

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032119\  
 Data File : BF113210.D  
 Acq On : 21 Mar 2019 16:01  
 Operator : JU/SJ  
 Sample : K1690-01 10X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-032019

Quant Time: Mar 22 00:43:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 13 03:42:55 2019  
 Response via : Initial Calibration

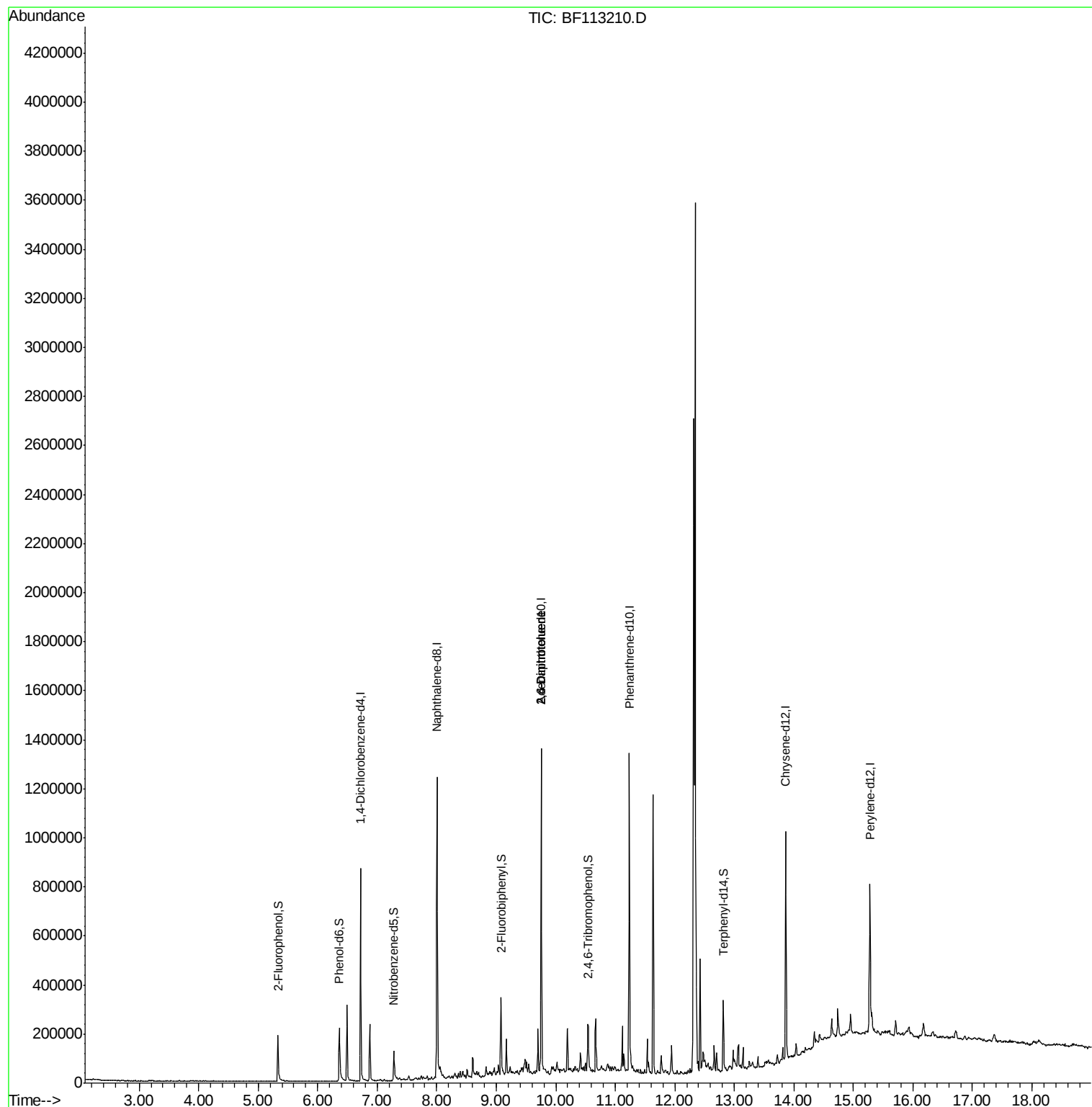
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 133766   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.00  | 136  | 594761   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.76  | 164  | 268054   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.23 | 188  | 525282   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 13.86 | 240  | 329704   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.27 | 264  | 310700   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 73261    | 8.52  | ng    | -0.01    |
| 7) Phenol-d6                | 6.36  | 99   | 103276   | 9.56  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 52117    | 5.24  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 31180    | 10.96 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.08  | 172  | 127430   | 4.98  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.82 | 244  | 102626   | 6.03  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 51) 2,6-Dinitrotoluene      | 9.76  | 165  | 35774    | 8.692 | ng    | # 19     |
| 57) 2,4-Dinitrotoluene      | 9.76  | 165  | 36153    | 7.066 | ng    | # 18     |

