

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN111318\  
 Data File : BN003518.D  
 Acq On : 13 Nov 2018 18:56  
 Operator : MJ/SJ  
 Sample : J5916-17  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 110918-JETT-F-D-B

Quant Time: Nov 14 02:40:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 12 15:59:25 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.85  | 152  | 111971   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.65 | 136  | 499728   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.48 | 164  | 296517   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.22 | 188  | 650735   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.40 | 240  | 536227   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 23.72 | 264  | 529560   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 269583   | 43.42 | ng    | 0.00     |
| 7) Phenol-d6                | 7.00  | 99   | 216170   | 25.11 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.02  | 82   | 779603   | 98.20 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.97 | 330  | 430696   | 97.44 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.10 | 172  | 2098688  | 94.47 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.85 | 244  | 2600740  | 95.48 | ng    | 0.00     |

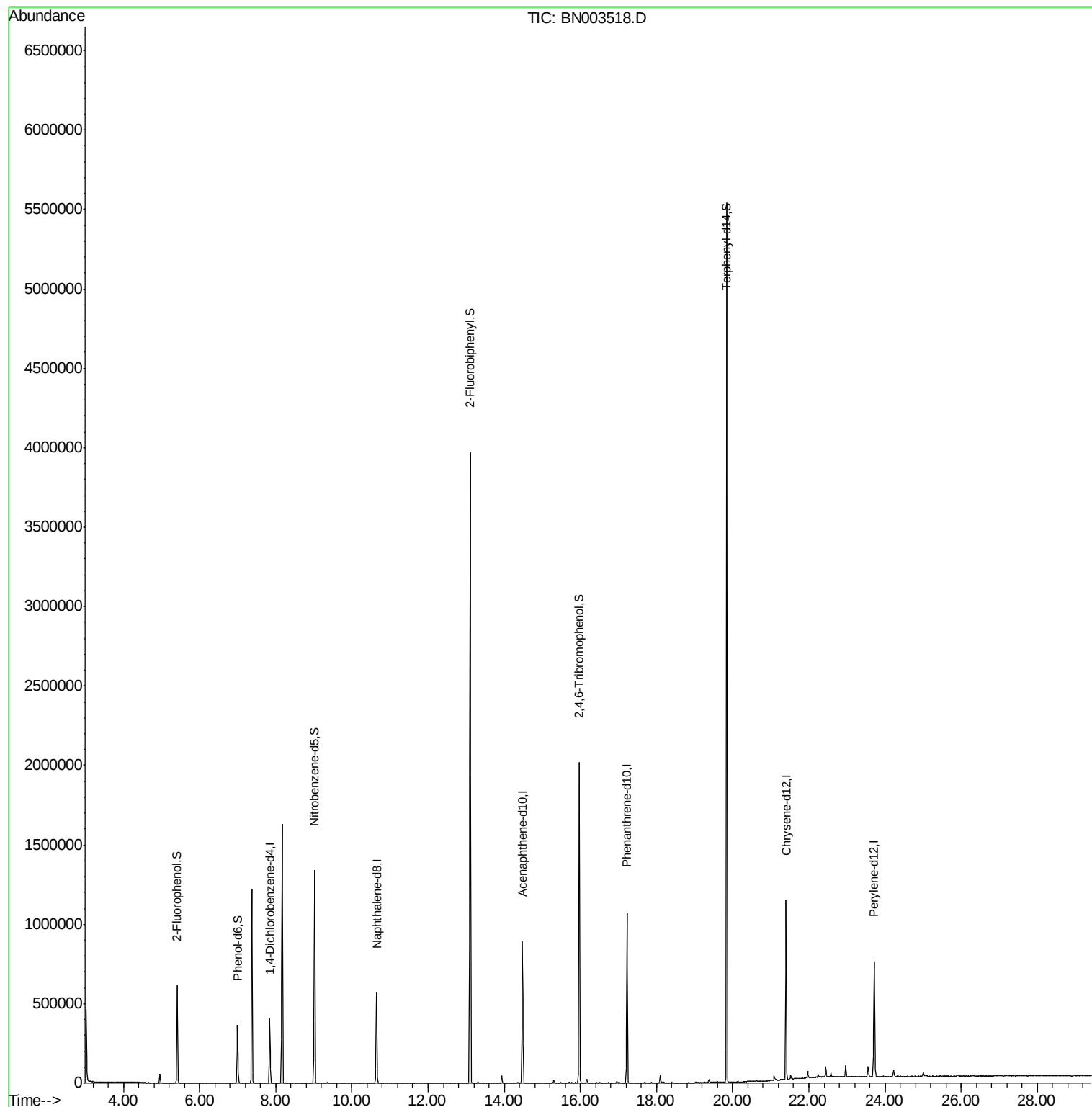
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

