

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF012919\  
 Data File : BF112304.D  
 Acq On : 29 Jan 2019 19:25  
 Operator : JU/SJ  
 Sample : K1260-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-J09

Quant Time: Jan 30 00:10:18 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

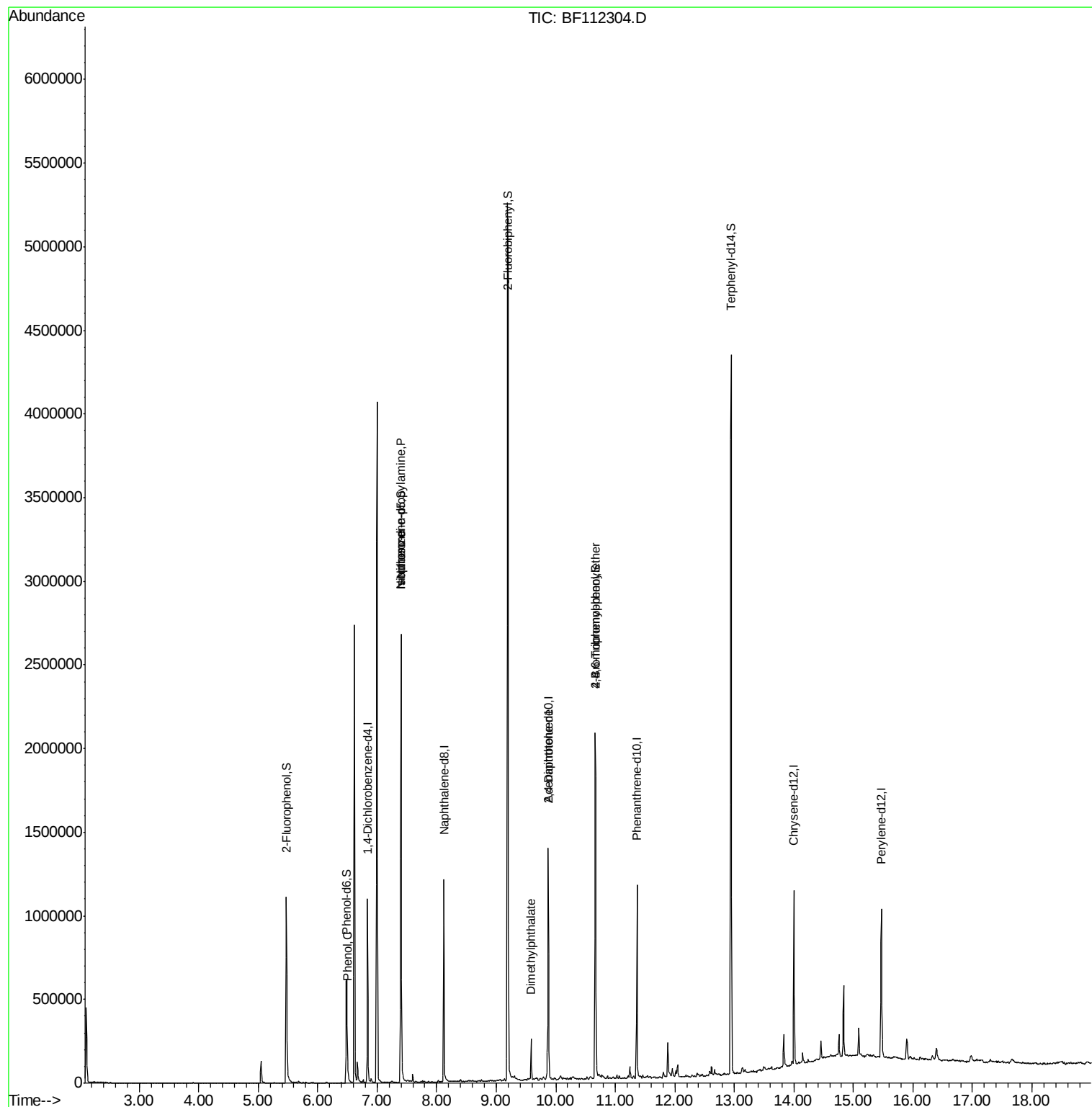
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.84  | 152  | 164553   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 588563   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.87  | 164  | 266318   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.36 | 188  | 442274   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.00 | 240  | 372244   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.47 | 264  | 346422   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 354709   | 45.79  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 256027   | 23.78  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 954743   | 93.47  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 274909   | 88.68  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 1856910  | 98.62  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.94 | 244  | 1440950  | 72.91  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.50  | 94   | 34058    | 2.884  | ng    | 80       |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 131092   | 17.660 | ng    | # 75     |
| 25) Isophorone                 | 7.40  | 82   | 949530   | 59.255 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.59  | 163  | 98442    | 4.758  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 33312    | 5.647  | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether  | 10.66 | 248  | 17097    | 3.287  | ng    | # 1      |

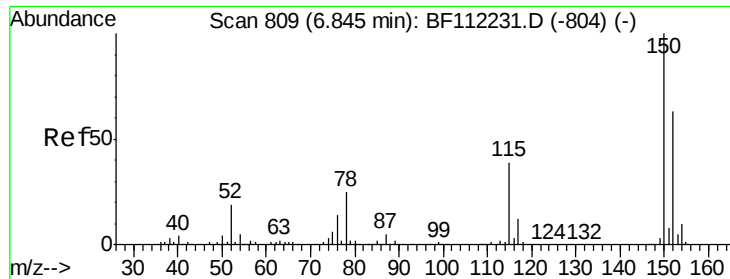
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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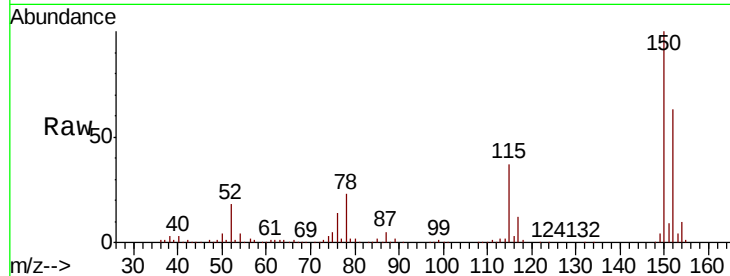


