

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\  
 Data File : BF108153.D  
 Acq On : 14 Aug 2018 19:01  
 Operator : JU/SJ  
 Sample : J4460-15DL 20X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081018-ESW-015DL

Manual Integrations  
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 8/15/2018 3:38:46 PM

Quant Time: Aug 15 11:14:30 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.02  | 152  | 187041   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.30  | 136  | 674440   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.07 | 164  | 290142   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.56 | 188  | 512288   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 14.22 | 240  | 459490   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.78 | 264  | 308758   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.64  | 112  | 36872    | 3.57   | ng    | 0.00      |
| 7) Phenol-d6                | 6.62  | 99   | 51695    | 3.77   | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 29918    | 2.48   | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.85 | 330  | 8615     | 2.98   | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 54531    | 3.02   | ng    | 0.00      |
| 78) Terphenyl-d14           | 13.14 | 244  | 51276    | 2.84   | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 8.32  | 128  | 162265   | 5.290  | ng    | Qvalue 98 |
| 51) Acenaphthene            | 10.10 | 154  | 81524    | 4.980  | ng    | 99        |
| 54) Dibenzofuran            | 10.27 | 168  | 99976    | 4.215  | ng    | 98        |
| 57) Fluorene                | 10.61 | 166  | 97742    | 5.206  | ng    | 98        |
| 70) Phenanthrene            | 11.59 | 178  | 1421496  | 58.830 | ng    | 99        |
| 71) Anthracene              | 11.64 | 178  | 292602   | 11.815 | ng    | 99        |
| 72) Carbazole               | 11.79 | 167  | 190280   | 8.648  | ng    | 99        |
| 74) Fluoranthene            | 12.78 | 202  | 1695925  | 64.311 | ng    | 96        |
| 77) Pyrene                  | 13.02 | 202  | 1478533  | 50.825 | ng    | 98        |
| 80) Benzo(a)anthracene      | 14.21 | 228  | 772749   | 29.304 | ng    | 99        |
| 82) Chrysene                | 14.24 | 228  | 662711   | 27.412 | ng    | 98        |
| 85) Indeno(1,2,3-cd)pyrene  | 17.39 | 276  | 208304   | 9.944  | ng    | # 88      |
| 87) Benzo(b)fluoranthene    | 15.31 | 252  | 652428m  | 35.363 | ng    |           |
| 88) Benzo(k)fluoranthene    | 15.34 | 252  | 188564m  | 11.118 | ng    |           |
| 89) Benzo(a)pyrene          | 15.71 | 252  | 388362m  | 23.507 | ng    |           |
| 90) Dibenzo(a,h)anthracene  | 17.41 | 278  | 57638    | 4.217  | ng    | 95        |
| 91) Benzo(a,h,i)perylene    | 17.89 | 276  | 199653   | 14.833 | ng    | # 88      |

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

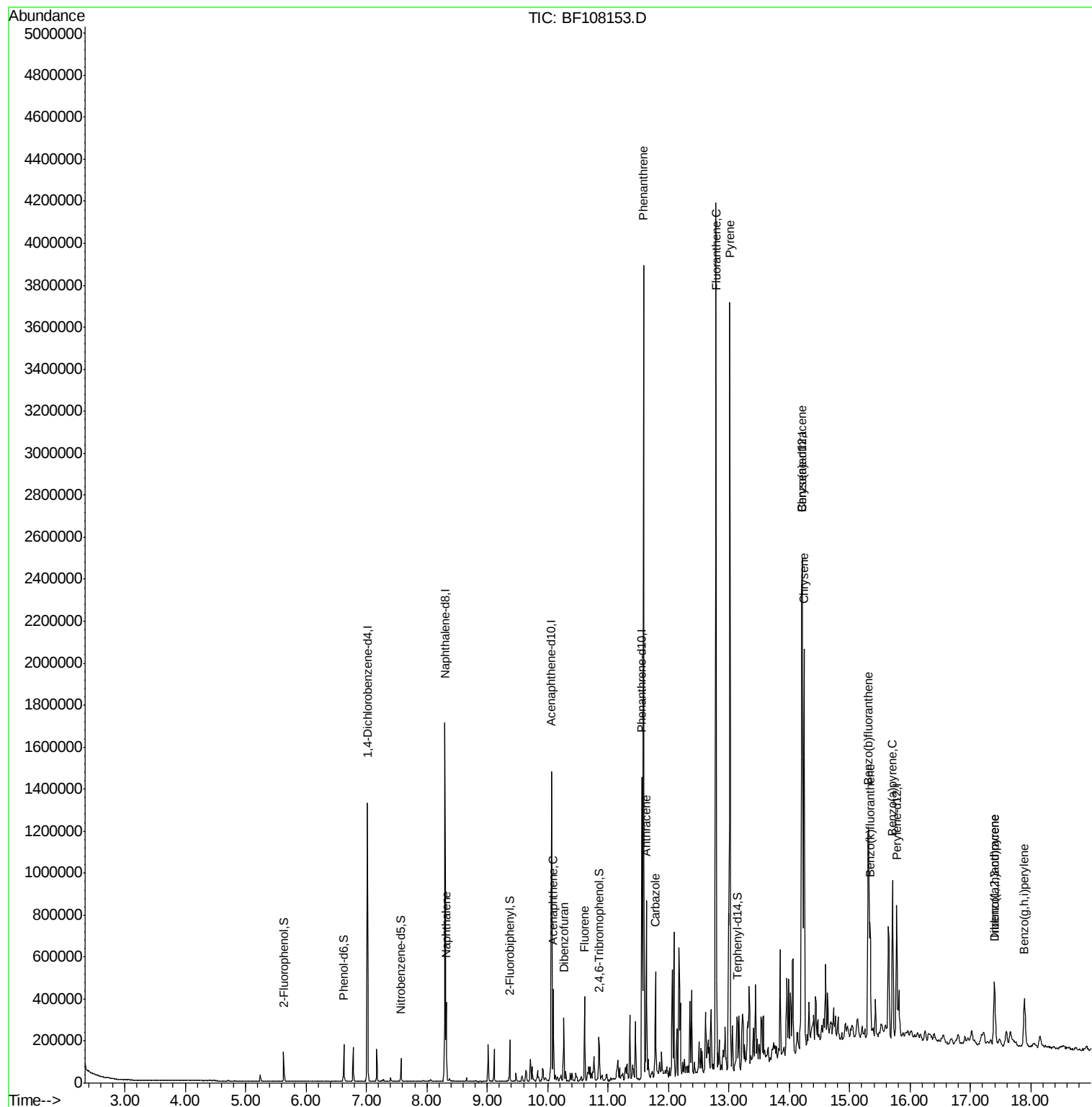
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\  
Data File : BF108153.D  
Acq On : 14 Aug 2018 19:01  
Operator : JU/SJ  
Sample : J4460-15DL 20X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

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8/15/2018 3:38:46 PM

Quant Time: Aug 15 11:14:30 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 08 12:24:24 2018  
Response via : Initial Calibration





#1

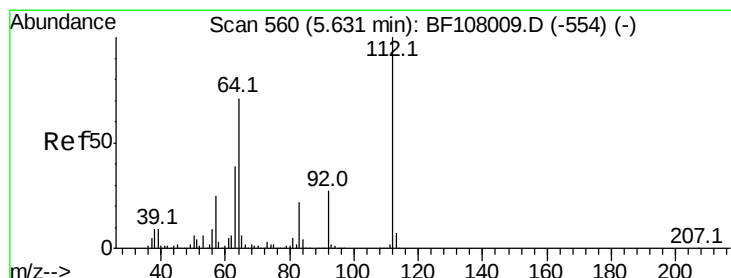
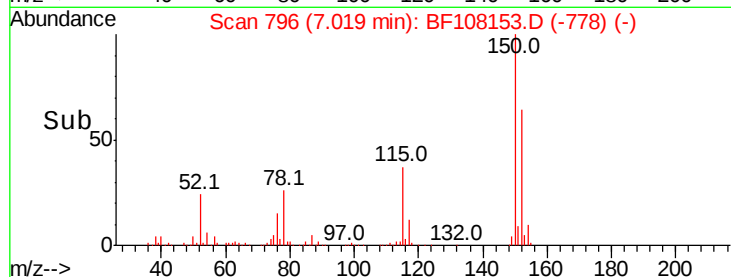
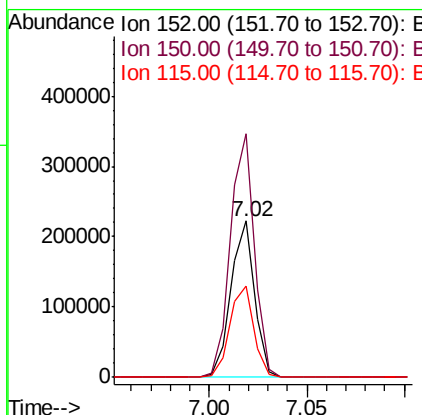
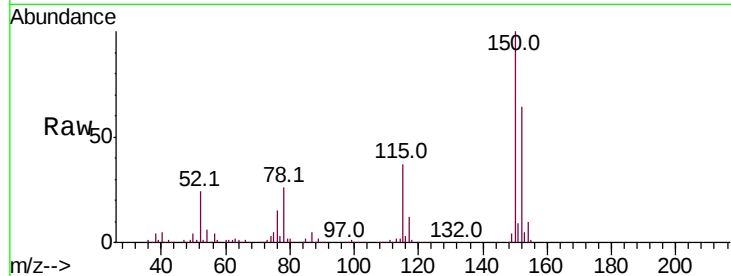
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.02 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 124.6 | 186.8 |
| 115     | 58.0  | 50.1  | 75.1  |

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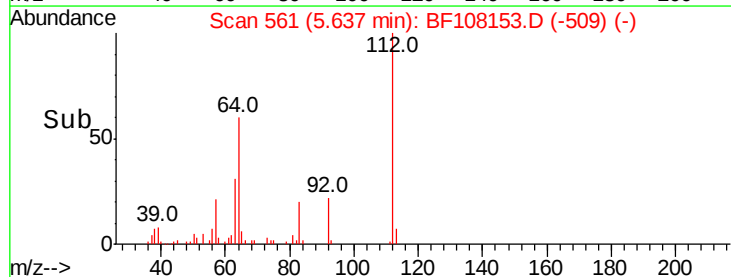
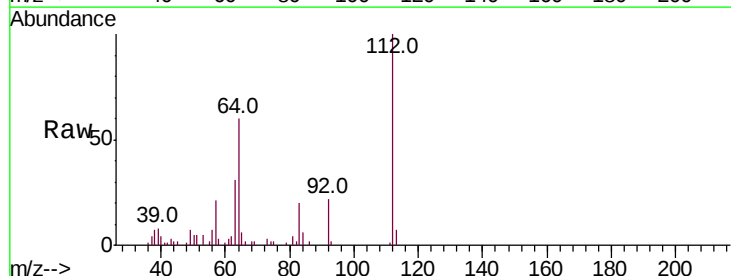
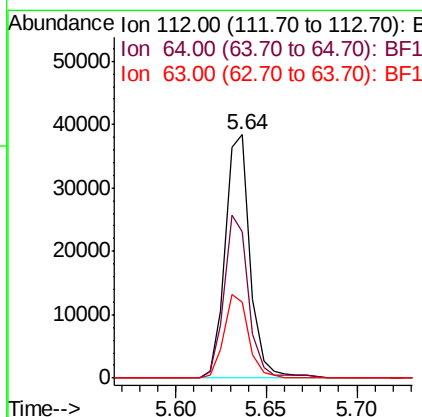
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#5

