

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\  
 Data File : BF111914.D  
 Acq On : 8 Jan 2019 18:28  
 Operator : JU/SJ  
 Sample : K1074-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 09 00:58:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 07 14:33:51 2019  
 Response via : Initial Calibration

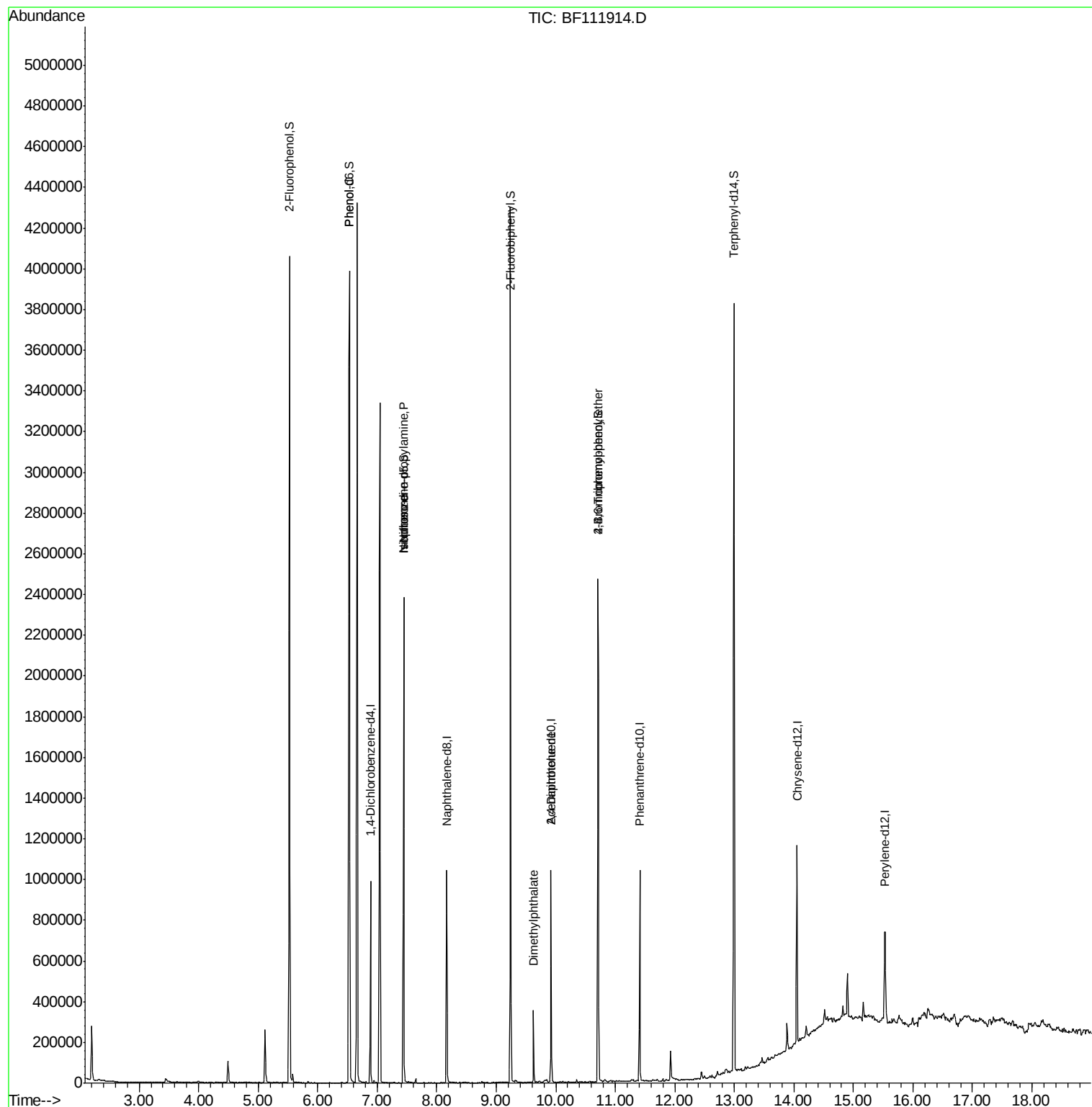
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 140761   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 451012   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.92  | 164  | 195840   | 20.00     | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.41 | 188  | 376482   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 14.05 | 240  | 329821   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.53 | 264  | 229881   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 1155257  | 140.41    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.53  | 99   | 1422455  | 134.14    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 765841   | 90.75     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.72 | 330  | 309527   | 121.51    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.24  | 172  | 1308451  | 97.43     | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.99 | 244  | 1244246  | 71.61     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.53  | 77   | 2851     | Below Cal |       | Qvalue   |
| 10) Phenol                     | 6.54  | 94   | 45991    | 3.990 ng  | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 104612   | 15.183 ng | #     | 95       |
| 25) Isophorone                 | 7.45  | 82   | 761827   | 55.750 ng | #     | 77       |
| 50) Dimethylphthalate          | 9.63  | 163  | 124123   | 8.437 ng  | #     | 65       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 24351    | 5.728 ng  | #     | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.71 | 248  | 18447    | 3.783 ng  | #     | 27       |
|                                |       |      |          |           | #     | 1        |

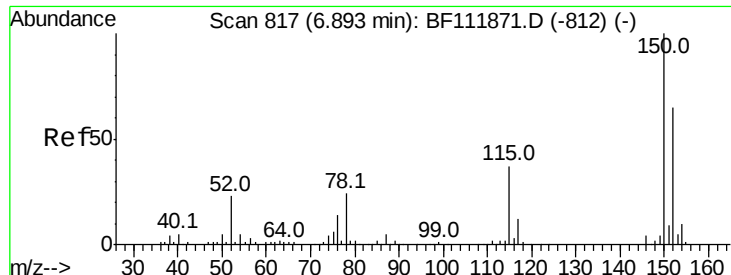
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :

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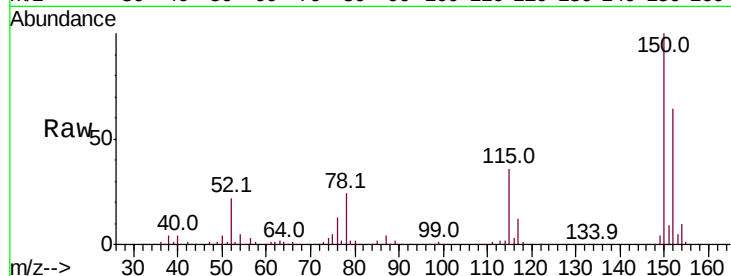


