

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\  
 Data File : BF111486.D  
 Acq On : 16 Dec 2018 00:42  
 Operator : JU/SJ  
 Sample : J6341-04  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 121018-JETT-F-D-S

Quant Time: Dec 16 02:57:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 162451   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 638668   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.83  | 164  | 300247   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.31 | 188  | 443897   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.95 | 240  | 421608   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.39 | 264  | 303683   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 354340   | 36.30 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 295163   | 22.73 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 909789   | 84.83 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 163056   | 60.63 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 1858196  | 95.60 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.90 | 244  | 1413485  | 78.73 | ng    | 0.00     |

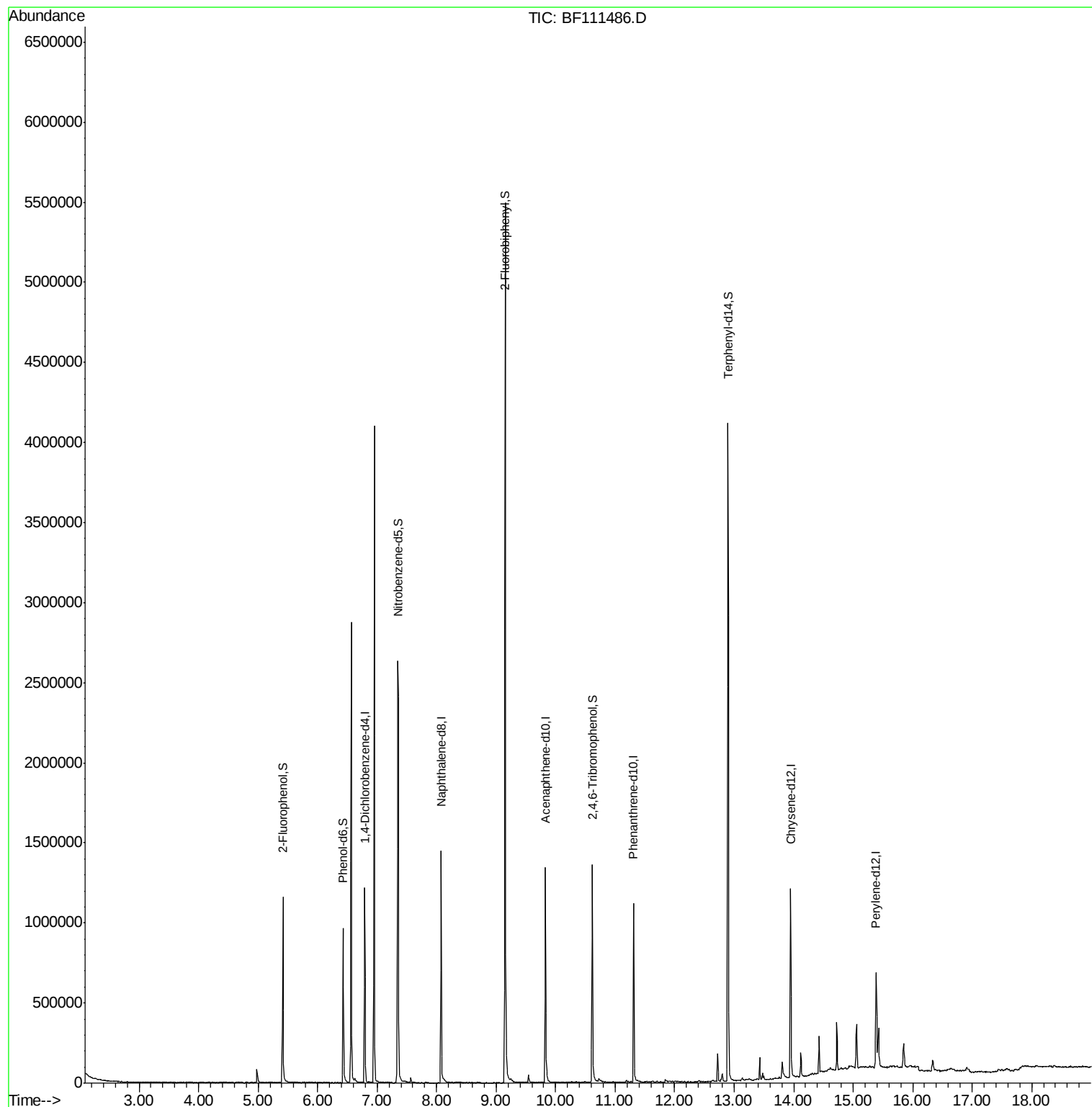
Target Compounds Qvalue

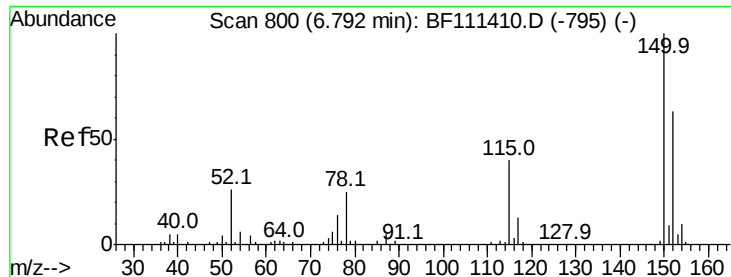
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 28 Sample Multiplier: 1

