

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
 Data File : BF115044.D  
 Acq On : 14 Jun 2019 17:19  
 Operator : HP/JU  
 Sample : K3369-16  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z-3-SOIL-4

Quant Time: Jun 15 05:22:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 15:42:37 2019  
 Response via : Initial Calibration

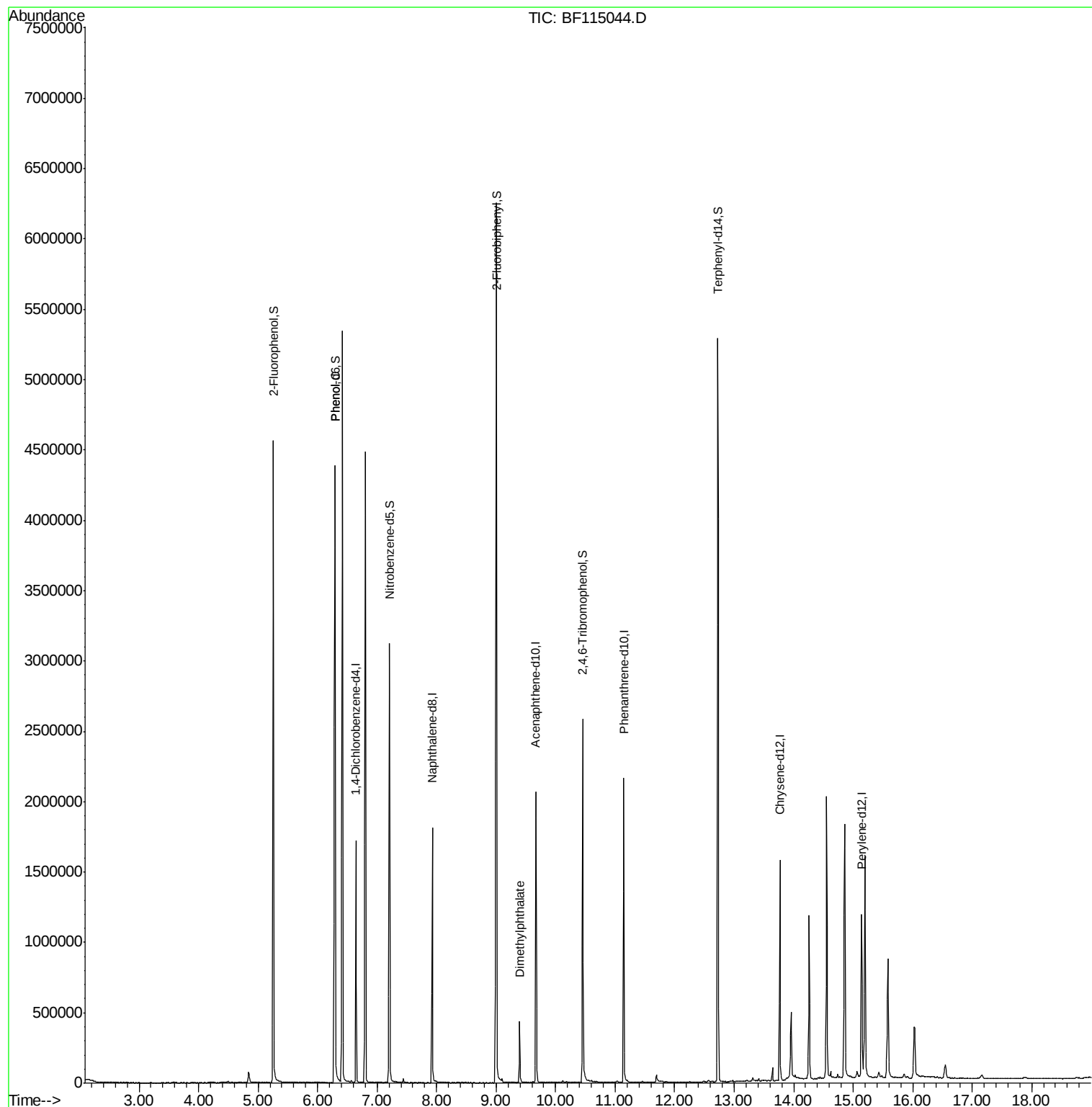
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 250244   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.93  | 136  | 941140   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.67  | 164  | 435673   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.15 | 188  | 769478   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.77 | 240  | 541599   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.14 | 264  | 521502   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 1488054  | 99.29  | ng    | 0.00     |
| 7) Phenol-d6                | 6.29  | 99   | 1832360  | 101.36 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.21  | 82   | 1120917  | 71.69  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.46 | 330  | 369573   | 79.21  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.00  | 172  | 2084509  | 81.09  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.73 | 244  | 1866756  | 64.83  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.30  | 94   | 46654    | 2.307  | ng    | 88       |
| 50) Dimethylphthalate       | 9.40  | 163  | 212568   | 6.488  | ng    | 98       |

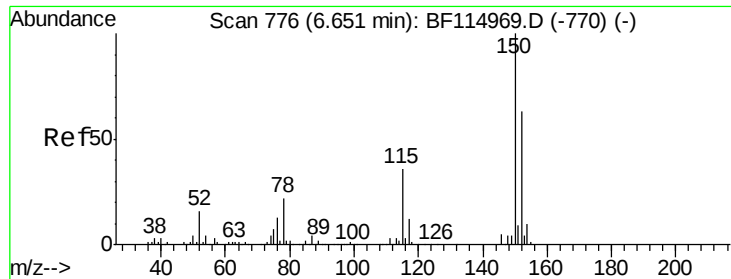
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
Z-3-SOIL-4

