

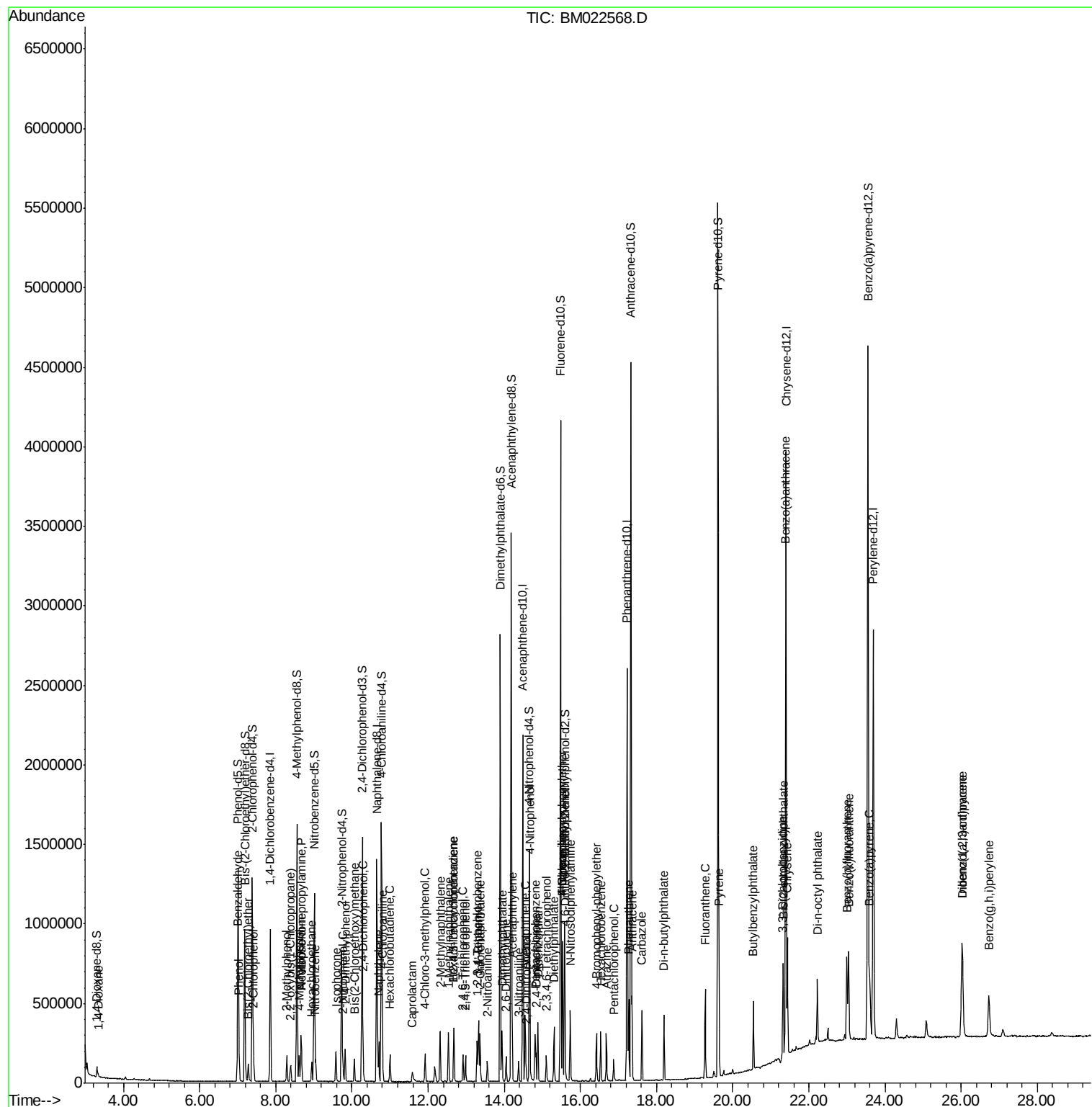
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\  
Data File : BM022568.D  
Acq On : 07 Sep 2019 00:52  
Operator : HP/JU  
Sample : MDL-S-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

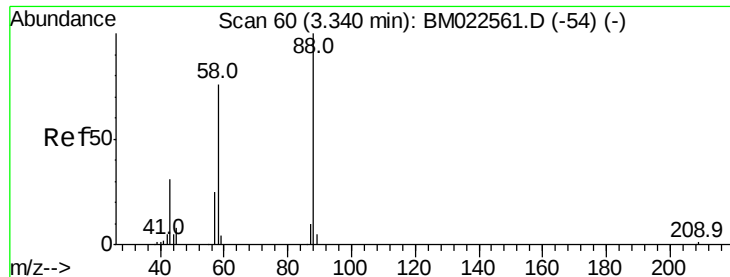
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

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Quant Time: Sep 08 01:48:51 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Sep 06 23:41:25 2019  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 1.458 ng/uL

RT: 3.34 min Scan# 60

Delta R.T. 0.00 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

Instrument :

BNA\_M

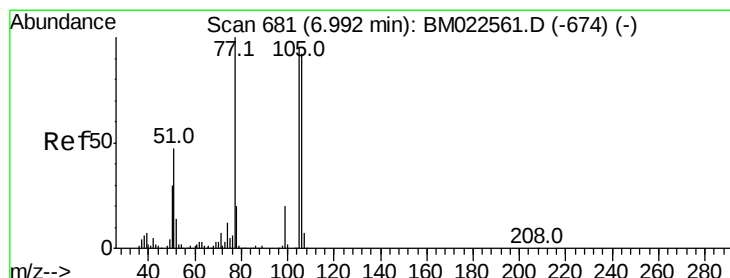
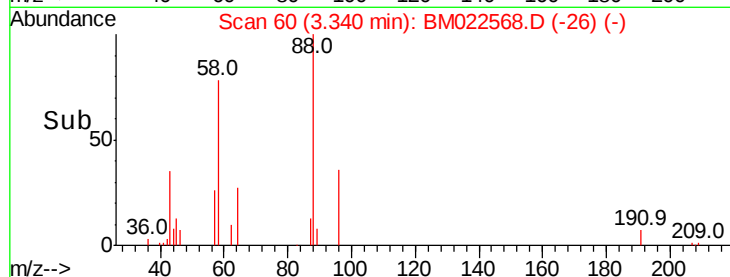
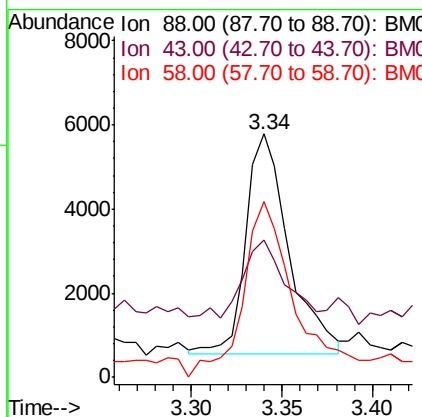
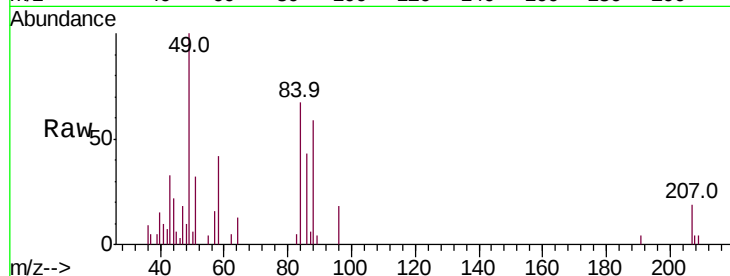
ClientSampleId :

MDL-S-06

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 88    | Resp: | 8651 |
| Ion Ratio | Lower | Upper |      |
| 88        | 100   |       |      |
| 43        | 56.5  | 37.9  | 56.9 |
| 58        | 72.4  | 59.4  | 89.0 |

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#4

Benzaldehyde

Concen: 2.779 ng/uL

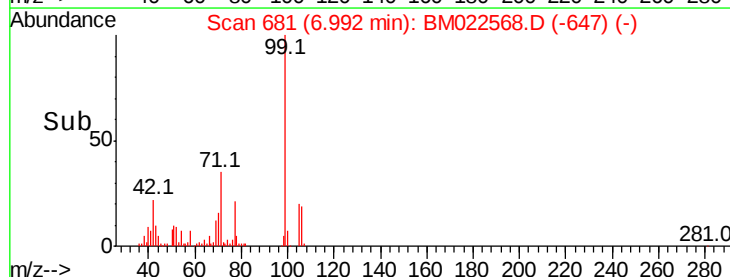
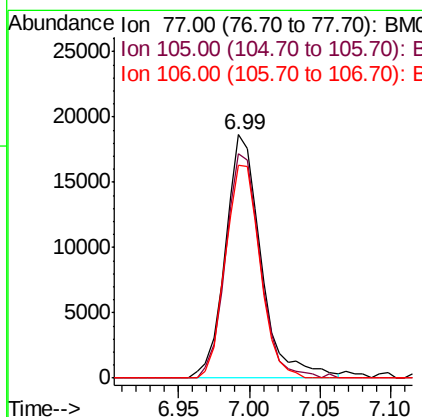
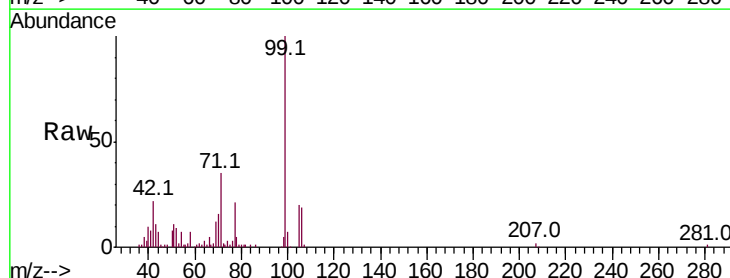
RT: 6.99 min Scan# 681

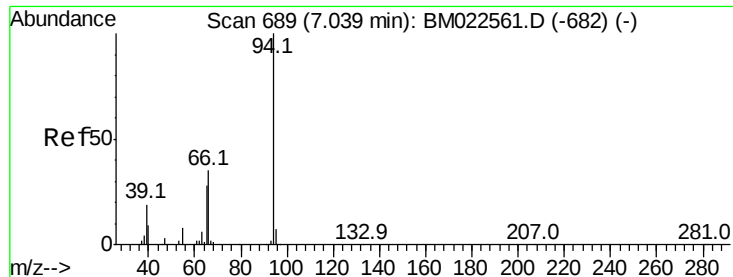
Delta R.T. 0.00 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 32899 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 92.2  | 79.0  | 118.6 |
| 106       | 87.3  | 75.1  | 112.7 |





#6

Phenol

Concen: 3.182 ng/ul

RT: 7.04 min Scan# 689

Delta R.T. 0.00 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

Instrument :

BNA\_M

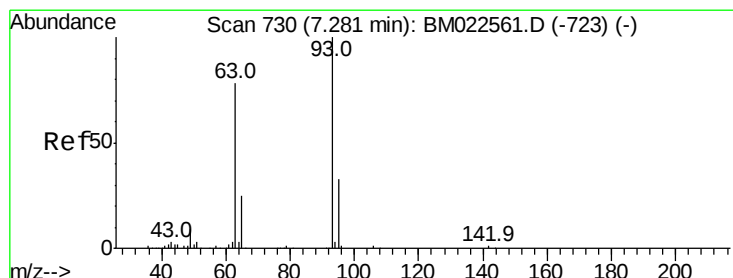
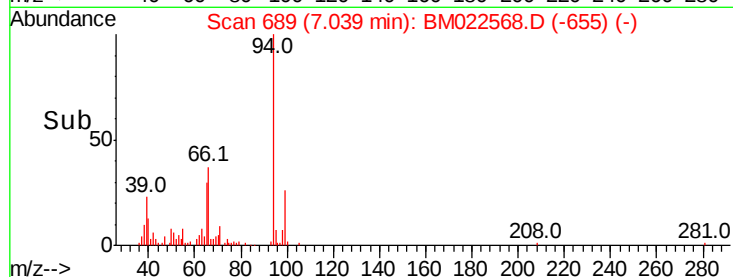
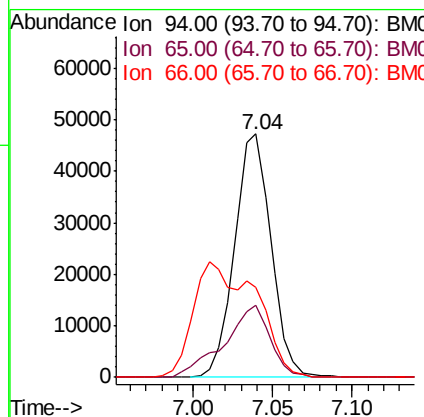
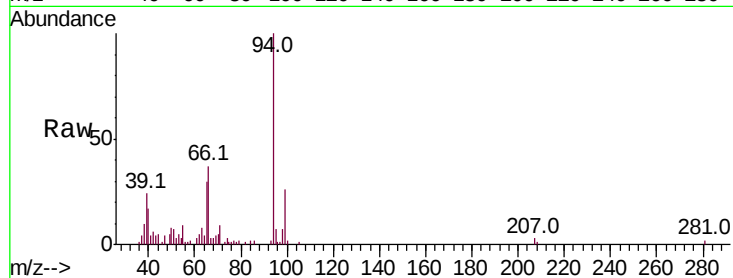
ClientSampleId :

MDL-S-06

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 75375 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 29.6  | 22.8  | 34.2  |
| 66       | 37.1  | 29.1  | 43.7  |

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#8

Bis(2-Chloroethyl)ether

Concen: 3.367 ng/ul

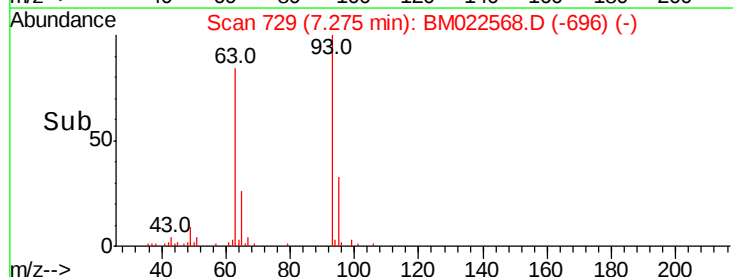
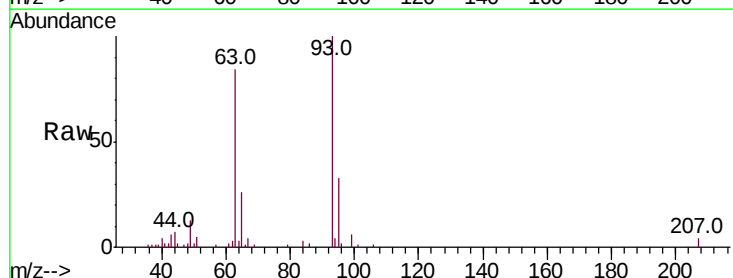
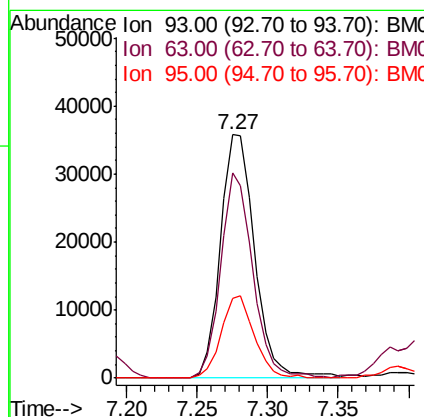
RT: 7.27 min Scan# 729

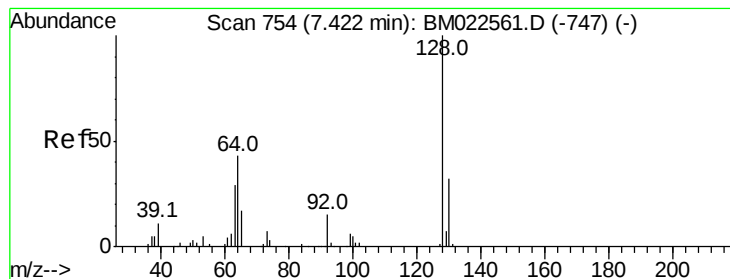
Delta R.T. -0.01 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 60570 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 84.4  | 62.2  | 93.2  |
| 95       | 32.5  | 26.6  | 39.8  |





#10

2-Chlorophenol

Concen: 3.182 ng/ul

RT: 7.42 min Scan# 754

Delta R.T. 0.00 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

Instrument :

BNA\_M

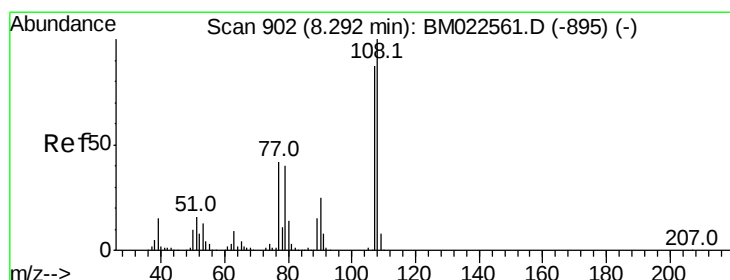
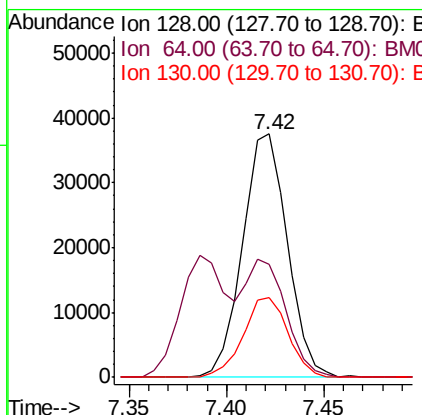
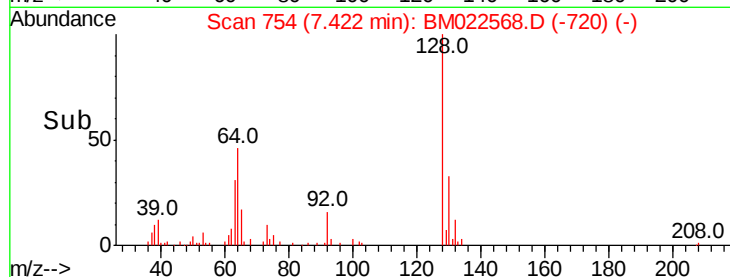
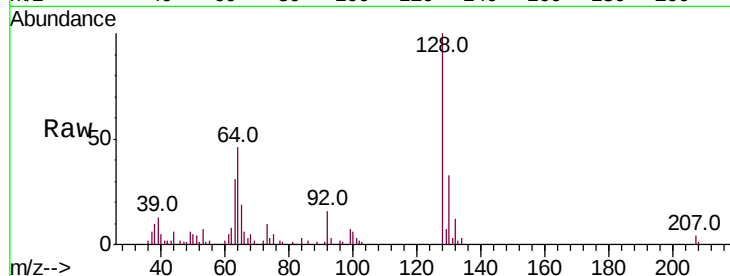
ClientSampled :

MDL-S-06

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 59876 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 64       | 46.2  | 36.0  | 54.0  |
| 130      | 32.5  | 26.1  | 39.1  |

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#11

2-Methylphenol

Concen: 2.875 ng/ul

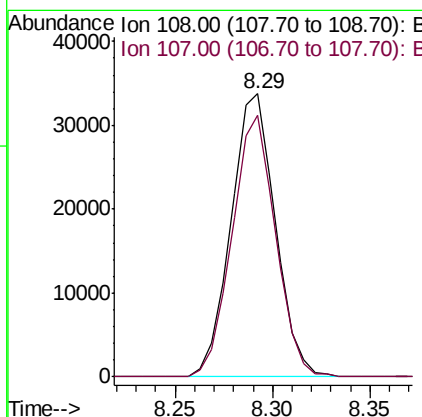
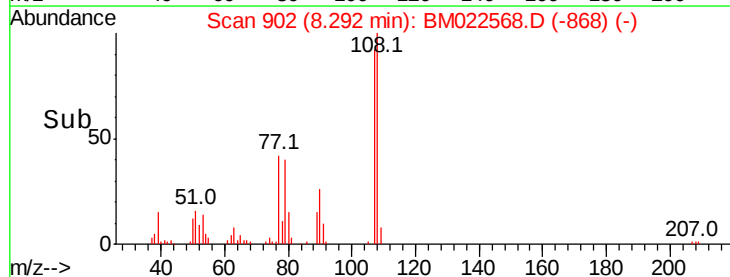
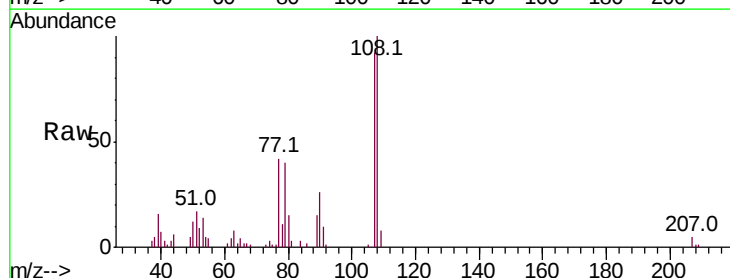
RT: 8.29 min Scan# 902

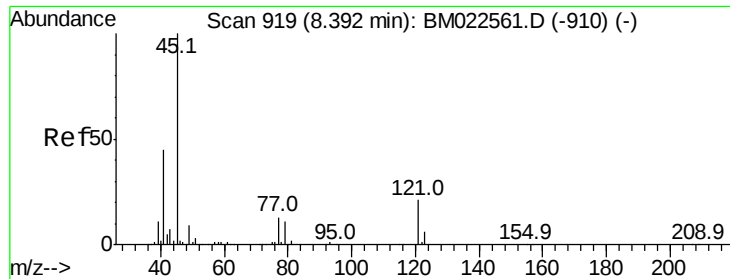
Delta R.T. 0.00 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 108   | Resp: | 53156 |
| Ion      | Ratio | Lower | Upper |
| 108      | 100   |       |       |
| 107      | 92.3  | 70.7  | 106.1 |





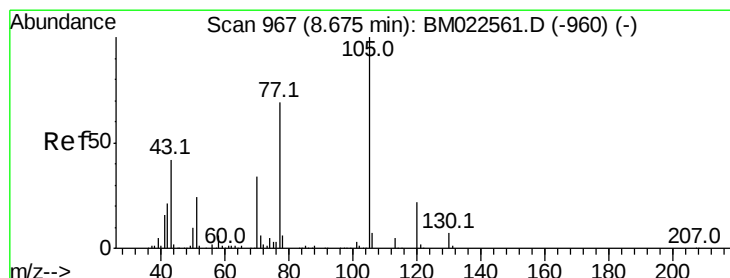
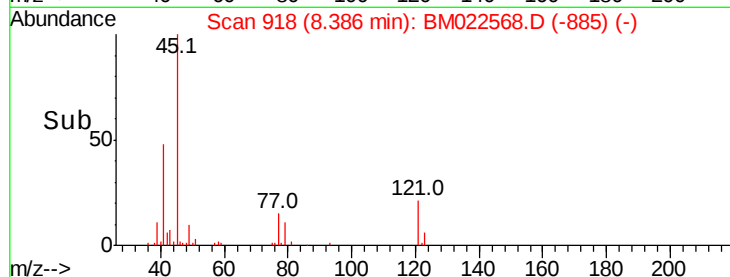
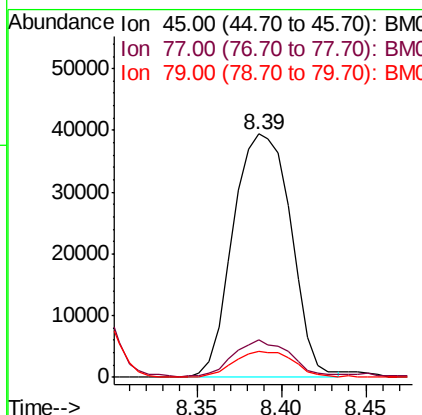
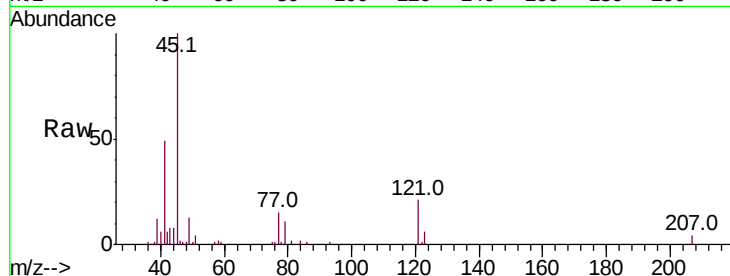
#12  
2,2'-oxvbis(1-Chloropropane)  
Concen: 3.549 ng/ul  
RT: 8.39 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampled :  
MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.3  | 11.6  | 17.4  |
| 79      | 10.7  | 9.0   | 13.6  |

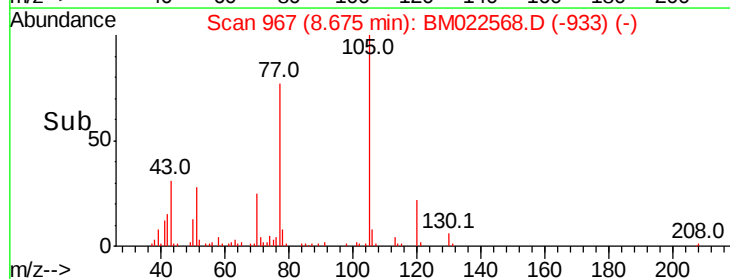
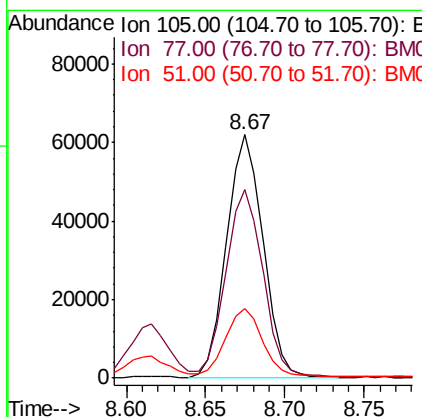
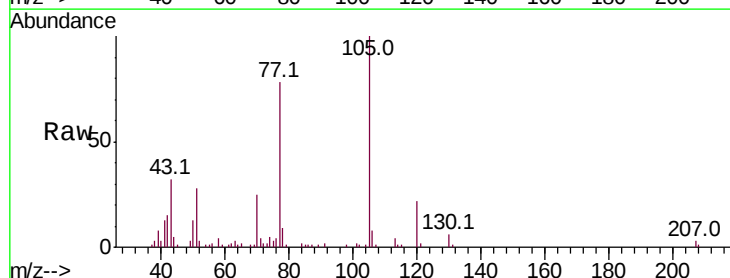
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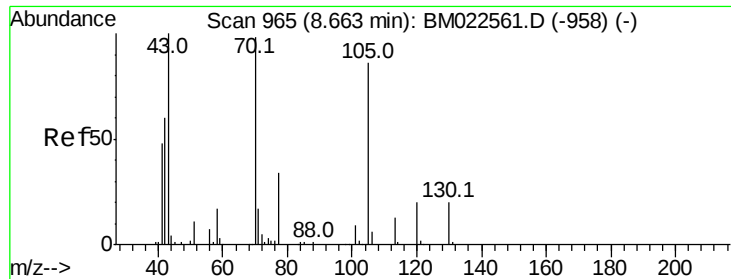
mohammad  
9/9/2019 4:13:42 PM



