

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\  
 Data File : BF112677.D  
 Acq On : 22 Feb 2019 21:05  
 Operator : JU/SJ  
 Sample : K1567-01 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1

Quant Time: Feb 23 01:21:49 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

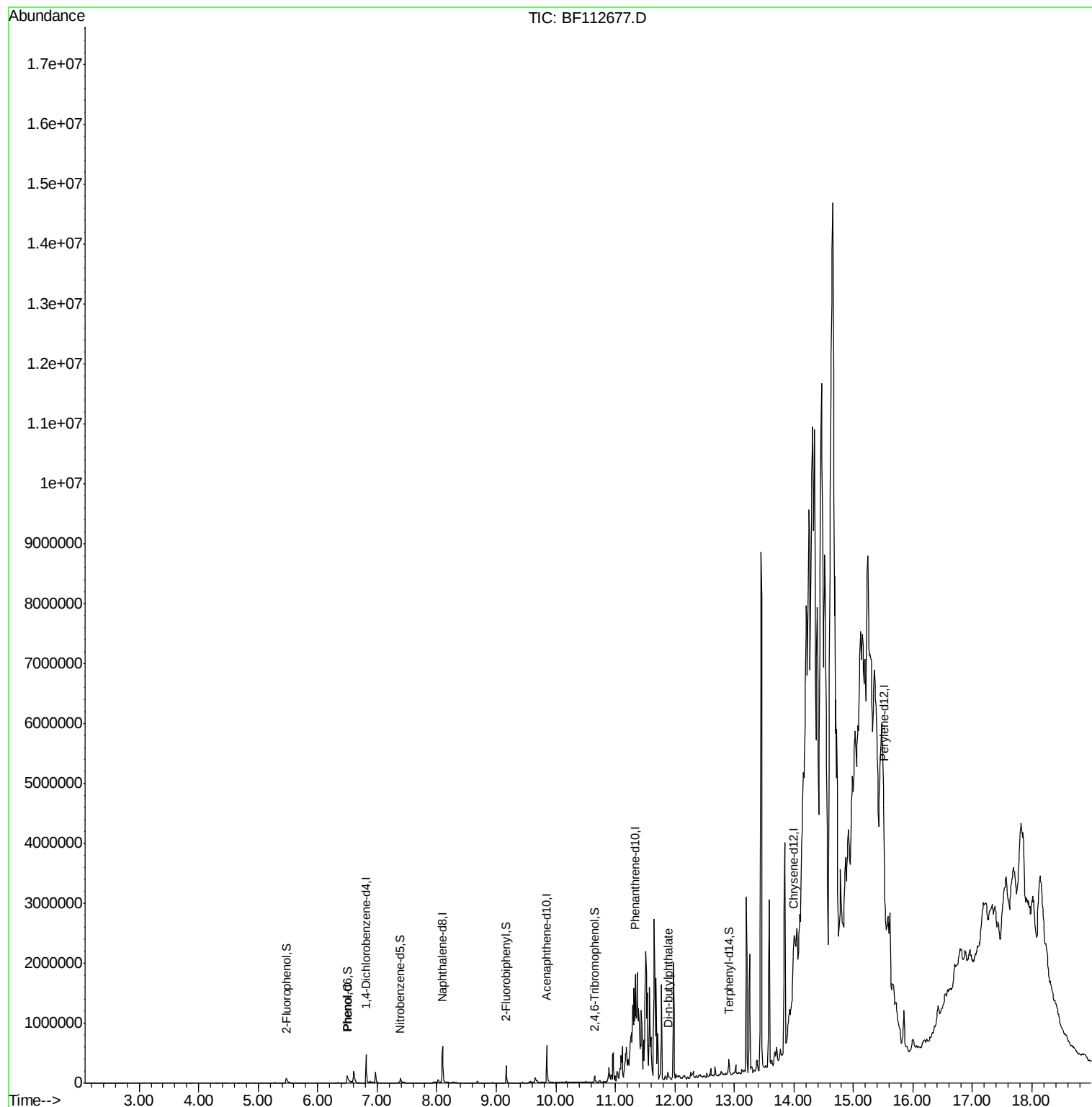
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 76945    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.10  | 136  | 306478   | 20.00 | ng    | -0.03    |
| 39) Acenaphthene-d10        | 9.85  | 164  | 127406   | 20.00 | ng    | -0.04    |
| 64) Phenanthrene-d10        | 11.34 | 188  | 187329   | 20.00 | ng    | -0.03    |
| 76) Chrysene-d12            | 13.99 | 240  | 159721   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 15.52 | 264  | 167696   | 20.00 | ng    | 0.04     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 57691    | 15.93 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 78083    | 15.51 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 48319    | 9.08  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 15601    | 10.52 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 98497    | 10.93 | ng    | -0.04    |
| 79) Terphenyl-d14           | 12.91 | 244  | 72146    | 8.51  | ng    | -0.04    |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.51  | 94   | 26690    | 4.833 | ng    | 80       |
| 74) Di-n-butylphthalate     | 11.89 | 149  | 57779    | 4.864 | ng    | 98       |

