

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
 Data File : BF120736.D  
 Acq On : 29 Jun 2020 19:18  
 Operator : JU/CG  
 Sample : L3128-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-61

Manual Integrations  
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Quant Time: Jun 30 01:51:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 29 15:30:14 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 52527    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.08  | 136  | 184934   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 190343   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.32 | 188  | 437660   | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12          | 13.96 | 240  | 311468   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.42 | 264  | 344330   | 20.00 | ng    | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.48  | 112  | 306454   | 100.02 | ng    | 0.08     |
| 7) Phenol-d6                | 6.51  | 99   | 367298   | 96.25  | ng    | 0.08     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 242663   | 73.35  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 237158   | 107.17 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 518436   | 41.67  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.91 | 244  | 1133787  | 80.41  | ng    | 0.01     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 13) 1,4-Dichlorobenzene        | 6.82  | 146  | 19992    | 5.505  | ng    | 94     |
| 50) Dimethylphthalate          | 9.55  | 163  | 43849    | 3.199  | ng    | 99     |
| 60) Diethylphthalate           | 10.25 | 149  | 28327    | 2.098  | ng    | 98     |
| 71) Phenanthrene               | 11.34 | 178  | 43593    | 2.004  | ng    | # 95   |
| 75) Fluoranthene               | 12.53 | 202  | 66455    | 2.672  | ng    | 97     |
| 78) Pyrene                     | 12.76 | 202  | 72188    | 3.272  | ng    | 96     |
| 83) Chrysene                   | 13.99 | 228  | 38912    | 2.027  | ng    | # 90   |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 555154   | 46.428 | ng    | 99     |
| 88) Benzo(b)fluoranthene       | 14.99 | 252  | 56051m   | 2.733  | ng    |        |

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

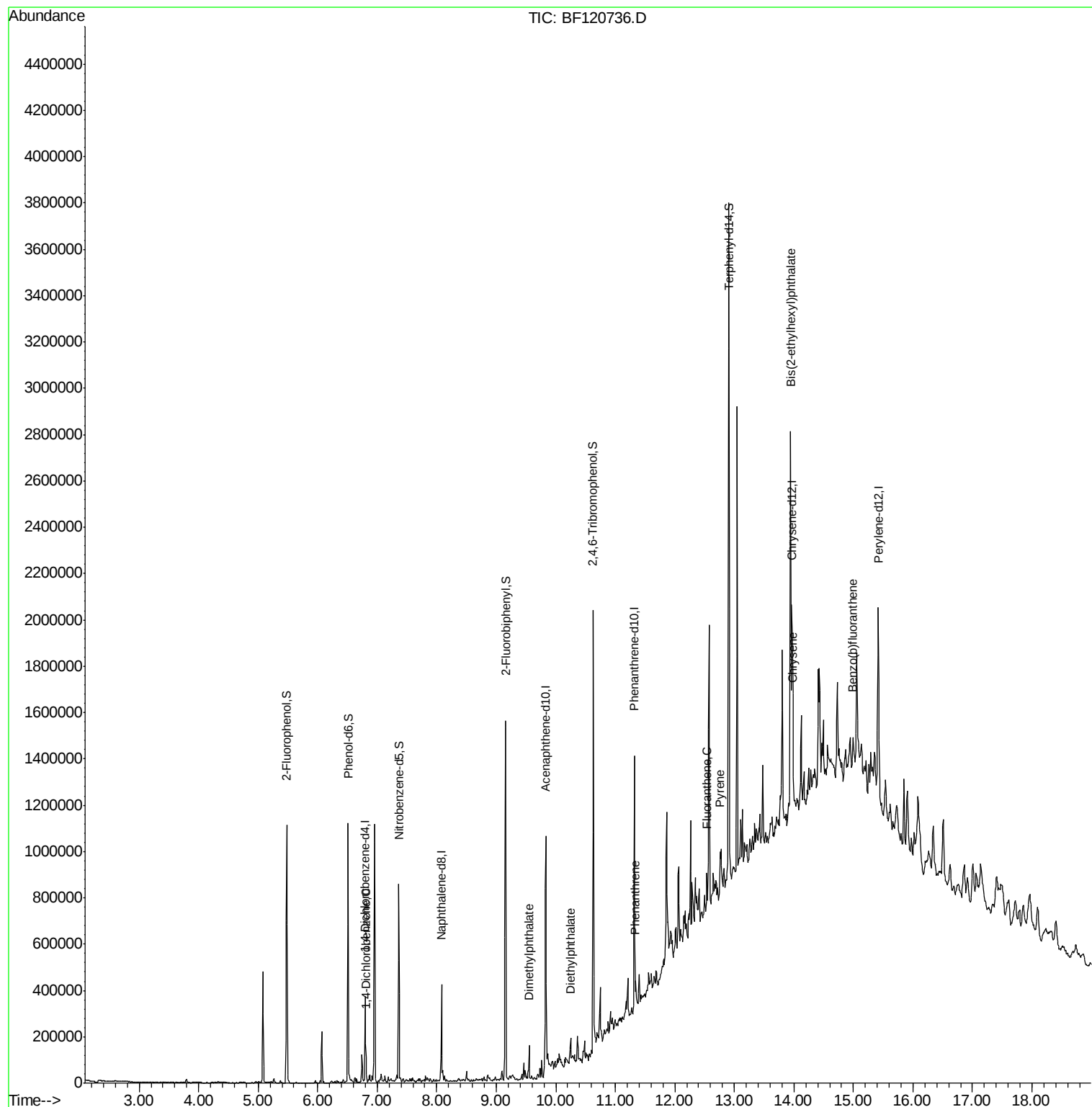
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120736.D  
Acq On : 29 Jun 2020 19:18  
Operator : JU/CG  
Sample : L3128-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

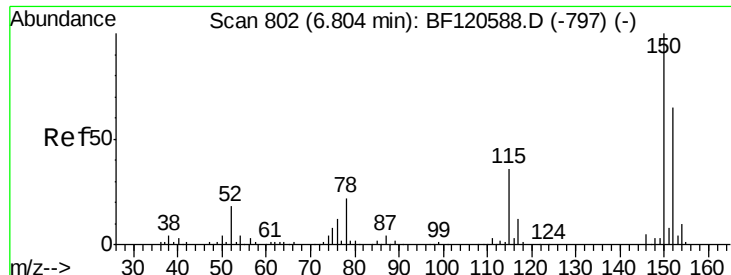
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Jun 30 01:51:34 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 29 15:30:14 2020  
Response via : Initial Calibration





#1

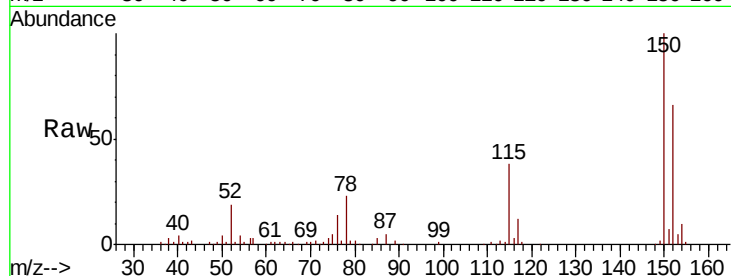
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. 0.01 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

Instrument :  
BNA\_F  
ClientSampled :  
RBR-61

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.9 | 124.6 | 187.0 |
| 115     | 56.9  | 44.2  | 66.4  |

