

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\  
 Data File : BG045236.D  
 Acq On : 4 May 2020 16:31  
 Operator : CG/JU  
 Sample : L2479-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FK-0D015-03-014

Quant Time: May 04 17:07:59 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 04 13:03:14 2020  
 Response via : Initial Calibration

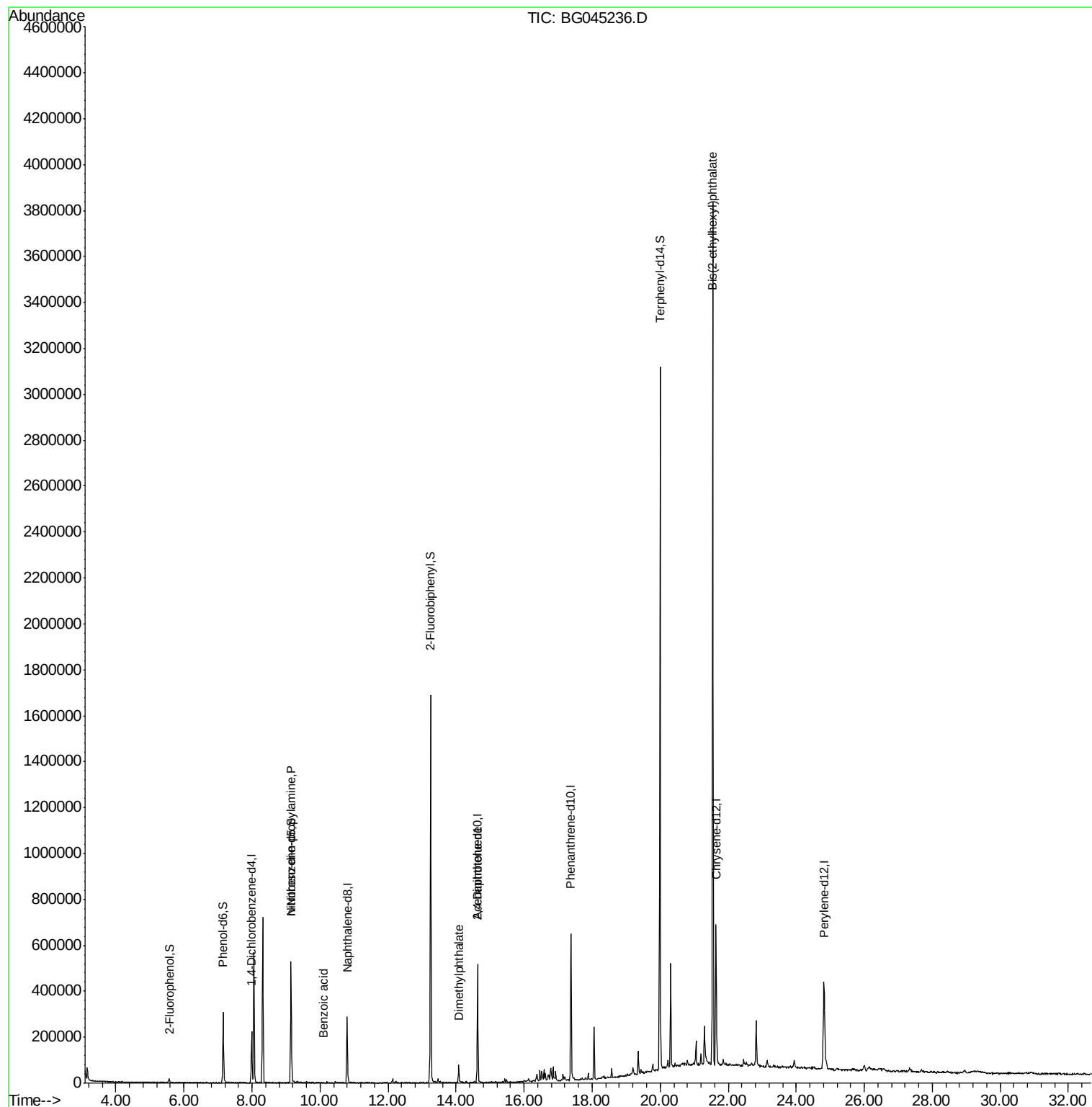
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.99  | 152  | 71306    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.80 | 136  | 264535   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.63 | 164  | 191603   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.37 | 188  | 448287   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 21.64 | 240  | 413531   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 24.82 | 264  | 469316   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 9285     | 2.15      | ng    | 0.00     |
| 7) Phenol-d6                   | 7.15  | 99   | 209186   | 32.60     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.14  | 82   | 380070   | 65.56     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.12 | 330  | 117      | 0.04      | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.25 | 172  | 923598   | 70.68     | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.99 | 244  | 1538439  | 81.09     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 7.13  | 77   | 1037     | Below Cal | #     | 64       |
| 19) n-Nitroso-di-n-propylamine | 9.14  | 70   | 52933    | 11.664 ng | #     | 83       |
| 32) Benzoic acid               | 10.12 | 122  | 60       | 6.390 ng  | #     | 1        |
| 50) Dimethylphthalate          | 14.08 | 163  | 53319    | 3.418 ng  | #     | 98       |
| 57) 2,4-Dinitrotoluene         | 14.63 | 165  | 24502    | 4.805 ng  | #     | 23       |
| 69) Atrazine                   | 16.52 | 200  | 53       | Below Cal | #     | 35       |
| 74) Di-n-butylphthalate        | 18.34 | 149  | 8803     | Below Cal |       | 99       |
| 75) Fluoranthene               | 19.44 | 202  | 7778     | Below Cal |       | 94       |
| 77) Benzidine                  | 19.99 | 184  | 28956    | Below Cal | #     | 92       |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149  | 1600615  | 98.482 ng |       | 97       |

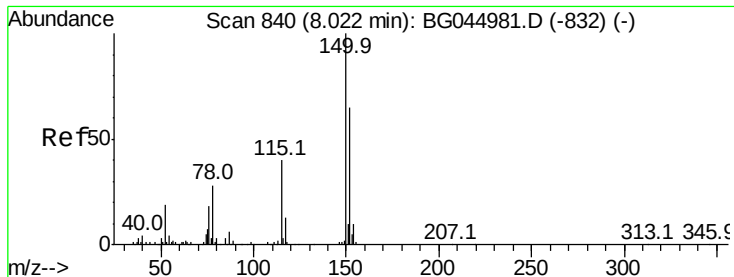
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\  
Data File : BG045236.D  
Acq On : 4 May 2020 16:31  
Operator : CG/JU  
Sample : L2479-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
FK-0D015-03-014

Quant Time: May 04 17:07:59 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon May 04 13:03:14 2020  
Response via : Initial Calibration



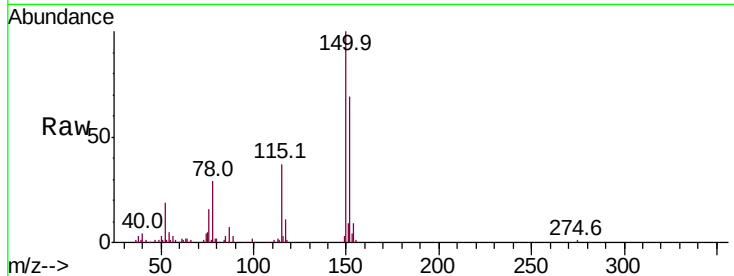


#1

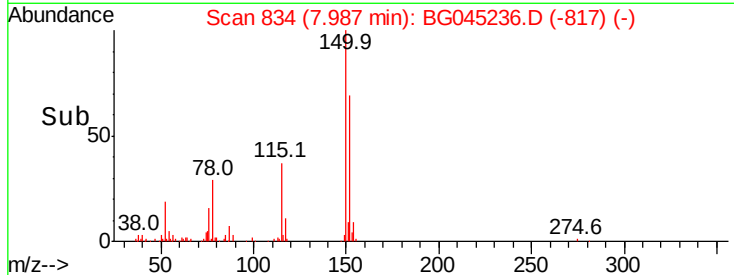
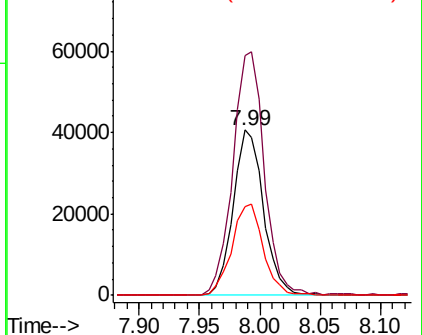
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BG045236.D  
Acq: 4 May 2020 16:31