2-Fluorophenol  
Concen: 3.569 ng  
RT: 5.64 min Scan# 561  
Delta R.T. 0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.2  | 47.9  | 71.9  |
| 63      | 31.4  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 3.765 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

Instrument :

BNA\_F

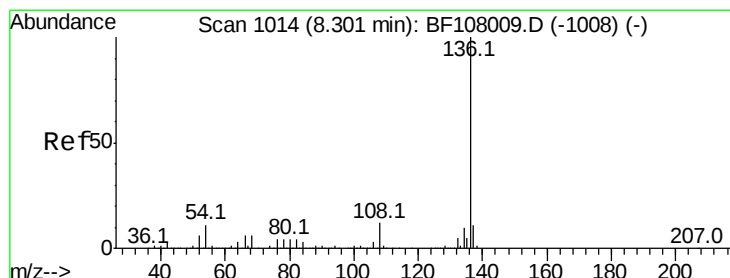
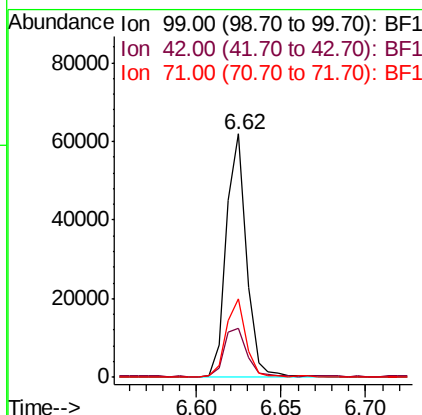
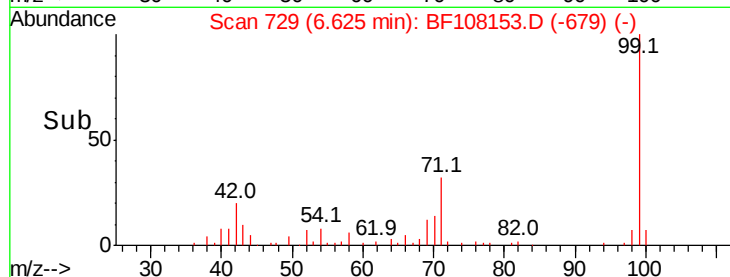
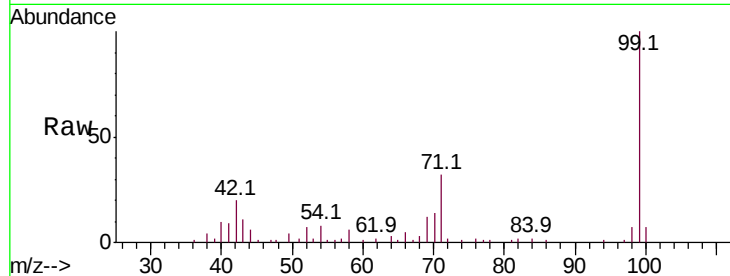
ClientSampleId :

RA-081018-ESW-015DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 51695 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 20.2  | 14.5  | 21.7  |
| 71        | 32.4  | 25.4  | 38.0  |

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#21

Naphthalene-d8

Concen: 20.000 ng

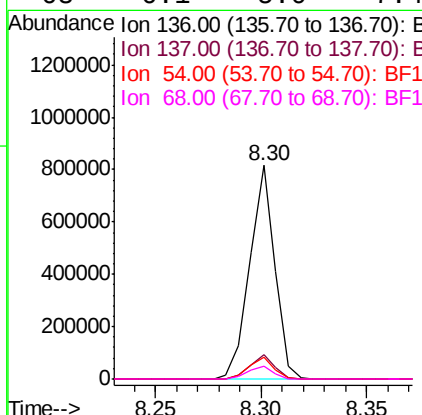
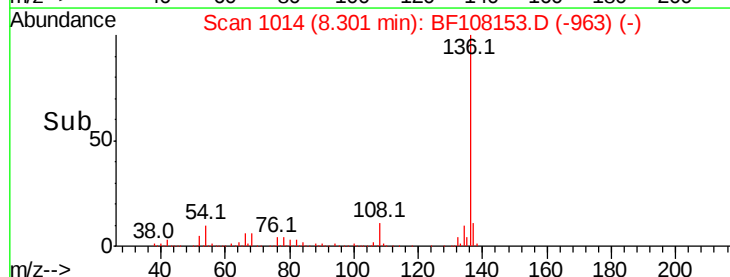
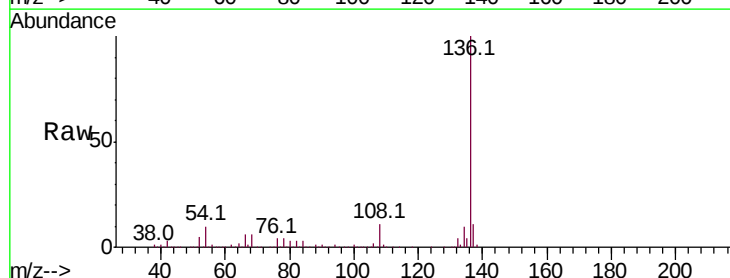
RT: 8.30 min Scan# 1014

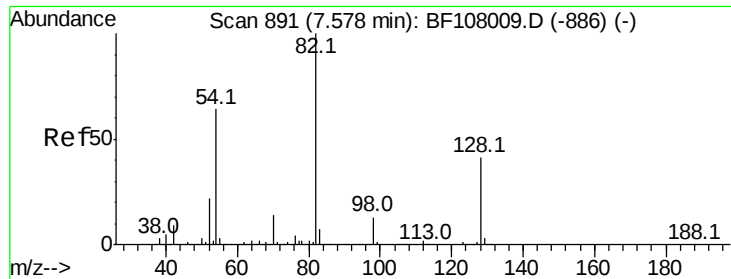
Delta R.T. 0.00 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 674440 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 8.9   | 13.3   |
| 54        | 10.1  | 6.6   | 9.8    |
| 68        | 6.1   | 5.0   | 7.4    |





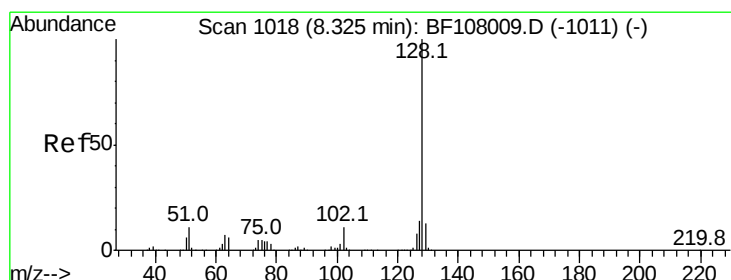
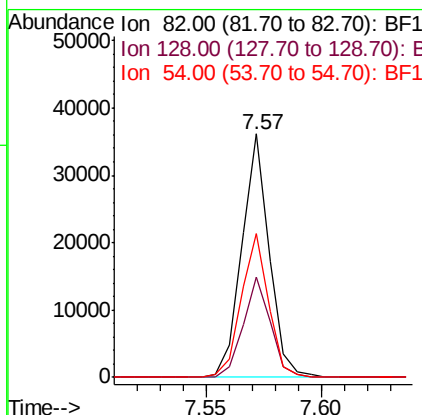
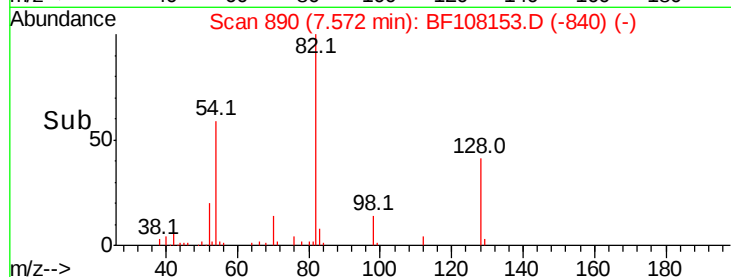
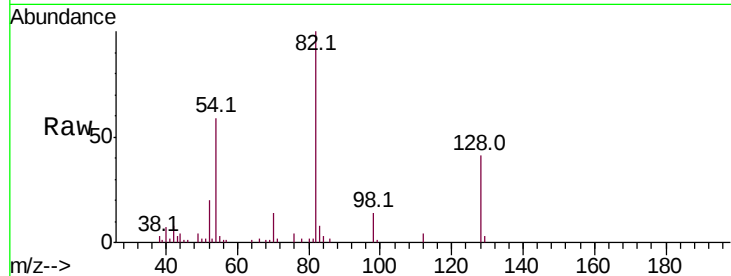
#23  
 Nitrobenzene-d5  
 Concen: 2.475 ng  
 RT: 7.57 min Scan# 890  
 Delta R.T. -0.01 min  
 Lab File: BF108153.D  
 Acq: 14 Aug 2018 19:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081018-ESW-015DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.3  | 36.1  | 54.1  |
| 54      | 59.0  | 41.4  | 62.2  |

