

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
 Data File : BF121377.D  
 Acq On : 21 Aug 2020 20:19  
 Operator : JU/CG  
 Sample : L3729-14  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-(0-1)

Manual Integrations  
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 8/24/2020 1:50:08 PM

Quant Time: Aug 24 04:56:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 20 04:56:10 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 155296   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 597914   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.73  | 164  | 309341   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.21 | 188  | 582280   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.84 | 240  | 399891   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.26 | 264  | 359506   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 732593   | 77.35  | ng    | 0.00     |
| 7) Phenol-d6                | 6.34  | 99   | 919209   | 76.03  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 603842   | 57.12  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.52 | 330  | 269985   | 74.90  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.05  | 172  | 1065234  | 62.72  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.80 | 244  | 1041668  | 50.90  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 50) Dimethylphthalate       | 9.45  | 163  | 171439   | 7.618  | ng    | 99       |
| 71) Phenanthrene            | 11.23 | 178  | 151340   | 5.022  | ng    | 98       |
| 75) Fluoranthene            | 12.42 | 202  | 325663   | 9.956  | ng    | 99       |
| 78) Pyrene                  | 12.64 | 202  | 378182   | 12.590 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.83 | 228  | 153564m  | 6.183  | ng    |          |
| 83) Chrysene                | 13.87 | 228  | 151754   | 5.974  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.61 | 276  | 122427   | 5.579  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 14.86 | 252  | 190713m  | 8.211  | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.88 | 252  | 54143m   | 2.648  | ng    |          |
| 90) Benzo(a)pyrene          | 15.20 | 252  | 130247   | 6.490  | ng    | 100      |
| 92) Benzo(g,h,i)perylene    | 17.02 | 276  | 144176   | 8.196  | ng    | 100      |

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

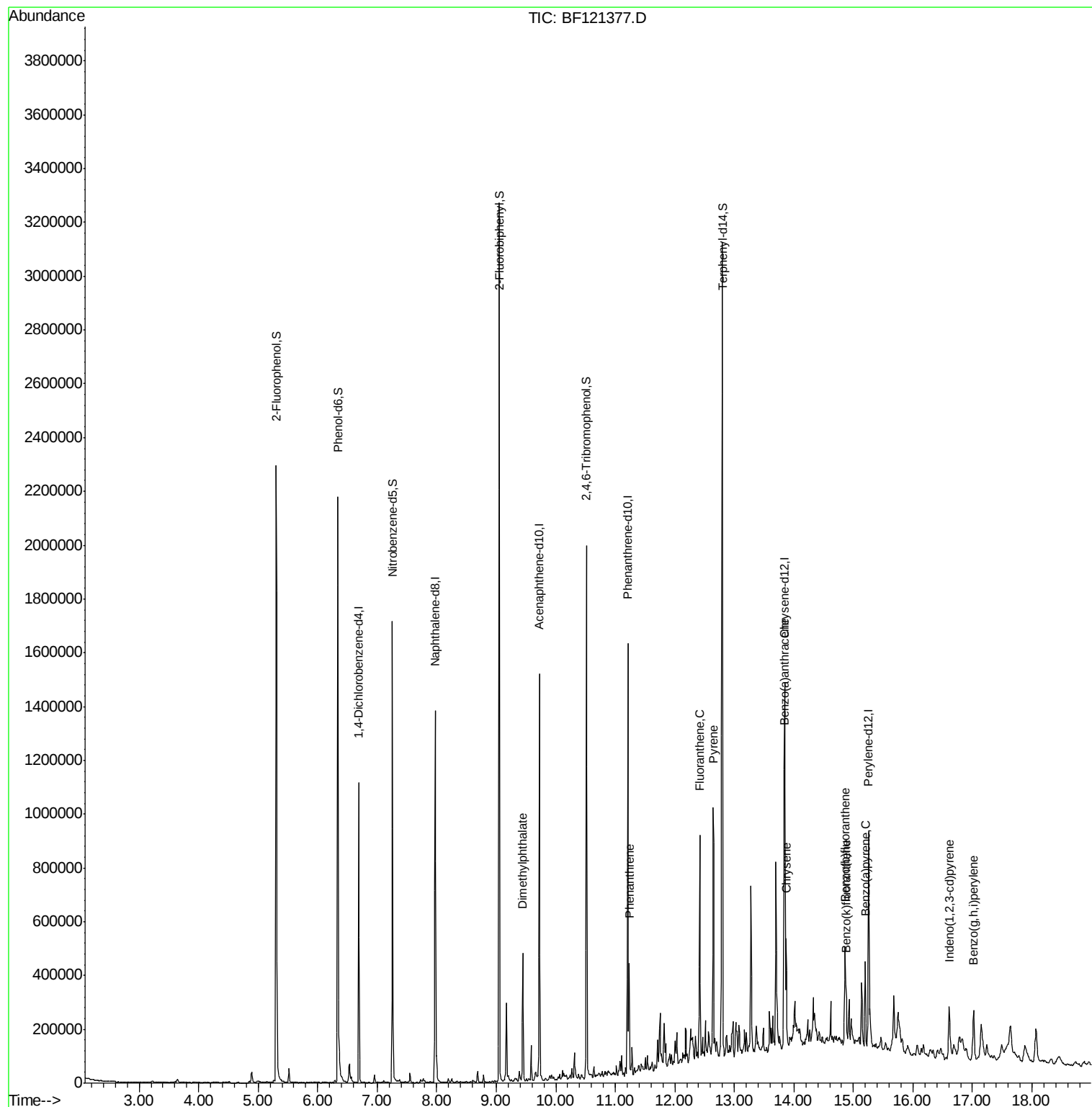
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\  
Data File : BF121377.D  
Acq On : 21 Aug 2020 20:19  
Operator : JU/CG  
Sample : L3729-14  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

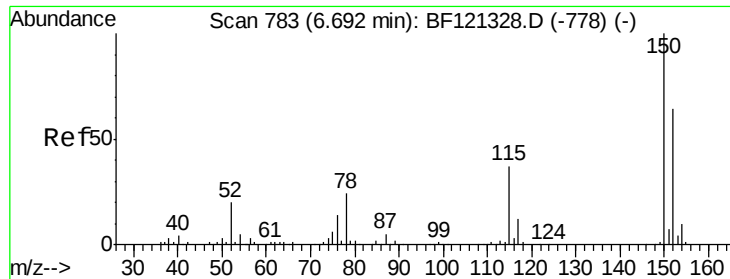
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-(0-1)

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Quant Time: Aug 24 04:56:06 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 20 04:56:10 2020  
Response via : Initial Calibration





#1

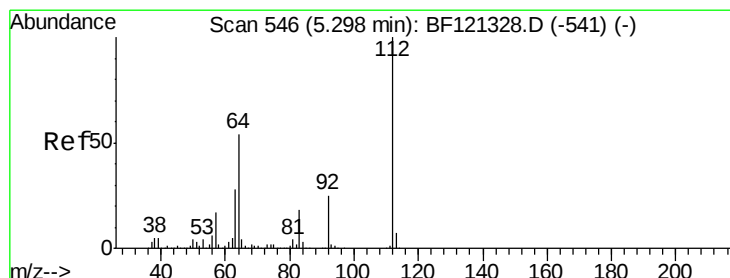
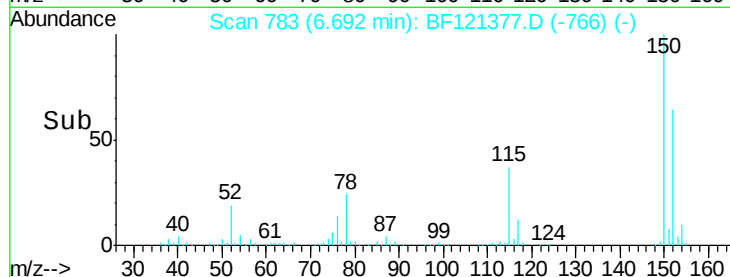
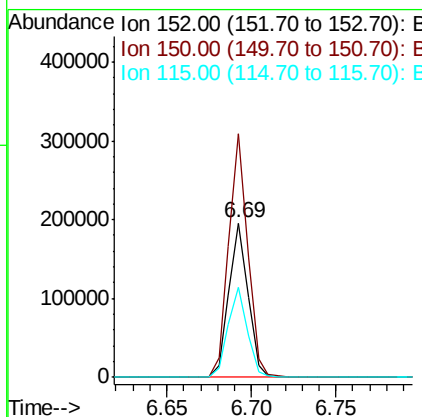
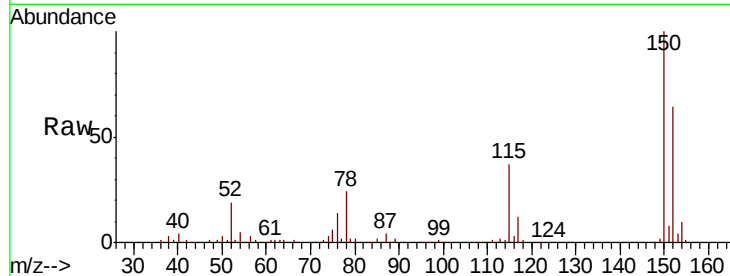
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 124.8 | 187.2 |
| 115     | 58.2  | 46.1  | 69.1  |