#1

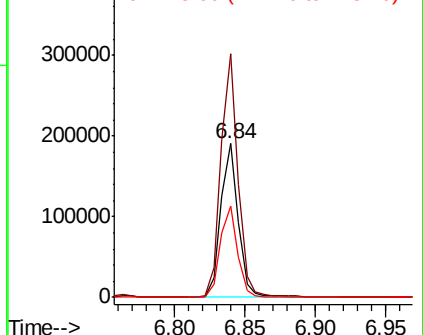
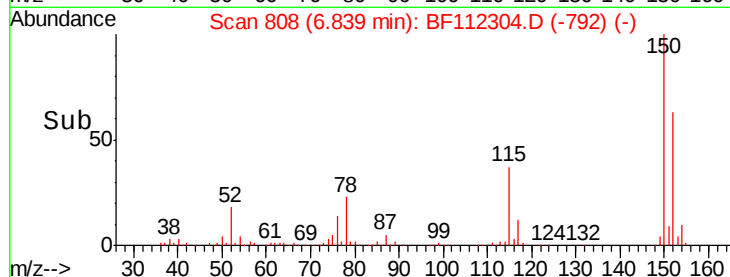
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF112304.D  
Acq: 29 Jan 2019 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
MH-J09

Tgt Ion:152 Resp: 164553  
Ion Ratio Lower Upper  
152 100  
150 158.6 127.4 191.0  
115 59.3 45.5 68.3



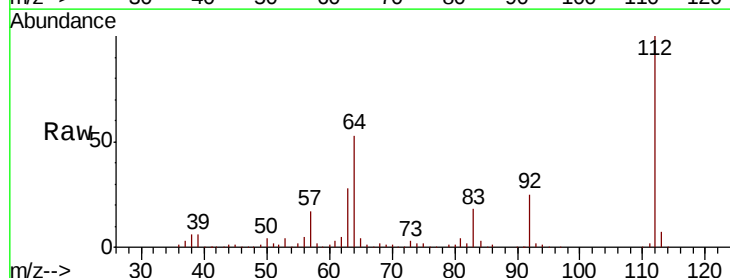
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



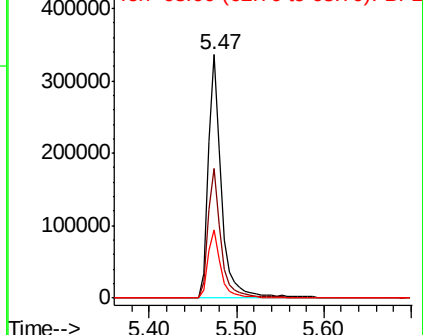
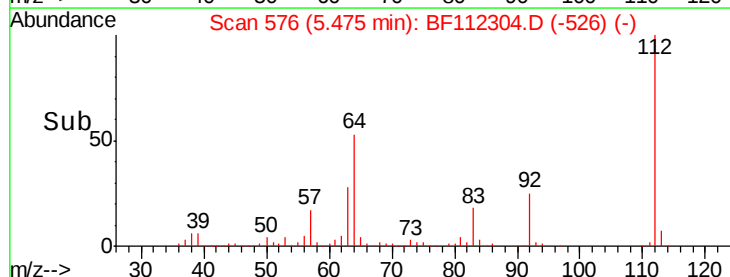
#5

2-Fluorophenol  
Concen: 45.786 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: BF112304.D  
Acq: 29 Jan 2019 19:25

Tgt Ion:112 Resp: 354709  
Ion Ratio Lower Upper  
112 100  
64 53.2 45.7 68.5  
63 28.0 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: 23.783 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112304.D

Acq: 29 Jan 2019 19:25

Instrument :

BNA\_F

ClientSampled :

MH-J09

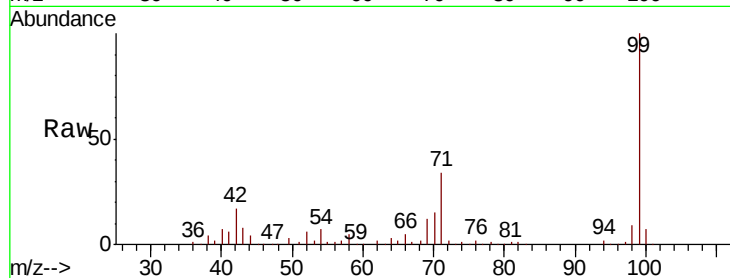
Tgt Ion: 99 Resp: 256027

Ion Ratio Lower Upper

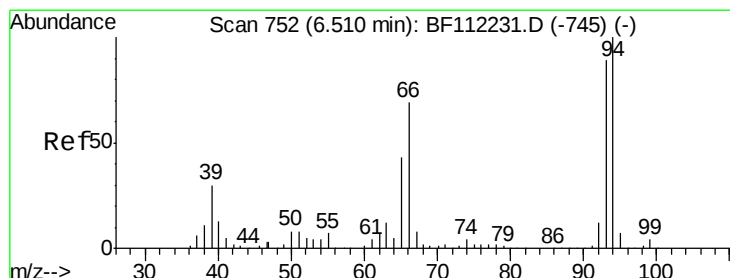
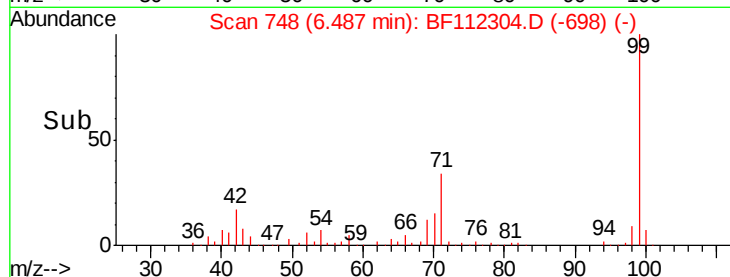
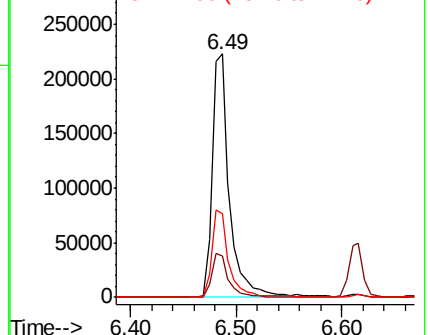
99 100