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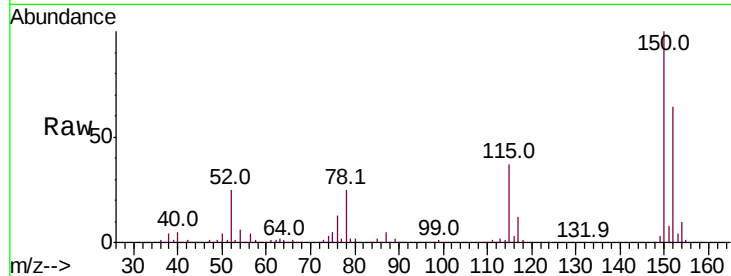


#1

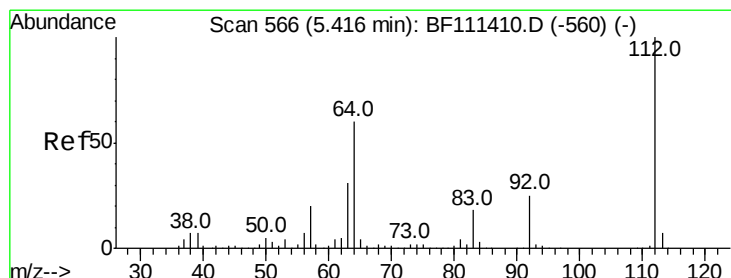
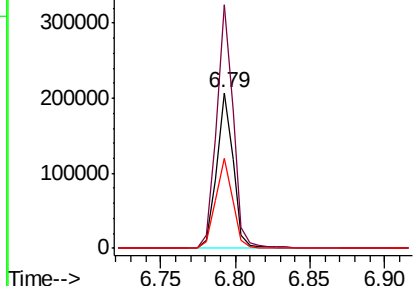
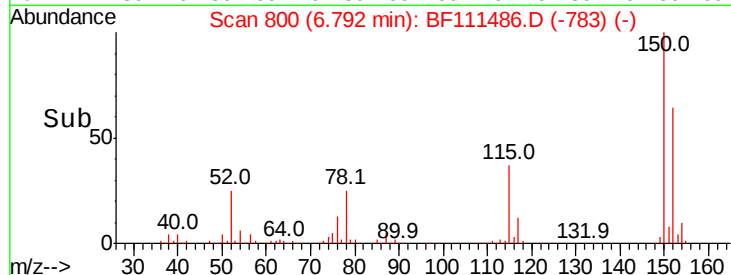
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.00 min  
Lab File: BF111486.D  
Acq: 16 Dec 2018 00:42

Instrument :  
BNA\_F  
ClientSampleId :  
121018-JETT-F-D-S

Tot Ion:152 Resp: 162451  
Ion Ratio Lower Upper  
152 100  
150 156.1 126.6 189.8  
115 57.8 50.7 76.1



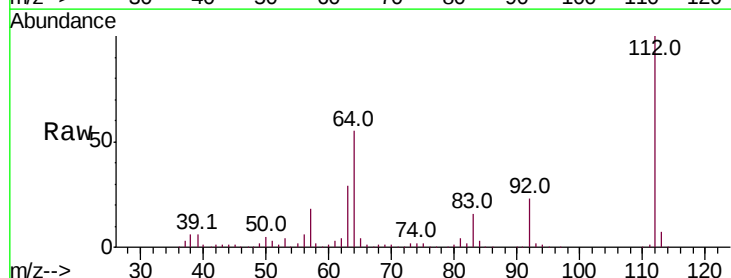
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