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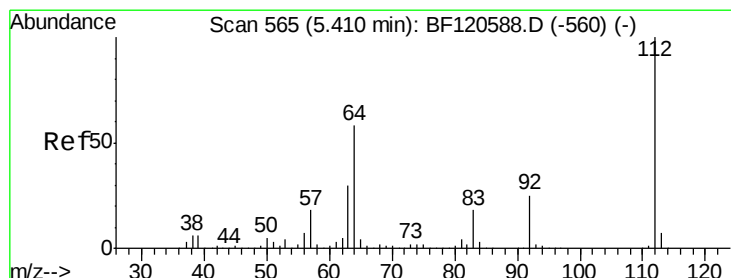
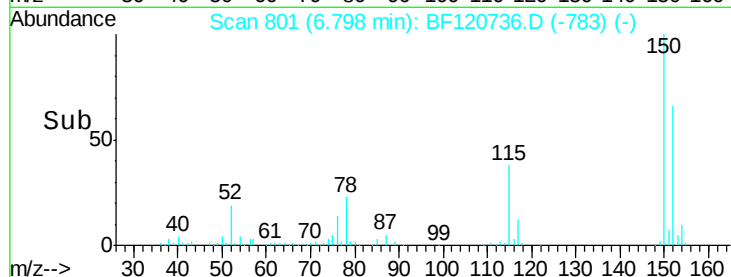
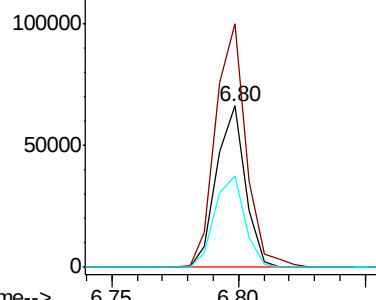


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

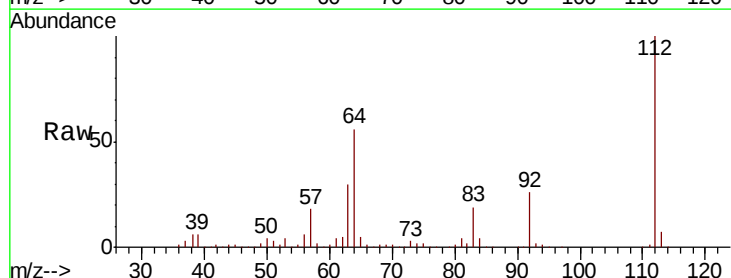
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 100.025 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.08 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.9  | 42.2  | 63.2  |
| 63      | 29.7  | 21.7  | 32.5  |

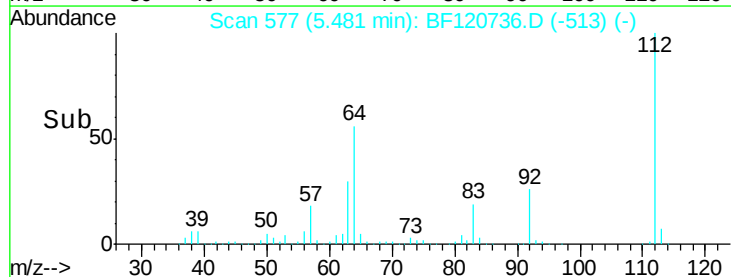
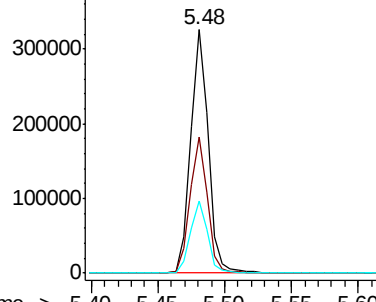


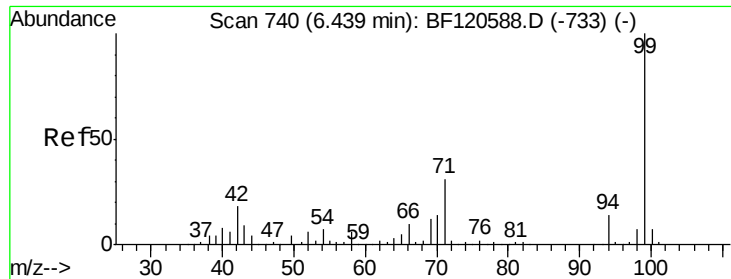
Abundance

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: 96.254 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.08 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA\_F

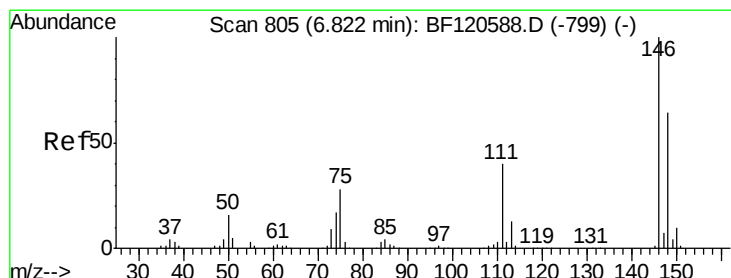
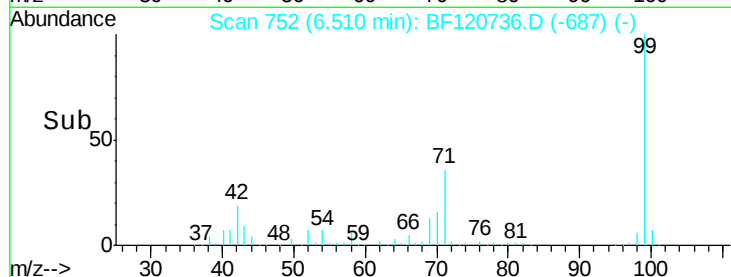
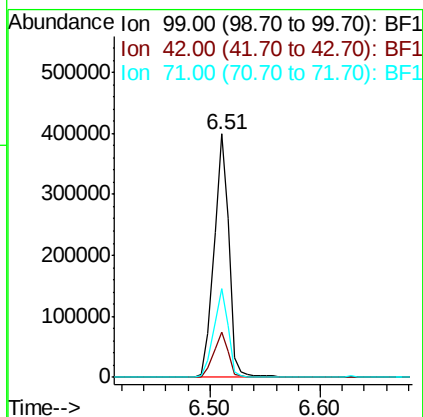
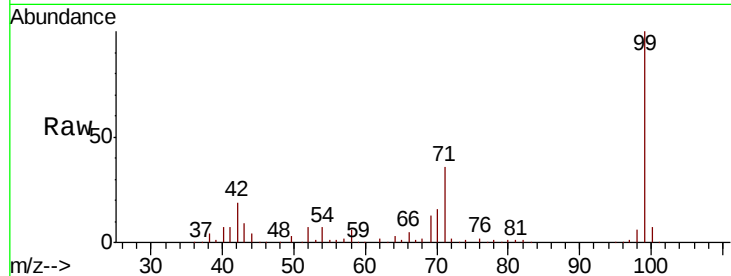
ClientSampled :

RBR-61

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 367298 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.7  | 14.2  | 21.4   |
| 71        | 36.4  | 25.4  | 38.2   |

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#13

1,4-Dichlorobenzene

Concen: 5.505 ng

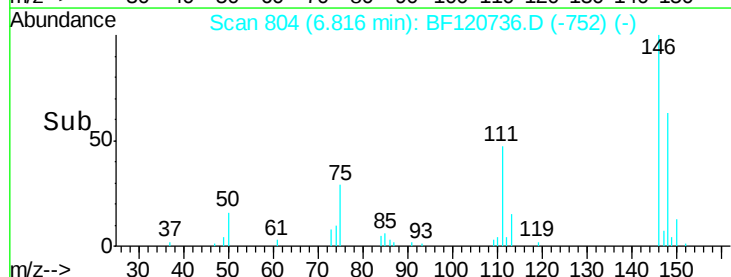
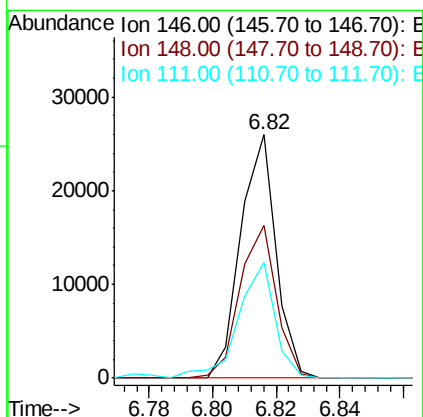
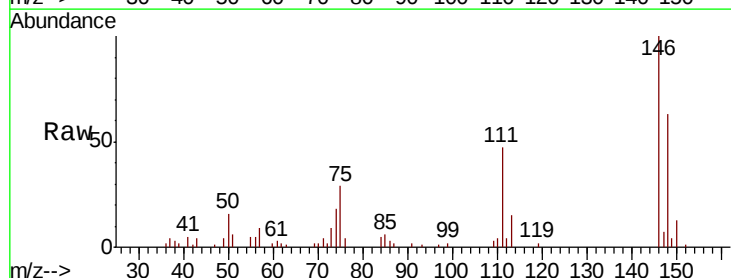
RT: 6.82 min Scan# 804

