

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052020\  
 Data File : BF120372.D  
 Acq On : 20 May 2020 16:25  
 Operator : MA/SJ  
 Sample : L2713-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BUS-WASH-SLUDGE-PIT

Quant Time: May 20 17:05:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 20 13:33:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.59  | 152  | 292642   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.87  | 136  | 1212123  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.63  | 164  | 622593   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.11 | 188  | 1136882  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.74 | 240  | 682435   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.13 | 264  | 513534   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.20  | 112  | 1833399  | 121.90 | ng    | 0.01     |
| 7) Phenol-d6                | 6.25  | 99   | 2167075  | 113.94 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 1731639  | 97.81  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.42 | 330  | 655655   | 129.16 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 8.96  | 172  | 3178996  | 104.90 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.70 | 244  | 3000860  | 97.15  | ng    | 0.00     |

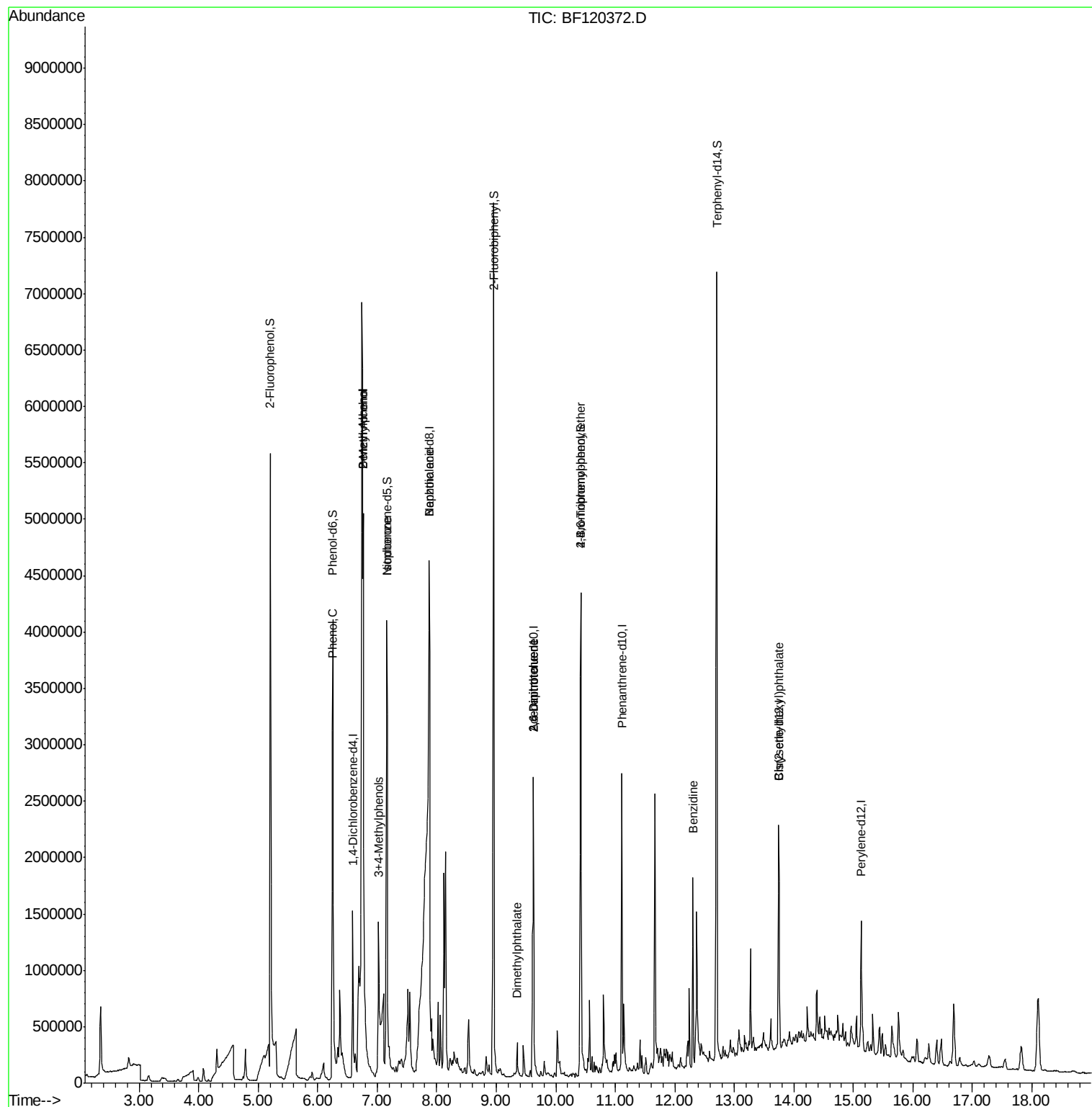
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 10) Phenol                     | 6.26  | 94   | 94846    | 4.272   | ng    | 91     |
| 15) Benzyl Alcohol             | 6.77  | 79   | 1669491  | 123.552 | ng    | 98     |
| 17) 2-Methylphenol             | 6.77  | 107  | 899238   | 60.742  | ng    | # 22   |
| 20) 3+4-Methylphenols          | 7.03  | 107  | 468108   | 24.320  | ng    | # 83   |
| 25) Isophorone                 | 7.16  | 82   | 1694758  | 46.008  | ng    | # 65   |
| 32) Benzoic acid               | 7.88  | 122  | 3399553  | 357.793 | ng    | 97     |
| 50) Dimethylphthalate          | 9.35  | 163  | 134981   | 3.430   | ng    | 98     |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 78916    | 8.984   | ng    | # 24   |
| 57) 2,4-Dinitrotoluene         | 9.63  | 165  | 78916    | 7.659   | ng    | # 17   |
| 67) 4-Bromophenyl-phenylether  | 10.42 | 248  | 38853    | 3.522   | ng    | # 1    |
| 77) Benzidine                  | 12.30 | 184  | 635754   | 31.902  | ng    | # 85   |
| 84) Bis(2-ethylhexyl)phthalate | 13.74 | 149  | 93500    | 3.280   | ng    | 99     |

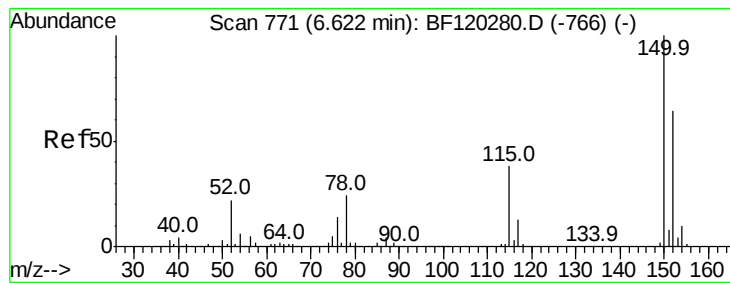
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF052020\  
Data File : BF120372.D  
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Sample : L2713-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BUS-WASH-SLUDGE-PIT

Quant Time: May 20 17:05:03 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 20 13:33:43 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

Instrument :

BNA\_M

ClientSampleId :

BUS-WASH-SLUDGE-PIT

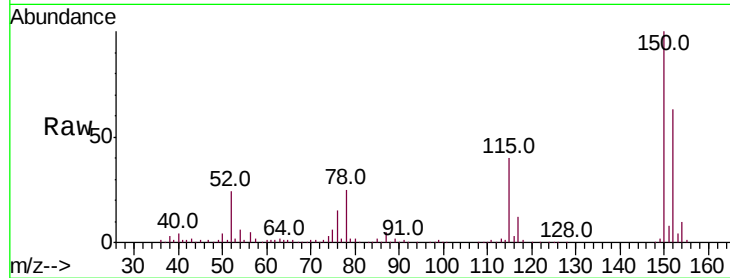
Tot Ion:152 Resp: 292642

Ion Ratio Lower Upper

152 100

150 159.5 126.2 189.2

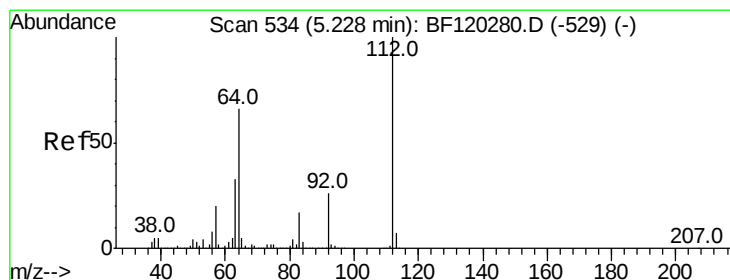
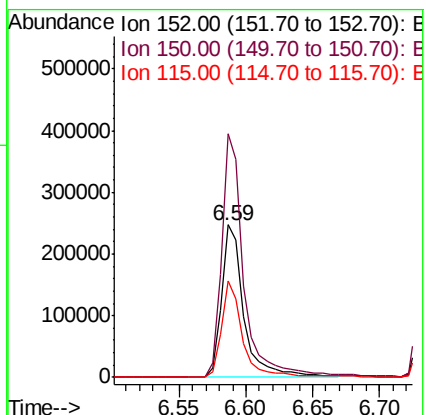
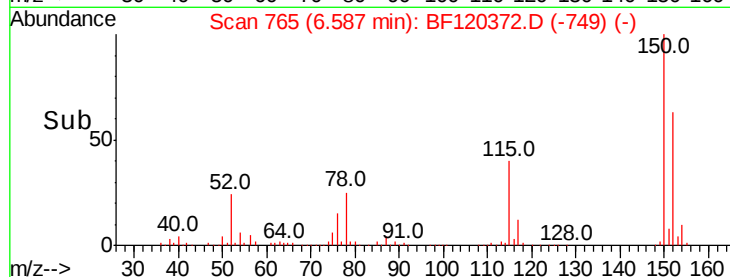
115 63.4 47.9 71.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 121.898 ng

