

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051319\  
 Data File : BF114242.D  
 Acq On : 13 May 2019 21:03  
 Operator : JU/SJ  
 Sample : K2823-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 11-B

Quant Time: May 14 04:50:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 15:56:46 2019  
 Response via : Initial Calibration

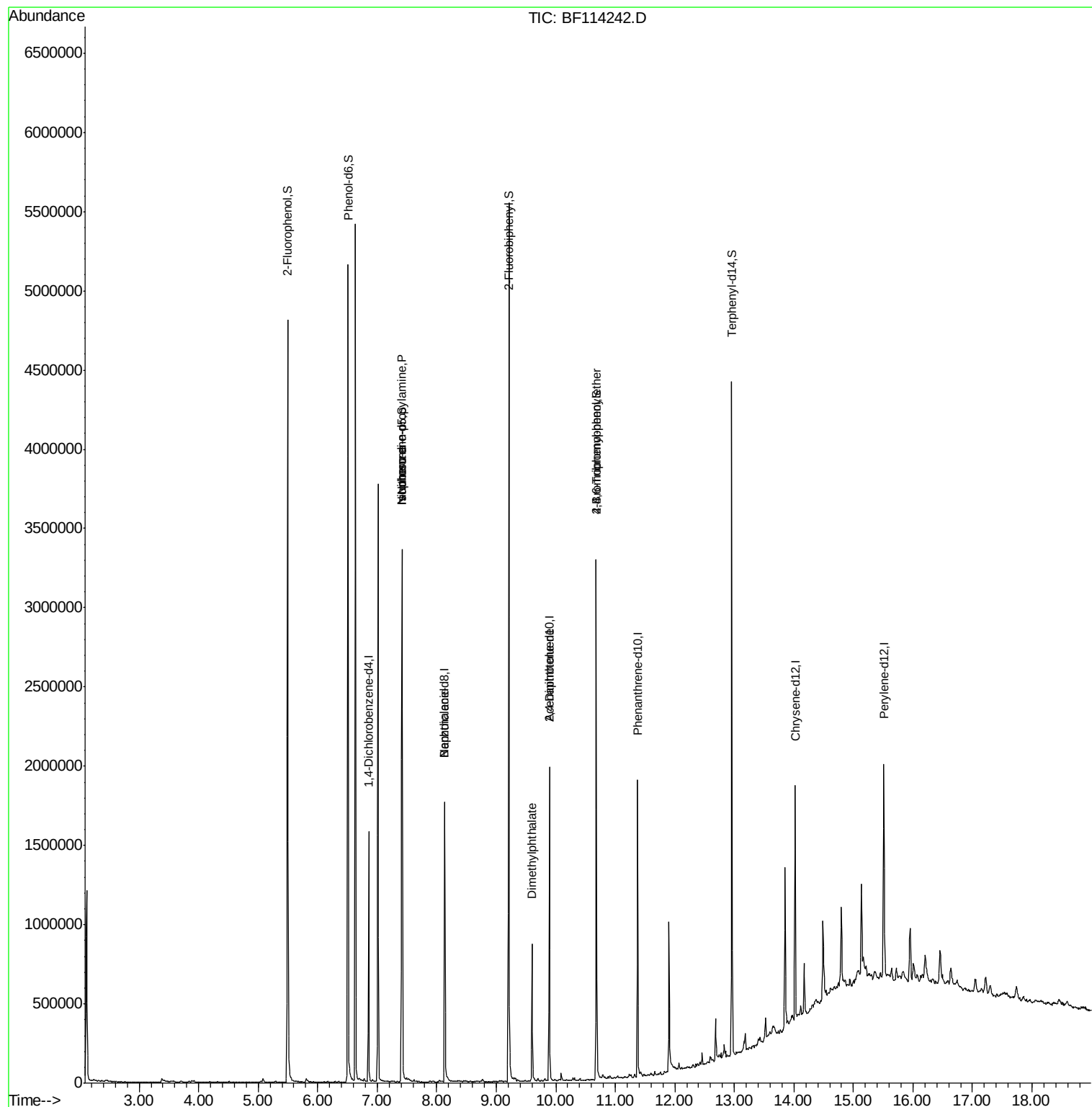
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 221948   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 835495   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.89  | 164  | 391782   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.37 | 188  | 711601   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.02 | 240  | 482701   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.51 | 264  | 495960   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 1391842  | 100.92 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.51  | 99   | 1826071  | 111.95 | ng    | 0.02     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 1079803  | 72.53  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.69 | 330  | 402350   | 99.34  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl           | 9.21  | 172  | 1723173  | 66.53  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.96 | 244  | 1490433  | 63.65  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 142574   | 13.789 | ng    | # 76     |
| 25) Isophorone                 | 7.42  | 82   | 1079789  | 39.108 | ng    | # 64     |
| 32) Benzoic acid               | 8.13  | 122  | 139      | 7.035  | ng    | # 1      |
| 50) Dimethylphthalate          | 9.60  | 163  | 359465   | 12.499 | ng    | 100      |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 50073    | 5.783  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248  | 26689    | 3.406  | ng    | # 1      |

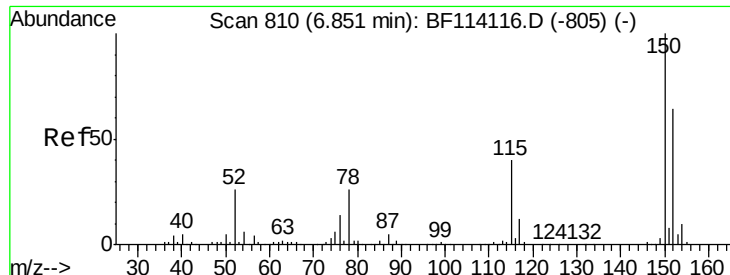
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 10 15:56:46 2019  
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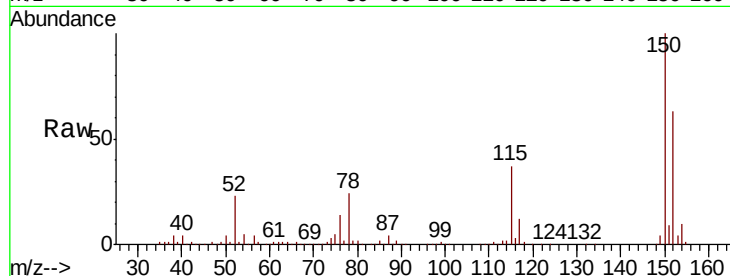


