

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\  
 Data File : BF111166.D  
 Acq On : 7 Dec 2018 4:06  
 Operator : JU/SJ  
 Sample : J6199-03 2X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-01-120518-B

Quant Time: Dec 07 08:01:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 17:30:55 2018  
 Response via : Initial Calibration

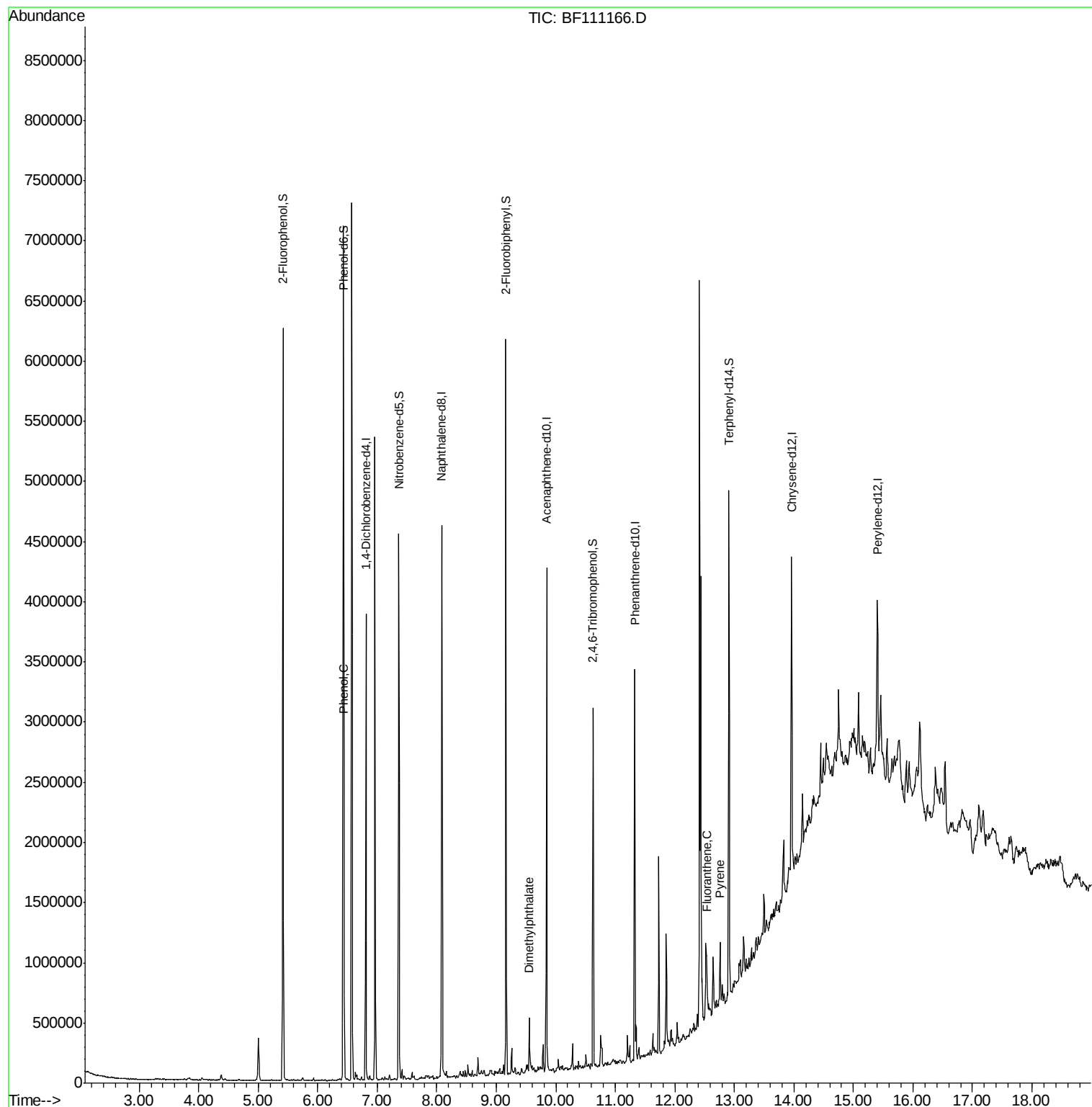
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 525237   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 1919067  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.85  | 164  | 756348   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 1172901  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.96 | 240  | 844577   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12            | 15.40 | 264  | 604989   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1702791  | 50.59 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 2099832  | 48.43 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 1218252  | 37.58 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 295653   | 49.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 1729294  | 33.64 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.91 | 244  | 1222135  | 29.64 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.45  | 94   | 125005   | 2.644 | ng    | 91       |
| 50) Dimethylphthalate       | 9.56  | 163  | 149678   | 2.843 | ng    | 97       |
| 75) Fluoranthene            | 12.53 | 202  | 179085   | 3.244 | ng    | 98       |
| 78) Pyrene                  | 12.76 | 202  | 181470   | 2.758 | ng    | 92       |

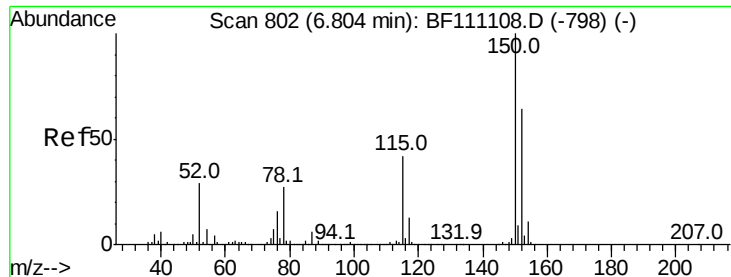
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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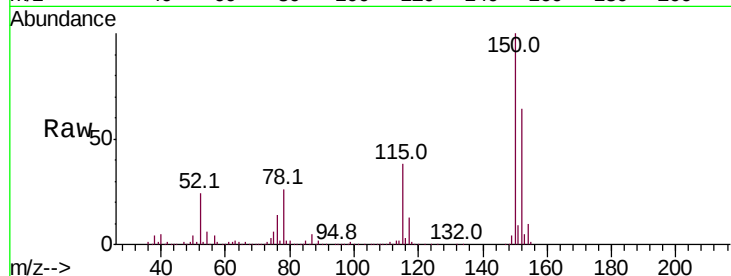


