

Data File : BF114742.D  
Acq On : 1 Jun 2019 8:41  
Operator : HP/JU  
Sample : K3072-05  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

Quant Time: Jun 03 01:32:31 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF052919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 29 19:08:51 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.69  | 152  | 357263   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 1341661  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.72  | 164  | 653323   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.19 | 188  | 1310335  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.82 | 240  | 1062345  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.20 | 264  | 936651   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.30  | 112 | 2432213 | 119.53 | ng | 0.01 |
| 7) Phenol-d6                | 6.33  | 99  | 2992531 | 122.04 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.26  | 82  | 1829916 | 85.09  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330 | 710311  | 114.10 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.05  | 172 | 2880753 | 82.33  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.78 | 244 | 3322397 | 58.80  | ng | 0.00 |

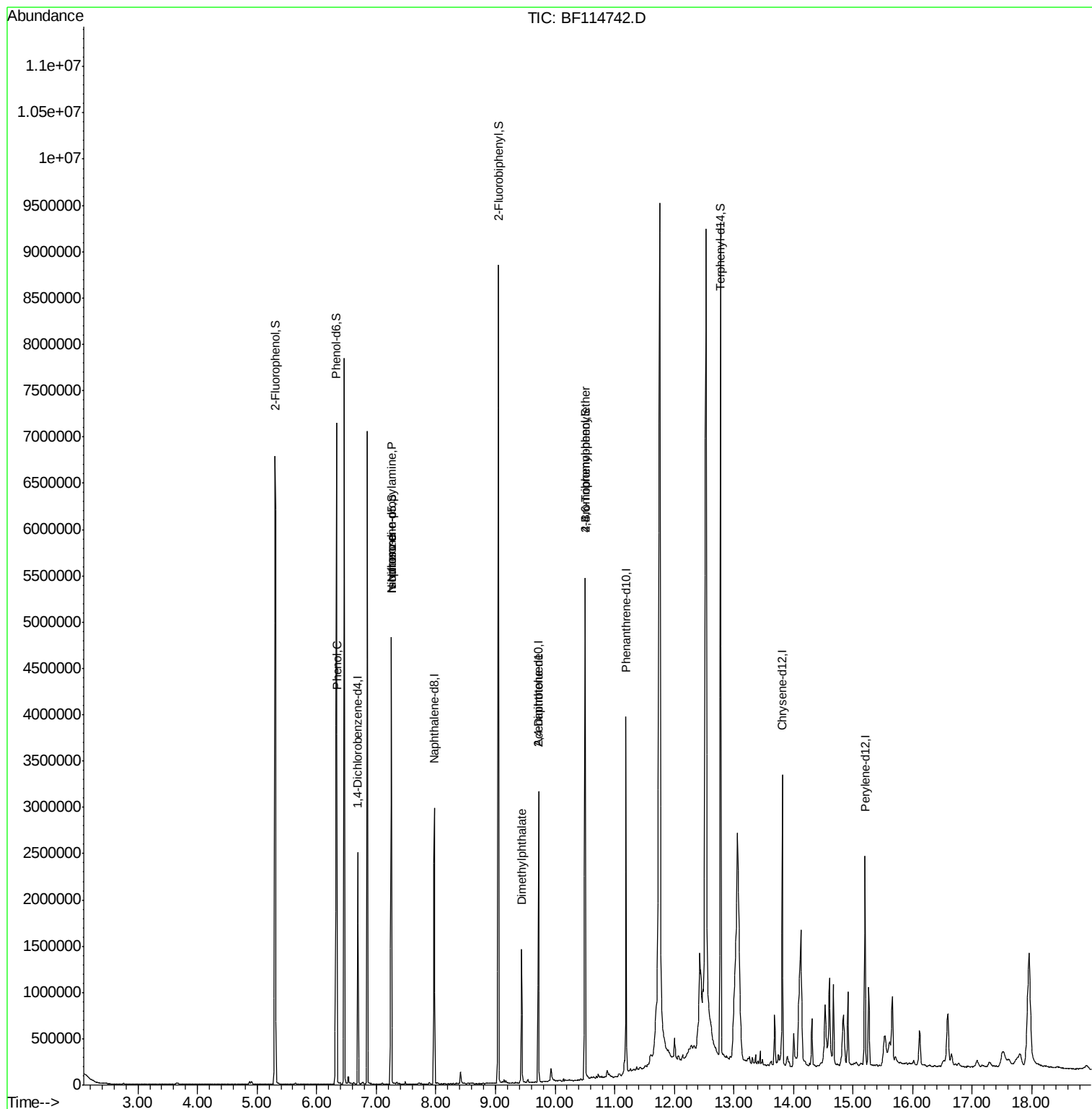
|                                |       |     |         |           |   |    |
|--------------------------------|-------|-----|---------|-----------|---|----|
| Target Compounds               |       |     |         | Qvalue    |   |    |
| 9) Benzaldehyde                | 6.33  | 77  | 5746    | Below Cal | # | 1  |
| 10) Phenol                     | 6.35  | 94  | 61803   | 2.086 ng  |   | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70  | 249888  | 14.764 ng | # | 75 |
| 25) Isophorone                 | 7.26  | 82  | 1768556 | 40.979 ng | # | 63 |
| 50) Dimethylphthalate          | 9.44  | 163 | 543429  | 11.937 ng |   | 99 |
| 57) 2,4-Dinitrotoluene         | 9.72  | 165 | 85335   | 6.286 ng  | # | 23 |
| 58) Fluorene                   | 10.50 | 166 | 31138   | Below Cal | # | 89 |
| 61) 4-Chlorophenyl-phenylether | 10.06 | 204 | 463     | Below Cal | # | 27 |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248 | 45245   | 3.220 ng  | # | 1  |
| 74) Di-n-butylphthalate        | 11.77 | 149 | 29619   | Below Cal | # | 97 |

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

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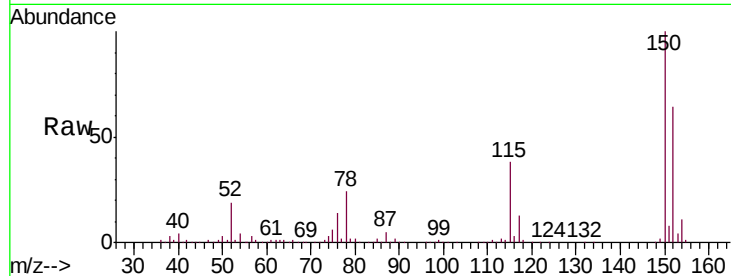


