

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF122018\  
 Data File : BF111660.D  
 Acq On : 21 Dec 2018 1:09  
 Operator : JU/SJ  
 Sample : J6447-06 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-0006-01

Quant Time: Dec 21 06:23:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

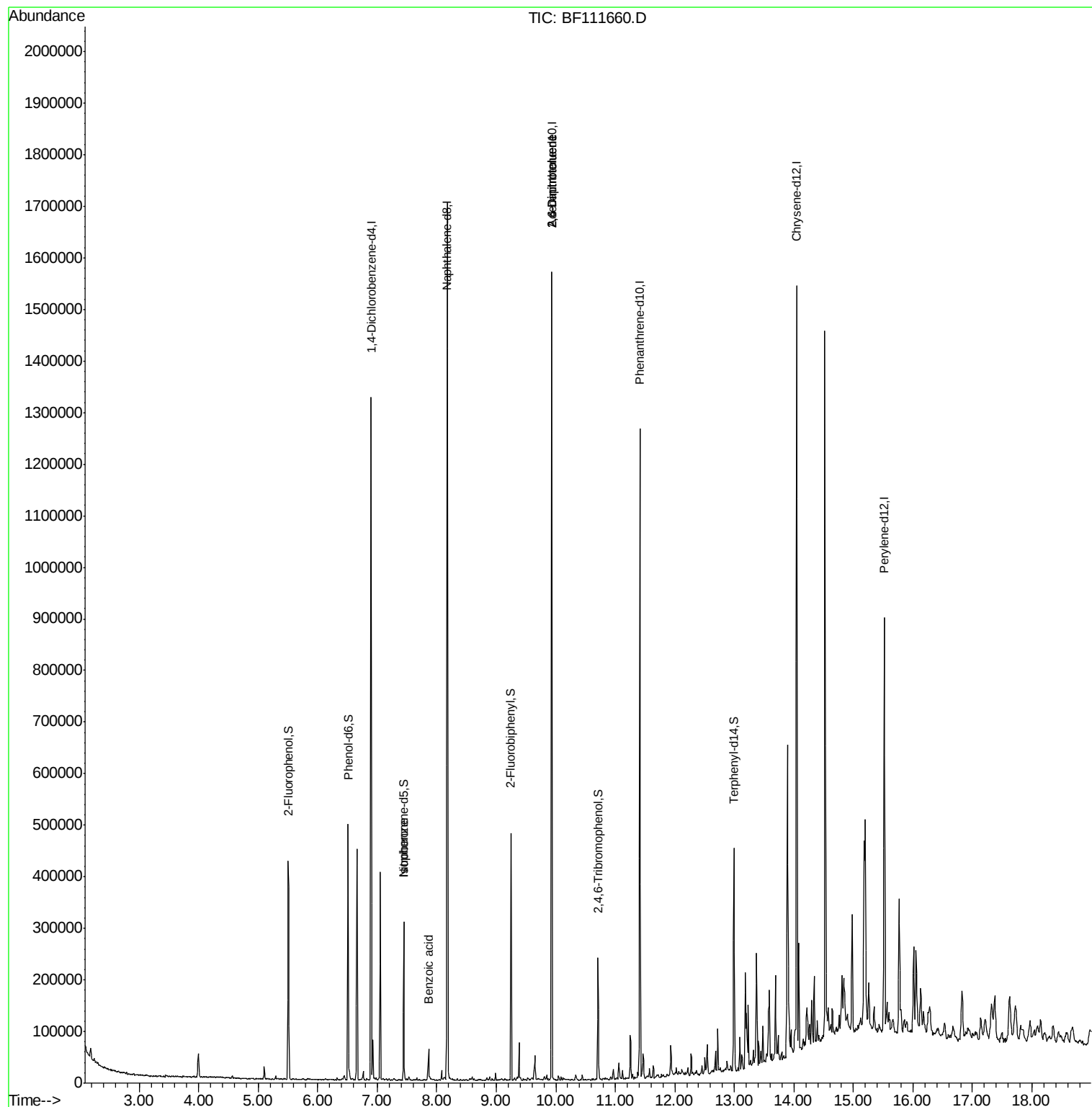
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 196038   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 713723   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.93  | 164  | 315908   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.42 | 188  | 488070   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.04 | 240  | 486838   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.52 | 264  | 372755   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 104809   | 9.11  | ng    | -0.01    |
| 7) Phenol-d6                | 6.51  | 99   | 130950   | 8.95  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 75358    | 6.15  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.71 | 330  | 25565    | 6.85  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 146129   | 6.74  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.99 | 244  | 120802   | 4.71  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.45  | 82   | 75356    | 3.462 | ng    | # 64     |
| 32) Benzoic acid            | 7.86  | 122  | 14835    | 2.184 | ng    | # 97     |
| 51) 2,6-Dinitrotoluene      | 9.93  | 165  | 40766    | 8.850 | ng    | # 29     |
| 57) 2,4-Dinitrotoluene      | 9.93  | 165  | 40766    | 7.363 | ng    | # 24     |

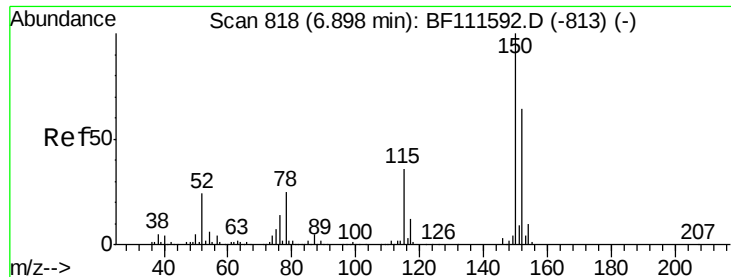
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF122018\  
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QLast Update : Wed Dec 19 17:39:39 2018  
Response via : Initial Calibration