#1

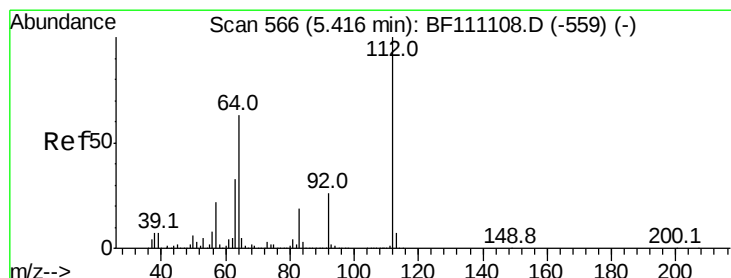
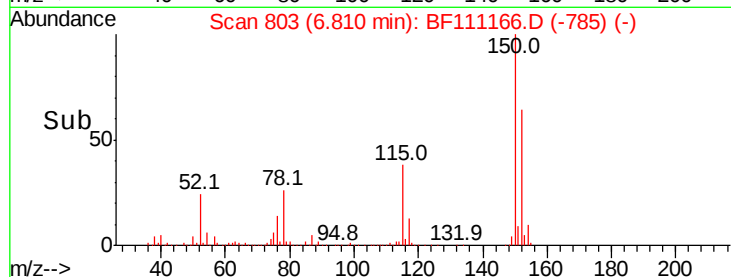
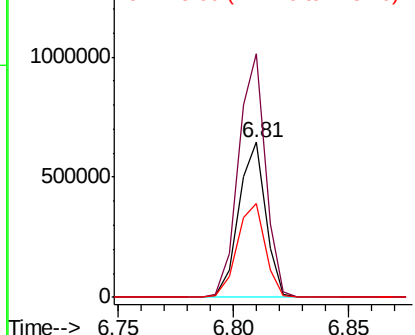
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.01 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

Instrument :  
BNA\_F  
ClientSampleId :  
SU-01-120518-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 124.6 | 187.0 |
| 115     | 60.4  | 52.2  | 78.2  |



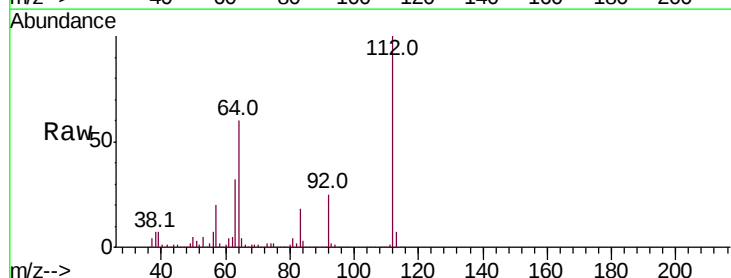
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



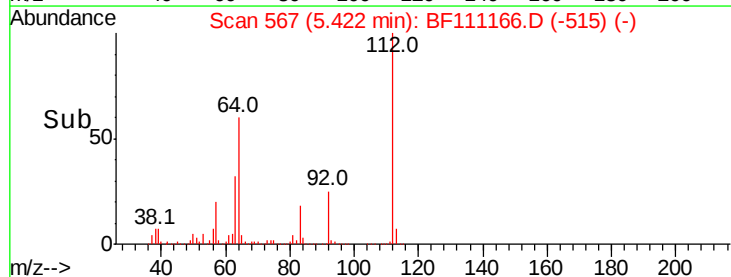
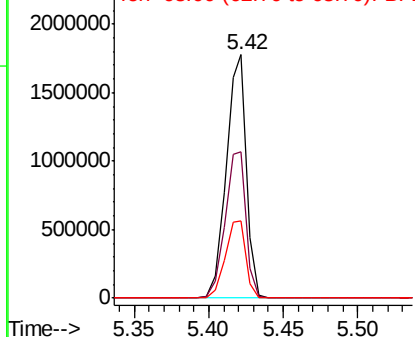
#5

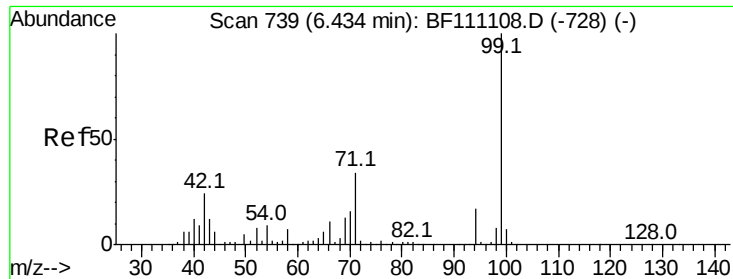
2-Fluorophenol  
Concen: 50.589 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.3  | 50.2  | 75.4  |
| 63      | 31.5  | 26.6  | 39.8  |



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: 48.429 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Instrument :

BNA\_F

ClientSampleId :