#1

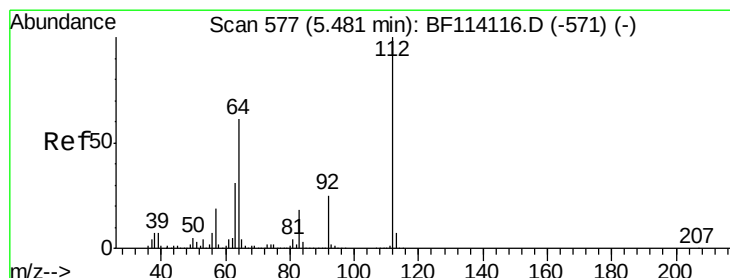
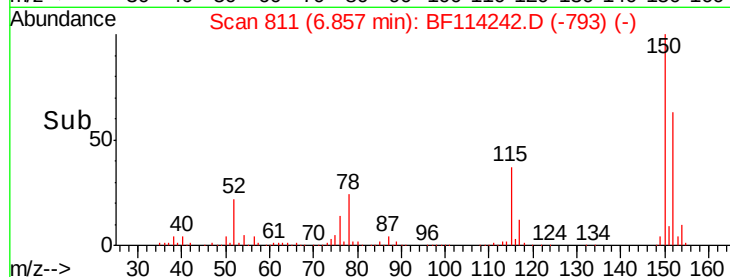
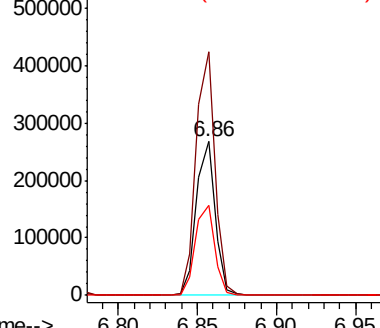
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. 0.01 min  
Lab File: BF114242.D  
Acq: 13 May 2019 21:03

Instrument :  
BNA\_F  
ClientSampleId :  
11-B

Tgt Ion:152 Resp: 221948  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.3 186.5  
115 58.3 49.1 73.7



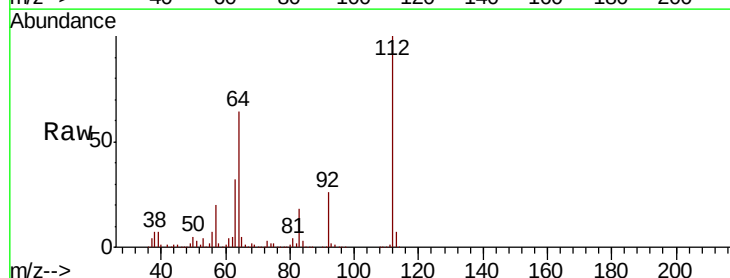
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



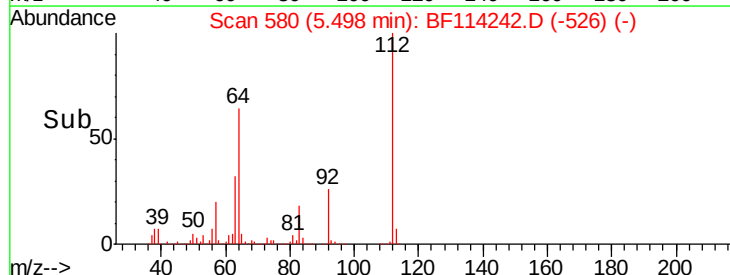
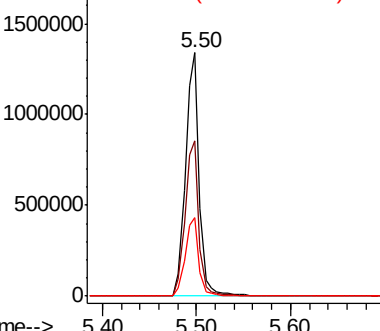
#5

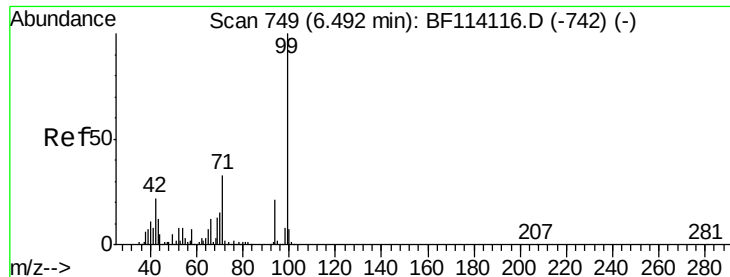
2-Fluorophenol  
Concen: 100.917 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.02 min  
Lab File: BF114242.D  
Acq: 13 May 2019 21:03

Tgt Ion:112 Resp: 1391842  
Ion Ratio Lower Upper  
112 100  
64 63.7 49.0 73.6  
63 32.0 24.6 37.0



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: 111.946 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114242.D

Acq: 13 May 2019 21:03

Instrument :

BNA\_F

ClientSampleId :

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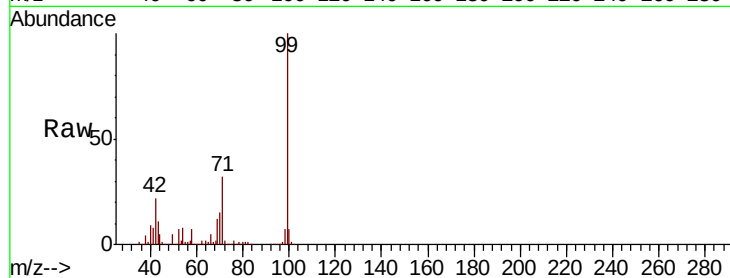
Tgt Ion: 99 Resp: 1826071

Ion Ratio Lower Upper

99 100

42 22.1 17.9 26.9

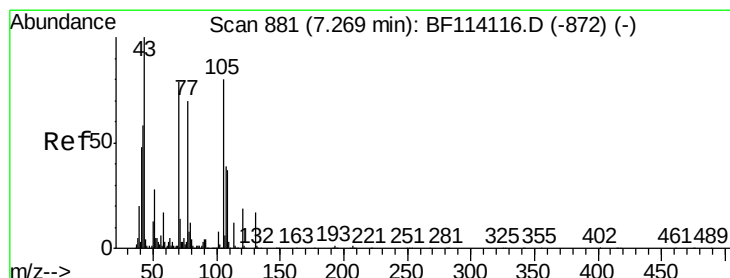
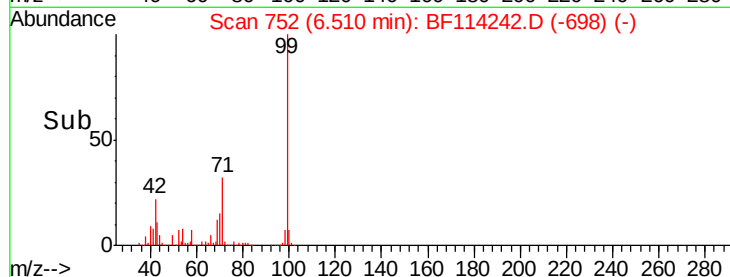
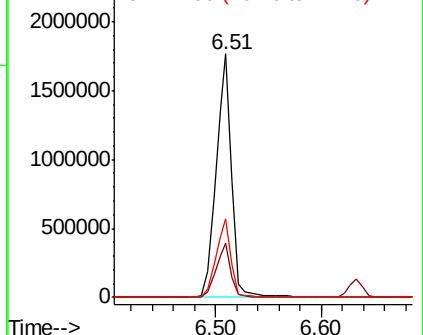
71 32.4 26.2 39.2