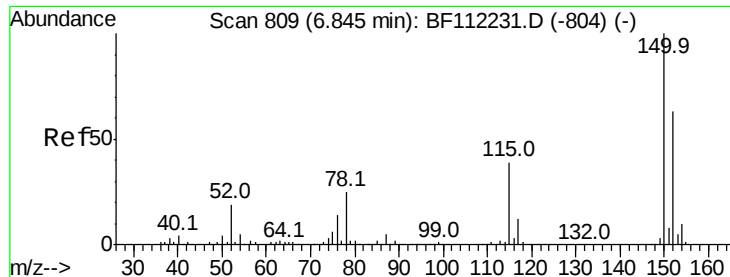
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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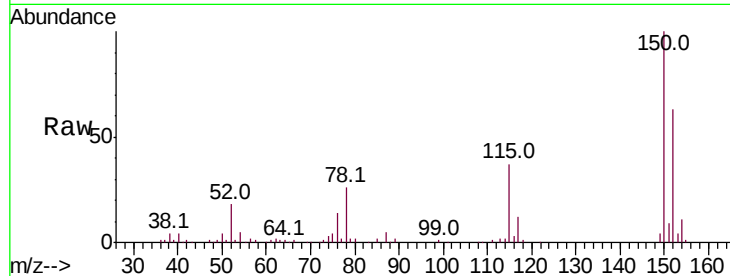


#1

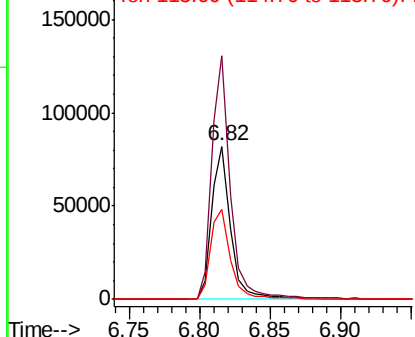
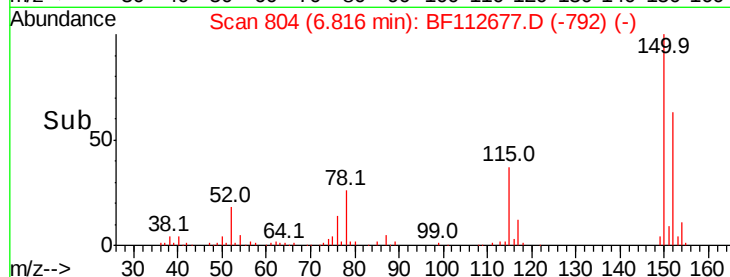
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: BF112677.D  
Acq: 22 Feb 2019 21:05

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

Tot Ion:152 Resp: 76945  
Ion Ratio Lower Upper  
152 100  
150 159.0 127.4 191.0  
115 58.7 45.5 68.3



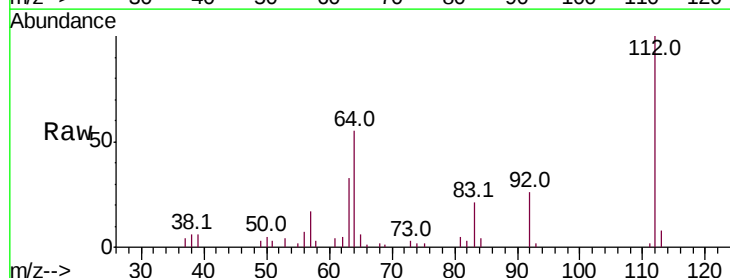
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



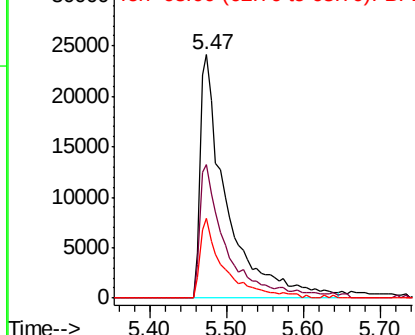
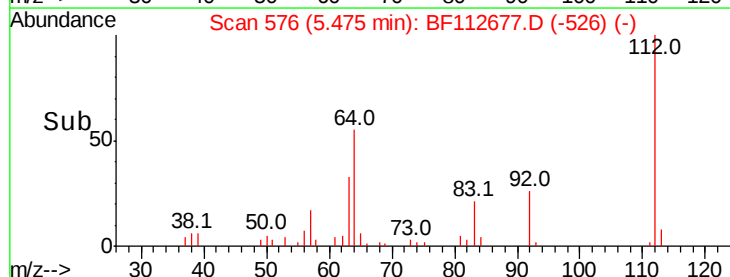
#5

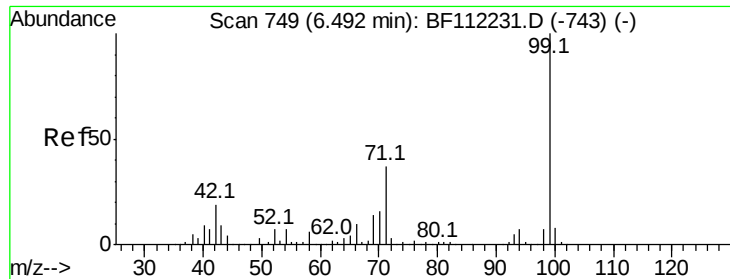
2-Fluorophenol  
Concen: 15.926 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: BF112677.D  
Acq: 22 Feb 2019 21:05

