

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\  
 Data File : BF115011.D  
 Acq On : 13 Jun 2019 19:37  
 Operator : HP/JU  
 Sample : K3345-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-9\_061119

Quant Time: Jun 14 04:14:34 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  | 256663   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.93  | 136  | 970972   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.67  | 164  | 459608   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.15 | 188  | 836670   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.77 | 240  | 584468   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.14 | 264  | 584591   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 924170   | 60.12  | ng    | 0.00     |
| 7) Phenol-d6                | 6.28  | 99   | 738414   | 39.82  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.21  | 82   | 1417929  | 87.90  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.46 | 330  | 554642   | 112.69 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.00  | 172  | 2559195  | 94.37  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.73 | 244  | 2463293  | 79.27  | ng    | 0.00     |

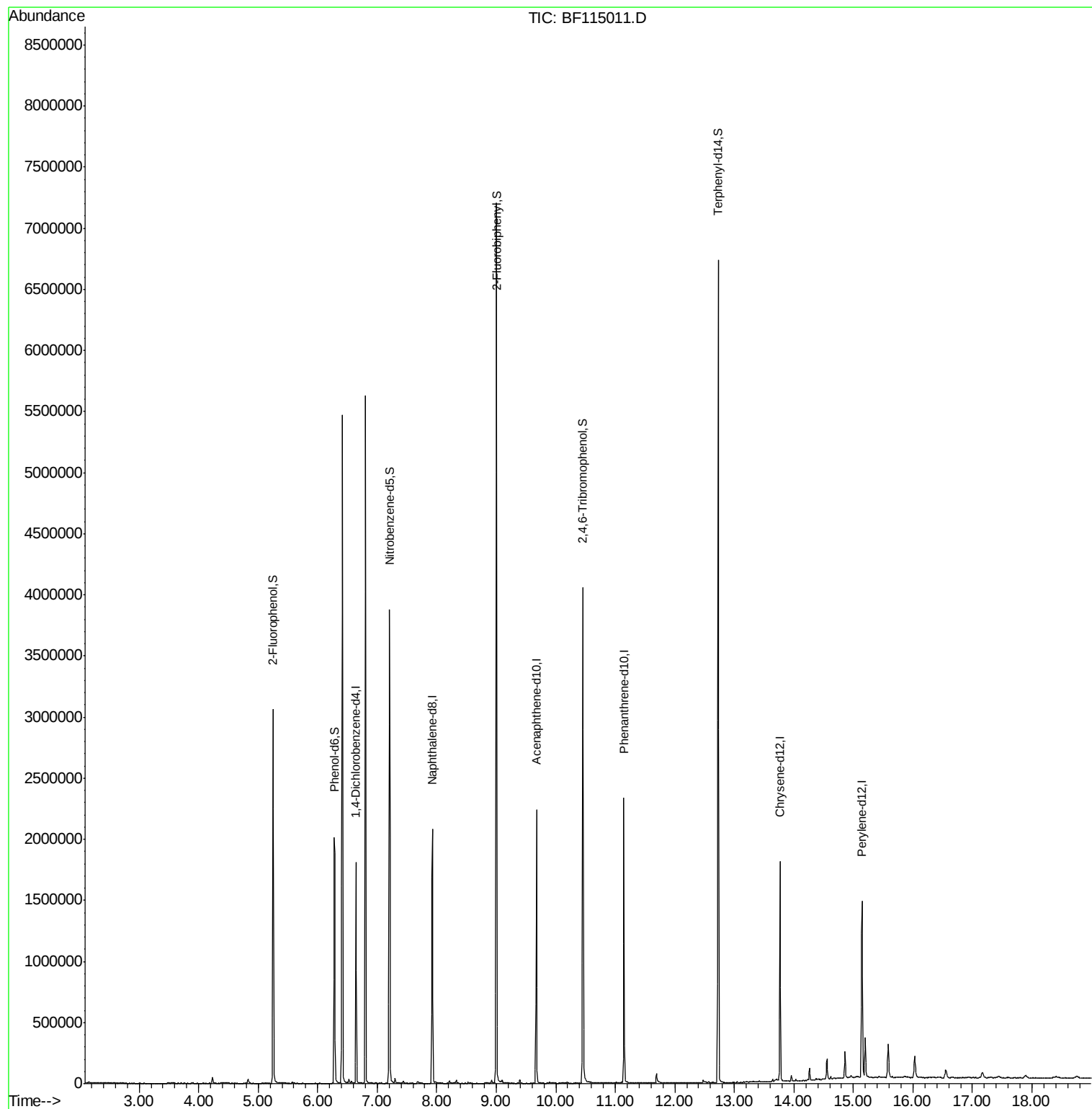
