

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\  
 Data File : BF119455.D  
 Acq On : 19 Mar 2020 23:21  
 Operator : CG/JU  
 Sample : L1980-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHASSIS-WASH-SLUDGE-PIT

Manual Integrations  
 APPROVED

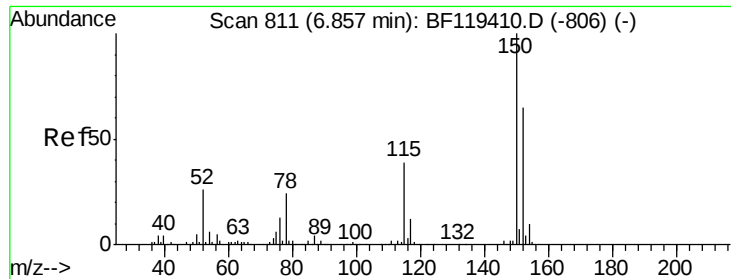
mohammad  
 3/20/2020 11:47:30 AM

Quant Time: Mar 20 07:11:04 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 336290   | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 1244400  | 20.00   | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.89  | 164  | 597518   | 20.00   | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.38 | 188  | 937118   | 20.00   | ng    | -0.01    |
| 76) Chrysene-d12               | 14.03 | 240  | 563130   | 20.00   | ng    | 0.00     |
| 87) Perylene-d12               | 15.50 | 264  | 617288   | 20.00   | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |         |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 2507284  | 118.69  | ng    | 0.02     |
| 7) Phenol-d6                   | 6.48  | 99   | 3020533  | 111.93  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 2087487  | 91.17   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.69 | 330  | 766689   | 124.37  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.22  | 172  | 3507159  | 86.96   | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.97 | 244  | 2891038  | 100.58  | ng    | 0.00     |
| Target Compounds               |       |      |          |         |       |          |
| 9) Benzaldehyde                | 6.40  | 77   | 47231    | 2.759   | ng    | 96       |
| 10) Phenol                     | 6.49  | 94   | 133957   | 4.652   | ng    | # 53     |
| 15) Benzyl Alcohol             | 7.04  | 79   | 8895188  | 438.204 | ng    | 97       |
| 20) 3+4-Methylphenols          | 7.25  | 107  | 91085m   | 3.656   | ng    |          |
| 32) Benzoic acid               | 7.98  | 122  | 2016424  | 157.349 | ng    | 97       |
| 50) Dimethylphthalate          | 9.60  | 163  | 143483   | 3.381   | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 343812   | 15.430  | ng    | 100      |

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





#1

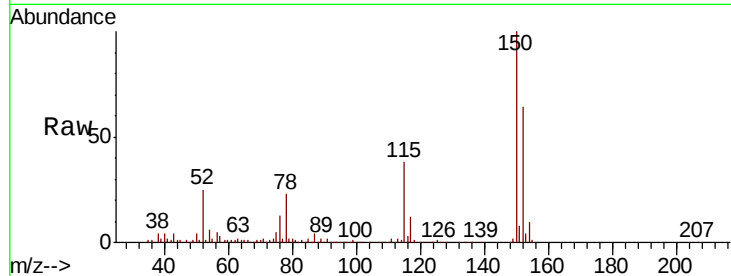
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

Instrument :  
BNA\_F  
ClientSampleId :  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 123.9 | 185.9 |
| 115     | 59.3  | 47.8  | 71.6  |

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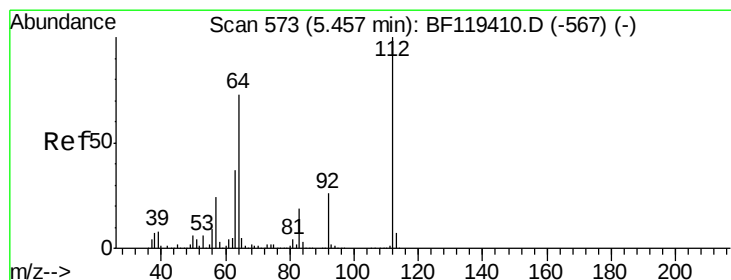
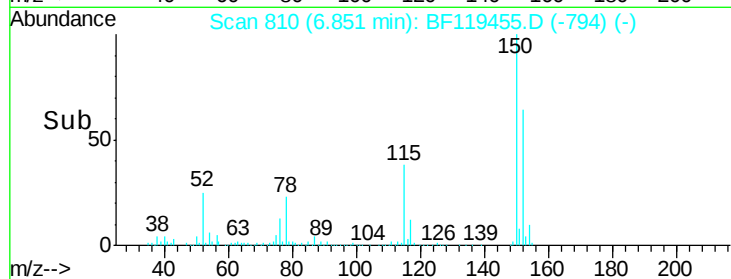
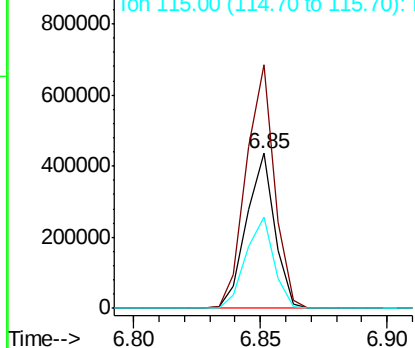


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

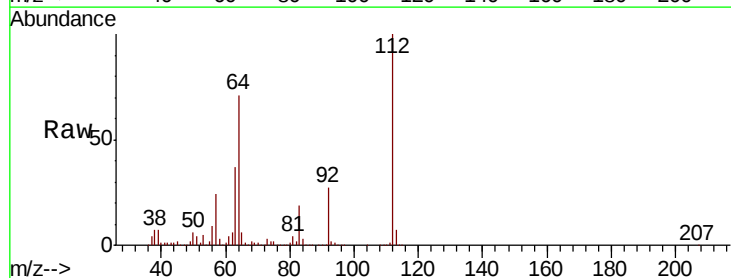
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 118.688 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.02 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.0  | 58.1  | 87.1  |
| 63      | 37.0  | 29.7  | 44.5  |

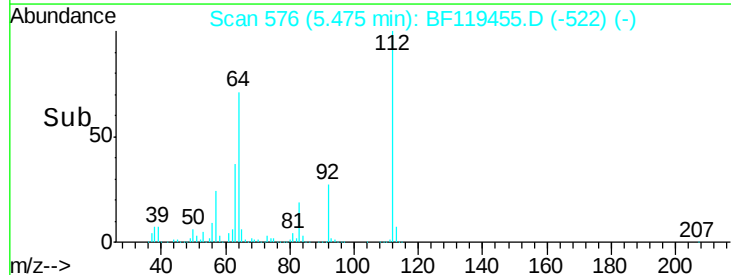
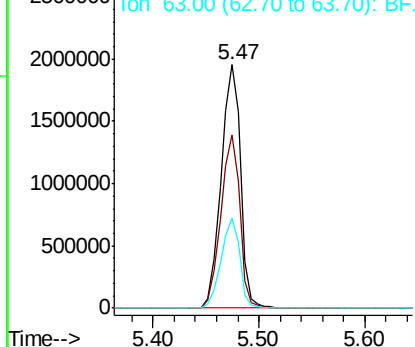