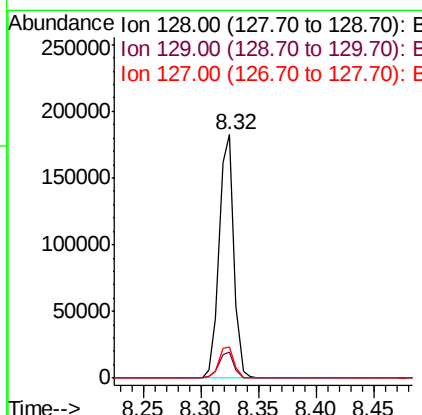
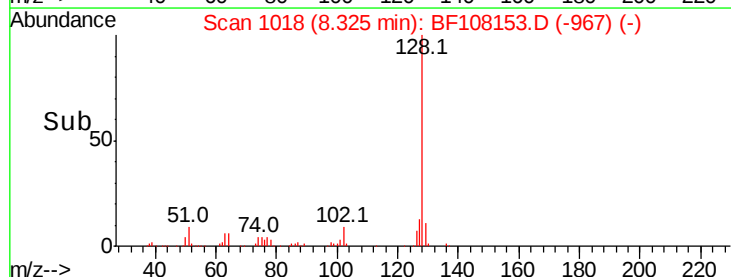
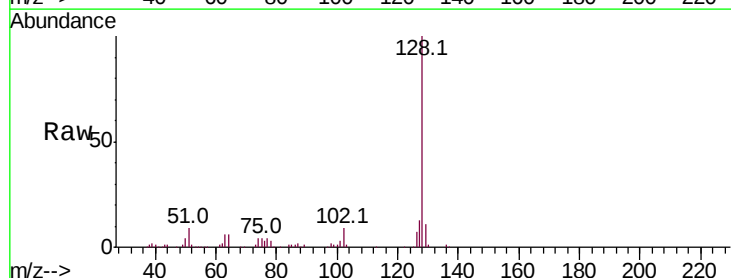
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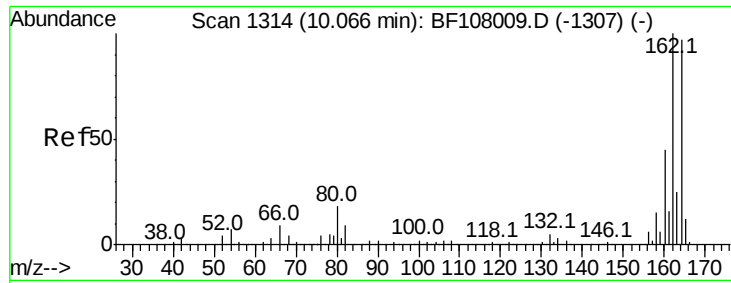
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#31  
 Naphthalene  
 Concen: 5.290 ng  
 RT: 8.32 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: BF108153.D  
 Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.7  | 8.8   | 13.2  |
| 127     | 12.7  | 10.9  | 16.3  |





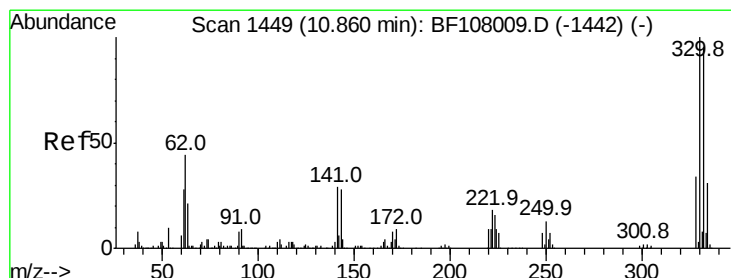
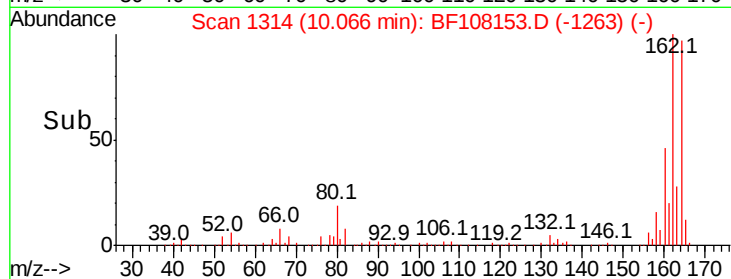
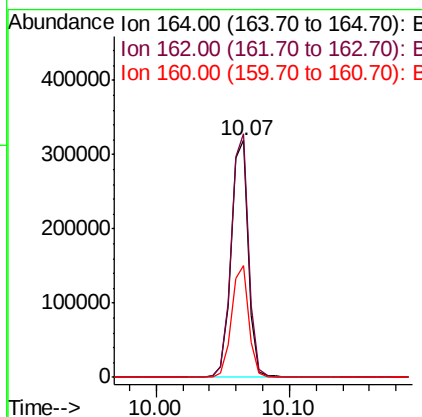
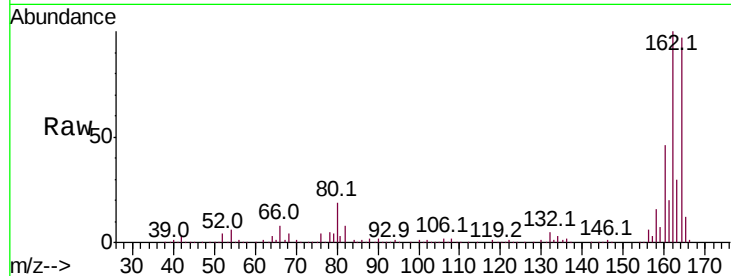
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.07 min Scan# 1314  
Delta R.T. 0.00 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 102.7 | 86.1 | 129.1 |       |
| 160     | 47.2  | 38.3 | 57.5  |       |

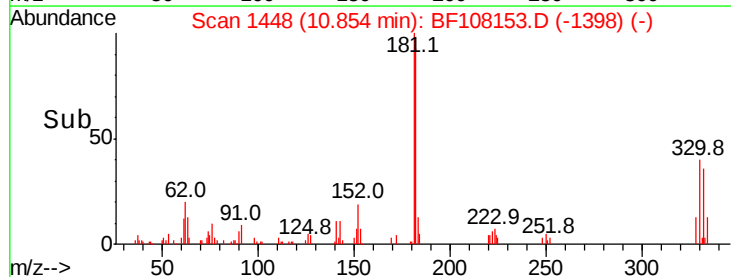
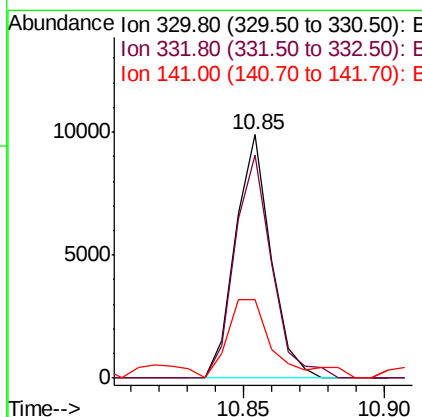
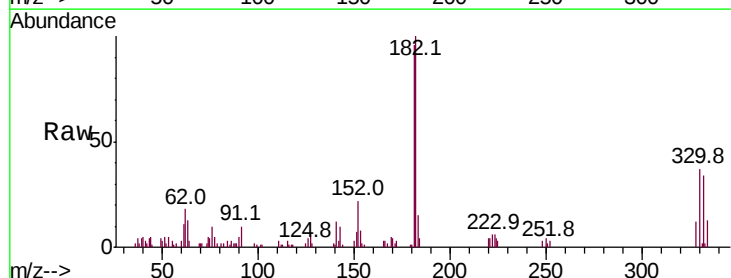
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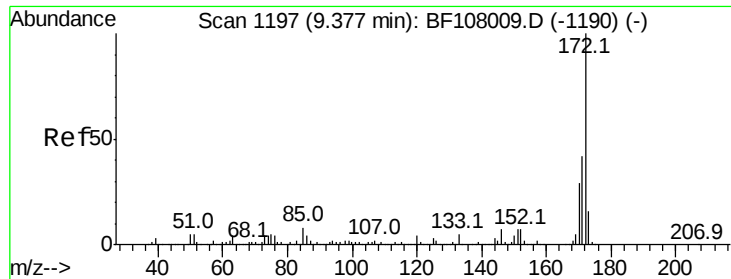
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#41  
2,4,6-Tribromophenol  
Concen: 2.977 ng  
RT: 10.85 min Scan# 1448  
Delta R.T. -0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.1  | 77.0 | 115.6 |       |
| 141     | 42.6  | 29.9 | 44.9  |       |





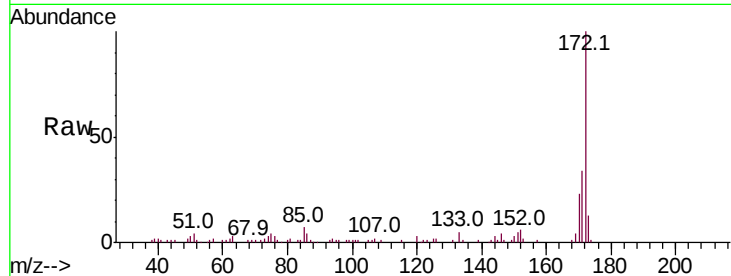
#44  
2-Fluorobiphenyl  
Concen: 3.017 ng  
RT: 9.37 min Scan# 1196  
Delta R.T. -0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

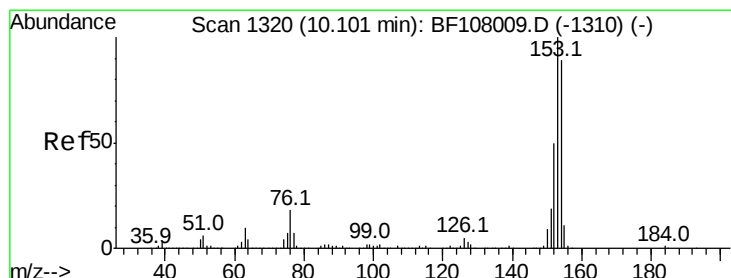
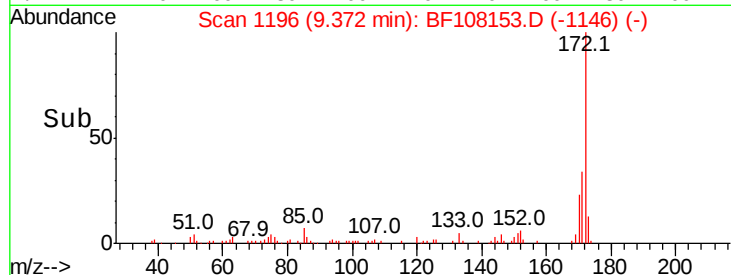
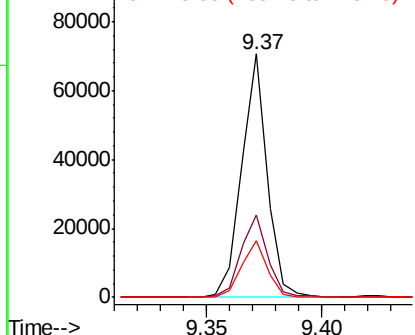
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 172   | Resp: | 54531 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 33.6  | 29.7  | 44.5  |
| 170       | 23.2  | 19.6  | 29.4  |

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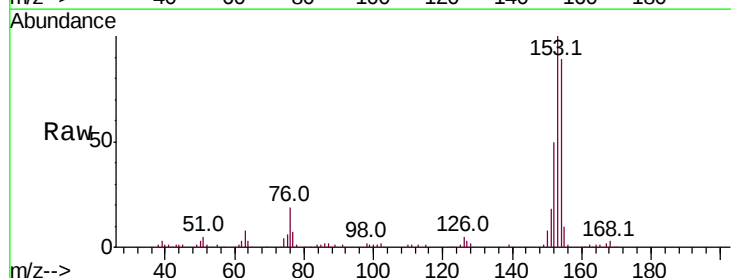