42 16.8 15.1 22.7

71 34.4 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: 2.884 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112304.D

Acq: 29 Jan 2019 19:25

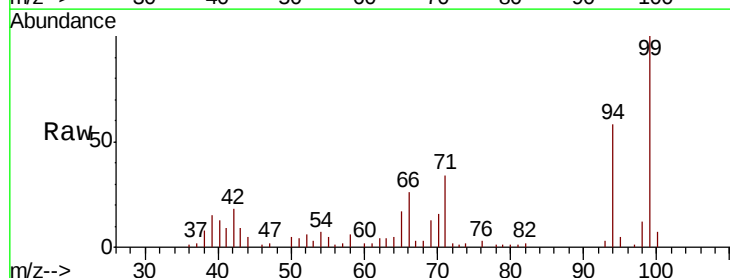
Tgt Ion: 94 Resp: 34058

Ion Ratio Lower Upper

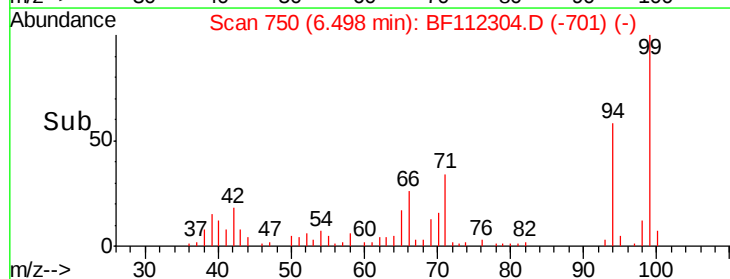
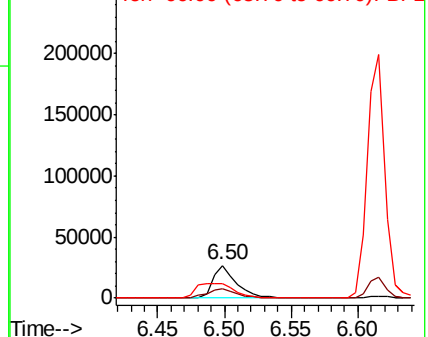
94 100

65 29.7 20.3 60.3

66 45.4 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

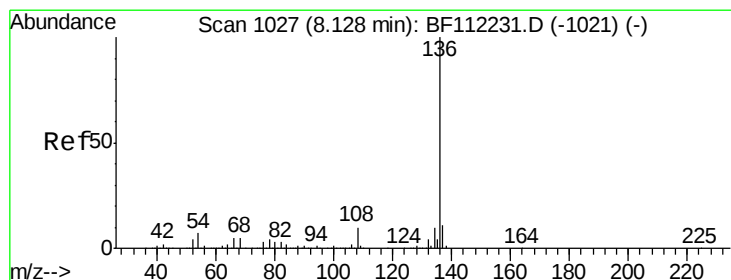
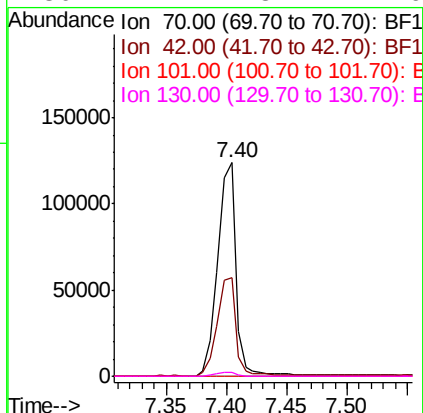
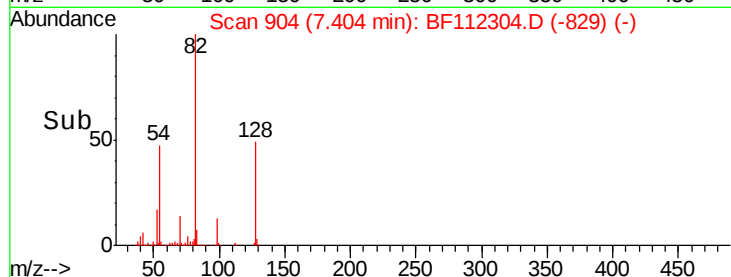
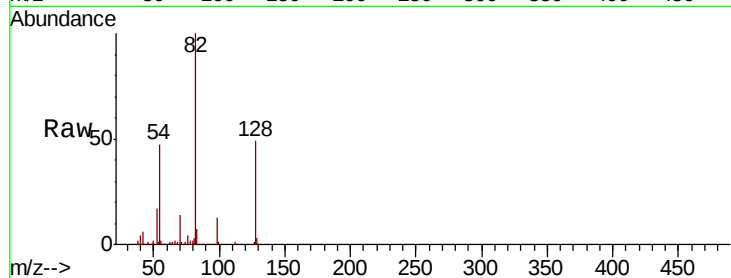




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.660 ng  
RT: 7.40 min Scan# 904  
Delta R.T. 0.14 min  
Lab File: BF112304.D  
Acq: 29 Jan 2019 19:25

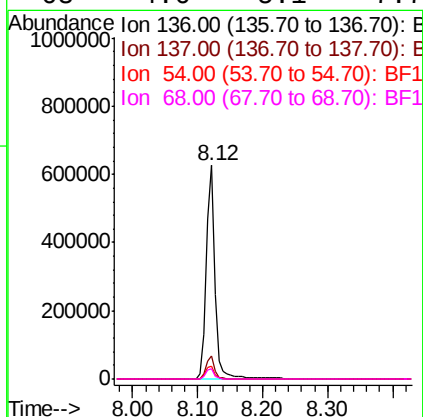
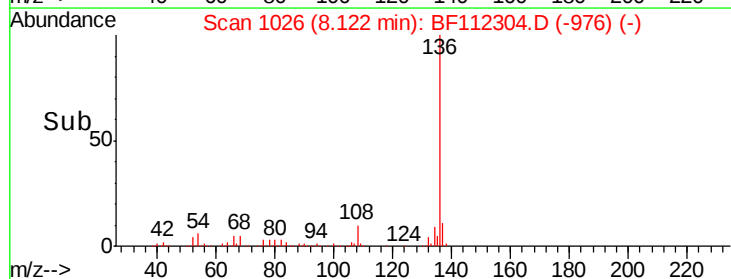
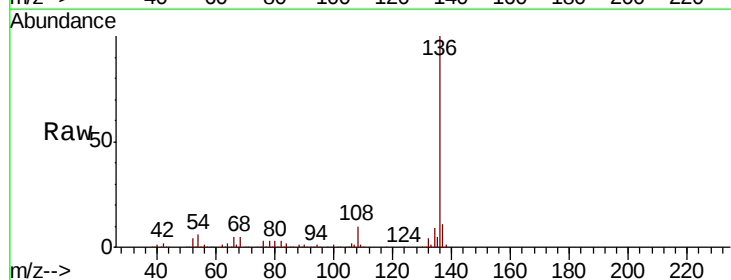
Instrument :  
BNA\_F  
ClientSampleId :  
MH-J09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 131092 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 46.0  | 47.6  | 71.4#  |
| 101      | 0.0   | 7.9   | 11.9#  |
| 130      | 2.1   | 18.4  | 27.6#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF112304.D  
Acq: 29 Jan 2019 19:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 588563 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.1   | 13.7   |
| 54       | 6.1   | 5.9   | 8.9    |
| 68       | 4.6   | 5.1   | 7.7#   |

