

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032819\  
 Data File : BF113392.D  
 Acq On : 28 Mar 2019 23:52  
 Operator : JU/SJ  
 Sample : K2121-08 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP

Quant Time: Mar 29 02:14:44 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

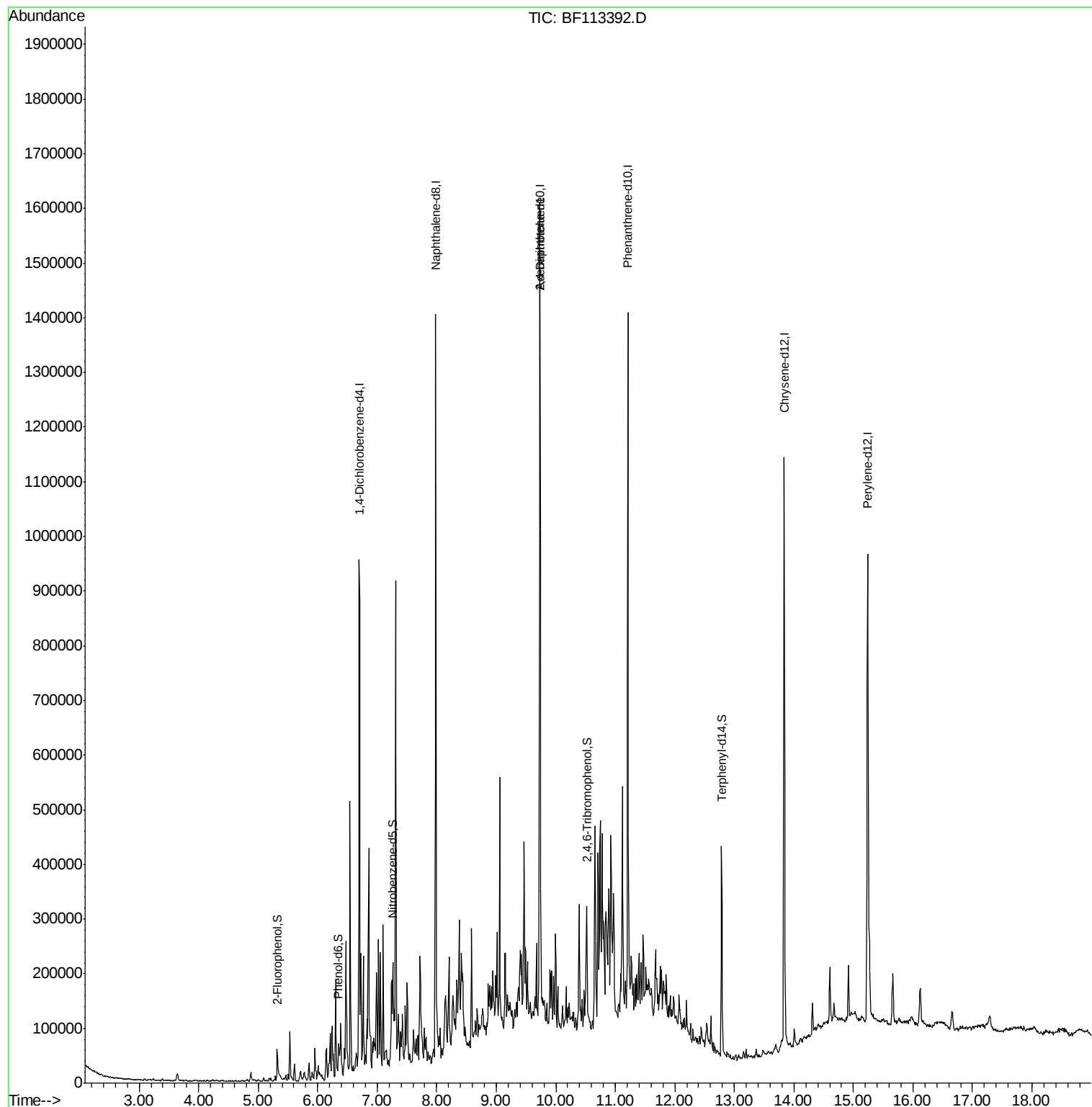
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 154096   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 607112   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.73  | 164  | 288560   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.21 | 188  | 529649   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12            | 13.84 | 240  | 421933   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12            | 15.24 | 264  | 428666   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 33113    | 3.51      | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 31492    | 2.64      | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 64173    | 6.27      | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.52 | 330  | 29945    | 8.40      | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.06  | 172  | 150371   | -11.95    | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.79 | 244  | 132026   | 6.90      | ng    | -0.01    |
| Target Compounds            |       |      |          |           |       |          |
| 20) 3+4-Methylphenols       | 7.03  | 107  | 280      | Below Cal | #     | 1        |
| 57) 2,4-Dinitrotoluene      | 9.73  | 165  | 40212    | 6.554 ng  | #     | 23       |

