

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\  
 Data File : BF113719.D  
 Acq On : 11 Apr 2019 14:40  
 Operator : JU/SJ  
 Sample : K2342-12  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-12-S

Quant Time: Apr 12 01:47:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 109999   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.96  | 136  | 409249   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.70  | 164  | 198612   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.19 | 188  | 397085   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 13.82 | 240  | 287391   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 15.23 | 264  | 289652   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 721819   | 111.90 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 846304   | 106.45 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 635683   | 90.98  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330  | 313955   | 131.59 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.03  | 172  | 1208572  | 97.96  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.77 | 244  | 1253798  | 88.83  | ng    | -0.02    |

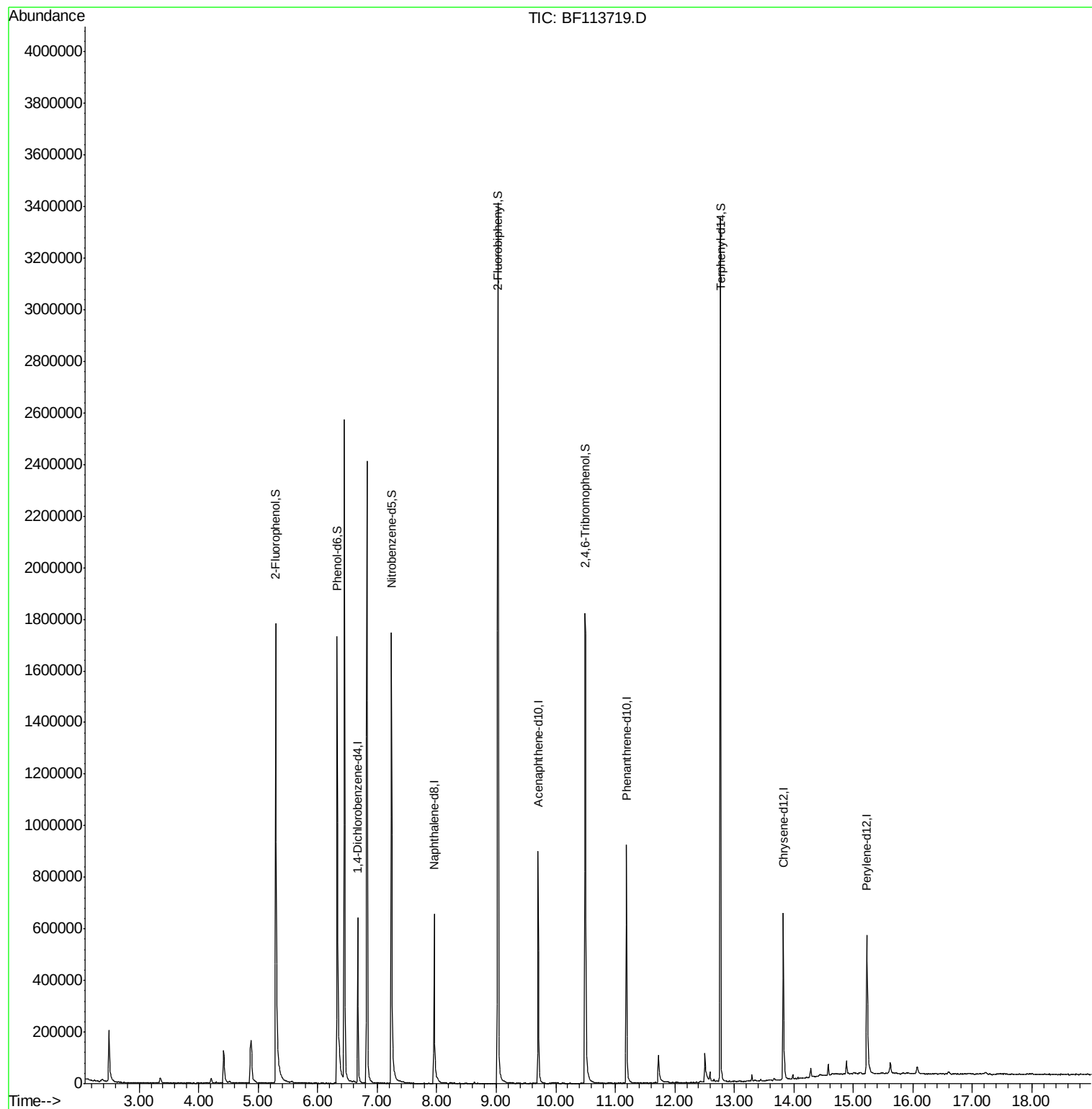
Target Compounds Qvalue

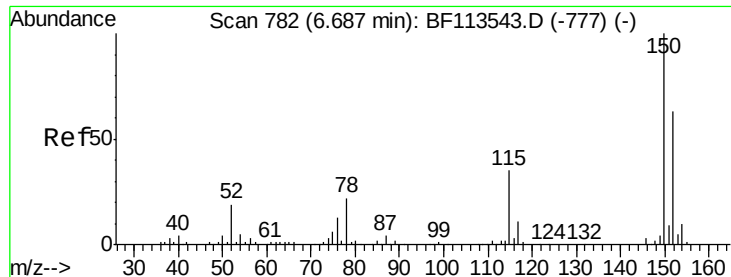
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2342-12  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-12-S