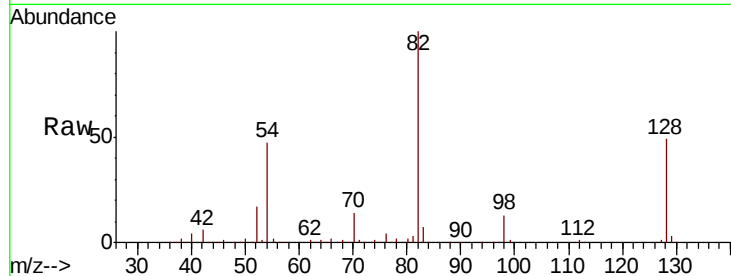




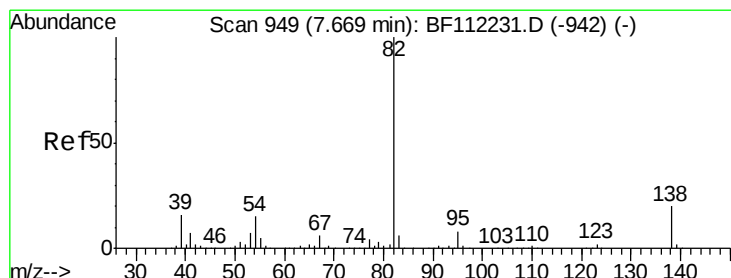
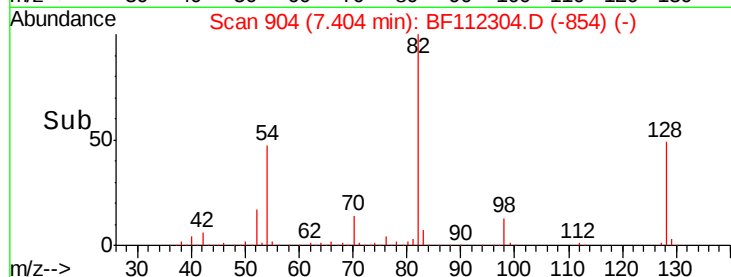
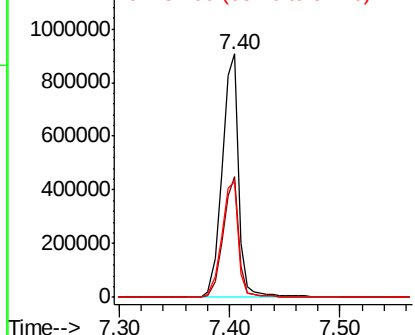
#23  
 Nitrobenzene-d5  
 Concen: 93.468 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-J09

Tgt Ion: 82 Resp: 954743  
 Ion Ratio Lower Upper  
 82 100  
 128 49.5 37.8 56.8  
 54 47.4 39.7 59.5

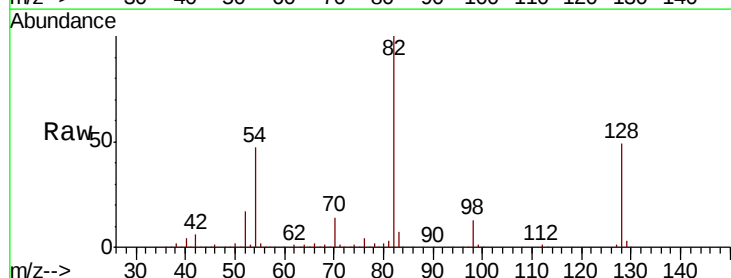


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

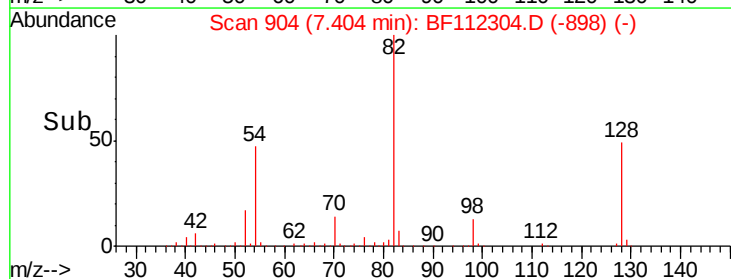
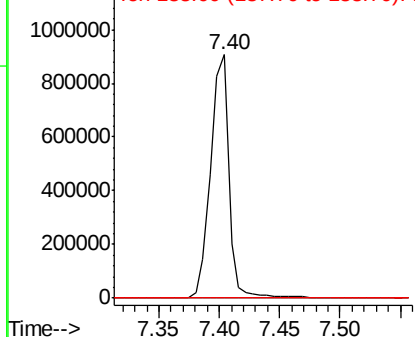


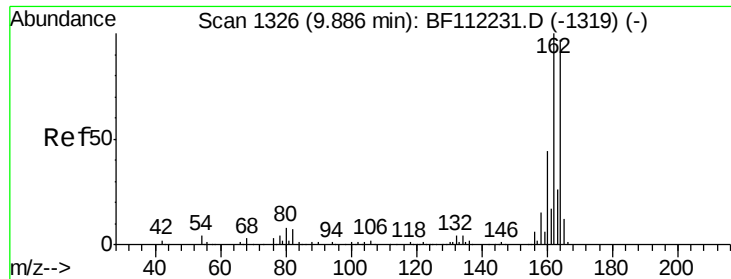
#25  
 Isophorone  
 Concen: 59.255 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.26 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

