

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF090919\  
 Data File : BF116915.D  
 Acq On : 9 Sep 2019 23:40  
 Operator : HP/JU  
 Sample : K4758-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4-8

Quant Time: Sep 10 03:04:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 2019  
 Response via : Initial Calibration

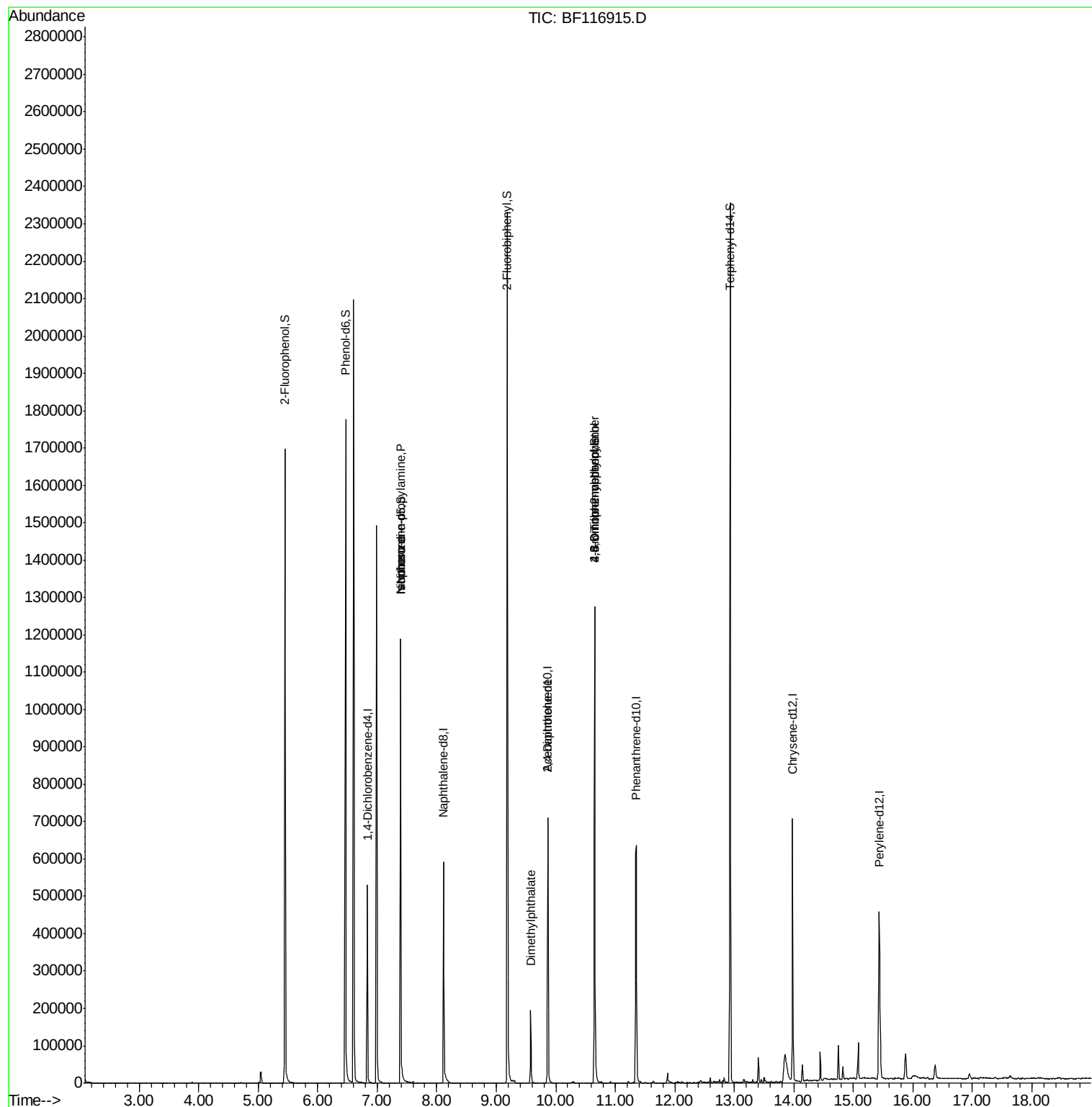
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 74827    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.12  | 136  | 302118   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 9.87  | 164  | 157903   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.35 | 188  | 271415   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 13.98 | 240  | 223908   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.43 | 264  | 214742   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 483894   | 104.77 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.47  | 99   | 671260   | 110.68 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 413644   | 78.16  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.66 | 330  | 147434   | 139.67 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 722806   | 77.22  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.93 | 244  | 779222   | 64.38  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 54695    | 13.696 | ng    | # 70     |
| 25) Isophorone                 | 7.39  | 82   | 413642   | 38.572 | ng    | # 66     |
| 50) Dimethylphthalate          | 9.58  | 163  | 93608    | 8.587  | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 20771    | 8.167  | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 290      | 7.696  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 9623     | 3.490  | ng    | # 1      |

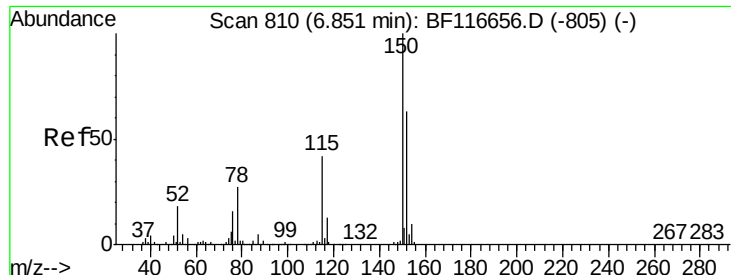
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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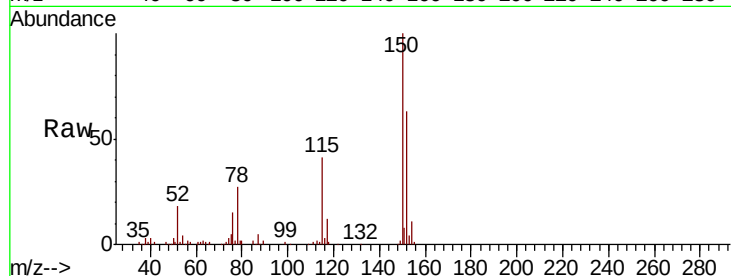


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.02 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

Instrument :  
BNA\_F  
ClientSampleId :  
B-4-8

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.4 | 124.4 | 186.6 |
| 115     | 65.8  | 49.9  | 74.9  |