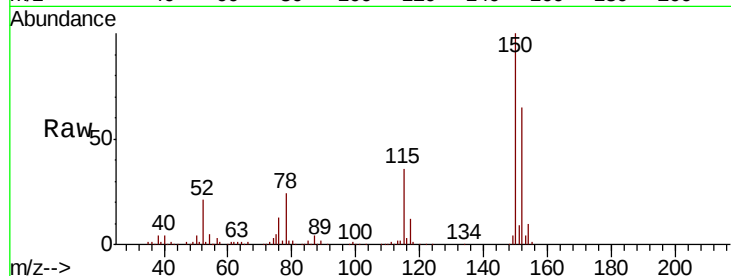


#1

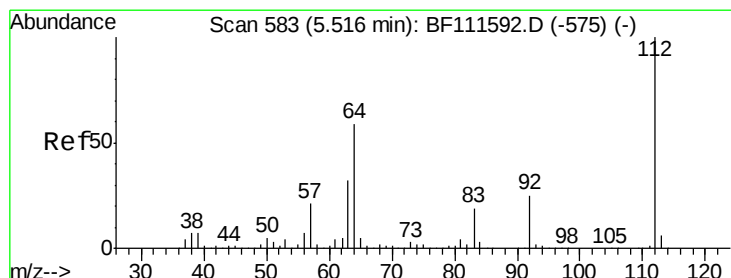
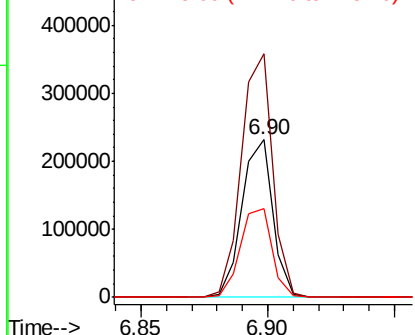
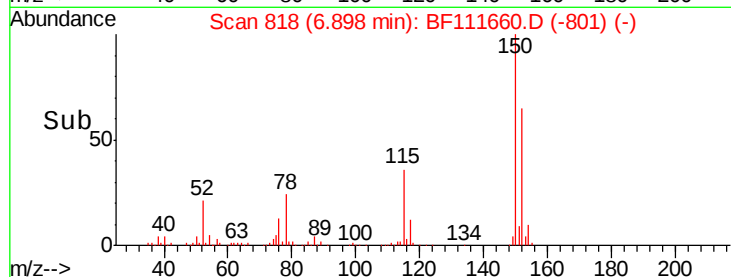
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF111660.D  
Acq: 21 Dec 2018 1:09

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-0006-01

Tgt Ion:152 Resp: 196038  
Ion Ratio Lower Upper  
152 100  
150 154.4 126.6 189.8  
115 55.9 50.7 76.1



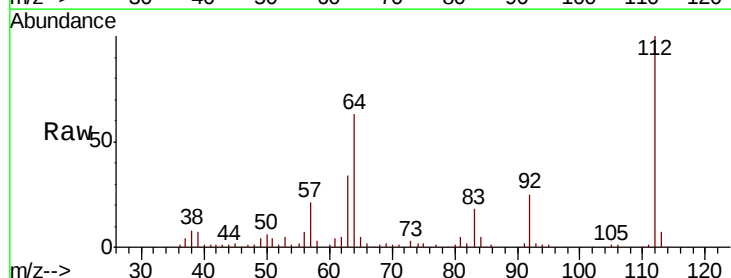
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



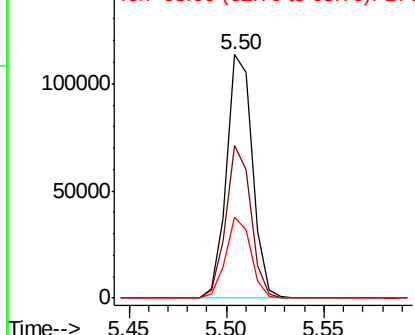
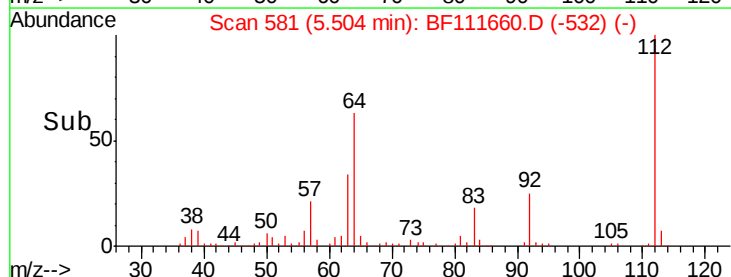
#5

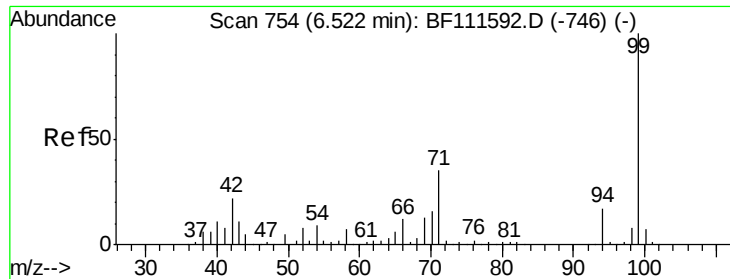
2-Fluorophenol  
Concen: 9.113 ng  
RT: 5.50 min Scan# 581  
Delta R.T. -0.01 min  
Lab File: BF111660.D  
Acq: 21 Dec 2018 1:09

Tgt Ion:112 Resp: 104809  
Ion Ratio Lower Upper  
112 100  
64 62.6 51.8 77.6  
63 33.5 26.8 40.2



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: 8.947 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111660.D