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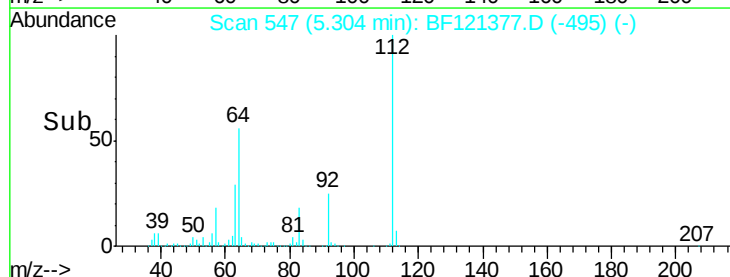
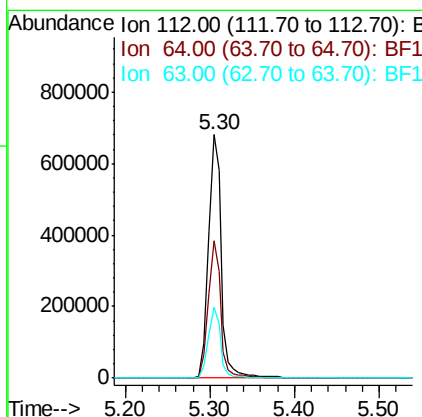
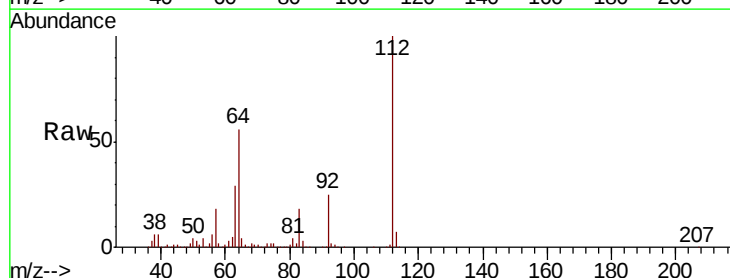
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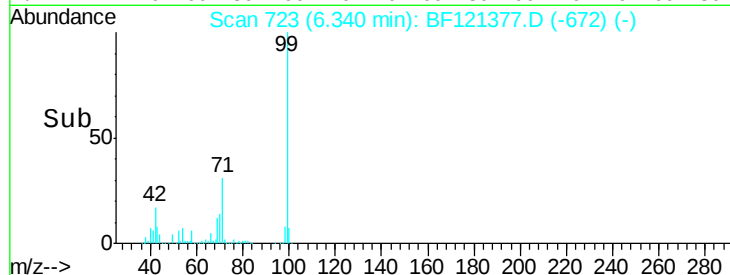
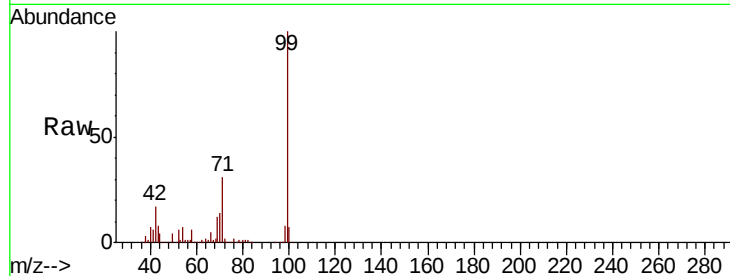


#5

2-Fluorophenol  
Concen: 77.353 ng  
RT: 5.30 min Scan# 547  
Delta R.T. 0.01 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.5  | 43.5  | 65.3  |
| 63      | 29.3  | 22.0  | 33.0  |





#7

Phenol-d6

Concen: 76.028 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 919209 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 17.1  | 13.5  | 20.3   |
| 71       | 31.2  | 25.2  | 37.8   |

Instrument :

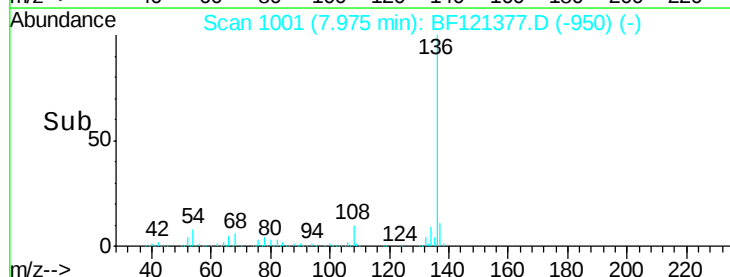
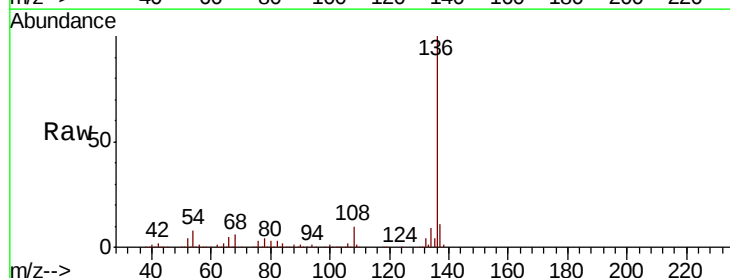
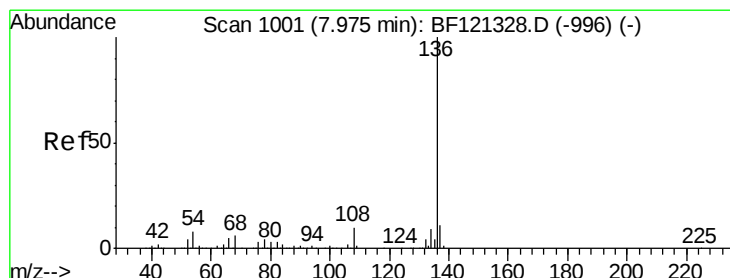
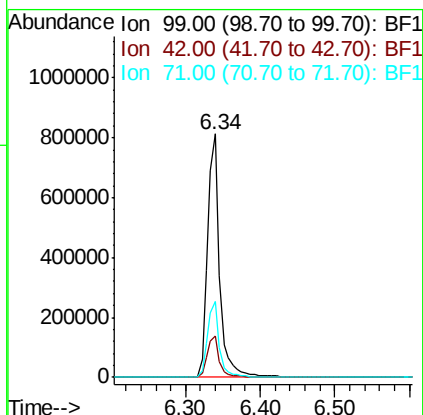
BNA\_F

ClientSampled :

COMP-1-(0-1)

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#21

Naphthalene-d8

Concen: 20.000 ng

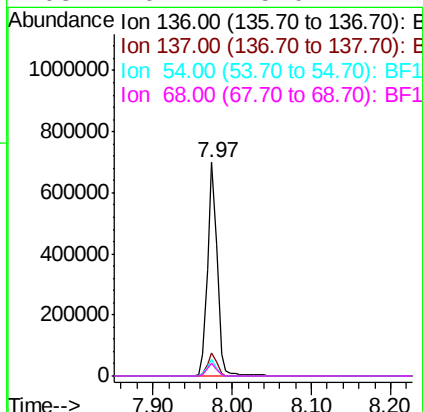
RT: 7.97 min Scan# 1001

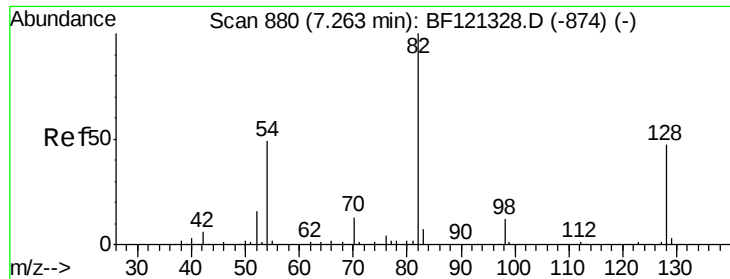
Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 597914 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 7.7   | 6.1   | 9.1    |
| 68       | 6.2   | 5.0   | 7.4    |