Quant Time: Jun 15 05:22:36 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 12 15:42:37 2019  
Response via : Initial Calibration



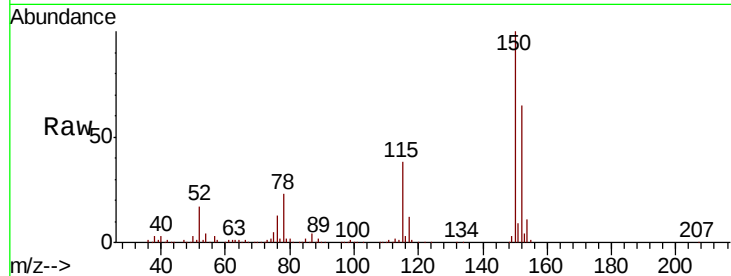


#1

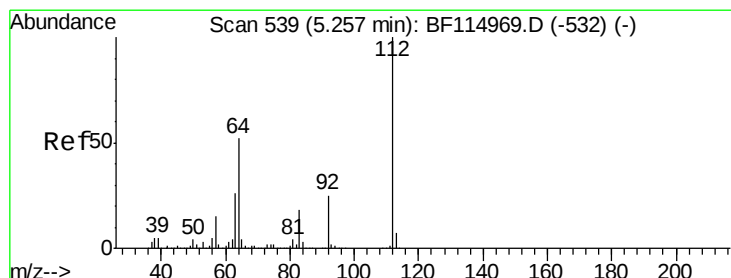
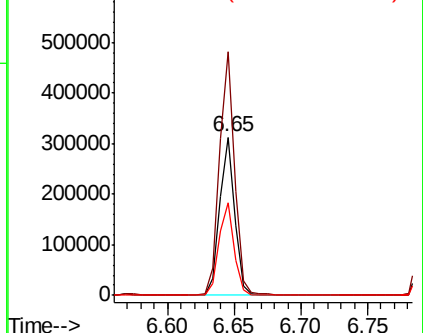
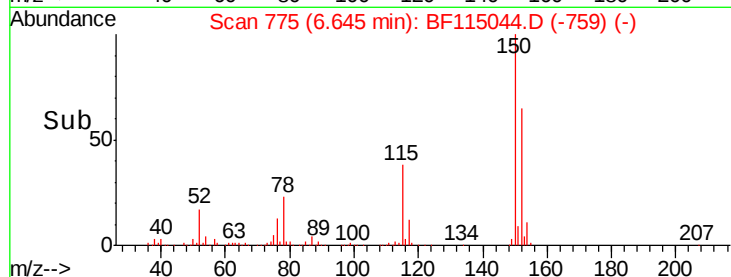
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.65 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BF115044.D  
Acq: 14 Jun 2019 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
Z-3-SOIL-4

Tot Ion:152 Resp: 250244  
Ion Ratio Lower Upper  
152 100  
150 153.9 127.4 191.0  
115 58.2 46.0 69.0



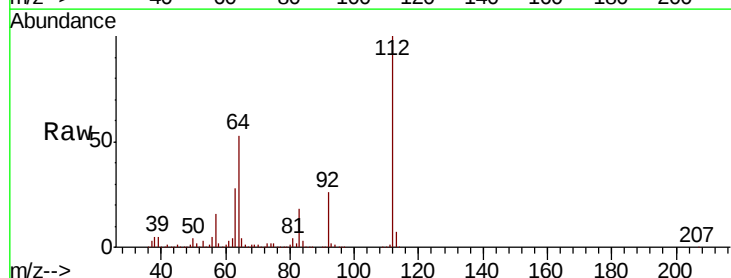
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



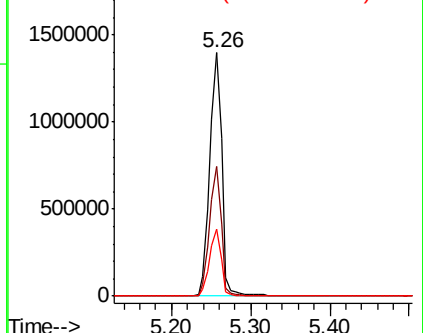
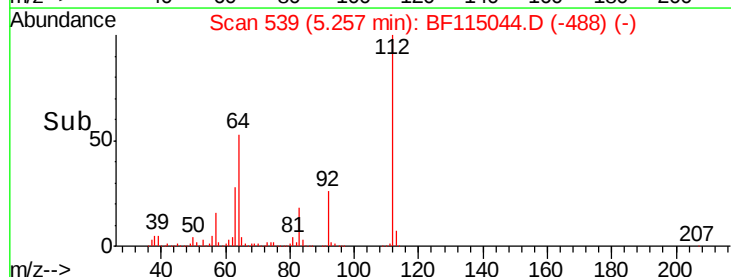
#5