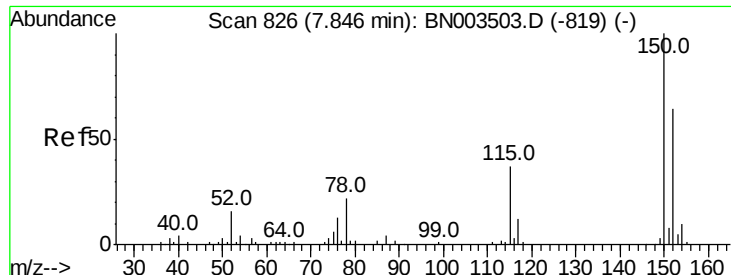
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

Quant Time: Nov 14 02:40:51 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 12 15:59:25 2018  
Response via : Initial Calibration



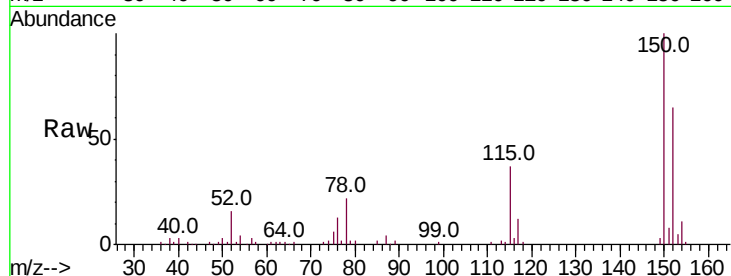


#1

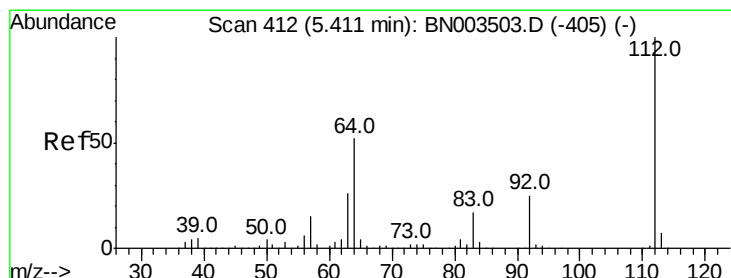
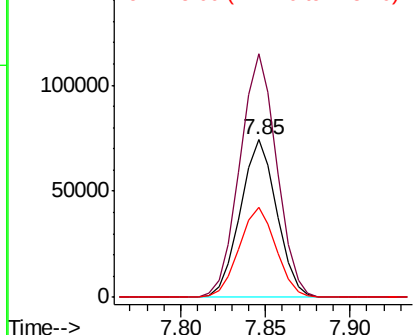
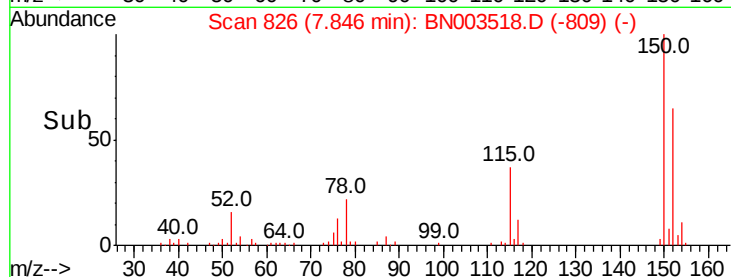
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.85 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

Tot Ion:152 Resp: 111971  
Ion Ratio Lower Upper  
152 100  
150 154.9 125.4 188.0  
115 57.1 45.9 68.9



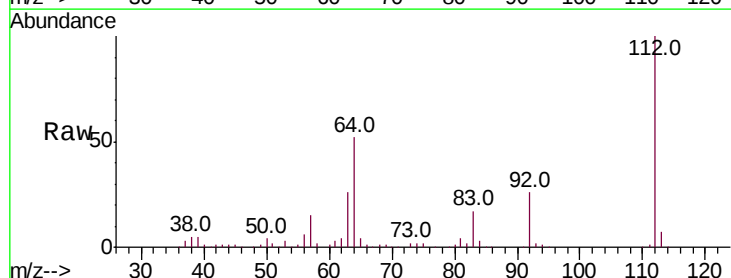
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



