

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\  
 Data File : BG043485.D  
 Acq On : 4 Nov 2019 17:50  
 Operator : JU  
 Sample : K5623-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-TOTE

Quant Time: Nov 05 00:56:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 04 15:22:15 2019  
 Response via : Initial Calibration

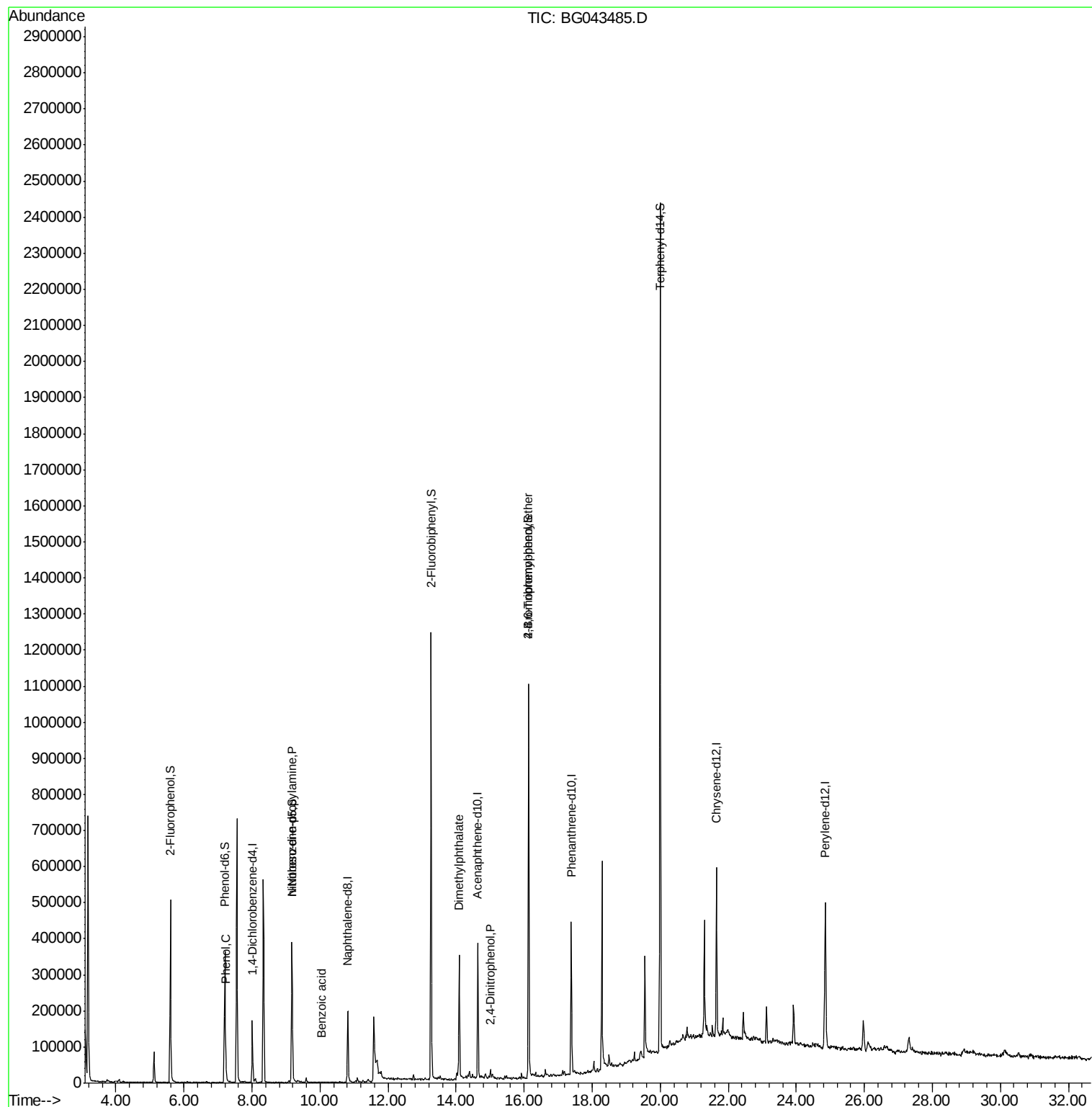
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.01  | 152  | 51035    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.82 | 136  | 194114   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.64 | 164  | 134677   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.39 | 188  | 290620   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.65 | 240  | 303275   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 24.85 | 264  | 368617   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 246719   | 88.59  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.20  | 99   | 237813   | 59.35  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.17  | 82   | 267190   | 70.96  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.13 | 330  | 256658   | 100.14 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.26 | 172  | 701595   | 71.98  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.00 | 244  | 1214531  | 75.13  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.22  | 94   | 43764    | 11.952 | ng    | 94       |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 35701    | 13.788 | ng    | # 80     |
| 32) Benzoic acid               | 10.06 | 122  | 75       | 9.081  | ng    | # 1      |
| 50) Dimethylphthalate          | 14.09 | 163  | 239195   | 22.930 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 15.01 | 184  | 54       | 7.317  | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether  | 16.13 | 248  | 16332    | 4.176  | ng    | # 1      |