RT: 5.20 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

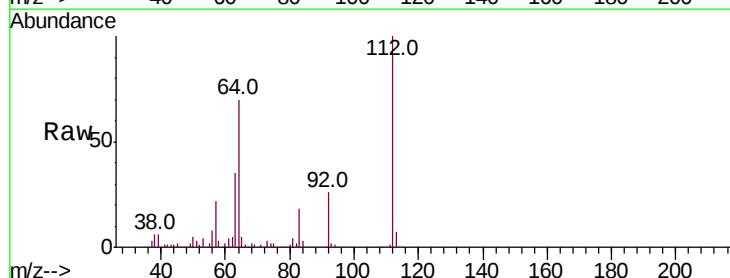
Tgt Ion:112 Resp: 1833399

Ion Ratio Lower Upper

112 100

64 69.6 52.7 79.1

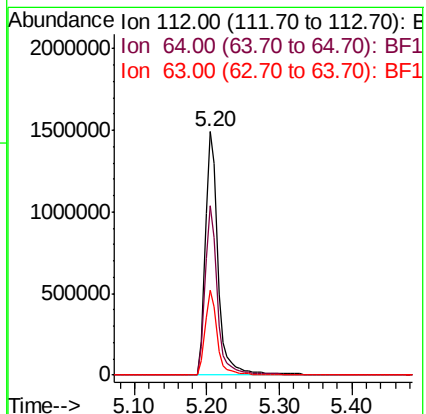
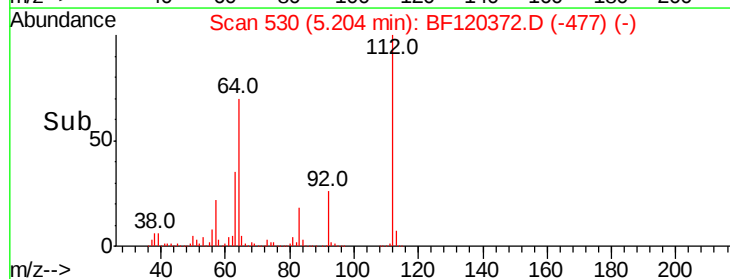
63 34.6 26.2 39.4

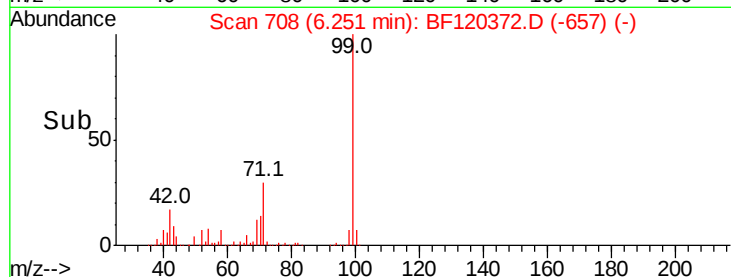
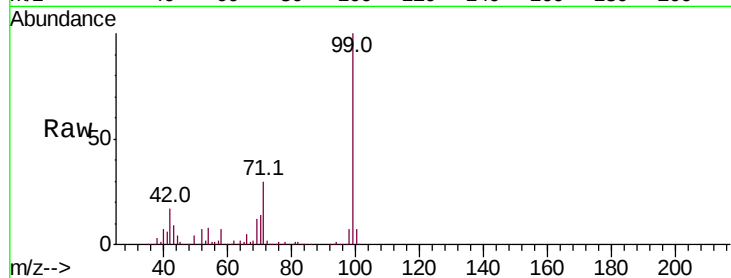
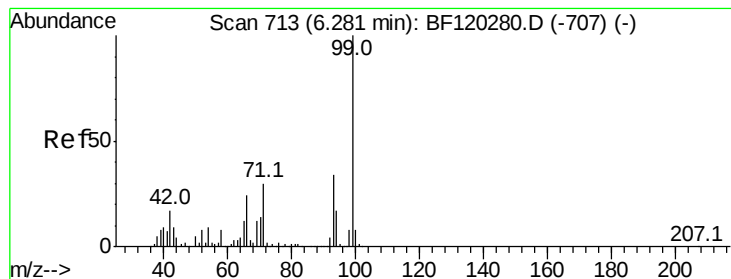


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.937 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

Instrument :

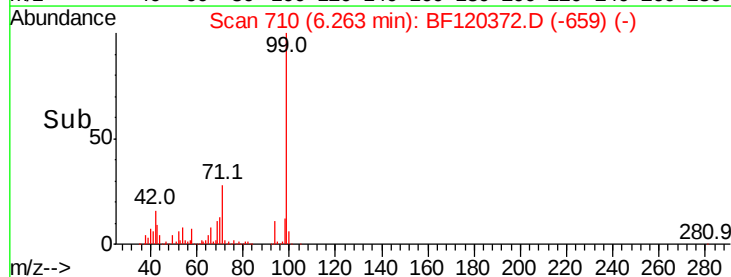
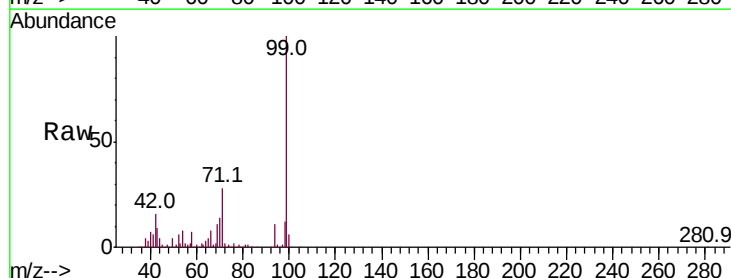
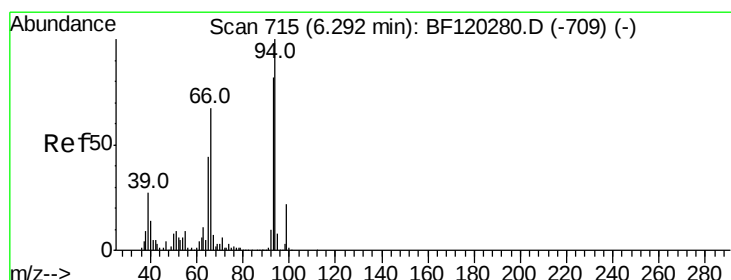
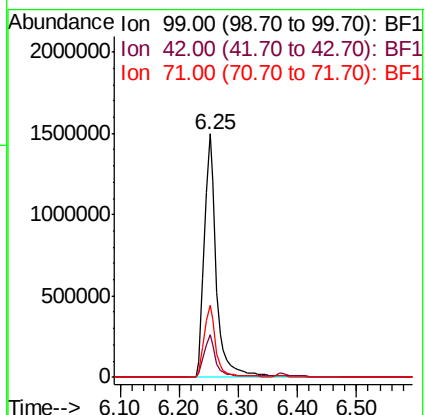
BNA\_M

ClientSampleId :

BUS-WASH-SLUDGE-PIT

Tot Ion: 99 Resp: 2167075

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.3  | 13.6  | 20.4  |
| 71  | 29.8  | 24.2  | 36.4  |



#10

Phenol

Concen: 4.272 ng

RT: 6.26 min Scan# 710

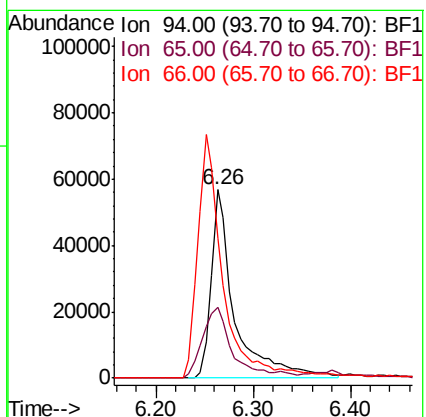
Delta R.T. 0.00 min

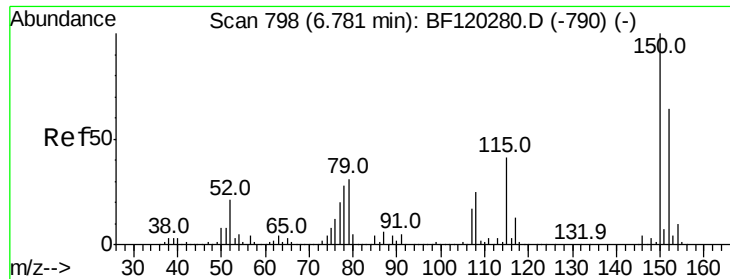
Lab File: BF120372.D

Acq: 20 May 2020 16:25

Tgt Ion: 94 Resp: 94846

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 37.5  | 24.1  | 64.1  |
| 66  | 74.1  | 47.5  | 87.5  |