Tgt Ion:112 Resp: 57691  
Ion Ratio Lower Upper  
112 100  
64 54.9 45.7 68.5  
63 32.7 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: 15.512 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

Instrument :

BNA\_F

ClientSampled :

COMP-1

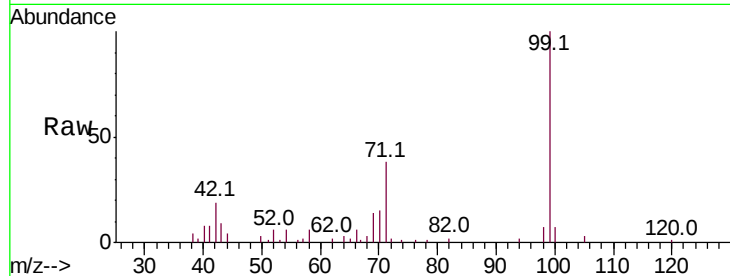
Tot Ion: 99 Resp: 78083

Ion Ratio Lower Upper

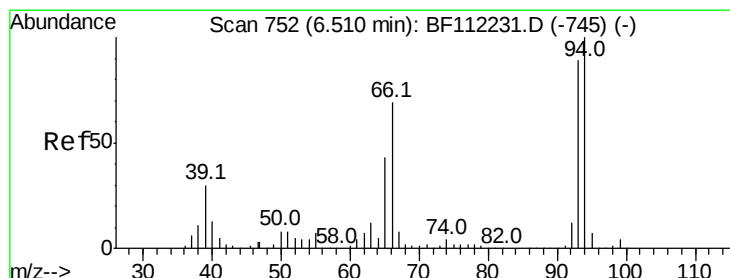
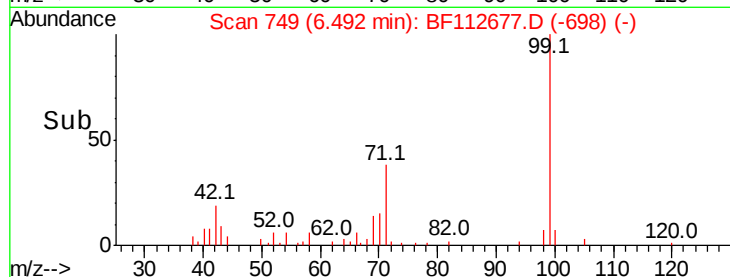
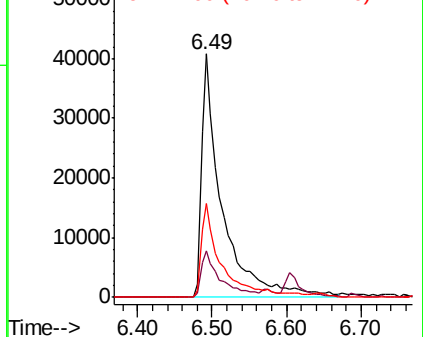
99 100

42 19.0 15.1 22.7

71 38.4 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



#10

Phenol

Concen: 4.833 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

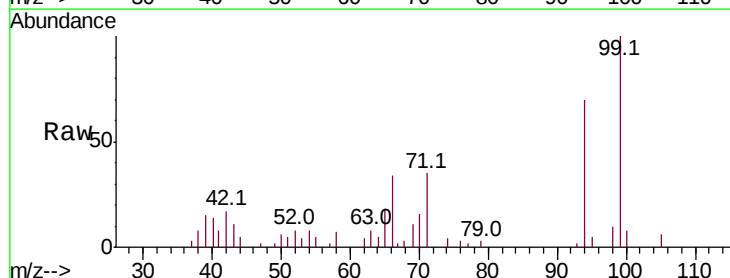
Tgt Ion: 94 Resp: 26690

Ion Ratio Lower Upper

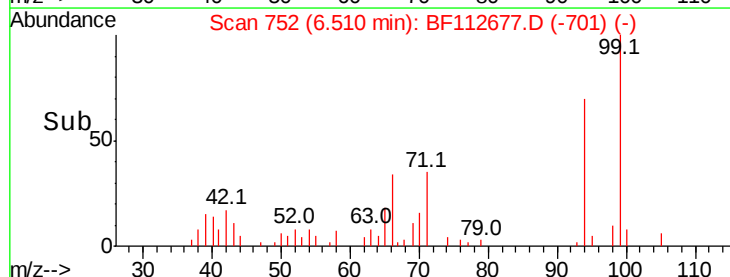
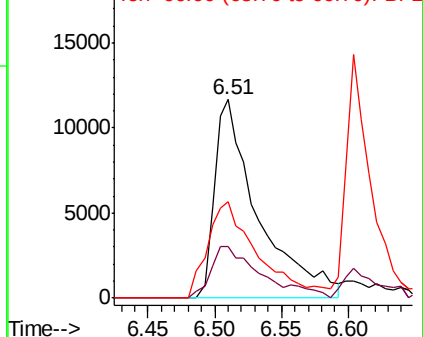
94 100