Instrument :  
BNA\_G  
ClientSampleId :  
FK-0D015-03-014

Tot Ion:152 Resp: 71306  
Ion Ratio Lower Upper  
152 100  
150 145.4 123.6 185.4  
115 53.5 49.1 73.7



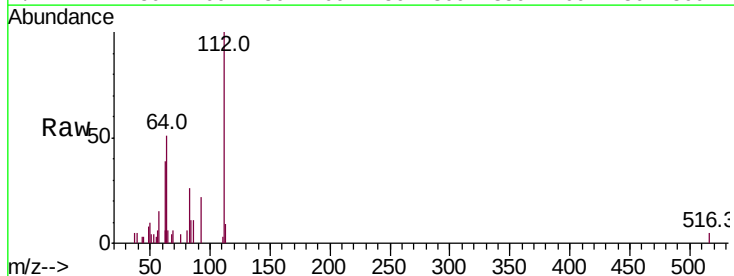
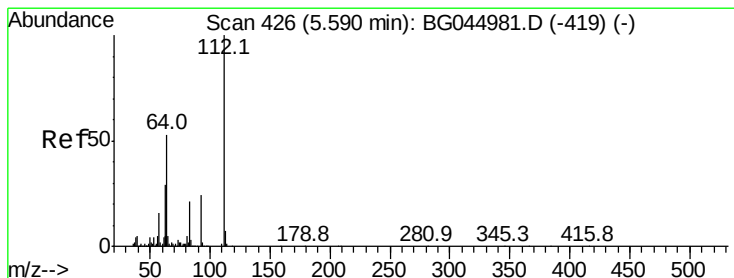
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



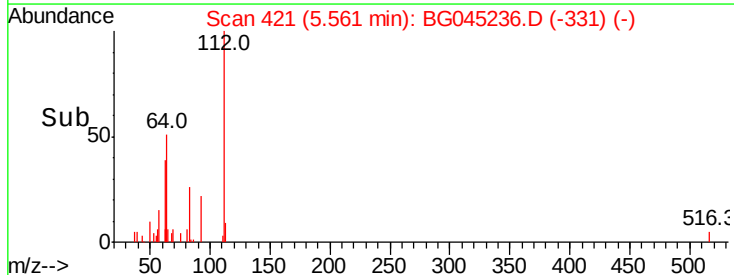
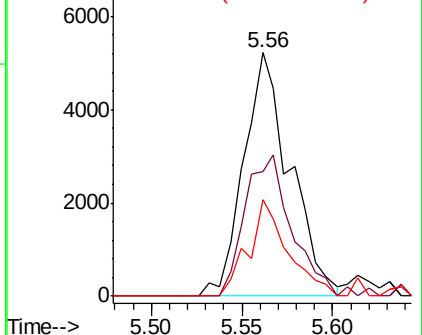
#5

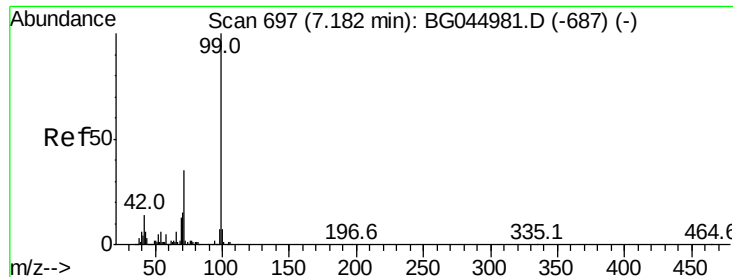
2-Fluorophenol  
Concen: 2.150 ng  
RT: 5.56 min Scan# 421  
Delta R.T. 0.00 min  
Lab File: BG045236.D  
Acq: 4 May 2020 16:31

Tgt Ion:112 Resp: 9285  
Ion Ratio Lower Upper  
112 100  
64 51.3 42.4 63.6  
63 39.5 23.1 34.7#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 32.598 ng

RT: 7.15 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Instrument :

BNA\_G

ClientSampleId :

FK-0D015-03-014

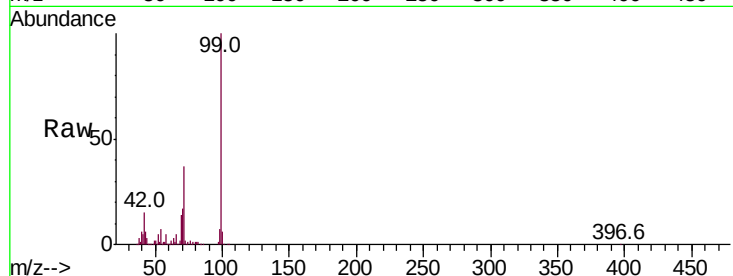
Tot Ion: 99 Resp: 209186

Ion Ratio Lower Upper

99 100

42 14.7 11.3 16.9

71 37.4 28.3 42.5

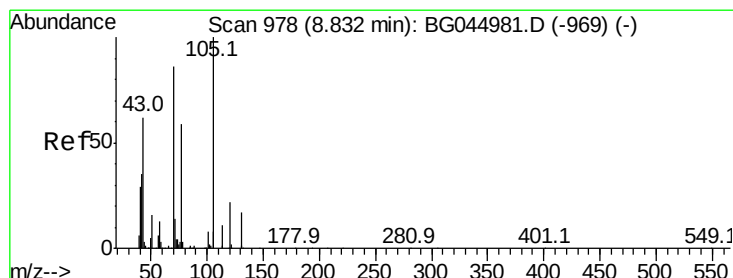
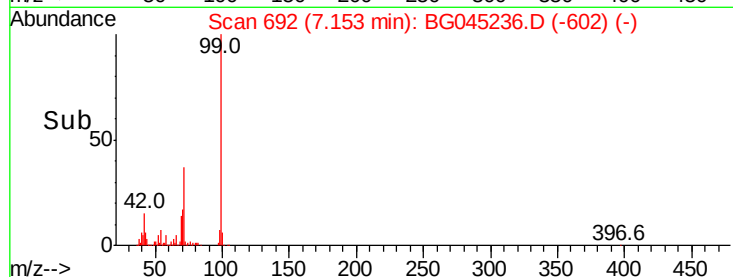
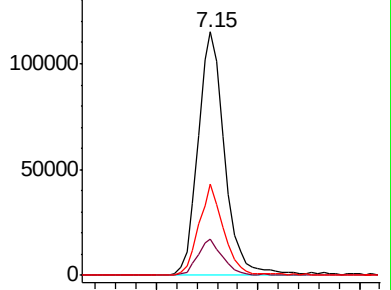


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 11.664 ng

RT: 9.14 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Tgt Ion: 70 Resp: 52933