Quant Time: Apr 12 01:47:41 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 04 04:05:31 2019  
Response via : Initial Calibration



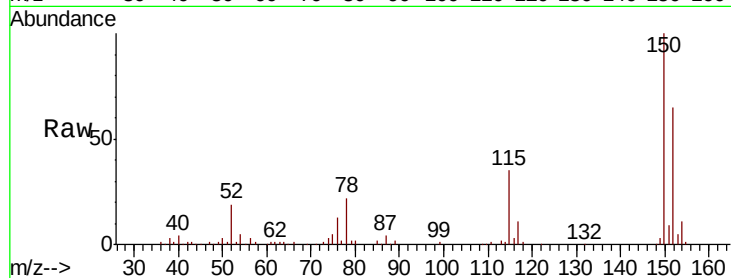


#1

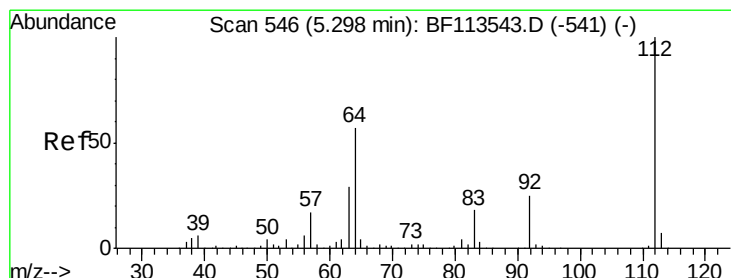
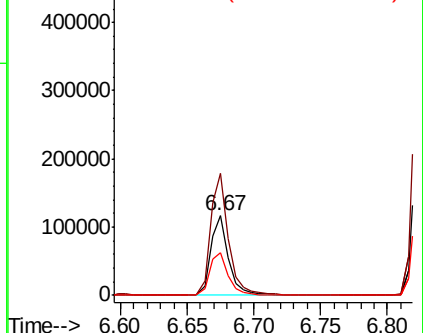
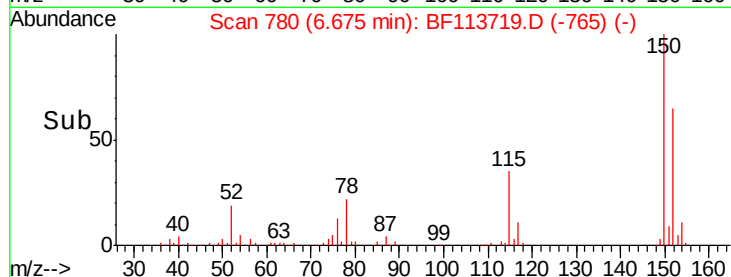
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF113719.D  
Acq: 11 Apr 2019 14:40

Instrument :  
BNA\_F  
ClientSampleId :  
TP-12-S

Tot Ion:152 Resp: 109999  
Ion Ratio Lower Upper  
152 100  
150 154.6 124.7 187.1  
115 54.4 46.0 69.0



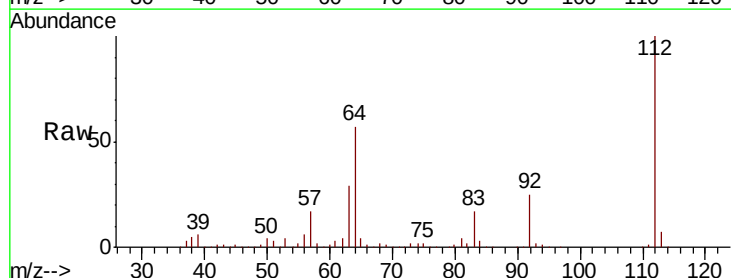
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