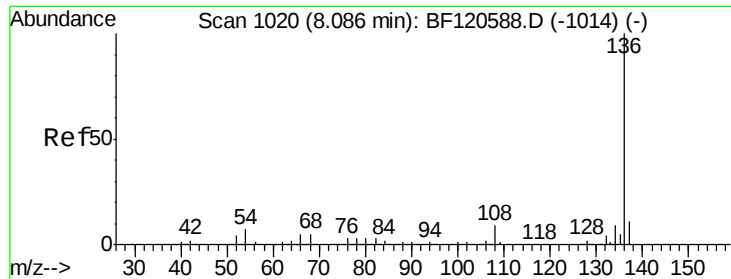
Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 19992 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 62.8  | 51.4  | 77.0  |
| 111       | 47.4  | 32.2  | 48.2  |





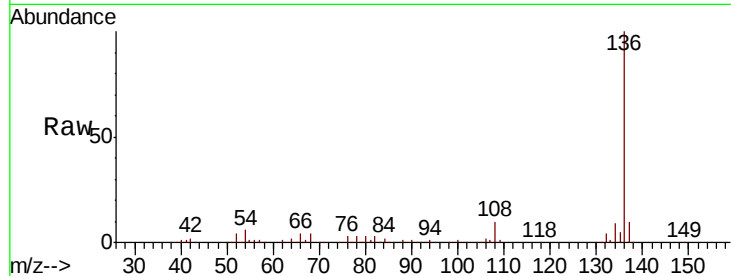
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

Instrument :  
BNA\_F  
ClientSampleId :  
RBR-61

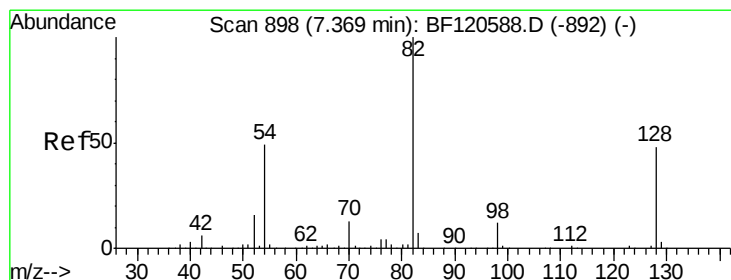
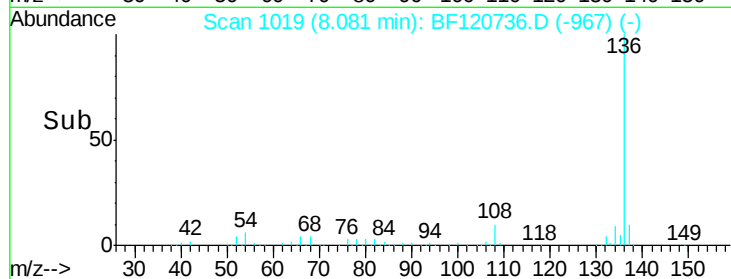
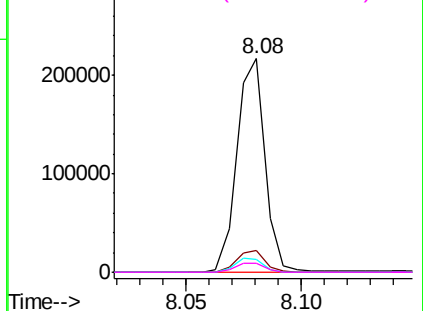
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 184934 |       |       |
| 137     | 10.3 | 8.6   | 12.8   |       |       |
| 54      | 6.1  | 5.3   | 7.9    |       |       |
| 68      | 4.2  | 4.3   | 6.5    |       |       |

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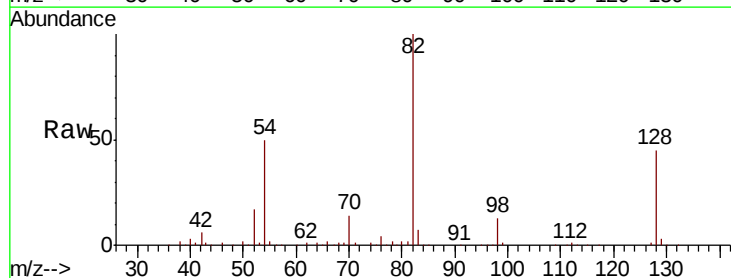


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

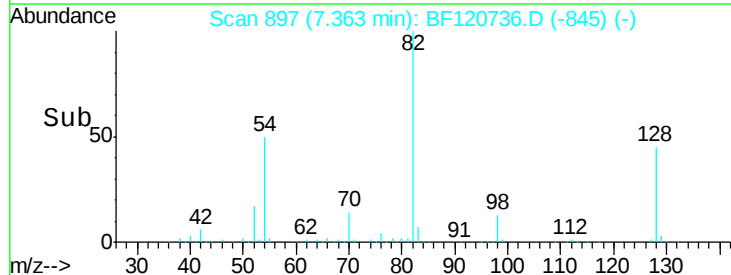
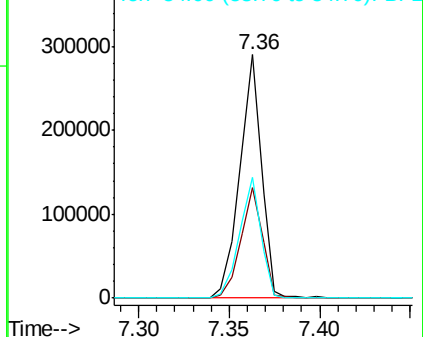


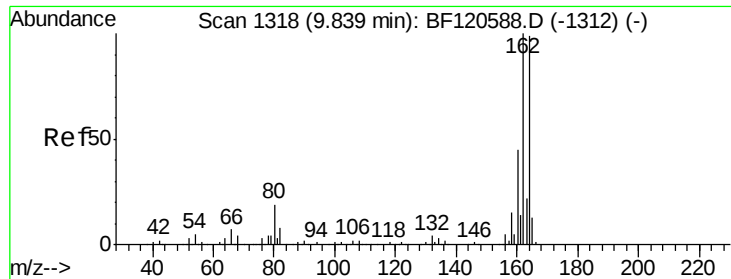
#23  
Nitrobenzene-d5  
Concen: 73.345 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.01 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 82      | 100  |       | 242663 |       |       |
| 128     | 45.3 | 38.1  | 57.1   |       |       |
| 54      | 49.5 | 38.8  | 58.2   |       |       |



