

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\  
 Data File : BF118767.D  
 Acq On : 30 Jan 2020 22:31  
 Operator : CG/JU  
 Sample : L1283-01 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VB16209

Quant Time: Jan 30 23:04:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 27 14:24:10 2020  
 Response via : Initial Calibration

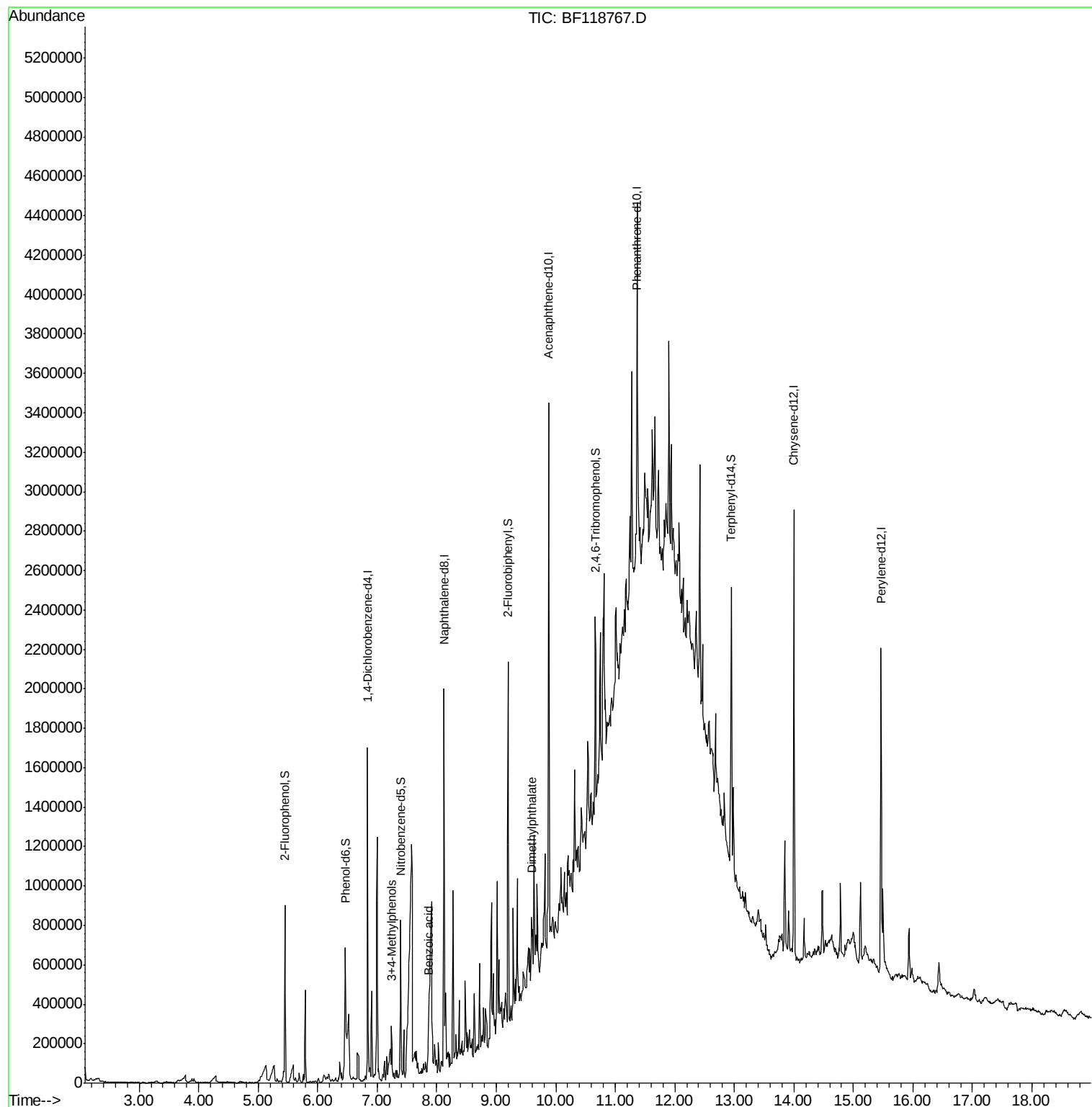
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 253238   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.13  | 136  | 899463   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.88  | 164  | 421404   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.37 | 188  | 700781   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.00 | 240  | 699060   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 15.46 | 264  | 839819   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 230379   | 16.90 | ng    | -0.03    |
| 7) Phenol-d6                | 6.46  | 99   | 179267   | 10.12 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 243179   | 15.12 | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 111427   | 22.86 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 515673   | 20.11 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.95 | 244  | 529521   | 16.52 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 20) 3+4-Methylphenols       | 7.24  | 107  | 33370    | 2.144 | ng    | # 71     |
| 32) Benzoic acid            | 7.86  | 122  | 20722    | 2.277 | ng    | # 75     |
| 50) Dimethylphthalate       | 9.59  | 163  | 81197    | 2.957 | ng    | # 95     |

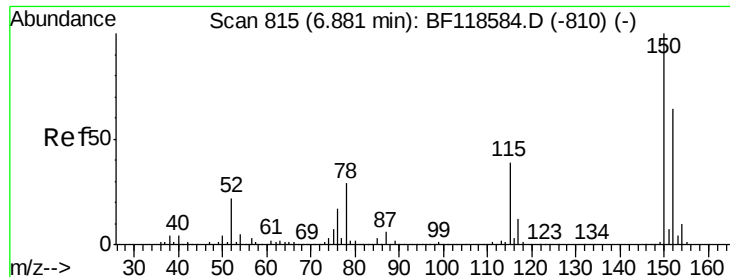
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\  
Data File : BF118767.D  
Acq On : 30 Jan 2020 22:31  
Operator : CG/JU  
Sample : L1283-01 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VB16209