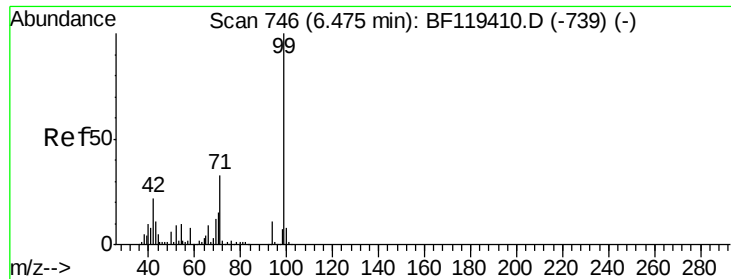
Abundance

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: 111.931 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA\_F

ClientSampleId :

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Tot Ion: 99 Resp: 3020533

Ion Ratio Lower Upper

99 100

42 20.5 17.8 26.6

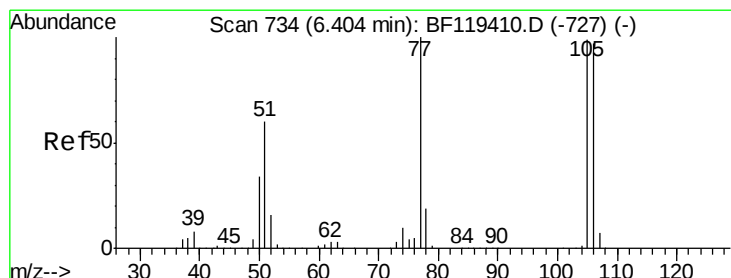
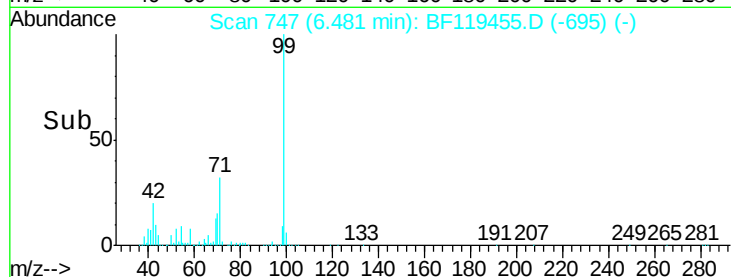
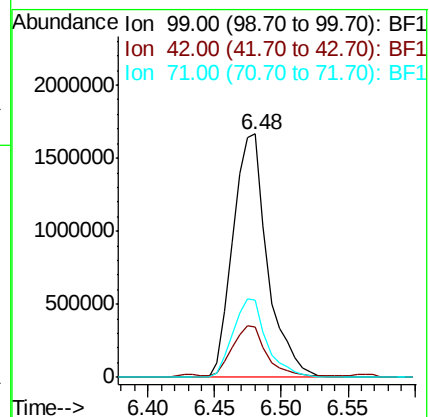
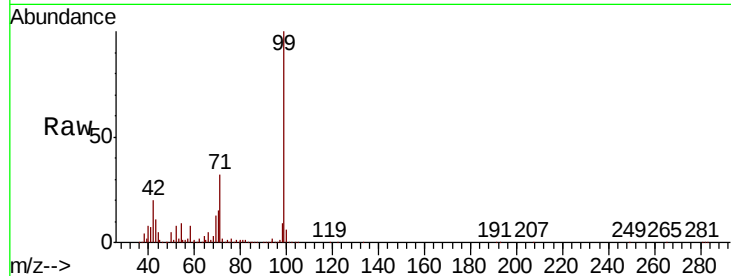
71 31.8 26.0 39.0

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#9

Benzaldehyde

Concen: 2.759 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119455.D

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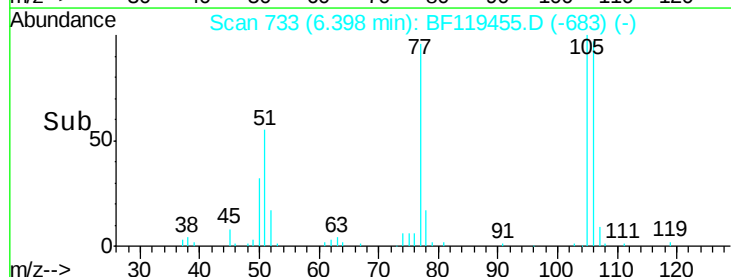
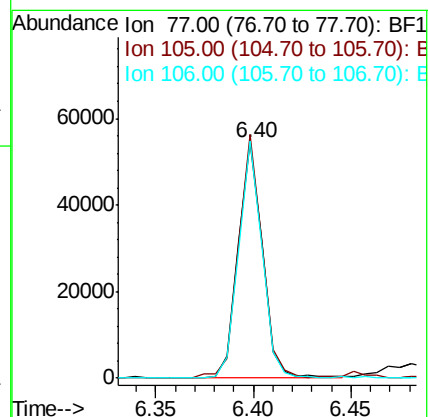
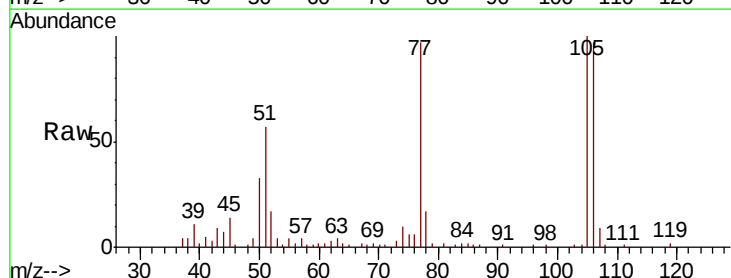
Tgt Ion: 77 Resp: 47231

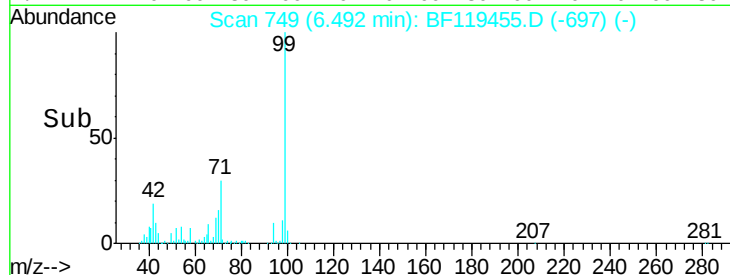
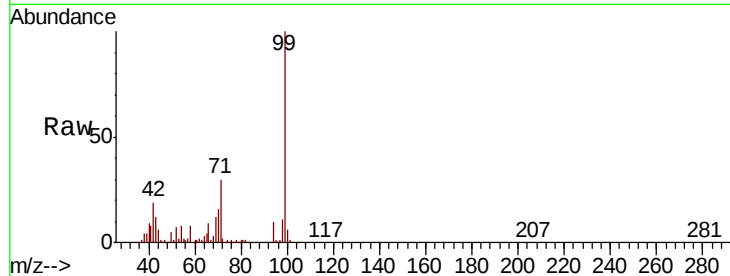
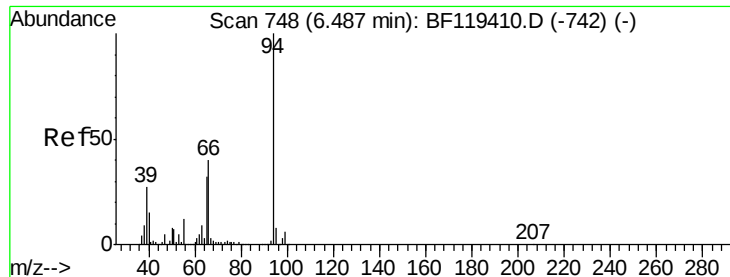
Ion Ratio Lower Upper

