

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
 Data File : BF118230.D  
 Acq On : 17 Dec 2019 17:02  
 Operator : JU  
 Sample : K6299-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SHORE-RD-BH-02

Quant Time: Dec 18 05:48:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 17:34:43 2019  
 Response via : Initial Calibration

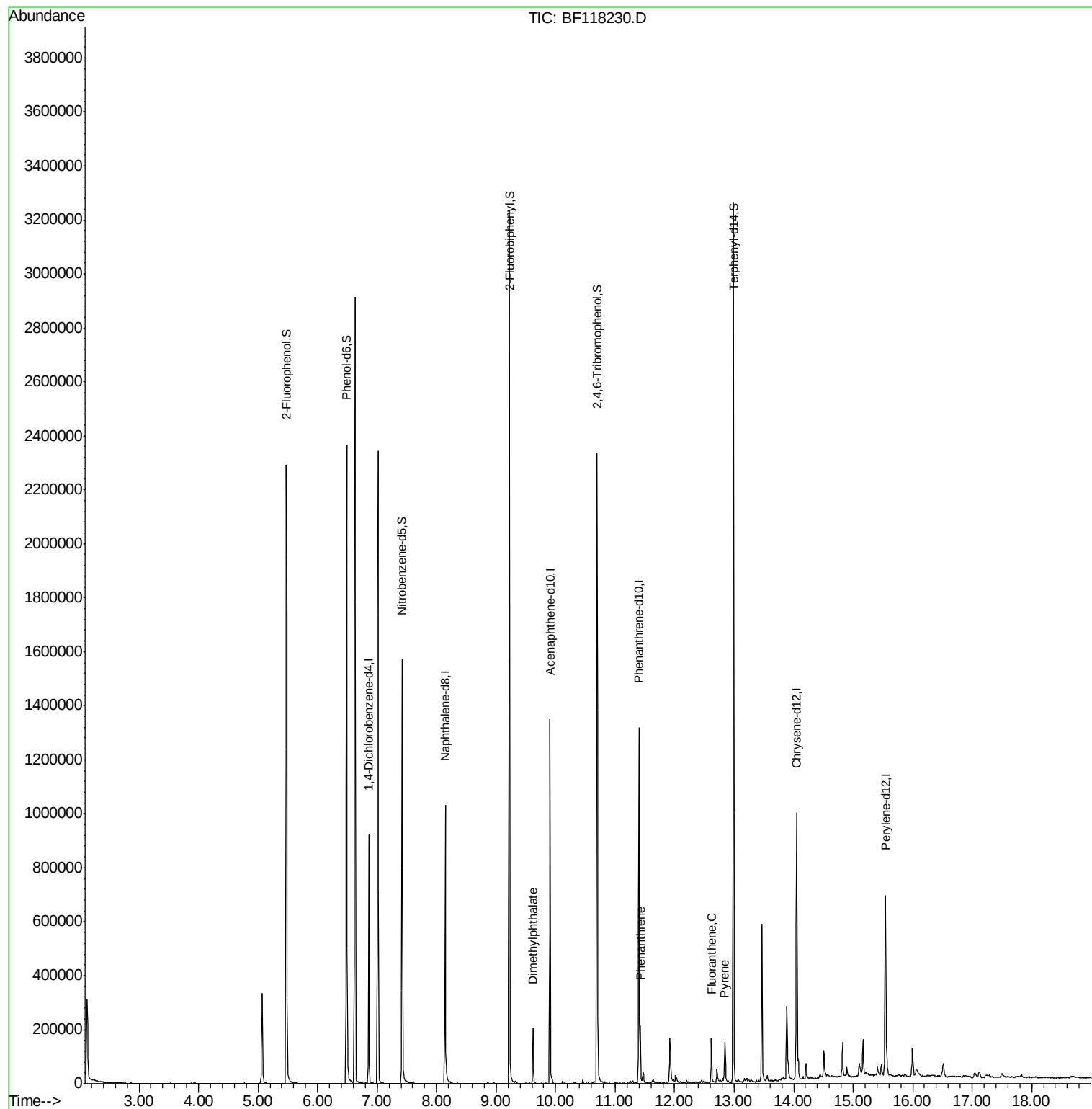
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 125638   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.15  | 136  | 502823   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.90  | 164  | 273980   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.40 | 188  | 498617   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.05 | 240  | 306236   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 15.54 | 264  | 311287   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 655938   | 91.44 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 836867   | 96.45 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 498568   | 55.78 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.70 | 330  | 284064   | 85.35 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.22  | 172  | 1005489  | 55.84 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.99 | 244  | 1083976  | 60.87 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 9.62  | 163  | 92276    | 4.560 | ng    | 98       |
| 71) Phenanthrene            | 11.42 | 178  | 70350    | 2.654 | ng    | 99       |
| 75) Fluoranthene            | 12.62 | 202  | 71908    | 2.653 | ng    | 99       |
| 78) Pyrene                  | 12.85 | 202  | 67271    | 2.788 | ng    | 97       |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118230.D  
Acq On : 17 Dec 2019 17:02  
Operator : JU  
Sample : K6299-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SHORE-RD-BH-02

Quant Time: Dec 18 05:48:22 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 06 17:34:43 2019  
Response via : Initial Calibration



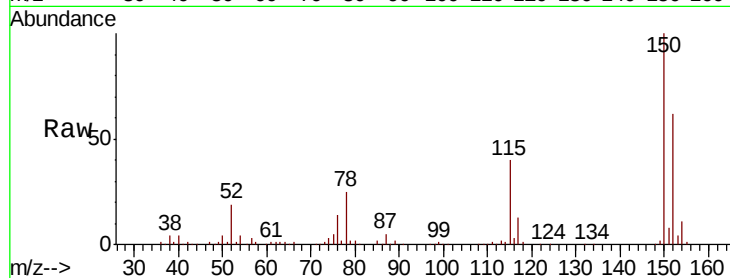


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.86 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SHORE-RD-BH-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.2 | 128.3 | 192.5 |
| 115     | 64.1  | 51.1  | 76.7  |

