

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\  
 Data File : BF114643.D  
 Acq On : 29 May 2019 20:03  
 Operator : HP/JU  
 Sample : K3041-11  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2-D

Manual Integrations  
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 5/30/2019 12:47:52 PM

Quant Time: May 30 04:35:50 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  | 306404   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 1176350  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.72  | 164  | 593111   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.20 | 188  | 1199902  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.82 | 240  | 913793   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.20 | 264  | 850333   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.30  | 112 | 2117238 | 121.32 | ng | 0.00 |
| 7) Phenol-d6                | 6.33  | 99  | 2604994 | 123.87 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.25  | 82  | 1630307 | 86.47  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330 | 700582  | 123.97 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.05  | 172 | 2358930 | 72.33  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.77 | 244 | 2546120 | 52.39  | ng | 0.00 |

|                          |       |     |         |         |    |      |
|--------------------------|-------|-----|---------|---------|----|------|
| Target Compounds         |       |     |         | Qvalue  |    |      |
| 10) Phenol               | 6.34  | 94  | 63909   | 2.516   | ng | 86   |
| 20) 3+4-Methylphenols    | 7.09  | 107 | 92243   | 4.601   | ng | # 55 |
| 31) Naphthalene          | 7.99  | 128 | 1955568 | 36.091  | ng | 98   |
| 37) 2-Methylnaphthalene  | 8.68  | 142 | 911091  | 25.307  | ng | 99   |
| 38) 1-Methylnaphthalene  | 8.78  | 142 | 435005  | 12.753  | ng | 99   |
| 46) 1,1'-Biphenyl        | 9.15  | 154 | 95110   | 2.160   | ng | 96   |
| 50) Dimethylphthalate    | 9.44  | 163 | 384113  | 9.294   | ng | 98   |
| 52) Acenaphthene         | 9.75  | 154 | 1483619 | 43.359  | ng | 100  |
| 55) Dibenzofuran         | 9.92  | 168 | 1862404 | 38.237  | ng | 99   |
| 58) Fluorene             | 10.27 | 166 | 2138500 | 80.316  | ng | 99   |
| 71) Phenanthrene         | 11.23 | 178 | 6522496 | 106.561 | ng | 95   |
| 72) Anthracene           | 11.27 | 178 | 2405425 | 38.829  | ng | 99   |
| 73) Carbazole            | 11.42 | 167 | 661744  | 12.154  | ng | 97   |
| 75) Fluoranthene         | 12.41 | 202 | 3278310 | 51.724  | ng | 98   |
| 78) Pyrene               | 12.63 | 202 | 2443910 | 31.616  | ng | 99   |
| 81) Benzo(a)anthracene   | 13.80 | 228 | 499028  | 7.106   | ng | 99   |
| 83) Chrysene             | 13.84 | 228 | 438313  | 6.533   | ng | 95   |
| 88) Benzo(b)fluoranthene | 14.81 | 252 | 155645m | 2.906   | ng |      |
| 90) Benzo(a)pyrene       | 15.14 | 252 | 97135   | 2.065   | ng | 98   |

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

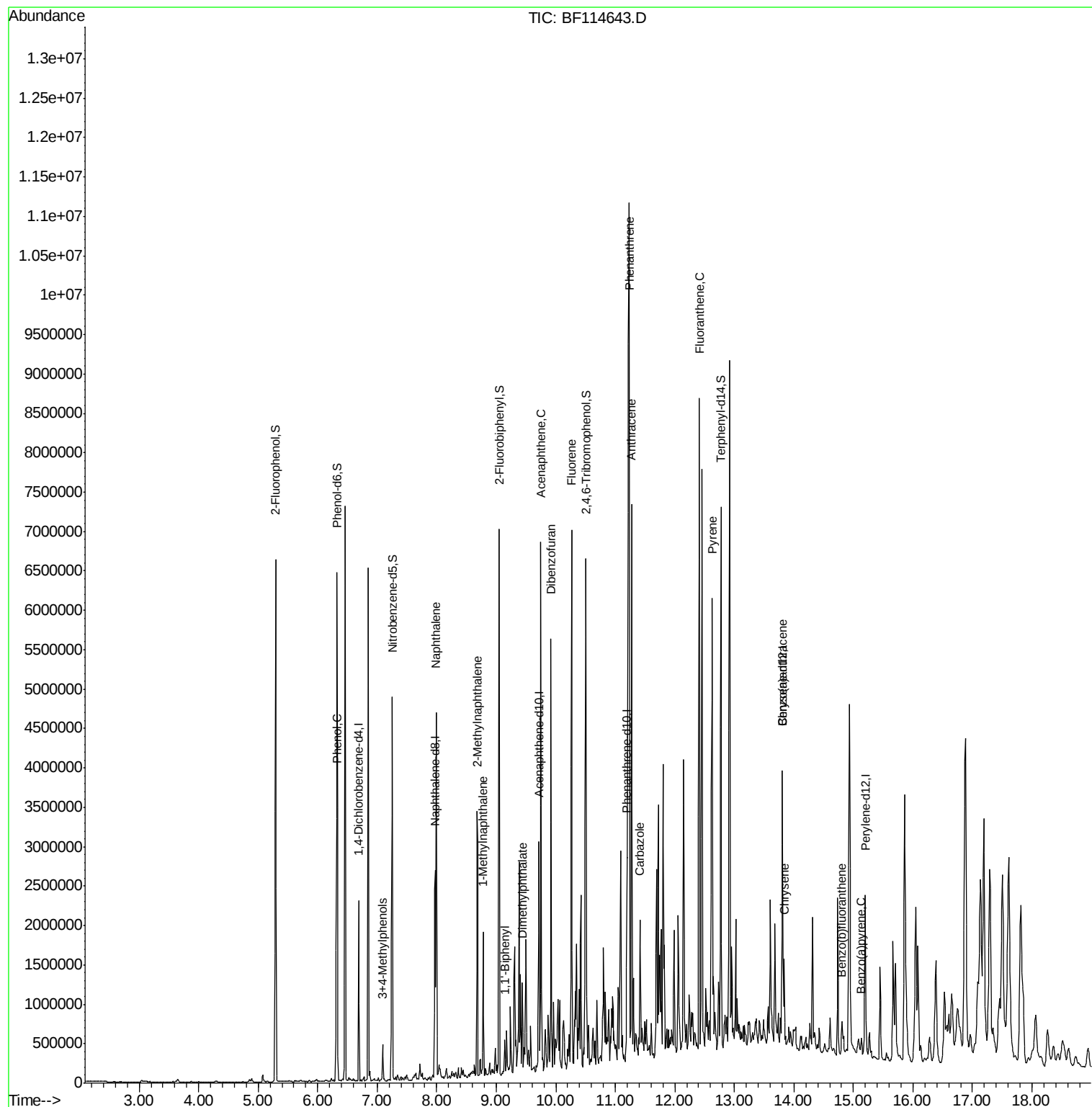
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\  
Data File : BF114643.D  
Acq On : 29 May 2019 20:03  
Operator : HP/JU  
Sample : K3041-11  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

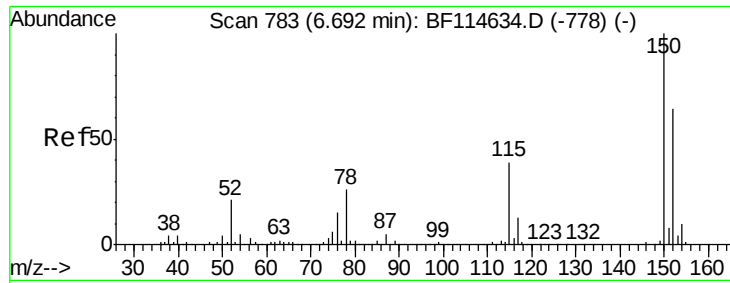
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-D

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Quant Time: May 30 04:35:50 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





#1

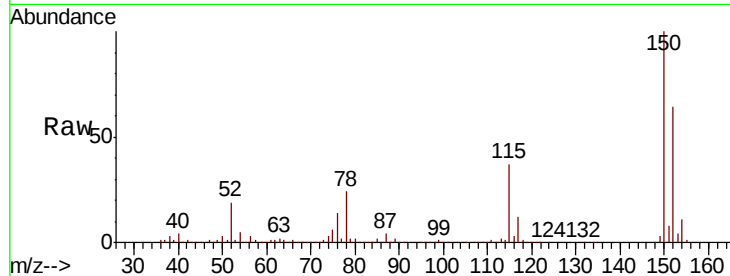
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 124.4 | 186.6 |
| 115     | 57.6  | 48.7  | 73.1  |

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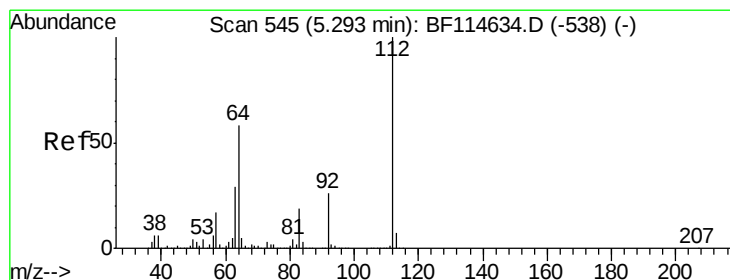
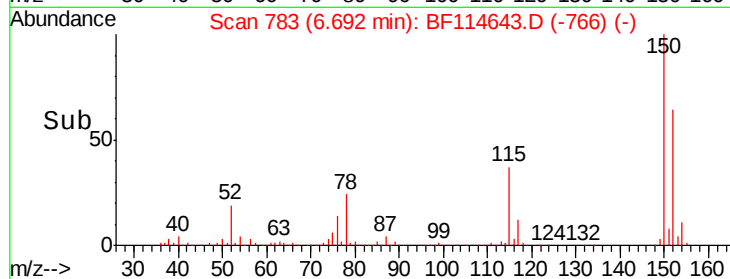
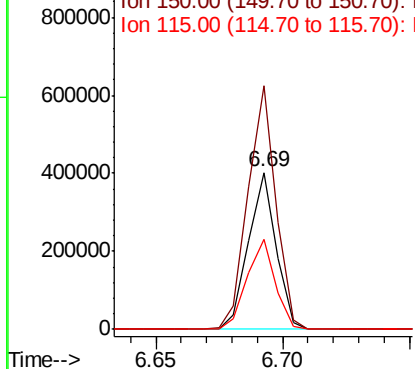


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

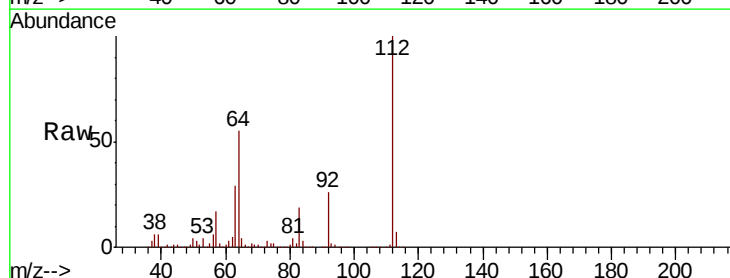
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 121.319 ng  
RT: 5.30 min Scan# 546  
Delta R.T. 0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.4  | 46.1  | 69.1  |
| 63      | 29.3  | 23.4  | 35.2  |