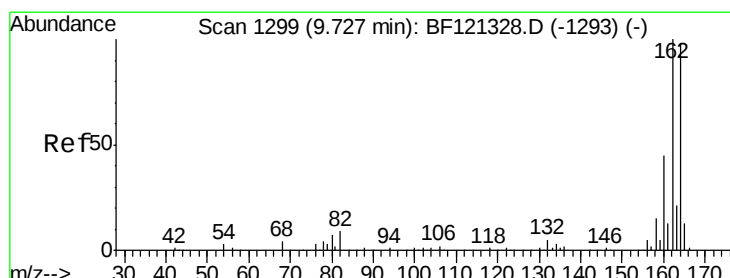
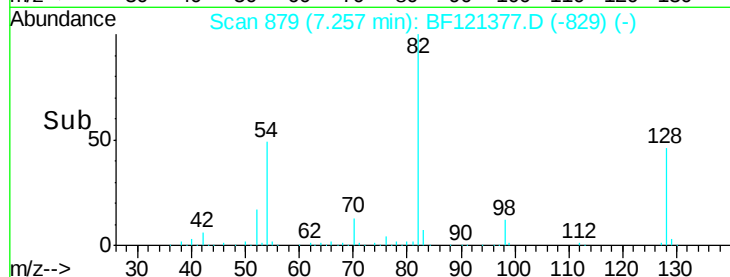
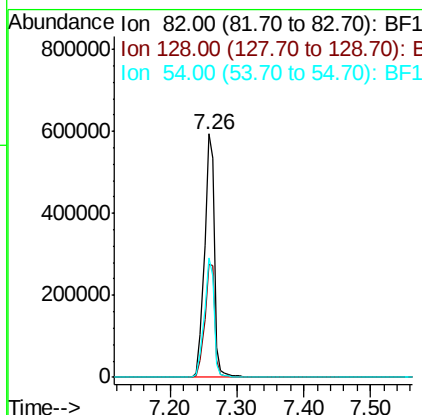
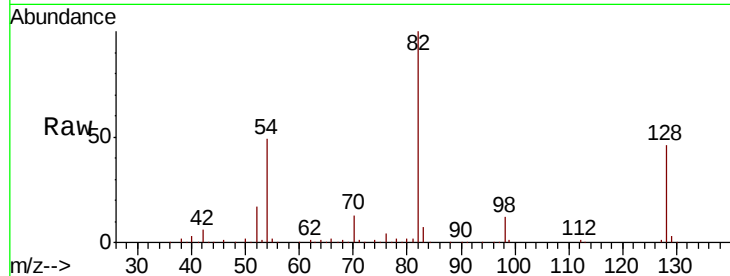
#23  
 Nitrobenzene-d5  
 Concen: 57.117 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF121377.D  
 Acq: 21 Aug 2020 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-(0-1)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 603842 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.3  | 37.9  | 56.9   |
| 54        | 48.9  | 39.0  | 58.4   |

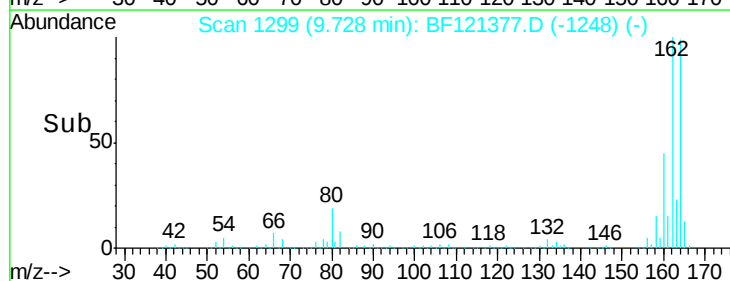
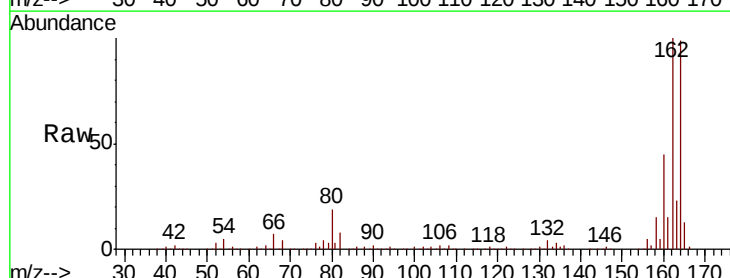
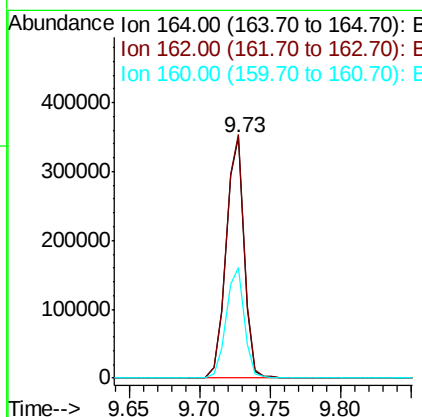
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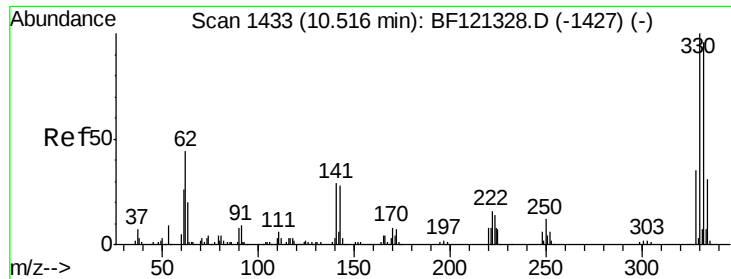
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. 0.00 min  
 Lab File: BF121377.D  
 Acq: 21 Aug 2020 20:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 309341 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.1 | 81.7  | 122.5  |
| 160       | 45.9  | 37.0  | 55.4   |





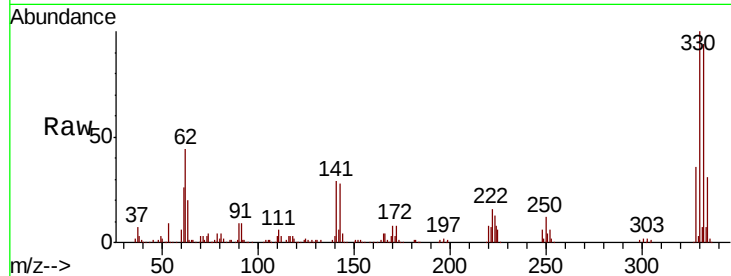
#42  
 2,4,6-Tribromophenol  
 Concen: 74.896 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. 0.00 min  
 Lab File: BF121377.D  
 Acq: 21 Aug 2020 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-(0-1)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 269985 |       |       |
| 332     | 94.9  |        | 76.9  | 115.3 |
| 141     | 29.5  |        | 22.8  | 34.2  |

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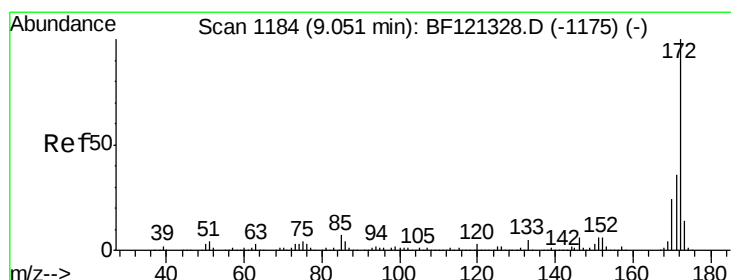
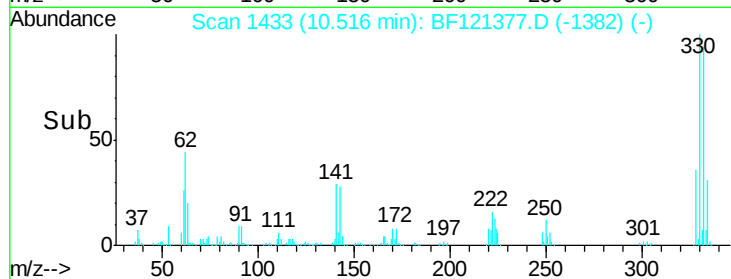
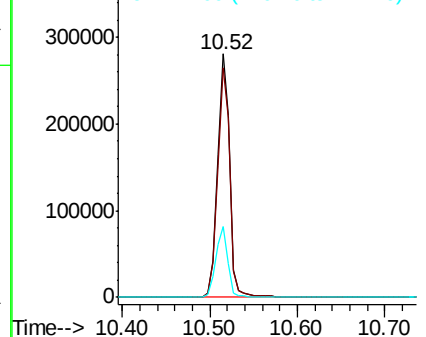