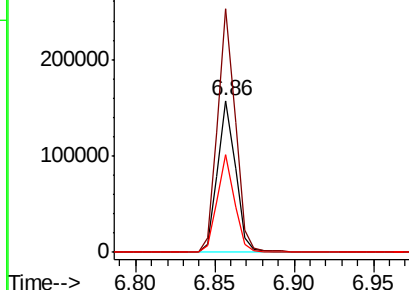
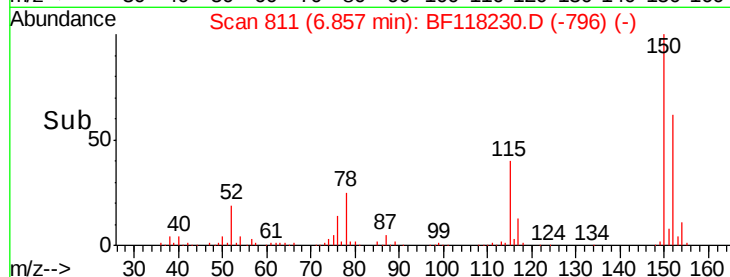


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

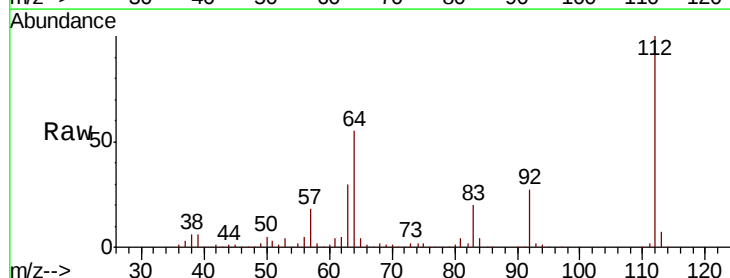
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 91.441 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. -0.01 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.8  | 41.3  | 61.9  |
| 63      | 30.3  | 22.4  | 33.6  |

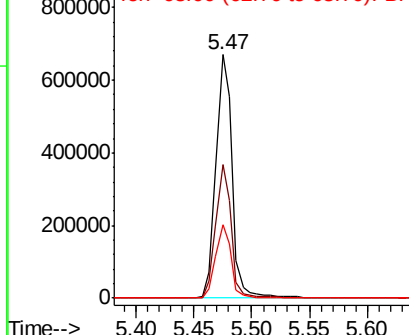
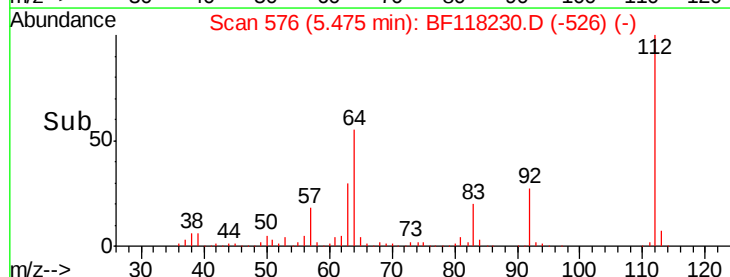


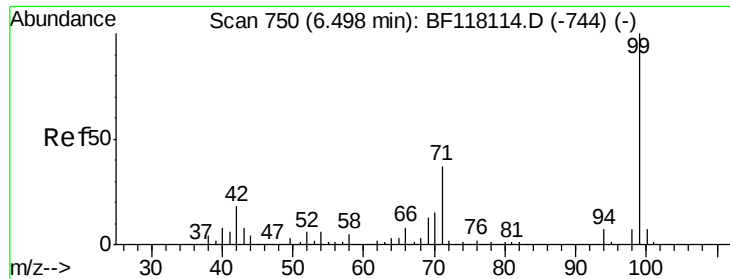
Abundance

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: 96.454 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Instrument :

BNA\_F

ClientSampleId :

SHORE-RD-BH-02

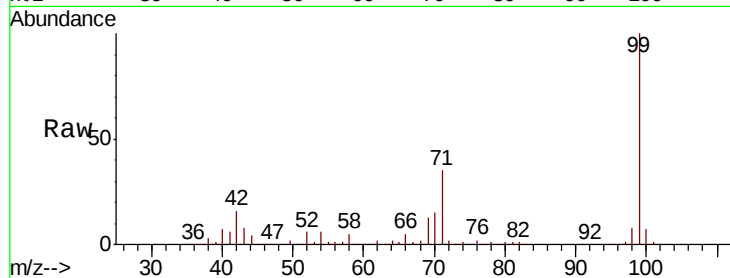
Tot Ion: 99 Resp: 836867

Ion Ratio Lower Upper

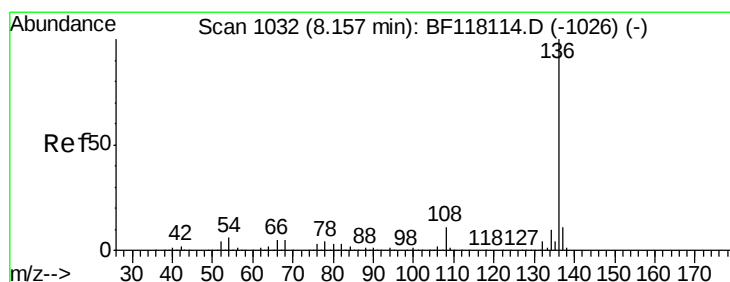
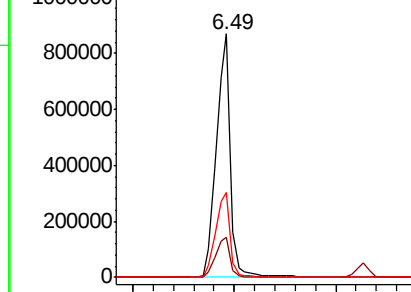
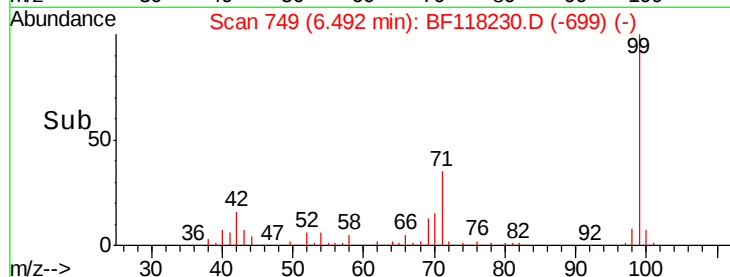
99 100