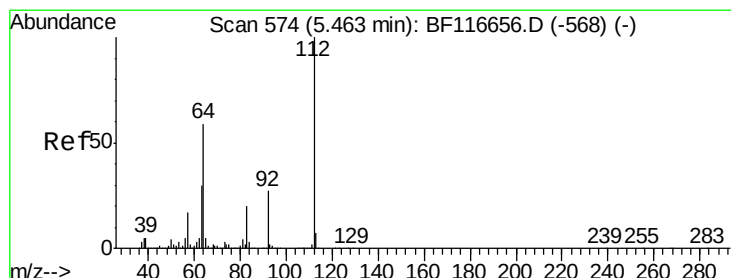
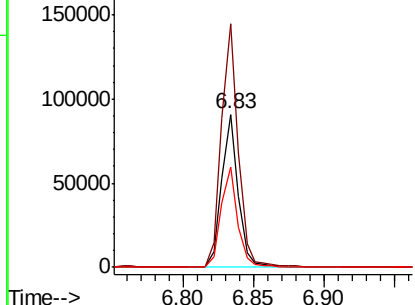
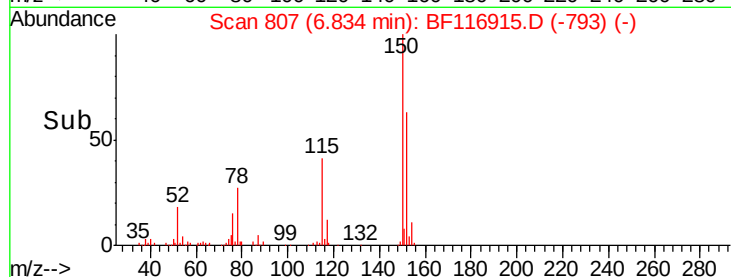


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

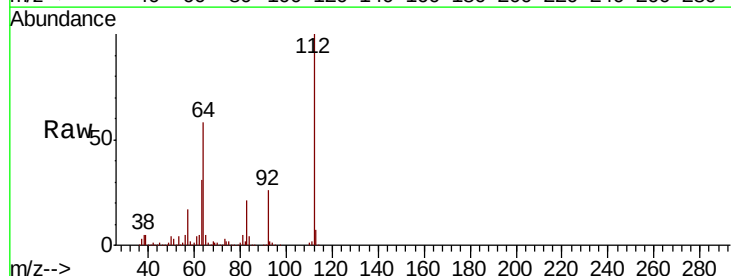
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 104.766 ng  
RT: 5.45 min Scan# 572  
Delta R.T. -0.01 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.1  | 47.1  | 70.7  |
| 63      | 30.5  | 24.9  | 37.3  |

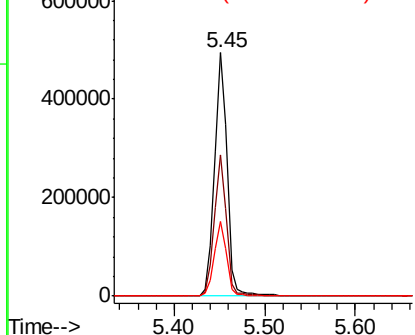
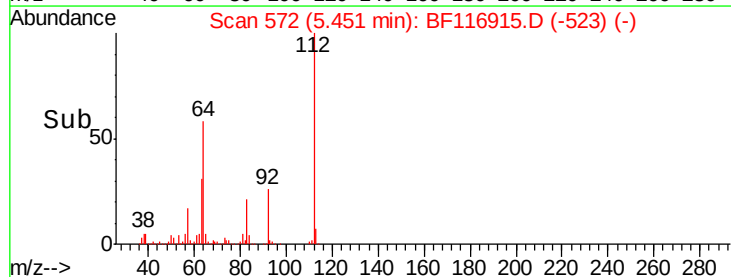


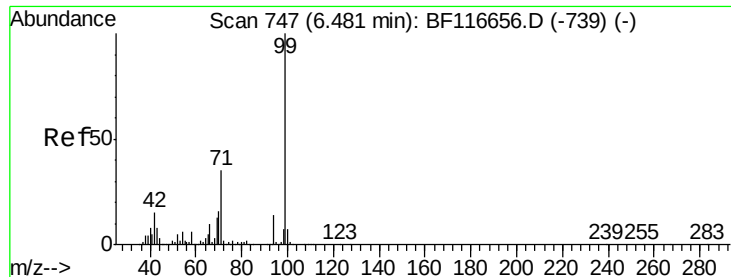
Abundance

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: 110.678 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

Instrument :

BNA\_F

ClientSampleId :

B-4-8

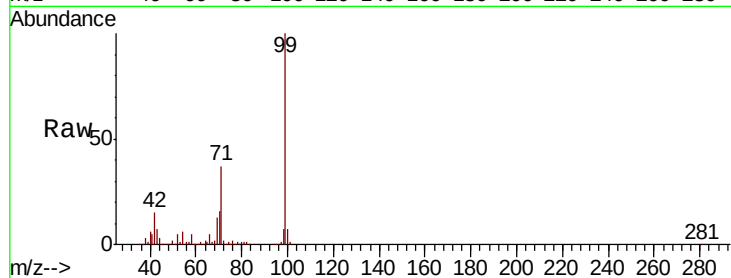
Tgt Ion: 99 Resp: 671260

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

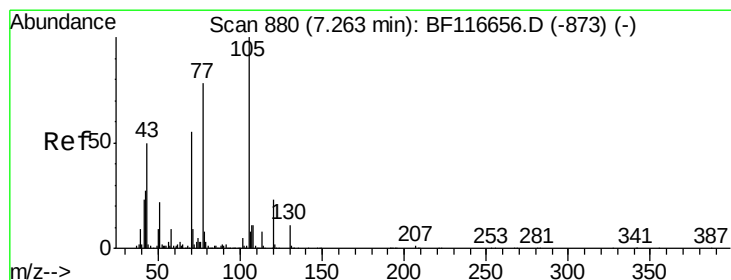
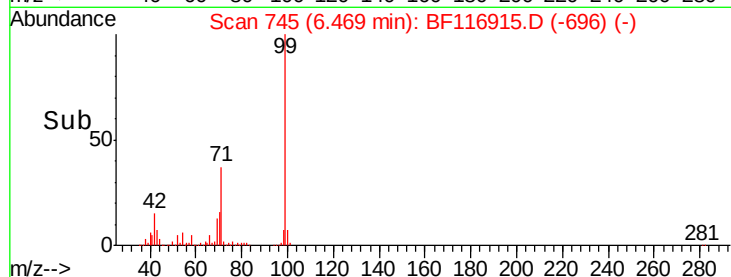
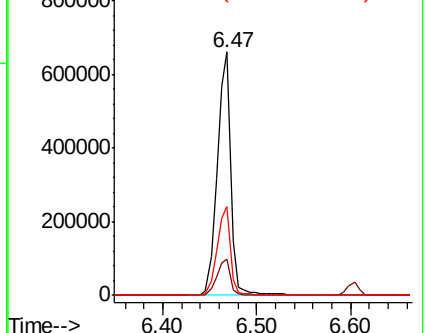
71 36.7 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.696 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