#1

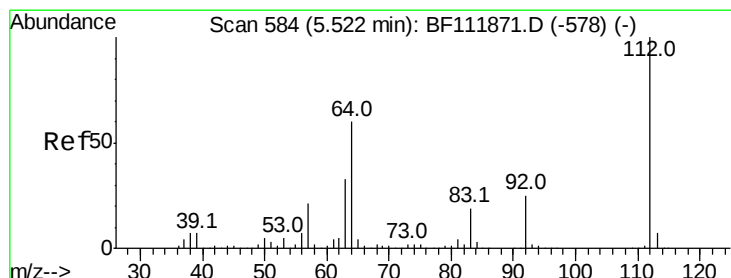
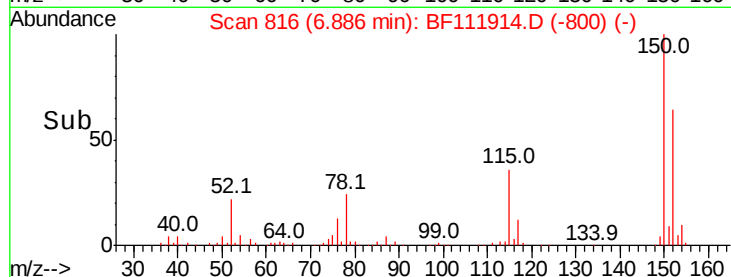
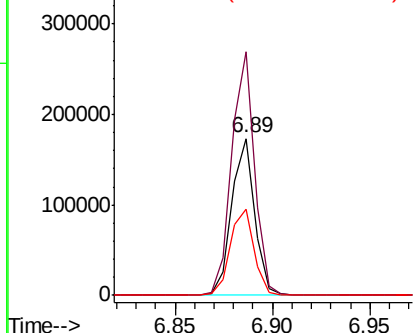
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 140761  
Ion Ratio Lower Upper  
152 100  
150 155.4 122.7 184.1  
115 55.2 45.2 67.8



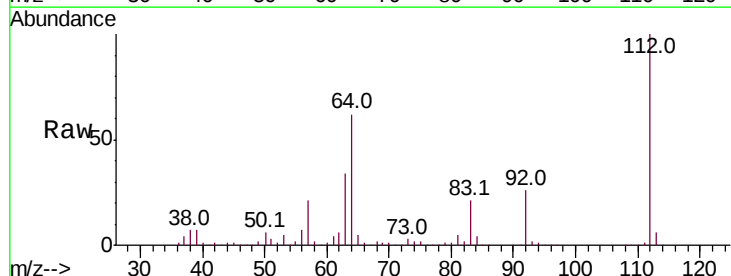
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



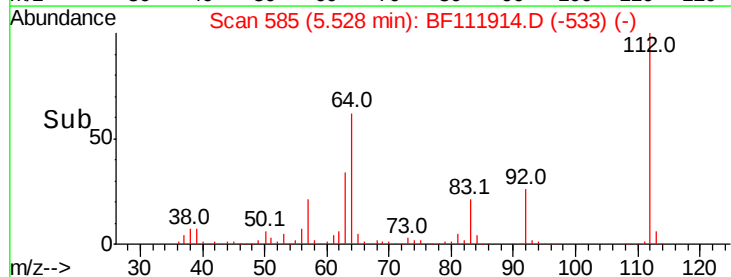
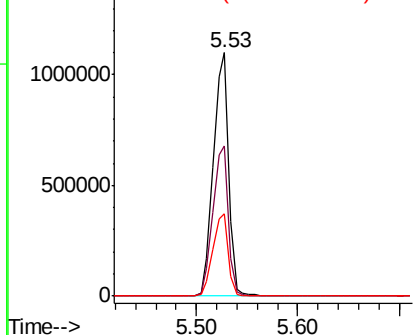
#5

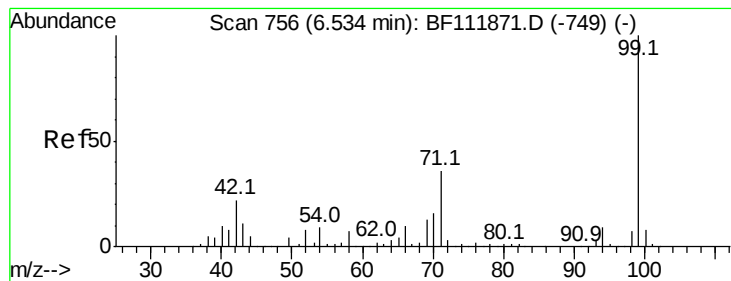
2-Fluorophenol  
Concen: 140.410 ng  
RT: 5.53 min Scan# 585  
Delta R.T. 0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Tgt Ion:112 Resp: 1155257  
Ion Ratio Lower Upper  
112 100  
64 61.9 48.3 72.5  
63 34.1 26.1 39.1



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: 134.136 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111914.D

Acq: 8 Jan 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

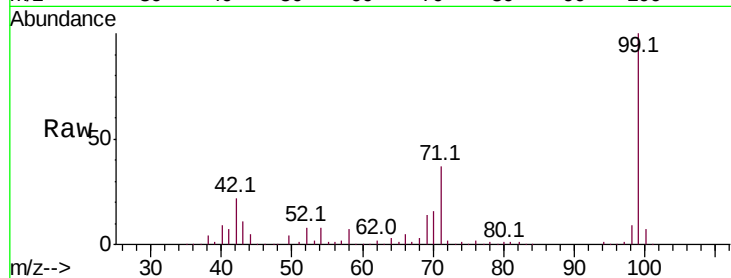
Tot Ion: 99 Resp: 1422455

Ion Ratio Lower Upper

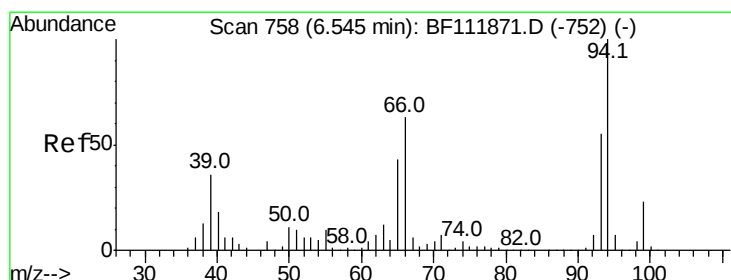
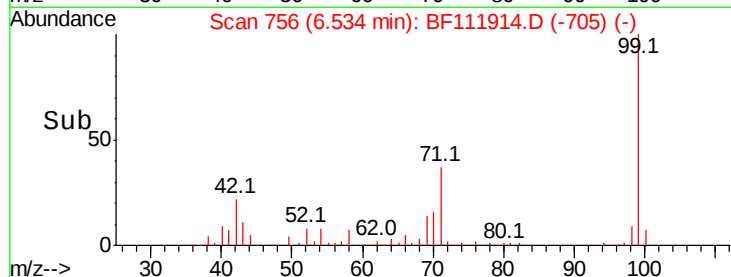
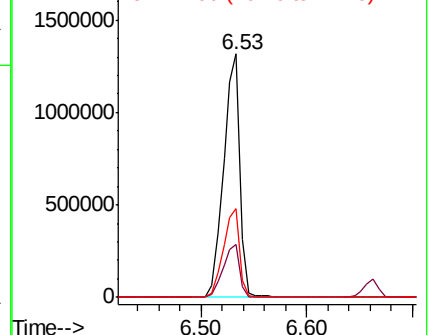
99 100