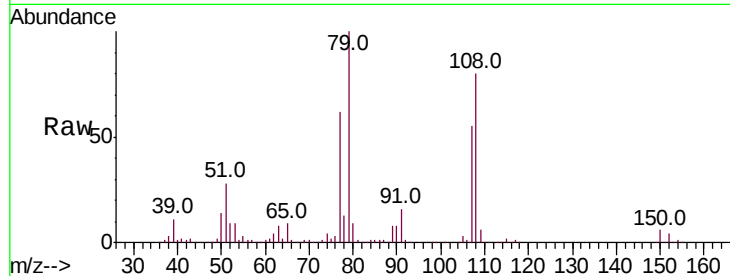




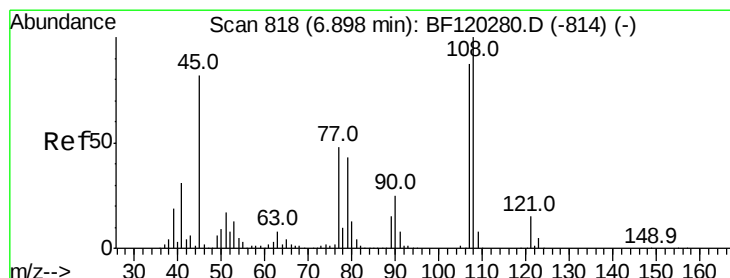
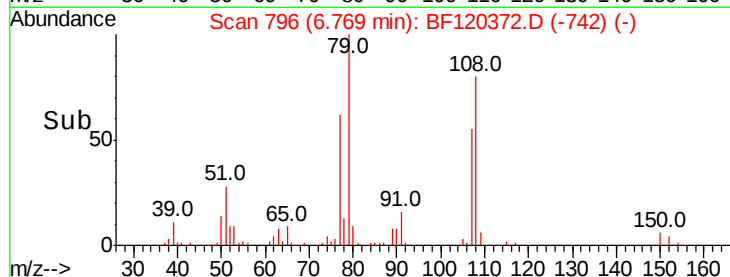
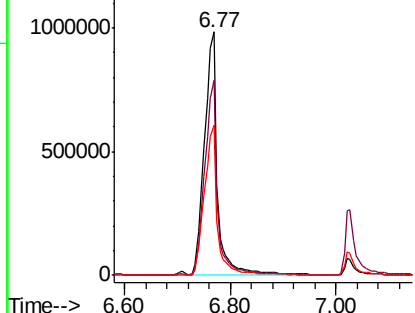
#15  
Benzyl Alcohol  
Concen: 123.552 ng  
RT: 6.77 min Scan# 796  
Delta R.T. 0.02 min  
Lab File: BF120372.D  
Acq: 20 May 2020 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
BUS-WASH-SLUDGE-PIT

Tot Ion: 79 Resp: 1669491  
Ion Ratio Lower Upper  
79 100  
108 79.9 64.2 96.4  
77 61.8 51.6 77.4

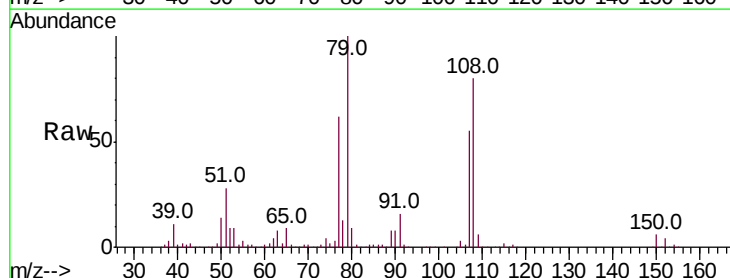


Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

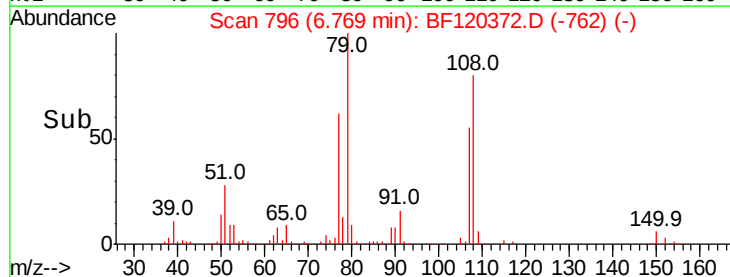
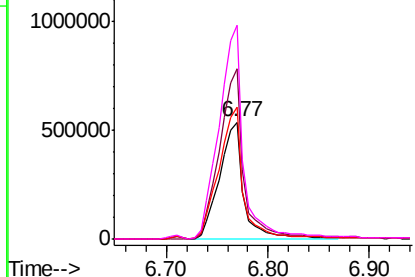


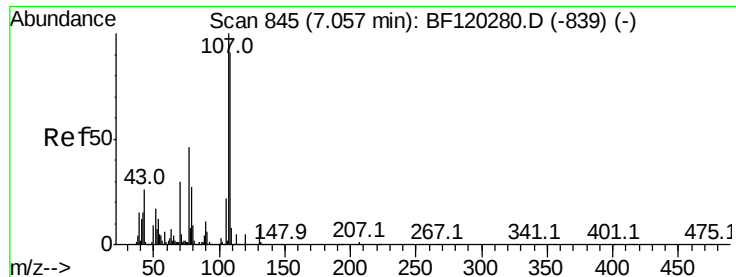
#17  
2-Methylphenol  
Concen: 60.742 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.10 min  
Lab File: BF120372.D  
Acq: 20 May 2020 16:25

Tgt Ion: 107 Resp: 899238  
Ion Ratio Lower Upper  
107 100  
108 145.9 92.4 138.6#  
77 112.8 44.5 66.7#  
79 182.6 40.4 60.6#



Abundance Ion 107.00 (106.70 to 107.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

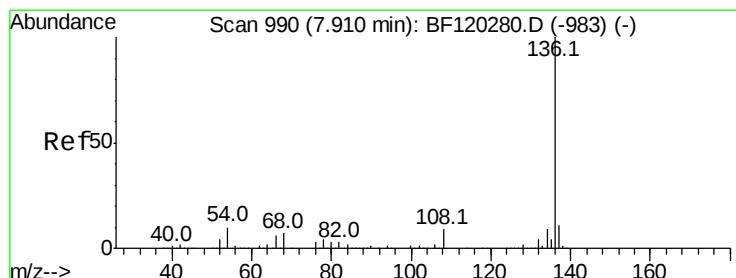
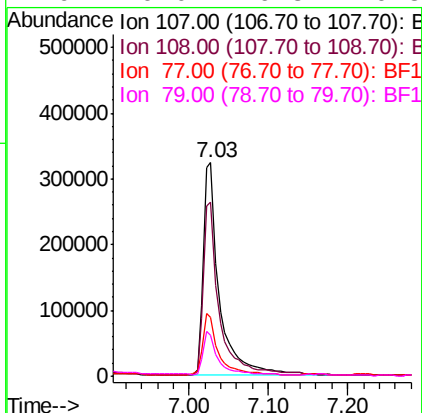
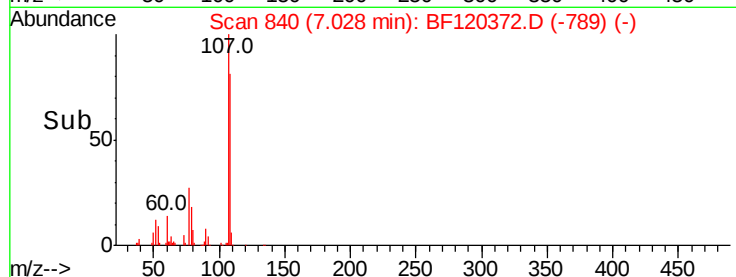
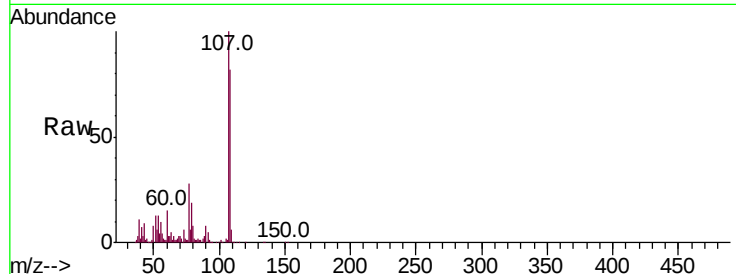




#20  
3+4-Methylphenols  
Concen: 24.320 ng  
RT: 7.03 min Scan# 840  
Delta R.T. 0.00 min  
Lab File: BF120372.D  
Acq: 20 May 2020 16:25