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 62.717 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BF121377.D  
 Acq: 21 Aug 2020 20:19

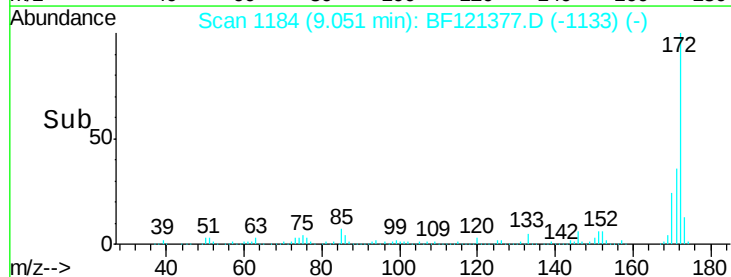
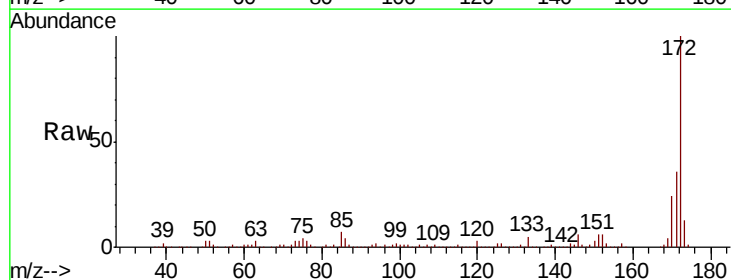
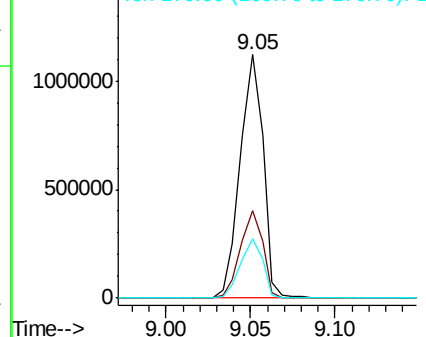
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1065234 |       |       |
| 171     | 35.8  |         | 29.0  | 43.6  |
| 170     | 24.5  |         | 19.4  | 29.2  |

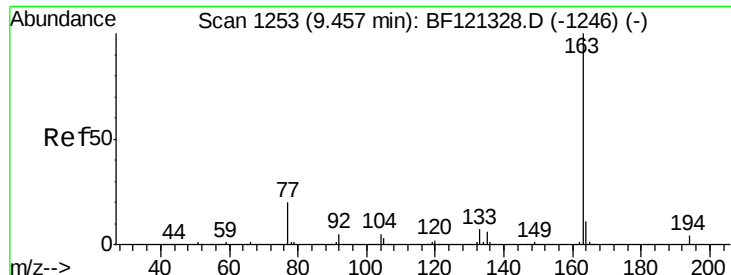
Abundance

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





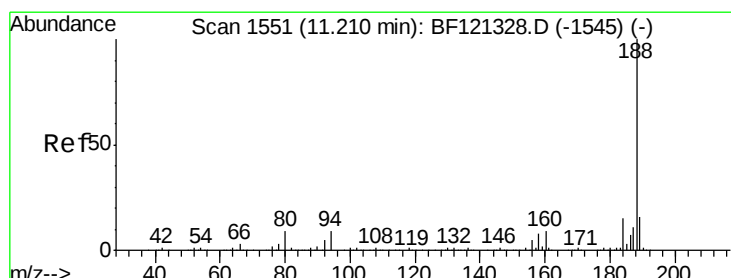
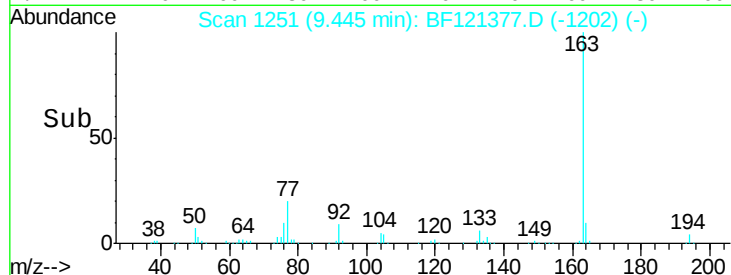
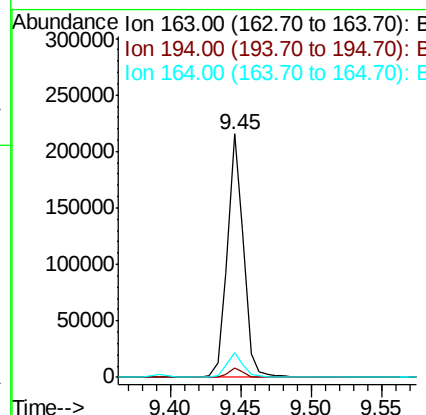
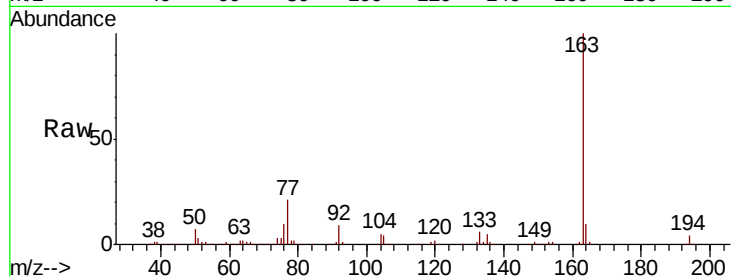
#50  
Dimethylphthalate  
Concen: 7.618 ng  
RT: 9.45 min Scan# 1251  
Delta R.T. -0.01 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-(0-1)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 171439 |       |       |
| 194     | 3.7   |        | 3.0   | 4.6   |
| 164     | 10.1  |        | 8.4   | 12.6  |

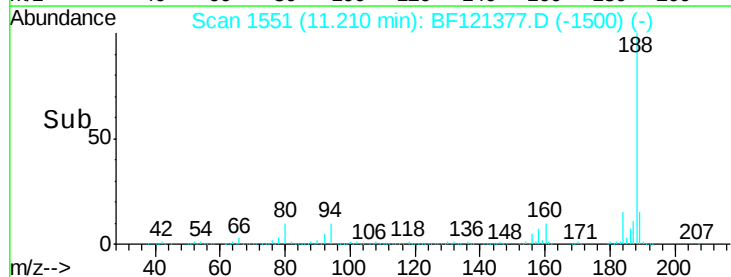
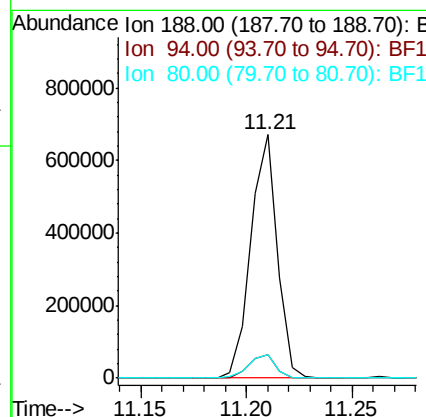
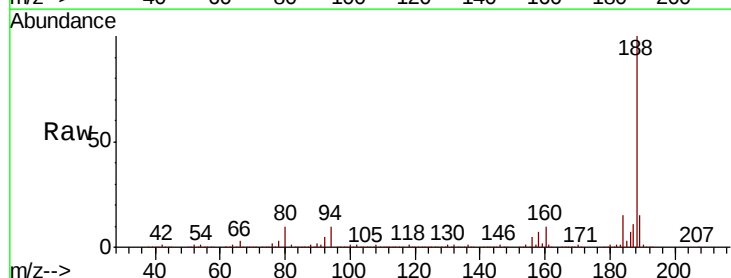
Manual Integrations  
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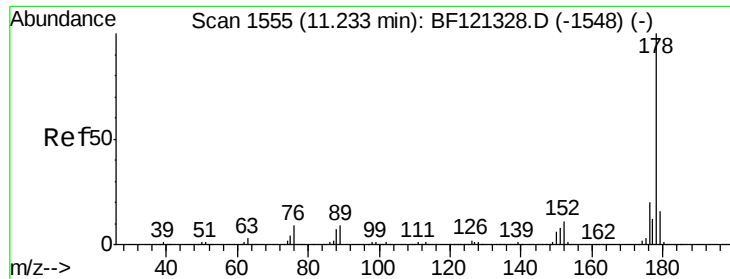
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. 0.00 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 582280 |       |       |
| 94      | 9.6   |        | 7.2   | 10.8  |
| 80      | 9.6   |        | 7.4   | 11.0  |