42 21.9 17.9 26.9

71 36.7 28.7 43.1



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: 3.990 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111914.D

Acq: 8 Jan 2019 18:28

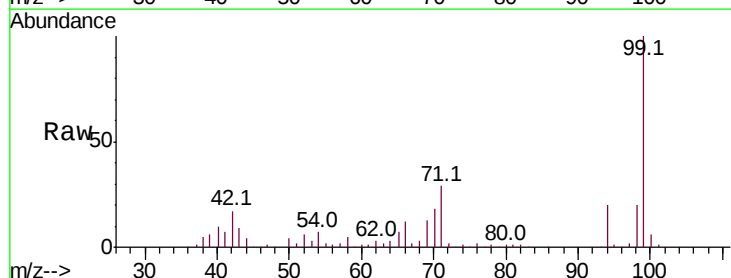
Tgt Ion: 94 Resp: 45991

Ion Ratio Lower Upper

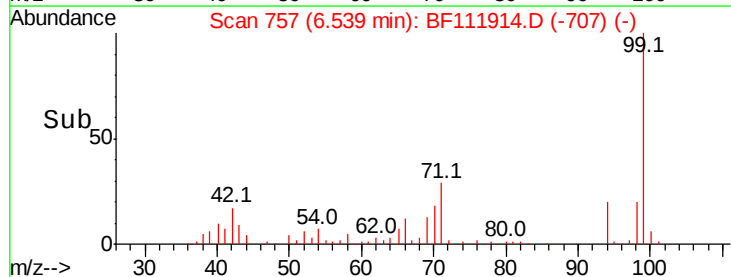
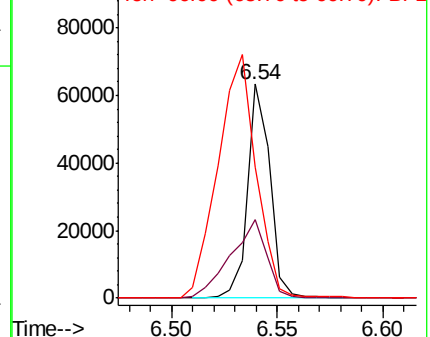
94 100

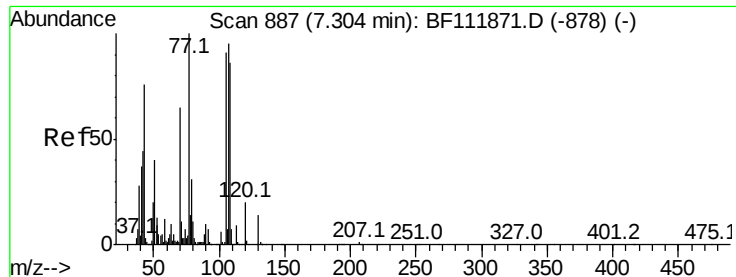
65 36.6 22.8 62.8

66 61.3 43.3 83.3



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

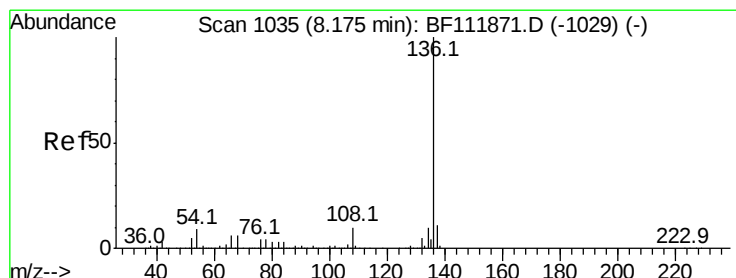
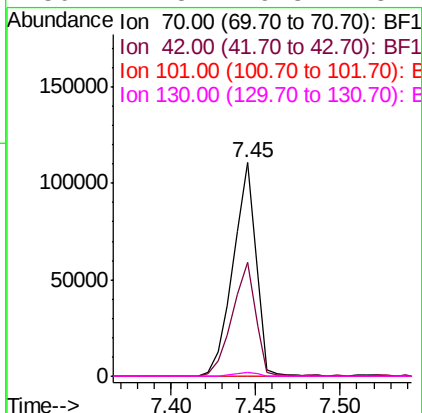
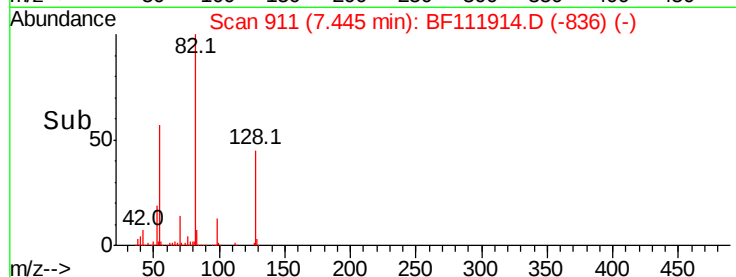
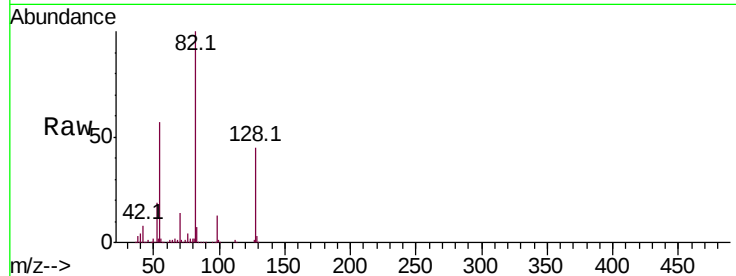




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.183 ng  
RT: 7.45 min Scan# 911  
Delta R.T. 0.14 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

