

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\  
 Data File : BF112547.D  
 Acq On : 13 Feb 2019 19:06  
 Operator : JU/SJ  
 Sample : K1458-06 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4

Quant Time: Feb 14 06:46:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 103658   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.12  | 136  | 381988   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.87  | 164  | 154608   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 258568   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.02 | 240  | 221675   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.50 | 264  | 153236   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 274585   | 56.27 | ng    | -0.01    |
| 7) Phenol-d6                | 6.49  | 99   | 347202   | 51.20 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 208831   | 31.50 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 68335    | 37.97 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 374691   | 34.28 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 327126   | 27.79 | ng    | 0.00     |

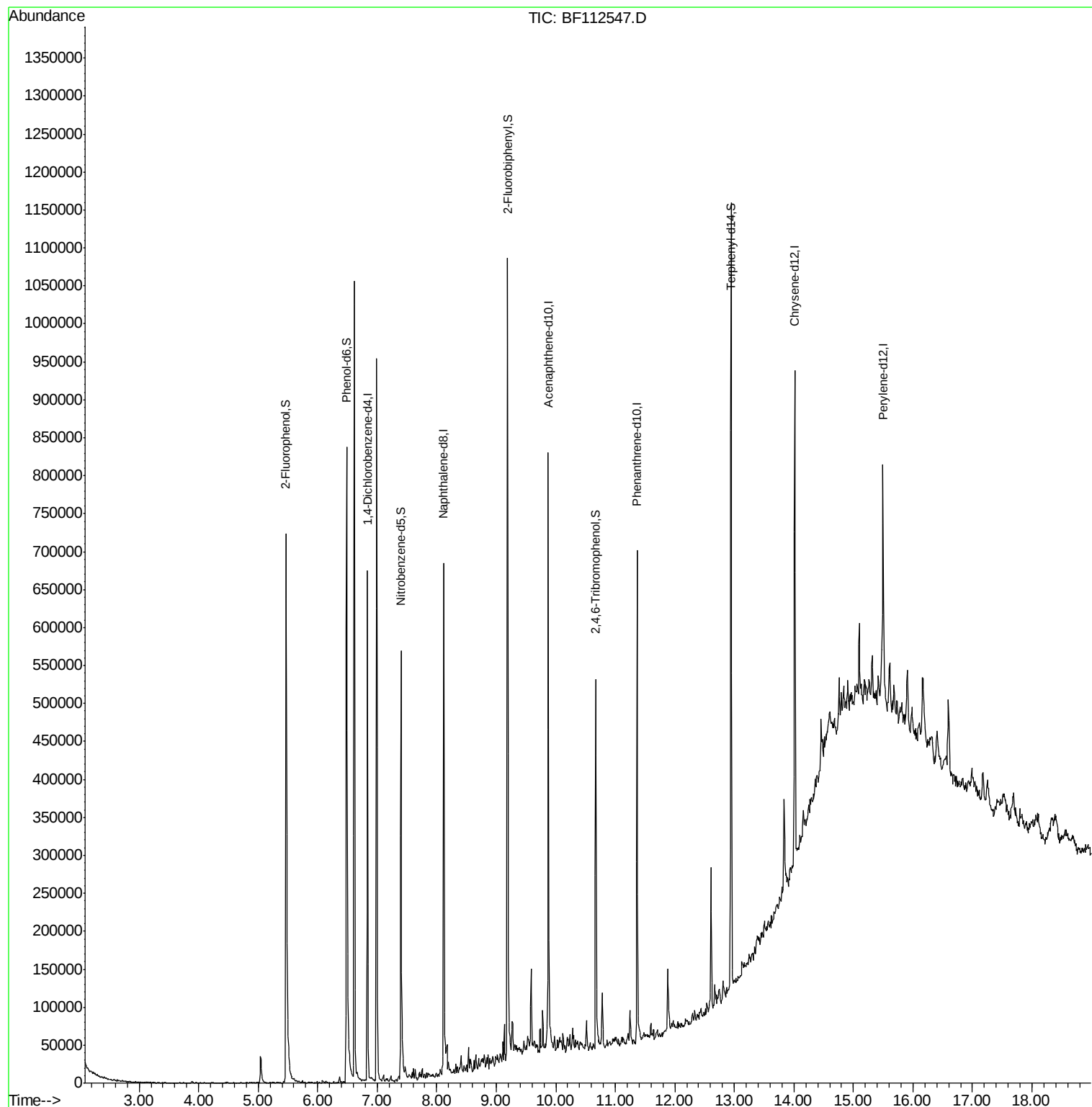
Target Compounds Qvalue

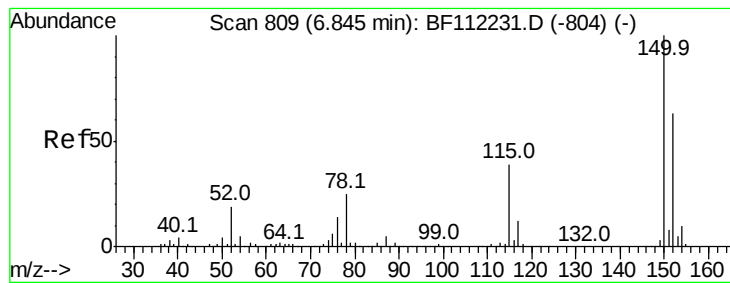
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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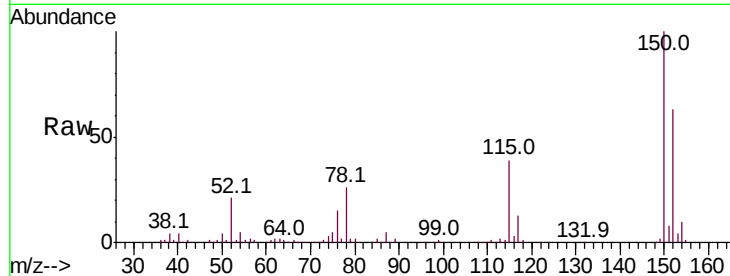


#1

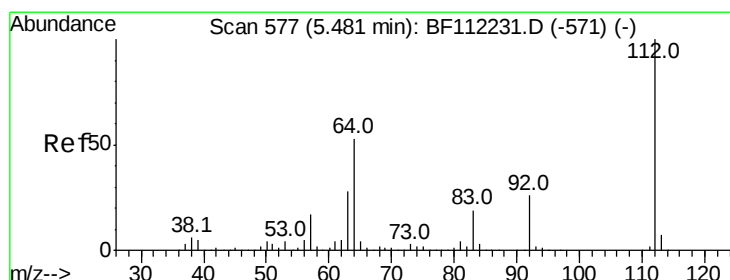
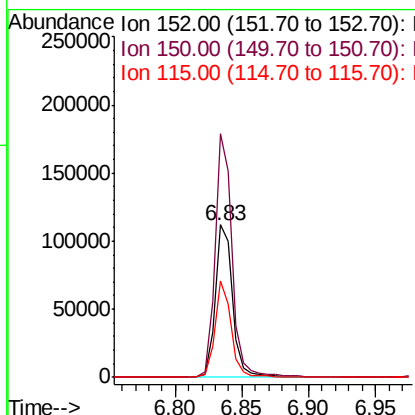
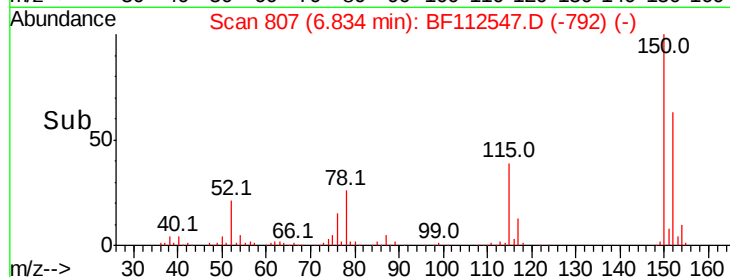
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF112547.D  
Acq: 13 Feb 2019 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4

Tot Ion:152 Resp: 103658  
Ion Ratio Lower Upper  
152 100  
150 159.9 127.4 191.0  
115 62.9 45.5 68.3



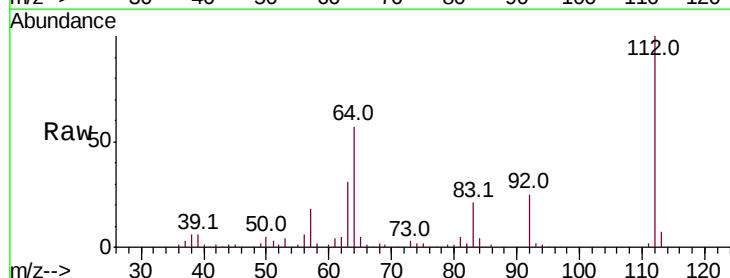
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