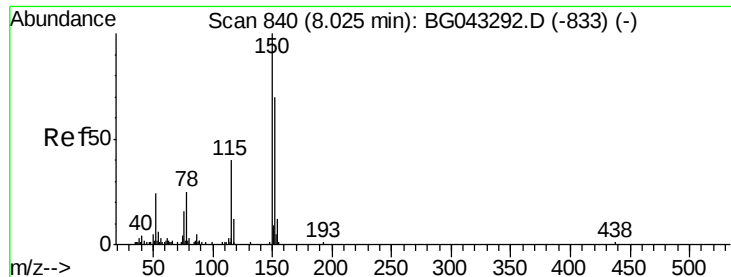
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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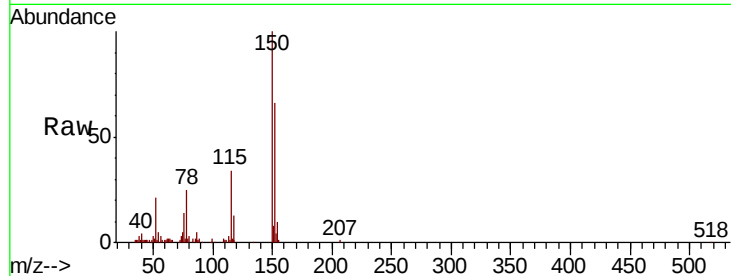


#1

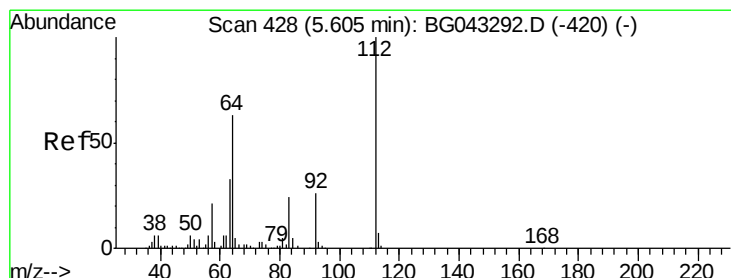
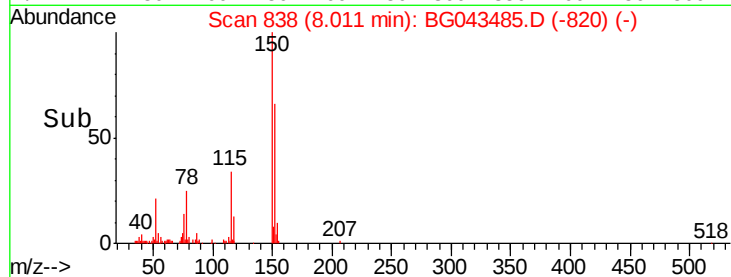
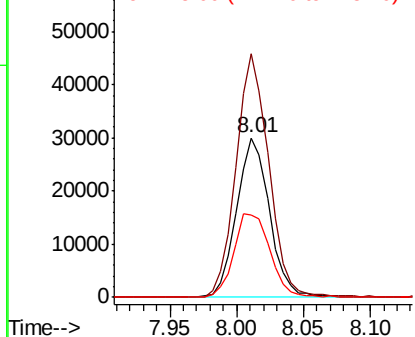
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 838  
Delta R.T. 0.00 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-TOTE

Tot Ion:152 Resp: 51035  
Ion Ratio Lower Upper  
152 100  
150 152.5 129.4 194.0  
115 51.3 48.8 73.2



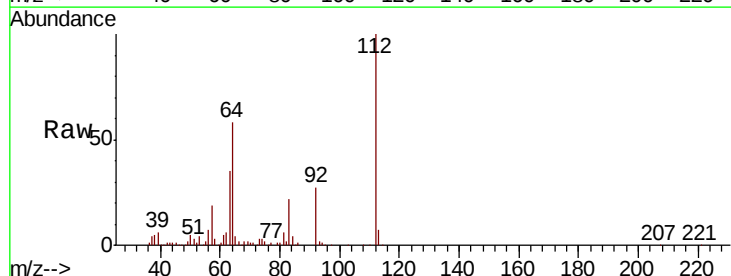
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



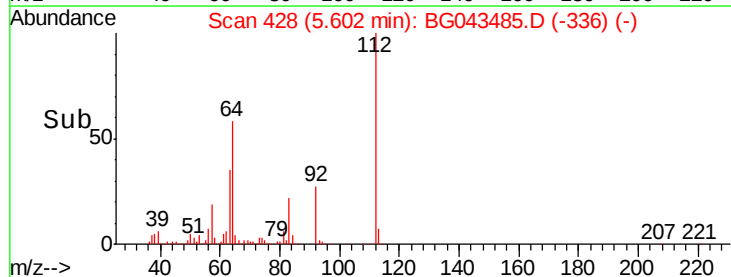
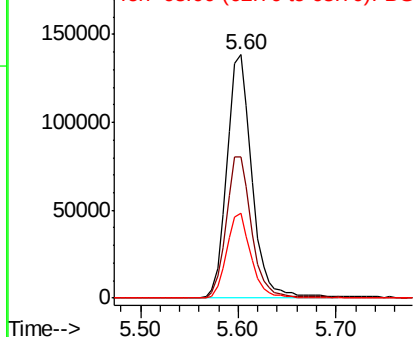
#5