42 16.3 14.1 21.1

71 35.1 29.7 44.5



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Tgt Ion: 136 Resp: 502823

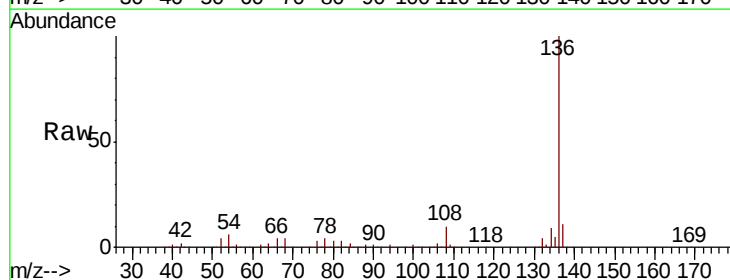
Ion Ratio Lower Upper

136 100

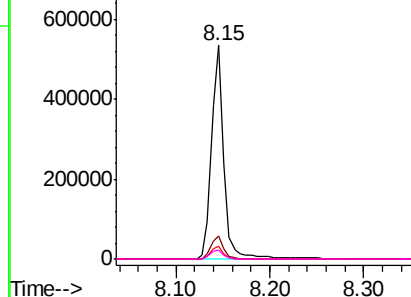
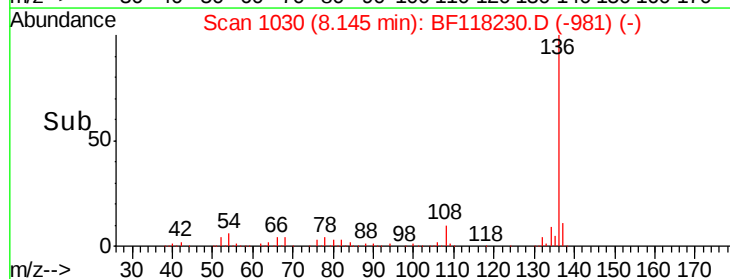
137 10.9 9.0 13.6

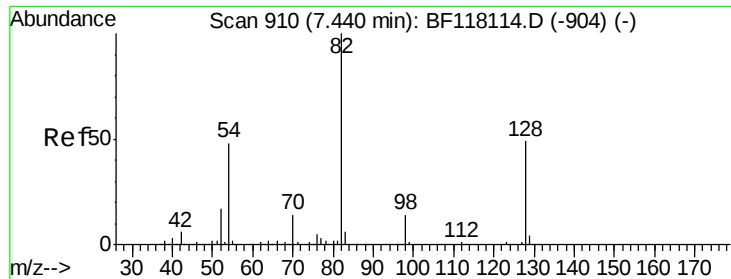
54 5.9 5.0 7.6

68 4.1 3.8 5.8



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

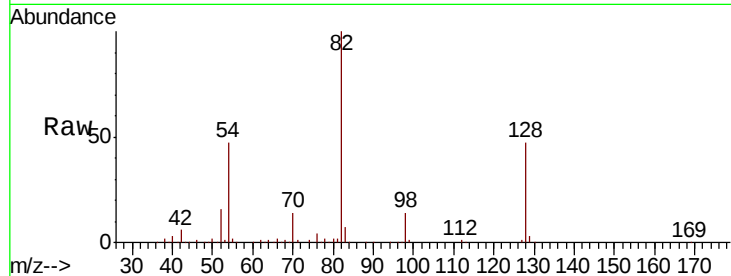




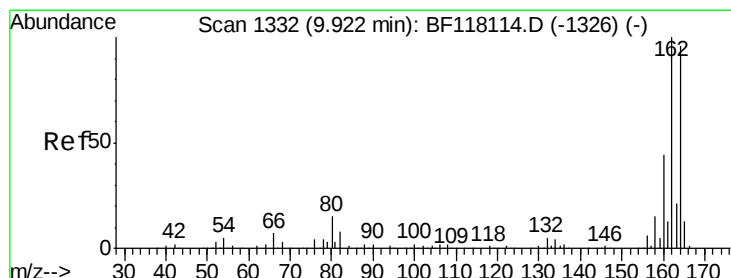
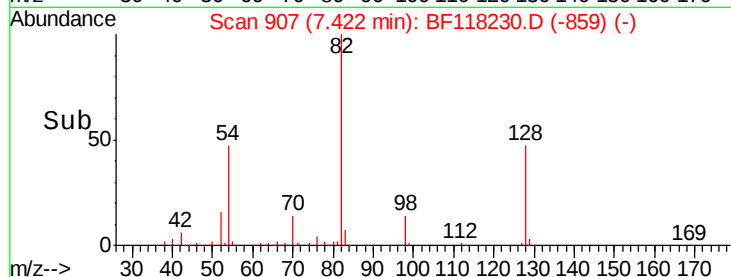
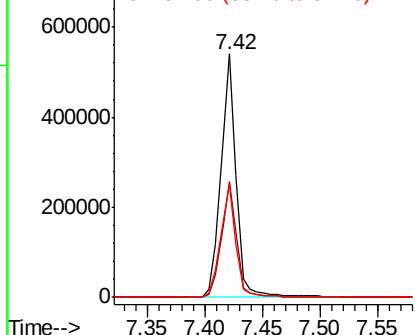
#23  
 Nitrobenzene-d5  
 Concen: 55.782 ng  
 RT: 7.42 min Scan# 907  
 Delta R.T. -0.02 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SHORE-RD-BH-02