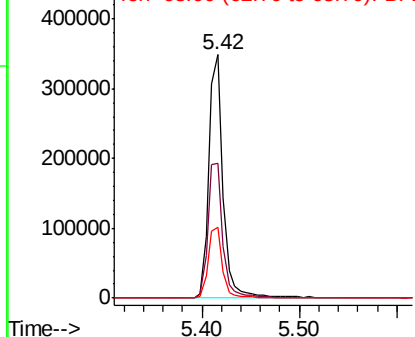
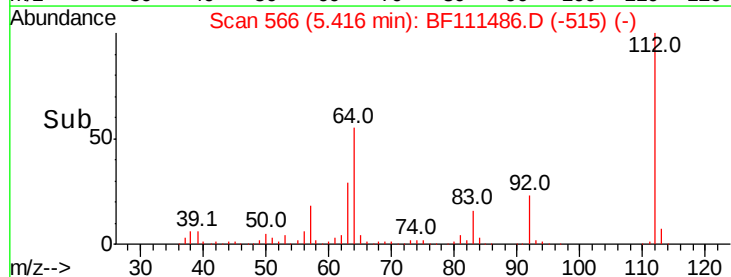
#5

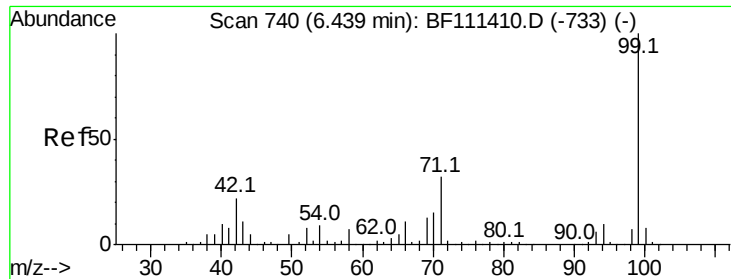
2-Fluorophenol  
Concen: 36.297 ng  
RT: 5.42 min Scan# 566  
Delta R.T. 0.00 min  
Lab File: BF111486.D  
Acq: 16 Dec 2018 00:42

Tgt Ion:112 Resp: 354340  
Ion Ratio Lower Upper  
112 100  
64 55.4 51.8 77.6  
63 29.1 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: 22.730 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111486.D

Acq: 16 Dec 2018 00:42

Instrument :

BNA\_F

ClientSampleId :

121018-JETT-F-D-S

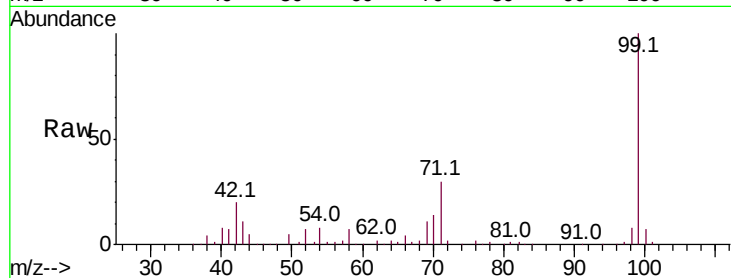
Tot Ion: 99 Resp: 295163

Ion Ratio Lower Upper

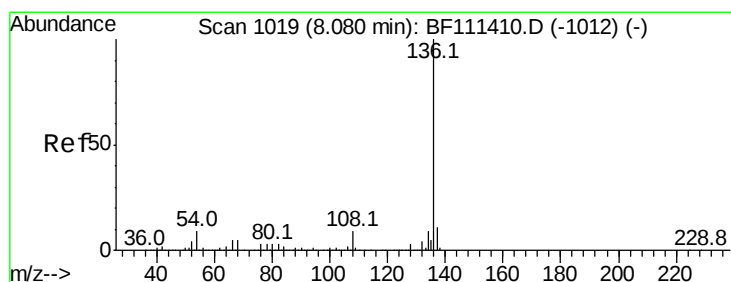
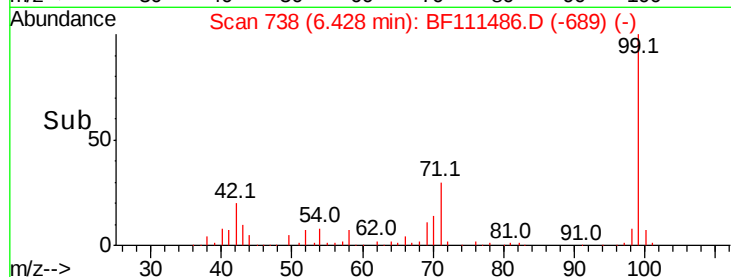
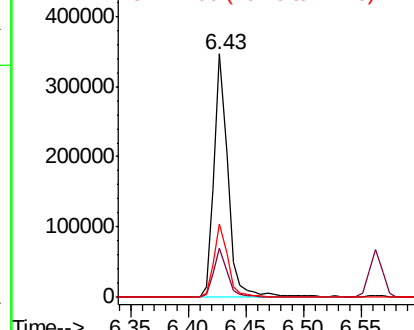
99 100

42 20.4 17.4 26.0

71 30.3 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: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111486.D