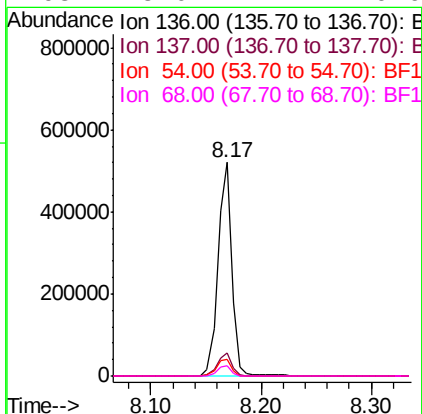
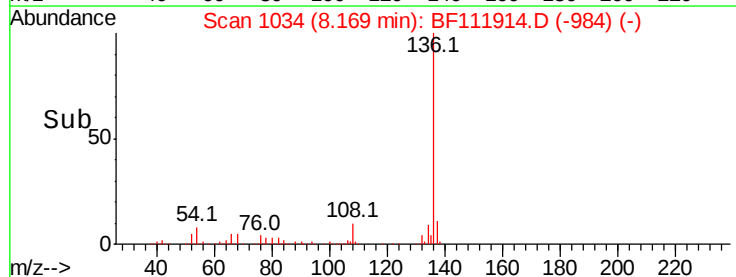
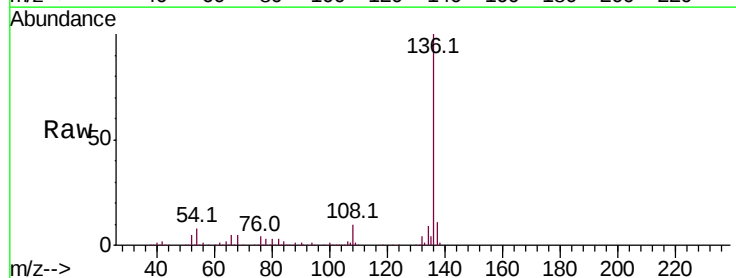
Instrument :  
BNA\_F  
ClientSampleId :

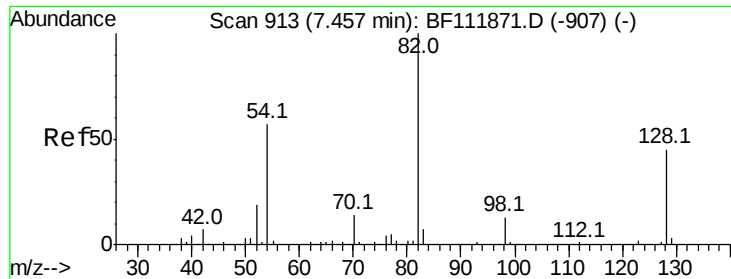
Tot Ion: 70 Resp: 104612  
Ion Ratio Lower Upper  
70 100  
42 53.2 53.6 80.4#  
101 0.0 7.3 10.9#  
130 1.8 16.8 25.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Tgt Ion: 136 Resp: 451012  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.1 13.7  
54 7.9 7.2 10.8  
68 5.0 4.4 6.6

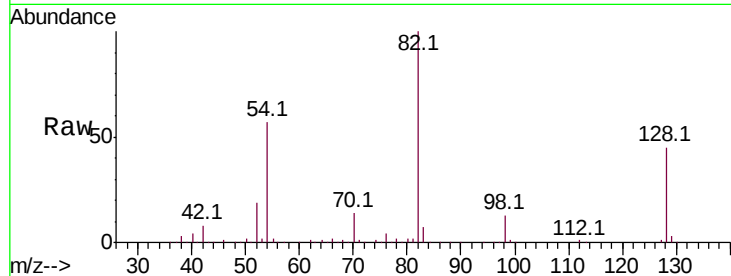




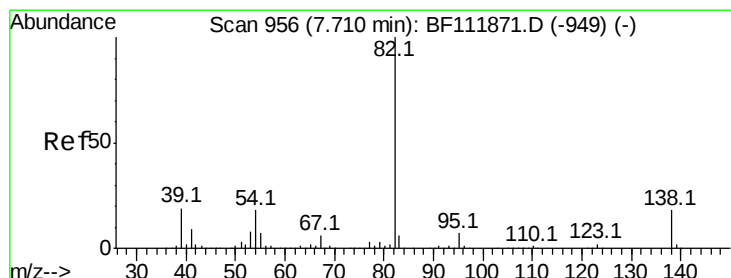
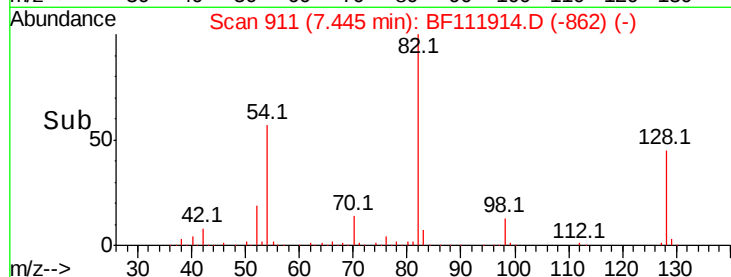
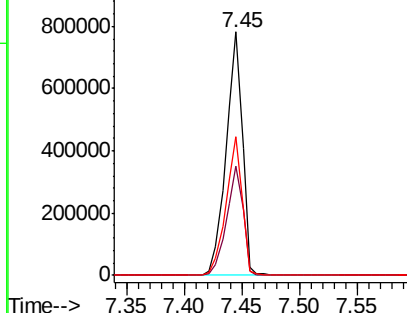
#23  
Nitrobenzene-d5  
Concen: 90.753 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 765841  
Ion Ratio Lower Upper  
82 100  
128 44.7 35.7 53.5  
54 57.0 45.8 68.8

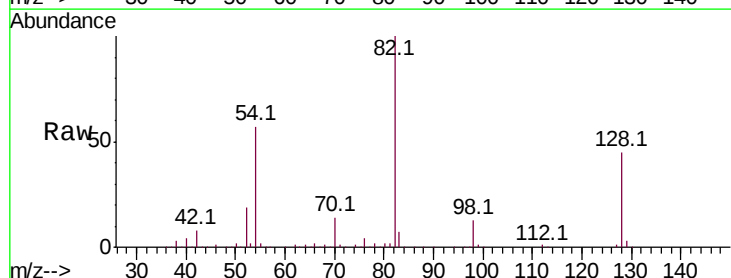


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

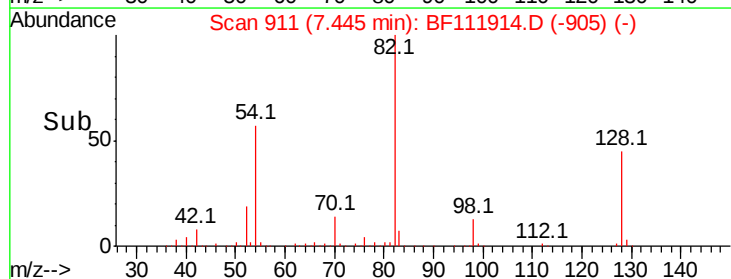
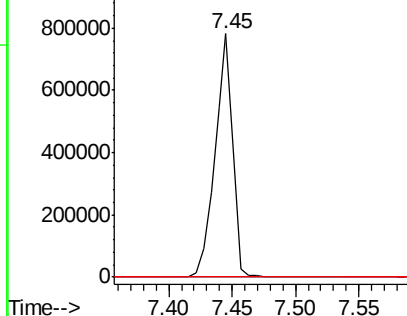