#14  
Acetophenone  
Concen: 3.459 ng/ul  
RT: 8.67 min Scan# 967  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 77      | 77.7  | 62.1  | 93.1  |
| 51      | 28.5  | 21.8  | 32.6  |





#15

N-Nitroso-di-n-propylamine

Concen: 3.227 ng/ul

RT: 8.66 min Scan# 965

Delta R.T. 0.00 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

Instrument :

BNA\_M

ClientSampleId :

MDL-S-06

Tot Ion: 70 Resp: 50132

Ion Ratio Lower Upper

70 100

42 60.6 48.3 72.5

101 10.2 8.2 12.2

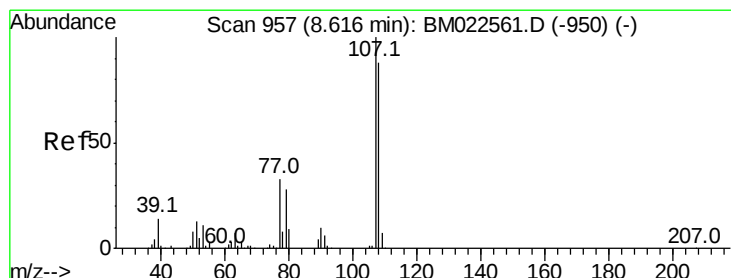
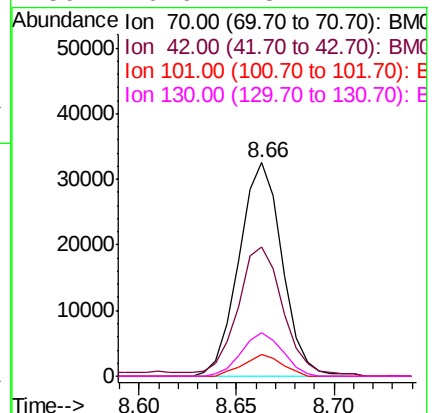
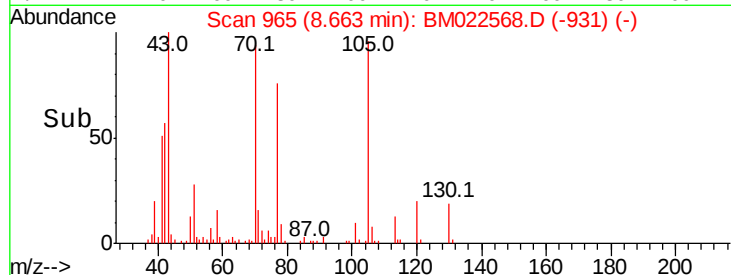
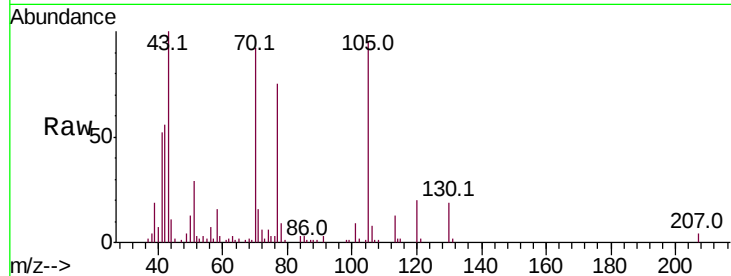
130 20.6 18.1 27.1

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#16

4-Methylphenol

Concen: 3.121 ng/ul

RT: 8.62 min Scan# 957

Delta R.T. 0.00 min

Lab File: BM022568.D

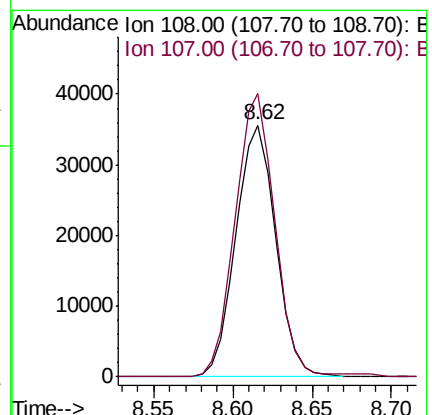
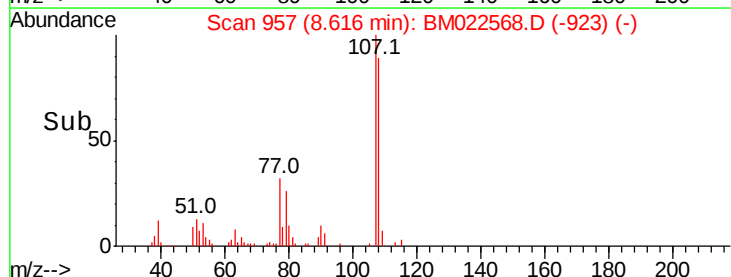
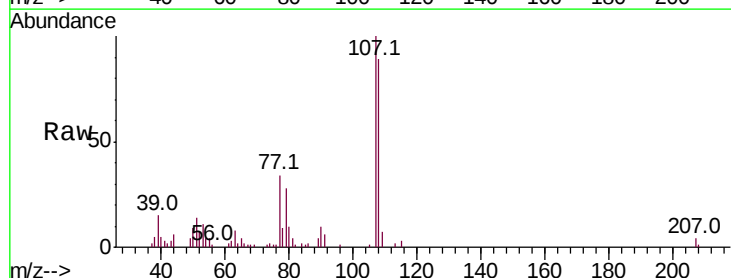
Acq: 07 Sep 2019 00:52

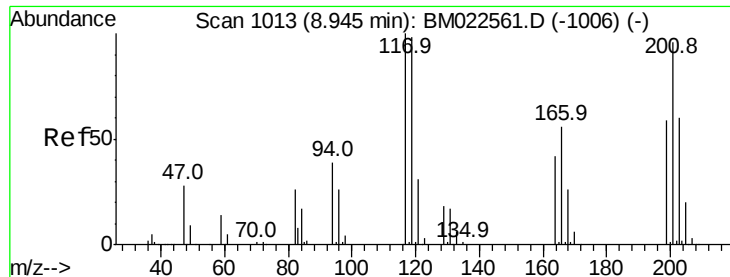
Tgt Ion: 108 Resp: 62295

Ion Ratio Lower Upper

108 100

107 112.3 87.2 130.8





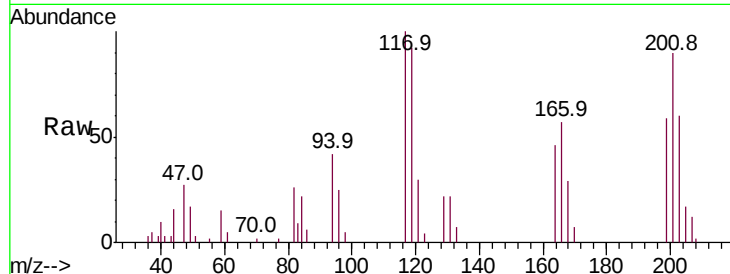
#17  
Hexachloroethane  
Concen: 3.259 ng/ul  
RT: 8.95 min Scan# 1013  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 89.8  | 77.6  | 116.4 |
| 199     | 59.0  | 47.6  | 71.4  |

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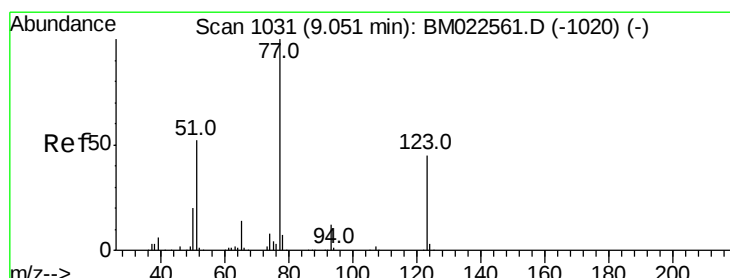
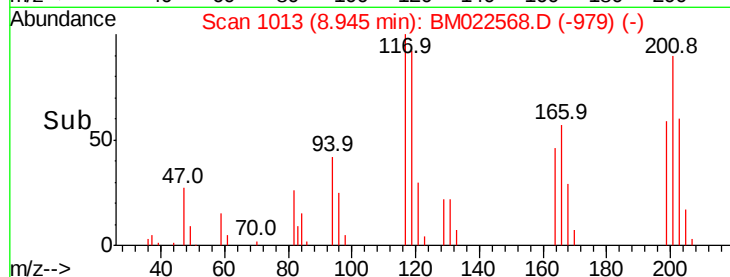
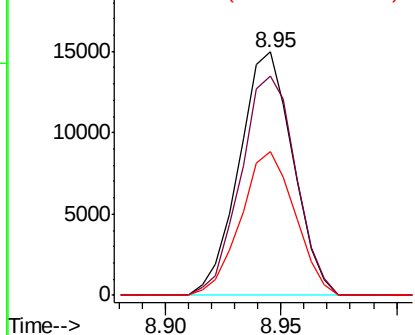


Abundance

Ion 117.00 (116.70 to 117.70): E

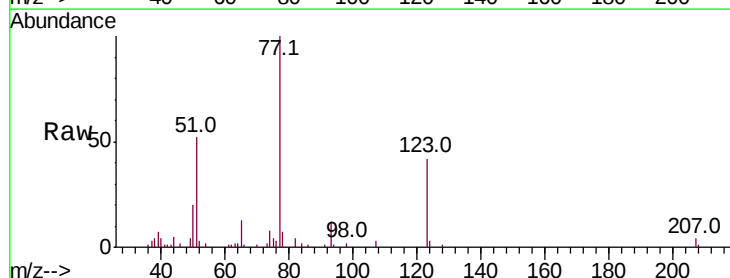
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20  
Nitrobenzene  
Concen: 3.624 ng/ul  
RT: 9.05 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 42.4  | 35.8  | 53.6  |
| 65      | 12.9  | 10.5  | 15.7  |

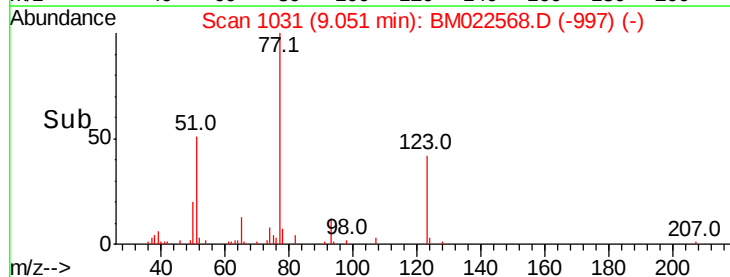
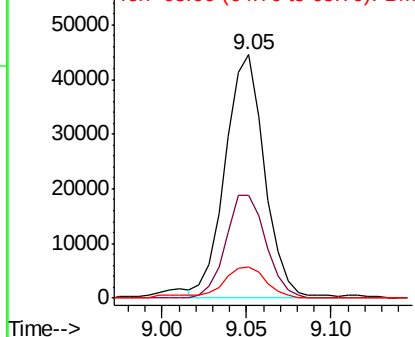


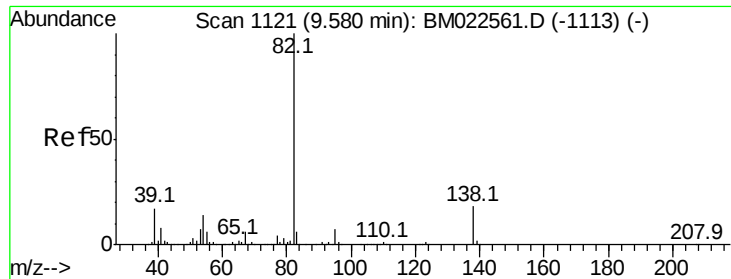
Abundance

Ion 77.00 (76.70 to 77.70): BM

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM





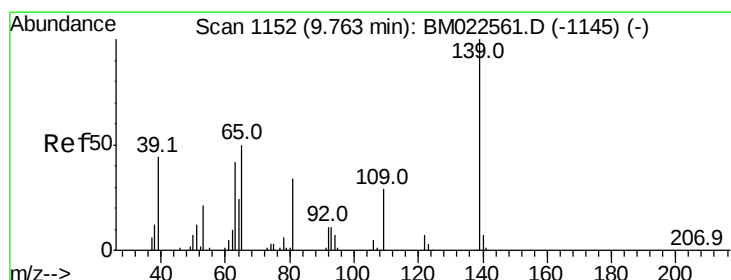
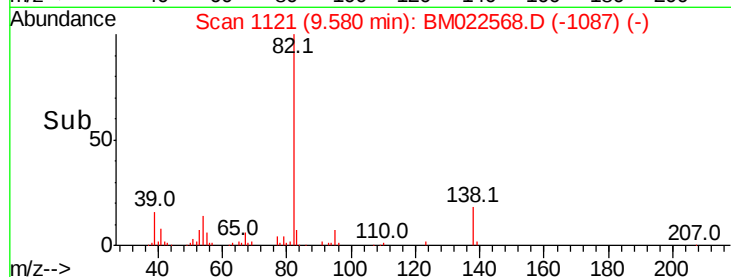
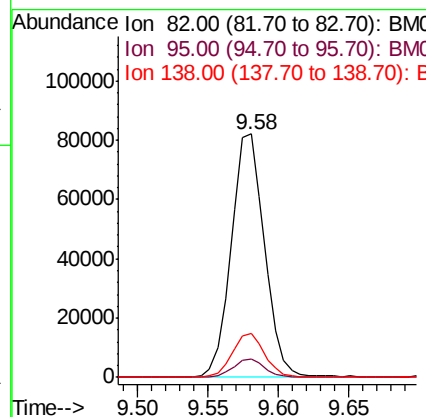
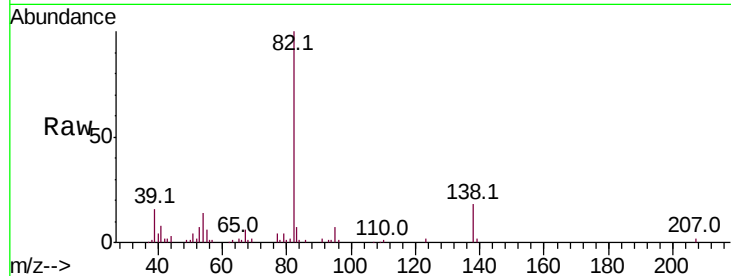
#21  
Isophorone  
Concen: 3.018 ng/ul  
RT: 9.58 min Scan# 1121  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 135137 |       |       |
| 95      | 7.3   |        | 5.6   | 8.4   |
| 138     | 18.1  |        | 14.4  | 21.6  |

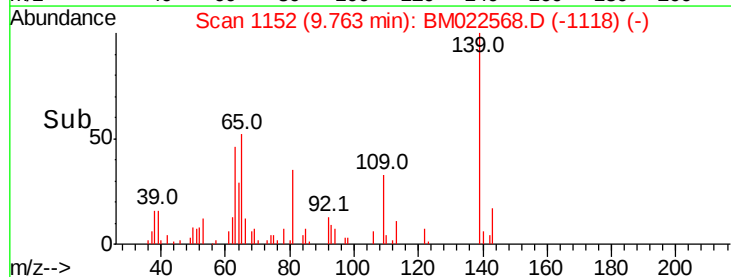
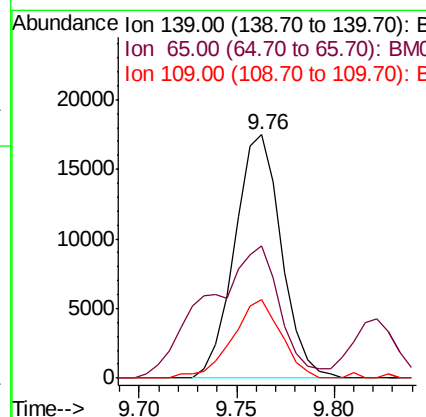
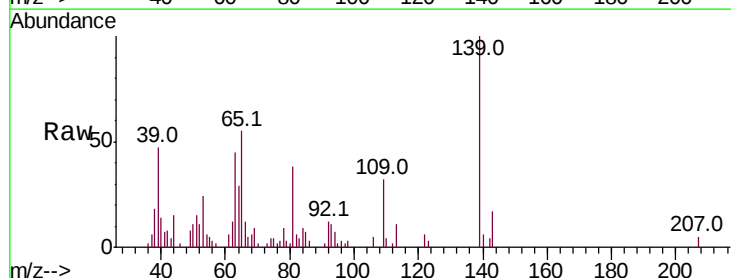
Manual Integrations  
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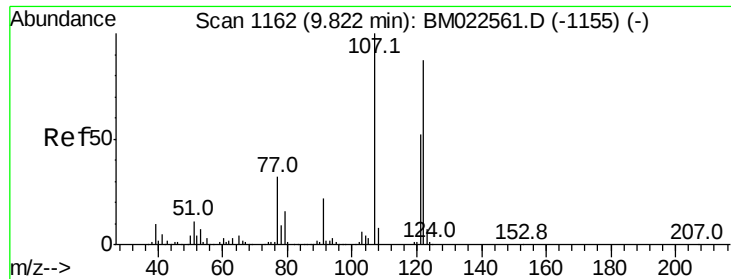
mohammad  
9/9/2019 4:13:42 PM



#23  
2-Nitrophenol  
Concen: 3.310 ng/ul  
RT: 9.76 min Scan# 1152  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 28939 |       |       |
| 65      | 54.5  |       | 39.3  | 58.9  |
| 109     | 32.0  |       | 23.5  | 35.3  |





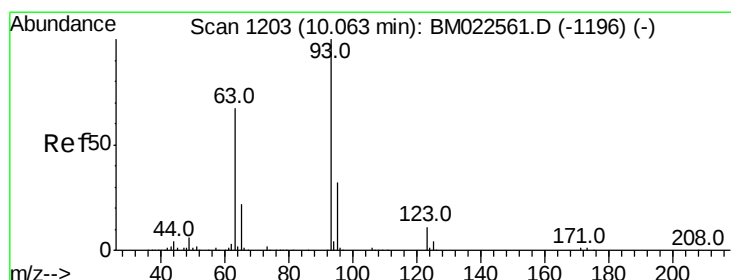
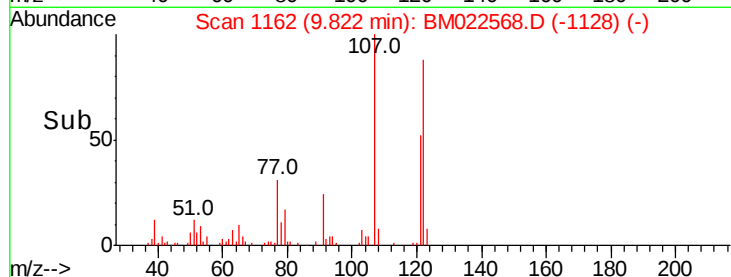
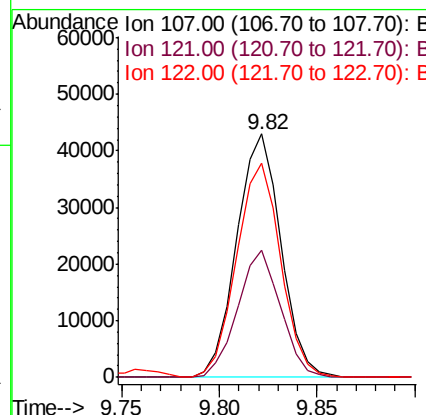
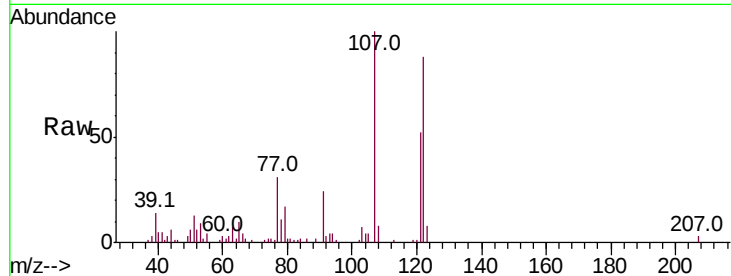
#24  
 2,4-Dimethylphenol  
 Concen: 3.076 ng/ul  
 RT: 9.82 min Scan# 1162  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampled :  
 MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 121     | 52.1  | 40.2  | 60.4  |
| 122     | 88.2  | 70.2  | 105.2 |

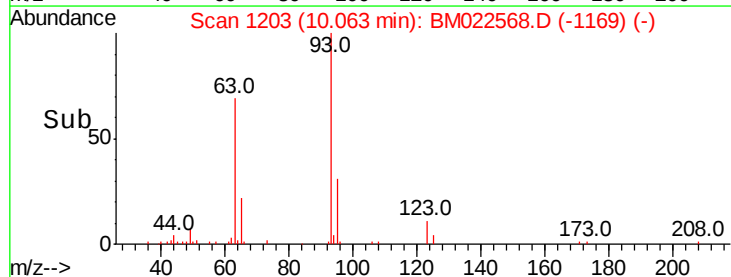
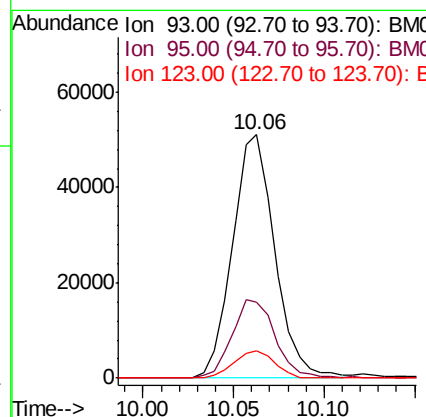
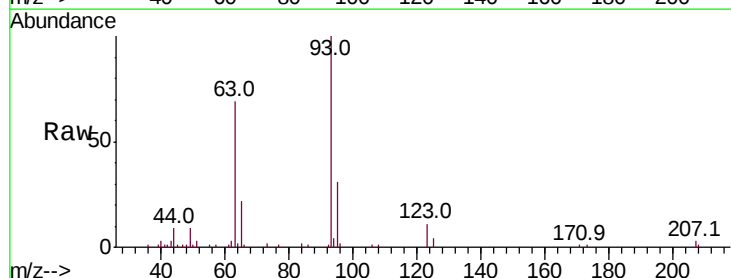
Manual Integrations  
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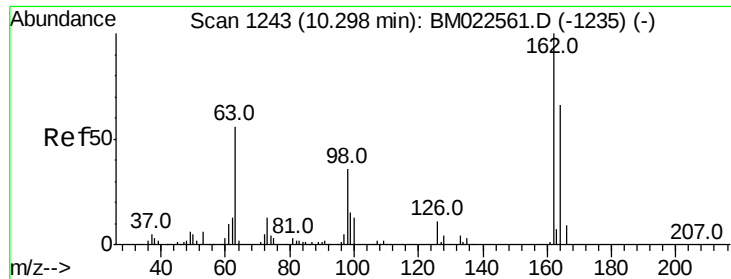
mohammad  
 9/9/2019 4:13:42 PM



#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 3.155 ng/ul  
 RT: 10.06 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.4  | 26.1  | 39.1  |
| 123     | 11.0  | 9.2   | 13.8  |





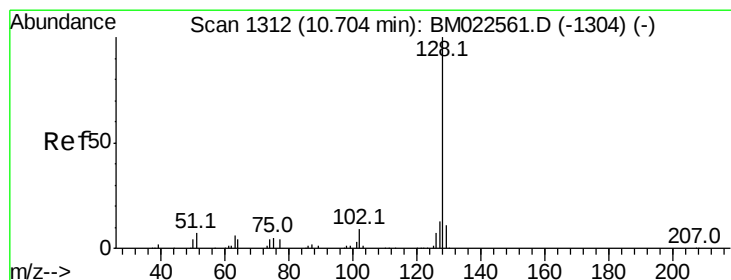
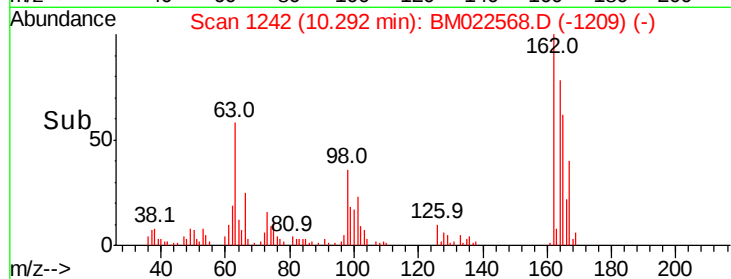
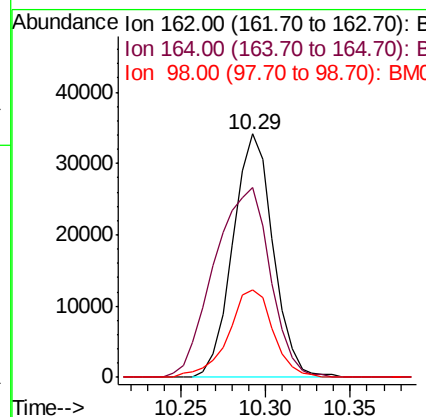
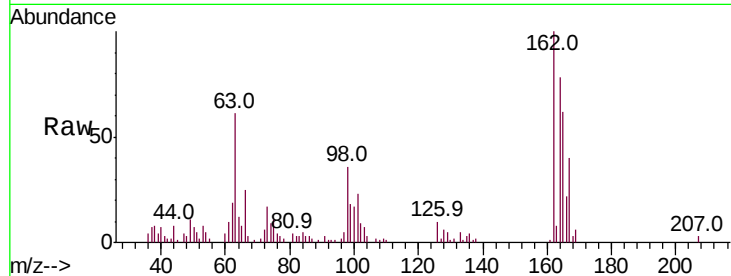
#27  
2,4-Dichlorophenol  
Concen: 3.066 ng/ul  
RT: 10.29 min Scan# 1242  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 77.8  | 52.1       | 78.1  |
| 98      | 36.2  | 28.9       | 43.3  |