65 25.9 20.3 60.3

66 48.4 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

Instrument :

BNA\_F

ClientSampleId :

COMP-1

Tot Ion:136 Resp: 306478

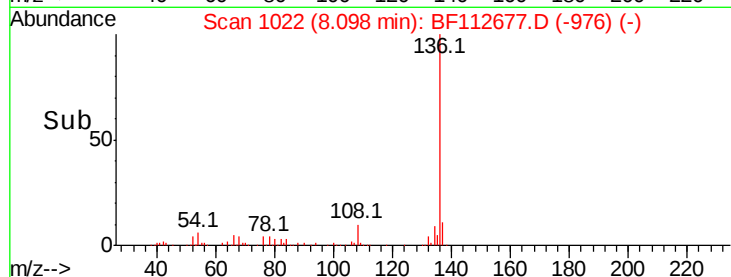
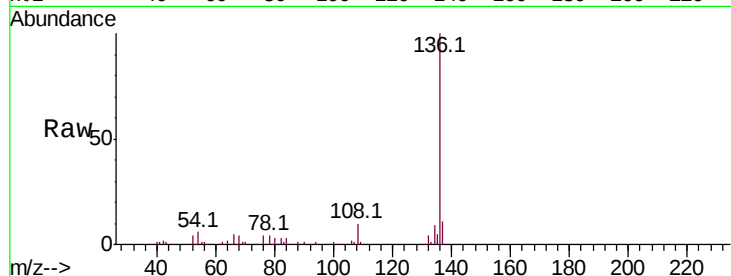
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.0 5.9 8.9

68 4.3 5.1 7.7#

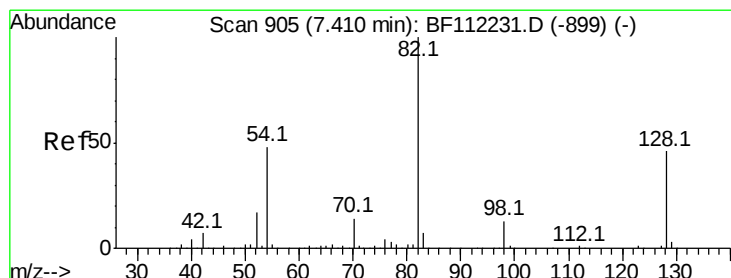
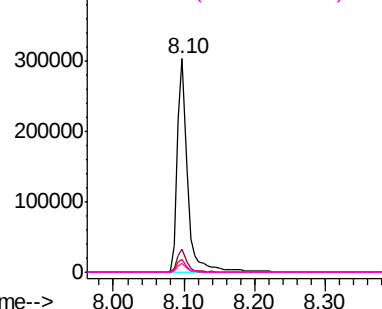


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.084 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112677.D

Acq: 22 Feb 2019 21:05

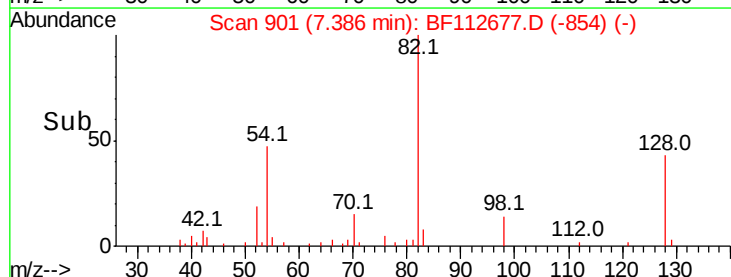
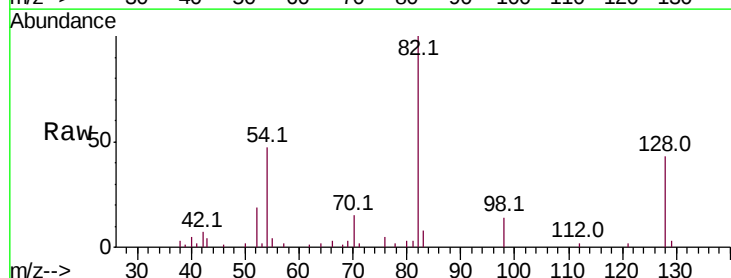
Tgt Ion: 82 Resp: 48319