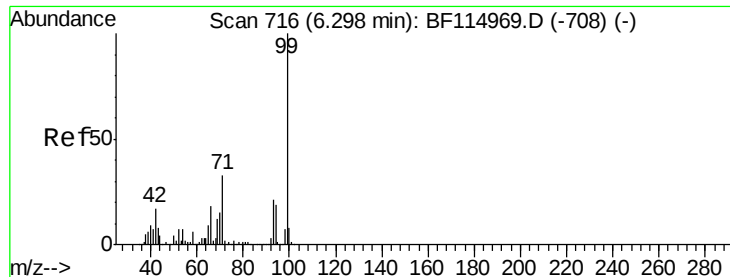
2-Fluorophenol  
Concen: 99.292 ng  
RT: 5.26 min Scan# 539  
Delta R.T. -0.00 min  
Lab File: BF115044.D  
Acq: 14 Jun 2019 17:19

Tgt Ion:112 Resp: 1488054  
Ion Ratio Lower Upper  
112 100  
64 53.2 41.6 62.4  
63 27.8 20.9 31.3



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: 101.358 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

Instrument :

BNA\_F

ClientSampleId :

Z-3-SOIL-4

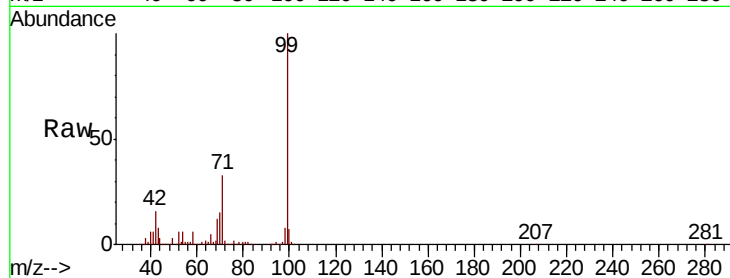
Tot Ion: 99 Resp: 1832360

Ion Ratio Lower Upper

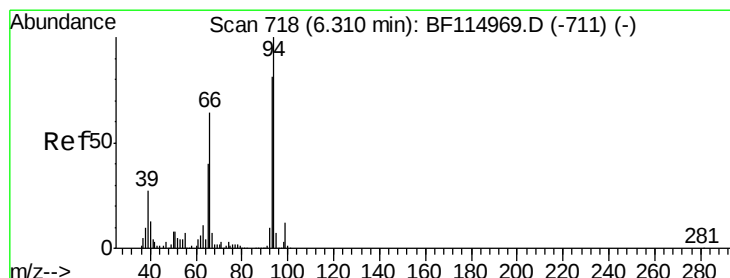
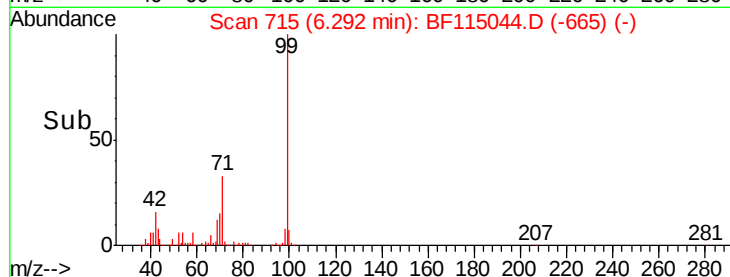
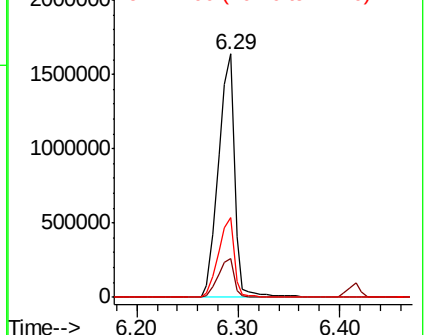
99 100

42 15.8 13.4 20.2

71 32.9 26.4 39.6



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



#10

Phenol

Concen: 2.307 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

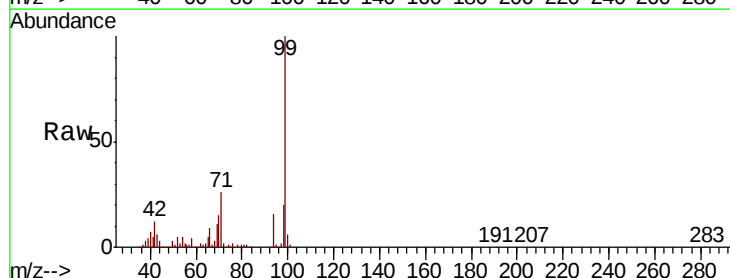
Tgt Ion: 94 Resp: 46654

Ion Ratio Lower Upper

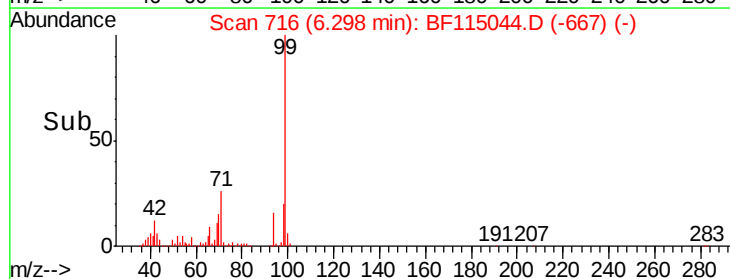
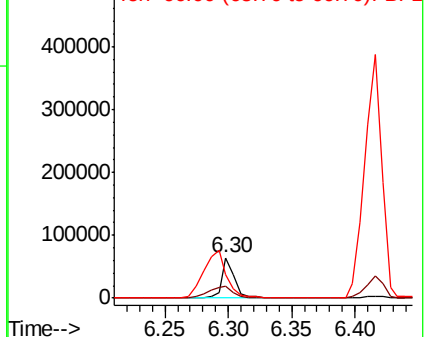
94 100