#1

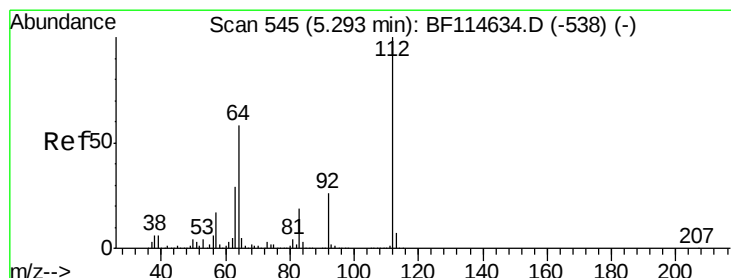
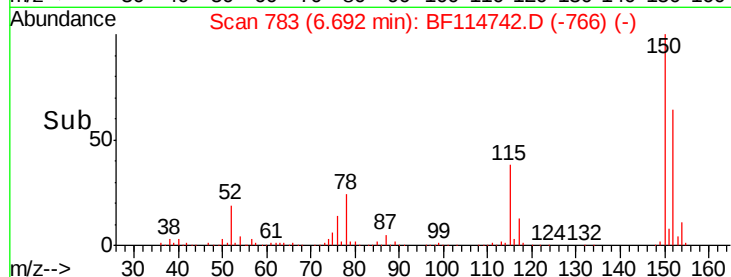
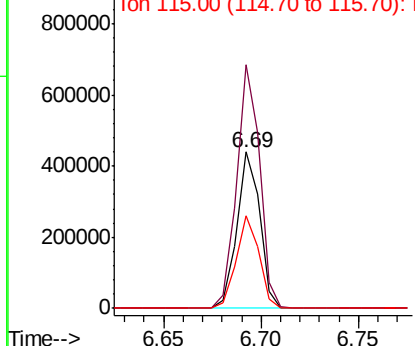
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

Tgt Ion:152 Resp: 357263  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.4 186.6  
115 59.5 48.7 73.1



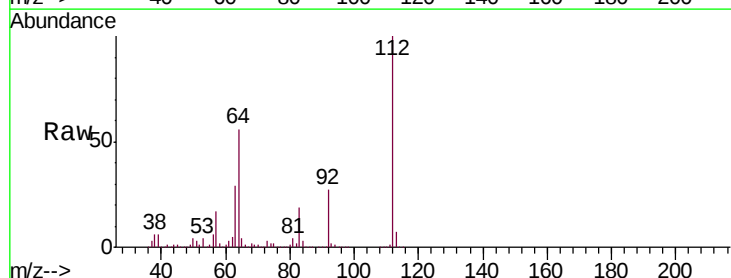
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



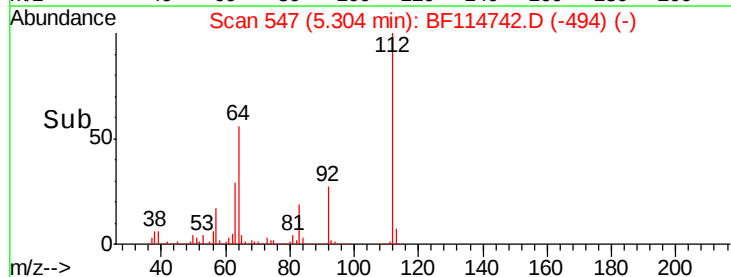
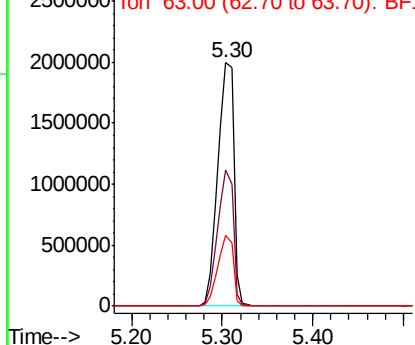
#5

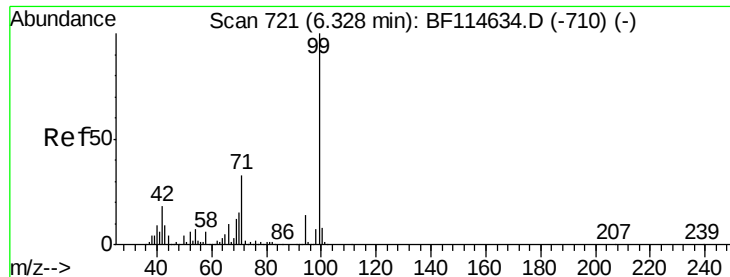
2-Fluorophenol  
Concen: 119.527 ng  
RT: 5.30 min Scan# 547  
Delta R.T. 0.01 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

Tgt Ion:112 Resp: 2432213  
Ion Ratio Lower Upper  
112 100  
64 55.9 46.1 69.1  
63 29.0 23.4 35.2



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: 122.040 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114742.D

Acq: 1 Jun 2019 8:41

Instrument :

BNA\_F

ClientSampleId :

TP-5

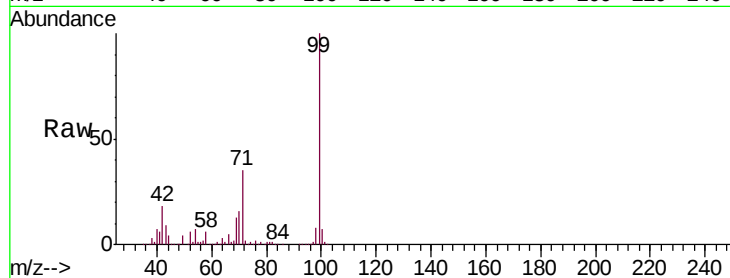
Tgt Ion: 99 Resp: 2992531

Ion Ratio Lower Upper

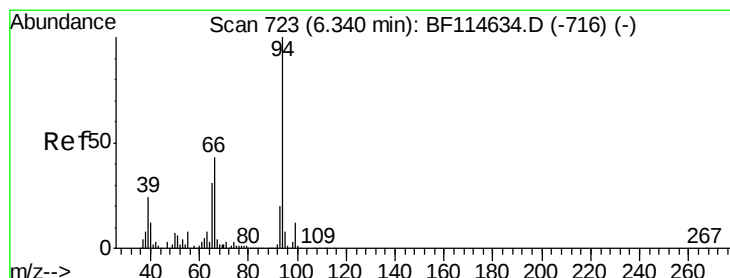
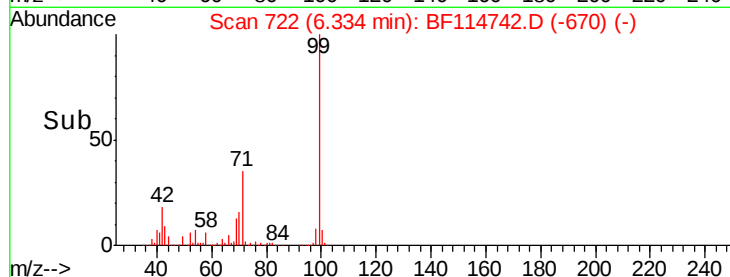
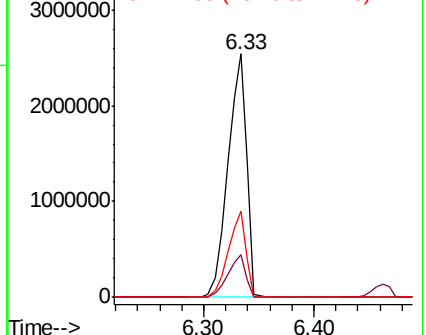
99 100