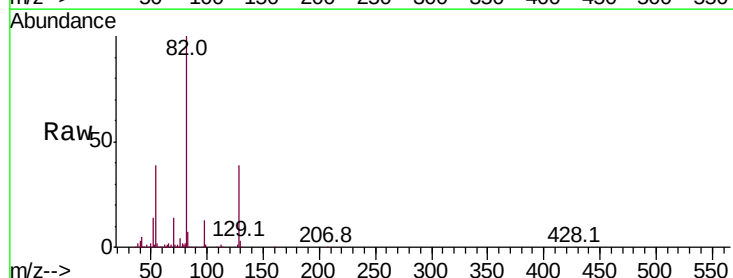
Ion Ratio Lower Upper

70 100

42 38.4 33.3 49.9

101 0.0 7.8 11.8#

130 3.3 15.8 23.6#



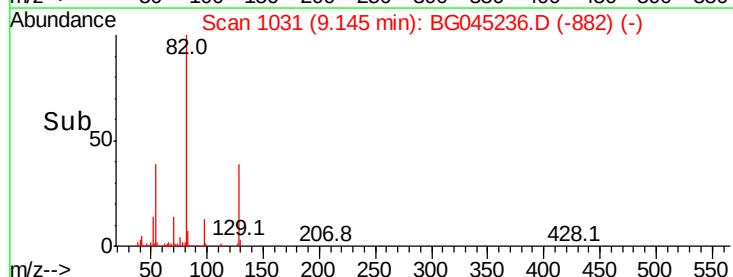
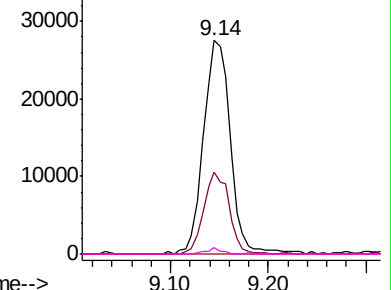
Abundance

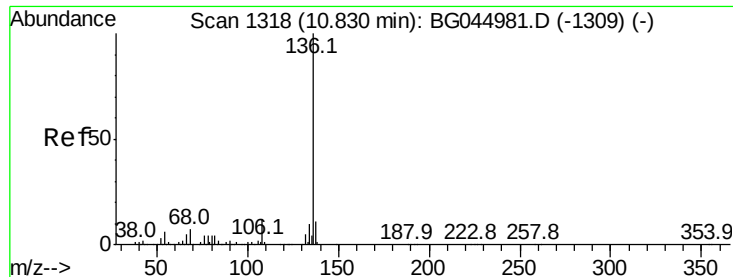
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

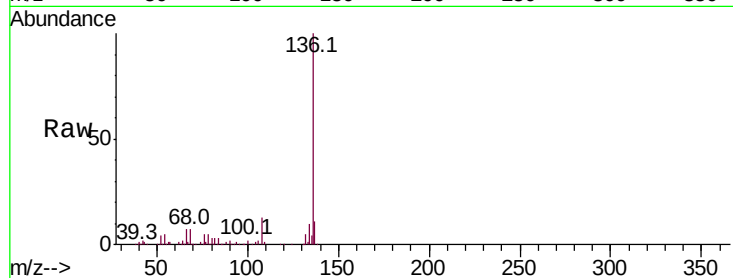




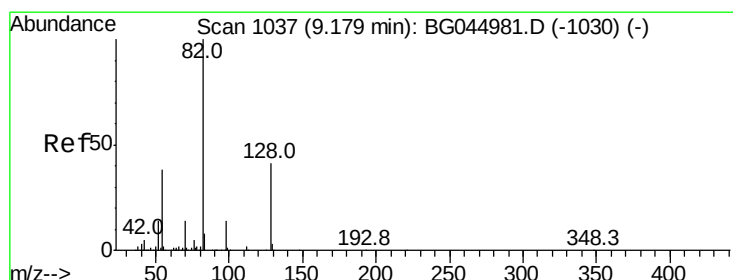
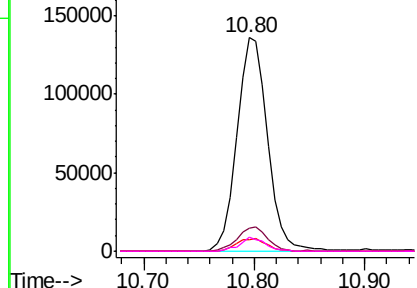
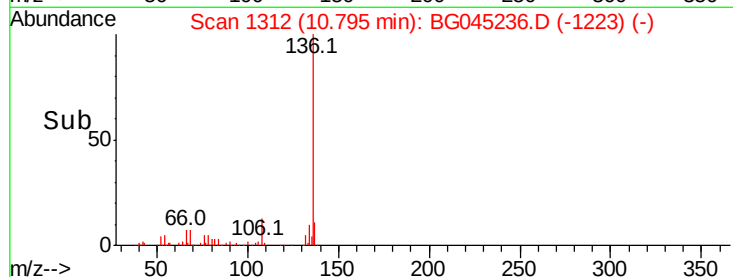
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.80 min Scan# 1312  
Delta R.T. -0.00 min  
Lab File: BG045236.D  
Acq: 4 May 2020 16:31

Instrument :  
BNA\_G  
ClientSampleId :  
FK-0D015-03-014

|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 264535 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.8    | 8.6 13.0     |
| 54 5.5      | 4.8 7.2      |
| 68 6.5      | 5.2 7.8      |

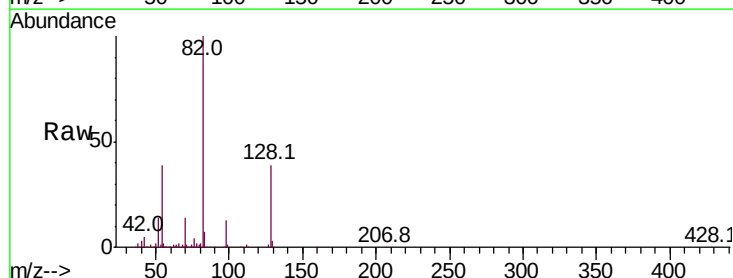


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

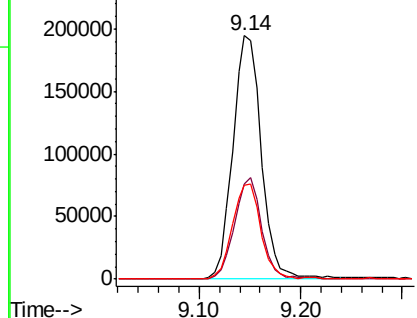
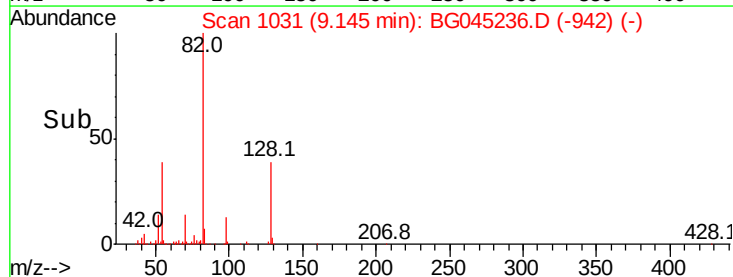


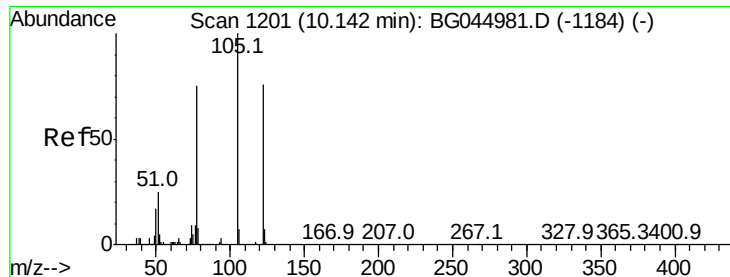
#23  
Nitrobenzene-d5  
Concen: 65.557 ng  
RT: 9.14 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: BG045236.D  
Acq: 4 May 2020 16:31

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 380070 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 39.3    | 33.0 49.4    |
| 54 38.6     | 30.4 45.6    |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.390 ng

RT: 10.12 min Scan# 1197

Delta R.T. 0.01 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Instrument :