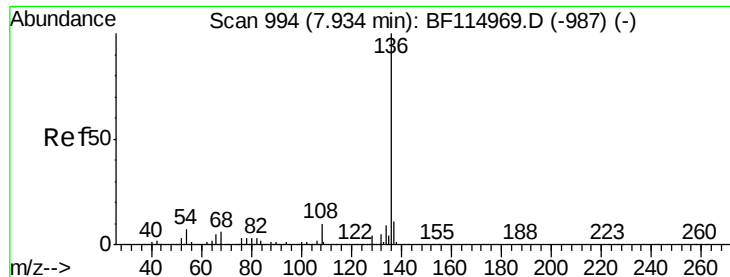
65 29.9 20.0 60.0

66 57.1 44.1 84.1



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

Instrument :

BNA\_F

ClientSampled :

Z-3-SOIL-4

Tot Ion:136 Resp: 941140

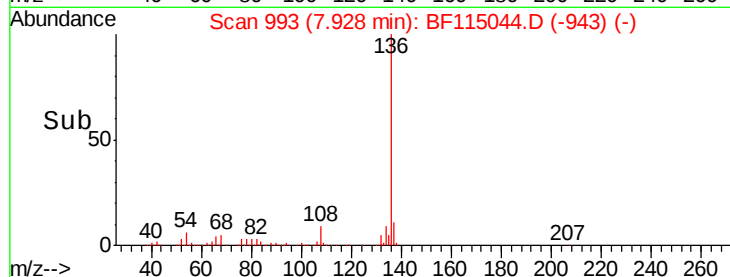
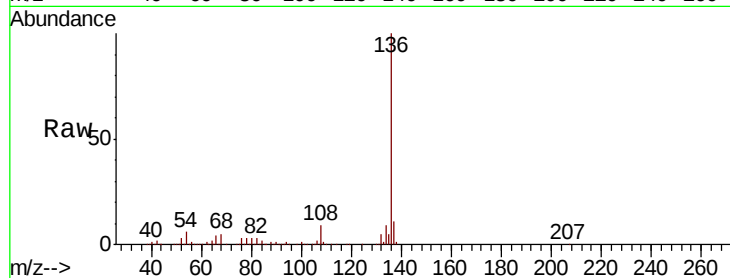
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 5.9 5.4 8.0

68 5.3 4.6 7.0

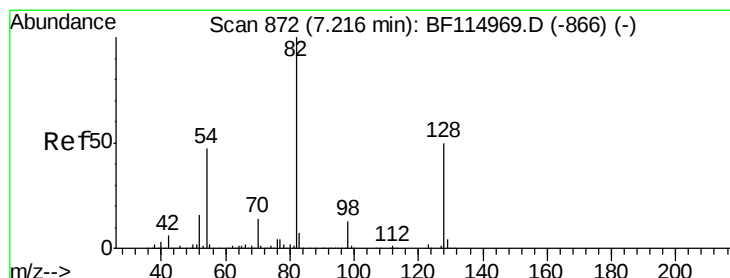
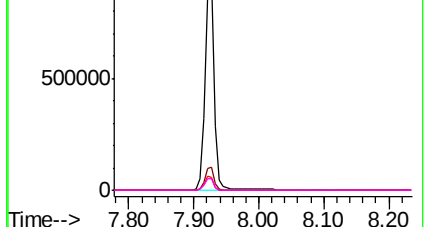


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.690 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

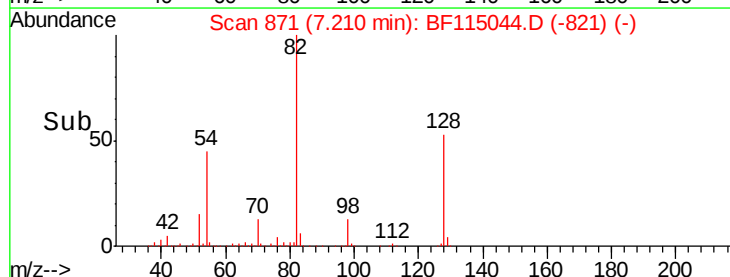
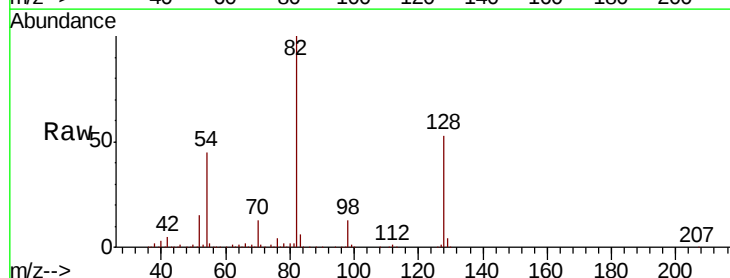
Tgt Ion: 82 Resp: 1120917