SU-01-120518-B

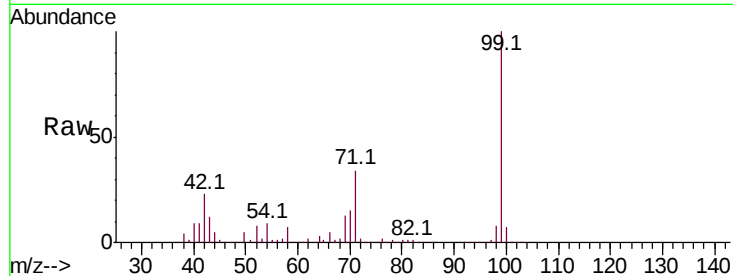
Tot Ion: 99 Resp: 2099832

Ion Ratio Lower Upper

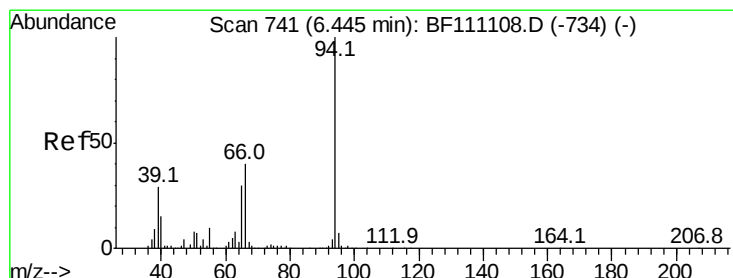
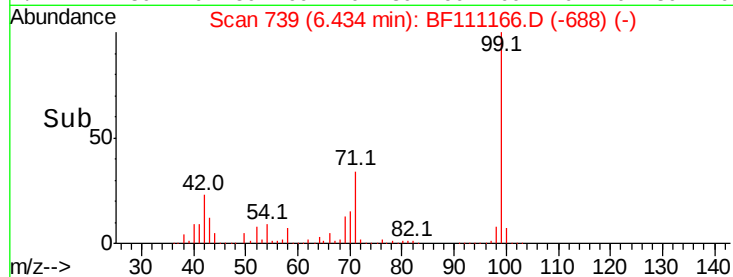
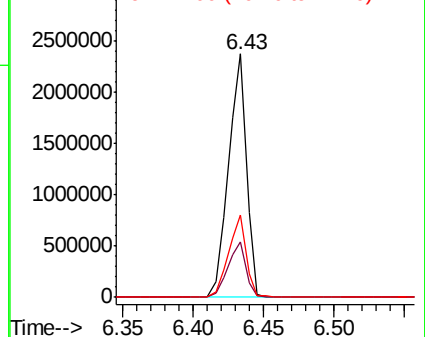
99 100

42 23.0 19.3 28.9

71 33.6 27.4 41.2



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: 2.644 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

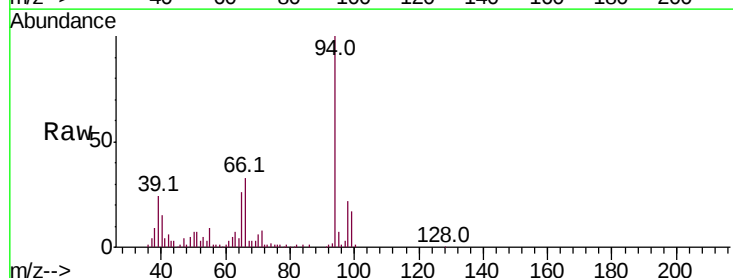
Tgt Ion: 94 Resp: 125005

Ion Ratio Lower Upper

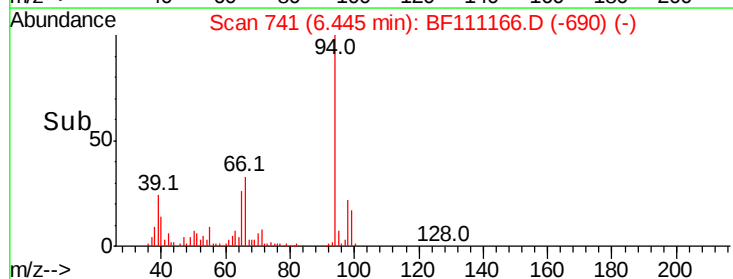
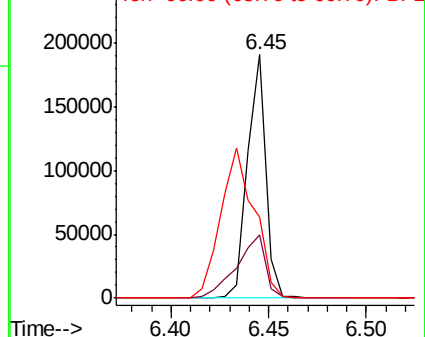
94 100

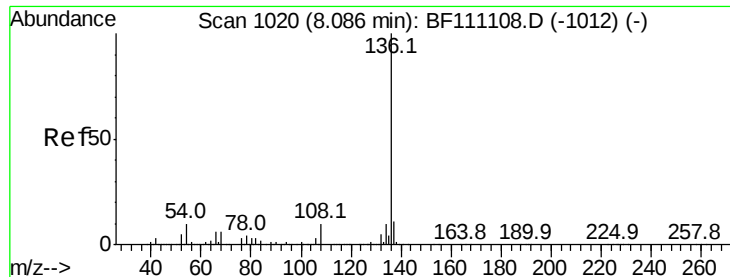
65 26.1 10.5 50.5

66 33.4 19.8 59.8



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

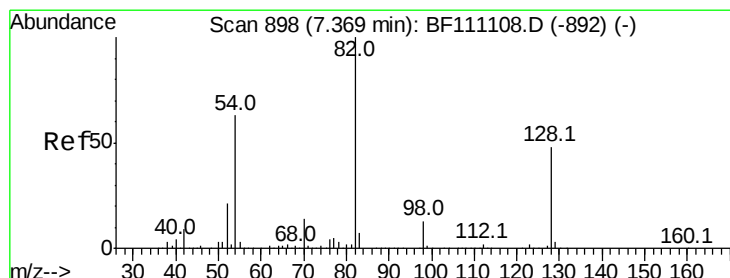
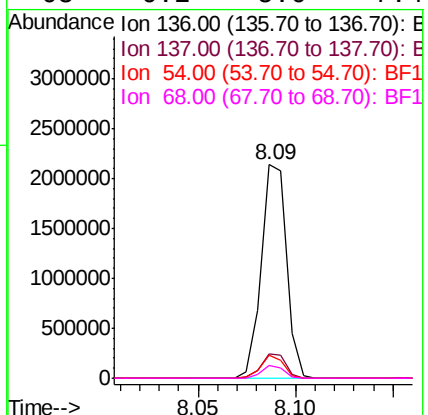
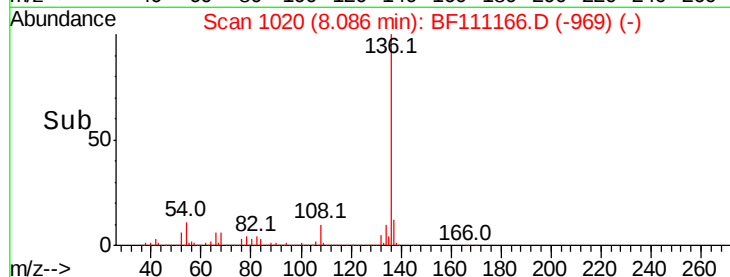
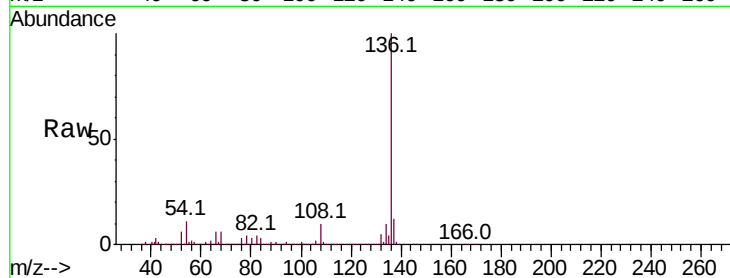