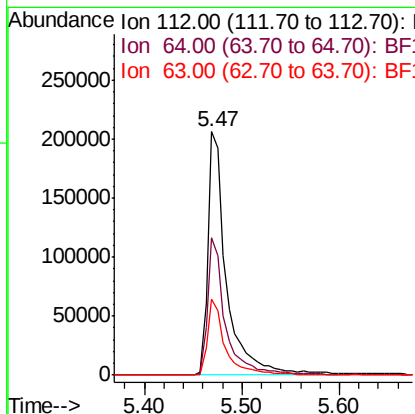
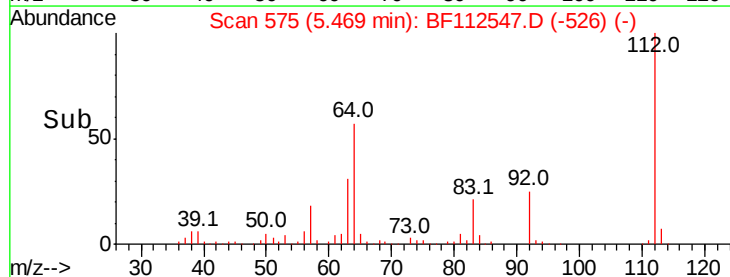
#5

2-Fluorophenol  
Concen: 56.265 ng  
RT: 5.47 min Scan# 575  
Delta R.T. -0.01 min  
Lab File: BF112547.D  
Acq: 13 Feb 2019 19:06

Tgt Ion:112 Resp: 274585  
Ion Ratio Lower Upper  
112 100  
64 56.6 45.7 68.5  
63 31.3 23.6 35.4



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: 51.200 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112547.D

Acq: 13 Feb 2019 19:06

Instrument :

BNA\_F

ClientSampleId :

SB-4

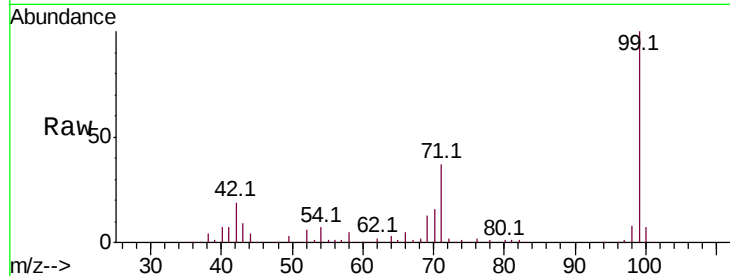
Tot Ion: 99 Resp: 347202

Ion Ratio Lower Upper

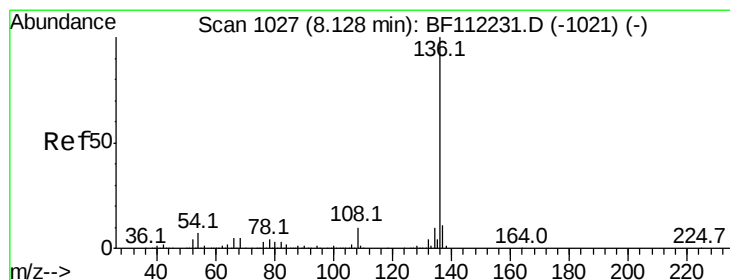
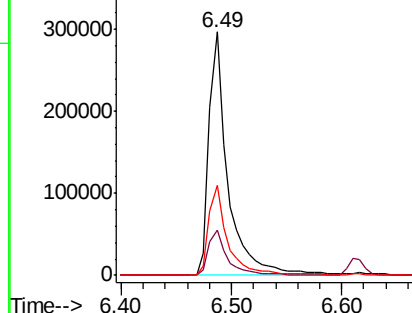
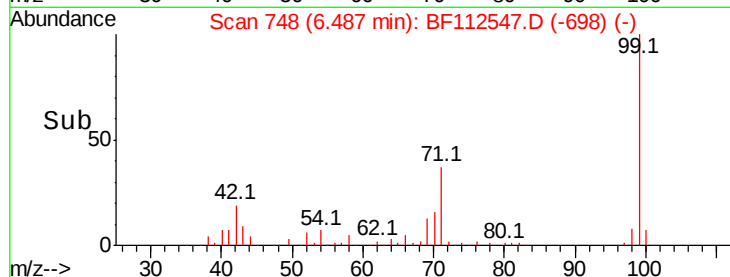
99 100

42 18.6 15.1 22.7

71 37.2 26.9 40.3



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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112547.D