BNA\_G

ClientSampleId :

FK-0D015-03-014

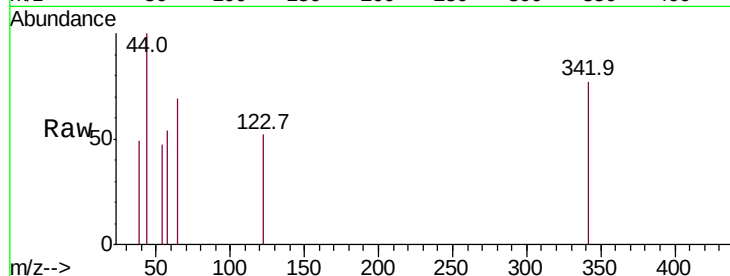
Tot Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

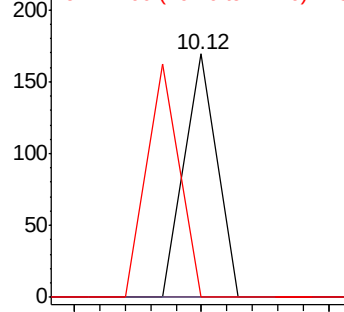
77 0.0 78.8 118.8#



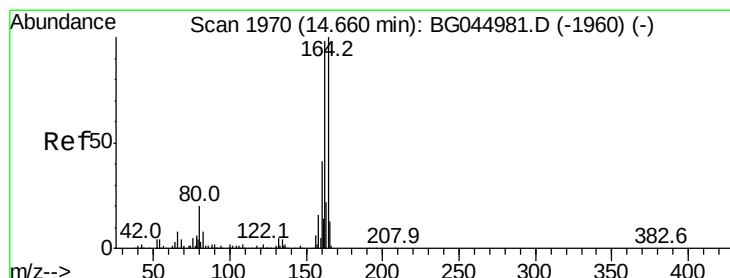
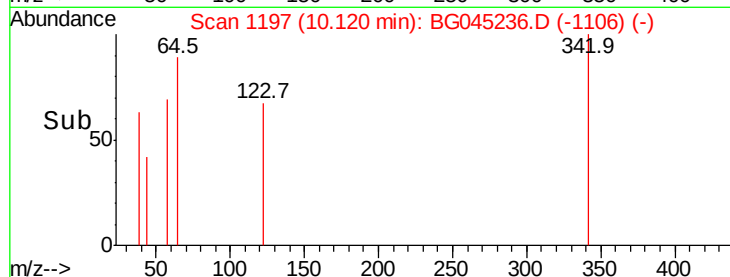
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

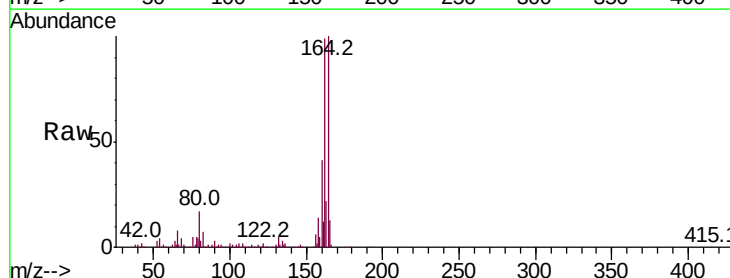
Tgt Ion:164 Resp: 191603

Ion Ratio Lower Upper

164 100

162 98.7 78.7 118.1

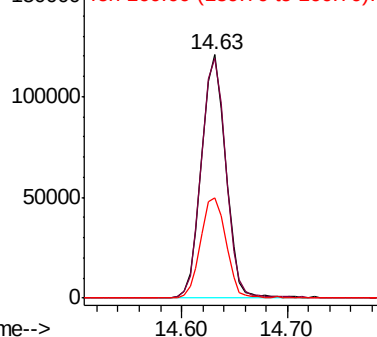
160 41.4 32.8 49.2



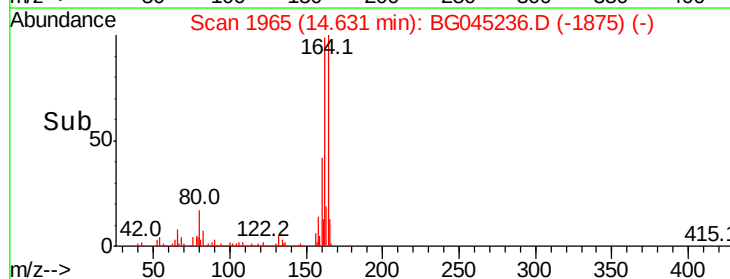
Abundance Ion 164.00 (163.70 to 164.70): E

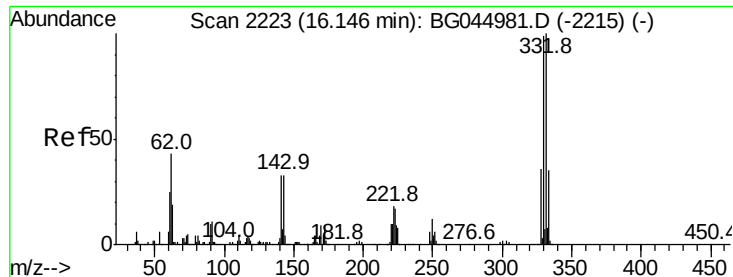
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

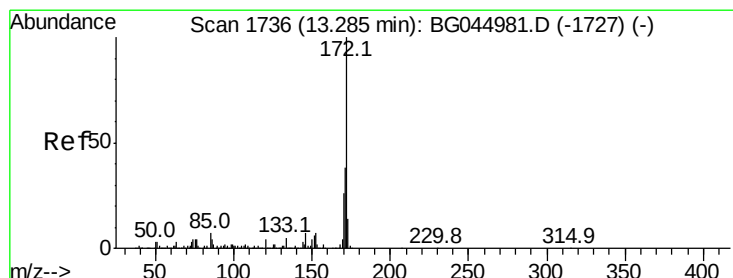
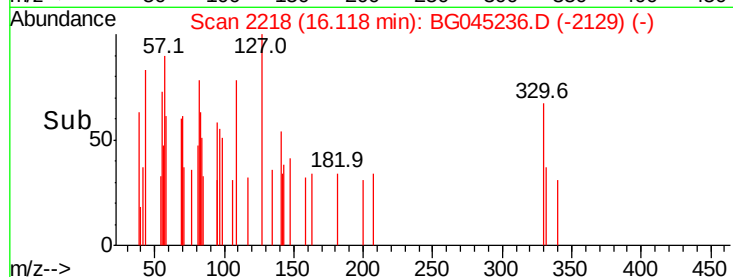
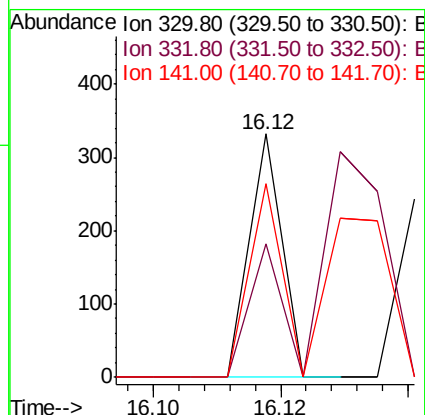
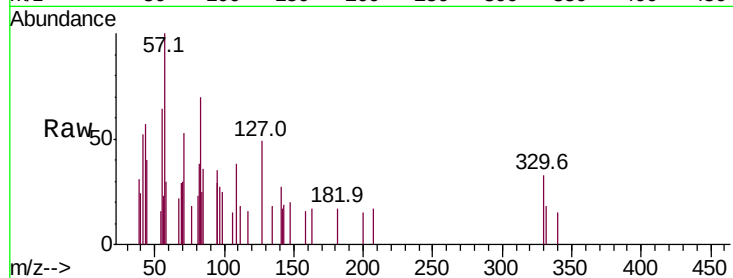




