

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042619\  
 Data File : BF114003.D  
 Acq On : 26 Apr 2019 12:13  
 Operator : JU/SJ  
 Sample : PB119139BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119139BL

Quant Time: Apr 26 22:57:40 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 23 03:32:35 2019  
 Response via : Initial Calibration

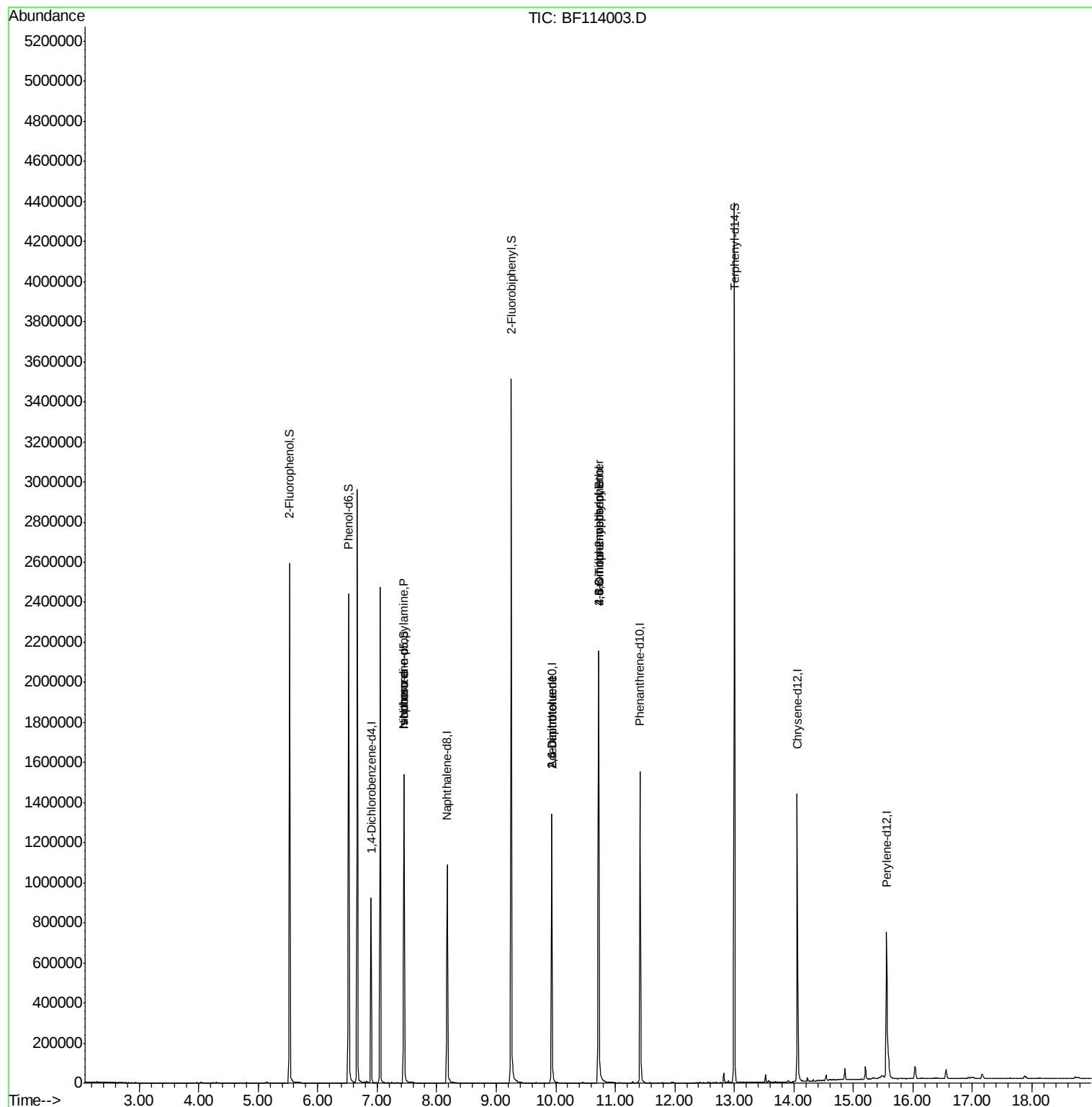
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.90  | 152  | 151358   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.17  | 136  | 588074   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.93  | 164  | 315418   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.42 | 188  | 648544   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 14.06 | 240  | 596956   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.56 | 264  | 461644   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 798248   | 90.20     | ng    | 0.01     |
| 7) Phenol-d6                   | 6.52  | 99   | 1035049  | 93.22     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 631732   | 66.33     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.72 | 330  | 354213   | 92.18     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.25  | 172  | 1331380  | 66.02     | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.00 | 244  | 1665820  | 57.21     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.67  | 77   | 18790    | Below Cal |       | 87       |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 83731    | 11.645 ng | #     | 78       |
| 25) Isophorone                 | 7.45  | 82   | 629300   | 32.291 ng | #     | 65       |
| 51) 2,6-Dinitrotoluene         | 9.93  | 165  | 39873    | 8.147 ng  | #     | 33       |
| 57) 2,4-Dinitrotoluene         | 9.93  | 165  | 39874    | 6.455 ng  | #     | 29       |
| 65) 4,6-Dinitro-2-methylphenol | 10.72 | 198  | 636      | 7.490 ng  | #     | 1        |
| 67) 4-Bromophenyl-phenylether  | 10.72 | 248  | 22479    | 2.869 ng  | #     | 1        |

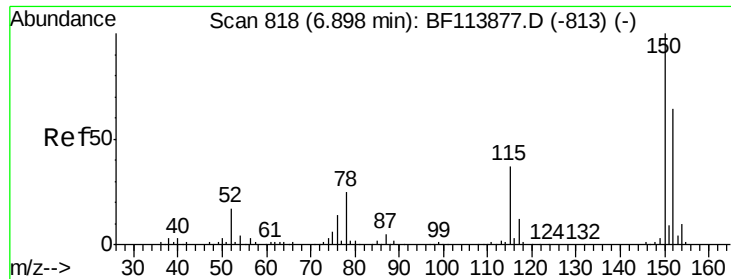
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042619\  
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Sample : PB119139BL  
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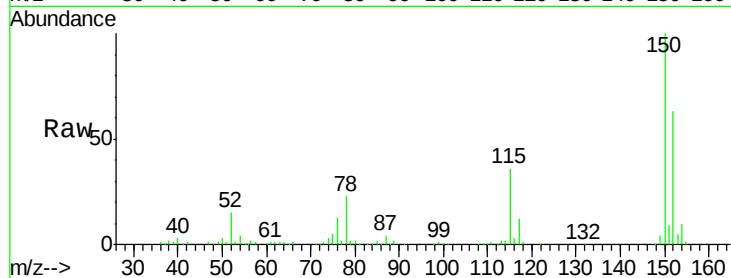