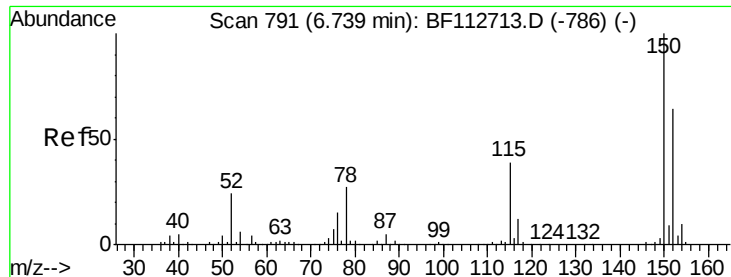
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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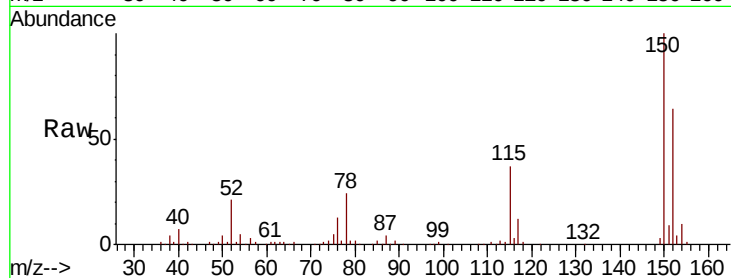


#1

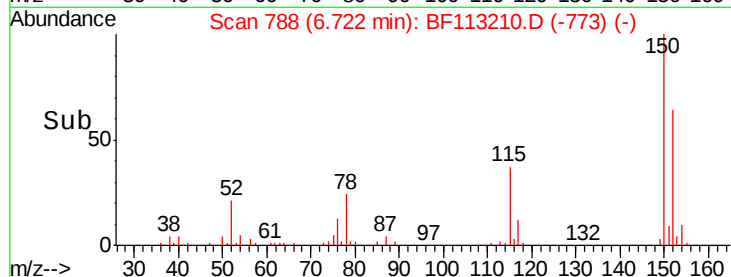
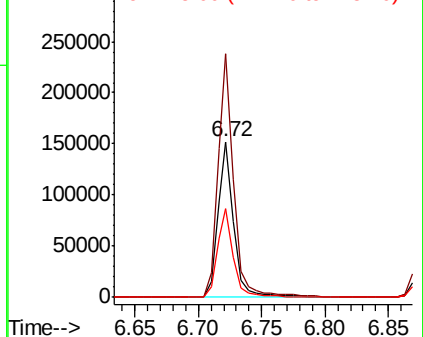
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF113210.D  
Acq: 21 Mar 2019 16:01

Instrument :  
BNA\_F  
ClientSampleId :  
HD-02-032019

Tgt Ion:152 Resp: 133766  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.2 186.2  
115 57.4 48.2 72.4



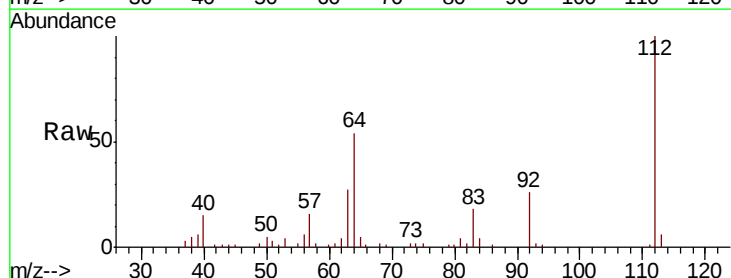
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



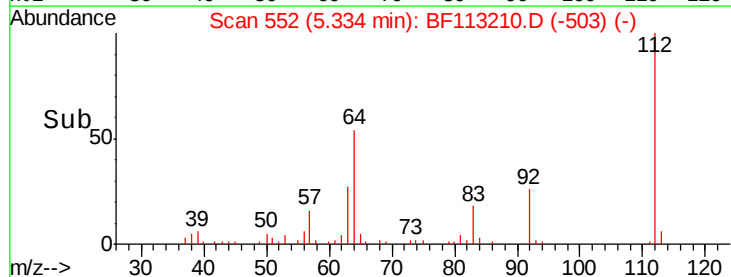
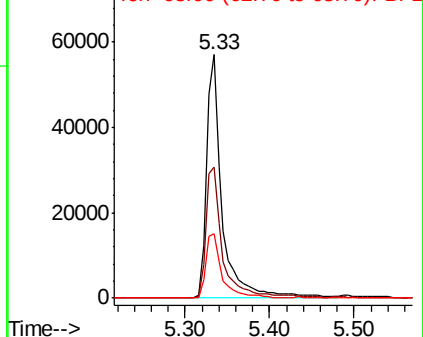
#5

2-Fluorophenol  
Concen: 8.519 ng  
RT: 5.33 min Scan# 552  
Delta R.T. -0.01 min  
Lab File: BF113210.D  
Acq: 21 Mar 2019 16:01