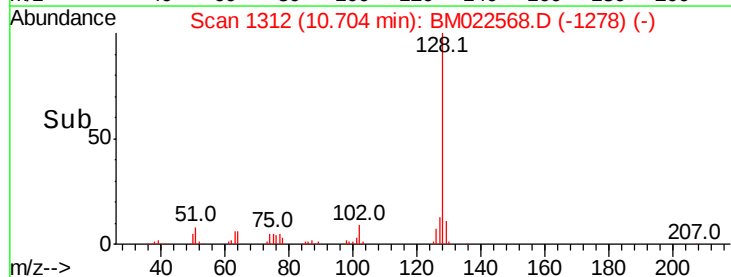
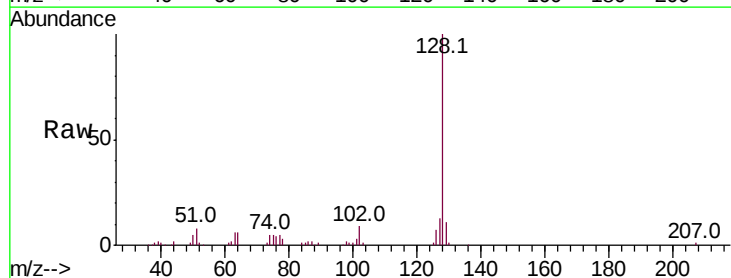
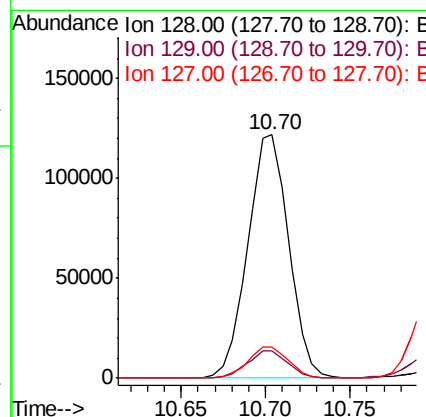
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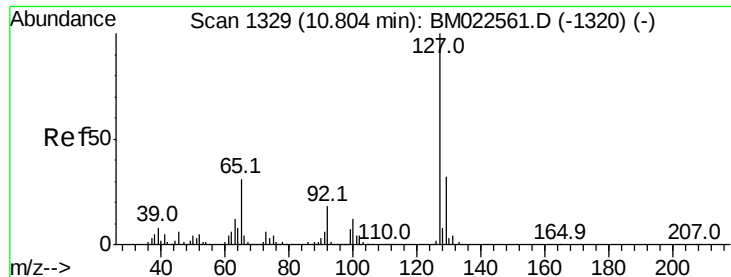
mohammad  
9/9/2019 4:13:42 PM



#28  
Naphthalene  
Concen: 3.349 ng/ul  
RT: 10.70 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 129     | 11.0  | 8.9        | 13.3  |
| 127     | 12.8  | 10.6       | 16.0  |





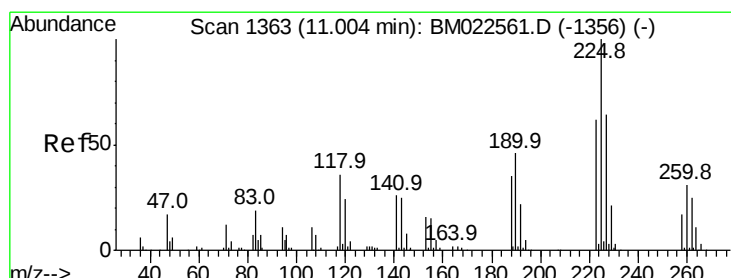
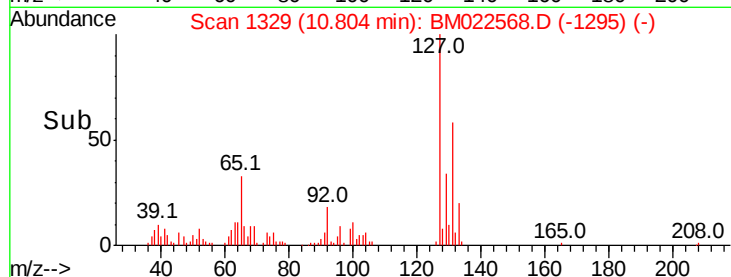
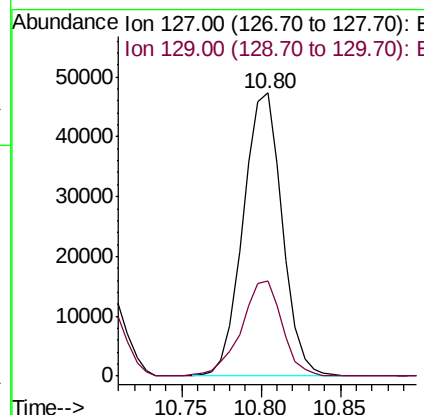
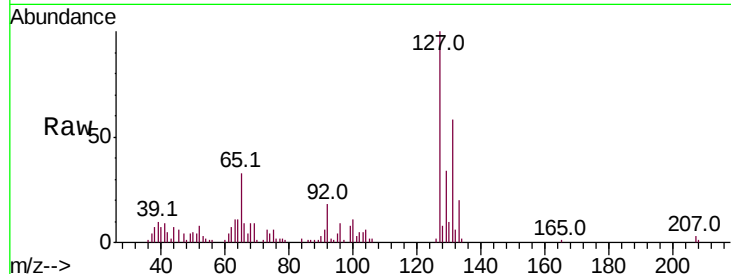
#30  
4-Chloroaniline  
Concen: 3.198 ng/ul  
RT: 10.80 min Scan# 1329  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampled :  
MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.7  | 25.4  | 38.2  |

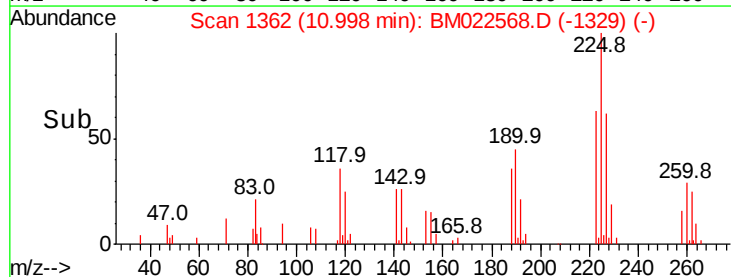
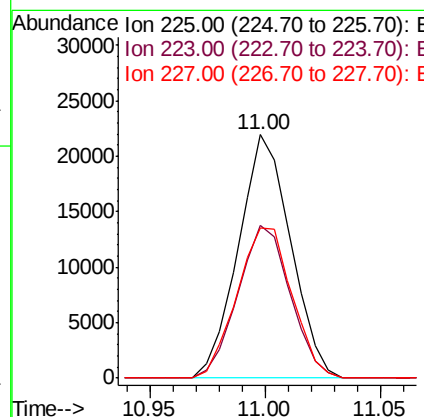
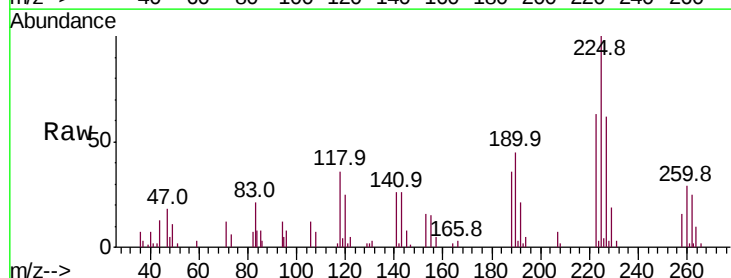
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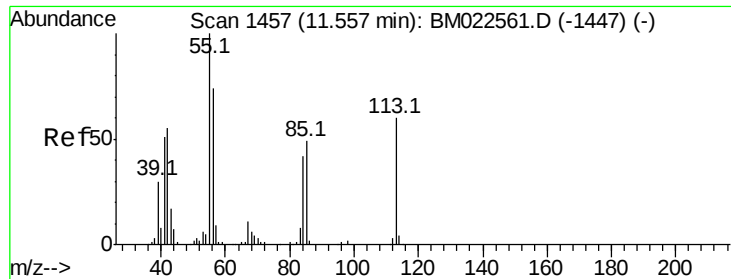
mohammad  
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#31  
Hexachlorobutadiene  
Concen: 3.046 ng/ul  
RT: 11.00 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.6  | 50.1  | 75.1  |
| 227     | 61.6  | 51.8  | 77.8  |





#32

Caprolactam

Concen: 2.432 ng/ul m

RT: 11.59 min Scan# 1462

Delta R.T. 0.03 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

Instrument :

BNA\_M

ClientSampleId :

MDL-S-06

Tot Ion:113 Resp: 16716

Ion Ratio Lower Upper

113 100

55 168.9 135.6 203.4

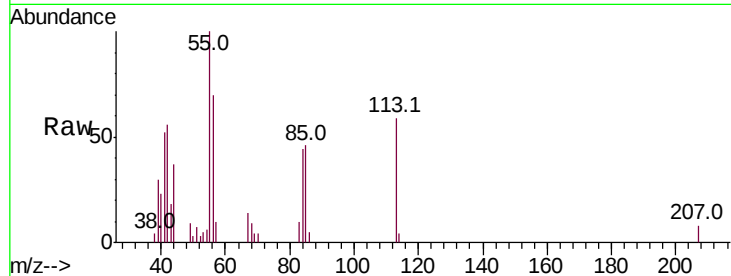
56 118.8 98.4 147.6

Manual Integrations

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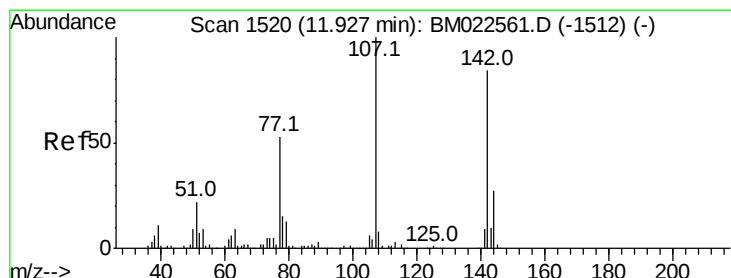
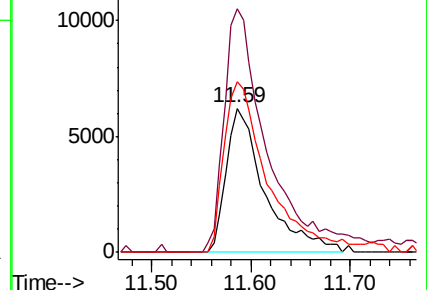
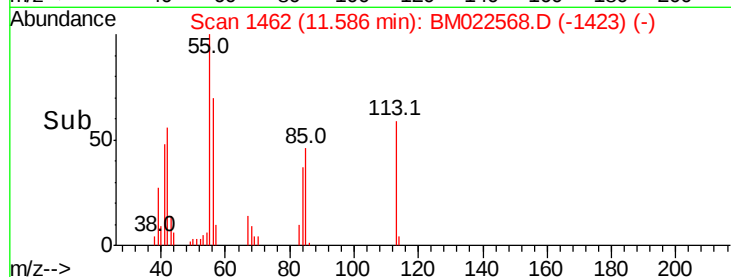
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#33

4-Chloro-3-methylphenol

Concen: 2.848 ng/ul

RT: 11.92 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

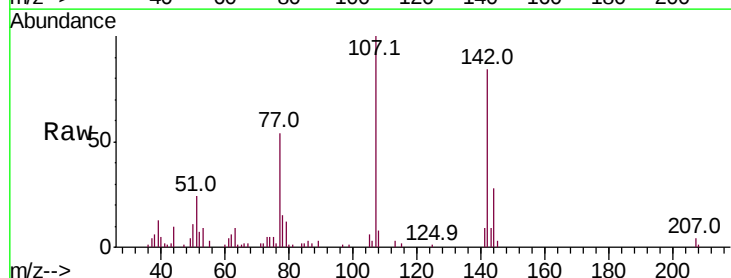
Tgt Ion:107 Resp: 58029

Ion Ratio Lower Upper

107 100

144 27.5 22.6 34.0

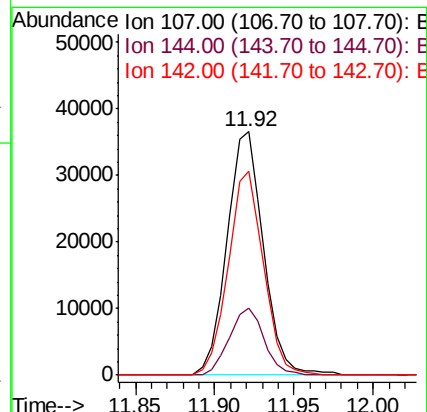
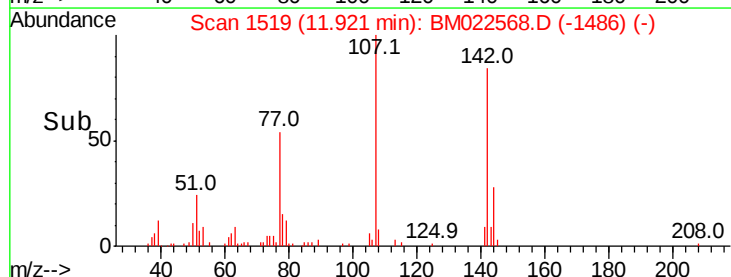
142 83.7 67.0 100.4

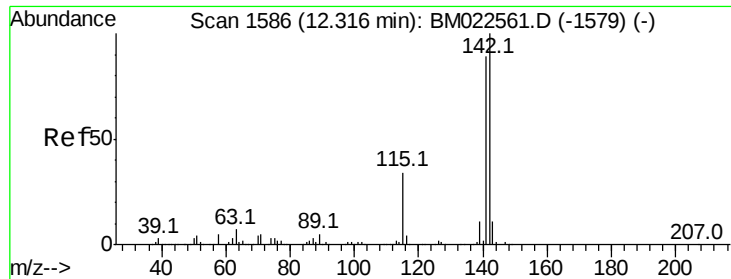


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





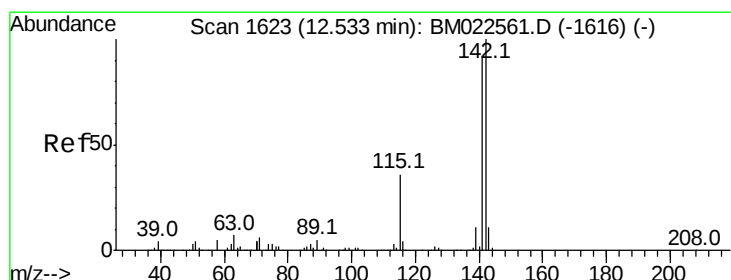
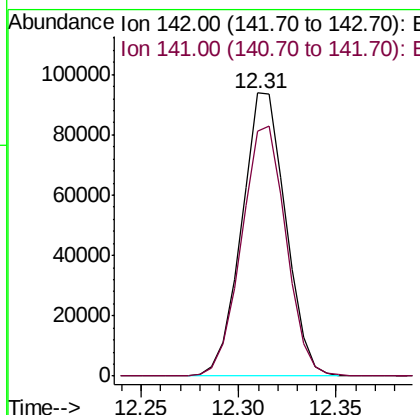
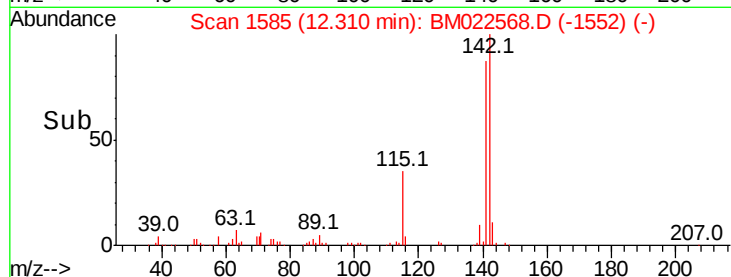
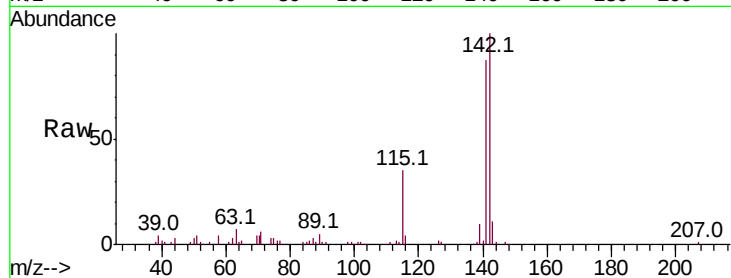
#34  
2-Methylnaphthalene  
Concen: 3.169 ng/ul  
RT: 12.31 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.8  | 71.0  | 106.4 |

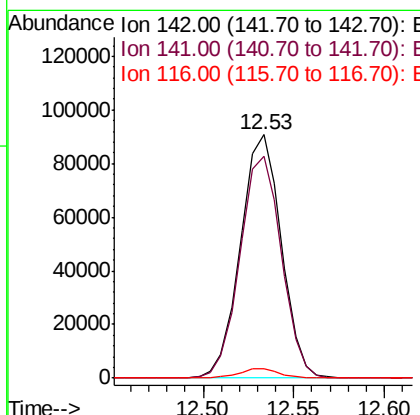
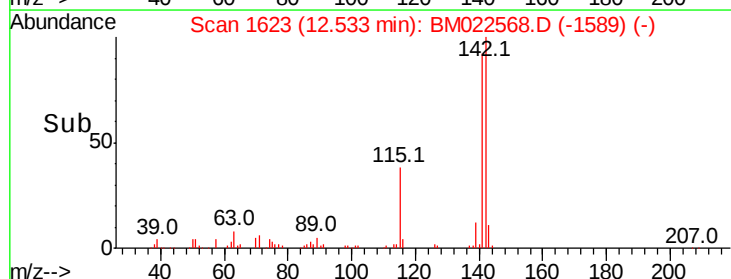
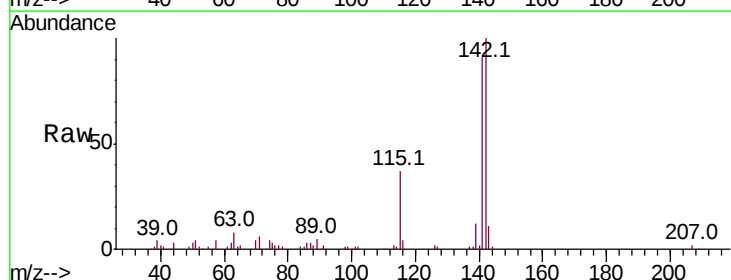
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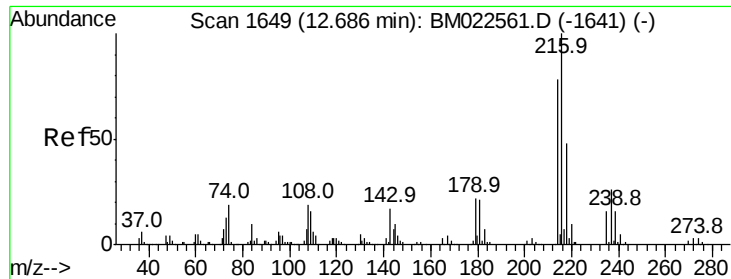
mohammad  
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#35  
1-Methylnaphthalene  
Concen: 3.214 ng/ul  
RT: 12.53 min Scan# 1623  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.1  | 72.6  | 108.8 |
| 116     | 3.7   | 3.0   | 4.4   |





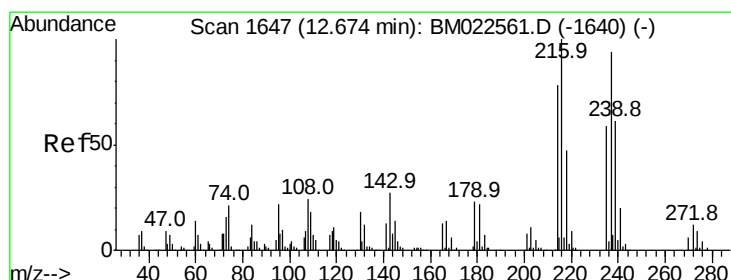
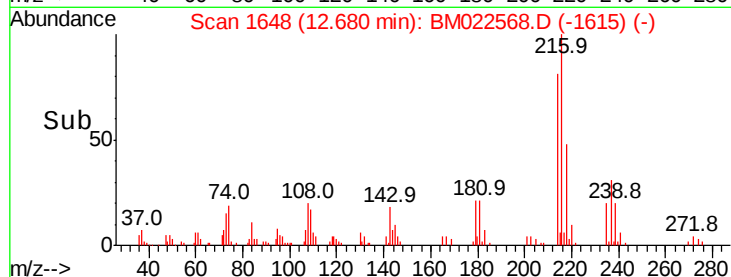
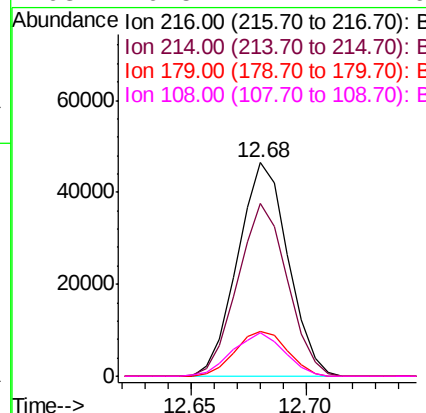
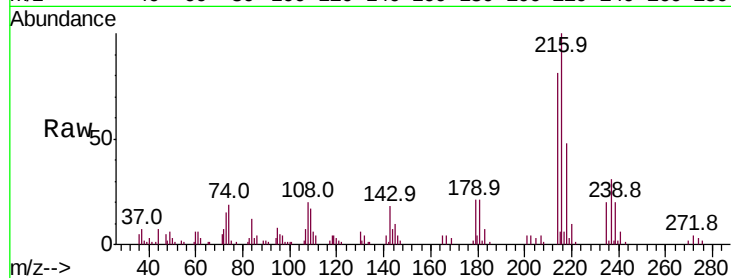
#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 3.087 ng/ul  
 RT: 12.68 min Scan# 1648  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 80.9  | 63.4  | 95.0  |
| 179     | 21.0  | 16.7  | 25.1  |
| 108     | 20.5  | 14.4  | 21.6  |

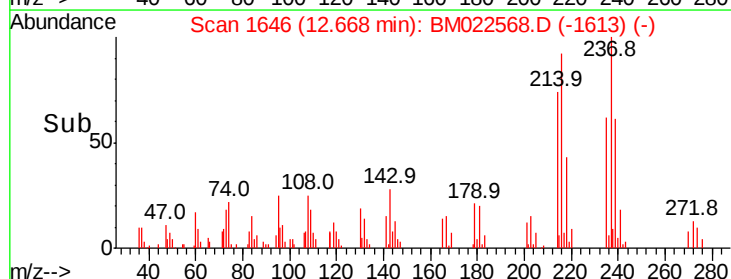
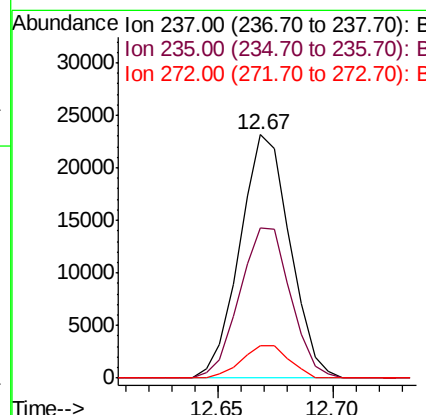
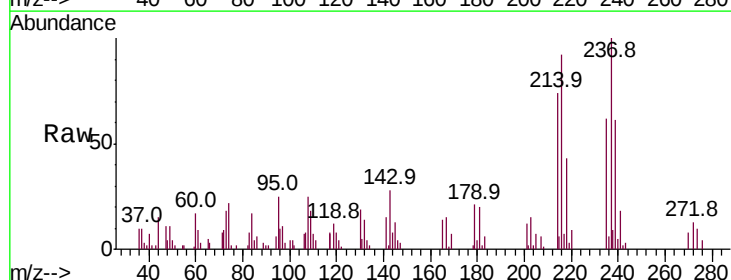
Manual Integrations  
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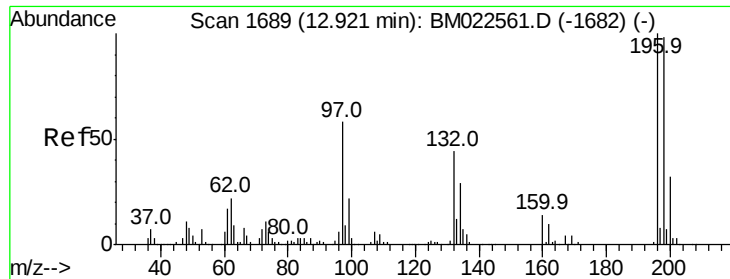
mohammad  
 9/9/2019 4:13:42 PM



#38  
 Hexachlorocyclopentadiene  
 Concen: 2.478 ng/ul  
 RT: 12.67 min Scan# 1646  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 61.8  | 50.1  | 75.1  |
| 272     | 13.1  | 10.2  | 15.4  |





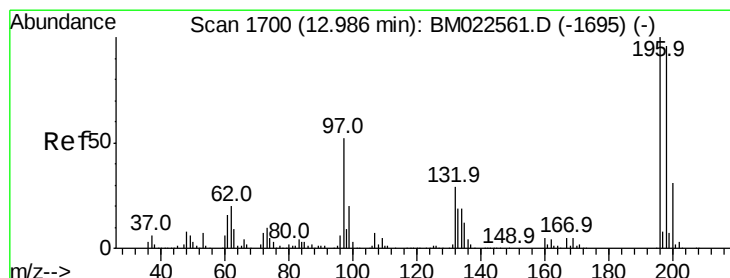
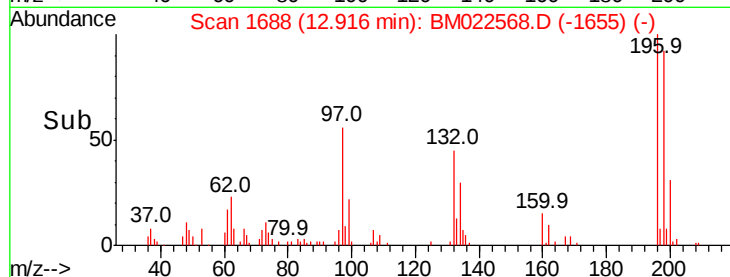
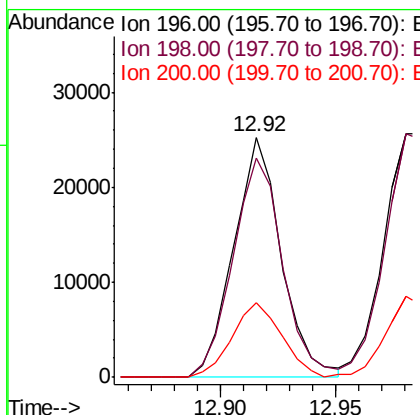
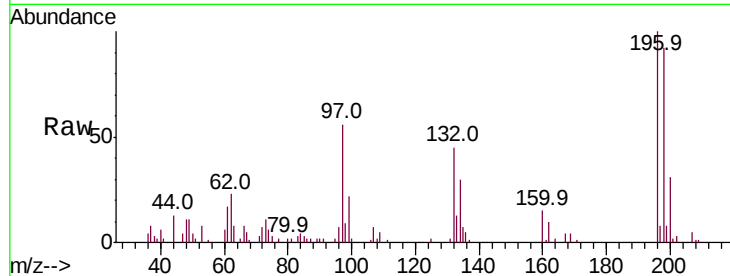
#39  
 2,4,6-Trichlorophenol  
 Concen: 2.528 ng/ul  
 RT: 12.92 min Scan# 1688  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleID :  
 MDL-S-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 36291 |       |       |
| 198     | 91.5  | 77.7  | 116.5 |       |
| 200     | 31.2  | 24.6  | 37.0  |       |

