

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM021319\  
 Data File : BM018815.D  
 Acq On : 13 Feb 2019 23:15  
 Operator : JU/SJ  
 Sample : K1457-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 IDW-LIQUID-03

Quant Time: Feb 14 00:54:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 320488   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 1273636  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.36 | 164  | 709766   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.11 | 188  | 1632843  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.30 | 240  | 1627327  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.56 | 264  | 1474465  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.30  | 112  | 2654057  | 135.69 | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 3339278  | 121.18 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.88  | 82   | 2667433  | 96.84  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.86 | 330  | 1542571  | 150.77 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.97 | 172  | 5223517  | 97.70  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.74 | 244  | 8536354  | 108.21 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88   | 608      | 0.071     | ng    | # 1    |
| 3) Pyridine                    | 3.65  | 79   | 504      | 0.022     | ng    | # 1    |
| 4) n-Nitrosodimethylamine      | 3.52  | 42   | 6914     | 1.170     | ng    | # 1    |
| 8) 2-Chlorophenol              | 7.27  | 128  | 593      | 0.028     | ng    | # 1    |
| 9) Benzaldehyde                | 6.89  | 77   | 7706     | Below Cal |       | # 11   |
| 10) Phenol                     | 6.91  | 94   | 4954     | 0.171     | ng    | # 1    |
| 15) Benzyl Alcohol             | 8.03  | 79   | 37665    | 1.720     | ng    | # 39   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45   | 246      | 0.011     | ng    | # 1    |
| 18) Hexachloroethane           | 8.80  | 117  | 758      | 0.084     | ng    | # 1    |
| 19) n-Nitroso-di-n-propylamine | 8.48  | 70   | 125      | 0.006     | ng    | # 1    |
| 20) 3+4-Methylphenols          | 8.49  | 107  | 5173     | 0.203     | ng    | # 83   |
| 22) Acetophenone               | 8.55  | 105  | 1027     | 0.029     | ng    | # 30   |
| 24) Nitrobenzene               | 8.88  | 77   | 9560     | 0.334     | ng    | # 44   |
| 25) Isophorone                 | 9.45  | 82   | 4850     | 0.110     | ng    | # 87   |
| 28) bis(2-Chloroethoxy)methane | 9.91  | 93   | 1726     | 0.061     | ng    | # 1    |
| 31) Naphthalene                | 10.55 | 128  | 1676     | 0.027     | ng    | # 68   |
| 32) Benzoic acid               | 9.77  | 122  | 8386     | 0.578     | ng    | # 95   |
| 37) 2-Methylnaphthalene        | 12.16 | 142  | 831      | 0.019     | ng    | # 15   |
| 38) 1-Methylnaphthalene        | 12.39 | 142  | 418      | 0.010     | ng    | # 7    |
| 46) 1,1'-Biphenyl              | 13.19 | 154  | 8921     | 0.146     | ng    | # 97   |
| 50) Dimethylphthalate          | 13.83 | 163  | 1838     | 0.031     | ng    | # 78   |
| 52) Acenaphthene               | 14.43 | 154  | 578      | 0.013     | ng    | # 91   |
| 58) Fluorene                   | 15.42 | 166  | 771      | 0.014     | ng    | # 95   |
| 60) Diethylphthalate           | 15.19 | 149  | 4230     | 0.069     | ng    | # 96   |
| 63) Azobenzene                 | 15.68 | 77   | 252      | 0.004     | ng    | # 58   |
| 71) Phenanthrene               | 17.16 | 178  | 2581     | 0.029     | ng    | # 78   |
| 72) Anthracene                 | 17.25 | 178  | 408      | 0.005     | ng    | # 61   |
| 73) Carbazole                  | 17.53 | 167  | 115      | 0.001     | ng    | # 58   |
| 74) Di-n-butylphthalate        | 18.08 | 149  | 14334    | 0.140     | ng    | # 99   |
| 75) Fluoranthene               | 19.18 | 202  | 543      | 0.005     | ng    | # 64   |
| 78) Pyrene                     | 19.54 | 202  | 444      | 0.005     | ng    | # 57   |
| 80) Butylbenzylphthalate       | 20.44 | 149  | 1543     | 0.036     | ng    | # 48   |
| 81) Benzo(a)anthracene         | 21.30 | 228  | 5274     | 0.056     | ng    | # 70   |
| 82) 3,3'-Dichlorobenzidine     | 21.24 | 252  | 1289     | 0.034     | ng    | # 26   |

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Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

Quant Time: Feb 14 00:54:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 16:02:12 2019  
Response via : Initial Calibration

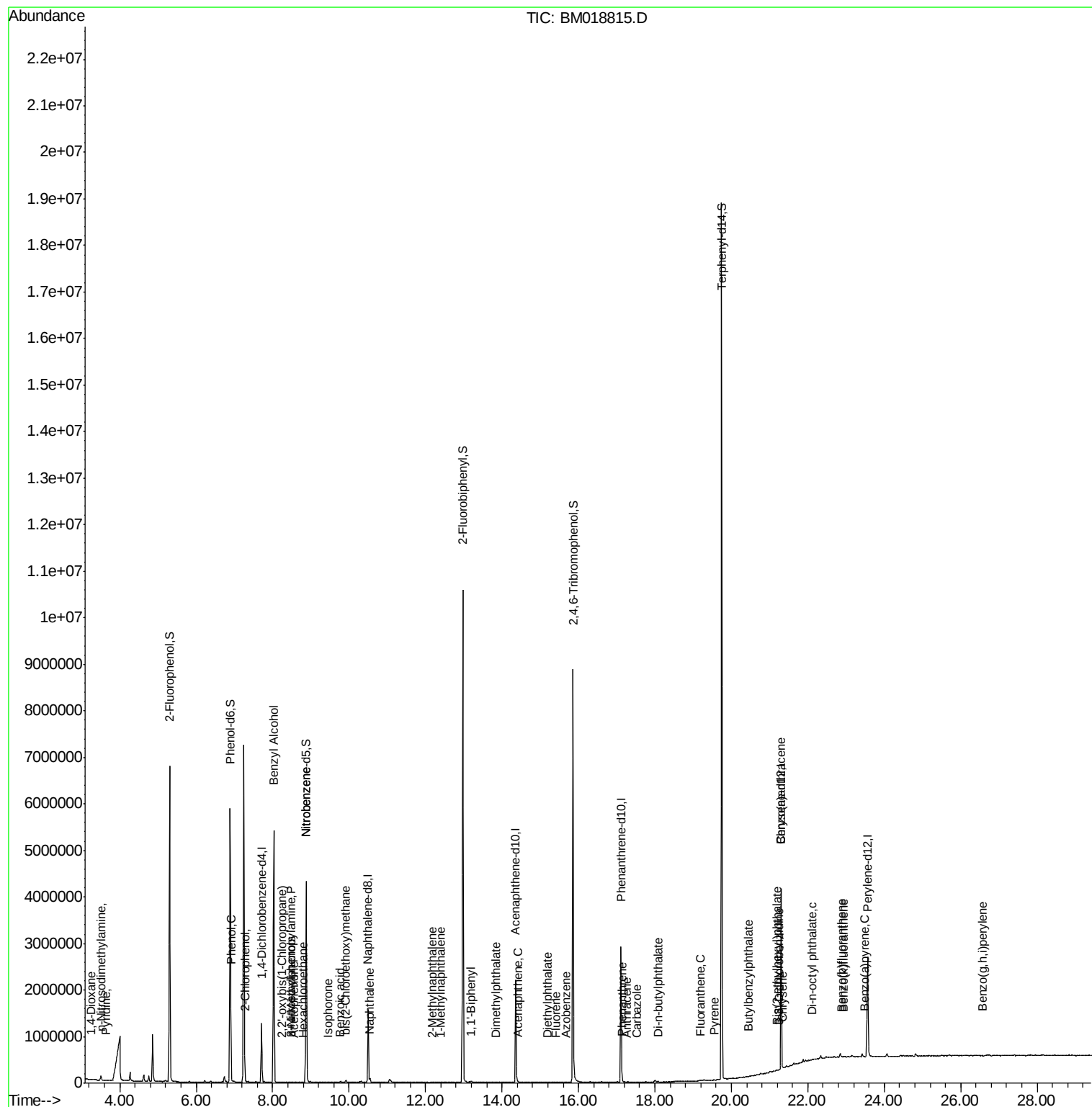
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 83) Chrysene                   | 21.34 | 228  | 949      | 0.010 | ng    | # 60     |
| 84) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 2187     | 0.035 | ng    | # 97     |
| 85) Di-n-octyl phthalate       | 22.11 | 149  | 299      | 0.003 | ng    | # 1      |
| 88) Benzo(b)fluoranthene       | 22.88 | 252  | 1164     | 0.014 | ng    | # 1      |
| 89) Benzo(k)fluoranthene       | 22.94 | 252  | 826      | 0.010 | ng    | # 1      |
| 90) Benzo(a)pyrene             | 23.47 | 252  | 218      | 0.003 | ng    | # 1      |
| 92) Benzo(g,h,i)perylene       | 26.57 | 276  | 116      | 0.002 | ng    | # 53     |

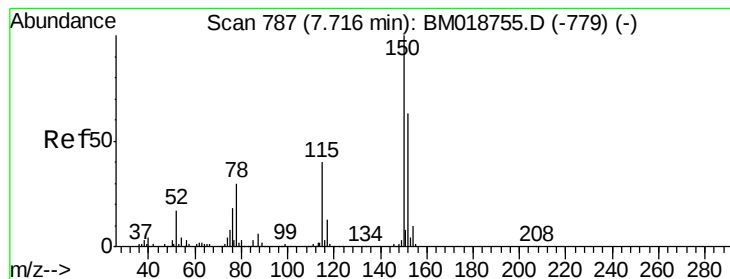
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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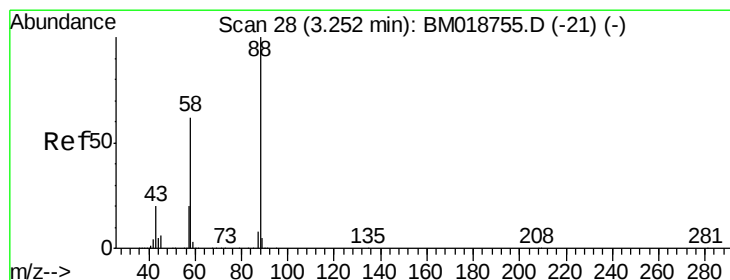
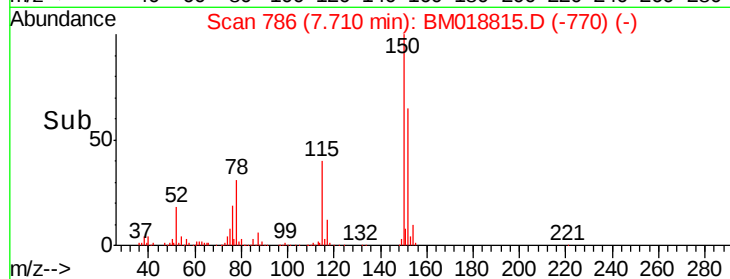
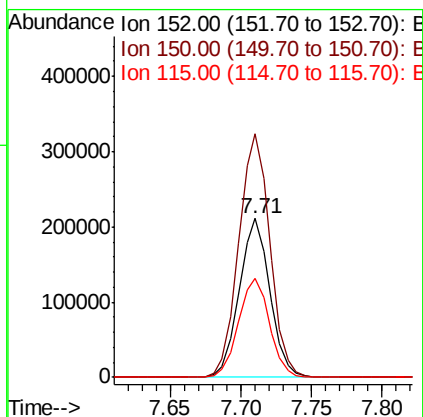
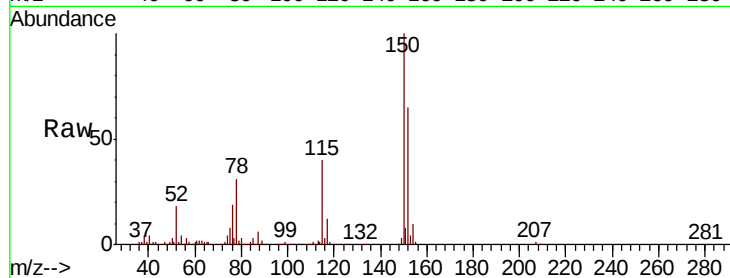


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.71 min Scan# 786  
 Delta R.T. -0.01 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

Instrument :  
 BNA\_M  
 ClientSampleId :  
 IDW-LIQUID-03

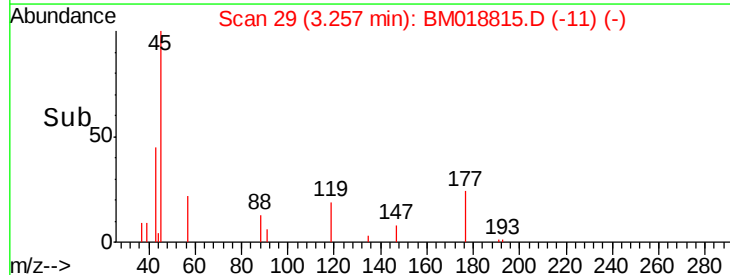
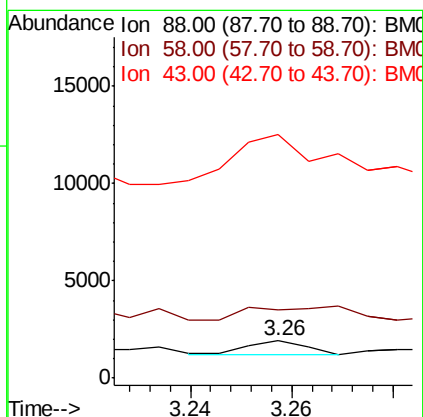
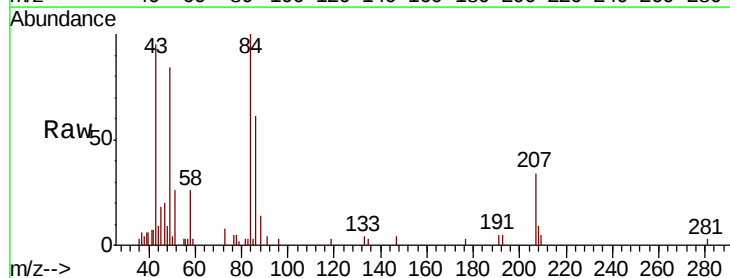
Tgt Ion:152 Resp: 320488  
 Ion Ratio Lower Upper  
 152 100  
 150 153.1 127.3 190.9  
 115 61.9 50.8 76.2

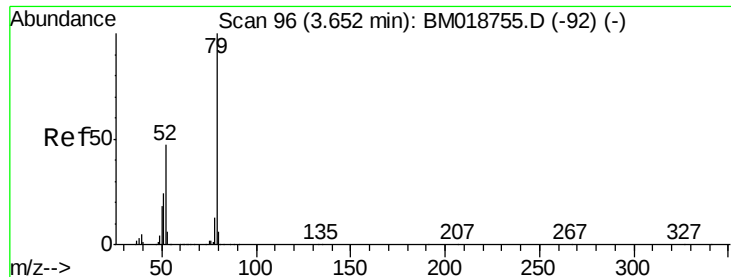


#2

1,4-Dioxane  
 Concen: 0.071 ng  
 RT: 3.26 min Scan# 29  
 Delta R.T. 0.01 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

Tgt Ion: 88 Resp: 608  
 Ion Ratio Lower Upper  
 88 100  
 58 206.6 49.8 74.6#  
 43 608.7 16.7 25.1#





#3

Pyridine

Concen: 0.022 ng

RT: 3.65 min Scan# 95

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

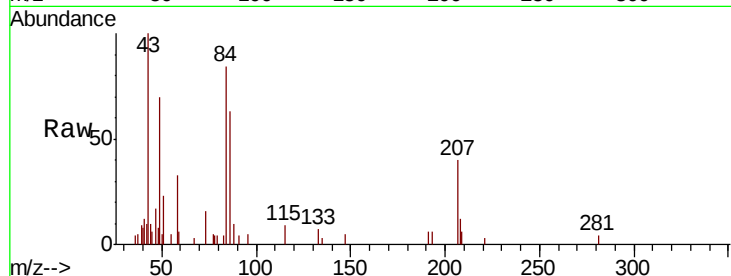
Tgt Ion: 79 Resp: 504

Ion Ratio Lower Upper

79 100

52 0.0 37.6 56.4#

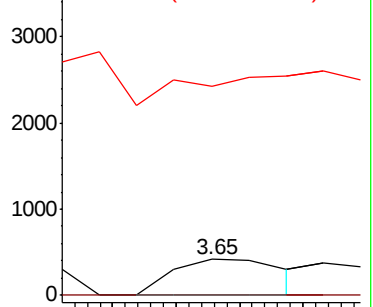
51 582.9 19.7 29.5#



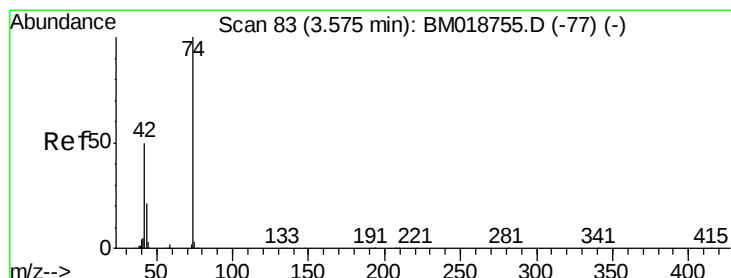
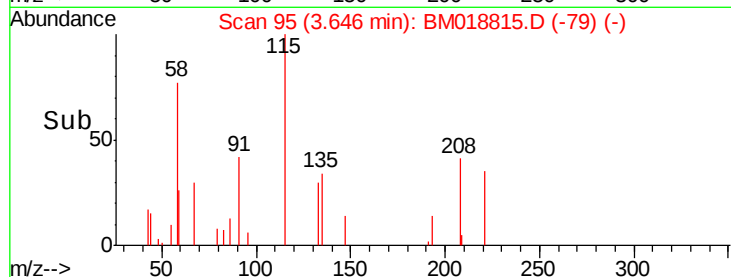
Abundance Ion 79.00 (78.70 to 79.70): BM018755.D (-92) (-)

Ion 52.00 (51.70 to 52.70): BM018755.D (-92) (-)

Ion 51.00 (50.70 to 51.70): BM018755.D (-92) (-)



Time-->



#4

n-Nitrosodimethylamine

Concen: 1.170 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.06 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