77 100

105 103.2 78.6 118.6

106 100.4 76.5 116.5





#10

Phenol

Concen: 4.652 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 94    | Resp: | 133957 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 40.2  | 12.0  | 52.0   |
| 66        | 86.0  | 20.6  | 60.6#  |

Instrument :

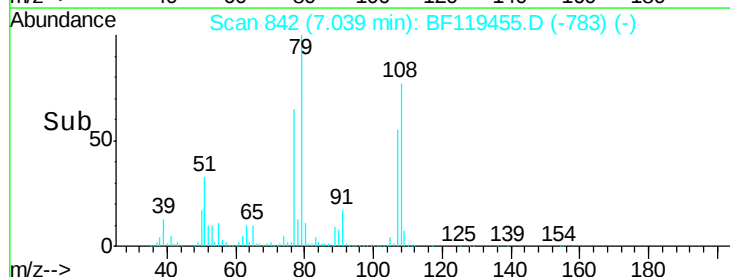
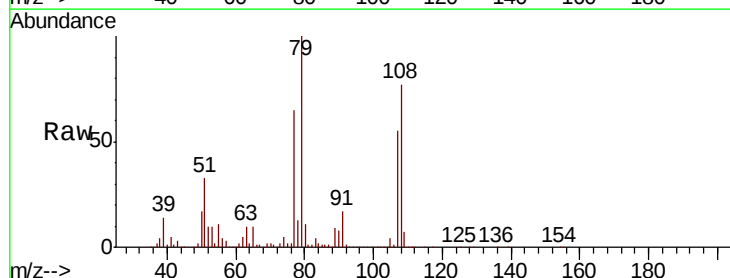
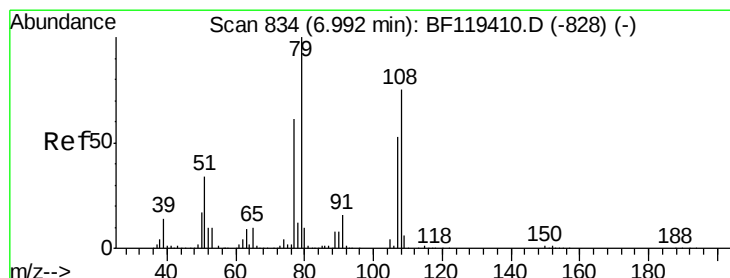
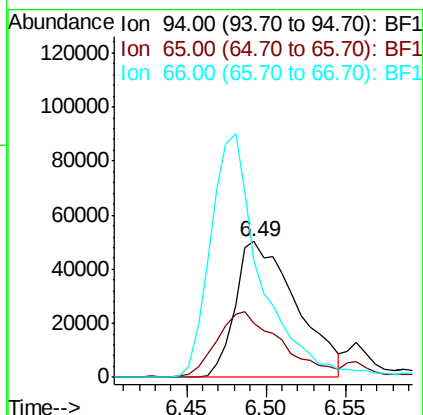
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#15

Benzyl Alcohol

Concen: 438.204 ng

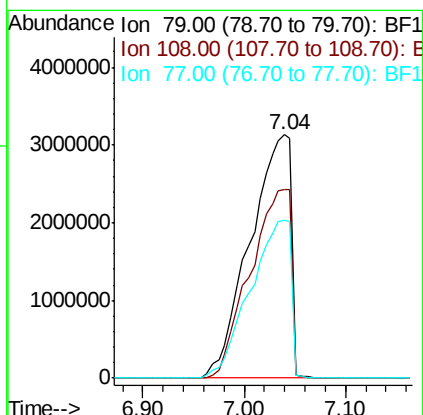
RT: 7.04 min Scan# 842

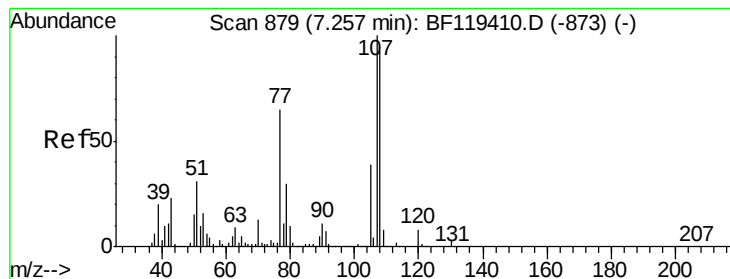
Delta R.T. 0.05 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 79    | Resp: | 8895188 |
| Ion Ratio | Lower | Upper |         |
| 79        | 100   |       |         |
| 108       | 77.3  | 60.4  | 90.6    |
| 77        | 65.0  | 49.0  | 73.4    |





#20

3+4-Methylphenols

Concen: 3.656 ng m

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA\_F

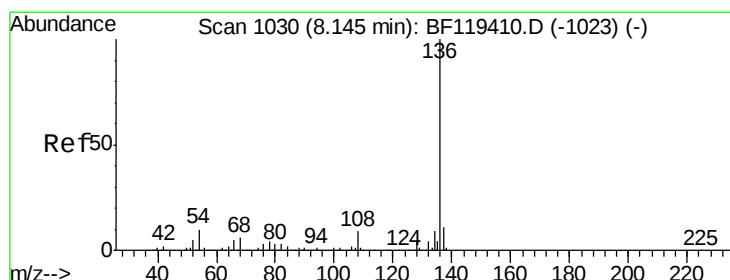
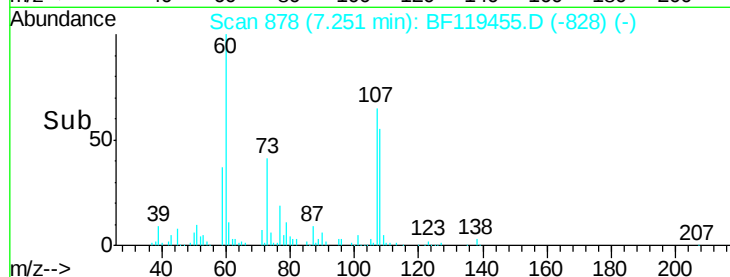
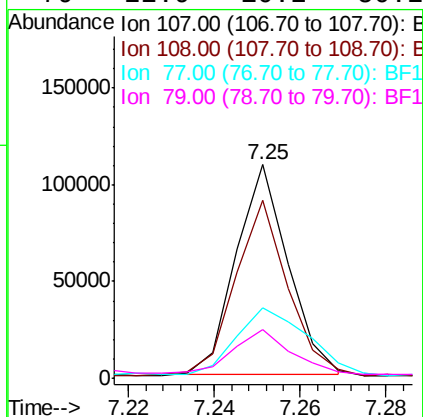
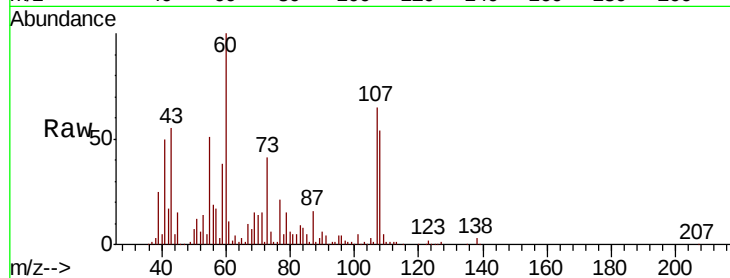
ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 107   | Resp: | 91085 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 83.4  | 72.6  | 112.6 |
| 77        | 32.9  | 44.7  | 84.7  |
| 79        | 22.9  | 10.2  | 50.2  |