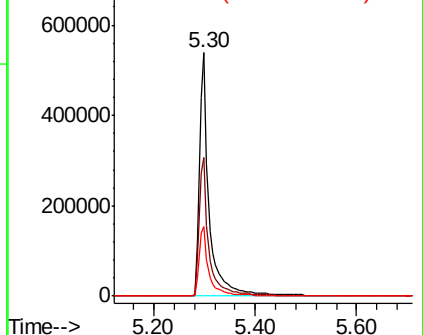
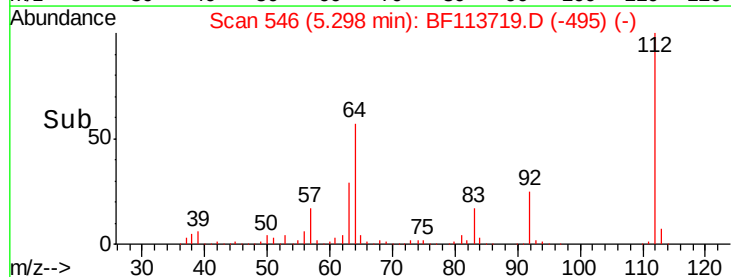
#5

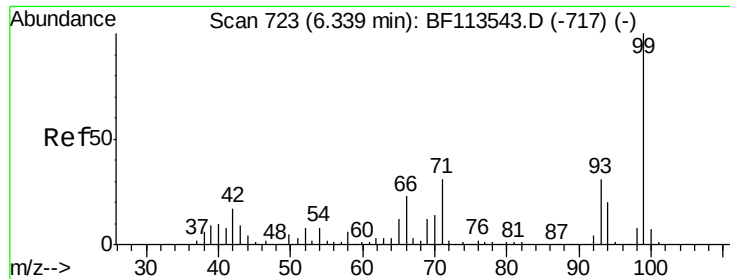
2-Fluorophenol  
Concen: 111.898 ng  
RT: 5.30 min Scan# 546  
Delta R.T. -0.00 min  
Lab File: BF113719.D  
Acq: 11 Apr 2019 14:40

Tgt Ion:112 Resp: 721819  
Ion Ratio Lower Upper  
112 100  
64 57.0 49.2 73.8  
63 28.6 24.9 37.3



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: 106.447 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA\_F

ClientSampleId :

TP-12-S

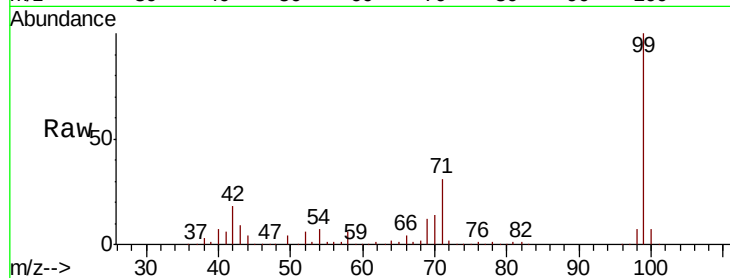
Tot Ion: 99 Resp: 846304

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

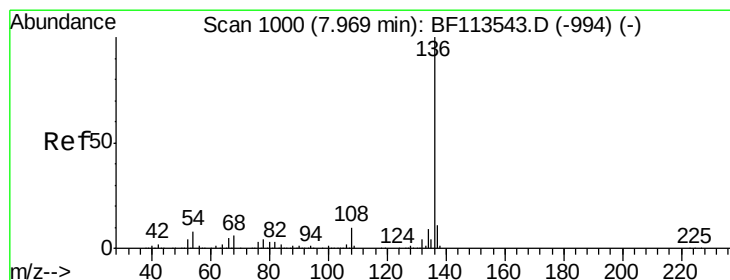
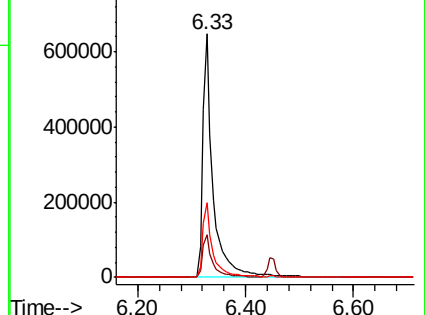
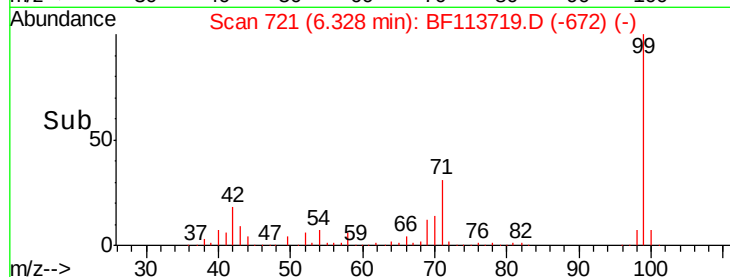
71 30.9 24.9 37.3



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: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Tgt Ion: 136 Resp: 409249