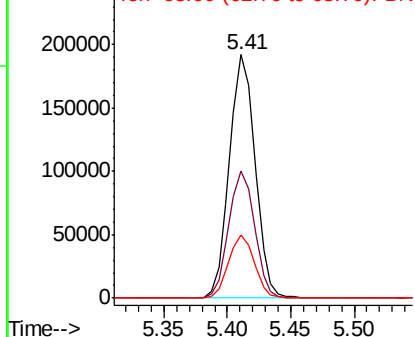
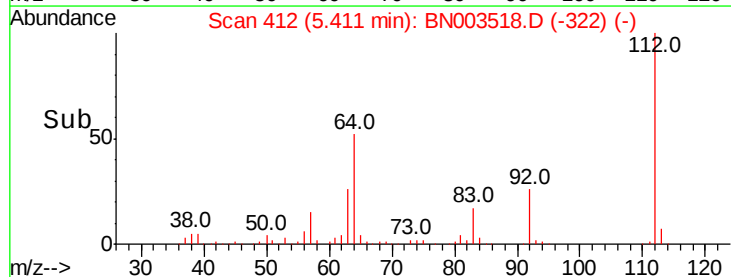
#5

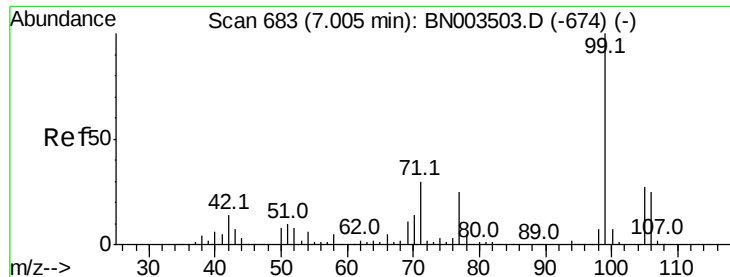
2-Fluorophenol  
Concen: 43.423 ng  
RT: 5.41 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Tgt Ion:112 Resp: 269583  
Ion Ratio Lower Upper  
112 100  
64 52.5 41.4 62.2  
63 25.7 20.5 30.7



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC





#7

Phenol-d6

Concen: 25.107 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003518.D

Acq: 13 Nov 2018 18:56

Instrument :

BNA\_N

ClientSampleId :

110918-JETT-F-D-B

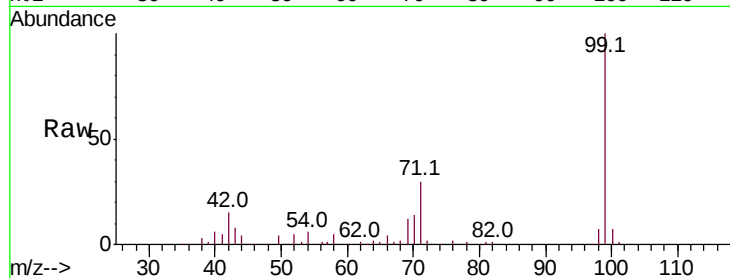
Tot Ion: 99 Resp: 216170

Ion Ratio Lower Upper

99 100

42 14.6 11.6 17.4

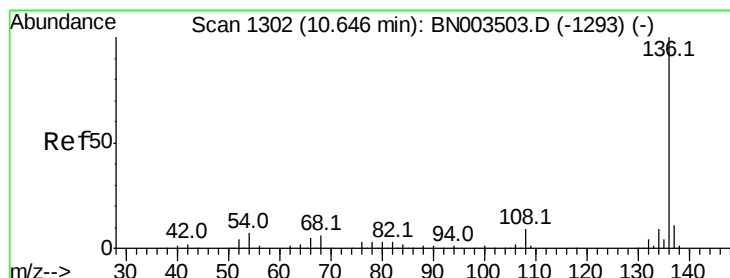
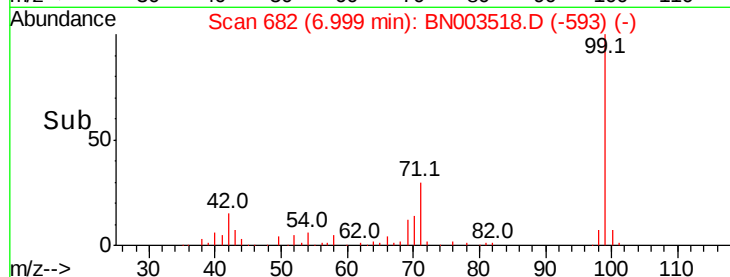
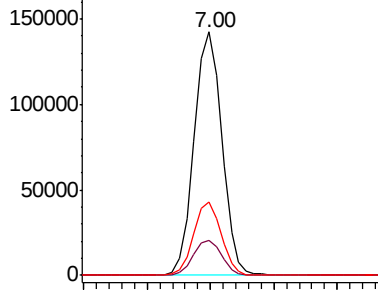
71 30.4 24.2 36.2