Acq: 13 Feb 2019 19:06

Tgt Ion: 136 Resp: 381988

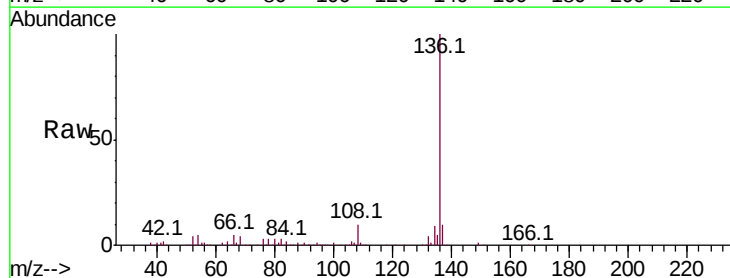
Ion Ratio Lower Upper

136 100

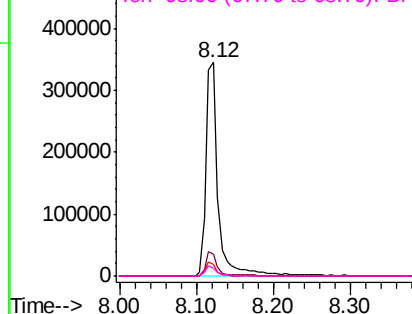
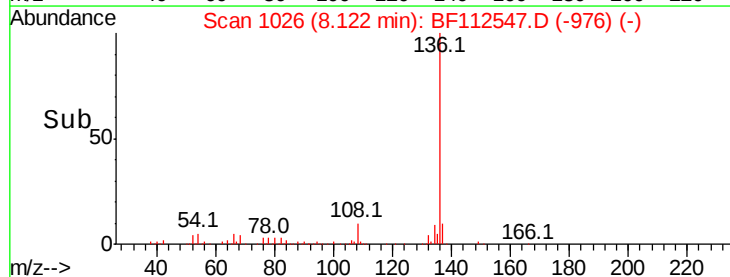
137 10.4 9.1 13.7

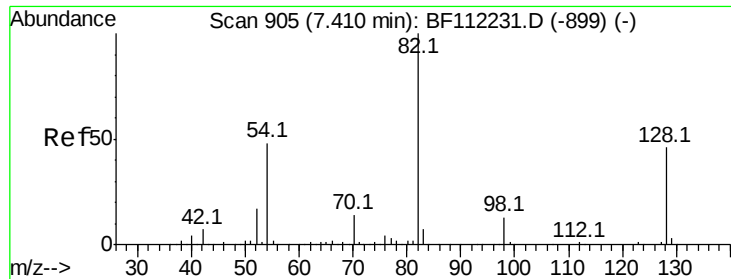
54 5.4 5.9 8.9#

68 3.8 5.1 7.7#



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

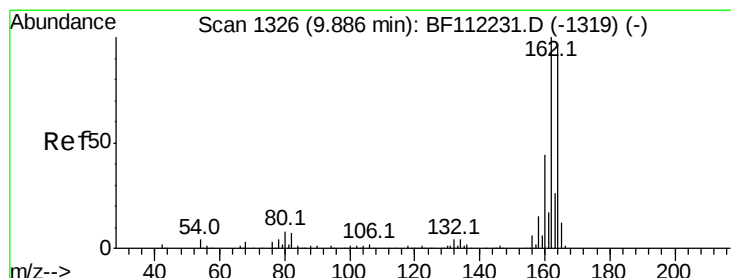
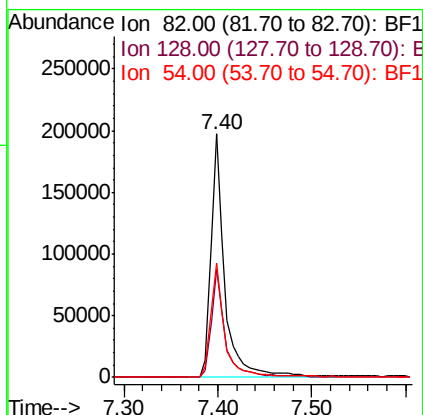
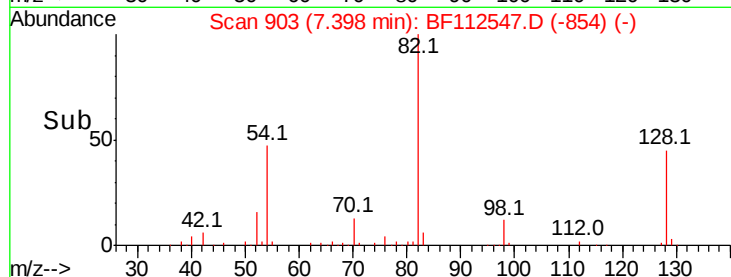
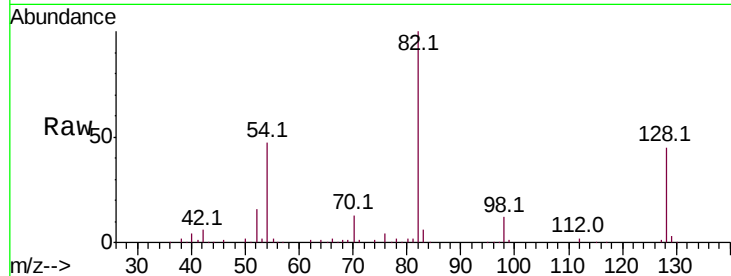