Ion Ratio Lower Upper

82 100

128 52.9 39.9 59.9

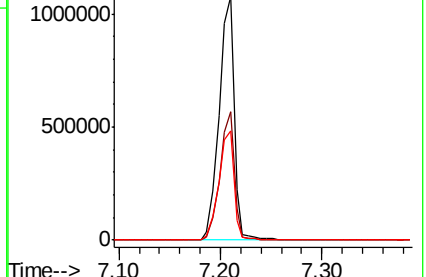
54 44.8 37.3 55.9

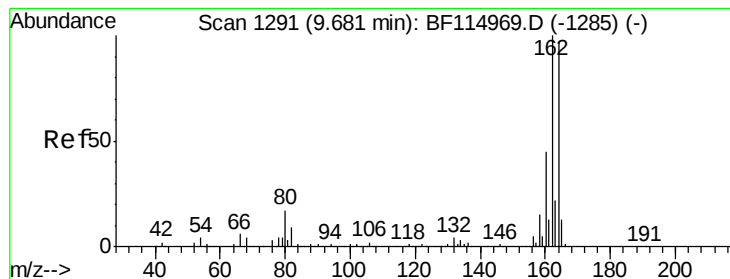


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

Instrument :

BNA\_F

ClientSampleId :

Z-3-SOIL-4

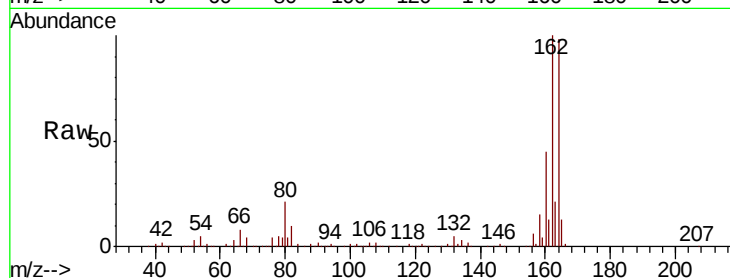
Tot Ion:164 Resp: 435673

Ion Ratio Lower Upper

164 100

162 101.6 82.6 124.0

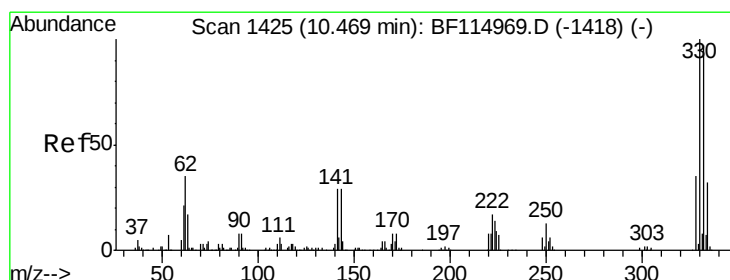
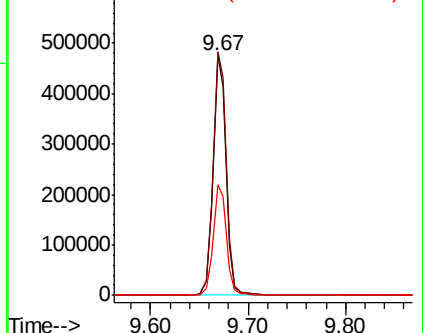
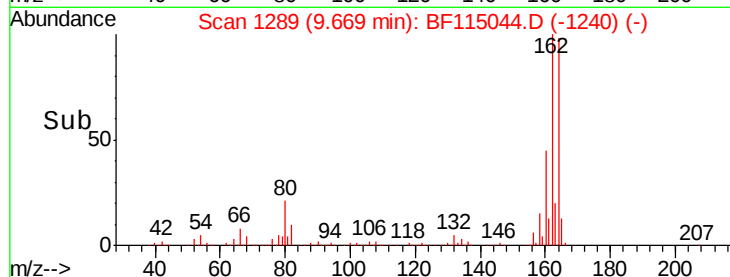
160 45.9 36.9 55.3



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: 79.215 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

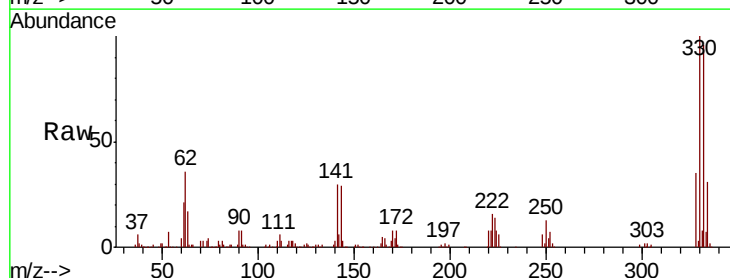
Tgt Ion:330 Resp: 369573

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

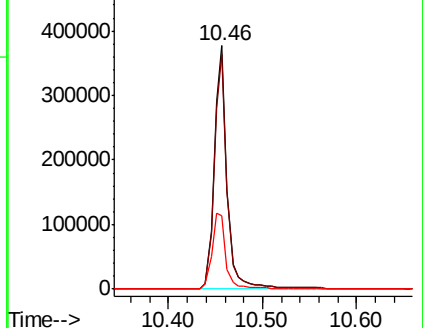
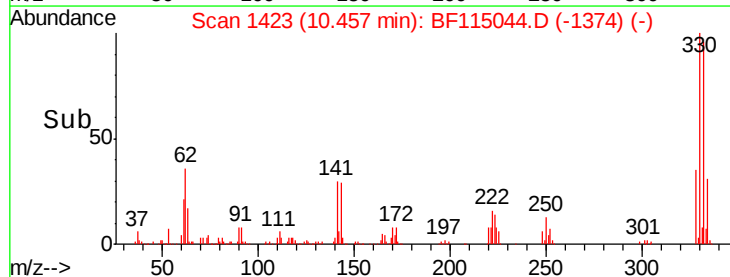
141 34.5 27.2 40.8