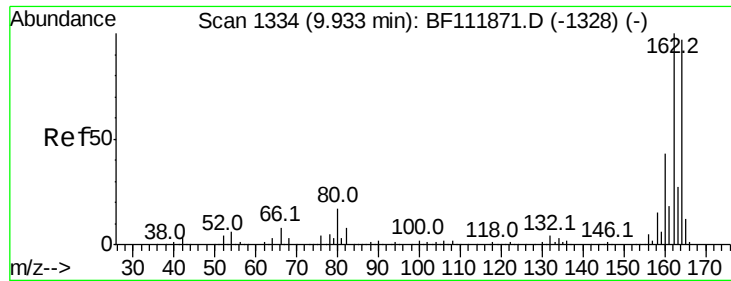
#25  
Isophorone  
Concen: 55.750 ng  
RT: 7.45 min Scan# 911  
Delta R.T. -0.26 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Tgt Ion: 82 Resp: 761827  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.4 21.6#



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

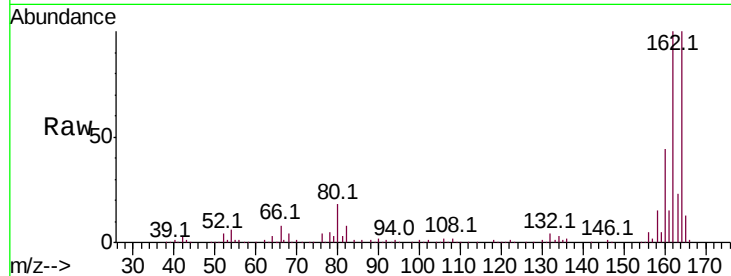




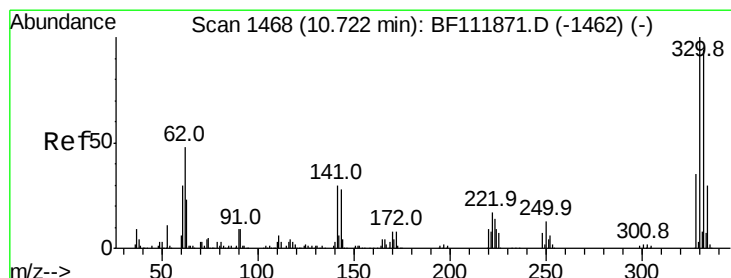
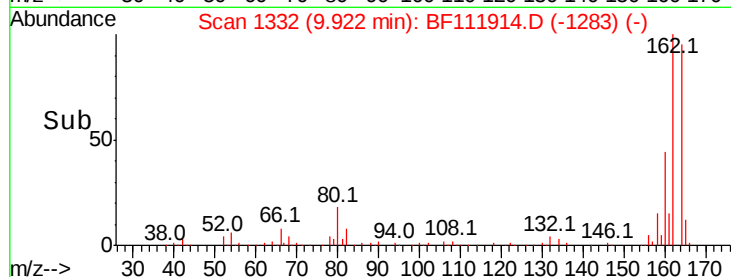
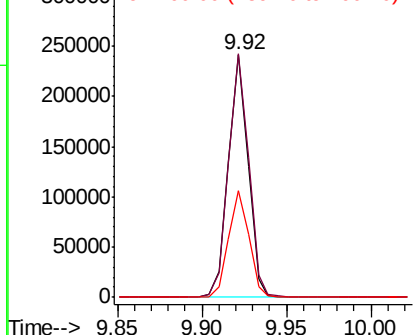
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 195840  
Ion Ratio Lower Upper  
164 100  
162 100.5 82.2 123.2  
160 43.8 35.5 53.3

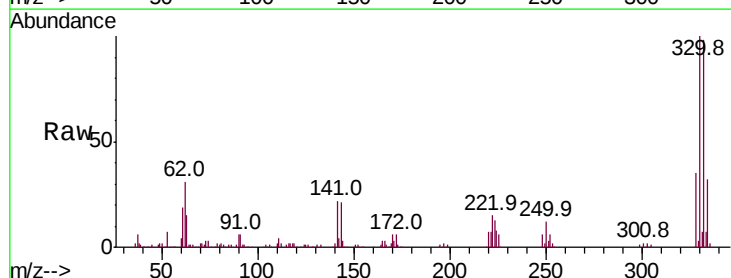


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

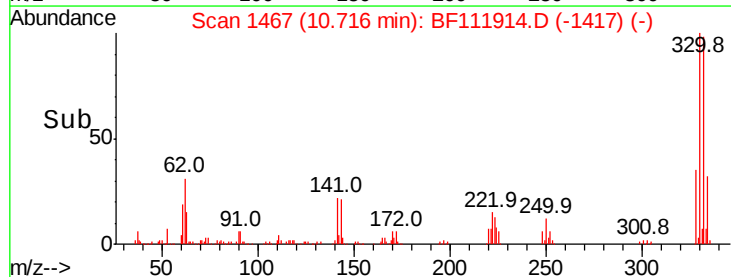
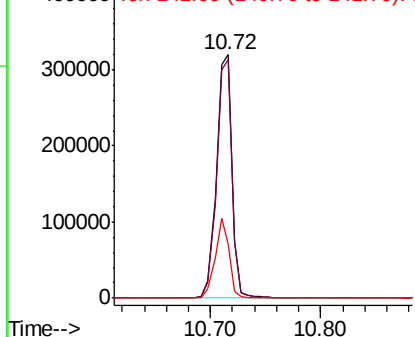


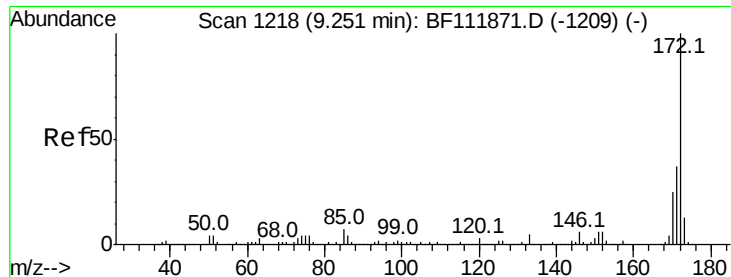
#42  
2,4,6-Tribromophenol  
Concen: 121.513 ng  
RT: 10.72 min Scan# 1467  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Tgt Ion:330 Resp: 309527  
Ion Ratio Lower Upper  
330 100  
332 97.3 76.9 115.3  
141 29.4 23.7 35.5