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

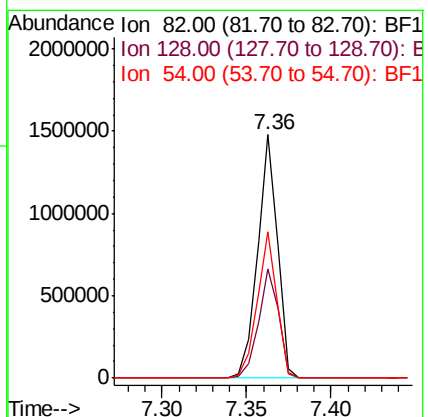
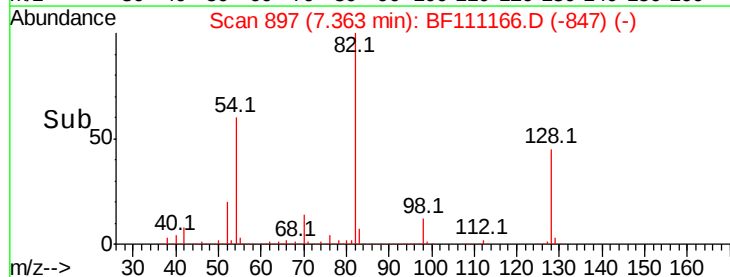
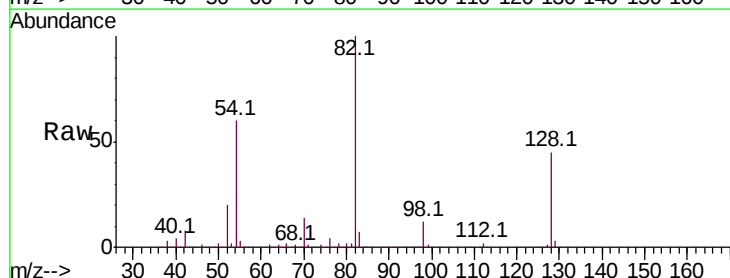
Instrument :  
BNA\_F  
ClientSampleId :  
SU-01-120518-B

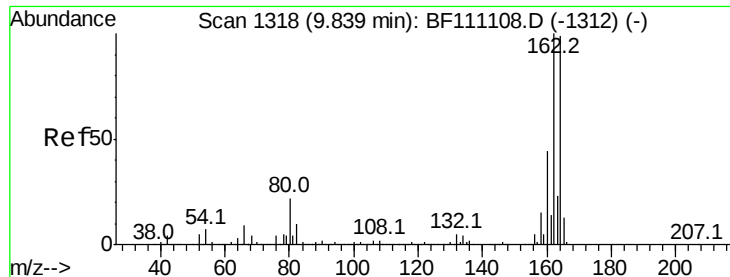
|             |               |
|-------------|---------------|
| Tot Ion:136 | Resp: 1919067 |
| Ion Ratio   | Lower Upper   |
| 136 100     |               |
| 137 11.6    | 9.0 13.6      |
| 54 10.8     | 8.4 12.6      |
| 68 6.2      | 5.0 7.4       |



#23  
Nitrobenzene-d5  
Concen: 37.583 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1218252 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 44.8    | 38.1 57.1     |
| 54 60.0     | 50.3 75.5     |

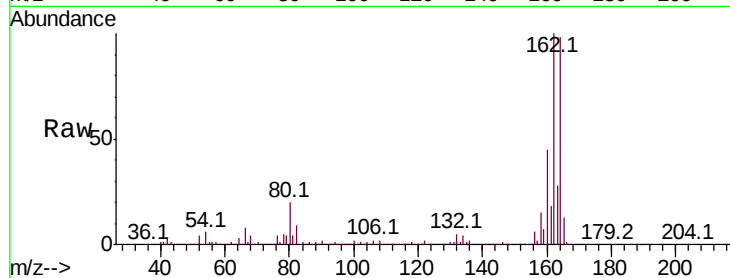




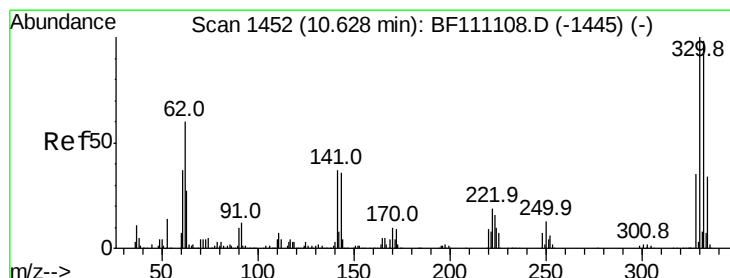
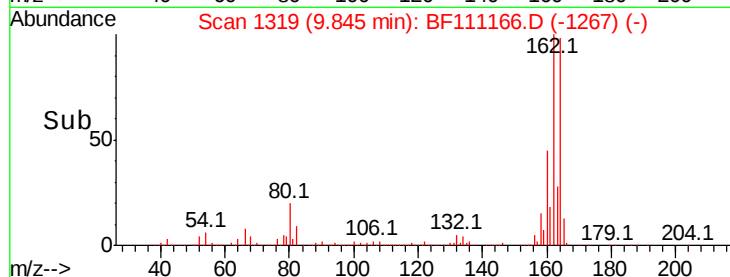
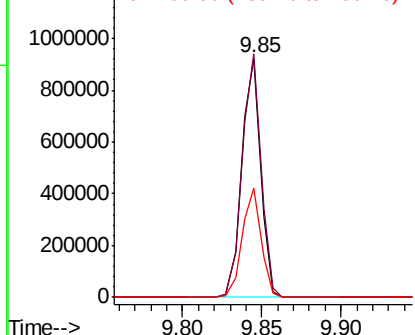
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. 0.01 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