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

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BNA\_F  
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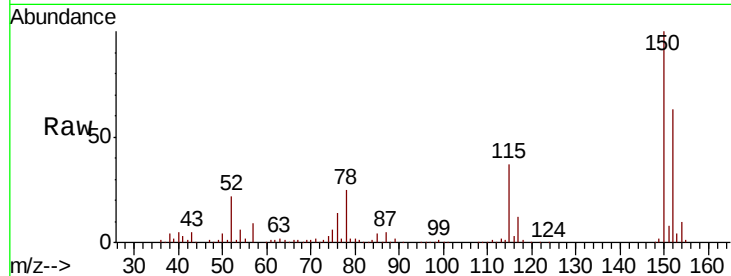


#1

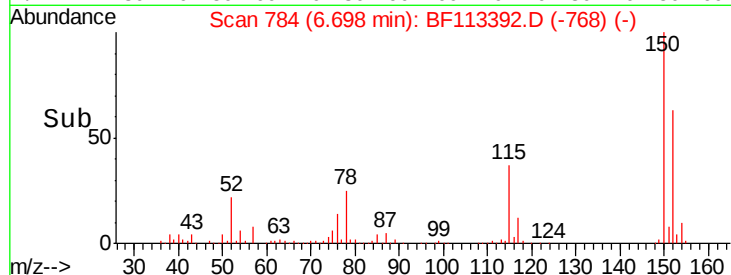
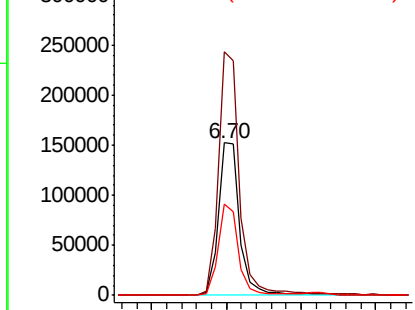
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
DUP

Tgt Ion:152 Resp: 154096  
Ion Ratio Lower Upper  
152 100  
150 159.6 124.7 187.1  
115 59.8 46.0 69.0



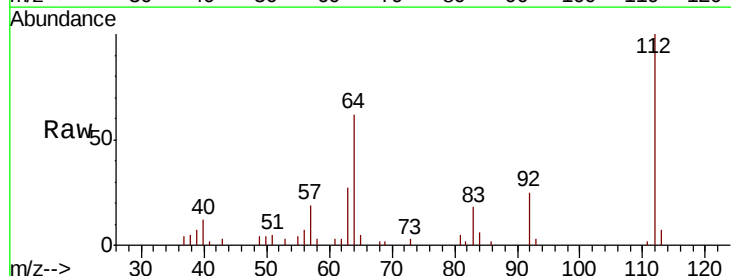
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



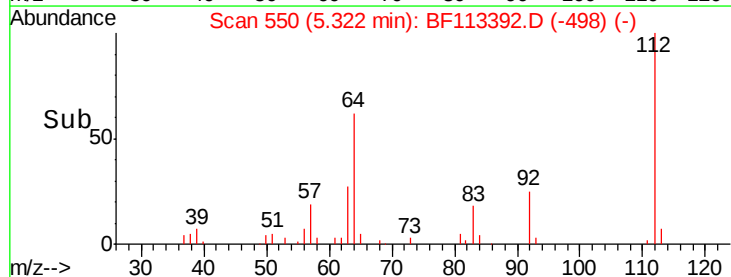
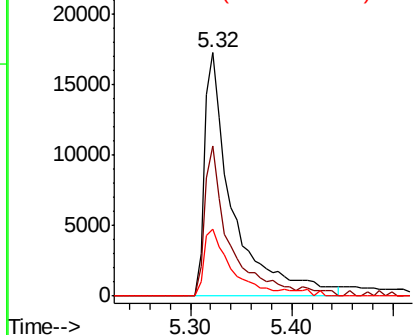
#5

2-Fluorophenol  
Concen: 3.514 ng  
RT: 5.32 min Scan# 550  
Delta R.T. 0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Tgt Ion:112 Resp: 33113  
Ion Ratio Lower Upper  
112 100  
64 61.5 49.2 73.8  
63 27.3 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: 2.641 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113392.D

Acq: 28 Mar 2019 23:52

Instrument :

BNA\_F

ClientSampleId :