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

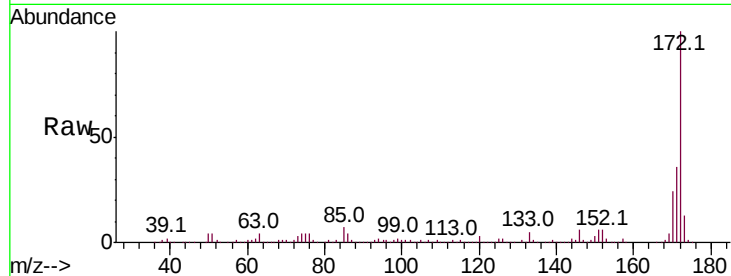




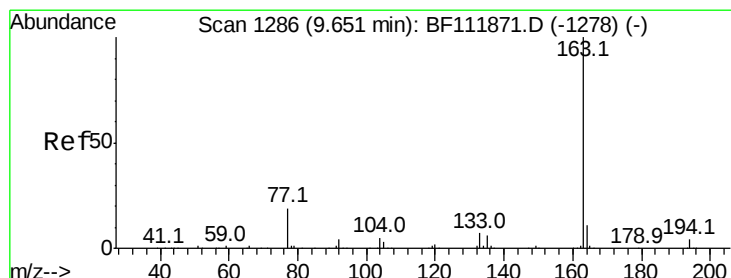
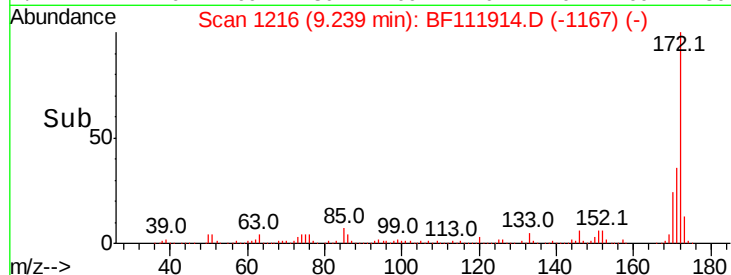
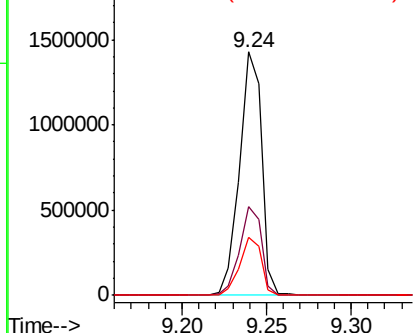
#45  
2-Fluorobiphenyl  
Concen: 97.426 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1308451  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.6 44.4  
170 23.8 19.8 29.8

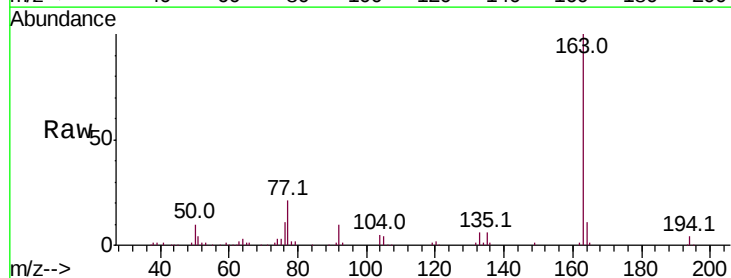


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

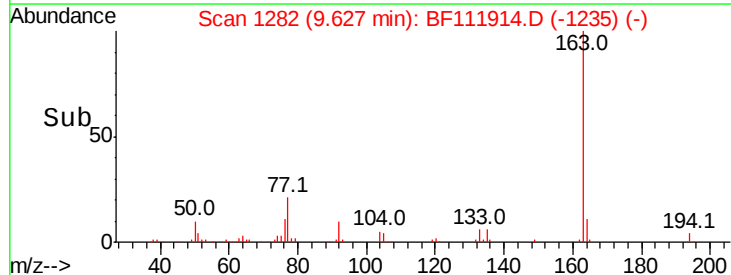
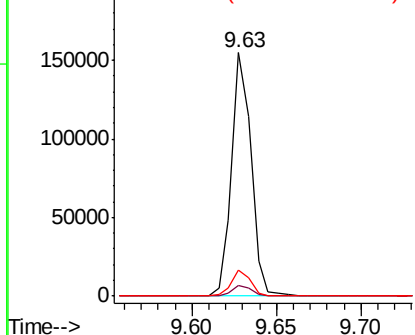


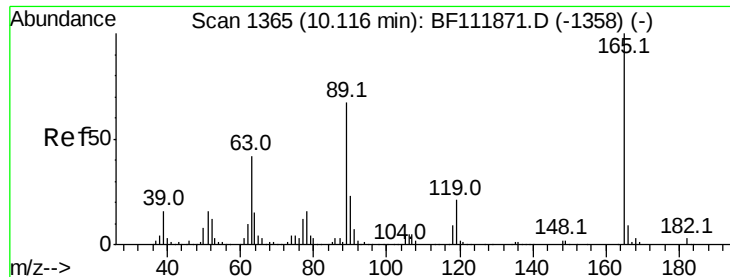
#50  
Dimethylphthalate  
Concen: 8.437 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Tgt Ion:163 Resp: 124123  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.2  
164 10.6 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

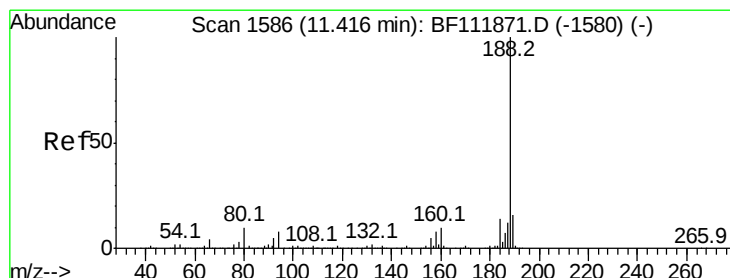
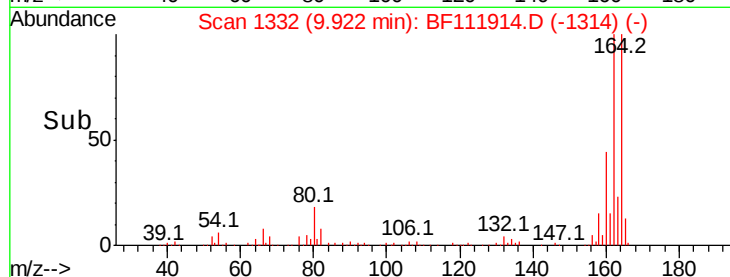
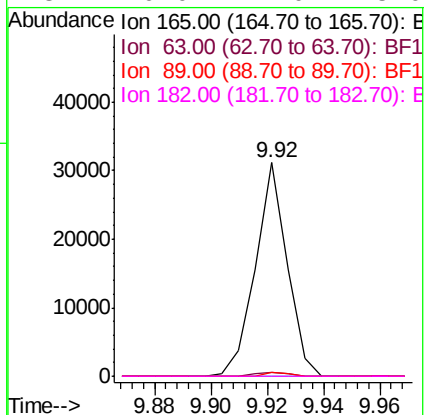
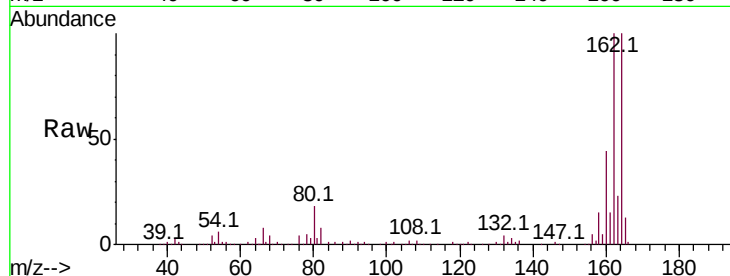