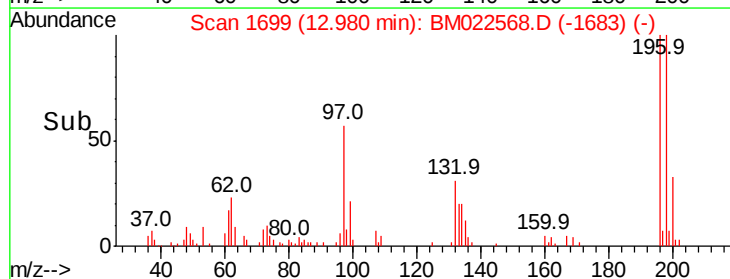
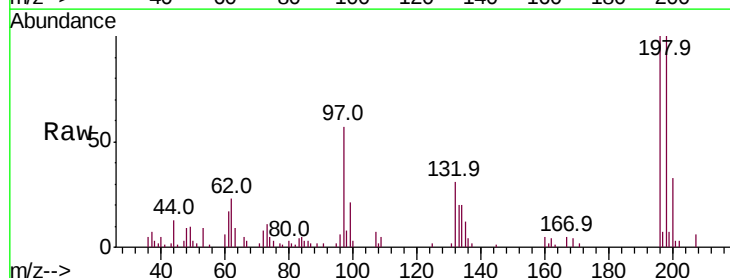
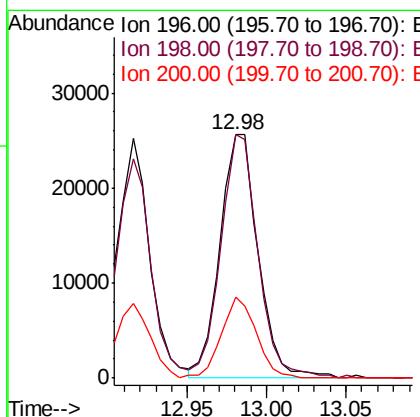
Manual Integrations  
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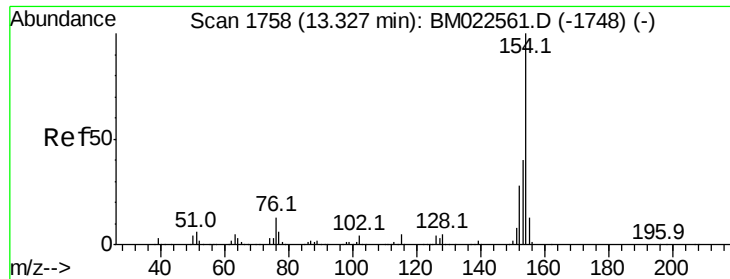
mohammad  
 9/9/2019 4:13:42 PM



#40  
 2,4,5-Trichlorophenol  
 Concen: 2.756 ng/ul  
 RT: 12.98 min Scan# 1699  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 42894 |       |       |
| 198     | 99.8  | 77.4  | 116.0 |       |
| 200     | 33.1  | 24.0  | 36.0  |       |





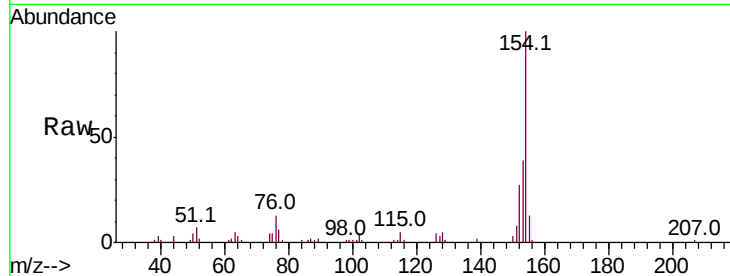
#41  
 1,1'-Biphenyl  
 Concen: 3.316 ng/ul  
 RT: 13.32 min Scan# 1757  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

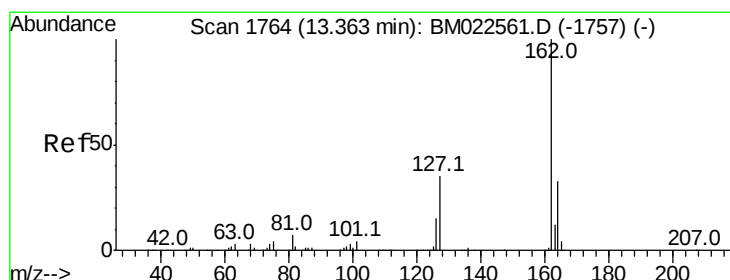
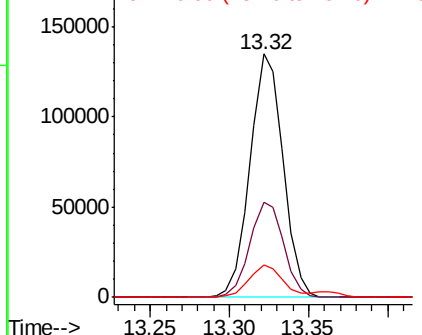
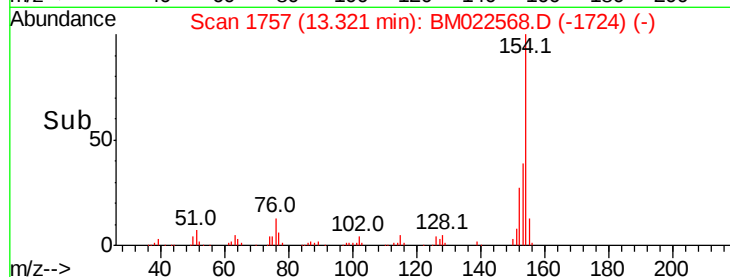
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 196239 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 39.2  | 32.1  | 48.1   |
| 76        | 13.1  | 10.2  | 15.2   |

Manual Integrations  
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 9/9/2019 4:13:42 PM

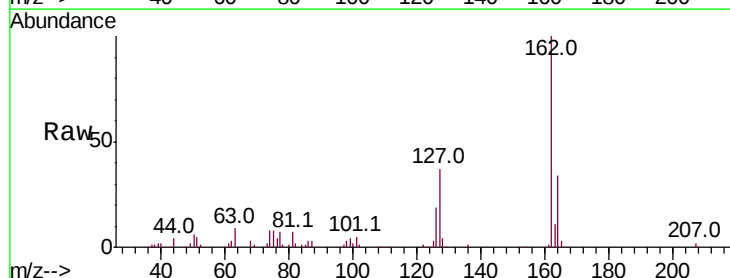


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BM

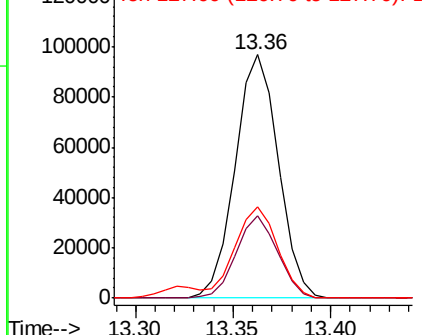
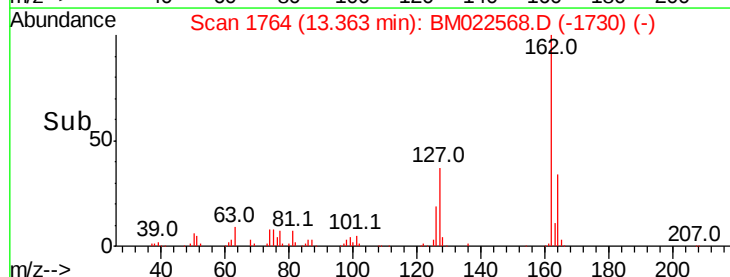


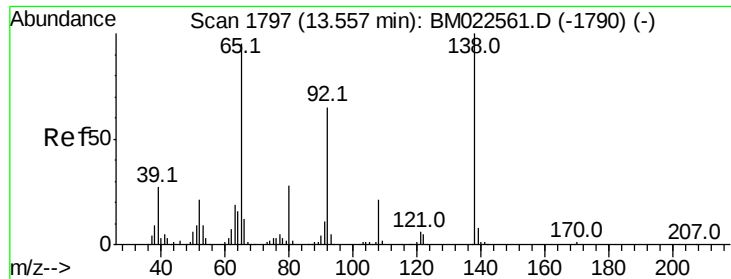
#42  
 2-Chloronaphthalene  
 Concen: 3.309 ng/ul  
 RT: 13.36 min Scan# 1764  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 148233 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 33.6  | 26.1  | 39.1   |
| 127       | 37.3  | 30.1  | 45.1   |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 127.00 (126.70 to 127.70): E





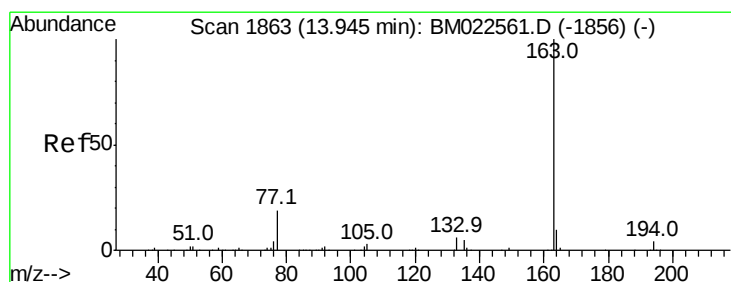
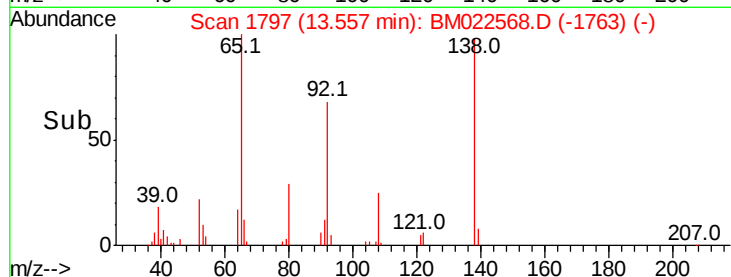
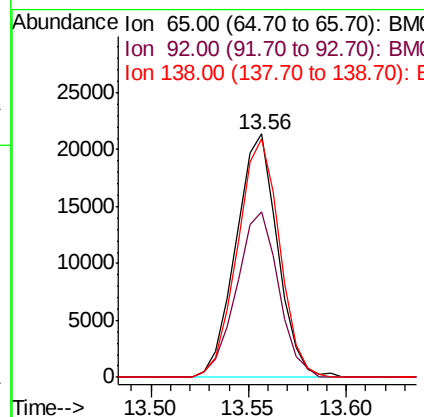
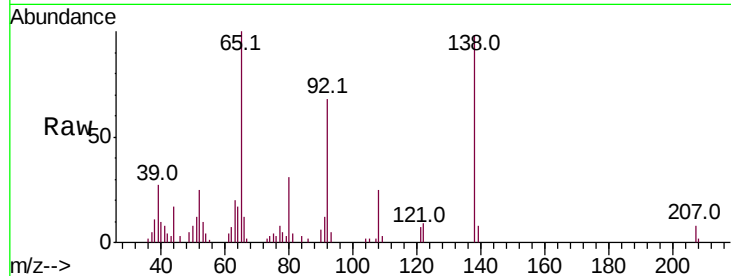
#43  
2-Nitroaniline  
Concen: 3.019 ng/ul  
RT: 13.56 min Scan# 1797  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampled :  
MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.8  | 55.7  | 83.5  |
| 138     | 98.0  | 86.0  | 129.0 |

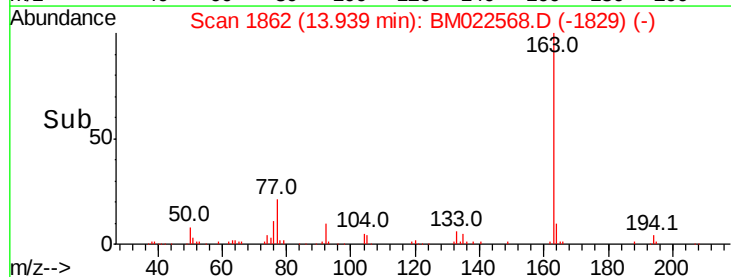
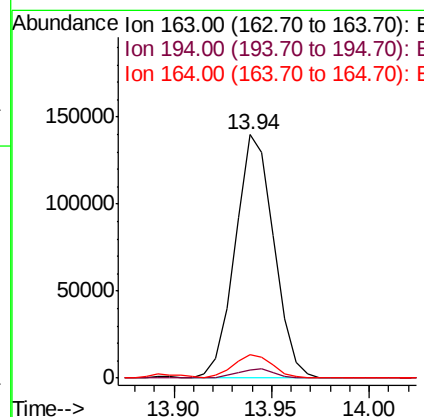
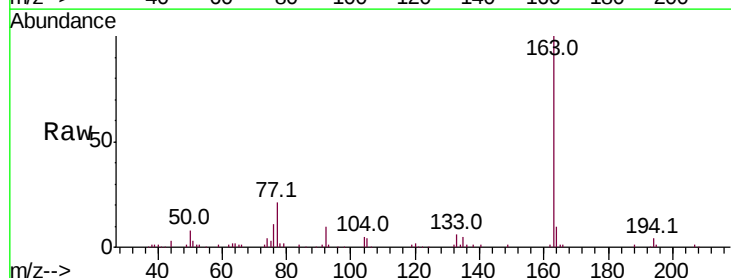
Manual Integrations  
APPROVED

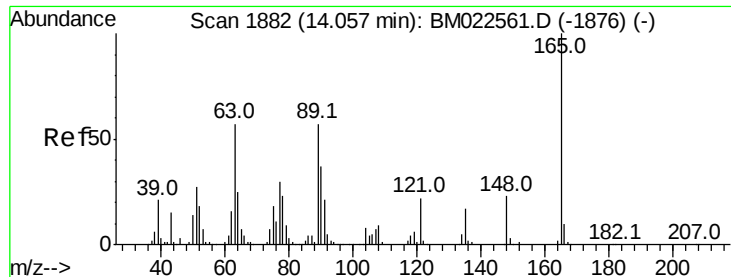
mohammad  
9/9/2019 4:13:42 PM



#45  
Dimethylphthalate  
Concen: 3.285 ng/ul  
RT: 13.94 min Scan# 1862  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 3.2   | 4.8   |
| 164     | 9.8   | 7.8   | 11.8  |





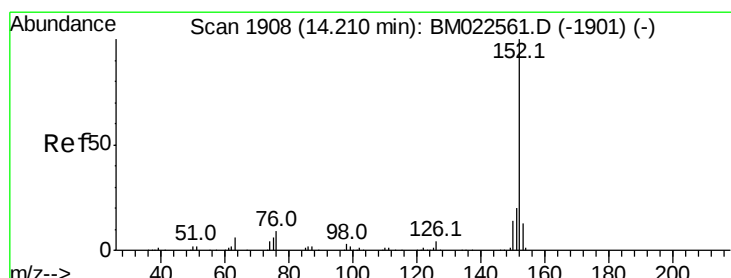
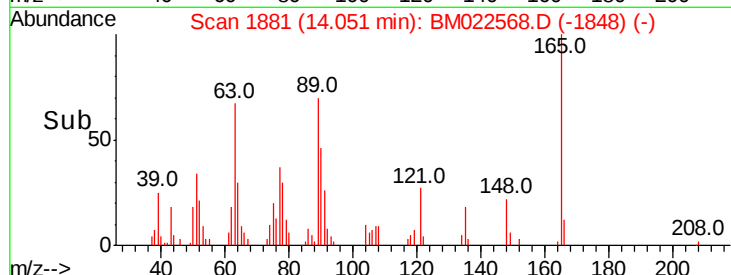
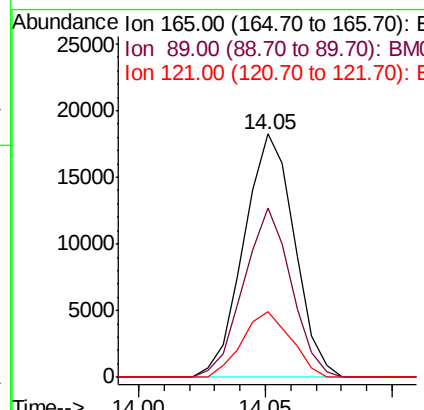
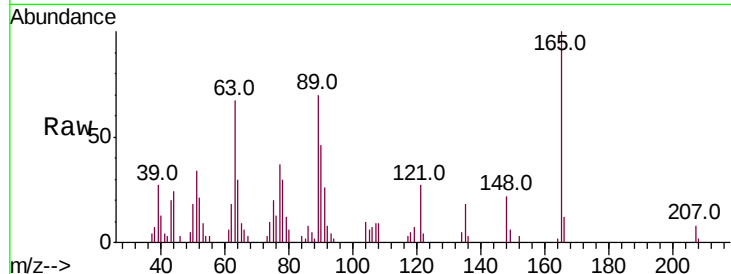
#46  
2,6-Dinitrotoluene  
Concen: 2.670 ng/ul  
RT: 14.05 min Scan# 1881  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 89      | 69.8  | 47.7  | 71.5  |
| 121     | 27.0  | 18.4  | 27.6  |

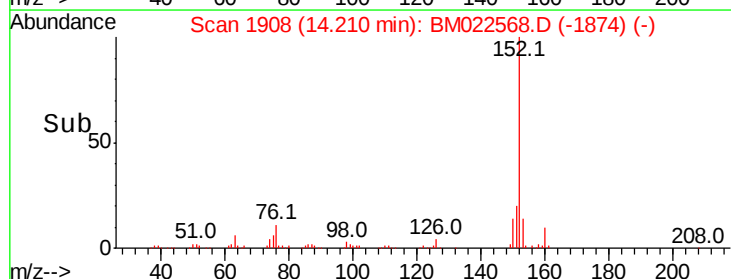
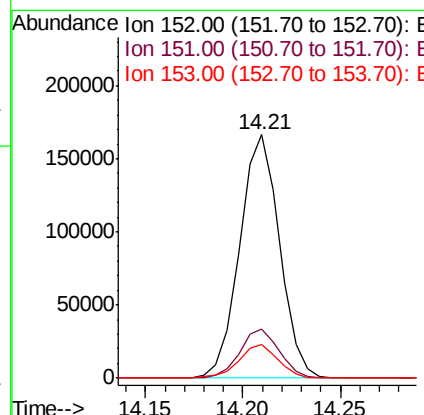
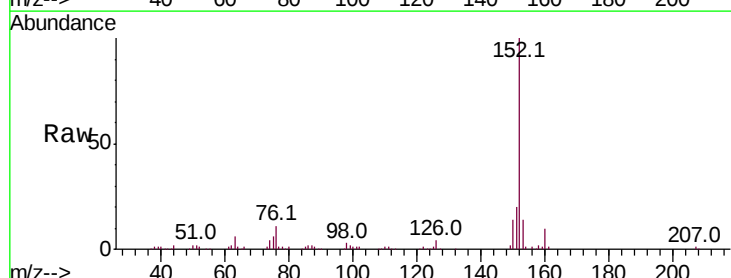
Manual Integrations  
APPROVED

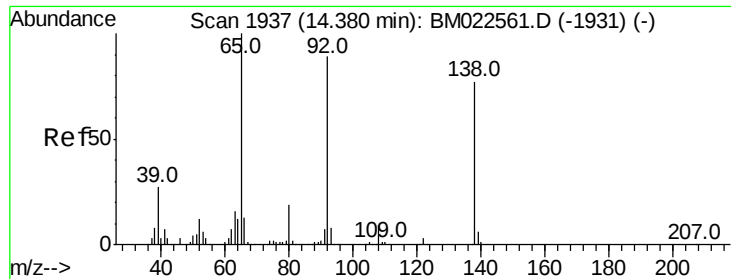
mohammad  
9/9/2019 4:13:42 PM



#48  
Acenaphthylene  
Concen: 3.291 ng/ul  
RT: 14.21 min Scan# 1908  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.3  | 15.8  | 23.8  |
| 153     | 13.7  | 10.4  | 15.6  |





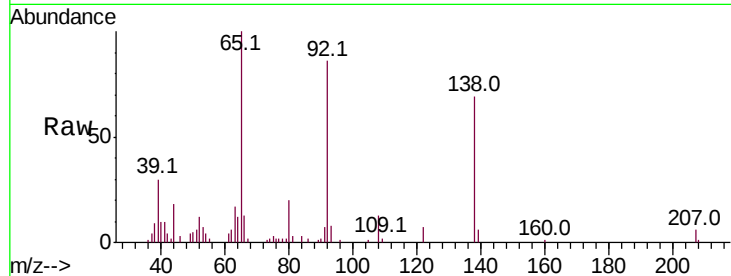
#49  
3-Nitroaniline  
Concen: 2.536 ng/ul  
RT: 14.37 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 18.1  | 13.5  | 20.3  |
| 92      | 123.7 | 93.7  | 140.5 |

Manual Integrations  
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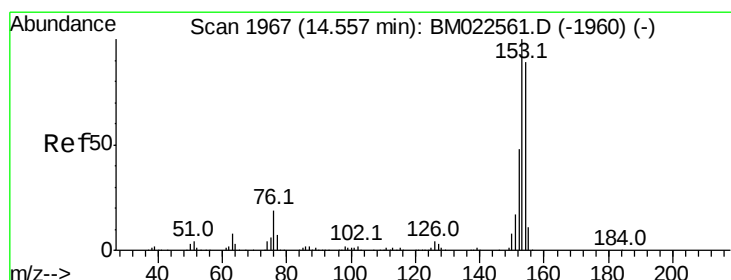
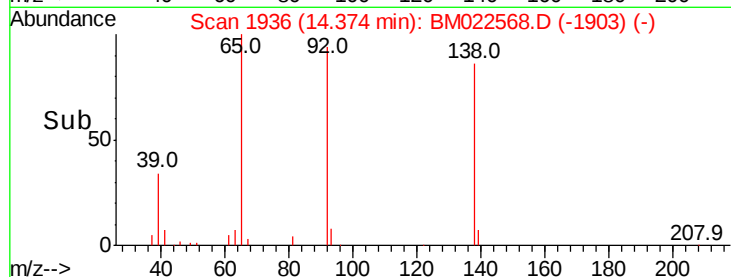
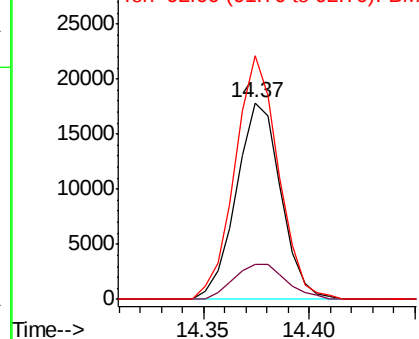


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#50  
Acenaphthene  
Concen: 3.242 ng/ul  
RT: 14.55 min Scan# 1966  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

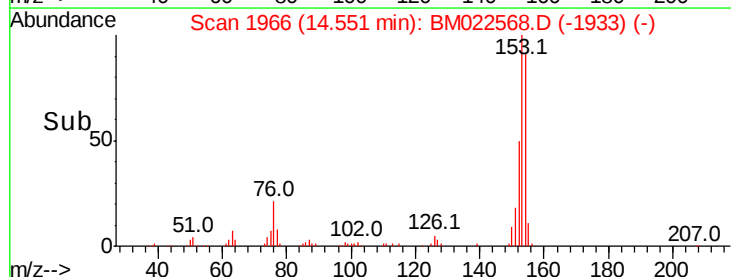
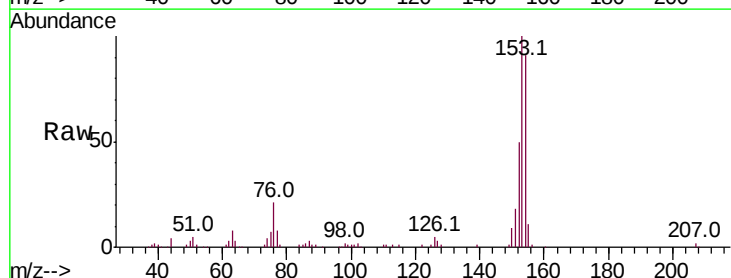
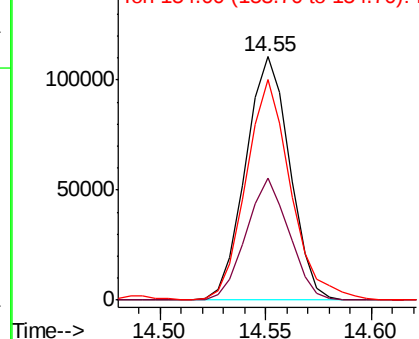
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 50.0  | 37.5  | 56.3  |
| 154     | 90.6  | 71.4  | 107.0 |

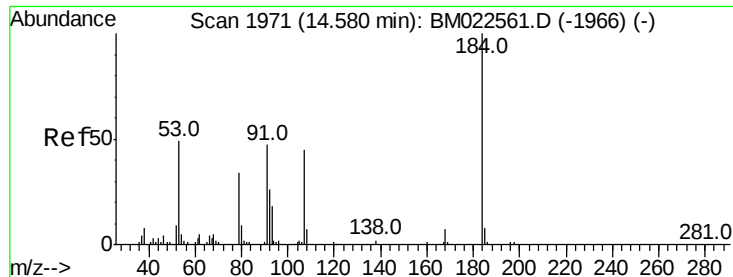
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