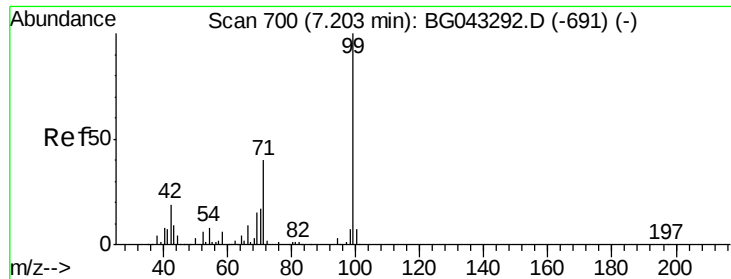
2-Fluorophenol  
Concen: 88.586 ng  
RT: 5.60 min Scan# 428  
Delta R.T. 0.01 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

Tgt Ion:112 Resp: 246719  
Ion Ratio Lower Upper  
112 100  
64 58.1 50.0 75.0  
63 34.7 26.6 40.0



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: 59.348 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

Instrument :

BNA\_G

ClientSampleId :

PAT-TOTE

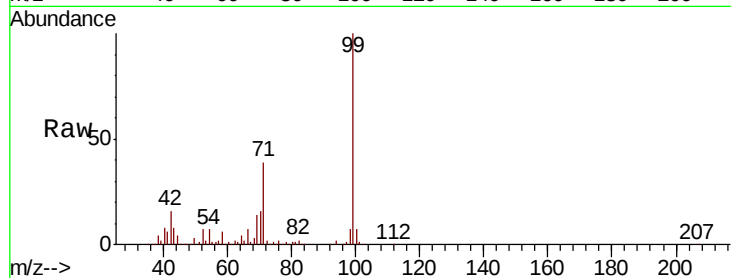
Tot Ion: 99 Resp: 237813

Ion Ratio Lower Upper

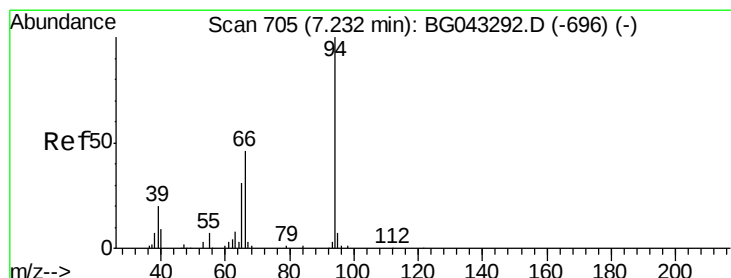
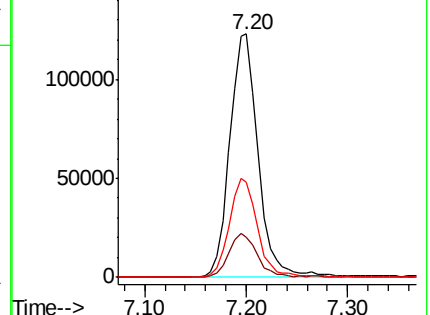
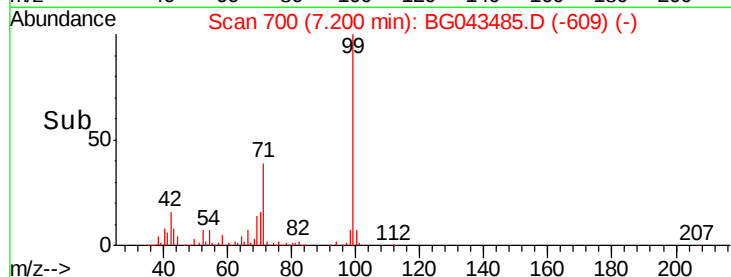
99 100