Tgt Ion: 82 Resp: 949530  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.7 8.5#  
 138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1

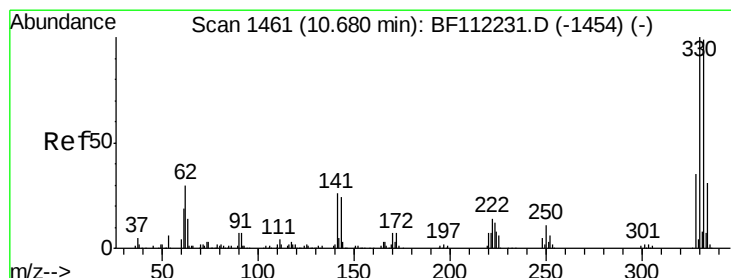
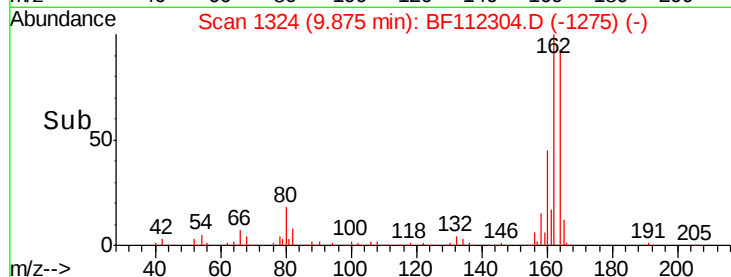
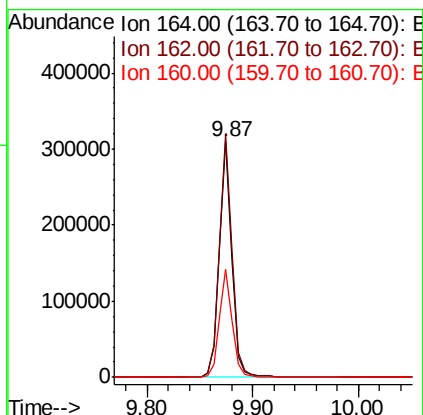
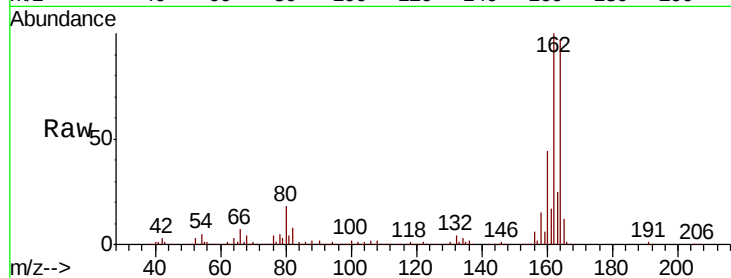




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

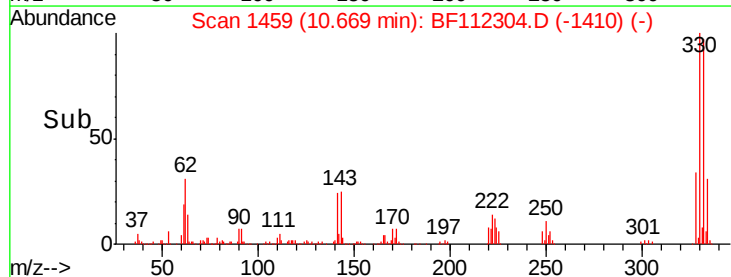
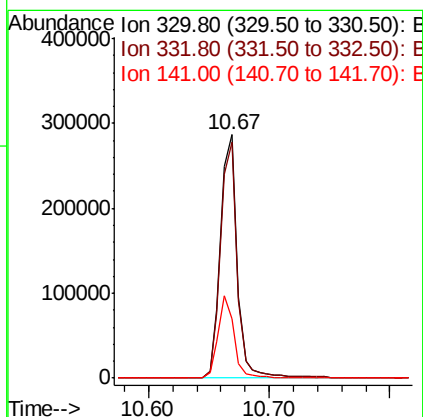
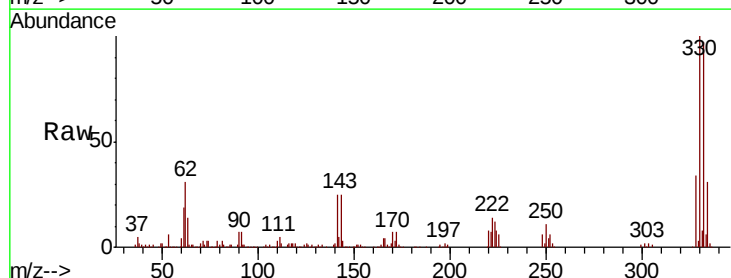
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-J09

Tgt Ion:164 Resp: 266318  
 Ion Ratio Lower Upper  
 164 100  
 162 103.4 82.2 123.4  
 160 45.8 36.2 54.4



#42  
 2,4,6-Tribromophenol  
 Concen: 88.684 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

Tgt Ion:330 Resp: 274909  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 76.6 114.8  
 141 32.3 24.3 36.5