#1

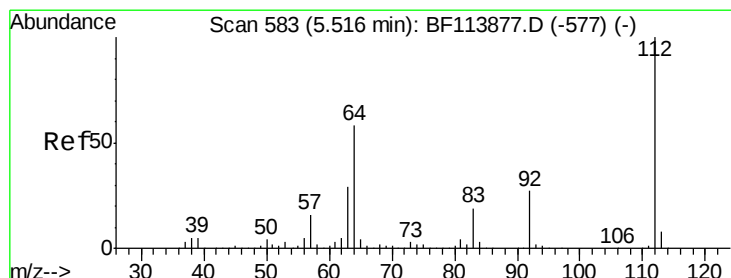
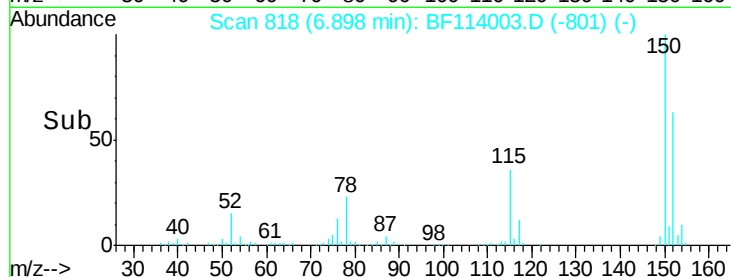
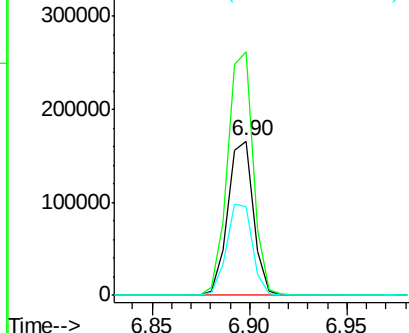
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BF114003.D  
Acq: 26 Apr 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB119139BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.1 | 125.9 | 188.9 |
| 115     | 57.7  | 45.9  | 68.9  |



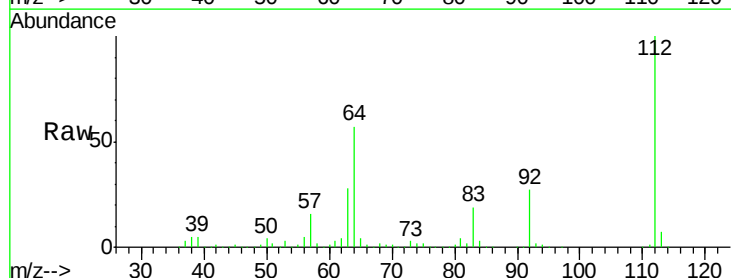
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



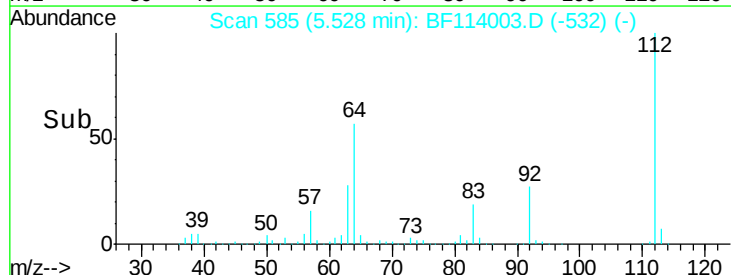
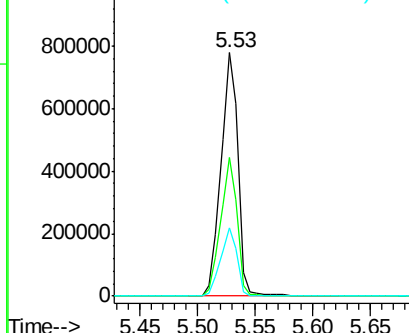
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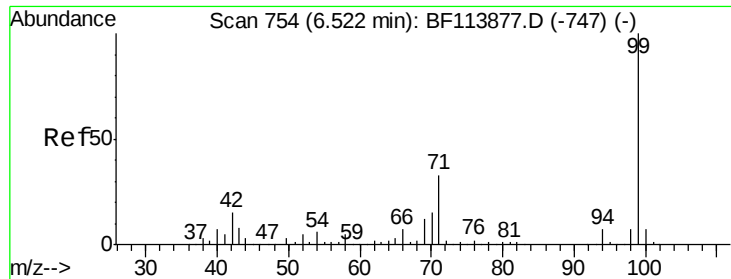
2-Fluorophenol  
Concen: 90.203 ng  
RT: 5.53 min Scan# 585  
Delta R.T. 0.01 min  
Lab File: BF114003.D  
Acq: 26 Apr 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.0  | 46.6  | 69.8  |
| 63      | 28.3  | 23.1  | 34.7  |



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: 93.225 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB119139BL

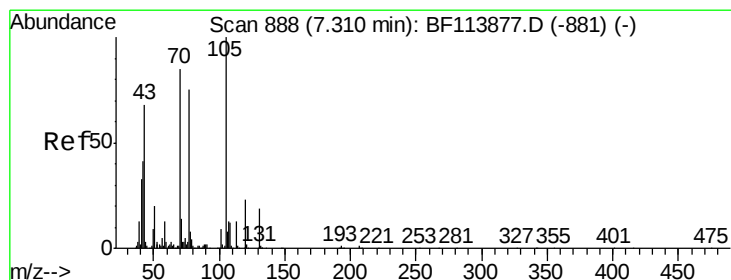
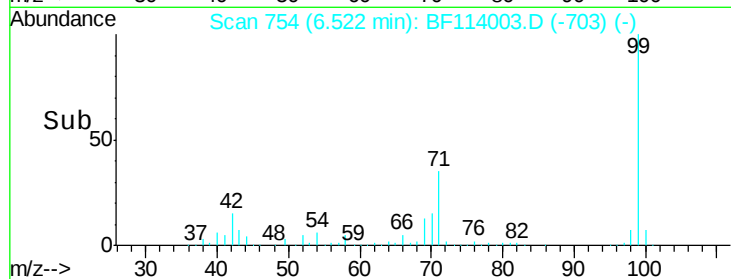
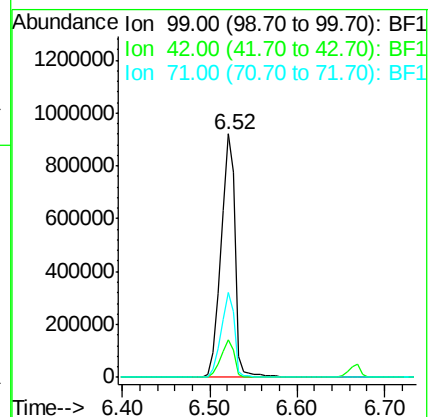
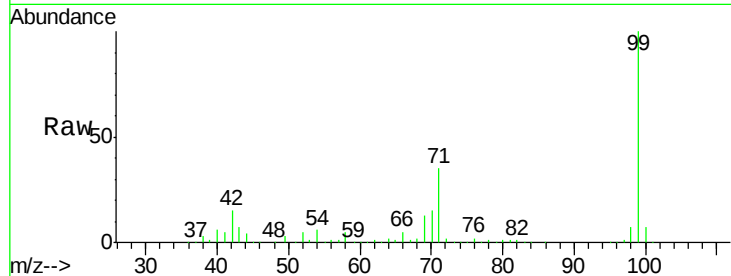
Tot Ion: 99 Resp: 1035049