42 16.2 14.6 21.8

71 39.1 32.5 48.7



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



#10

Phenol

Concen: 11.952 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

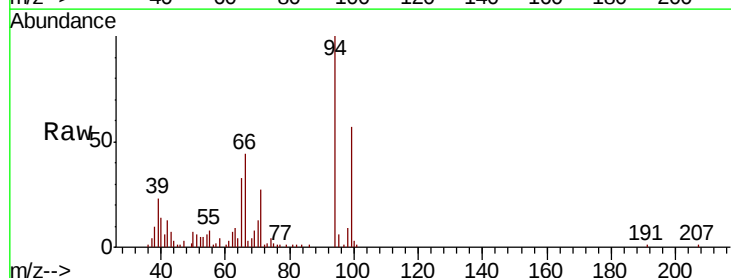
Tgt Ion: 94 Resp: 43764

Ion Ratio Lower Upper

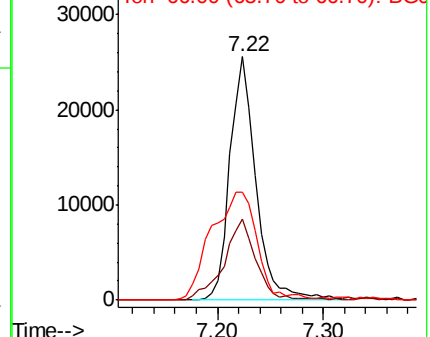
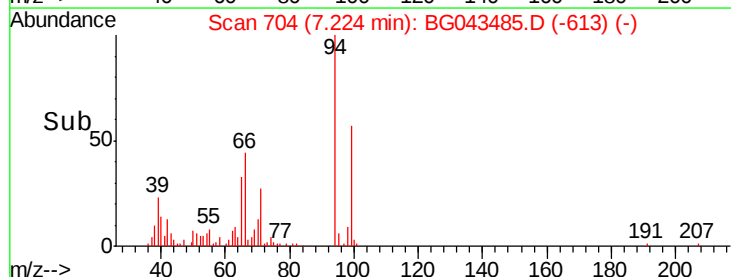
94 100

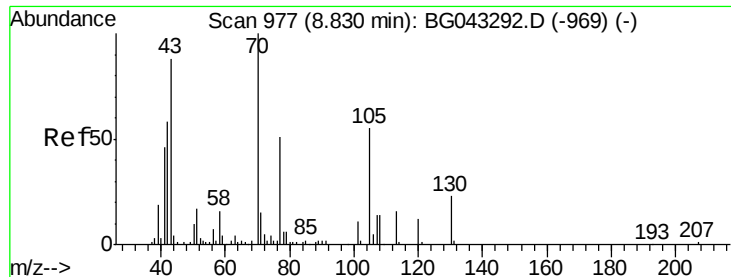
65 33.3 12.6 52.6

66 44.4 30.7 70.7



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

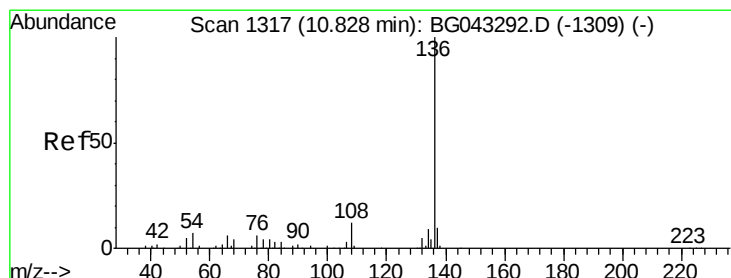
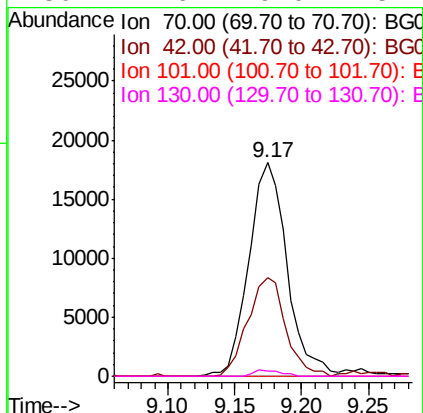
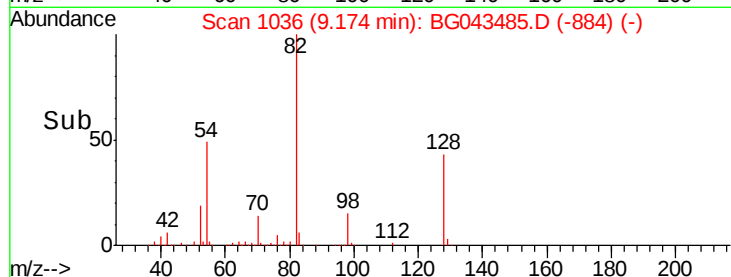
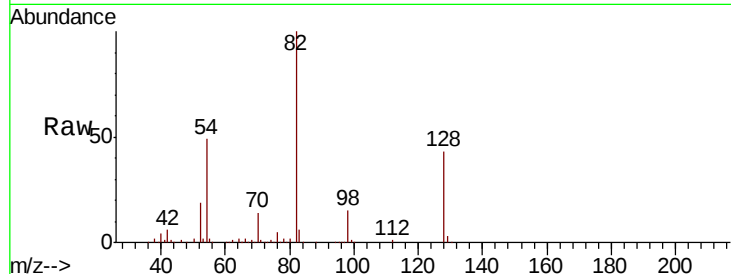




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.788 ng  
RT: 9.17 min Scan# 1036  
Delta R.T. 0.36 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