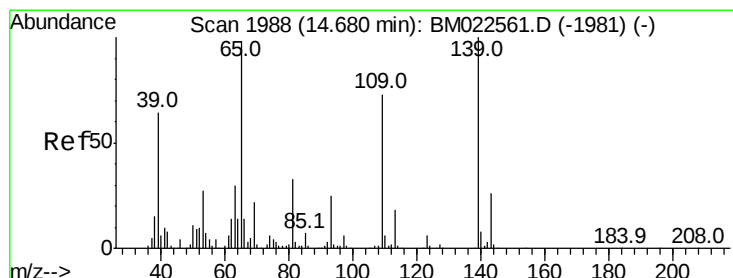
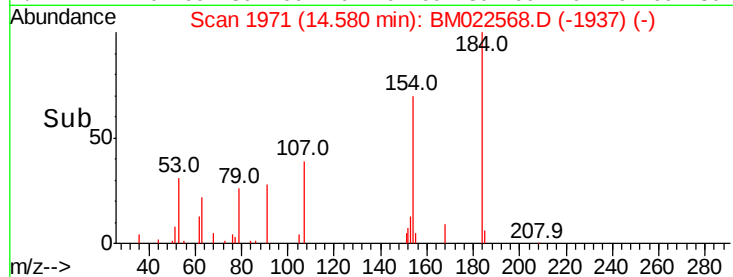
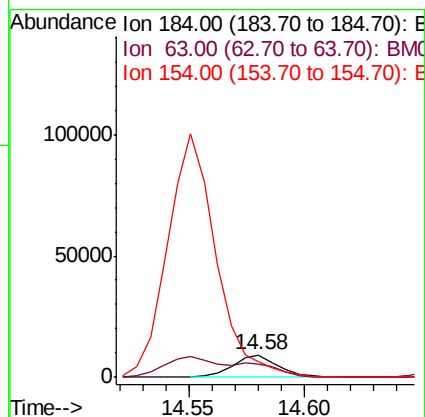
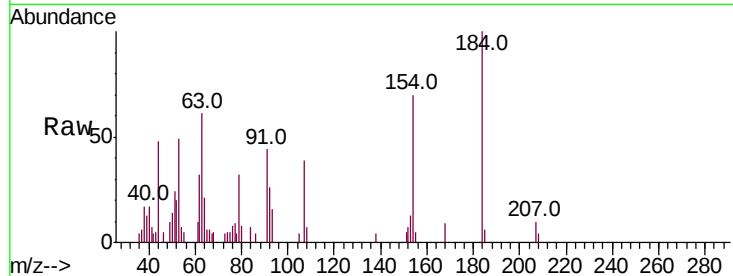
#51  
2,4-Dinitrophenol  
Concen: 2.900 ng/ul  
RT: 14.58 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 12662 |       |       |
| 63      | 61.4  | 51.5  | 77.3  |       |
| 154     | 70.0  | 81.9  | 122.9 |       |

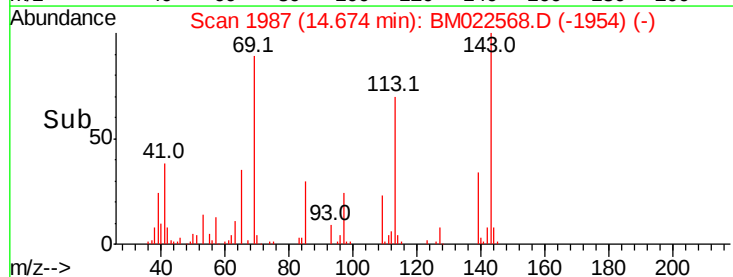
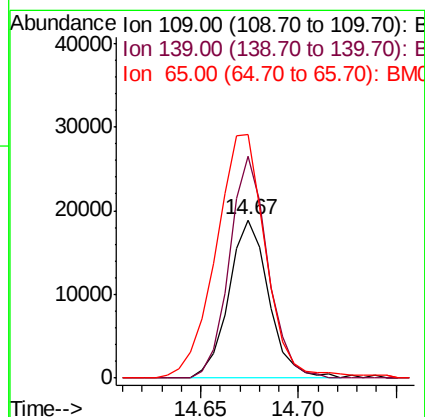
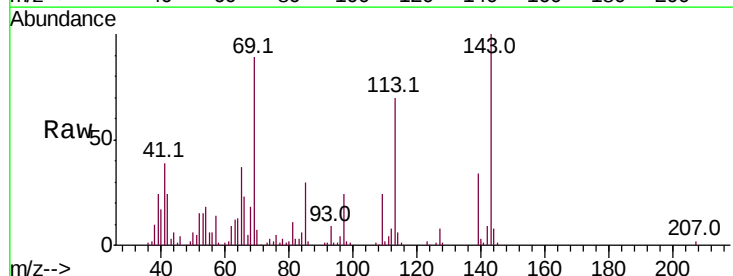
Manual Integrations  
APPROVED

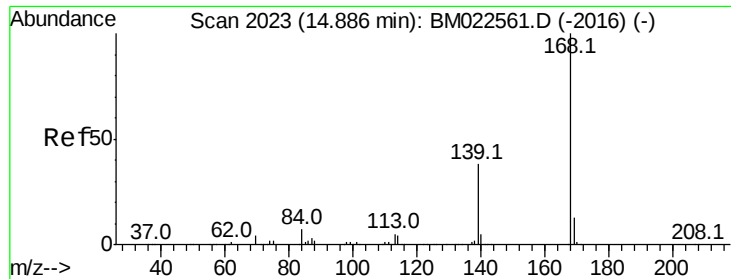
mohammad  
9/9/2019 4:13:42 PM



#53  
4-Nitrophenol  
Concen: 3.391 ng/ul  
RT: 14.67 min Scan# 1987  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 109     | 100   | 26797 |       |       |
| 139     | 140.1 | 107.6 | 161.4 |       |
| 65      | 153.9 | 101.9 | 152.9 |       |





#54

Dibenzofuran

Concen: 3.296 ng/ul

RT: 14.89 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

Instrument :

BNA\_M

ClientSampleId :

MDL-S-06

Tot Ion:168 Resp: 226702

Ion Ratio Lower Upper

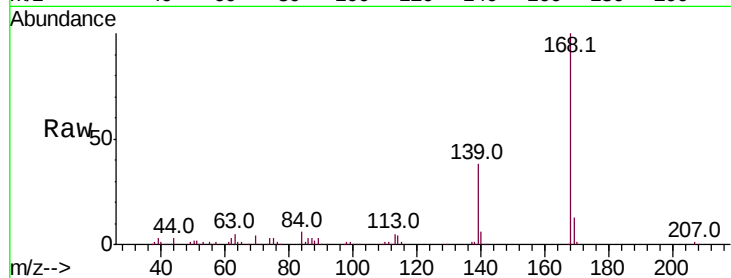
168 100

139 37.9 29.5 44.3

Manual Integrations  
APPROVED

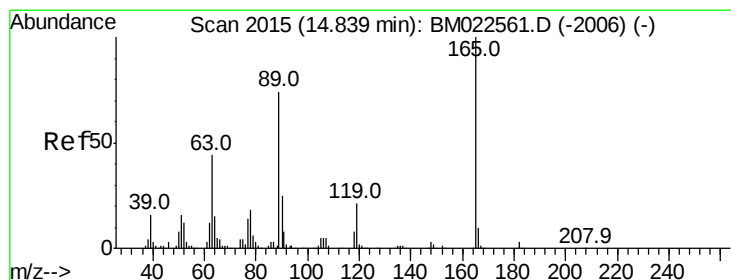
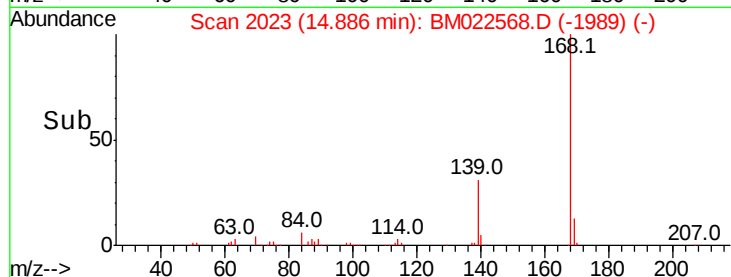
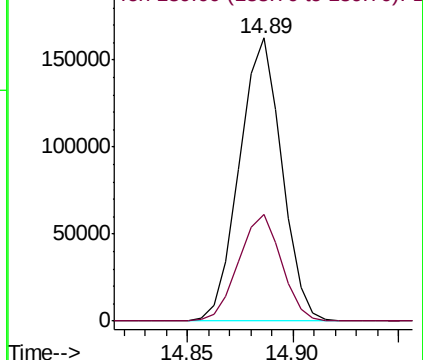
mohammad

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 2.973 ng/ul

RT: 14.83 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

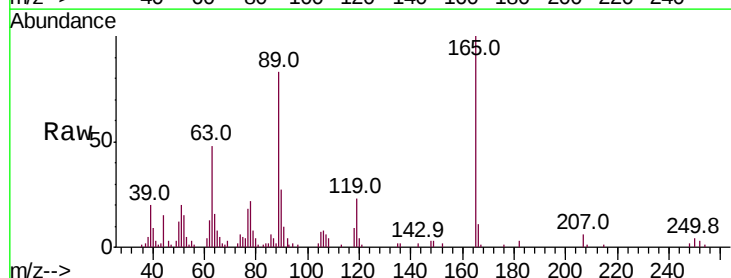
Tgt Ion:165 Resp: 41441

Ion Ratio Lower Upper

165 100

63 47.6 35.7 53.5

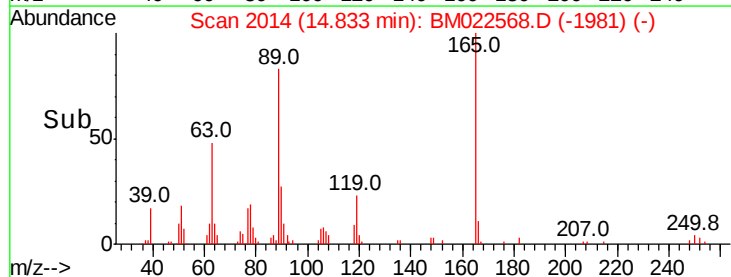
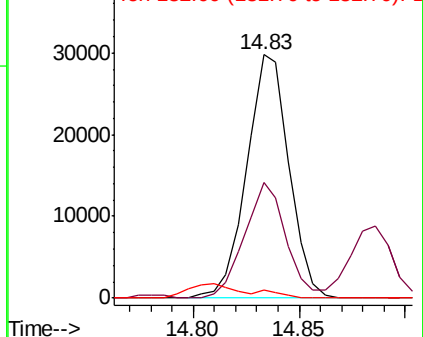
182 3.1 2.2 3.2

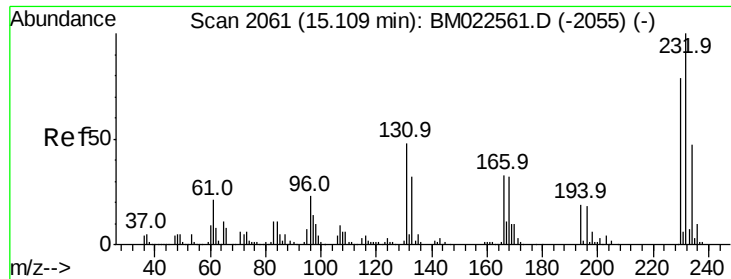


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E





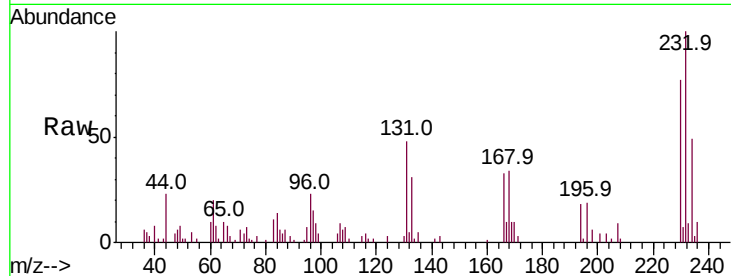
#56  
 2,3,4,6-Tetrachlorophenol  
 Concen: 2.460 ng/ul  
 RT: 15.11 min Scan# 2061  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 232   | Resp: | 31809 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 48.4  | 36.9  | 55.3  |
| 130       | 2.8   | 2.0   | 3.0   |
| 166       | 32.9  | 25.2  | 37.8  |

Manual Integrations  
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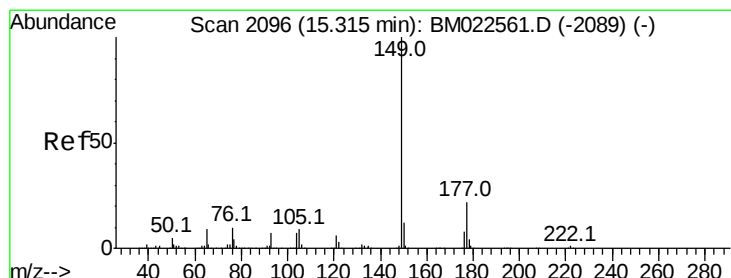
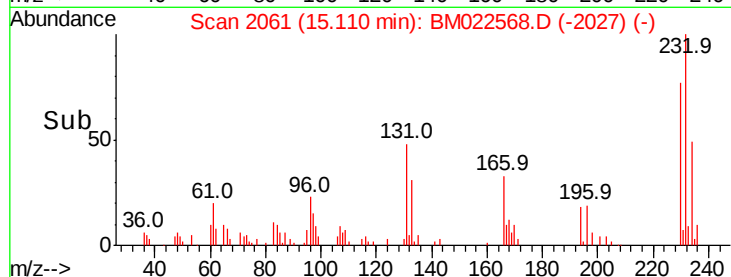
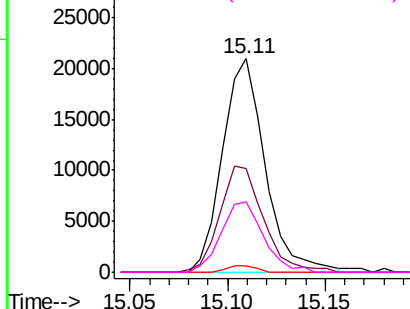
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

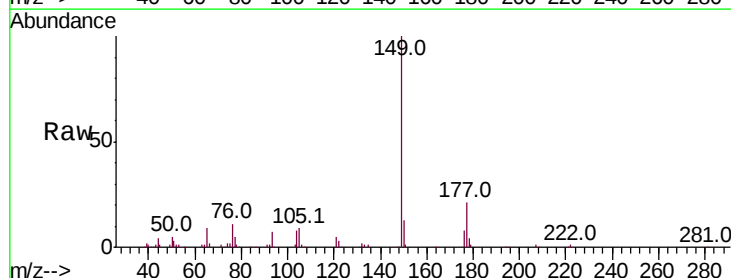
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#57  
 Diethylphthalate  
 Concen: 3.054 ng/ul  
 RT: 15.31 min Scan# 2095  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 184677 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.5  | 17.3  | 25.9   |
| 150       | 12.8  | 10.2  | 15.2   |

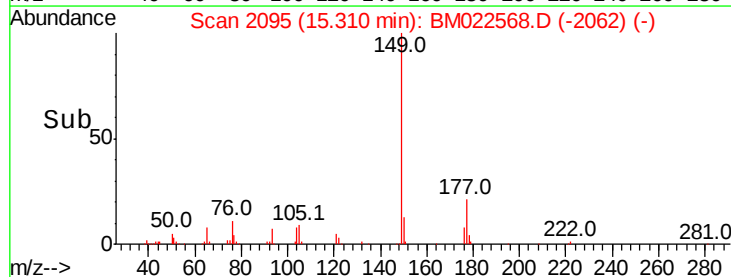
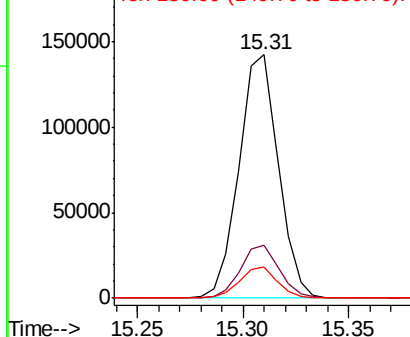


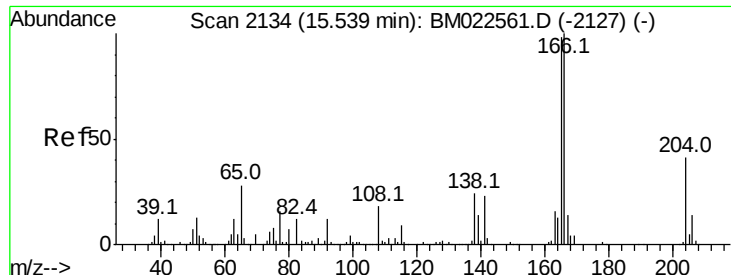
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





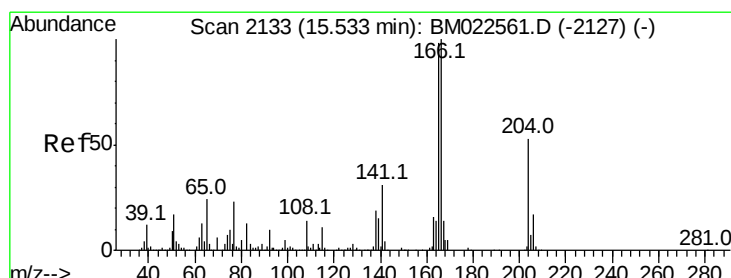
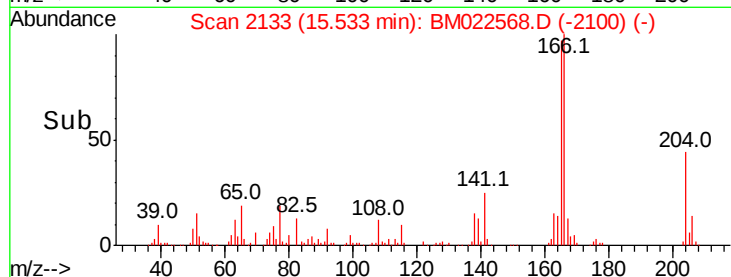
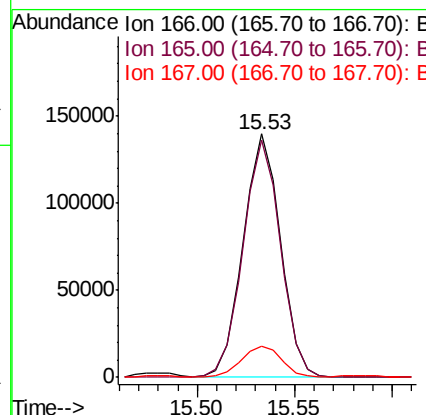
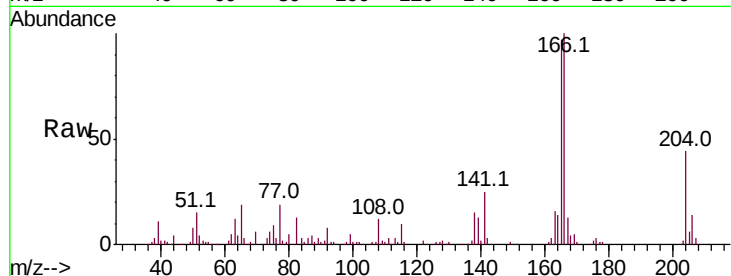
#59  
**Fluorene**  
 Concen: 3.287 ng/ul  
 RT: 15.53 min Scan# 2133  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 186011 |       |       |
| 165     | 97.3  | 77.8   | 116.8 |       |
| 167     | 13.0  | 10.9   | 16.3  |       |

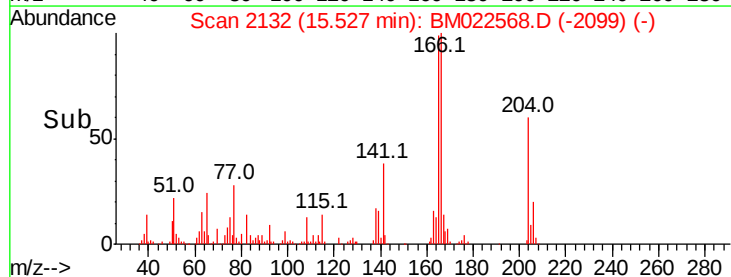
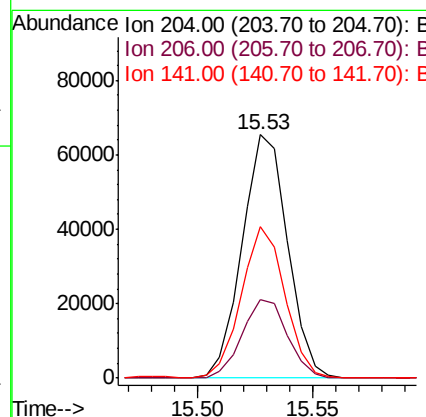
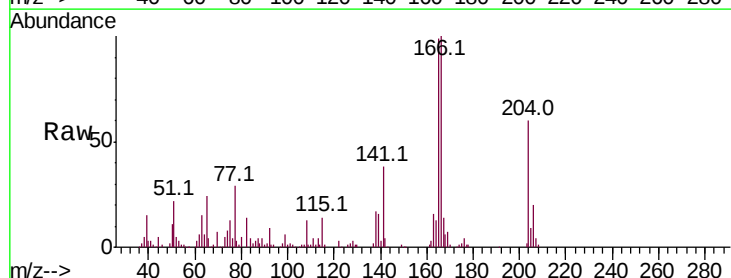
Manual Integrations  
 APPROVED

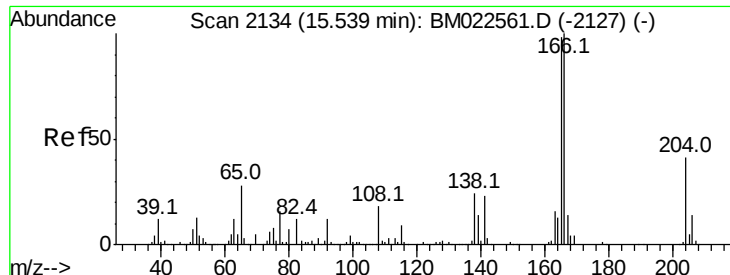
mohammad  
 9/9/2019 4:13:42 PM



#60  
**4-Chlorophenyl-phenylether**  
 Concen: 3.208 ng/ul  
 RT: 15.53 min Scan# 2132  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 204     | 100   | 89846 |       |       |
| 206     | 32.4  | 26.0  | 39.0  |       |
| 141     | 62.2  | 45.4  | 68.2  |       |





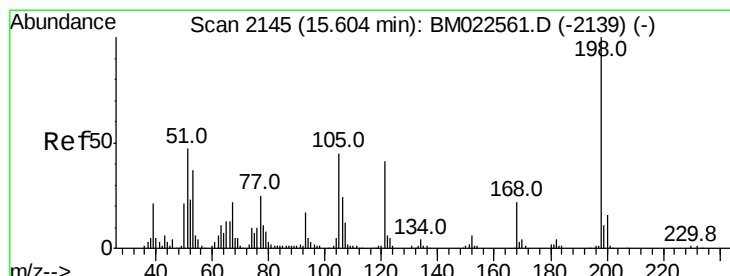
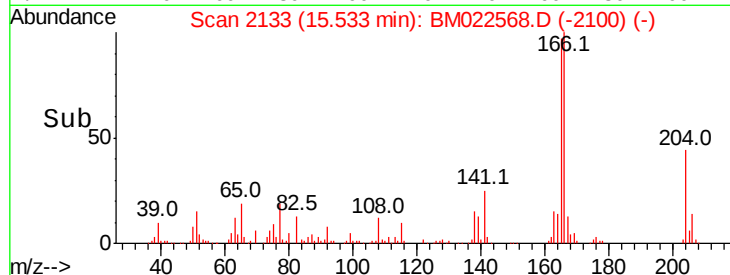
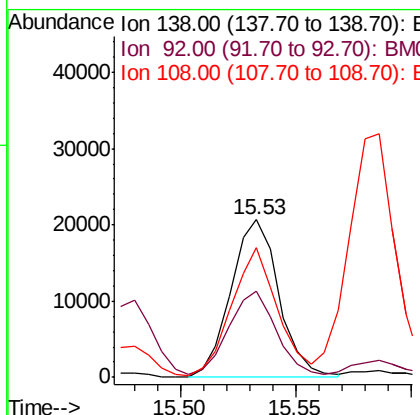
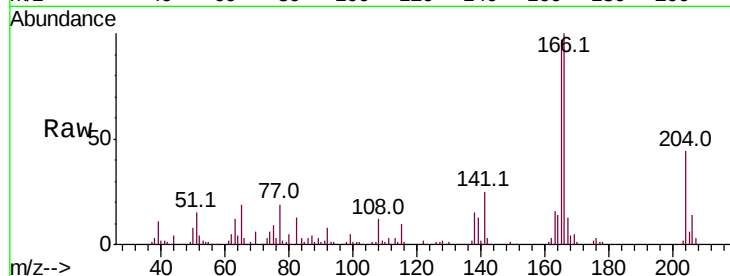
#61  
4-Nitroaniline  
Concen: 2.550 ng/ul  
RT: 15.53 min Scan# 2133  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 138     | 100   | 29982 |       |       |
| 92      | 54.4  | 40.3  | 60.5  |       |
| 108     | 82.2  | 62.2  | 93.2  |       |

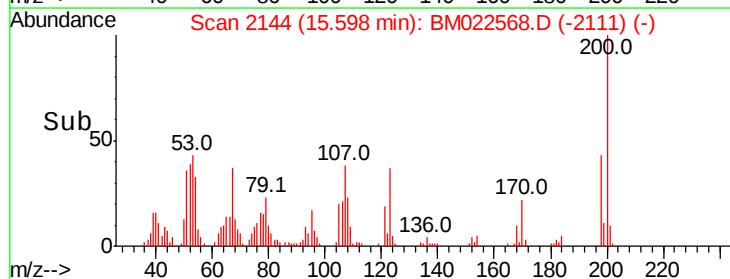
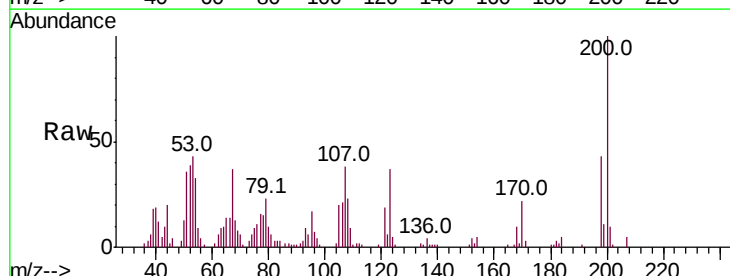
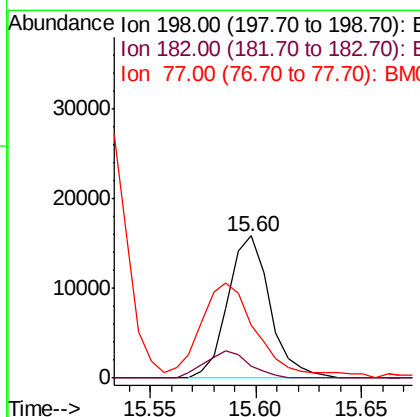
Manual Integrations  
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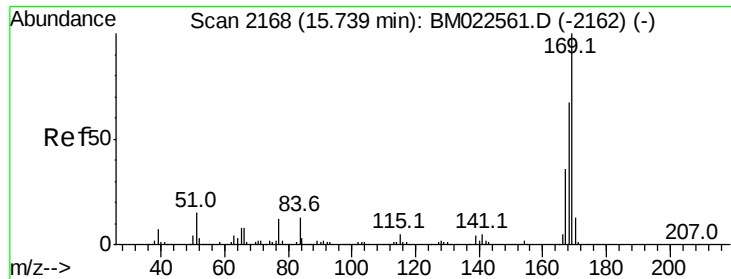
mohammad  
9/9/2019 4:13:42 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 2.854 ng/ul  
RT: 15.60 min Scan# 2144  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 21882 |       |       |
| 182     | 8.0   | 3.4   | 5.0#  |       |
| 77      | 37.3  | 19.7  | 29.5# |       |