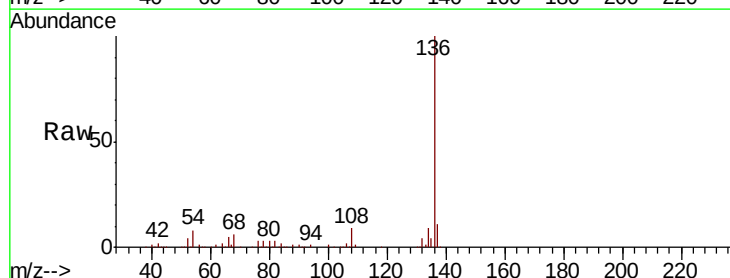
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.7 7.0 10.6

68 5.6 4.8 7.2

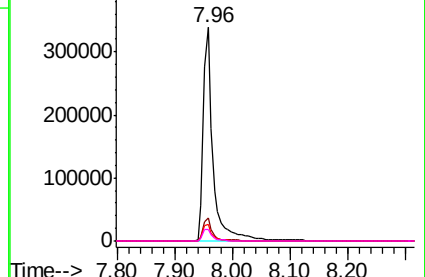
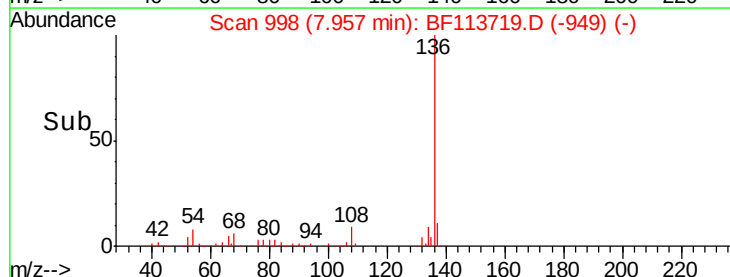


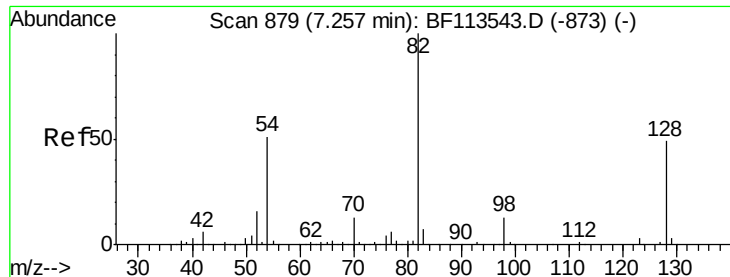
Abundance Ion 136.00 (135.70 to 136.70): E

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

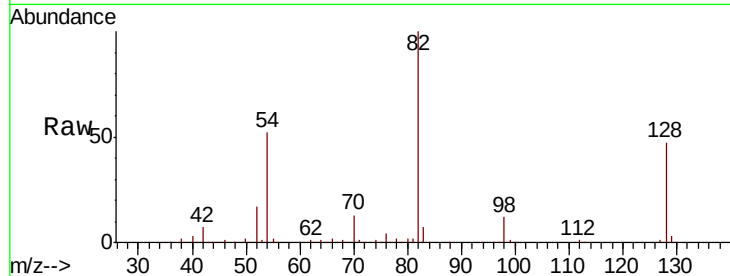




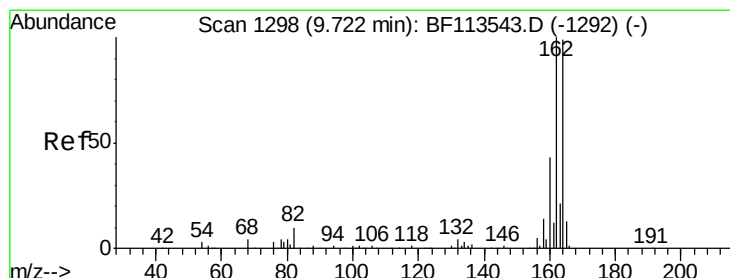
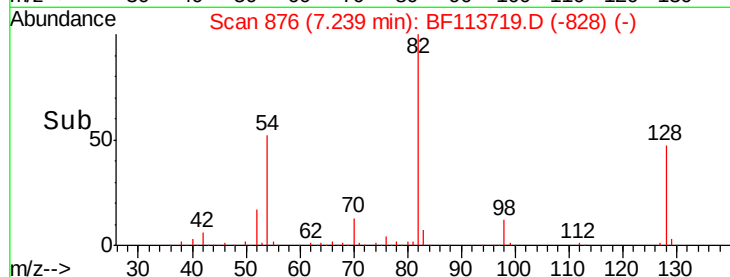
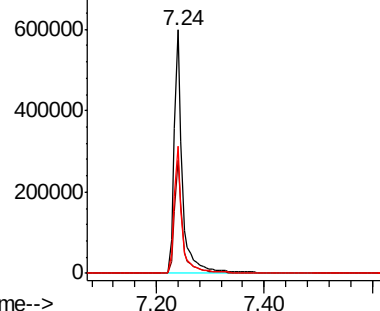
#23  
Nitrobenzene-d5  
Concen: 90.984 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.02 min  
Lab File: BF113719.D  
Acq: 11 Apr 2019 14:40