#23  
 Nitrobenzene-d5  
 Concen: 31.500 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.01 min  
 Lab File: BF112547.D  
 Acq: 13 Feb 2019 19:06

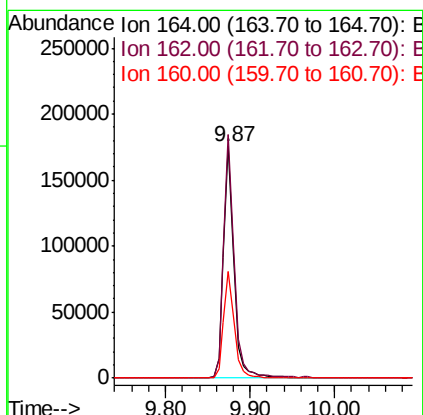
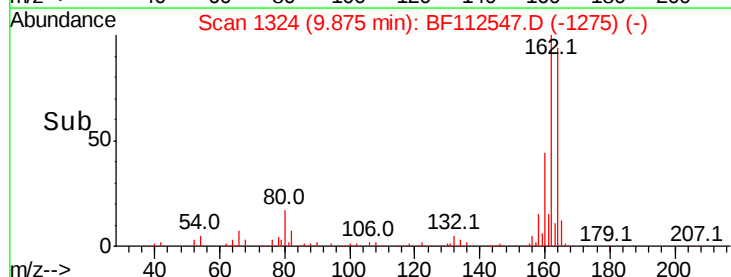
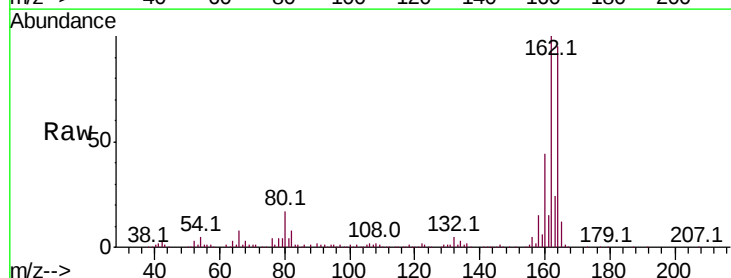
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4

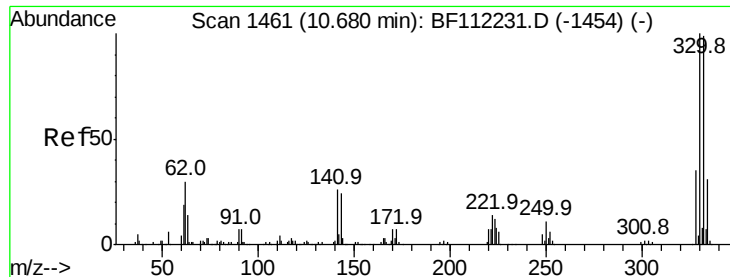
Tot Ion: 82 Resp: 208831  
 Ion Ratio Lower Upper  
 82 100  
 128 44.5 37.8 56.8  
 54 46.9 39.7 59.5



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF112547.D  
 Acq: 13 Feb 2019 19:06

Tgt Ion:164 Resp: 154608  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 82.2 123.4  
 160 46.2 36.2 54.4

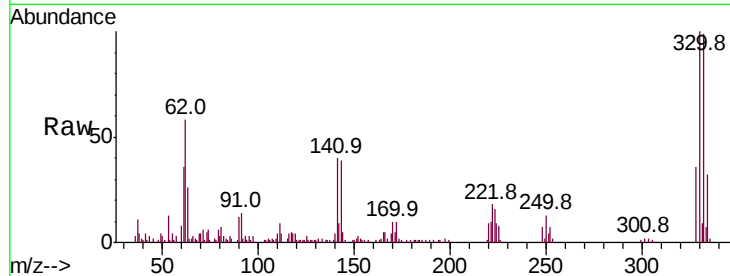




#42  
 2,4,6-Tribromophenol  
 Concen: 37.972 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF112547.D  
 Acq: 13 Feb 2019 19:06