Tot Ion: 82 Resp: 498568  
 Ion Ratio Lower Upper  
 82 100  
 128 47.2 39.1 58.7  
 54 46.7 38.2 57.2

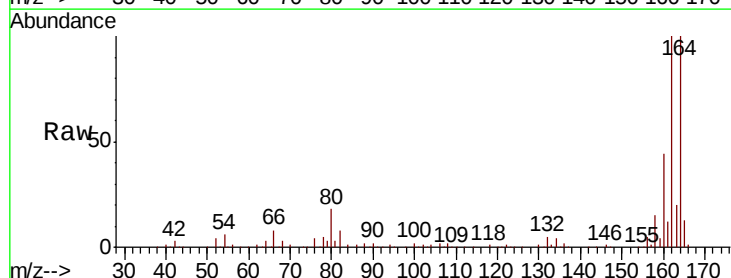


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

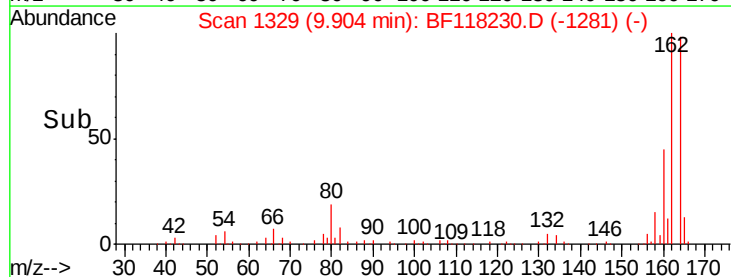
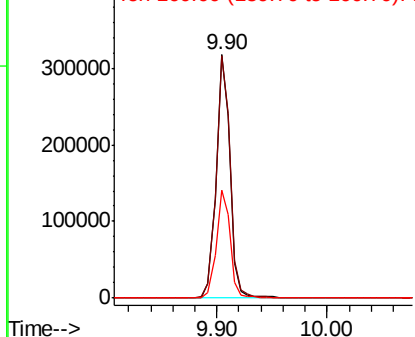


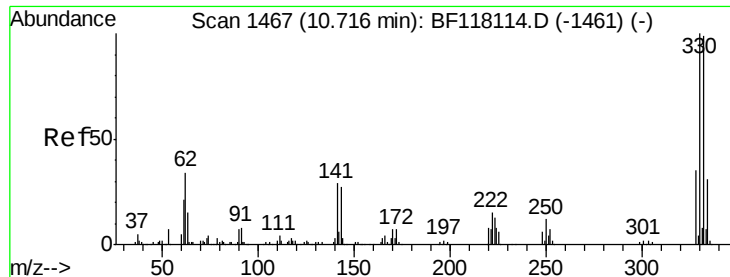
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. -0.02 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

Tgt Ion: 164 Resp: 273980  
 Ion Ratio Lower Upper  
 164 100  
 162 99.6 83.4 125.0  
 160 44.4 36.6 54.8



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

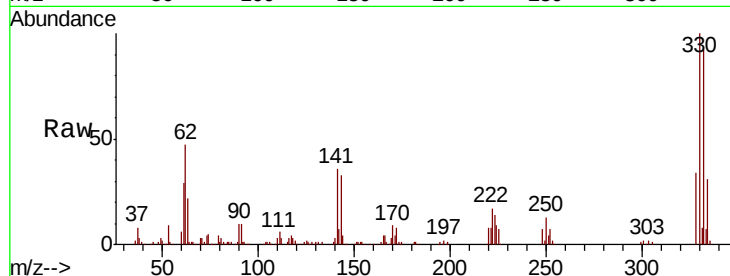




#42  
 2,4,6-Tribromophenol  
 Concen: 85.347 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.02 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SHORE-RD-BH-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 78.1  | 117.1 |
| 141     | 33.4  | 26.9  | 40.3  |

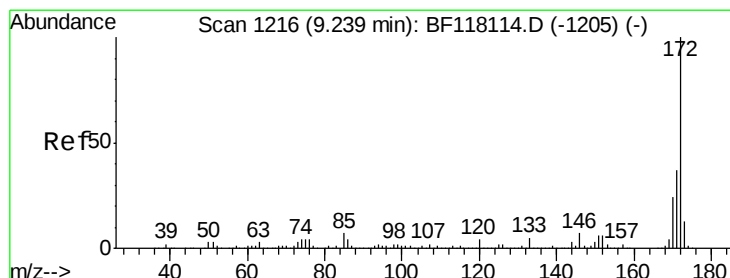
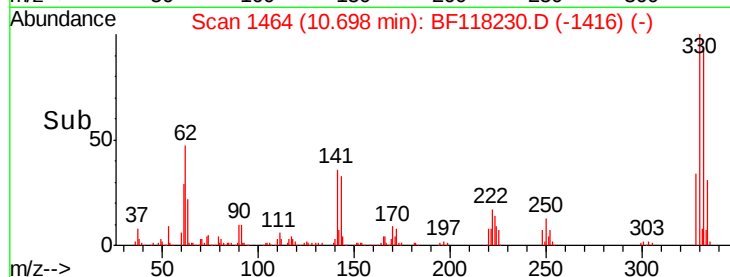
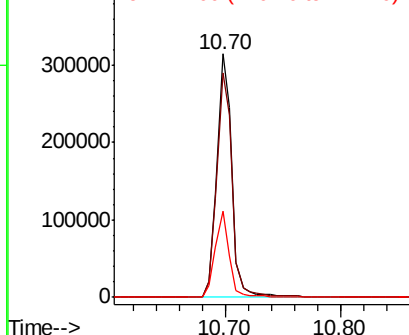