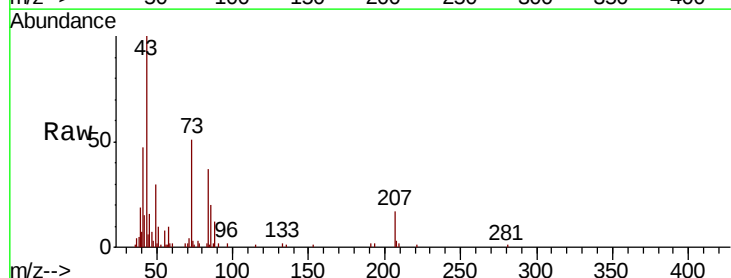
Tgt Ion: 42 Resp: 6914

Ion Ratio Lower Upper

42 100

74 18.1 158.1 237.1#

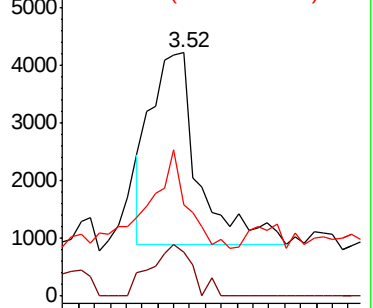
44 37.3 4.9 7.3#



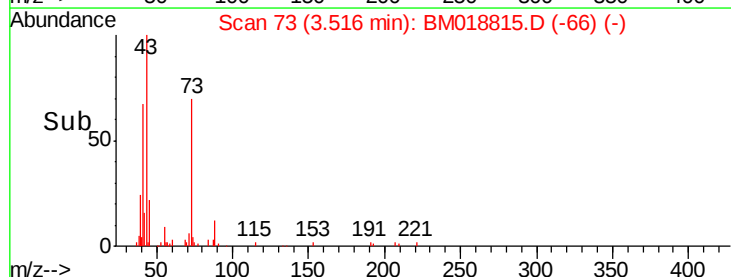
Abundance Ion 42.00 (41.70 to 42.70): BM018755.D (-77) (-)

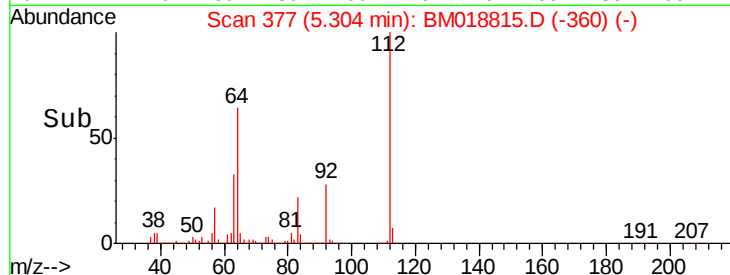
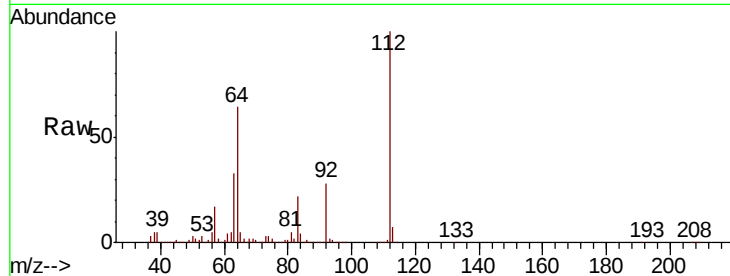
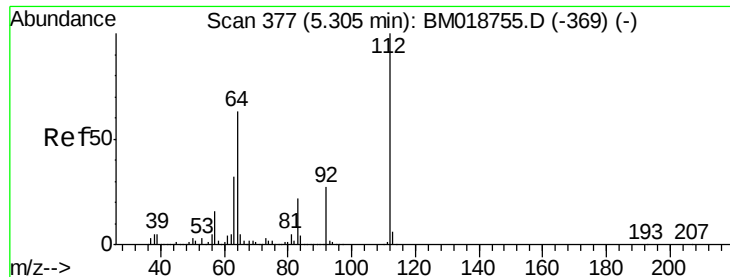
Ion 74.00 (73.70 to 74.70): BM018755.D (-77) (-)

Ion 44.00 (43.70 to 44.70): BM018755.D (-77) (-)



Time-->





#5

2-Fluorophenol

Concen: 135.687 ng

RT: 5.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

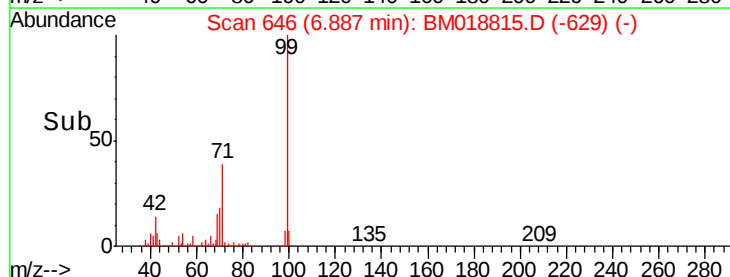
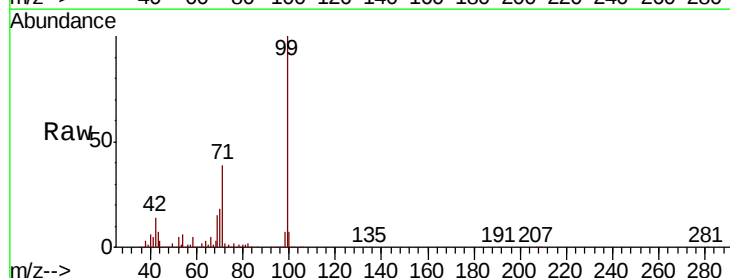
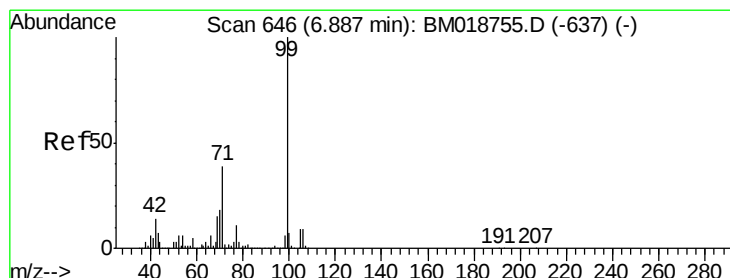
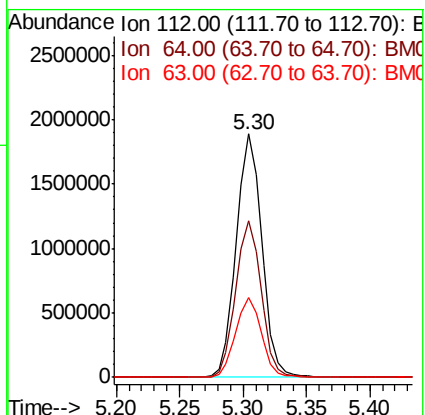
Tgt Ion:112 Resp: 2654057

Ion Ratio Lower Upper

112 100

64 64.1 50.6 75.8

63 33.0 25.7 38.5



#7

Phenol-d6

Concen: 121.184 ng

RT: 6.89 min Scan# 646

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

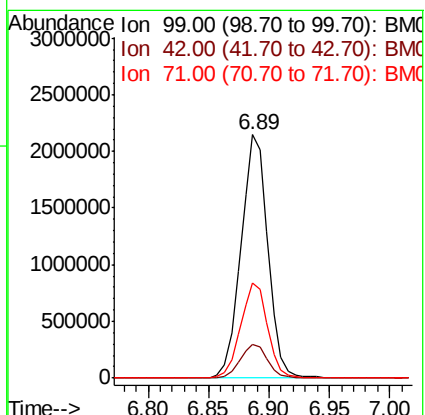
Tgt Ion: 99 Resp: 3339278

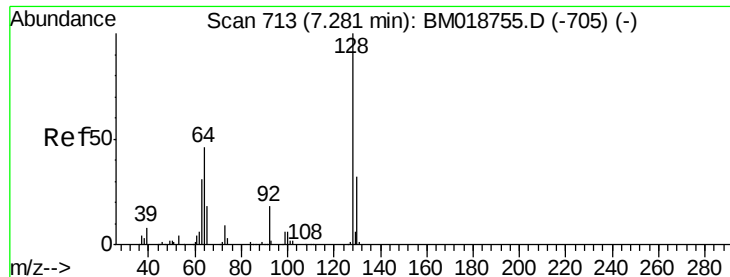
Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

71 39.2 31.3 46.9

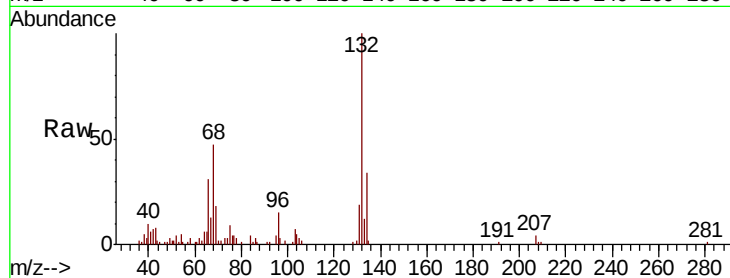




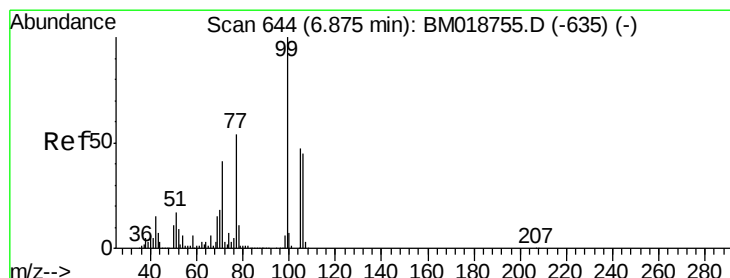
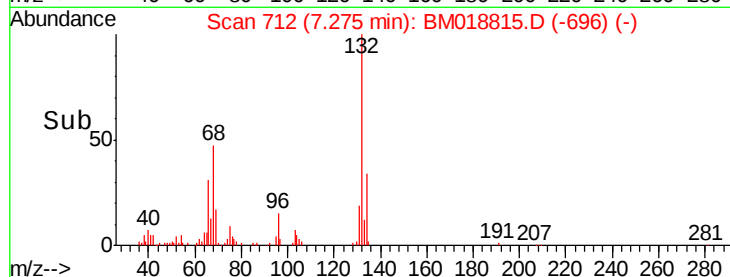
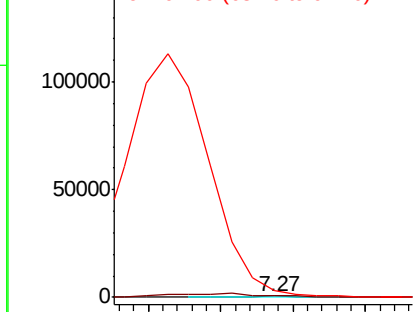
#8  
2-Chlorophenol  
Concen: 0.028 ng  
RT: 7.27 min Scan# 712  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

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Tgt Ion:128 Resp: 593  
Ion Ratio Lower Upper  
128 100  
130 137.0 11.7 51.7#  
64 528.1 31.0 71.0#

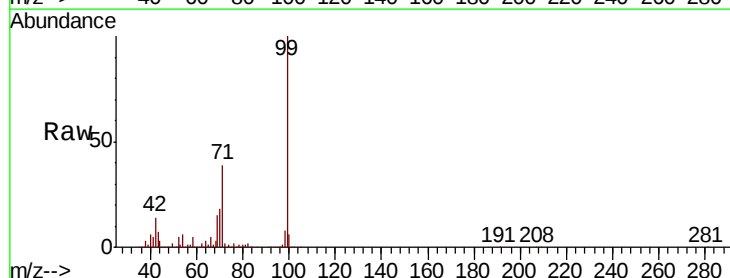


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BM

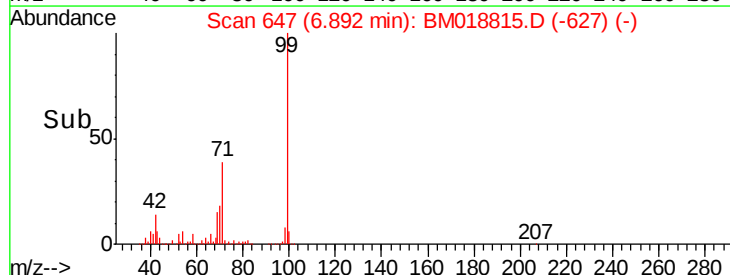
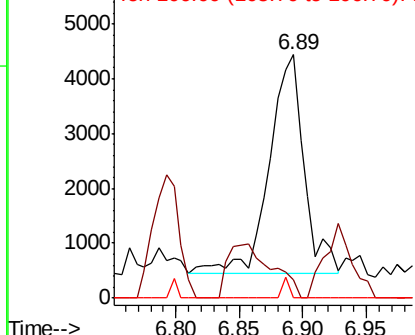


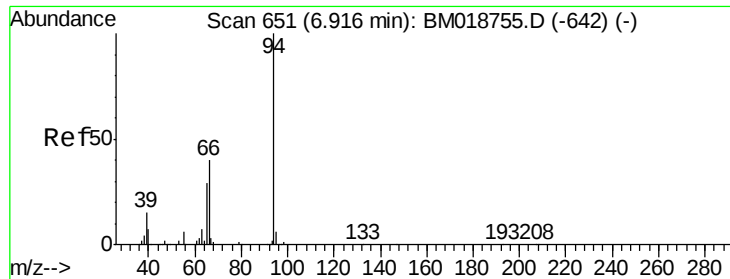
#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.89 min Scan# 647  
Delta R.T. 0.02 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion: 77 Resp: 7706  
Ion Ratio Lower Upper  
77 100  
105 7.5 67.3 107.3#  
106 0.0 62.9 102.9#



Abundance Ion 77.00 (76.70 to 77.70): BM  
Ion 105.00 (104.70 to 105.70): E  
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.171 ng

RT: 6.91 min Scan# 650

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

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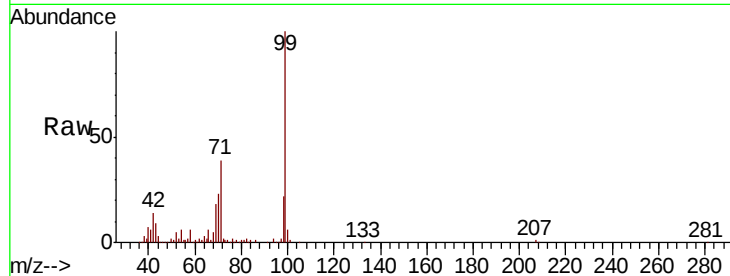
Tgt Ion: 94 Resp: 4954

Ion Ratio Lower Upper

94 100

65 112.6 9.6 49.6#

66 329.2 20.4 60.4#

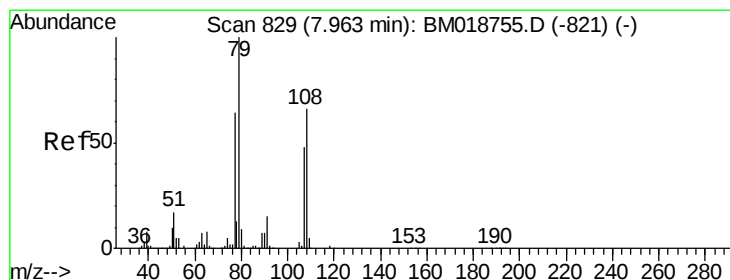
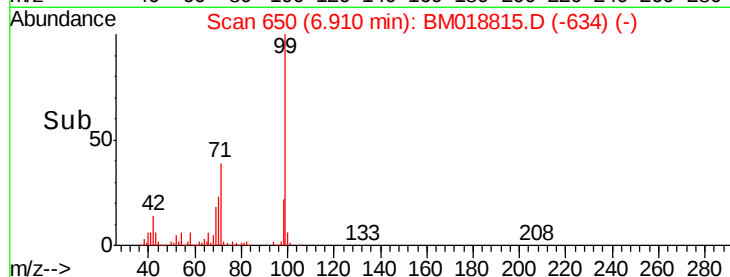
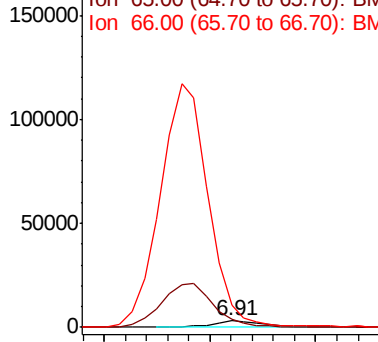


Abundance

Ion 94.00 (93.70 to 94.70): BM018815.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018815.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018815.D (-634) (-)



#15

Benzyl Alcohol

Concen: 1.720 ng

RT: 8.03 min Scan# 840

Delta R.T. 0.06 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

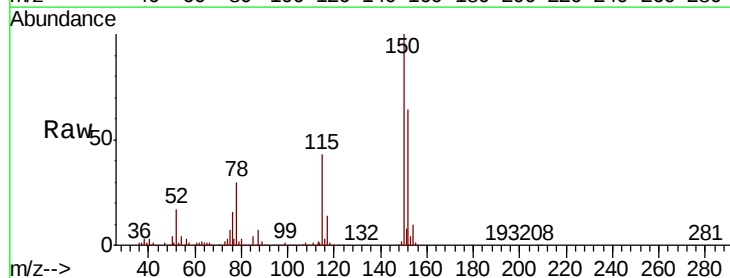
Tgt Ion: 79 Resp: 37665

Ion Ratio Lower Upper

79 100

108 32.5 52.7 79.1#

77 126.2 51.0 76.4#

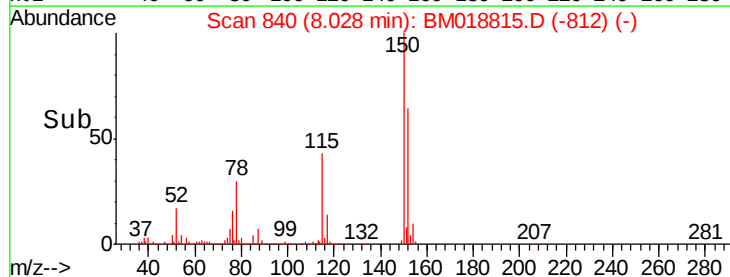
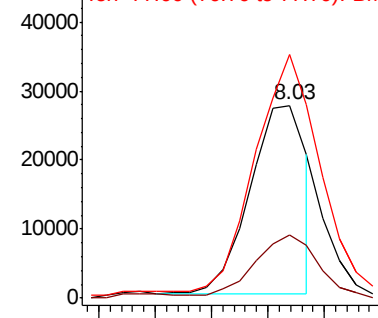


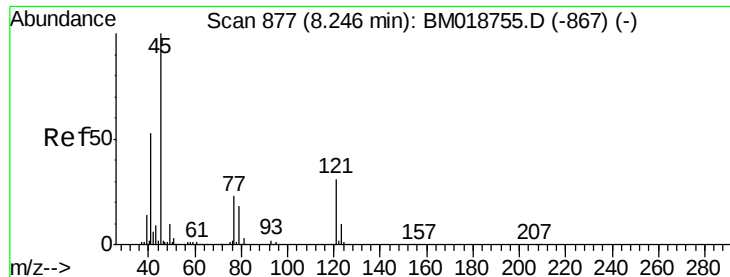
Abundance

Ion 79.00 (78.70 to 79.70): BM018815.D (-812) (-)

Ion 108.00 (107.70 to 108.70): BM018815.D (-812) (-)

Ion 77.00 (76.70 to 77.70): BM018815.D (-812) (-)