Abundance Ion 99.00 (98.70 to 99.70): BN003503.D (-674) (-)

Ion 42.00 (41.70 to 42.70): BN003503.D (-674) (-)

Ion 71.00 (70.70 to 71.70): BN003503.D (-674) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.65 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN003518.D

Acq: 13 Nov 2018 18:56

Tgt Ion: 136 Resp: 499728

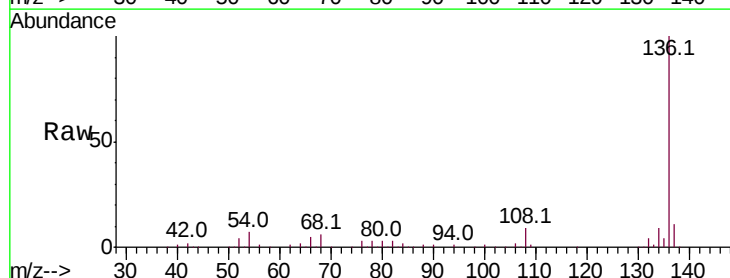
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.9 5.7 8.5

68 5.7 4.7 7.1

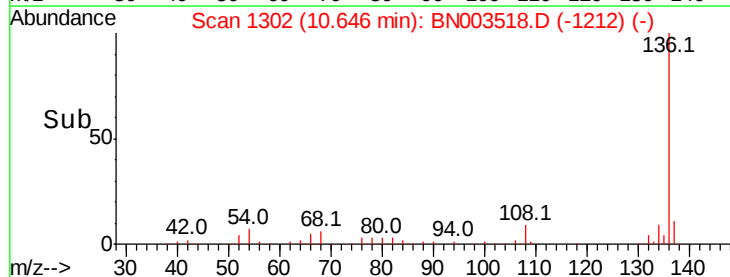
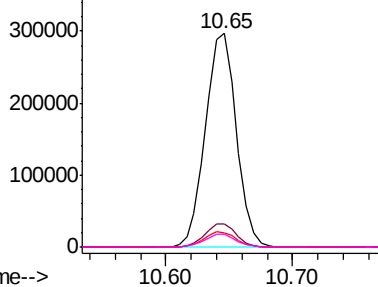


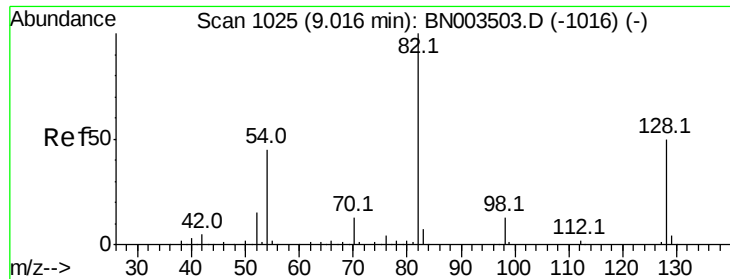
Abundance Ion 136.00 (135.70 to 136.70): BN003503.D (-1293) (-)

Ion 137.00 (136.70 to 137.70): BN003503.D (-1293) (-)

Ion 54.00 (53.70 to 54.70): BN003503.D (-1293) (-)

Ion 68.00 (67.70 to 68.70): BN003503.D (-1293) (-)

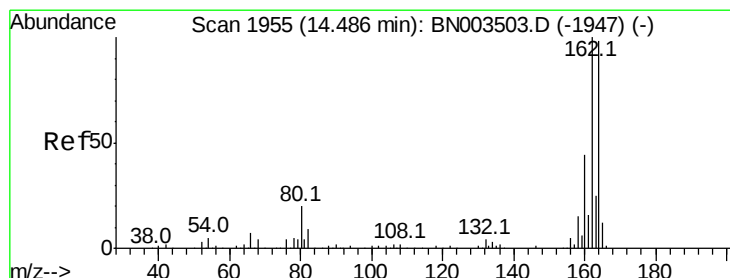
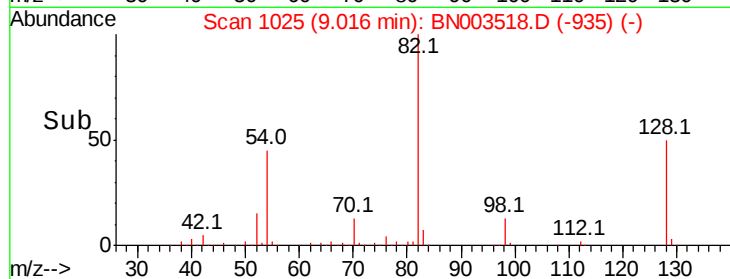
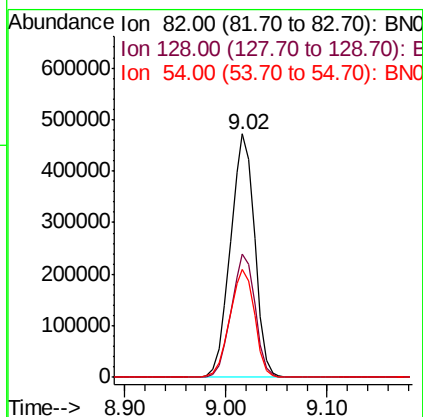
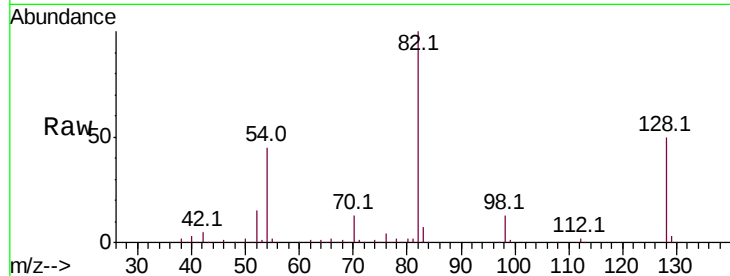