Tgt Ion:112 Resp: 73261  
Ion Ratio Lower Upper  
112 100  
64 53.7 47.6 71.4  
63 26.7 24.4 36.6



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: 9.561 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113210.D

Acq: 21 Mar 2019 16:01

Instrument :

BNA\_F

ClientSampleId :

HD-02-032019

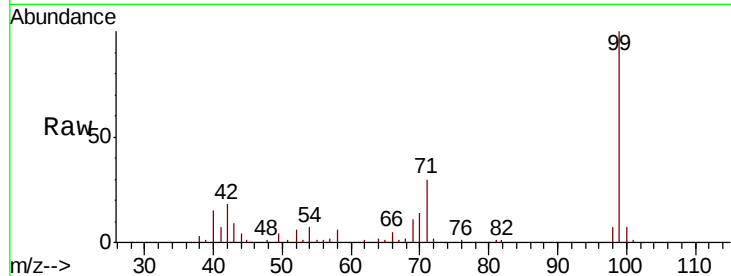
Tgt Ion: 99 Resp: 103276

Ion Ratio Lower Upper

99 100

42 17.5 16.3 24.5

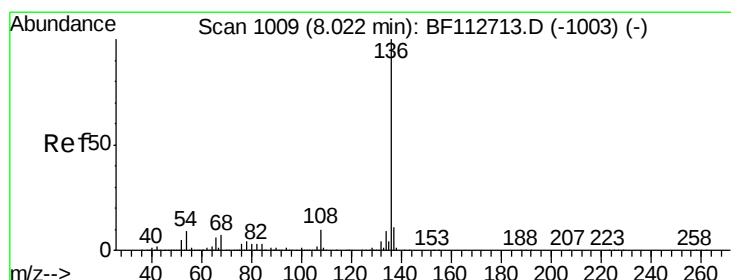
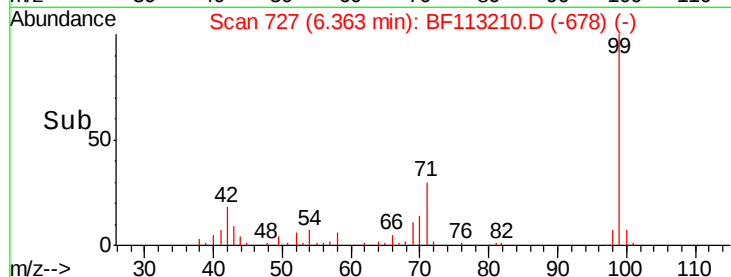
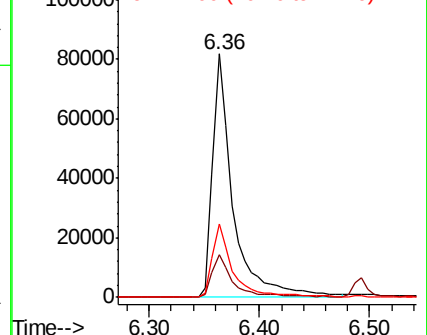
71 30.4 26.2 39.4



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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113210.D

Acq: 21 Mar 2019 16:01

Tgt Ion: 136 Resp: 594761

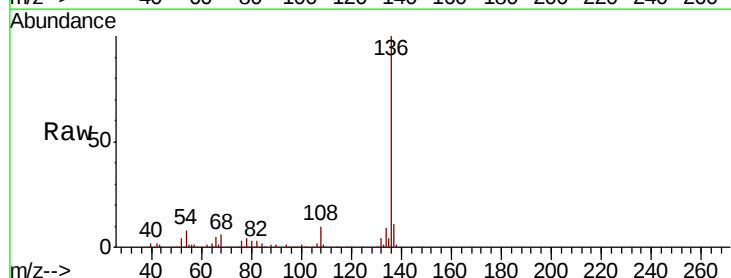
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.9 7.3 10.9

68 5.9 5.4 8.2

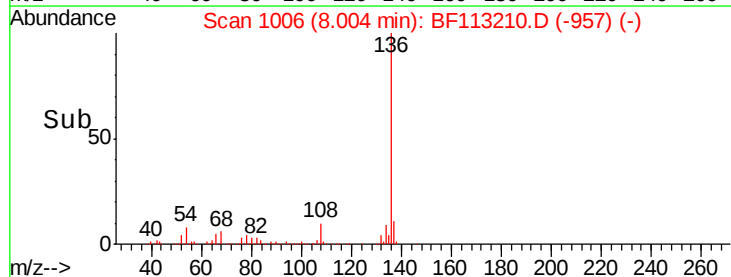
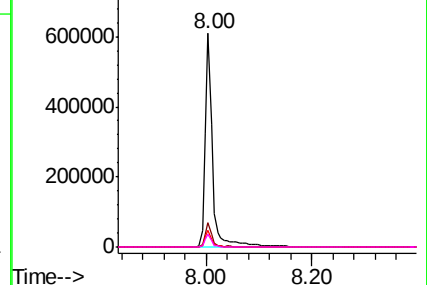