42 17.6 14.7 22.1

71 35.1 26.6 40.0



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



#10

Phenol

Concen: 2.086 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF114742.D

Acq: 1 Jun 2019 8:41

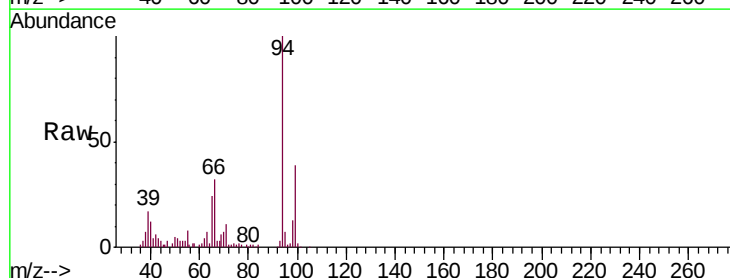
Tgt Ion: 94 Resp: 61803

Ion Ratio Lower Upper

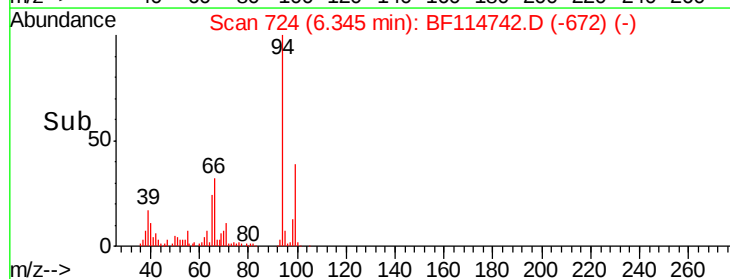
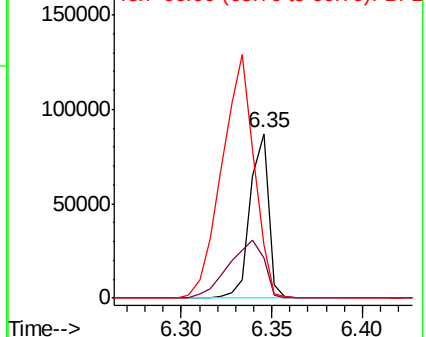
94 100

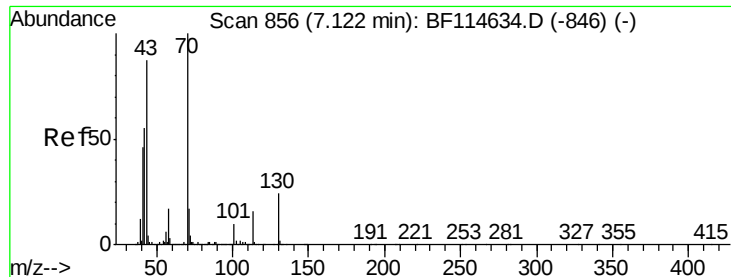
65 24.1 11.0 51.0

66 31.8 23.0 63.0



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

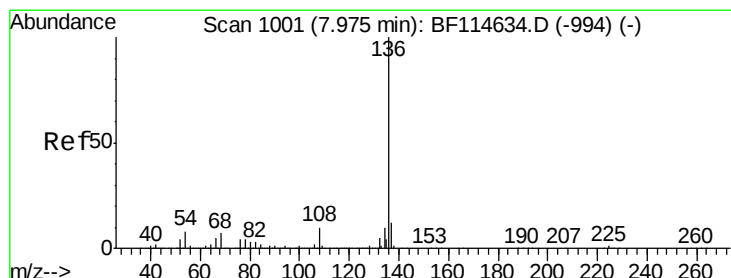
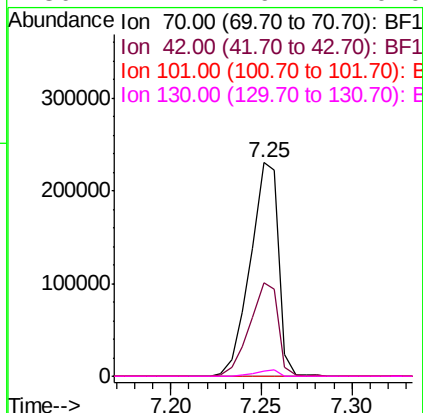
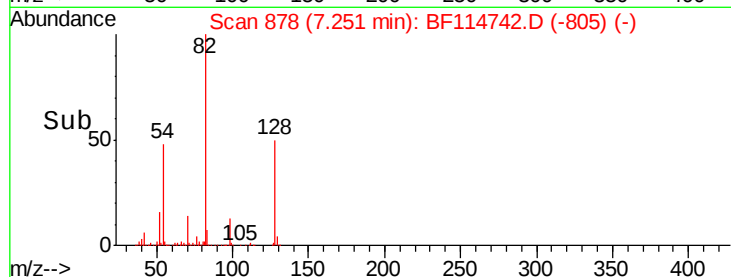
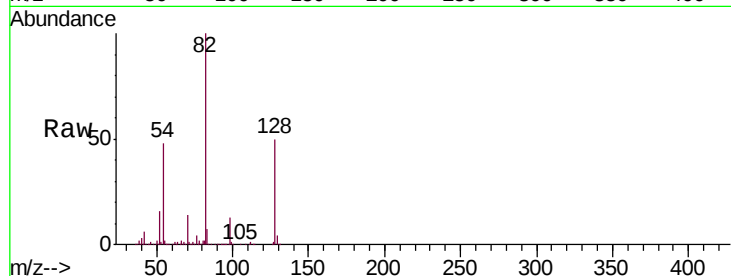




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.764 ng  
RT: 7.25 min Scan# 878  
Delta R.T. 0.13 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