Instrument :  
BNA\_F  
ClientSampled :  
TP-12-S

Tot Ion: 82 Resp: 635683  
Ion Ratio Lower Upper  
82 100  
128 46.7 36.5 54.7  
54 52.0 42.2 63.2

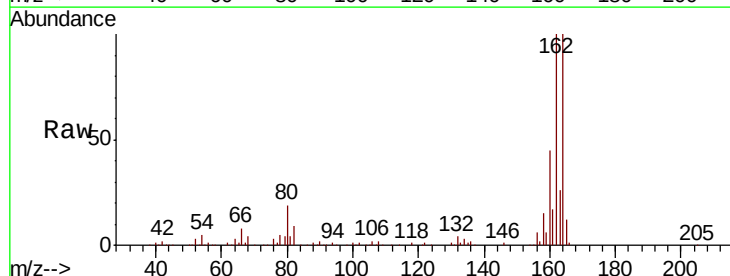


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

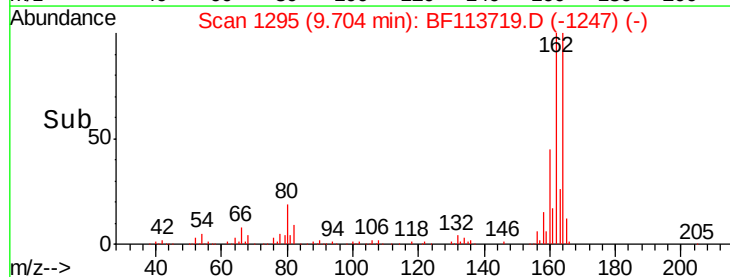
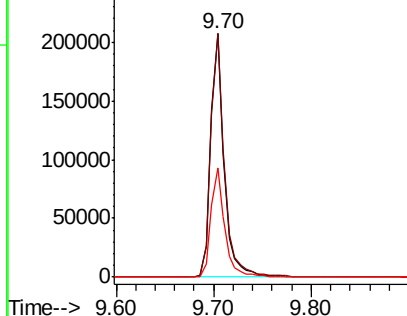


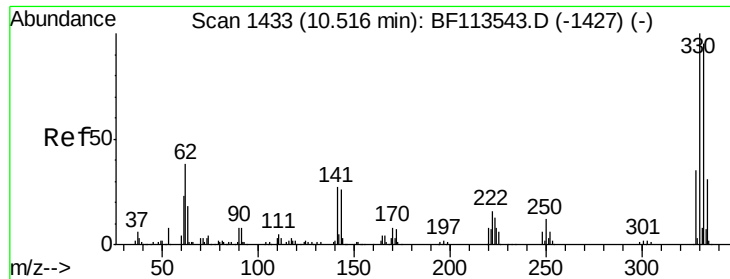
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. -0.02 min  
Lab File: BF113719.D  
Acq: 11 Apr 2019 14:40

Tgt Ion: 164 Resp: 198612  
Ion Ratio Lower Upper  
164 100  
162 100.2 81.8 122.6  
160 44.9 36.4 54.6