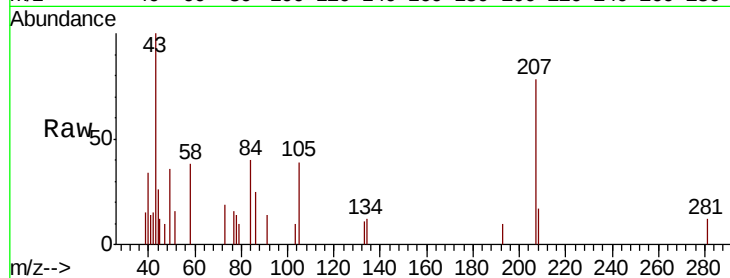




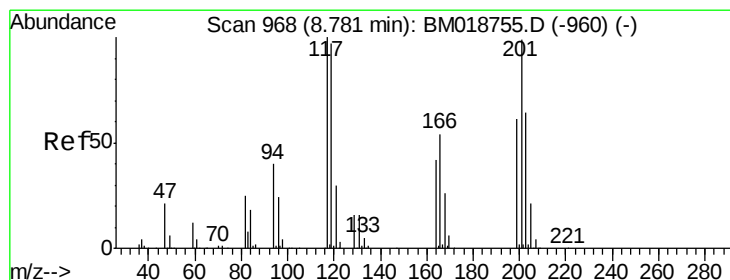
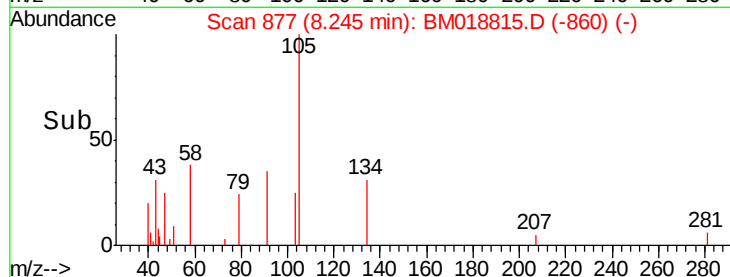
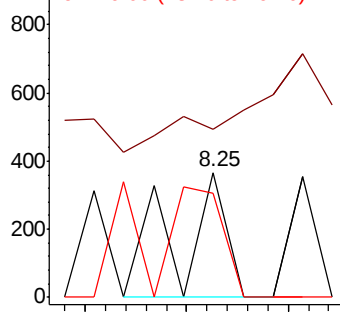
#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 0.011 ng  
RT: 8.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

Tgt Ion: 45 Resp: 246  
Ion Ratio Lower Upper  
45 100  
77 134.7 5.0 45.0#  
79 83.3 0.0 39.3#

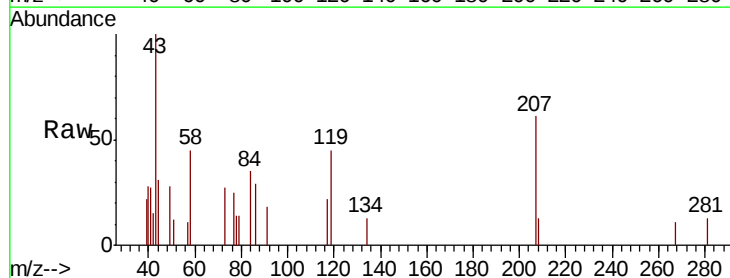


Abundance Ion 45.00 (44.70 to 45.70): BM018755.D (-867) (-)  
Ion 77.00 (76.70 to 77.70): BM018755.D (-867) (-)  
Ion 79.00 (78.70 to 79.70): BM018755.D (-867) (-)

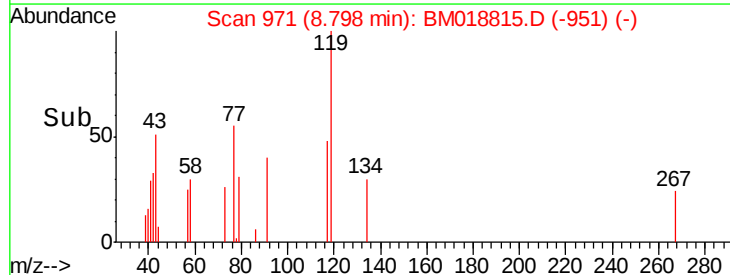
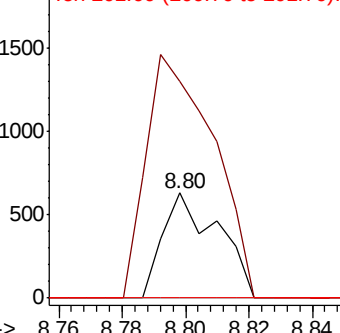


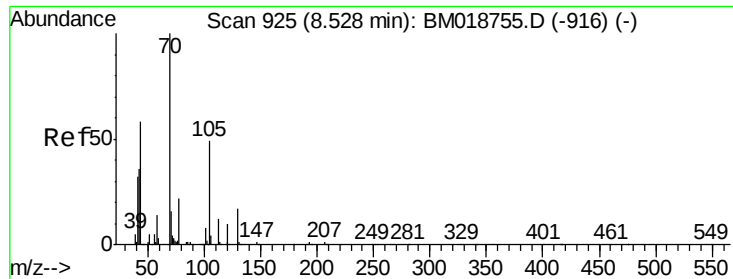
#18  
Hexachloroethane  
Concen: 0.084 ng  
RT: 8.80 min Scan# 971  
Delta R.T. 0.02 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion: 117 Resp: 758  
Ion Ratio Lower Upper  
117 100  
119 206.2 77.9 116.9#  
201 0.0 79.2 118.8#



Abundance Ion 117.00 (116.70 to 117.70): BM018755.D (-960) (-)  
Ion 119.00 (118.70 to 119.70): BM018755.D (-960) (-)  
Ion 201.00 (200.70 to 201.70): BM018755.D (-960) (-)

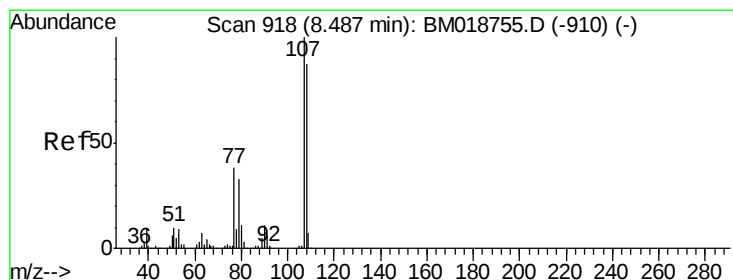
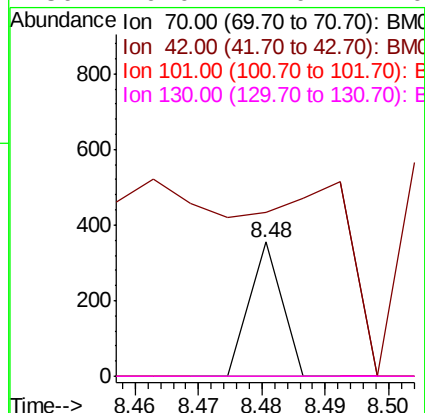
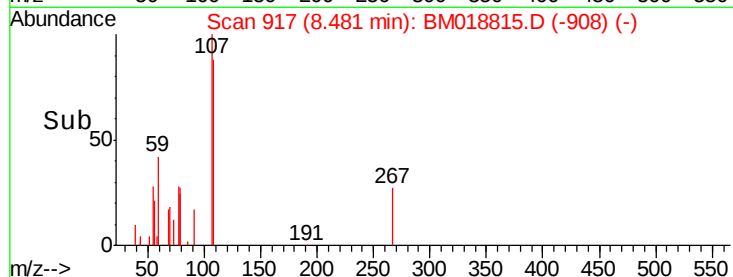
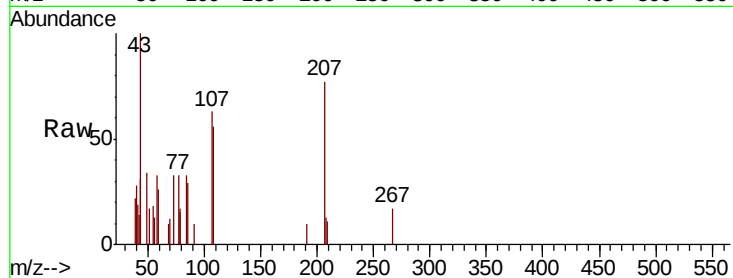




#19  
n-Nitroso-di-n-propylamine  
Concen: 0.006 ng  
RT: 8.48 min Scan# 917  
Delta R.T. -0.05 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

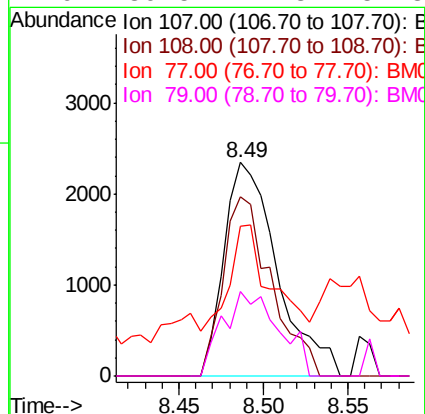
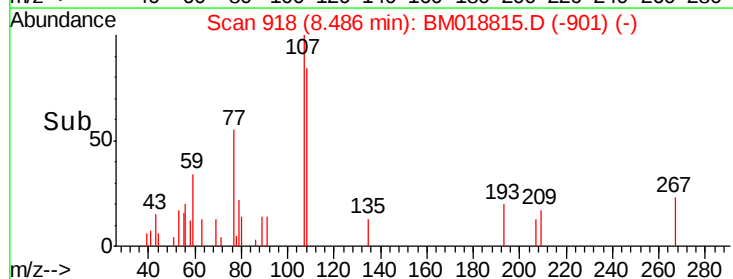
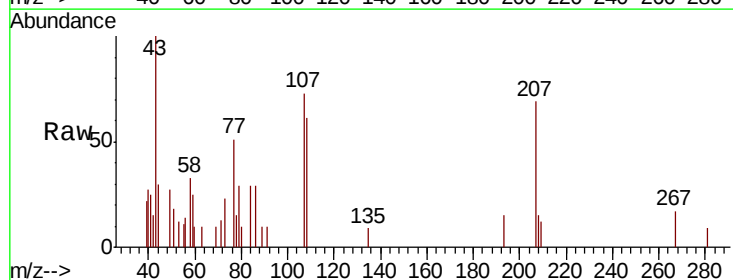
Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

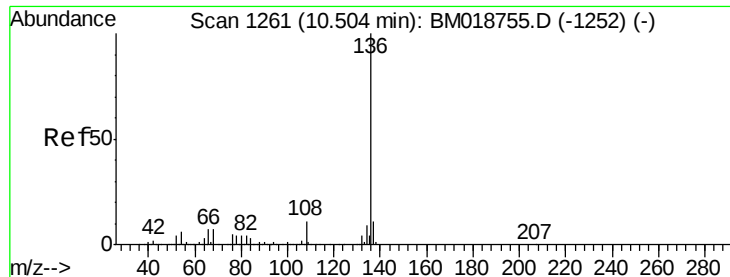
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 125   |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 122.0 | 29.4  | 44.0# |
| 101      | 0.0   | 6.7   | 10.1# |
| 130      | 0.0   | 14.0  | 21.0# |



#20  
3+4-Methylphenols  
Concen: 0.203 ng  
RT: 8.49 min Scan# 918  
Delta R.T. -0.00 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 5173  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 83.6  | 67.3  | 107.3 |
| 77       | 70.1  | 18.0  | 58.0# |
| 79       | 39.5  | 12.8  | 52.8  |

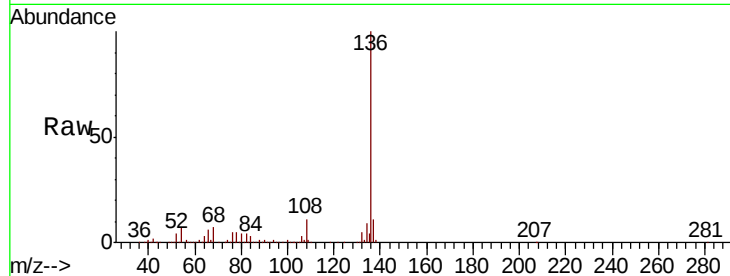




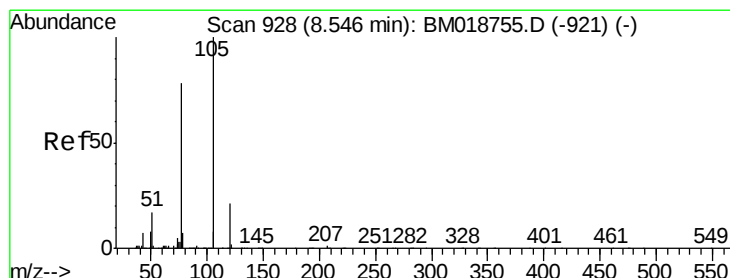
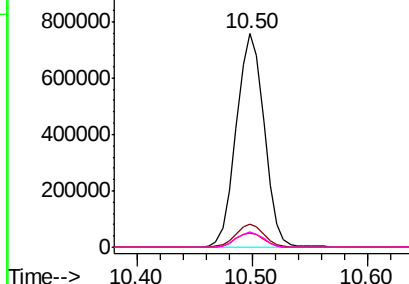
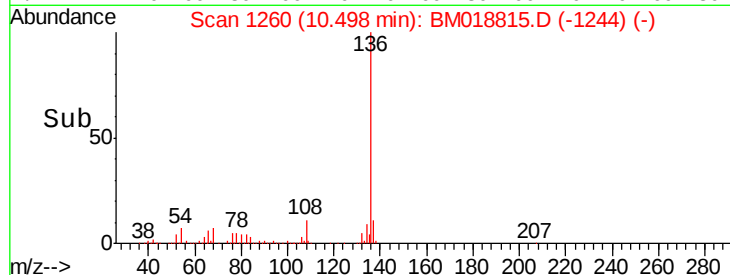
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.50 min Scan# 1260  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

Tgt Ion:136 Resp: 1273636  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 6.8 5.0 7.6  
68 7.1 5.5 8.3

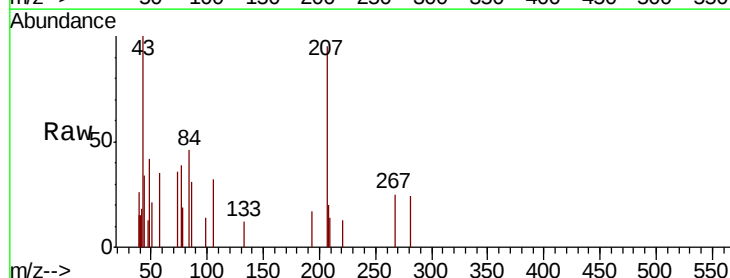


Abundance Ion 136.00 (135.70 to 136.70): E  
1200000  
Ion 137.00 (136.70 to 137.70): E  
1000000  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

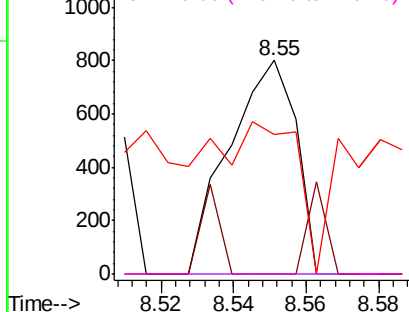
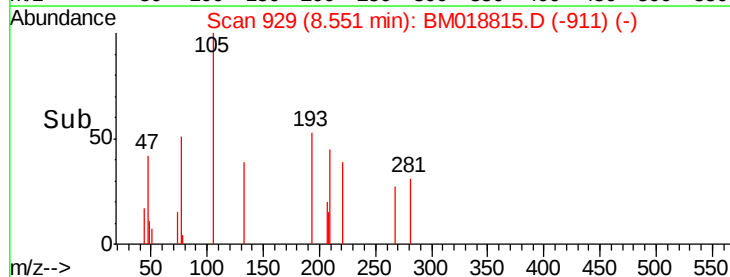


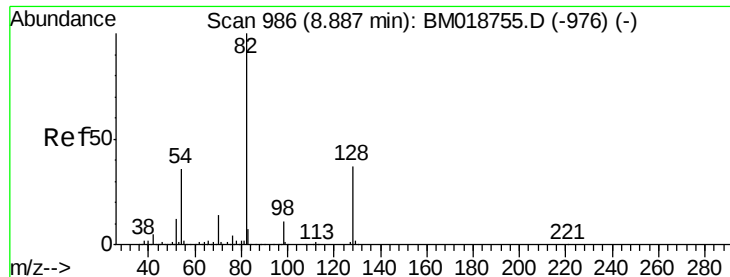
#22  
Acetophenone  
Concen: 0.029 ng  
RT: 8.55 min Scan# 929  
Delta R.T. 0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion:105 Resp: 1027  
Ion Ratio Lower Upper  
105 100  
71 0.0 1.1 1.7#  
51 65.4 15.5 23.3#  
120 0.0 17.0 25.4#



Abundance Ion 105.00 (104.70 to 105.70): E  
1200  
Ion 71.00 (70.70 to 71.70): BM  
Ion 51.00 (50.70 to 51.70): BM  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 96.840 ng

RT: 8.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

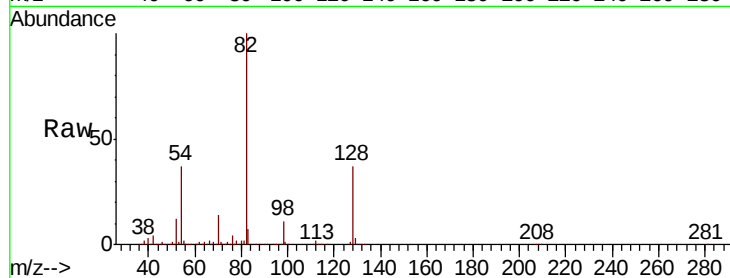
Tgt Ion: 82 Resp: 2667433

Ion Ratio Lower Upper

82 100

128 37.3 29.9 44.9

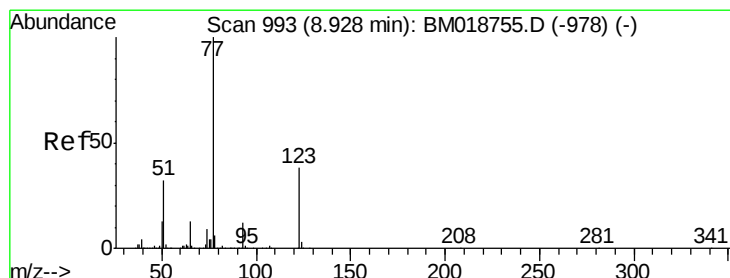
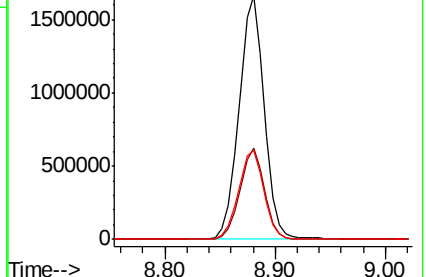
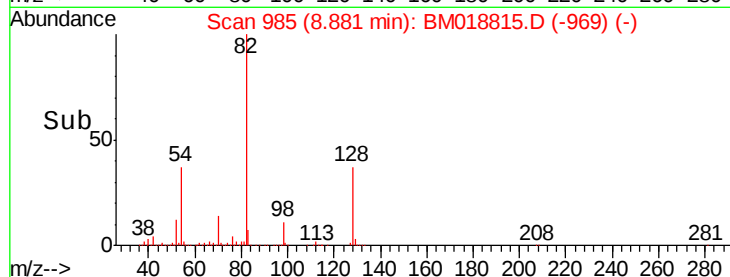
54 36.5 29.1 43.7



Abundance Ion 82.00 (81.70 to 82.70): BM018815.D (-969) (-)

Ion 128.00 (127.70 to 128.70): BM018815.D (-969) (-)