Target Compounds Qvalue

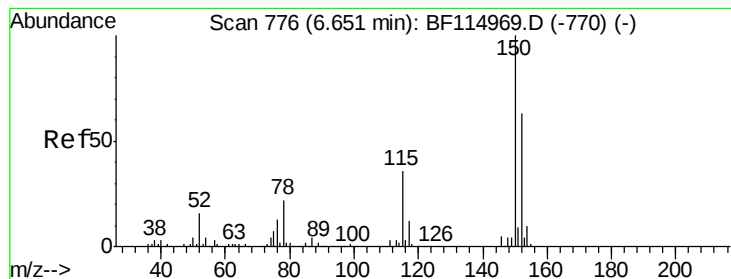
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\  
Data File : BF115011.D  
Acq On : 13 Jun 2019 19:37  
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Sample : K3345-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
C-MW-9\_061119

Quant Time: Jun 14 04:14:34 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



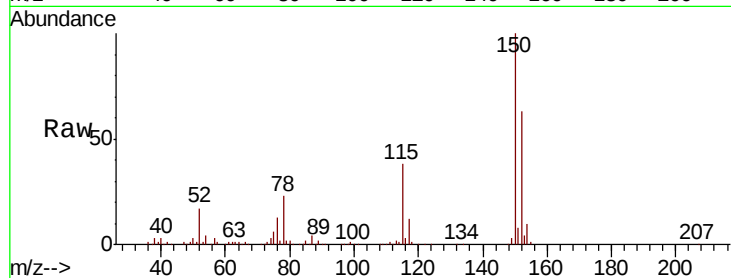


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.65 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BF115011.D  
Acq: 13 Jun 2019 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
C-MW-9\_061119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 127.4 | 191.0 |
| 115     | 60.1  | 46.0  | 69.0  |

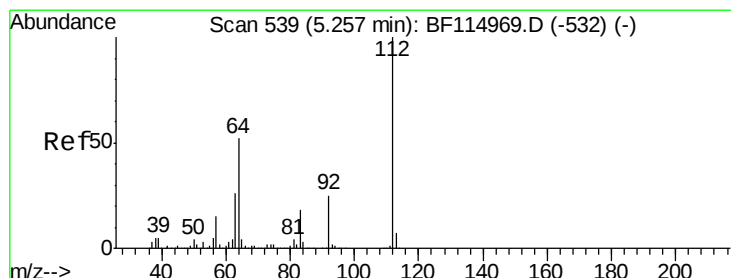
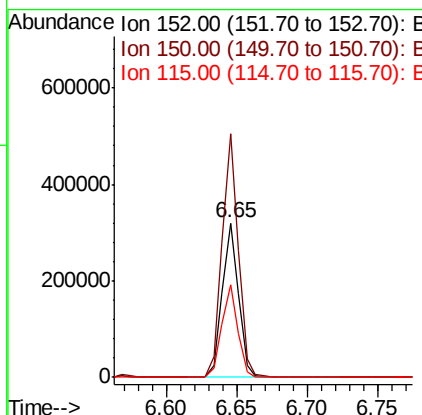
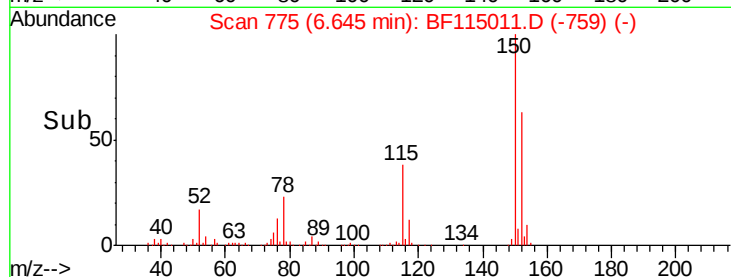


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

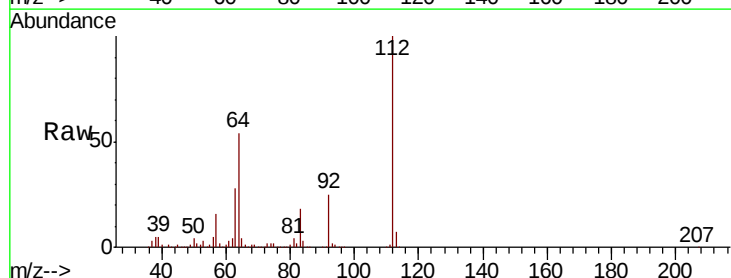
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 60.124 ng  
RT: 5.25 min Scan# 538  
Delta R.T. -0.01 min  
Lab File: BF115011.D  
Acq: 13 Jun 2019 19:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.9  | 41.6  | 62.4  |
| 63      | 27.5  | 20.9  | 31.3  |