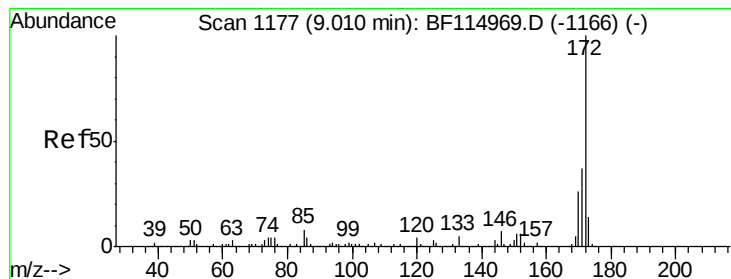


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 81.091 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

Instrument :

BNA\_F

ClientSampleId :

Z-3-SOIL-4

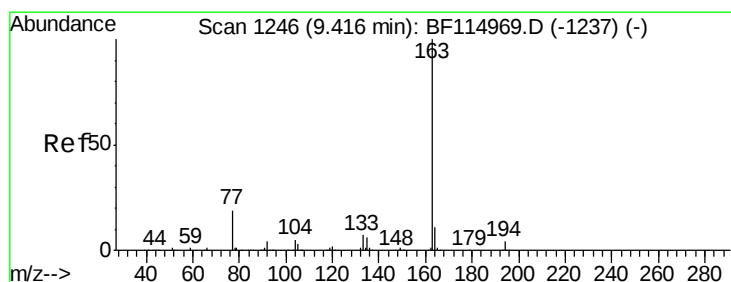
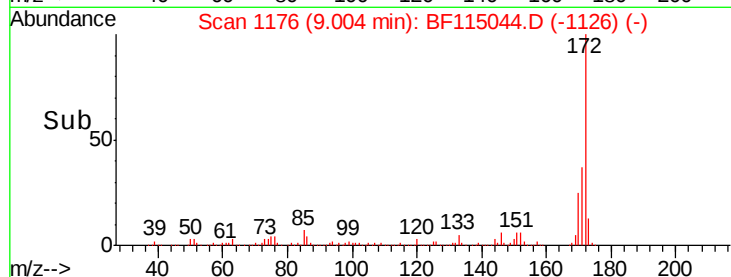
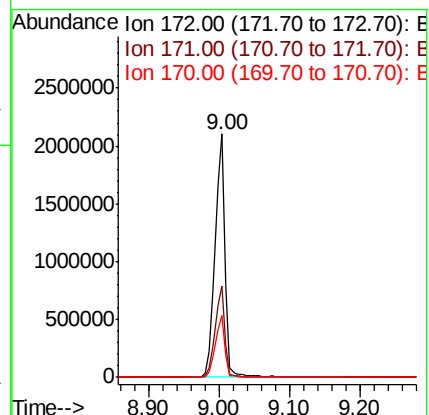
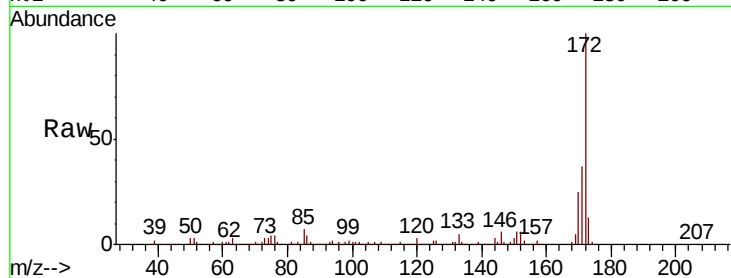
Tot Ion:172 Resp: 2084509

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.3  | 29.8  | 44.6  |
| 170 | 25.4  | 20.6  | 31.0  |

172 100

171 37.3 29.8 44.6

170 25.4 20.6 31.0



#50

Dimethylphthalate

Concen: 6.488 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BF115044.D

Acq: 14 Jun 2019 17:19

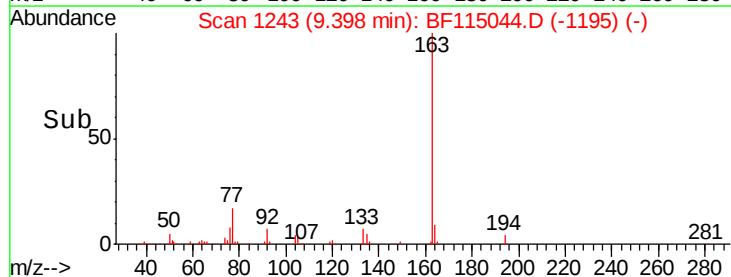
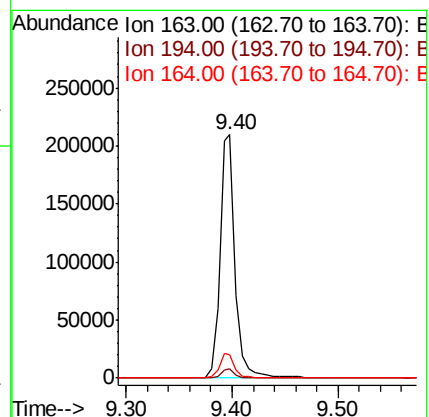
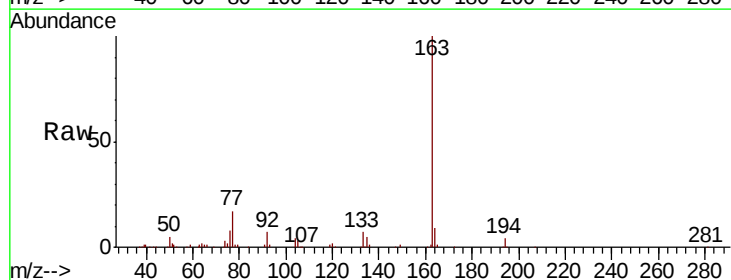
Tgt Ion:163 Resp: 212568