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

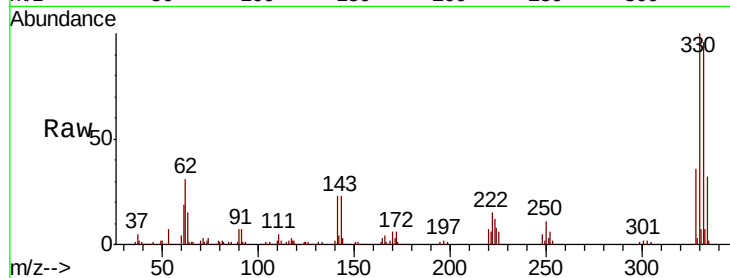




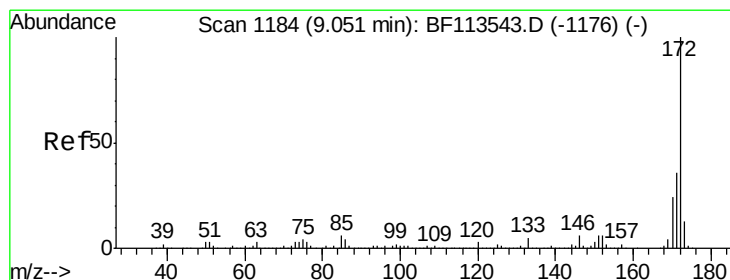
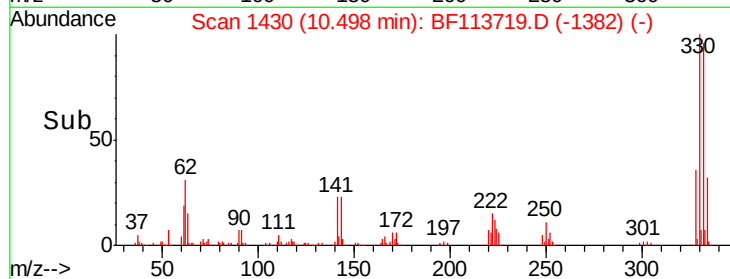
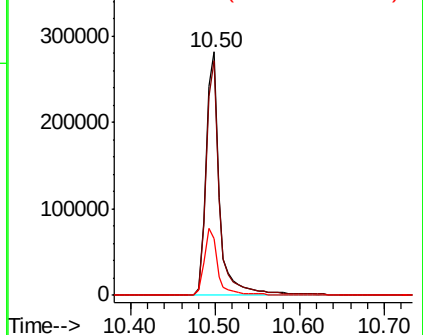
#42  
 2,4,6-Tribromophenol  
 Concen: 131.592 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.02 min  
 Lab File: BF113719.D  
 Acq: 11 Apr 2019 14:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-12-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.8  | 116.6 |
| 141     | 27.9  | 22.7  | 34.1  |

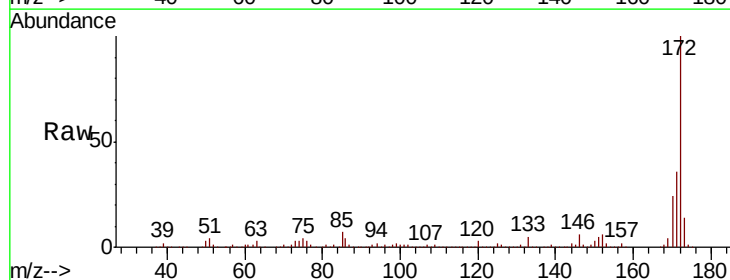


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

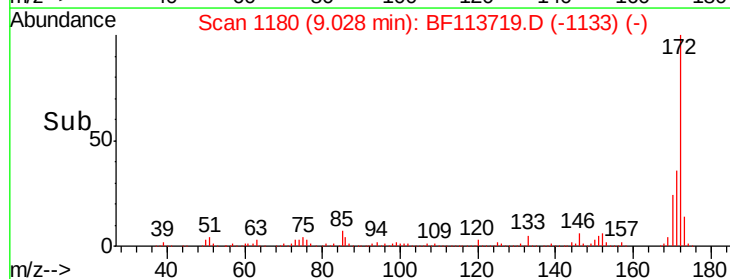
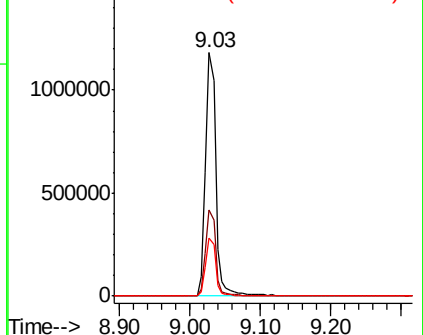


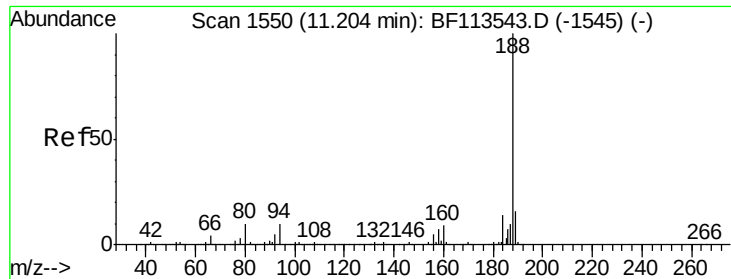
#45  
 2-Fluorobiphenyl  
 Concen: 97.963 ng  
 RT: 9.03 min Scan# 1180  
 Delta R.T. -0.02 min  
 Lab File: BF113719.D  
 Acq: 11 Apr 2019 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.0  | 43.6  |
| 170     | 23.9  | 19.5  | 29.3  |