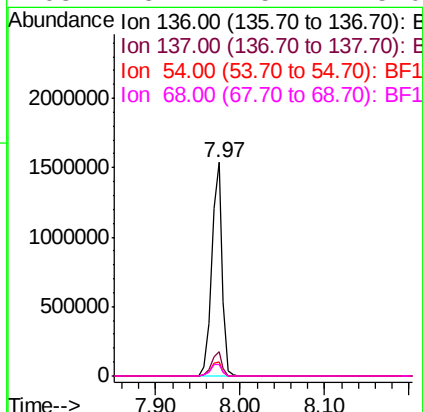
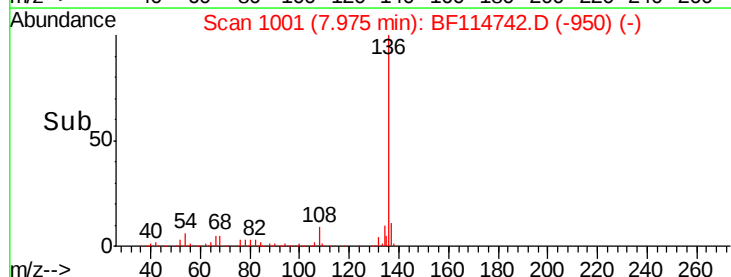
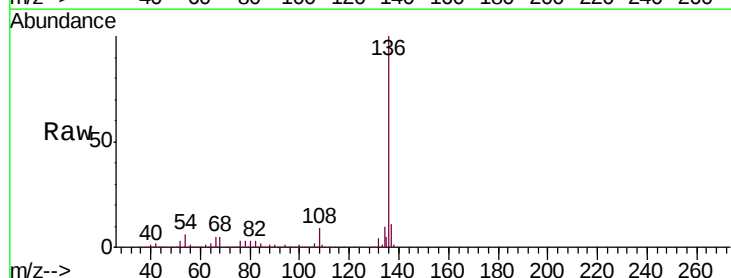
Instrument :  
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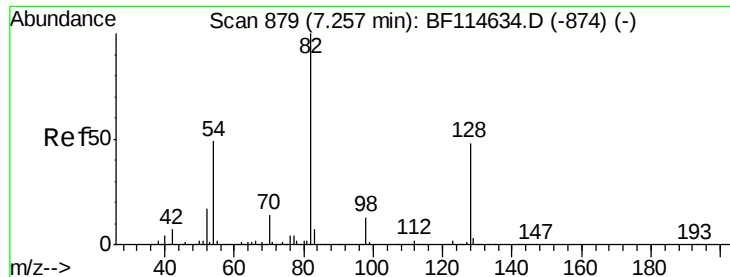
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 249888 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 44.0  | 44.4  | 66.6#  |
| 101      | 0.0   | 8.2   | 12.4#  |
| 130      | 2.4   | 19.4  | 29.0#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1341661 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.3  | 9.3   | 13.9    |
| 54       | 6.5   | 6.3   | 9.5     |
| 68       | 5.4   | 5.4   | 8.0     |

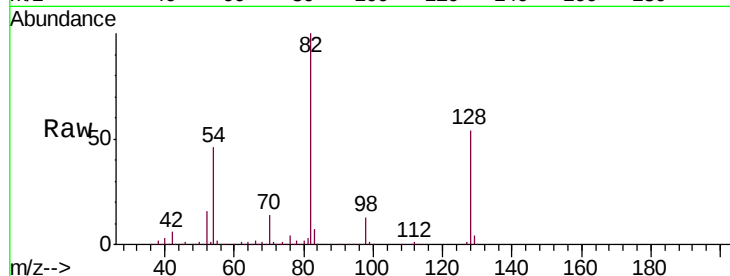




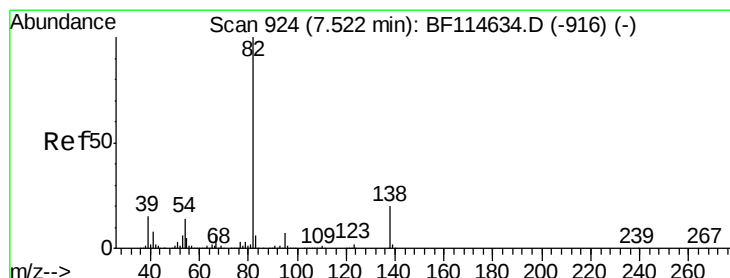
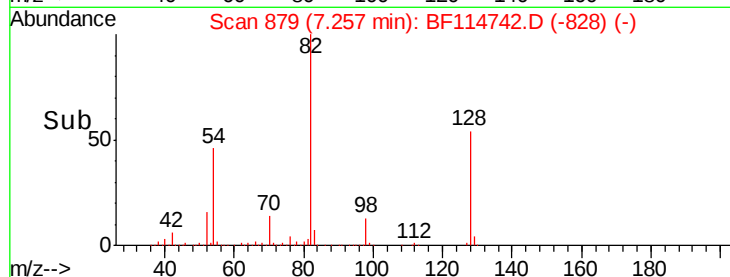
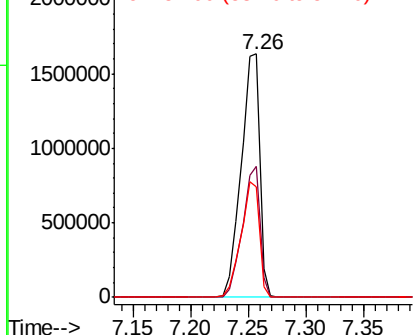
#23  
Nitrobenzene-d5  
Concen: 85.094 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.00 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

Tgt Ion: 82 Resp: 1829916  
Ion Ratio Lower Upper  
82 100  
128 53.7 38.5 57.7  
54 45.6 39.1 58.7

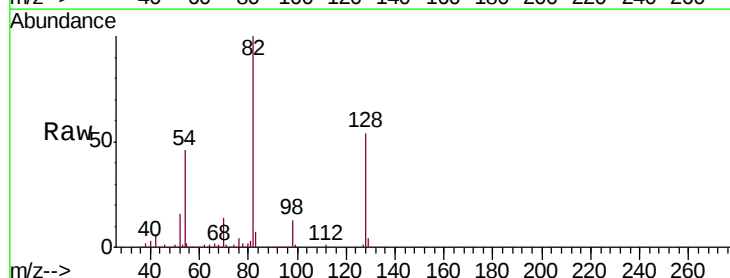


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

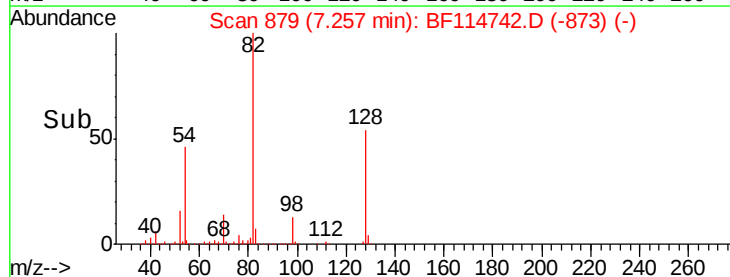
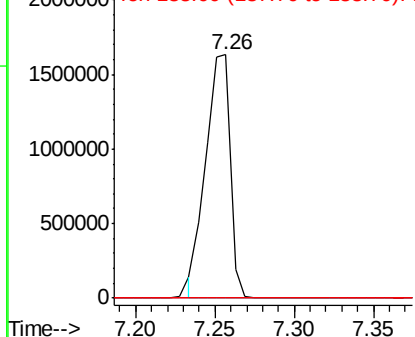