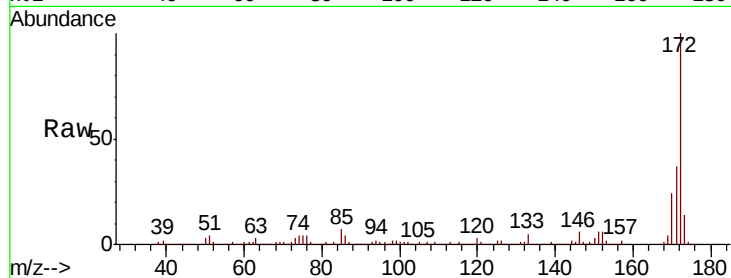




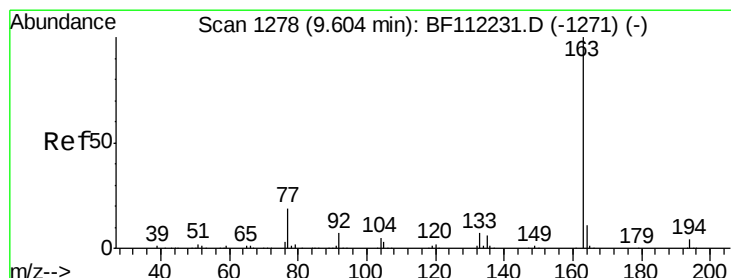
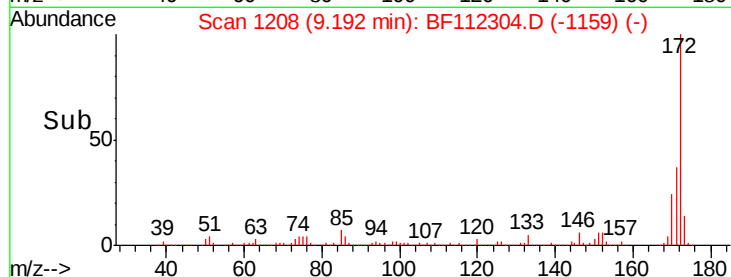
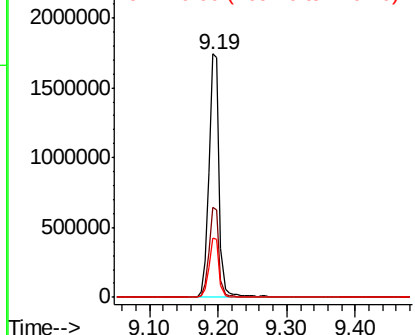
#45  
 2-Fluorobiphenyl  
 Concen: 98.615 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. -0.01 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-J09

Tgt Ion:172 Resp: 1856910  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 30.5 45.7  
 170 24.5 20.2 30.4

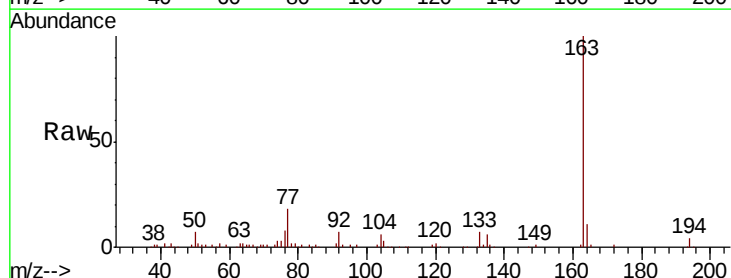


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

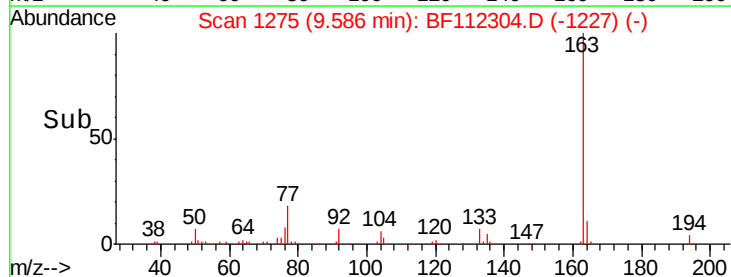
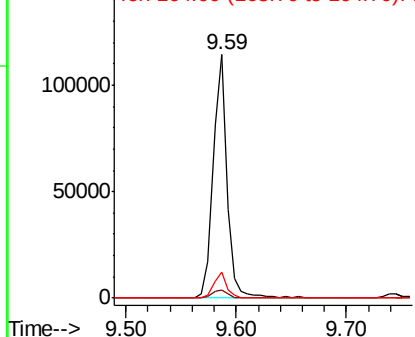


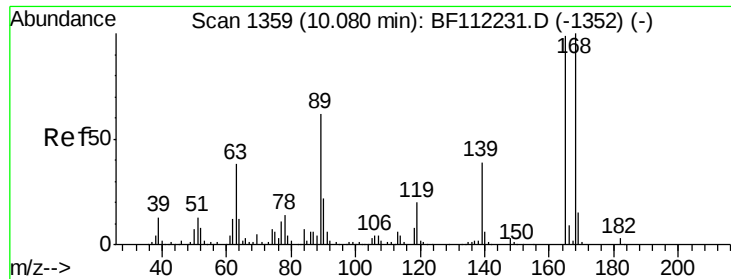
#50  
 Dimethylphthalate  
 Concen: 4.758 ng  
 RT: 9.59 min Scan# 1275  
 Delta R.T. -0.02 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

Tgt Ion:163 Resp: 98442  
 Ion Ratio Lower Upper  
 163 100  
 194 3.6 3.3 4.9  
 164 10.5 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

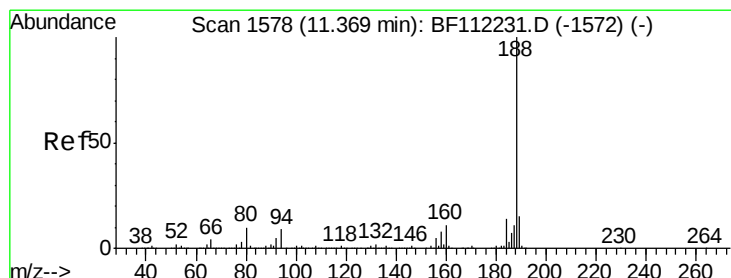
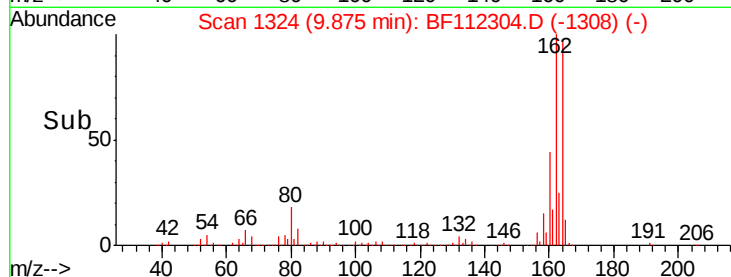
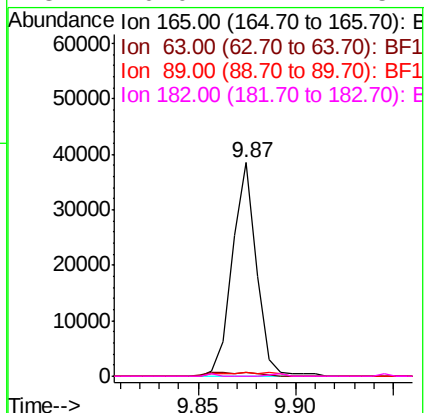
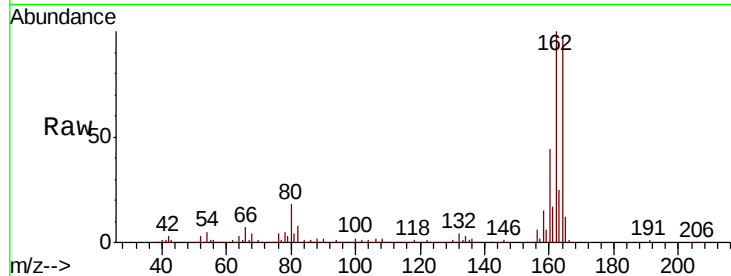