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: 13.789 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF114242.D

Acq: 13 May 2019 21:03

Tgt Ion: 70 Resp: 142574

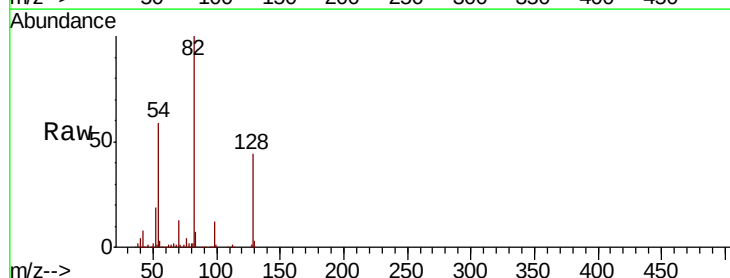
Ion Ratio Lower Upper

70 100

42 57.5 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#

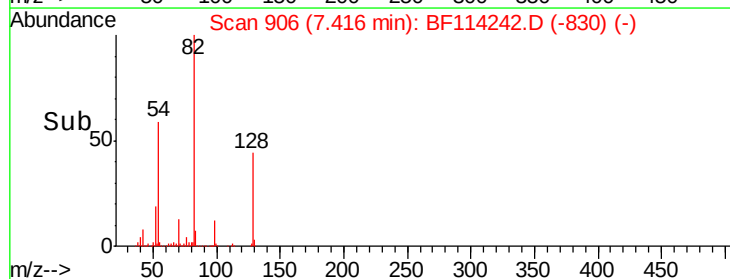
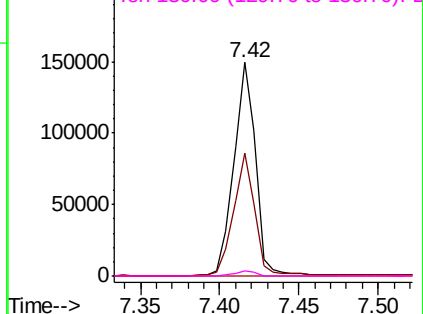


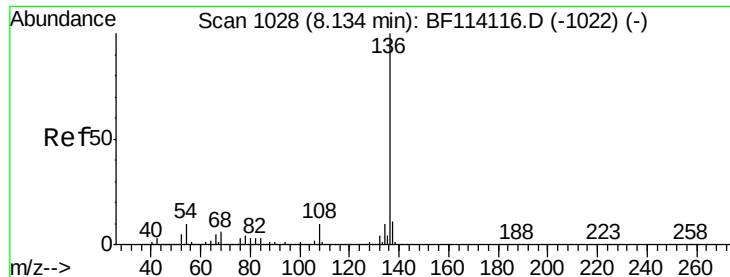
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

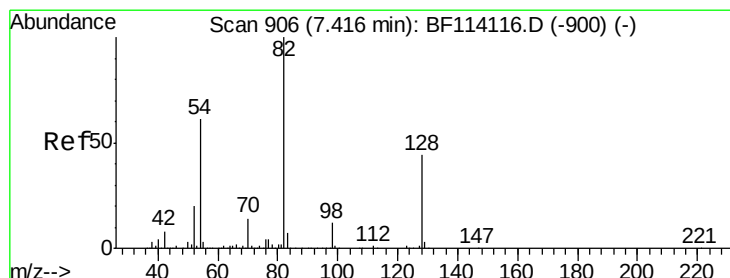
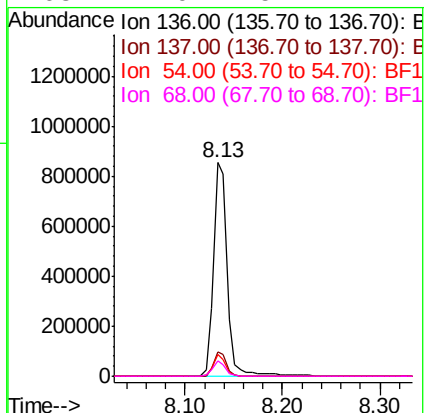
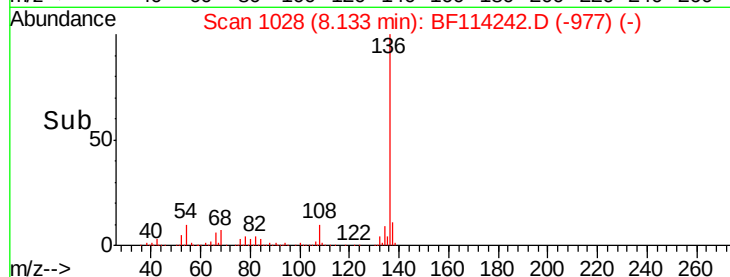
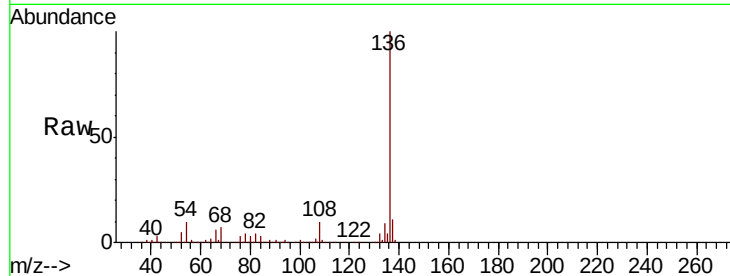




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BF114242.D  
Acq: 13 May 2019 21:03