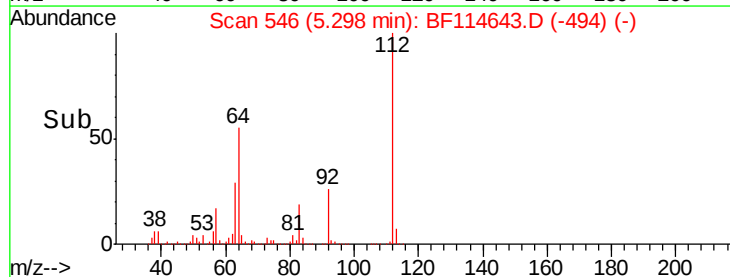
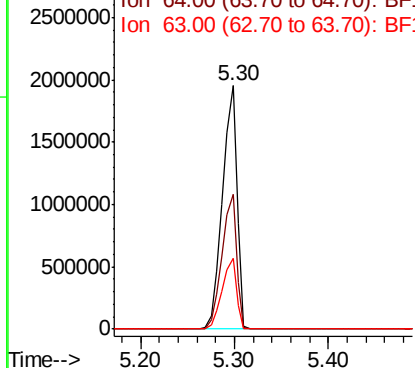


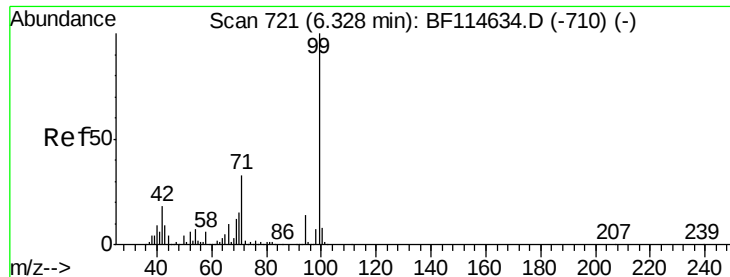
Abundance

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: 123.870 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

Instrument :

BNA\_F

ClientSampleId :

TP-2-D

Tot Ion: 99 Resp: 2604994

Ion Ratio Lower Upper

99 100

42 18.9 14.7 22.1

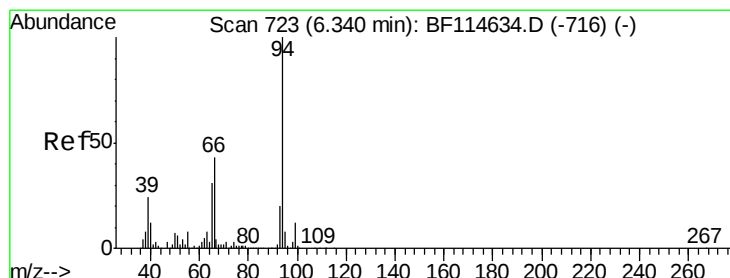
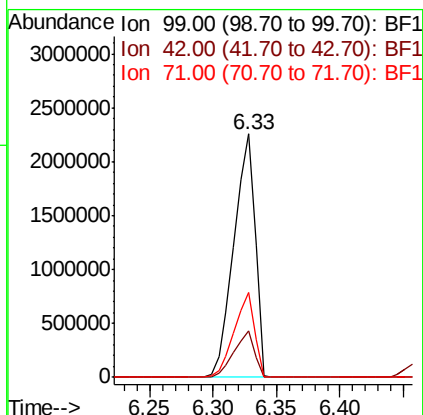
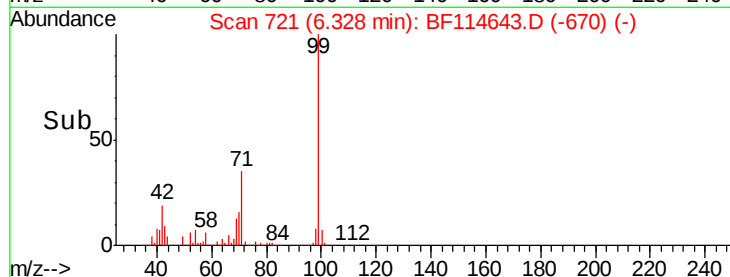
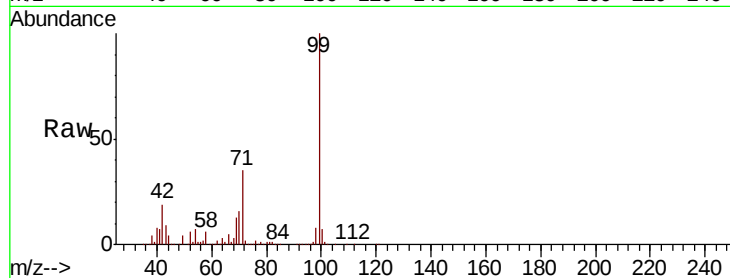
71 35.1 26.6 40.0

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#10

Phenol

Concen: 2.516 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

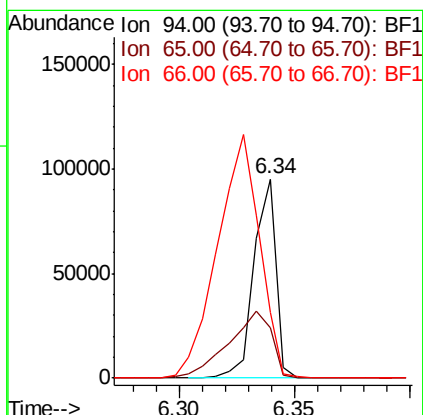
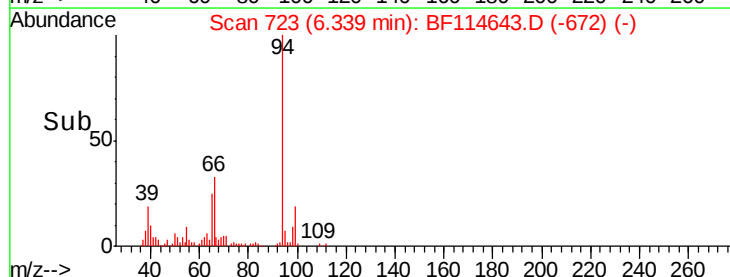
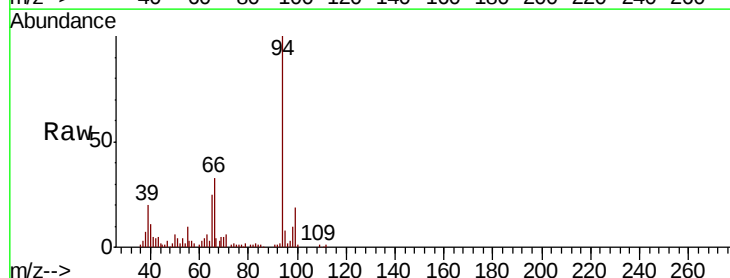
Tgt Ion: 94 Resp: 63909

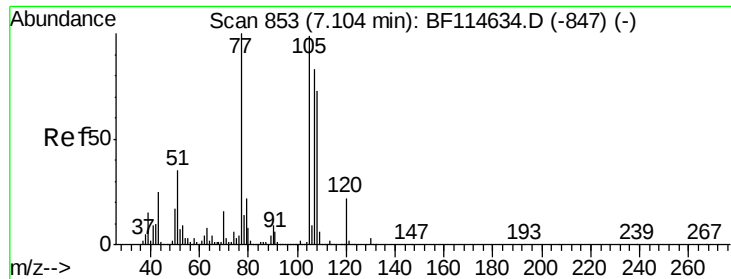
Ion Ratio Lower Upper

94 100

65 25.2 11.0 51.0

66 33.0 23.0 63.0





#20

3+4-Methylphenols

Concen: 4.601 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

Instrument :

BNA\_F

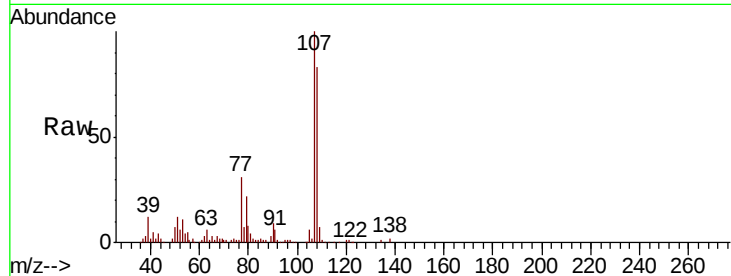
ClientSampleId :

TP-2-D

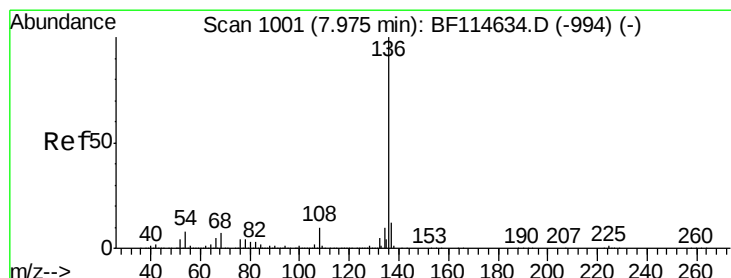
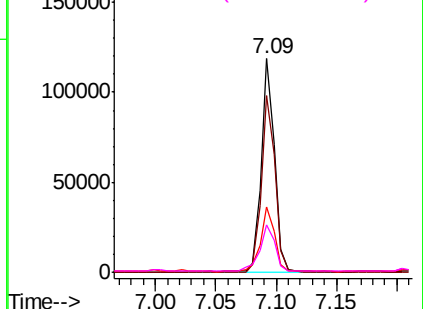
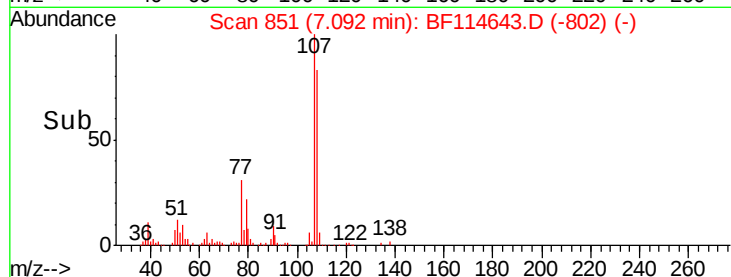
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 92243  |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 82.9  | 68.6  | 108.6  |
| 77        | 30.5  | 100.5 | 140.5# |
| 79        | 22.0  | 7.0   | 47.0   |

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Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

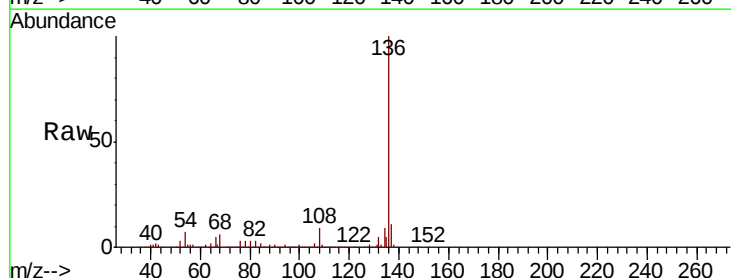
RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

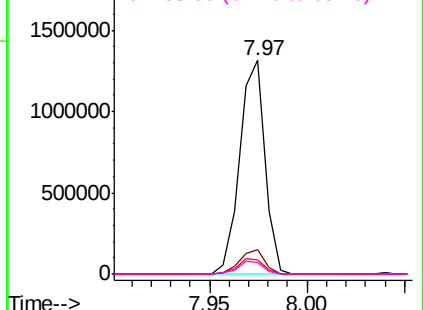
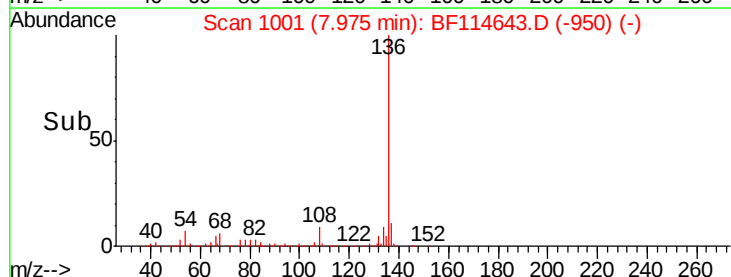
Lab File: BF114643.D