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

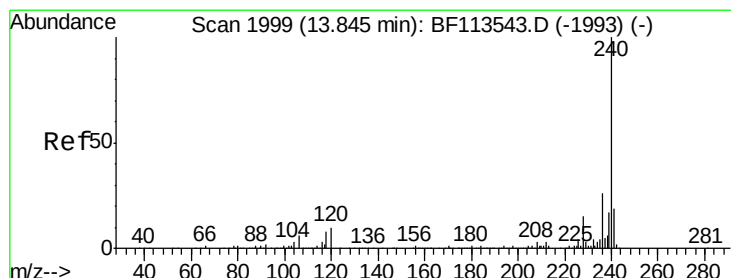
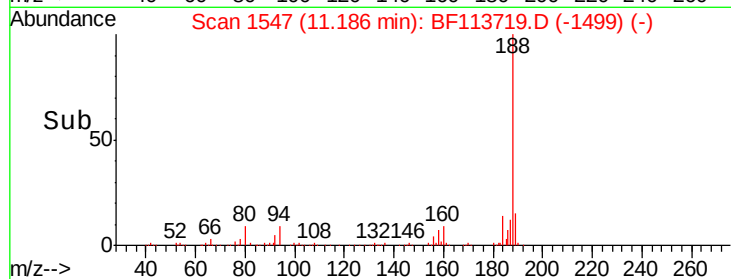
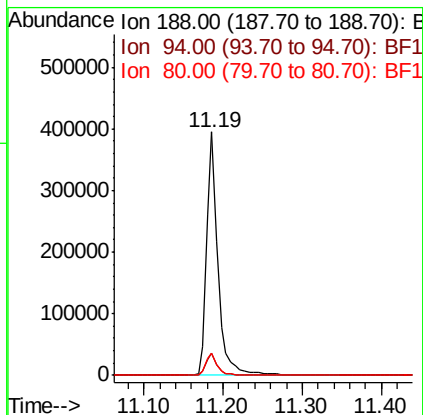
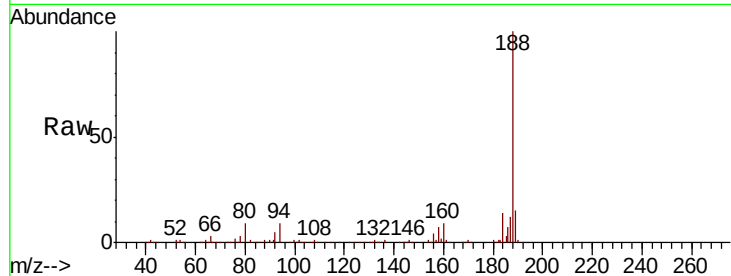




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.19 min Scan# 1547  
Delta R.T. -0.02 min  
Lab File: BF113719.D  
Acq: 11 Apr 2019 14:40

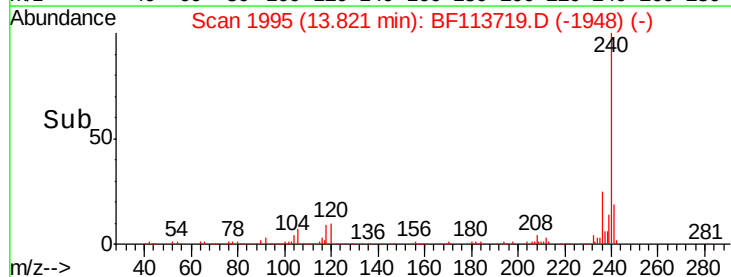
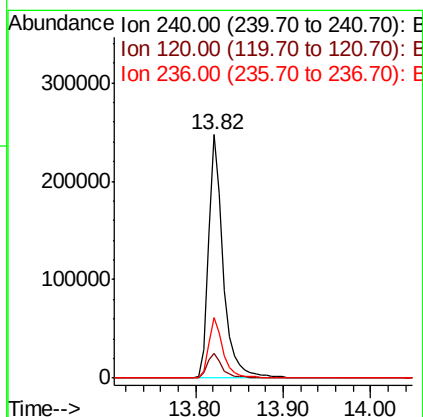
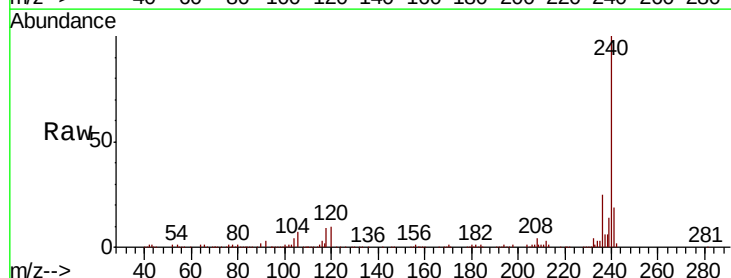
Instrument :  
BNA\_F  
ClientSampled :  
TP-12-S