Quant Time: Jan 30 23:04:37 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 27 14:24:10 2020  
Response via : Initial Calibration



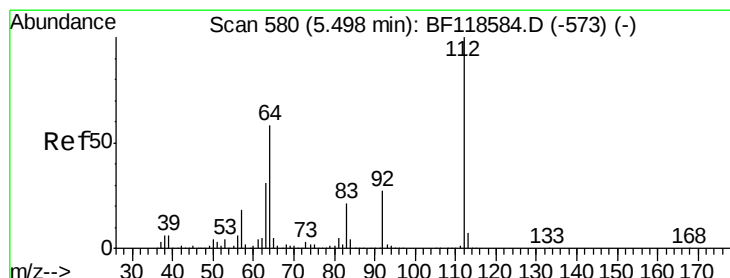
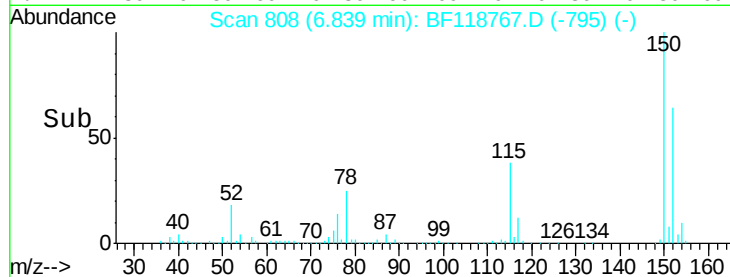
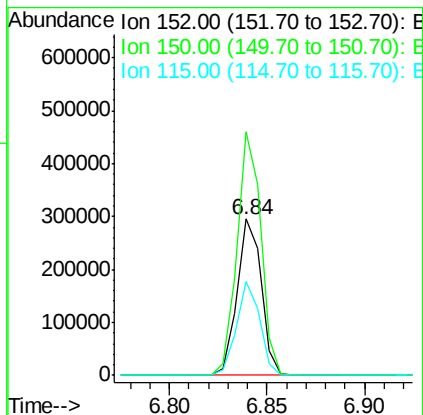
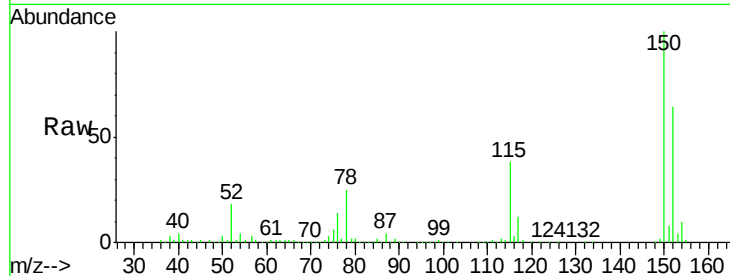


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.02 min  
Lab File: BF118767.D  
Acq: 30 Jan 2020 22:31

Instrument :  
BNA\_F  
ClientSampleId :  
VB16209

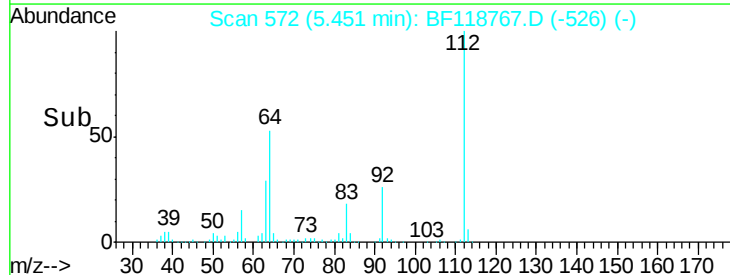
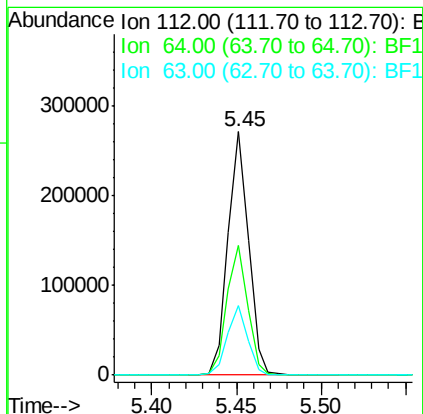
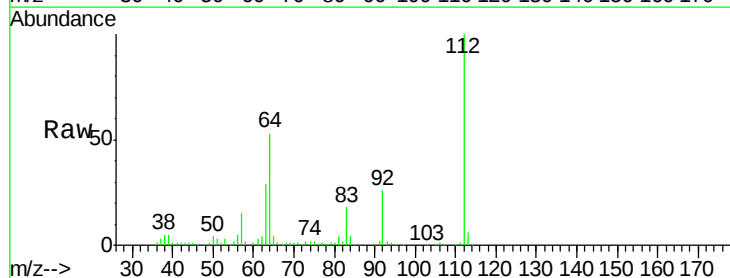
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 123.7 | 185.5 |
| 115     | 59.8  | 45.1  | 67.7  |

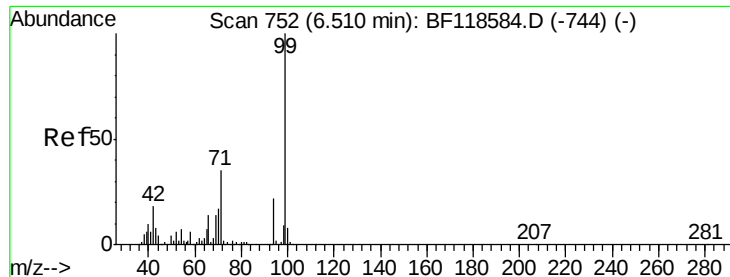


#5

2-Fluorophenol  
Concen: 16.896 ng  
RT: 5.45 min Scan# 572  
Delta R.T. -0.03 min  
Lab File: BF118767.D  
Acq: 30 Jan 2020 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.3  | 42.4  | 63.6  |
| 63      | 28.6  | 21.7  | 32.5  |