#23  
Nitrobenzene-d5  
Concen: 98.201 ng  
RT: 9.02 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

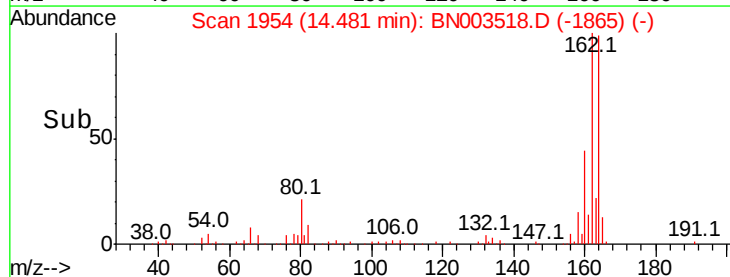
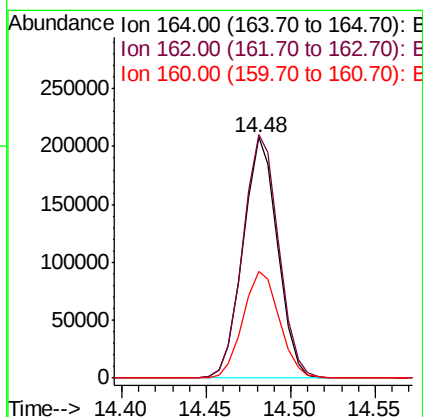
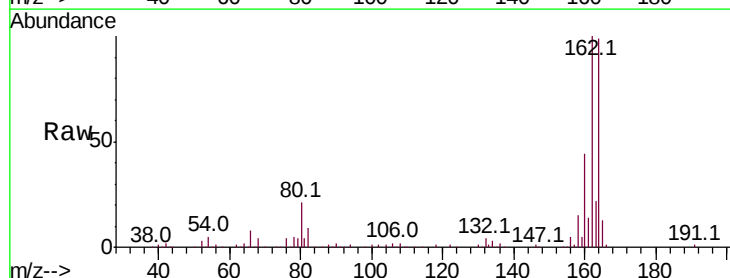
Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

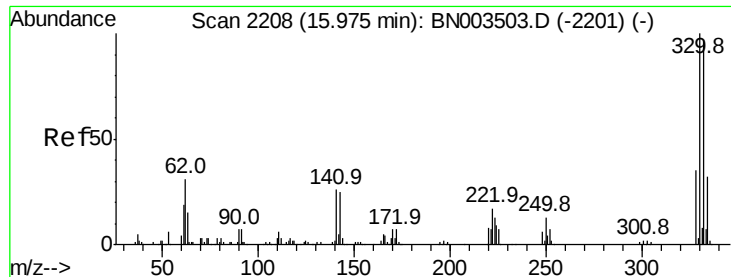
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 50.4  | 40.0  | 60.0  |
| 54      | 44.6  | 36.1  | 54.1  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.48 min Scan# 1954  
Delta R.T. -0.01 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.1 | 81.8  | 122.6 |
| 160     | 44.4  | 36.2  | 54.2  |