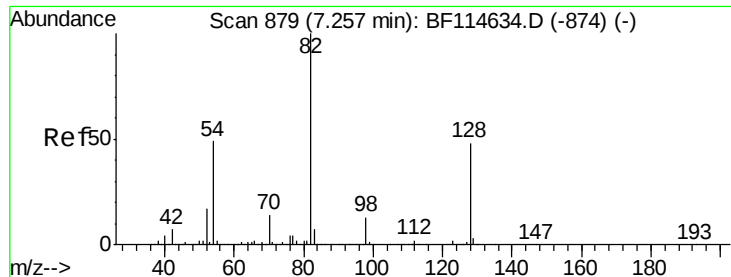
Acq: 29 May 2019 20:03

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 136   | Resp: | 1176350 |
| Ion Ratio | Lower | Upper |         |
| 136       | 100   |       |         |
| 137       | 11.2  | 9.3   | 13.9    |
| 54        | 6.8   | 6.3   | 9.5     |
| 68        | 5.6   | 5.4   | 8.0     |



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





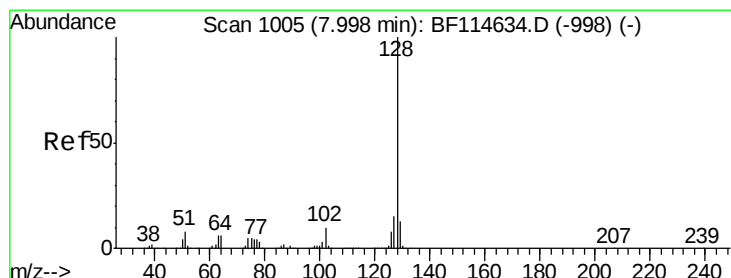
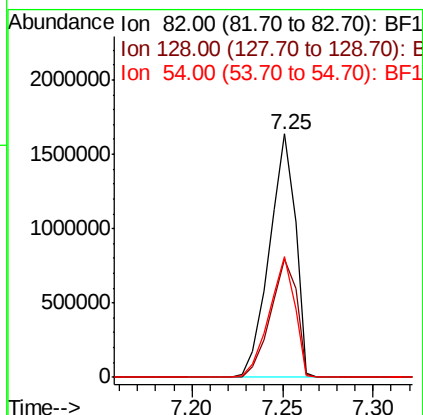
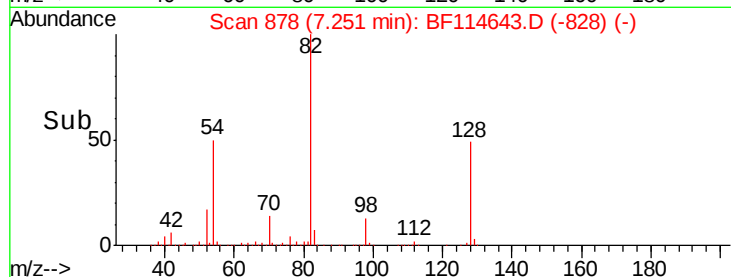
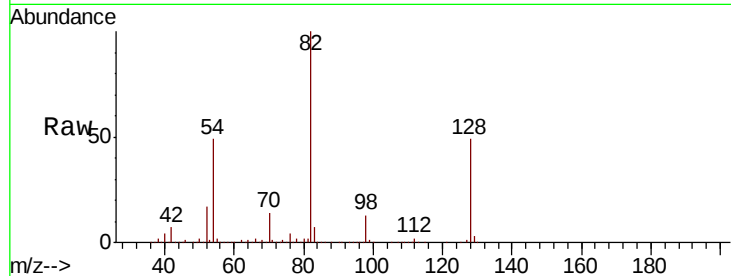
#23  
Nitrobenzene-d5  
Concen: 86.465 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.7  | 38.5  | 57.7  |
| 54      | 49.5  | 39.1  | 58.7  |

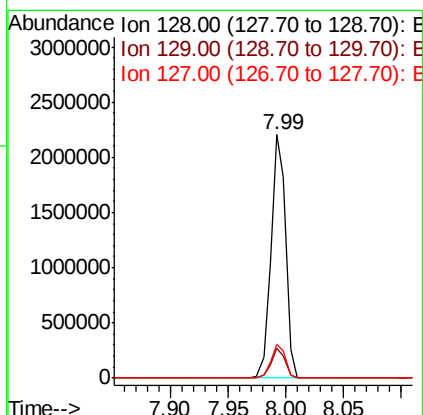
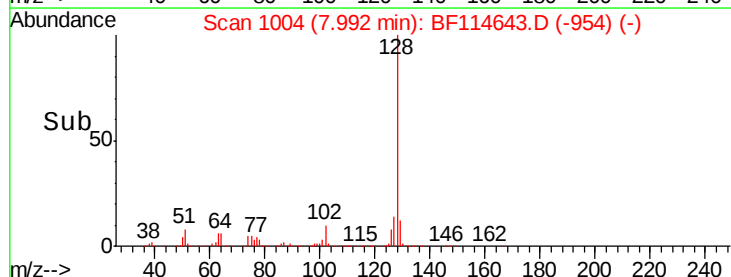
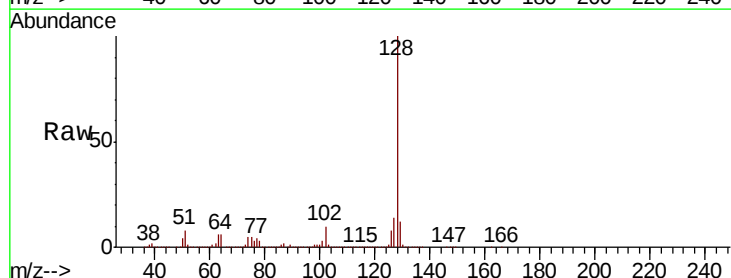
Manual Integrations  
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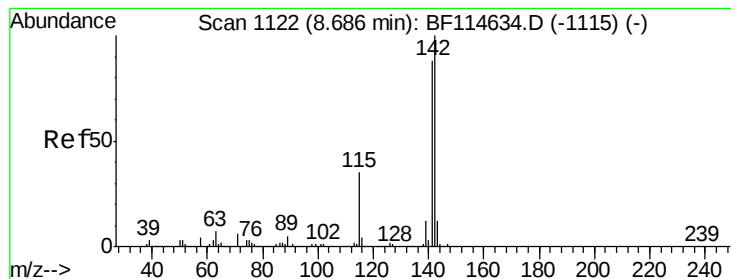
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#31  
Naphthalene  
Concen: 36.091 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.2  | 10.2  | 15.2  |
| 127     | 14.1  | 11.9  | 17.9  |





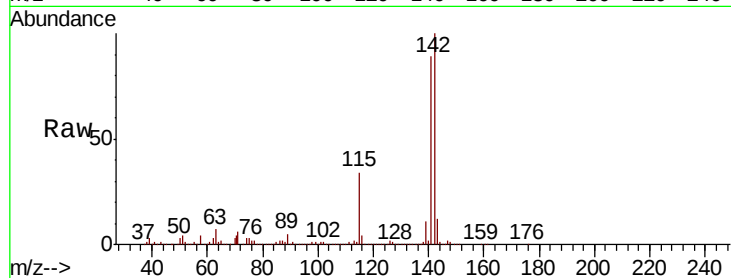
#37  
2-Methylnaphthalene  
Concen: 25.307 ng  
RT: 8.68 min Scan# 1121  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampled :  
TP-2-D

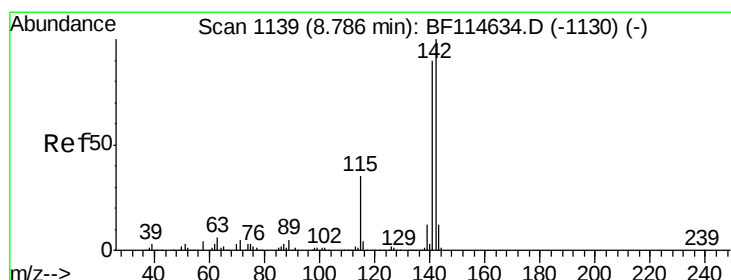
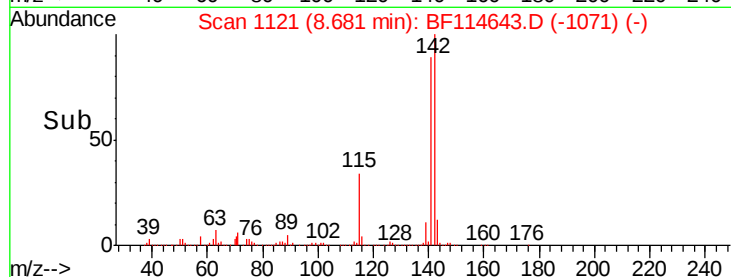
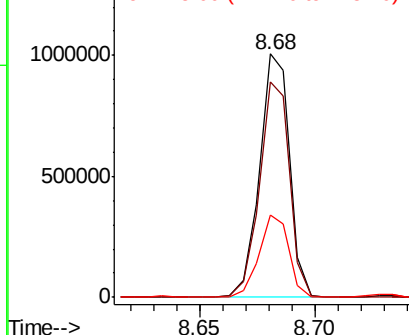
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.6  | 70.3  | 105.5 |
| 115     | 34.0  | 28.0  | 42.0  |

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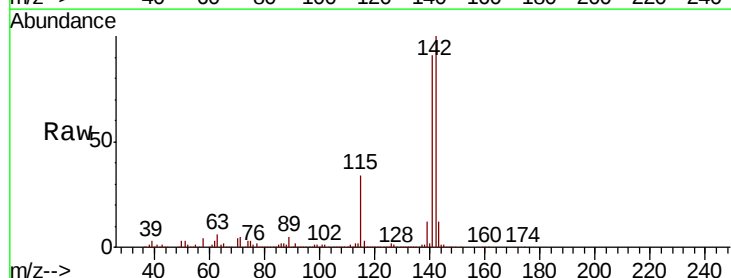


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

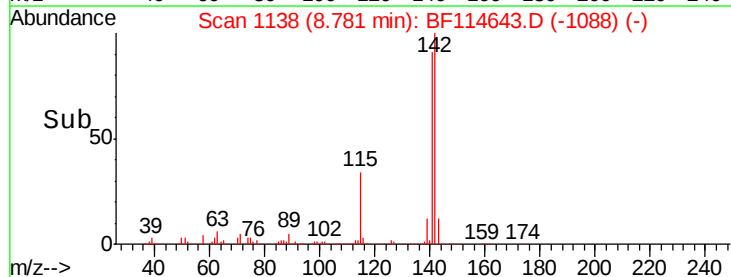
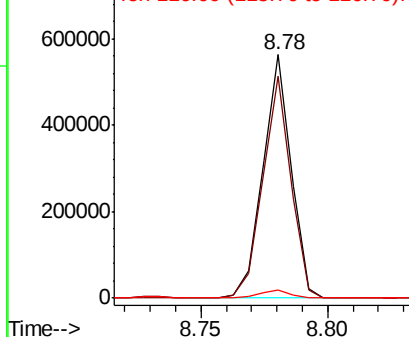