Ion 54.00 (53.70 to 54.70): BM018815.D (-969) (-)



#24

Nitrobenzene

Concen: 0.334 ng

RT: 8.88 min Scan# 985

Delta R.T. -0.05 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

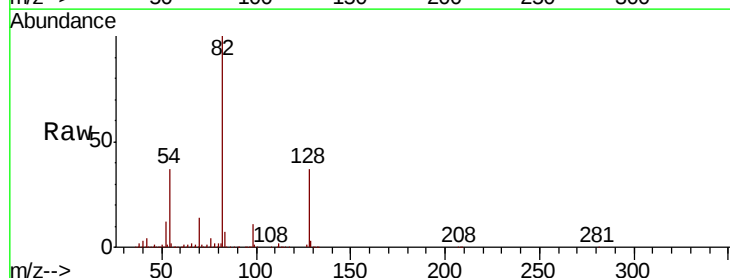
Tgt Ion: 77 Resp: 9560

Ion Ratio Lower Upper

77 100

123 0.0 30.7 46.1#

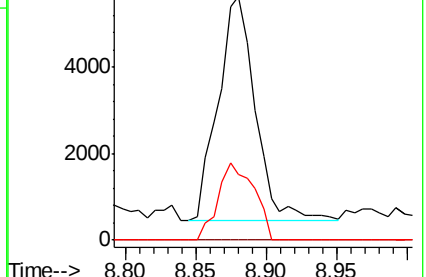
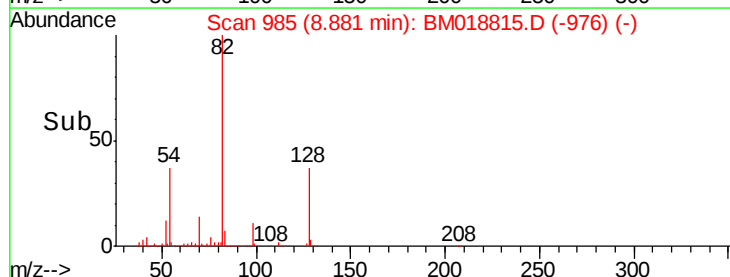
65 26.8 10.5 15.7#

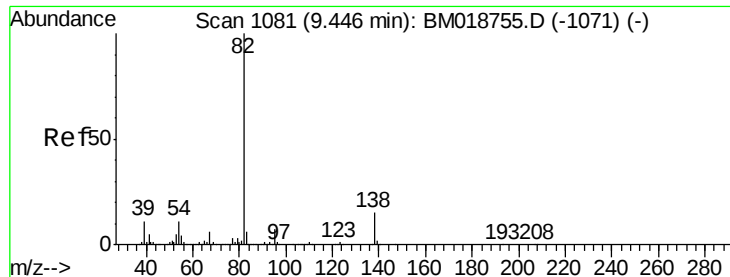


Abundance Ion 77.00 (76.70 to 77.70): BM018815.D (-976) (-)

Ion 123.00 (122.70 to 123.70): BM018815.D (-976) (-)

Ion 65.00 (64.70 to 65.70): BM018815.D (-976) (-)





#25

Isophorone

Concen: 0.110 ng

RT: 9.45 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

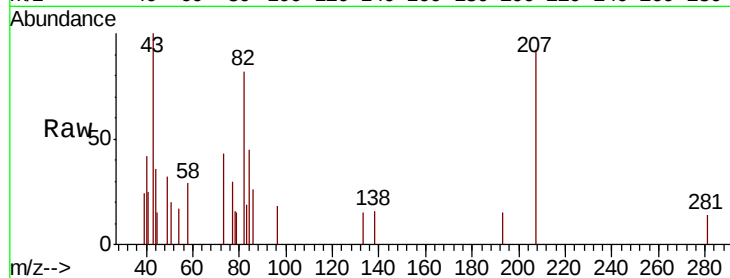
Tgt Ion: 82 Resp: 4850

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 19.4 12.3 18.5#

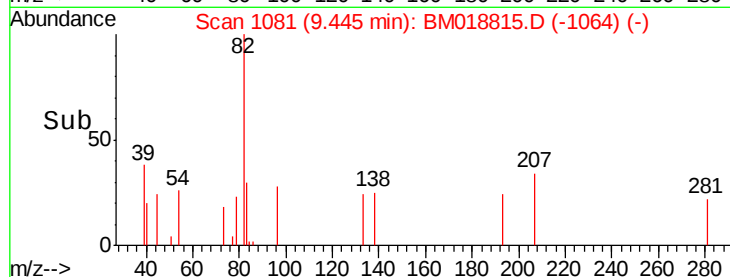


Abundance Ion 82.00 (81.70 to 82.70): BM018815.D (-1064) (-)

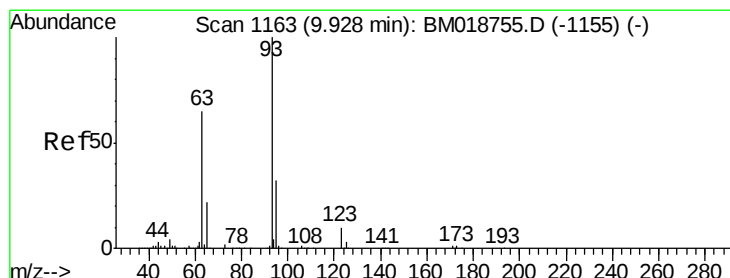
Ion 95.00 (94.70 to 95.70): BM018815.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM018815.D (-1064) (-)

Time-->



Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 0.061 ng

RT: 9.91 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

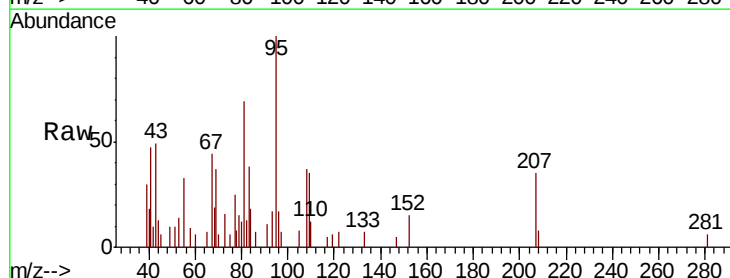
Tgt Ion: 93 Resp: 1726

Ion Ratio Lower Upper

93 100

95 602.2 25.6 38.4#

123 0.0 8.2 12.4#

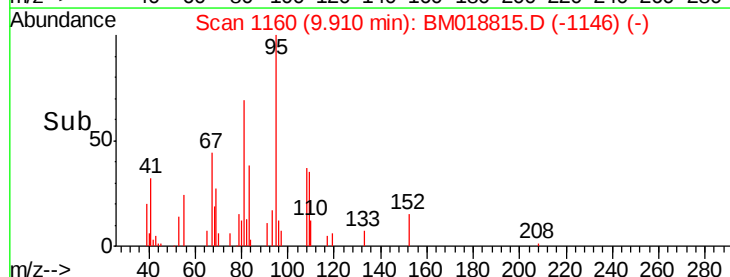


Abundance Ion 93.00 (92.70 to 93.70): BM018815.D (-1146) (-)

Ion 95.00 (94.70 to 95.70): BM018815.D (-1146) (-)

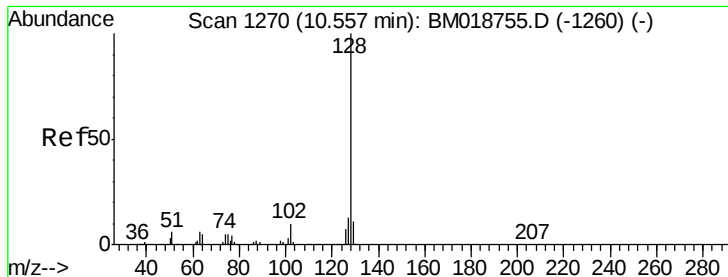
Ion 123.00 (122.70 to 123.70): BM018815.D (-1146) (-)

Time-->



Time-->

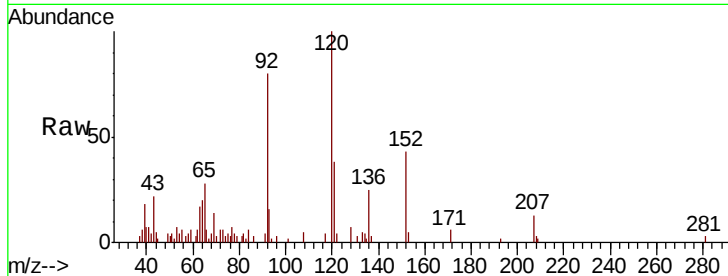
Time-->



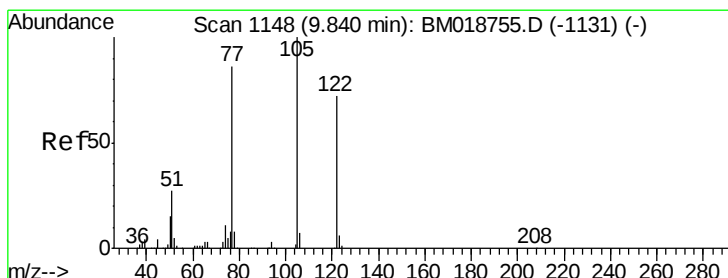
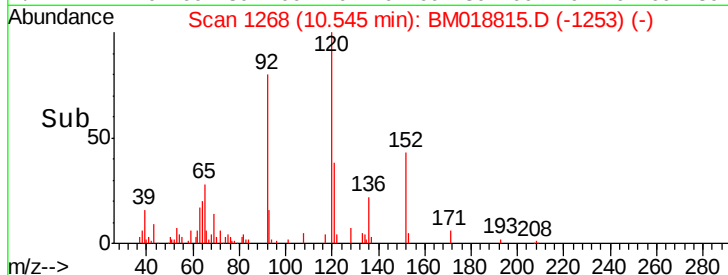
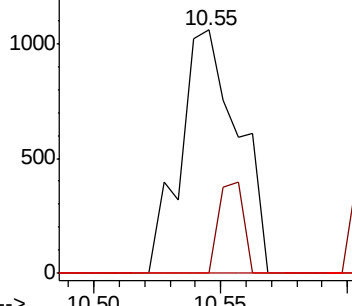
#31  
Naphthalene  
Concen: 0.027 ng  
RT: 10.55 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

Tgt Ion:128 Resp: 1676  
Ion Ratio Lower Upper  
128 100  
129 0.0 9.0 13.4#  
127 0.0 10.7 16.1#

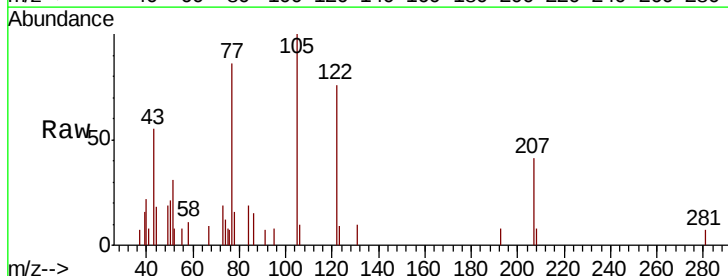


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

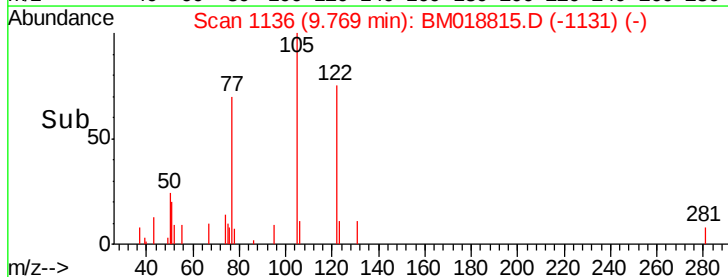
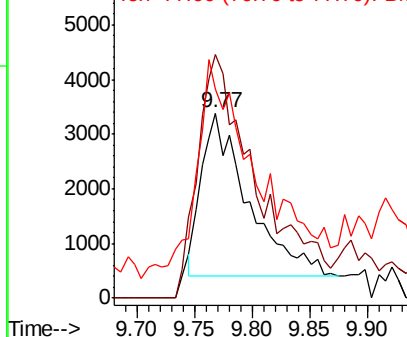


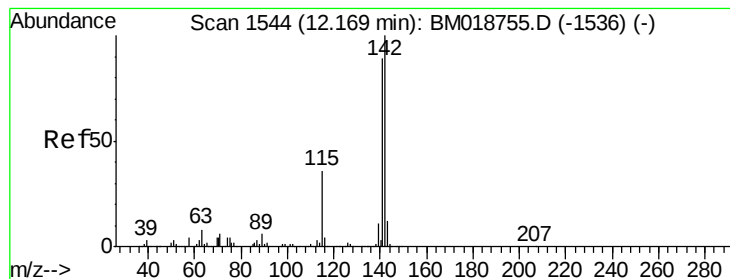
#32  
Benzoic acid  
Concen: 0.578 ng  
RT: 9.77 min Scan# 1136  
Delta R.T. -0.07 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion:122 Resp: 8386  
Ion Ratio Lower Upper  
122 100  
105 131.8 117.5 157.5  
77 113.4 98.5 138.5



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BM





#37

2-Methylnaphthalene

Concen: 0.019 ng

RT: 12.16 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

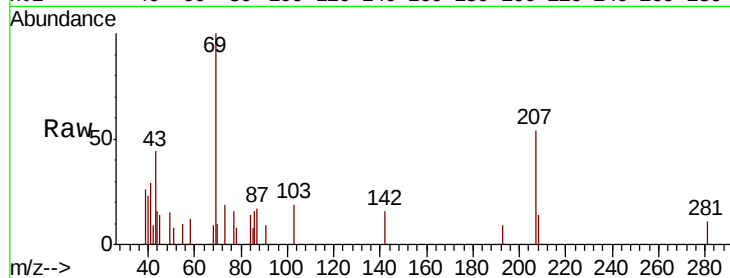
Tgt Ion:142 Resp: 831

Ion Ratio Lower Upper

142 100

141 0.0 71.2 106.8#

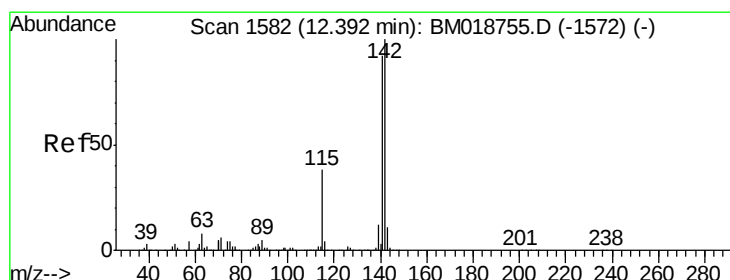
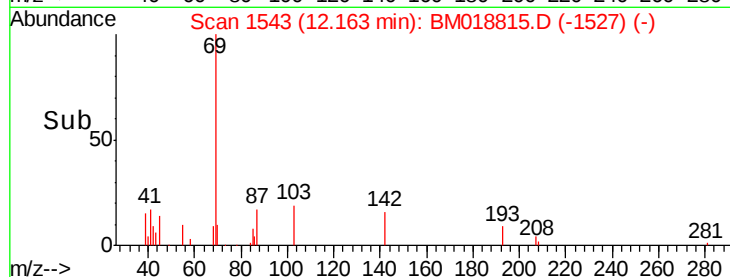
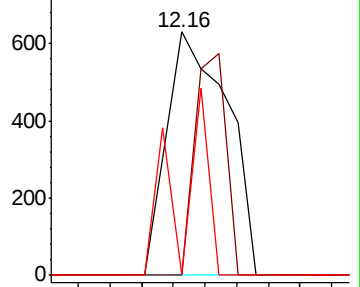
115 0.0 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 0.010 ng

RT: 12.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

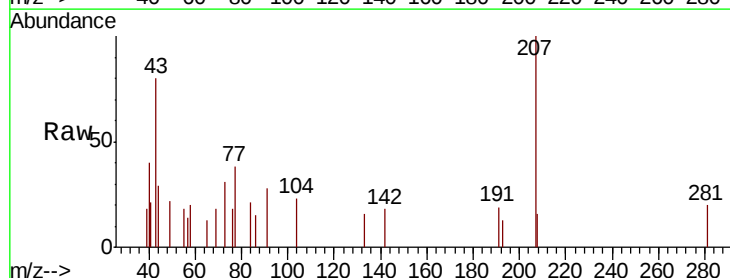
Tgt Ion:142 Resp: 418

Ion Ratio Lower Upper

142 100

141 0.0 73.9 110.9#

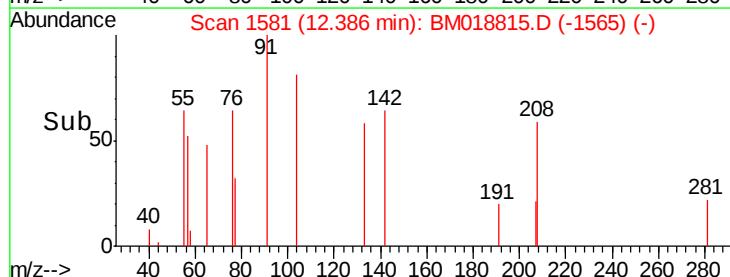
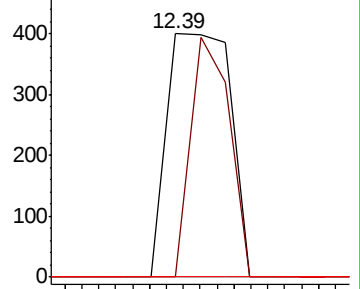
116 0.0 3.0 4.4#

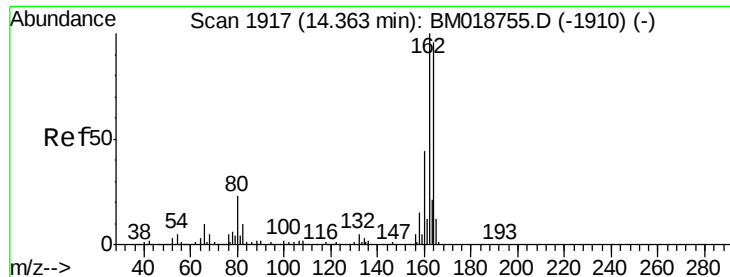


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

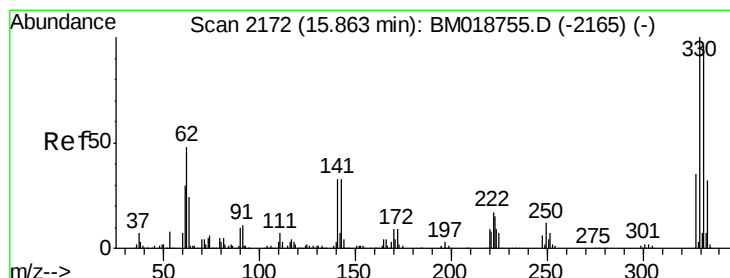
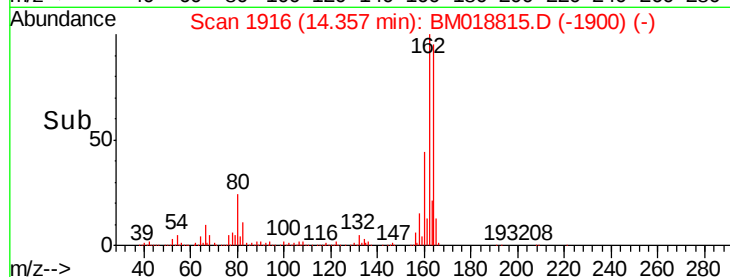
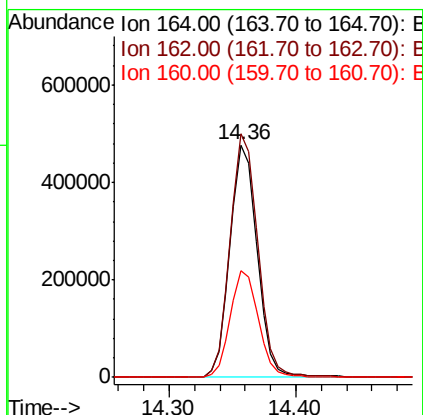
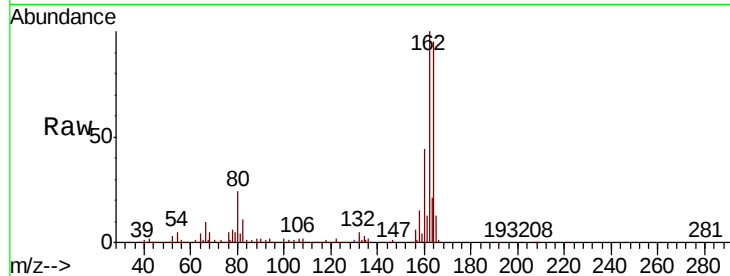