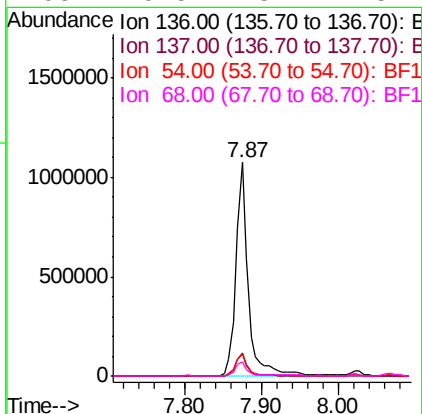
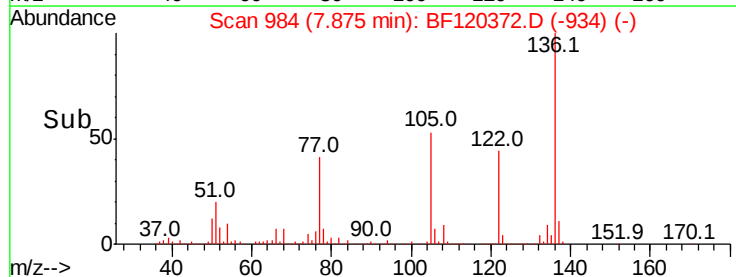
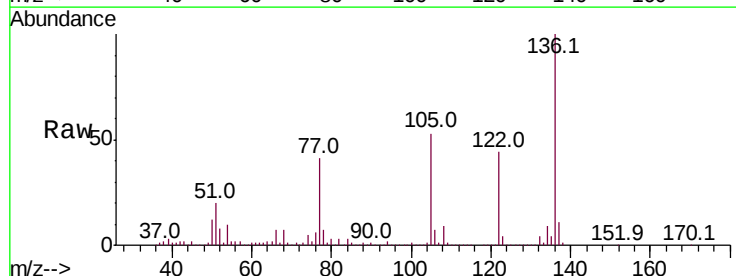
Instrument :  
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BUS-WASH-SLUDGE-PIT

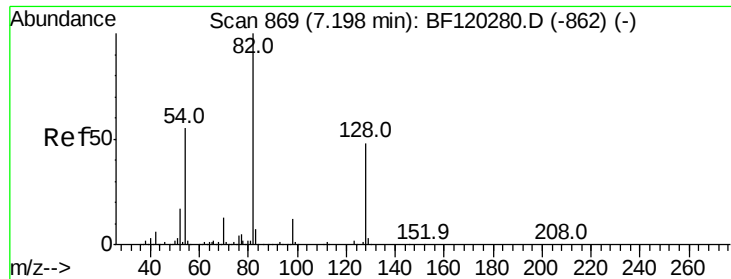
|             |       |            |
|-------------|-------|------------|
| Tot Ion:107 | Resp: | 468108     |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 108         | 81.7  | 71.1 111.1 |
| 77          | 27.7  | 28.1 68.1# |
| 79          | 19.0  | 6.8 46.8   |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.87 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BF120372.D  
Acq: 20 May 2020 16:25

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 1212123  |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.1  | 9.1 13.7 |
| 54          | 10.3  | 7.9 11.9 |
| 68          | 6.5   | 5.4 8.2  |

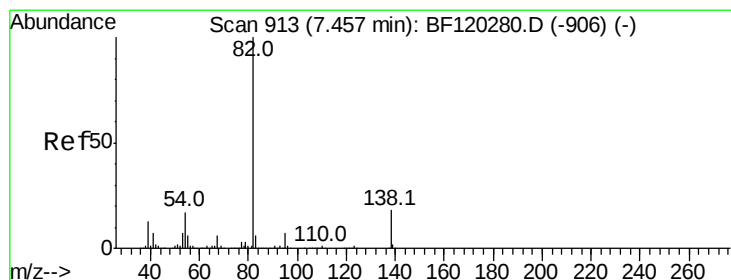
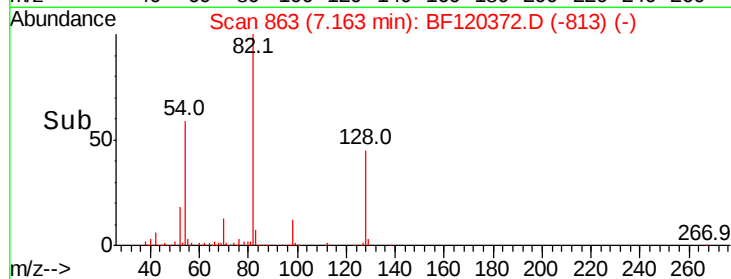
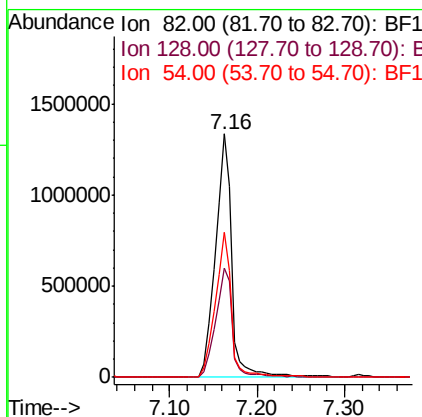
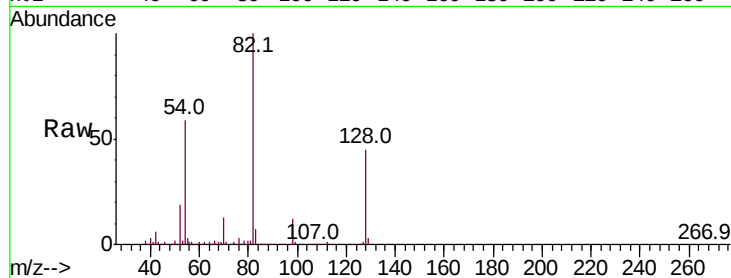




#23  
 Nitrobenzene-d5  
 Concen: 97.811 ng  
 RT: 7.16 min Scan# 863  
 Delta R.T. -0.01 min  
 Lab File: BF120372.D  
 Acq: 20 May 2020 16:25

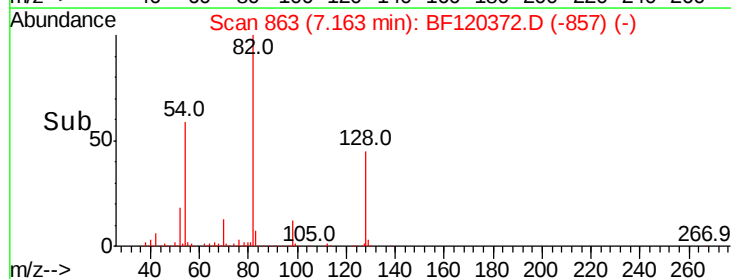
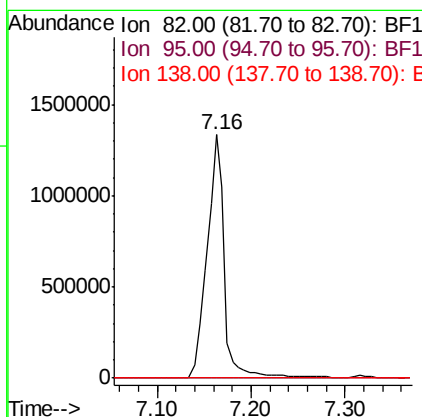
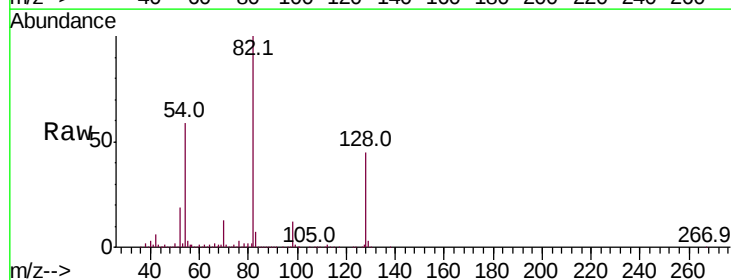
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 BUS-WASH-SLUDGE-PIT

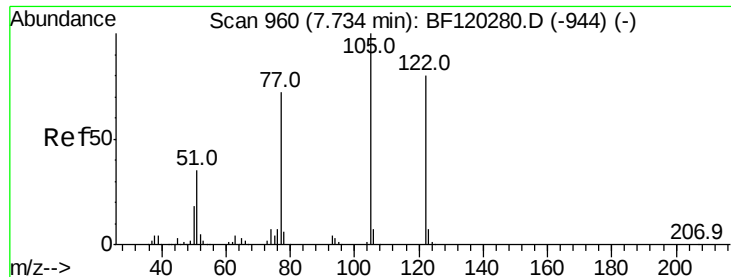
Tot Ion: 82 Resp: 1731639  
 Ion Ratio Lower Upper  
 82 100  
 128 44.7 38.3 57.5  
 54 59.3 43.9 65.9



#25  
 Isophorone  
 Concen: 46.008 ng  
 RT: 7.16 min Scan# 863  
 Delta R.T. -0.26 min  
 Lab File: BF120372.D  
 Acq: 20 May 2020 16:25

Tgt Ion: 82 Resp: 1694758  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.4 8.0#  
 138 0.0 14.7 22.1#