Tgt Ion: 70 Resp: 54695

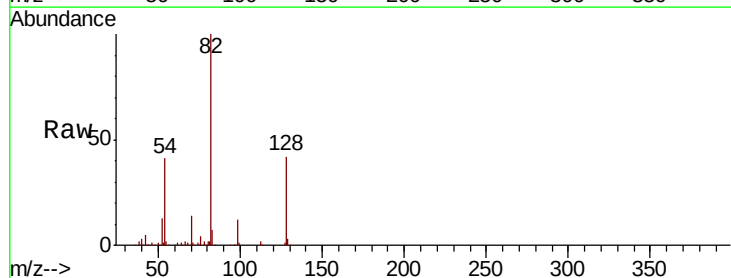
Ion Ratio Lower Upper

70 100

42 35.3 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#

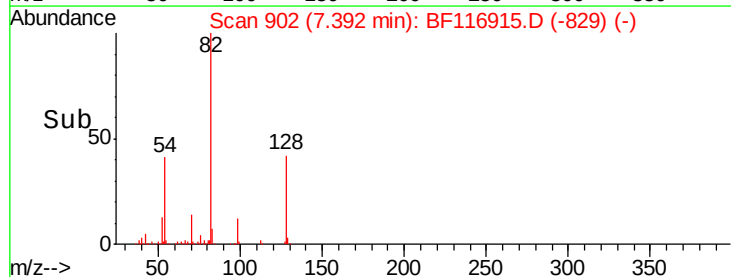
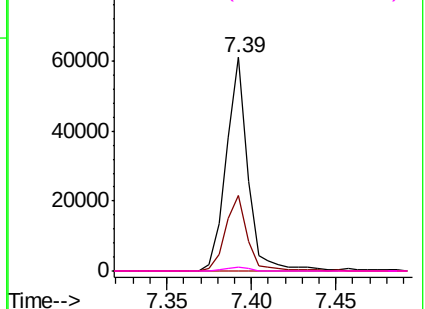


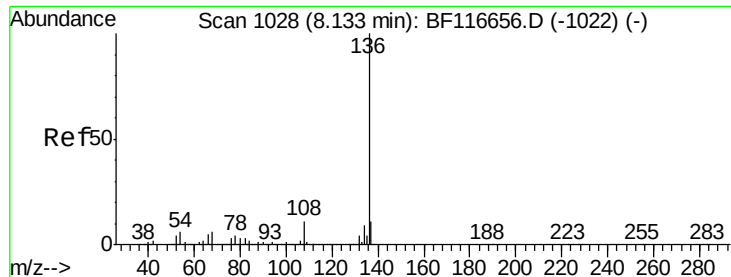
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

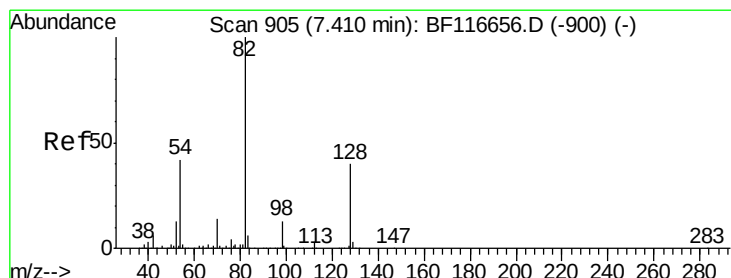
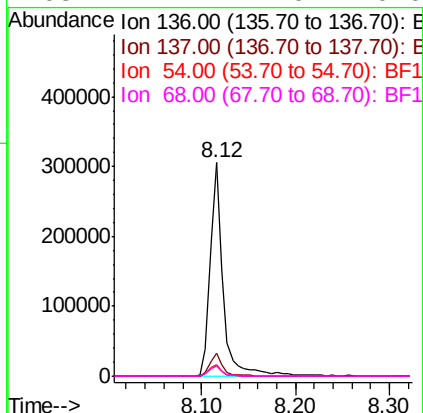
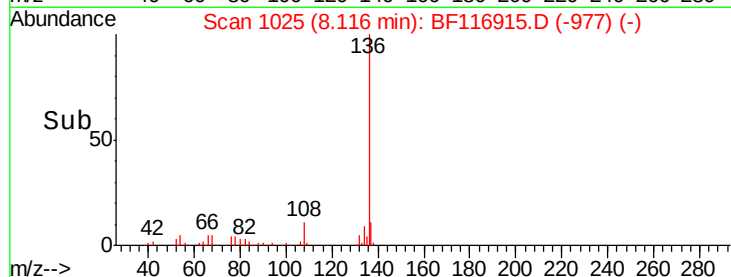
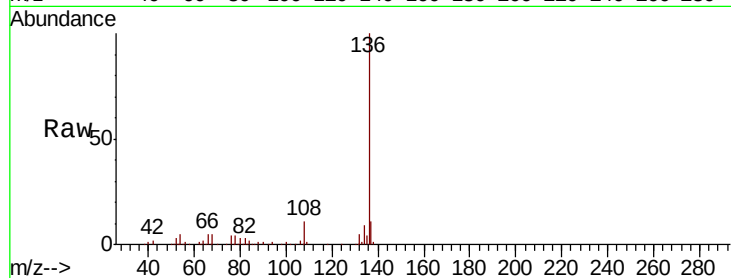




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.02 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

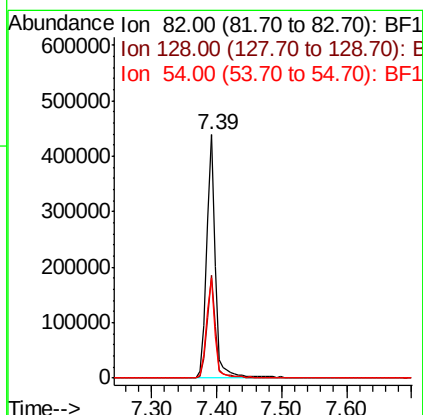
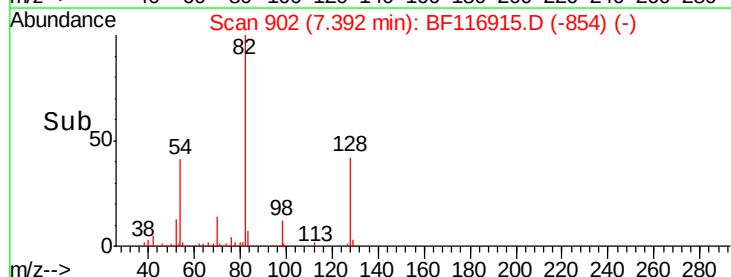
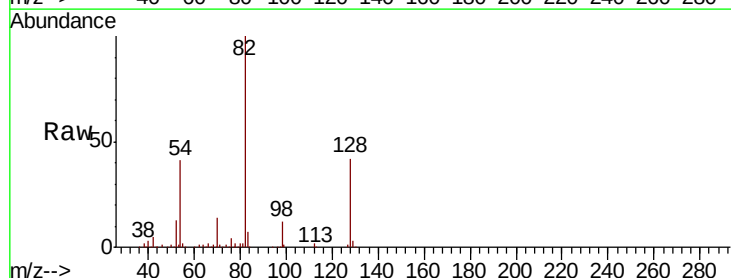
Instrument :  
BNA\_F  
ClientSampleId :  
B-4-8