Ion Ratio Lower Upper

99 100

42 15.2 12.5 18.7

71 34.8 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.645 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

Tgt Ion: 70 Resp: 83731

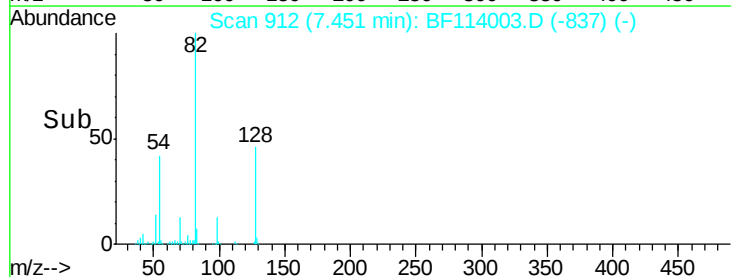
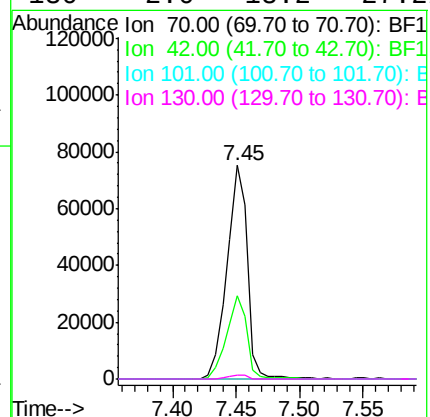
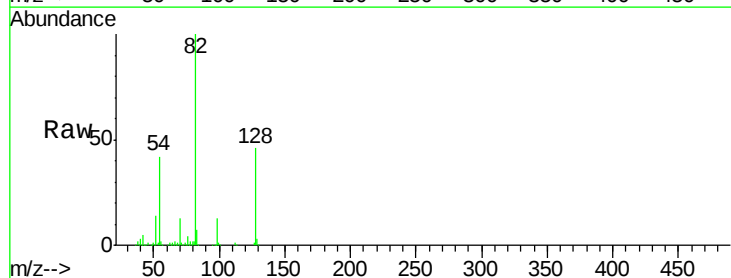
Ion Ratio Lower Upper

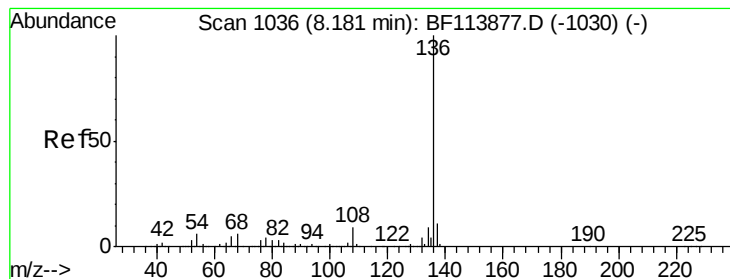
70 100

42 39.0 37.3 55.9

101 0.0 7.8 11.8#

130 2.0 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB119139BL

Tot Ion:136 Resp: 588074

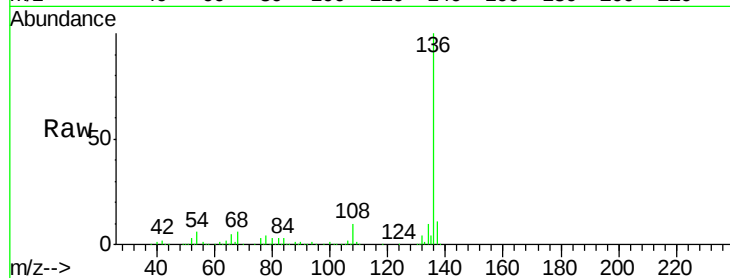
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.4 5.0 7.6

68 6.5 4.9 7.3

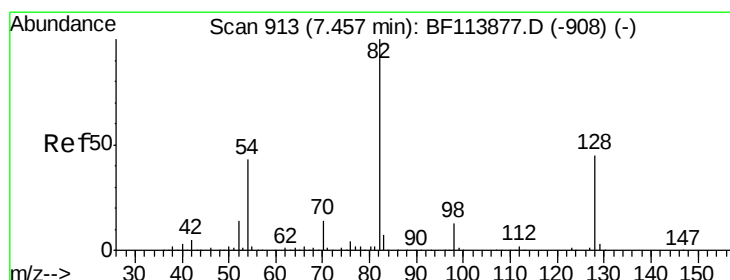
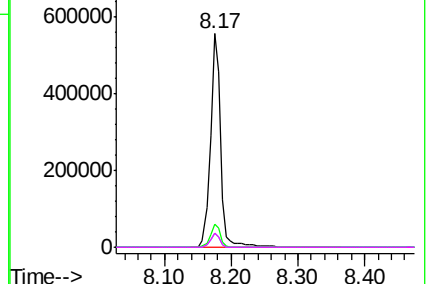
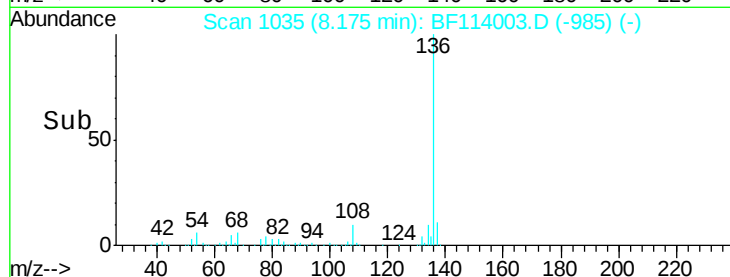


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.328 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