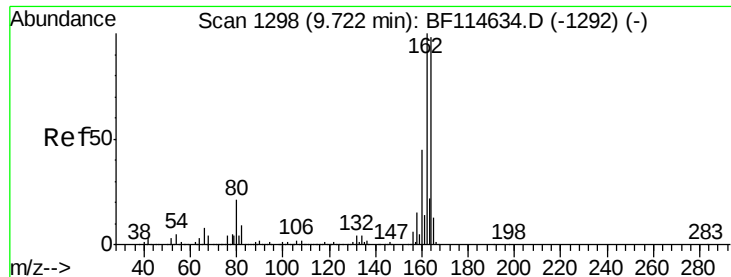
#25  
Isophorone  
Concen: 40.979 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.26 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

Tgt Ion: 82 Resp: 1768556  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 15.9 23.9#



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

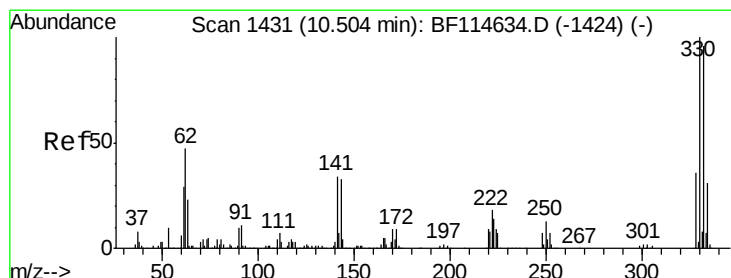
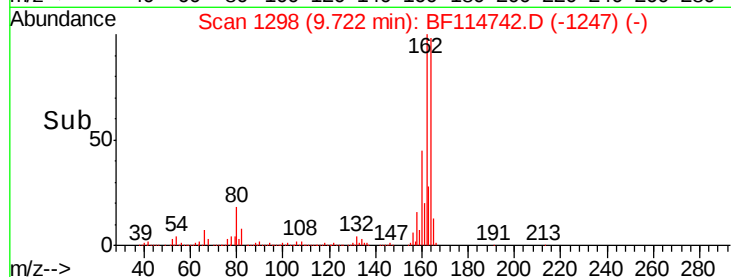
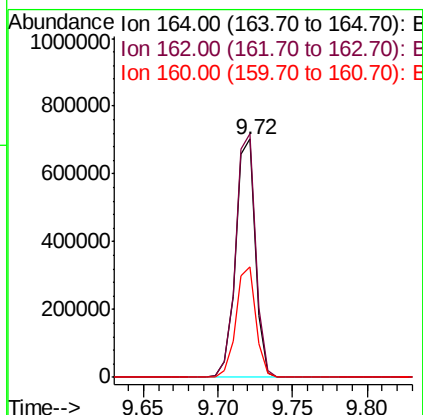
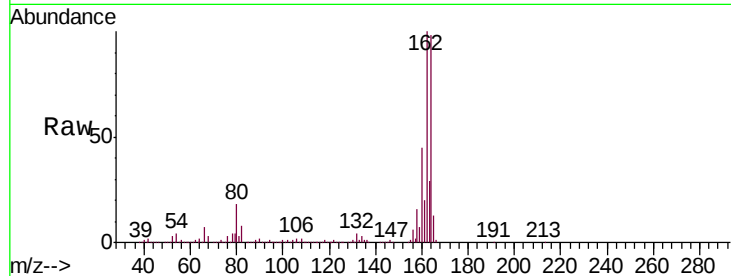




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.00 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

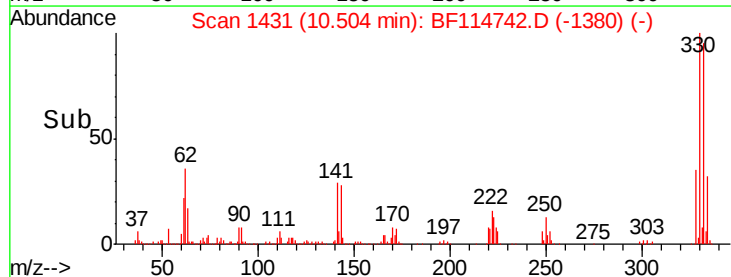
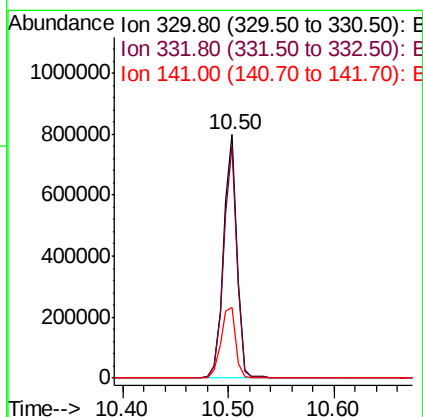
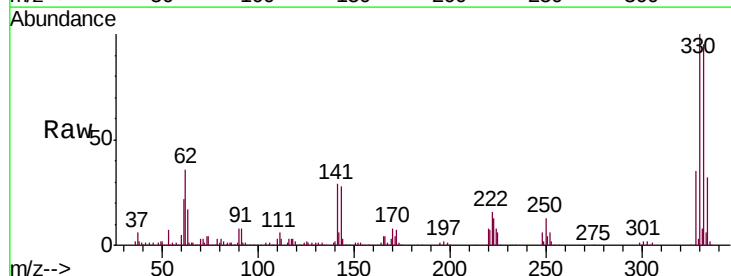
Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

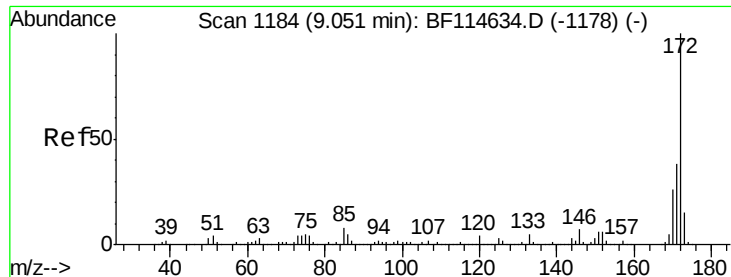
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.1 | 81.4  | 122.2 |
| 160     | 46.5  | 36.6  | 54.8  |



#42  
2,4,6-Tribromophenol  
Concen: 114.104 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: BF114742.D  
Acq: 1 Jun 2019 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 75.8  | 113.8 |
| 141     | 32.6  | 27.8  | 41.8  |