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

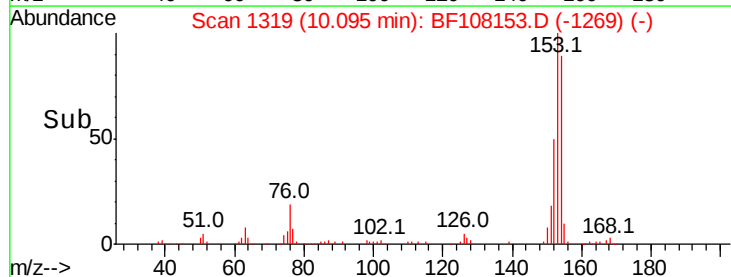
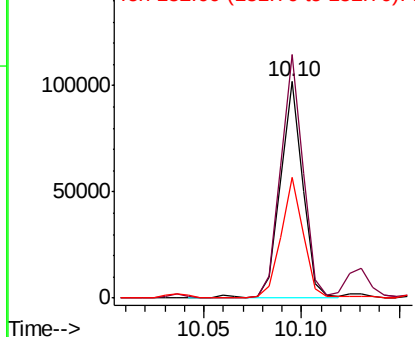


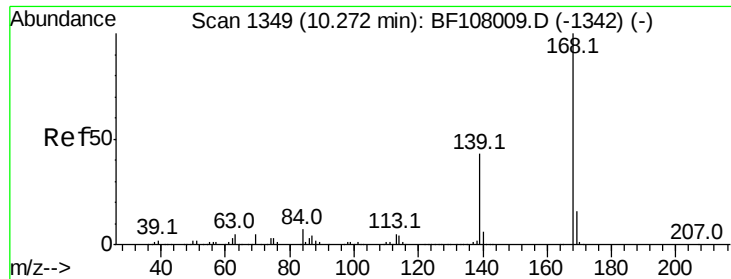
#51  
Acenaphthene  
Concen: 4.980 ng  
RT: 10.10 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 81524 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 112.4 | 91.2  | 136.8 |
| 152       | 55.6  | 43.8  | 65.8  |



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





#54

Dibenzofuran

Concen: 4.215 ng

RT: 10.27 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

Instrument :

BNA\_F

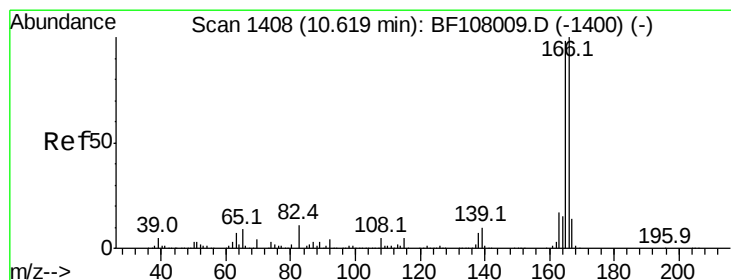
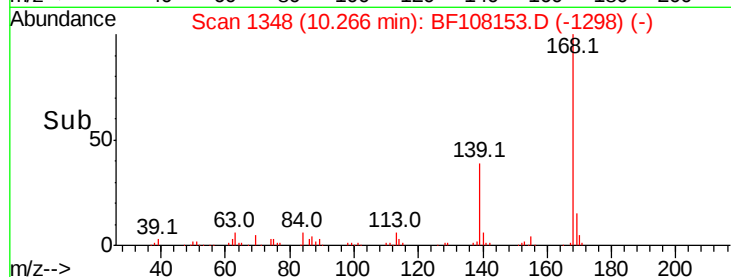
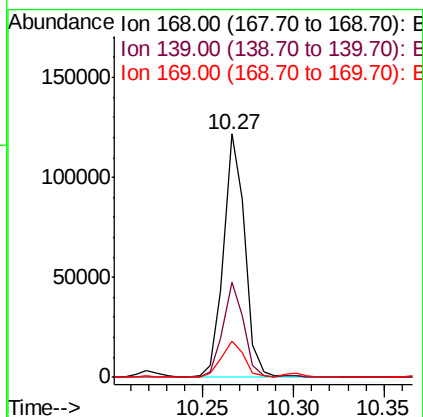
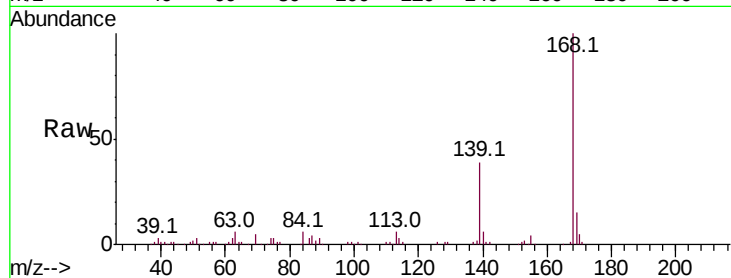
ClientSampleId :

RA-081018-ESW-015DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 168   | Resp: | 99976 |
| Ion Ratio | Lower | Upper |       |
| 168       | 100   |       |       |
| 139       | 38.9  | 30.1  | 45.1  |
| 169       | 14.7  | 10.9  | 16.3  |

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#57

Fluorene

Concen: 5.206 ng

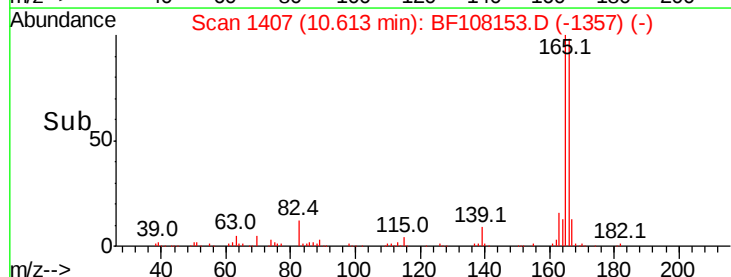
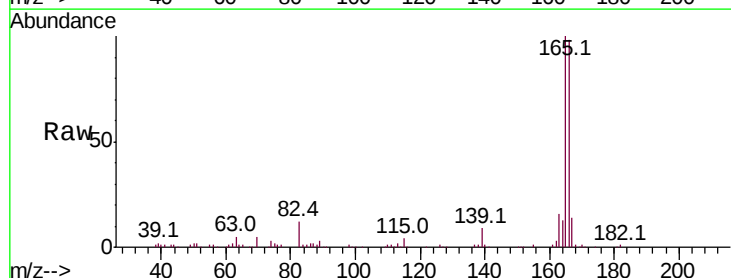
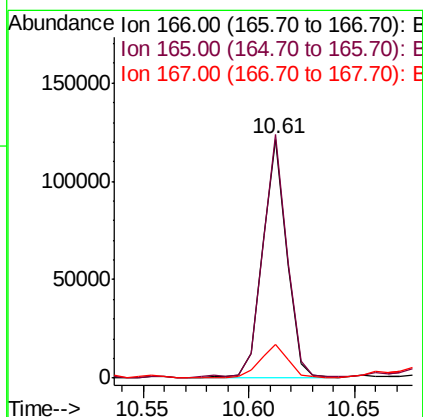
RT: 10.61 min Scan# 1407

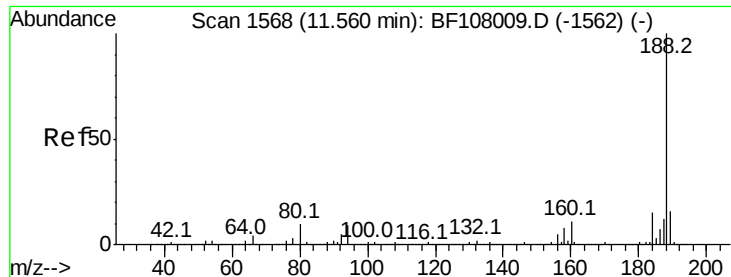
Delta R.T. -0.01 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 97742 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 101.8 | 79.8  | 119.8 |
| 167       | 13.9  | 10.6  | 16.0  |





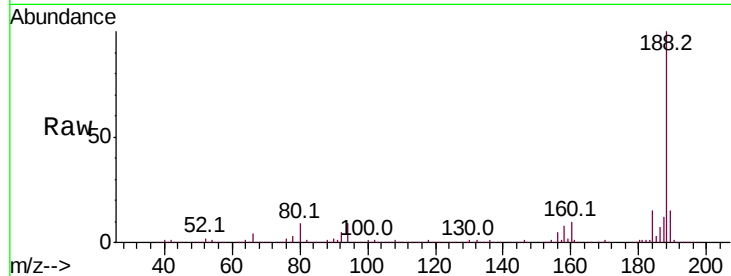
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.56 min Scan# 1568  
 Delta R.T. 0.00 min  
 Lab File: BF108153.D  
 Acq: 14 Aug 2018 19:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081018-ESW-015DL

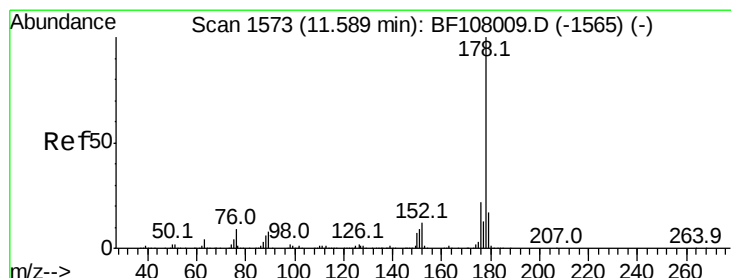
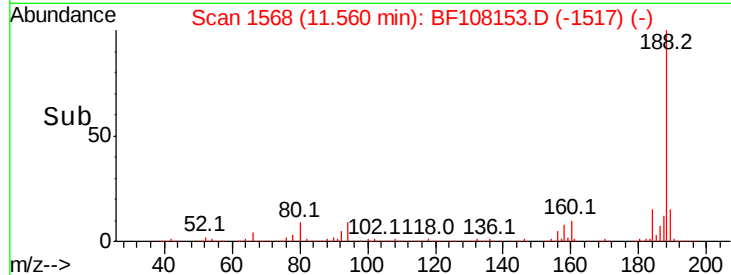
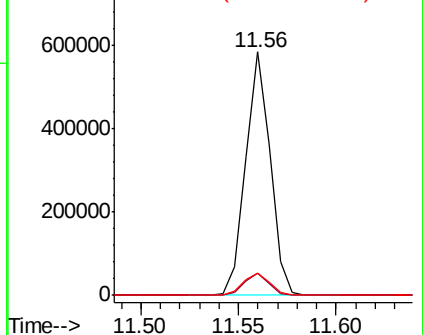
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 512288 |       |       |
| 94      | 8.9   | 8.5    | 12.7  |       |
| 80      | 9.3   | 9.2    | 13.8  |       |