#7

Phenol-d6

Concen: 10.115 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF118767.D

Acq: 30 Jan 2020 22:31

Instrument :

BNA\_F

ClientSampleId :

VB16209

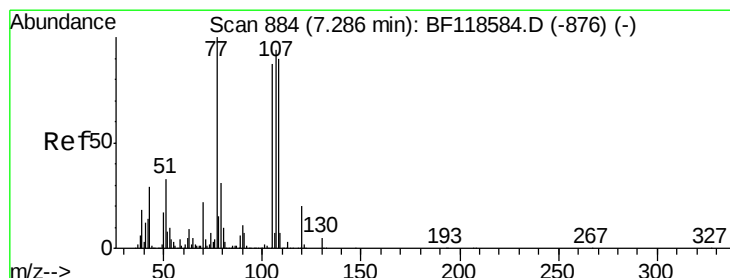
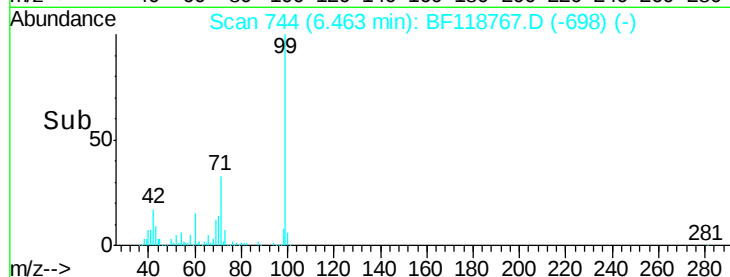
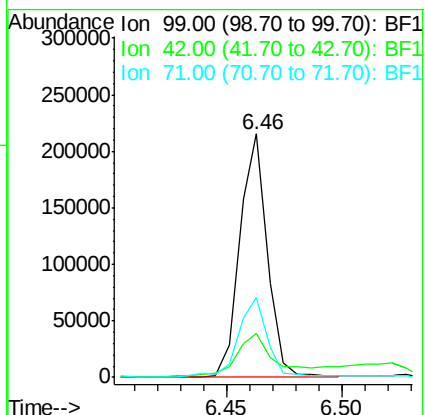
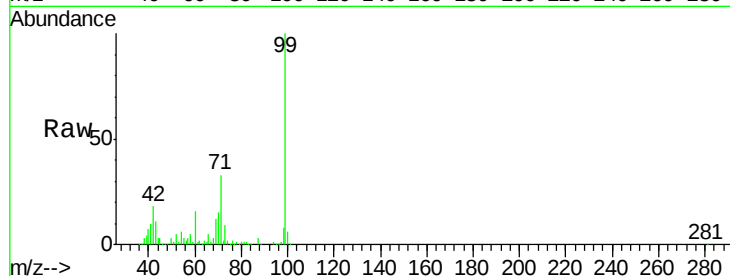
Tot Ion: 99 Resp: 179267

Ion Ratio Lower Upper

99 100

42 18.0 13.1 19.7

71 32.8 28.4 42.6



#20

3+4-Methylphenols

Concen: 2.144 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF118767.D

Acq: 30 Jan 2020 22:31

Tgt Ion: 107 Resp: 33370

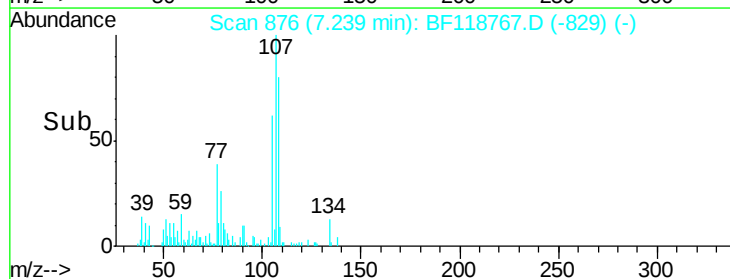
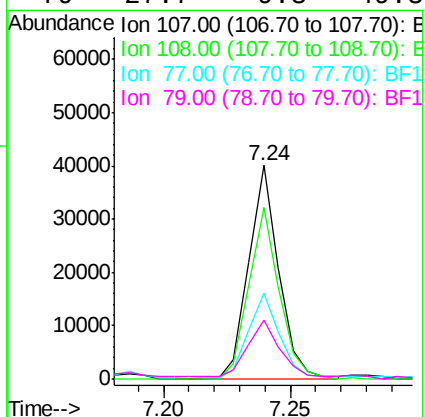
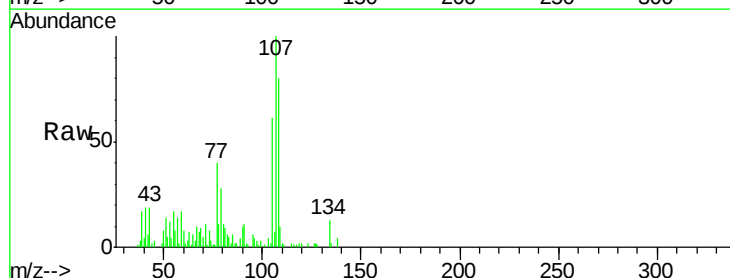
Ion Ratio Lower Upper