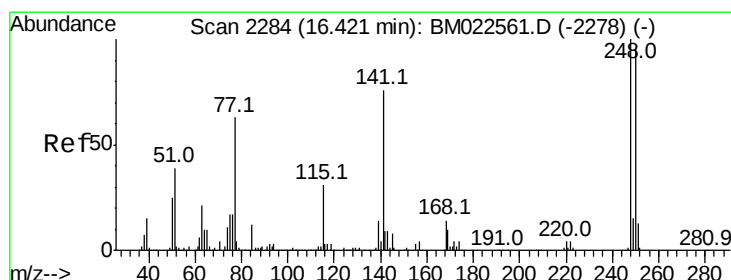
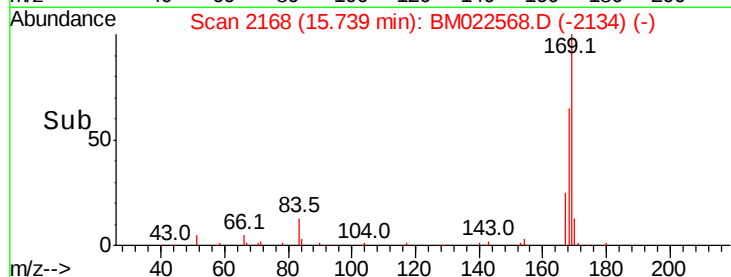
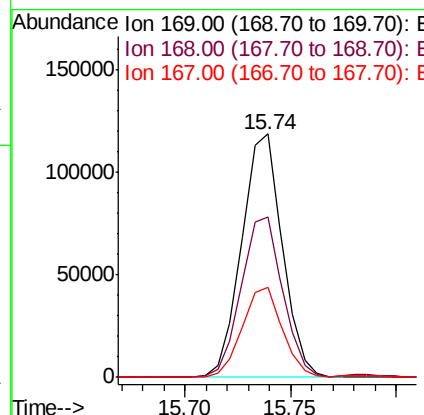
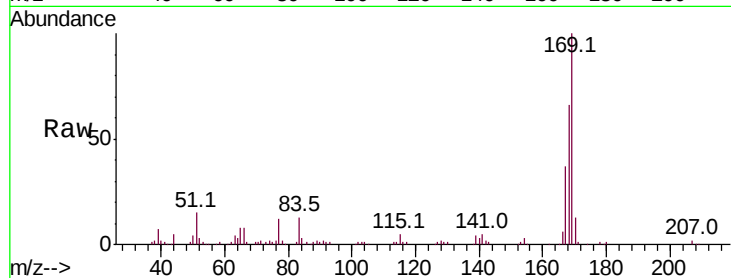
#65  
N-Nitrosodiphenylamine  
Concen: 3.191 ng/ul  
RT: 15.74 min Scan# 2168  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 158729 |       |       |
| 168     | 66.1  | 53.5   | 80.3  |       |
| 167     | 36.9  | 29.5   | 44.3  |       |

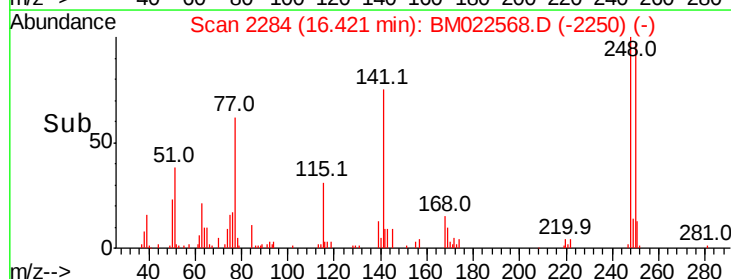
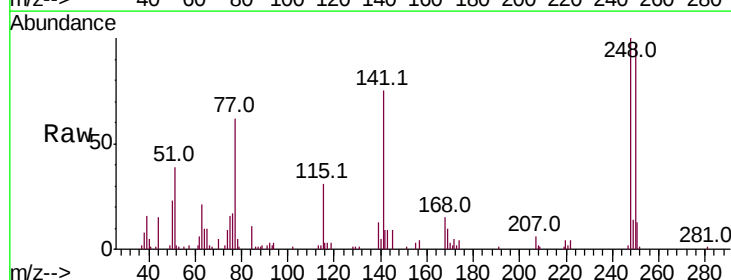
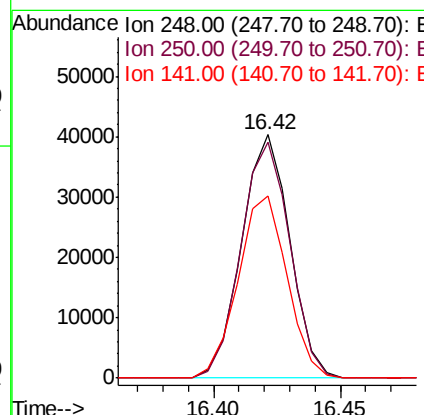
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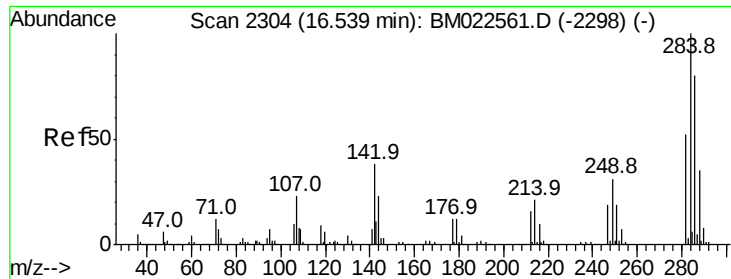
mohammad  
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#66  
4-Bromophenyl-phenylether  
Concen: 2.931 ng/ul  
RT: 16.42 min Scan# 2284  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 248     | 100   | 53391 |       |       |
| 250     | 96.9  | 76.3  | 114.5 |       |
| 141     | 74.8  | 57.0  | 85.4  |       |





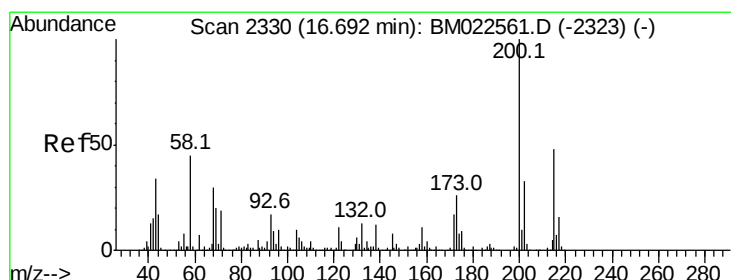
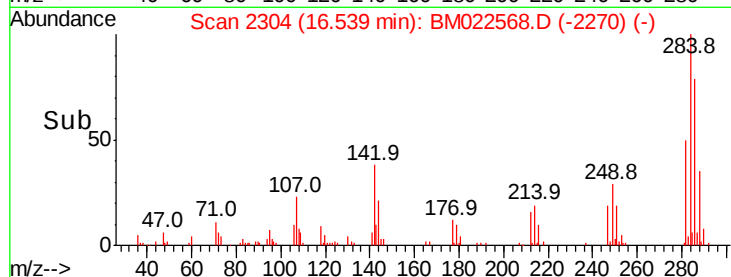
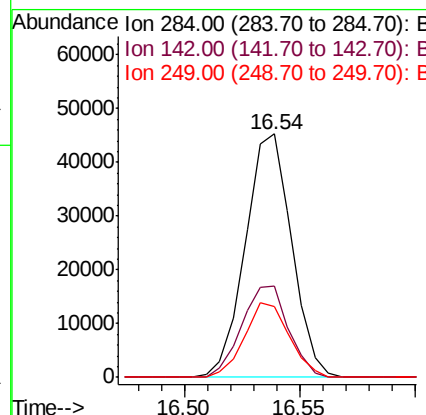
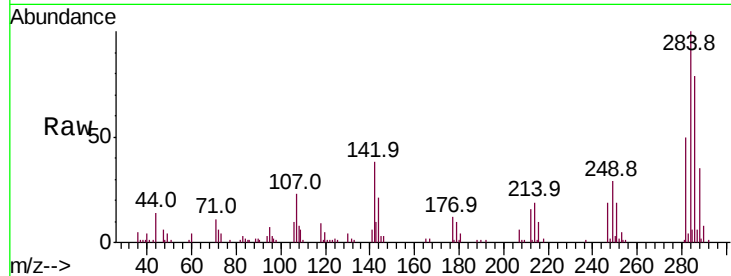
#67  
Hexachlorobenzene  
Concen: 3.151 ng/ul  
RT: 16.54 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 284     | 100   | 63255 |       |       |
| 142     | 37.5  |       | 29.3  | 43.9  |
| 249     | 28.8  |       | 24.7  | 37.1  |

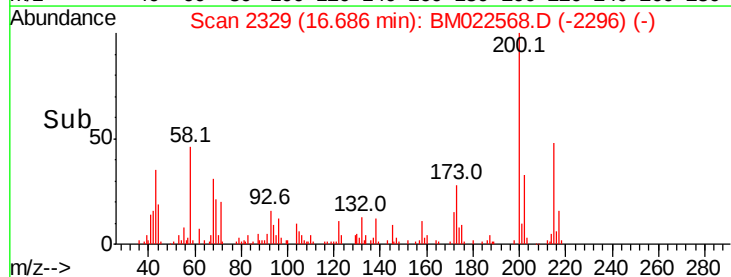
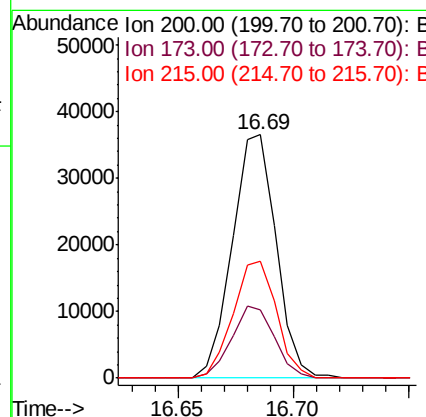
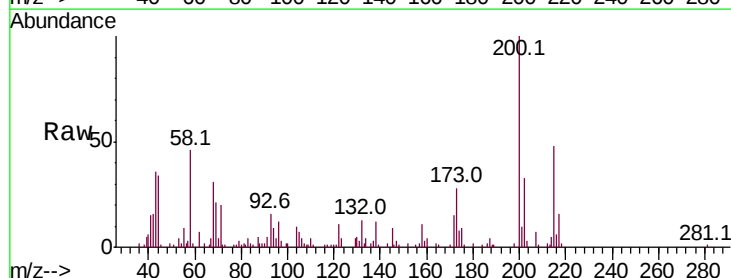
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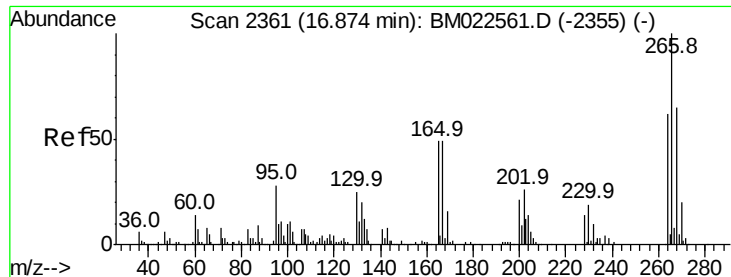
mohammad  
9/9/2019 4:13:42 PM



#68  
Atrazine  
Concen: 2.536 ng/ul  
RT: 16.69 min Scan# 2329  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 200     | 100   | 48496 |       |       |
| 173     | 28.3  |       | 21.6  | 32.4  |
| 215     | 48.0  |       | 39.0  | 58.4  |





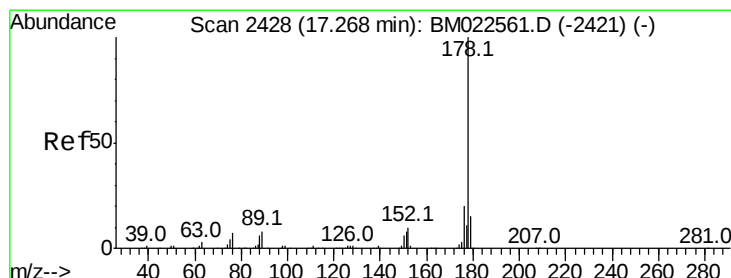
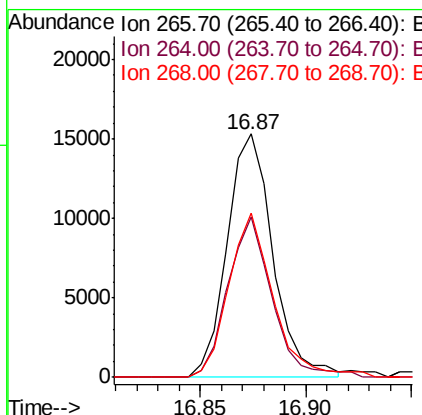
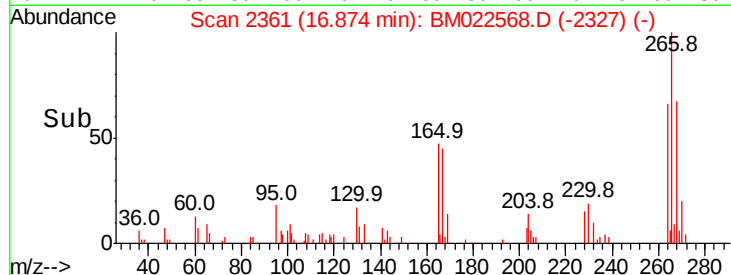
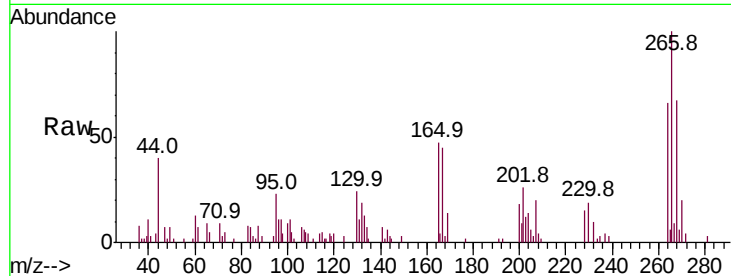
#69  
 Pentachlorophenol  
 Concen: 2.079 ng/ul  
 RT: 16.87 min Scan# 2361  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 266   | Resp: | 23027 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 65.9  | 50.8  | 76.2  |
| 268       | 67.5  | 50.9  | 76.3  |

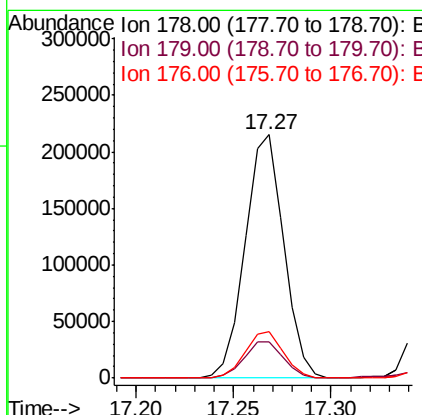
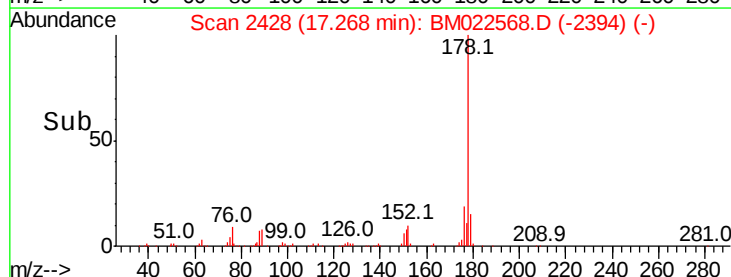
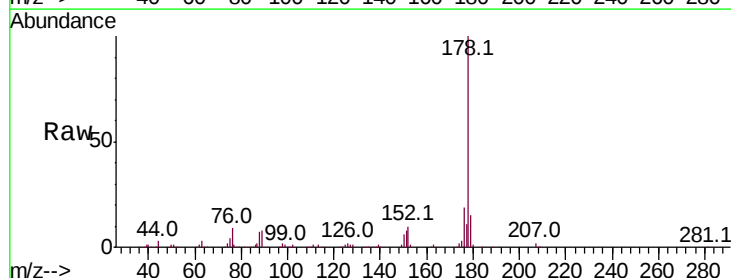
Manual Integrations  
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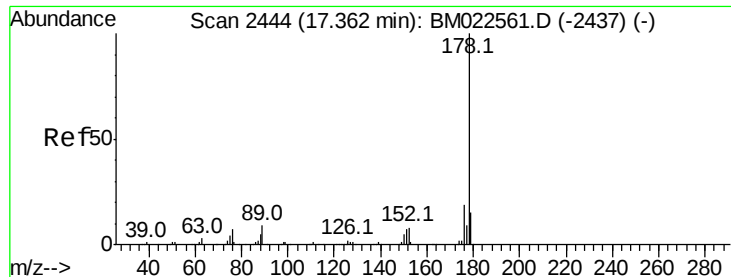
mohammad  
 9/9/2019 4:13:42 PM



#70  
 Phenanthrene  
 Concen: 3.292 ng/ul  
 RT: 17.27 min Scan# 2428  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 293814 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 14.9  | 12.0  | 18.0   |
| 176       | 19.1  | 15.4  | 23.0   |





#72

Anthracene

Concen: 3.279 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

Instrument :

BNA\_M

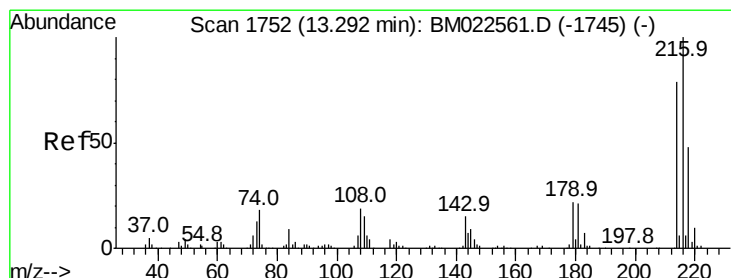
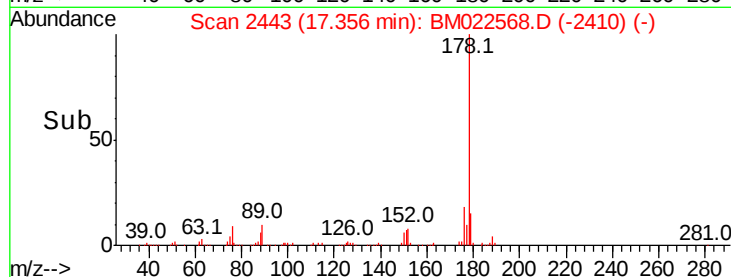
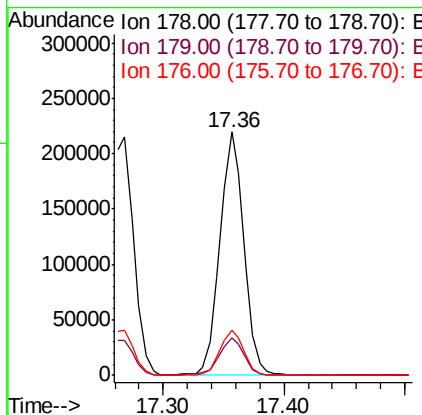
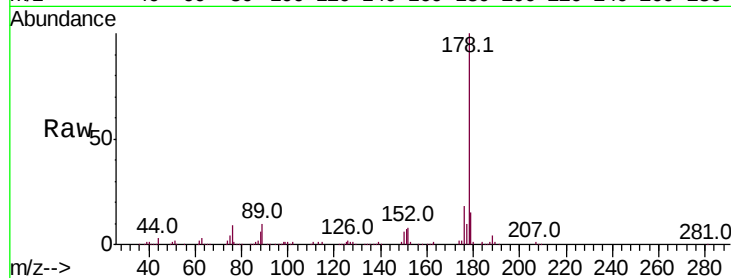
ClientSampled :

MDL-S-06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 300622 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.3  | 12.3  | 18.5   |
| 176       | 18.5  | 14.7  | 22.1   |

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 3.131 ng/uL

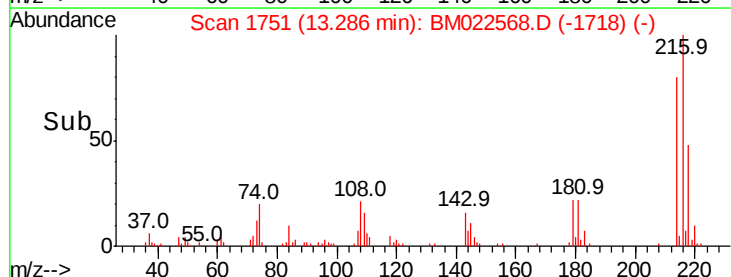
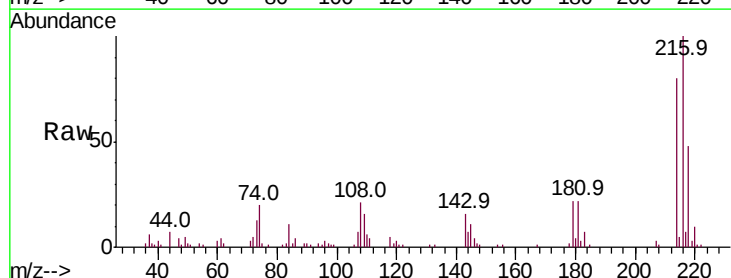
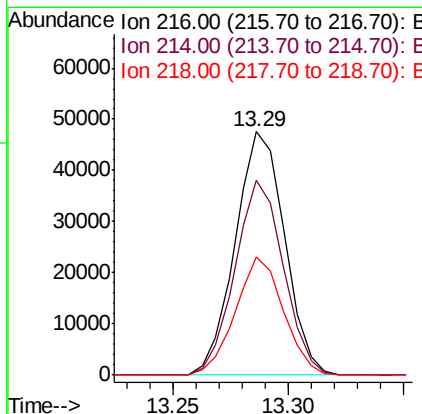
RT: 13.29 min Scan# 1751

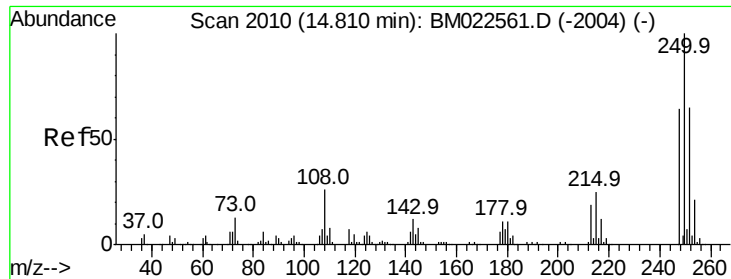
Delta R.T. -0.01 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 71061 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 80.0  | 62.5  | 93.7  |
| 218       | 48.4  | 38.2  | 57.4  |





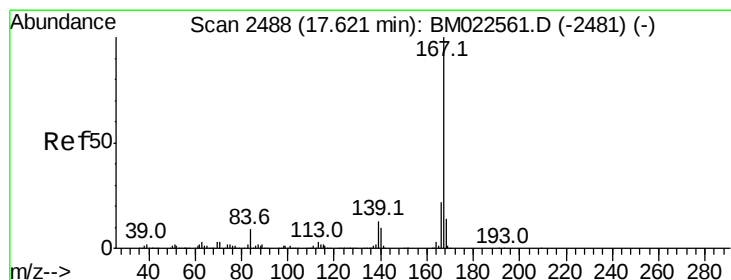
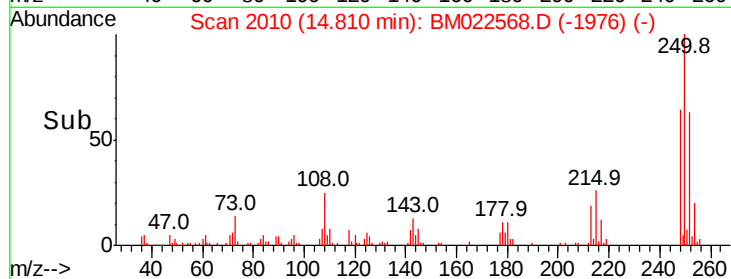
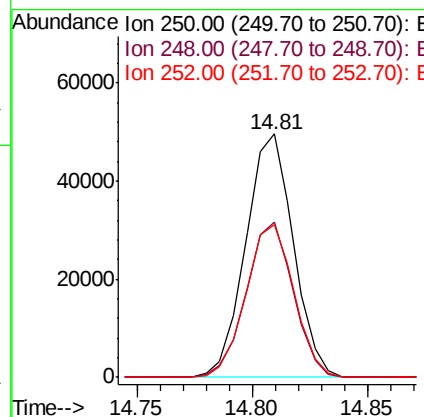
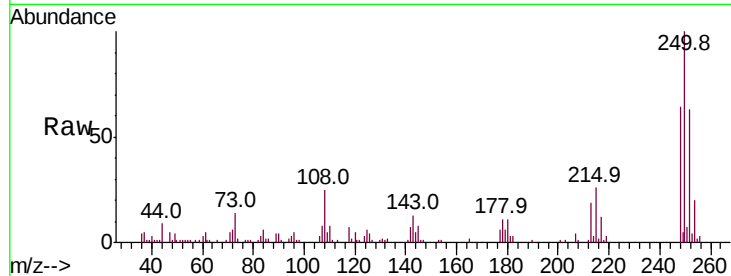
#74  
 Pentachlorobenzene  
 Concen: 3.114 ng/uL  
 RT: 14.81 min Scan# 2010  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 250     | 100   |       |       |
| 248     | 63.7  | 51.3  | 76.9  |
| 252     | 62.8  | 51.1  | 76.7  |