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#21

Naphthalene-d8

Concen: 20.000 ng

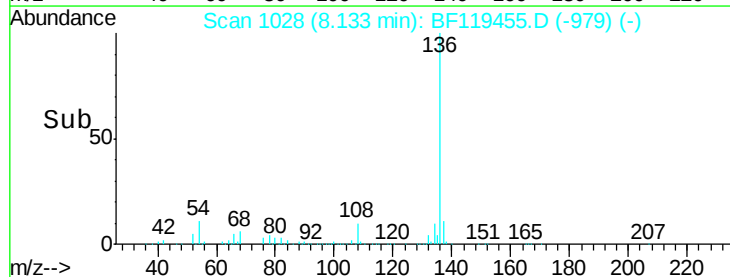
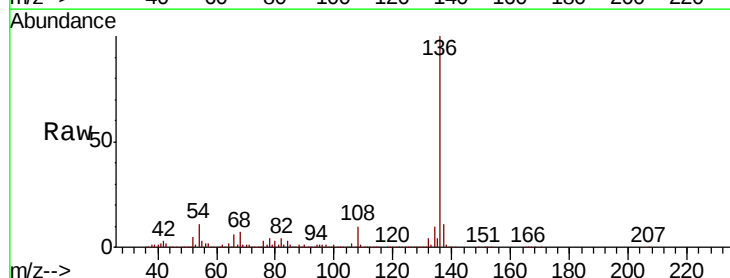
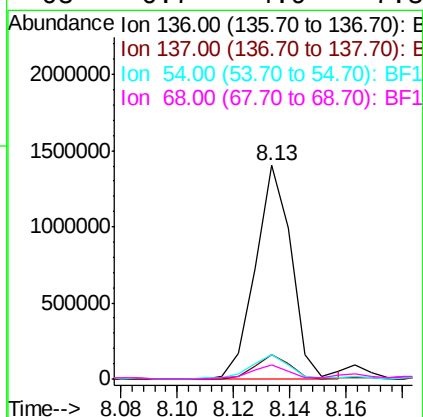
RT: 8.13 min Scan# 1028

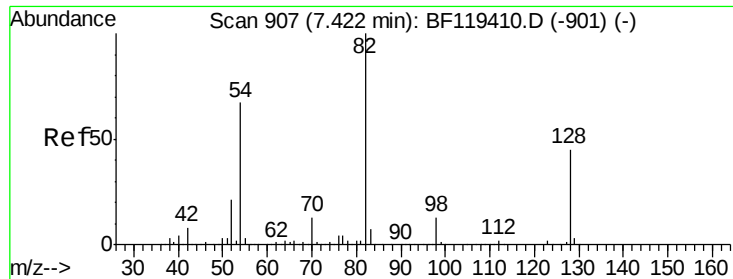
Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 136   | Resp: | 1244400 |
| Ion Ratio | Lower | Upper |         |
| 136       | 100   |       |         |
| 137       | 11.2  | 8.4   | 12.6    |
| 54        | 11.2  | 8.3   | 12.5    |
| 68        | 6.7   | 4.9   | 7.3     |





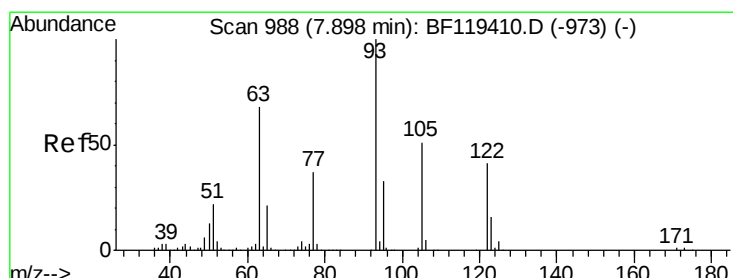
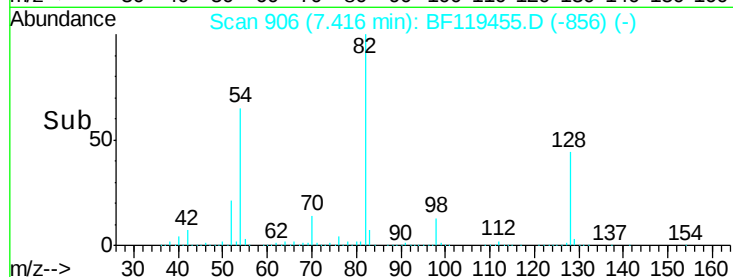
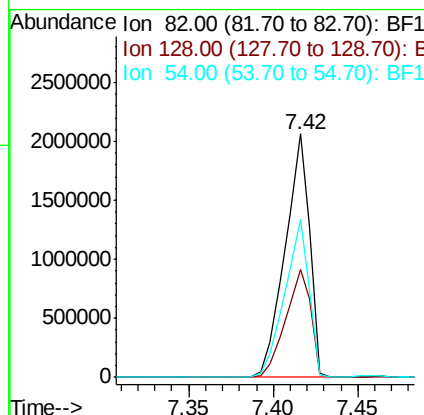
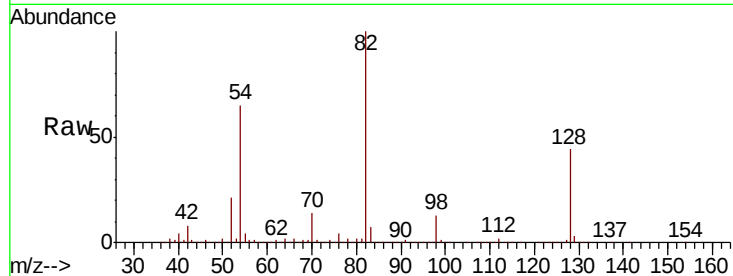
#23  
Nitrobenzene-d5  
Concen: 91.169 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