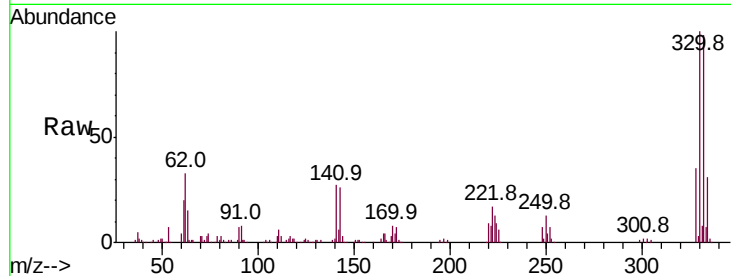




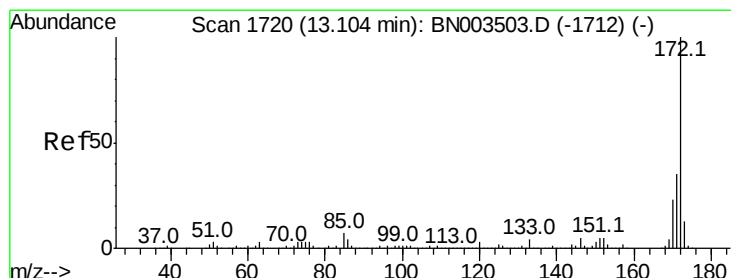
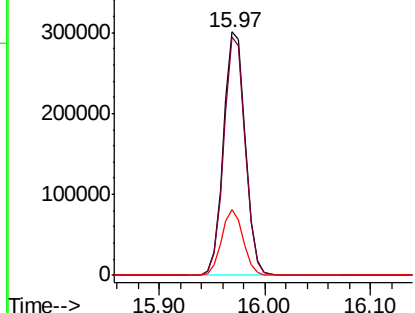
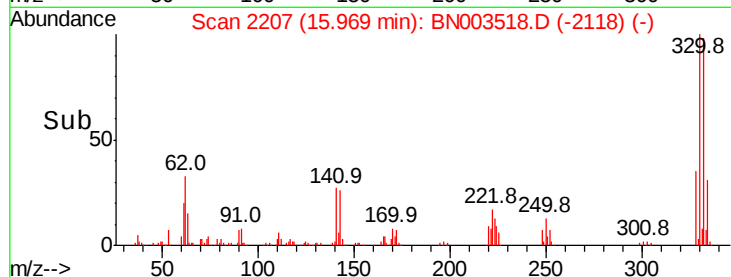
#42  
 2,4,6-Tribromophenol  
 Concen: 97.435 ng  
 RT: 15.97 min Scan# 2207  
 Delta R.T. -0.01 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 110918-JETT-F-D-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 76.8  | 115.2 |
| 141     | 26.6  | 21.6  | 32.4  |

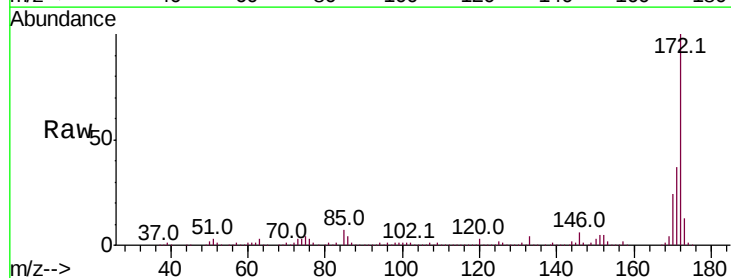


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

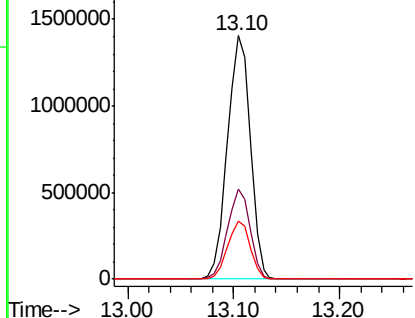
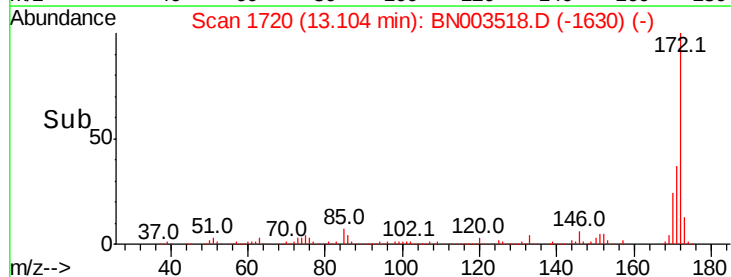