#57  
 2,4-Dinitrotoluene  
 Concen: 5.647 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.21 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

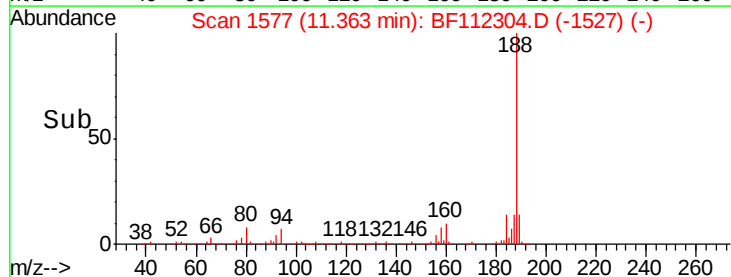
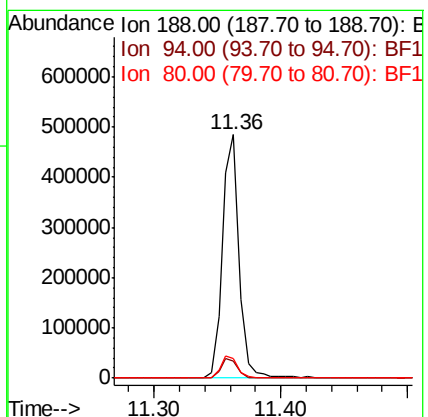
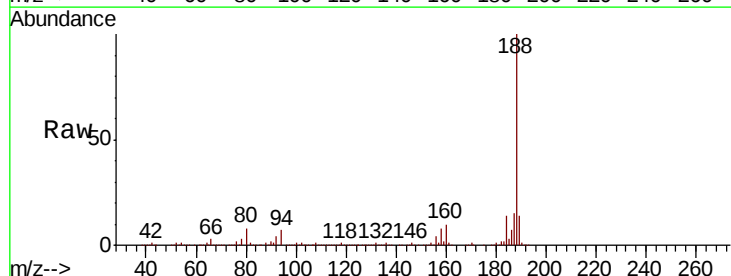
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-J09

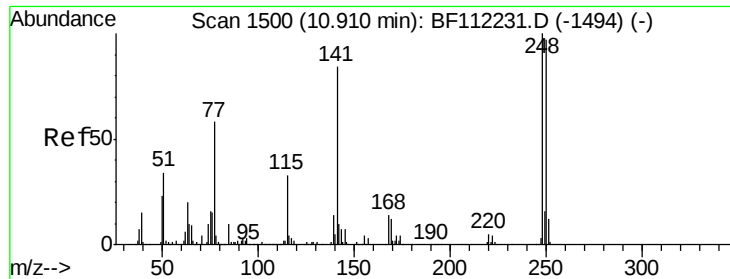
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 27.9  | 41.9# |
| 89      | 2.1   | 47.9  | 71.9# |
| 182     | 0.0   | 2.2   | 3.4#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF112304.D  
 Acq: 29 Jan 2019 19:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.2   | 8.2   | 12.2# |
| 80      | 8.0   | 8.9   | 13.3# |

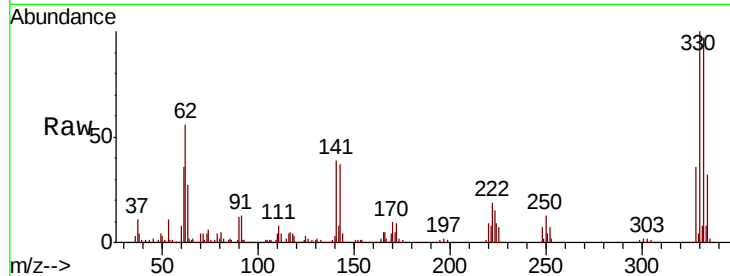




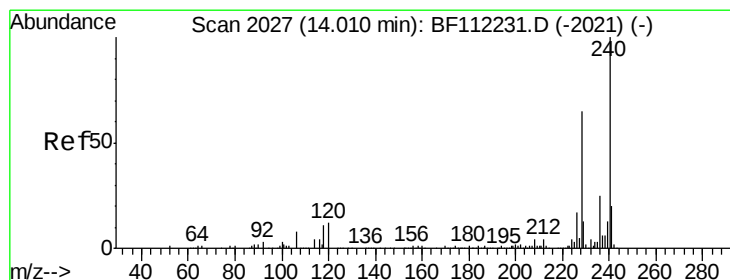
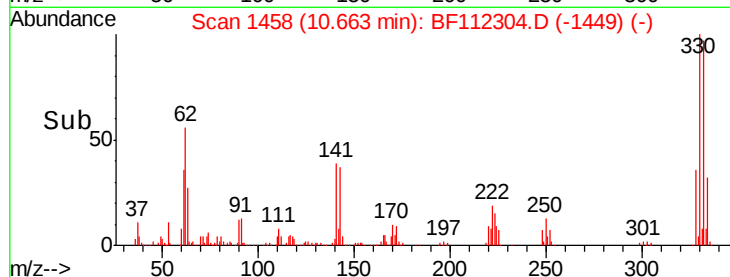
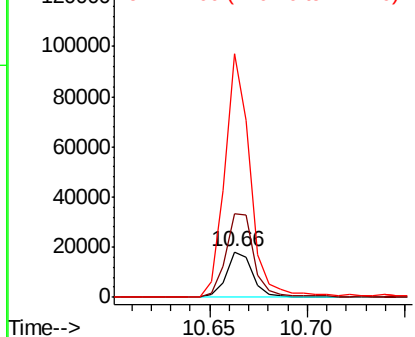
#67  
4-Bromophenyl-phenylether  
Concen: 3.287 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.25 min  
Lab File: BF112304.D  
Acq: 29 Jan 2019 19:25