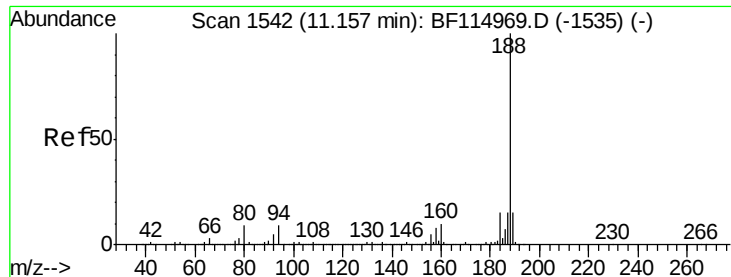
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 3.3   | 4.9   |
| 164 | 9.5   | 8.6   | 12.8  |

163 100

194 4.0 3.3 4.9

164 9.5 8.6 12.8

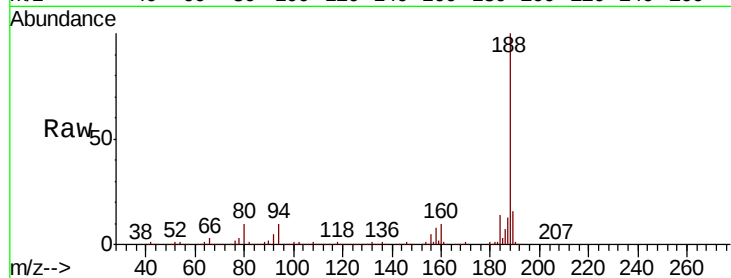




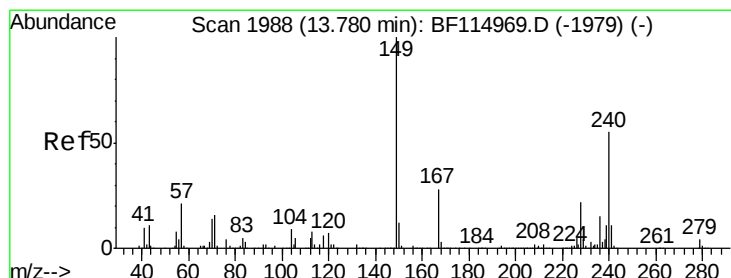
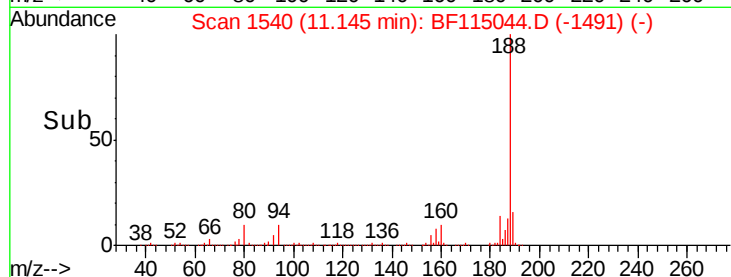
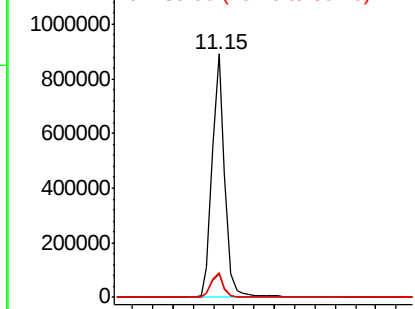
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.15 min Scan# 1540  
Delta R.T. -0.01 min  
Lab File: BF115044.D  
Acq: 14 Jun 2019 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
Z-3-SOIL-4

Tot Ion:188 Resp: 769478  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.2 10.8  
80 9.9 7.4 11.2