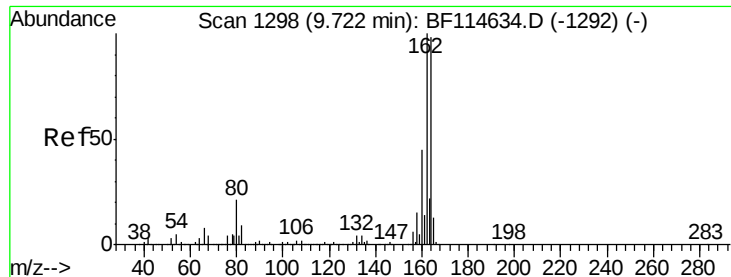
#38  
1-Methylnaphthalene  
Concen: 12.753 ng  
RT: 8.78 min Scan# 1138  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.3  | 72.3  | 108.5 |
| 116     | 3.5   | 3.0   | 4.4   |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





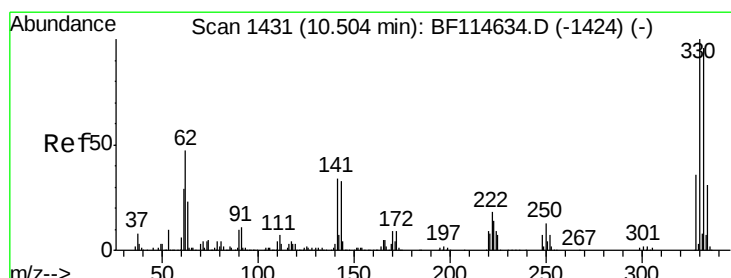
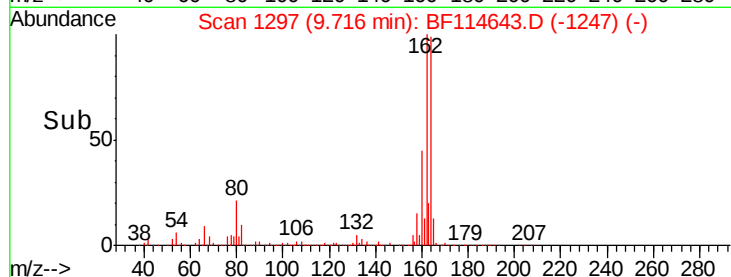
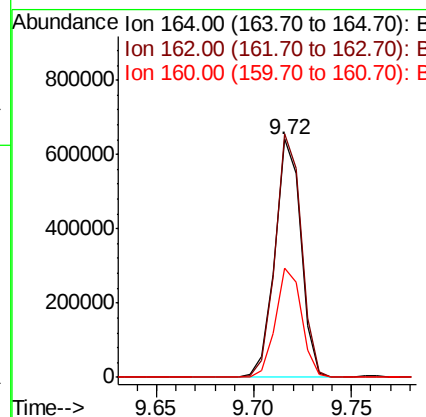
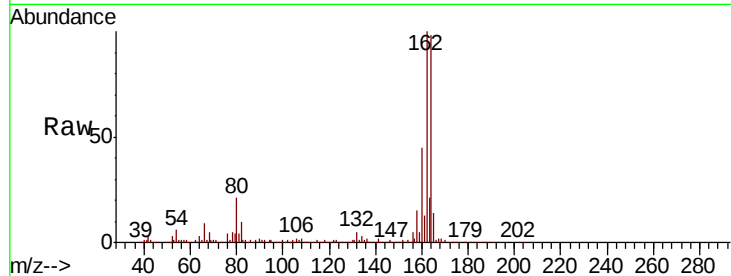
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-D

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 593111 |       |       |
| 162     | 102.1 | 81.4   | 122.2 |       |
| 160     | 45.9  | 36.6   | 54.8  |       |

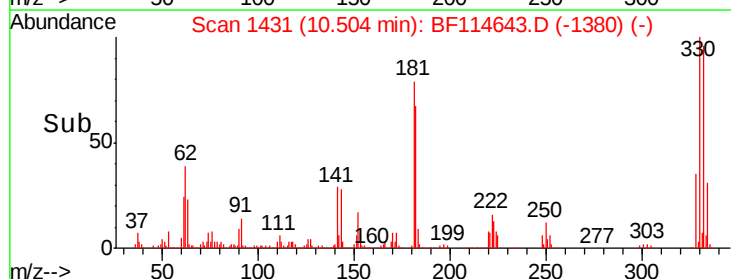
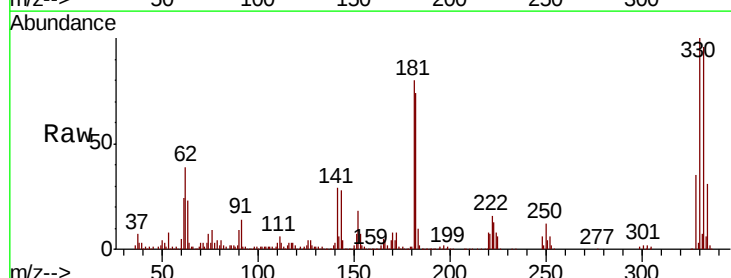
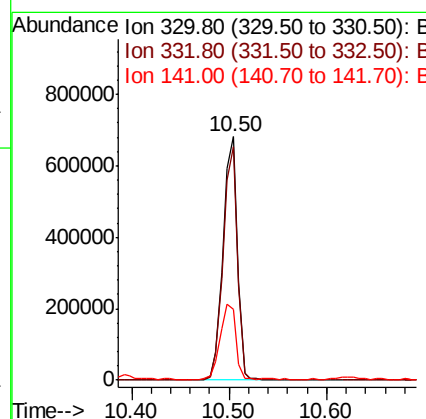
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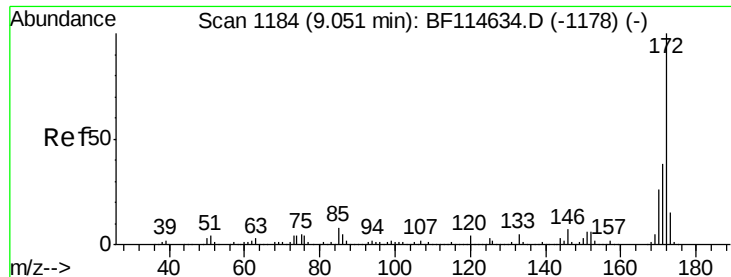
mohammad  
5/30/2019 12:47:52 PM



#42  
2,4,6-Tribromophenol  
Concen: 123.966 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 700582 |       |       |
| 332     | 95.1  | 75.8   | 113.8 |       |
| 141     | 33.7  | 27.8   | 41.8  |       |





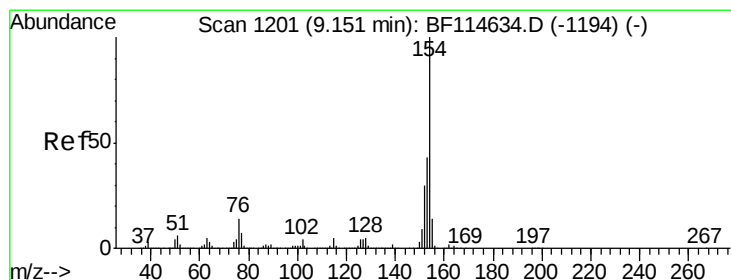
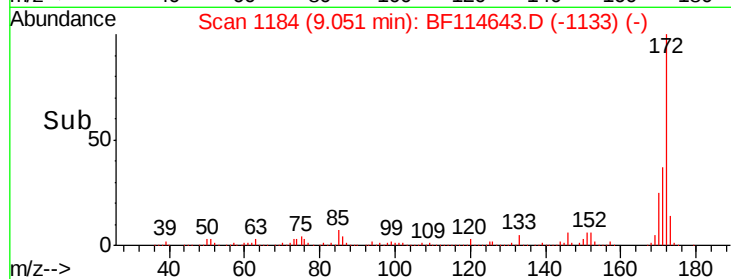
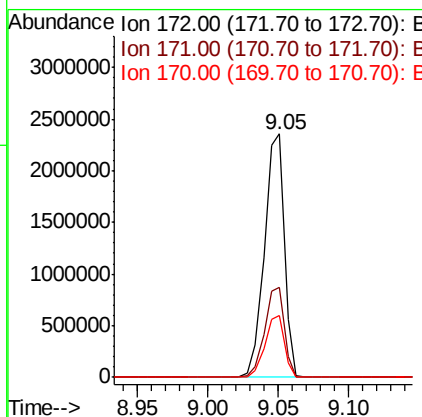
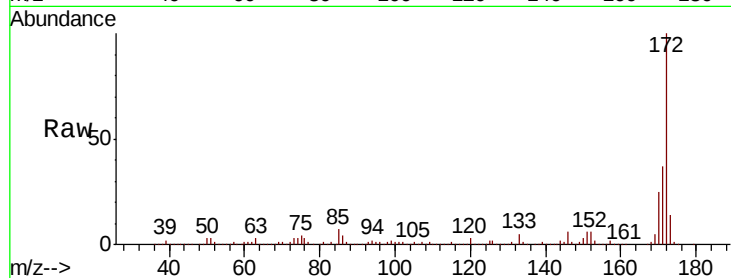
#45  
2-Fluorobiphenyl  
Concen: 72.325 ng  
RT: 9.05 min Scan# 1184  
Delta R.T. 0.00 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 30.6  | 45.8  |
| 170     | 25.4  | 20.7  | 31.1  |

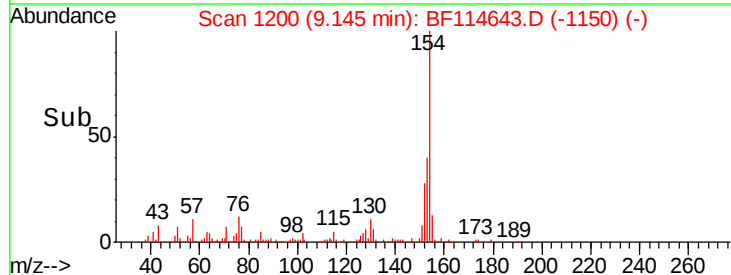
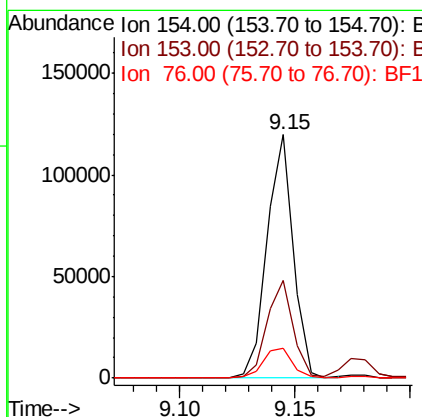
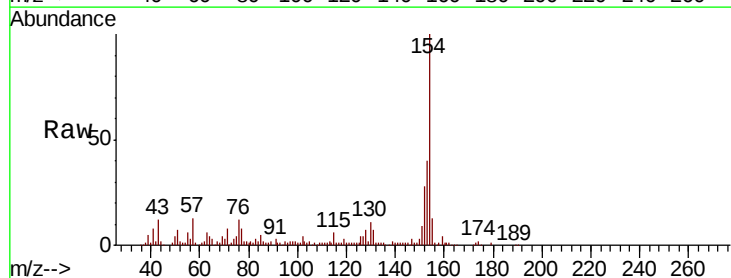
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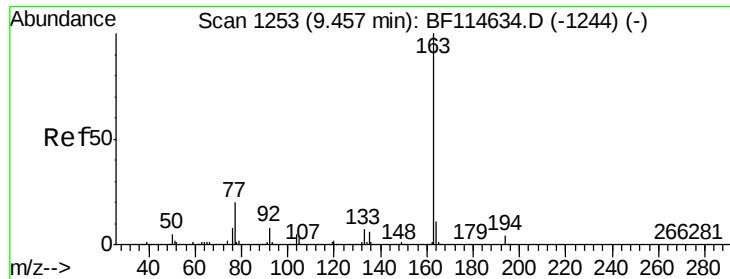
mohammad  
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#46  
1,1'-Biphenyl  
Concen: 2.160 ng  
RT: 9.15 min Scan# 1200  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.3  | 23.0  | 63.0  |
| 76      | 12.4  | 0.0   | 33.9  |