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.36 min Scan# 1916  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

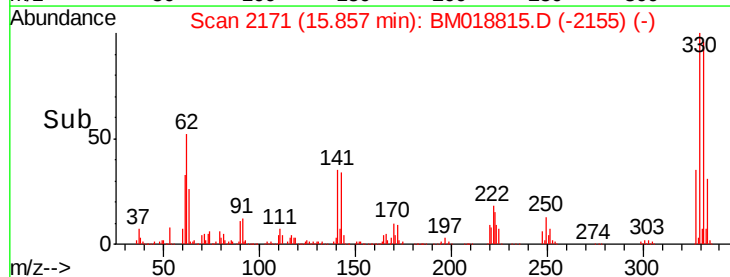
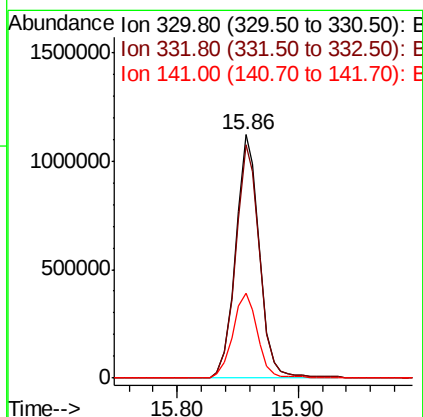
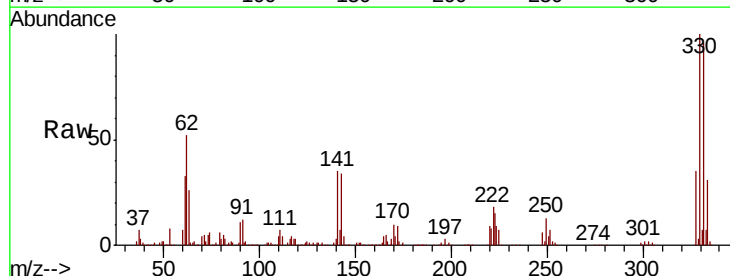
Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

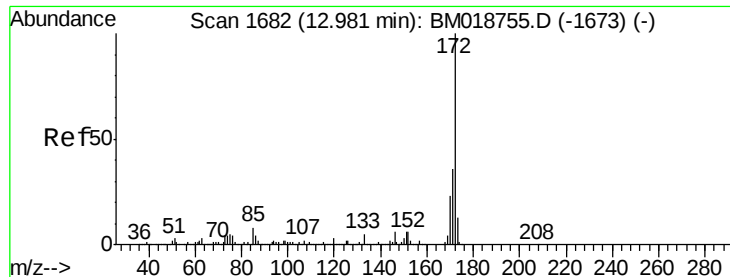
Tgt Ion:164 Resp: 709766  
Ion Ratio Lower Upper  
164 100  
162 104.8 83.4 125.0  
160 45.7 36.6 55.0



#42  
2,4,6-Tribromophenol  
Concen: 150.773 ng  
RT: 15.86 min Scan# 2171  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion:330 Resp: 1542571  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.9 115.3  
141 36.2 28.7 43.1

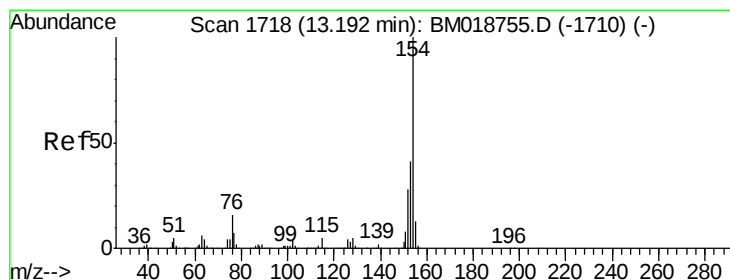
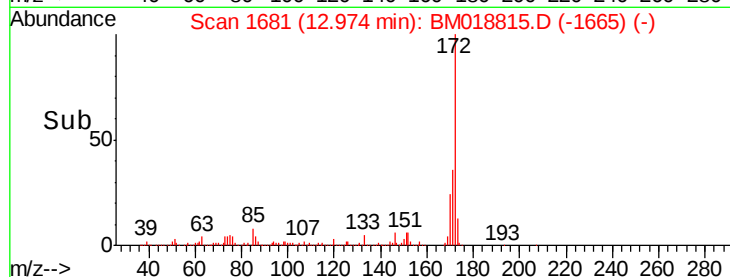
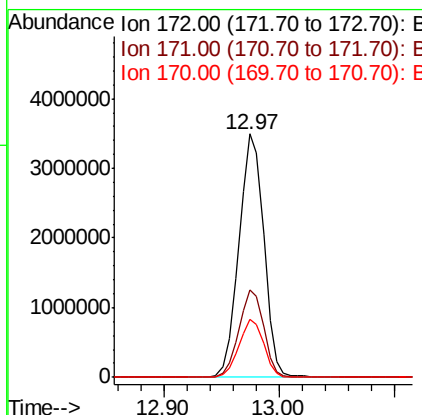
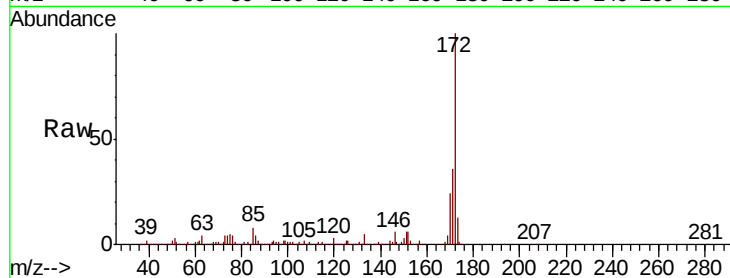




#45  
 2-Fluorobiphenyl  
 Concen: 97.695 ng  
 RT: 12.97 min Scan# 1681  
 Delta R.T. -0.01 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

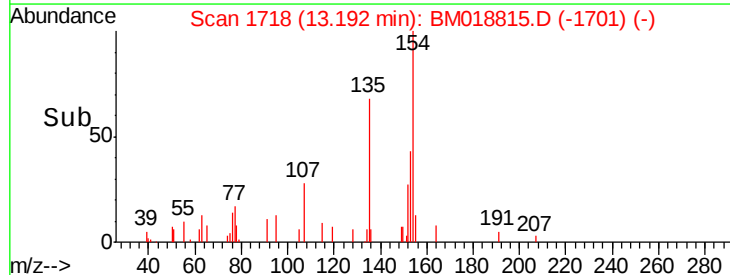
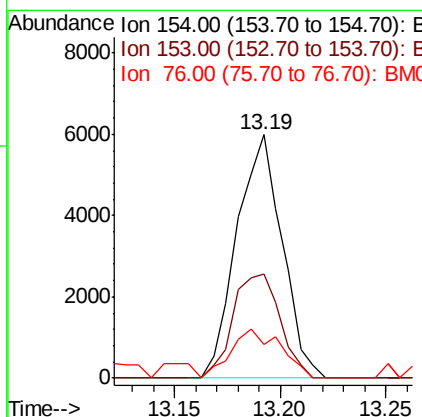
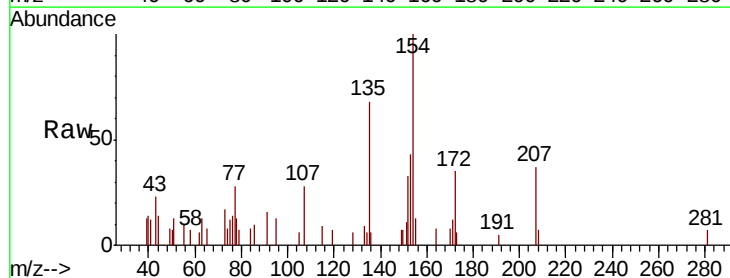
Instrument :  
 BNA\_M  
 ClientSampleId :  
 IDW-LIQUID-03

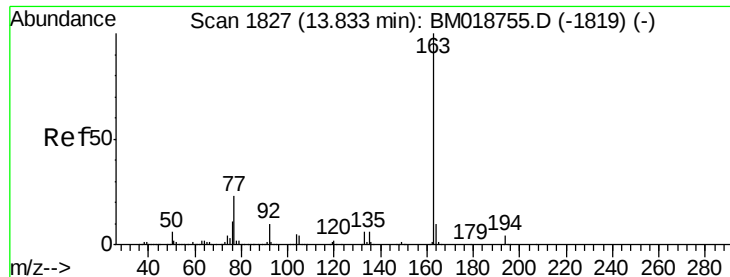
Tgt Ion:172 Resp: 5223517  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.0 43.6  
 170 24.0 18.6 28.0



#46  
 1,1'-Biphenyl  
 Concen: 0.146 ng  
 RT: 13.19 min Scan# 1718  
 Delta R.T. -0.00 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

Tgt Ion:154 Resp: 8921  
 Ion Ratio Lower Upper  
 154 100  
 153 42.7 21.1 61.1  
 76 13.9 0.0 35.7





#50

Dimethylphthalate

Concen: 0.031 ng

RT: 13.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

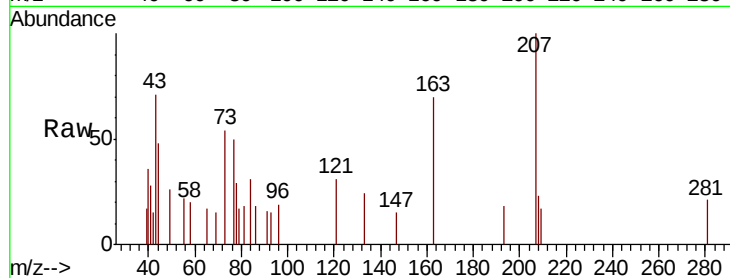
Tgt Ion:163 Resp: 1838

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 0.0 7.8 11.8#

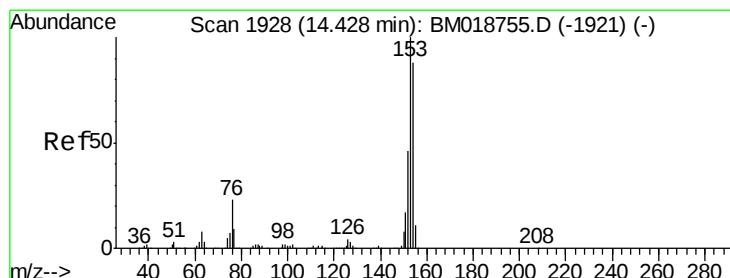
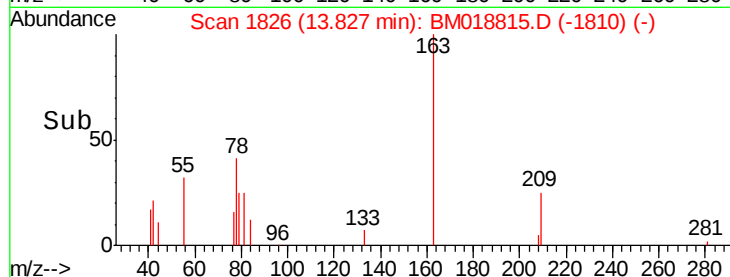
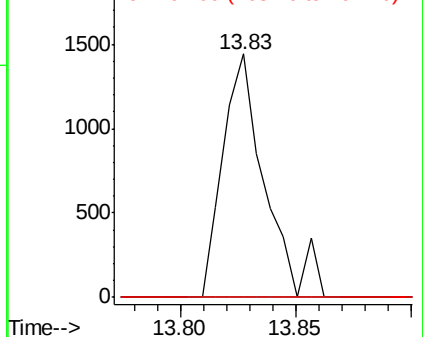


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 0.013 ng

RT: 14.43 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

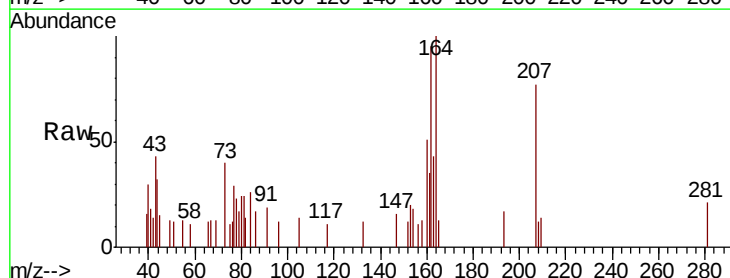
Tgt Ion:154 Resp: 578

Ion Ratio Lower Upper

154 100

153 108.2 91.3 136.9

152 64.4 42.2 63.4#

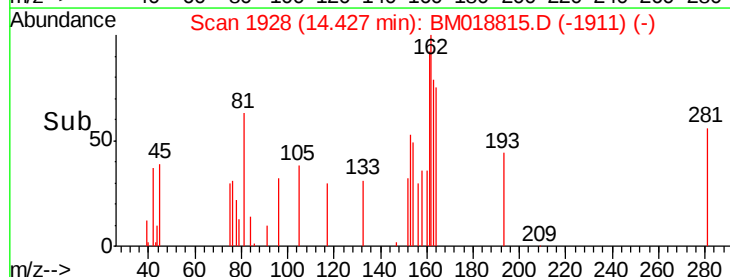
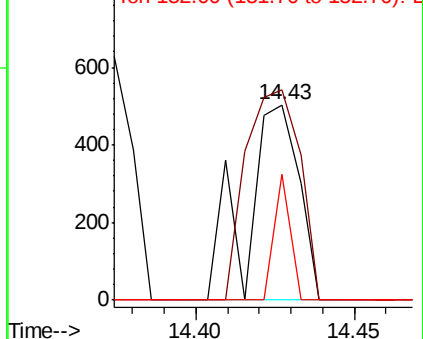


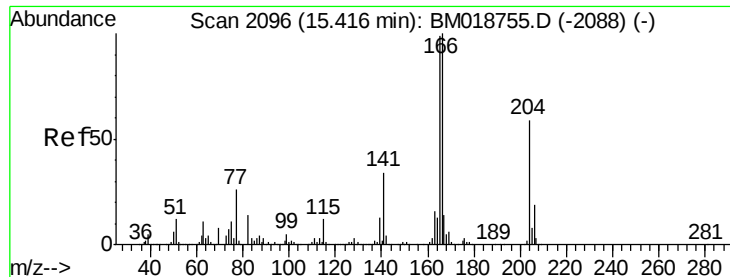
Abundance

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

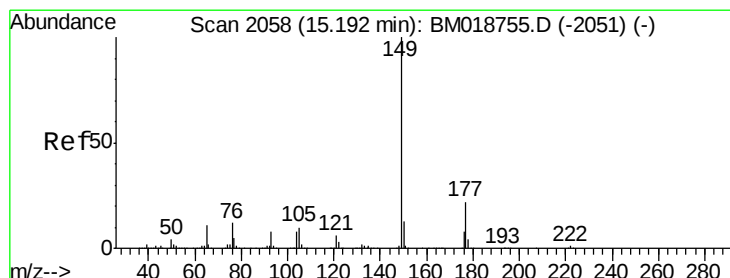
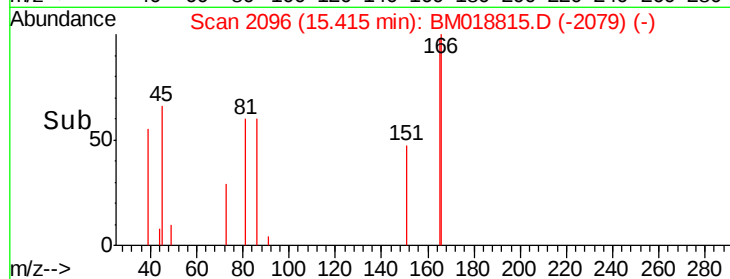
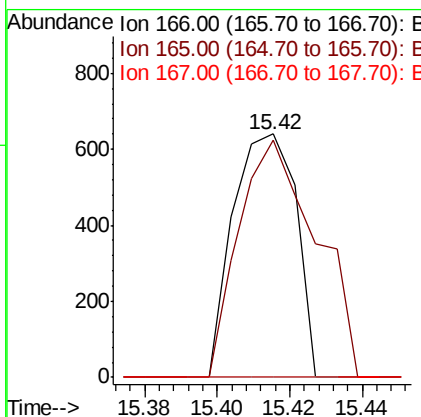
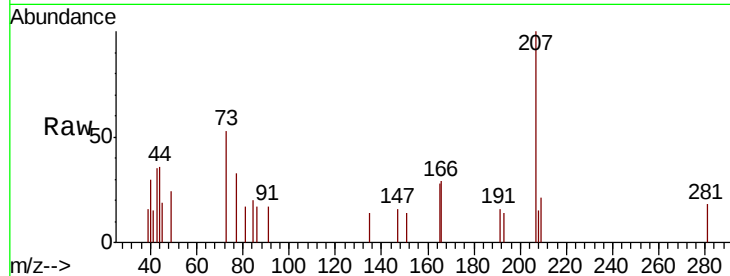




#58  
 Fluorene  
 Concen: 0.014 ng  
 RT: 15.42 min Scan# 2096  
 Delta R.T. -0.00 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