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.6  | 114.8 |
| 141     | 36.3  | 24.3  | 36.5  |

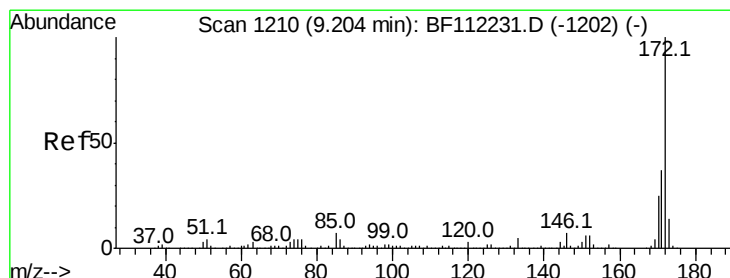
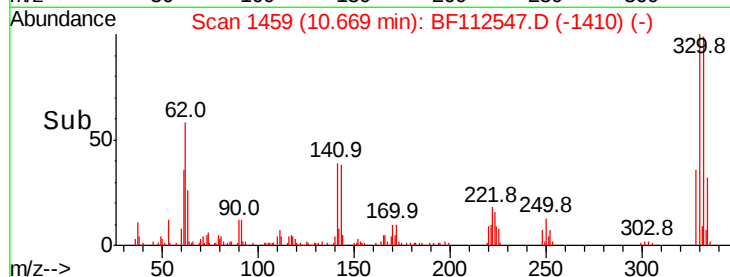
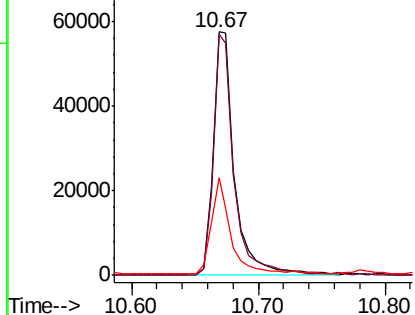


Abundance

Ion 329.80 (329.50 to 330.50): E

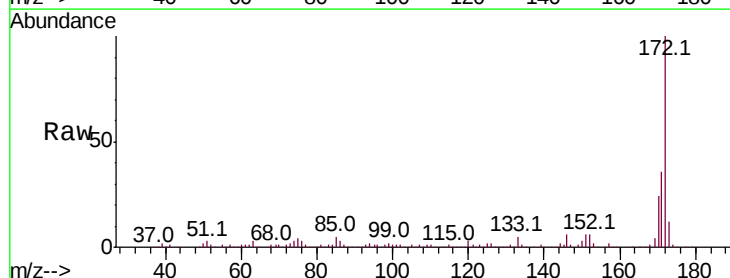
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 34.276 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. -0.01 min  
 Lab File: BF112547.D  
 Acq: 13 Feb 2019 19:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 30.5  | 45.7  |
| 170     | 23.6  | 20.2  | 30.4  |

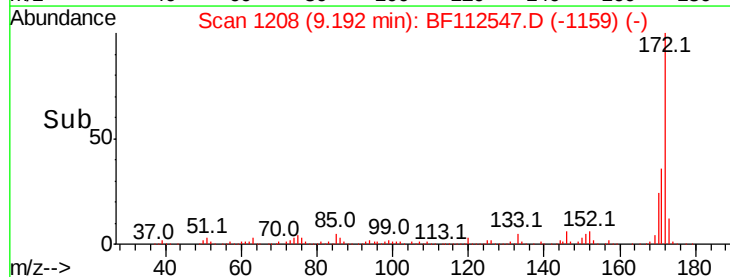
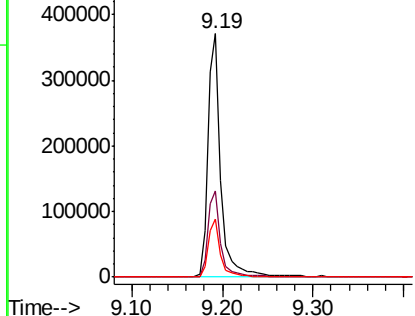