Instrument :  
BNA\_F  
ClientSampleId :  
SU-01-120518-B

Tot Ion:164 Resp: 756348  
Ion Ratio Lower Upper  
164 100  
162 102.0 80.6 120.8  
160 45.6 35.5 53.3

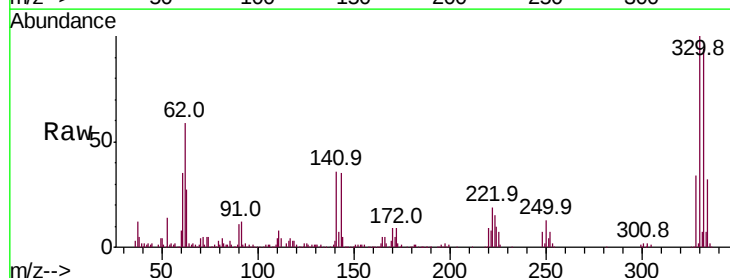


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

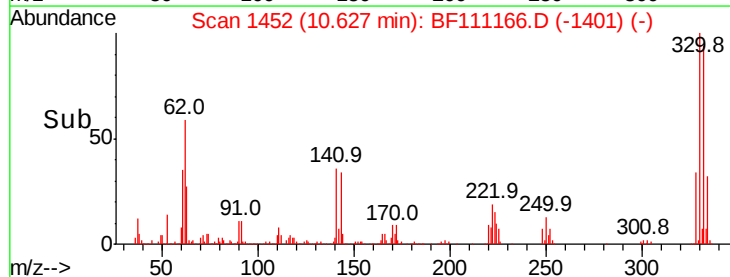
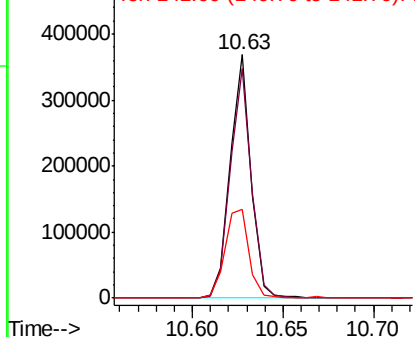


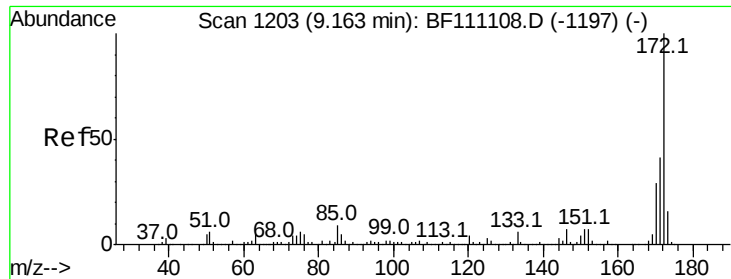
#42  
2,4,6-Tribromophenol  
Concen: 49.176 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.00 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

Tgt Ion:330 Resp: 295653  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.2 115.8  
141 41.6 36.1 54.1



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

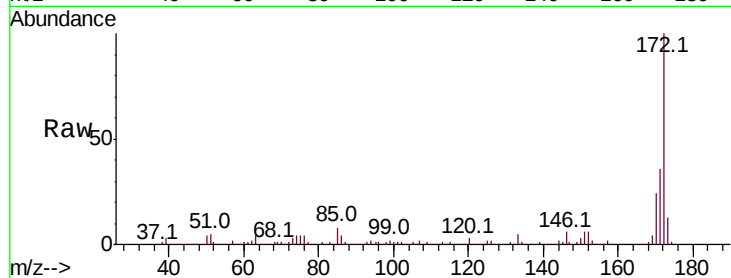




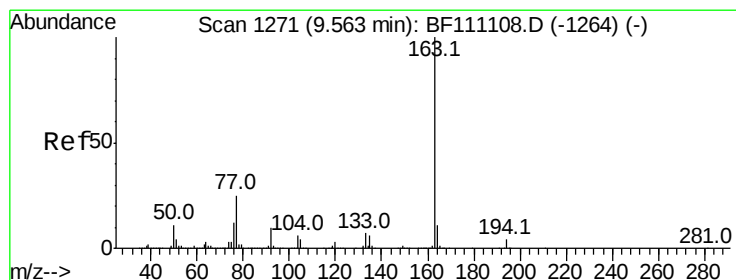
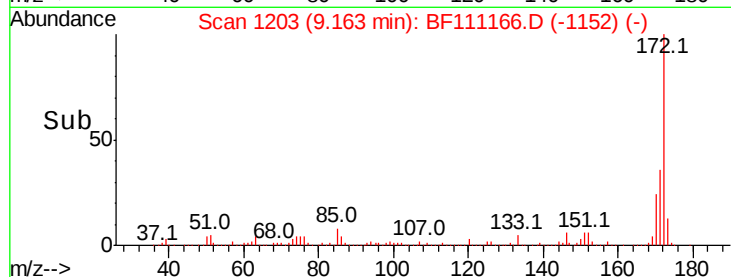
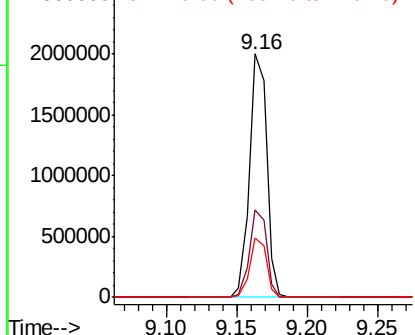
#45  
2-Fluorobiphenyl  
Concen: 33.636 ng  
RT: 9.16 min Scan# 1203  
Delta R.T. 0.00 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