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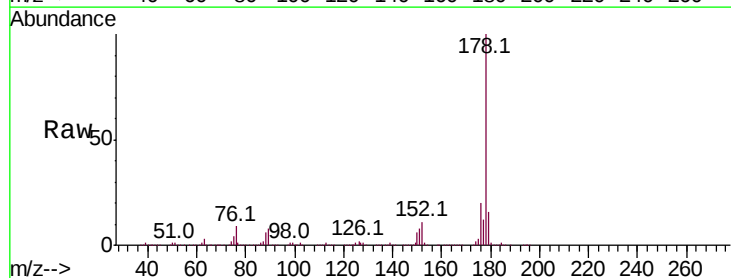


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

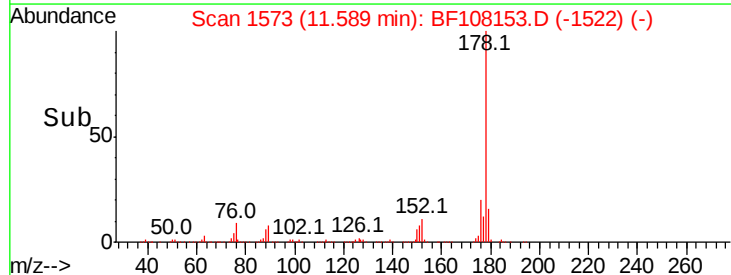
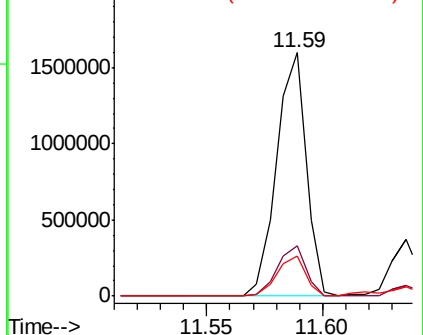


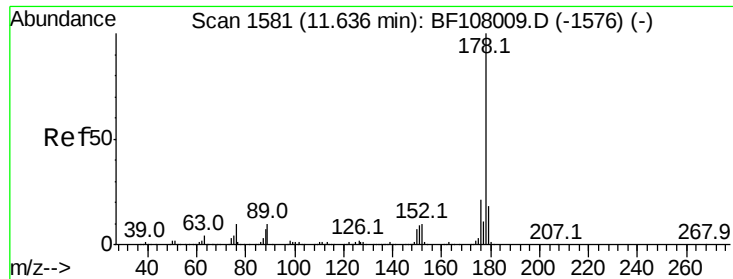
#70  
 Phenanthrene  
 Concen: 58.830 ng  
 RT: 11.59 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: BF108153.D  
 Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1421496 |       |       |
| 176     | 20.5  | 15.8    | 23.8  |       |
| 179     | 16.2  | 13.0    | 19.6  |       |



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





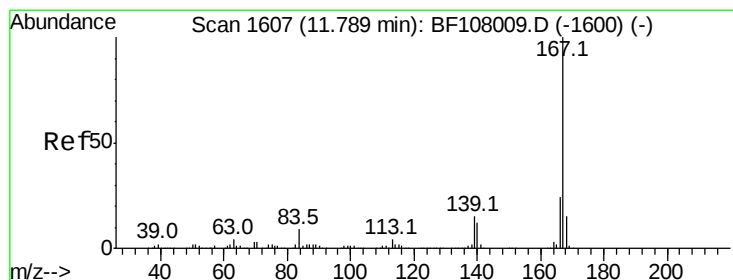
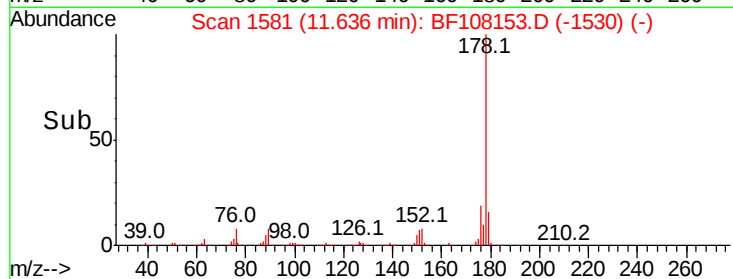
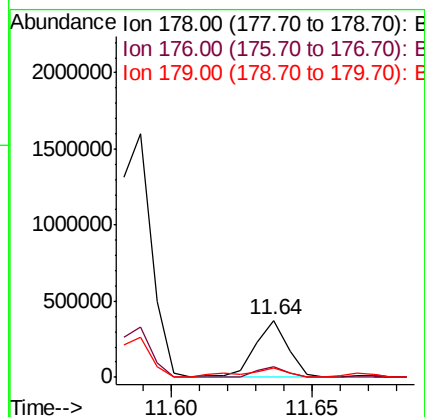
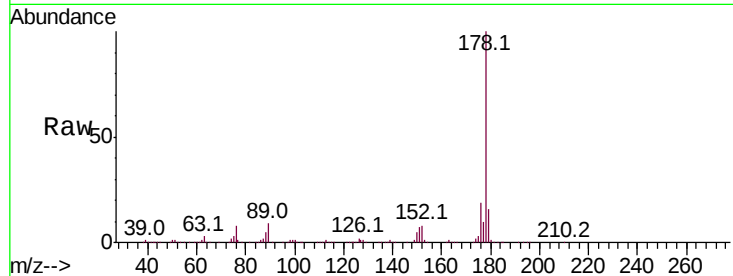
#71  
 Anthracene  
 Concen: 11.815 ng  
 RT: 11.64 min Scan# 1581  
 Delta R.T. 0.00 min  
 Lab File: BF108153.D  
 Acq: 14 Aug 2018 19:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081018-ESW-015DL

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 292602    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.8  | 15.4 23.2 |
| 179         | 15.6  | 12.6 19.0 |

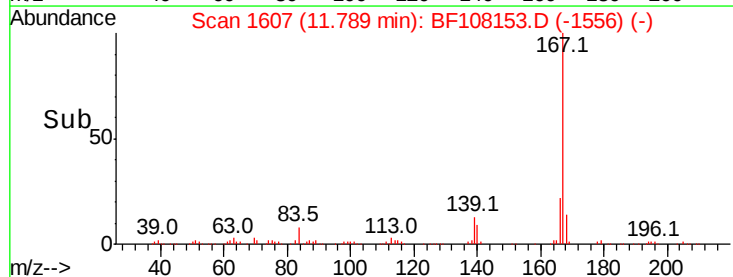
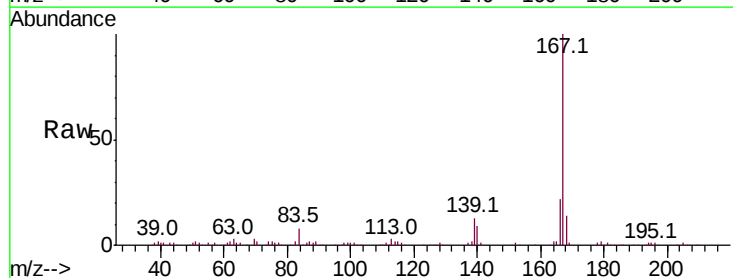
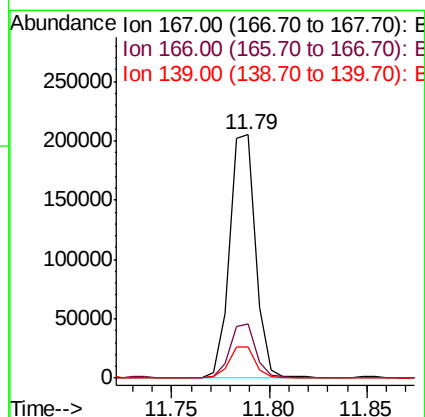
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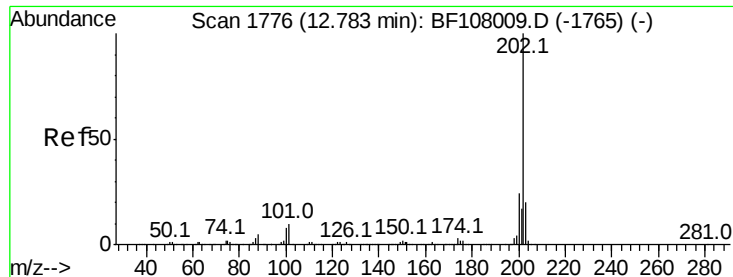
Sohil  
 8/15/2018 3:38:46 PM



#72  
 Carbazole  
 Concen: 8.648 ng  
 RT: 11.79 min Scan# 1607  
 Delta R.T. 0.00 min  
 Lab File: BF108153.D  
 Acq: 14 Aug 2018 19:01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:167 | Resp: | 190280    |
| Ion Ratio   | Lower | Upper     |
| 167         | 100   |           |
| 166         | 22.2  | 17.6 26.4 |
| 139         | 12.7  | 10.9 16.3 |





#74

Fluoranthene

Concen: 64.311 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

Instrument :

BNA\_F

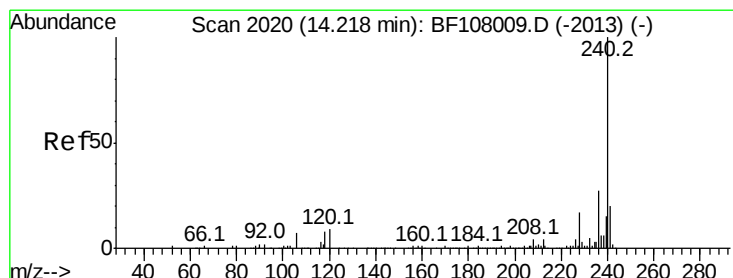
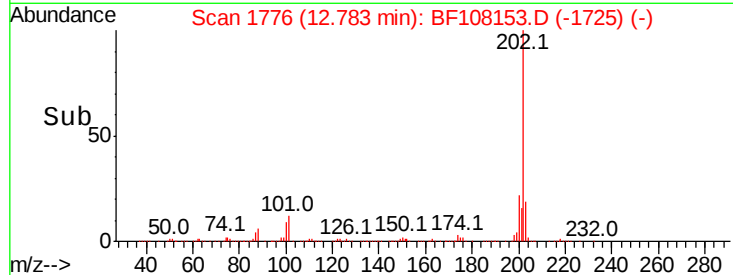
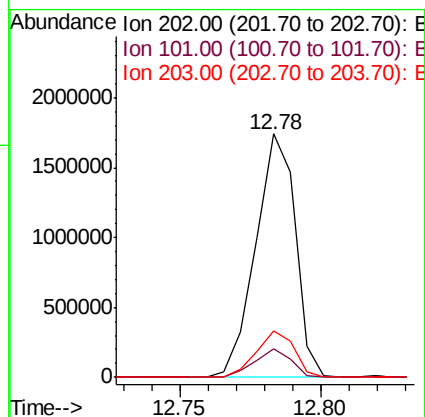
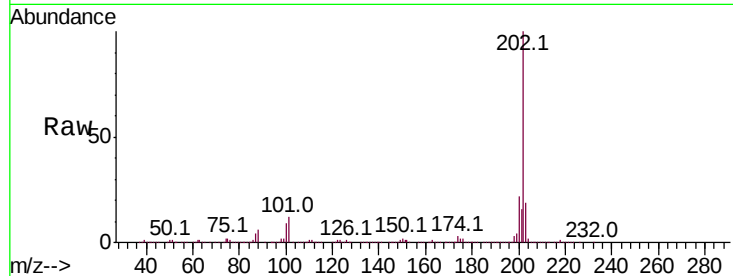
ClientSampleId :