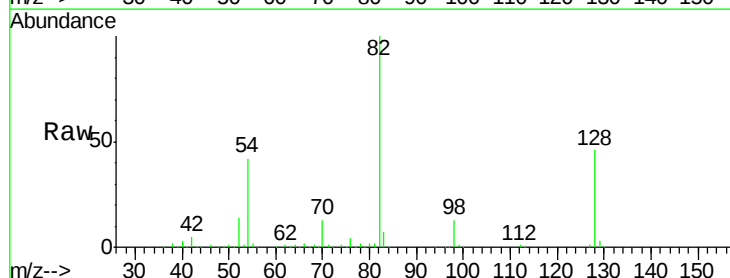
Tgt Ion: 82 Resp: 631732

Ion Ratio Lower Upper

82 100

128 45.8 36.8 55.2

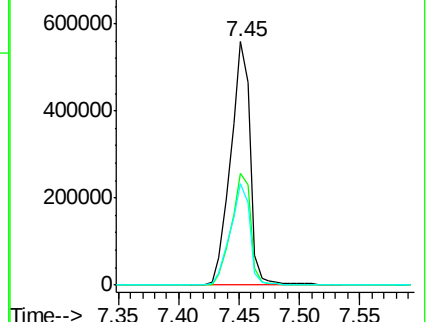
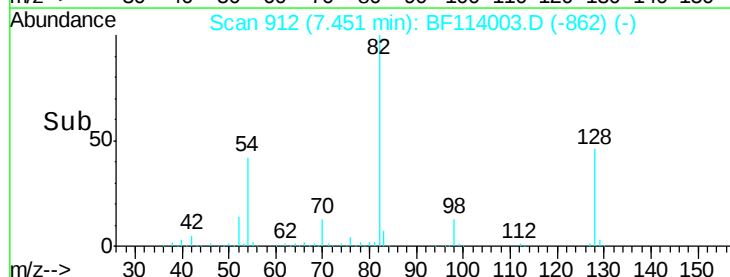
54 41.9 33.8 50.6

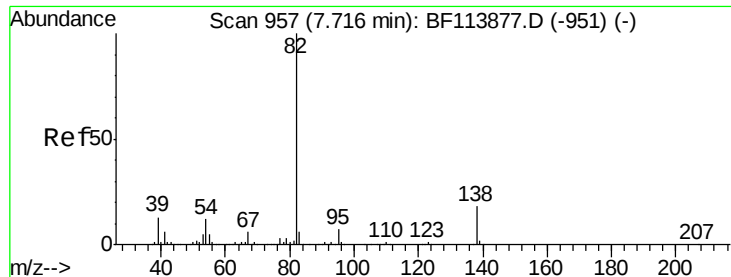


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.291 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

Instrument :

BNA\_F

ClientSampleId :

PB119139BL

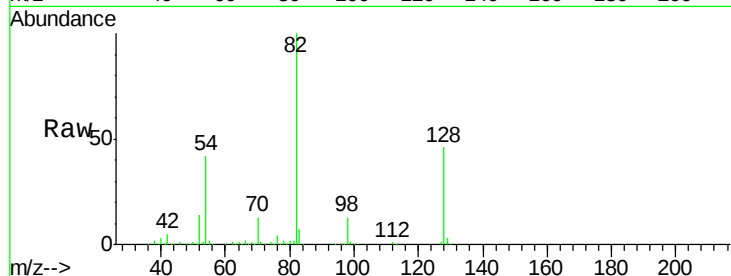
Tot Ion: 82 Resp: 629300

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

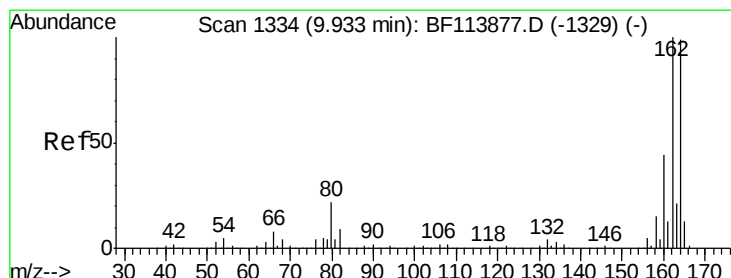
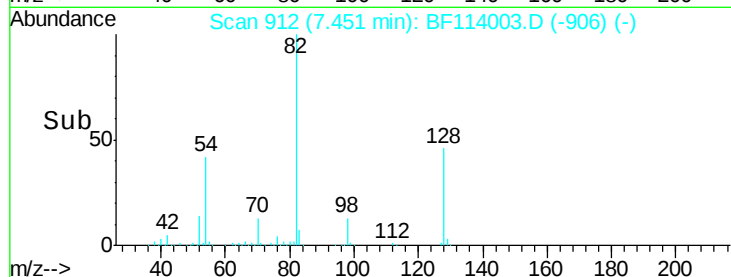
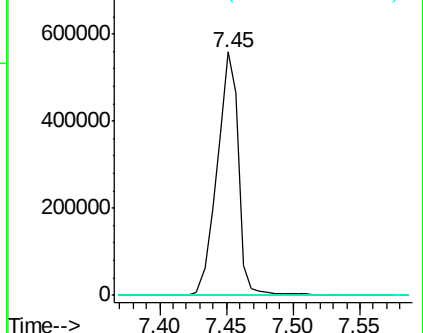
138 0.0 14.6 22.0#



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: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

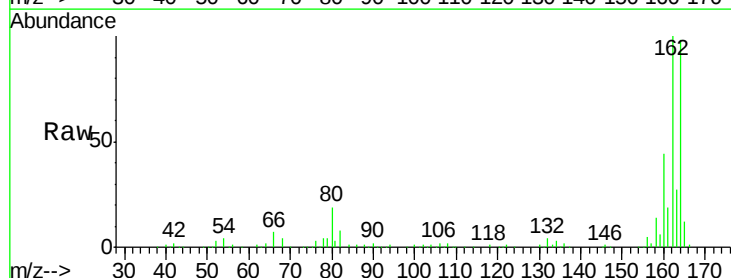
Tgt Ion:164 Resp: 315418

Ion Ratio Lower Upper

164 100

162 101.5 81.1 121.7

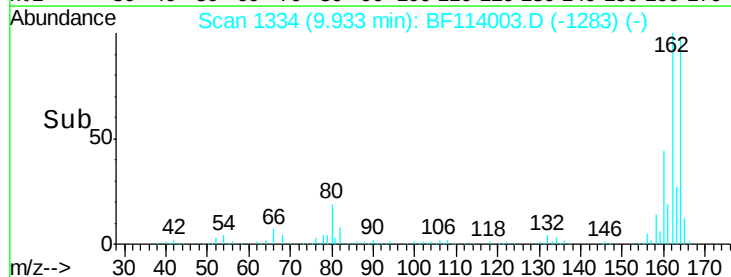
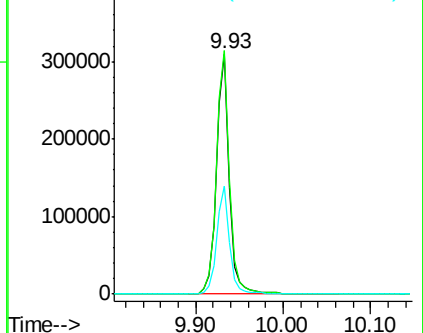
160 44.9 35.8 53.6