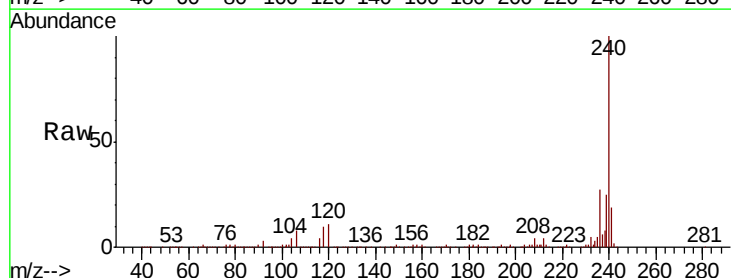


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

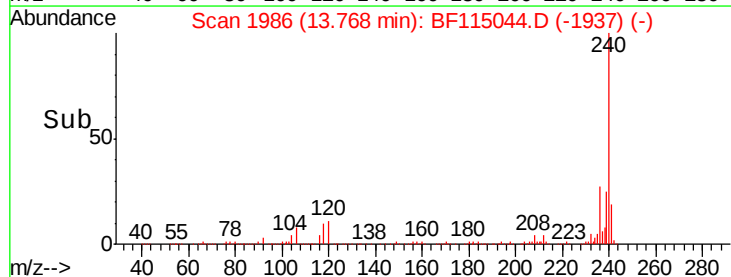
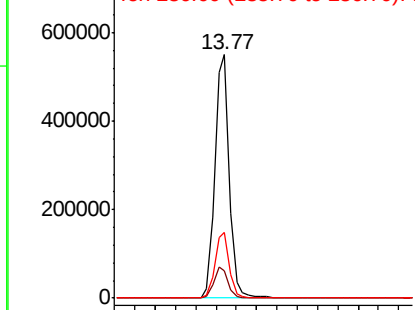


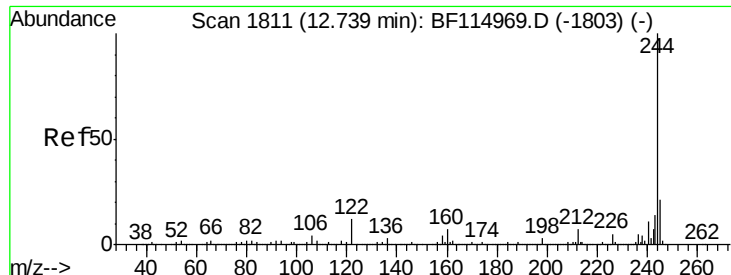
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.77 min Scan# 1986  
Delta R.T. -0.01 min  
Lab File: BF115044.D  
Acq: 14 Jun 2019 17:19

Tgt Ion:240 Resp: 541599  
Ion Ratio Lower Upper  
240 100  
120 11.0 10.0 15.0  
236 27.0 21.6 32.4



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

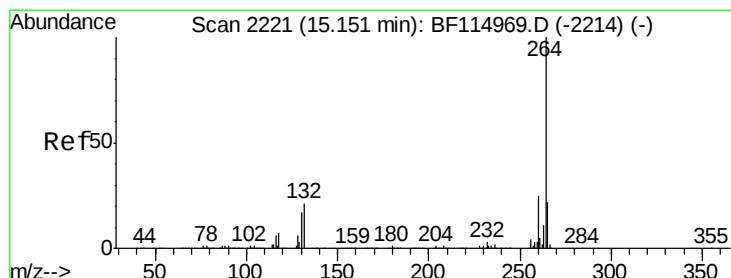
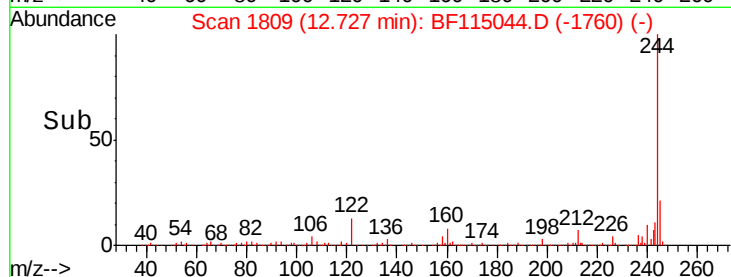
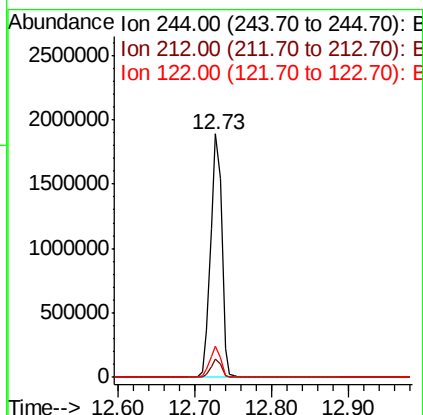
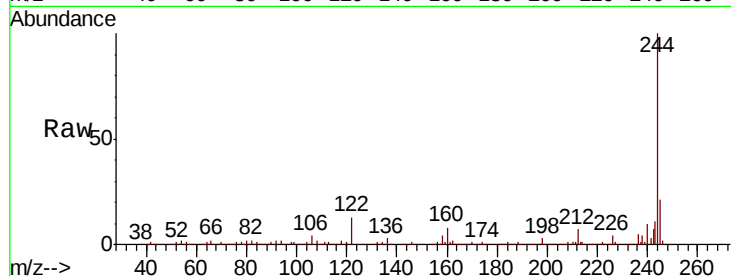




#79  
 Terphenyl-d14  
 Concen: 64.829 ng  
 RT: 12.73 min Scan# 1809  
 Delta R.T. -0.01 min  
 Lab File: BF115044.D  
 Acq: 14 Jun 2019 17:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z-3-SOIL-4

Tot Ion:244 Resp: 1866756  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 12.9 9.4 14.0



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.14 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BF115044.D  
 Acq: 14 Jun 2019 17:19

Tgt Ion:264 Resp: 521502  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.9 29.9  
 265 21.4 17.6 26.4