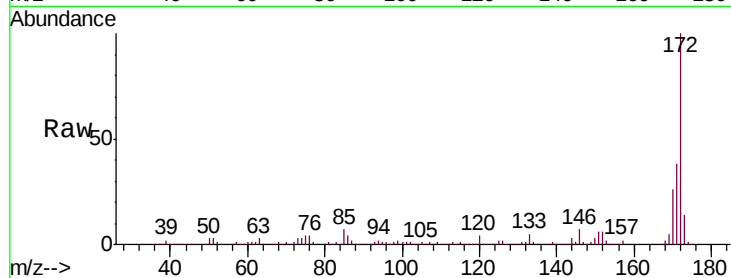




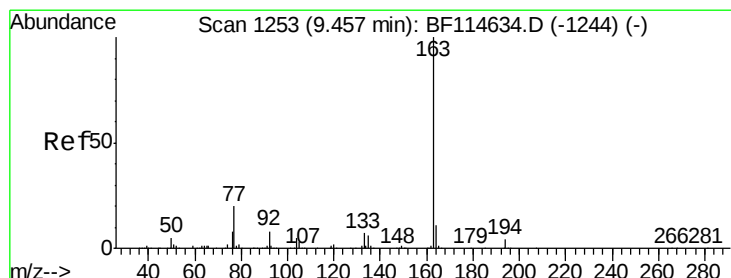
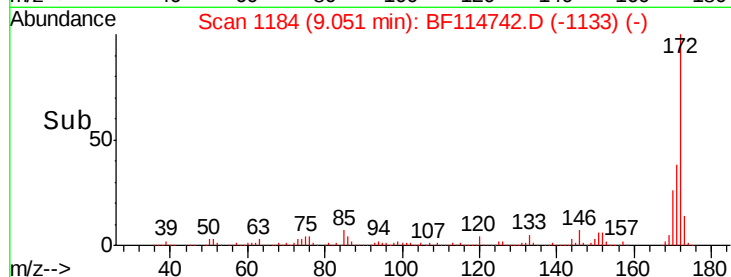
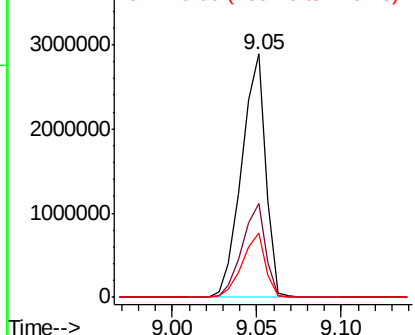
#45  
 2-Fluorobiphenyl  
 Concen: 82.326 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5

Tgt Ion:172 Resp: 2880753  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 30.6 45.8  
 170 26.3 20.7 31.1

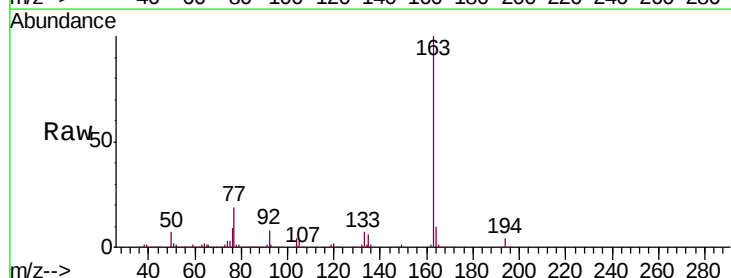


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

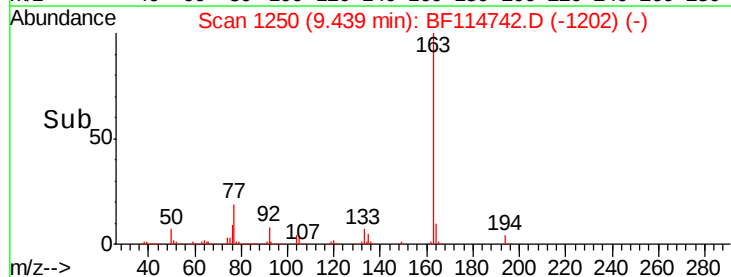
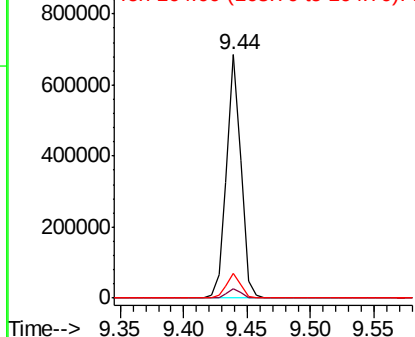


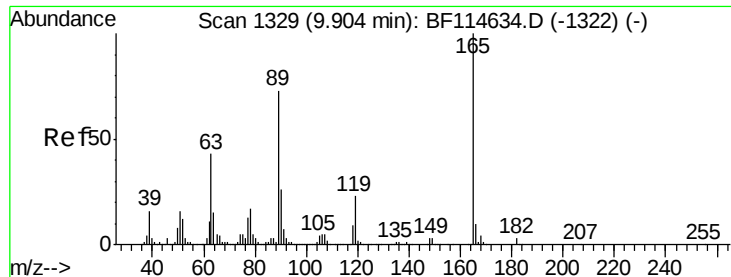
#50  
 Dimethylphthalate  
 Concen: 11.937 ng  
 RT: 9.44 min Scan# 1250  
 Delta R.T. -0.02 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

Tgt Ion:163 Resp: 543429  
 Ion Ratio Lower Upper  
 163 100  
 194 4.0 3.4 5.0  
 164 10.2 8.6 13.0