Acq: 21 Dec 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-0006-01

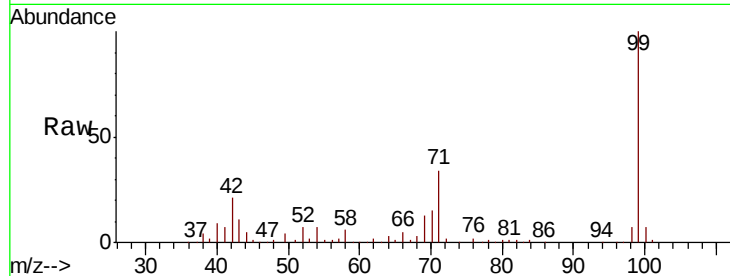
Tgt Ion: 99 Resp: 130950

Ion Ratio Lower Upper

99 100

42 21.4 17.4 26.0

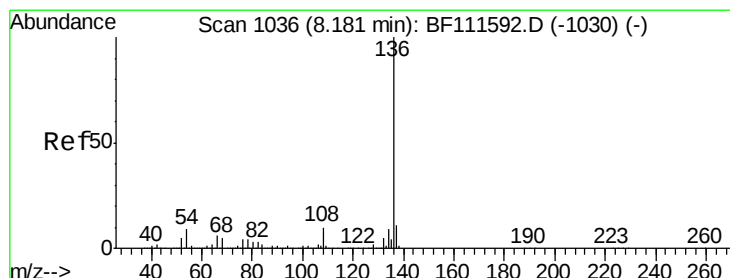
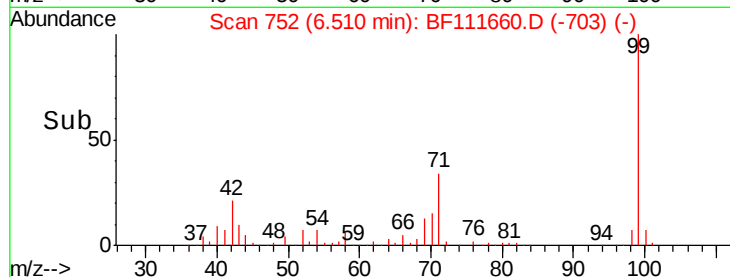
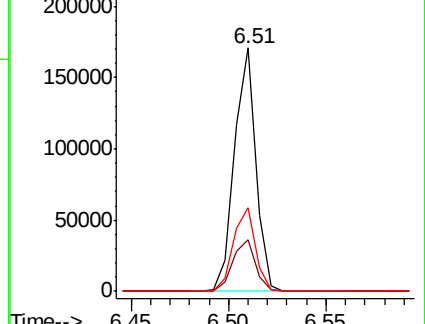
71 34.4 26.1 39.1



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111660.D

Acq: 21 Dec 2018 1:09

Tgt Ion: 136 Resp: 713723

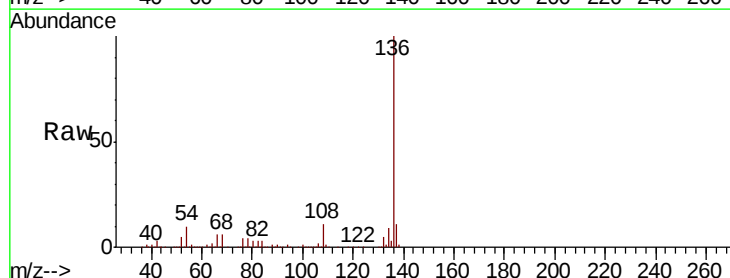
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.8 7.7 11.5

68 6.0 4.9 7.3

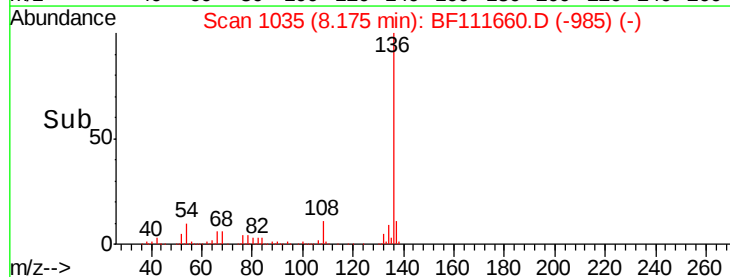
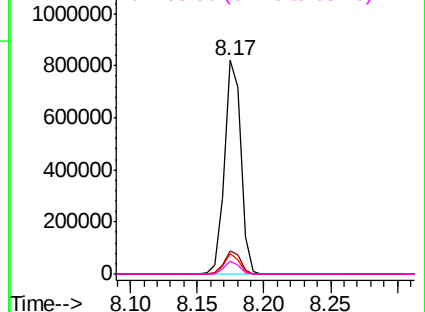


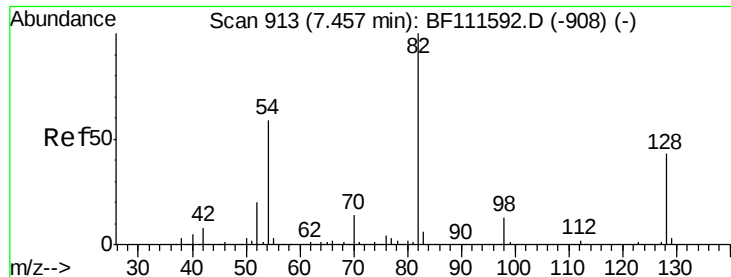
Abundance Ion 136.00 (135.70 to 136.70): E