RA-081018-ESW-015DL

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1695925 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 11.6  | 0.0   | 34.1    |
| 203       | 19.0  | 0.0   | 38.1    |

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#75

Chrysene-d12

Concen: 20.000 ng

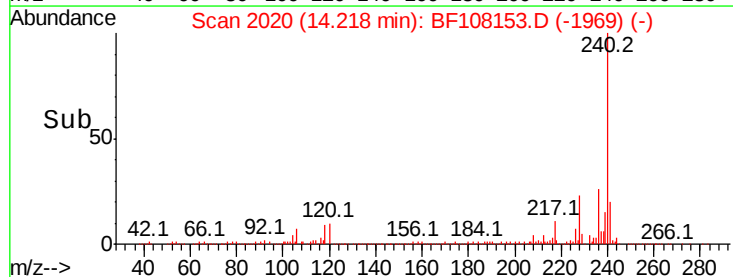
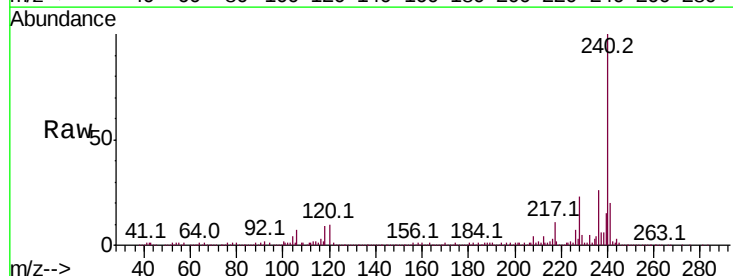
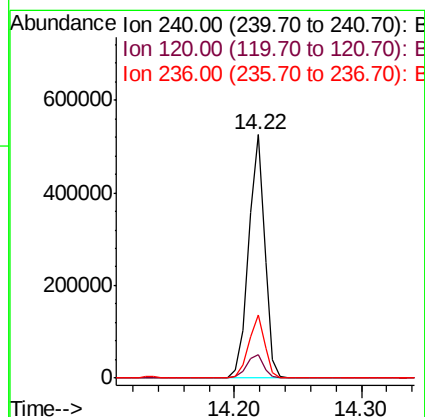
RT: 14.22 min Scan# 2020

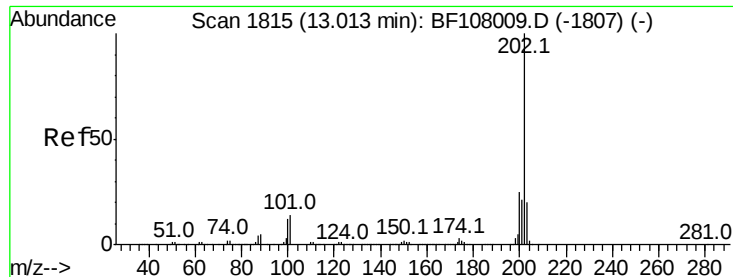
Delta R.T. 0.00 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 459490 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.7   | 9.5   | 14.3   |
| 236       | 26.1  | 20.7  | 31.1   |





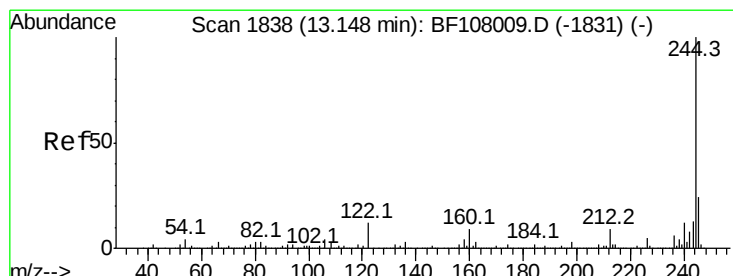
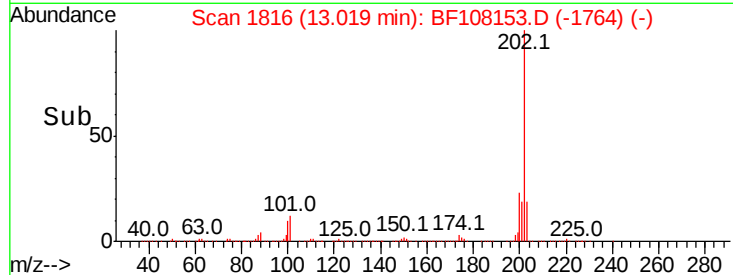
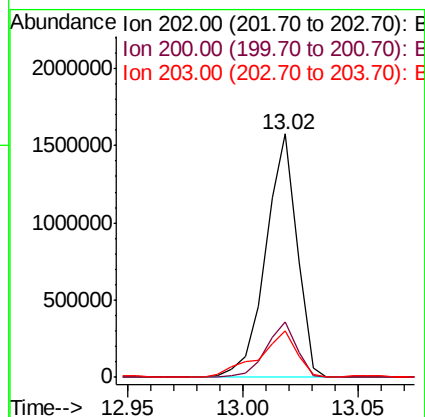
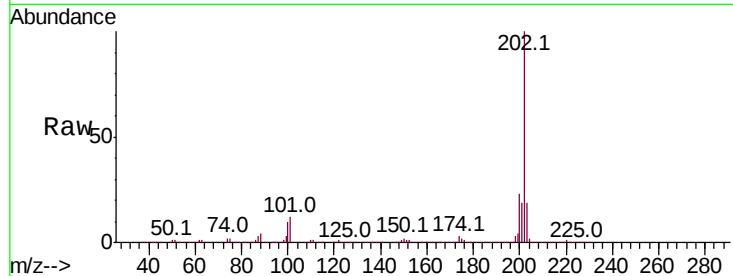
#77  
Pvrene  
Concen: 50.825 ng  
RT: 13.02 min Scan# 1816  
Delta R.T. 0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.7  | 17.4  | 26.2  |
| 203     | 19.0  | 14.3  | 21.5  |

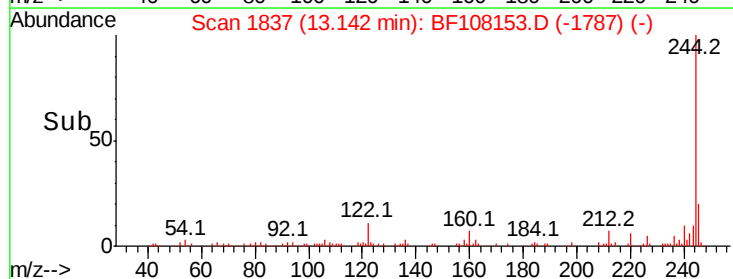
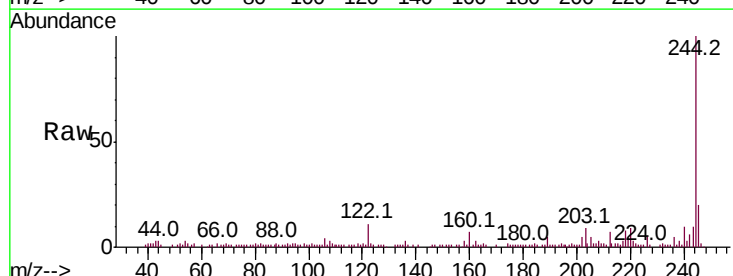
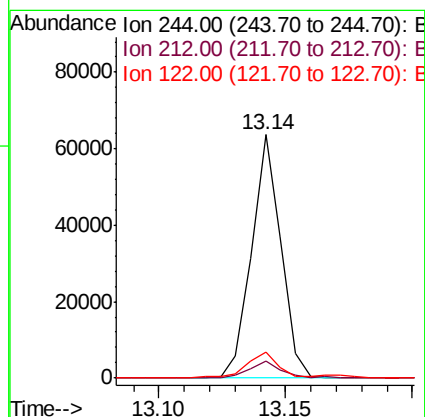
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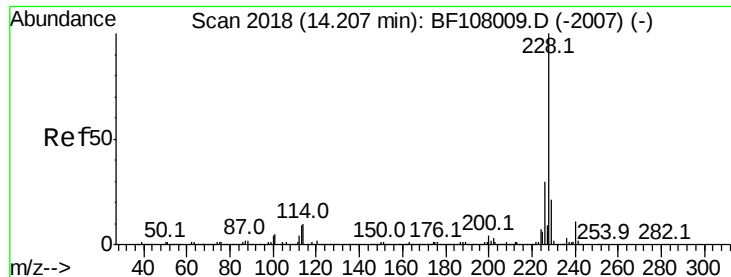
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#78  
Terphenyl-d14  
Concen: 2.837 ng  
RT: 13.14 min Scan# 1837  
Delta R.T. -0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.4   | 8.0   |
| 122     | 10.7  | 11.0  | 16.4  |





#80

Benzo(a)anthracene

Concen: 29.304 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

Instrument :