Abundance Ion 136.00 (135.70 to 136.70): E

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

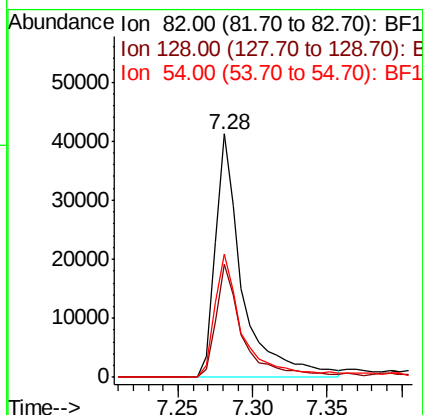
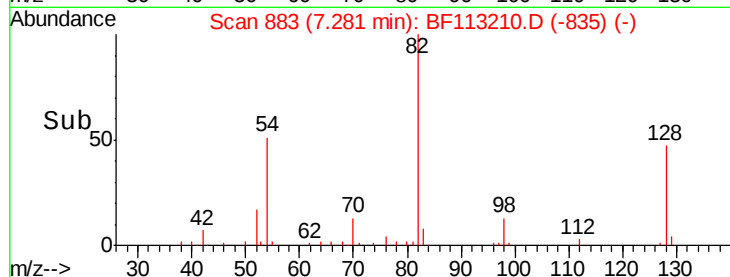
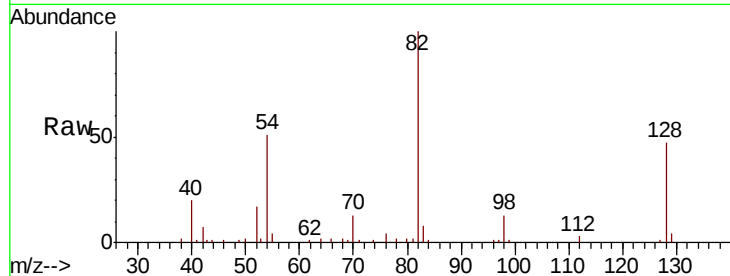




#23  
 Nitrobenzene-d5  
 Concen: 5.243 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. -0.02 min  
 Lab File: BF113210.D  
 Acq: 21 Mar 2019 16:01

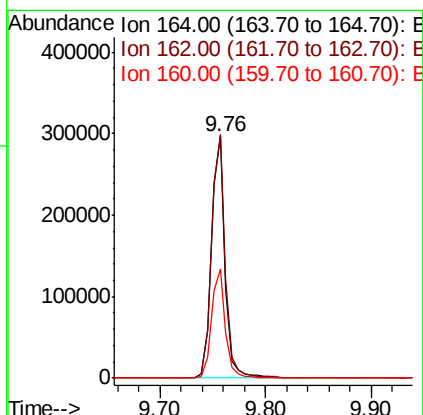
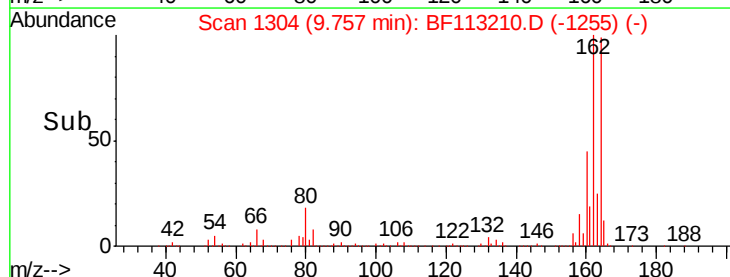
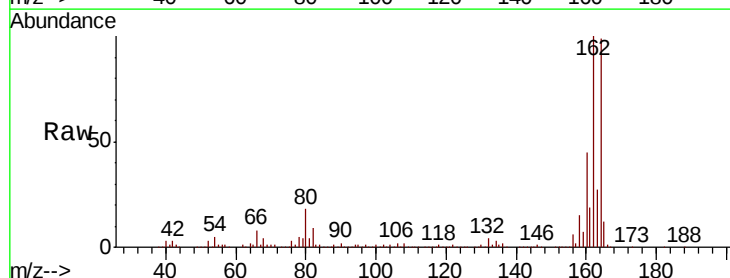
Instrument :  
 BNA\_F  
 ClientSampled :  
 HD-02-032019

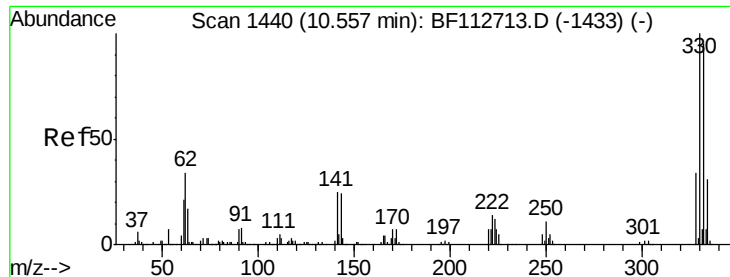
Tgt Ion: 82 Resp: 52117  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 36.3 54.5  
 54 50.8 43.7 65.5