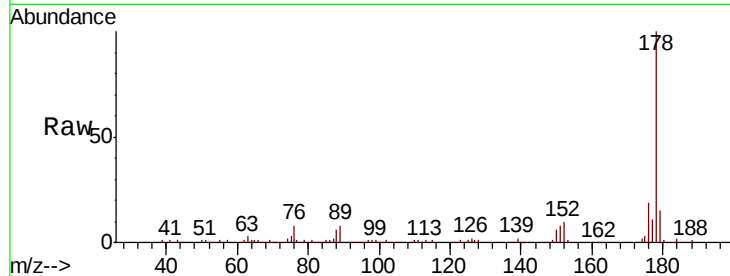
#71  
Phenanthrene  
Concen: 5.022 ng  
RT: 11.23 min Scan# 1555  
Delta R.T. 0.00 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-(0-1)

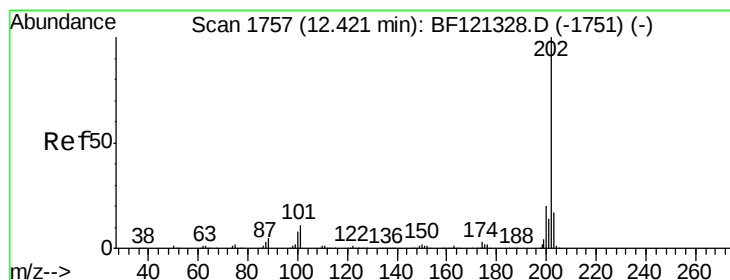
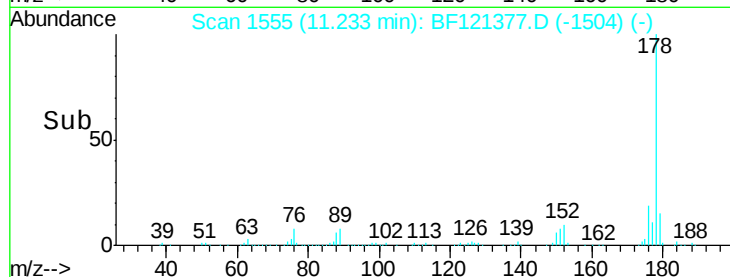
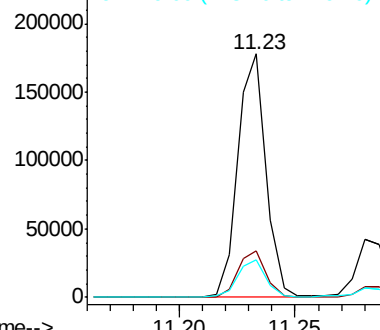
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 16.0  | 24.0  |
| 179     | 15.3  | 12.8  | 19.2  |

Manual Integrations  
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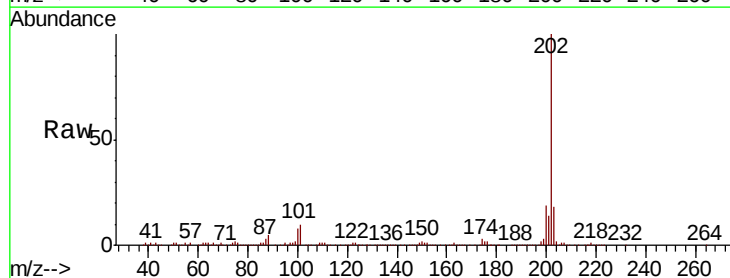


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

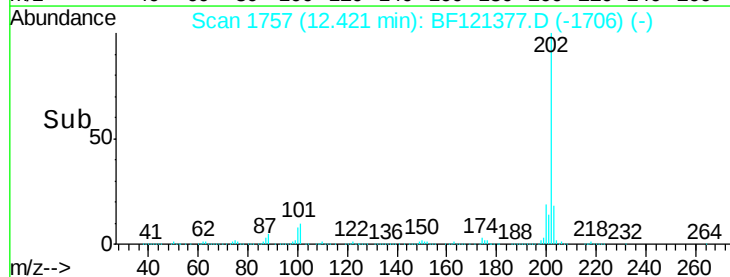
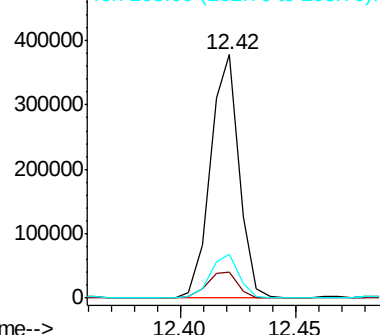


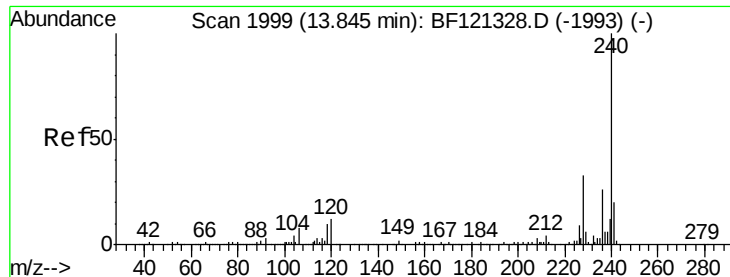
#75  
Fluoranthene  
Concen: 9.956 ng  
RT: 12.42 min Scan# 1757  
Delta R.T. 0.00 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.4  | 0.0   | 30.6  |
| 203     | 18.1  | 0.0   | 37.5  |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Instrument :

BNA\_F

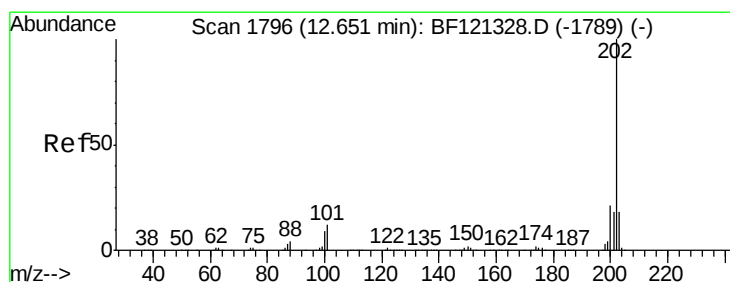
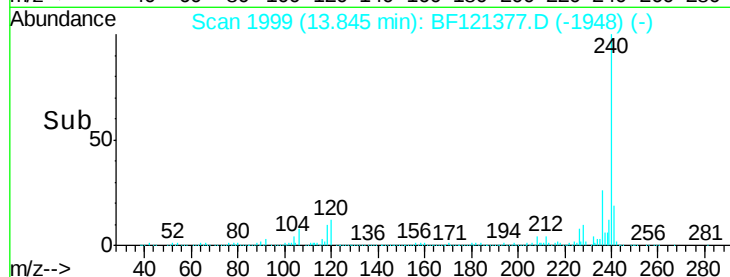
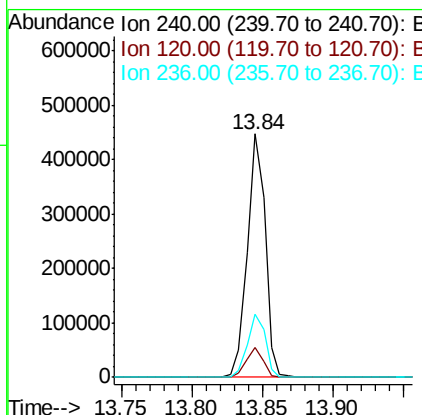
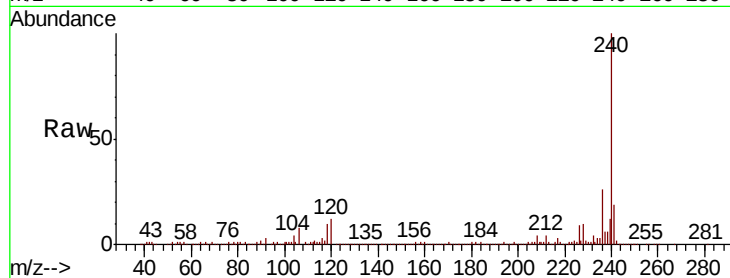
ClientSampleId :

COMP-1-(0-1)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 399891 |       |       |
| 120     | 12.1  | 9.6    | 14.4  |       |
| 236     | 26.1  | 20.6   | 31.0  |       |