BNA\_F

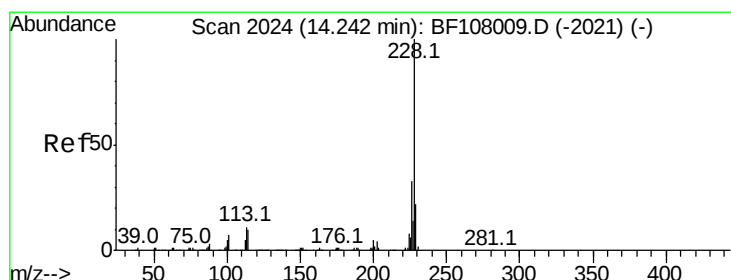
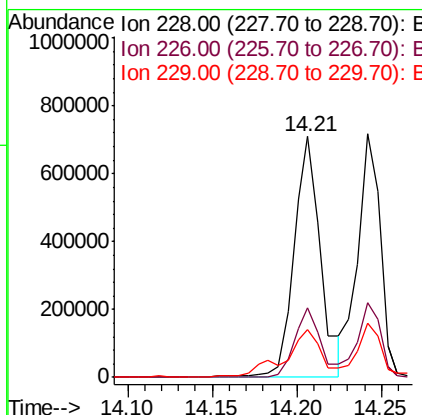
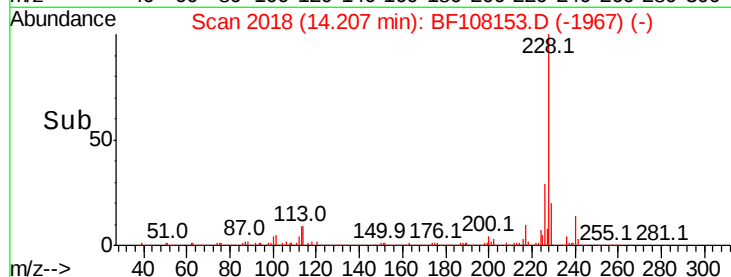
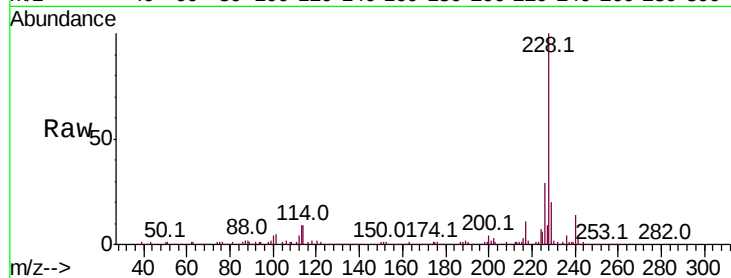
ClientSampleId :

RA-081018-ESW-015DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 772749 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.9  | 22.6  | 33.8   |
| 229       | 20.1  | 15.8  | 23.6   |

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#82

Chrysene

Concen: 27.412 ng

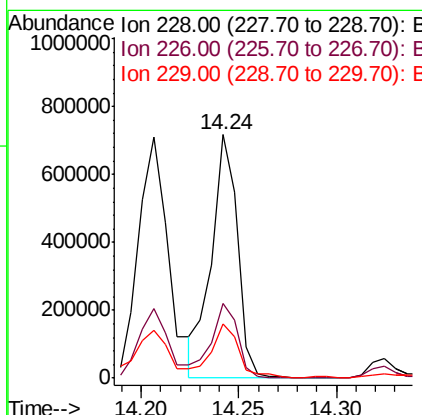
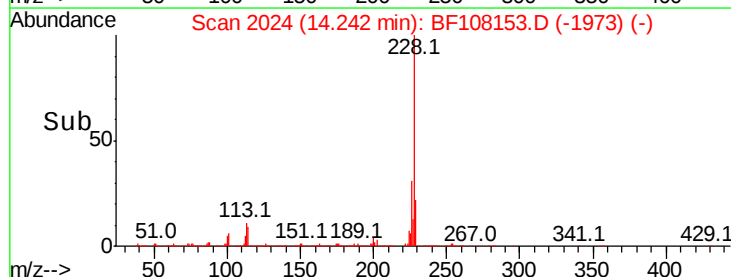
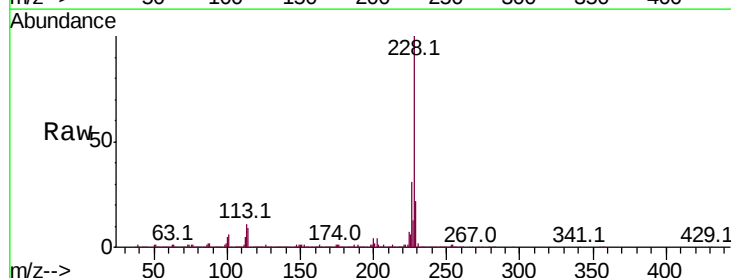
RT: 14.24 min Scan# 2024

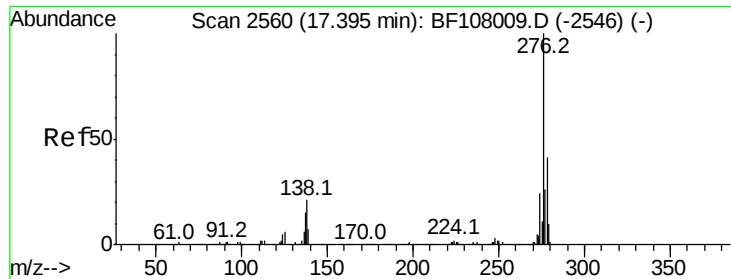
Delta R.T. 0.00 min

Lab File: BF108153.D

Acq: 14 Aug 2018 19:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 662711 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.8  | 25.0  | 37.6   |
| 229       | 22.4  | 16.2  | 24.4   |





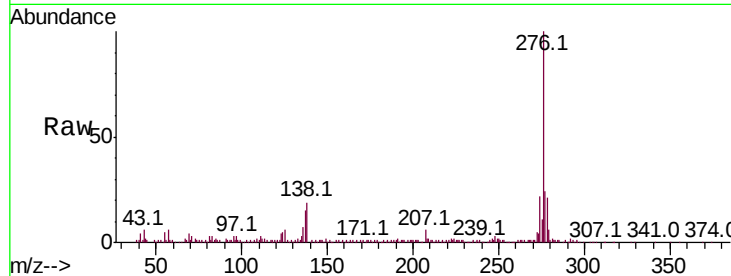
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 9.944 ng  
RT: 17.39 min Scan# 2560  
Delta R.T. 0.00 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

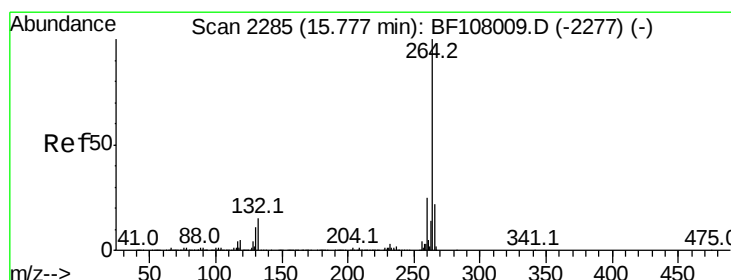
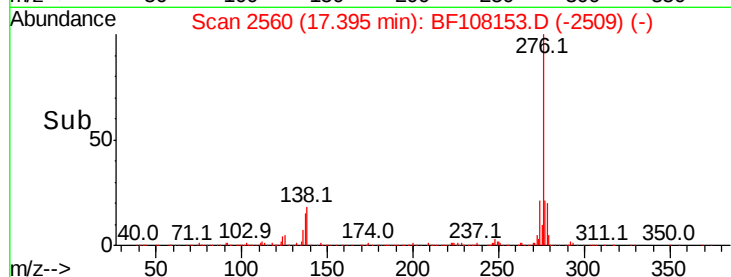
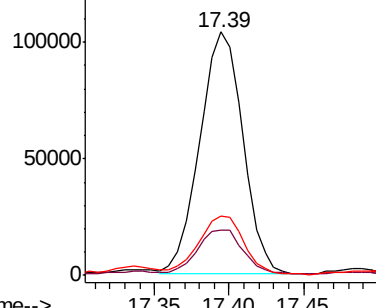
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.5  | 25.0  | 37.6# |
| 277     | 25.2  | 20.1  | 30.1  |

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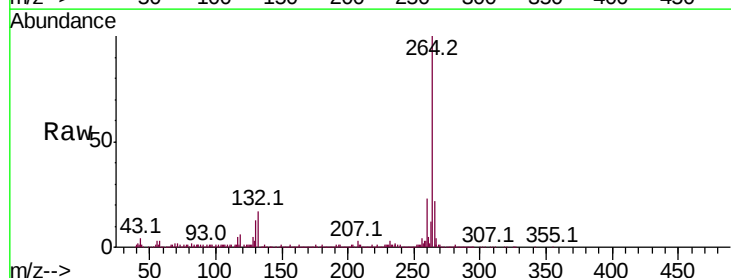


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

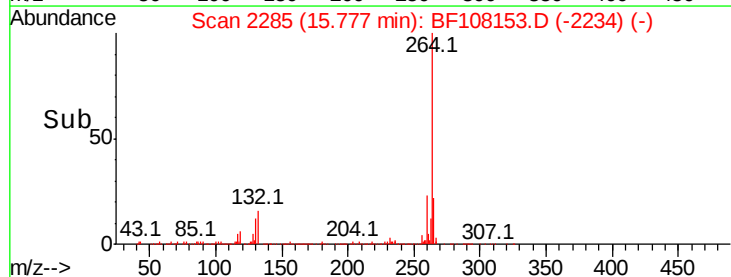
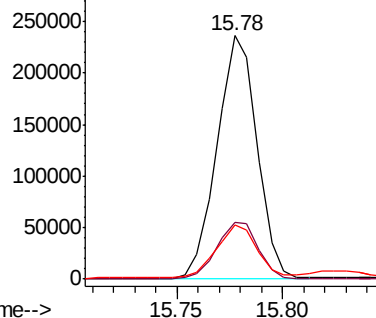


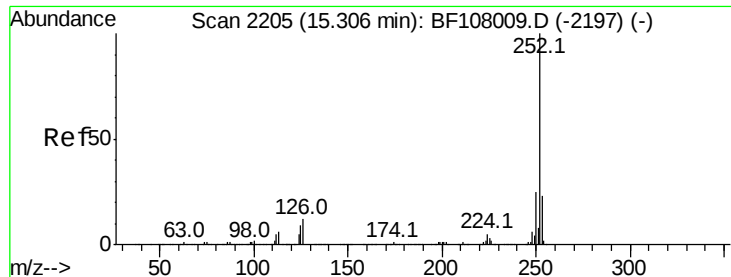
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.78 min Scan# 2285  
Delta R.T. 0.00 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.2  | 28.8  |
| 265     | 22.3  | 17.5  | 26.3  |