DUP

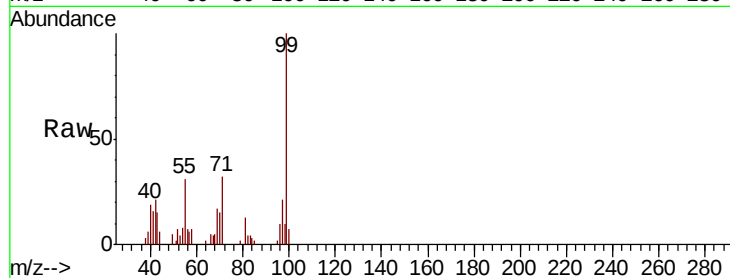
Tgt Ion: 99 Resp: 31492

Ion Ratio Lower Upper

99 100

42 21.4 14.8 22.2

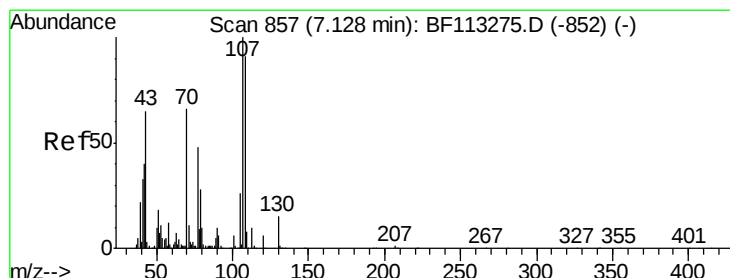
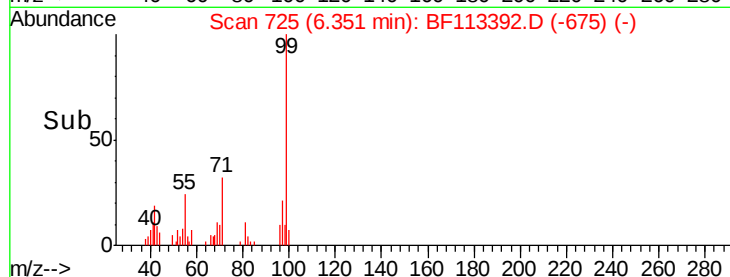
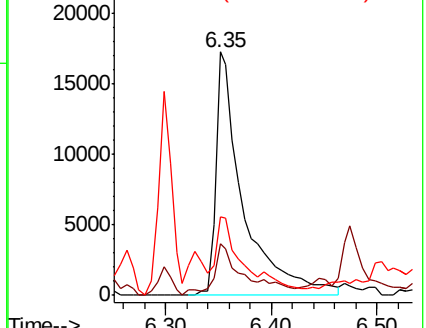
71 32.4 24.9 37.3



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



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.03 min Scan# 840

Delta R.T. -0.10 min

Lab File: BF113392.D

Acq: 28 Mar 2019 23:52

Tgt Ion: 107 Resp: 280

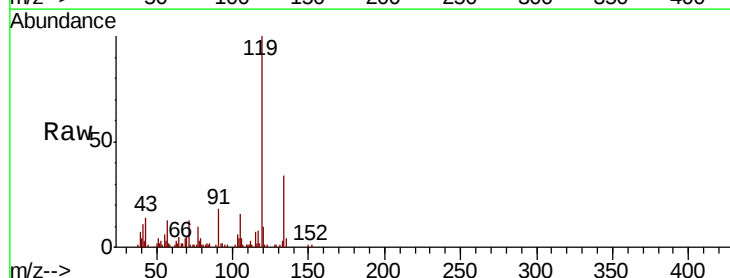
Ion Ratio Lower Upper

107 100

108 0.0 71.4 111.4#

77 1200.4 33.5 73.5#

79 560.6 8.3 48.3#

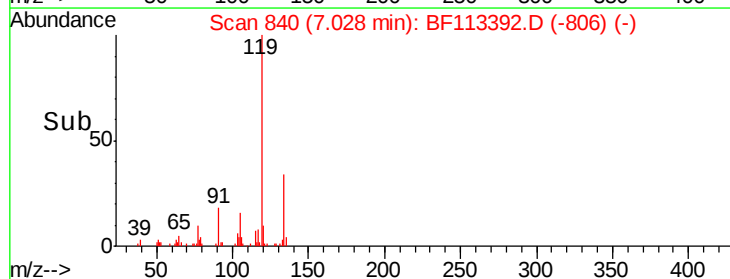
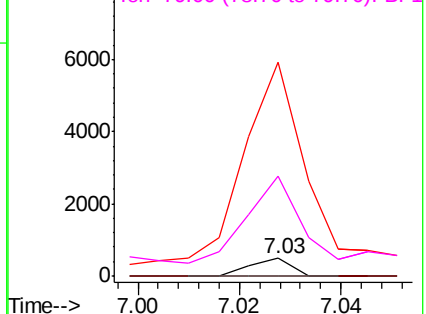