Acq: 16 Dec 2018 00:42

Tgt Ion: 136 Resp: 638668

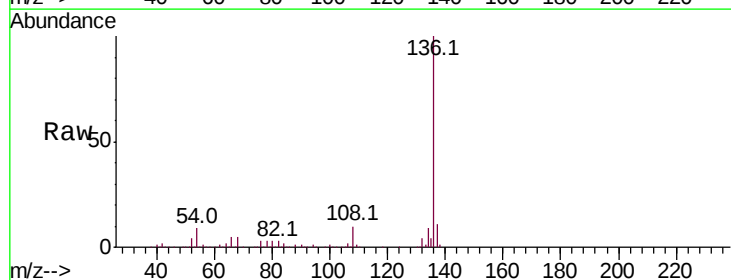
Ion Ratio Lower Upper

136 100

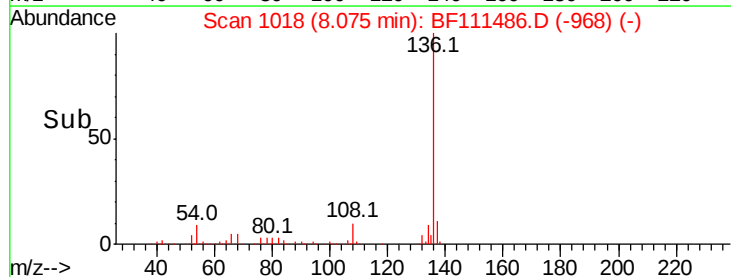
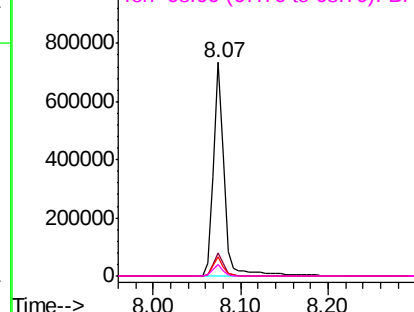
137 11.1 9.1 13.7

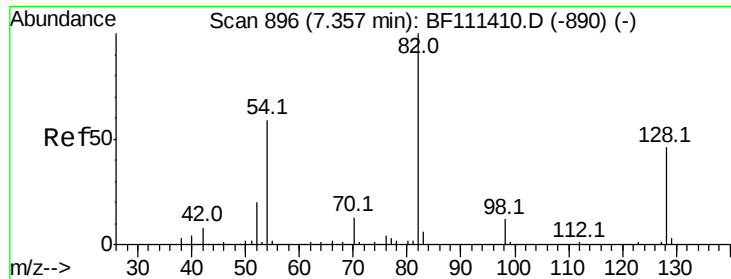
54 9.1 7.7 11.5

68 5.5 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

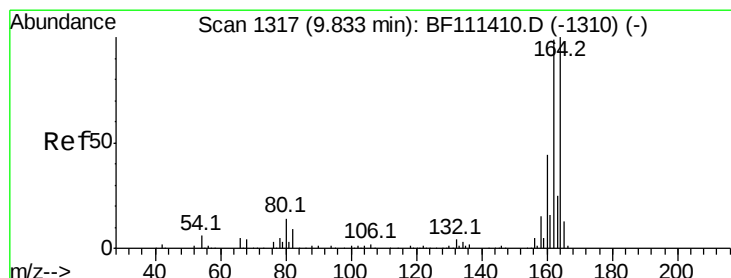
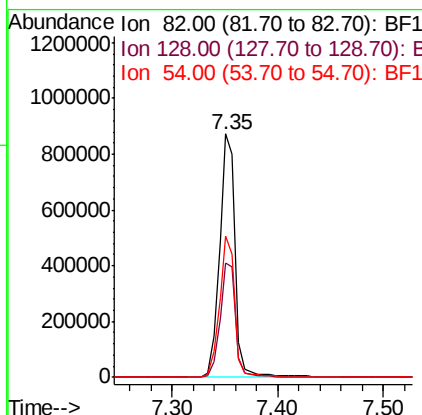
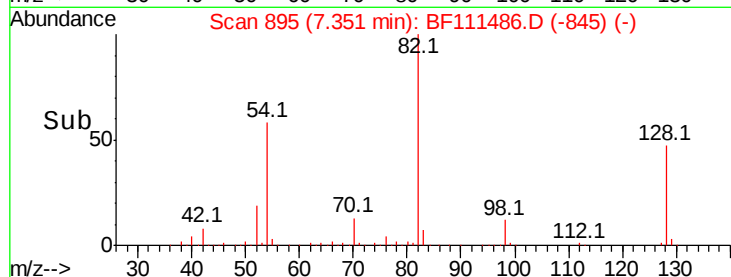
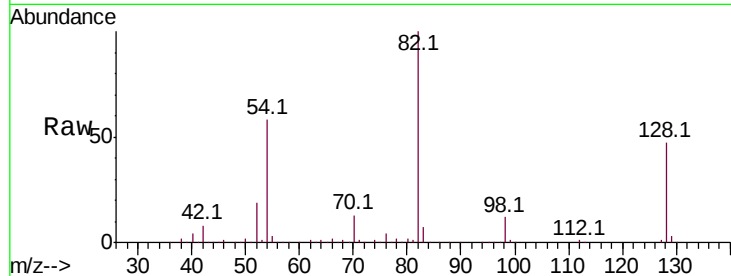