#42  
2,4,6-Tribromophenol  
Concen: 0.040 ng  
RT: 16.12 min Scan# 2218  
Delta R.T. -0.00 min  
Lab File: BG045236.D  
Acq: 4 May 2020 16:31

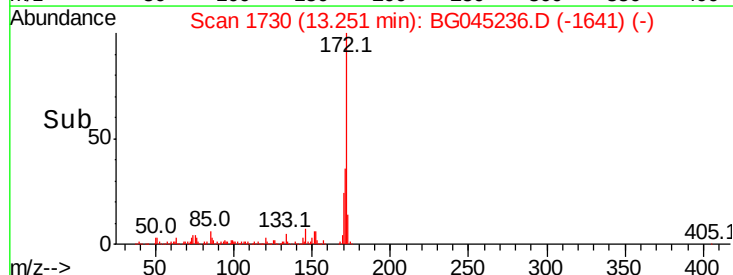
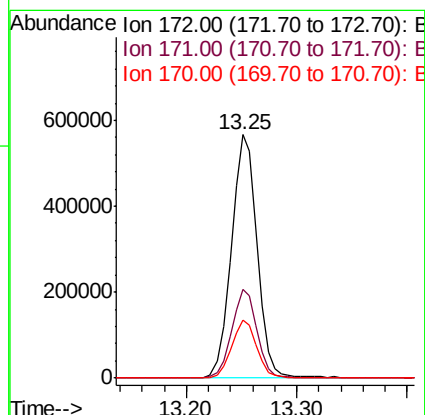
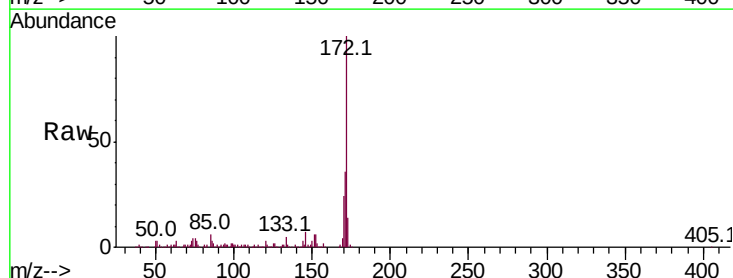
Instrument :  
BNA\_G  
ClientSampleId :  
FK-0D015-03-014

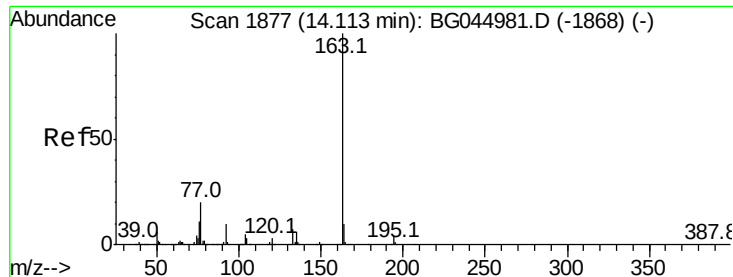
Tot Ion:330 Resp: 117  
Ion Ratio Lower Upper  
330 100  
332 0.0 79.1 118.7#  
141 79.5 27.1 40.7#



#45  
2-Fluorobiphenyl  
Concen: 70.682 ng  
RT: 13.25 min Scan# 1730  
Delta R.T. -0.00 min  
Lab File: BG045236.D  
Acq: 4 May 2020 16:31

Tgt Ion:172 Resp: 923598  
Ion Ratio Lower Upper  
172 100  
171 36.4 30.6 46.0  
170 23.6 20.5 30.7





#50

Dimethylphthalate

Concen: 3.418 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Instrument :

BNA\_G

ClientSampleId :

FK-0D015-03-014

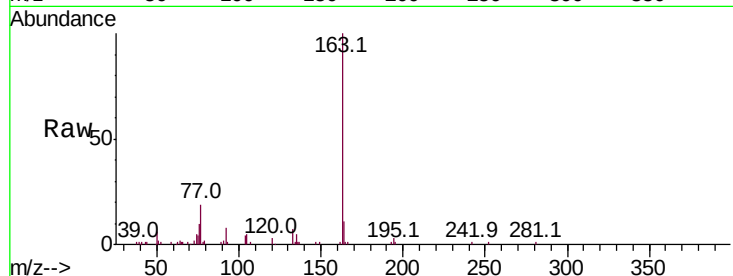
Tot Ion:163 Resp: 53319

Ion Ratio Lower Upper

163 100

194 3.1 3.5 5.3#

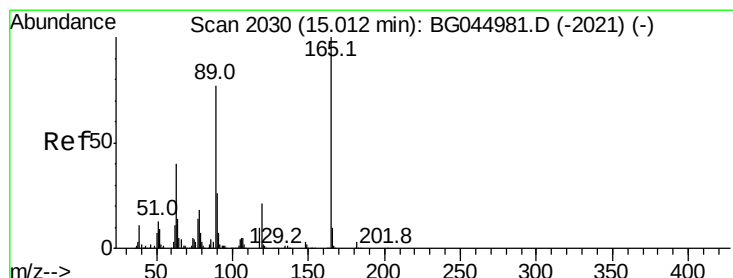
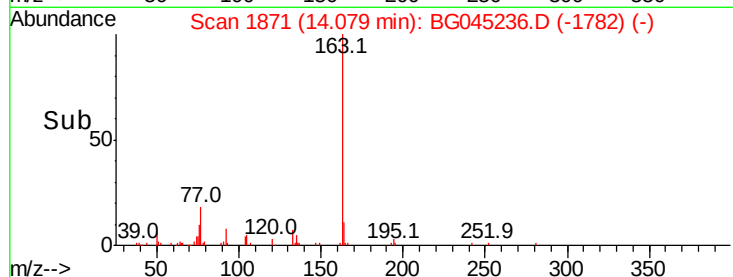
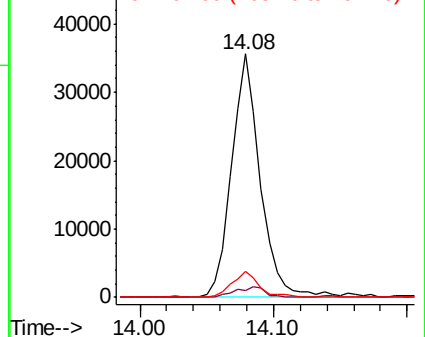
164 10.5 8.2 12.4



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



#57

2,4-Dinitrotoluene

Concen: 4.805 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.36 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Tgt Ion:165 Resp: 24502

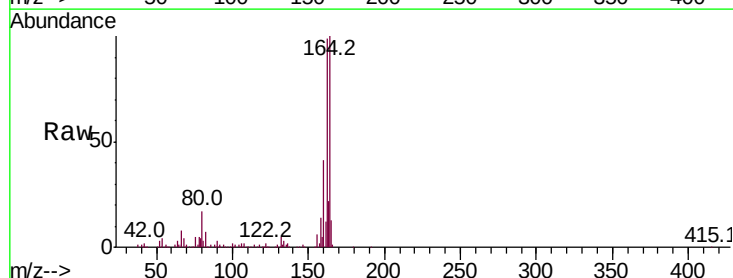
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 3.5 61.7 92.5#

182 0.0 2.0 3.0#

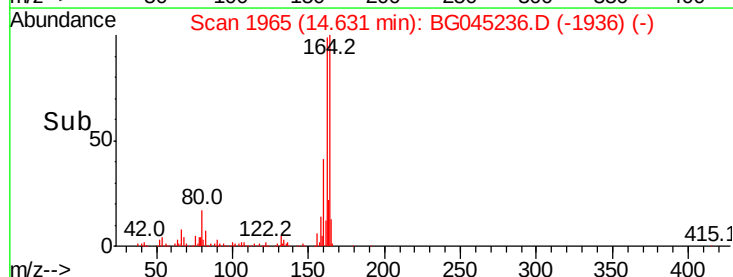
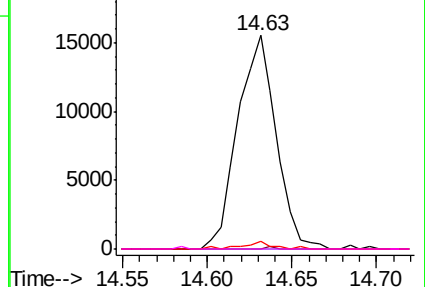