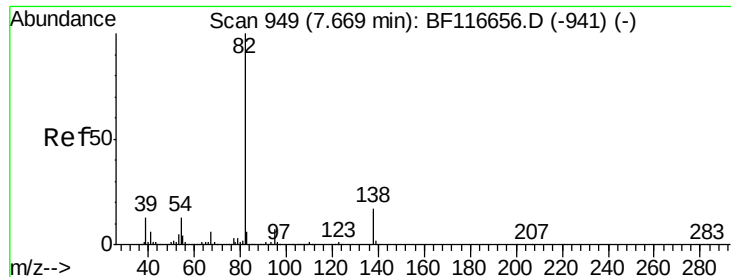
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 302118 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 5.1   | 4.8   | 7.2    |
| 68       | 4.7   | 4.0   | 6.0    |



#23  
Nitrobenzene-d5  
Concen: 78.161 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.02 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 413644 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.1  | 32.8  | 49.2   |
| 54       | 41.4  | 36.9  | 55.3   |





#25

Isophorone

Concen: 38.572 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

Instrument :

BNA\_F

ClientSampleId :

B-4-8

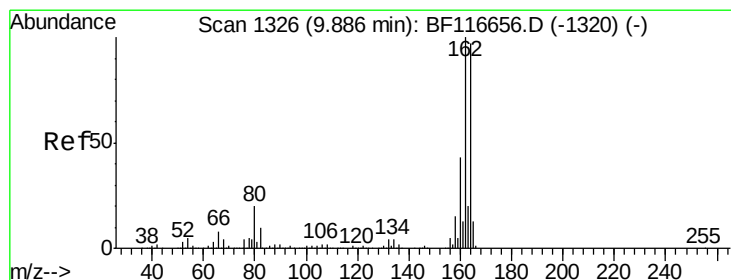
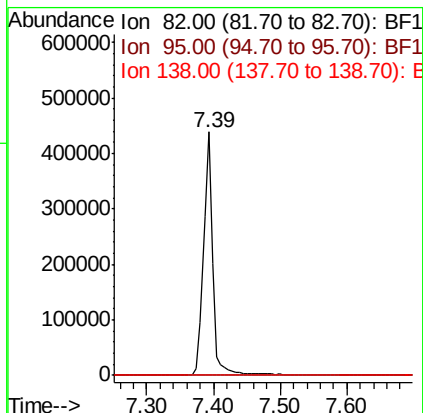
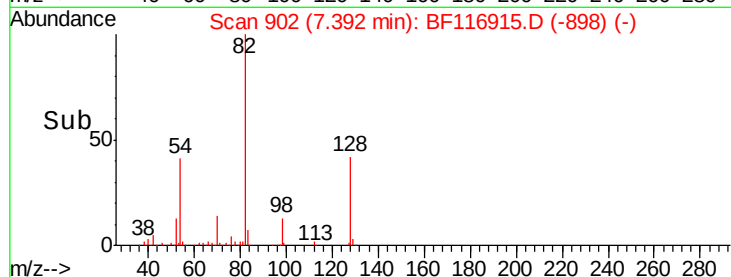
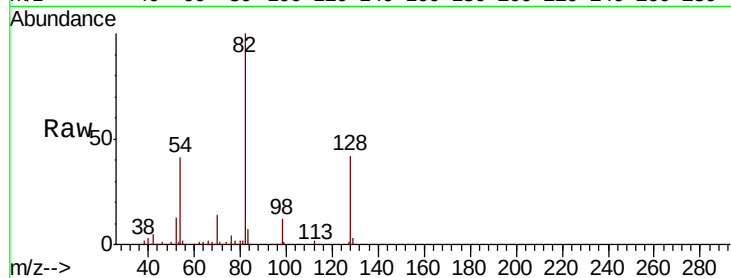
Tgt Ion: 82 Resp: 413642

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

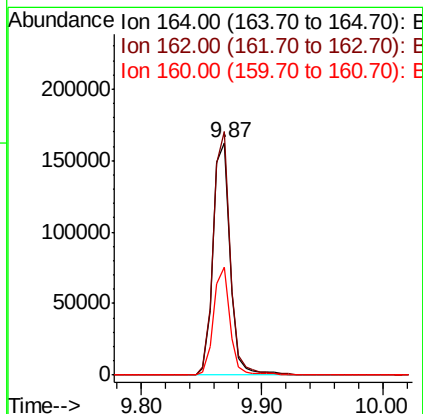
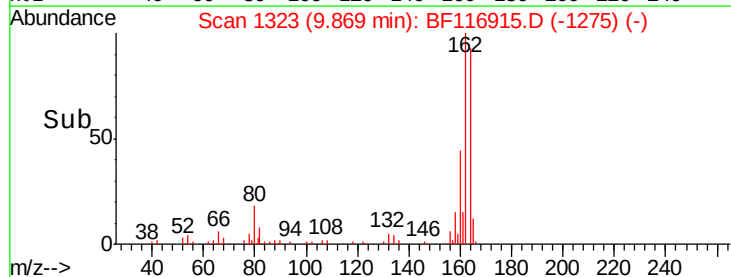
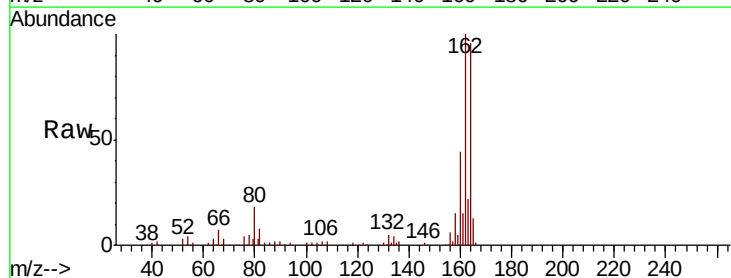
Tgt Ion: 164 Resp: 157903