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

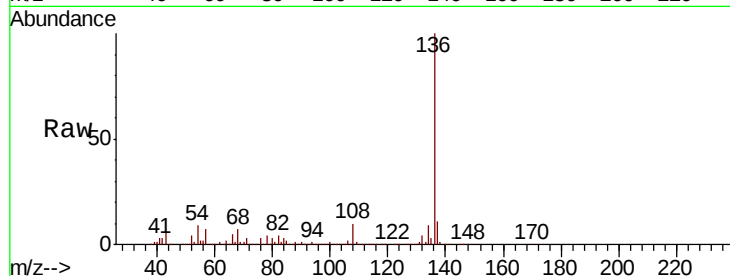




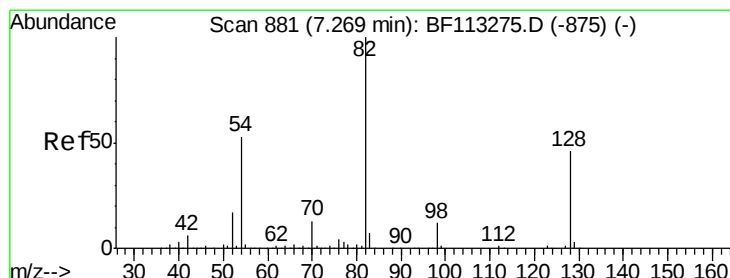
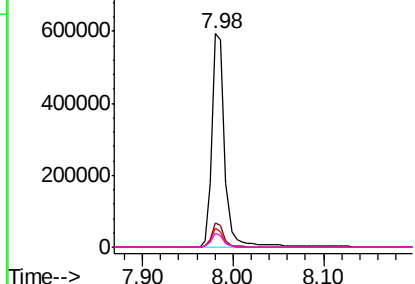
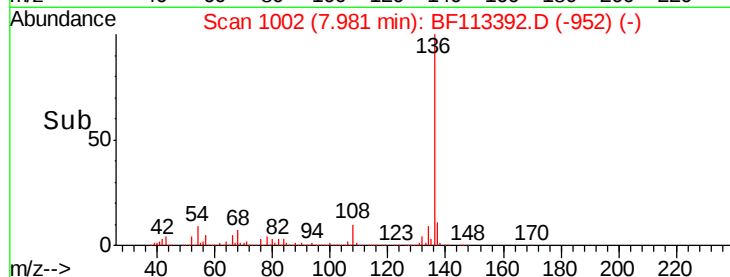
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
DUP

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 607112 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 8.7   | 7.0   | 10.6   |
| 68       | 6.7   | 4.8   | 7.2    |

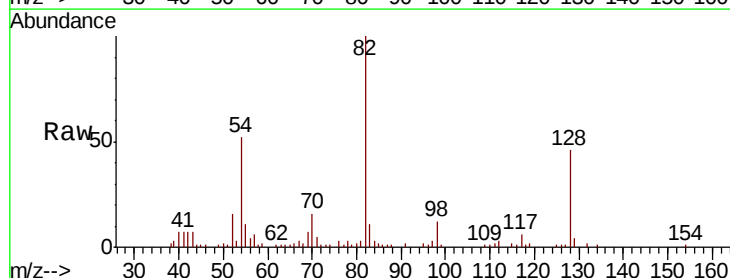


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

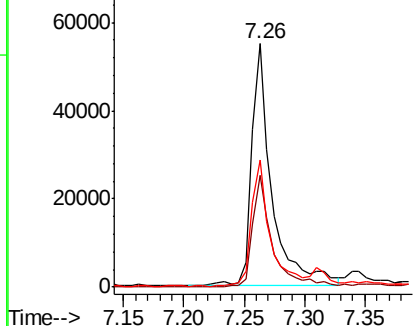
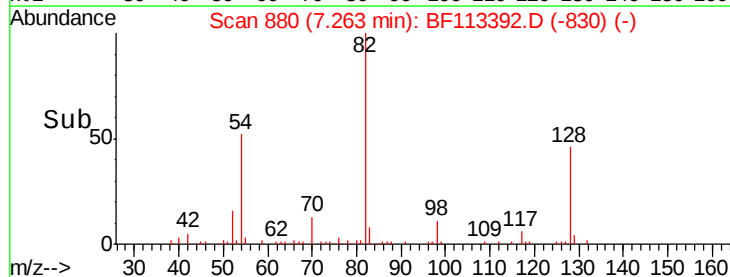


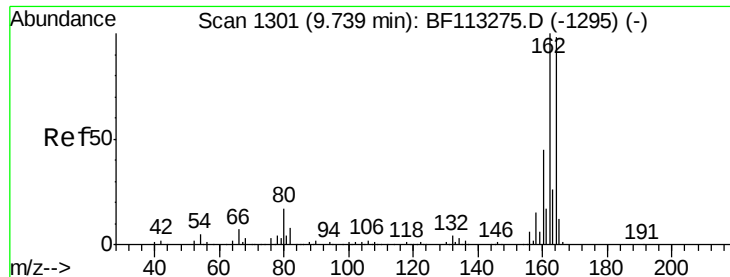
#23  
Nitrobenzene-d5  
Concen: 6.274 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 64173 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 45.7  | 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): E  
Ion 54.00 (53.70 to 54.70): BF1