#23  
 Nitrobenzene-d5  
 Concen: 84.828 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.01 min  
 Lab File: BF111486.D  
 Acq: 16 Dec 2018 00:42

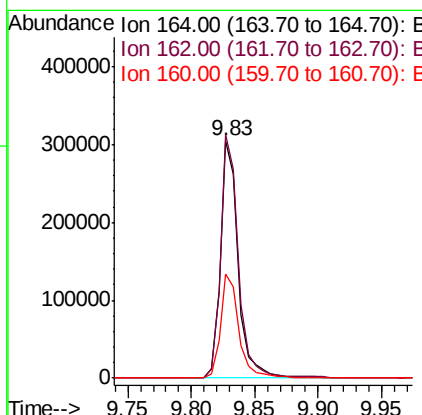
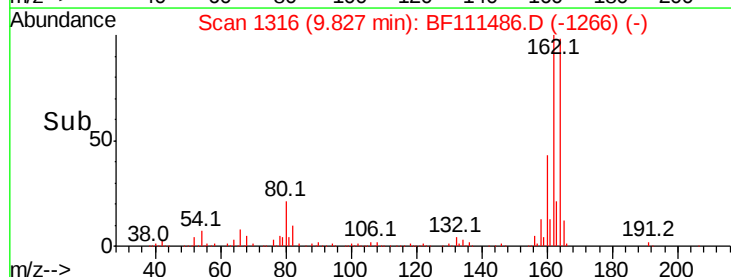
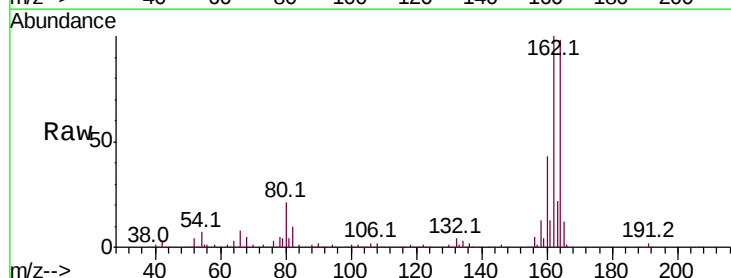
Instrument :  
 BNA\_F  
 ClientSampleId :  
 121018-JETT-F-D-S

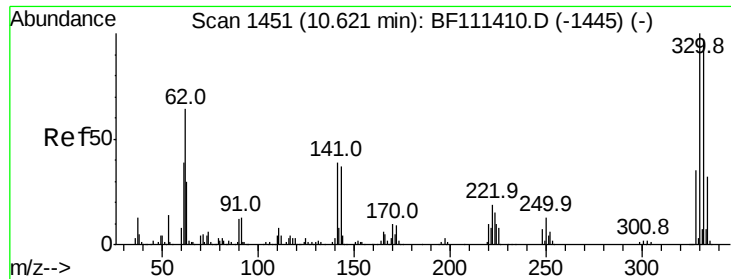
| Tot Ion   | 82   | Resp  | 909789 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.9 | 37.4  | 56.2   |
| 54        | 58.0 | 47.6  | 71.4   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: BF111486.D  
 Acq: 16 Dec 2018 00:42

| Tgt Ion   | 164   | Resp  | 300247 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.5 | 81.4  | 122.0  |
| 160       | 43.8  | 35.7  | 53.5   |