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

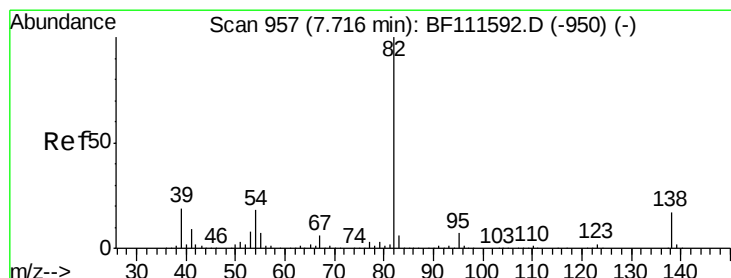
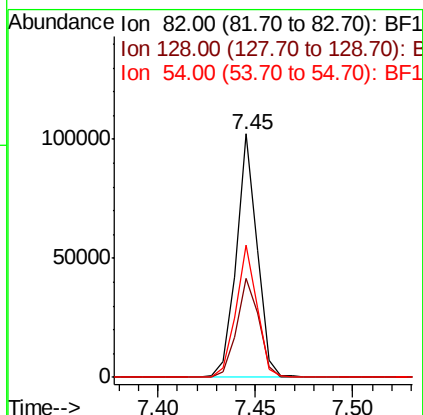
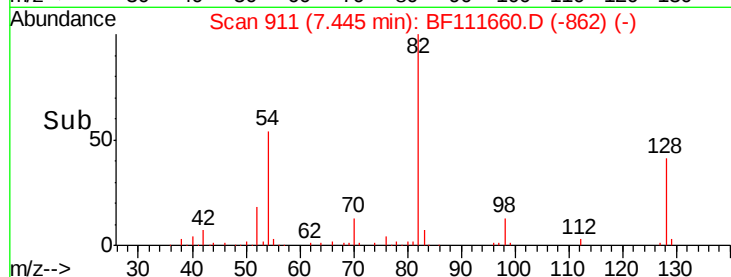
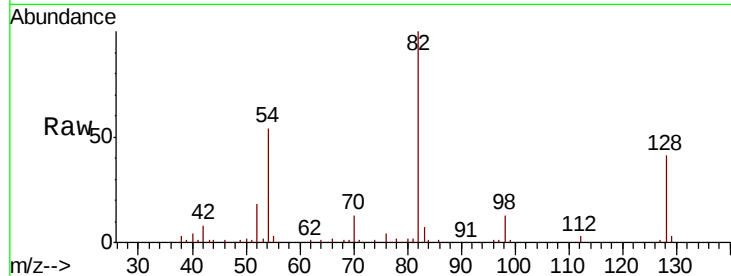




#23  
 Nitrobenzene-d5  
 Concen: 6.146 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF111660.D  
 Acq: 21 Dec 2018 1:09

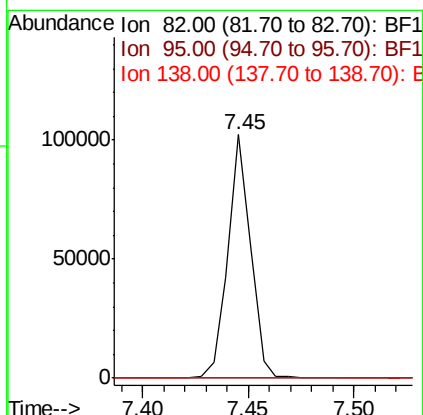
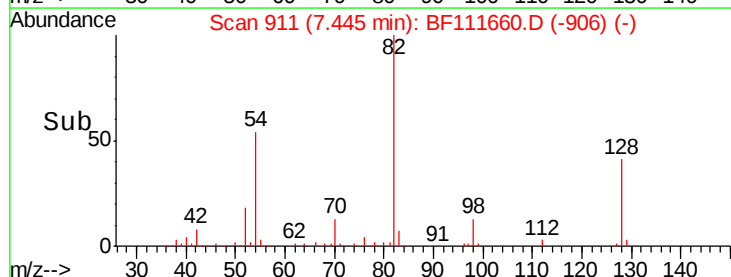
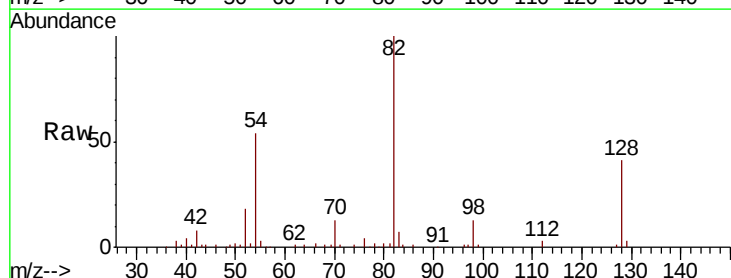
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-0006-01

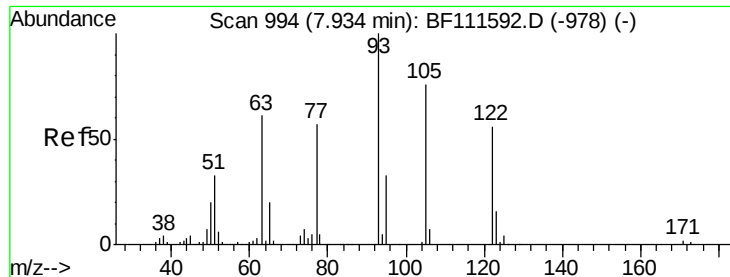
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.8  | 37.4  | 56.2  |
| 54      | 54.4  | 47.6  | 71.4  |



#25  
 Isophorone  
 Concen: 3.462 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.27 min  
 Lab File: BF111660.D  
 Acq: 21 Dec 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.4   | 8.2#  |
| 138     | 0.0   | 15.1  | 22.7# |