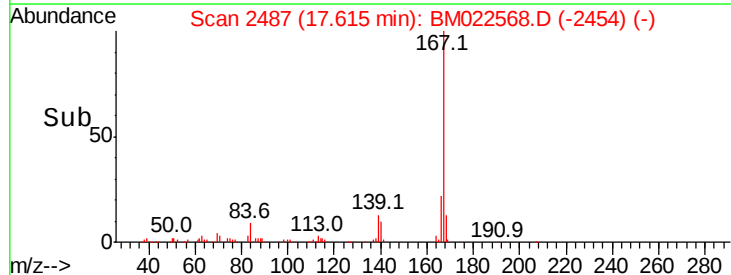
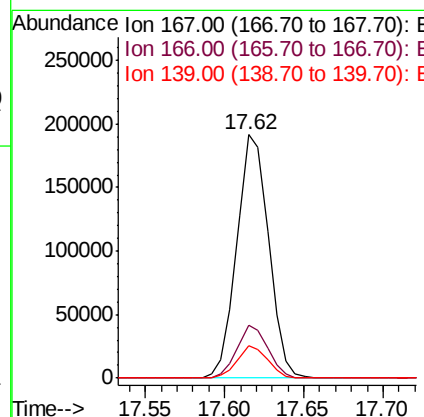
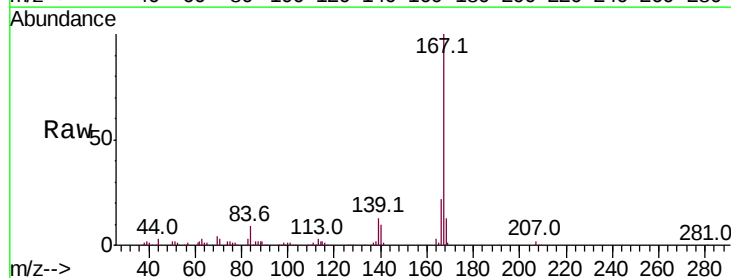
Manual Integrations  
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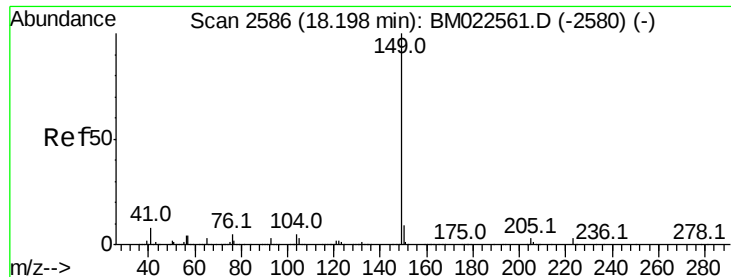
mohammad  
 9/9/2019 4:13:42 PM



#75  
 Carbazole  
 Concen: 3.249 ng/uL  
 RT: 17.62 min Scan# 2487  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.6  | 17.4  | 26.0  |
| 139     | 13.4  | 10.6  | 15.8  |





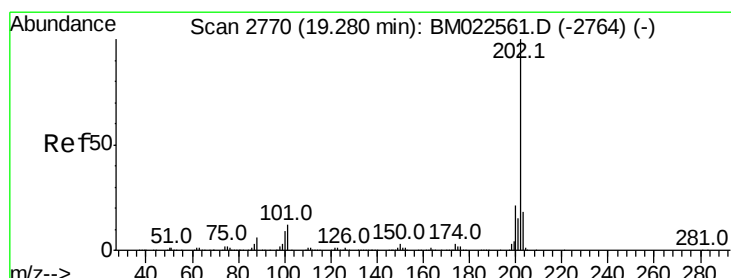
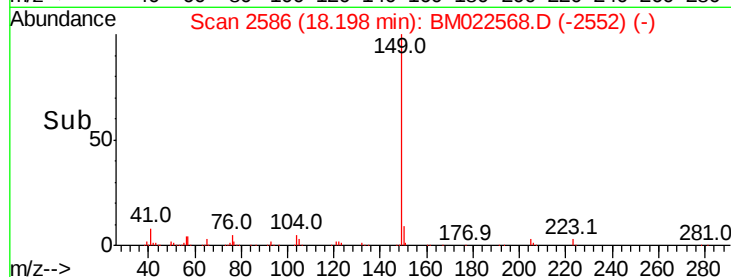
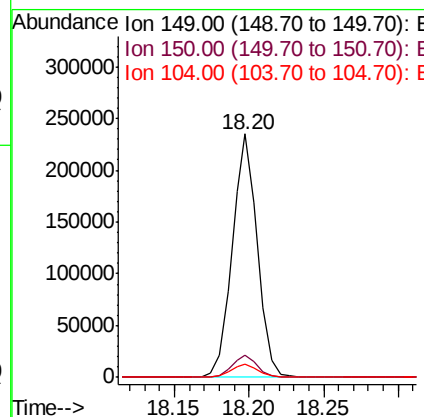
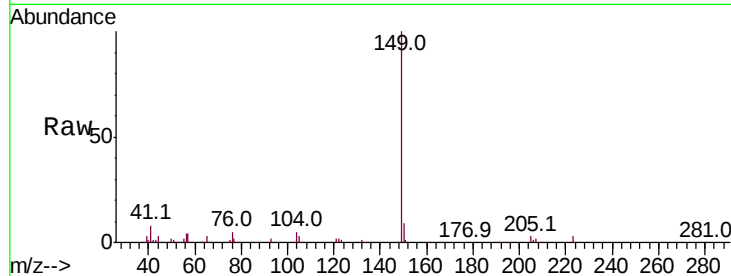
#76  
Di-n-butylphthalate  
Concen: 2.654 ng/ul  
RT: 18.20 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 276950 |       |       |
| 150     | 8.9   | 7.3    | 10.9  |       |
| 104     | 5.3   | 3.9    | 5.9   |       |

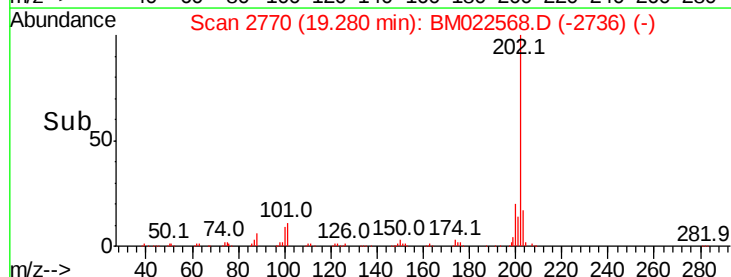
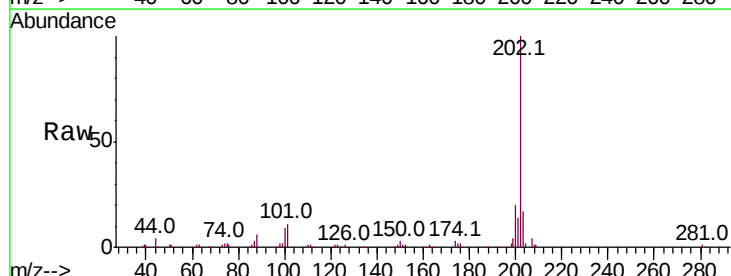
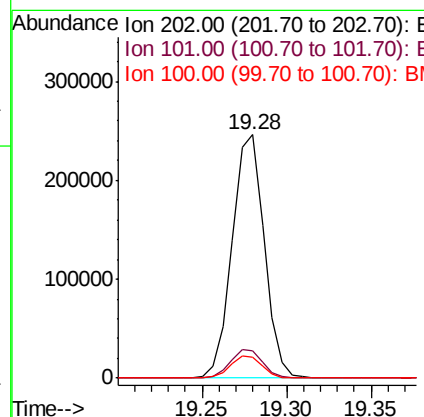
Manual Integrations  
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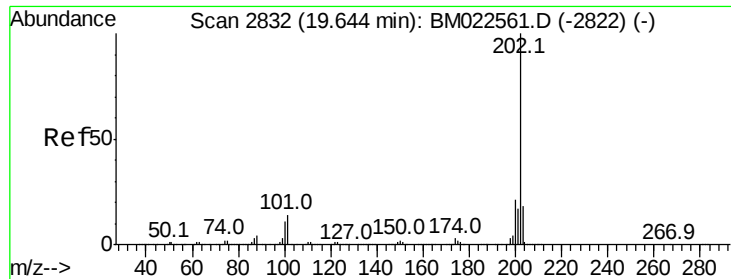
mohammad  
9/9/2019 4:13:42 PM



#77  
Fluoranthene  
Concen: 3.220 ng/ul  
RT: 19.28 min Scan# 2770  
Delta R.T. 0.00 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 326205 |       |       |
| 101     | 11.2  | 8.8    | 13.2  |       |
| 100     | 8.6   | 6.3    | 9.5   |       |





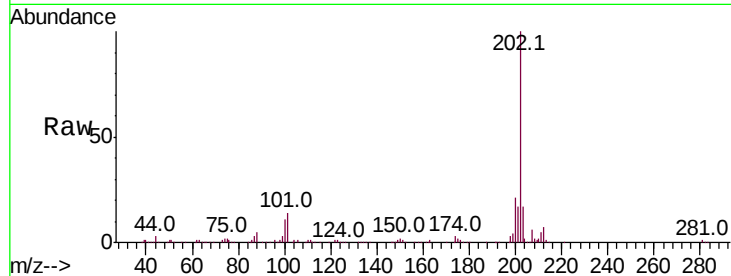
#80  
Pvrene  
Concen: 3.274 ng/ul  
RT: 19.64 min Scan# 2831  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

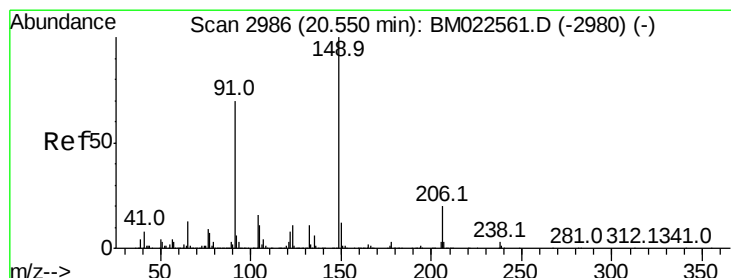
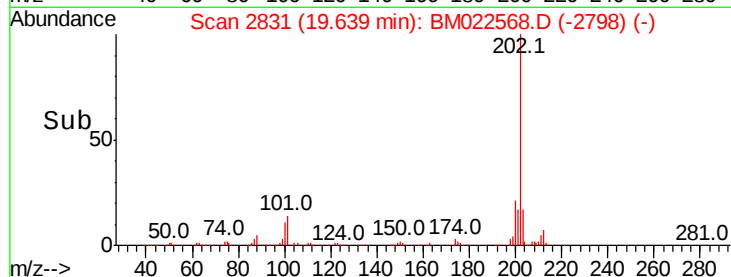
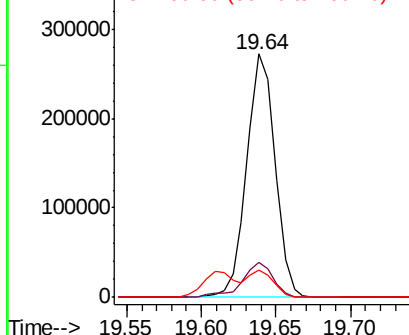
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 14.3  | 10.6       | 16.0  |
| 100     | 11.2  | 8.6        | 13.0  |

Manual Integrations  
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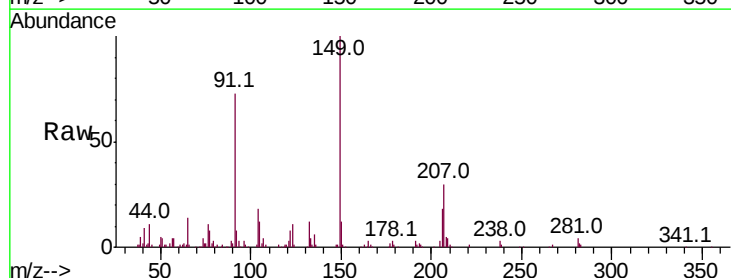


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

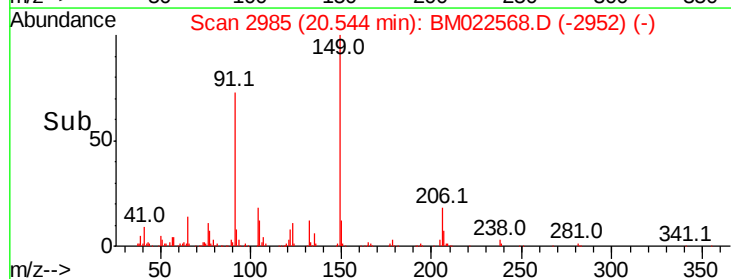
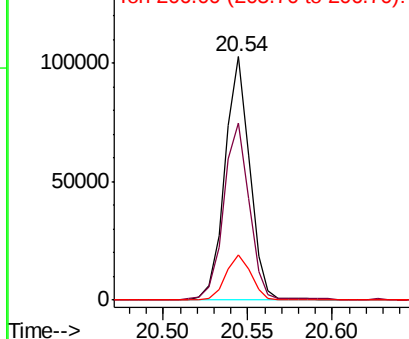


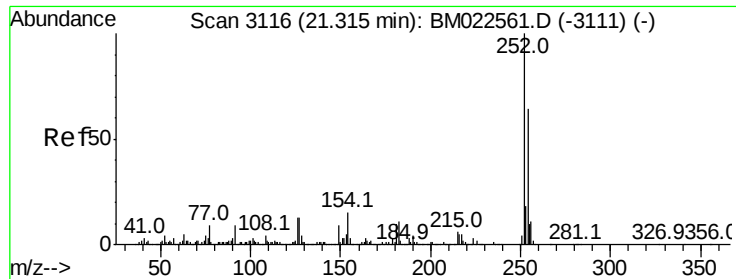
#81  
Butylbenzylphthalate  
Concen: 2.256 ng/ul  
RT: 20.54 min Scan# 2985  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 72.9  | 55.4       | 83.0  |
| 206     | 18.5  | 17.0       | 25.4  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): B  
Ion 206.00 (205.70 to 206.70): E





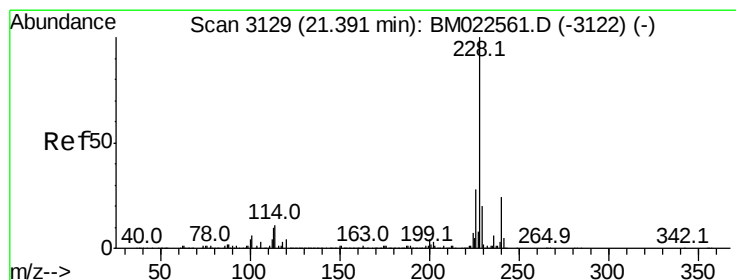
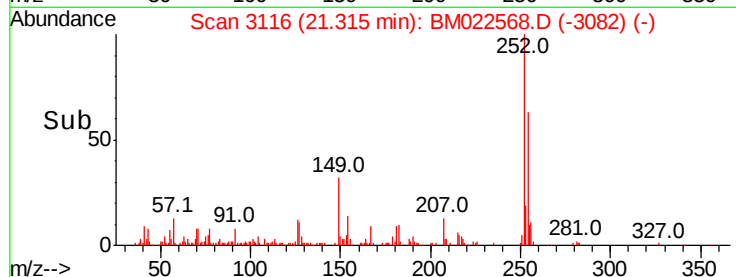
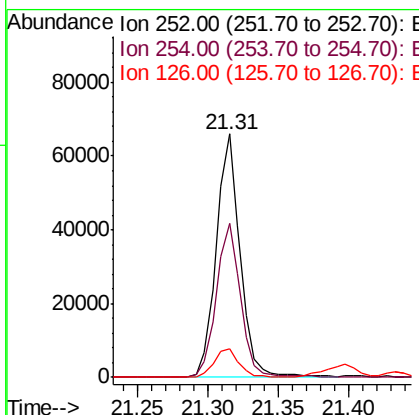
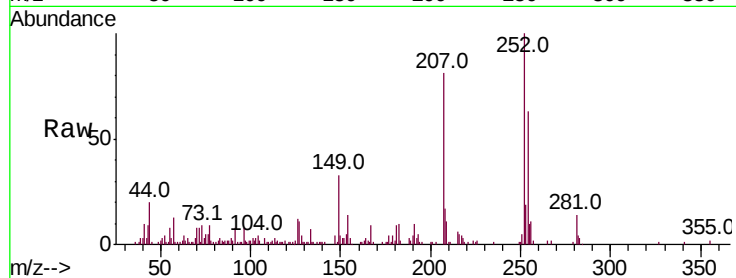
#82  
 3,3'-Dichlorobenzidine  
 Concen: 2.016 ng/ul  
 RT: 21.31 min Scan# 3116  
 Delta R.T. 0.00 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.4  | 51.2  | 76.8  |
| 126     | 11.7  | 8.6   | 13.0  |

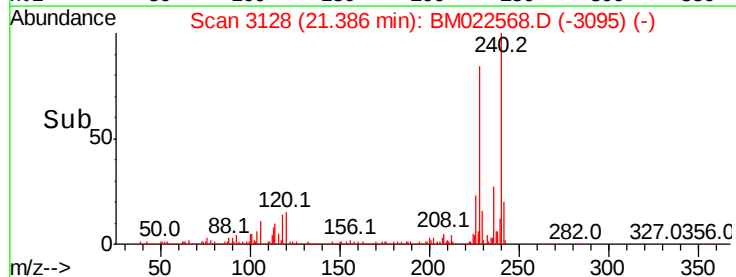
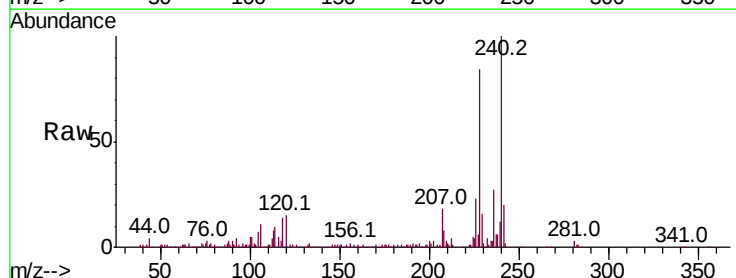
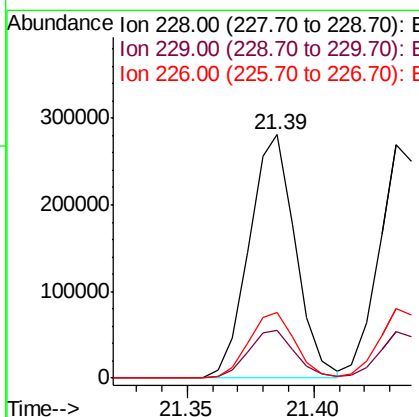
Manual Integrations  
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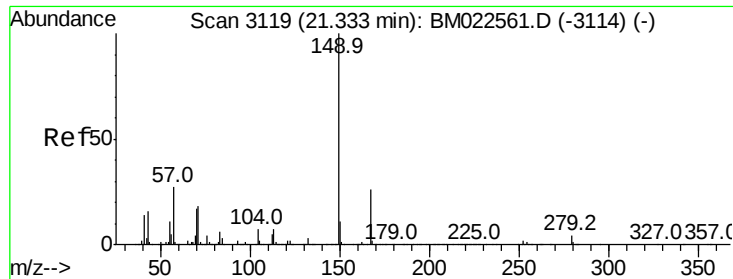
mohammad  
 9/9/2019 4:13:42 PM



#83  
 Benzo(a)anthracene  
 Concen: 3.189 ng/ul  
 RT: 21.39 min Scan# 3128  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.5  | 15.7  | 23.5  |
| 226     | 27.1  | 22.2  | 33.2  |





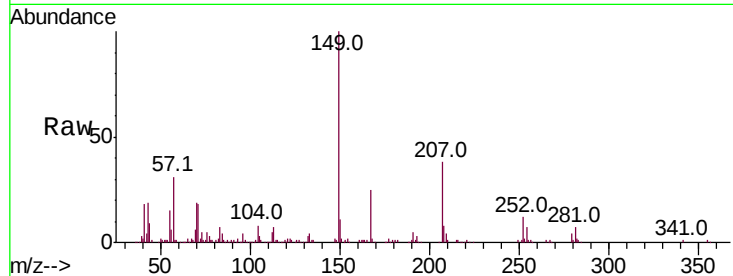
#84  
Bis(2-ethylhexyl)phthalate  
Concen: 2.323 ng/ul  
RT: 21.33 min Scan# 3118  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 25.4  | 21.7 | 32.5  |       |
| 279     | 3.8   | 3.5  | 5.3   |       |

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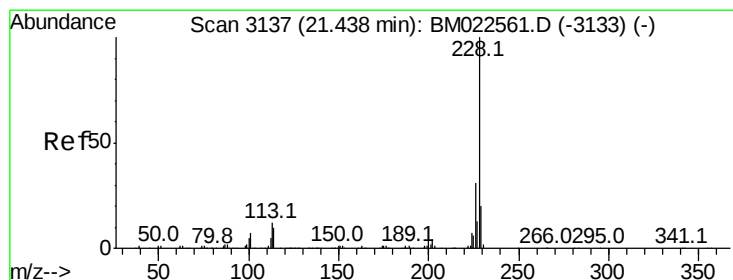
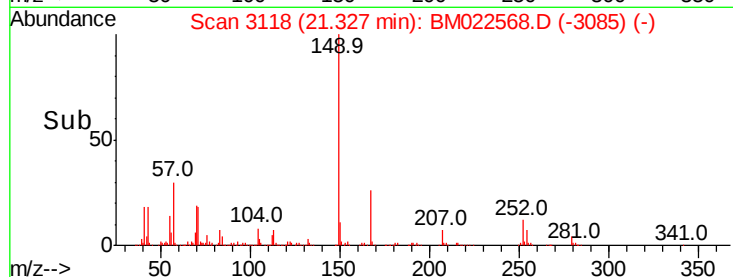
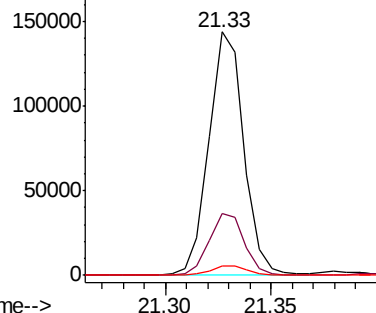


Abundance

Ion 149.00 (148.70 to 149.70): E

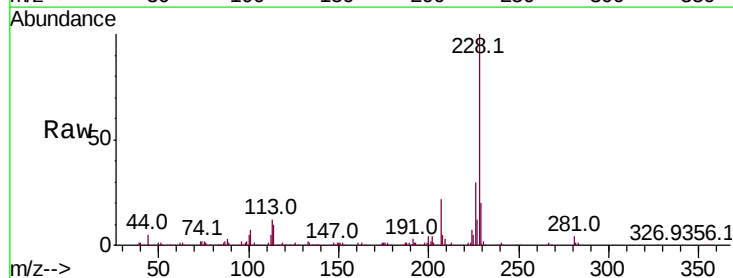
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85  
Chrysene  
Concen: 3.279 ng/ul  
RT: 21.43 min Scan# 3136  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   |      |       |       |
| 226     | 29.9  | 24.2 | 36.4  |       |
| 229     | 19.8  | 15.8 | 23.6  |       |

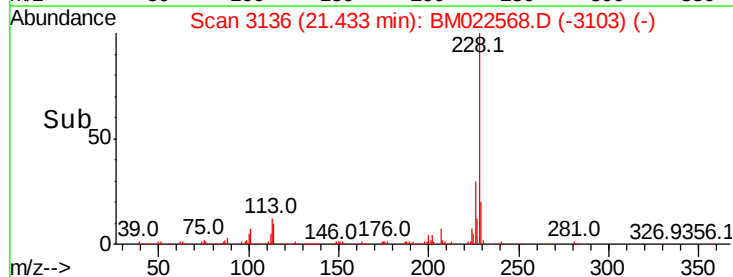
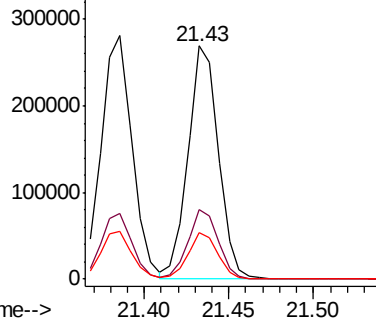


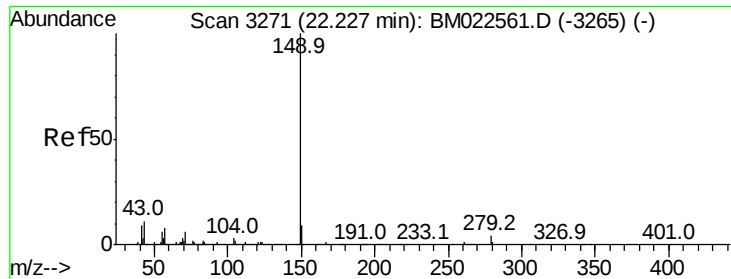
Abundance

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





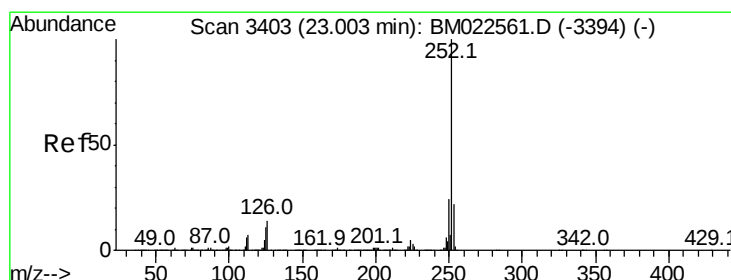
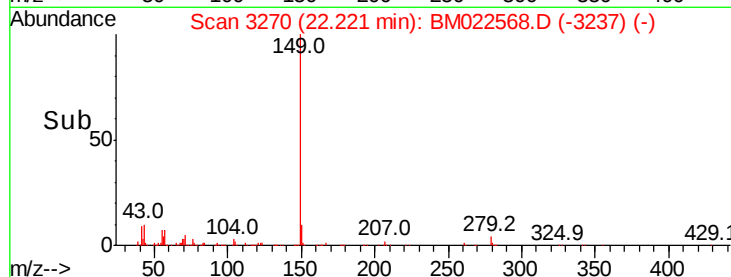
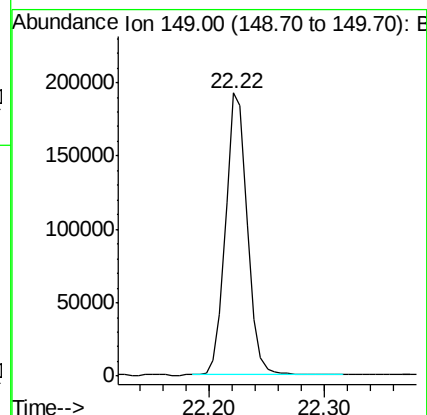
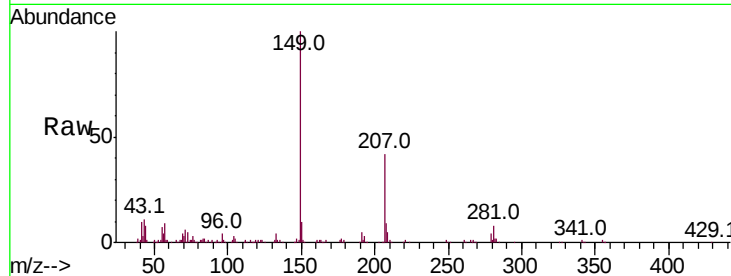
#87  
Di-n-octyl phthalate  
Concen: 1.984 ng/ul  
RT: 22.22 min Scan# 3270  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