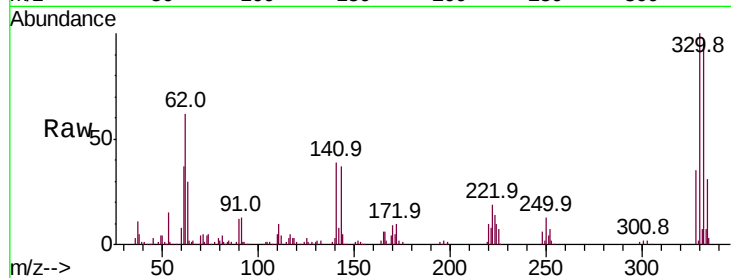




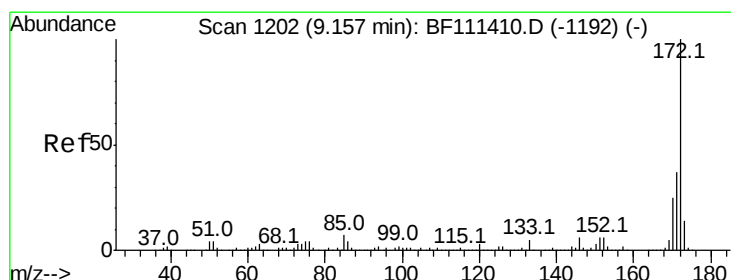
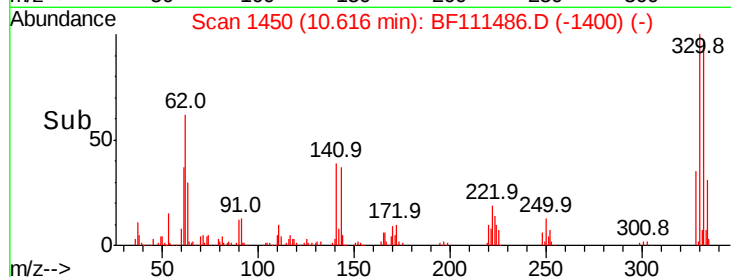
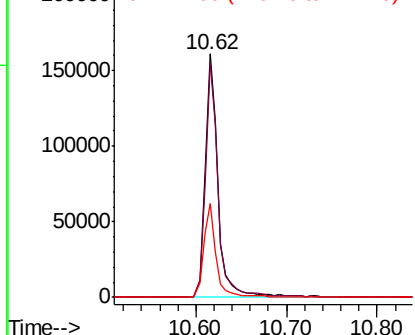
#42  
 2,4,6-Tribromophenol  
 Concen: 60.625 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF111486.D  
 Acq: 16 Dec 2018 00:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 121018-JETT-F-D-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 76.0  | 114.0 |
| 141     | 37.5  | 31.0  | 46.6  |

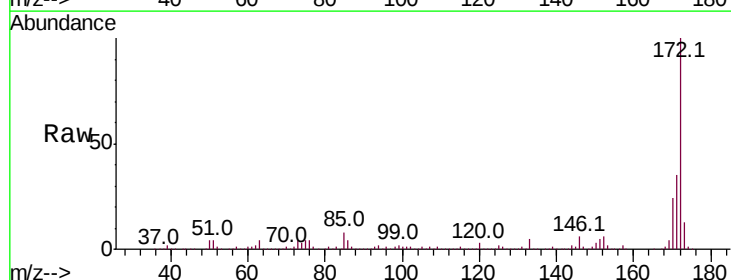


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

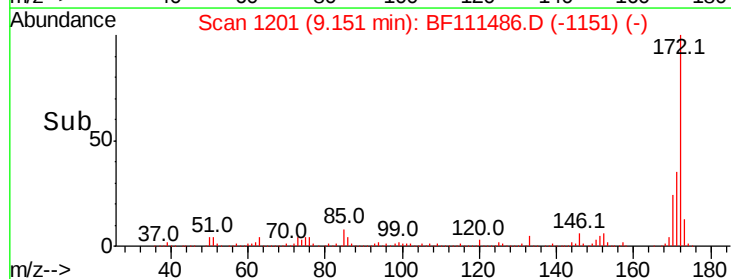
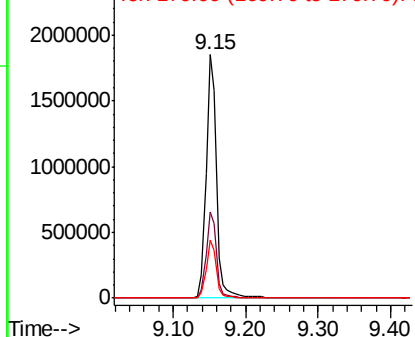


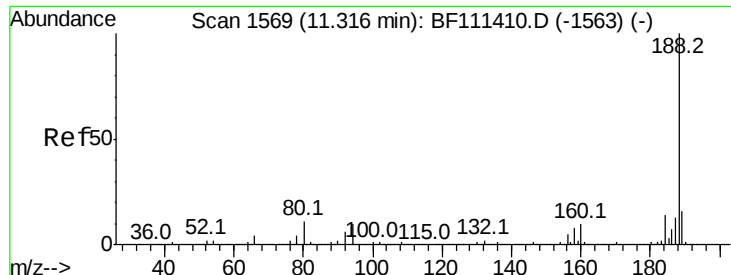
#45  
 2-Fluorobiphenyl  
 Concen: 95.596 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF111486.D  
 Acq: 16 Dec 2018 00:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 33.0  | 49.4  |
| 170     | 23.9  | 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