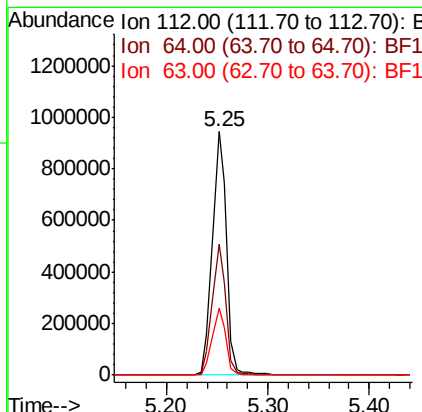
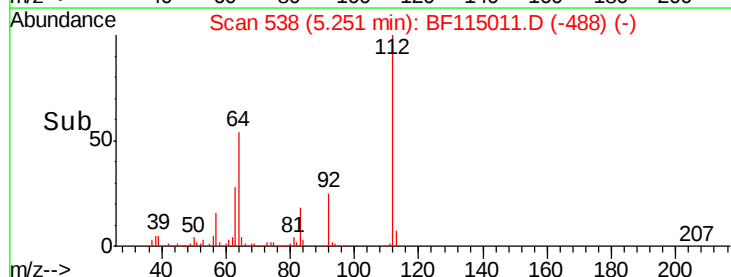


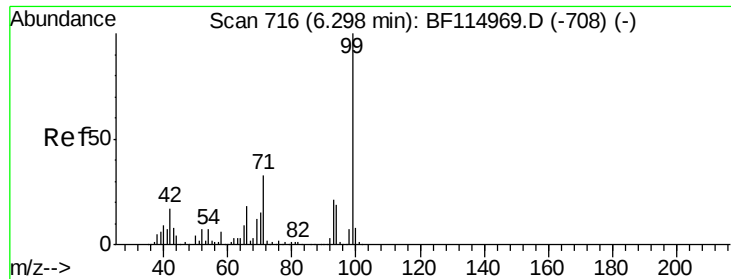
Abundance

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: 39.824 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BF115011.D

Acq: 13 Jun 2019 19:37

Instrument :

BNA\_F

ClientSampleId :

C-MW-9\_061119

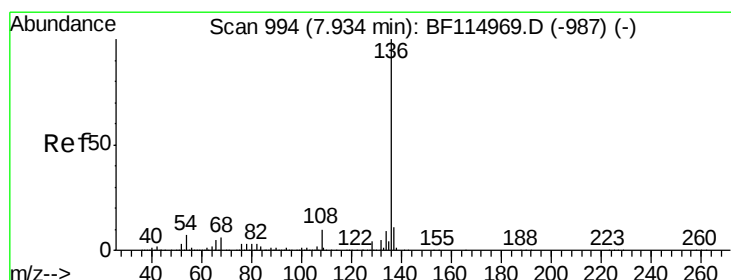
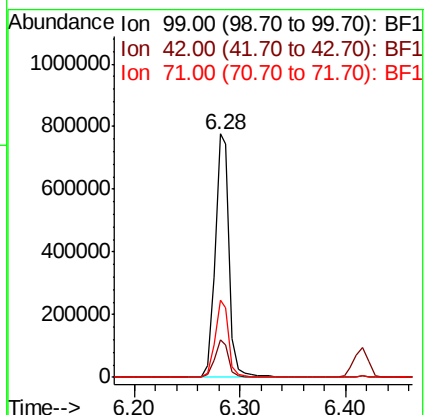
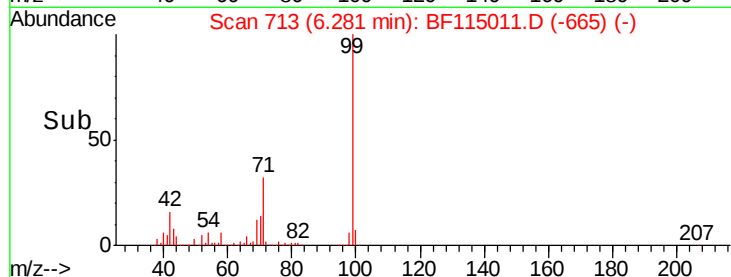
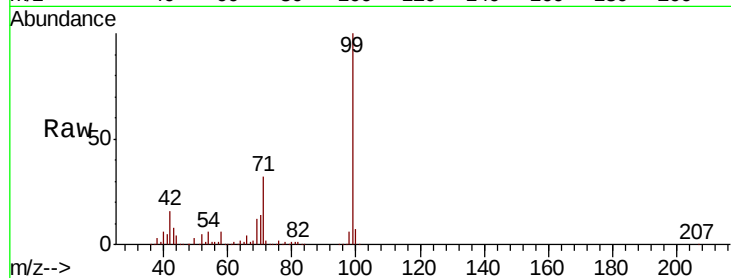
Tot Ion: 99 Resp: 738414