Tgt Ion:149 Resp: 250235

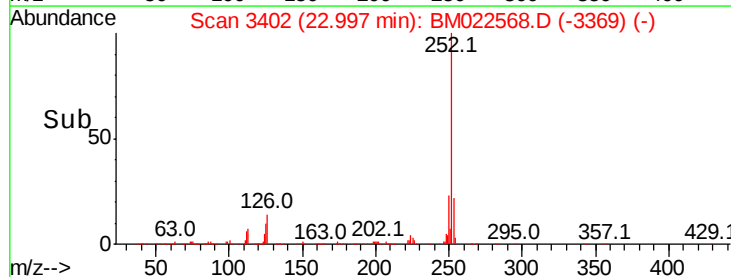
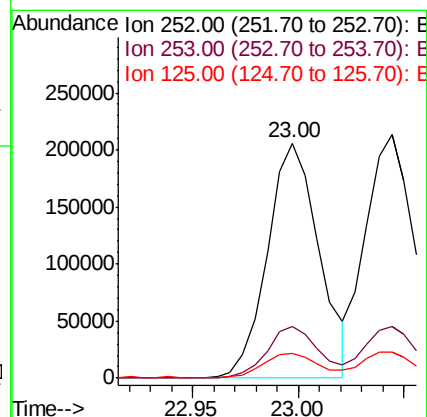
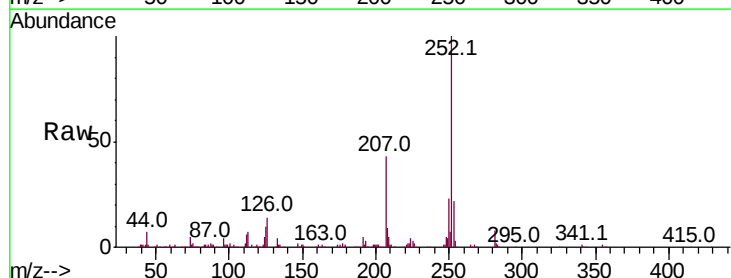
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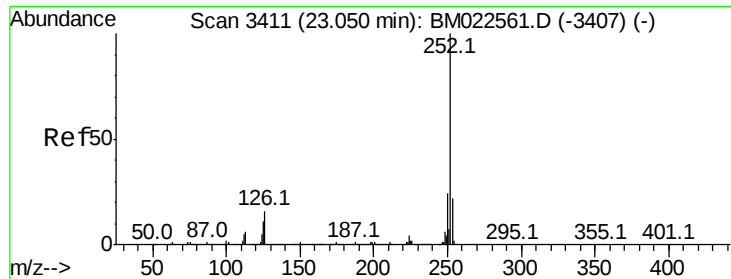
mohammad  
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#88  
Benzo(b)fluoranthene  
Concen: 3.024 ng/ul  
RT: 23.00 min Scan# 3402  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Tgt Ion:252 Resp: 350611  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.8 26.6  
125 10.4 8.0 12.0





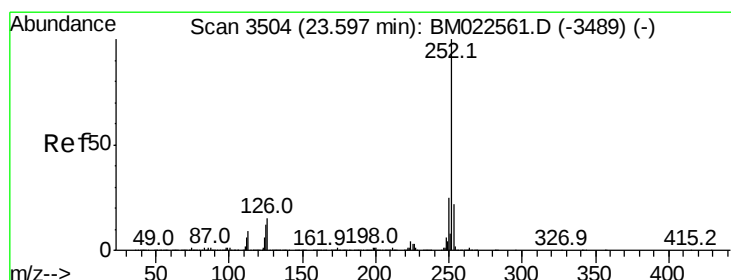
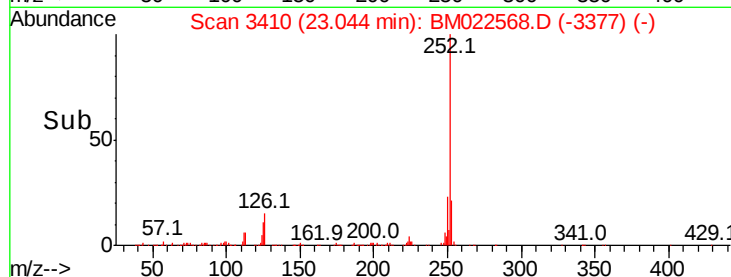
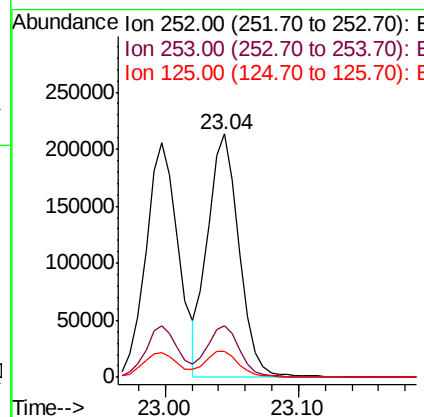
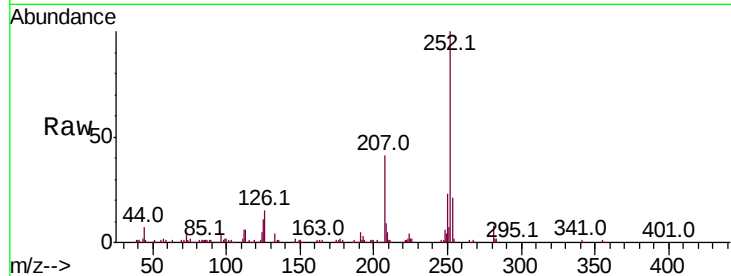
#89  
Benzo(k)fluoranthene  
Concen: 3.104 ng/ul  
RT: 23.04 min Scan# 3410  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 349750 |       |       |
| 253     | 21.4  |        | 17.4  | 26.2  |
| 125     | 10.9  |        | 8.2   | 12.2  |

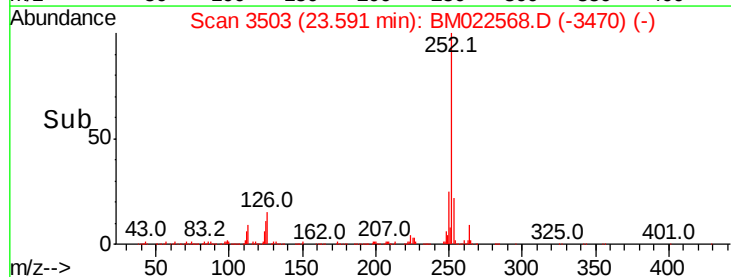
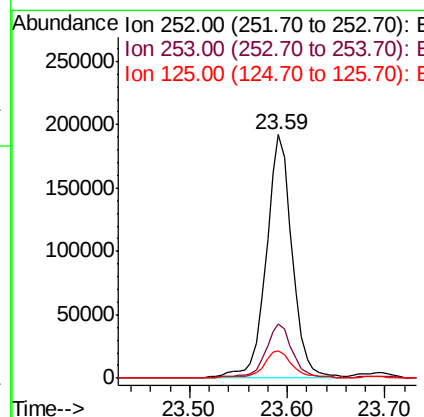
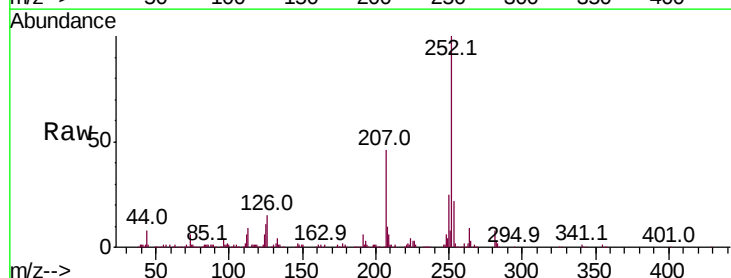
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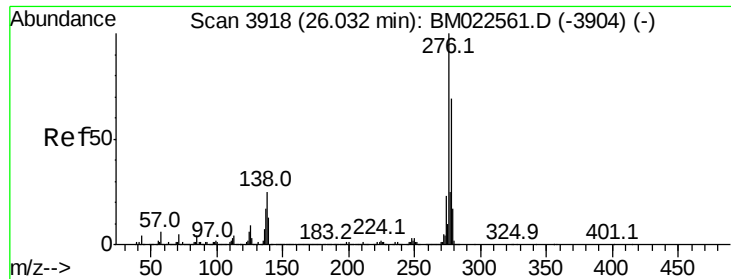
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#91  
Benzo(a)pyrene  
Concen: 3.255 ng/ul  
RT: 23.59 min Scan# 3503  
Delta R.T. -0.01 min  
Lab File: BM022568.D  
Acq: 07 Sep 2019 00:52

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 360078 |       |       |
| 253     | 22.1  |        | 17.5  | 26.3  |
| 125     | 11.4  |        | 8.9   | 13.3  |





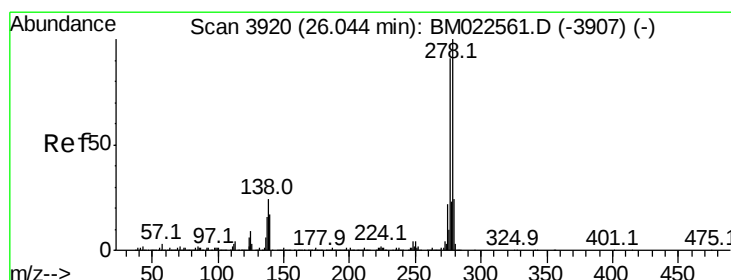
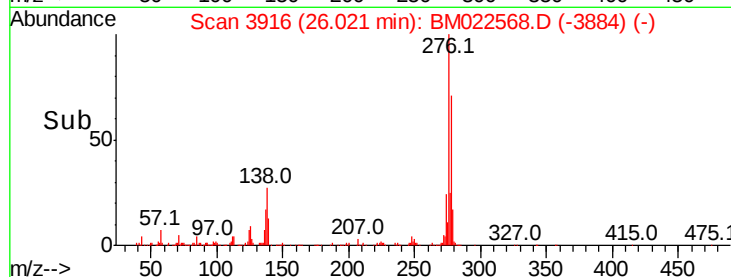
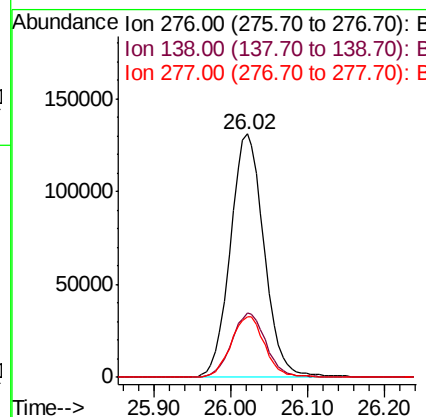
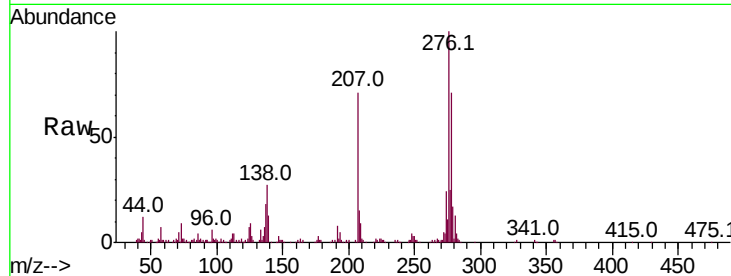
#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.137 ng/ul  
 RT: 26.02 min Scan# 3916  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 400814 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 26.7  | 19.2  | 28.8   |
| 277       | 25.1  | 19.8  | 29.8   |

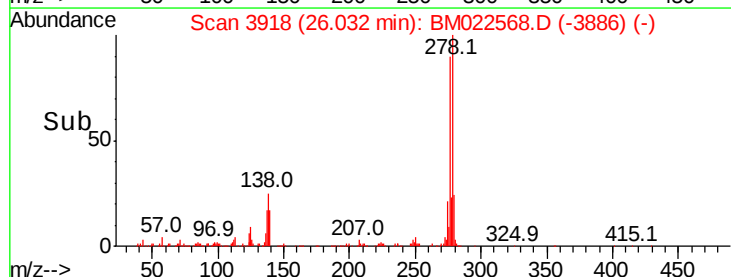
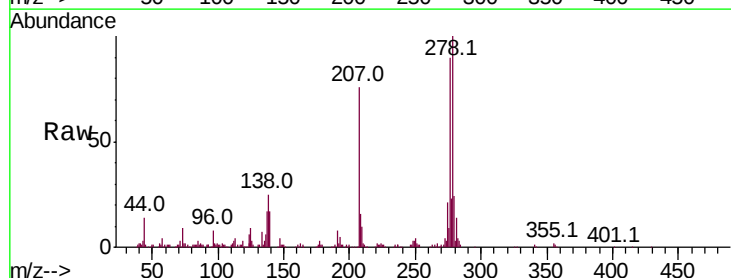
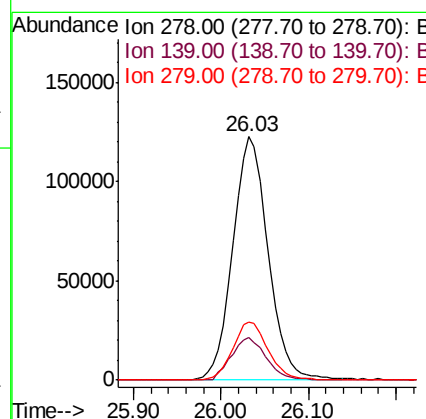
Manual Integrations  
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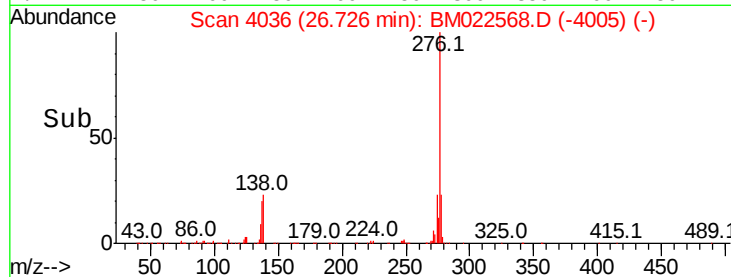
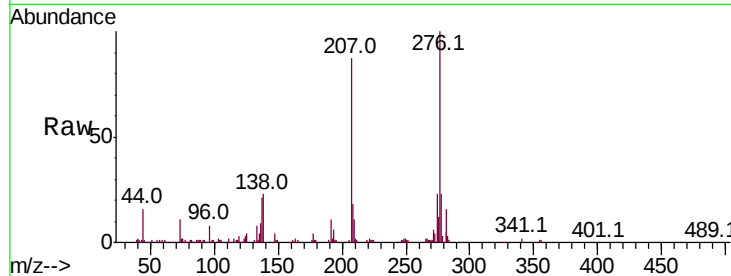
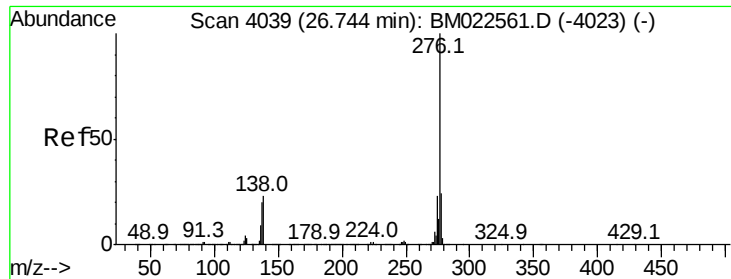
mohammad  
 9/9/2019 4:13:42 PM



#93  
 Dibenzo(a,h)anthracene  
 Concen: 3.168 ng/ul  
 RT: 26.03 min Scan# 3918  
 Delta R.T. -0.01 min  
 Lab File: BM022568.D  
 Acq: 07 Sep 2019 00:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 336911 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 17.5  | 13.3  | 19.9   |
| 279       | 23.7  | 19.2  | 28.8   |





#94

Benzo(a,h,i)perylene

Concen: 3.117 ng/ul

RT: 26.73 min Scan# 4036

Delta R.T. -0.02 min

Lab File: BM022568.D

Acq: 07 Sep 2019 00:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 327163 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 22.6  | 17.0  | 25.6   |
| 277       | 23.5  | 18.8  | 28.2   |

Instrument :

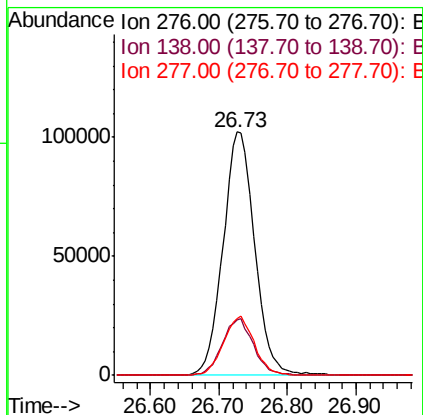
BNA\_M

ClientSampleId :

MDL-S-06

Manual Integrations  
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Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\  
 Data File : BM022568.D  
 Acq On : 07 Sep 2019 00:52  
 Operator : HP/JU  
 Sample : MDL-S-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-S-06

Manual Integrations  
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 9/9/2019 4:13:42 PM

Quant Time: Sep 08 01:48:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 06 23:41:25 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 245746   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.65 | 136  | 1107148  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.49 | 164  | 710654   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.23 | 188  | 1457813  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.40 | 240  | 1512265  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.69 | 264  | 1762184  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 36370   | 6.17  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.01  | 99  | 705245  | 31.11 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.19  | 67  | 439281  | 33.81 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 562738  | 31.43 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 575656  | 31.23 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.01  | 128 | 276434  | 34.61 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 251262  | 34.12 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 544353  | 29.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 837968  | 33.92 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.90 | 166 | 1849971 | 32.12 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.18 | 160 | 2310850 | 33.51 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.66 | 143 | 313522  | 31.88 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.48 | 176 | 1547938 | 32.10 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 184951  | 27.91 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.32 | 188 | 2446649 | 32.76 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.61 | 212 | 2680247 | 31.94 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.55 | 264 | 2986553 | 31.53 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Ovalue |     |
|--------------------------------|-------|-----|--------|-------|--------|-----|
| 2) 1,4-Dioxane                 | 3.34  | 88  | 8651   | 1.458 | ng/uL  | 93  |
| 4) Benzaldehyde                | 6.99  | 77  | 32899  | 2.779 | ng/ul  | 93  |
| 6) Phenol                      | 7.04  | 94  | 75375  | 3.182 | ng/ul  | 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.27  | 93  | 60570  | 3.367 | ng/ul  | 94  |
| 10) 2-Chlorophenol             | 7.42  | 128 | 59876  | 3.182 | ng/ul  | 99  |
| 11) 2-Methylphenol             | 8.29  | 108 | 53156  | 2.875 | ng/ul  | 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 93892  | 3.549 | ng/ul  | 98  |
| 14) Acetophenone               | 8.67  | 105 | 99483  | 3.459 | ng/ul  | 99  |
| 15) N-Nitroso-di-n-propylamine | 8.66  | 70  | 50132  | 3.227 | ng/ul  | 99  |
| 16) 4-Methylphenol             | 8.62  | 108 | 62295  | 3.121 | ng/ul  | 97  |
| 17) Hexachloroethane           | 8.95  | 117 | 24298  | 3.259 | ng/ul  | 95  |
| 20) Nitrobenzene               | 9.05  | 77  | 72424  | 3.624 | ng/ul  | 97  |
| 21) Isophorone                 | 9.58  | 82  | 135137 | 3.018 | ng/ul  | 100 |
| 23) 2-Nitrophenol              | 9.76  | 139 | 28939  | 3.310 | ng/ul  | 93  |
| 24) 2,4-Dimethylphenol         | 9.82  | 107 | 67432  | 3.076 | ng/ul  | 99  |
| 25) Bis(2-Chloroethoxy)methane | 10.06 | 93  | 82833  | 3.155 | ng/ul  | 98  |
| 27) 2,4-Dichlorophenol         | 10.29 | 162 | 56616  | 3.066 | ng/ul  | 90  |
| 28) Naphthalene                | 10.70 | 128 | 205583 | 3.349 | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.80 | 127 | 81150  | 3.198 | ng/ul  | 97  |
| 31) Hexachlorobutadiene        | 11.00 | 225 | 34644  | 3.046 | ng/ul  | 98  |
| 32) Caprolactam                | 11.59 | 113 | 16716m | 2.432 | ng/ul  |     |
| 33) 4-Chloro-3-methylphenol    | 11.92 | 107 | 58029  | 2.848 | ng/ul  | 100 |
| 34) 2-Methylnaphthalene        | 12.31 | 142 | 146556 | 3.169 | ng/ul  | 98  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\  
 Data File : BM022568.D  
 Acq On : 07 Sep 2019 00:52  
 Operator : HP/JU  
 Sample : MDL-S-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 MDL-S-06

Manual Integrations  
 APPROVED

mohammad  
 9/9/2019 4:13:42 PM

Quant Time: Sep 08 01:48:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 06 23:41:25 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 35) 1-Methylnaphthalene        | 12.53 | 142  | 141996   | 3.214 | ng/ul  | 100      |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.68 | 216  | 70789    | 3.087 | ng/ul  | 98       |
| 38) Hexachlorocyclopentadiene  | 12.67 | 237  | 35028    | 2.478 | ng/ul  | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.92 | 196  | 36291    | 2.528 | ng/ul  | 96       |
| 40) 2,4,5-Trichlorophenol      | 12.98 | 196  | 42894    | 2.756 | ng/ul  | 96       |
| 41) 1,1'-Biphenyl              | 13.32 | 154  | 196239   | 3.316 | ng/ul  | 99       |
| 42) 2-Chloronaphthalene        | 13.36 | 162  | 148233   | 3.309 | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.56 | 65   | 31579    | 3.019 | ng/ul  | 94       |
| 45) Dimethylphthalate          | 13.94 | 163  | 192004   | 3.285 | ng/ul  | 100      |
| 46) 2,6-Dinitrotoluene         | 14.05 | 165  | 25409    | 2.670 | ng/ul  | 88       |
| 48) Acenaphthylene             | 14.21 | 152  | 235349   | 3.291 | ng/ul  | 99       |
| 49) 3-Nitroaniline             | 14.37 | 138  | 26168    | 2.536 | ng/ul  | 94       |
| 50) Acenaphthene               | 14.55 | 153  | 160694   | 3.242 | ng/ul  | 97       |
| 51) 2,4-Dinitrophenol          | 14.58 | 184  | 12662    | 2.900 | ng/ul# | 79       |
| 53) 4-Nitrophenol              | 14.67 | 109  | 26797    | 3.391 | ng/ul# | 86       |
| 54) Dibenzofuran               | 14.89 | 168  | 226702   | 3.296 | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.83 | 165  | 41441    | 2.973 | ng/ul  | 96       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.11 | 232  | 31809    | 2.460 | ng/ul  | 97       |
| 57) Diethylphthalate           | 15.31 | 149  | 184677   | 3.054 | ng/ul  | 100      |
| 59) Fluorene                   | 15.53 | 166  | 186011   | 3.287 | ng/ul  | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.53 | 204  | 89846    | 3.208 | ng/ul  | 95       |
| 61) 4-Nitroaniline             | 15.53 | 138  | 29982    | 2.550 | ng/ul  | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.60 | 198  | 21882    | 2.854 | ng/ul# | 77       |
| 65) N-Nitrosodiphenylamine     | 15.74 | 169  | 158729   | 3.191 | ng/ul  | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.42 | 248  | 53391    | 2.931 | ng/ul  | 97       |
| 67) Hexachlorobenzene          | 16.54 | 284  | 63255    | 3.151 | ng/ul  | 97       |
| 68) Atrazine                   | 16.69 | 200  | 48496    | 2.536 | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.87 | 266  | 23027    | 2.079 | ng/ul  | 96       |
| 70) Phenanthrene               | 17.27 | 178  | 293814   | 3.292 | ng/ul  | 100      |
| 72) Anthracene                 | 17.36 | 178  | 300622   | 3.279 | ng/ul  | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.29 | 216  | 71061    | 3.131 | ng/uL  | 98       |
| 74) Pentachlorobenzene         | 14.81 | 250  | 71235    | 3.114 | ng/uL  | 99       |
| 75) Carbazole                  | 17.62 | 167  | 267745   | 3.249 | ng/ul  | 100      |
| 76) Di-n-butylphthalate        | 18.20 | 149  | 276950   | 2.654 | ng/ul  | 99       |
| 77) Fluoranthene               | 19.28 | 202  | 326205   | 3.220 | ng/ul  | 99       |
| 80) Pvrene                     | 19.64 | 202  | 358297   | 3.274 | ng/ul  | 98       |
| 81) Butylbenzylphthalate       | 20.54 | 149  | 104104   | 2.256 | ng/ul  | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.31 | 252  | 77527    | 2.016 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.39 | 228  | 357775   | 3.189 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 162674   | 2.323 | ng/ul  | 97       |
| 85) Chrysene                   | 21.43 | 228  | 338528   | 3.279 | ng/ul  | 100      |
| 87) Di-n-octyl phthalate       | 22.22 | 149  | 250235   | 1.984 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 23.00 | 252  | 350611   | 3.024 | ng/ul  | 99       |
| 89) Benzo(k)fluoranthene       | 23.04 | 252  | 349750   | 3.104 | ng/ul  | 99       |
| 91) Benzo(a)pyrene             | 23.59 | 252  | 360078   | 3.255 | ng/ul  | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 26.02 | 276  | 400814   | 3.137 | ng/ul  | 97       |
| 93) Dibenzo(a,h)anthracene     | 26.03 | 278  | 336911   | 3.168 | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 26.73 | 276  | 327163   | 3.117 | ng/ul  | 99       |
| -----                          |       |      |          |       |        |          |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\  
Data File : BM022568.D  
Acq On : 07 Sep 2019 00:52  
Operator : HP/JU  
Sample : MDL-S-06  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-S-06

Manual Integrations  
APPROVED

mohammad  
9/9/2019 4:13:42 PM

Quant Time: Sep 08 01:48:51 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Sep 06 23:41:25 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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