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

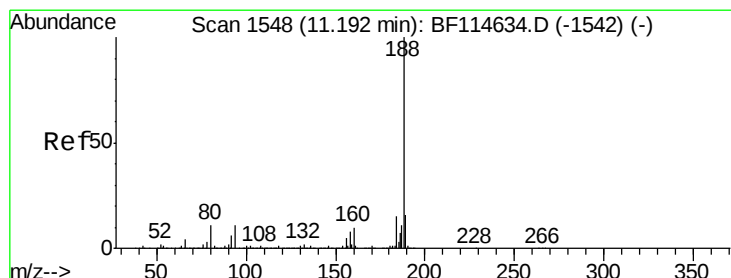
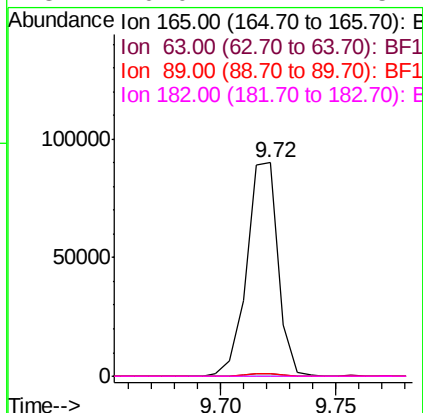
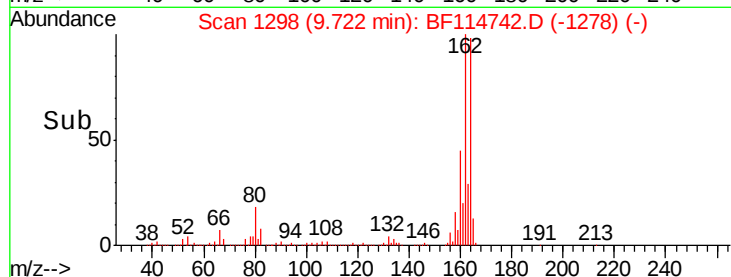
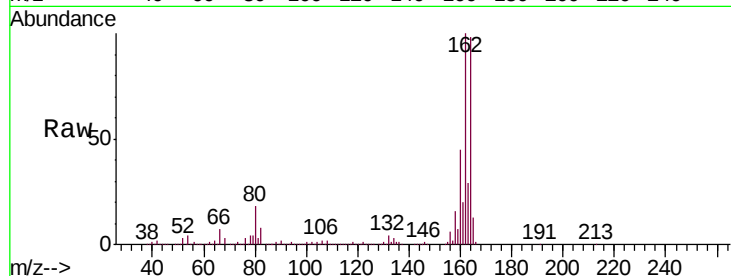




#57  
 2,4-Dinitrotoluene  
 Concen: 6.286 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.18 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

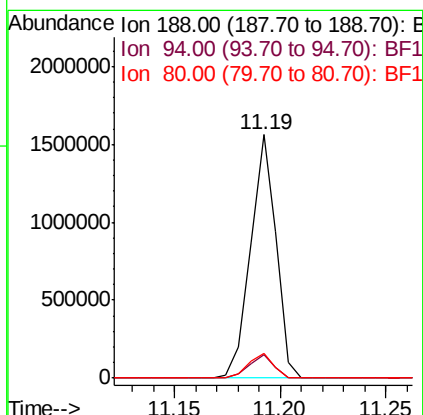
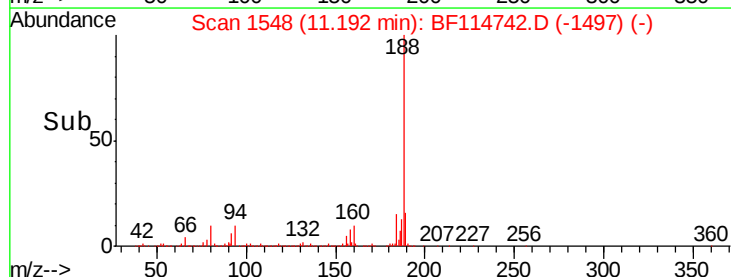
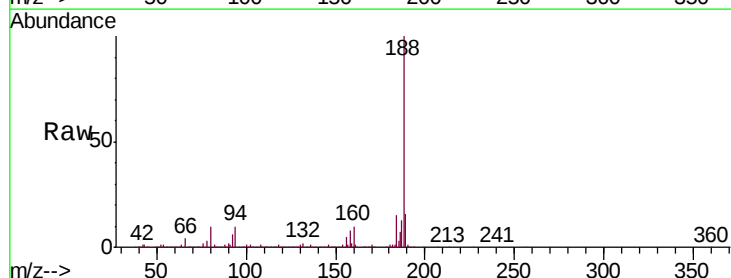
Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-5

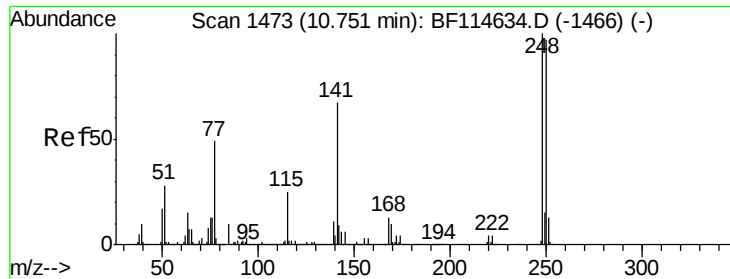
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 34.8  | 52.2# |
| 89      | 1.3   | 58.5  | 87.7# |
| 182     | 0.0   | 2.2   | 3.2#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.19 min Scan# 1548  
 Delta R.T. -0.00 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 8.6   | 13.0  |
| 80      | 10.2  | 9.0   | 13.6  |

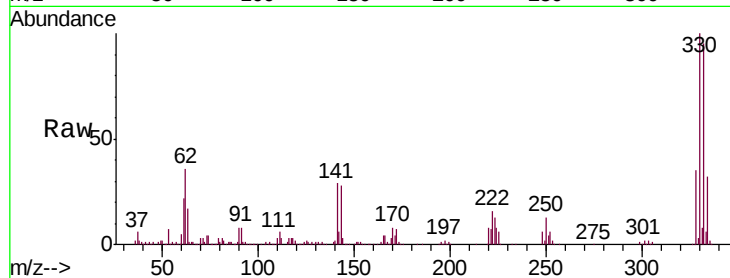




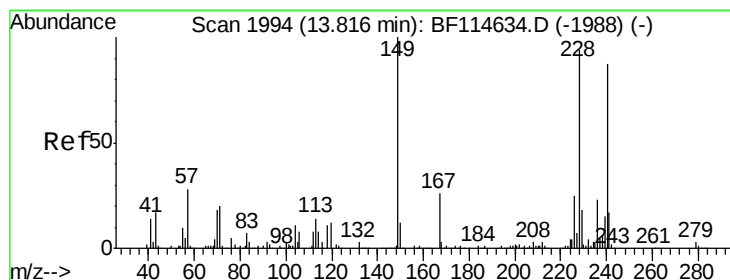
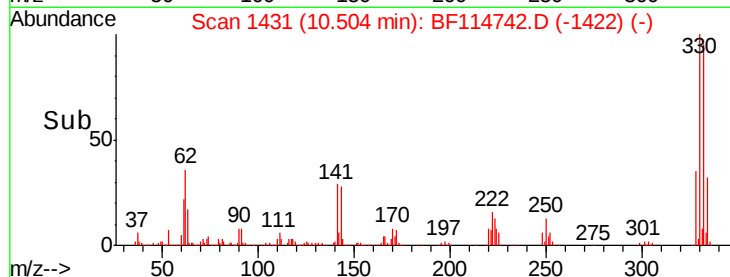
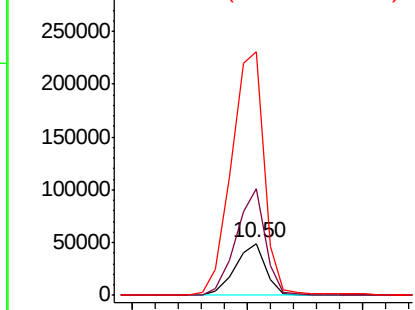
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.220 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.25 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5