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF113210.D  
 Acq: 21 Mar 2019 16:01

Tgt Ion: 164 Resp: 268054  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 80.6 120.8  
 160 45.0 36.0 54.0

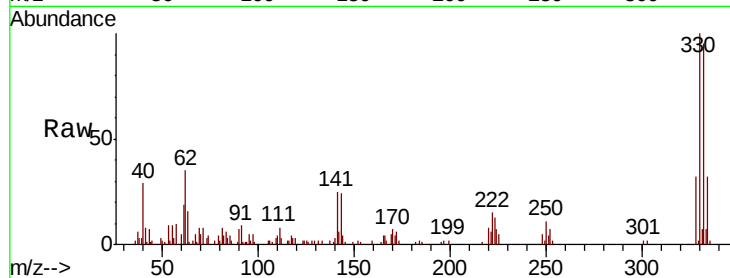




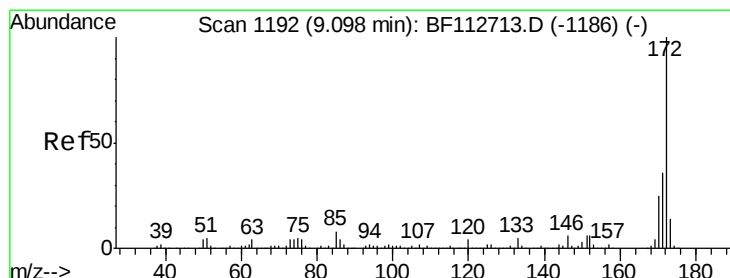
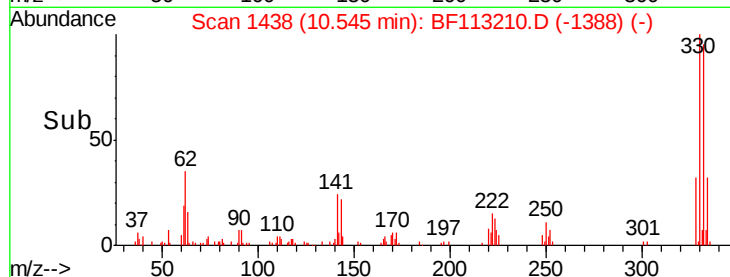
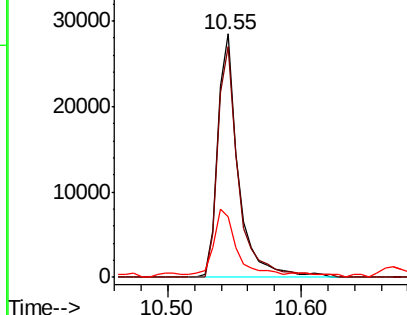
#42  
 2,4,6-Tribromophenol  
 Concen: 10.957 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF113210.D  
 Acq: 21 Mar 2019 16:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-032019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 76.2  | 114.4 |
| 141     | 36.1  | 27.0  | 40.6  |

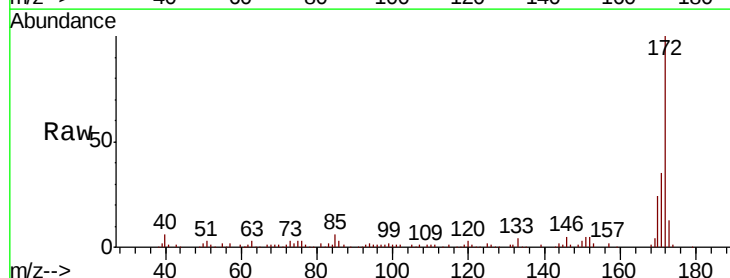


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

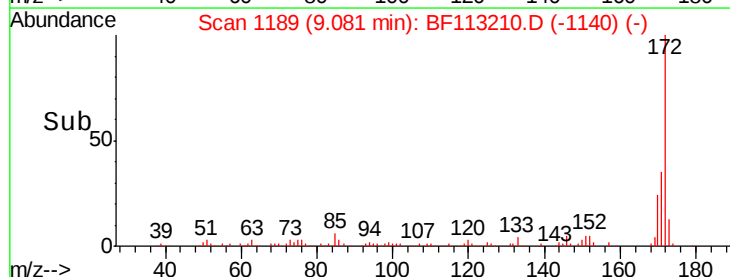
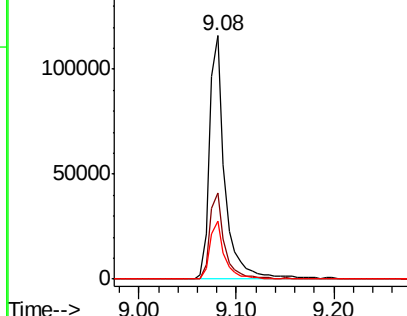