Abundance

Ion 329.80 (329.50 to 330.50): E

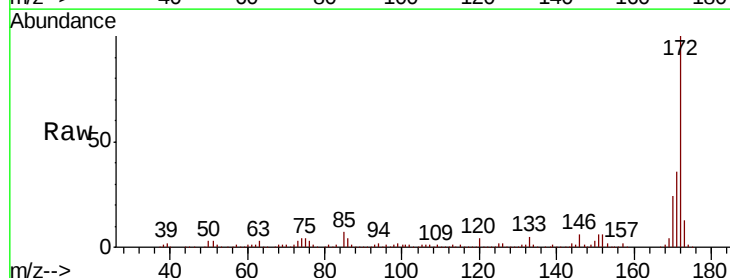
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 55.843 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.02 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.2  | 43.8  |
| 170     | 23.5  | 19.4  | 29.2  |

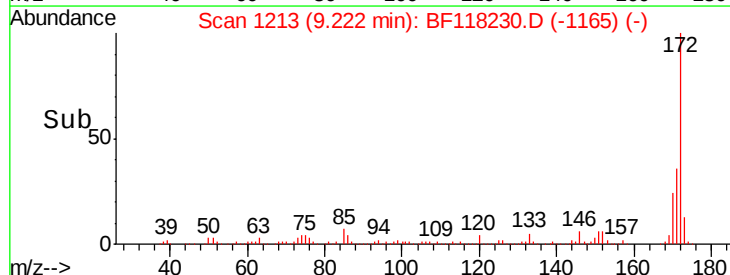
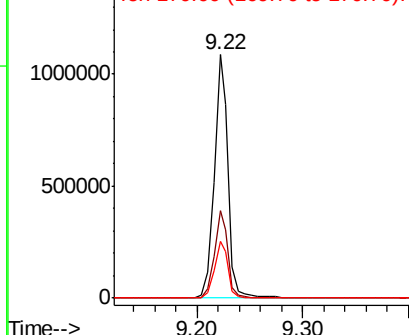


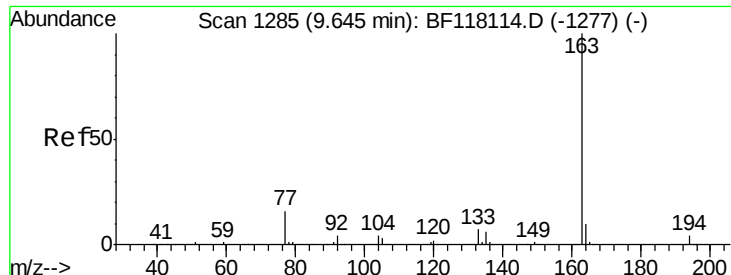
Abundance

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

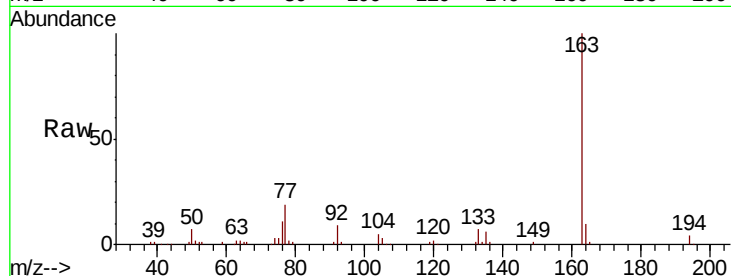




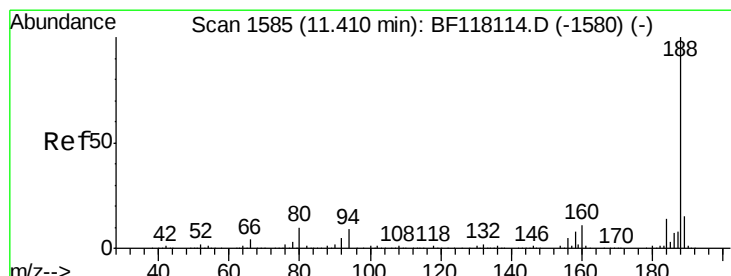
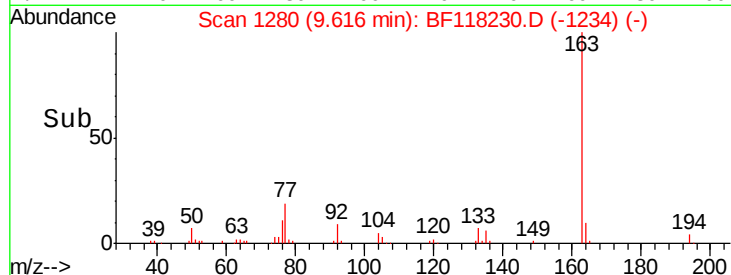
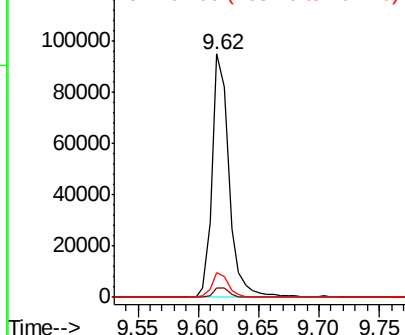
#50  
 Dimethylphthalate  
 Concen: 4.560 ng  
 RT: 9.62 min Scan# 1280  
 Delta R.T. -0.03 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SHORE-RD-BH-02

Tot Ion:163 Resp: 92276  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 3.1 4.7  
 164 10.4 7.7 11.5