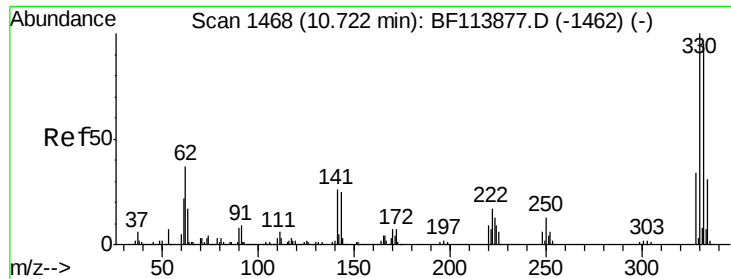


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

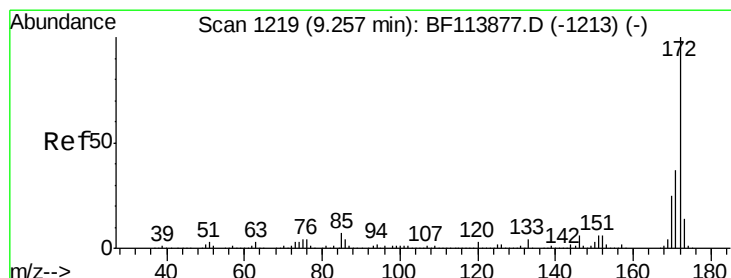
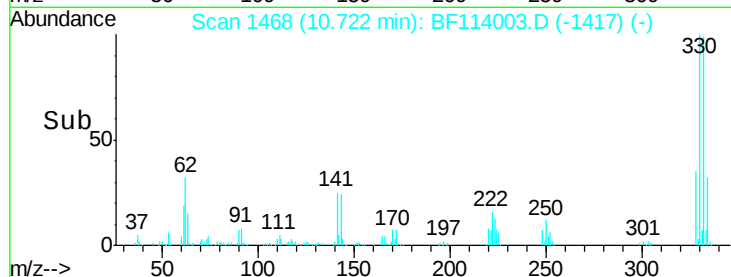
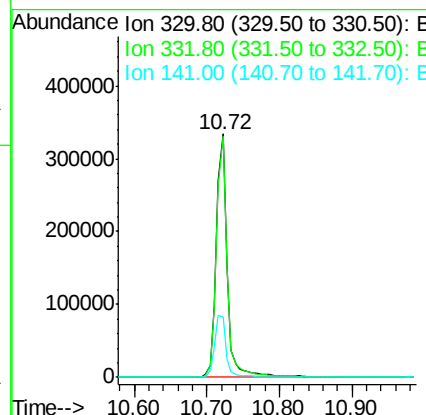
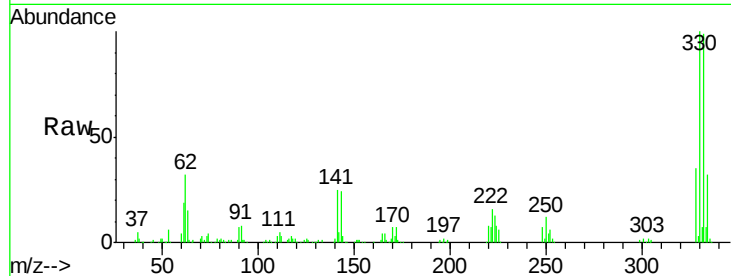




#42  
 2,4,6-Tribromophenol  
 Concen: 92.184 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. 0.00 min  
 Lab File: BF114003.D  
 Acq: 26 Apr 2019 12:13

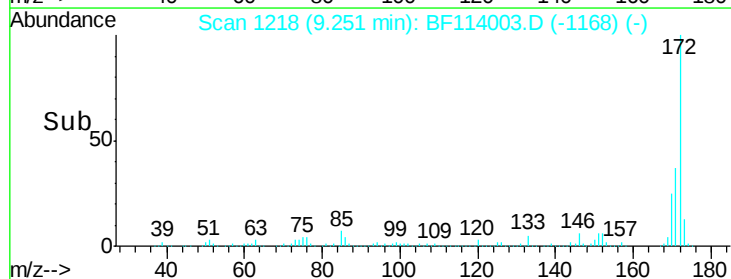
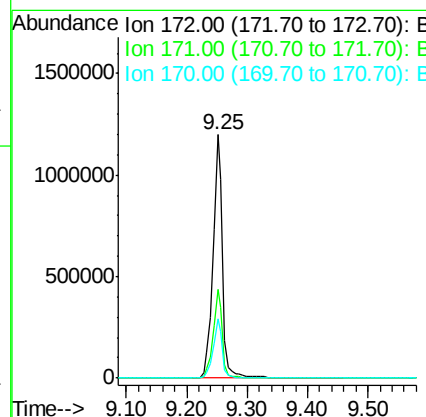
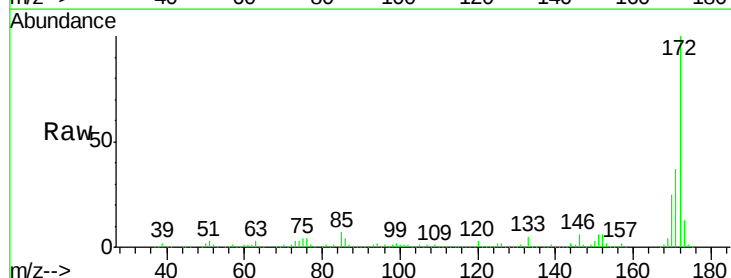
Instrument :  
 BNA\_F  
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 PB119139BL

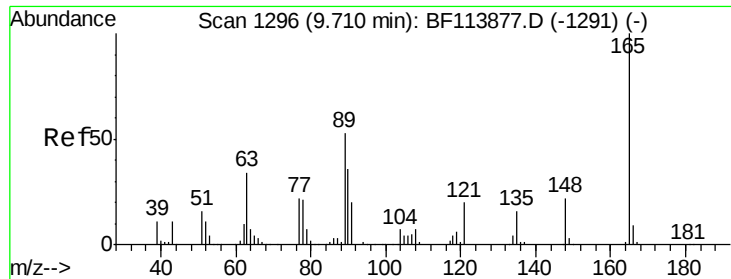
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.9  | 77.5  | 116.3 |
| 141     | 27.3  | 22.2  | 33.2  |



#45  
 2-Fluorobiphenyl  
 Concen: 66.018 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.00 min  
 Lab File: BF114003.D  
 Acq: 26 Apr 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 29.4  | 44.0  |
| 170     | 24.6  | 19.9  | 29.9  |