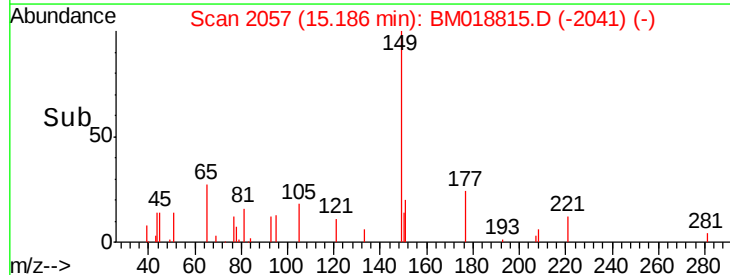
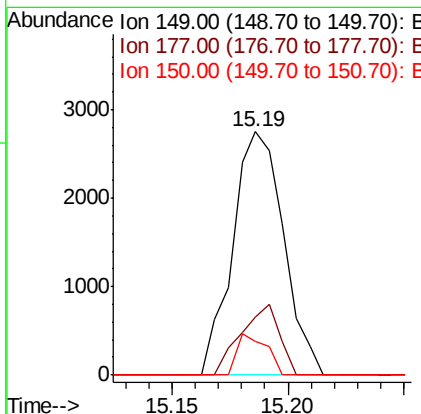
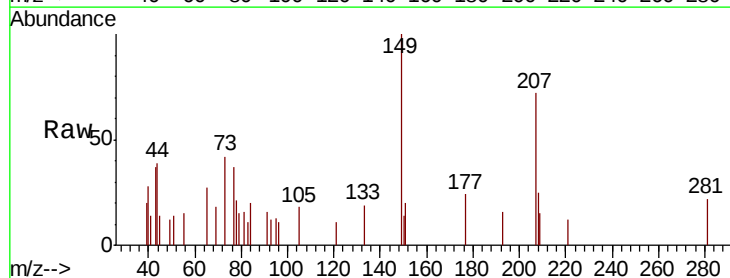
Instrument :  
 BNA\_M  
 ClientSampleId :  
 IDW-LIQUID-03

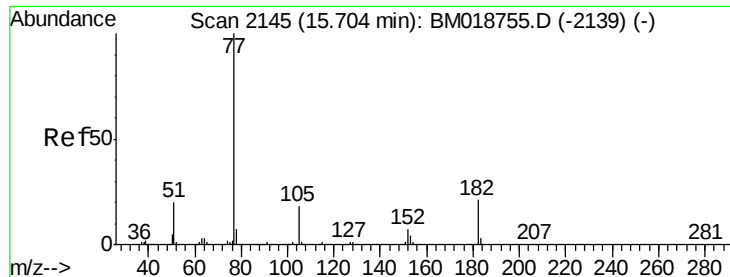
Tgt Ion:166 Resp: 771  
 Ion Ratio Lower Upper  
 166 100  
 165 97.5 79.1 118.7  
 167 0.0 11.0 16.4#



#60  
 Diethylphthalate  
 Concen: 0.069 ng  
 RT: 15.19 min Scan# 2057  
 Delta R.T. -0.01 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

Tgt Ion:149 Resp: 4230  
 Ion Ratio Lower Upper  
 149 100  
 177 23.8 17.2 25.8  
 150 14.0 10.2 15.2

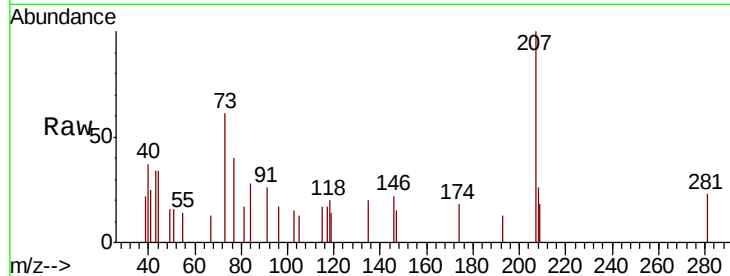




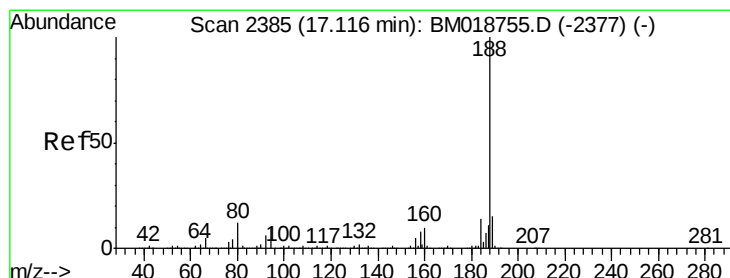
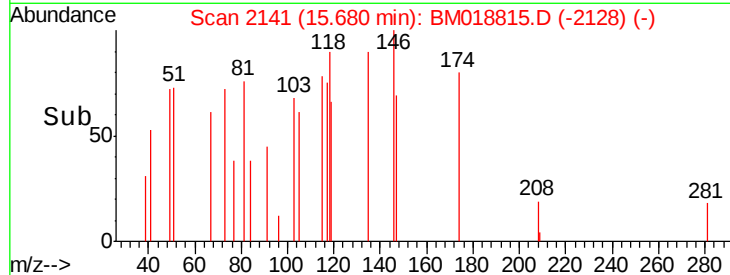
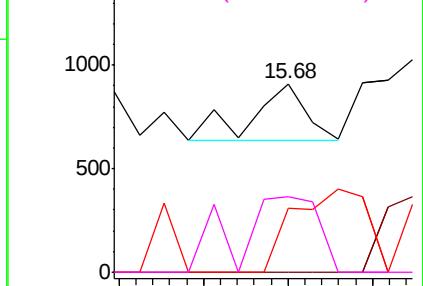
#63  
Azobenzene  
Concen: 0.004 ng  
RT: 15.68 min Scan# 2141  
Delta R.T. -0.02 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

Tgt Ion: 77 Resp: 252  
Ion Ratio Lower Upper  
77 100  
182 0.0 1.0 41.0#  
105 33.8 0.0 37.7  
51 40.2 0.3 40.3

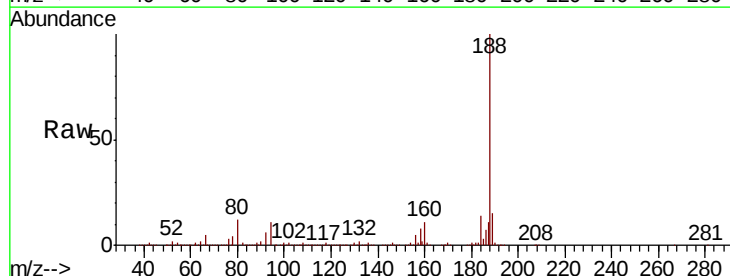


Abundance Ion 77.00 (76.70 to 77.70): BM018815.D (-2128) (-)  
Ion 182.00 (181.70 to 182.70): BM018815.D (-2128) (-)  
Ion 105.00 (104.70 to 105.70): BM018815.D (-2128) (-)  
Ion 51.00 (50.70 to 51.70): BM018815.D (-2128) (-)

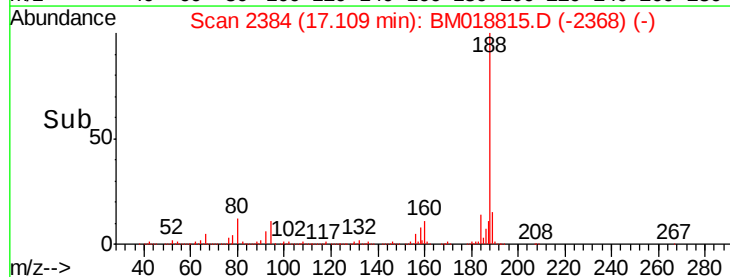
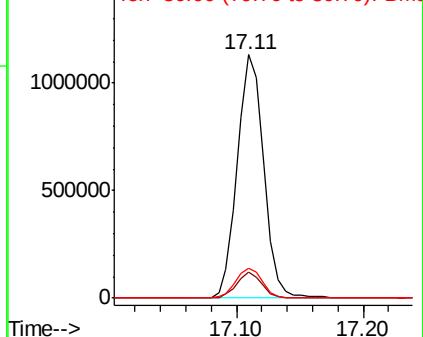


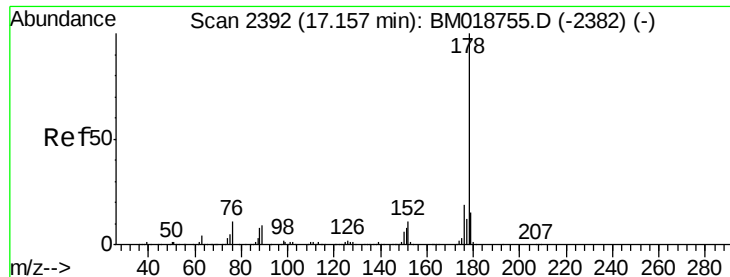
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.11 min Scan# 2384  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion: 188 Resp: 1632843  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.2 12.2  
80 12.4 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): BM018815.D (-2368) (-)  
Ion 94.00 (93.70 to 94.70): BM018815.D (-2368) (-)  
Ion 80.00 (79.70 to 80.70): BM018815.D (-2368) (-)





#71

Phenanthrene

Concen: 0.029 ng

RT: 17.16 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

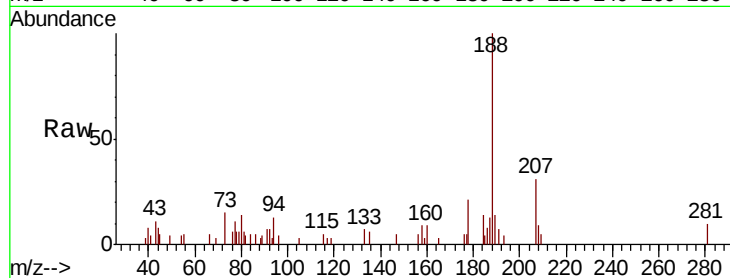
Tgt Ion:178 Resp: 2581

Ion Ratio Lower Upper

178 100

176 23.6 15.4 23.0#

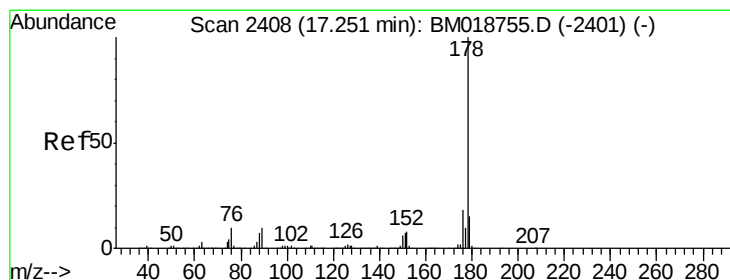
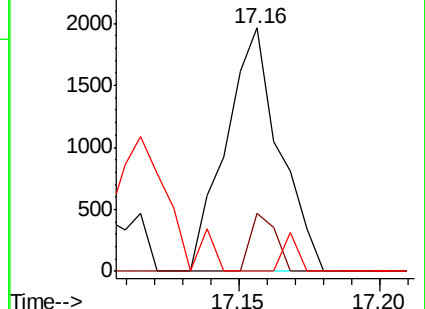
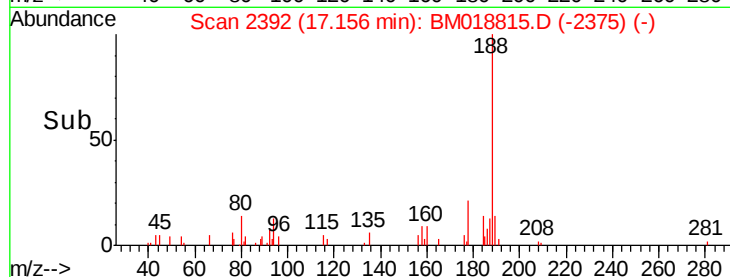
179 0.0 12.3 18.5#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 0.005 ng

RT: 17.25 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

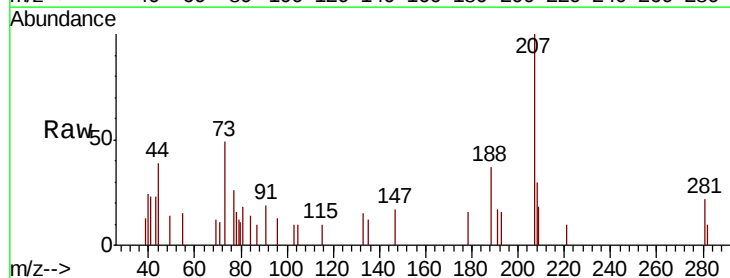
Tgt Ion:178 Resp: 408

Ion Ratio Lower Upper

178 100

176 0.0 14.8 22.2#

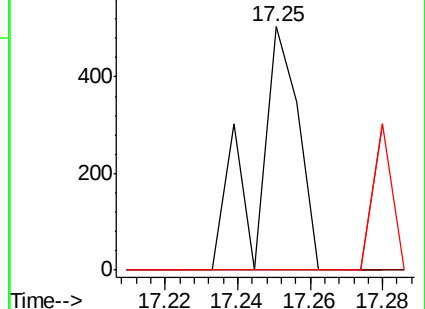
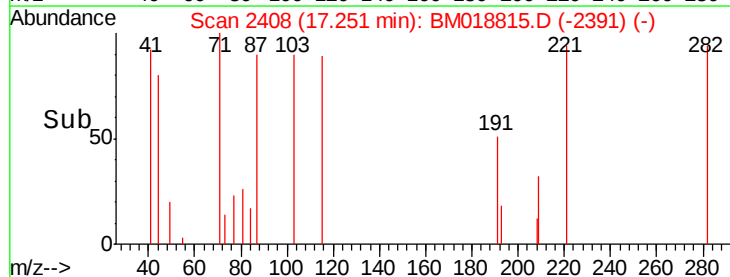
179 0.0 12.1 18.1#

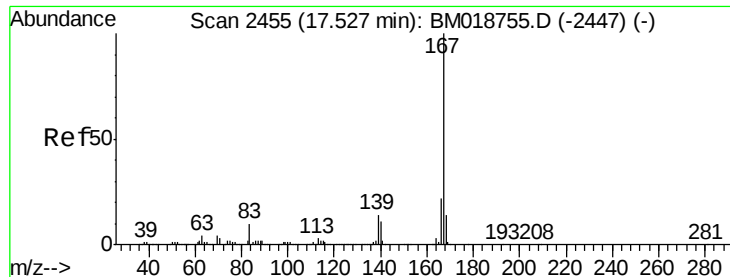


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 0.001 ng

RT: 17.53 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

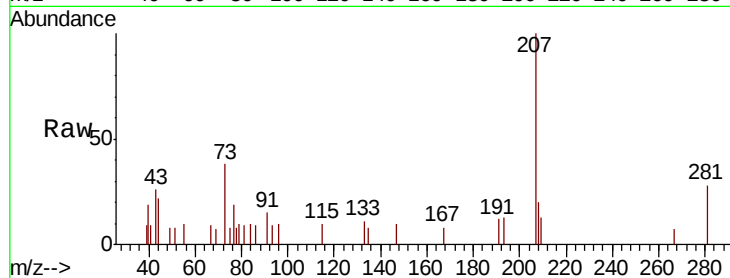
Tgt Ion:167 Resp: 115

Ion Ratio Lower Upper

167 100

166 0.0 17.7 26.5#

139 0.0 10.9 16.3#



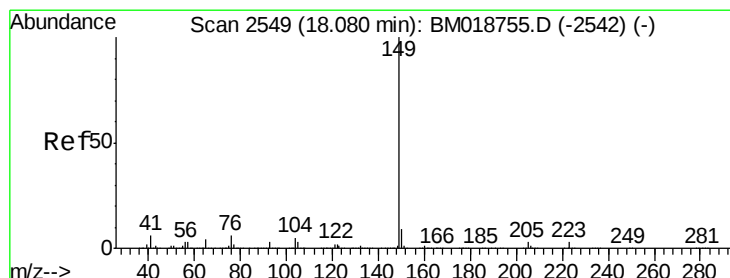
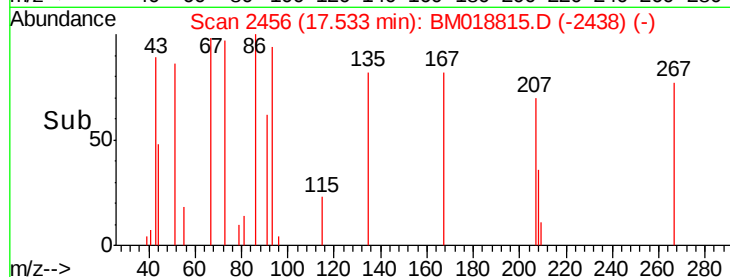
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.53

Time-->



#74

Di-n-butylphthalate

Concen: 0.140 ng

RT: 18.08 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

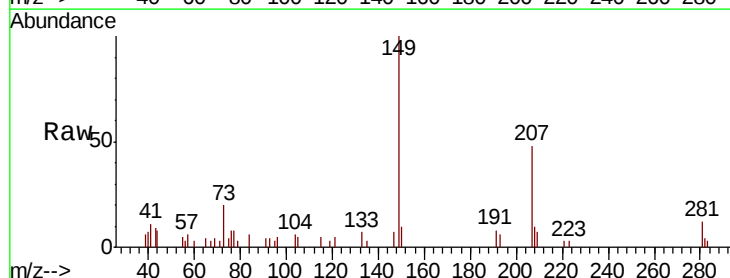
Tgt Ion:149 Resp: 14334

Ion Ratio Lower Upper

149 100

150 9.7 7.4 11.0

104 5.9 4.3 6.5



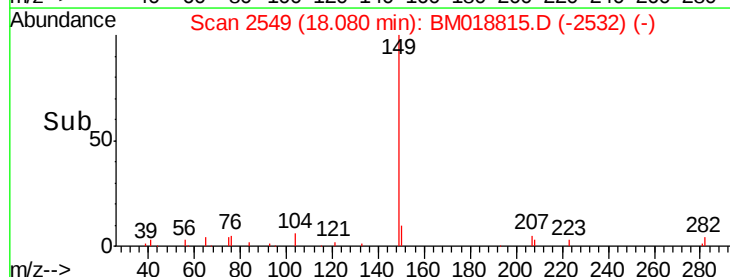
Abundance Ion 149.00 (148.70 to 149.70): E

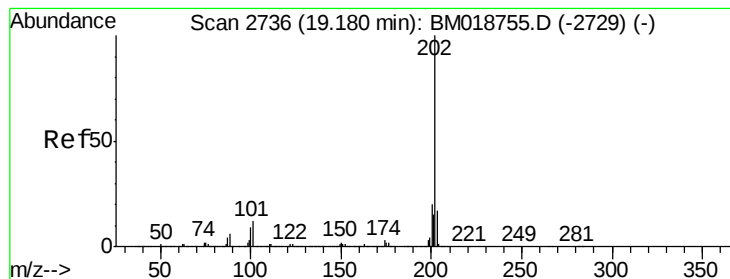
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.08