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#78

Pyrene

Concen: 12.590 ng

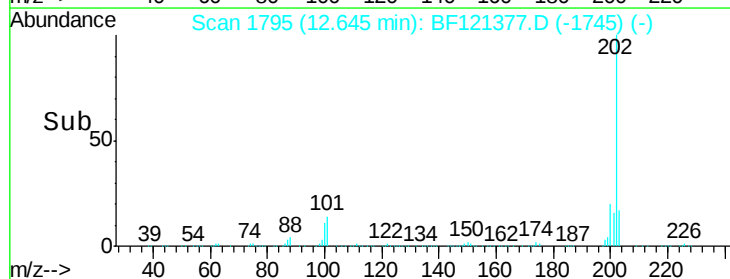
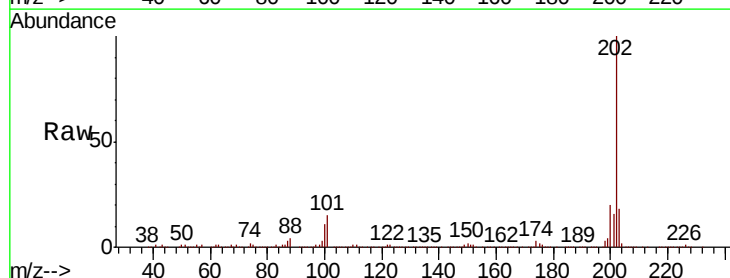
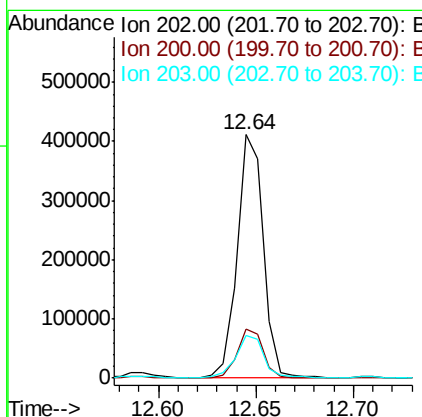
RT: 12.64 min Scan# 1795

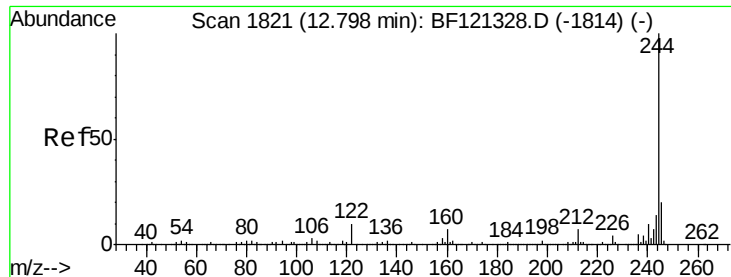
Delta R.T. -0.01 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 378182 |       |       |
| 200     | 20.3  | 16.6   | 24.8  |       |
| 203     | 17.7  | 14.2   | 21.2  |       |





#79

Terphenyl-d14

Concen: 50.903 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

Instrument :

BNA\_F

ClientSampled :

COMP-1-(0-1)

Tot Ion:244 Resp: 1041668

Ion Ratio Lower Upper

244 100

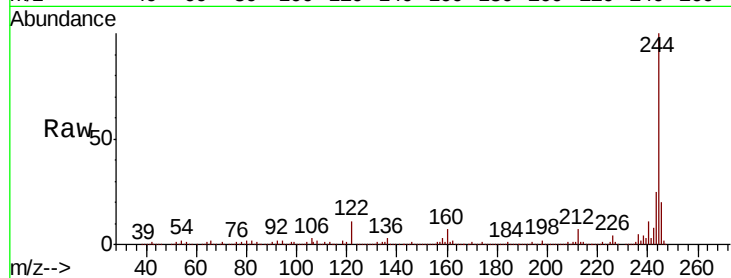
212 7.0 5.4 8.0

122 10.6 7.8 11.8

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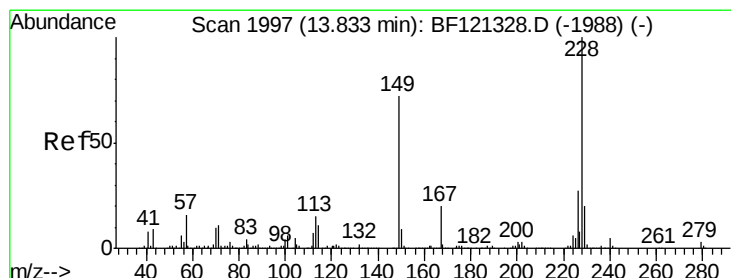
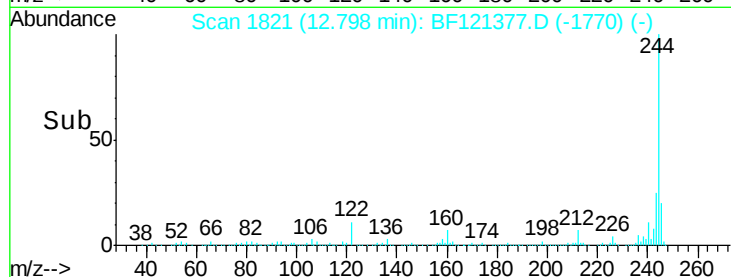
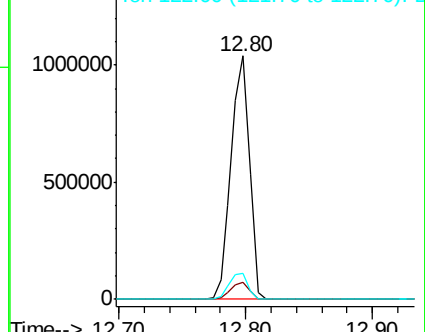
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.183 ng m

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF121377.D

Acq: 21 Aug 2020 20:19

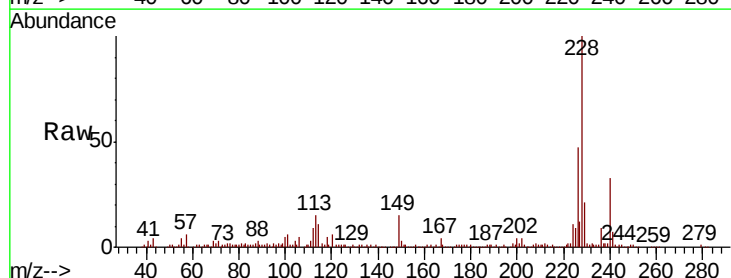
Tgt Ion:228 Resp: 153564

Ion Ratio Lower Upper

228 100

226 47.3 21.8 32.6#

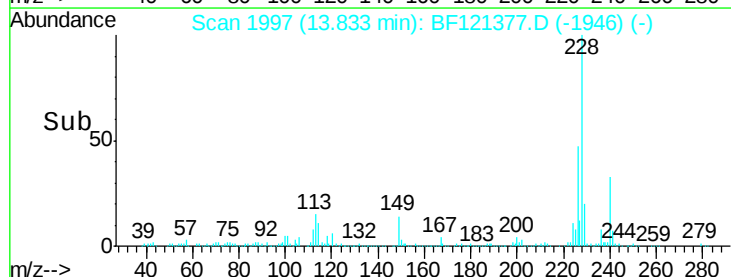
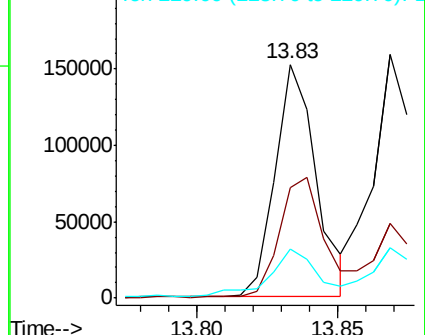
229 21.0 15.8 23.8