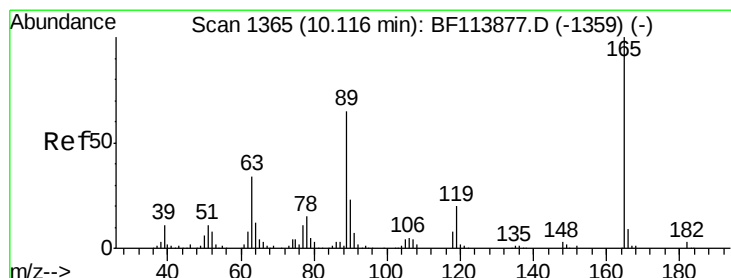
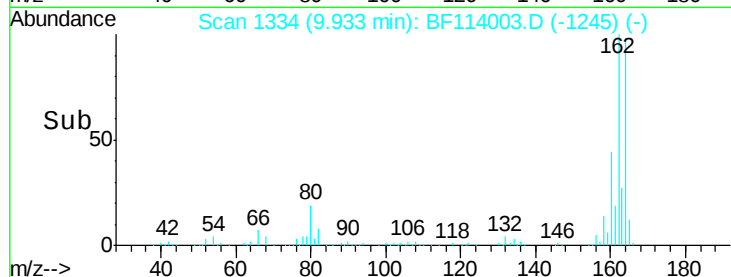
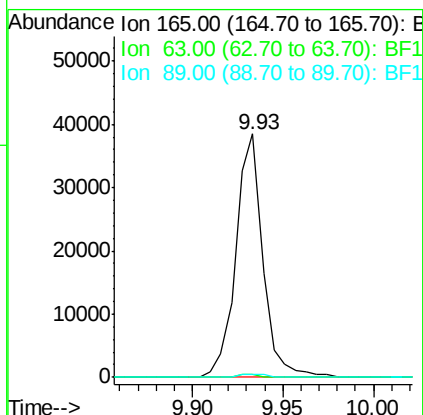
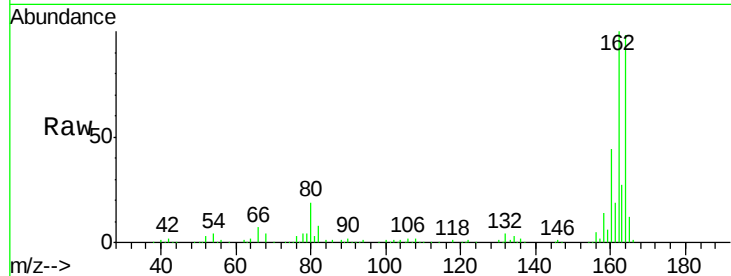




#51  
 2,6-Dinitrotoluene  
 Concen: 8.147 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. 0.22 min  
 Lab File: BF114003.D  
 Acq: 26 Apr 2019 12:13

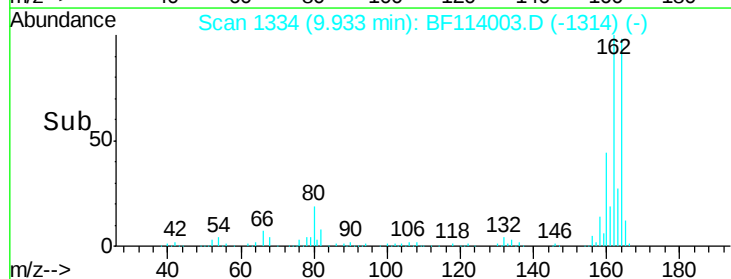
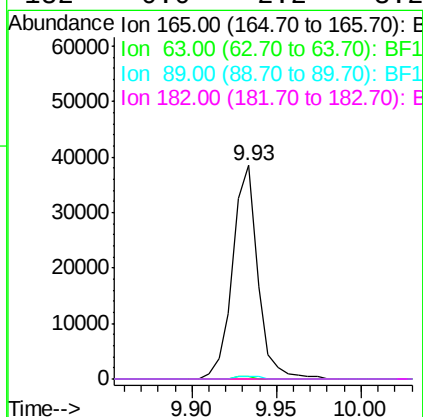
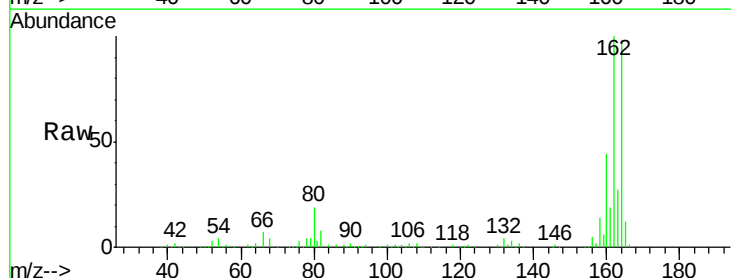
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119139BL

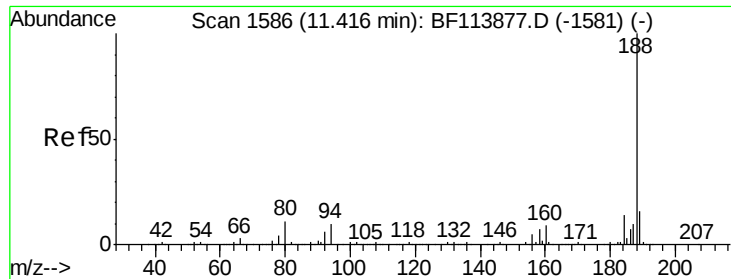
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 33.8  | 50.8# |
| 89      | 1.4   | 38.2  | 57.2# |



#57  
 2,4-Dinitrotoluene  
 Concen: 6.455 ng  
 RT: 9.93 min Scan# 1334  
 Delta R.T. -0.18 min  
 Lab File: BF114003.D  
 Acq: 26 Apr 2019 12:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 27.4  | 41.0# |
| 89      | 1.4   | 51.8  | 77.6# |
| 182     | 0.0   | 2.2   | 3.2#  |

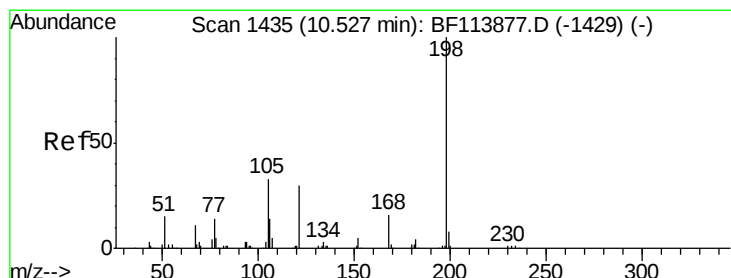
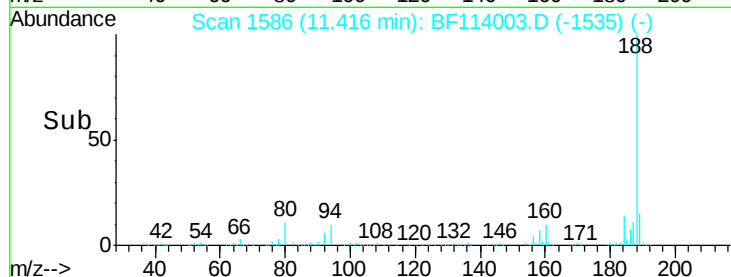
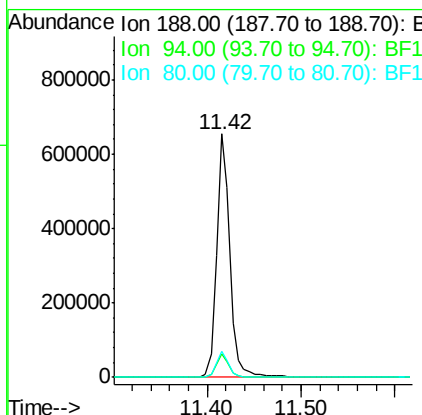
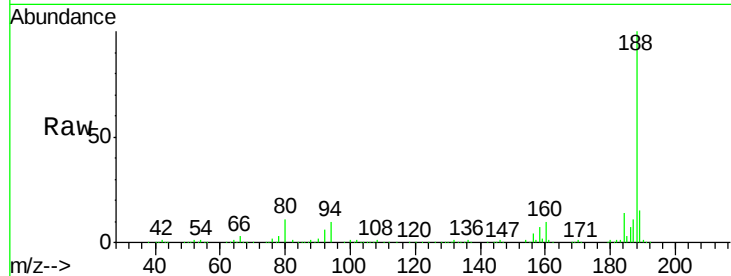