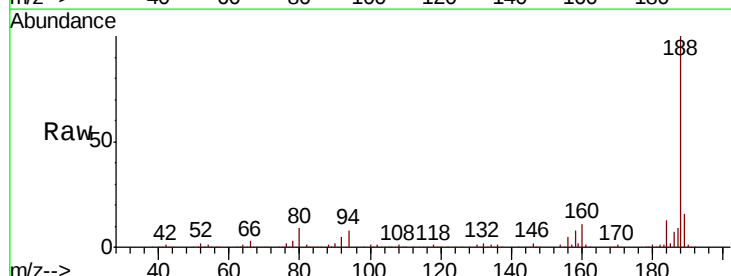


Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

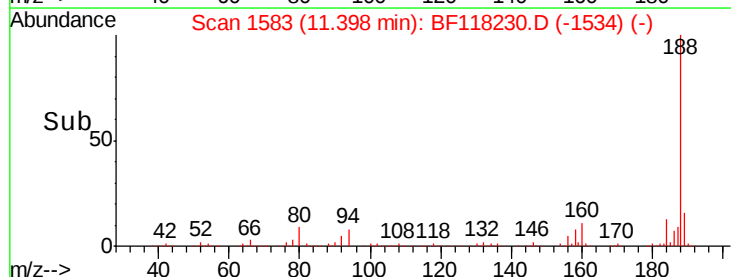
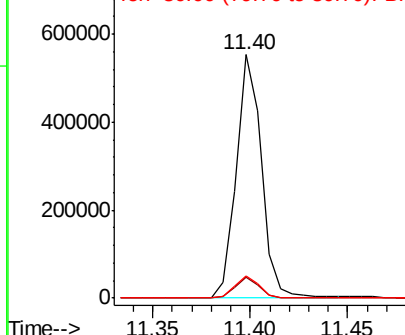


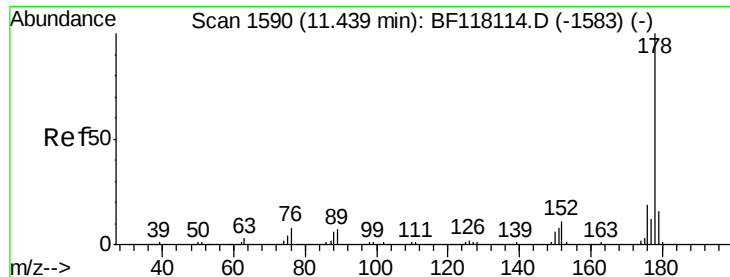
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF118230.D  
 Acq: 17 Dec 2019 17:02

Tgt Ion:188 Resp: 498617  
 Ion Ratio Lower Upper  
 188 100  
 94 8.3 7.1 10.7  
 80 9.1 7.9 11.9



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

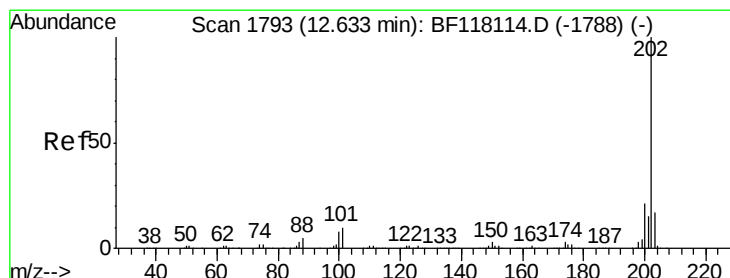
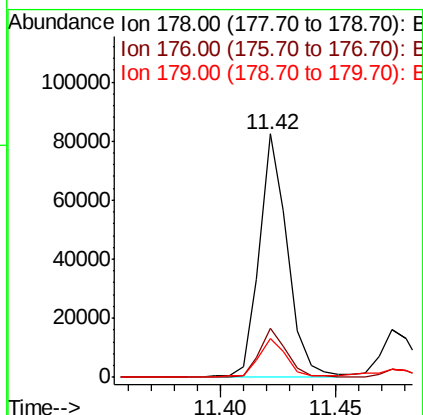
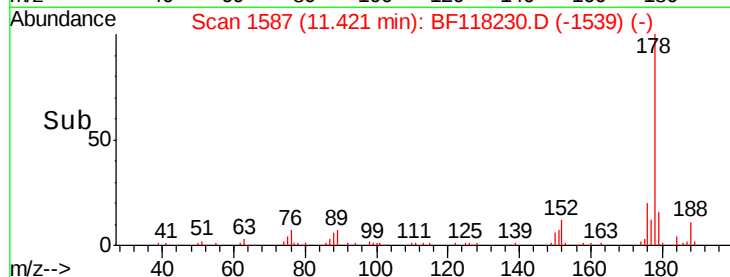
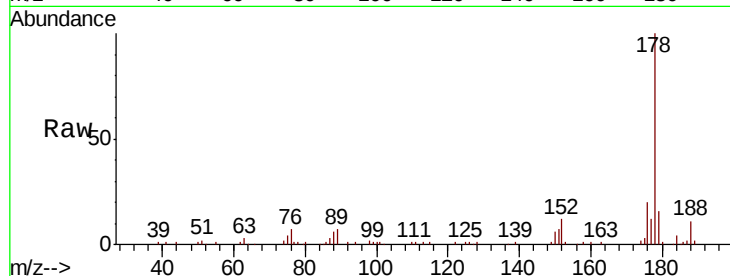




#71  
Phenanthrene  
Concen: 2.654 ng  
RT: 11.42 min Scan# 1587  
Delta R.T. -0.02 min  
Lab File: BF118230.D  
Acq: 17 Dec 2019 17:02