Ion Ratio Lower Upper

99 100

42 15.7 13.4 20.2

71 31.9 26.4 39.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115011.D

Acq: 13 Jun 2019 19:37

Tgt Ion: 136 Resp: 970972

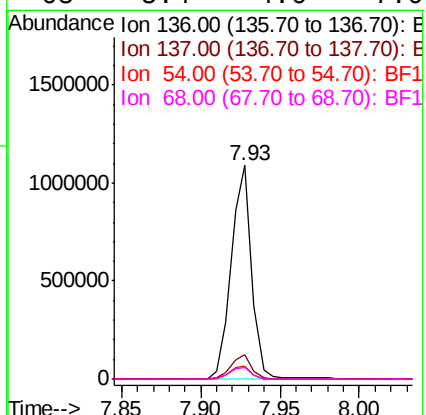
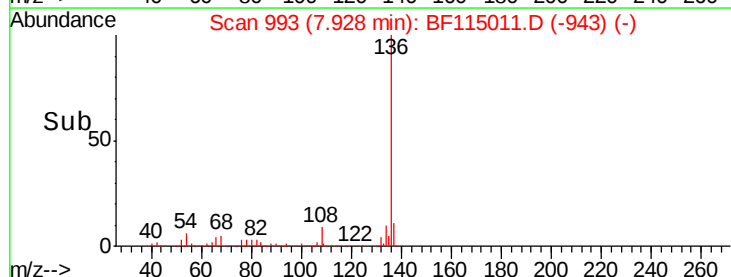
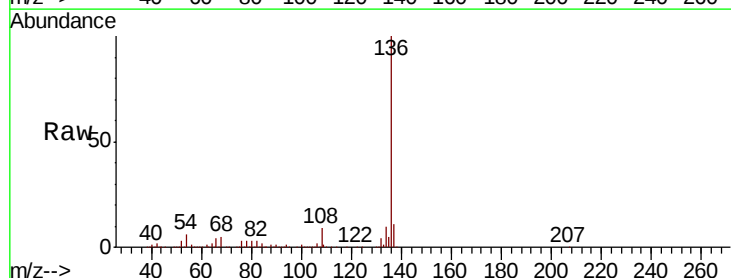
Ion Ratio Lower Upper

