

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042919\  
 Data File : BF114035.D  
 Acq On : 29 Apr 2019 20:46  
 Operator : JU/SJ  
 Sample : K2578-01 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 30 01:23:10 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

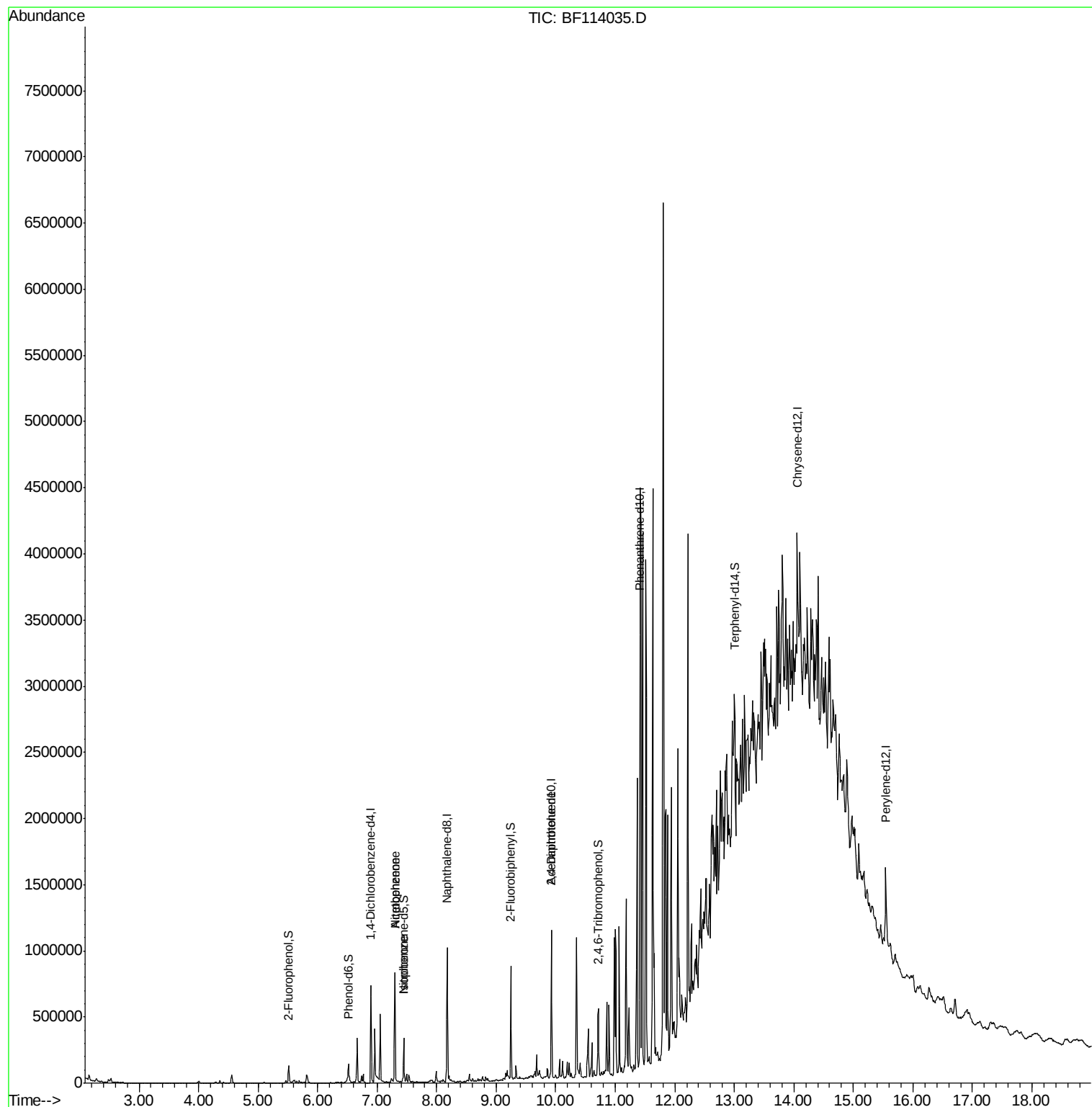
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 116134   | 20.00     | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.17  | 136  | 437034   | 20.00     | ng    | 0.00        |
| 39) Acenaphthene-d10        | 9.93  | 164  | 205596   | 20.00     | ng    | 0.00        |
| 64) Phenanthrene-d10        | 11.41 | 188  | 340086   | 20.00     | ng    | 0.00        |
| 76) Chrysene-d12            | 14.06 | 240  | 258945   | 20.00     | ng    | 0.00        |
| 87) Perylene-d12            | 15.54 | 264  | 278033   | 20.00     | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |           |       |             |
| 5) 2-Fluorophenol           | 5.51  | 112  | 45856    | 6.75      | ng    | 0.00        |
| 7) Phenol-d6                | 6.52  | 99   | 40678    | 4.78      | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 107141   | 15.14     | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 10.71 | 330  | 32638    | 13.03     | ng    | -0.01       |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 244314   | 18.59     | ng    | -0.01       |
| 79) Terphenyl-d14           | 13.00 | 244  | 221221   | 17.51     | ng    | 0.00        |
| Target Compounds            |       |      |          |           |       |             |
| 9) Benzaldehyde             | 6.45  | 77   | 941      | Below Cal |       | Qvalue # 84 |
| 22) Acetophenone            | 7.30  | 105  | 265824   | 27.333    | ng    | # 95        |
| 24) Nitrobenzene            | 7.29  | 77   | 196983   | 25.186    | ng    | # 40        |
| 25) Isophorone              | 7.45  | 82   | 107140   | 7.398     | ng    | # 65        |
| 57) 2,4-Dinitrotoluene      | 9.93  | 165  | 26647    | 6.618     | ng    | # 30        |