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





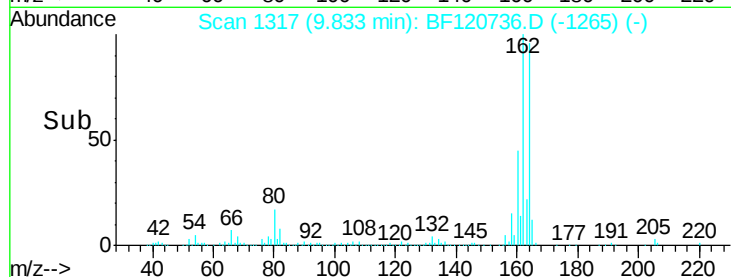
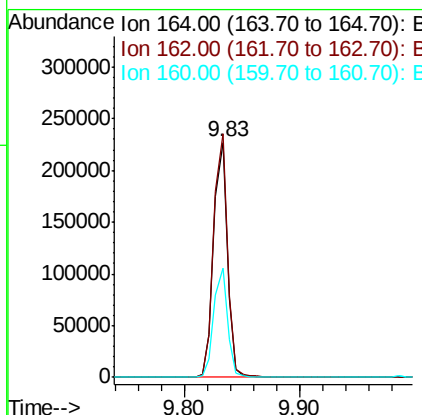
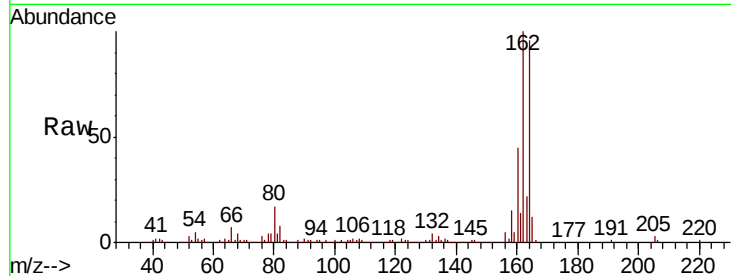
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. 0.01 min  
 Lab File: BF120736.D  
 Acq: 29 Jun 2020 19:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-61

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.7 | 81.4  | 122.0 |
| 160     | 46.3  | 36.6  | 55.0  |

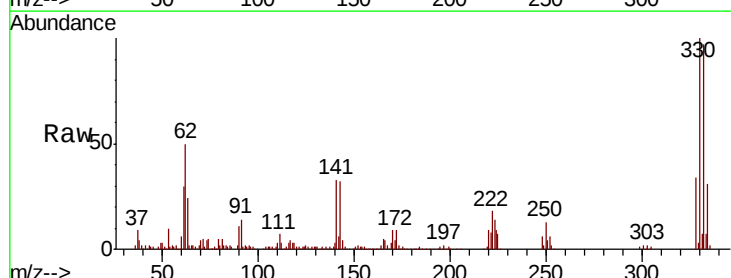
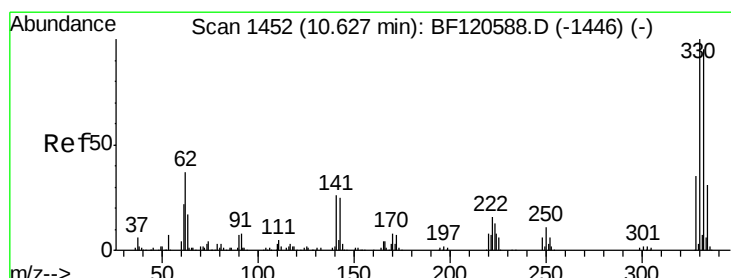
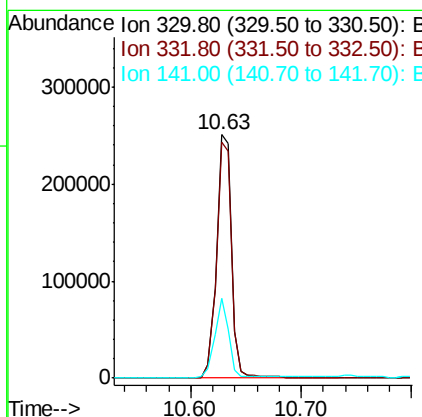
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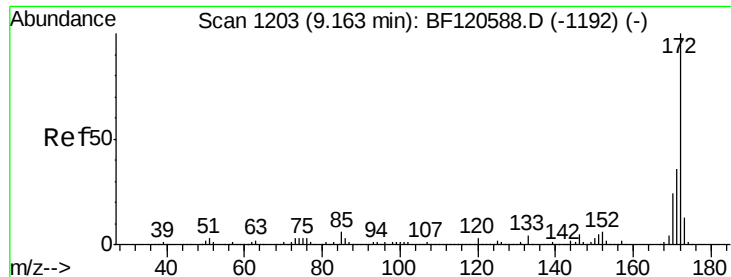
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#42  
 2,4,6-Tribromophenol  
 Concen: 107.166 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. 0.01 min  
 Lab File: BF120736.D  
 Acq: 29 Jun 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 76.4  | 114.6 |
| 141     | 30.4  | 23.0  | 34.6  |





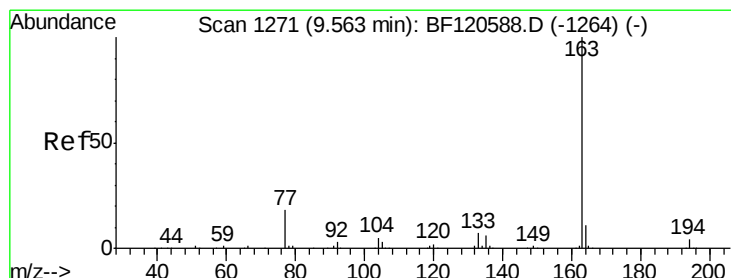
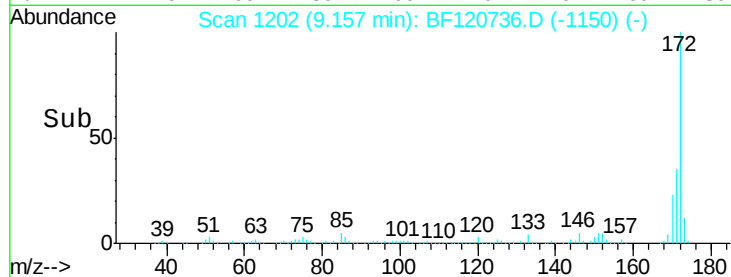
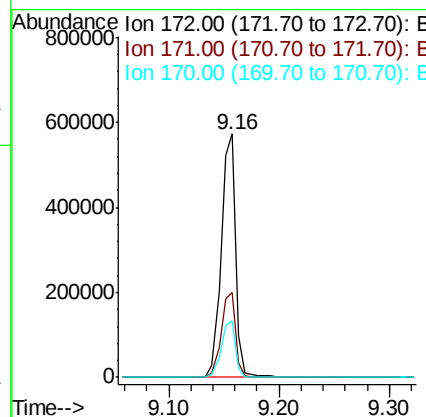
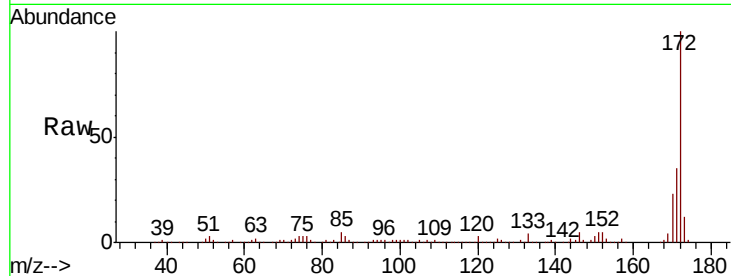
#45  
2-Fluorobiphenyl  
Concen: 41.672 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. 0.01 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

Instrument :  
BNA\_F  
ClientSampleId :  
RBR-61

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 518436 |       |       |
| 171     | 34.9  |        | 28.6  | 43.0  |
| 170     | 23.1  |        | 19.1  | 28.7  |