Time-->





#75

Fluoranthene

Concen: 0.005 ng

RT: 19.18 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

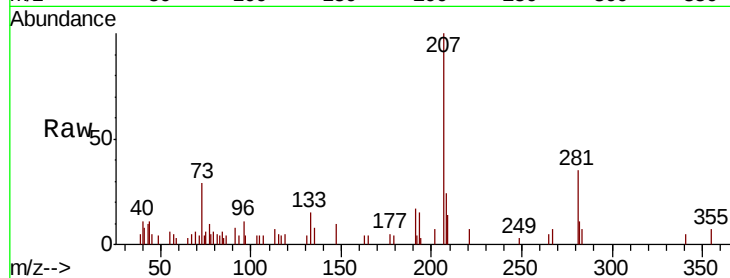
Tgt Ion:202 Resp: 543

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

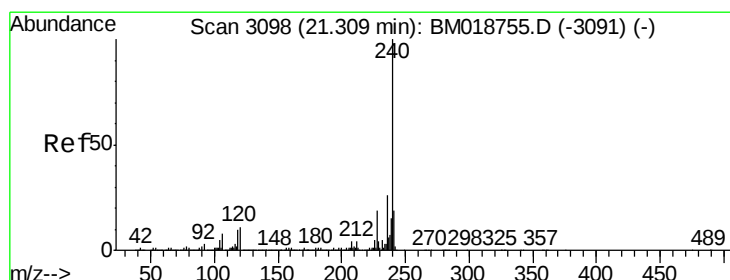
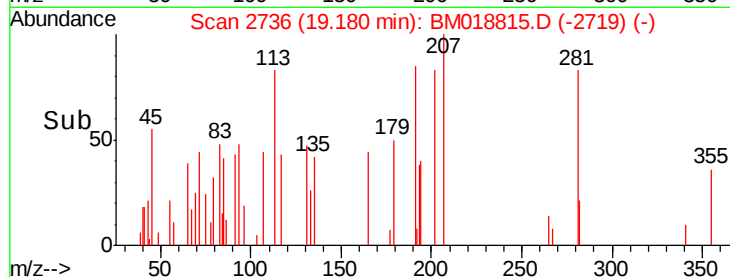
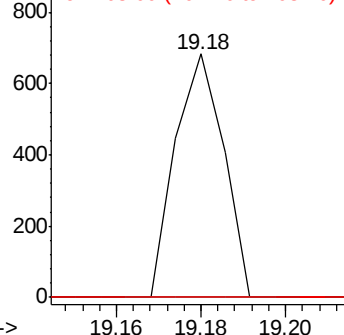
203 0.0 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

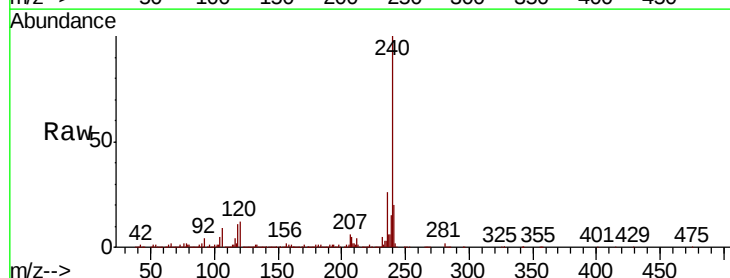
Tgt Ion:240 Resp: 1627327

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

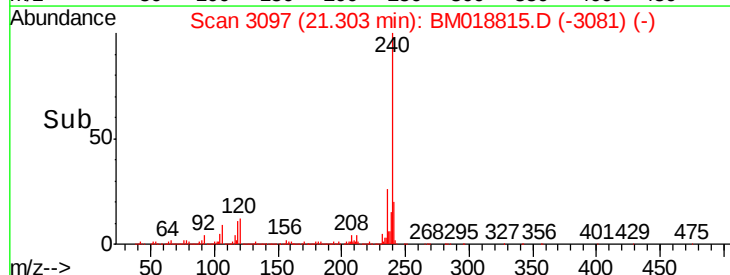
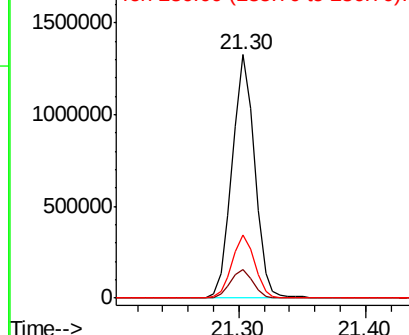
236 26.0 20.9 31.3

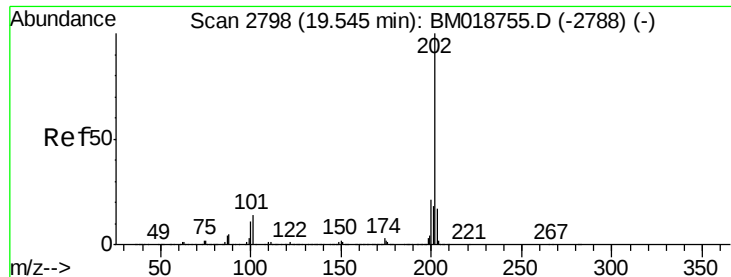


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

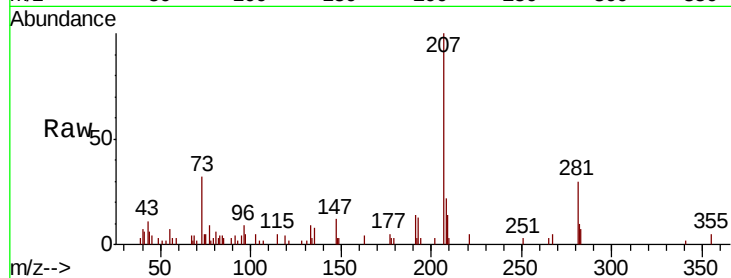




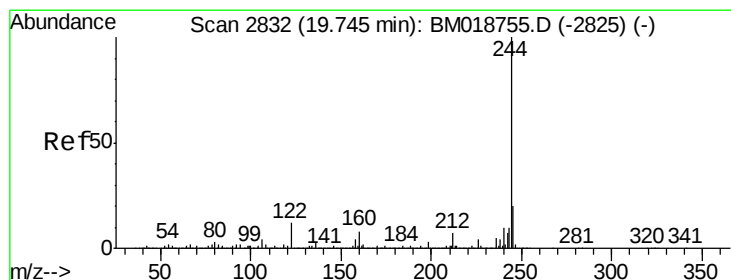
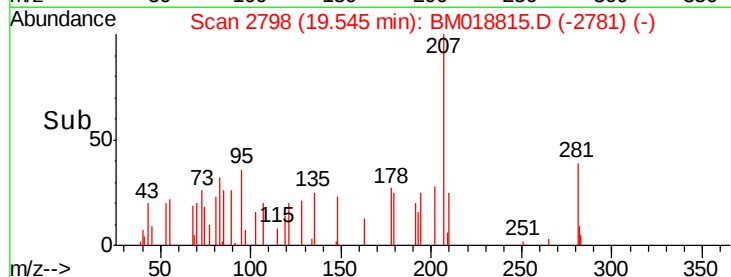
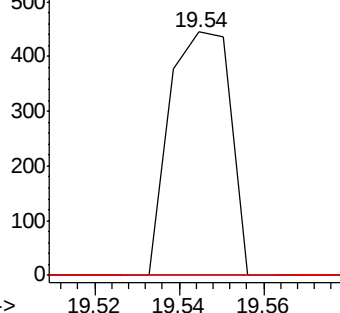
#78  
 Pyrene  
 Concen: 0.005 ng  
 RT: 19.54 min Scan# 2798  
 Delta R.T. -0.00 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

Instrument :  
 BNA\_M  
 ClientSampleId :  
 IDW-LIQUID-03

Tgt Ion: 202 Resp: 444  
 Ion Ratio Lower Upper  
 202 100  
 200 0.0 16.9 25.3#  
 203 0.0 13.8 20.8#

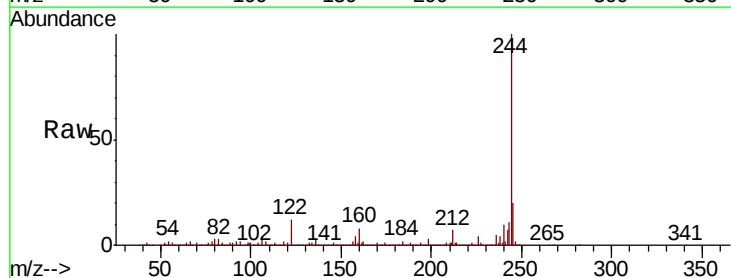


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

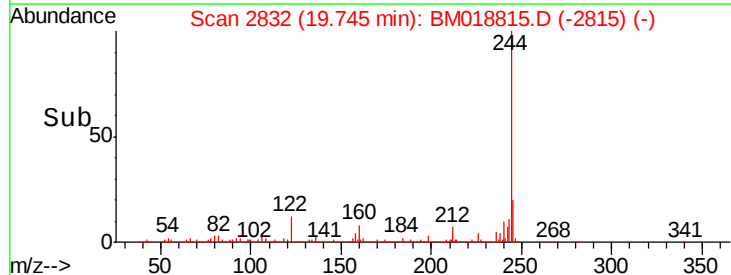
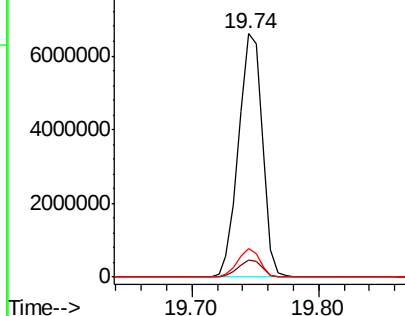


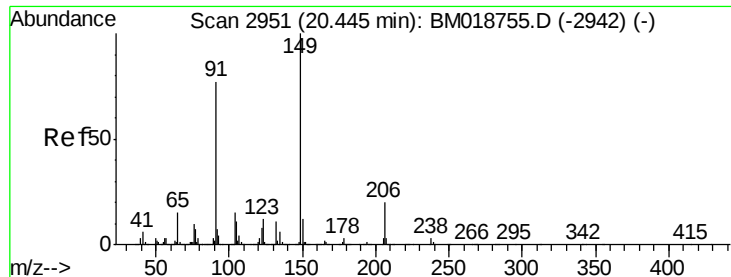
#79  
 Terphenyl-d14  
 Concen: 108.212 ng  
 RT: 19.74 min Scan# 2832  
 Delta R.T. -0.00 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

Tgt Ion: 244 Resp: 8536354  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.6 8.4  
 122 11.9 9.3 13.9



Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E





#80

Butylbenzylphthalate

Concen: 0.036 ng

RT: 20.44 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

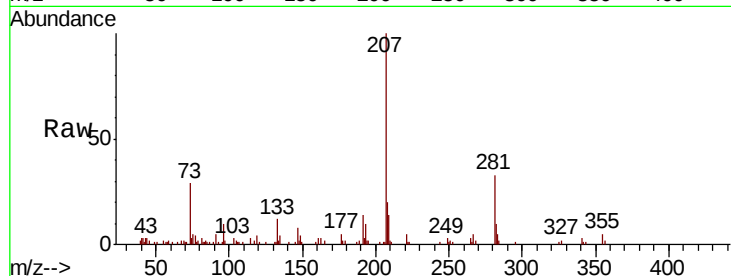
Tgt Ion:149 Resp: 1543

Ion Ratio Lower Upper

149 100

91 131.0 61.4 92.0#

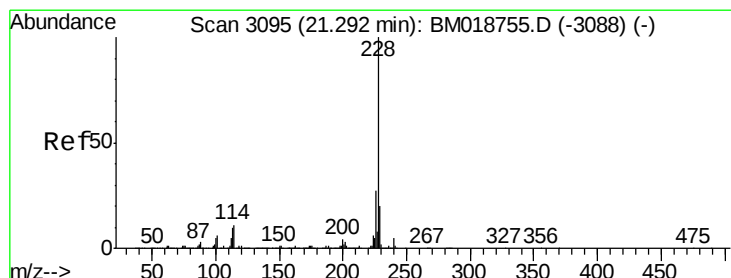
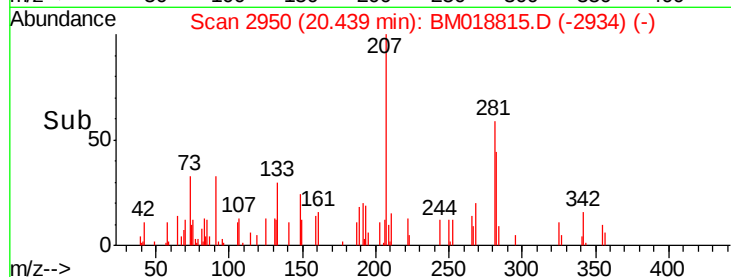
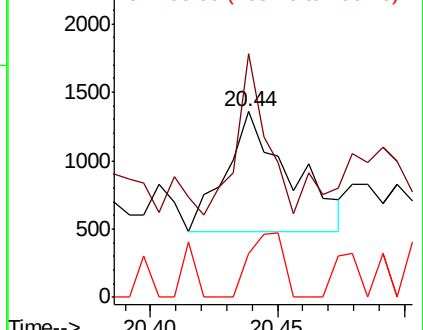
206 23.6 15.8 23.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#81

Benzo(a)anthracene

Concen: 0.056 ng

RT: 21.30 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

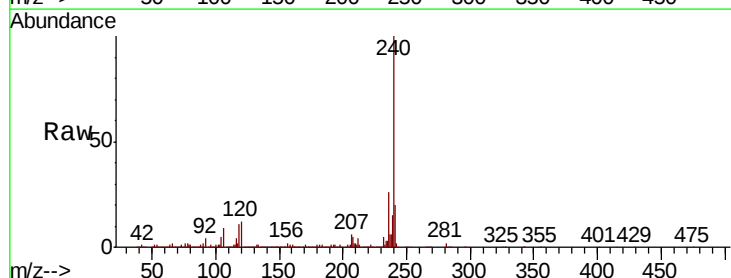
Tgt Ion:228 Resp: 5274

Ion Ratio Lower Upper

228 100

226 12.5 21.9 32.9#

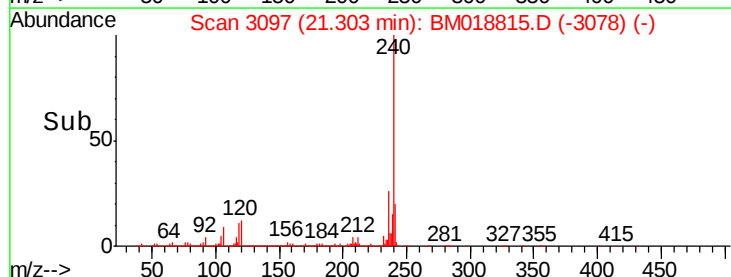
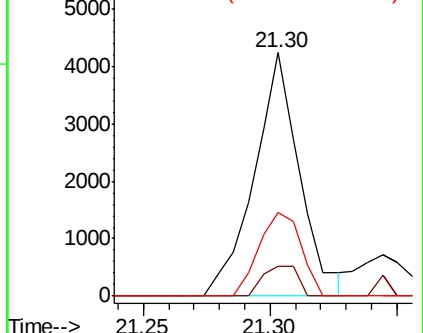
229 34.1 15.9 23.9#

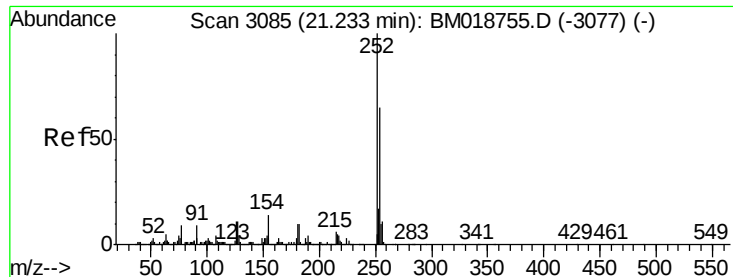


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

3,3'-Dichlorobenzidine

Concen: 0.034 ng

RT: 21.24 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

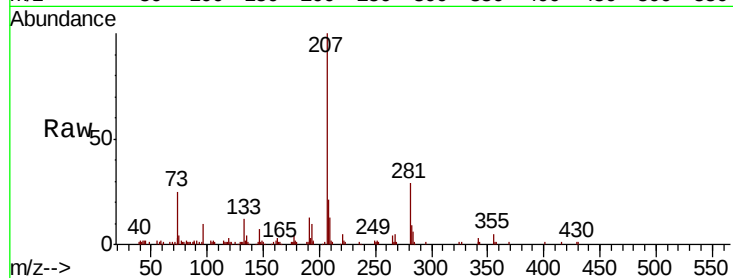
Tgt Ion:252 Resp: 1289

Ion Ratio Lower Upper

252 100

254 0.0 51.8 77.8#

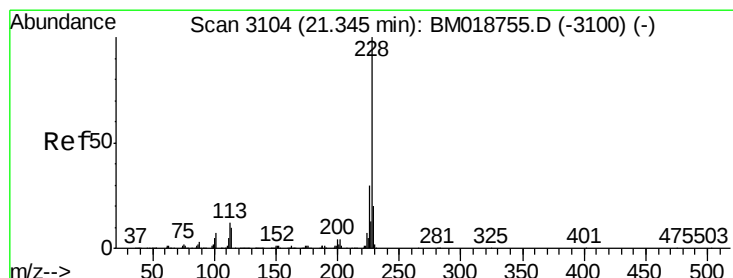
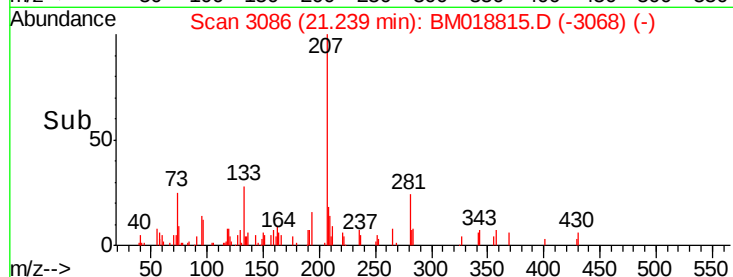
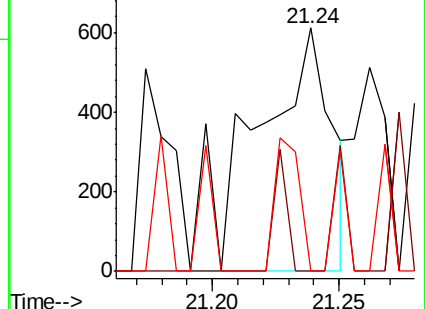
126 0.0 9.1 13.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 0.010 ng

RT: 21.34 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

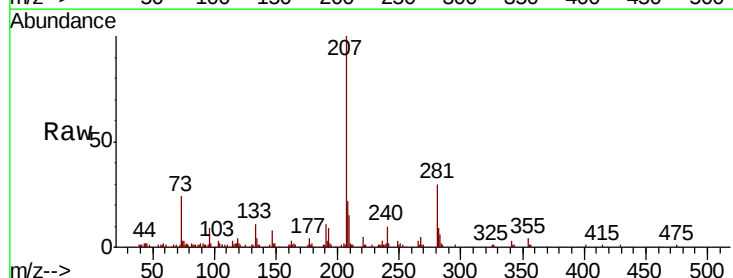
Tgt Ion:228 Resp: 949

Ion Ratio Lower Upper

228 100

226 51.0 24.1 36.1#

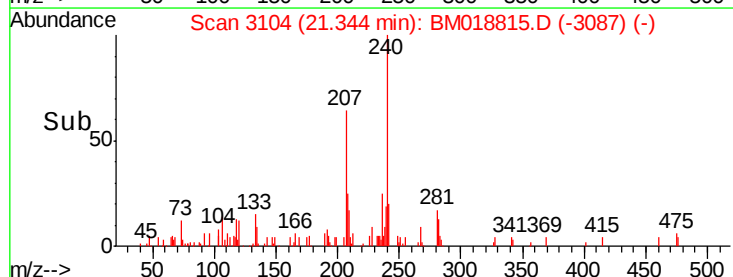
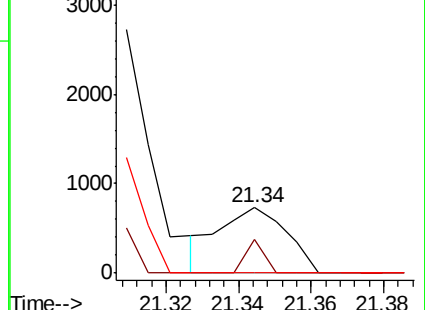
229 0.0 16.0 24.0#