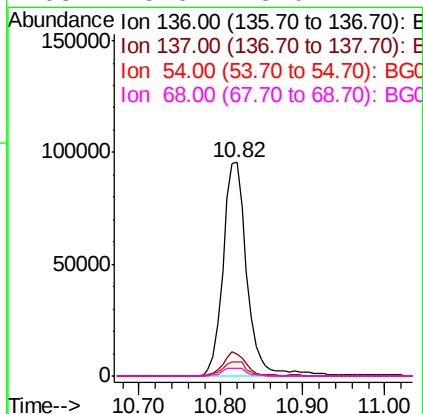
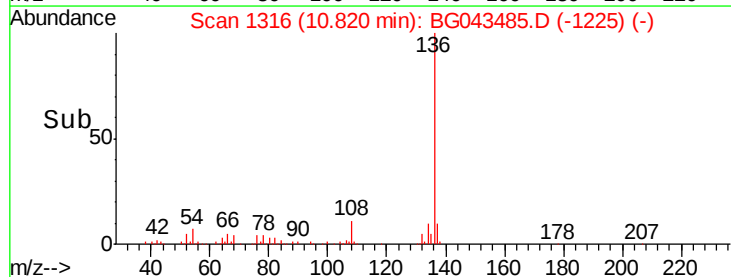
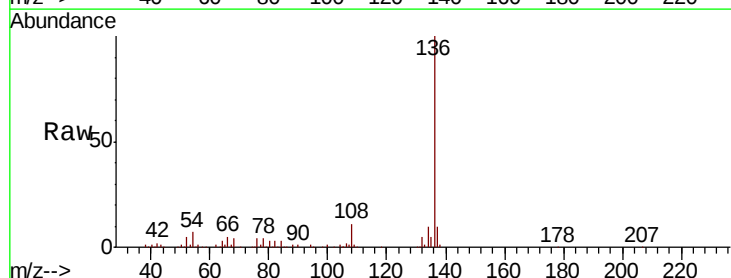
Instrument :  
BNA\_G  
ClientSampleId :  
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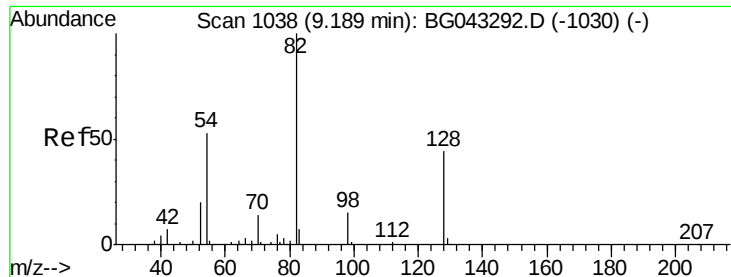
Tot Ion: 70 Resp: 35701  
Ion Ratio Lower Upper  
70 100  
42 46.3 41.4 62.2  
101 0.0 7.9 11.9#  
130 2.6 19.0 28.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

Tgt Ion: 136 Resp: 194114  
Ion Ratio Lower Upper  
136 100  
137 9.9 8.7 13.1  
54 6.9 5.4 8.2  
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 70.963 ng

RT: 9.17 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

Instrument :

BNA\_G

ClientSampleId :

PAT-TOTE

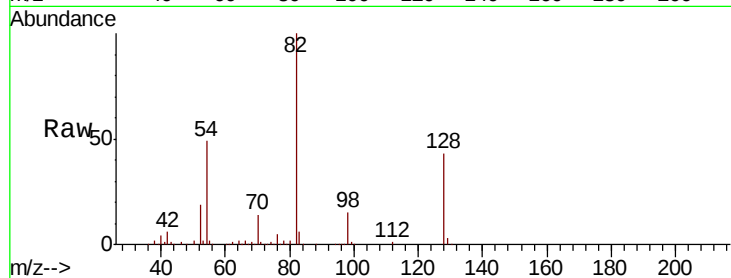
Tot Ion: 82 Resp: 267190

Ion Ratio Lower Upper

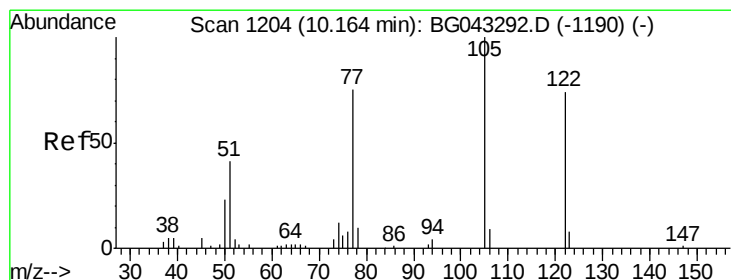
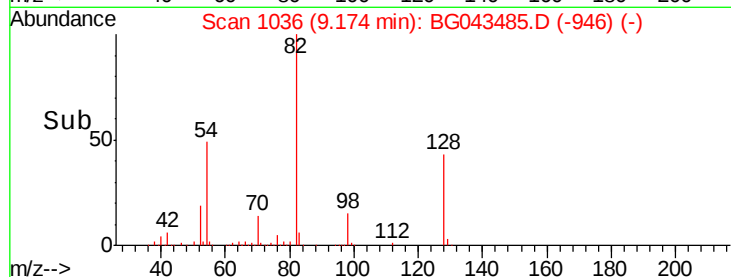
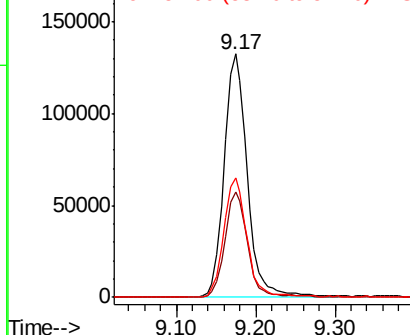
82 100