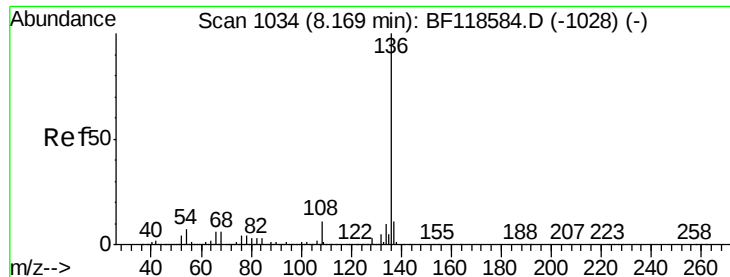
107 100

108 80.1 67.5 107.5

77 39.9 73.6 113.6#

79 27.7 9.3 49.3

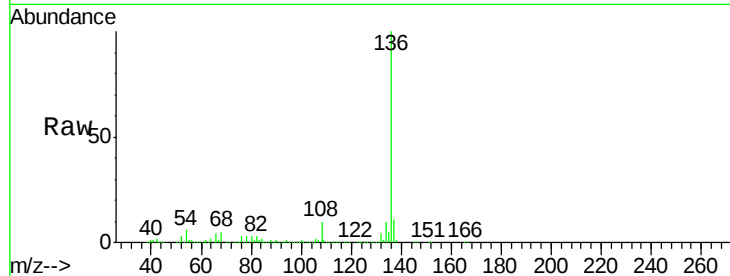




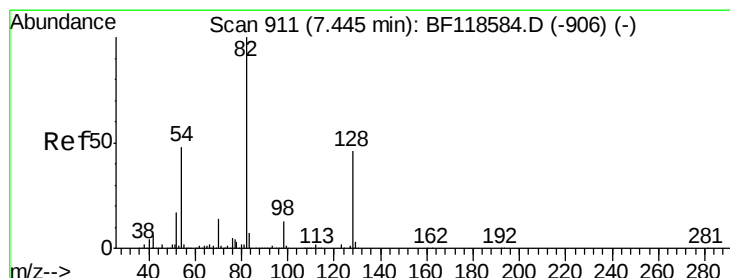
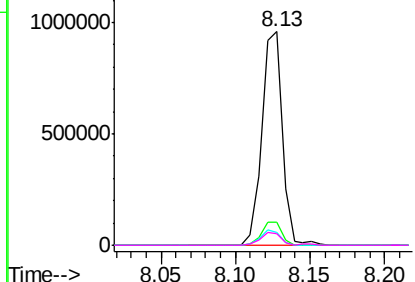
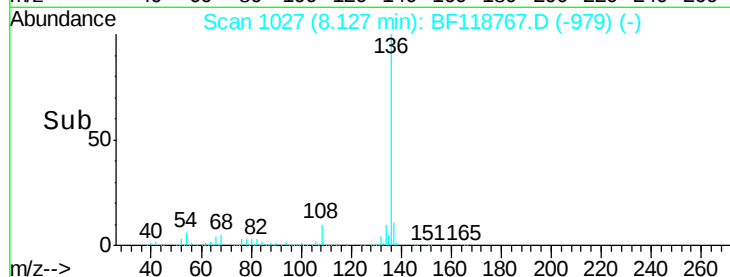
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.02 min  
Lab File: BF118767.D  
Acq: 30 Jan 2020 22:31

Instrument :  
BNA\_F  
ClientSampled :  
VB16209

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 899463 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.9 13.3     |
| 54 6.0      | 5.1 7.7      |
| 68 5.3      | 4.3 6.5      |

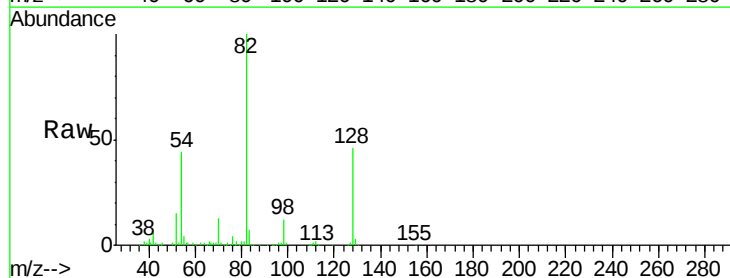


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

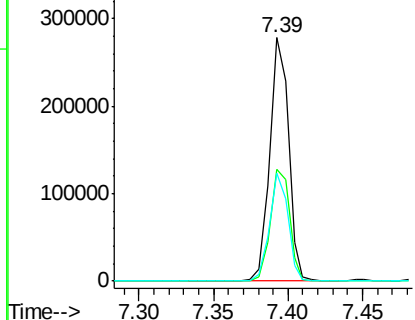
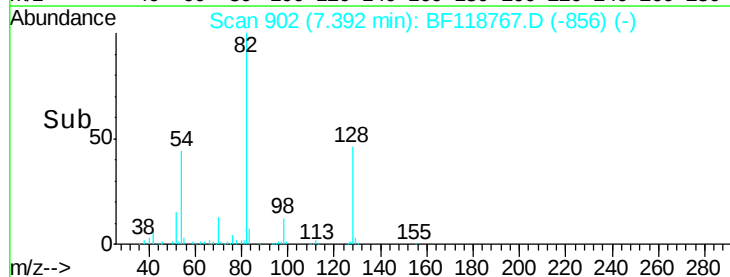


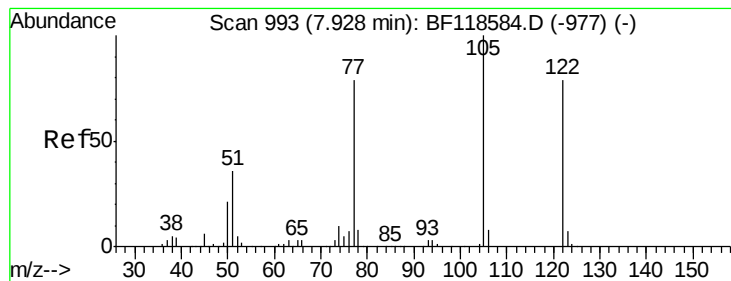
#23  
Nitrobenzene-d5  
Concen: 15.122 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.03 min  
Lab File: BF118767.D  
Acq: 30 Jan 2020 22:31

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 243179 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 45.7    | 38.2  | 57.2   |
| 54  | 44.4    | 36.1  | 54.1   |