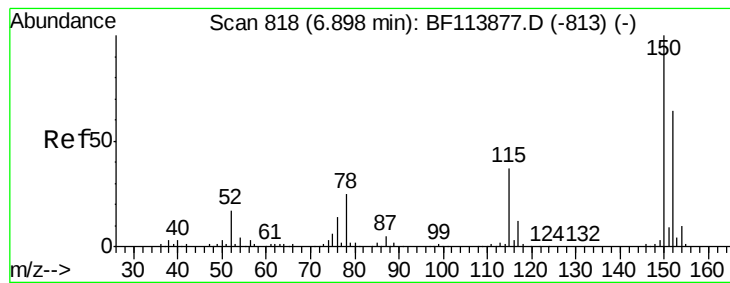
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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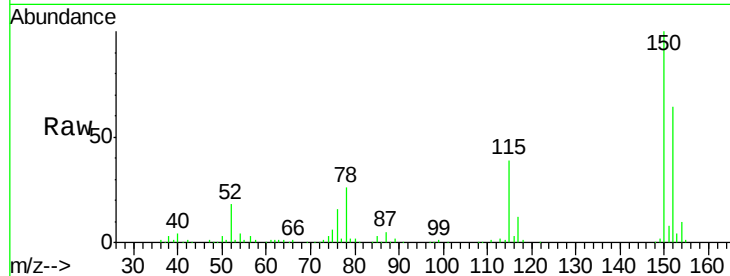


#1

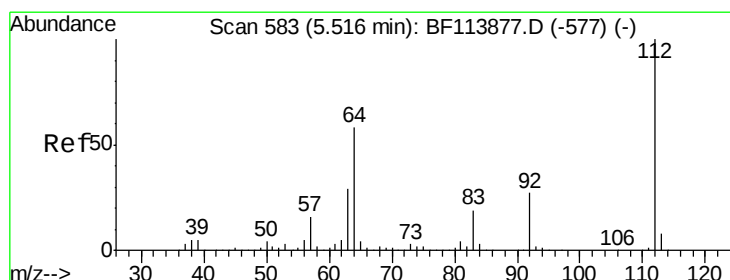
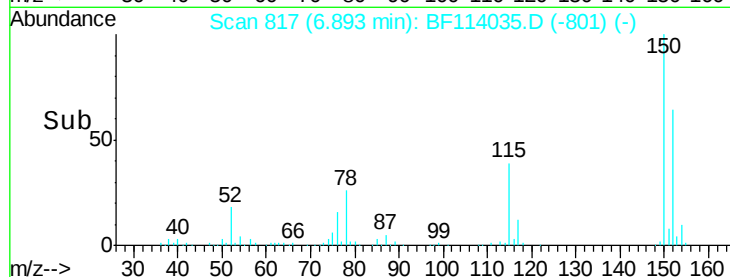
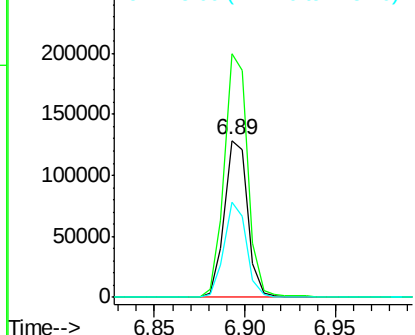
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF114035.D  
 Acq: 29 Apr 2019 20:46

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:152 Resp: 116134  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 125.9 188.9  
 115 61.0 45.9 68.9



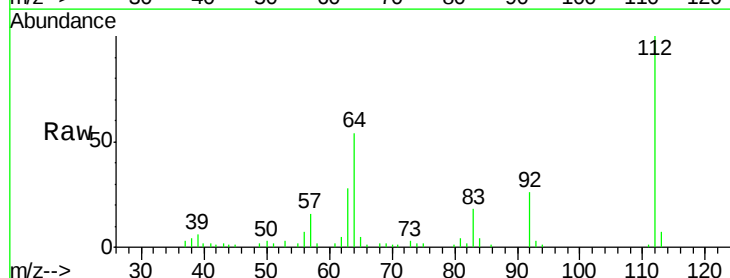
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



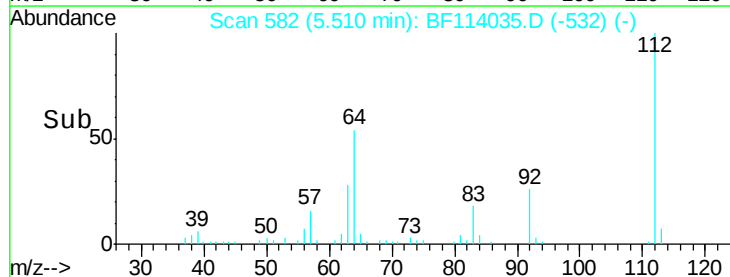
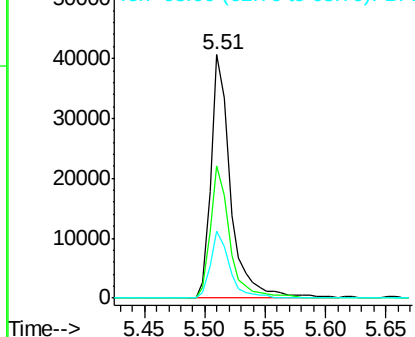
#5

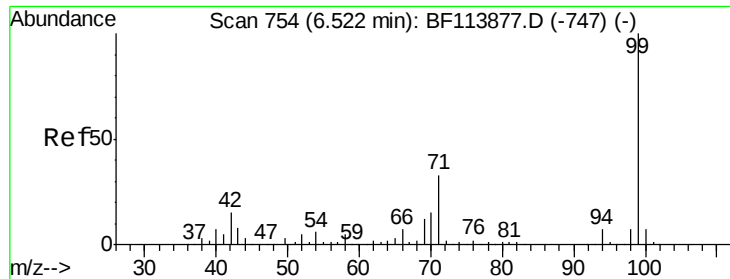
2-Fluorophenol  
 Concen: 6.753 ng  
 RT: 5.51 min Scan# 582  
 Delta R.T. -0.01 min  
 Lab File: BF114035.D  
 Acq: 29 Apr 2019 20:46

Tgt Ion:112 Resp: 45856  
 Ion Ratio Lower Upper  
 112 100  
 64 54.5 46.6 69.8  
 63 27.6 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: 4.775 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114035.D

Acq: 29 Apr 2019 20:46

Instrument :

BNA\_F

ClientSampleId :