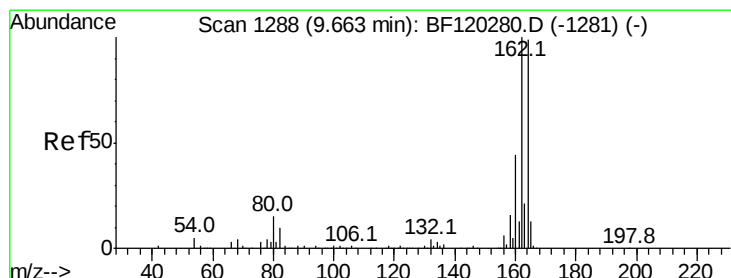
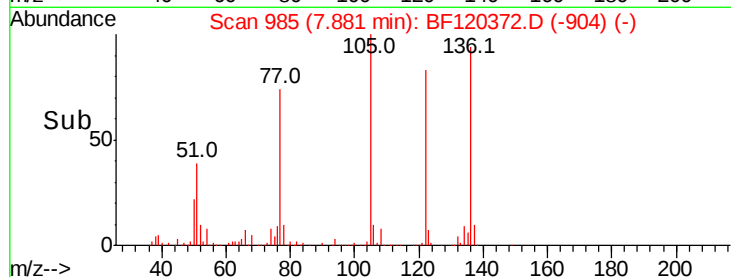
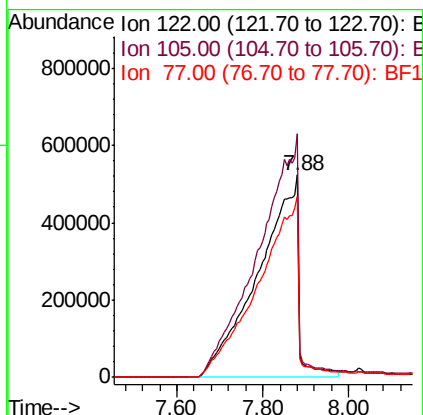
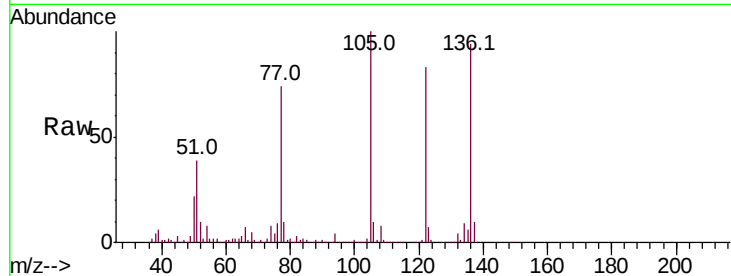




#32  
Benzoic acid  
Concen: 357.793 ng  
RT: 7.88 min Scan# 985  
Delta R.T. 0.18 min  
Lab File: BF120372.D  
Acq: 20 May 2020 16:25

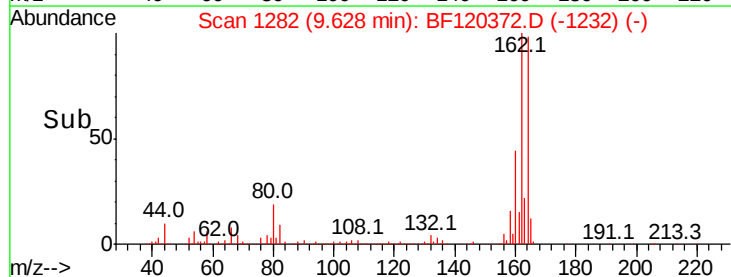
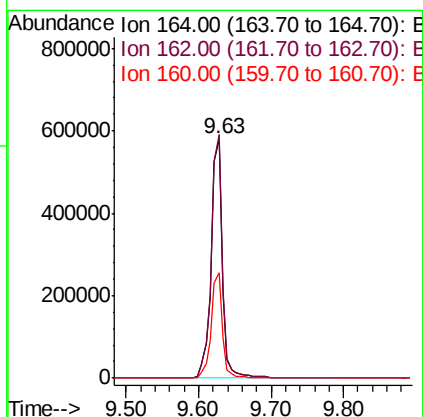
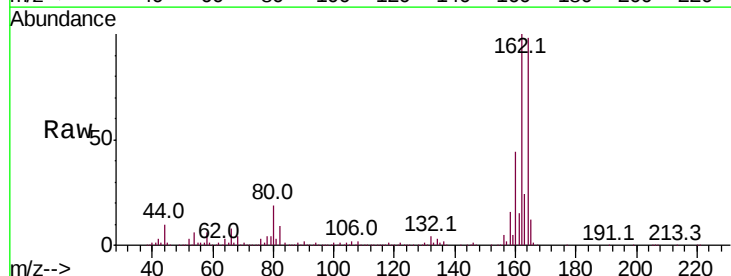
Instrument :  
BNA\_M  
ClientSampleId :  
BUS-WASH-SLUDGE-PIT

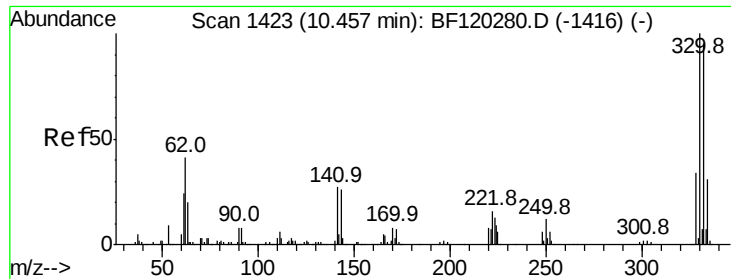
Tot Ion:122 Resp: 3399553  
Ion Ratio Lower Upper  
122 100  
105 120.5 98.1 138.1  
77 89.7 66.7 106.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF120372.D  
Acq: 20 May 2020 16:25

Tgt Ion:164 Resp: 622593  
Ion Ratio Lower Upper  
164 100  
162 101.9 81.2 121.8  
160 44.4 35.8 53.6

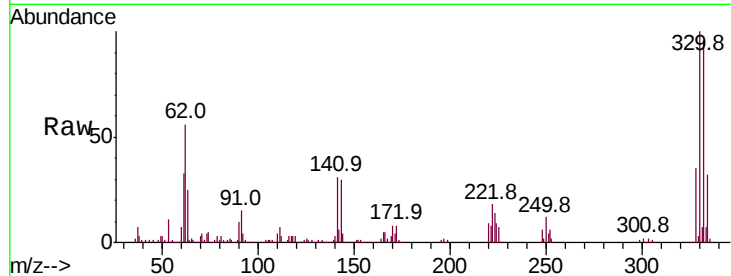




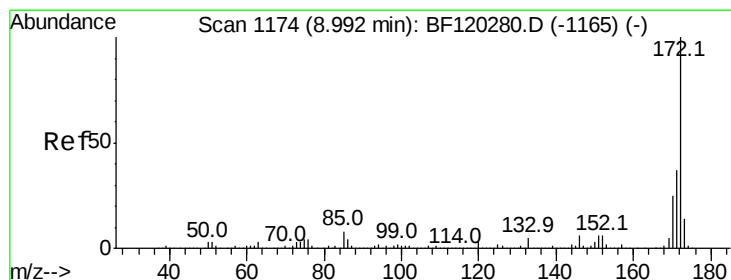
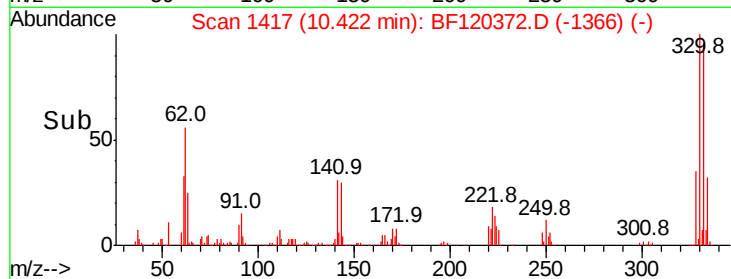
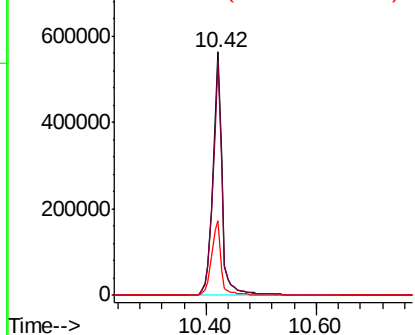
#42  
 2,4,6-Tribromophenol  
 Concen: 129.160 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: BF120372.D  
 Acq: 20 May 2020 16:25

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BUS-WASH-SLUDGE-PIT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 76.5  | 114.7 |
| 141     | 31.9  | 25.4  | 38.0  |

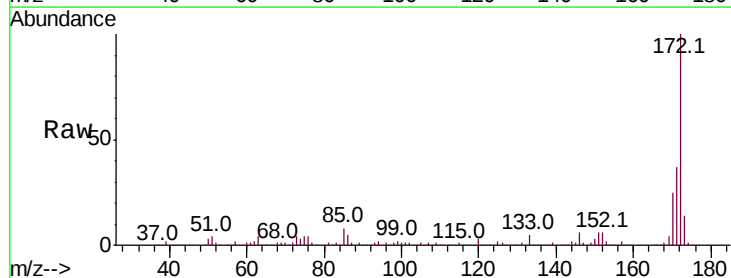


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

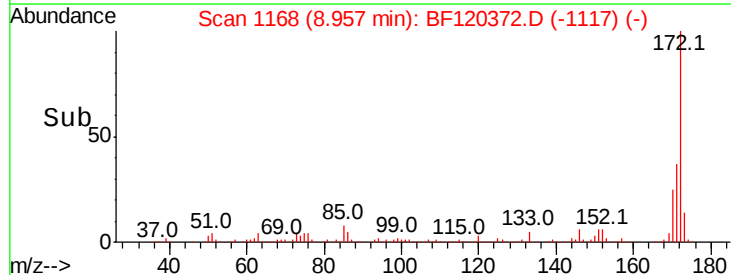
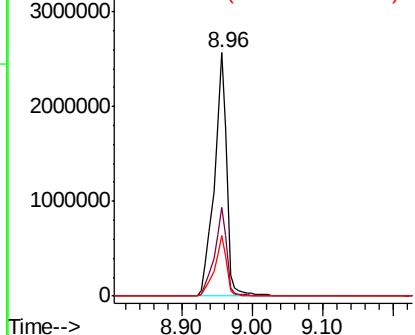