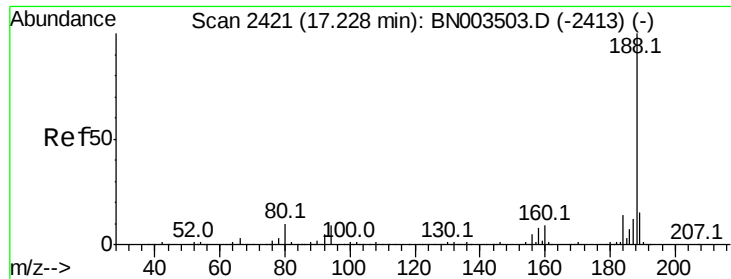
#45  
 2-Fluorobiphenyl  
 Concen: 94.471 ng  
 RT: 13.10 min Scan# 1720  
 Delta R.T. 0.00 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.3  | 42.5  |
| 170     | 23.9  | 18.7  | 28.1  |



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

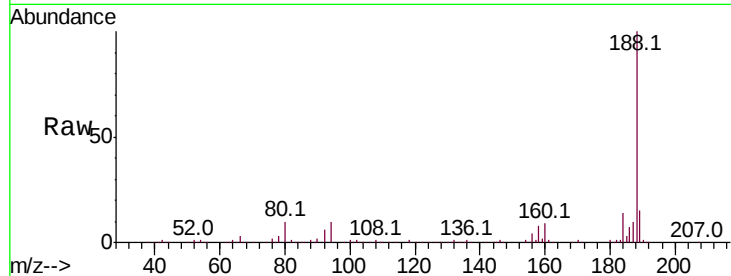




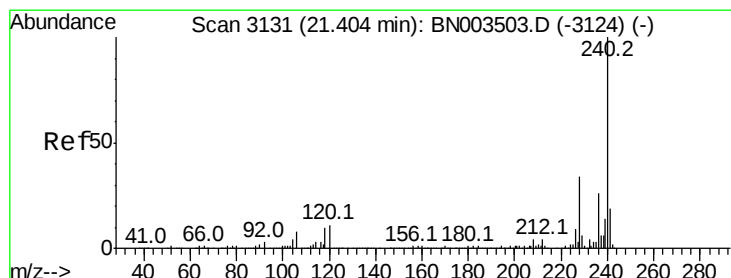
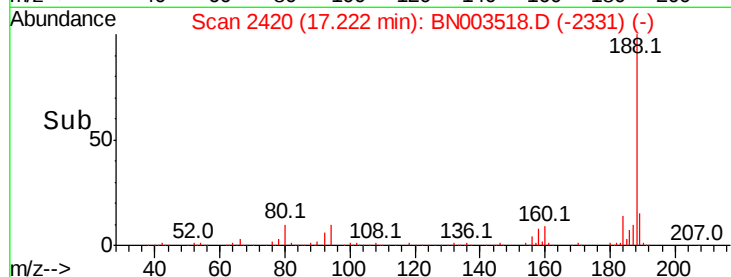
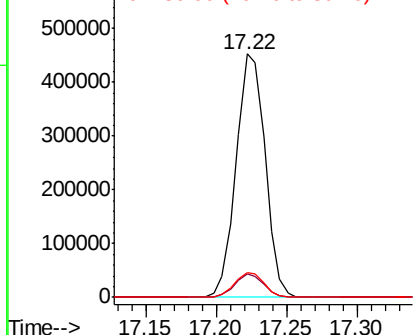
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.22 min Scan# 2420  
Delta R.T. -0.01 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

Tot Ion:188 Resp: 650735  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.6 11.4  
80 10.1 8.2 12.2

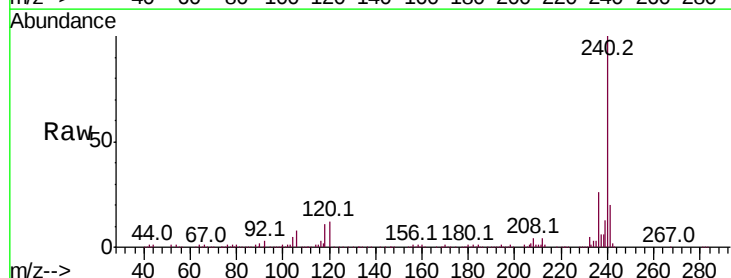


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BNC  
Ion 80.00 (79.70 to 80.70): BNC

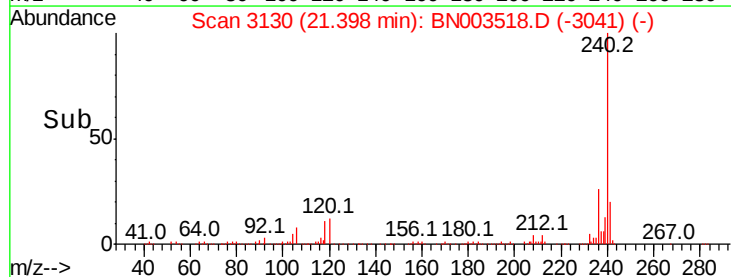
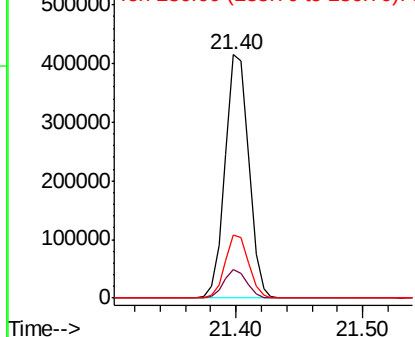