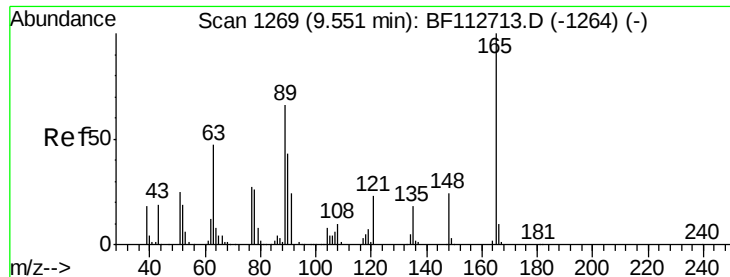
#45  
 2-Fluorobiphenyl  
 Concen: 4.975 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF113210.D  
 Acq: 21 Mar 2019 16:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 29.0  | 43.4  |
| 170     | 23.7  | 20.0  | 30.0  |



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

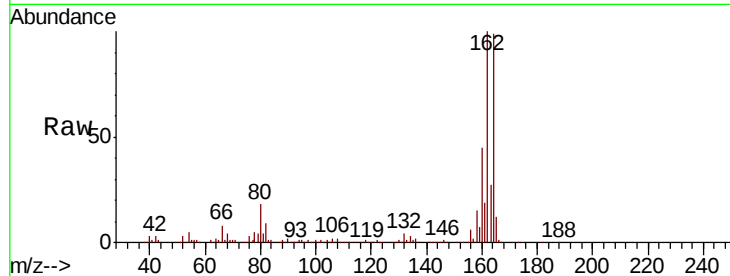




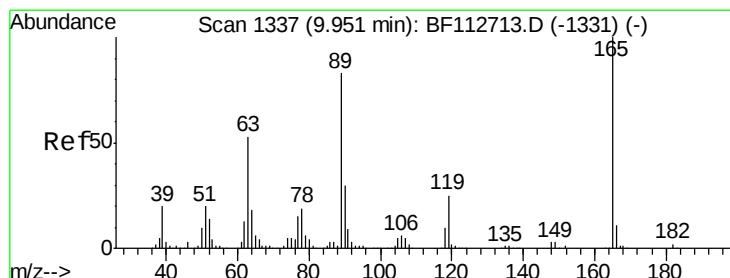
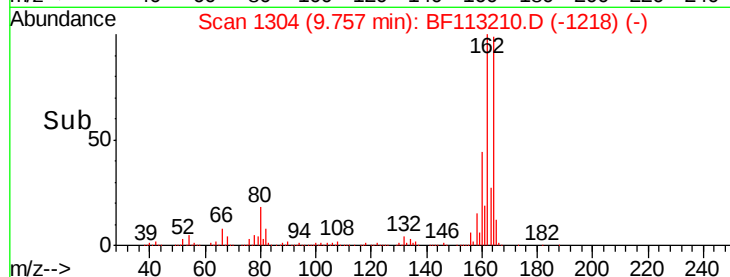
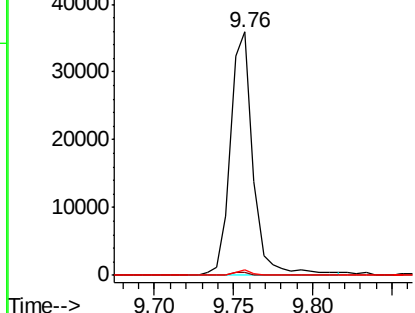
#51  
 2,6-Dinitrotoluene  
 Concen: 8.692 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. 0.21 min  
 Lab File: BF113210.D  
 Acq: 21 Mar 2019 16:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-02-032019

Tgt Ion:165 Resp: 35774  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 54.1 81.1#  
 89 2.2 52.8 79.2#



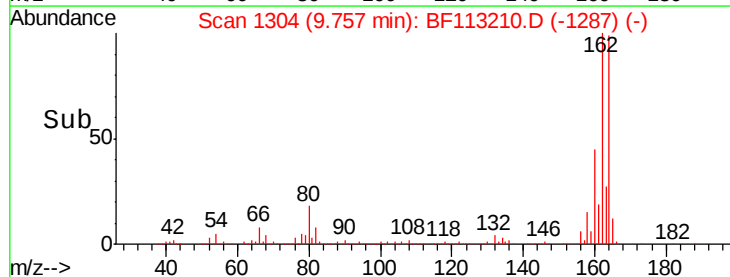
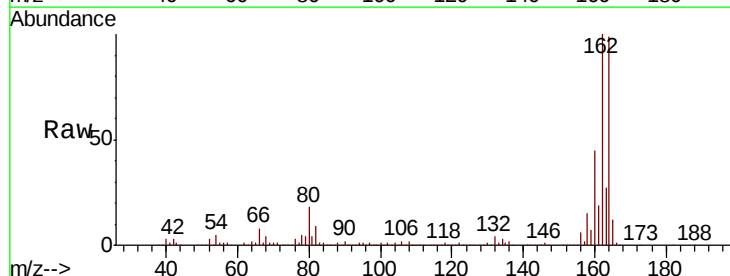
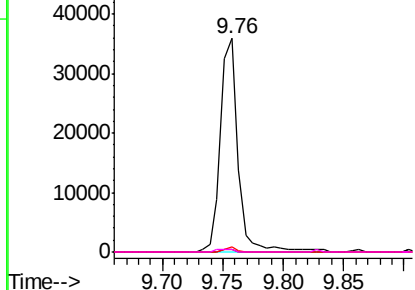
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1