Abundance Ion 165.00 (164.70 to 165.70): E

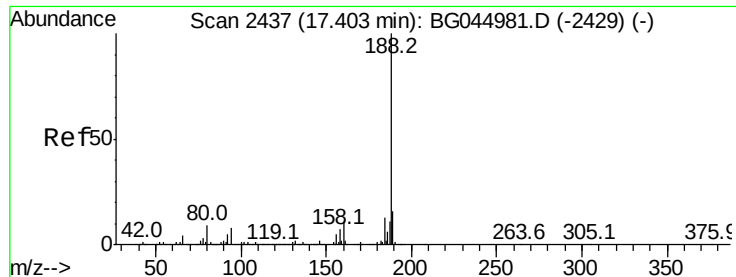
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Instrument :

BNA\_G

ClientSampleId :

FK-0D015-03-014

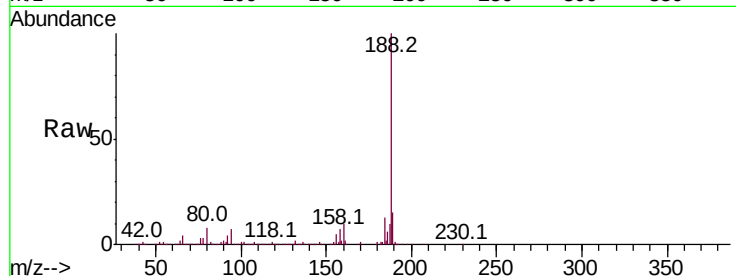
Tot Ion:188 Resp: 448287

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

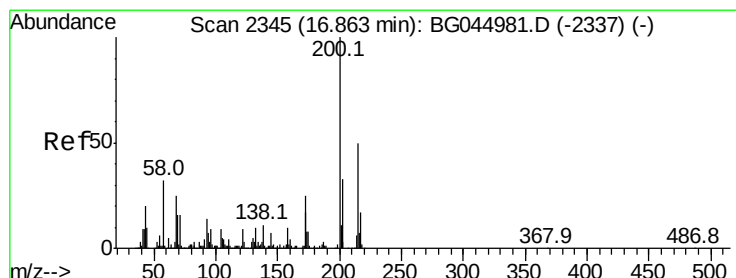
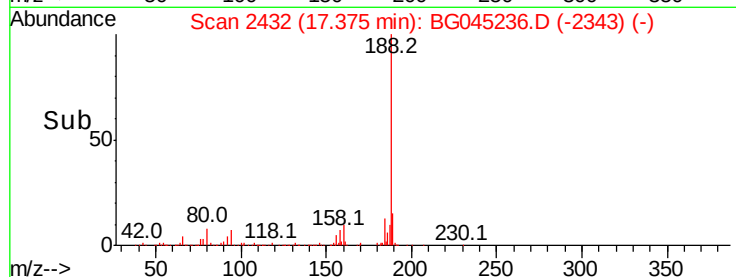
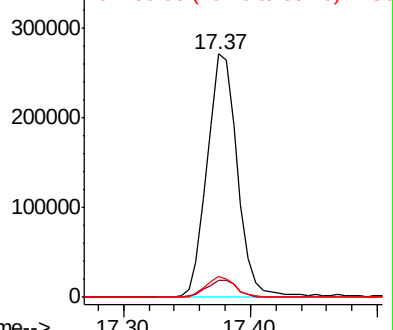
80 8.3 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Atrazine

Concen: Below Cal

RT: 16.52 min Scan# 2286

Delta R.T. -0.32 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

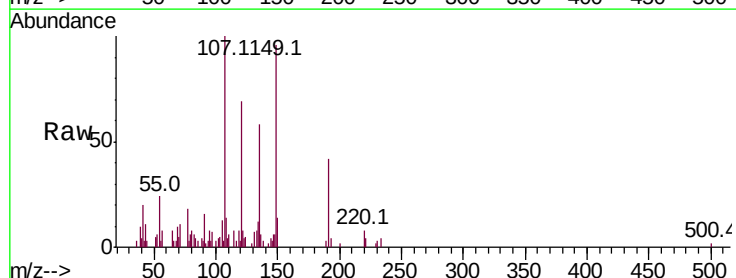
Tgt Ion:200 Resp: 53

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

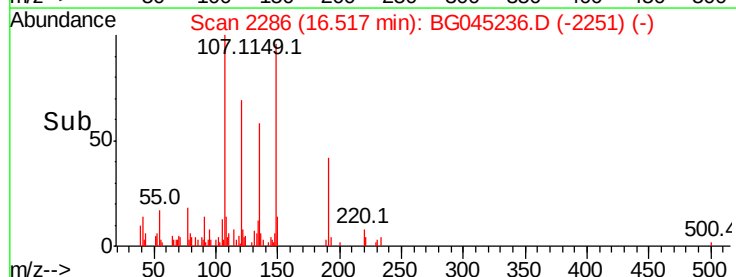
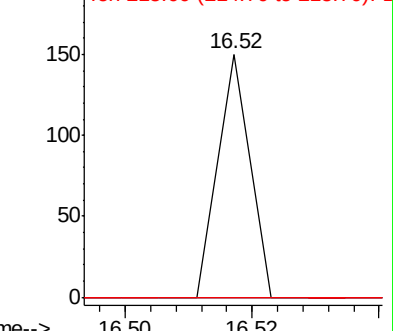
215 0.0 30.0 70.0#

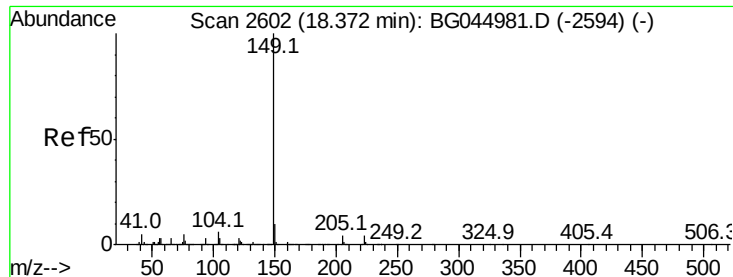


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Instrument :

BNA\_G

ClientSampleId :