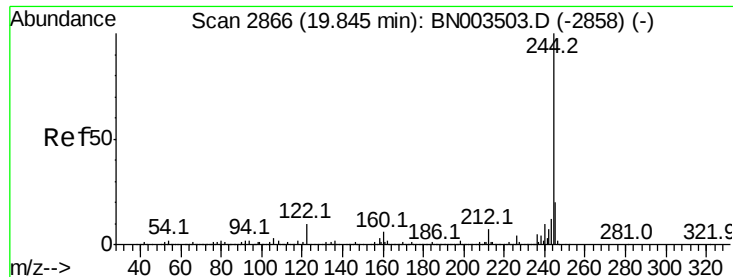
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.40 min Scan# 3130  
Delta R.T. -0.01 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Tgt Ion:240 Resp: 536227  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.1 13.7  
236 25.7 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



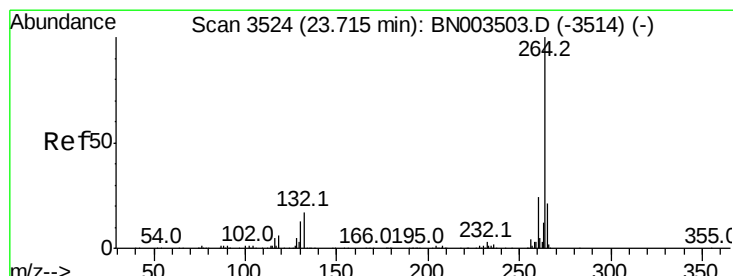
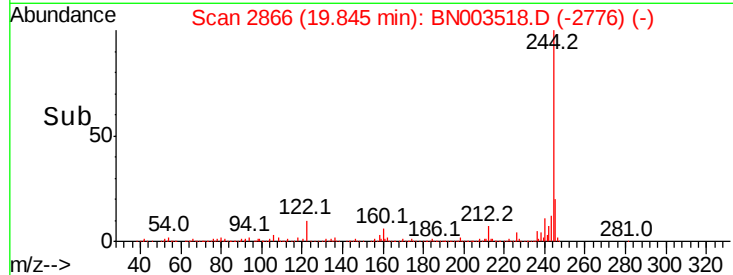
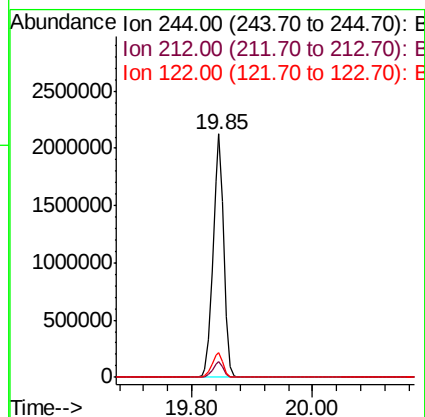
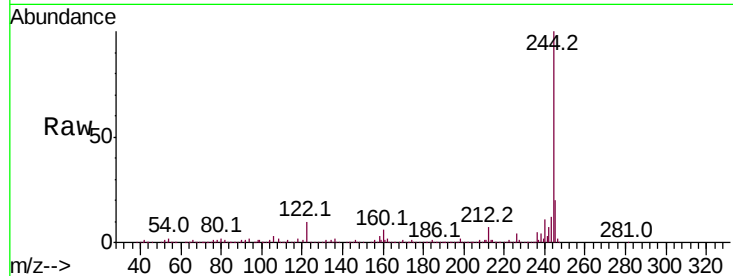


#79  
 Terphenyl-d14  
 Concen: 95.485 ng  
 RT: 19.85 min Scan# 2866  
 Delta R.T. 0.00 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 110918-JETT-F-D-B

Tot Ion:244 Resp: 2600740  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.7   | 5.4   | 8.0   |
| 122 | 10.4  | 8.2   | 12.2  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.72 min Scan# 3524  
 Delta R.T. 0.00 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

Tgt Ion:264 Resp: 529560  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 18.8  | 28.2  |
| 265 | 21.6  | 17.2  | 25.8  |