#32

Benzoic acid

Concen: 2.184 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.07 min

Lab File: BF111660.D

Acq: 21 Dec 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-0006-01

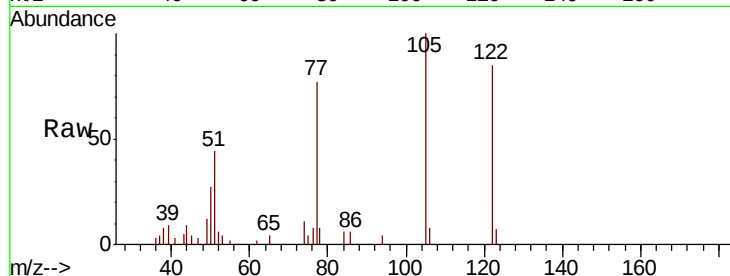
Tgt Ion:122 Resp: 14835

Ion Ratio Lower Upper

122 100

105 118.0 97.0 137.0

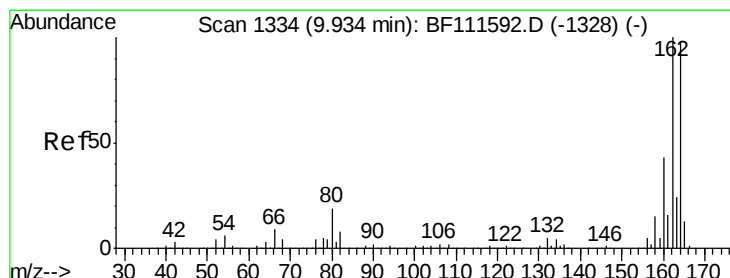
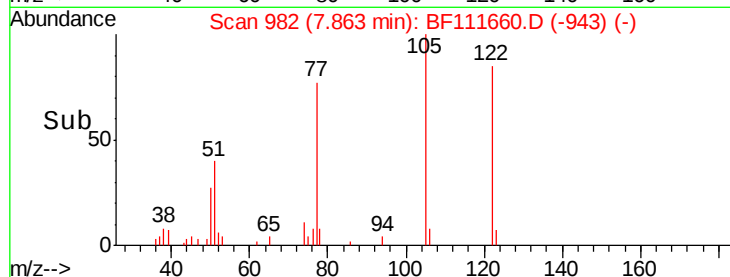
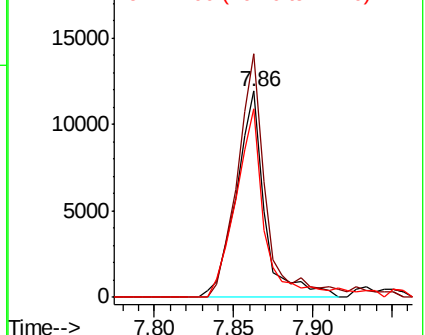
77 91.1 65.7 105.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111660.D

Acq: 21 Dec 2018 1:09

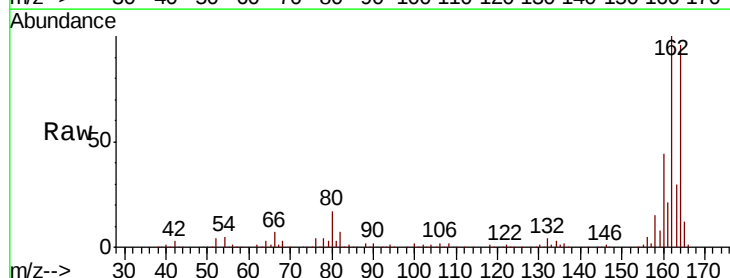
Tgt Ion:164 Resp: 315908

Ion Ratio Lower Upper

164 100

162 104.2 81.4 122.0

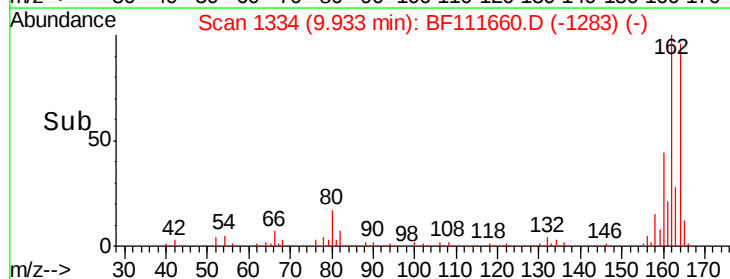
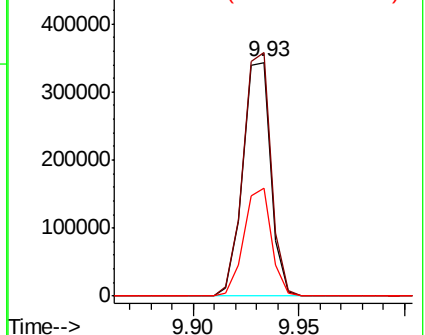
160 46.3 35.7 53.5

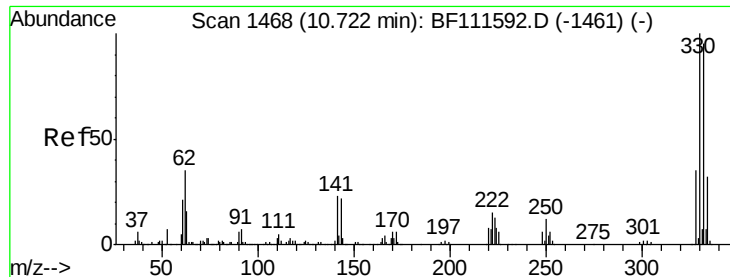


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

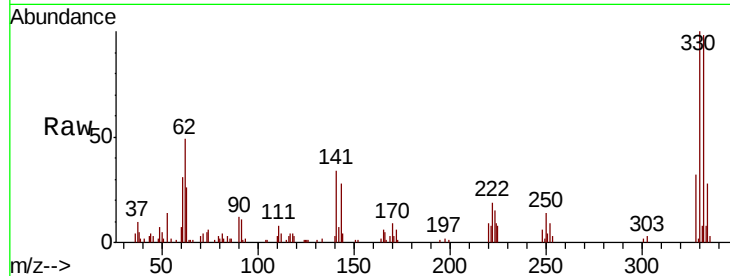




#42  
 2,4,6-Tribromophenol  
 Concen: 6.849 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF111660.D  
 Acq: 21 Dec 2018 1:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-0006-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.0  | 114.0 |
| 141     | 31.3  | 31.0  | 46.6  |

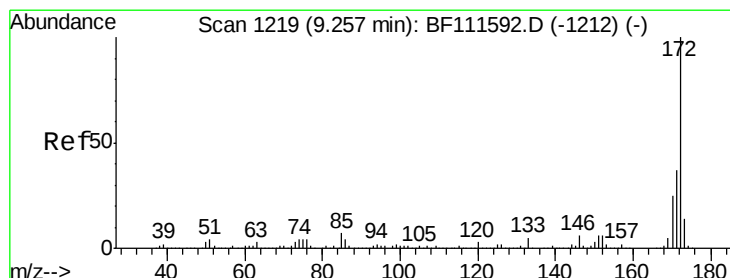
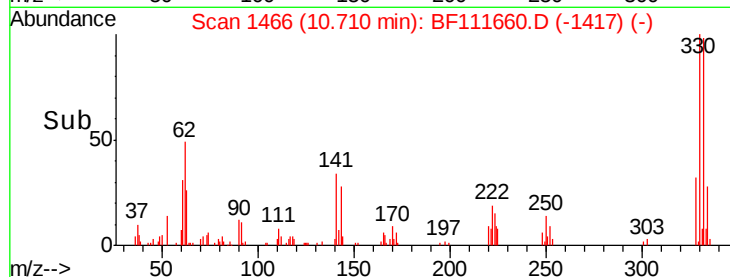
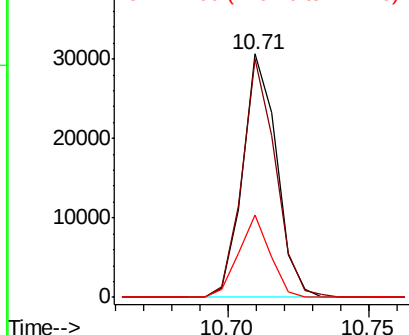