128 43.3 35.0 52.6

54 49.1 40.2 60.2



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



#32

Benzoic acid

Concen: 9.081 ng

RT: 10.06 min Scan# 1187

Delta R.T. -0.10 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

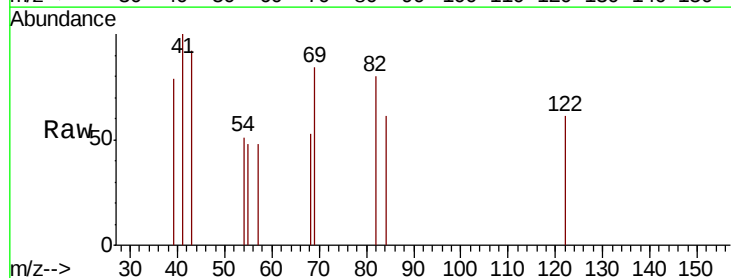
Tgt Ion: 122 Resp: 75

Ion Ratio Lower Upper

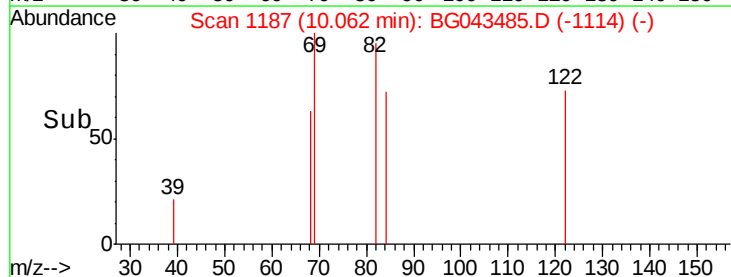
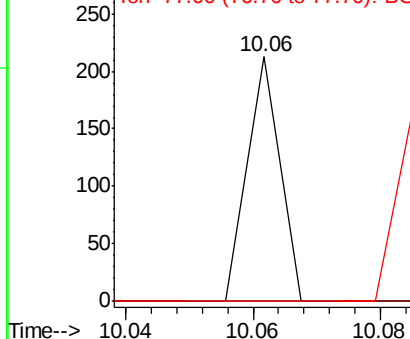
122 100

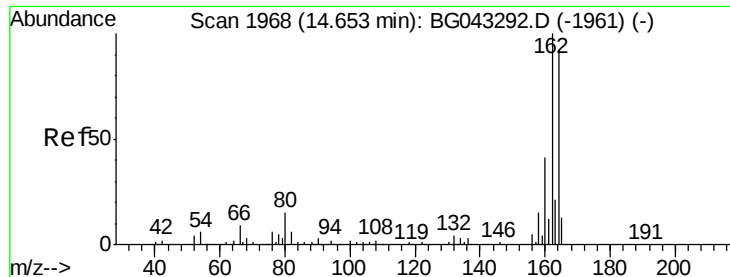
105 0.0 103.3 143.3#

77 0.0 84.9 124.9#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

Instrument :

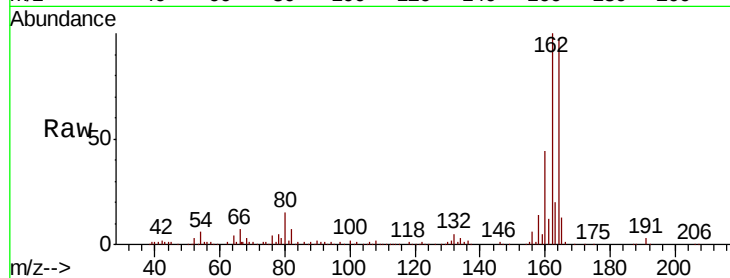
BNA\_G

ClientSampleId :

PAT-TOTE

Tot Ion:164 Resp: 134677

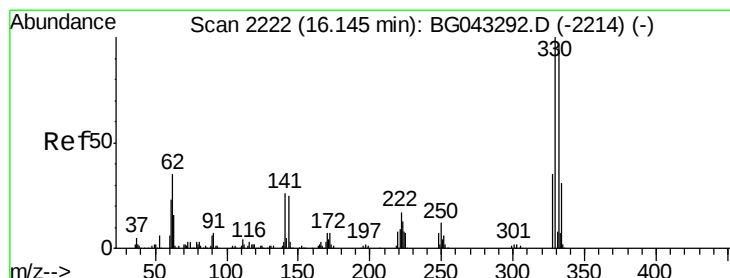
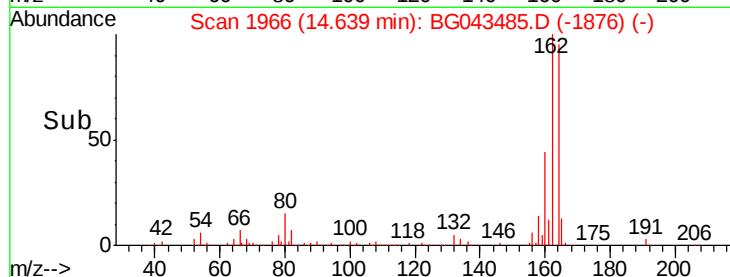
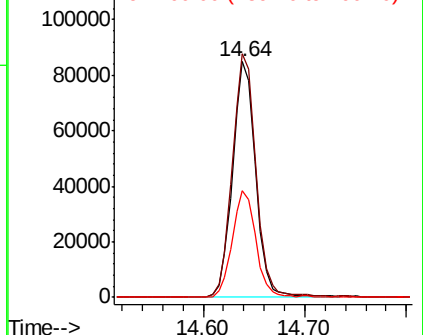
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.3 | 83.5  | 125.3 |
| 160 | 45.1  | 36.5  | 54.7  |