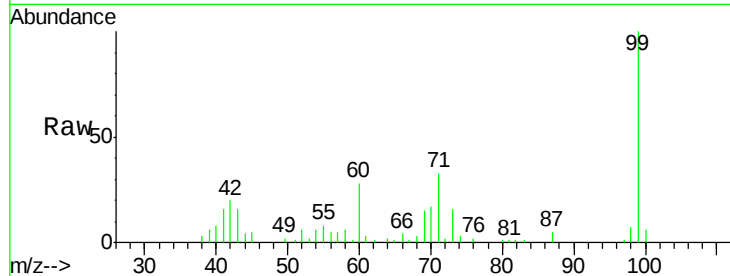
Tot Ion: 99 Resp: 40678

Ion Ratio Lower Upper

99 100

42 19.8 12.5 18.7#

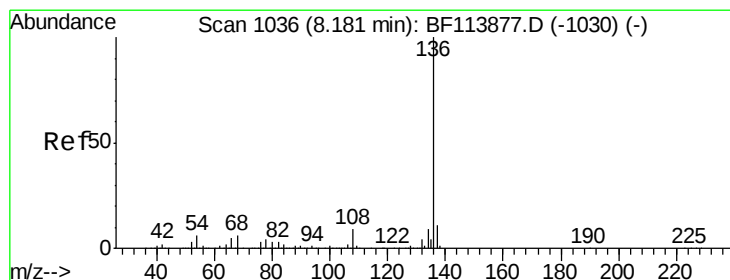
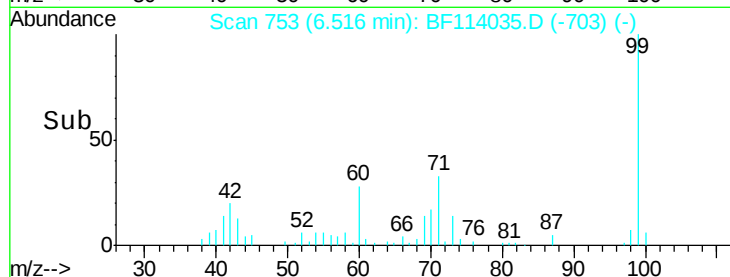
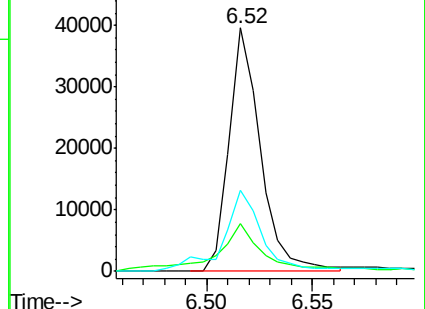
71 33.3 26.9 40.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114035.D

Acq: 29 Apr 2019 20:46

Tgt Ion: 136 Resp: 437034

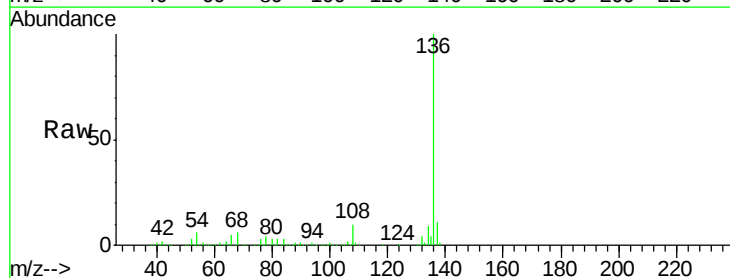
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.1 5.0 7.6

68 6.2 4.9 7.3

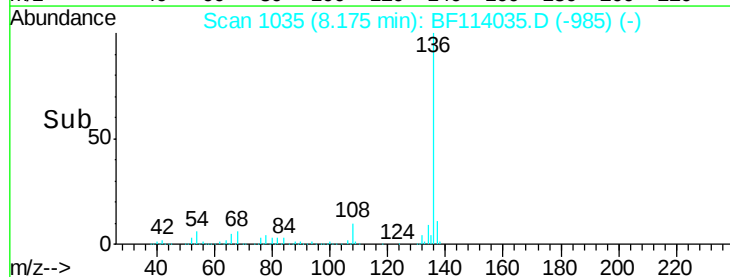
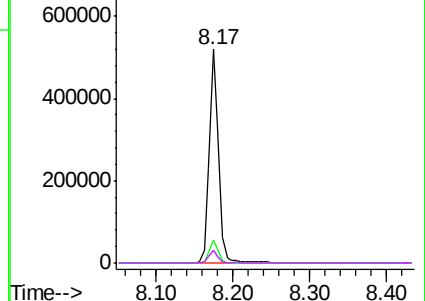


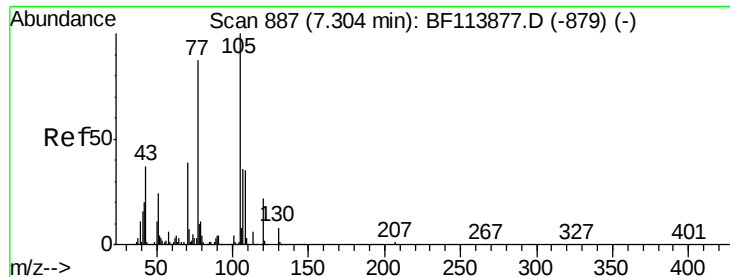
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 27.333 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF114035.D

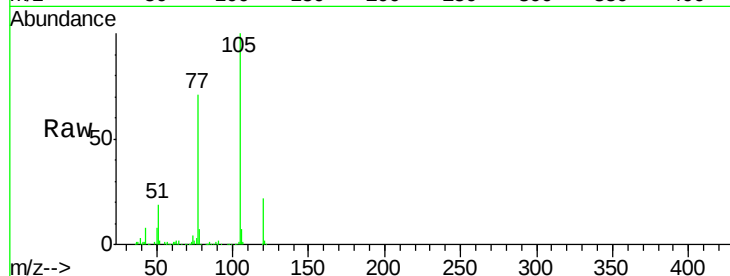
Acq: 29 Apr 2019 20:46

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 105   | Resp: | 265824 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.3   | 6.1   | 9.1#   |
| 51       | 19.0  | 16.8  | 25.2   |
| 120      | 22.1  | 17.6  | 26.4   |