Ion Ratio Lower Upper

82 100

128 43.1 37.8 56.8

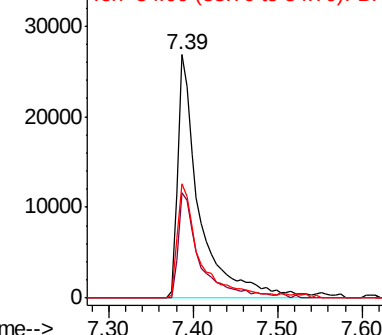
54 47.1 39.7 59.5

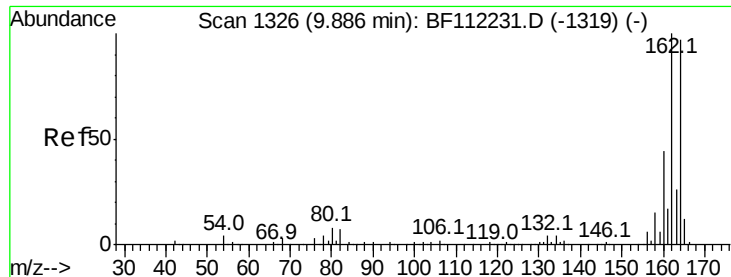


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

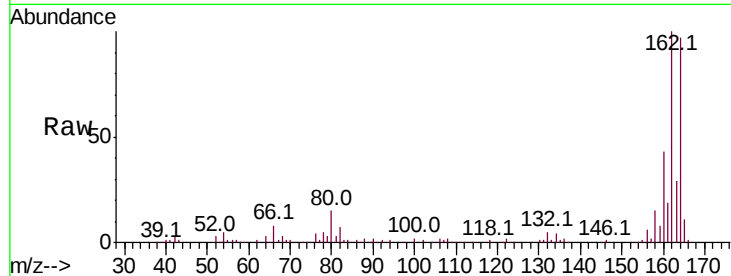




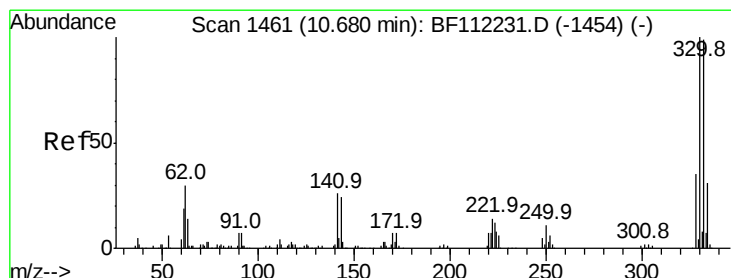
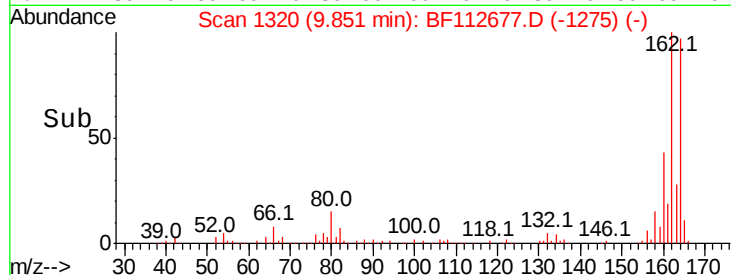
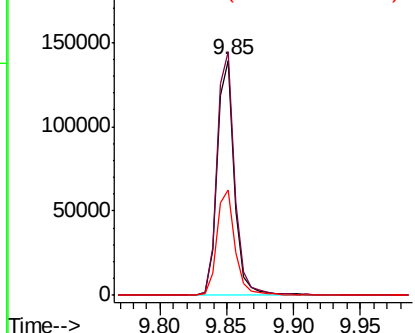
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.04 min  
 Lab File: BF112677.D  
 Acq: 22 Feb 2019 21:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1

Tot Ion:164 Resp: 127406  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 82.2 123.4  
 160 44.8 36.2 54.4

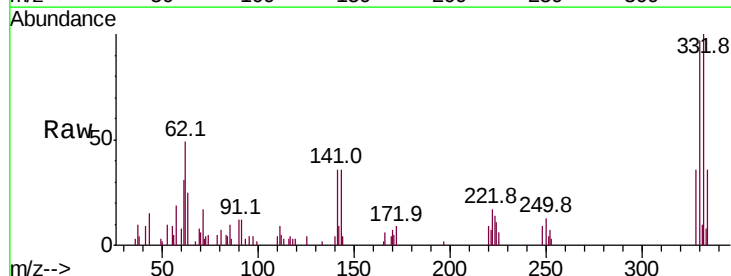


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

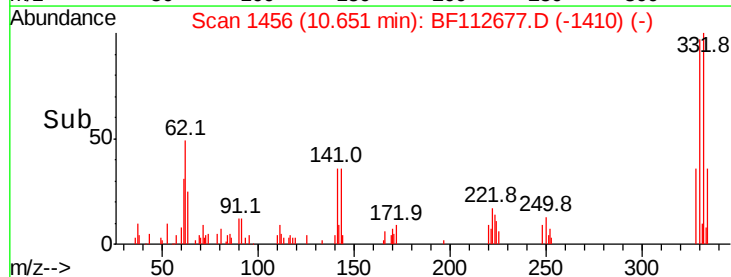
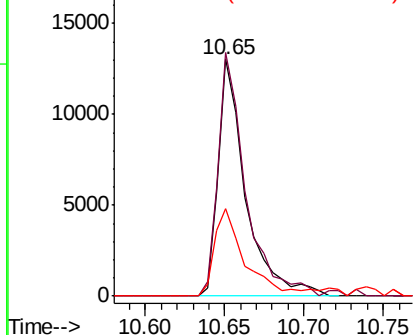