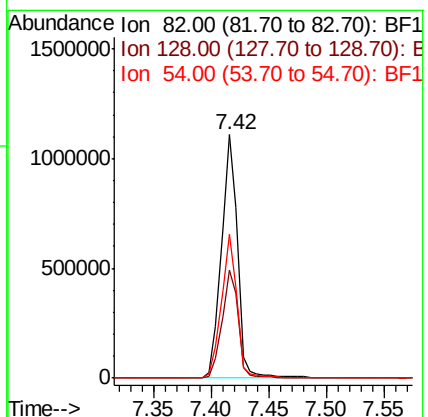
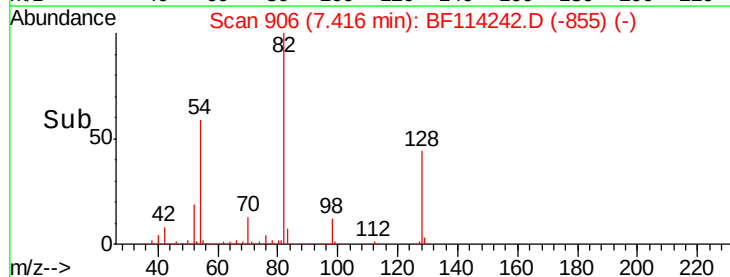
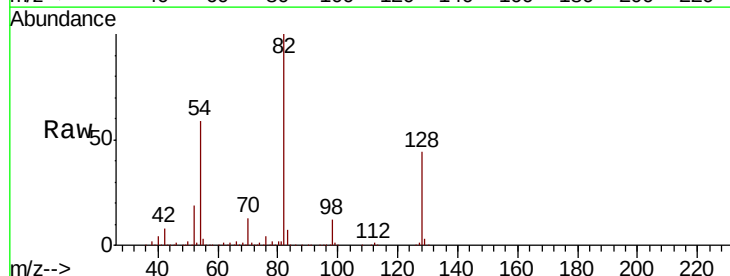
Instrument :  
BNA\_F  
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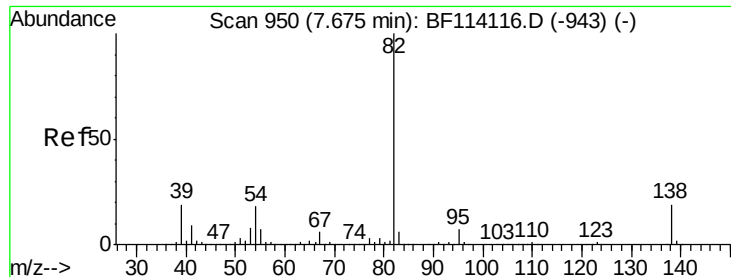
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 835495 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 8.8   | 13.2   |
| 54       | 10.3  | 7.8   | 11.8   |
| 68       | 7.0   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 72.530 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.00 min  
Lab File: BF114242.D  
Acq: 13 May 2019 21:03

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1079803 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 44.5  | 35.5  | 53.3    |
| 54       | 59.0  | 48.5  | 72.7    |





#25

Isophorone

Concen: 39.108 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF114242.D

Acq: 13 May 2019 21:03

Instrument :

BNA\_F

ClientSampled :

11-B

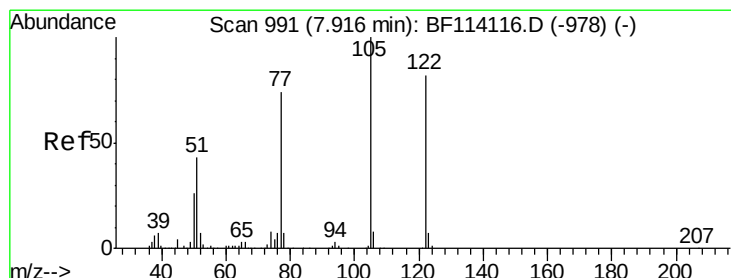
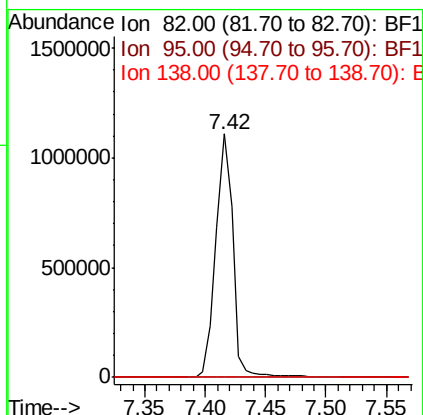
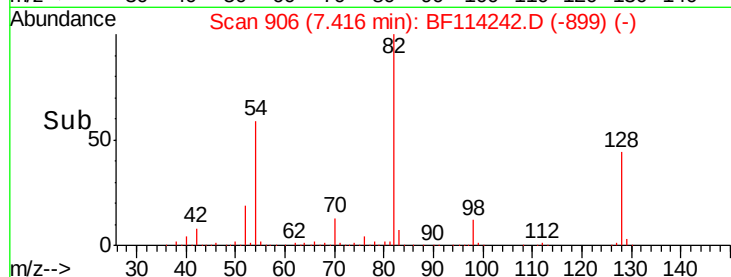
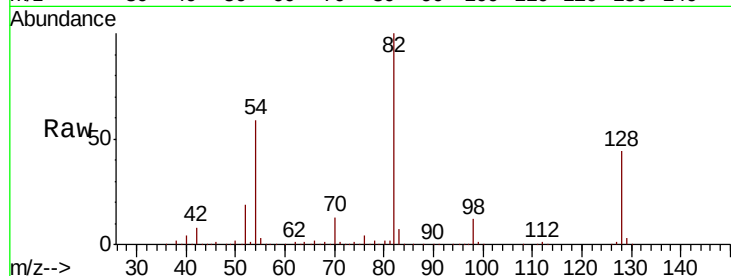
Tgt Ion: 82 Resp: 1079789

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 7.035 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.22 min

Lab File: BF114242.D

Acq: 13 May 2019 21:03

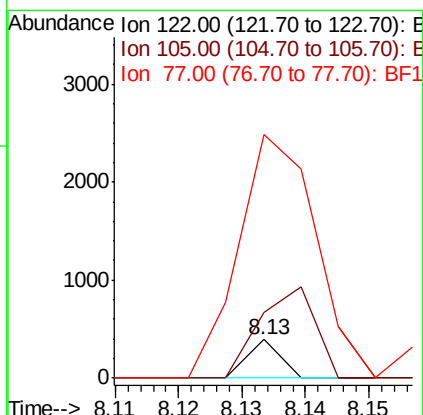
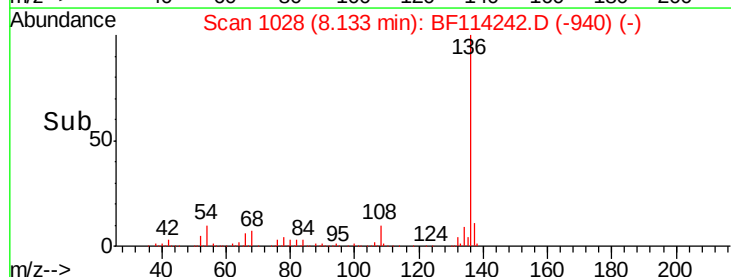
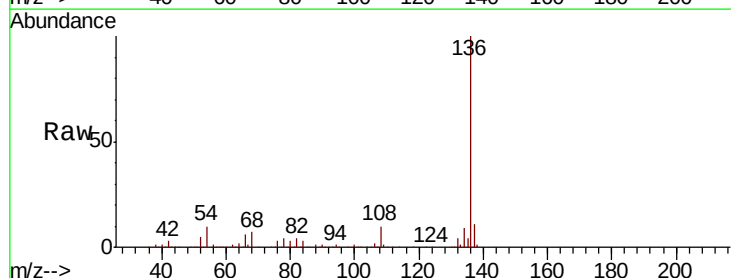
Tgt Ion: 122 Resp: 139