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





#32

Benzoic acid

Concen: 2.277 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.06 min

Lab File: BF118767.D

Acq: 30 Jan 2020 22:31

Instrument :

BNA\_F

ClientSampleID :

VB16209

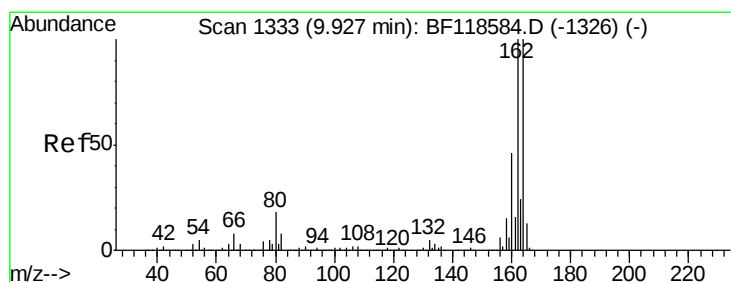
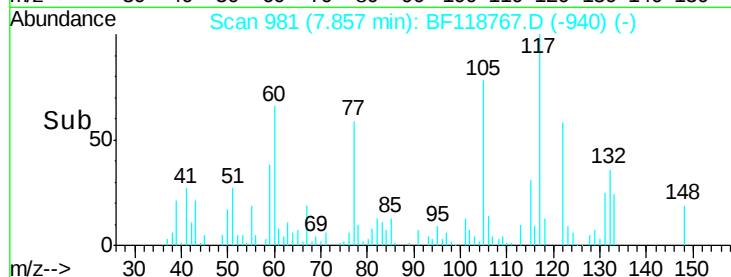
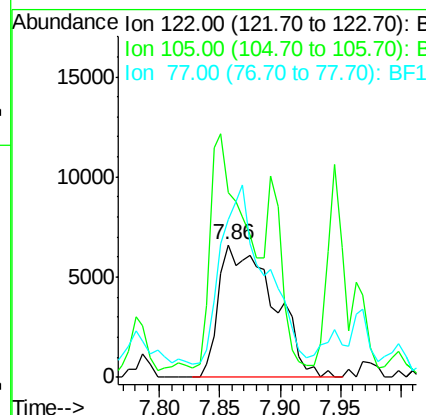
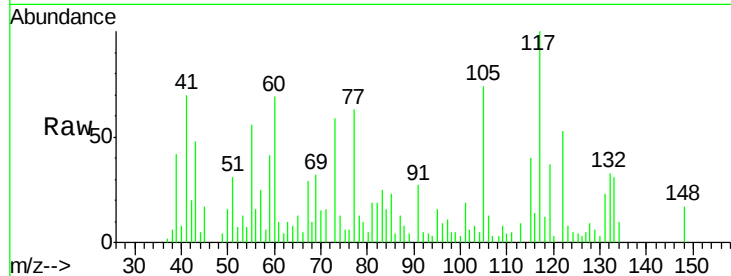
Tot Ion:122 Resp: 20722

Ion Ratio Lower Upper

122 100

105 139.0 100.9 140.9

77 119.3 65.1 105.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF118767.D

Acq: 30 Jan 2020 22:31

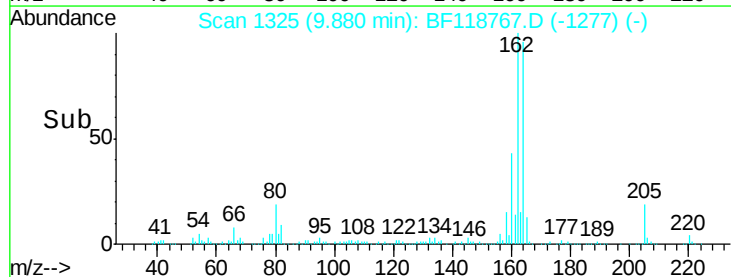
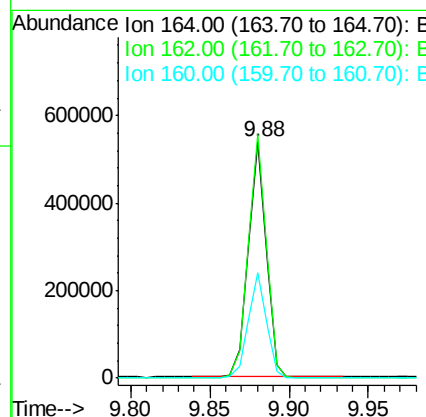
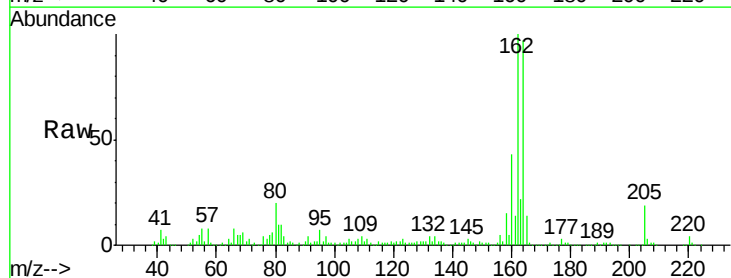
Tgt Ion:164 Resp: 421404