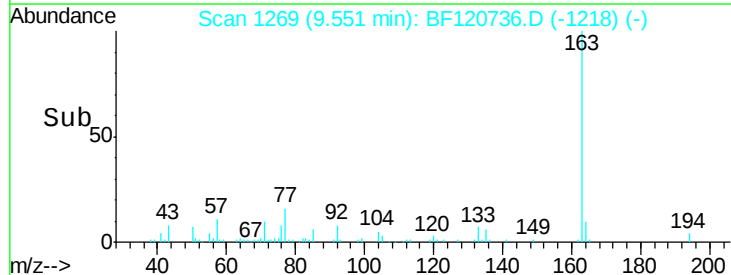
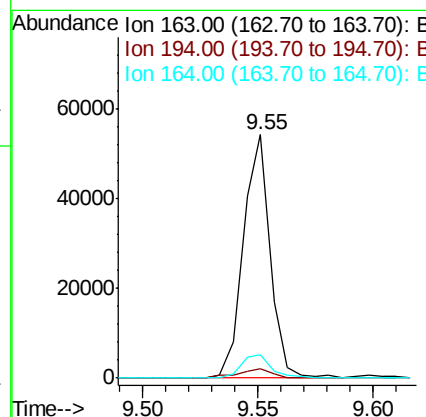
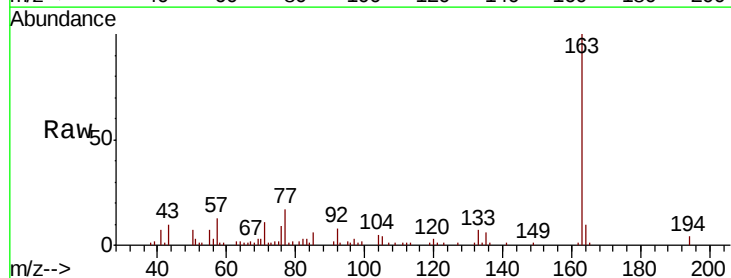
Manual Integrations  
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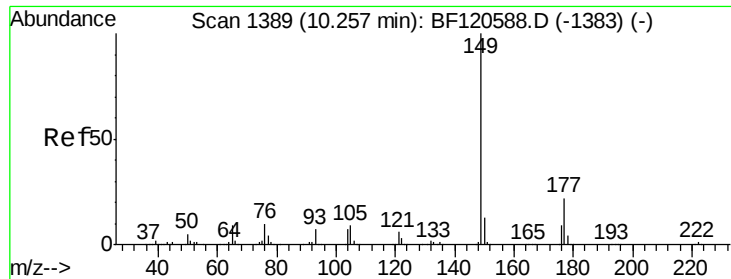
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6/30/2020 4:14:39 PM



#50  
Dimethylphthalate  
Concen: 3.199 ng  
RT: 9.55 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 43849 |       |       |
| 194     | 3.8   |       | 3.0   | 4.6   |
| 164     | 9.8   |       | 8.2   | 12.2  |





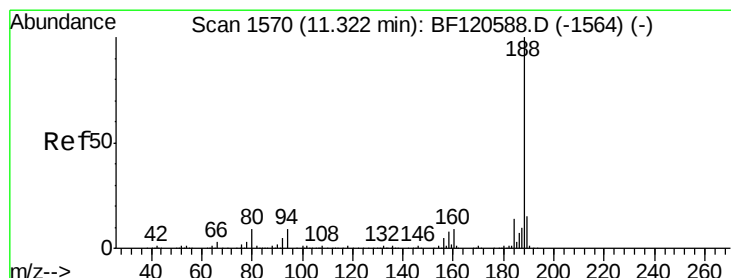
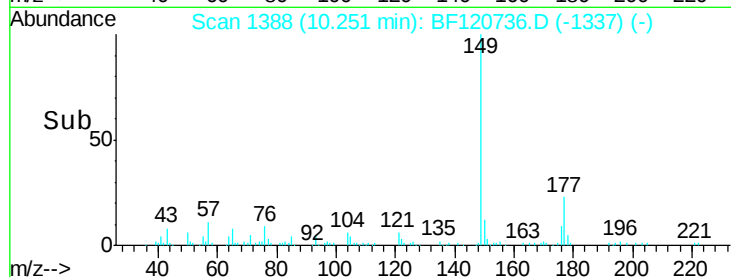
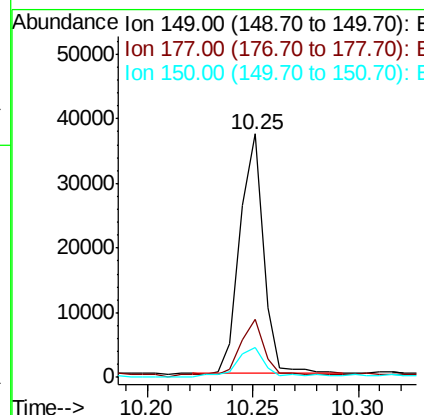
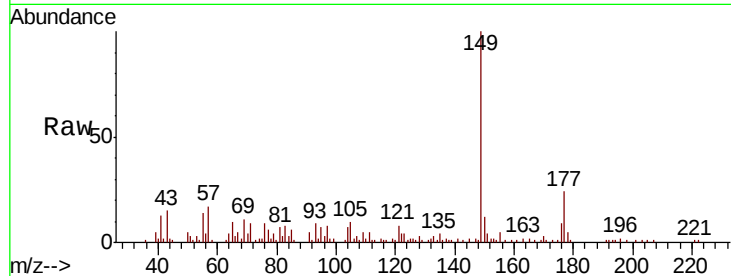
#60  
Diethylphthalate  
Concen: 2.098 ng  
RT: 10.25 min Scan# 1388  
Delta R.T. -0.00 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

Instrument :  
BNA\_F  
ClientSampled :  
RBR-61

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.6  | 18.0  | 27.0  |
| 150     | 12.1  | 9.8   | 14.6  |

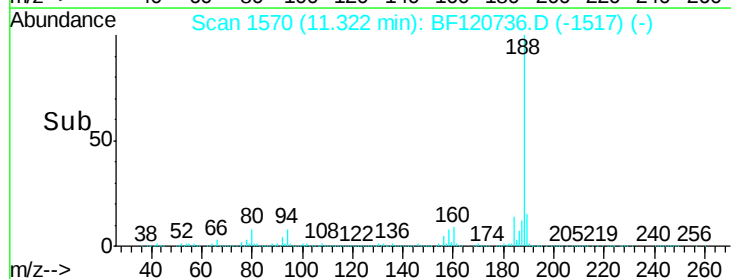
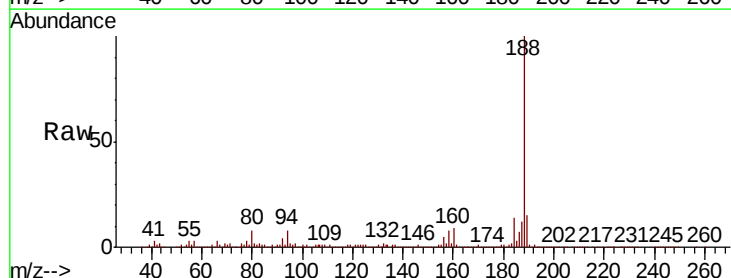
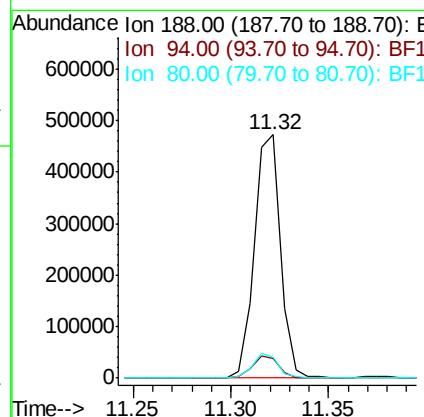
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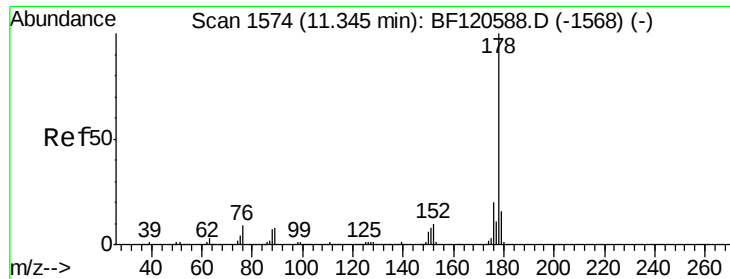
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. 0.01 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 7.5   | 11.3  |
| 80      | 8.5   | 7.7   | 11.5  |