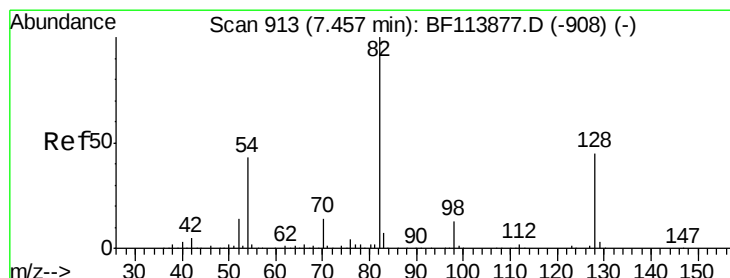
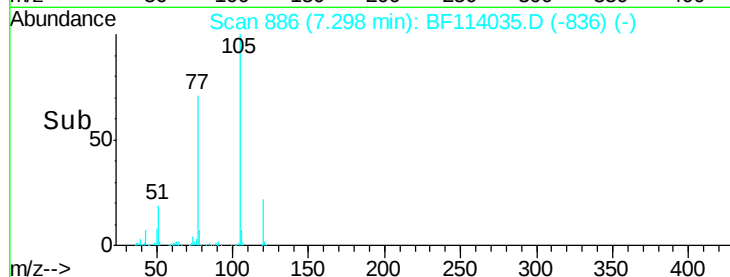
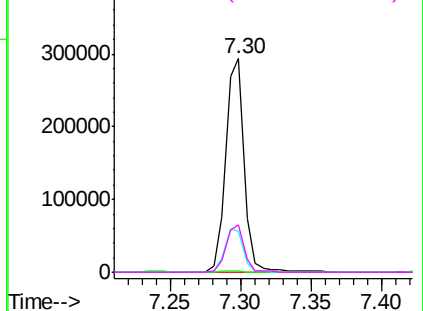


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 15.137 ng

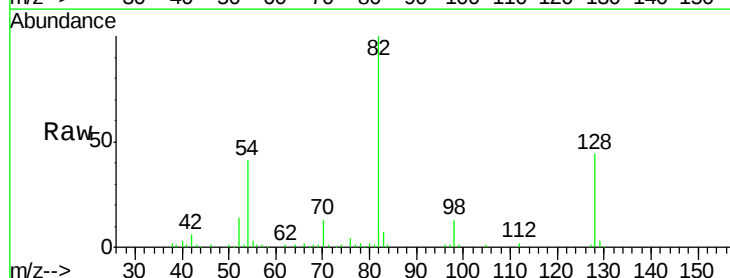
RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF114035.D

Acq: 29 Apr 2019 20:46

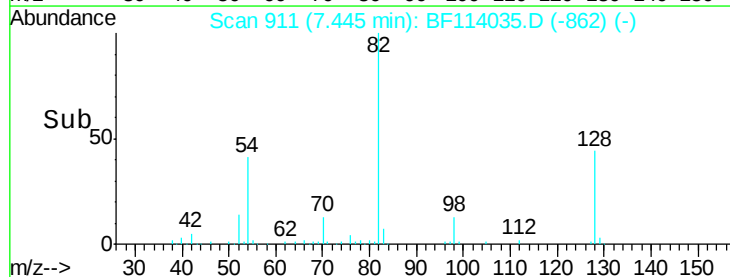
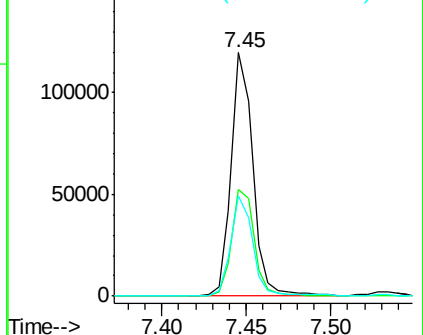
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 107141 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.5  | 36.8  | 55.2   |
| 54       | 41.2  | 33.8  | 50.6   |

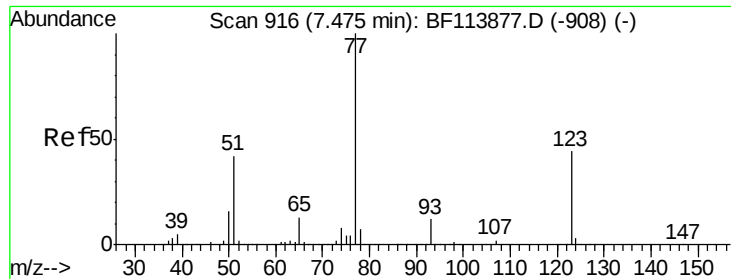


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

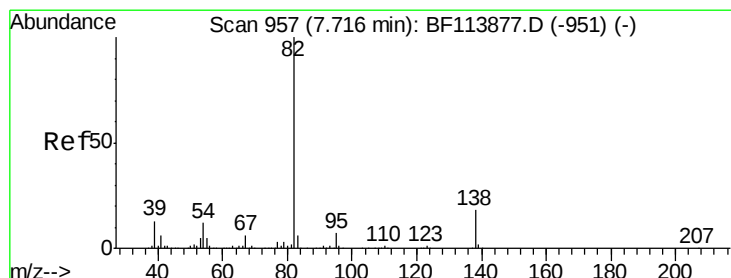
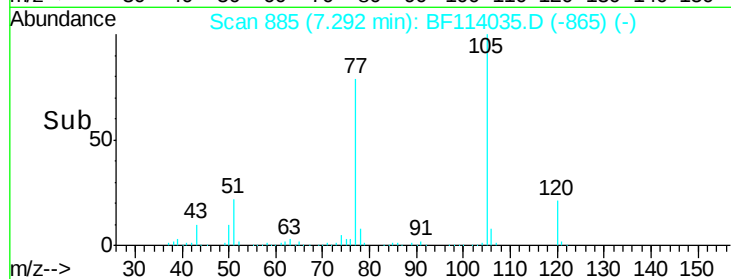
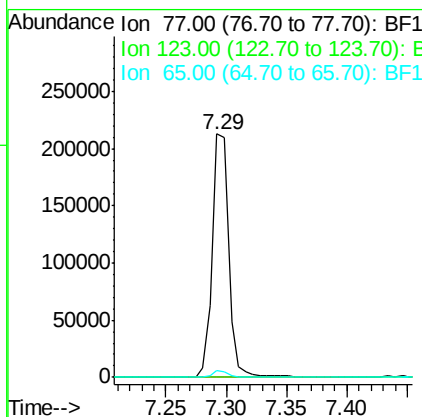
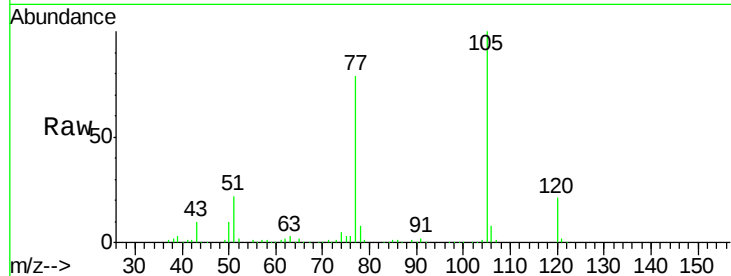