FK-0D015-03-014

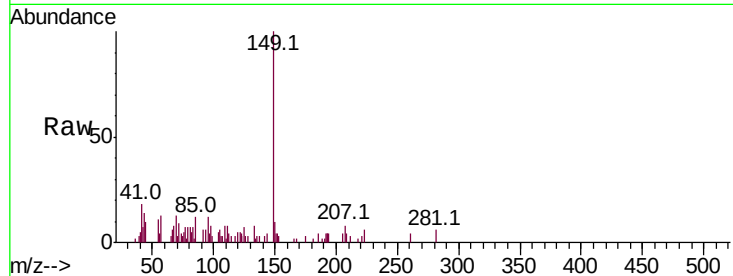
Tot Ion:149 Resp: 8803

Ion Ratio Lower Upper

149 100

150 10.3 8.2 12.2

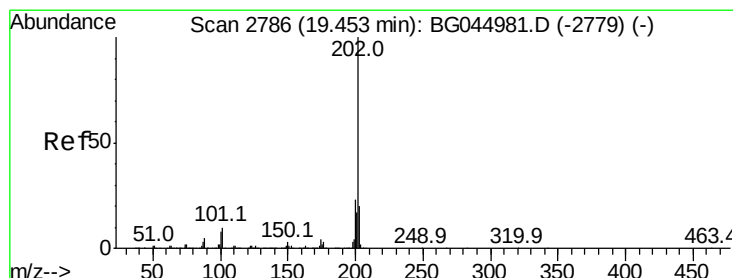
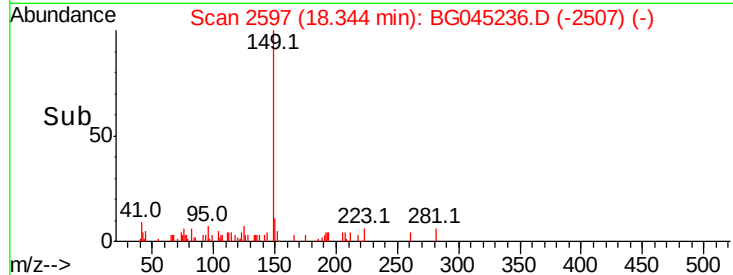
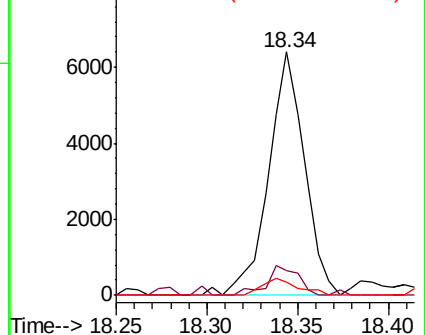
104 5.2 4.8 7.2



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



#75

Fluoranthene

Concen: Below Cal

RT: 19.44 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

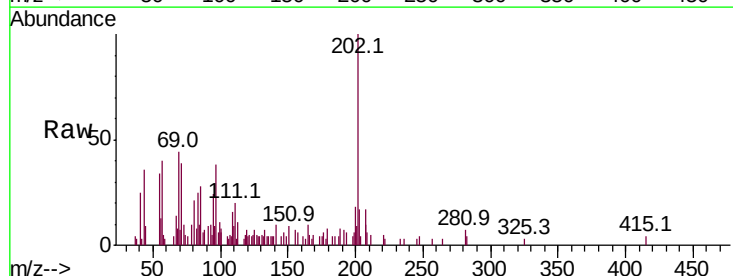
Tgt Ion:202 Resp: 7778

Ion Ratio Lower Upper

202 100

101 7.6 0.0 29.6

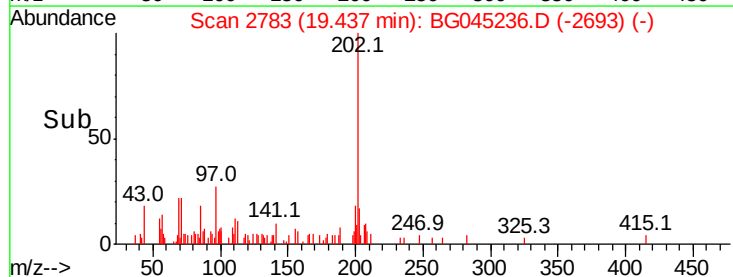
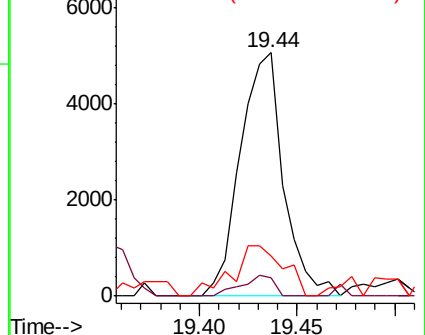
203 16.7 0.0 39.7

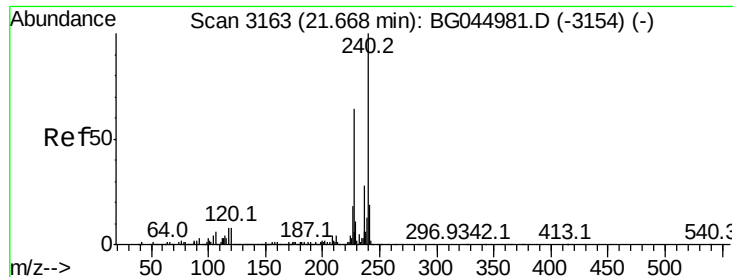


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Instrument :

BNA\_G

ClientSampleId :

FK-0D015-03-014

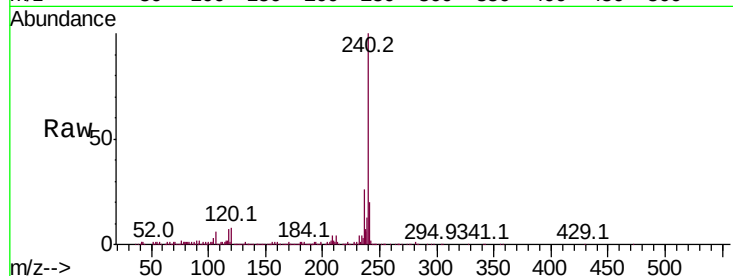
Tot Ion:240 Resp: 413531

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

236 25.7 22.2 33.2

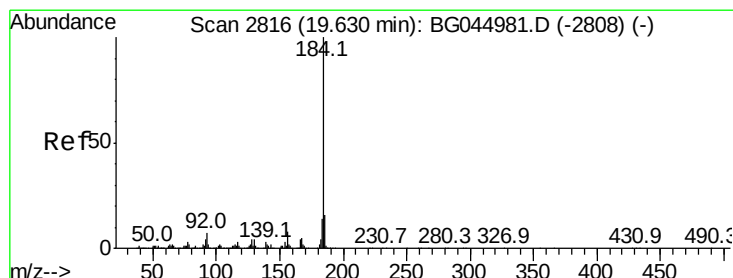
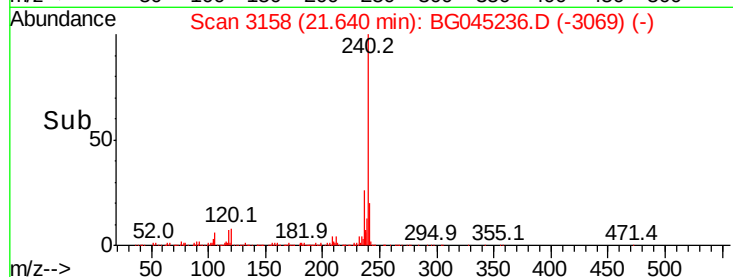
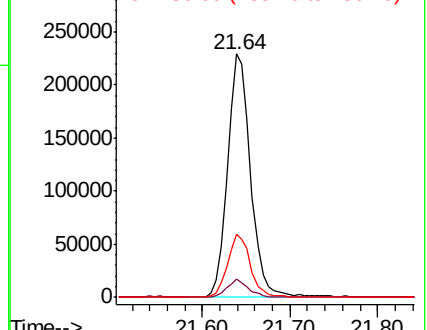