Abundance

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

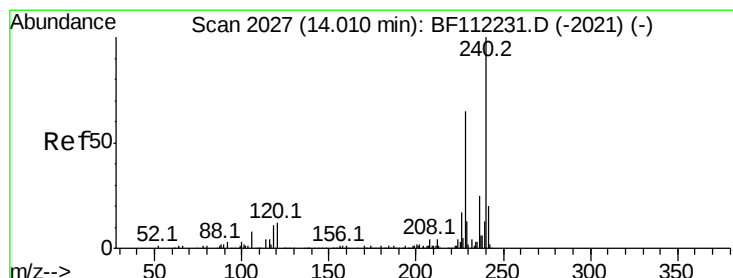
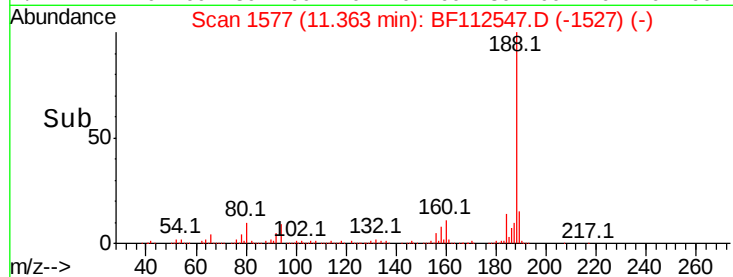
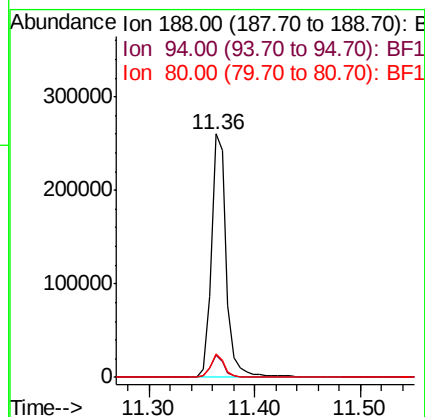
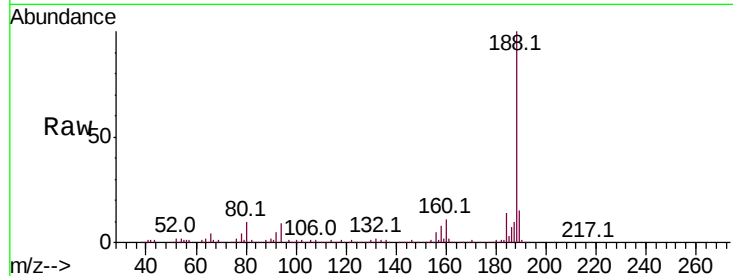




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF112547.D  
Acq: 13 Feb 2019 19:06

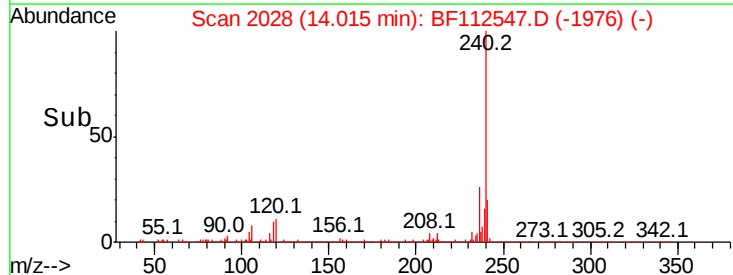
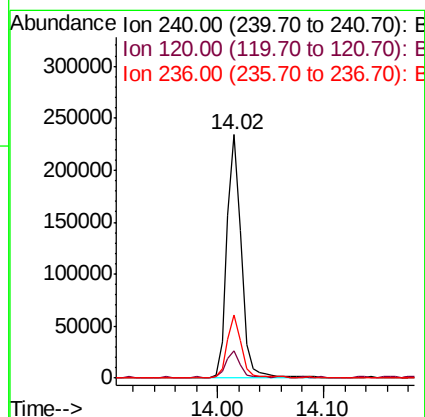
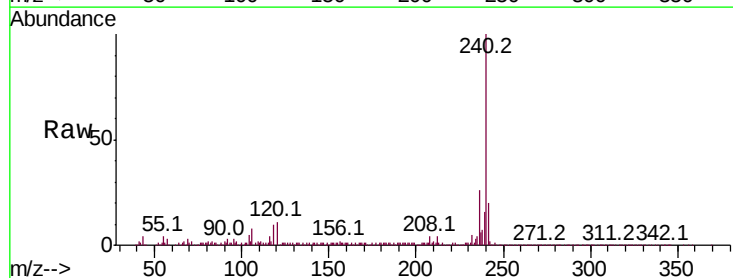
Instrument :  
BNA\_F  
ClientSampleId :  
SB-4