Tgt Ion: 248 Resp: 45245  
 Ion Ratio Lower Upper  
 248 100  
 250 204.3 78.0 117.0#  
 141 466.8 53.8 80.8#

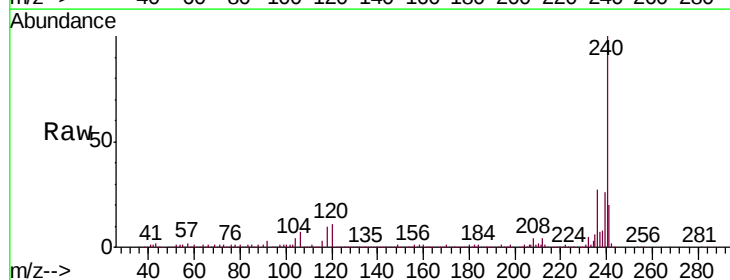


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

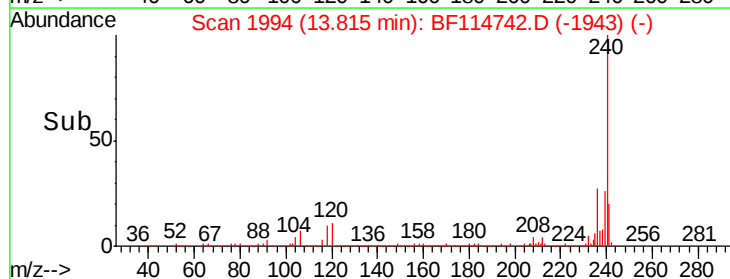
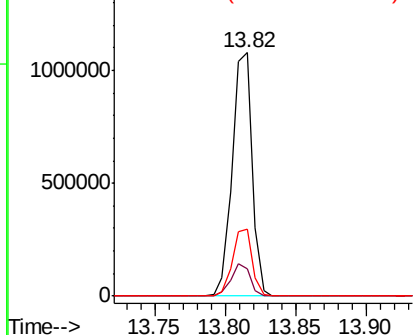


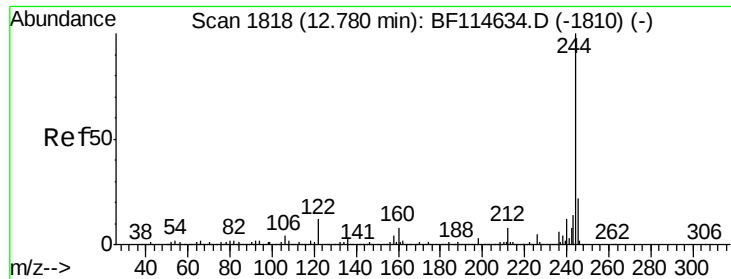
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.82 min Scan# 1994  
 Delta R.T. -0.00 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

Tgt Ion: 240 Resp: 1062345  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 11.2 16.8#  
 236 27.3 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

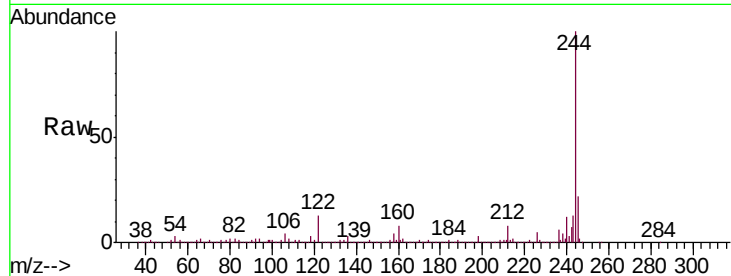




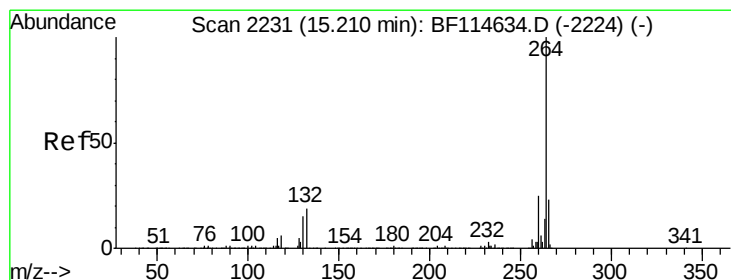
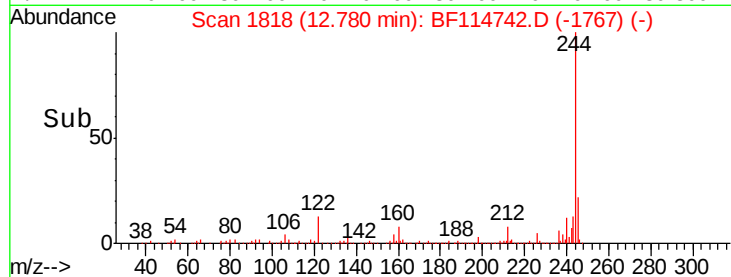
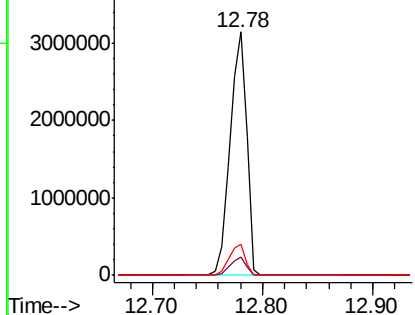
#79  
 Terphenyl-d14  
 Concen: 58.800 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5

Tgt Ion:244 Resp: 3322397  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.1 9.1  
 122 12.8 9.8 14.8

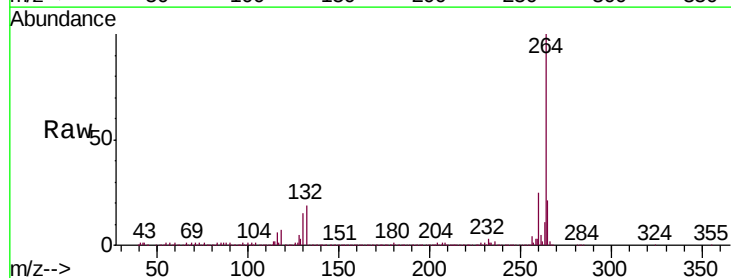


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.20 min Scan# 2229  
 Delta R.T. -0.01 min  
 Lab File: BF114742.D  
 Acq: 1 Jun 2019 8:41

Tgt Ion:264 Resp: 936651  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.7 29.5  
 265 21.4 18.1 27.1



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