Abundance

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: Below Cal

RT: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

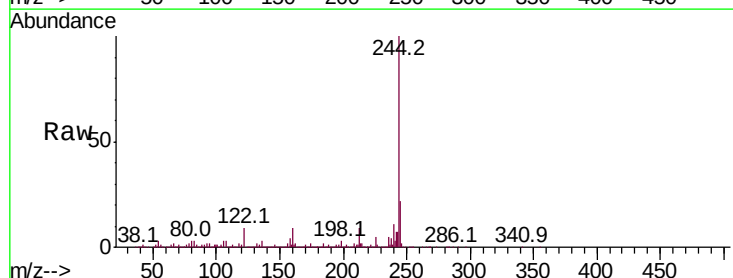
Tgt Ion:184 Resp: 28956

Ion Ratio Lower Upper

184 100

185 14.8 12.6 19.0

183 8.0 11.3 16.9#

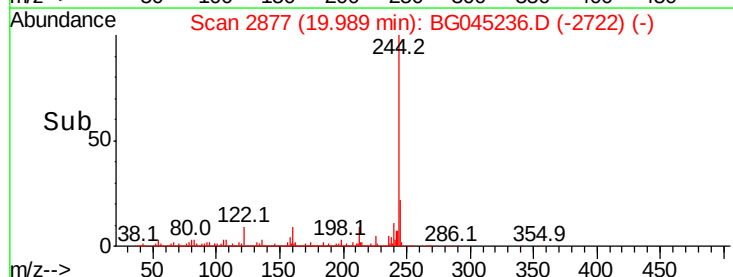
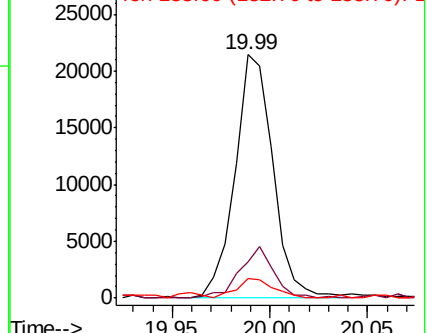


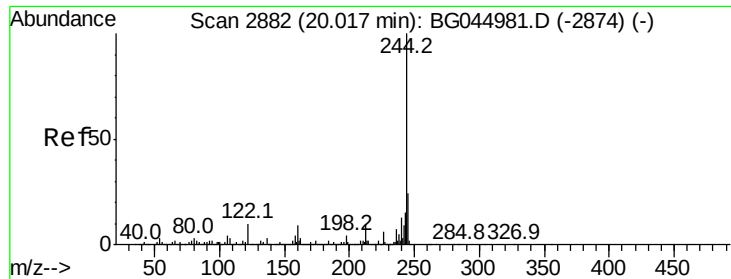
Abundance

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: 81.085 ng

RT: 19.99 min Scan# 2878

Delta R.T. 0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Instrument :

BNA\_G

ClientSampleId :

FK-0D015-03-014

Tot Ion:244 Resp: 1538439

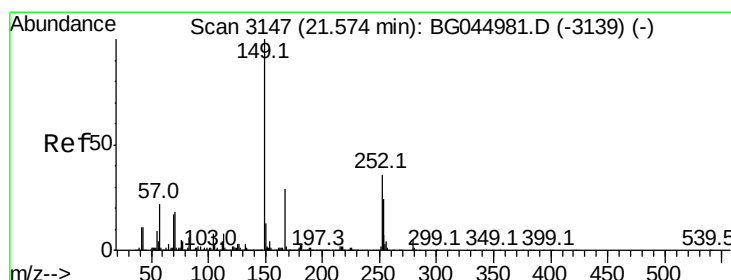
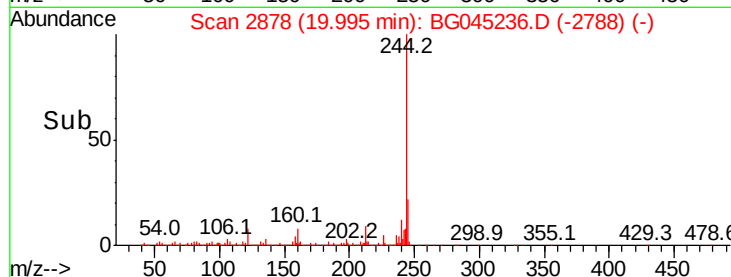
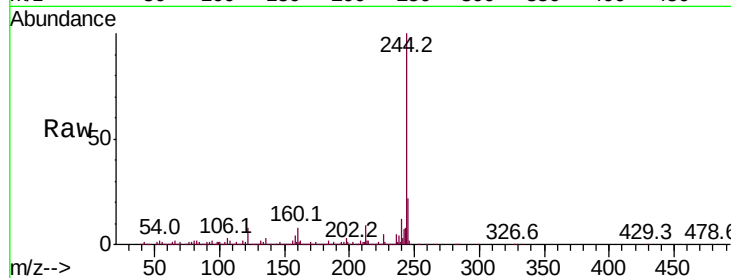
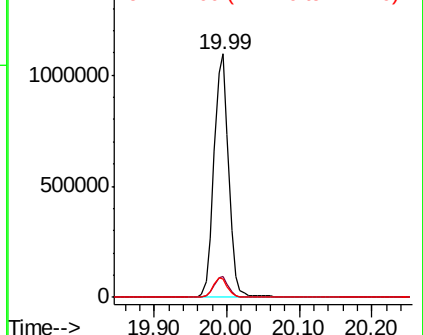
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.8   | 7.9   | 11.9  |
| 122 | 7.7   | 7.7   | 11.5  |

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: 98.482 ng

RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG045236.D

Acq: 4 May 2020 16:31

Tgt Ion:149 Resp: 1600615

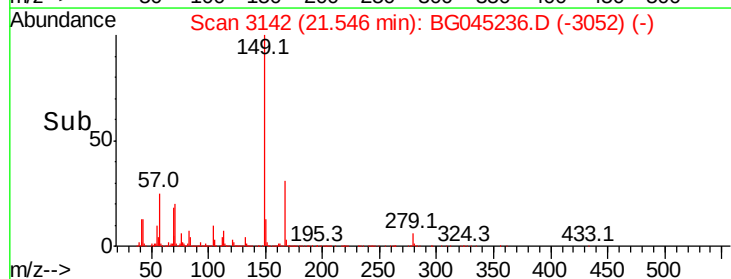
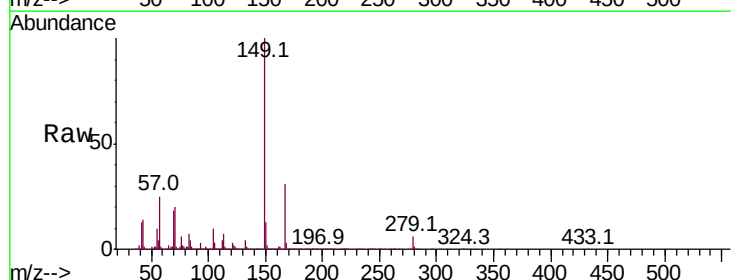
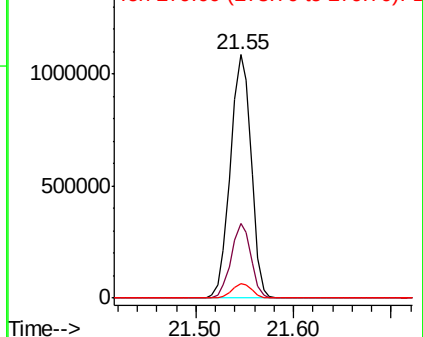
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 30.9  | 23.4  | 35.0  |
| 279 | 6.0   | 4.3   | 6.5   |

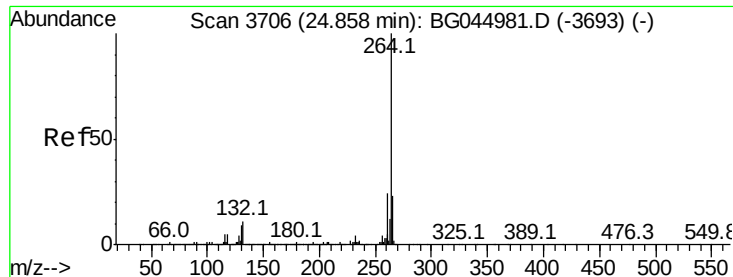
Abundance

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  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.82 min Scan# 3699  
Delta R.T. -0.00 min  
Lab File: BG045236.D  
Acq: 4 May 2020 16:31

Instrument :  
BNA\_G  
ClientSampleId :  
FK-0D015-03-014

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.2  | 28.8  |
| 265     | 20.8  | 19.0  | 28.4  |