Instrument :  
BNA\_F  
ClientSampleId :  
SU-01-120518-B

Tot Ion:172 Resp: 1729294  
Ion Ratio Lower Upper  
172 100  
171 35.9 33.2 49.8  
170 24.5 22.9 34.3

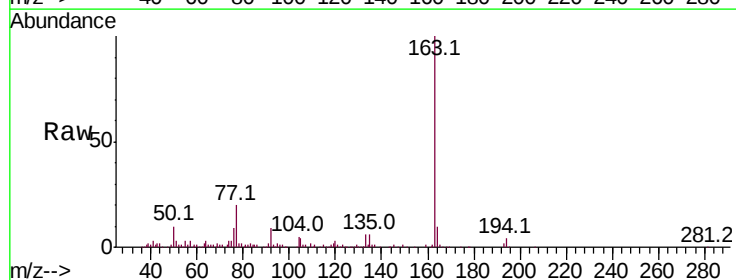


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

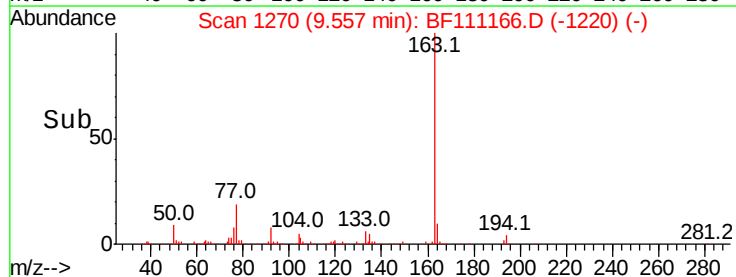
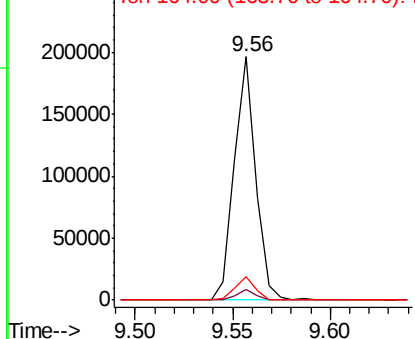


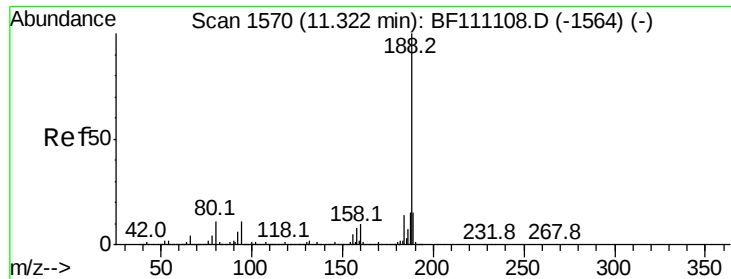
#50  
Dimethylphthalate  
Concen: 2.843 ng  
RT: 9.56 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

Tgt Ion:163 Resp: 149678  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.0 4.4  
164 9.6 8.9 13.3



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: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

Instrument :

BNA\_F

ClientSampleId :

SU-01-120518-B

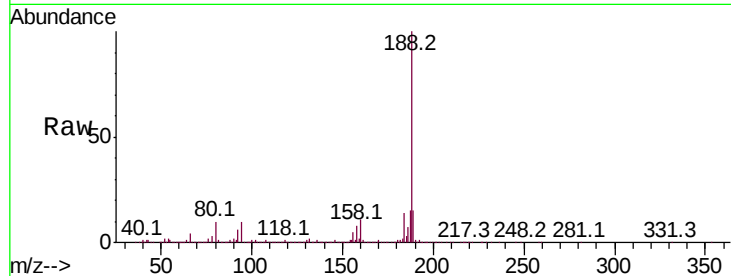
Tot Ion:188 Resp: 1172901

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

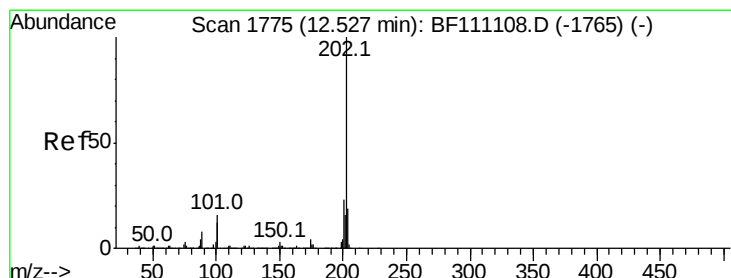
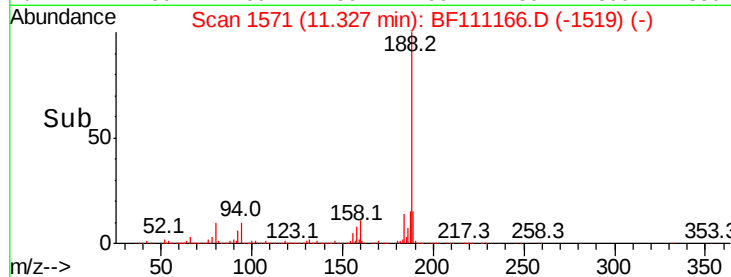
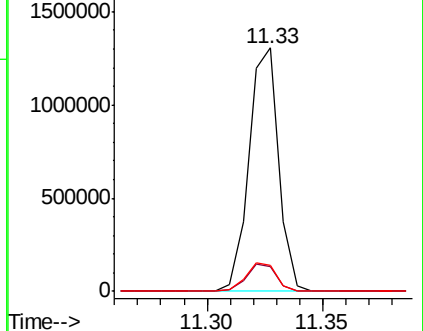
80 10.4 9.0 13.6