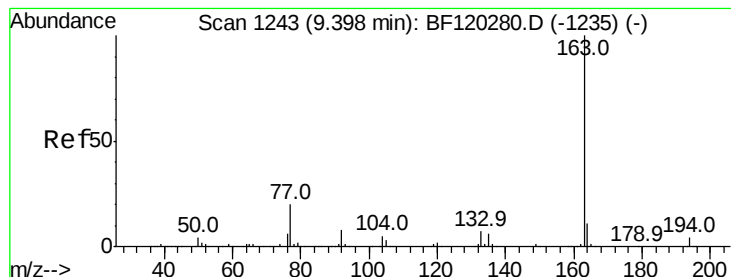
#45  
 2-Fluorobiphenyl  
 Concen: 104.902 ng  
 RT: 8.96 min Scan# 1168  
 Delta R.T. 0.00 min  
 Lab File: BF120372.D  
 Acq: 20 May 2020 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.7  | 44.5  |
| 170     | 25.0  | 19.9  | 29.9  |



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





#50

Dimethylphthalate

Concen: 3.430 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.02 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

Instrument :

BNA\_M

ClientSampleId :

BUS-WASH-SLUDGE-PIT

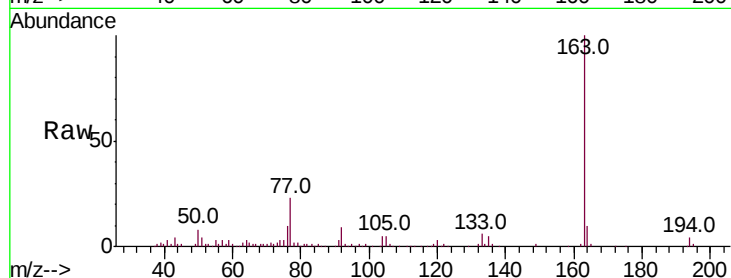
Tot Ion:163 Resp: 134981

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

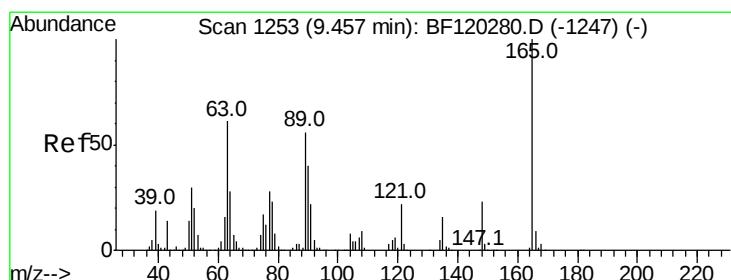
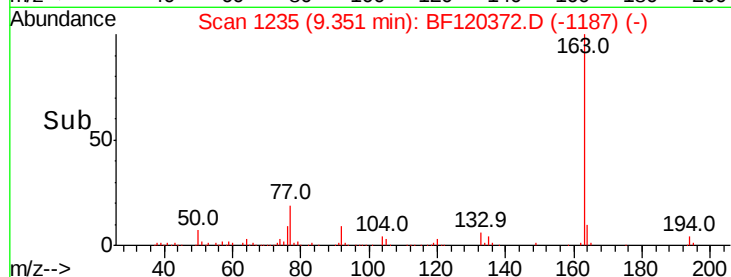
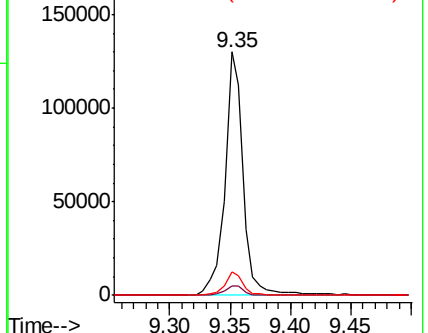
164 9.5 8.6 12.8



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



#51

2,6-Dinitrotoluene

Concen: 8.984 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.19 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

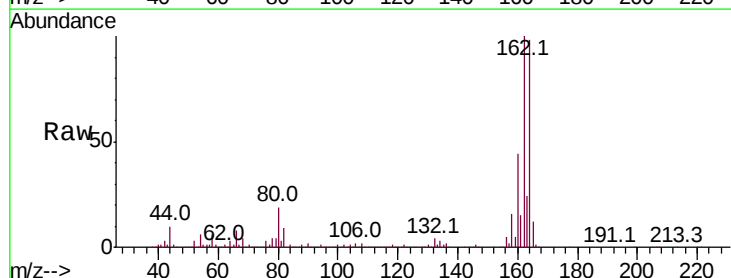
Tgt Ion:165 Resp: 78916

Ion Ratio Lower Upper

165 100

63 1.7 50.2 75.2#

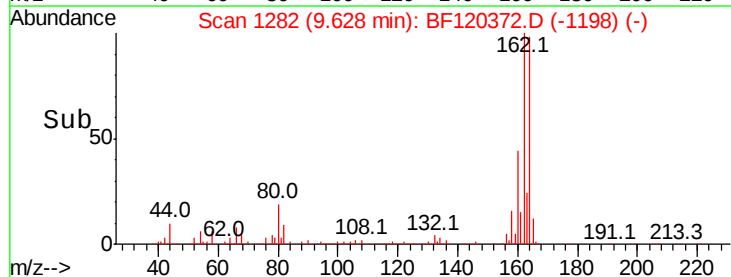
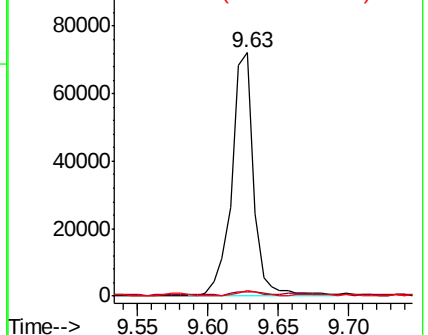
89 2.1 44.6 66.8#

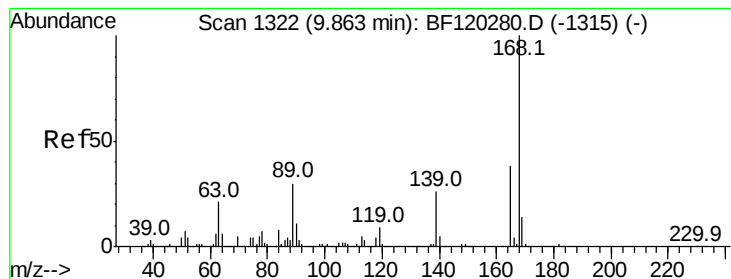


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 7.659 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.21 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

Instrument :

BNA\_M

ClientSampleId :

BUS-WASH-SLUDGE-PIT

Tot Ion:165 Resp: 78916

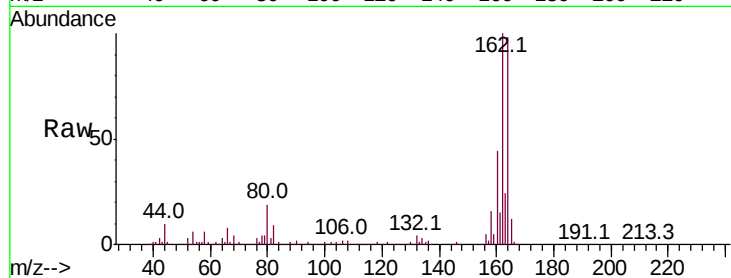
Ion Ratio Lower Upper

165 100

63 1.7 51.8 77.8#

89 2.1 64.2 96.4#

182 0.0 2.0 3.0#

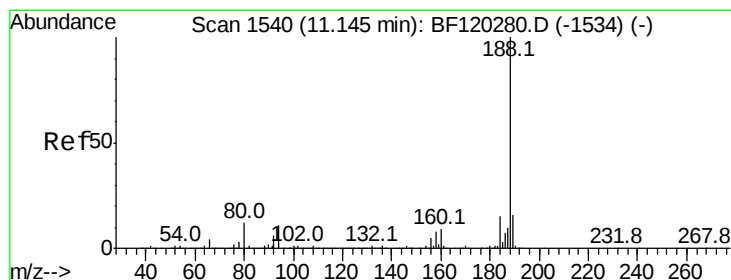
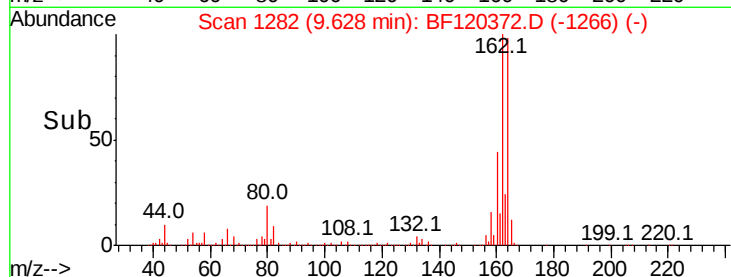
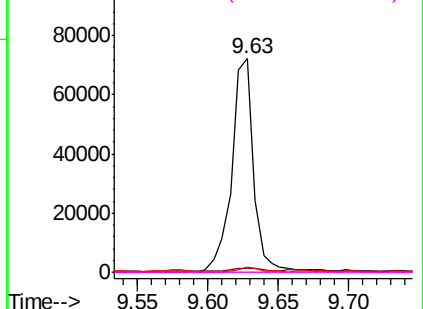