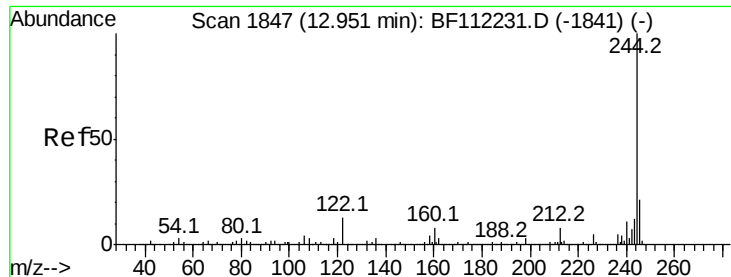
Tot Ion:188 Resp: 258568  
Ion Ratio Lower Upper  
188 100  
94 9.4 8.2 12.2  
80 9.8 8.9 13.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. 0.01 min  
Lab File: BF112547.D  
Acq: 13 Feb 2019 19:06

Tgt Ion:240 Resp: 221675  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.0 13.6  
236 25.8 20.7 31.1





#79

Terphenyl-d14

Concen: 27.794 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112547.D

Acq: 13 Feb 2019 19:06

Instrument :

BNA\_F

ClientSampled :

SB-4

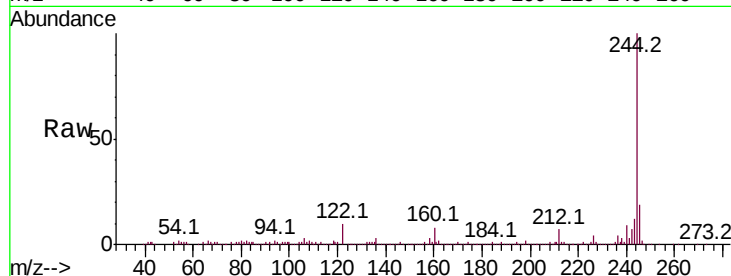
Tot Ion:244 Resp: 327126

Ion Ratio Lower Upper

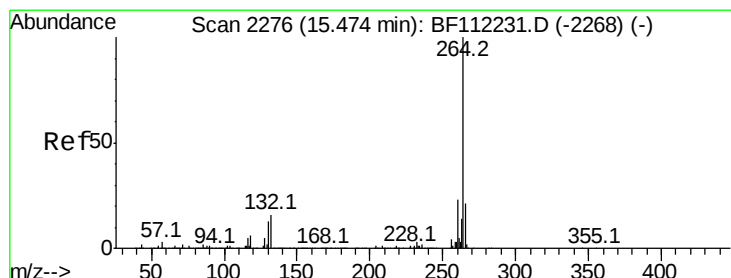
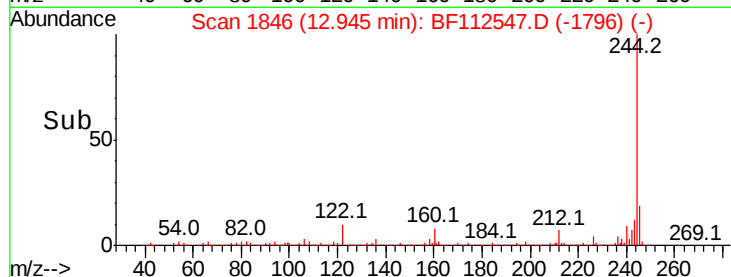
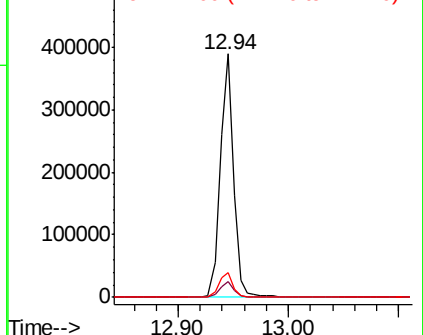
244 100

212 6.6 5.9 8.9

122 10.1 9.8 14.6



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: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BF112547.D

Acq: 13 Feb 2019 19:06

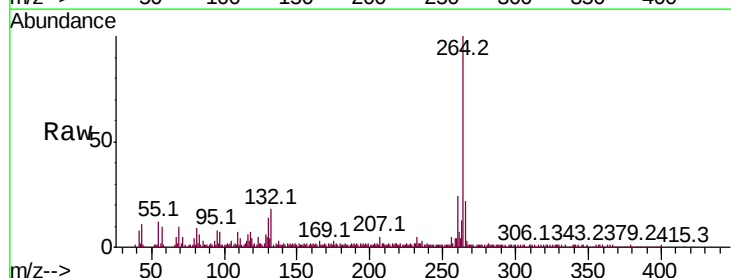
Tgt Ion:264 Resp: 153236

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

265 22.5 17.0 25.4



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