#50

Dimethylphthalate

Concen: 9.294 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

Instrument :

BNA\_F

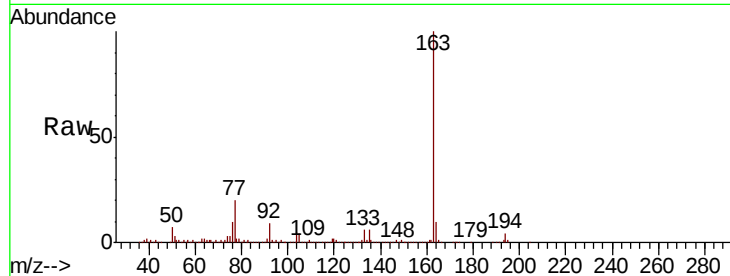
ClientSampleId :

TP-2-D

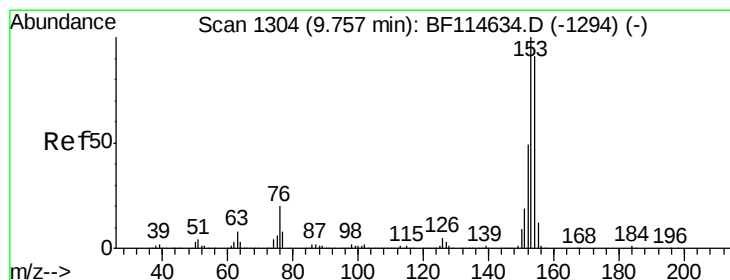
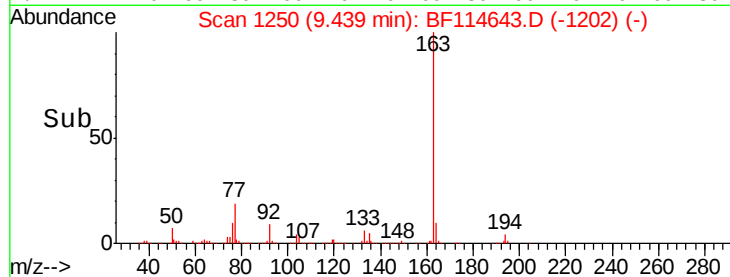
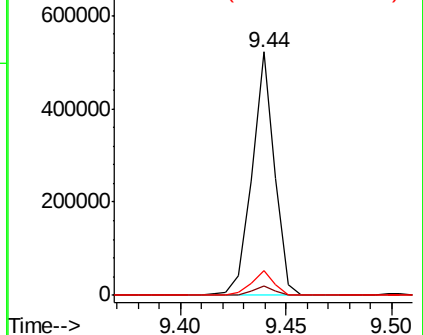
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 384113 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.9   | 3.4   | 5.0    |
| 164       | 10.0  | 8.6   | 13.0   |

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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



#52

Acenaphthene

Concen: 43.359 ng

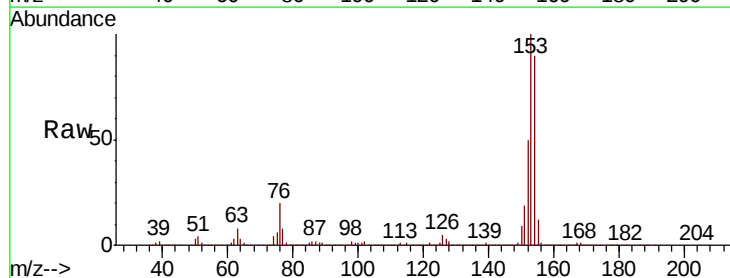
RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

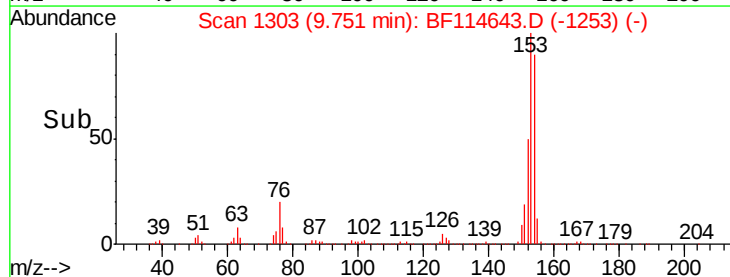
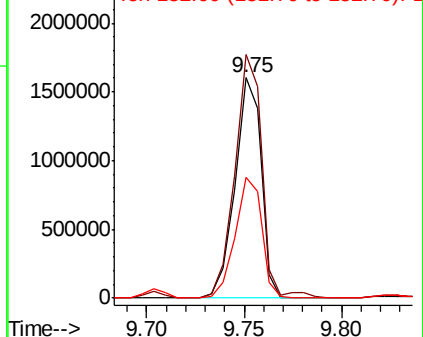
Lab File: BF114643.D

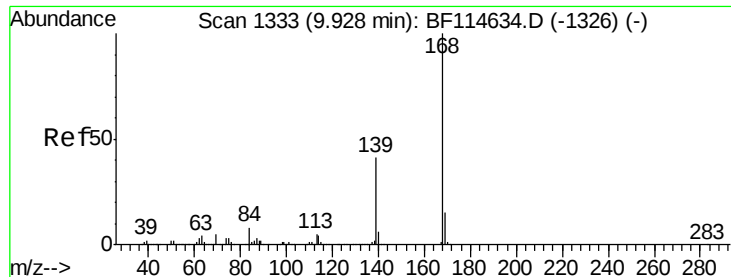
Acq: 29 May 2019 20:03

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 154   | Resp: | 1483619 |
| Ion Ratio | Lower | Upper |         |
| 154       | 100   |       |         |
| 153       | 110.7 | 88.4  | 132.6   |
| 152       | 54.9  | 43.4  | 65.0    |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





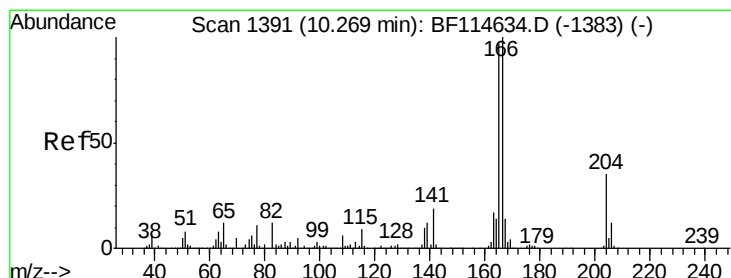
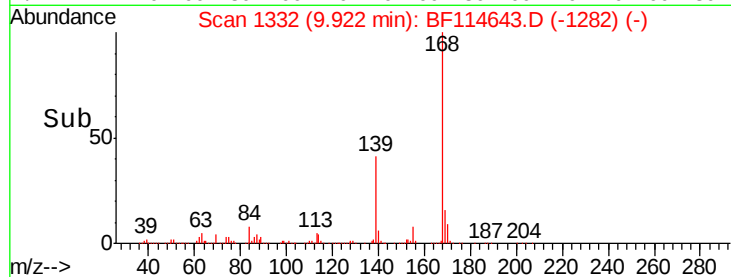
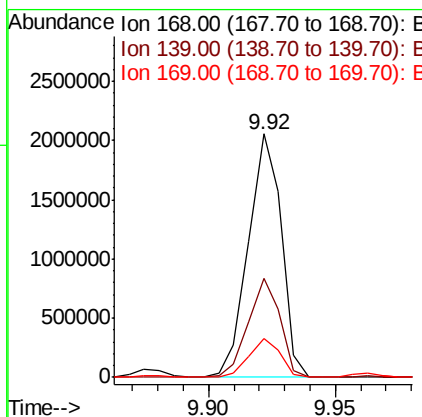
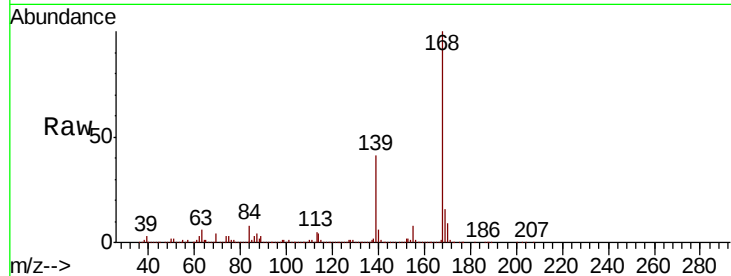
#55  
Dibenzenofuran  
Concen: 38.237 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampled :  
TP-2-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.7  | 32.6  | 48.8  |
| 169     | 15.8  | 11.8  | 17.8  |

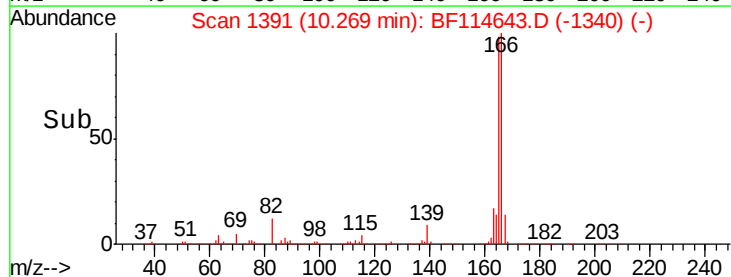
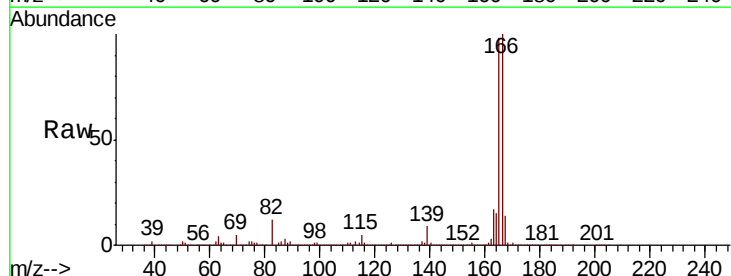
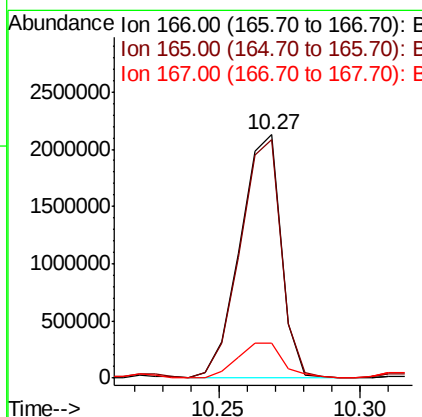
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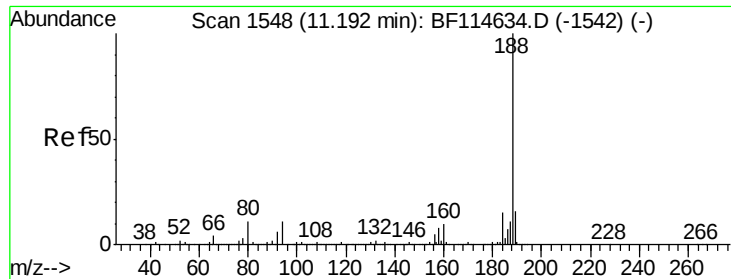
mohammad  
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#58  
Fluorene  
Concen: 80.316 ng  
RT: 10.27 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.2  | 77.6  | 116.4 |
| 167     | 14.2  | 11.2  | 16.8  |