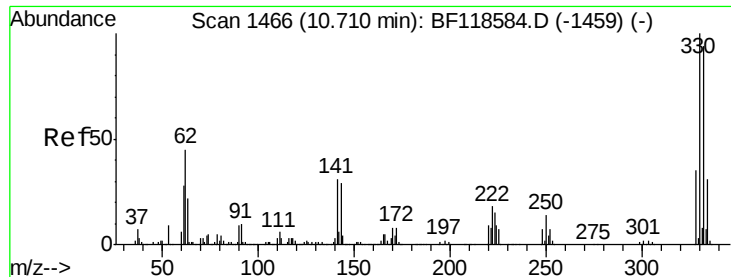
Ion Ratio Lower Upper

164 100

162 103.2 80.8 121.2

160 44.4 35.4 53.0

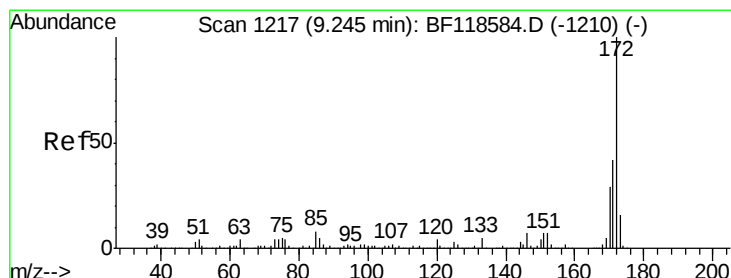
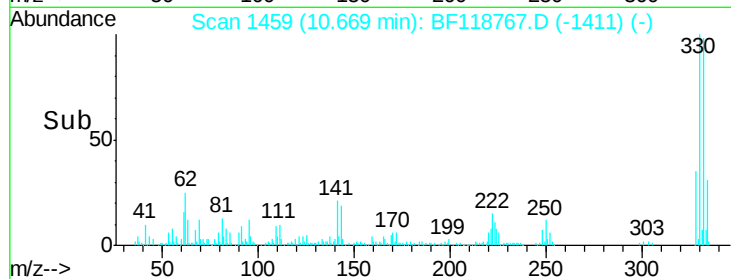
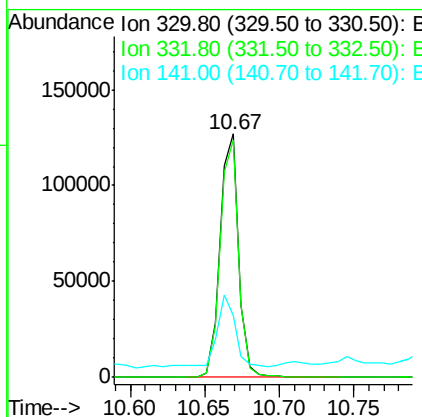
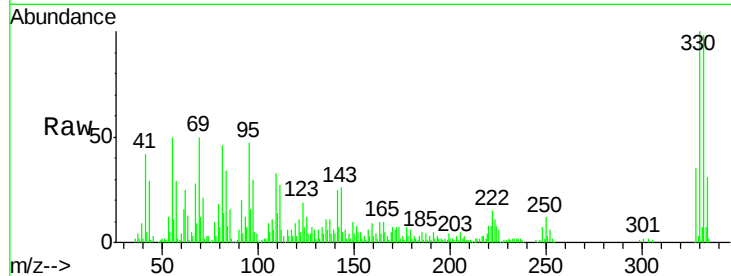




#42  
 2,4,6-Tribromophenol  
 Concen: 22.861 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.02 min  
 Lab File: BF118767.D  
 Acq: 30 Jan 2020 22:31

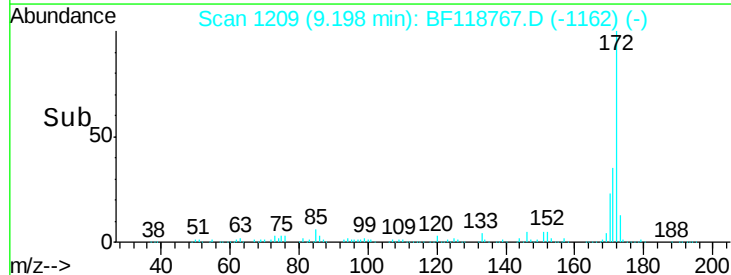
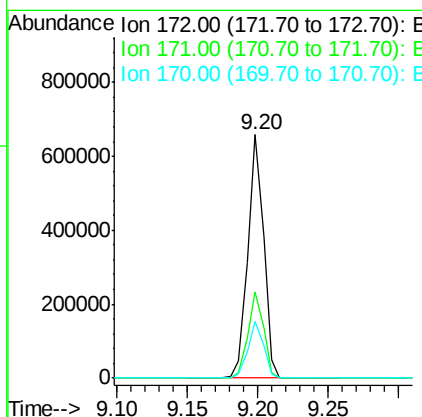
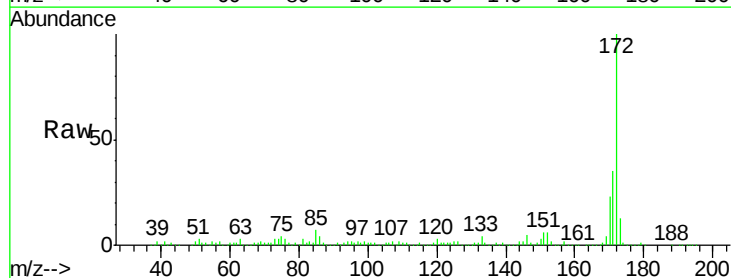
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VB16209

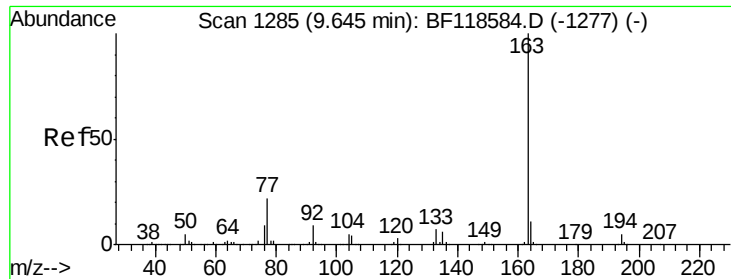
Tot Ion:330 Resp: 111427  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.6 116.4  
 141 27.5 22.2 33.2



#45  
 2-Fluorobiphenyl  
 Concen: 20.113 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.02 min  
 Lab File: BF118767.D  
 Acq: 30 Jan 2020 22:31