Instrument :  
BNA\_F  
ClientSampleId :  
CHASSIS-WASH-SLUDGE-PIT

Tot Ion: 82 Resp: 2087487  
Ion Ratio Lower Upper  
82 100  
128 44.1 35.8 53.8  
54 64.9 53.4 80.0

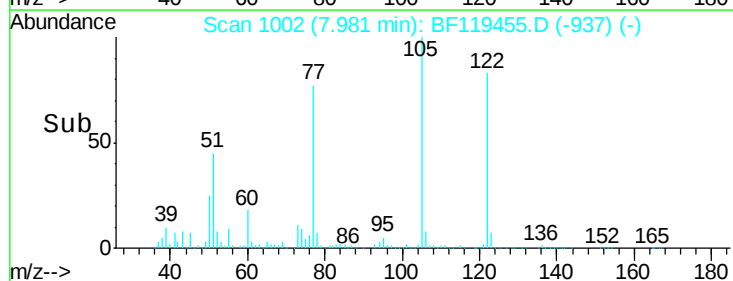
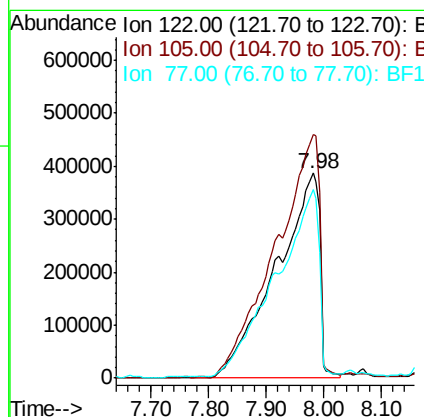
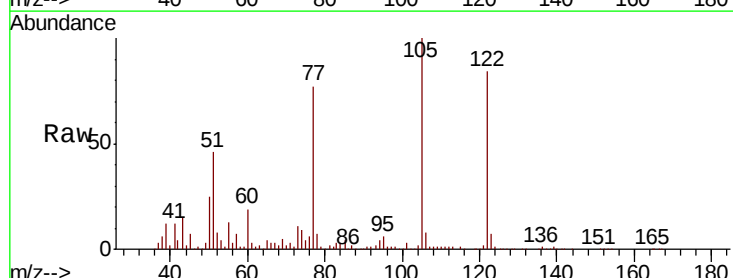
Manual Integrations  
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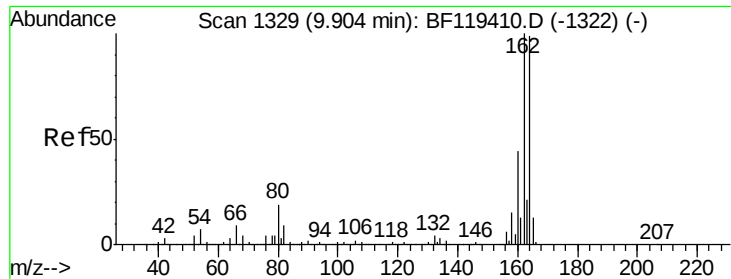
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3/20/2020 11:47:30 AM



#32  
Benzoic acid  
Concen: 157.349 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. 0.08 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

Tgt Ion: 122 Resp: 2016424  
Ion Ratio Lower Upper  
122 100  
105 119.0 102.9 142.9  
77 91.9 70.1 110.1





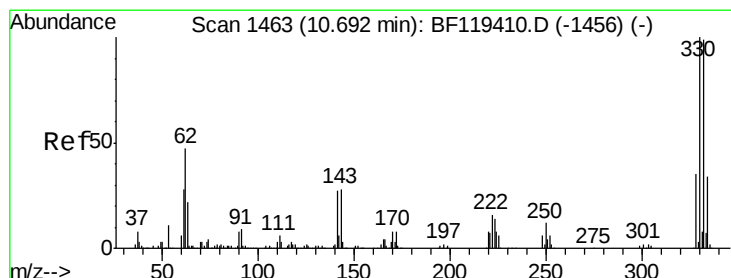
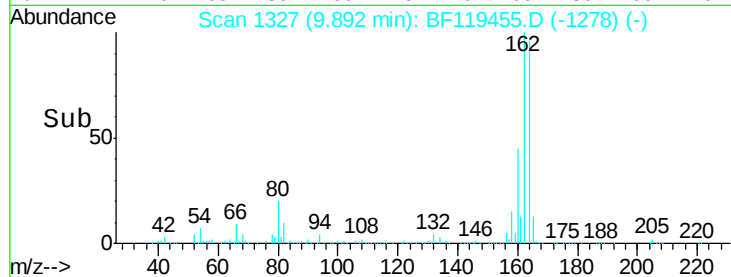
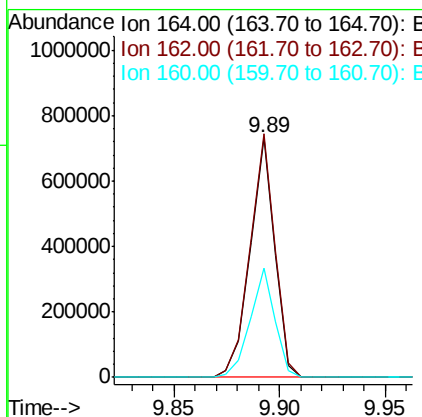
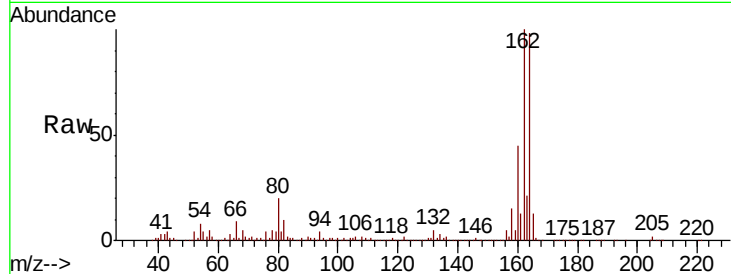
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

Instrument :  
BNA\_F  
ClientSampleId :  
CHASSIS-WASH-SLUDGE-PIT

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 101.6 | 80.7 | 121.1 |       |
| 160     | 45.8  | 35.5 | 53.3  |       |