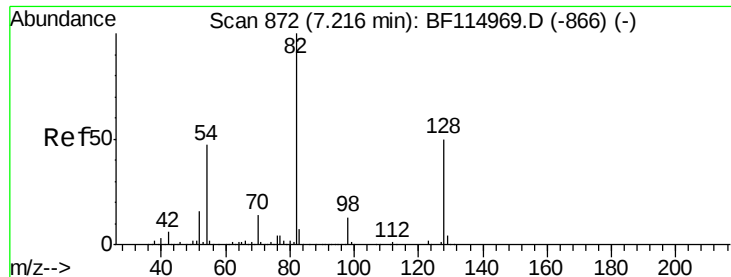
136 100

137 11.2 9.0 13.4

54 6.1 5.4 8.0

68 5.4 4.6 7.0

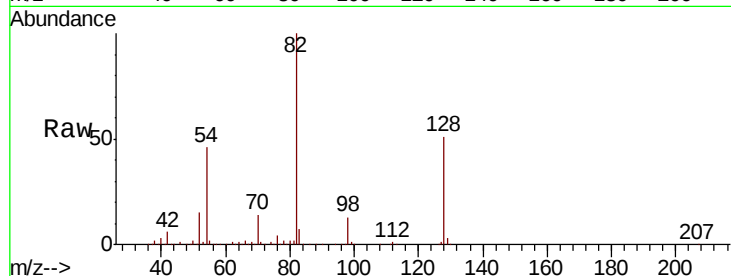




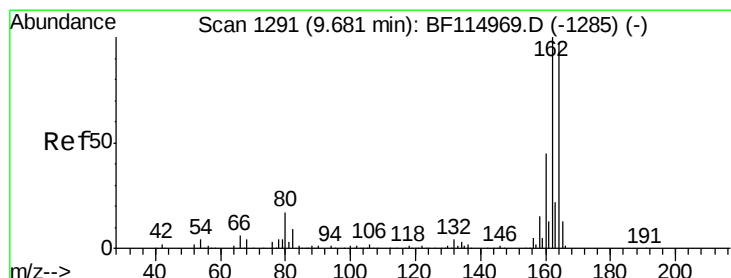
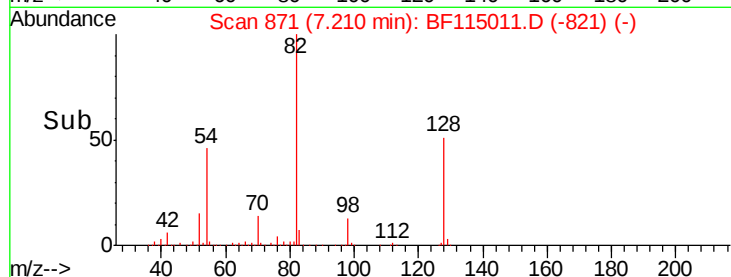
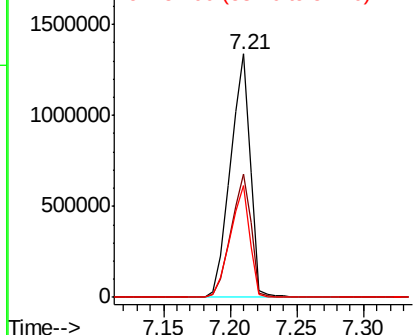
#23  
Nitrobenzene-d5  
Concen: 87.900 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BF115011.D  
Acq: 13 Jun 2019 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
C-MW-9\_061119

Tot Ion: 82 Resp: 1417929  
Ion Ratio Lower Upper  
82 100  
128 50.6 39.9 59.9  
54 45.7 37.3 55.9

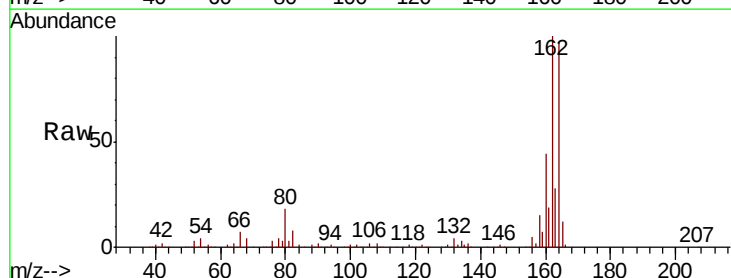


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

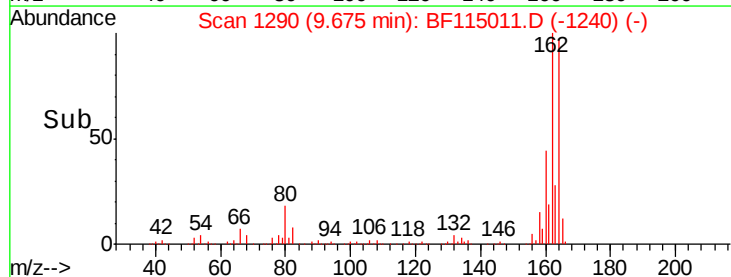
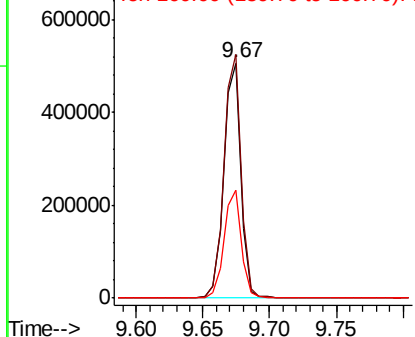


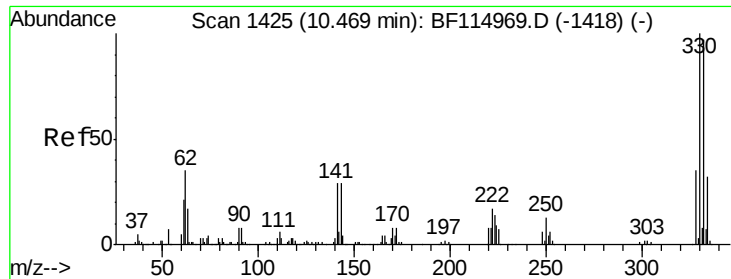
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.01 min  
Lab File: BF115011.D  
Acq: 13 Jun 2019 19:37

Tgt Ion: 164 Resp: 459608  
Ion Ratio Lower Upper  
164 100  
162 103.5 82.6 124.0  
160 46.0 36.9 55.3