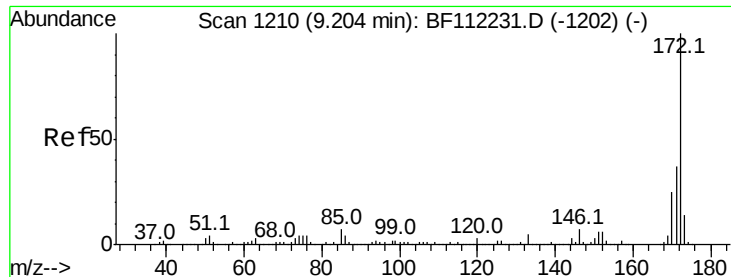
#42  
 2,4,6-Tribromophenol  
 Concen: 10.520 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. -0.03 min  
 Lab File: BF112677.D  
 Acq: 22 Feb 2019 21:05

Tgt Ion:330 Resp: 15601  
 Ion Ratio Lower Upper  
 330 100  
 332 103.4 76.6 114.8  
 141 40.6 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

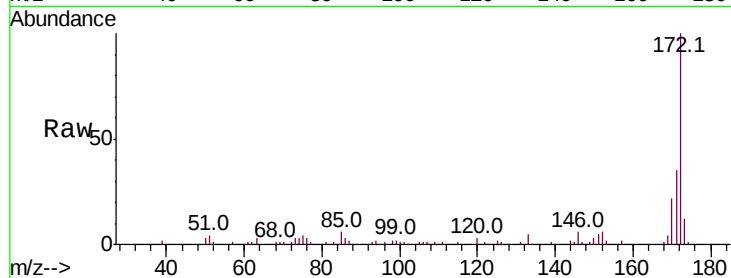




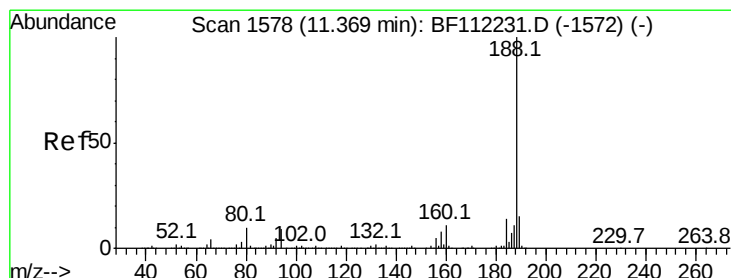
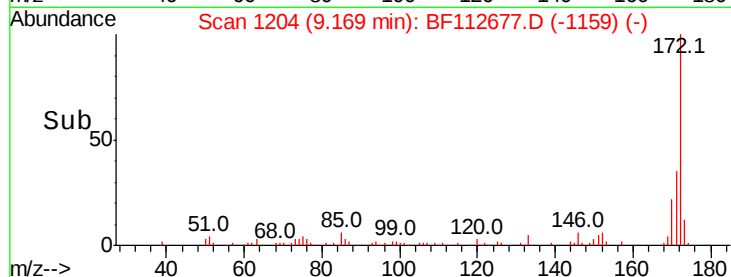
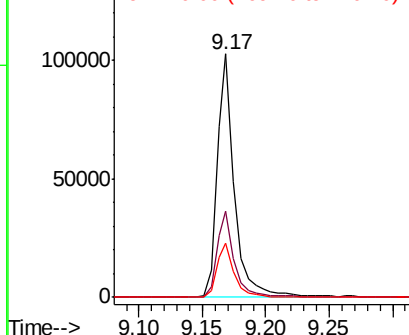
#45  
 2-Fluorobiphenyl  
 Concen: 10.934 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.04 min  
 Lab File: BF112677.D  
 Acq: 22 Feb 2019 21:05

Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

Tot Ion:172 Resp: 98497  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 30.5 45.7  
 170 22.5 20.2 30.4

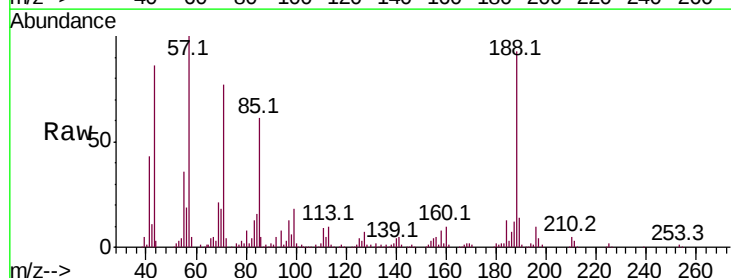


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

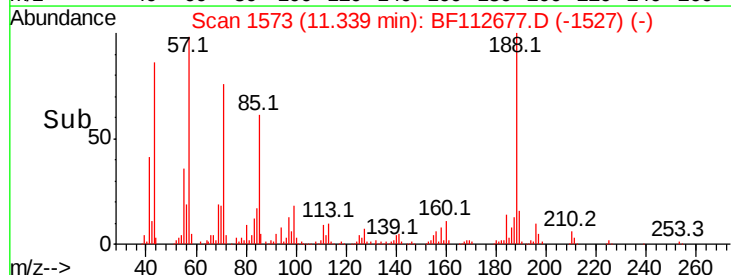
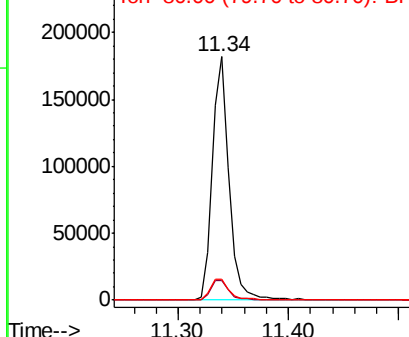