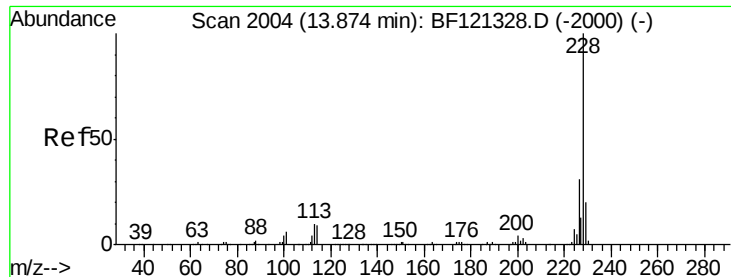


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





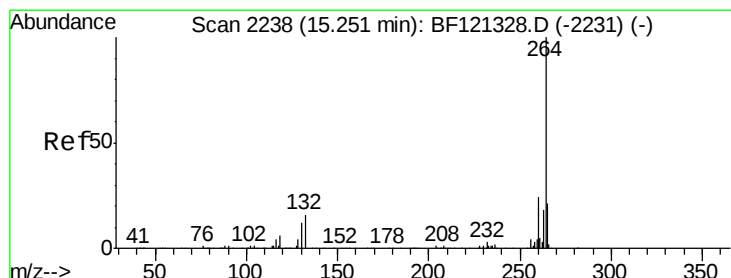
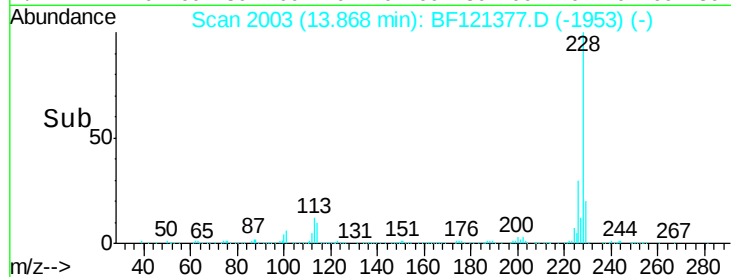
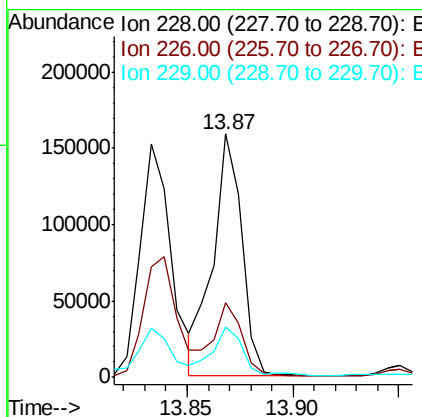
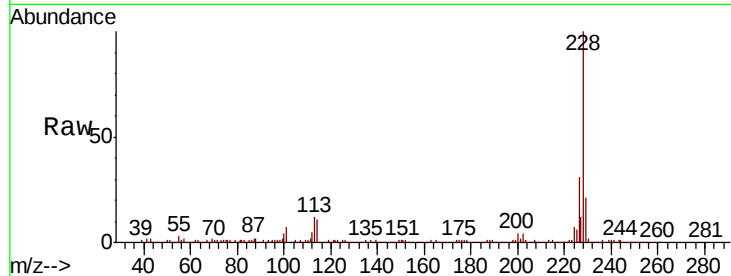
#83  
 Chrysene  
 Concen: 5.974 ng  
 RT: 13.87 min Scan# 2003  
 Delta R.T. -0.01 min  
 Lab File: BF121377.D  
 Acq: 21 Aug 2020 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.6  | 36.8  |
| 229     | 20.8  | 15.9  | 23.9  |

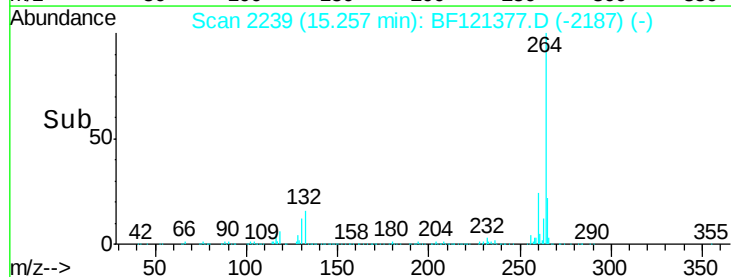
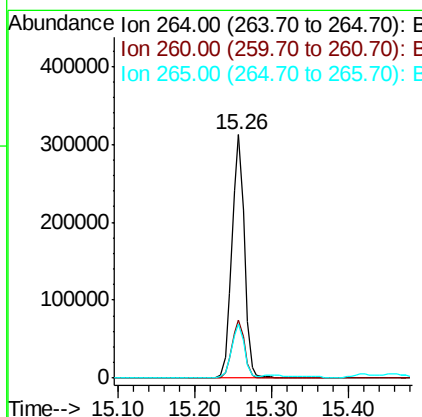
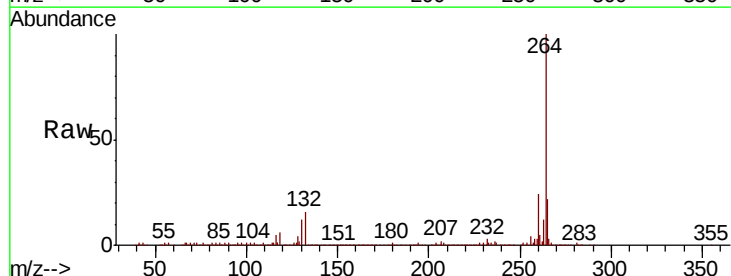
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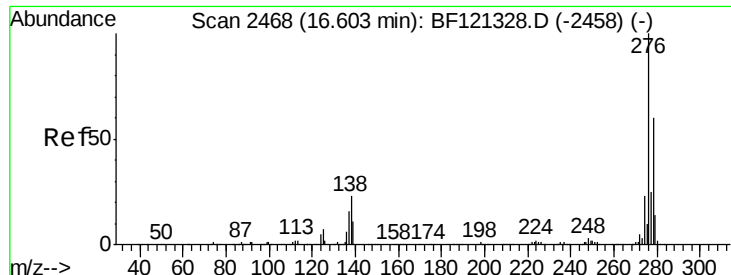
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.26 min Scan# 2239  
 Delta R.T. 0.01 min  
 Lab File: BF121377.D  
 Acq: 21 Aug 2020 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.5  | 29.3  |
| 265     | 22.0  | 17.1  | 25.7  |





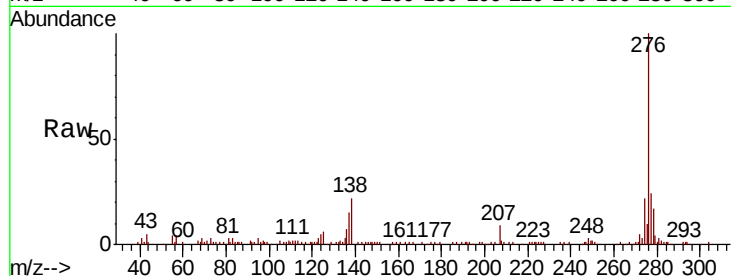
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 5.579 ng  
RT: 16.61 min Scan# 2469  
Delta R.T. 0.01 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-(0-1)

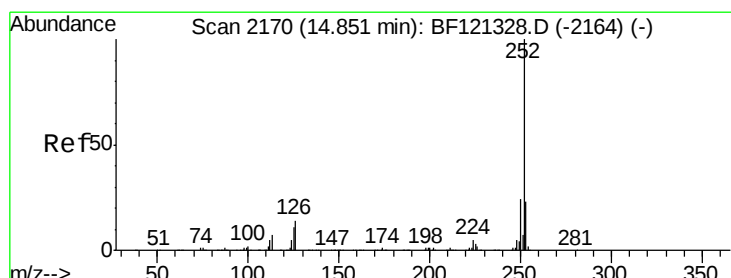
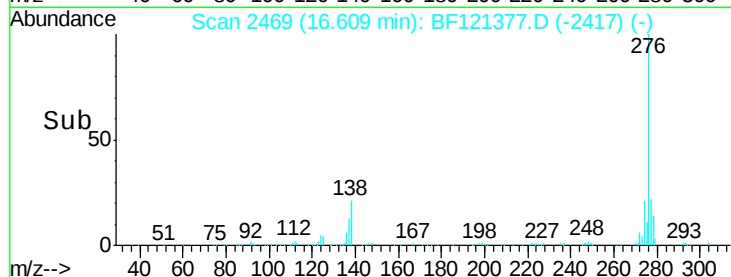
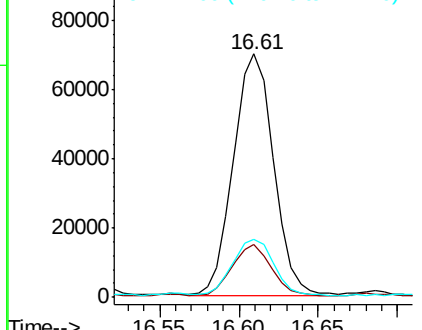
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.8  | 19.4  | 29.0  |
| 277     | 24.2  | 19.9  | 29.9  |

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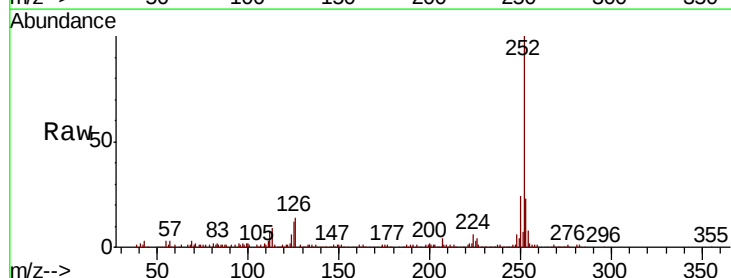