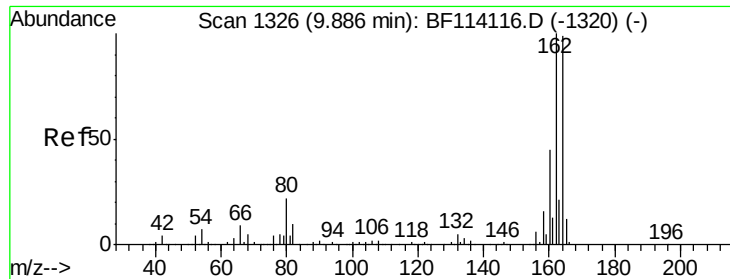
Ion Ratio Lower Upper

122 100

105 170.3 99.9 139.9#

77 630.7 69.4 109.4#

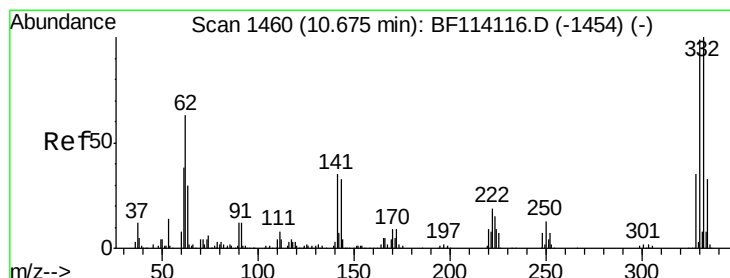
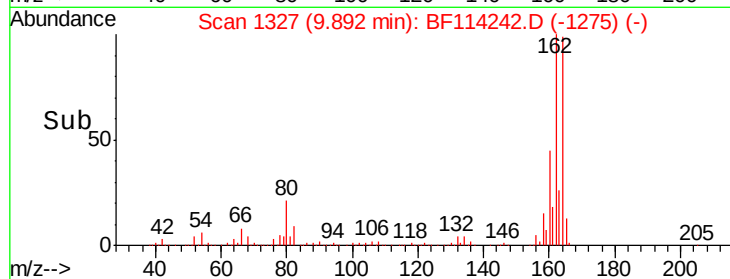
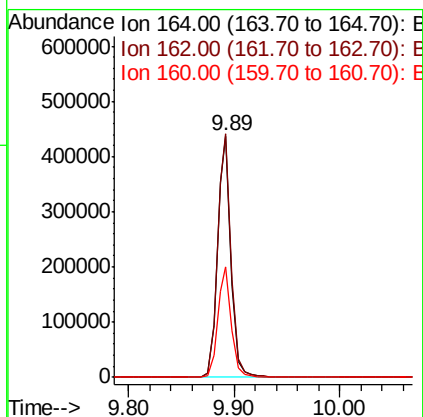
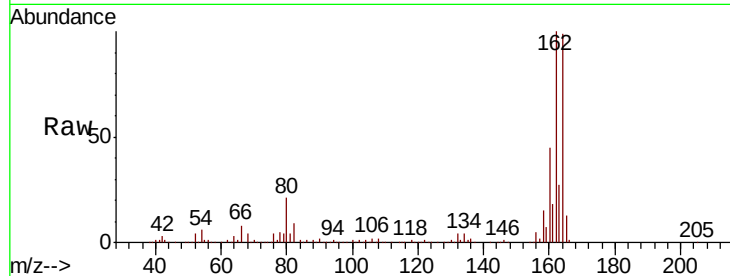




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.01 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

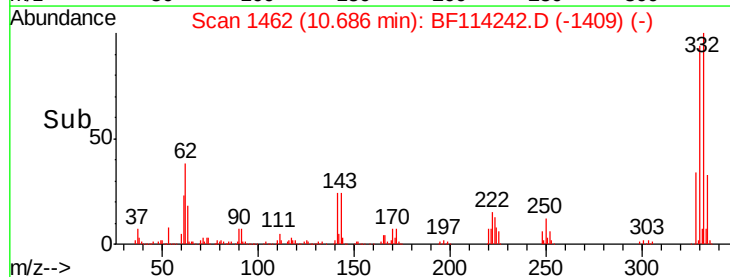
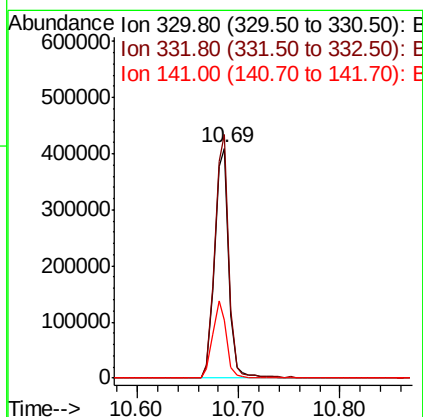
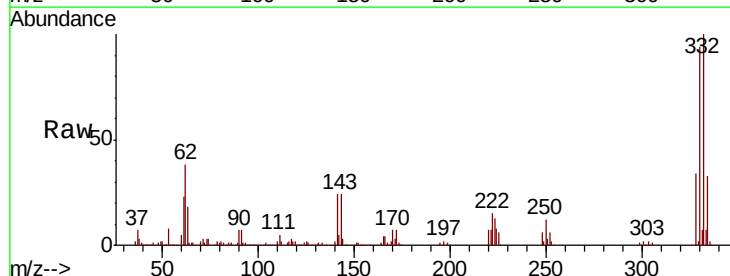
Instrument :  
 BNA\_F  
 ClientSampled :  
 11-B

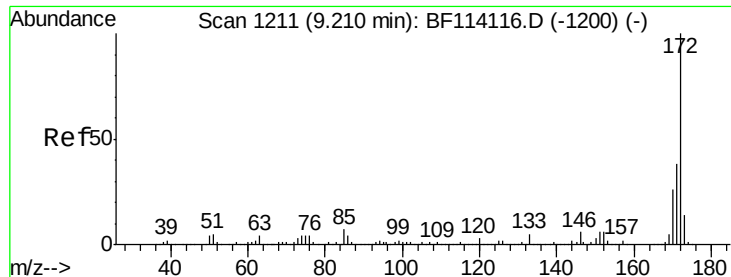
Tgt Ion:164 Resp: 391782  
 Ion Ratio Lower Upper  
 164 100  
 162 100.9 80.6 120.8  
 160 45.8 36.5 54.7