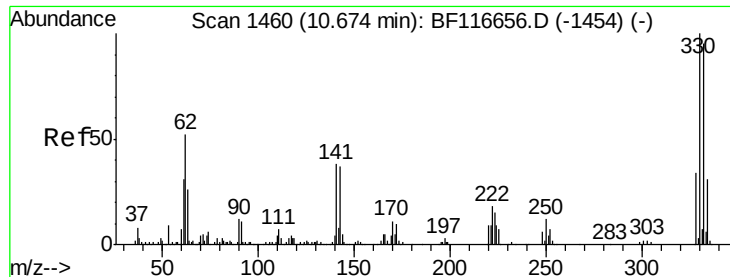
Ion Ratio Lower Upper

164 100

162 104.6 81.4 122.0

160 46.4 35.4 53.2

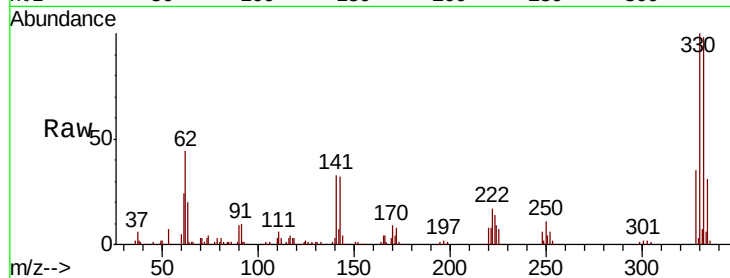




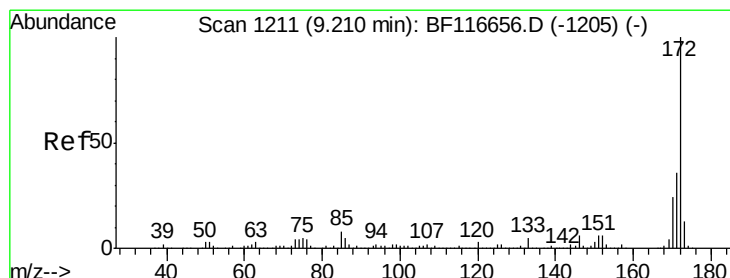
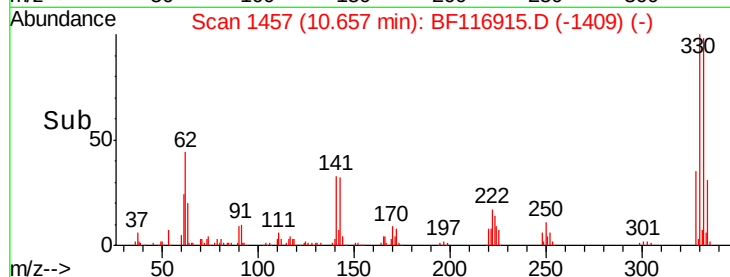
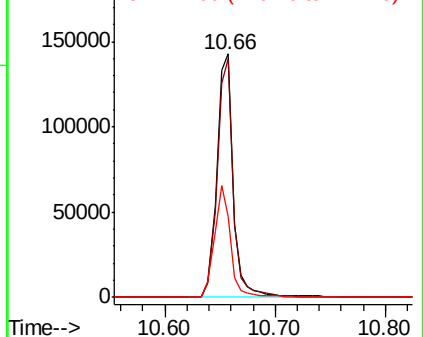
#42  
 2,4,6-Tribromophenol  
 Concen: 139.666 ng  
 RT: 10.66 min Scan# 1457  
 Delta R.T. -0.02 min  
 Lab File: BF116915.D  
 Acq: 9 Sep 2019 23:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-4-8

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 76.9  | 115.3 |
| 141     | 44.6  | 31.4  | 47.2  |

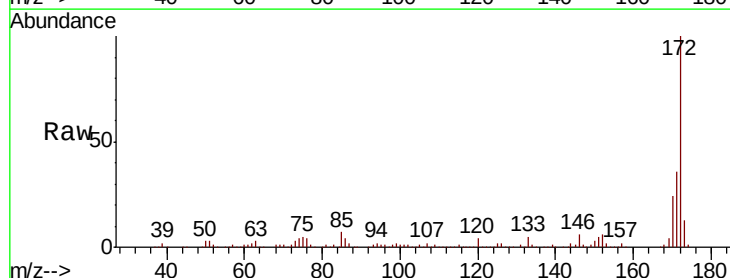


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

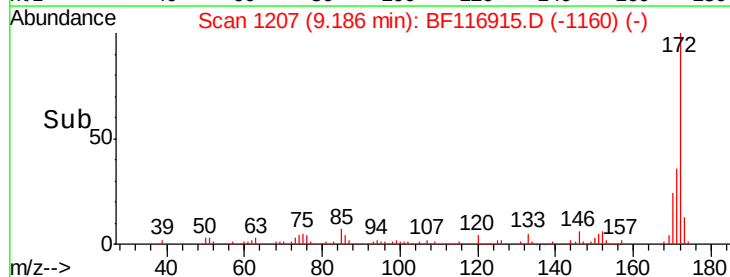
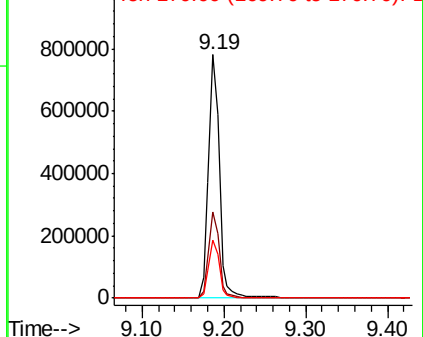


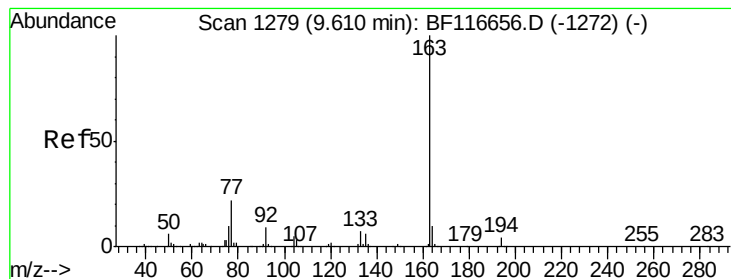
#45  
 2-Fluorobiphenyl  
 Concen: 77.218 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.02 min  
 Lab File: BF116915.D  
 Acq: 9 Sep 2019 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 27.8  | 41.6  |
| 170     | 23.7  | 18.9  | 28.3  |



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: 8.587 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

Instrument :

BNA\_F

ClientSampleId :