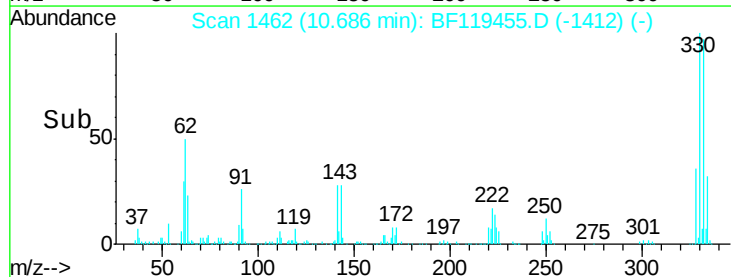
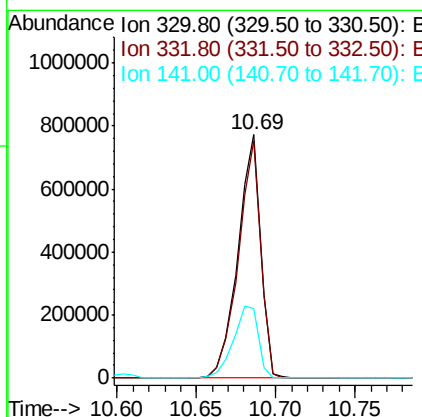
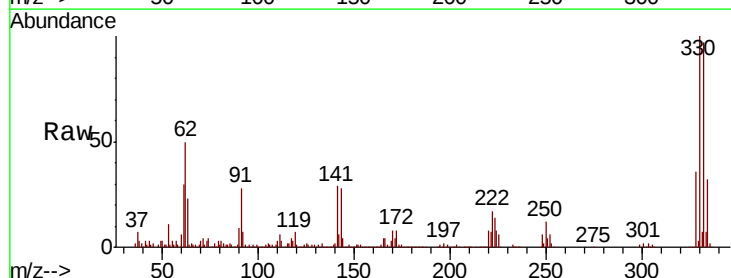
Manual Integrations  
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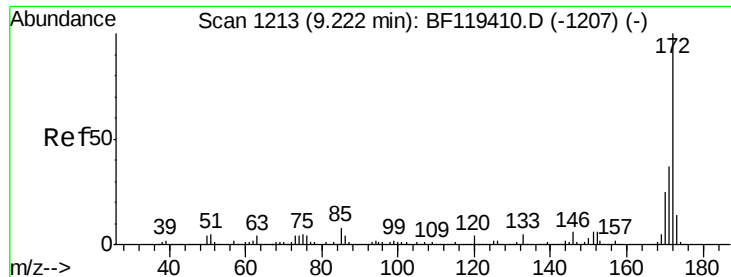
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3/20/2020 11:47:30 AM



#42  
2,4,6-Tribromophenol  
Concen: 124.374 ng  
RT: 10.69 min Scan# 1462  
Delta R.T. -0.01 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.0  | 77.6 | 116.4 |       |
| 141     | 32.3  | 26.6 | 40.0  |       |





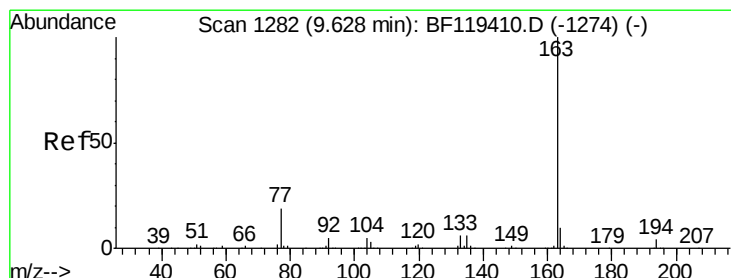
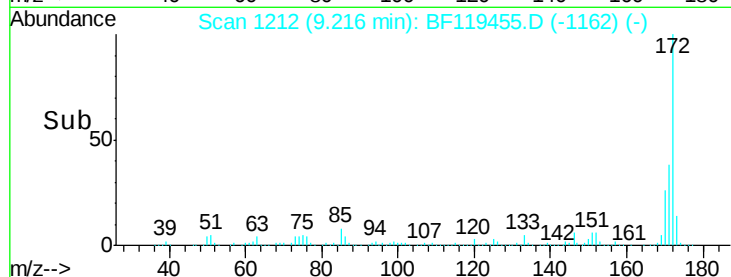
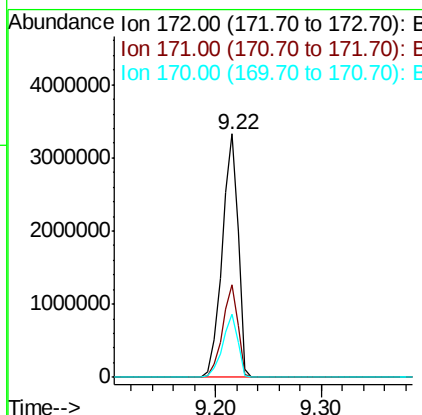
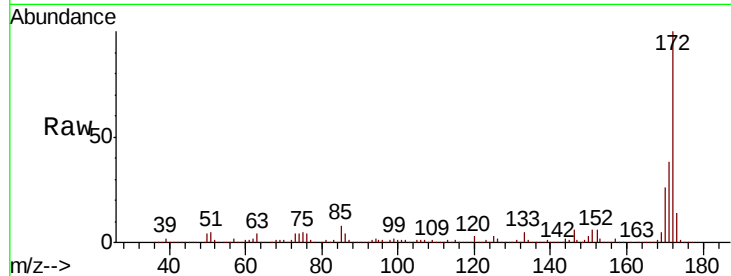
#45  
2-Fluorobiphenyl  
Concen: 86.956 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. -0.01 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

Instrument :  
BNA\_F  
ClientSampleId :  
CHASSIS-WASH-SLUDGE-PIT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 29.9  | 44.9  |
| 170     | 25.7  | 20.1  | 30.1  |

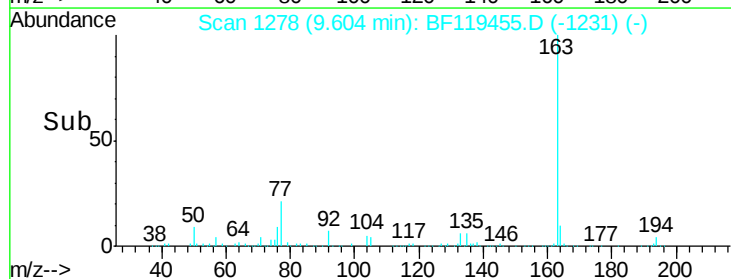
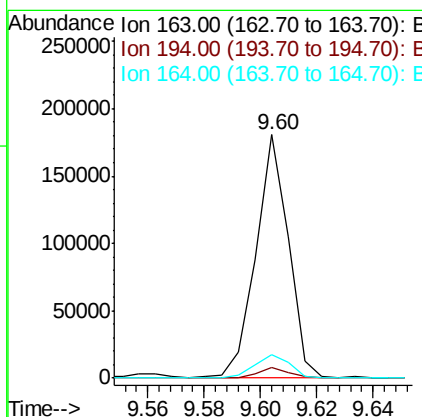
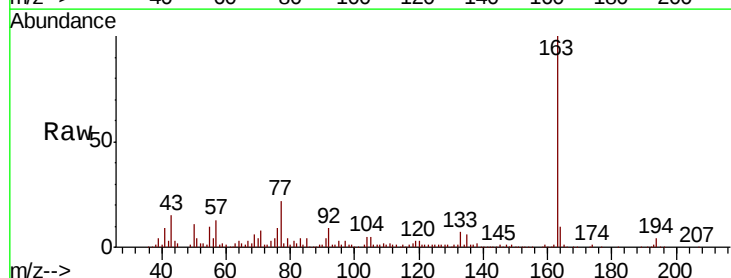
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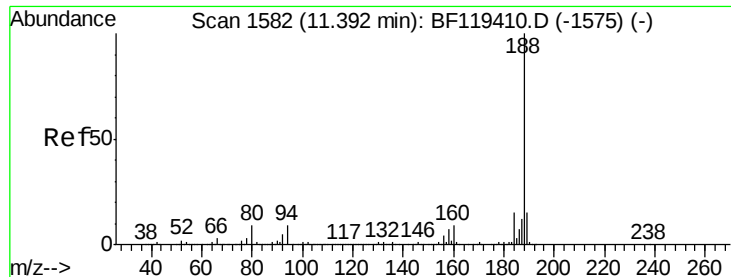
mohammad  
3/20/2020 11:47:30 AM