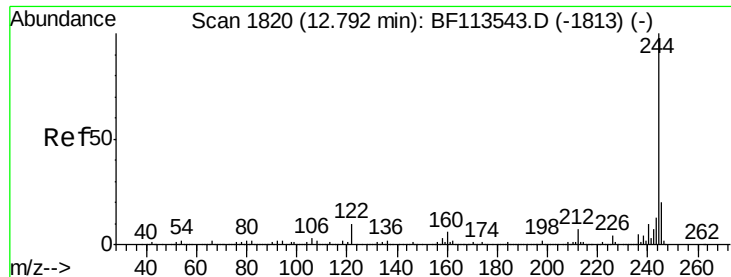
Tot Ion:188 Resp: 397085  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.0 10.6  
80 8.9 7.7 11.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.82 min Scan# 1995  
Delta R.T. -0.02 min  
Lab File: BF113719.D  
Acq: 11 Apr 2019 14:40

Tgt Ion:240 Resp: 287391  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.8 13.2  
236 25.0 20.9 31.3





#79

Terphenyl-d14

Concen: 88.825 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

Instrument :

BNA\_F

ClientSampleId :

TP-12-S

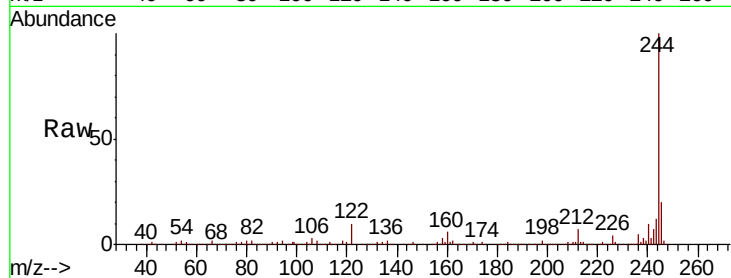
Tot Ion:244 Resp: 1253798

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

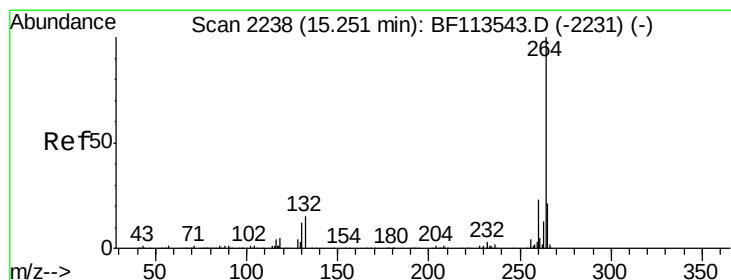
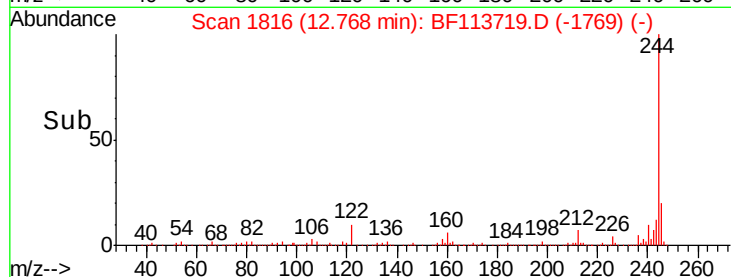
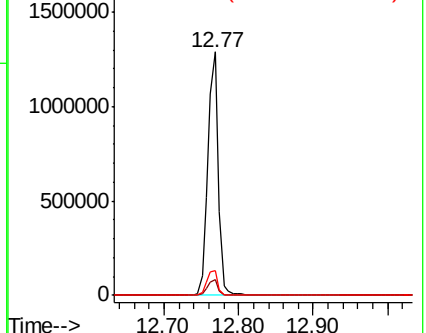
122 10.3 8.6 13.0



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: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF113719.D

Acq: 11 Apr 2019 14:40

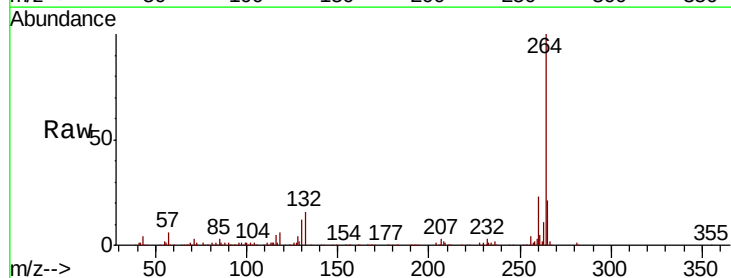
Tgt Ion:264 Resp: 289652

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.1 17.1 25.7



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