#42  
 2,4,6-Tribromophenol  
 Concen: 99.337 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. 0.01 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

Tgt Ion:330 Resp: 402350  
 Ion Ratio Lower Upper  
 330 100  
 332 104.9 81.4 122.2  
 141 33.0 26.6 40.0

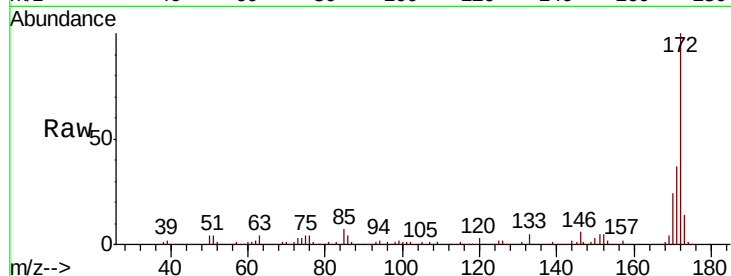




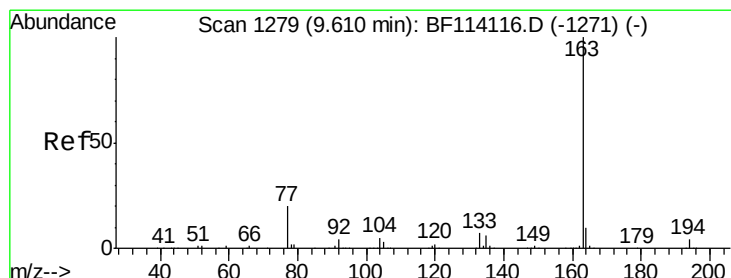
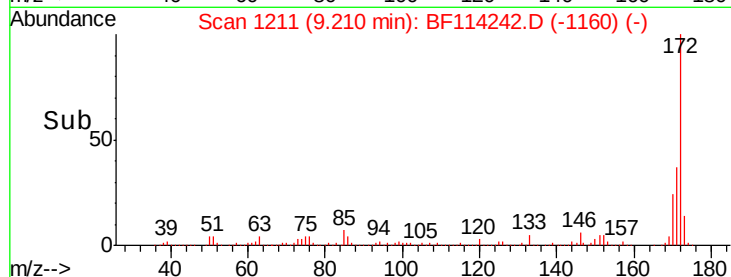
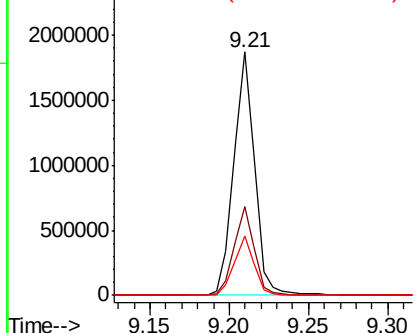
#45  
 2-Fluorobiphenyl  
 Concen: 66.532 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.00 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:172 Resp: 1723173  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 30.7 46.1  
 170 24.3 20.5 30.7

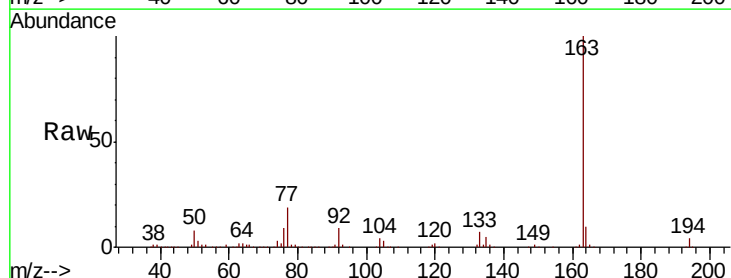


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

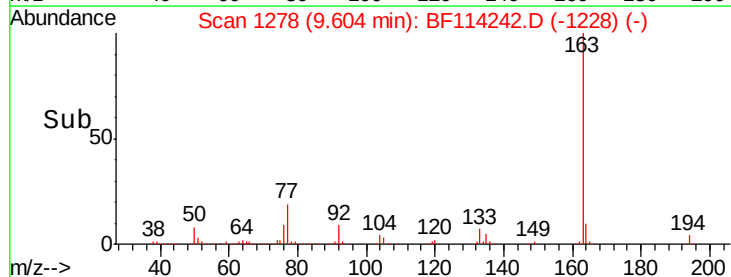
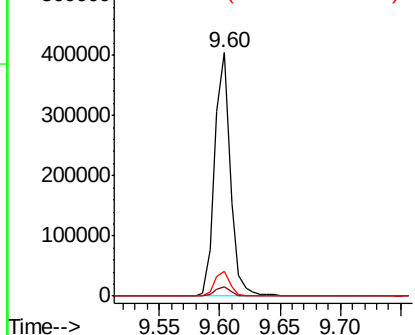


#50  
 Dimethylphthalate  
 Concen: 12.499 ng  
 RT: 9.60 min Scan# 1278  
 Delta R.T. -0.01 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

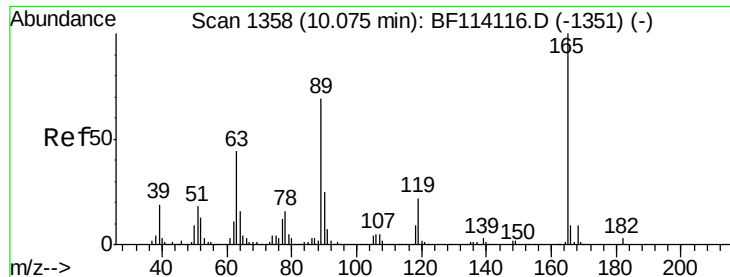
Tgt Ion:163 Resp: 359465  
 Ion Ratio Lower Upper  
 163 100  
 194 4.1 3.4 5.0  
 164 10.0 8.2 12.2



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



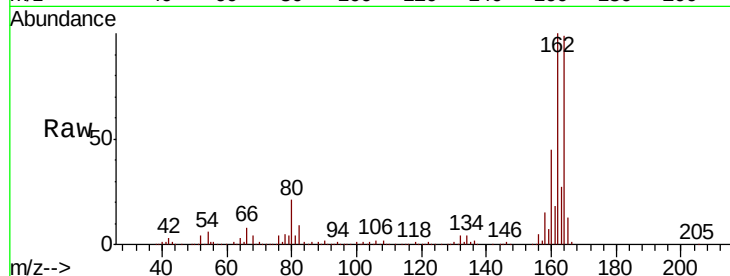




#57  
 2,4-Dinitrotoluene  
 Concen: 5.783 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.18 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 11-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 35.5  | 53.3# |
| 89      | 1.3   | 55.2  | 82.8# |
| 182     | 0.0   | 2.2   | 3.2#  |