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





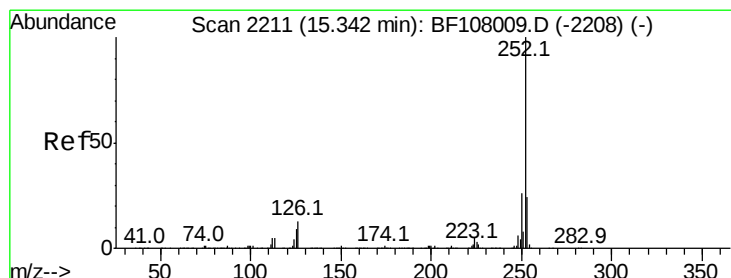
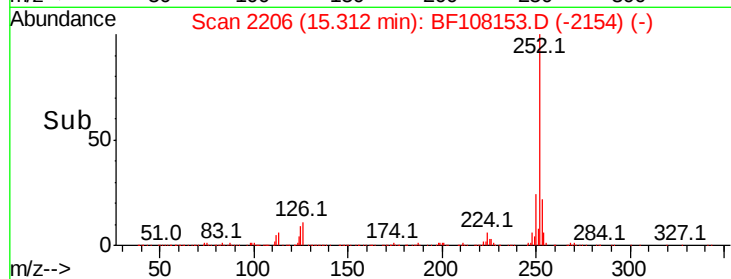
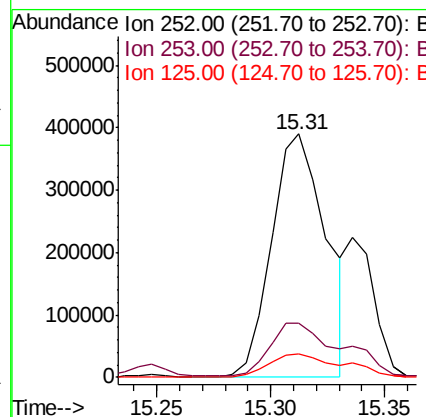
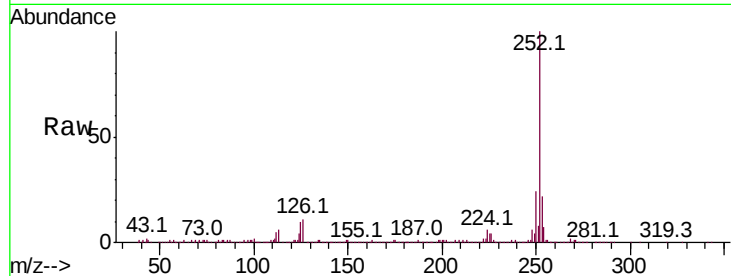
#87  
Benzo(b)fluoranthene  
Concen: 35.363 ng m  
RT: 15.31 min Scan# 2206  
Delta R.T. 0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.0  | 25.6  |
| 125     | 9.7   | 9.0   | 13.6  |

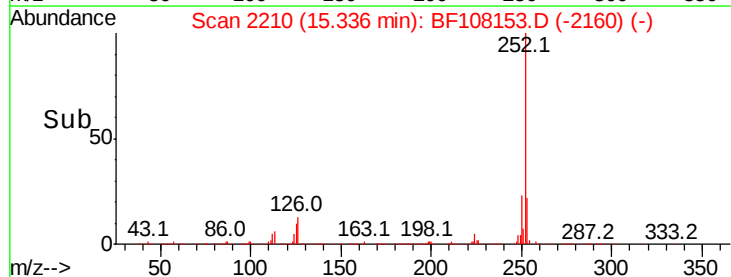
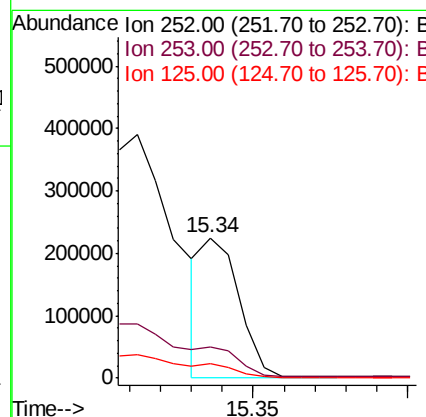
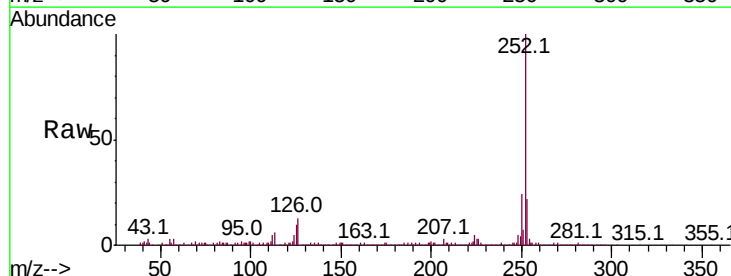
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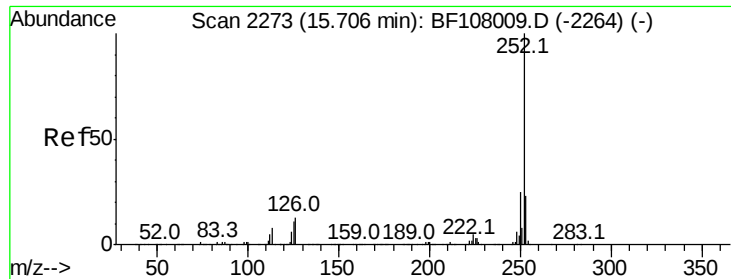
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#88  
Benzo(k)fluoranthene  
Concen: 11.118 ng m  
RT: 15.34 min Scan# 2210  
Delta R.T. -0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.9  | 26.9  |
| 125     | 10.0  | 10.2  | 15.2# |





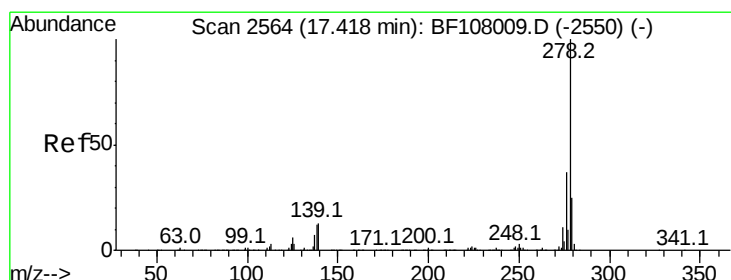
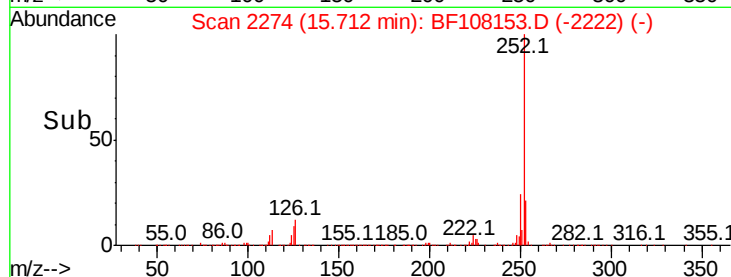
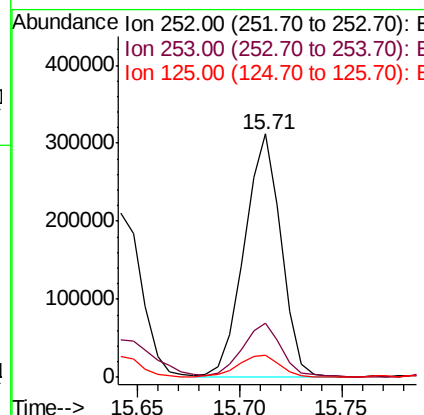
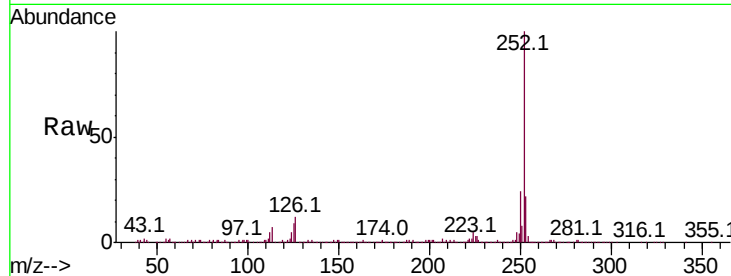
#89  
Benzo(a)pyrene  
Concen: 23.507 ng/ml  
RT: 15.71 min Scan# 2274  
Delta R.T. 0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081018-ESW-015DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 17.1  | 25.7  |
| 125     | 9.2   | 9.8   | 14.6  |

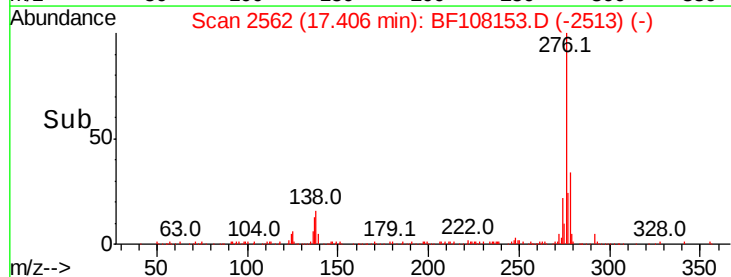
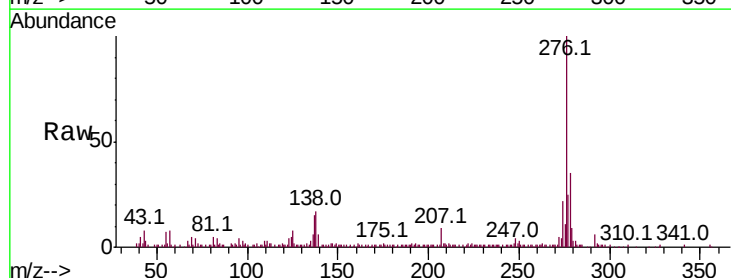
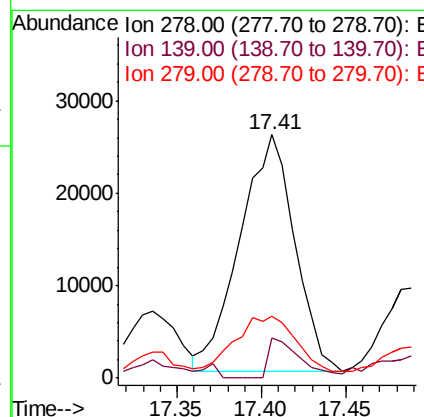
Manual Integrations  
APPROVED

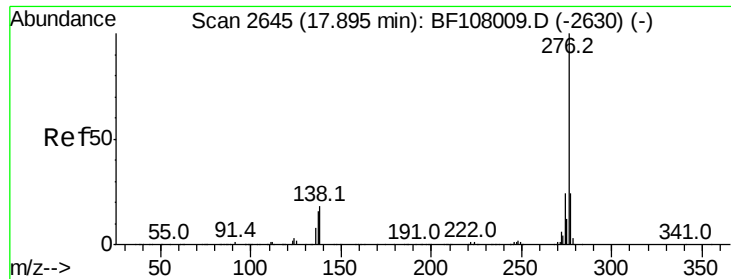
Sohil  
8/15/2018 3:38:46 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 4.217 ng  
RT: 17.41 min Scan# 2562  
Delta R.T. -0.01 min  
Lab File: BF108153.D  
Acq: 14 Aug 2018 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.3  | 15.9  | 23.9  |
| 279     | 25.4  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 14.833 ng  
 RT: 17.89 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: BF108153.D  
 Acq: 14 Aug 2018 19:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081018-ESW-015DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.3  | 17.9  | 26.9  |
| 138     | 18.7  | 21.8  | 32.8# |

Manual Integrations  
 APPROVED

Sohil  
 8/15/2018 3:38:46 PM