#57  
 2,4-Dinitrotoluene  
 Concen: 7.066 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.20 min  
 Lab File: BF113210.D  
 Acq: 21 Mar 2019 16:01

Tgt Ion:165 Resp: 36153  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 42.2 63.2#  
 89 2.2 66.2 99.4#  
 182 0.9 1.8 2.6#

Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113210.D

Acq: 21 Mar 2019 16:01

Instrument :

BNA\_F

ClientSampleId :

HD-02-032019

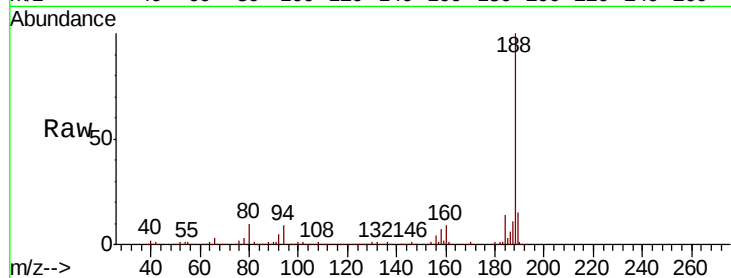
Tgt Ion:188 Resp: 525282

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.4

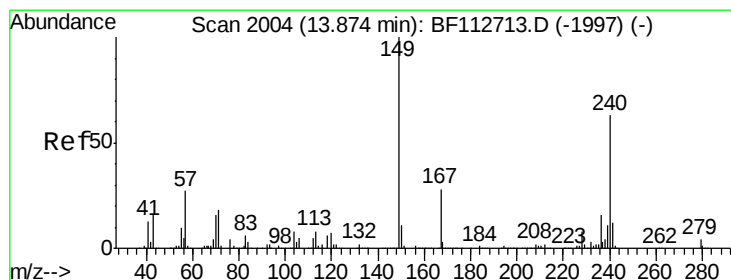
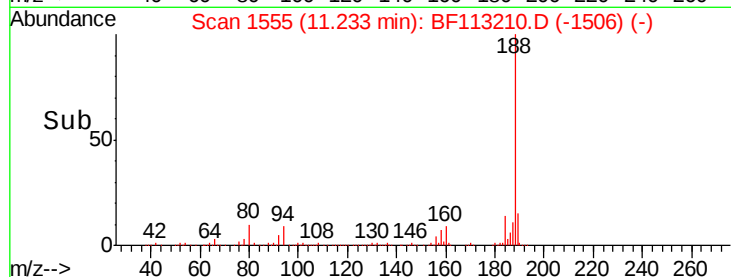
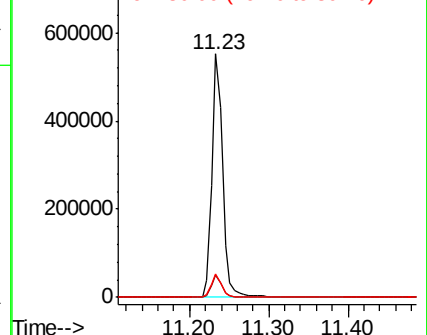
80 9.8 9.2 13.8



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113210.D

Acq: 21 Mar 2019 16:01

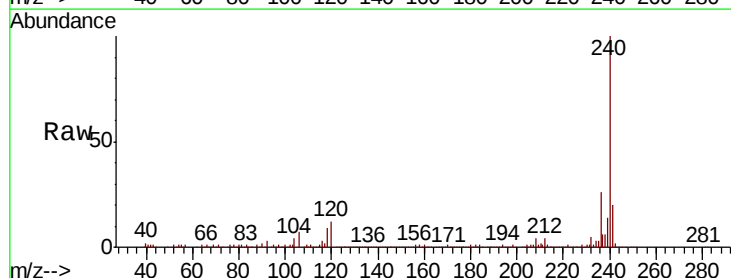
Tgt Ion:240 Resp: 329704

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

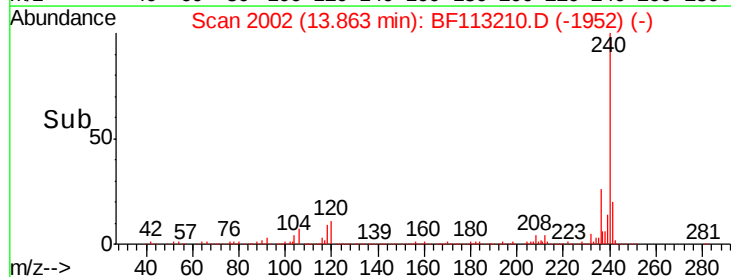
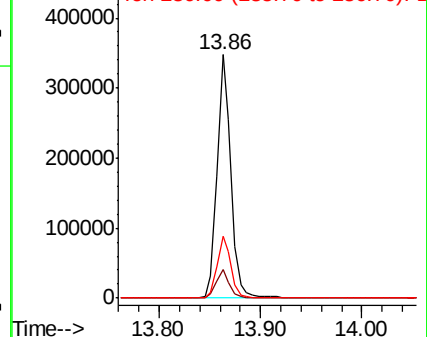
236 25.5 20.7 31.1