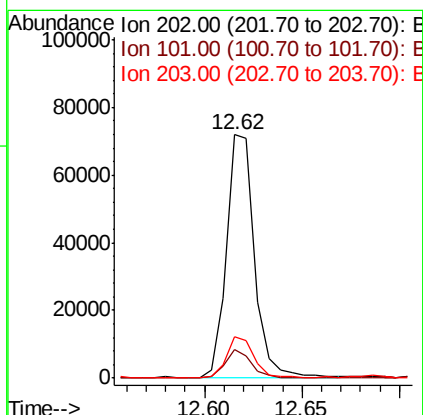
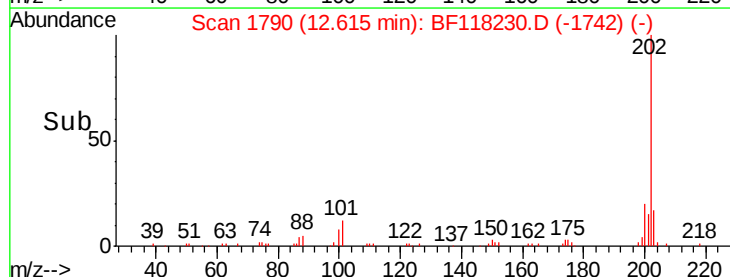
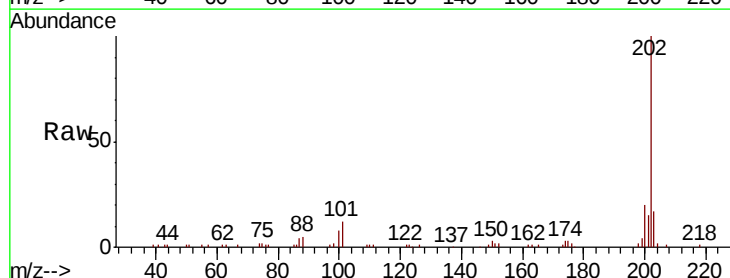
Instrument :  
BNA\_F  
ClientSampleId :  
SHORE-RD-BH-02

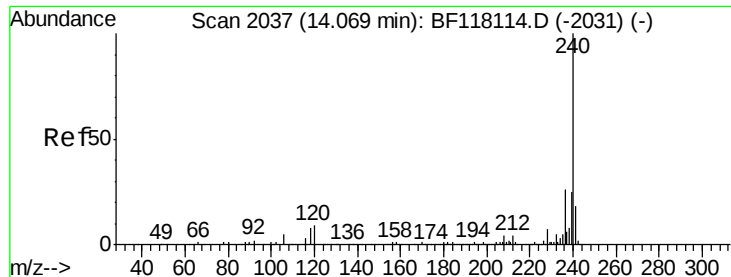
Tot Ion:178 Resp: 70350  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.5 23.3  
179 16.0 12.6 18.8



#75  
Fluoranthene  
Concen: 2.653 ng  
RT: 12.62 min Scan# 1790  
Delta R.T. -0.02 min  
Lab File: BF118230.D  
Acq: 17 Dec 2019 17:02

Tgt Ion:202 Resp: 71908  
Ion Ratio Lower Upper  
202 100  
101 11.8 0.0 30.4  
203 17.2 0.0 37.2

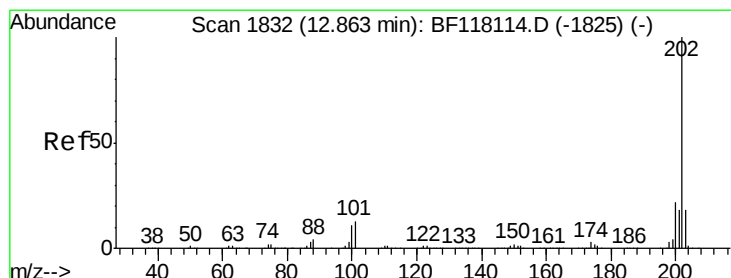
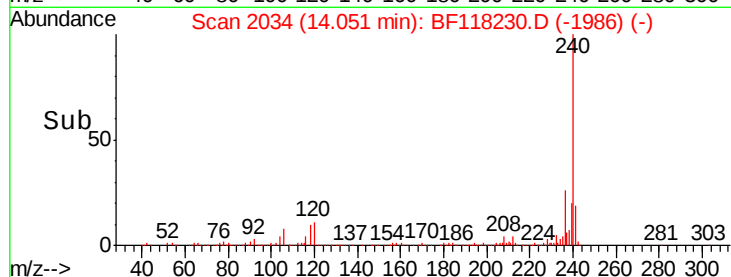
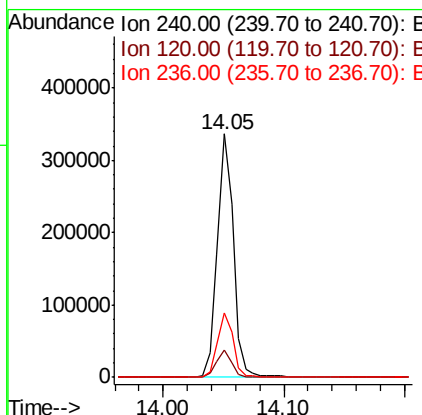
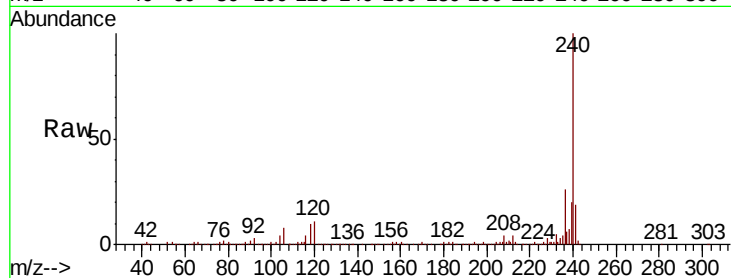




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.02 min  
Lab File: BF118230.D  
Acq: 17 Dec 2019 17:02