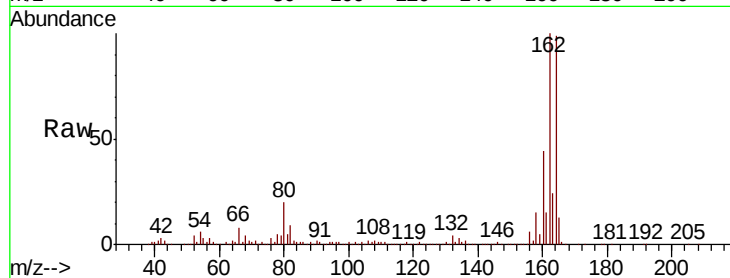




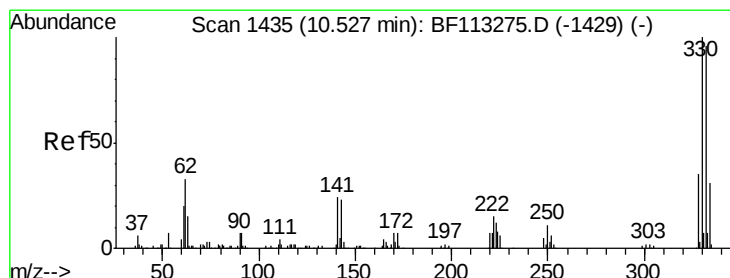
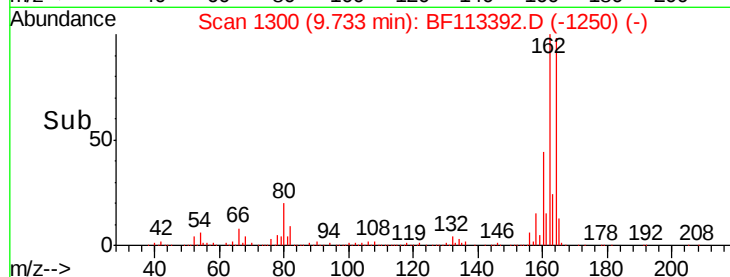
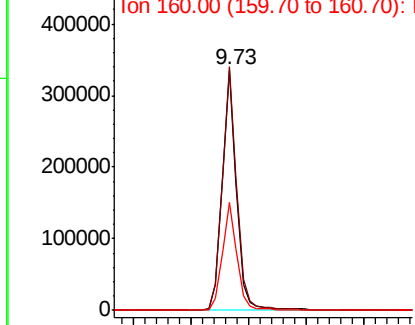
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Instrument :  
BNA\_F  
ClientSampled :  
DUP

Tgt Ion:164 Resp: 288560  
Ion Ratio Lower Upper  
164 100  
162 101.3 81.8 122.6  
160 44.8 36.4 54.6

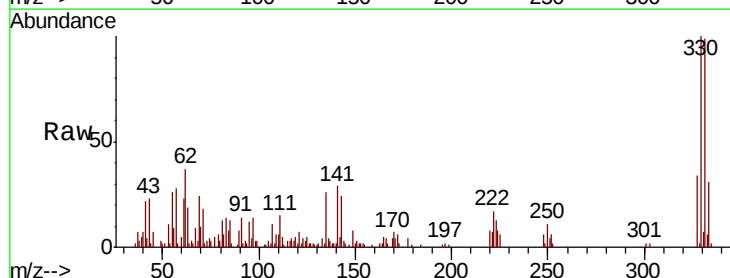


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

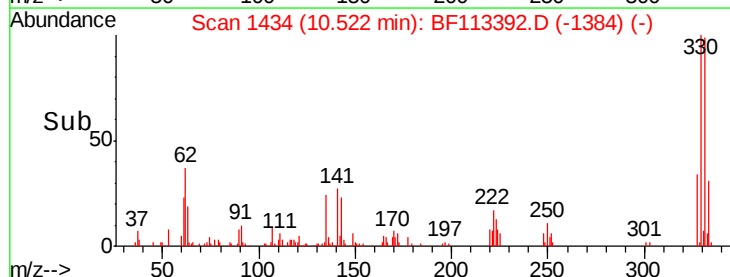
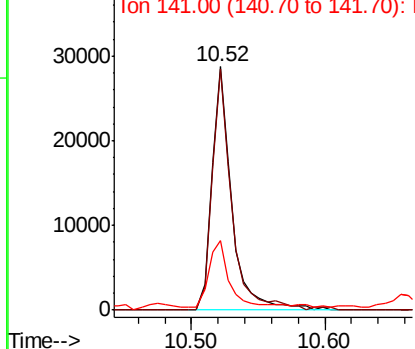


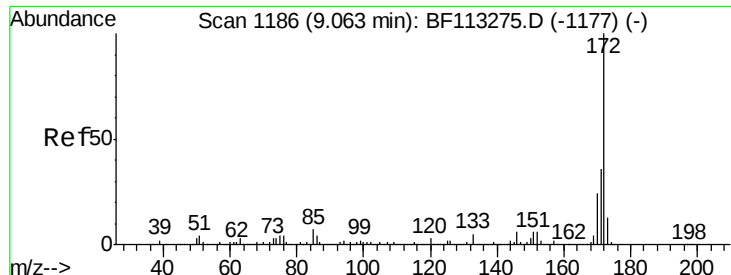
#42  
2,4,6-Tribromophenol  
Concen: 8.401 ng  
RT: 10.52 min Scan# 1434  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Tgt Ion:330 Resp: 29945  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.8 116.6  
141 32.5 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