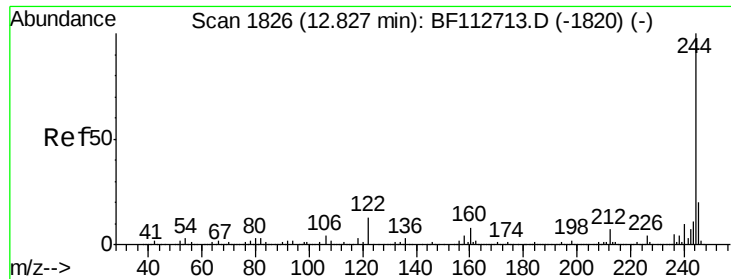


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 6.034 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113210.D

Acq: 21 Mar 2019 16:01

Instrument :

BNA\_F

ClientSampleId :

HD-02-032019

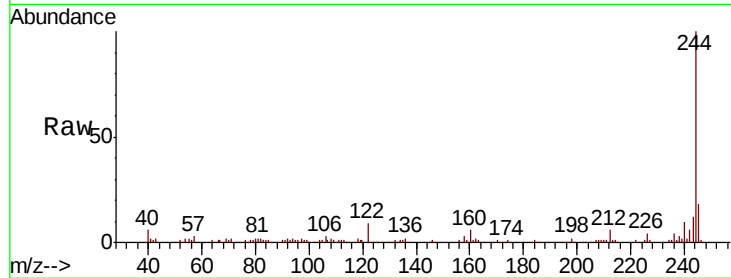
Tgt Ion:244 Resp: 102626

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

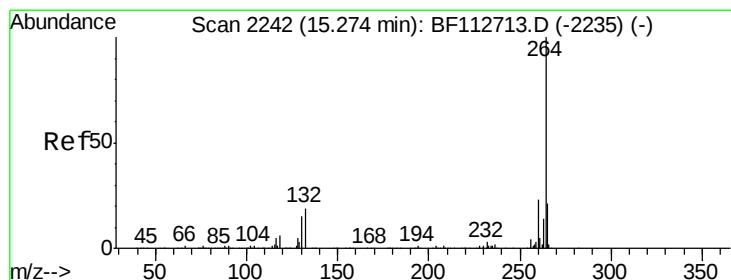
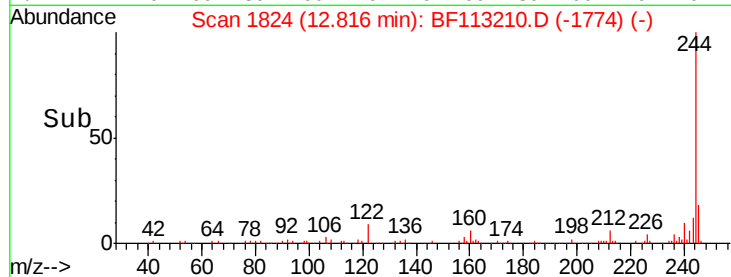
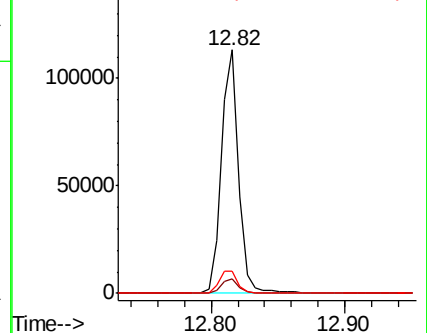
122 9.0 10.5 15.7#



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: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113210.D

Acq: 21 Mar 2019 16:01

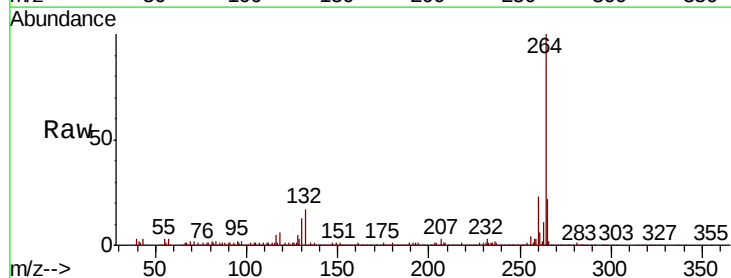
Tgt Ion:264 Resp: 310700

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.9 17.2 25.8



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