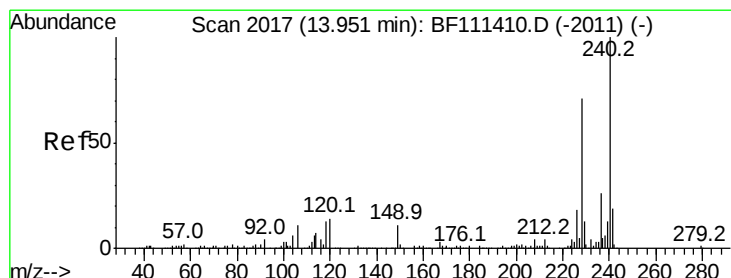
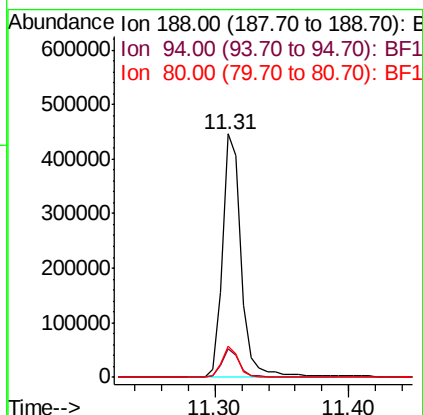
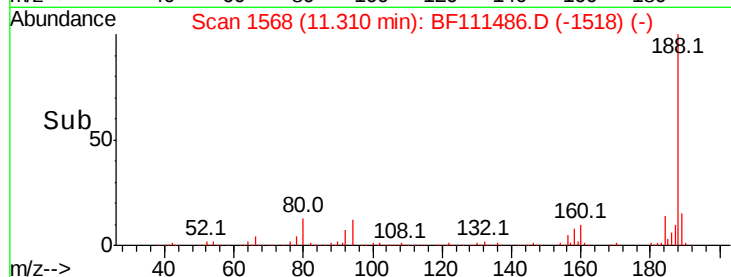
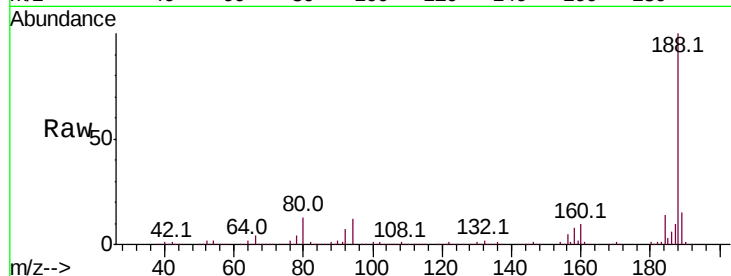




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.01 min  
Lab File: BF111486.D  
Acq: 16 Dec 2018 00:42

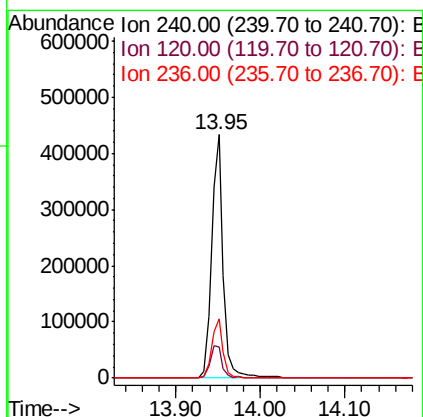
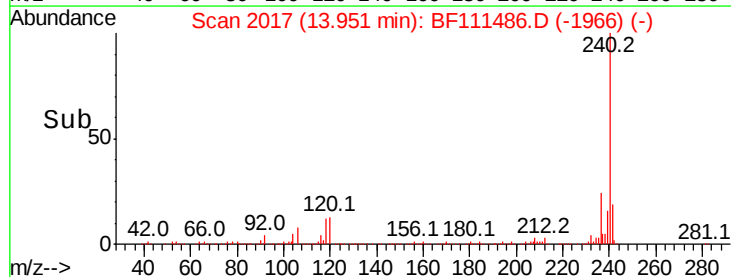
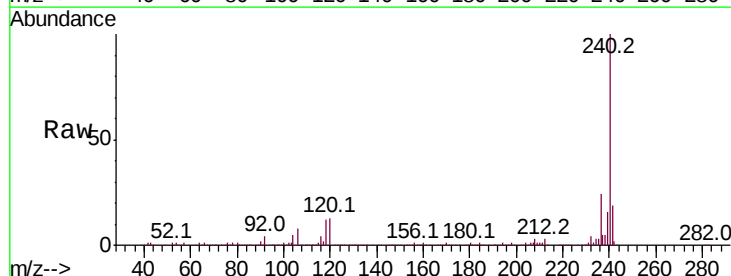
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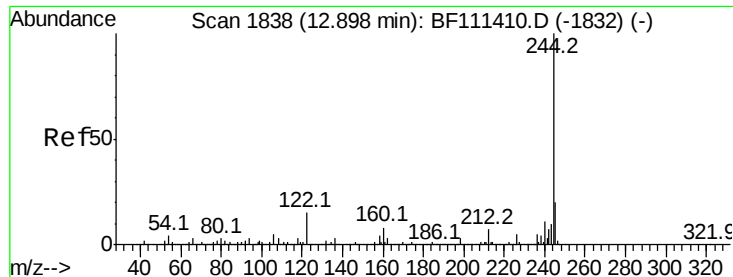
Tot Ion:188 Resp: 443897  
Ion Ratio Lower Upper  
188 100  
94 11.9 9.6 14.4  
80 13.0 9.8 14.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. -0.00 min  
Lab File: BF111486.D  
Acq: 16 Dec 2018 00:42