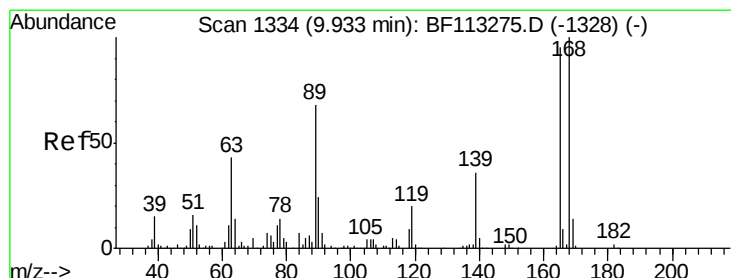
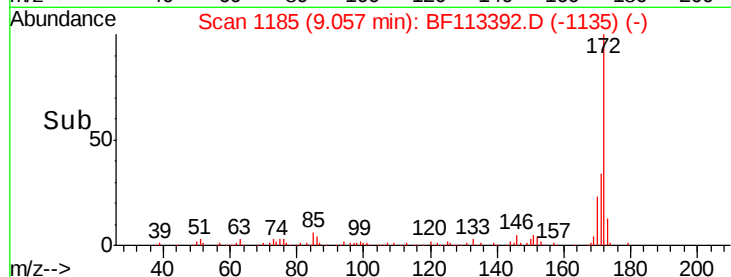
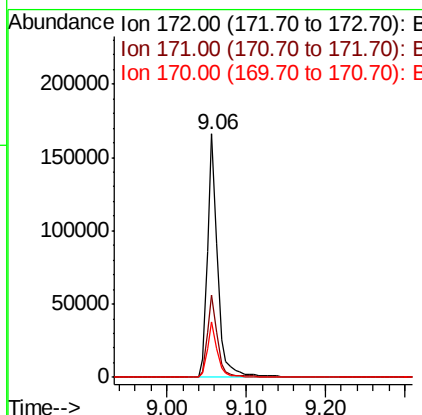
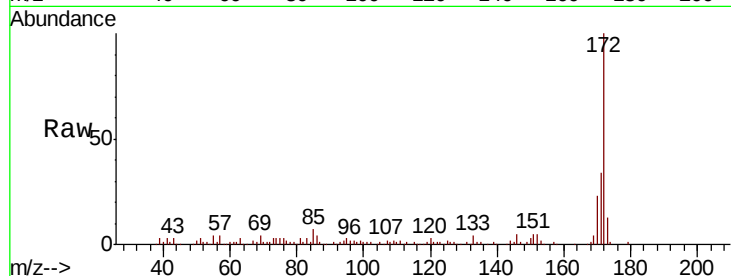




#45  
2-Fluorobiphenyl  
Concen: -11.949 ng  
RT: 9.06 min Scan# 1185  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

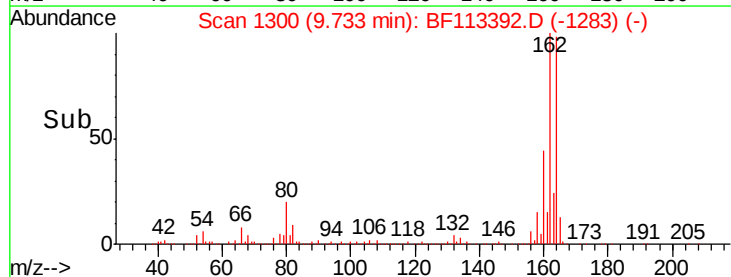
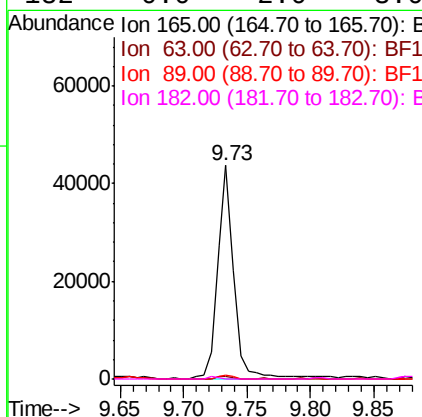
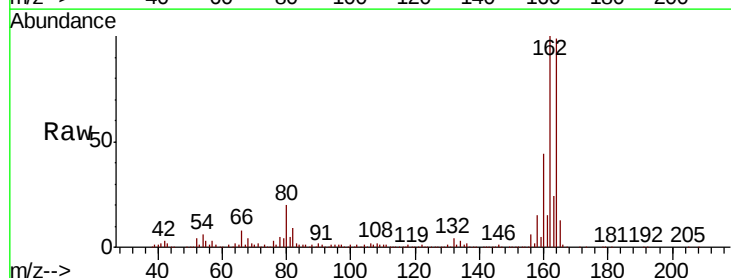
Instrument :  
BNA\_F  
ClientSampleId :  
DUP