B-4-8

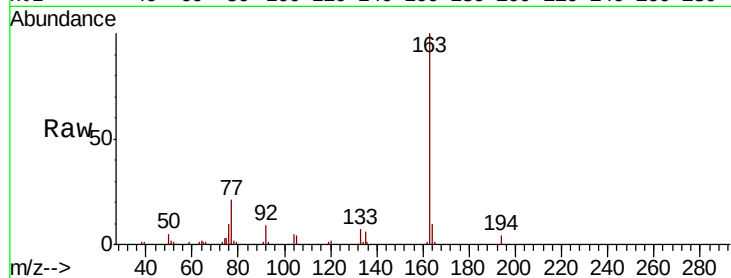
Tgt Ion:163 Resp: 93608

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

164 10.2 8.6 12.8

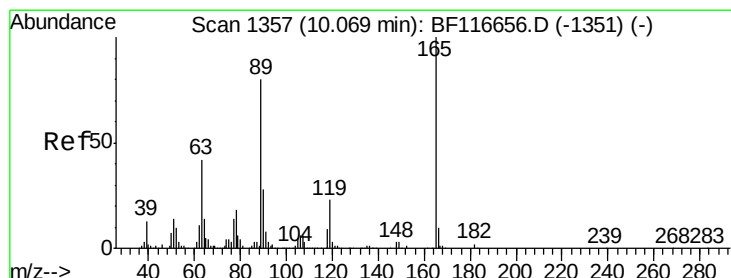
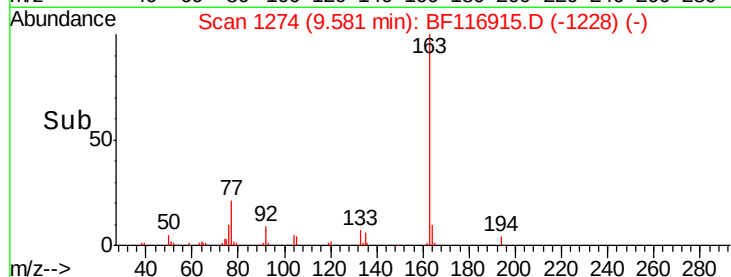
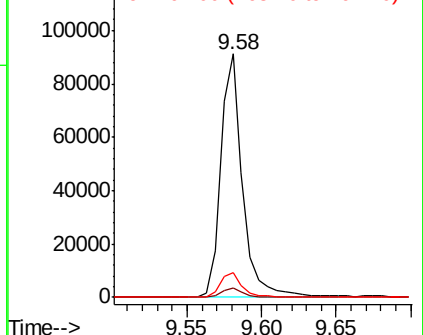


Abundance

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: 8.167 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.20 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

Tgt Ion:165 Resp: 20771

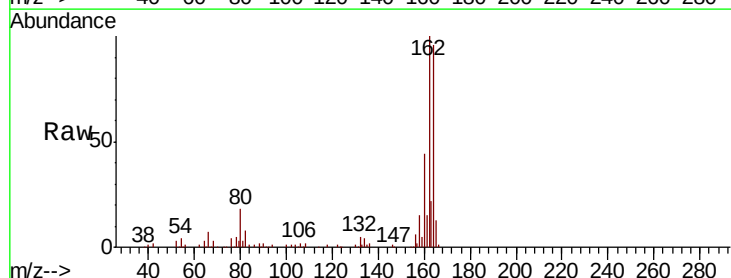
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.5 62.6 94.0#

182 0.0 2.1 3.1#



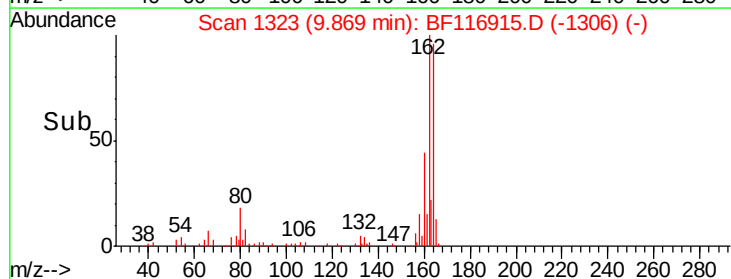
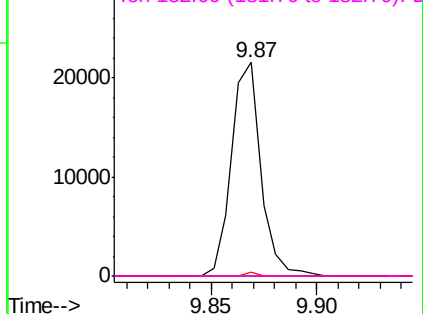
Abundance

Ion 165.00 (164.70 to 165.70): E

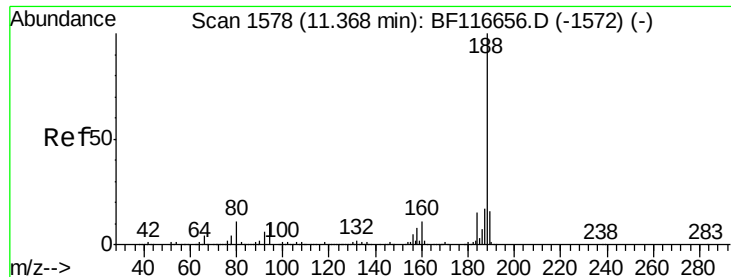
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



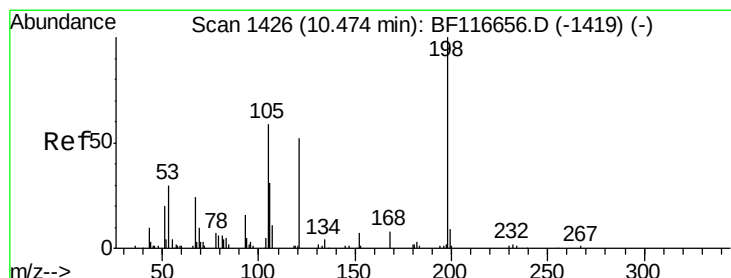
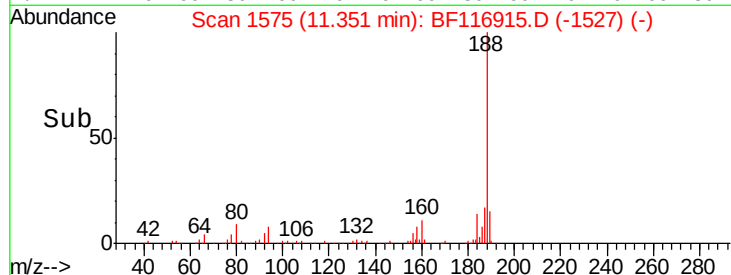
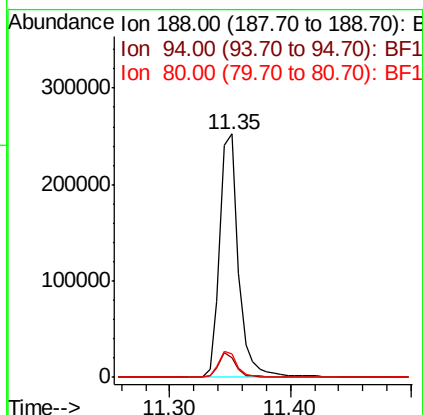
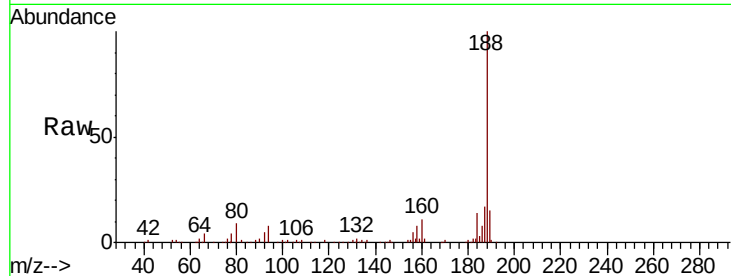