#57  
2,4-Dinitrotoluene  
Concen: 5.728 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.19 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

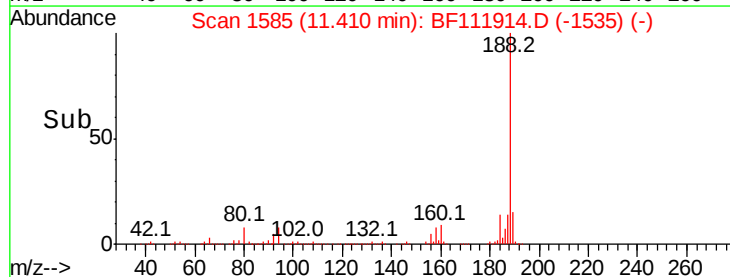
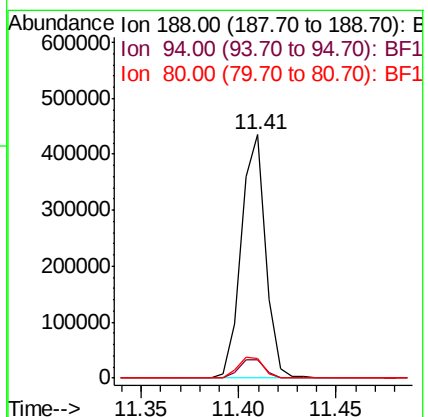
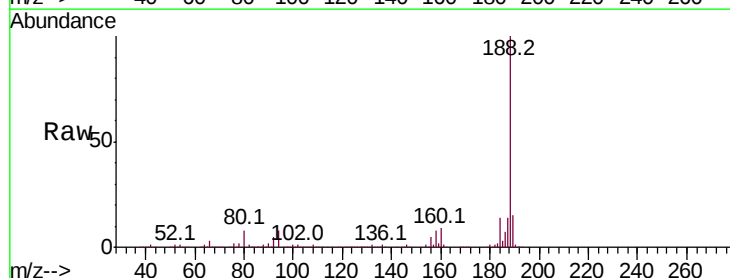
Instrument :  
BNA\_F  
ClientSampleId :

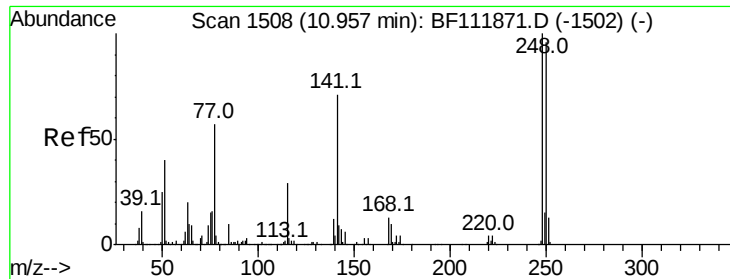
Tot Ion:165 Resp: 24351  
Ion Ratio Lower Upper  
165 100  
63 1.6 34.1 51.1#  
89 1.5 53.5 80.3#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Tgt Ion:188 Resp: 376482  
Ion Ratio Lower Upper  
188 100  
94 7.5 6.6 10.0  
80 7.9 7.7 11.5

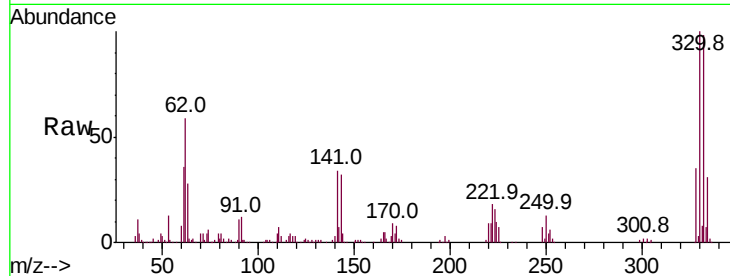




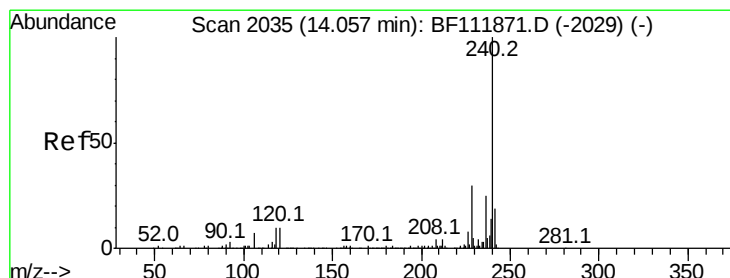
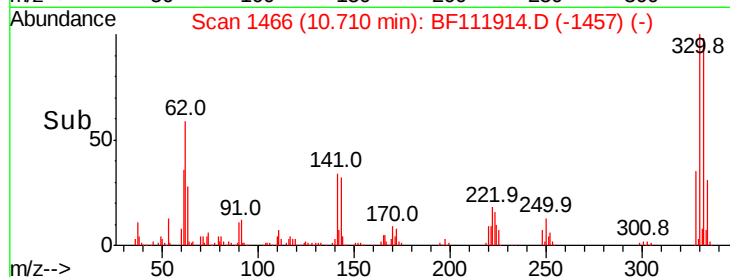
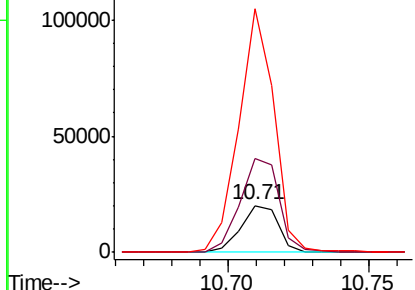
#67  
4-Bromophenyl-phenylether  
Concen: 3.783 ng  
RT: 10.71 min Scan# 1466  
Delta R.T. -0.25 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 18447  
Ion Ratio Lower Upper  
248 100  
250 200.5 76.8 115.2#  
141 520.6 57.0 85.6#