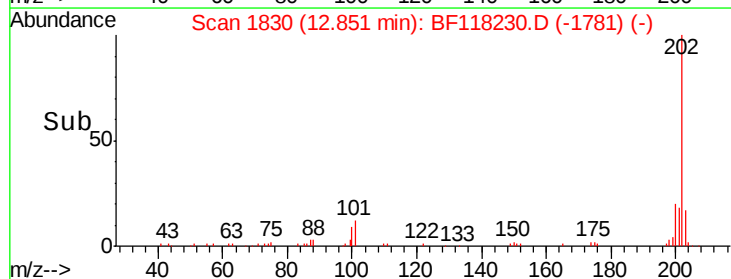
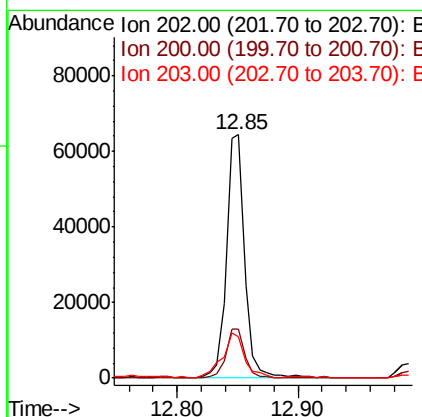
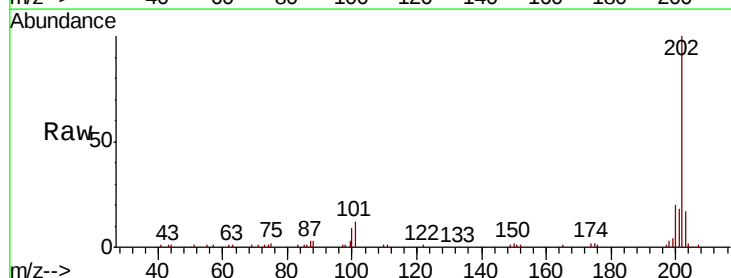
Instrument :  
BNA\_F  
ClientSampleId :  
SHORE-RD-BH-02

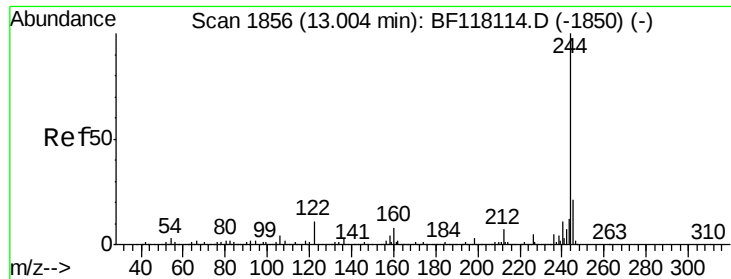
Tot Ion:240 Resp: 306236  
Ion Ratio Lower Upper  
240 100  
120 11.0 7.1 10.7#  
236 26.3 21.0 31.6



#78  
Pyrene  
Concen: 2.788 ng  
RT: 12.85 min Scan# 1830  
Delta R.T. -0.01 min  
Lab File: BF118230.D  
Acq: 17 Dec 2019 17:02

Tgt Ion:202 Resp: 67271  
Ion Ratio Lower Upper  
202 100  
200 19.9 17.5 26.3  
203 17.1 14.6 21.8





#79

Terphenyl-d14

Concen: 60.869 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Instrument :

BNA\_F

ClientSampleId :

SHORE-RD-BH-02

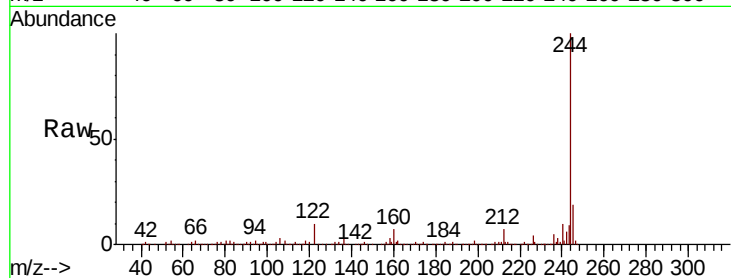
Tot Ion:244 Resp: 1083976

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

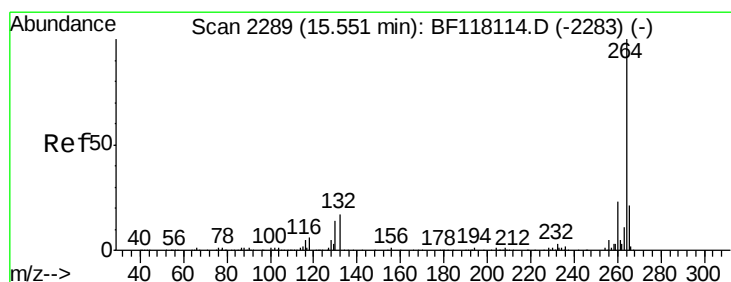
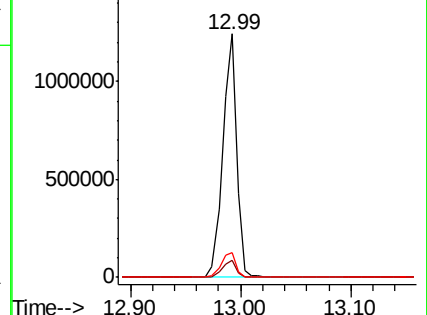
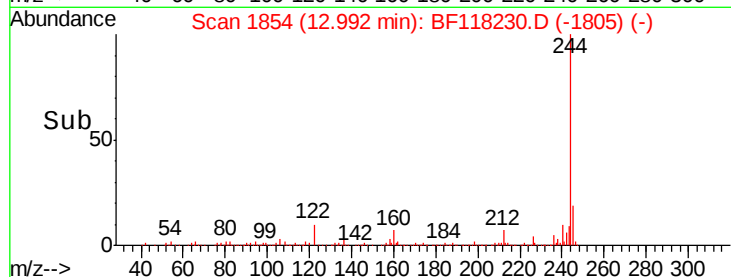
122 10.0 9.0 13.6



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: 15.54 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

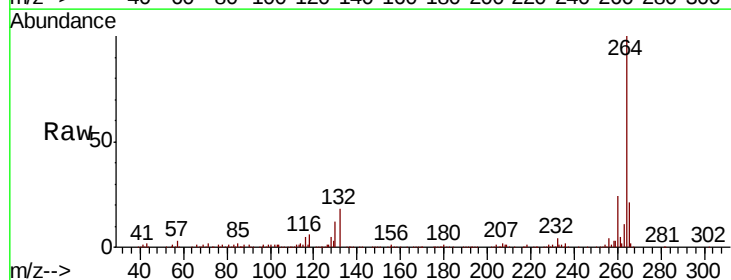
Tgt Ion:264 Resp: 311287

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 20.6 16.8 25.2



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