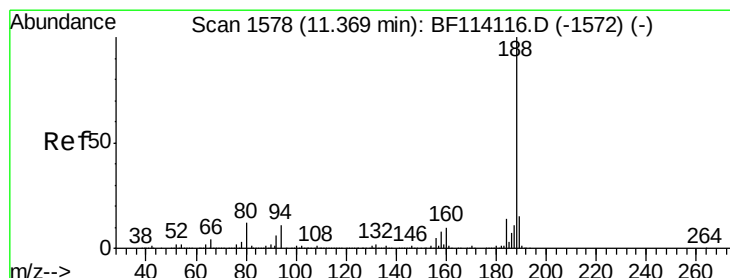
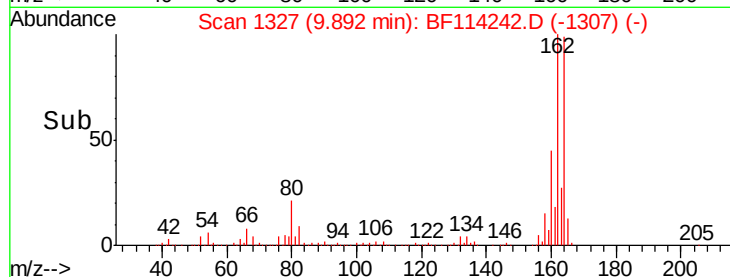
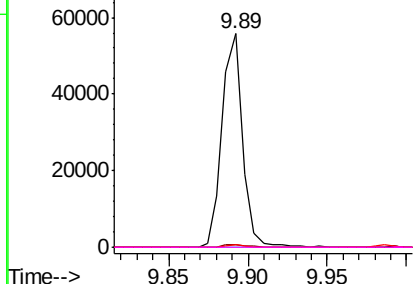


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

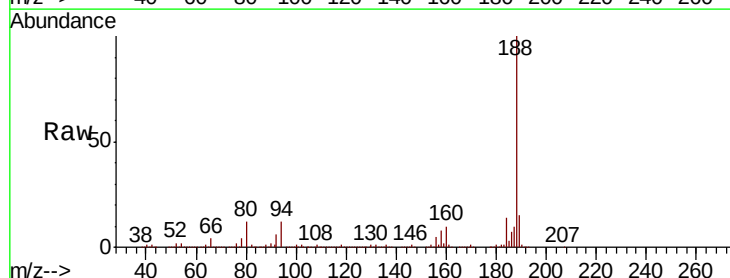
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1579  
 Delta R.T. 0.01 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

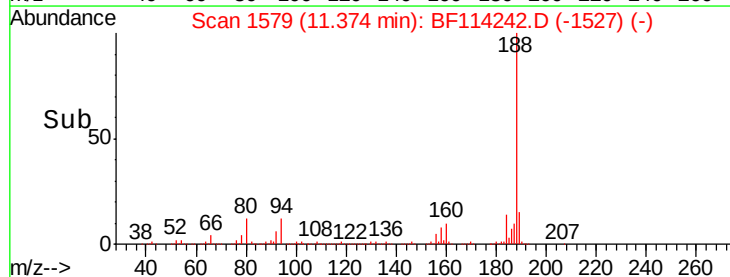
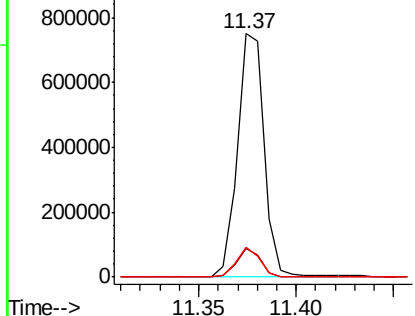
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.6  | 8.4   | 12.6  |
| 80      | 12.0  | 9.2   | 13.8  |

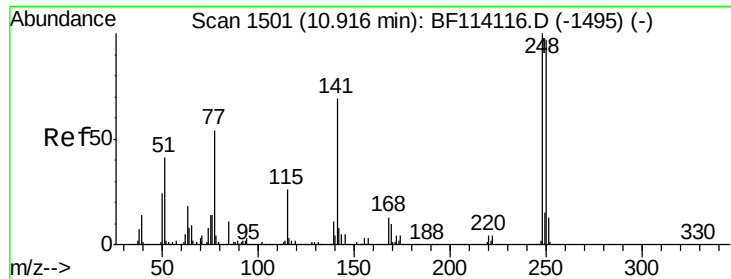


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

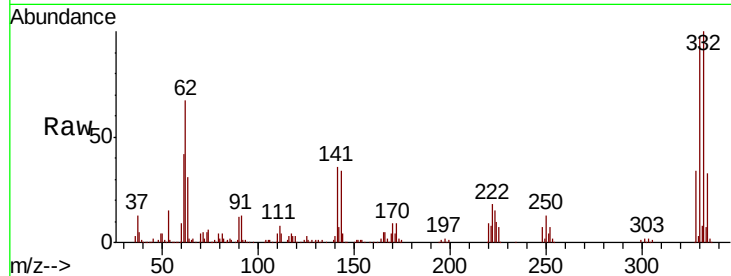




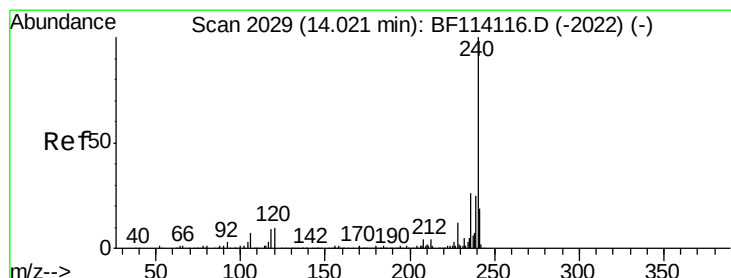
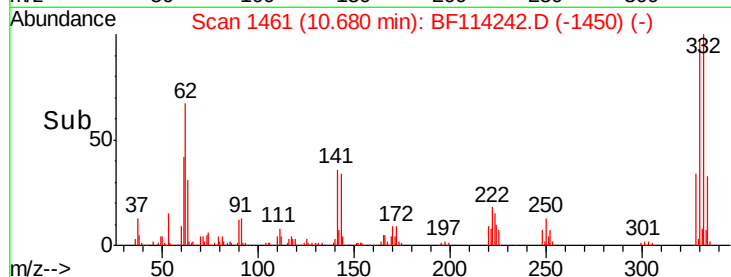
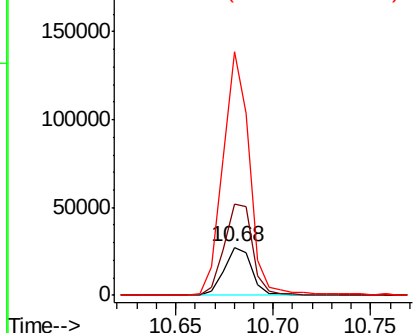
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.406 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.24 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 11-B