#24  
 Nitrobenzene  
 Concen: 25.186 ng  
 RT: 7.29 min Scan# 885  
 Delta R.T. -0.18 min  
 Lab File: BF114035.D  
 Acq: 29 Apr 2019 20:46

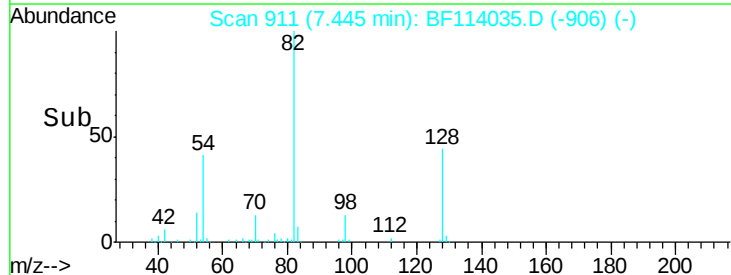
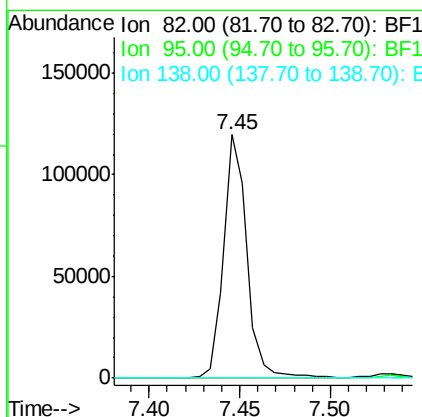
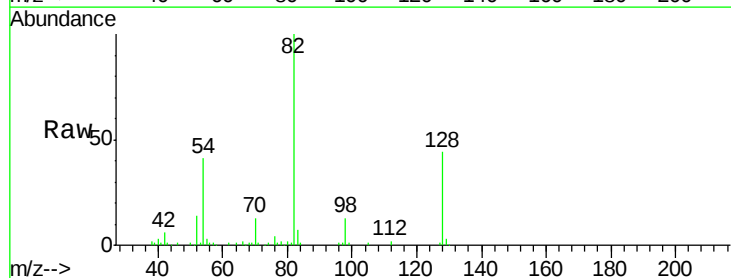
Instrument :  
 BNA\_F  
 ClientSampled :

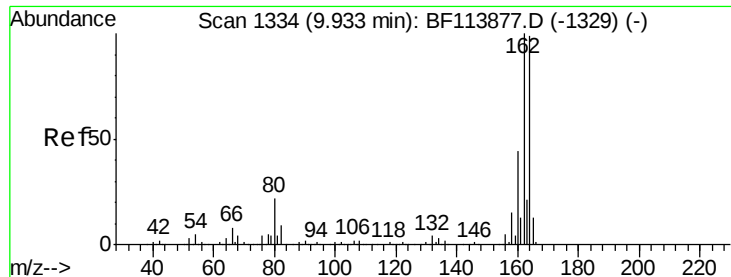
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 0.0   | 36.3  | 54.5# |
| 65      | 2.6   | 10.3  | 15.5# |



#25  
 Isophorone  
 Concen: 7.398 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.27 min  
 Lab File: BF114035.D  
 Acq: 29 Apr 2019 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.4   | 8.2#  |
| 138     | 0.0   | 14.6  | 22.0# |

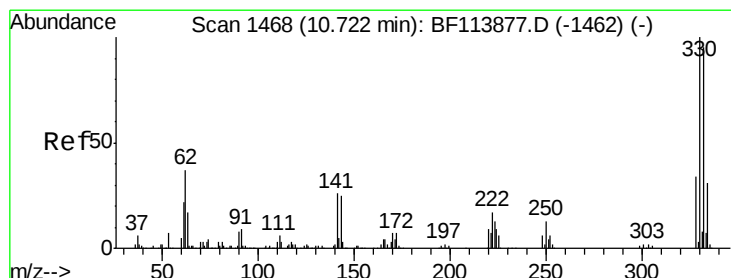
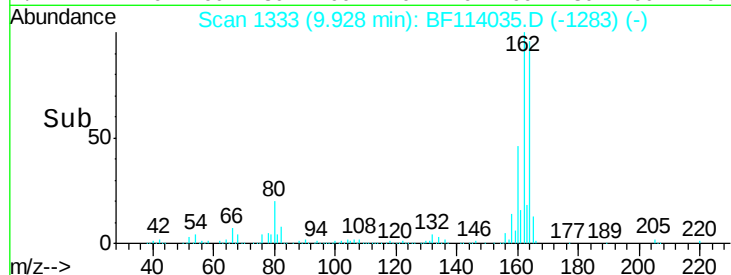
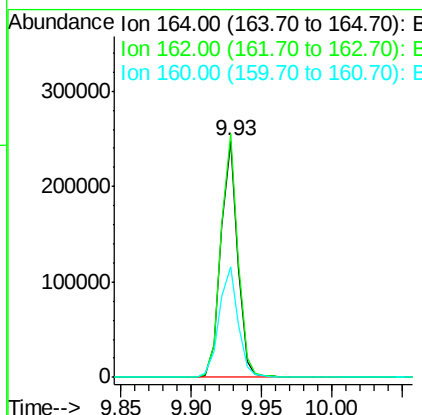
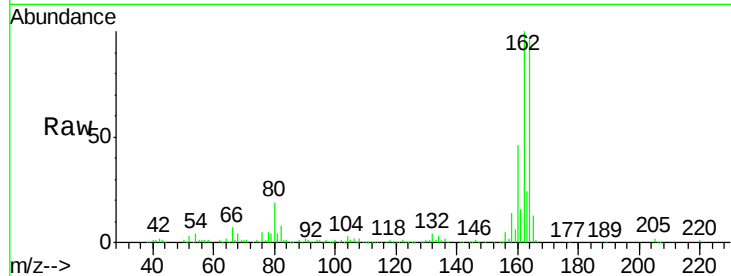