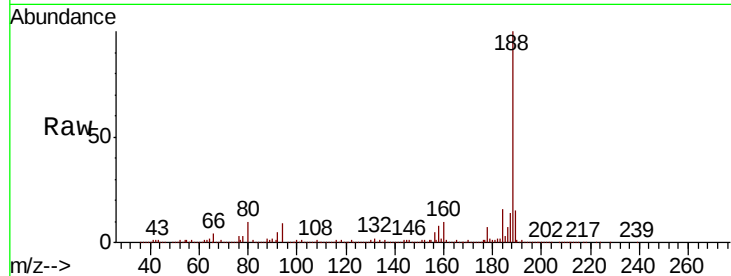
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. 0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampleID :  
TP-2-D

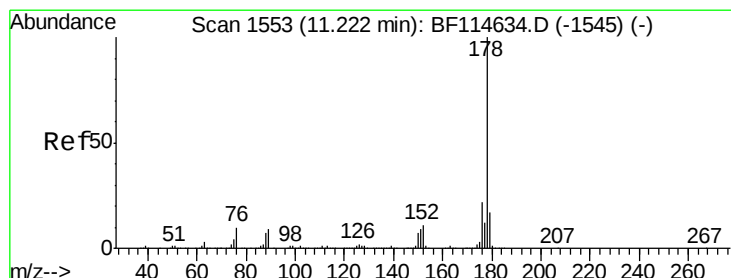
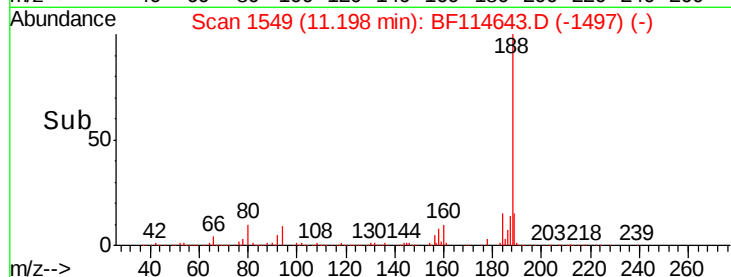
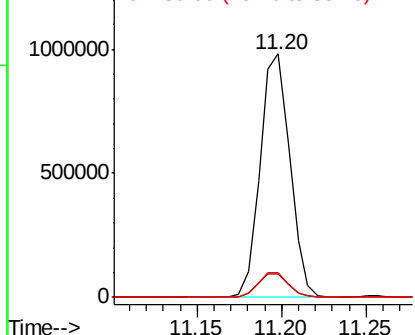
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.4   | 8.6   | 13.0  |
| 80      | 10.1  | 9.0   | 13.6  |

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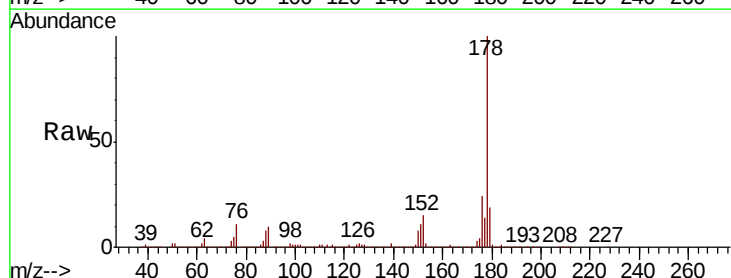


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

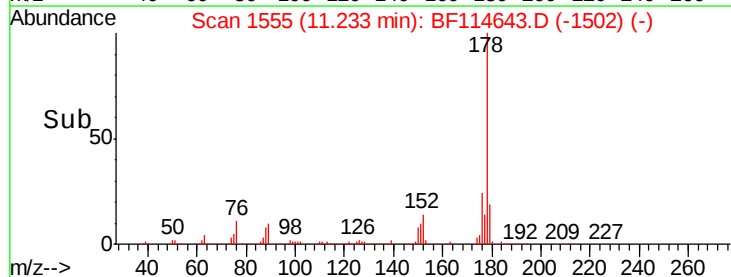
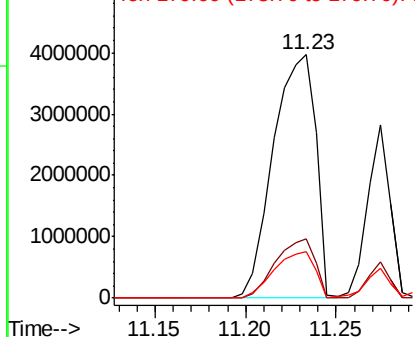


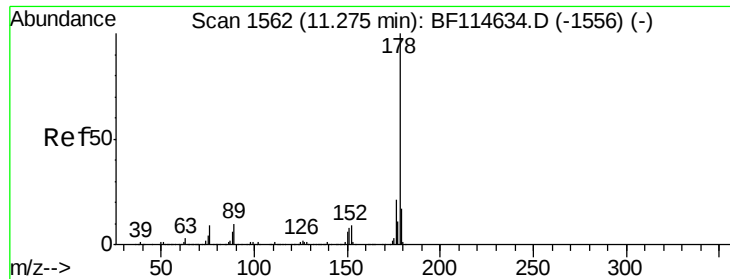
#71  
Phenanthrene  
Concen: 106.561 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. 0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 24.3  | 17.2  | 25.8  |
| 179     | 19.1  | 13.9  | 20.9  |



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 38.829 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

Instrument :

BNA\_F

ClientSampled :

TP-2-D

Tot Ion:178 Resp: 2405425

Ion Ratio Lower Upper

178 100

176 21.0 16.6 24.8

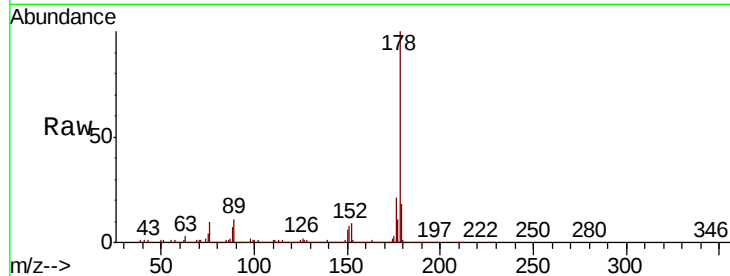
179 17.6 13.4 20.0

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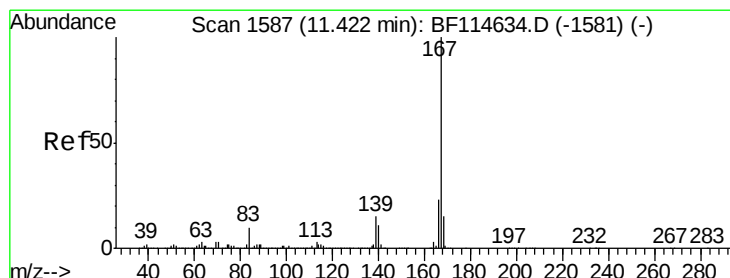
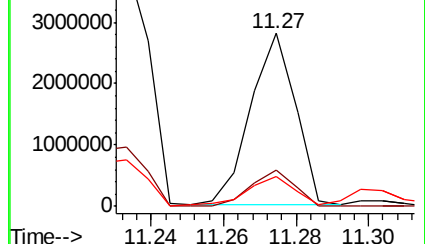
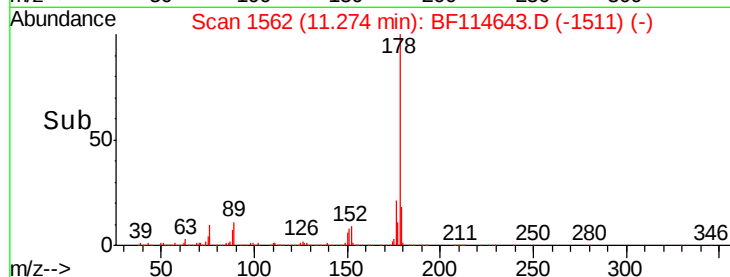
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 12.154 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

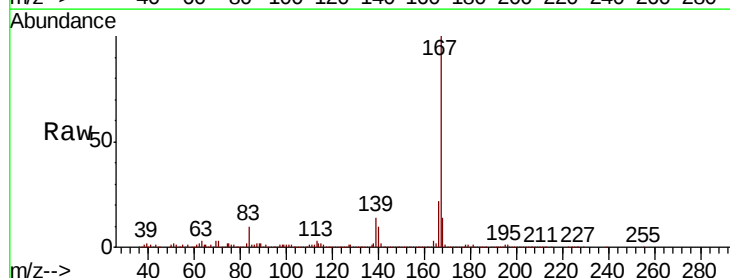
Tgt Ion:167 Resp: 661744

Ion Ratio Lower Upper

167 100

166 21.9 18.7 28.1

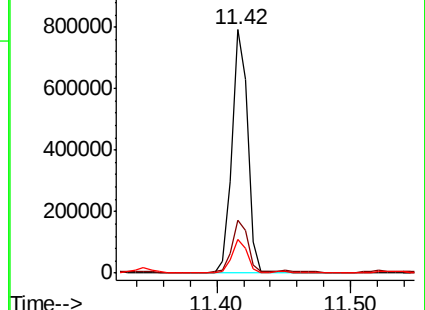
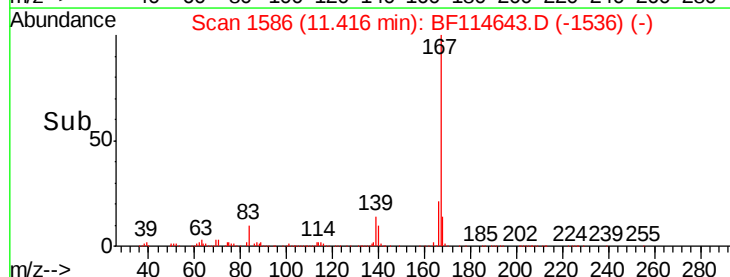
139 13.8 11.8 17.8

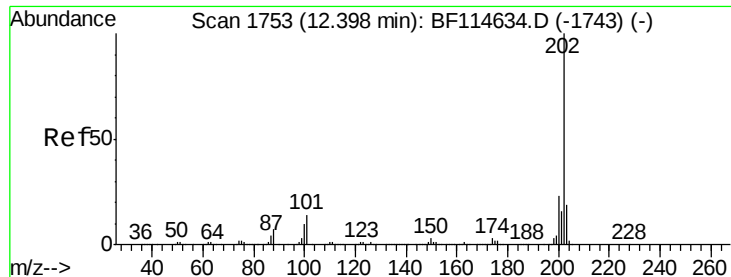


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 51.724 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.01 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

Instrument :