Abundance

Ion 329.80 (329.50 to 330.50): E

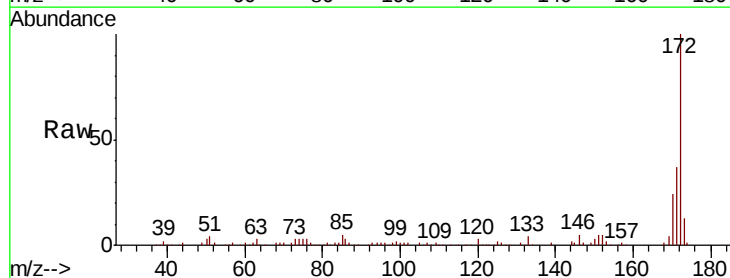
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 6.742 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF111660.D  
 Acq: 21 Dec 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 33.0  | 49.4  |
| 170     | 24.1  | 22.3  | 33.5  |

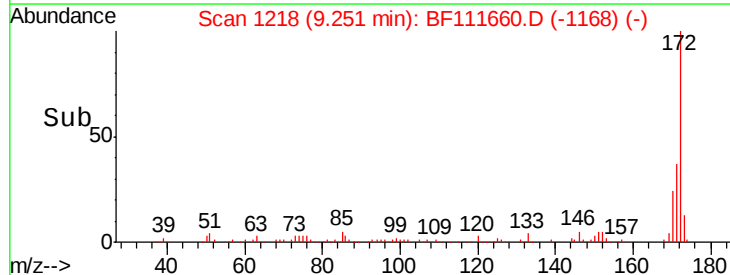
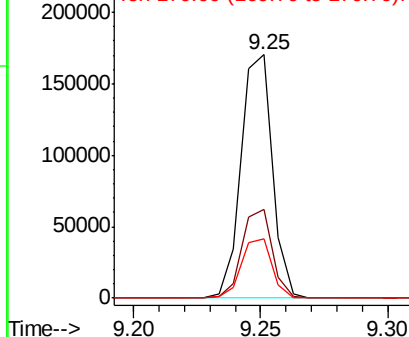


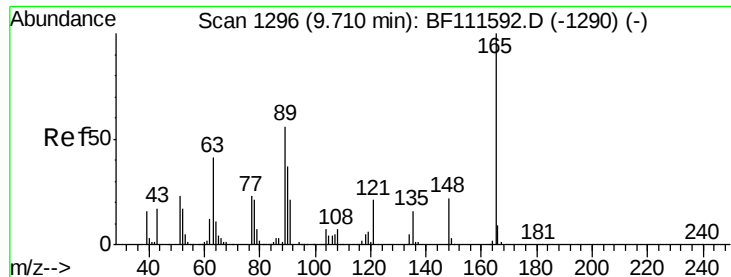
Abundance

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

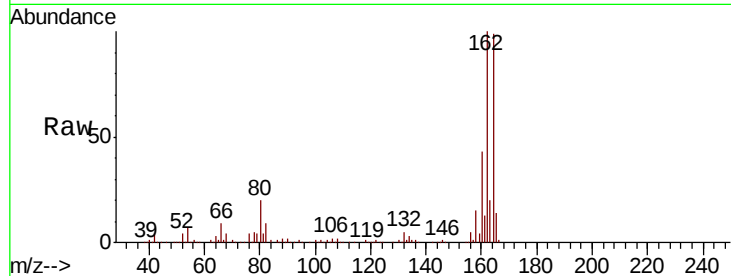




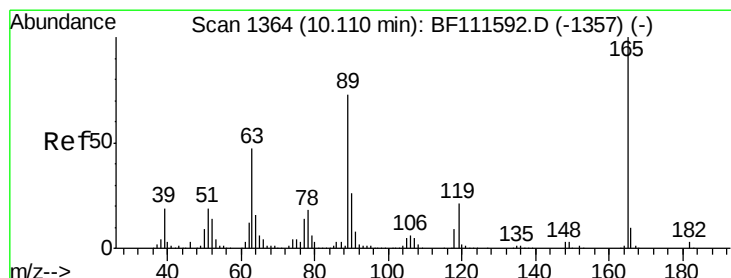
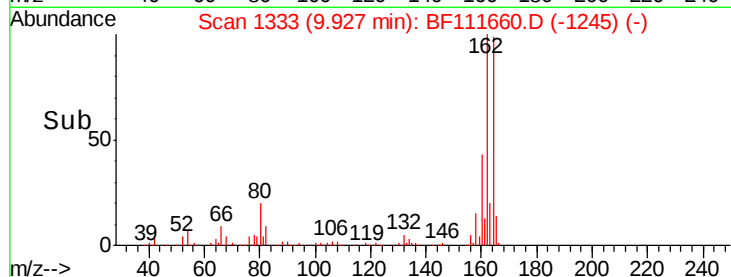
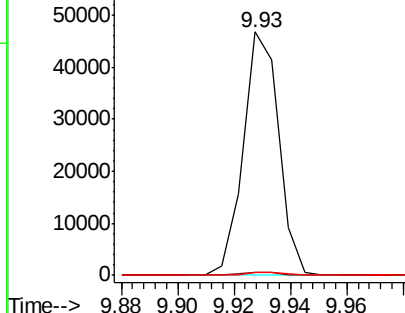
#51  
2,6-Dinitrotoluene  
Concen: 8.850 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. 0.22 min  
Lab File: BF111660.D  
Acq: 21 Dec 2018 1:09

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-0006-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 40.5  | 60.7# |
| 89      | 1.3   | 40.0  | 60.0# |