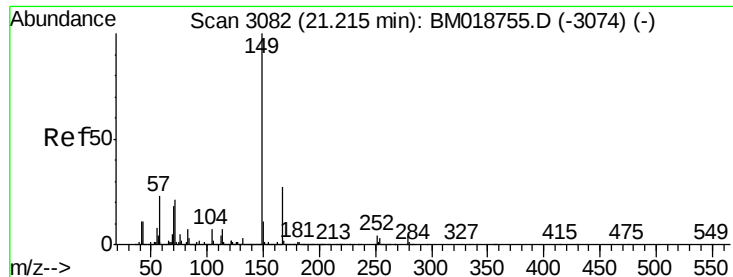


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

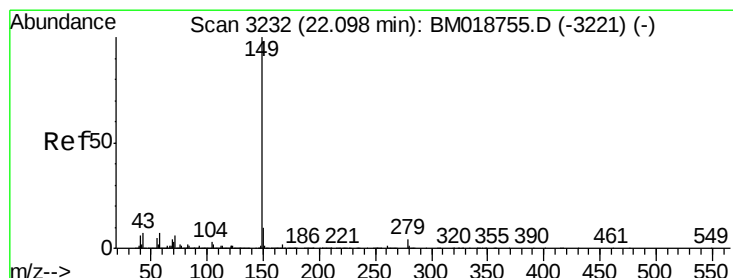
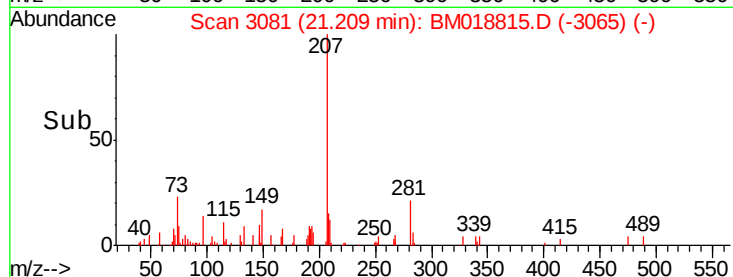
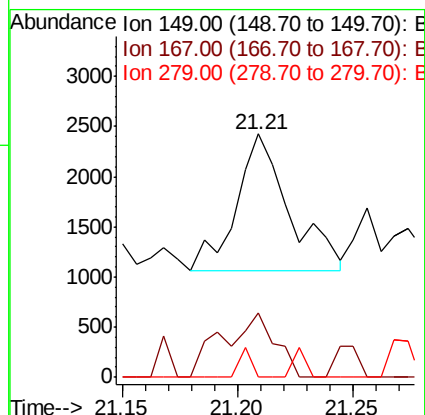
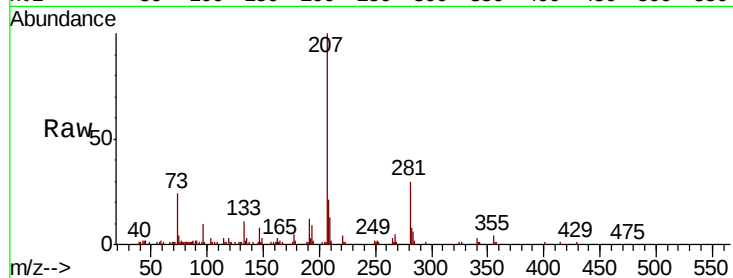




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.035 ng  
 RT: 21.21 min Scan# 3081  
 Delta R.T. -0.01 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

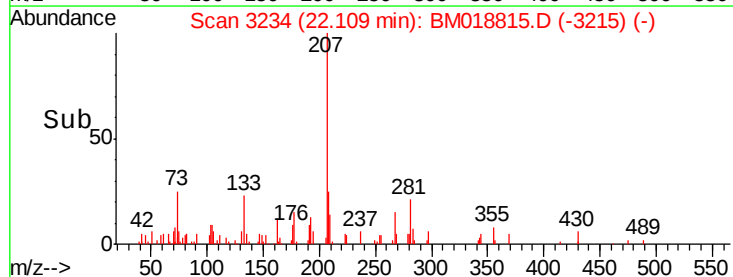
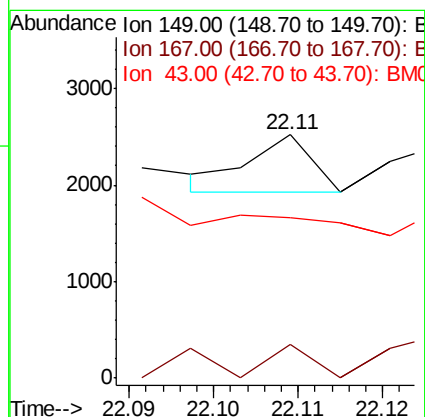
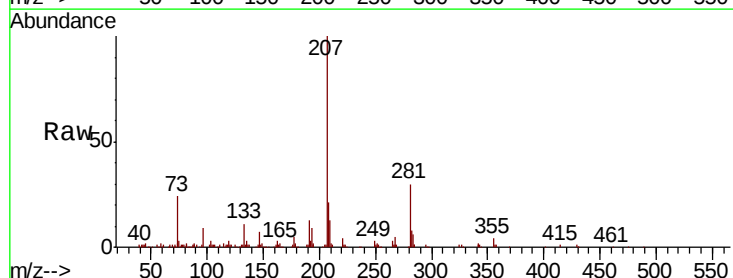
Instrument :  
 BNA\_M  
 ClientSampleId :  
 IDW-LIQUID-03

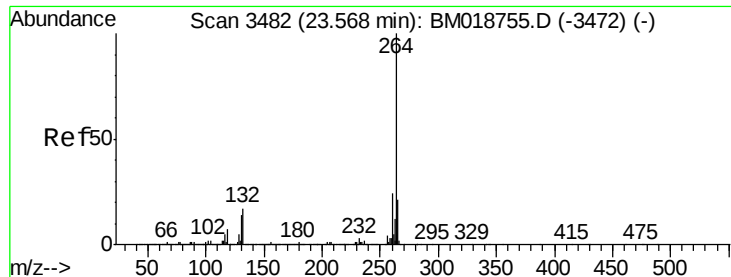
Tgt Ion:149 Resp: 2187  
 Ion Ratio Lower Upper  
 149 100  
 167 26.4 21.8 32.6  
 279 0.0 3.6 5.4#



#85  
 Di-n-octyl phthalate  
 Concen: 0.003 ng  
 RT: 22.11 min Scan# 3234  
 Delta R.T. 0.01 min  
 Lab File: BM018815.D  
 Acq: 13 Feb 2019 23:15

Tgt Ion:149 Resp: 299  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 1.3 1.9#  
 43 252.8 6.0 9.0#



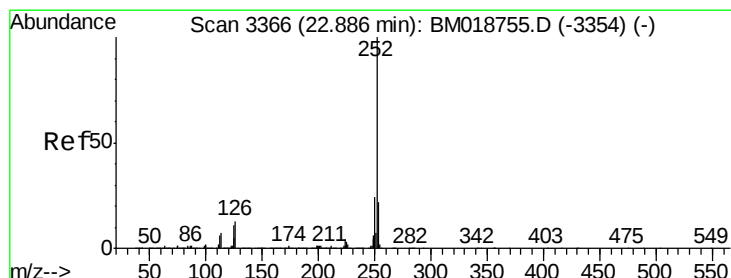
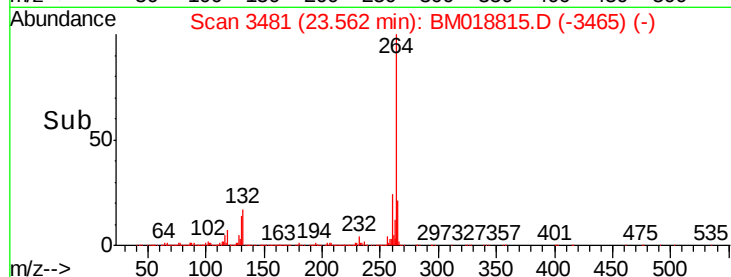
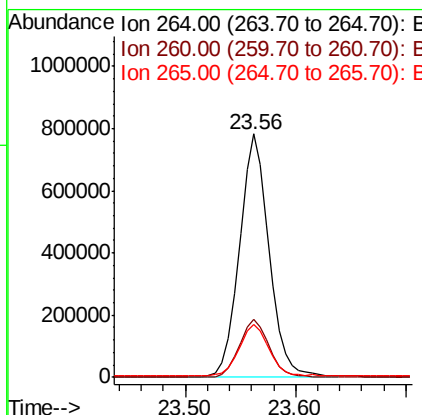
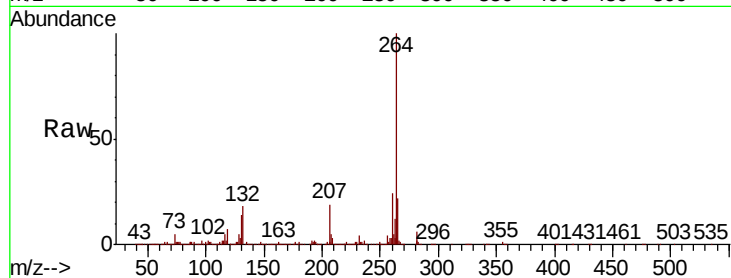


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.56 min Scan# 3481  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

Tgt Ion:264 Resp: 1474465  

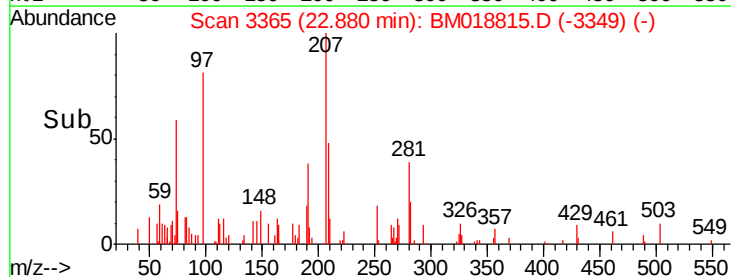
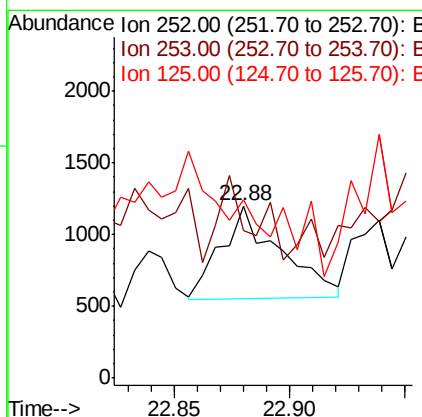
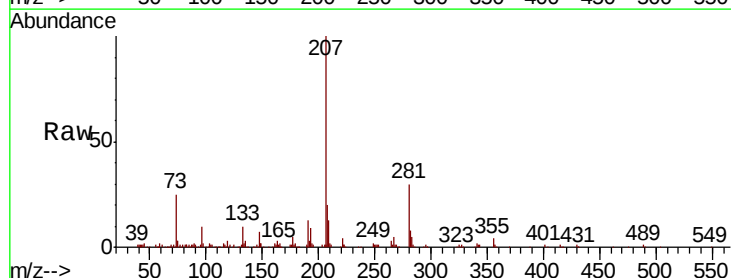
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 18.9  | 28.3  |
| 265 | 21.8  | 17.3  | 25.9  |

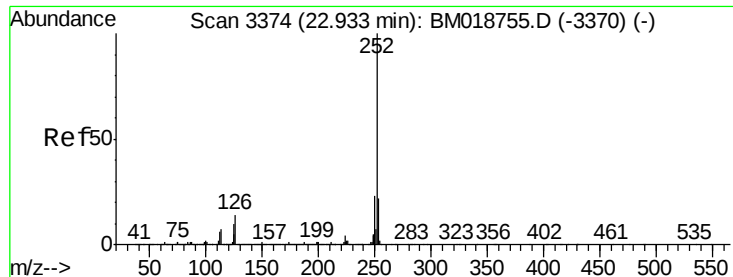


#88  
Benzo(b)fluoranthene  
Concen: 0.014 ng  
RT: 22.88 min Scan# 3365  
Delta R.T. -0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion:252 Resp: 1164  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 85.9  | 17.8  | 26.6# |
| 125 | 103.3 | 8.6   | 12.8# |

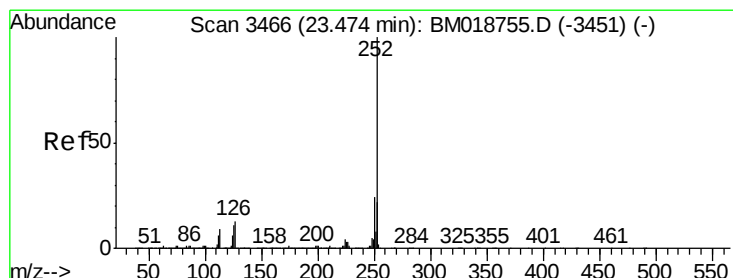
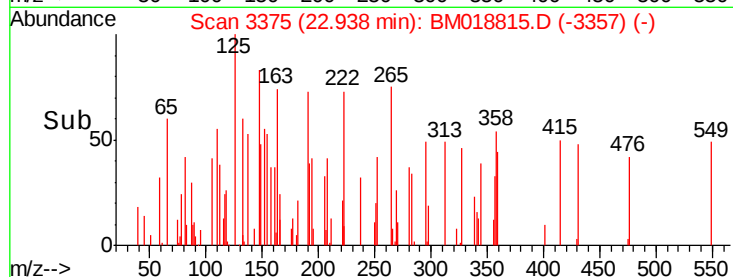
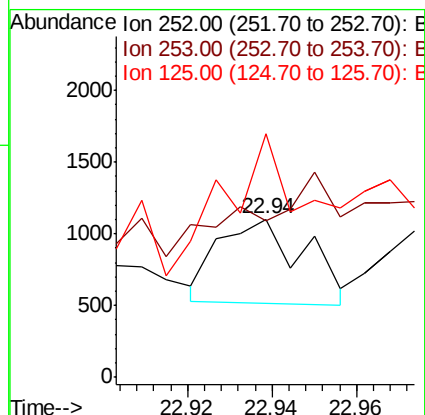
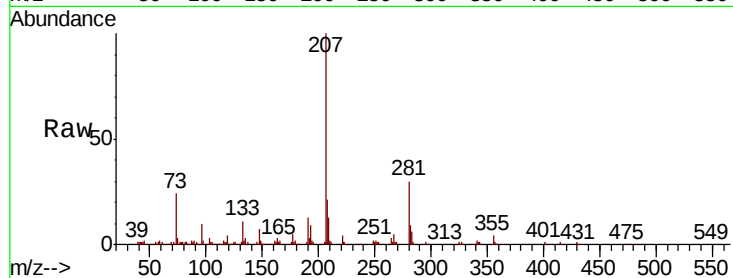




#89  
Benzo(k)fluoranthene  
Concen: 0.010 ng  
RT: 22.94 min Scan# 3375  
Delta R.T. 0.01 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

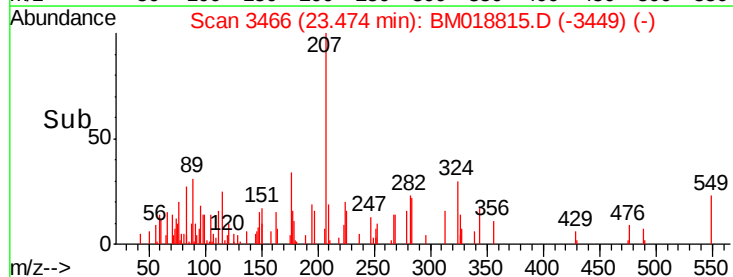
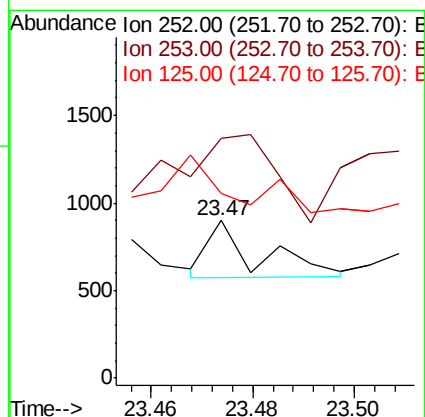
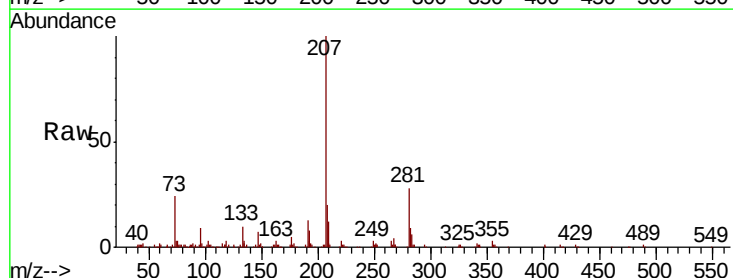
Instrument :  
BNA\_M  
ClientSampleId :  
IDW-LIQUID-03

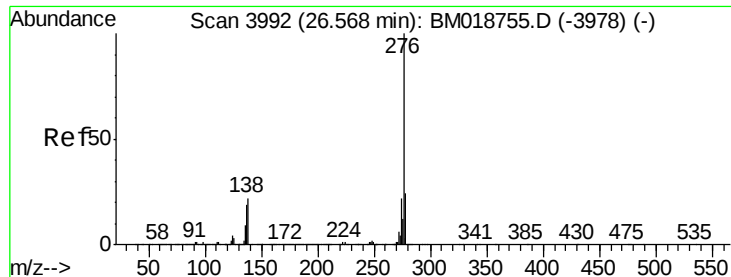
Tgt Ion:252 Resp: 826  
Ion Ratio Lower Upper  
252 100  
253 99.0 17.7 26.5#  
125 154.1 8.2 12.4#



#90  
Benzo(a)pyrene  
Concen: 0.003 ng  
RT: 23.47 min Scan# 3466  
Delta R.T. -0.00 min  
Lab File: BM018815.D  
Acq: 13 Feb 2019 23:15

Tgt Ion:252 Resp: 218  
Ion Ratio Lower Upper  
252 100  
253 152.1 17.4 26.0#  
125 117.5 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 0.002 ng

RT: 26.57 min Scan# 3992

Delta R.T. -0.00 min

Lab File: BM018815.D

Acq: 13 Feb 2019 23:15

Instrument :

BNA\_M

ClientSampleId :

IDW-LIQUID-03

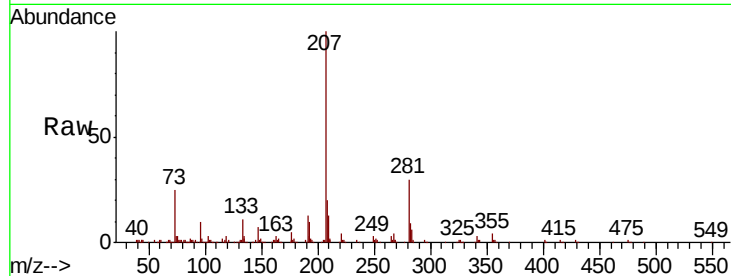
Tgt Ion: 276 Resp: 116

Ion Ratio Lower Upper

276 100

277 0.0 19.2 28.8#

138 0.0 17.3 25.9#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