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. -0.02 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

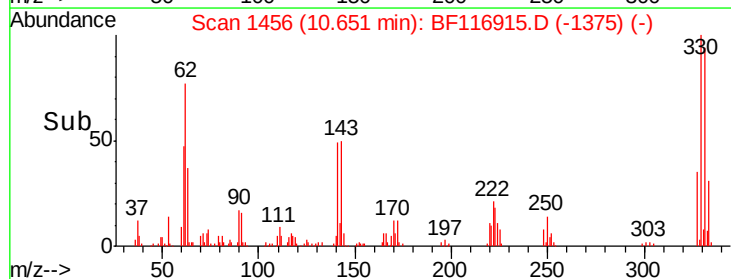
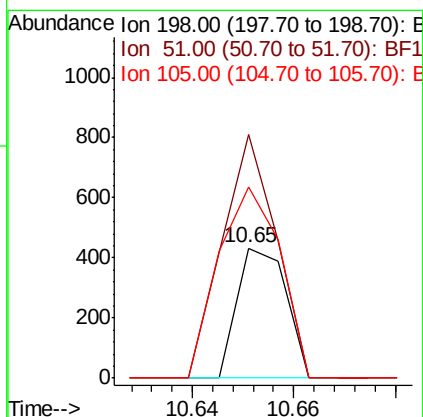
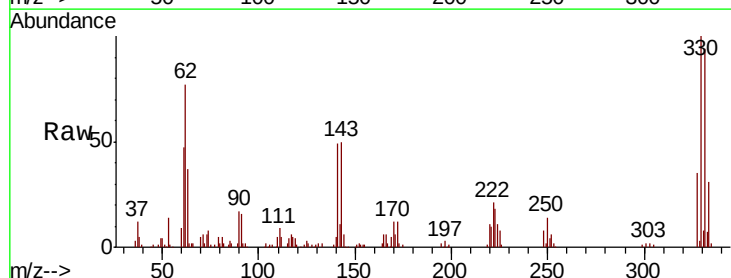
Instrument :  
BNA\_F  
ClientSampleId :  
B-4-8

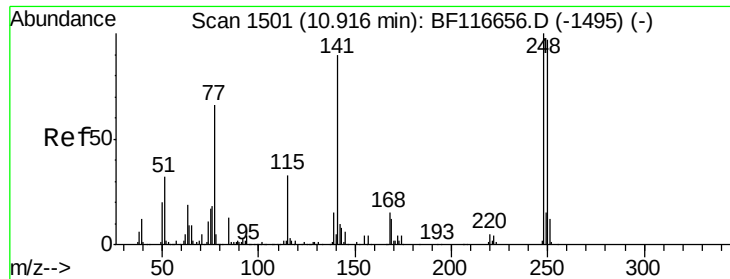
Tgt Ion:188 Resp: 271415  
Ion Ratio Lower Upper  
188 100  
94 8.2 7.3 10.9  
80 9.4 8.4 12.6



#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.696 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. 0.18 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

Tgt Ion:198 Resp: 290  
Ion Ratio Lower Upper  
198 100  
51 187.5 18.4 58.4#  
105 147.0 22.9 62.9#

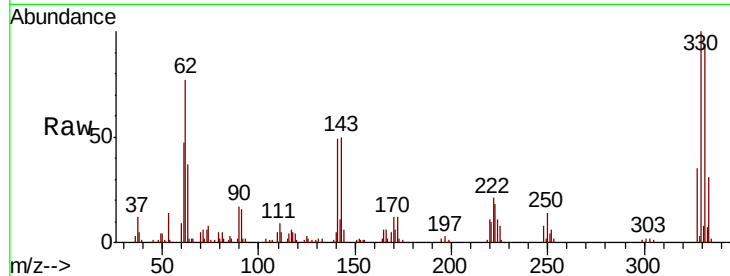




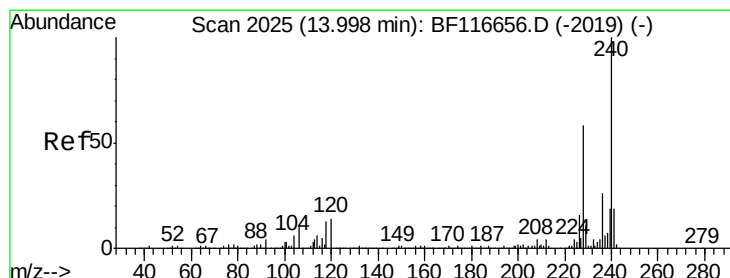
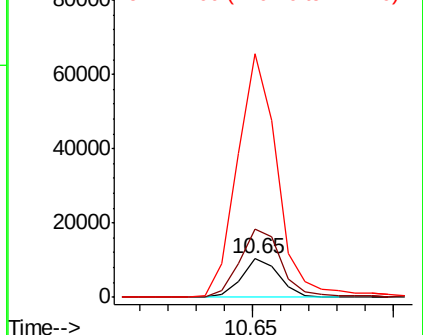
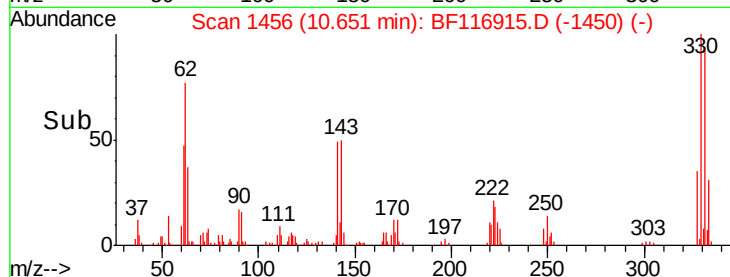
#67  
4-Bromophenyl-phenylether  
Concen: 3.490 ng  
RT: 10.65 min Scan# 1456  
Delta R.T. -0.26 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