Tgt Ion:172 Resp: 515673  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 31.0 46.4  
 170 23.2 20.7 31.1





#50

Dimethylphthalate

Concen: 2.957 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF118767.D

Acq: 30 Jan 2020 22:31

Instrument :

BNA\_F

ClientSampleId :

VB16209

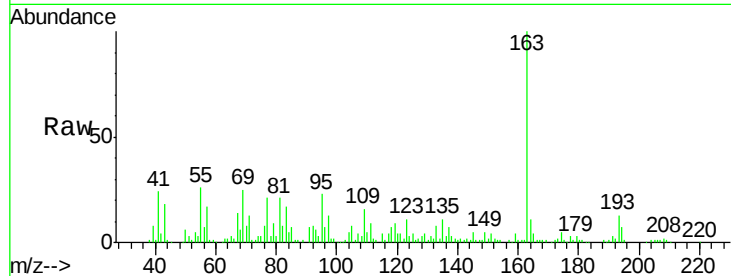
Tot Ion:163 Resp: 81197

Ion Ratio Lower Upper

163 100

194 7.5 3.7 5.5#

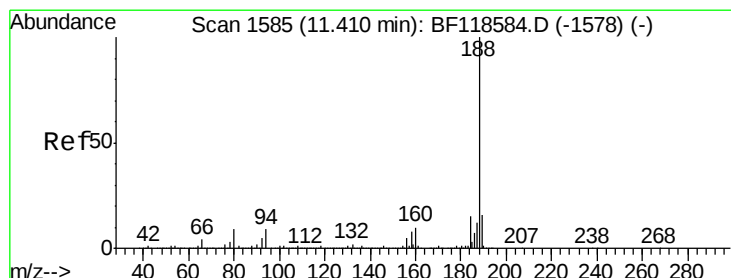
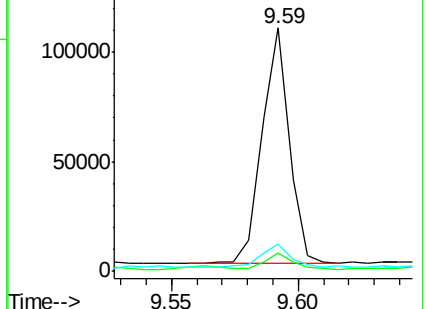
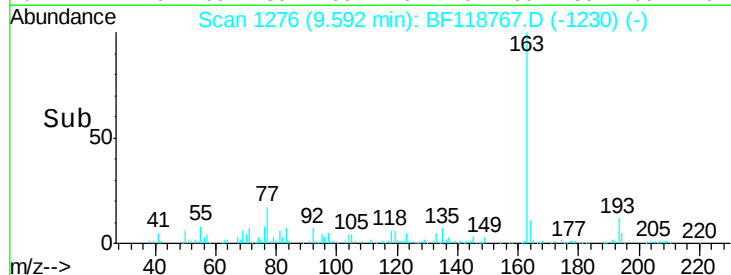
164 11.3 8.2 12.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF118767.D

Acq: 30 Jan 2020 22:31

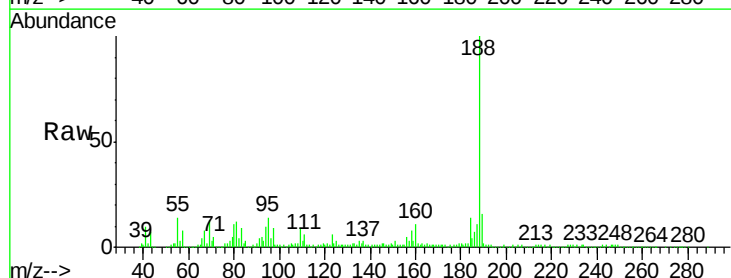
Tgt Ion:188 Resp: 700781

Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.2

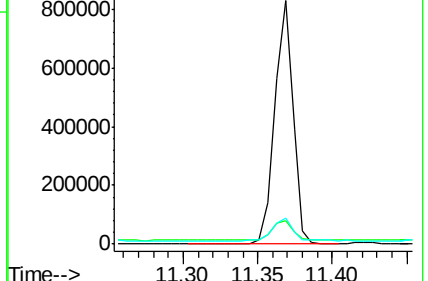
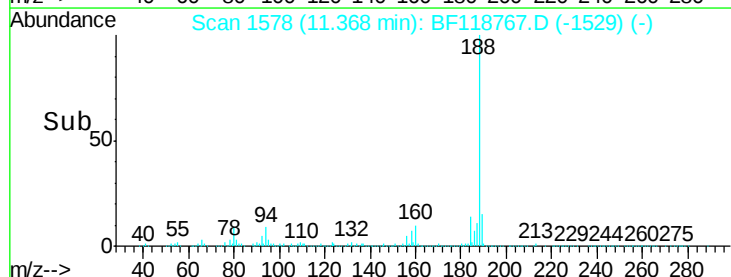
80 10.6 7.8 11.8