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.93 min Scan# 1333  
 Delta R.T. -0.01 min  
 Lab File: BF114035.D  
 Acq: 29 Apr 2019 20:46

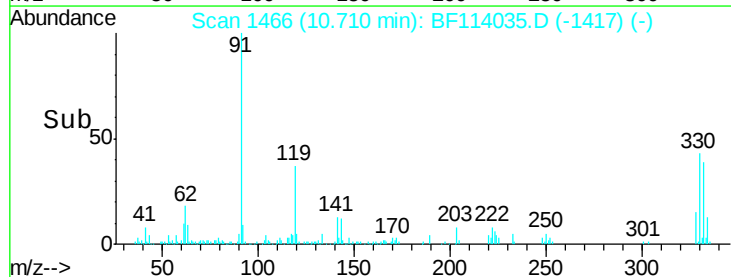
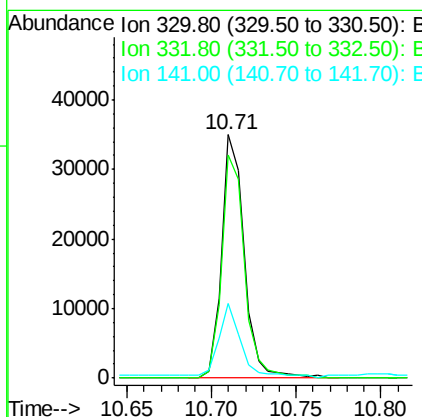
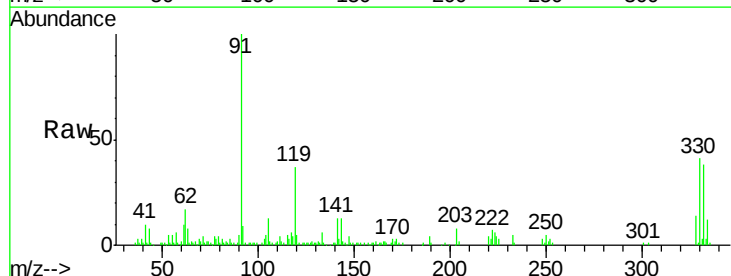
Instrument :  
 BNA\_F  
 ClientSampleId :

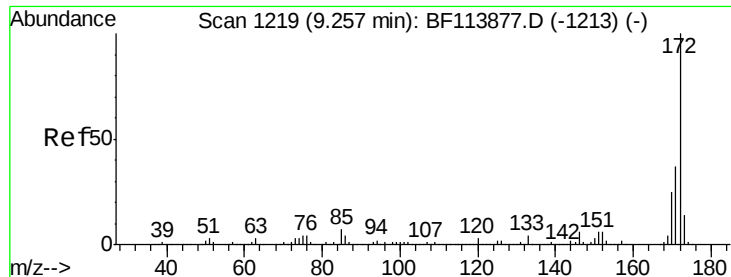
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.2 | 81.1  | 121.7 |
| 160     | 47.0  | 35.8  | 53.6  |



#42  
 2,4,6-Tribromophenol  
 Concen: 13.031 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF114035.D  
 Acq: 29 Apr 2019 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.4  | 77.5  | 116.3 |
| 141     | 32.3  | 22.2  | 33.2  |

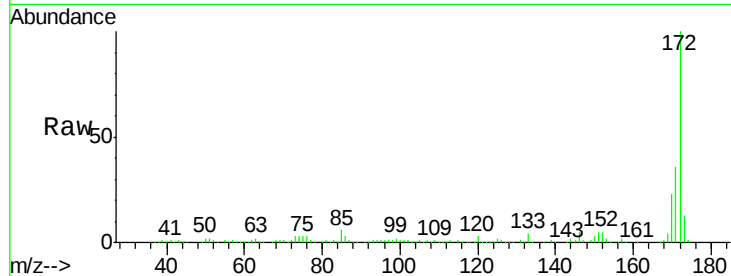




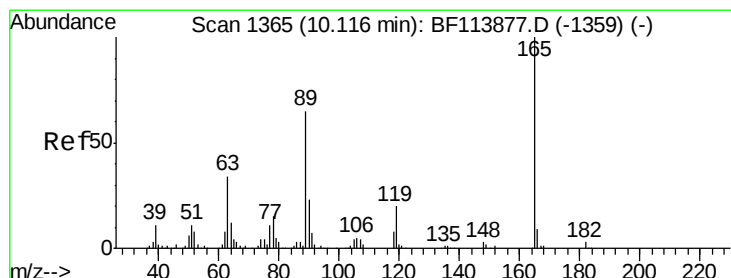
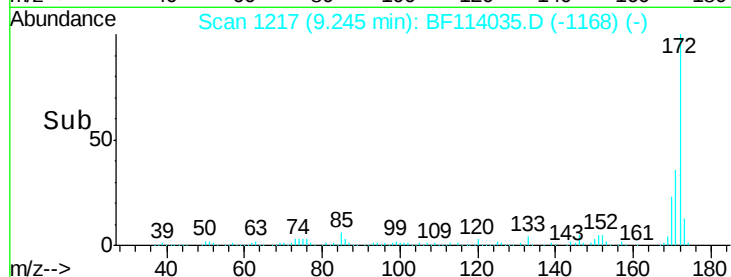
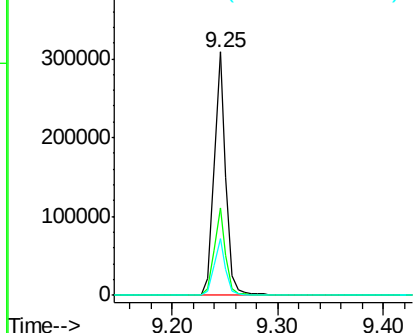
#45  
2-Fluorobiphenyl  
Concen: 18.586 ng  
RT: 9.25 min Scan# 1217  
Delta R.T. -0.01 min  
Lab File: BF114035.D  
Acq: 29 Apr 2019 20:46