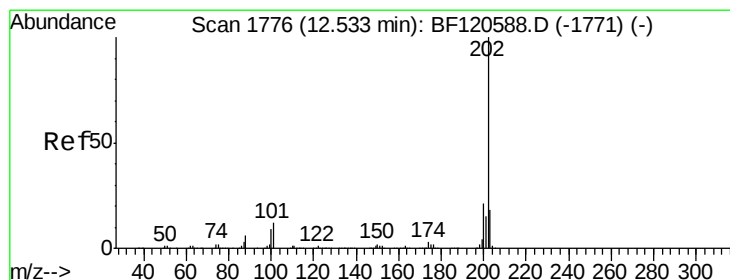
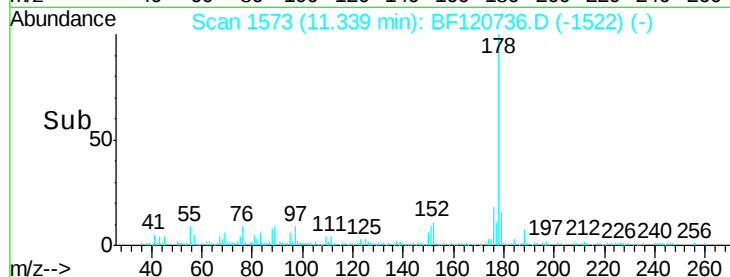
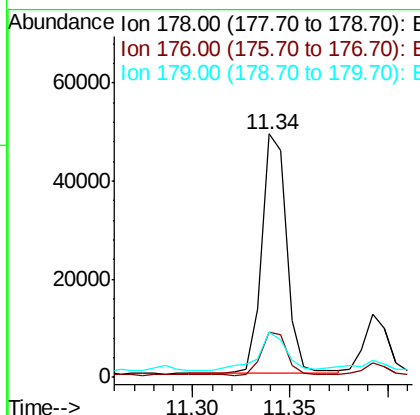
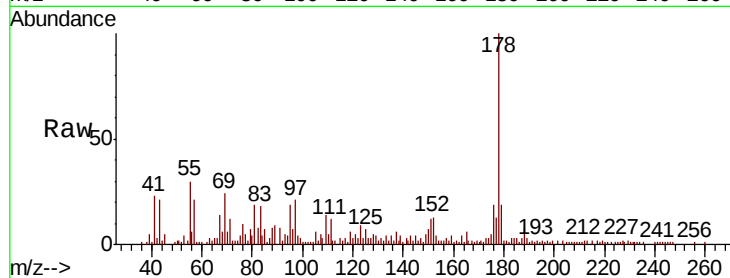
#71  
Phenanthrene  
Concen: 2.004 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. -0.00 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

Instrument :  
BNA\_F  
ClientSampleId :  
RBR-61

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 15.8  | 23.6  |
| 179     | 18.6  | 12.3  | 18.5  |

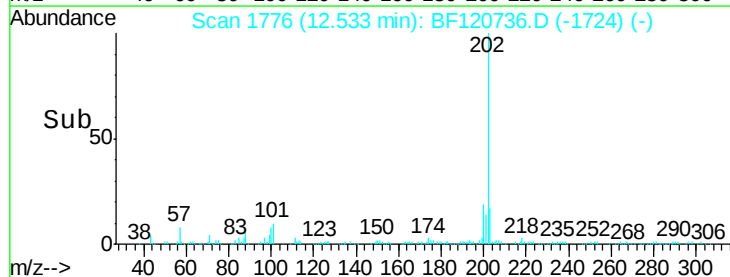
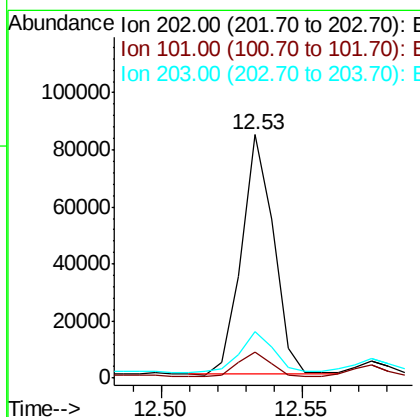
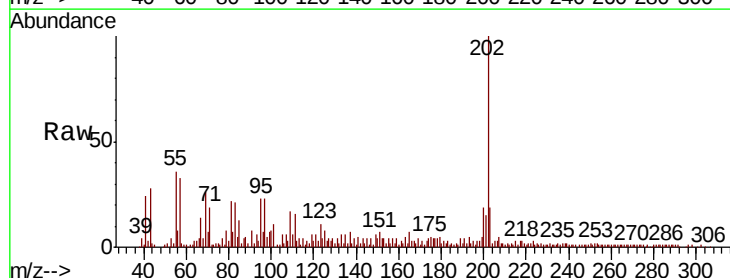
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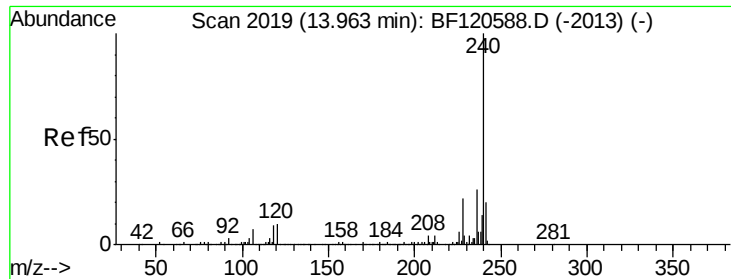
mohammad  
6/30/2020 4:14:39 PM



#75  
Fluoranthene  
Concen: 2.672 ng  
RT: 12.53 min Scan# 1776  
Delta R.T. 0.01 min  
Lab File: BF120736.D  
Acq: 29 Jun 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.9  | 0.0   | 29.8  |
| 203     | 19.1  | 0.0   | 37.7  |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA\_F

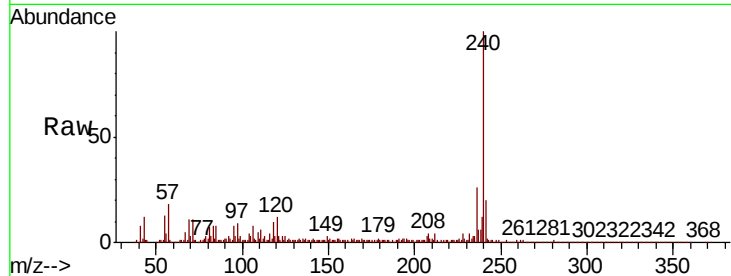
ClientSampleId :

RBR-61

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.8  | 7.6   | 11.4# |
| 236     | 25.5  | 21.0  | 31.4  |