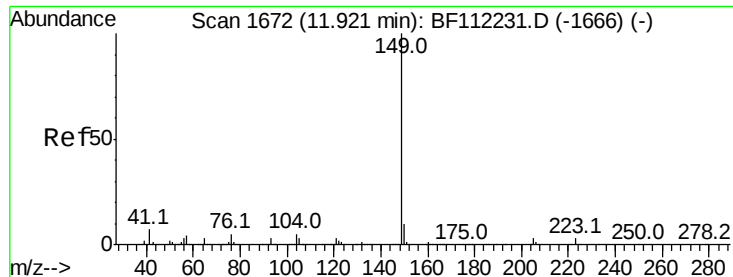
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.34 min Scan# 1573  
 Delta R.T. -0.03 min  
 Lab File: BF112677.D  
 Acq: 22 Feb 2019 21:05

Tgt Ion:188 Resp: 187329  
 Ion Ratio Lower Upper  
 188 100  
 94 8.3 8.2 12.2  
 80 8.8 8.9 13.3#



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

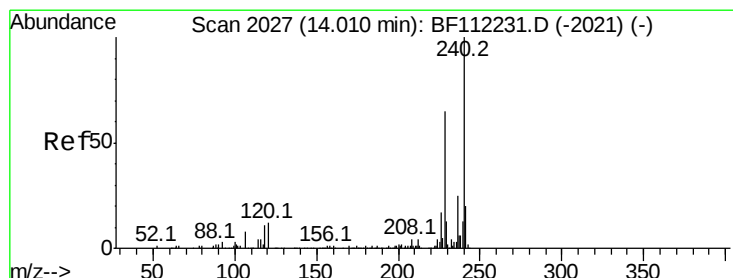
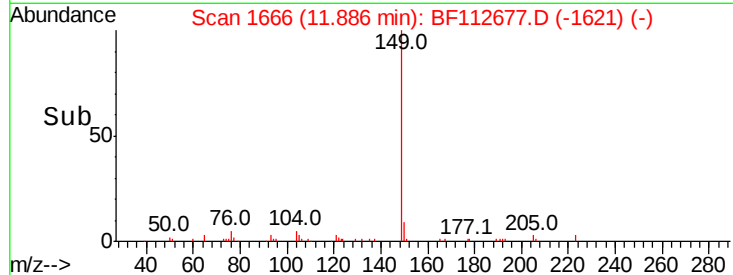
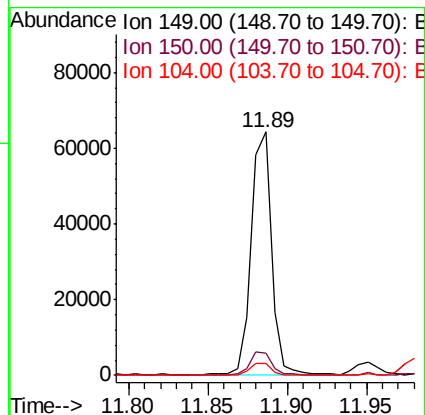
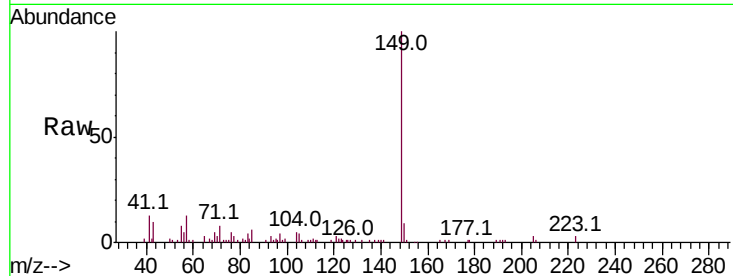




#74  
Di-n-butylphthalate  
Concen: 4.864 ng  
RT: 11.89 min Scan# 1666  
Delta R.T. -0.04 min  
Lab File: BF112677.D  
Acq: 22 Feb 2019 21:05

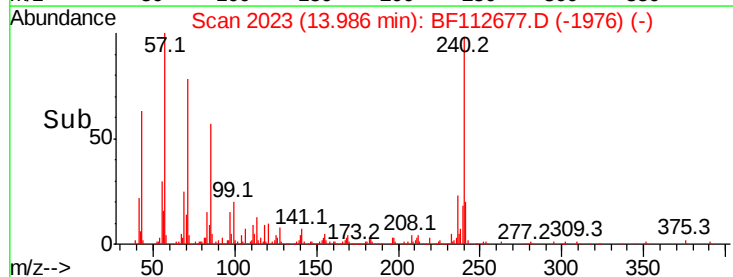
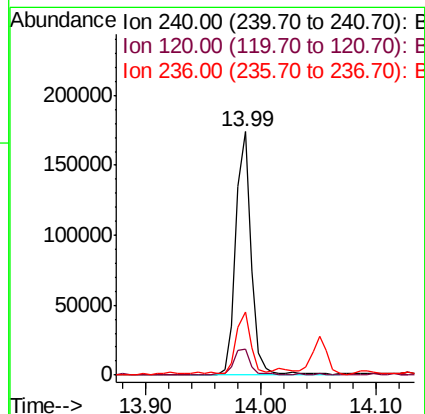
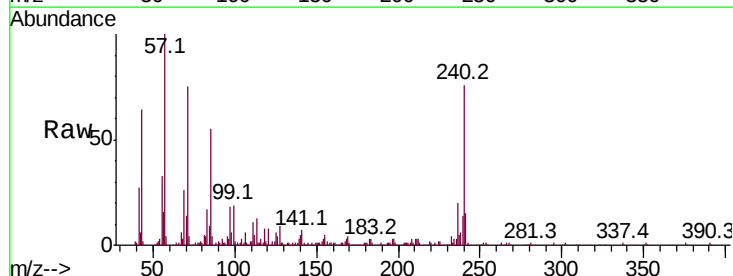
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