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 244314  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.4 44.0  
170 23.1 19.9 29.9

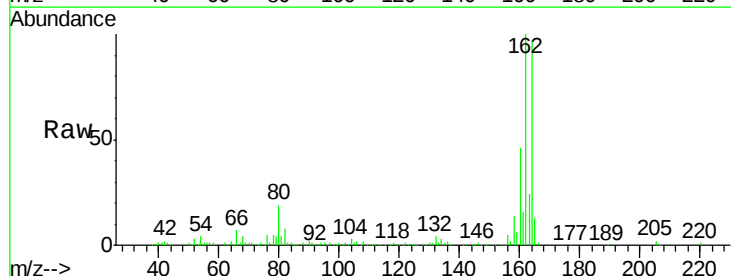


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

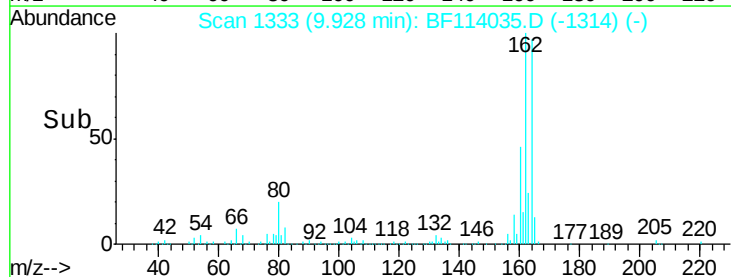
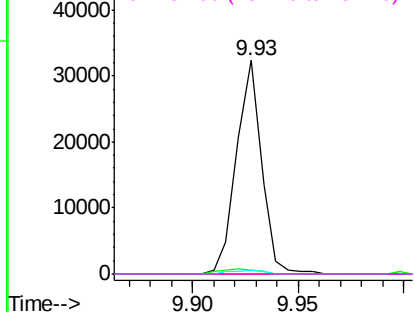


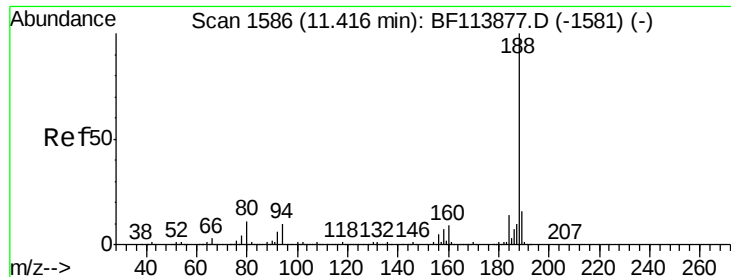
#57  
2,4-Dinitrotoluene  
Concen: 6.618 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.19 min  
Lab File: BF114035.D  
Acq: 29 Apr 2019 20:46

Tgt Ion:165 Resp: 26647  
Ion Ratio Lower Upper  
165 100  
63 1.8 27.4 41.0#  
89 1.7 51.8 77.6#  
182 0.0 2.2 3.2#



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  
Ion 182.00 (181.70 to 182.70): E

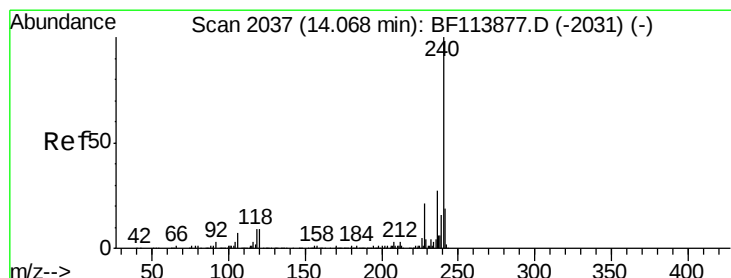
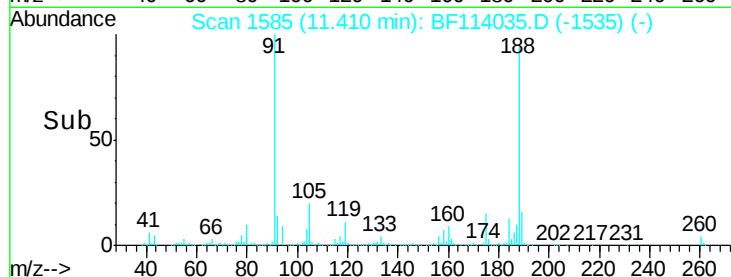
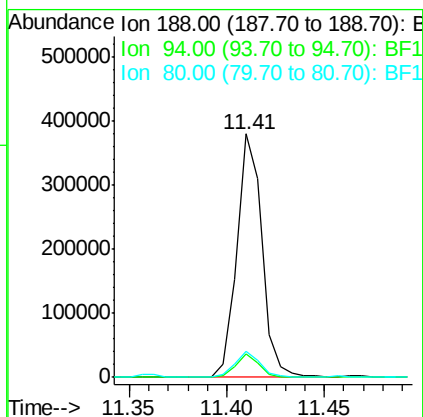
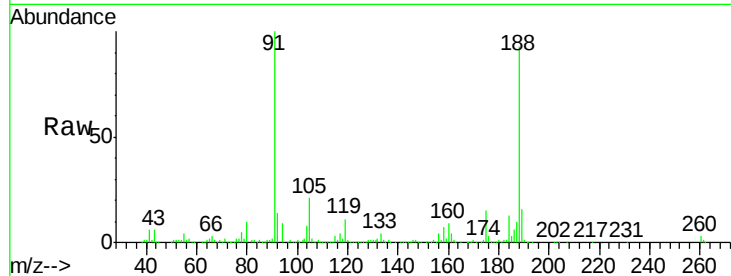




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF114035.D  
Acq: 29 Apr 2019 20:46