#50  
Dimethylphthalate  
Concen: 3.381 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.02 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.2   | 3.2   | 4.8   |
| 164     | 9.8   | 8.1   | 12.1  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

Instrument :

BNA\_F

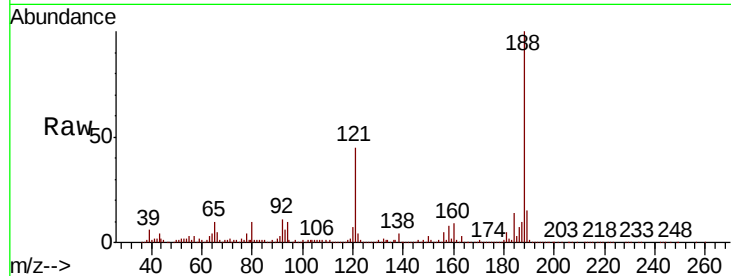
ClientSampleId :

CHASSIS-WASH-SLUDGE-PIT

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 937118 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.1  | 7.1   | 10.7   |
| 80        | 10.4  | 7.5   | 11.3   |

Manual Integrations  
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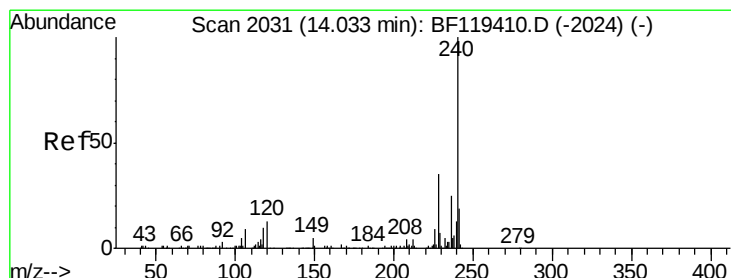
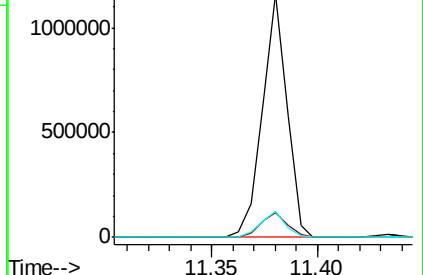
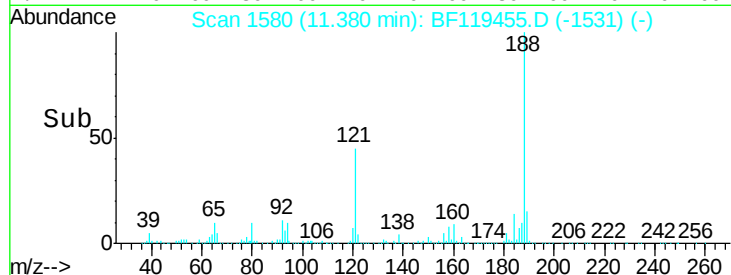
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

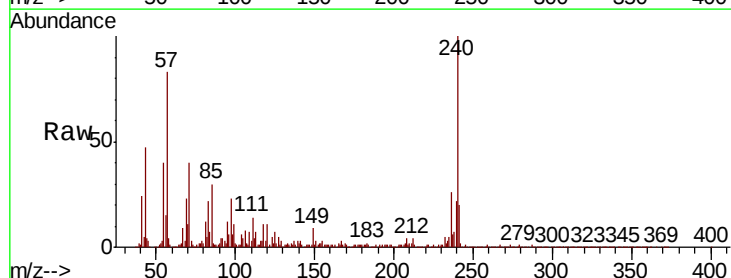
RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF119455.D

Acq: 19 Mar 2020 23:21

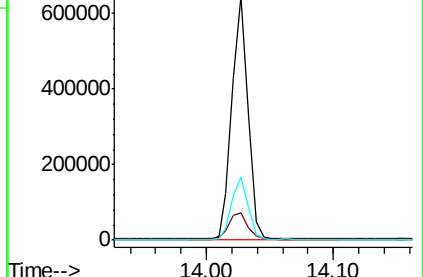
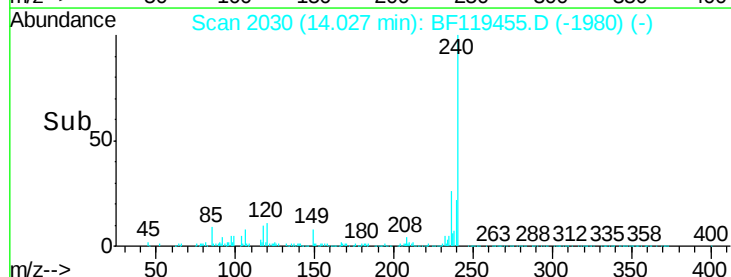
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 563130 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.4  | 10.2  | 15.4   |
| 236       | 25.9  | 20.4  | 30.6   |