Instrument :  
BNA\_F  
ClientSampleId :  
MH-J09

Tgt Ion:248 Resp: 17097  
Ion Ratio Lower Upper  
248 100  
250 183.9 79.7 119.5#  
141 538.6 60.3 90.5#

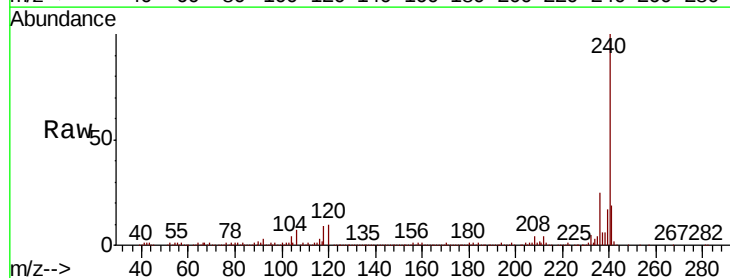


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

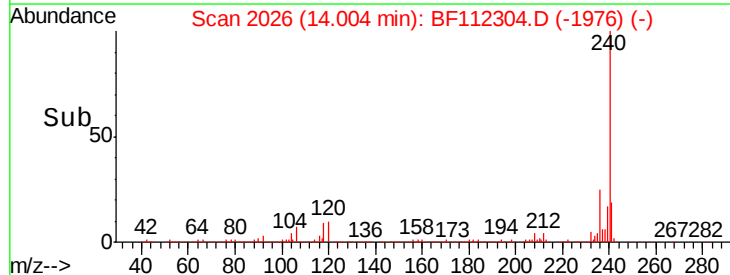
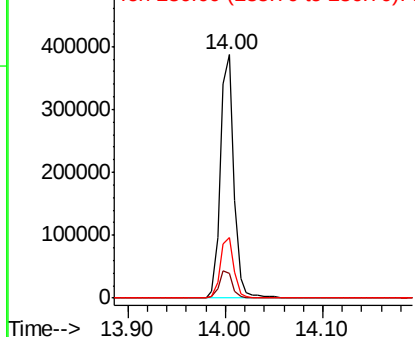


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2026  
Delta R.T. -0.01 min  
Lab File: BF112304.D  
Acq: 29 Jan 2019 19:25

Tgt Ion:240 Resp: 372244  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.0 13.6  
236 25.1 20.7 31.1



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: 72.908 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112304.D

Acq: 29 Jan 2019 19:25

Instrument :

BNA\_F

ClientSampleId :

MH-J09

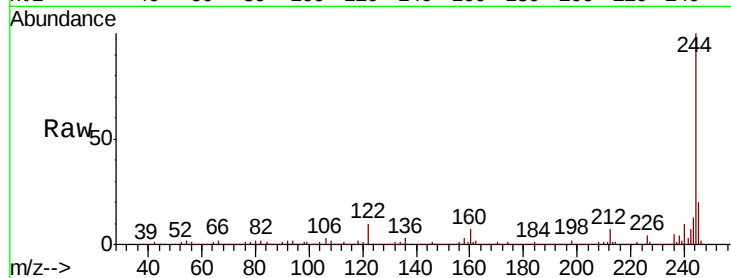
Tgt Ion:244 Resp: 1440950

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

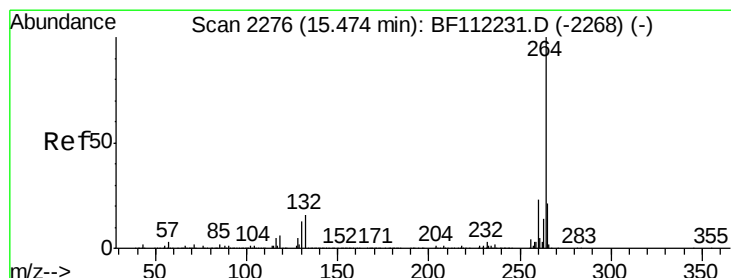
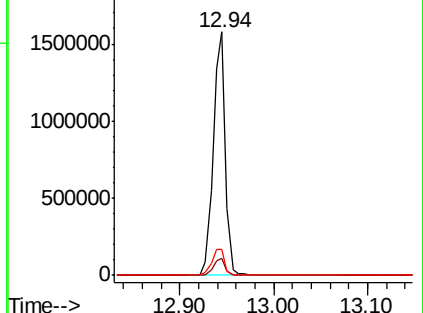
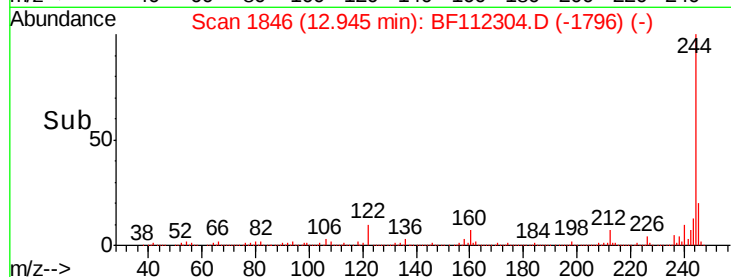
122 10.5 9.8 14.6



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112304.D

Acq: 29 Jan 2019 19:25

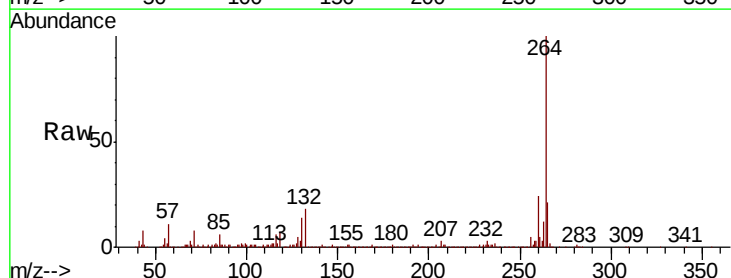
Tgt Ion:264 Resp: 346422

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 21.4 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