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

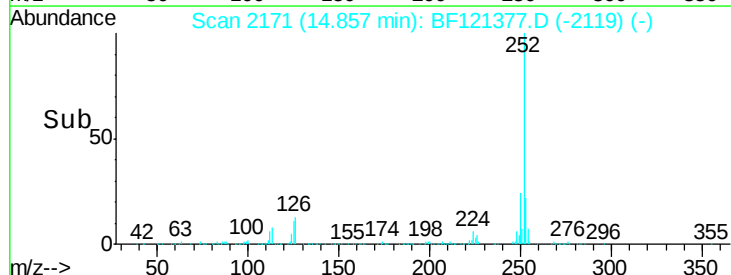
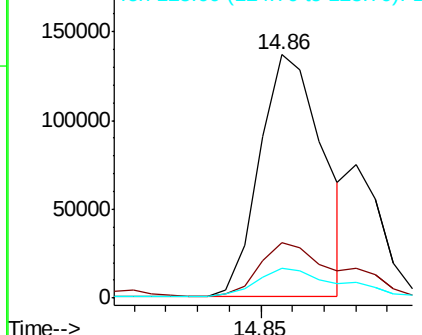


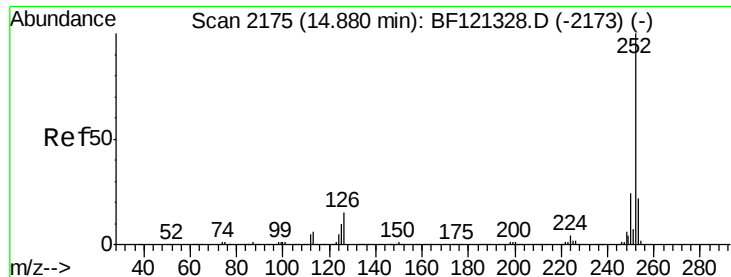
#88  
Benzo(b)fluoranthene  
Concen: 8.211 ng m  
RT: 14.86 min Scan# 2171  
Delta R.T. 0.01 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.0  | 27.0  |
| 125     | 12.1  | 8.6   | 12.8  |



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





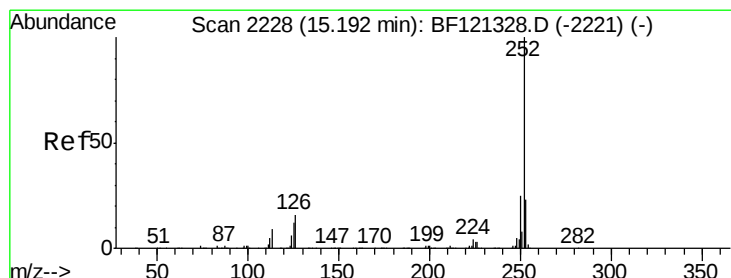
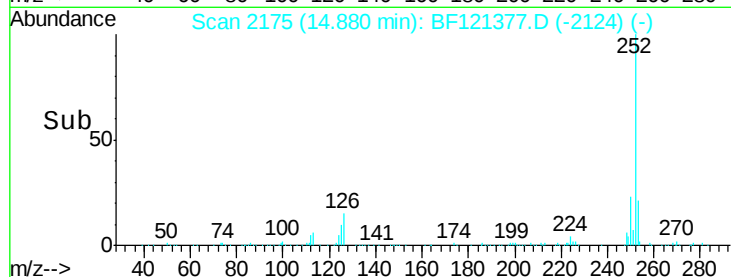
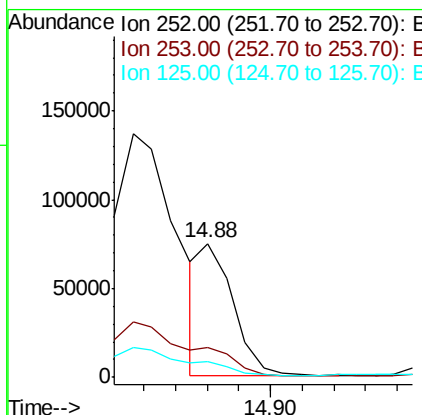
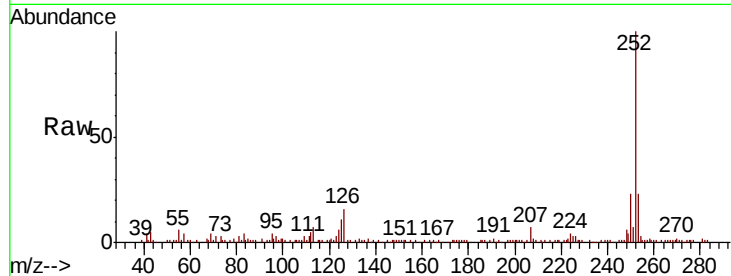
#89  
Benzo(k)fluoranthene  
Concen: 2.648 ng m  
RT: 14.88 min Scan# 2175  
Delta R.T. 0.00 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-(0-1)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.9  | 26.9  |
| 125     | 11.4  | 8.6   | 12.8  |

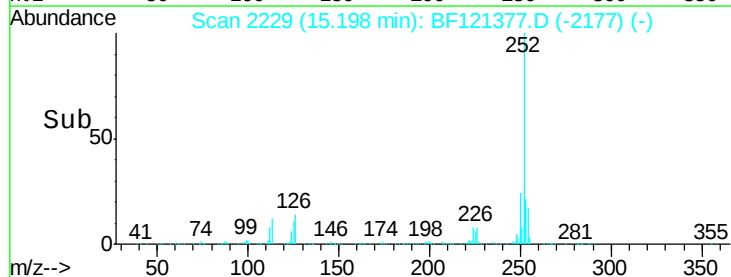
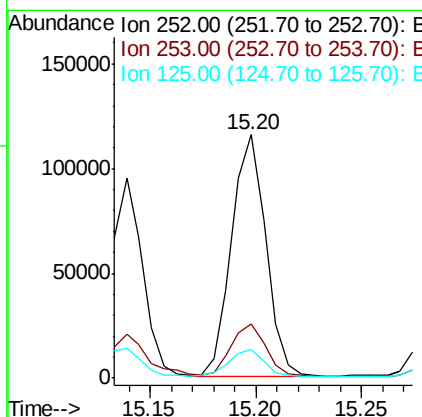
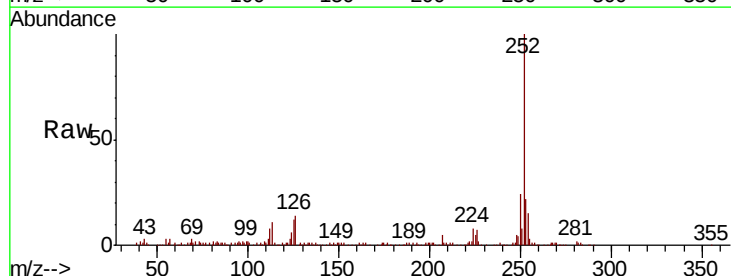
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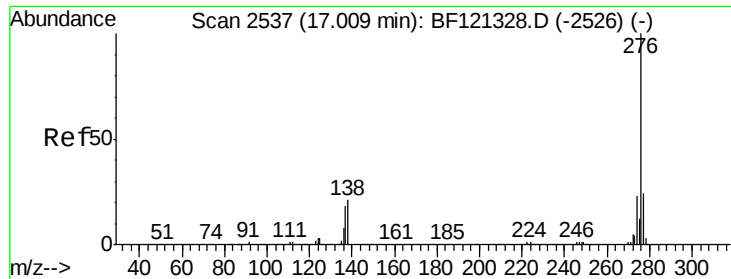
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#90  
Benzo(a)pyrene  
Concen: 6.490 ng  
RT: 15.20 min Scan# 2229  
Delta R.T. 0.01 min  
Lab File: BF121377.D  
Acq: 21 Aug 2020 20:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.0  | 27.0  |
| 125     | 11.6  | 9.4   | 14.0  |





#92  
 Benzo(a,h,i)perylene  
 Concen: 8.196 ng  
 RT: 17.02 min Scan# 2539  
 Delta R.T. 0.01 min  
 Lab File: BF121377.D  
 Acq: 21 Aug 2020 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-(0-1)

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 144176 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 23.7 | 19.3  | 28.9   |
| 138       | 21.0 | 16.8  | 25.2   |

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