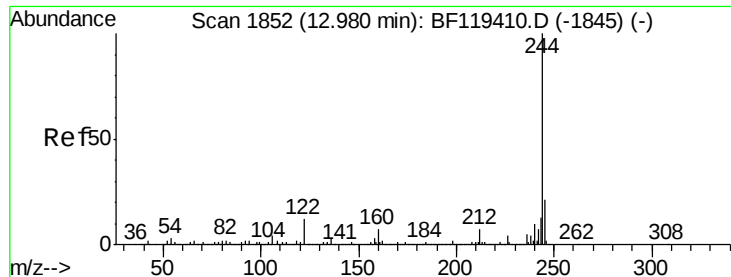


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





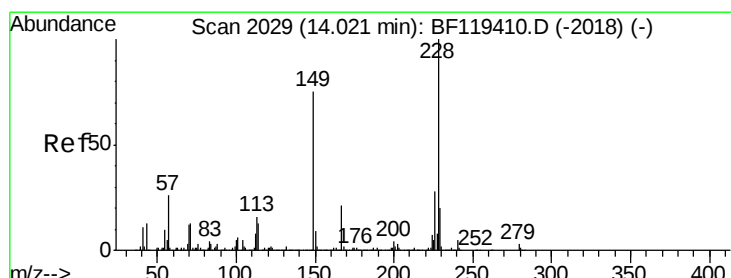
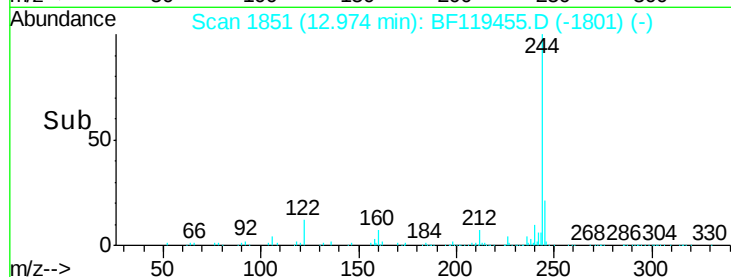
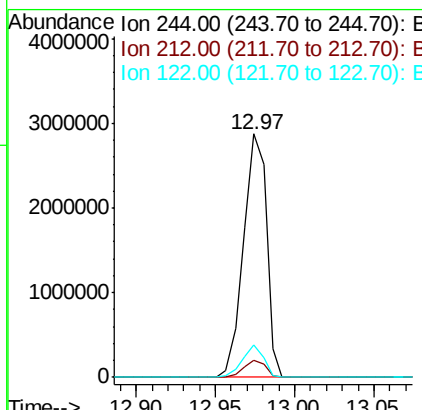
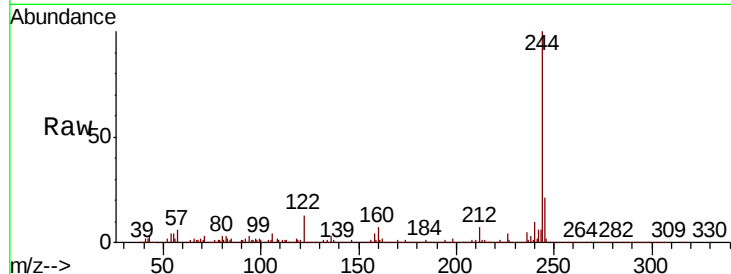
#79  
 Terphenyl-d14  
 Concen: 100.584 ng  
 RT: 12.97 min Scan# 1851  
 Delta R.T. -0.01 min  
 Lab File: BF119455.D  
 Acq: 19 Mar 2020 23:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHASSIS-WASH-SLUDGE-PIT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.7   | 8.5   |
| 122     | 13.1  | 9.8   | 14.8  |

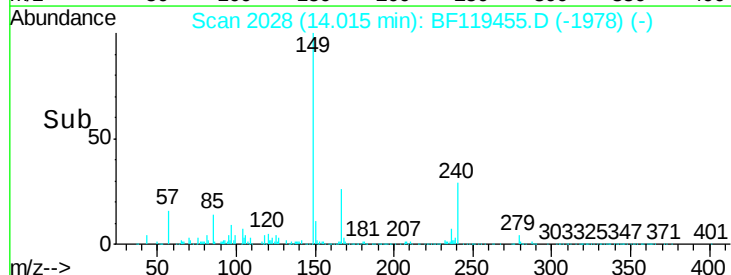
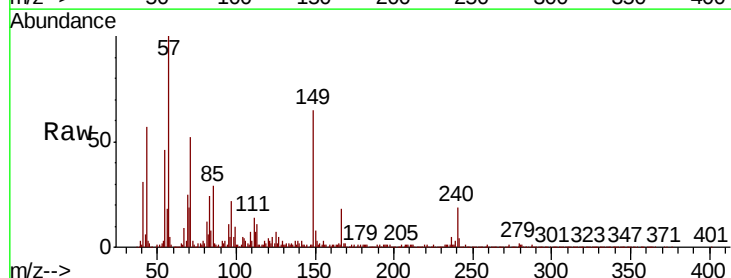
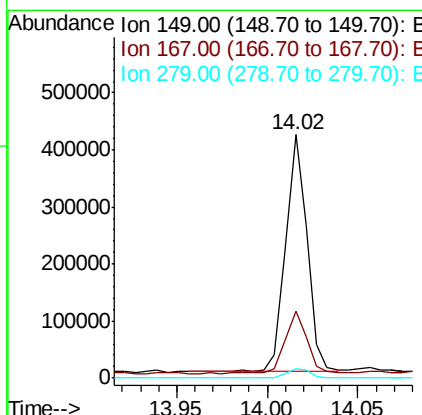
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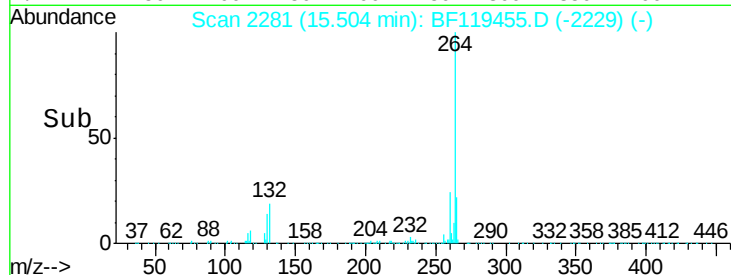
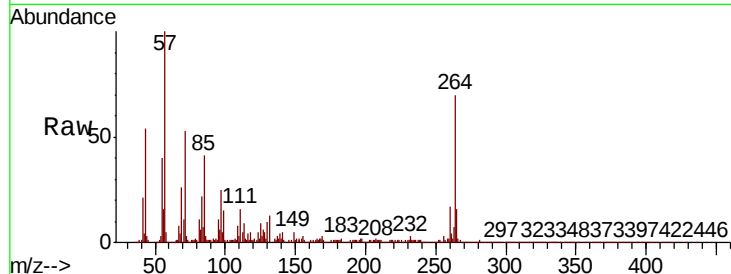
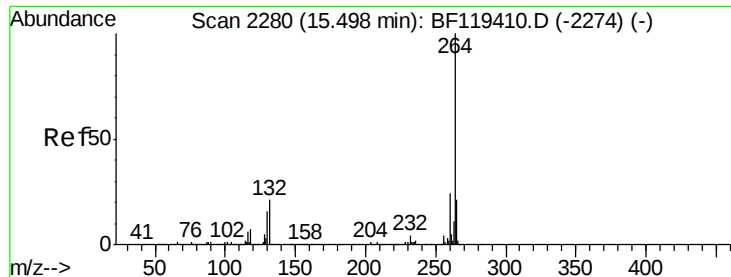
mohammad  
 3/20/2020 11:47:30 AM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 15.430 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.01 min  
 Lab File: BF119455.D  
 Acq: 19 Mar 2020 23:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.4  | 22.0  | 33.0  |
| 279     | 3.6   | 3.2   | 4.8   |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2281  
Delta R.T. 0.01 min  
Lab File: BF119455.D  
Acq: 19 Mar 2020 23:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 617288 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.6  | 19.2  | 28.8   |
| 265       | 22.2  | 16.9  | 25.3   |

Instrument :  
BNA\_F  
ClientSampleId :  
CHASSIS-WASH-SLUDGE-PIT

Manual Integrations  
APPROVED

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3/20/2020 11:47:30 AM