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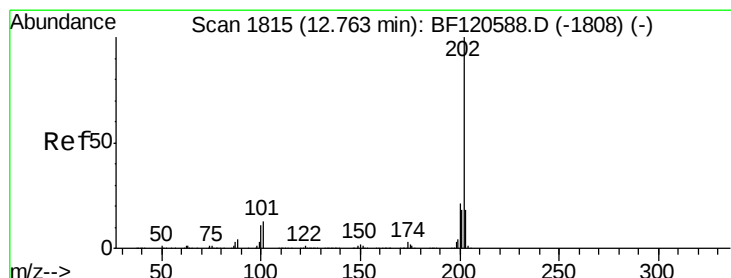
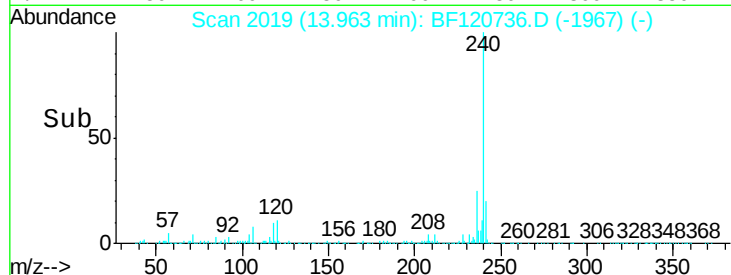
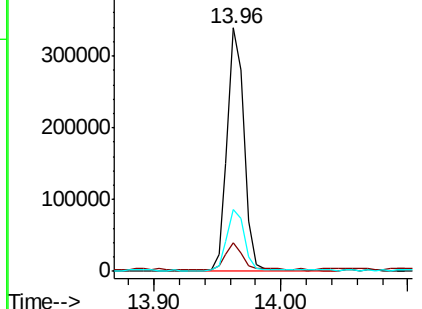
mohammad  
6/30/2020 4:14:39 PM



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



#78

Pyrene

Concen: 3.272 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF120736.D

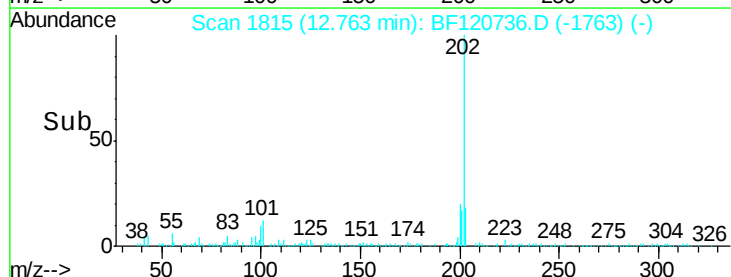
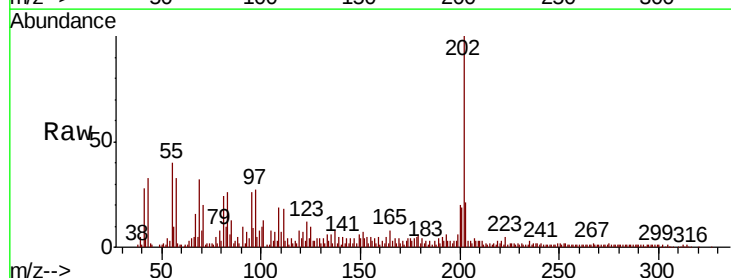
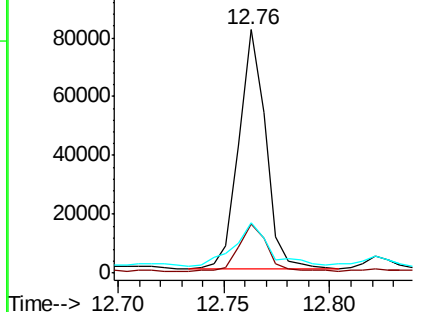
Acq: 29 Jun 2020 19:18

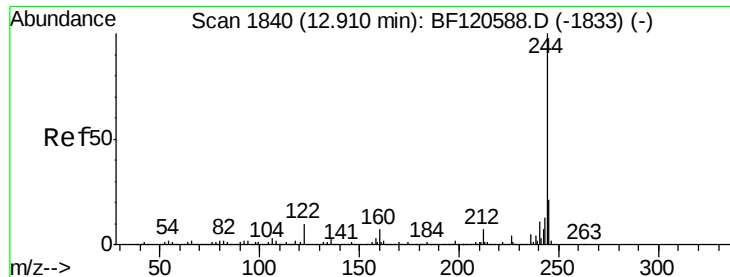
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.3  | 16.6  | 25.0  |
| 203     | 20.6  | 14.2  | 21.2  |

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





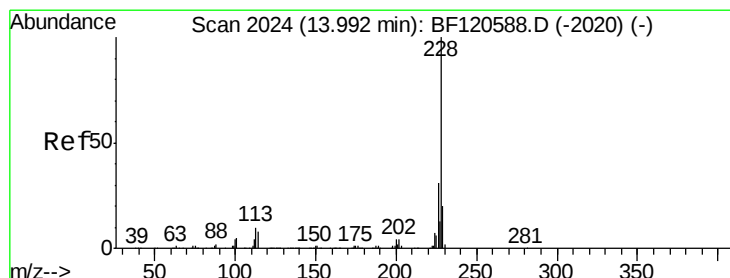
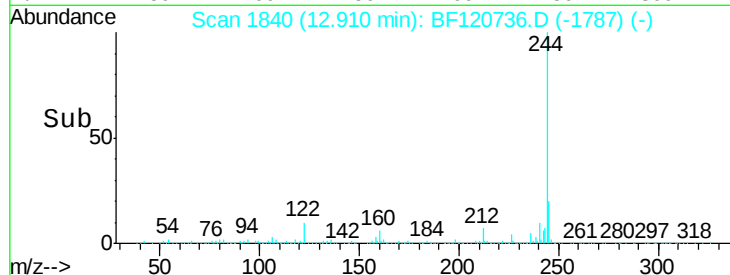
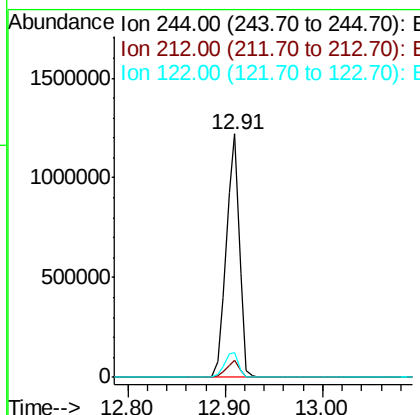
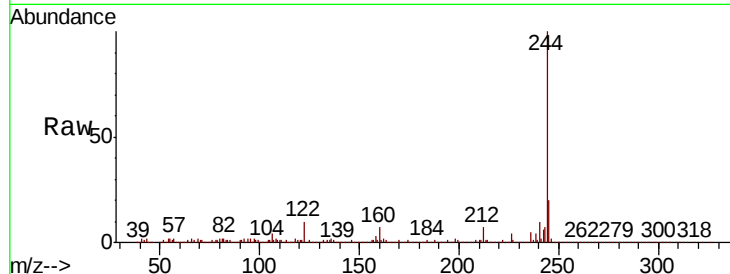
#79  
 Terphenyl-d14  
 Concen: 80.406 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. 0.01 min  
 Lab File: BF120736.D  
 Acq: 29 Jun 2020 19:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR-61

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.6   | 8.4   |
| 122     | 10.4  | 8.8   | 13.2  |