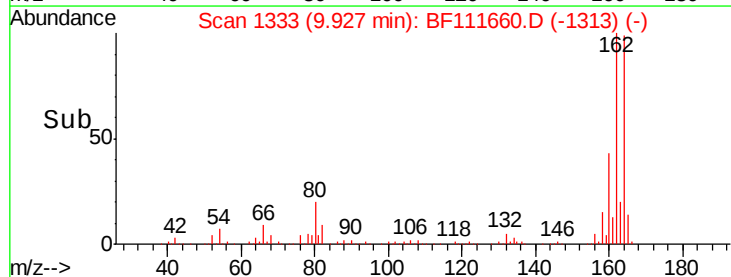
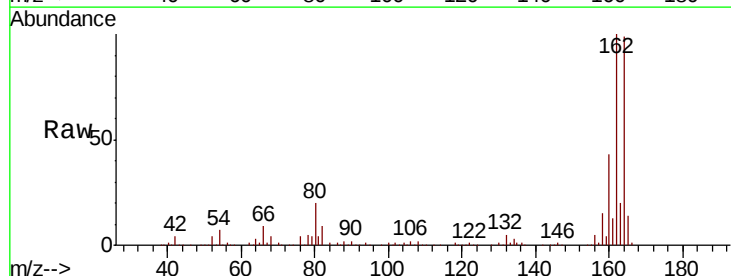
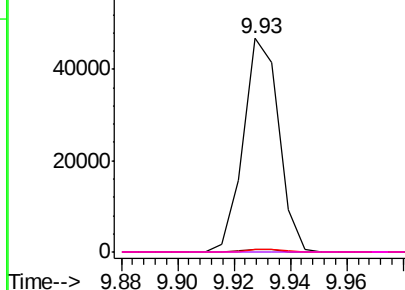
Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

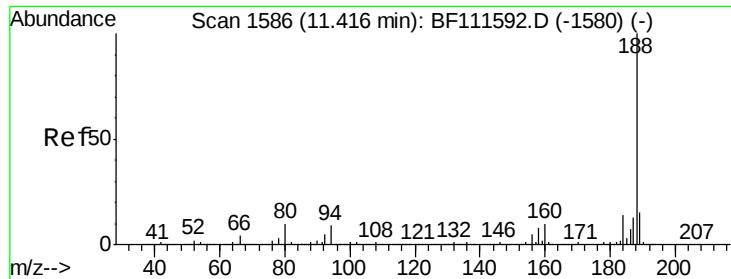


#57  
2,4-Dinitrotoluene  
Concen: 7.363 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.18 min  
Lab File: BF111660.D  
Acq: 21 Dec 2018 1:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 34.6  | 52.0# |
| 89      | 1.3   | 56.2  | 84.4# |
| 182     | 0.0   | 1.8   | 2.6#  |

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

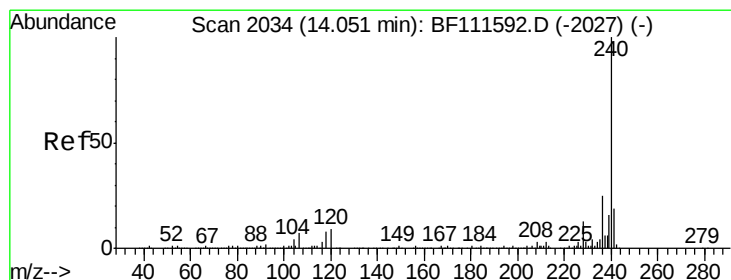
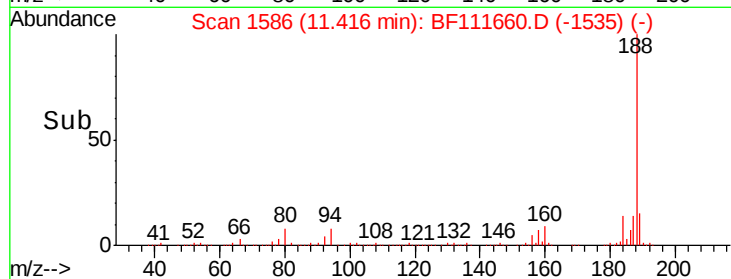
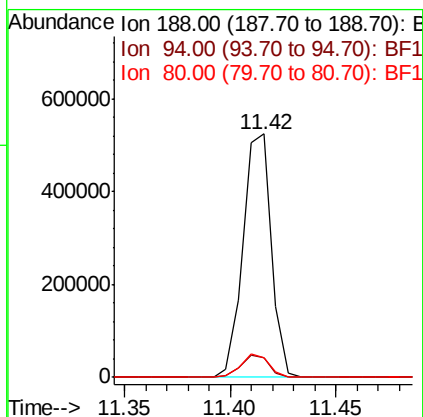
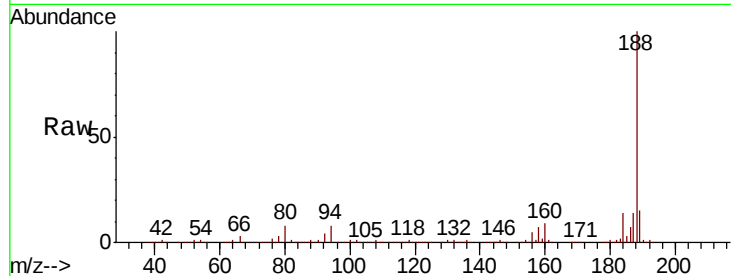




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: BF111660.D  
Acq: 21 Dec 2018 1:09