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.42 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: BF114003.D  
 Acq: 26 Apr 2019 12:13

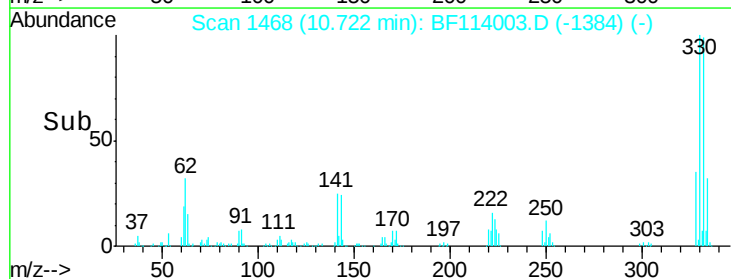
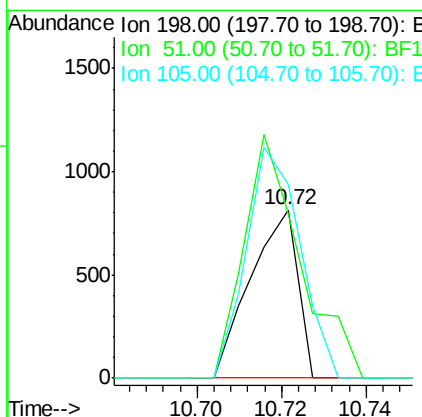
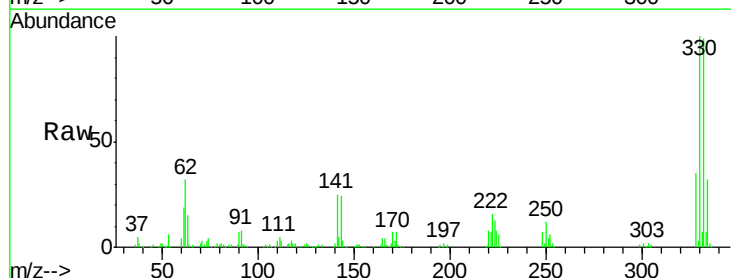
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB119139BL

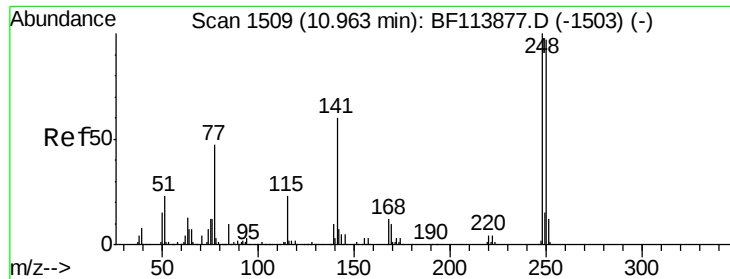
Tot Ion:188 Resp: 648544  
 Ion Ratio Lower Upper  
 188 100  
 94 9.6 8.2 12.4  
 80 10.8 9.0 13.6



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.490 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. 0.19 min  
 Lab File: BF114003.D  
 Acq: 26 Apr 2019 12:13

Tgt Ion:198 Resp: 636  
 Ion Ratio Lower Upper  
 198 100  
 51 97.5 11.1 51.1#  
 105 115.2 20.7 60.7#

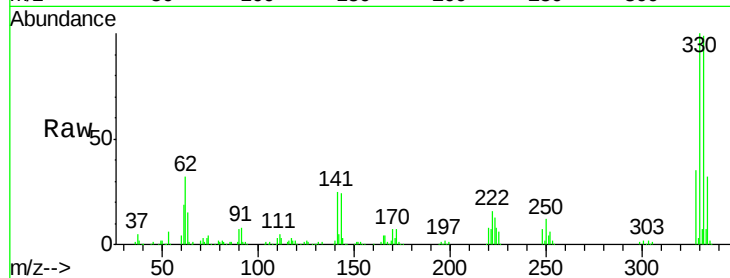




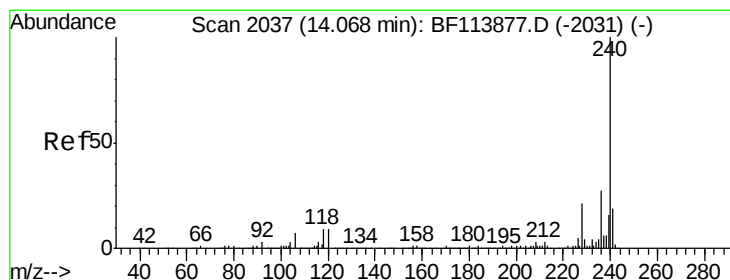
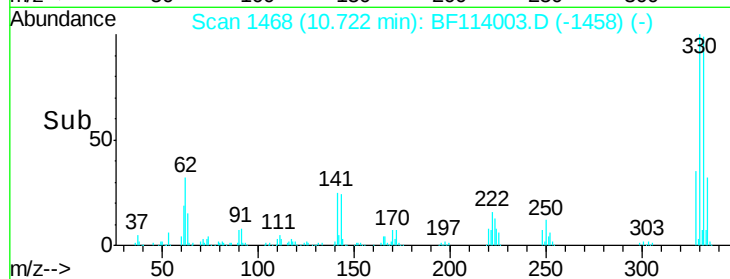
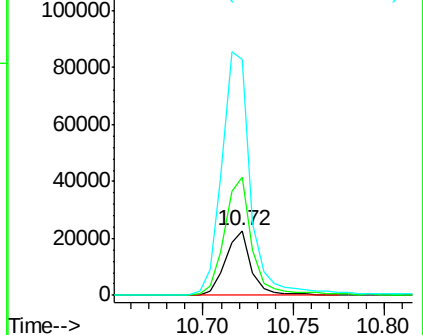
#67  
4-Bromophenyl-phenylether  
Concen: 2.869 ng  
RT: 10.72 min Scan# 1468  
Delta R.T. -0.24 min  
Lab File: BF114003.D  
Acq: 26 Apr 2019 12:13