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

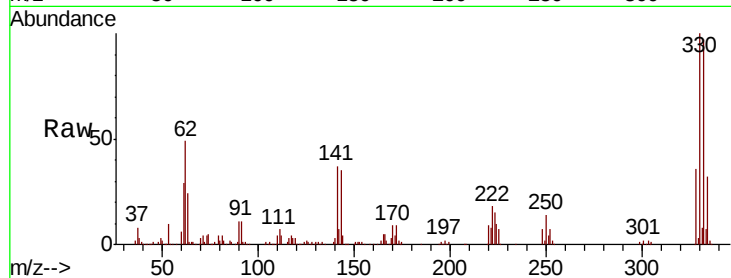




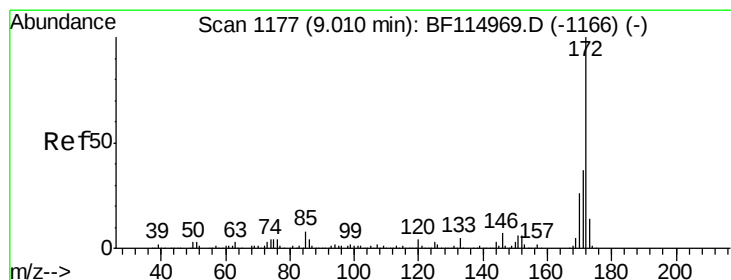
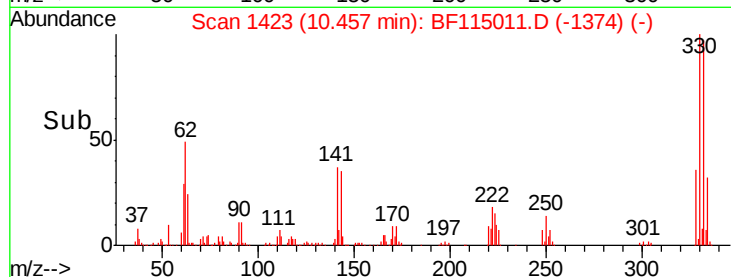
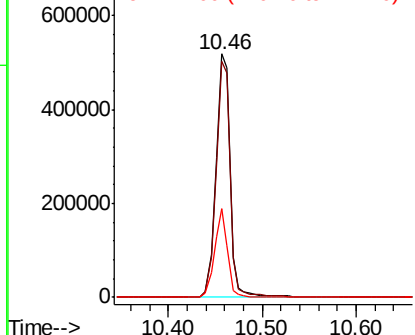
#42  
 2,4,6-Tribromophenol  
 Concen: 112.692 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.01 min  
 Lab File: BF115011.D  
 Acq: 13 Jun 2019 19:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-9\_061119

Tot Ion:330 Resp: 554642  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.6 116.4  
 141 33.6 27.2 40.8

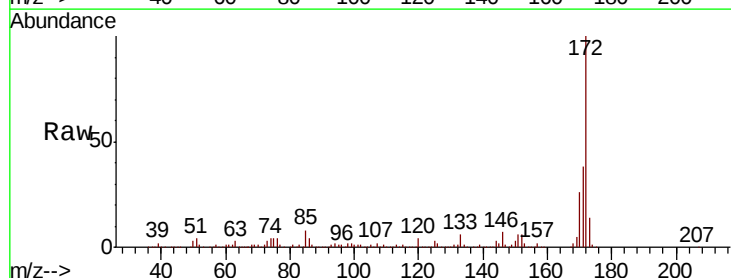


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

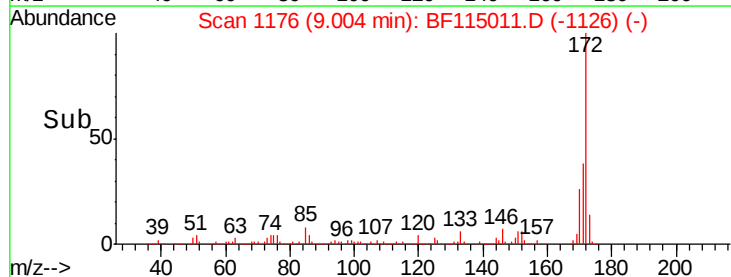
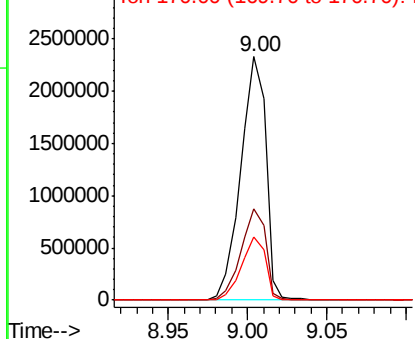