Instrument :  
BNA\_F  
ClientSampleId :  
B-4-8

Tgt Ion:248 Resp: 9623  
Ion Ratio Lower Upper  
248 100  
250 177.7 77.8 116.8#  
141 631.7 75.9 113.9#

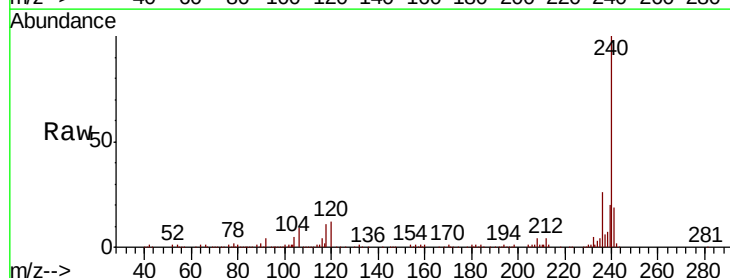


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

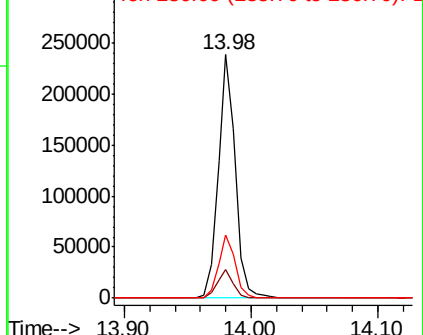
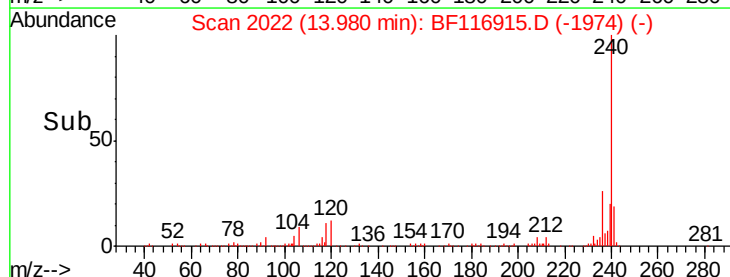


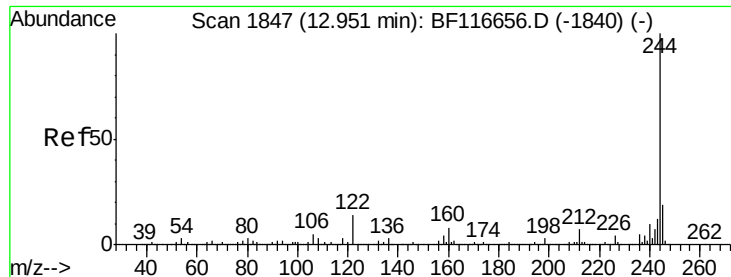
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.02 min  
Lab File: BF116915.D  
Acq: 9 Sep 2019 23:40

Tgt Ion:240 Resp: 223908  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.1 13.7  
236 26.1 21.1 31.7



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: 64.380 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

Instrument :

BNA\_F

ClientSampled :

B-4-8

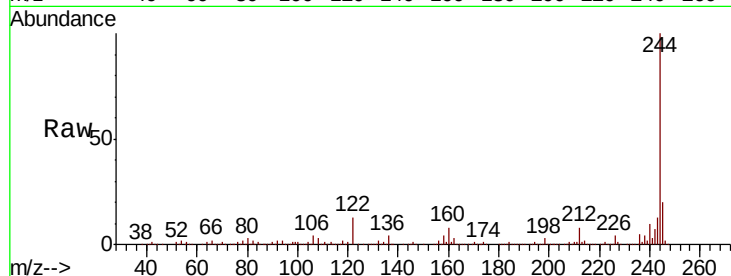
Tgt Ion:244 Resp: 779222

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

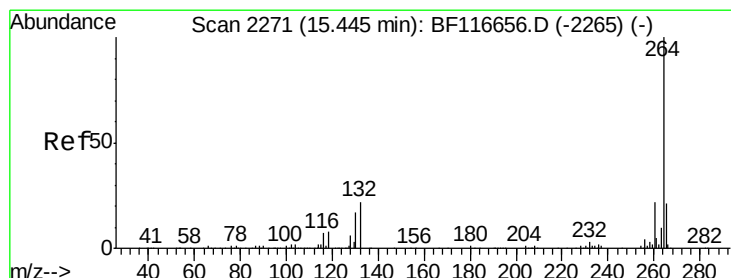
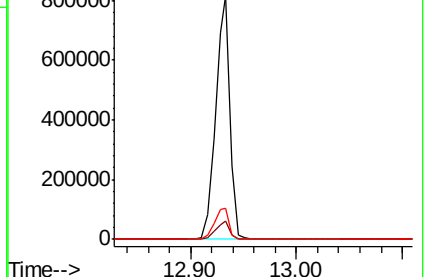
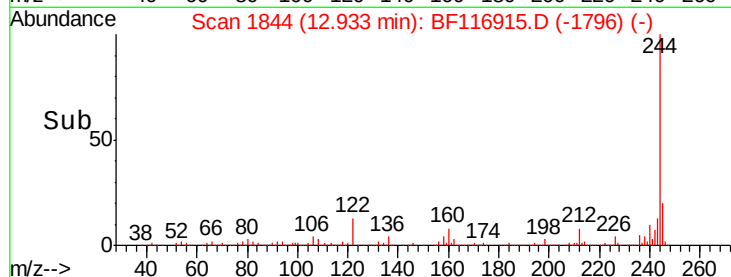
122 12.8 10.2 15.4



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: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF116915.D

Acq: 9 Sep 2019 23:40

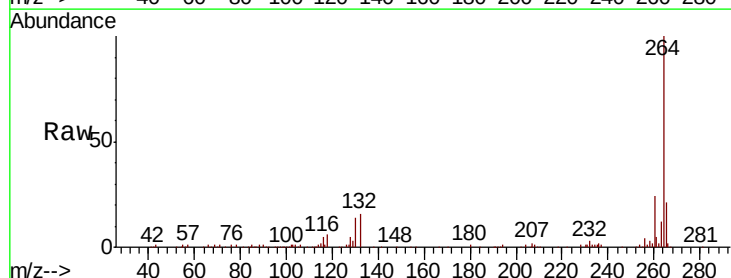
Tgt Ion:264 Resp: 214742

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 21.1 16.5 24.7



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