Tgt Ion:248 Resp: 26689  
 Ion Ratio Lower Upper  
 248 100  
 250 190.5 77.4 116.2#  
 141 509.6 55.6 83.4#

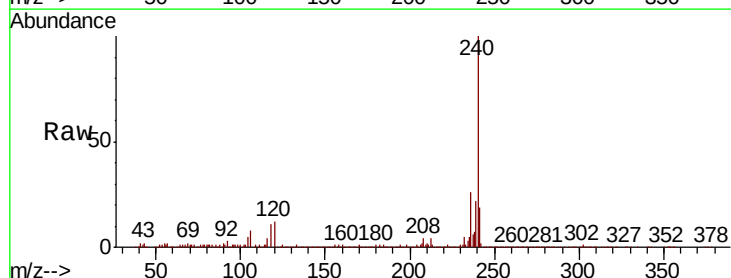


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

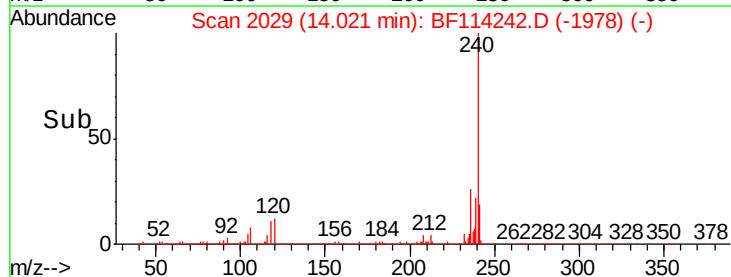
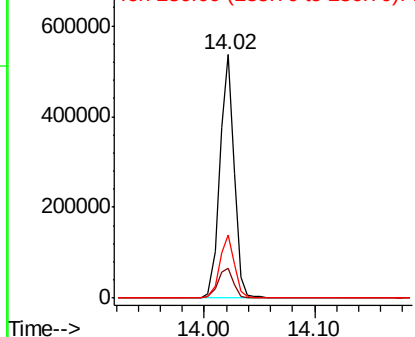


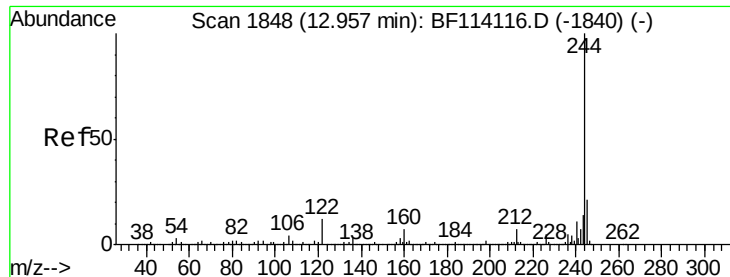
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.00 min  
 Lab File: BF114242.D  
 Acq: 13 May 2019 21:03

Tgt Ion:240 Resp: 482701  
 Ion Ratio Lower Upper  
 240 100  
 120 12.5 8.3 12.5  
 236 26.1 20.8 31.2



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: 63.651 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114242.D

Acq: 13 May 2019 21:03

Instrument :

BNA\_F

ClientSampleId :

11-B

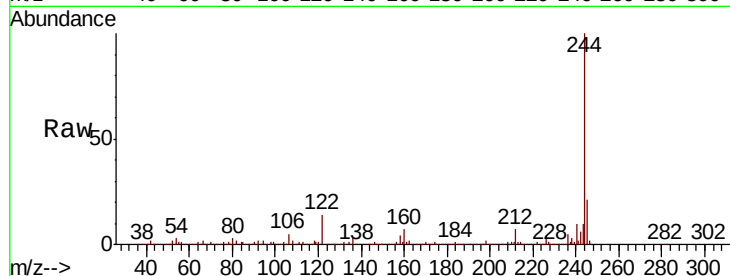
Tgt Ion:244 Resp: 1490433

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

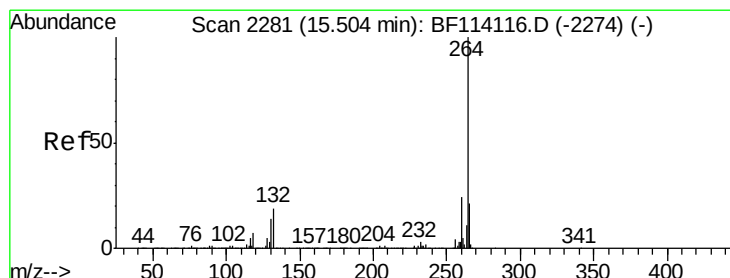
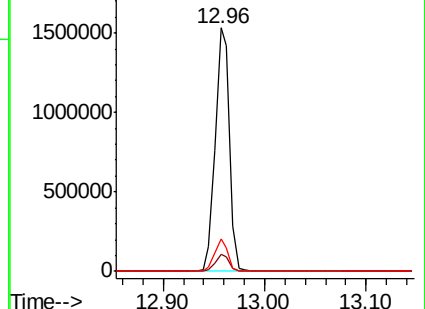
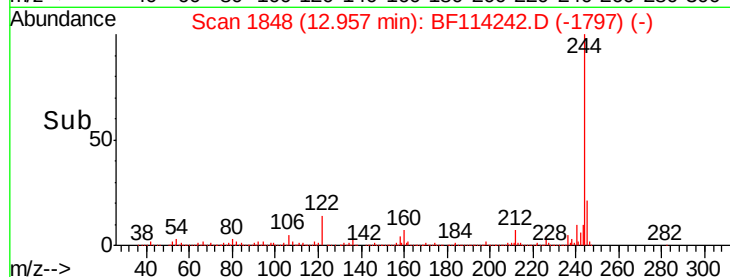
122 13.6 9.4 14.2



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: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF114242.D

Acq: 13 May 2019 21:03

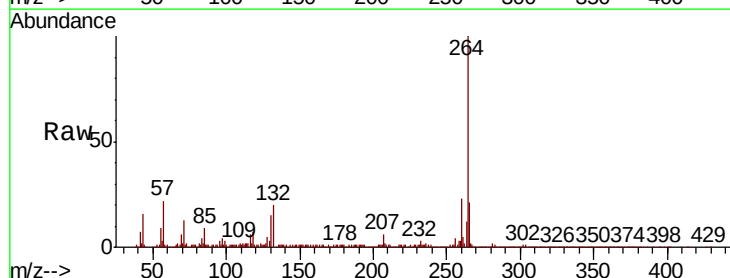
Tgt Ion:264 Resp: 495960

Ion Ratio Lower Upper

264 100

260 22.9 19.4 29.0

265 21.5 16.9 25.3



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