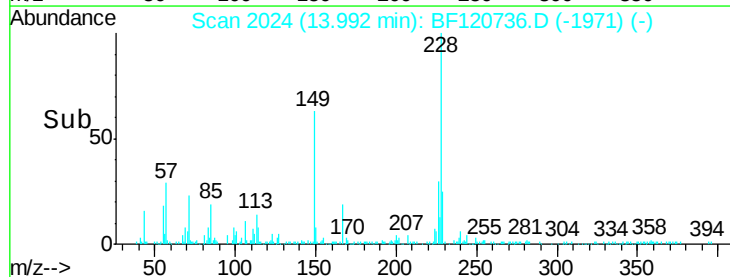
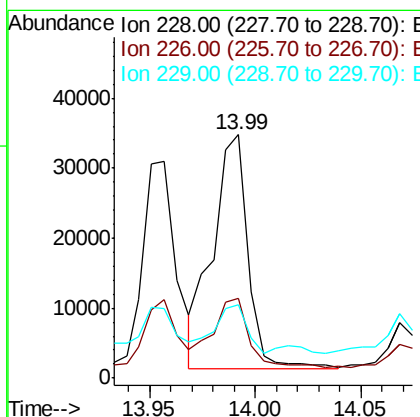
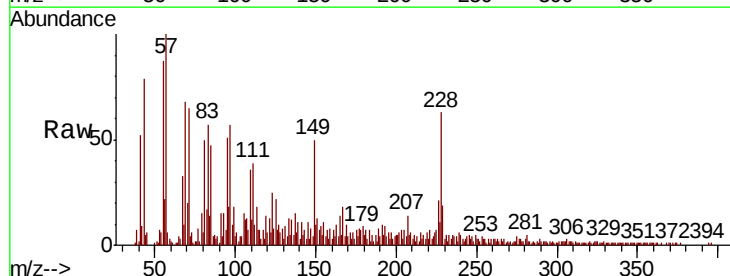
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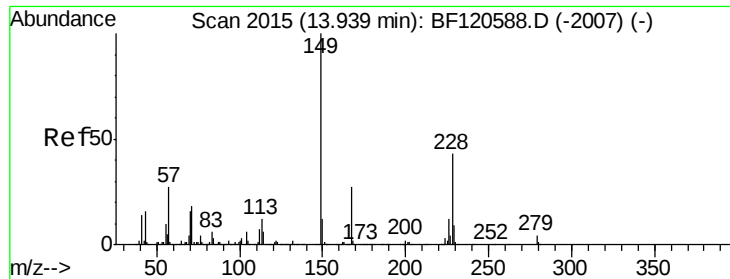
mohammad  
 6/30/2020 4:14:39 PM



#83  
 Chrysene  
 Concen: 2.027 ng  
 RT: 13.99 min Scan# 2024  
 Delta R.T. 0.01 min  
 Lab File: BF120736.D  
 Acq: 29 Jun 2020 19:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.9  | 25.0  | 37.6  |
| 229     | 29.9  | 16.1  | 24.1  |





#84

Bis(2-ethylhexyl)phthalate

Concen: 46.428 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA\_F

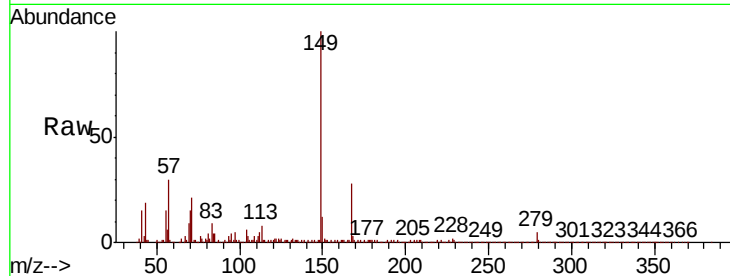
ClientSampleId :

RBR-61

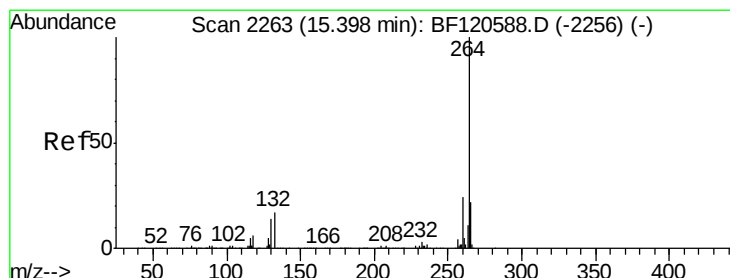
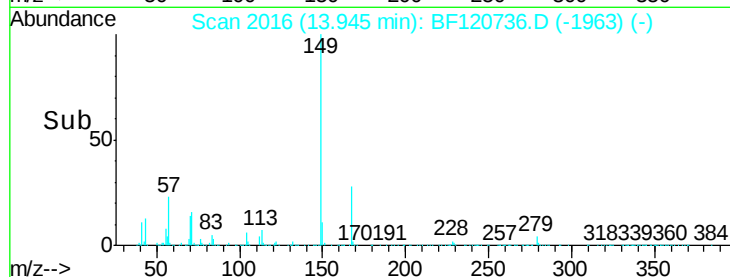
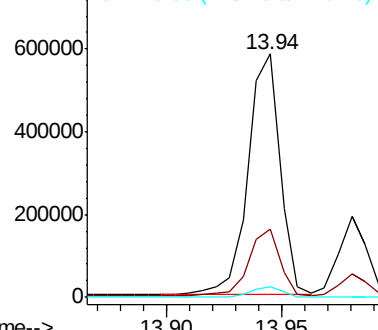
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 555154 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 28.3  | 21.9  | 32.9   |
| 279       | 4.5   | 3.6   | 5.4    |

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Abundance Ion 149.00 (148.70 to 149.70): E  
800000  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

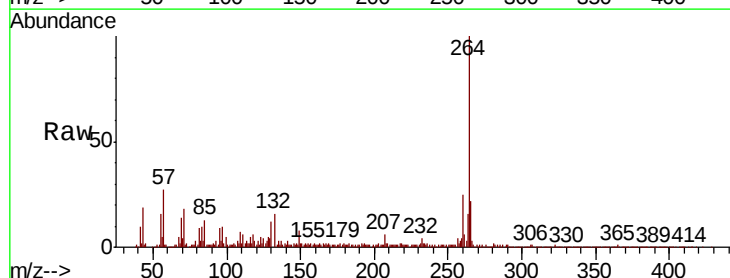
RT: 15.42 min Scan# 2266

Delta R.T. 0.02 min

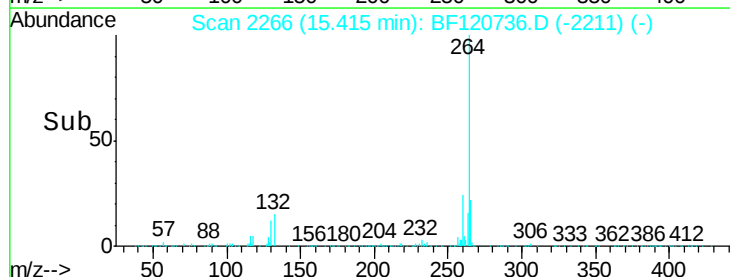
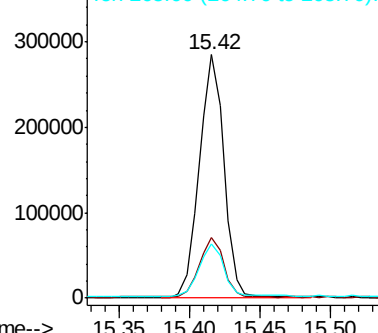
Lab File: BF120736.D

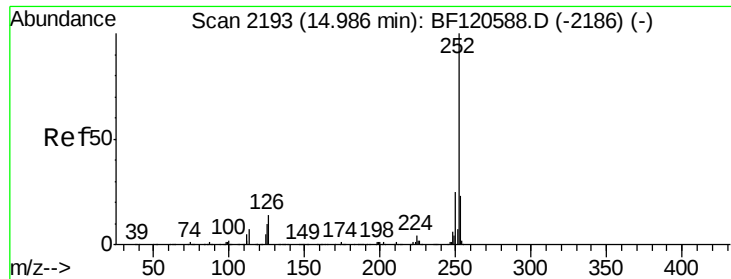
Acq: 29 Jun 2020 19:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 344330 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.7  | 19.4  | 29.2   |
| 265       | 22.3  | 17.4  | 26.0   |



Abundance Ion 264.00 (263.70 to 264.70): E  
300000  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.733 ng m

RT: 14.99 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA\_F

ClientSampleId :

RBR-61

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 56051 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 29.6  | 18.1  | 27.1# |
| 125       | 39.6  | 7.9   | 11.9# |

Manual Integrations  
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