Instrument :  
BNA\_F  
ClientSampleId :  
PB119139BL

Tot Ion:248 Resp: 22479  
Ion Ratio Lower Upper  
248 100  
250 182.6 75.8 113.6#  
141 366.0 50.2 75.4#

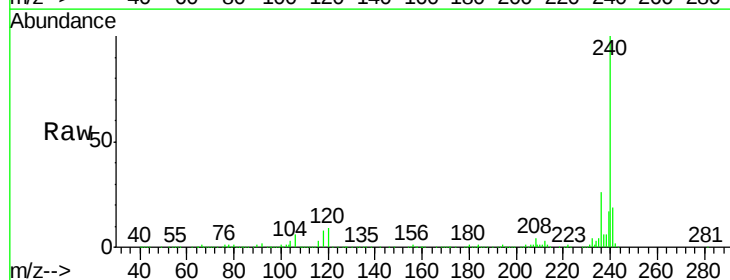


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

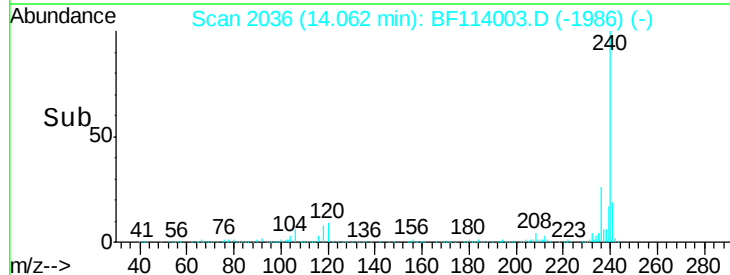
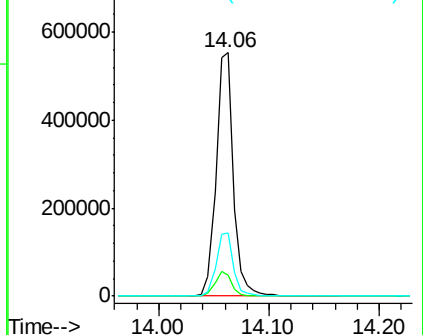


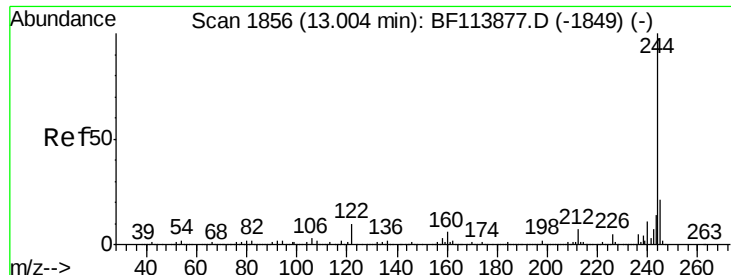
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. -0.01 min  
Lab File: BF114003.D  
Acq: 26 Apr 2019 12:13

Tgt Ion:240 Resp: 596956  
Ion Ratio Lower Upper  
240 100  
120 8.8 9.3 13.9#  
236 26.2 21.2 31.8



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: 57.209 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

Instrument :

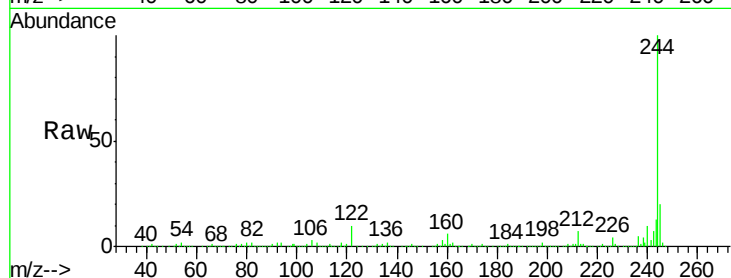
BNA\_F

ClientSampleId :

PB119139BL

Tot Ion:244 Resp: 1665820

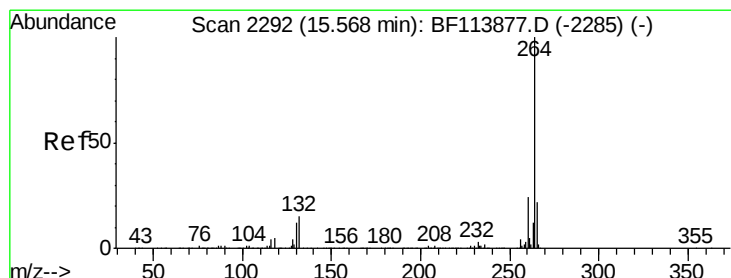
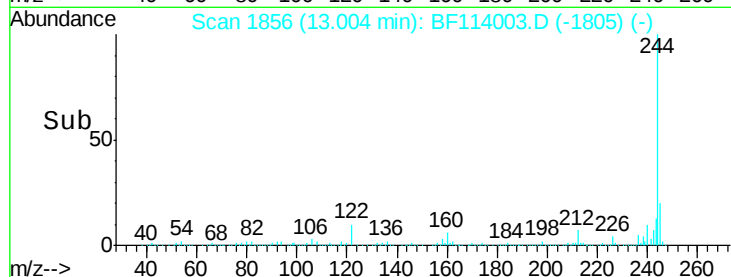
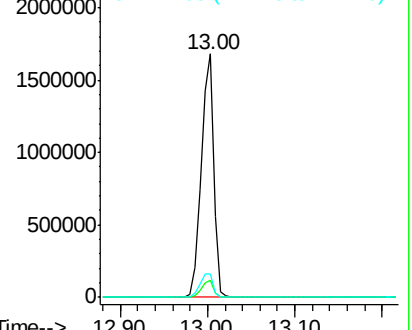
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.4   | 8.2   |
| 122 | 9.6   | 7.6   | 11.4  |



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: 15.56 min Scan# 2291

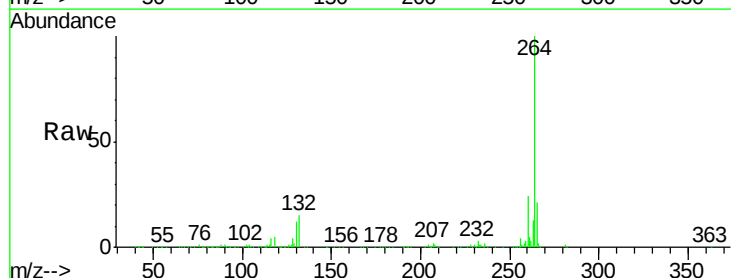
Delta R.T. -0.01 min

Lab File: BF114003.D

Acq: 26 Apr 2019 12:13

Tgt Ion:264 Resp: 461644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 18.9  | 28.3  |
| 265 | 21.2  | 17.3  | 25.9  |



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