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



#75

Fluoranthene

Concen: 3.244 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111166.D

Acq: 7 Dec 2018 4:06

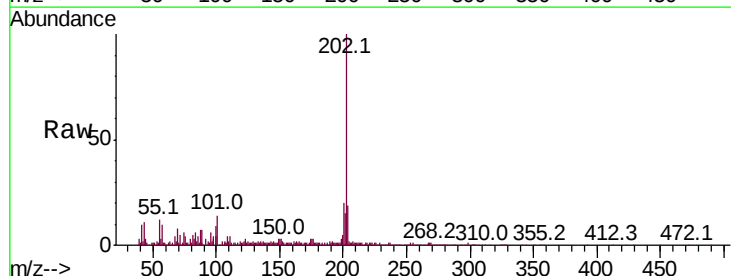
Tgt Ion:202 Resp: 179085

Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.8

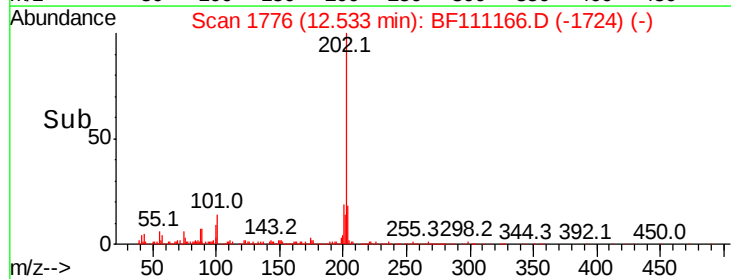
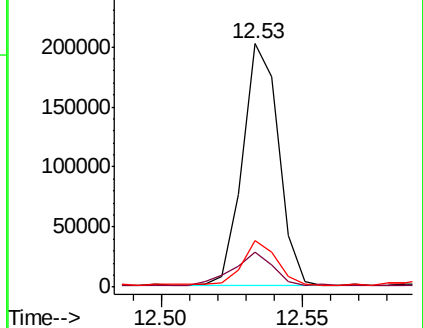
203 18.9 0.0 38.6

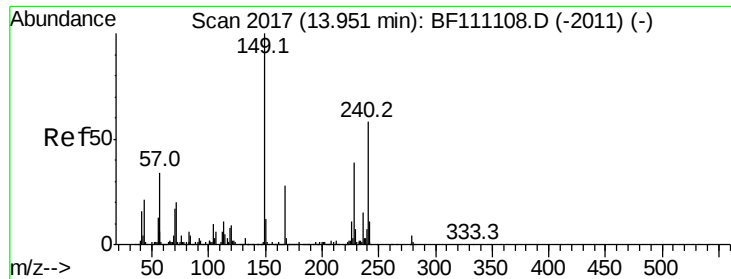


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

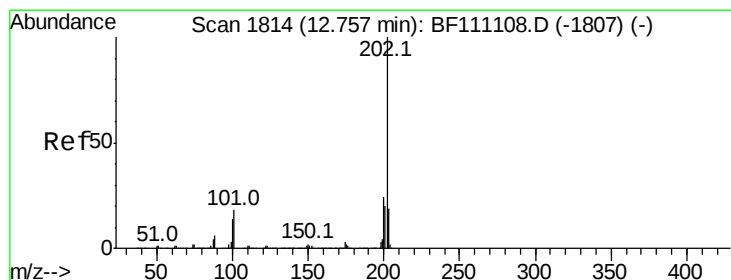
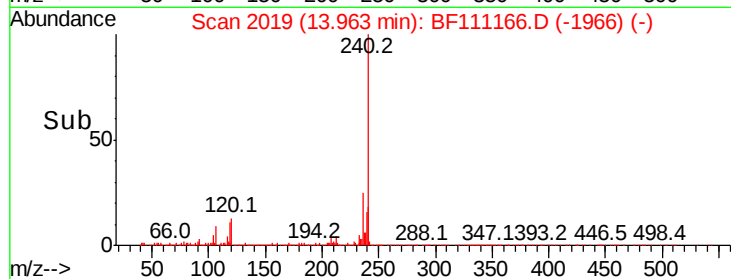
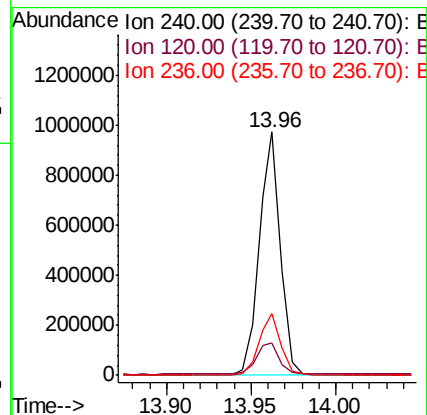
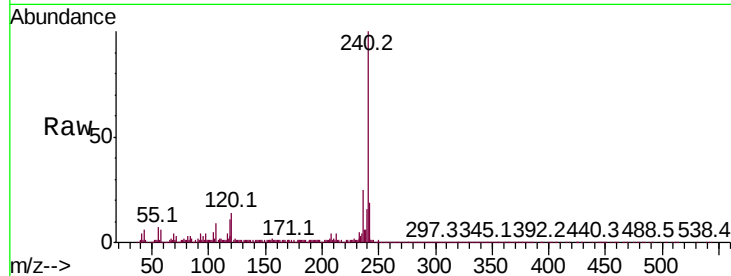




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. 0.01 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