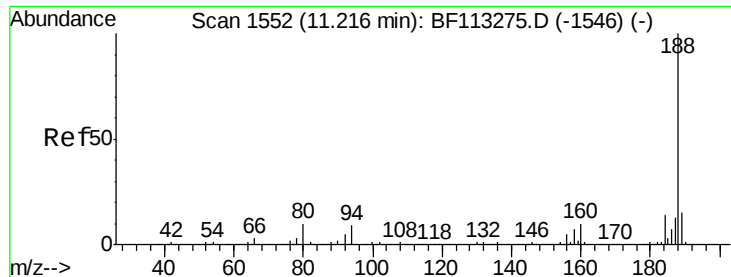
Tgt Ion:172 Resp: 150371  
Ion Ratio Lower Upper  
172 100  
171 34.1 29.0 43.6  
170 22.8 19.5 29.3



#57  
2,4-Dinitrotoluene  
Concen: 6.554 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.20 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Tgt Ion:165 Resp: 40212  
Ion Ratio Lower Upper  
165 100  
63 1.4 37.5 56.3#  
89 1.5 57.4 86.2#  
182 0.0 2.0 3.0#

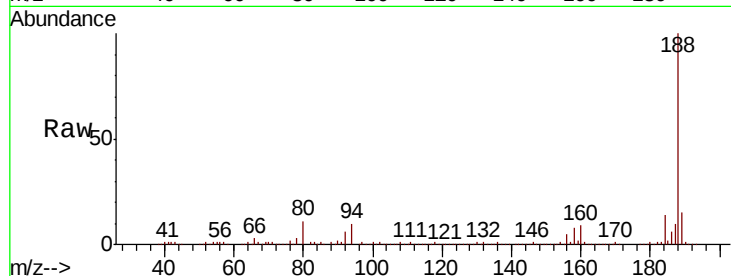




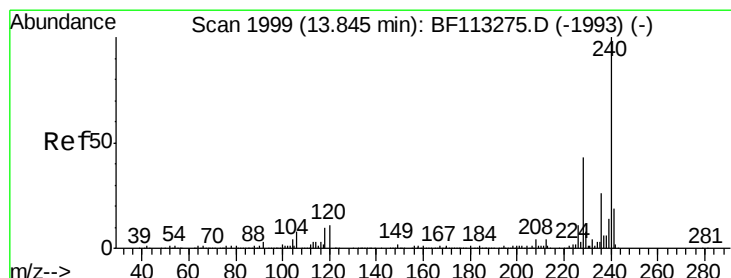
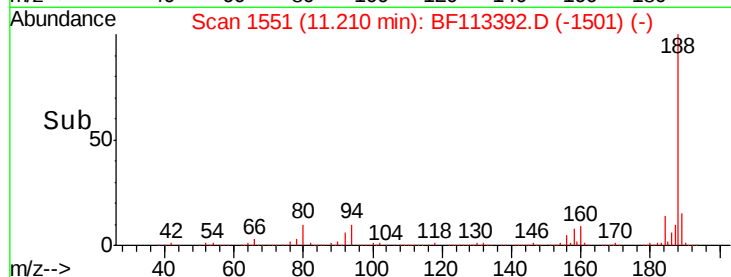
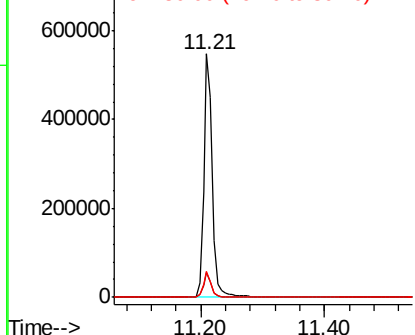
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
DUP

Tgt Ion:188 Resp: 529649  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.0 10.6  
80 10.5 7.7 11.5