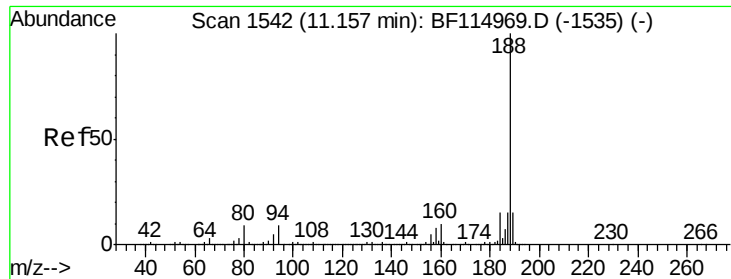
#45  
 2-Fluorobiphenyl  
 Concen: 94.372 ng  
 RT: 9.00 min Scan# 1176  
 Delta R.T. -0.01 min  
 Lab File: BF115011.D  
 Acq: 13 Jun 2019 19:37

Tgt Ion:172 Resp: 2559195  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 29.8 44.6  
 170 25.7 20.6 31.0



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: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF115011.D

Acq: 13 Jun 2019 19:37

Instrument :

BNA\_F

ClientSampleId :

C-MW-9\_061119

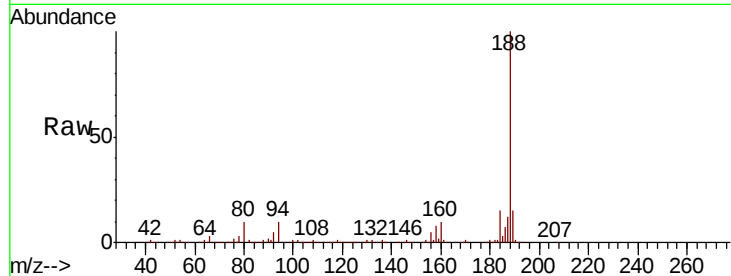
Tot Ion:188 Resp: 836670

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

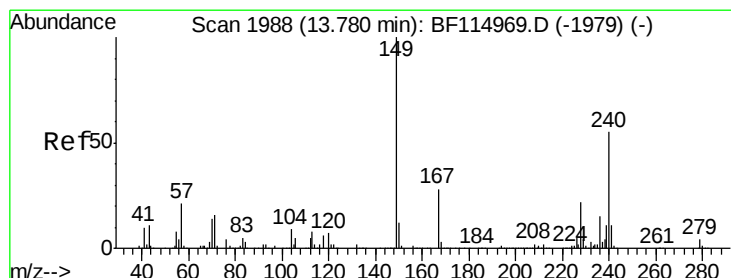
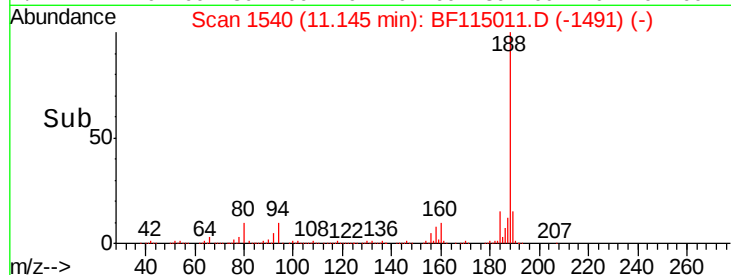
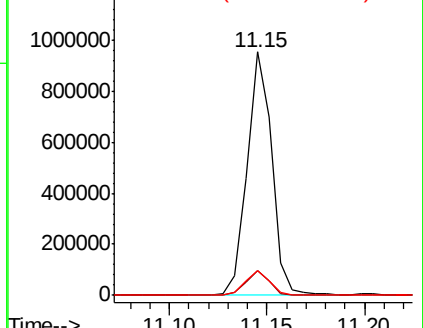
80 10.4 7.4 11.2