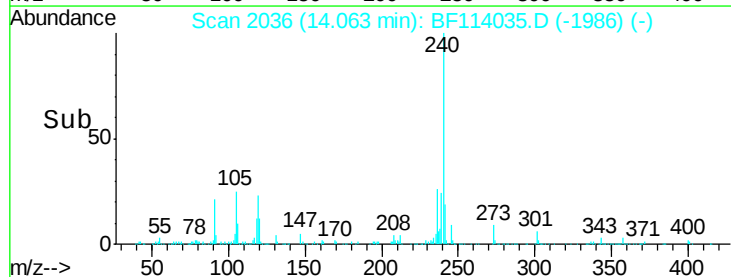
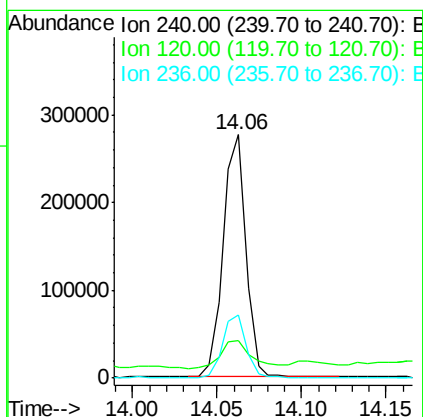
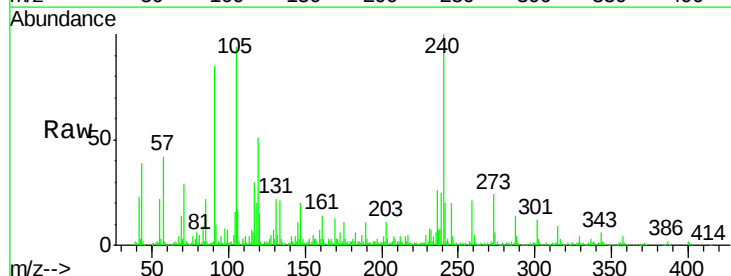
Instrument :  
BNA\_F  
ClientSampleId :

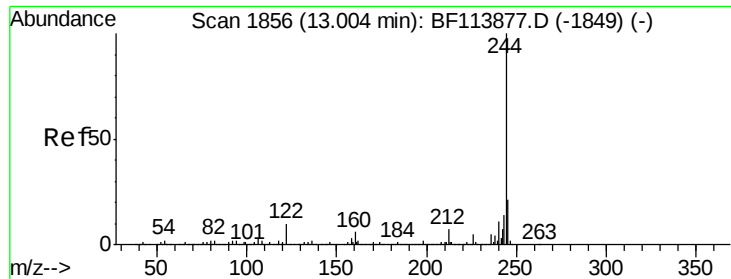
Tot Ion:188 Resp: 340086  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.2 12.4  
80 10.7 9.0 13.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.06 min Scan# 2036  
Delta R.T. -0.01 min  
Lab File: BF114035.D  
Acq: 29 Apr 2019 20:46

Tgt Ion:240 Resp: 258945  
Ion Ratio Lower Upper  
240 100  
120 15.5 9.3 13.9#  
236 26.2 21.2 31.8





#79

Terphenyl-d14

Concen: 17.515 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF114035.D

Acq: 29 Apr 2019 20:46

Instrument :

BNA\_F

ClientSampleId :

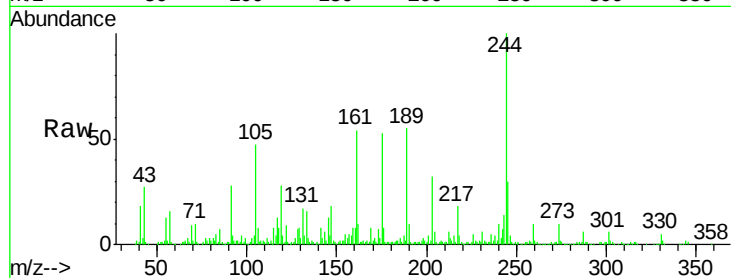
Tot Ion:244 Resp: 221221

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

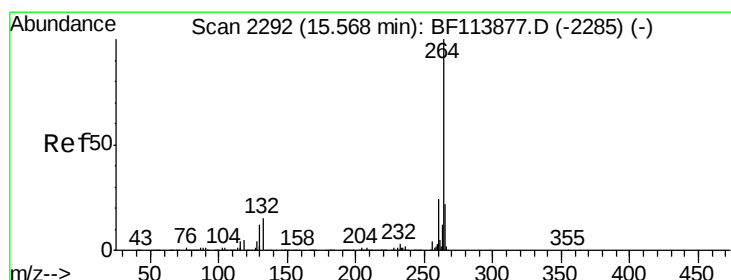
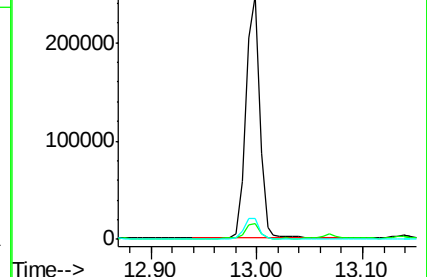
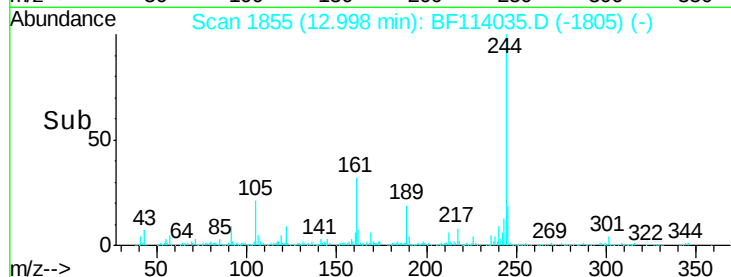
122 8.8 7.6 11.4



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: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF114035.D

Acq: 29 Apr 2019 20:46

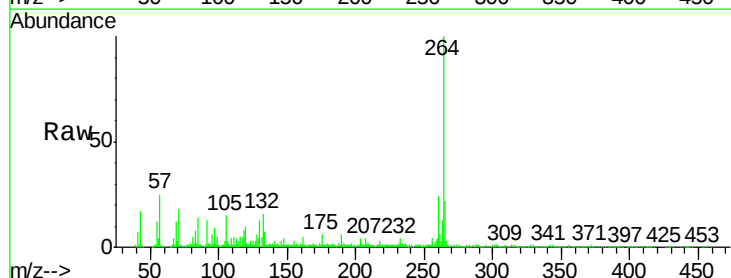
Tgt Ion:264 Resp: 278033

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 22.3 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