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1534

Delta R.T. 0.00 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

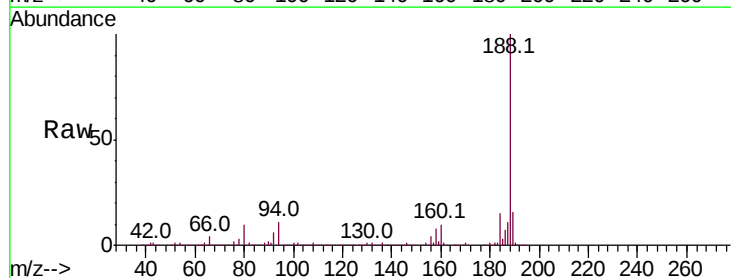
Tgt Ion:188 Resp: 1136882

Ion Ratio Lower Upper

188 100

94 10.5 8.6 13.0

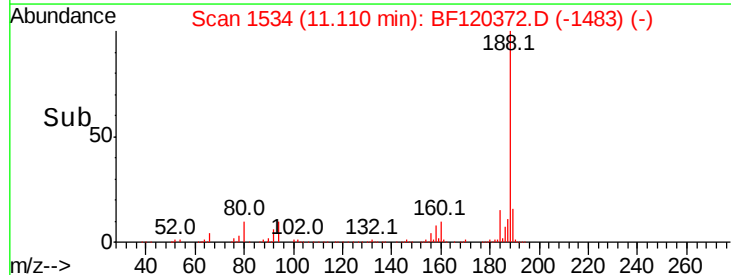
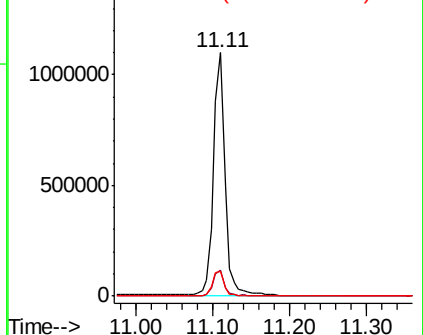
80 10.2 9.2 13.8

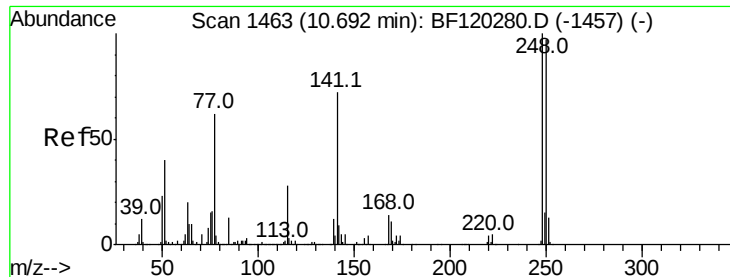


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

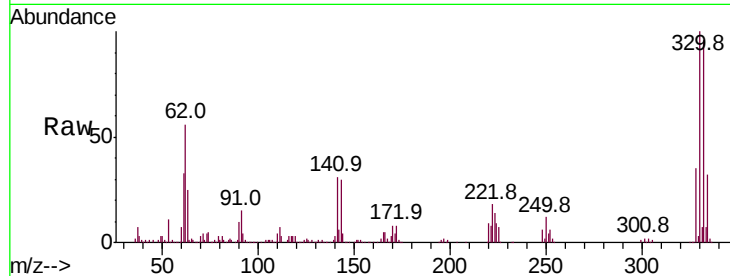




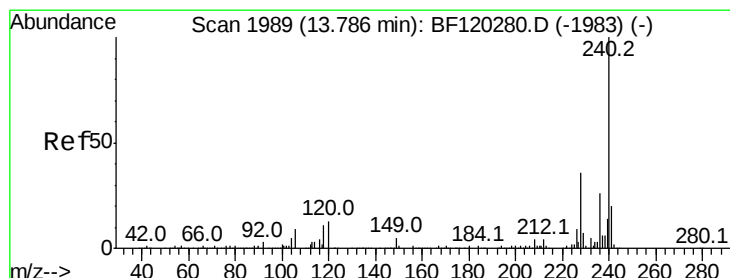
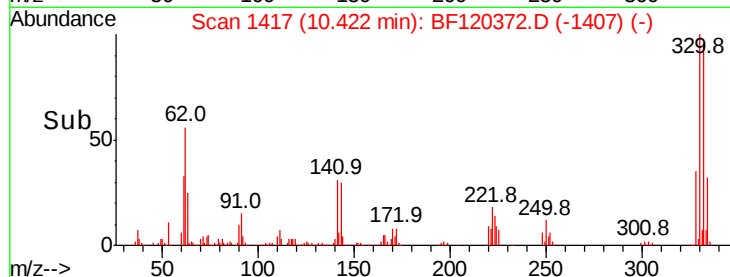
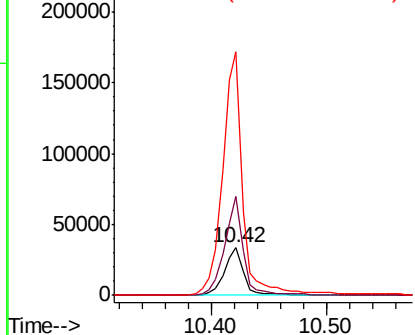
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.522 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.24 min  
 Lab File: BF120372.D  
 Acq: 20 May 2020 16:25

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BUS-WASH-SLUDGE-PIT

Tot Ion:248 Resp: 38853  
 Ion Ratio Lower Upper  
 248 100  
 250 209.2 77.8 116.6#  
 141 515.5 57.7 86.5#

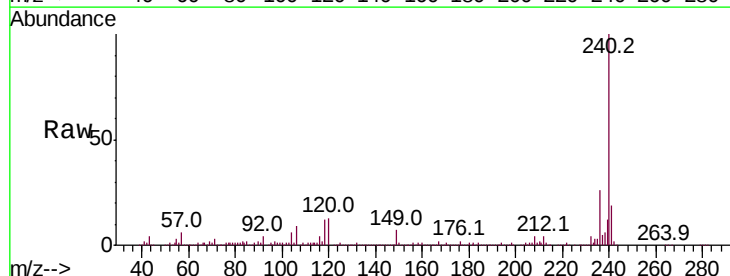


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

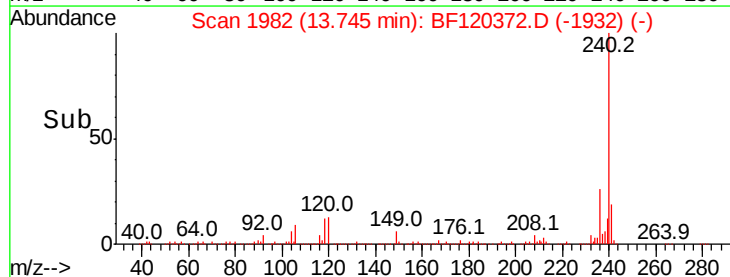
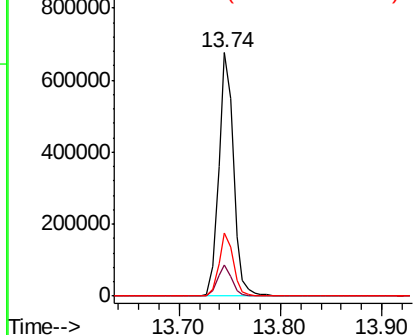


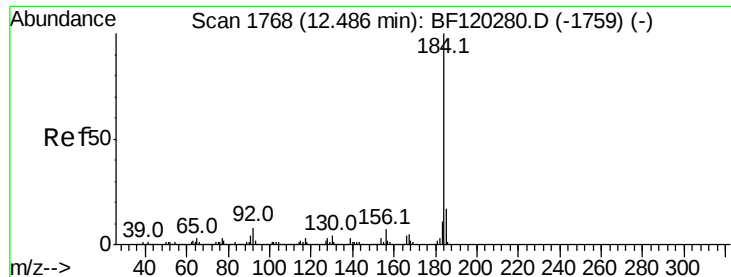
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.74 min Scan# 1982  
 Delta R.T. -0.01 min  
 Lab File: BF120372.D  
 Acq: 20 May 2020 16:25