Tgt Ion:240 Resp: 421608  
Ion Ratio Lower Upper  
240 100  
120 12.9 12.2 18.2  
236 24.2 20.2 30.2



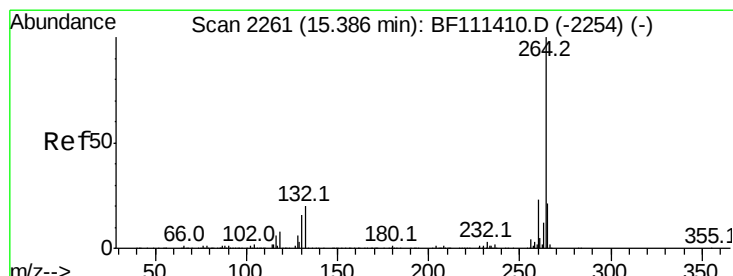
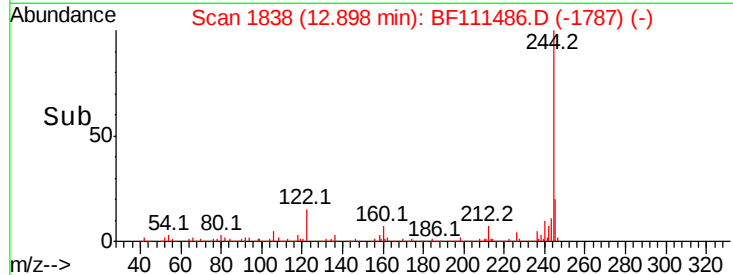
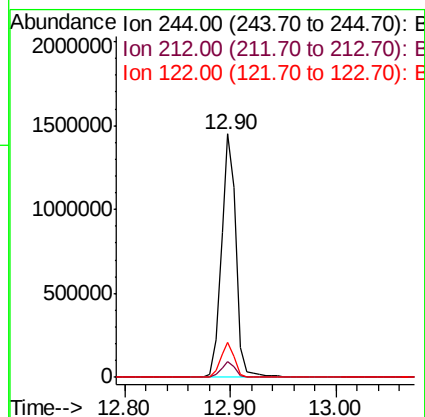
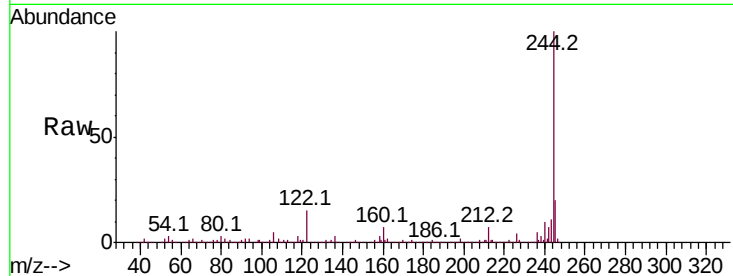


#79  
 Terphenyl-d14  
 Concen: 78.727 ng  
 RT: 12.90 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: BF111486.D  
 Acq: 16 Dec 2018 00:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 121018-JETT-F-D-S

Tot Ion:244 Resp: 1413485  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.5   | 5.7   | 8.5   |
| 122 | 14.6  | 13.1  | 19.7  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.39 min Scan# 2261  
 Delta R.T. -0.00 min  
 Lab File: BF111486.D  
 Acq: 16 Dec 2018 00:42

Tgt Ion:264 Resp: 303683  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 18.3  | 27.5  |
| 265 | 21.0  | 17.7  | 26.5  |