BNA\_F

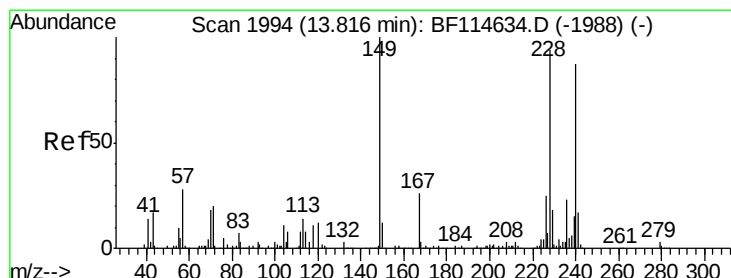
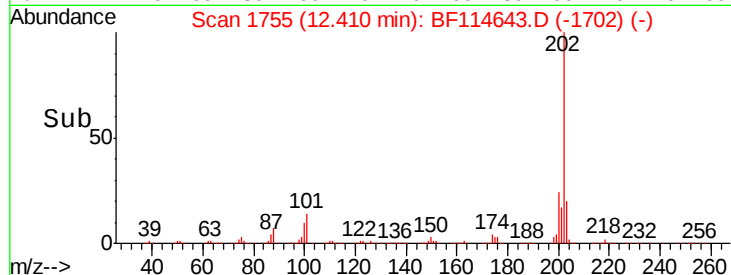
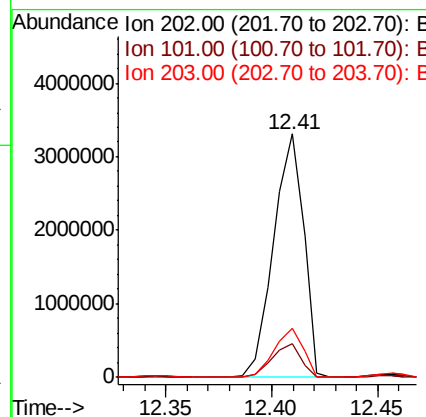
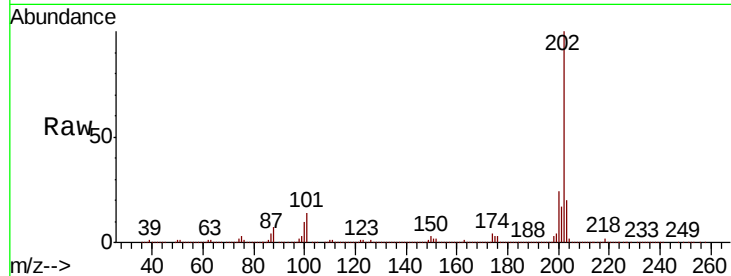
ClientSampleId :

TP-2-D

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 3278310 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 14.0  | 0.0   | 33.9    |
| 203      | 20.4  | 0.0   | 39.1    |

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#76

Chrysene-d12

Concen: 20.000 ng

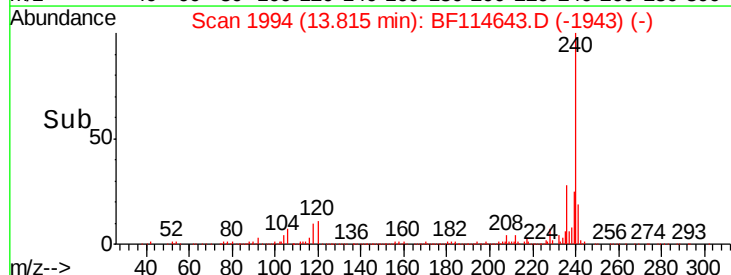
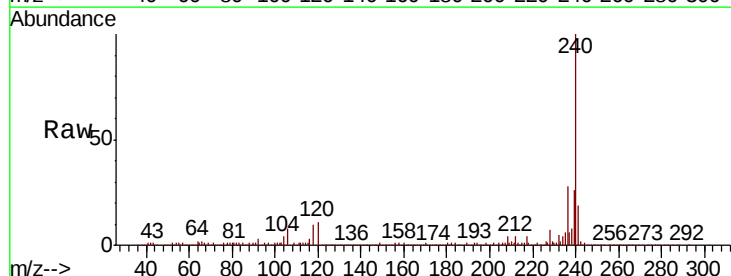
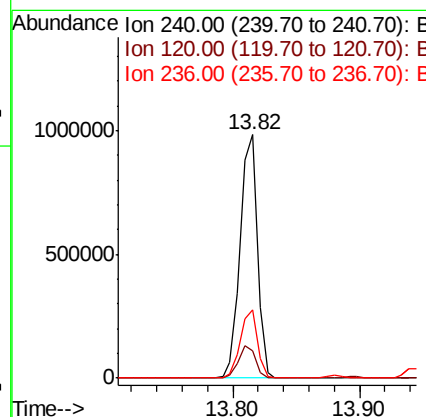
RT: 13.82 min Scan# 1994

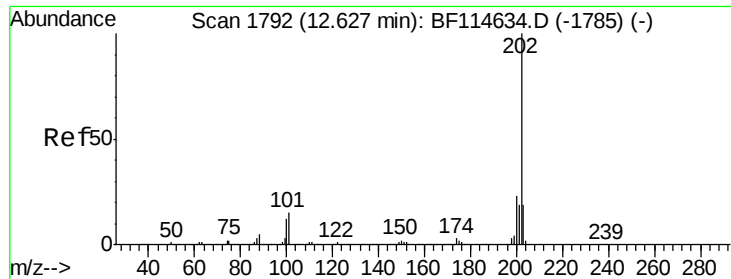
Delta R.T. -0.00 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 913793 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 11.3  | 11.2  | 16.8   |
| 236      | 27.8  | 21.2  | 31.8   |





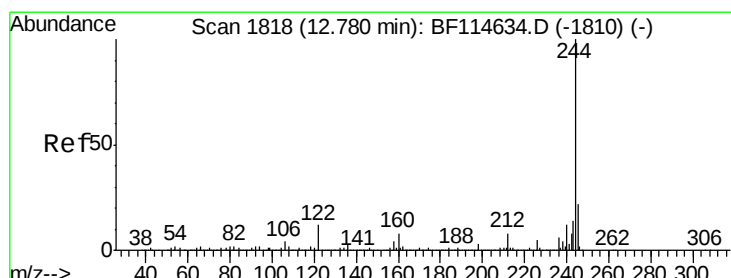
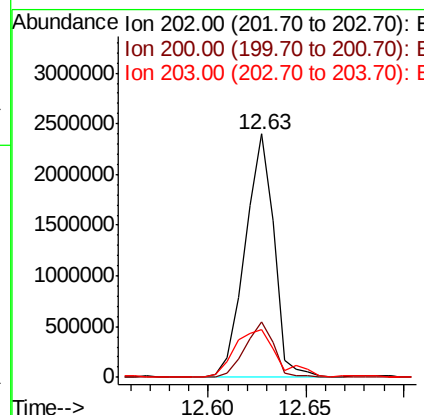
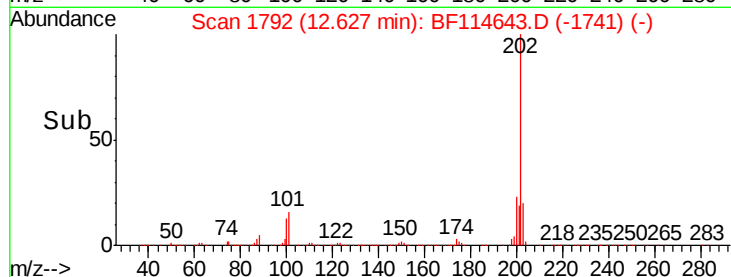
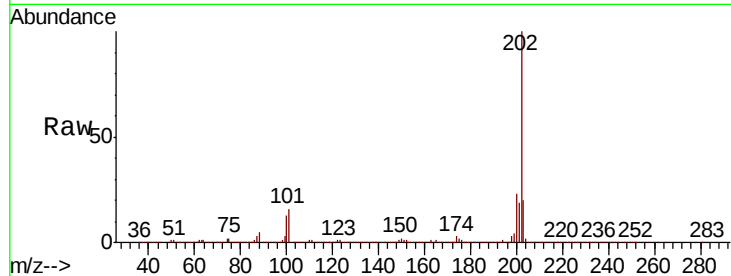
#78  
Pvrene  
Concen: 31.616 ng  
RT: 12.63 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.0  | 18.6  | 28.0  |
| 203     | 19.8  | 15.4  | 23.2  |

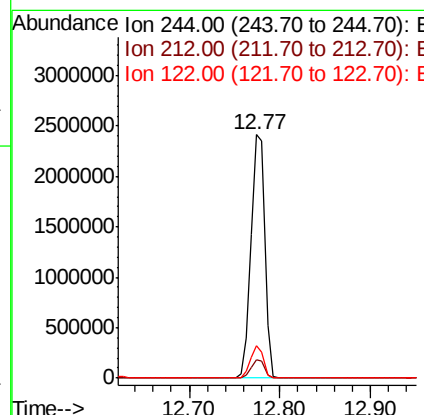
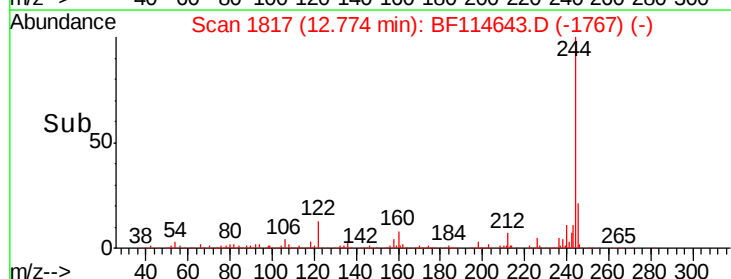
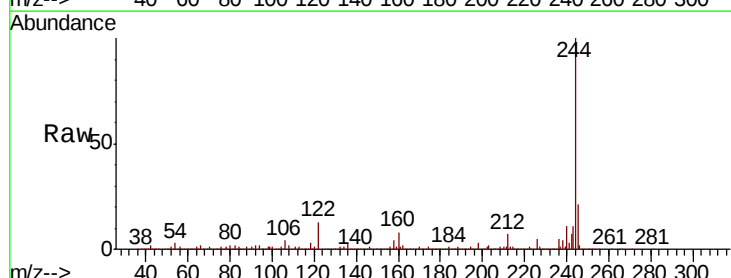
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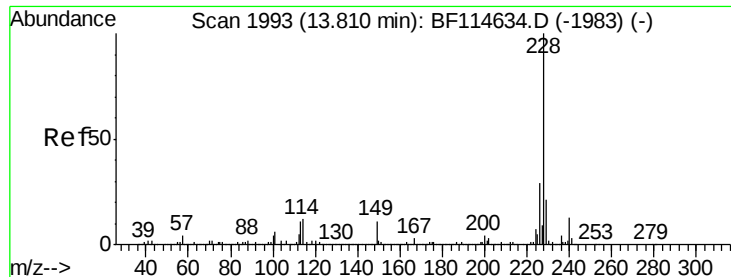
mohammad  
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#79  
Terphenyl-d14  
Concen: 52.387 ng  
RT: 12.77 min Scan# 1817  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 6.1   | 9.1   |
| 122     | 13.4  | 9.8   | 14.8  |





#81

Benzo(a)anthracene

Concen: 7.106 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

Instrument :