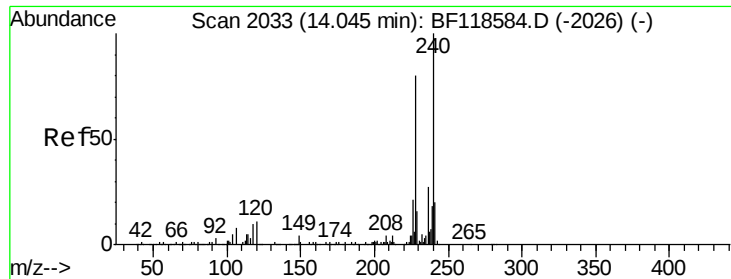


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

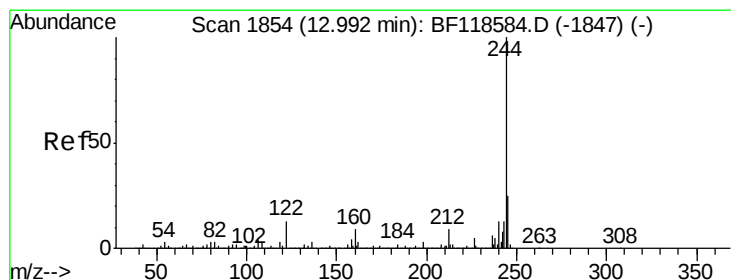
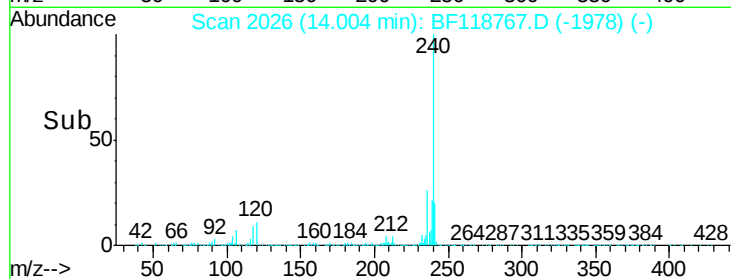
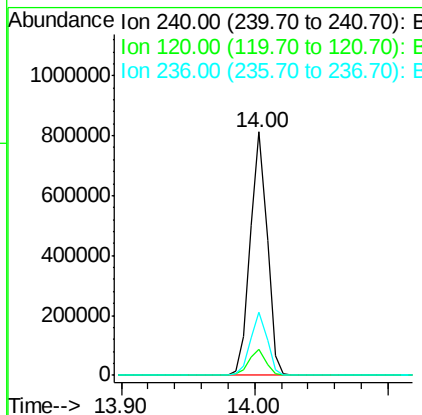
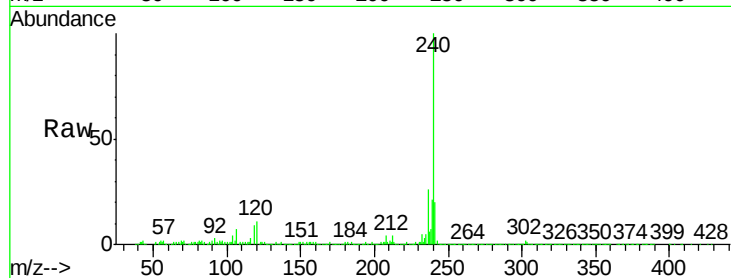




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.02 min  
 Lab File: BF118767.D  
 Acq: 30 Jan 2020 22:31

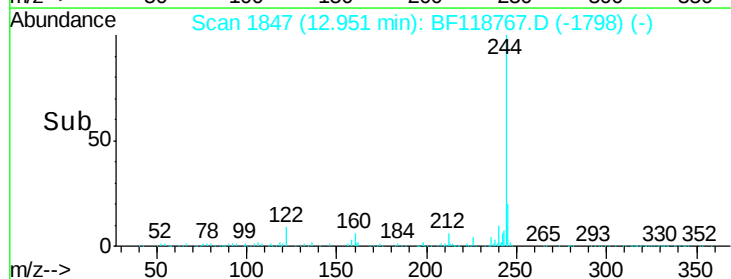
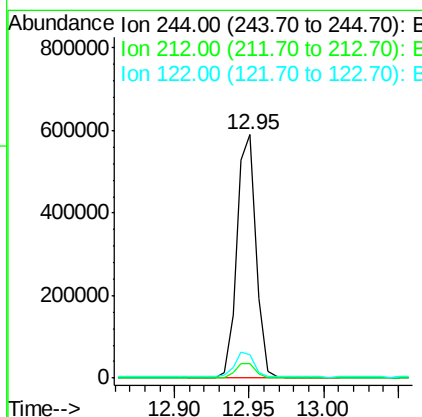
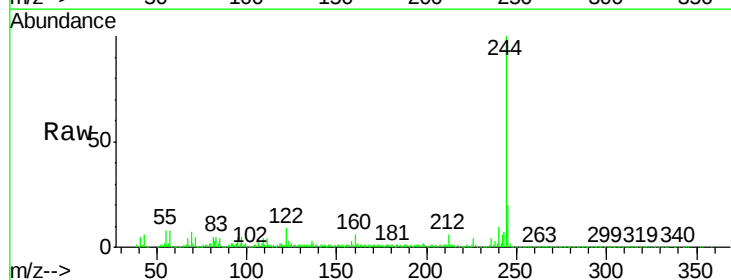
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VB16209

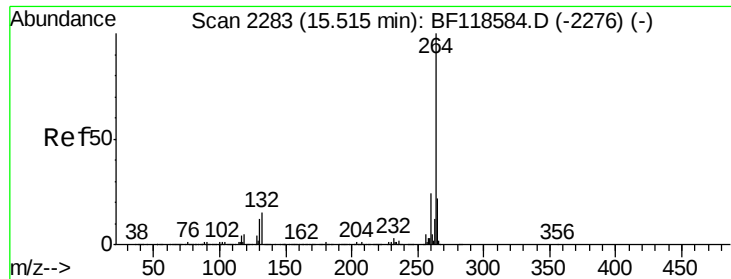
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.7  | 7.6   | 11.4  |
| 236     | 25.9  | 21.0  | 31.4  |



#79  
 Terphenyl-d14  
 Concen: 16.521 ng  
 RT: 12.95 min Scan# 1847  
 Delta R.T. -0.01 min  
 Lab File: BF118767.D  
 Acq: 30 Jan 2020 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.1   | 6.3   | 9.5#  |
| 122     | 9.4   | 9.2   | 13.8  |





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2274  
 Delta R.T. -0.02 min  
 Lab File: BF118767.D  
 Acq: 30 Jan 2020 22:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VB16209

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 18.6  | 28.0  |
| 265     | 22.0  | 17.0  | 25.6  |