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



#42

2,4,6-Tribromophenol

Concen: 100.143 ng

RT: 16.13 min Scan# 2220

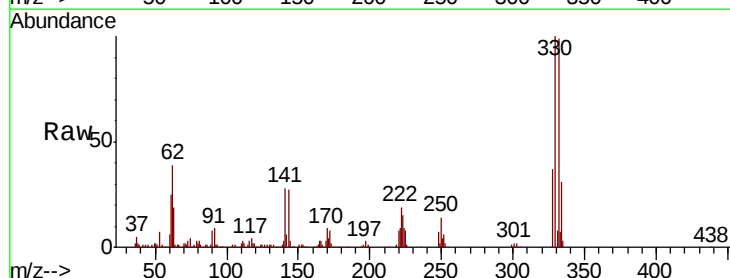
Delta R.T. -0.00 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

Tgt Ion:330 Resp: 256658

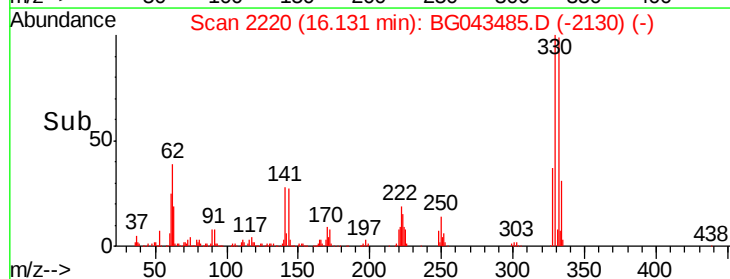
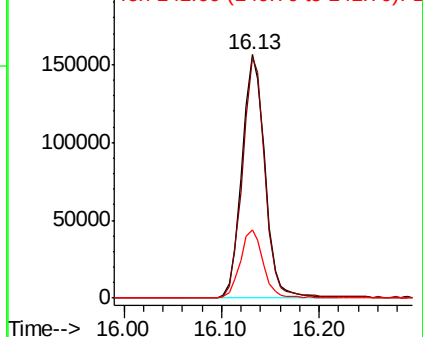
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.6  | 77.4  | 116.0 |
| 141 | 28.0  | 22.8  | 34.2  |

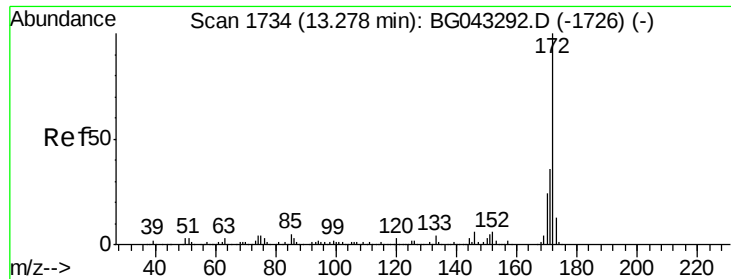


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

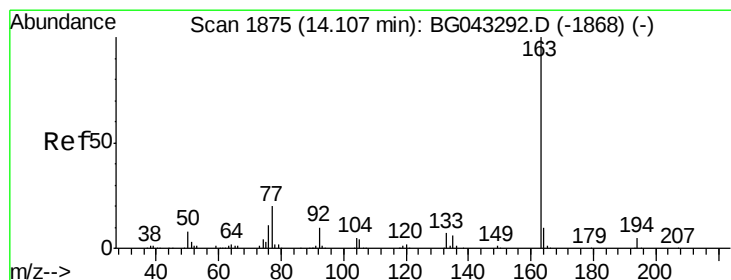
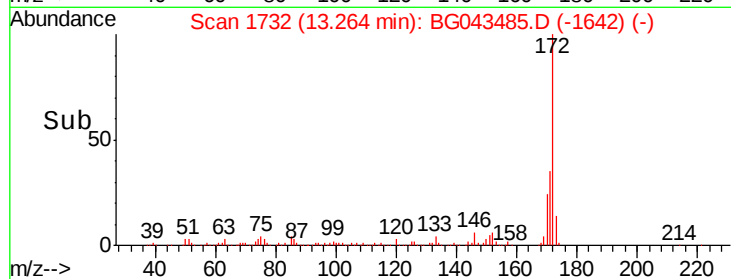
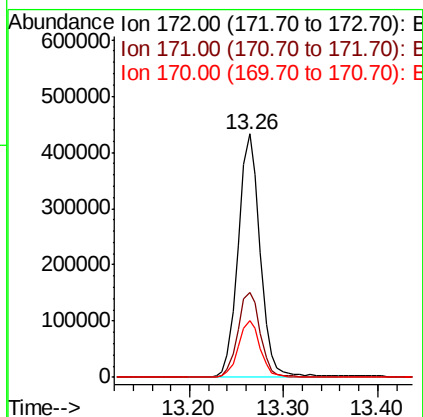
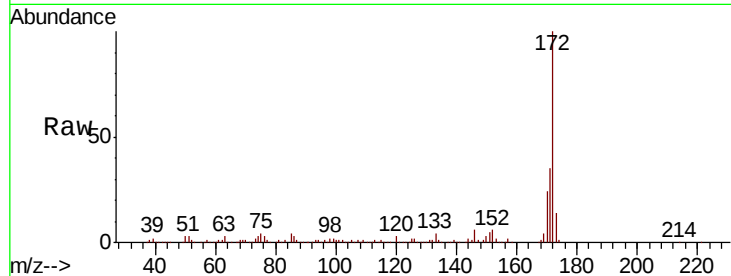