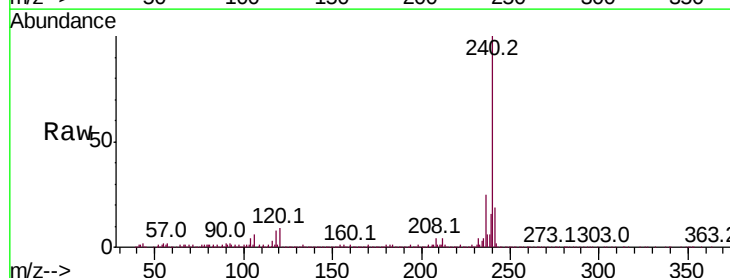


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

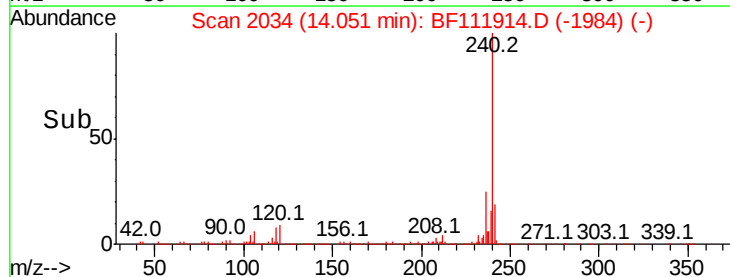
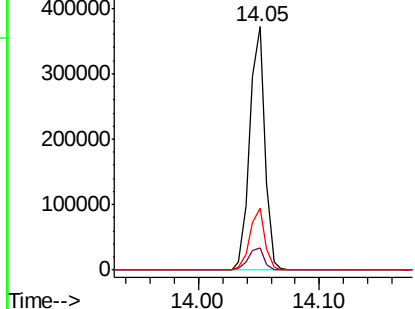


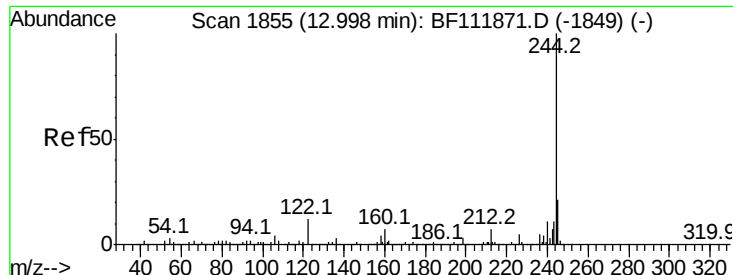
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.01 min  
Lab File: BF111914.D  
Acq: 8 Jan 2019 18:28

Tgt Ion:240 Resp: 329821  
Ion Ratio Lower Upper  
240 100  
120 8.9 8.2 12.2  
236 25.5 20.2 30.4



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: 71.610 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111914.D

Acq: 8 Jan 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

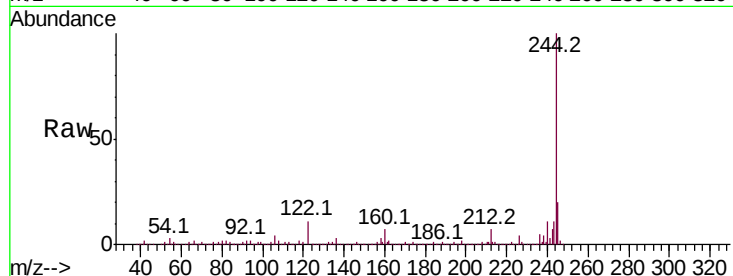
Tot Ion:244 Resp: 1244246

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

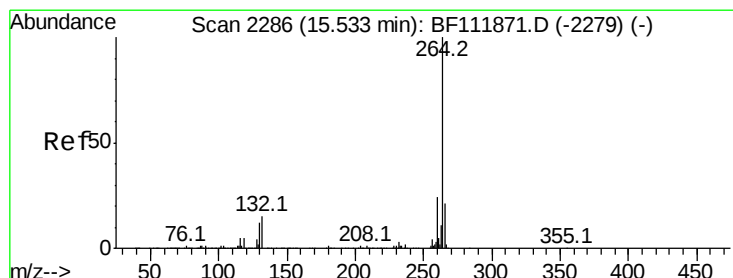
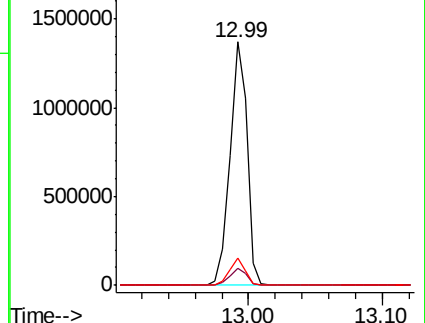
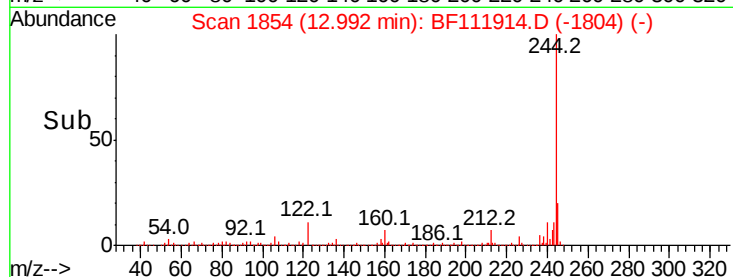
122 11.1 9.5 14.3



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: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF111914.D

Acq: 8 Jan 2019 18:28

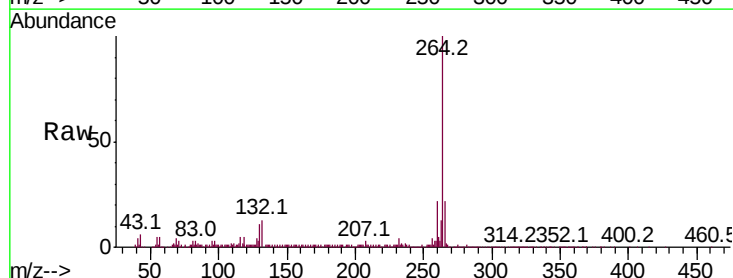
Tgt Ion:264 Resp: 229881

Ion Ratio Lower Upper

264 100

260 21.8 19.2 28.8

265 21.6 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