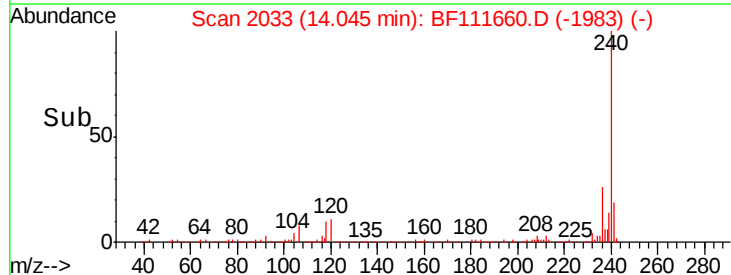
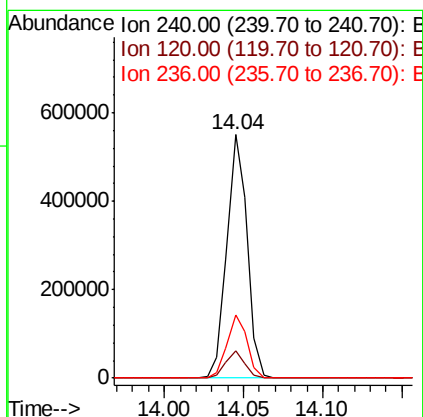
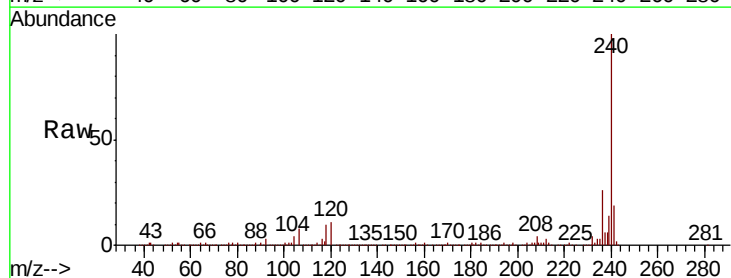
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-0006-01

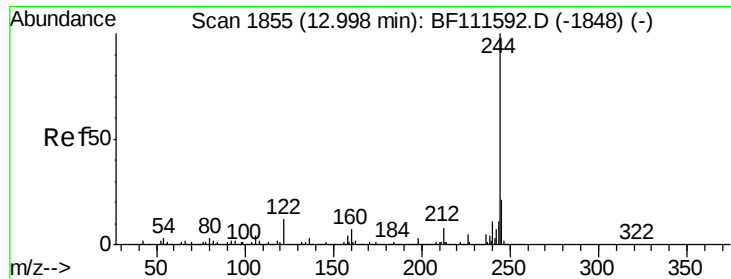
Tgt Ion:188 Resp: 488070  
Ion Ratio Lower Upper  
188 100  
94 7.9 9.6 14.4#  
80 7.9 9.8 14.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. -0.01 min  
Lab File: BF111660.D  
Acq: 21 Dec 2018 1:09

Tgt Ion:240 Resp: 486838  
Ion Ratio Lower Upper  
240 100  
120 11.2 12.2 18.2#  
236 26.1 20.2 30.2





#79

Terphenyl-d14

Concen: 4.706 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111660.D

Acq: 21 Dec 2018 1:09

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-0006-01

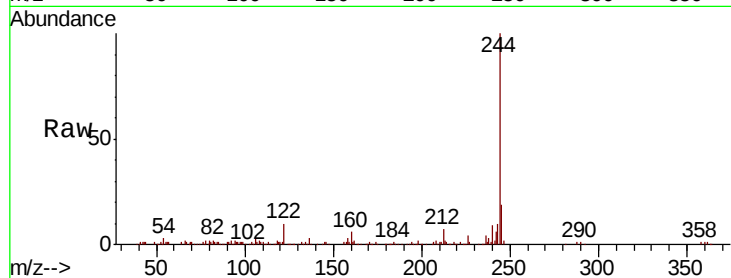
Tgt Ion:244 Resp: 120802

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 10.0 13.1 19.7#

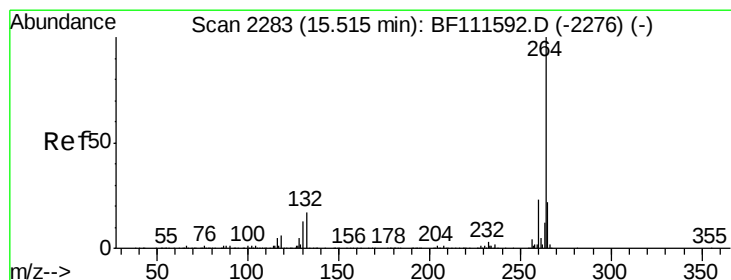
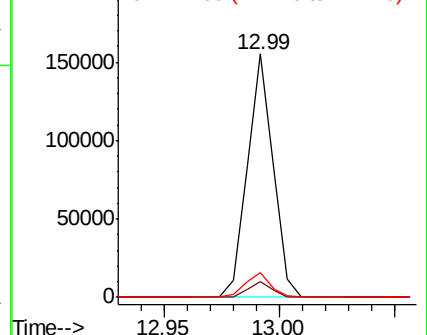
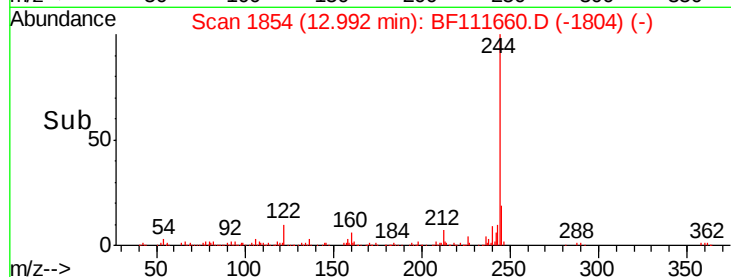


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111660.D

Acq: 21 Dec 2018 1:09

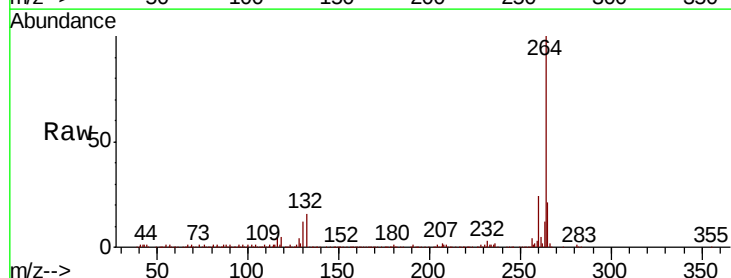
Tgt Ion:264 Resp: 372755

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 21.4 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