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: BF115011.D

Acq: 13 Jun 2019 19:37

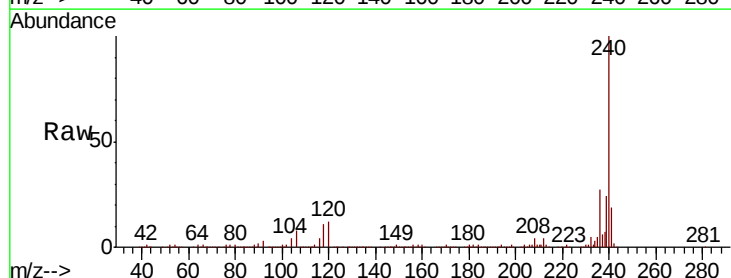
Tgt Ion:240 Resp: 584468

Ion Ratio Lower Upper

240 100

120 12.1 10.0 15.0

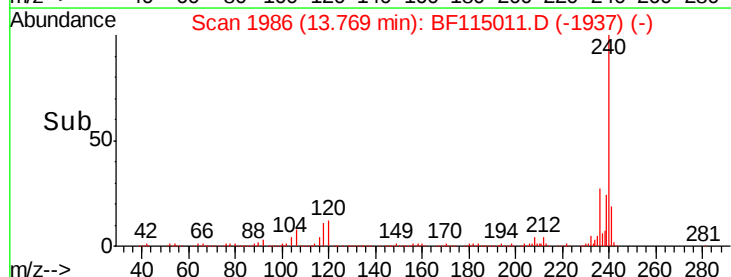
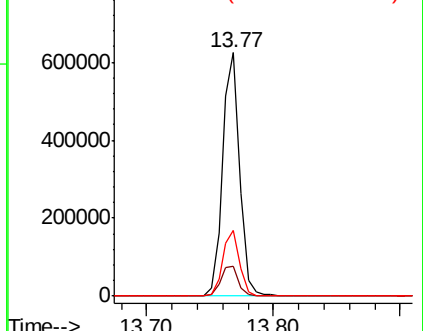
236 27.1 21.6 32.4

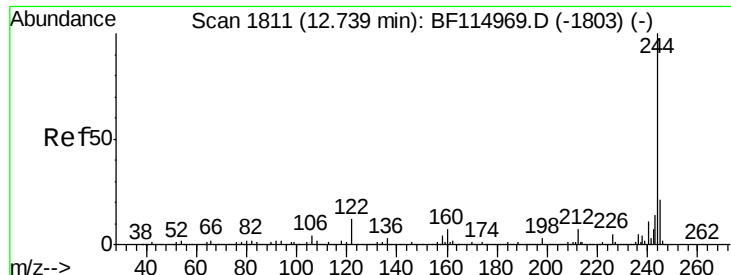


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

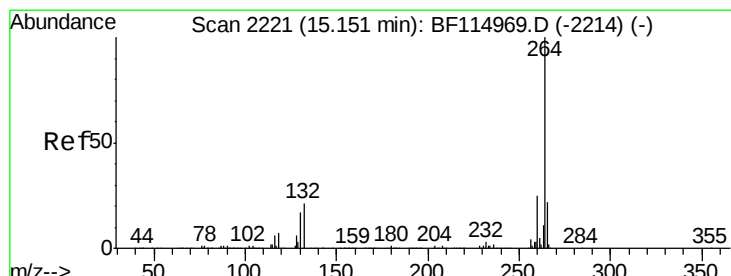
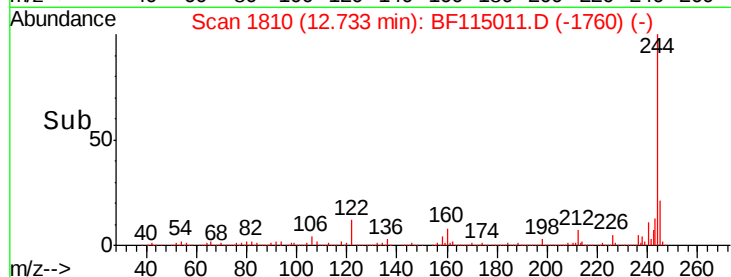
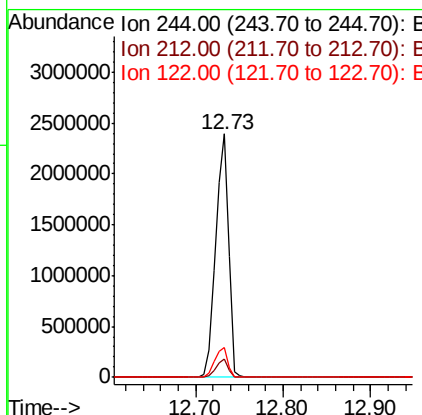
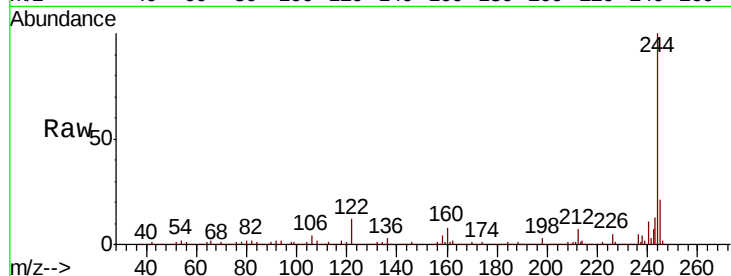




#79  
 Terphenyl-d14  
 Concen: 79.271 ng  
 RT: 12.73 min Scan# 1810  
 Delta R.T. -0.01 min  
 Lab File: BF115011.D  
 Acq: 13 Jun 2019 19:37

Instrument :  
 BNA\_F  
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 C-MW-9\_061119

Tot Ion:244 Resp: 2463293  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.8 8.8  
 122 12.1 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: BF115011.D  
 Acq: 13 Jun 2019 19:37

Tgt Ion:264 Resp: 584591  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.9 29.9  
 265 21.5 17.6 26.4