Tgt Ion:240 Resp: 682435  
 Ion Ratio Lower Upper  
 240 100  
 120 13.0 10.4 15.6  
 236 25.7 21.0 31.6



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





#77

Benzidine

Concen: 31.902 ng

RT: 12.30 min Scan# 1737

Delta R.T. -0.15 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

Instrument :

BNA\_M

ClientSampleId :

BUS-WASH-SLUDGE-PIT

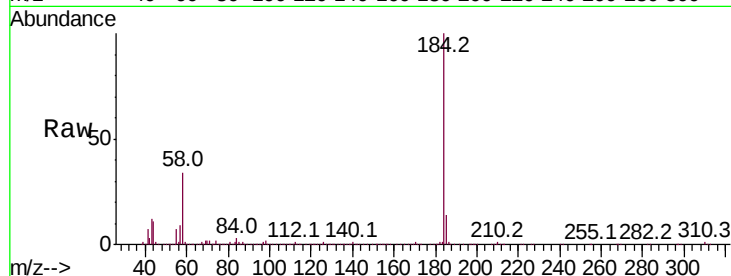
Tot Ion:184 Resp: 635754

Ion Ratio Lower Upper

184 100

185 14.2 13.7 20.5

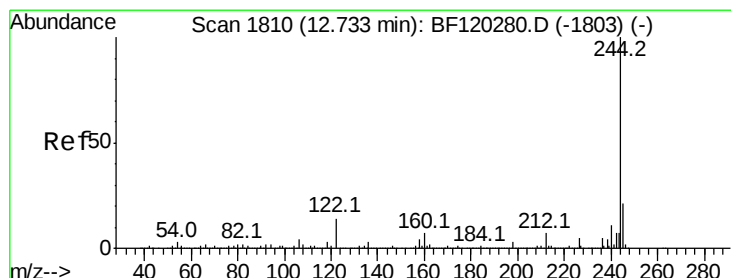
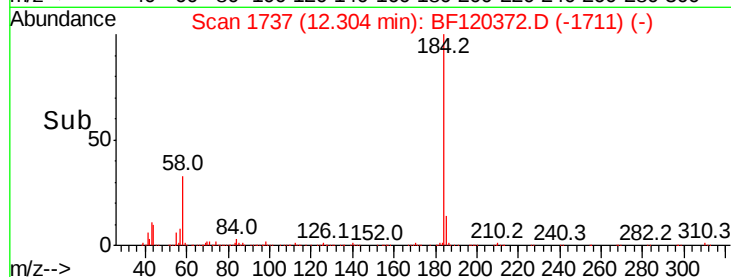
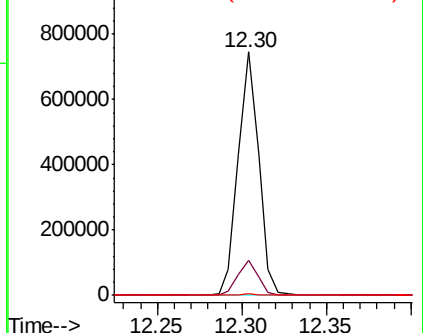
183 0.6 8.7 13.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 97.145 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

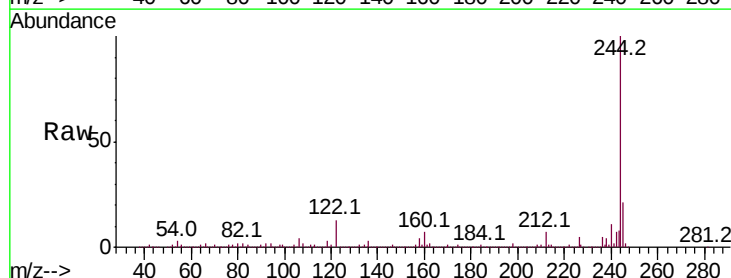
Tgt Ion:244 Resp: 3000860

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

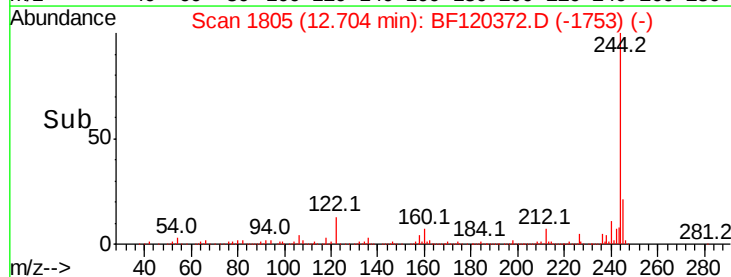
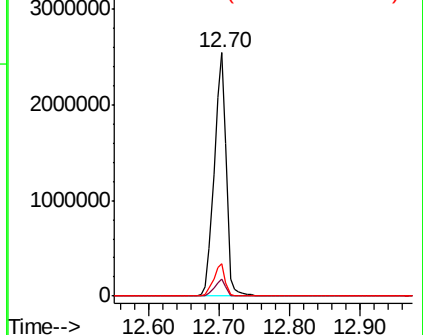
122 13.3 10.8 16.2

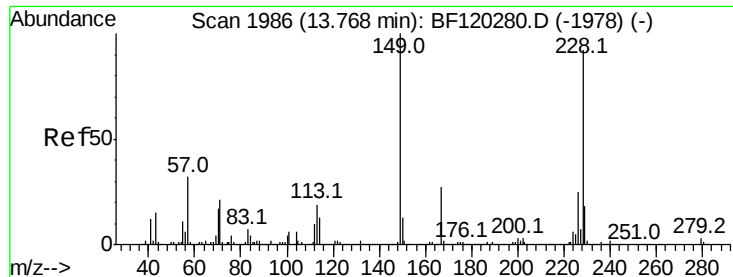


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.280 ng

RT: 13.74 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

Instrument :

BNA\_M

ClientSampleId :

BUS-WASH-SLUDGE-PIT

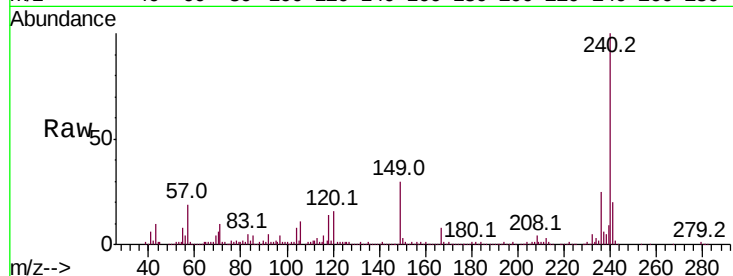
Tot Ion:149 Resp: 93500

Ion Ratio Lower Upper

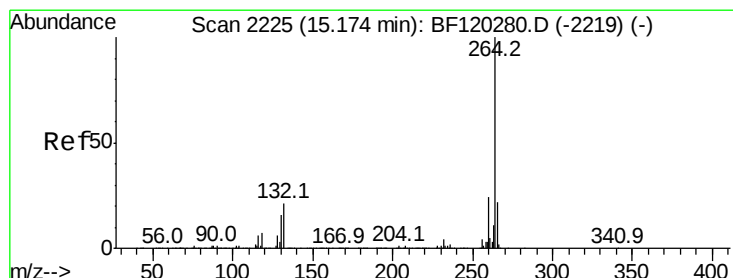
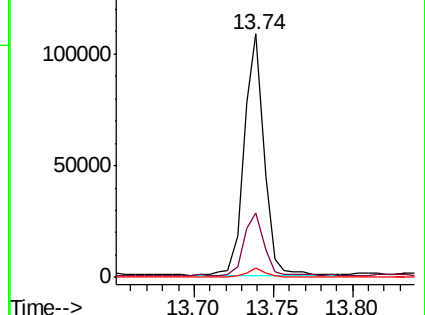
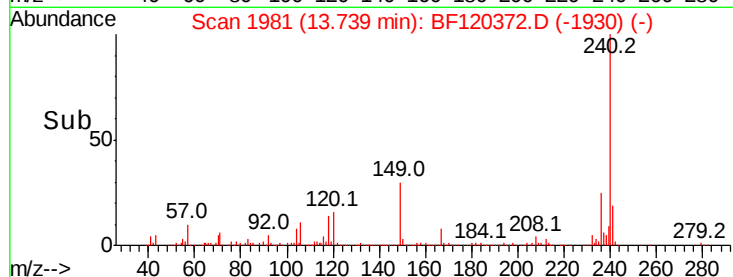
149 100

167 26.7 21.8 32.8

279 3.8 2.8 4.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF120372.D

Acq: 20 May 2020 16:25

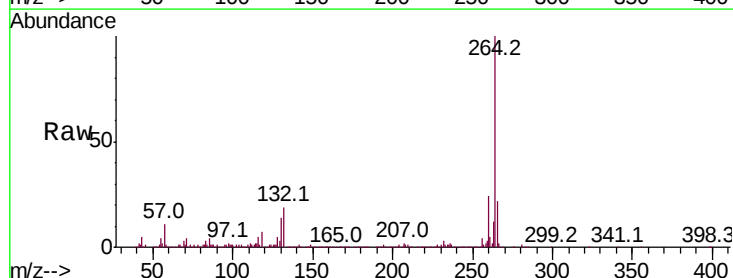
Tgt Ion:264 Resp: 513534

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.5 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