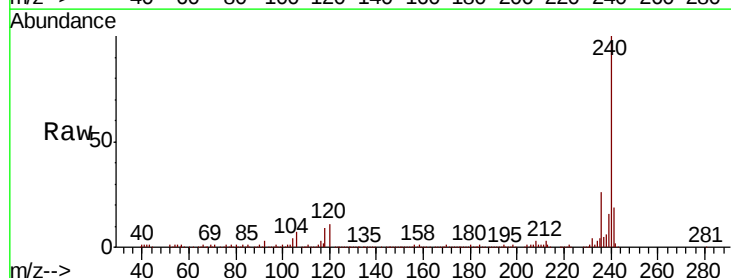


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

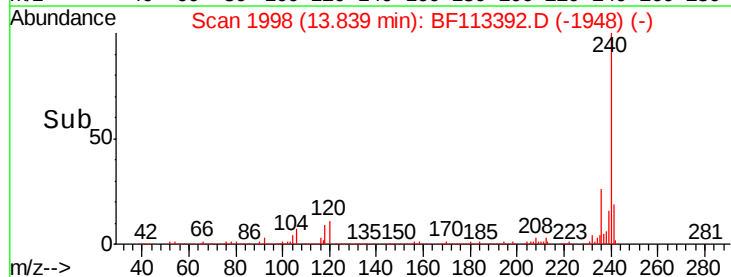
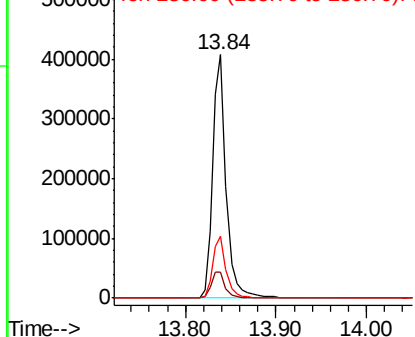


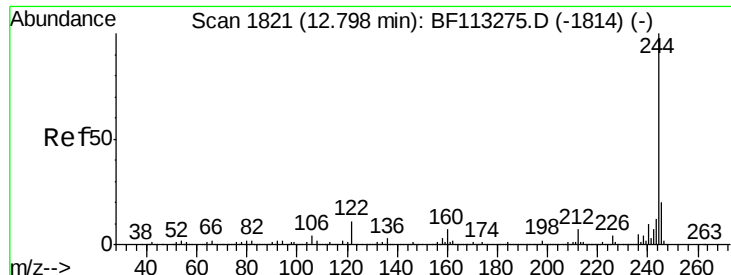
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF113392.D  
Acq: 28 Mar 2019 23:52

Tgt Ion:240 Resp: 421933  
Ion Ratio Lower Upper  
240 100  
120 10.7 8.8 13.2  
236 25.7 20.9 31.3



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

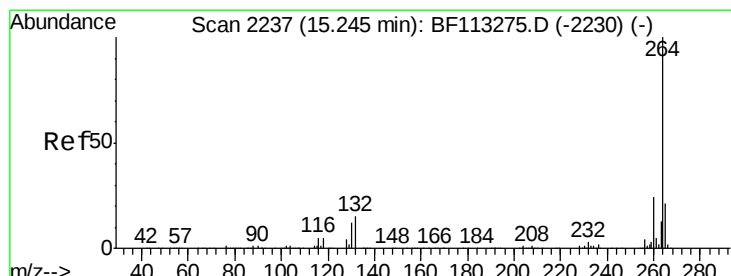
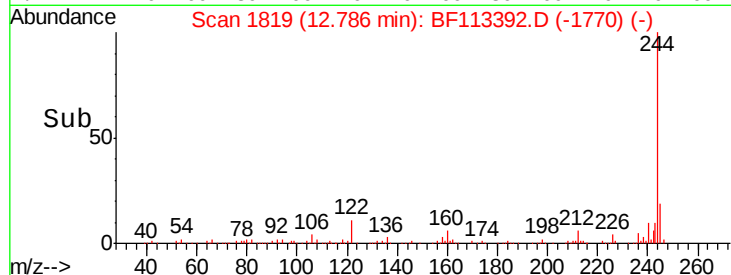
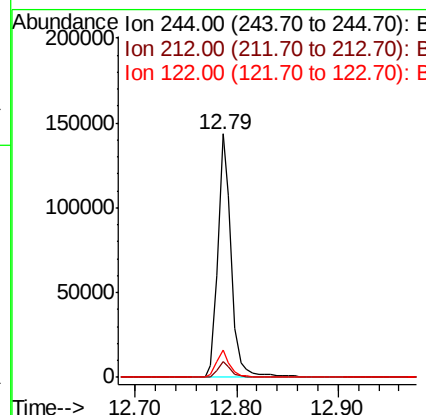
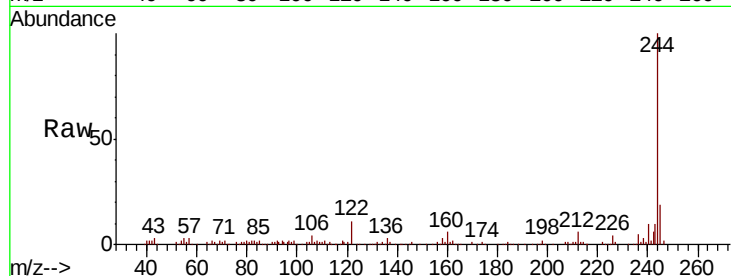




#79  
 Terphenyl-d14  
 Concen: 6.897 ng  
 RT: 12.79 min Scan# 1819  
 Delta R.T. -0.01 min  
 Lab File: BF113392.D  
 Acq: 28 Mar 2019 23:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP

Tgt Ion:244 Resp: 132026  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.5 8.3  
 122 11.1 8.6 13.0



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. -0.01 min  
 Lab File: BF113392.D  
 Acq: 28 Mar 2019 23:52

Tgt Ion:264 Resp: 428666  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.1 28.7  
 265 21.2 17.1 25.7