BNA\_F

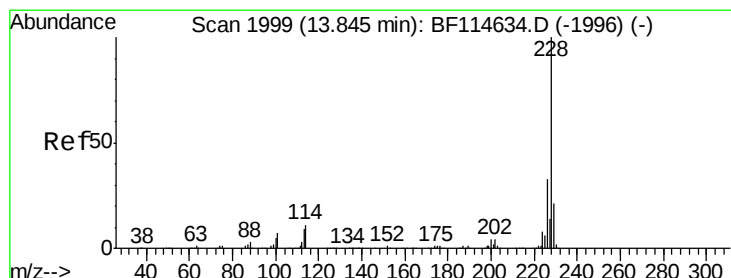
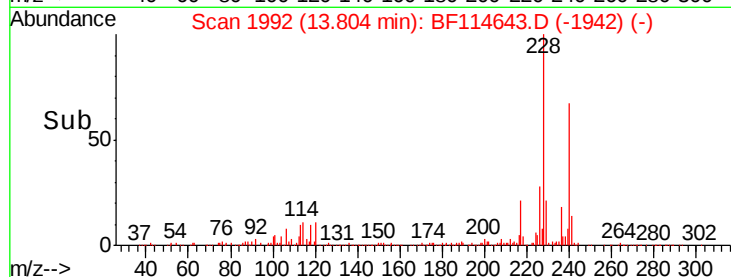
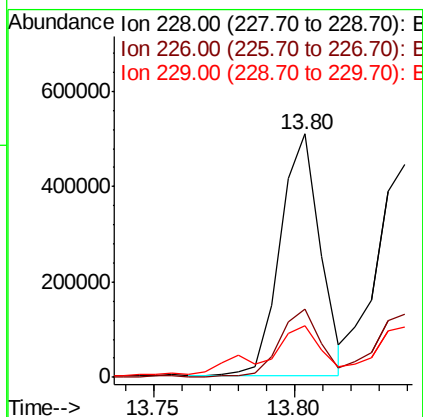
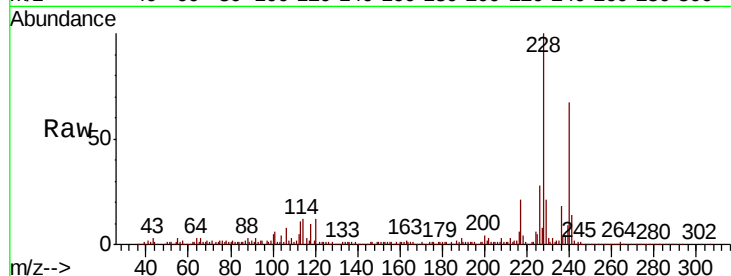
ClientSampleId :

TP-2-D

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 228  | Resp: | 499028 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 28.0 | 23.0  | 34.6   |
| 229       | 21.4 | 17.0  | 25.4   |

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#83

Chrysene

Concen: 6.533 ng

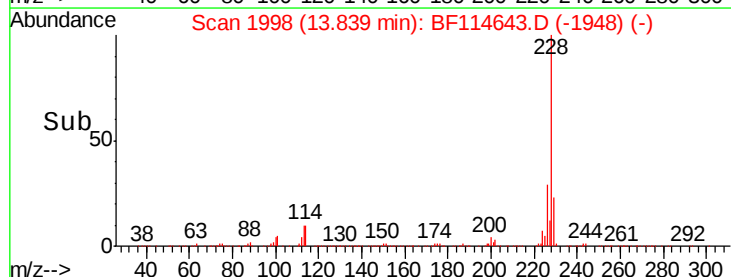
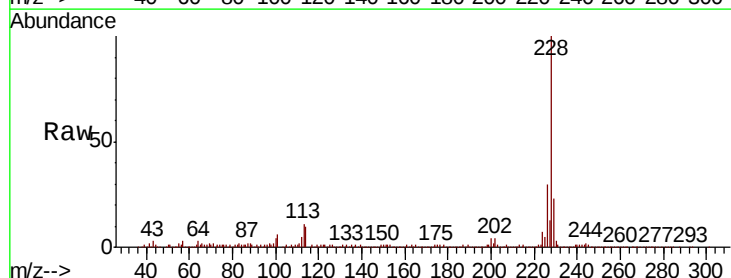
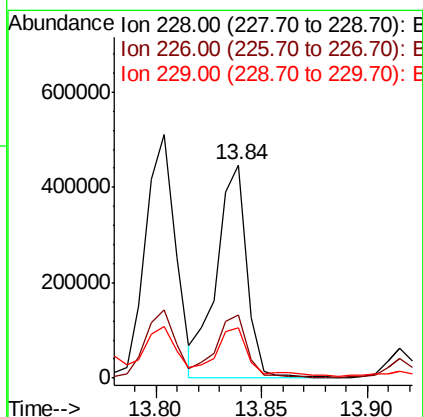
RT: 13.84 min Scan# 1998

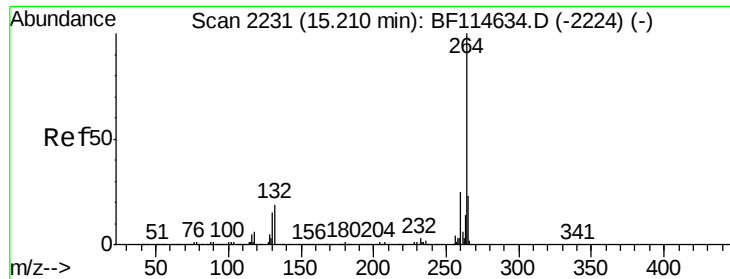
Delta R.T. -0.01 min

Lab File: BF114643.D

Acq: 29 May 2019 20:03

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 228  | Resp: | 438313 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 29.8 | 26.4  | 39.6   |
| 229       | 23.5 | 17.1  | 25.7   |





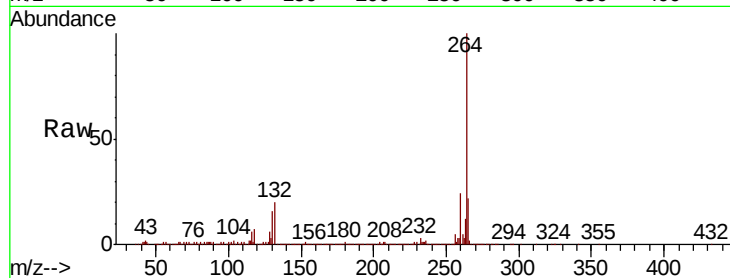
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.20 min Scan# 2229  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.7  | 29.5  |
| 265     | 22.0  | 18.1  | 27.1  |

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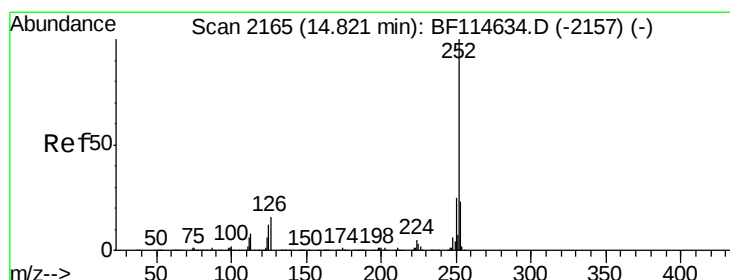
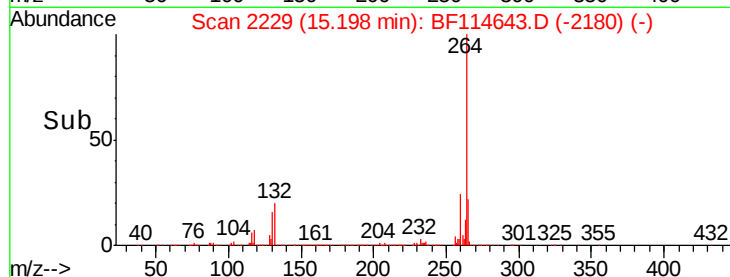
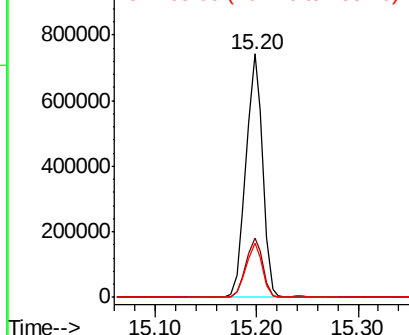


Abundance

Ion 264.00 (263.70 to 264.70): E

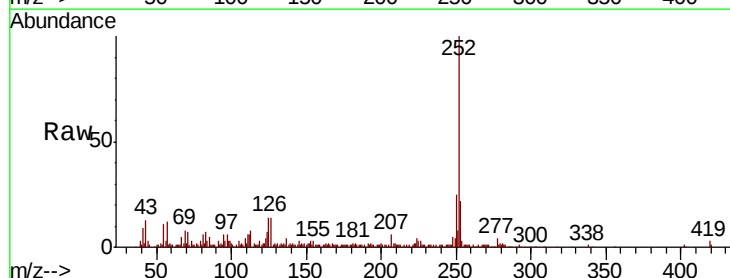
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88  
Benzo(b)fluoranthene  
Concen: 2.906 ng m  
RT: 14.81 min Scan# 2163  
Delta R.T. -0.01 min  
Lab File: BF114643.D  
Acq: 29 May 2019 20:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.7  | 28.1  |
| 125     | 14.2  | 9.4   | 14.2# |

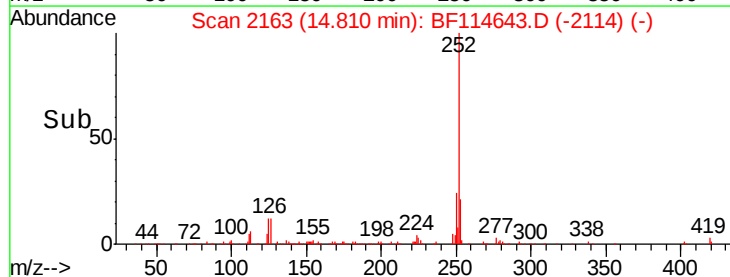
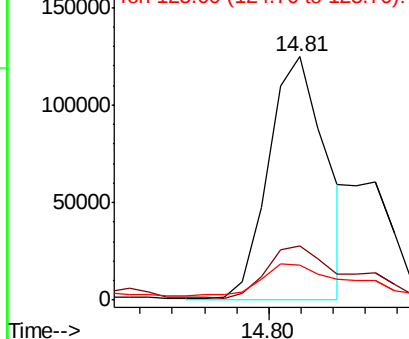


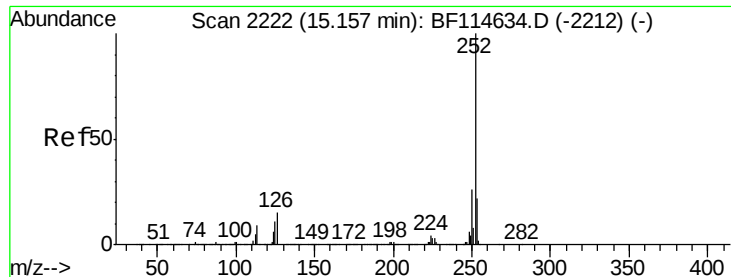
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90  
 Benzo(a)pyrene  
 Concen: 2.065 ng  
 RT: 15.14 min Scan# 2219  
 Delta R.T. -0.02 min  
 Lab File: BF114643.D  
 Acq: 29 May 2019 20:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 18.0  | 27.0  |
| 125     | 13.4  | 9.2   | 13.8  |

Manual Integrations  
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