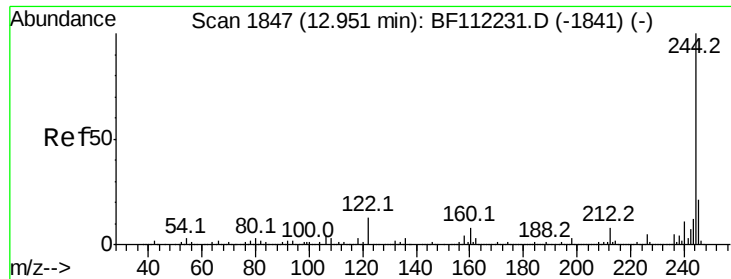
Tot Ion:149 Resp: 57779  
Ion Ratio Lower Upper  
149 100  
150 9.2 8.1 12.1  
104 5.1 3.9 5.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.02 min  
Lab File: BF112677.D  
Acq: 22 Feb 2019 21:05

Tgt Ion:240 Resp: 159721  
Ion Ratio Lower Upper  
240 100  
120 10.5 9.0 13.6  
236 25.9 20.7 31.1

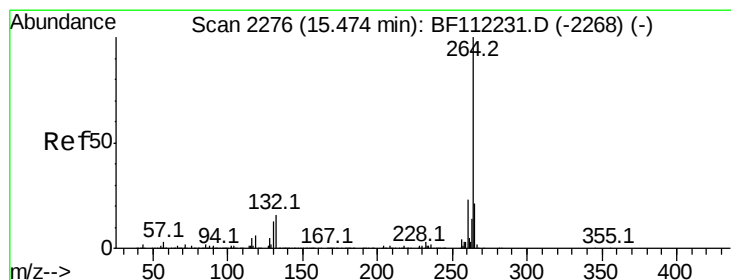
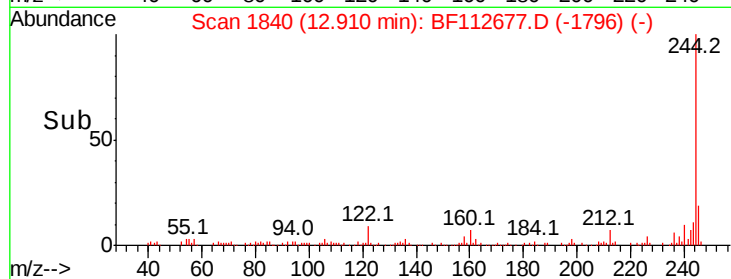
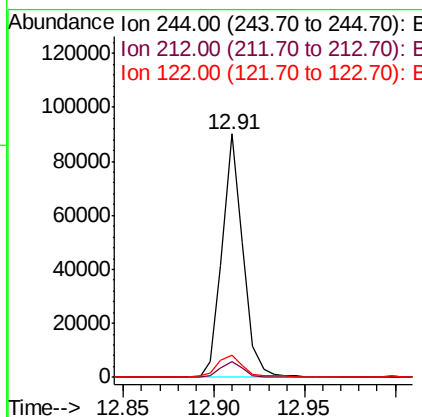
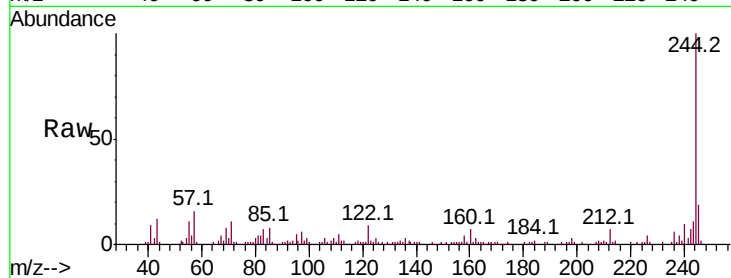




#79  
 Terphenyl-d14  
 Concen: 8.508 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: BF112677.D  
 Acq: 22 Feb 2019 21:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1

Tot Ion:244 Resp: 72146  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.9 8.9  
 122 8.9 9.8 14.6#



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.52 min Scan# 2283  
 Delta R.T. 0.04 min  
 Lab File: BF112677.D  
 Acq: 22 Feb 2019 21:05

Tgt Ion:264 Resp: 167696  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.2 27.2  
 265 20.4 17.0 25.4