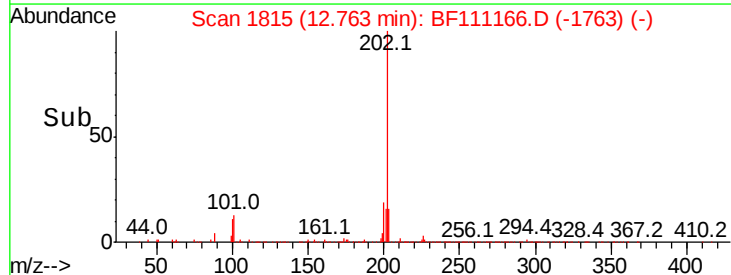
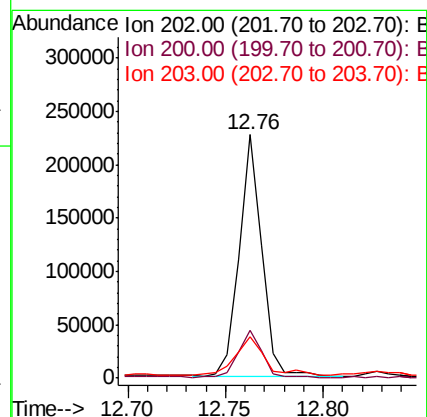
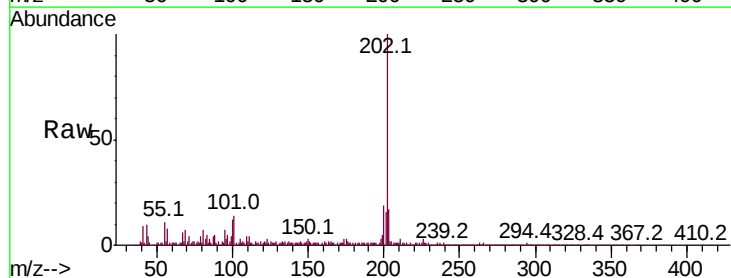
Instrument :  
BNA\_F  
ClientSampleId :  
SU-01-120518-B

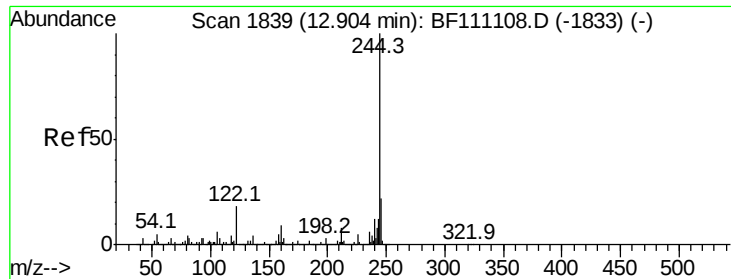
Tot Ion:240 Resp: 844577  
Ion Ratio Lower Upper  
240 100  
120 13.6 12.8 19.2  
236 25.5 21.1 31.7



#78  
Pyrene  
Concen: 2.758 ng  
RT: 12.76 min Scan# 1815  
Delta R.T. 0.01 min  
Lab File: BF111166.D  
Acq: 7 Dec 2018 4:06

Tgt Ion:202 Resp: 181470  
Ion Ratio Lower Upper  
202 100  
200 19.4 19.3 28.9  
203 16.7 15.4 23.2



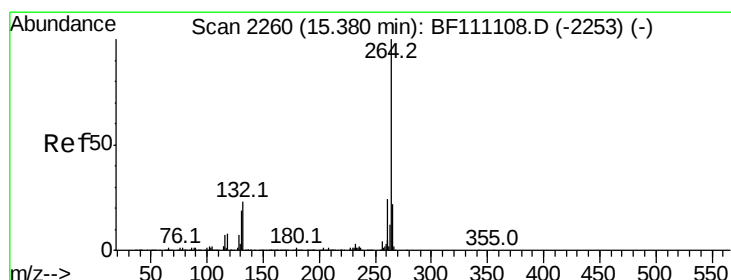
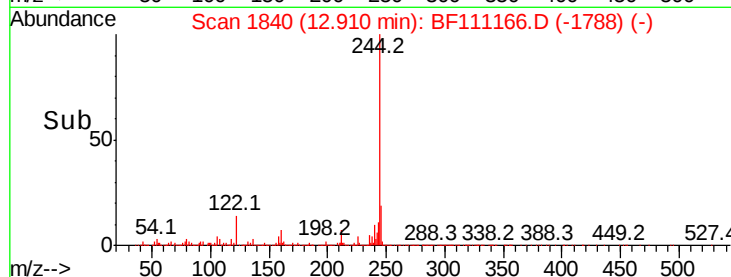
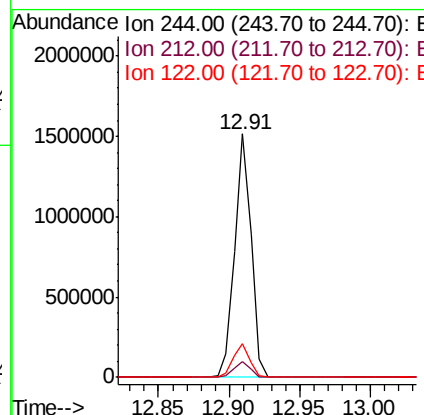
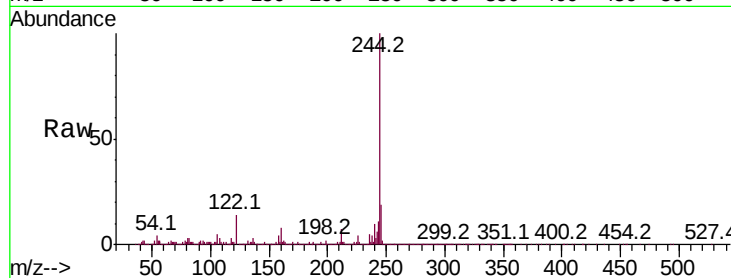


#79  
 Terphenyl-d14  
 Concen: 29.635 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. 0.01 min  
 Lab File: BF111166.D  
 Acq: 7 Dec 2018 4:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-01-120518-B

Tot Ion:244 Resp: 1222135  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.6   | 6.6   | 9.8   |
| 122 | 13.9  | 14.2  | 21.2# |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.40 min Scan# 2264  
 Delta R.T. 0.02 min  
 Lab File: BF111166.D  
 Acq: 7 Dec 2018 4:06

Tgt Ion:264 Resp: 604989  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.4  | 29.0  |
| 265 | 23.4  | 17.4  | 26.0  |