#45  
2-Fluorobiphenyl  
Concen: 71.985 ng  
RT: 13.26 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

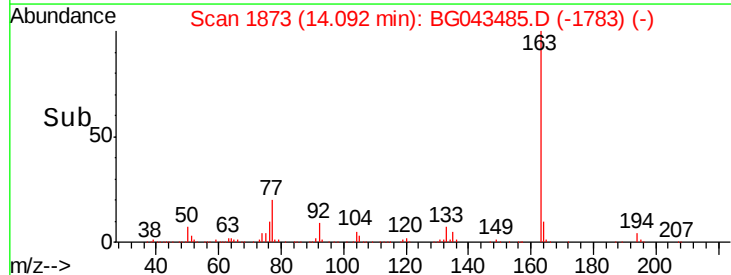
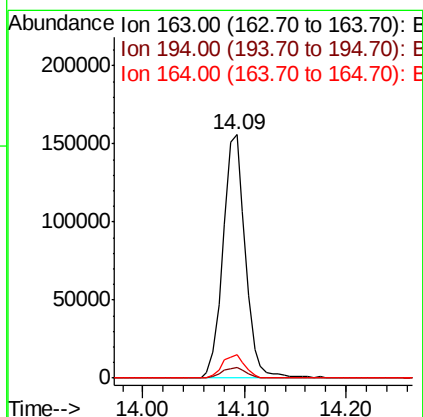
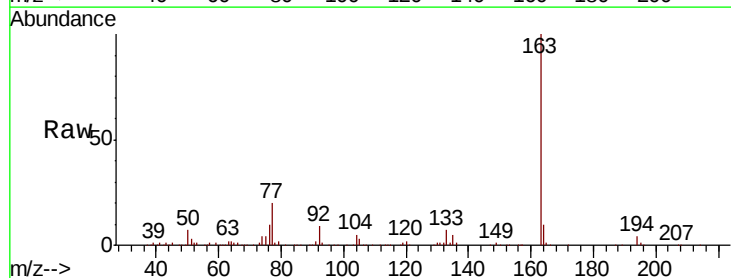
Instrument :  
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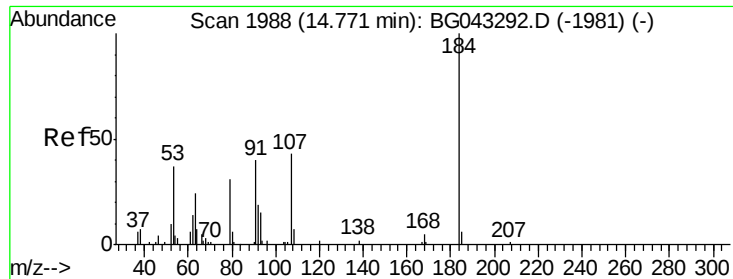
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 28.9  | 43.3  |
| 170     | 23.5  | 18.5  | 27.7  |



#50  
Dimethylphthalate  
Concen: 22.930 ng  
RT: 14.09 min Scan# 1873  
Delta R.T. -0.00 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 3.8   | 5.6   |
| 164     | 9.7   | 8.9   | 13.3  |

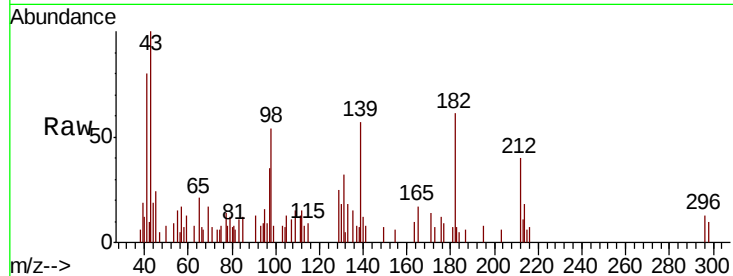




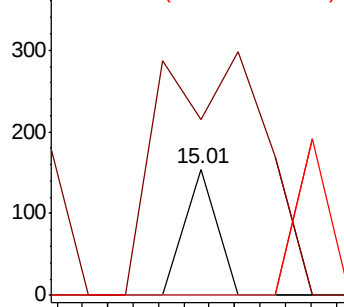
#54  
 2,4-Dinitrophenol  
 Concen: 7.317 ng  
 RT: 15.01 min Scan# 2030  
 Delta R.T. 0.26 min  
 Lab File: BG043485.D  
 Acq: 4 Nov 2019 17:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PAT-TOTE

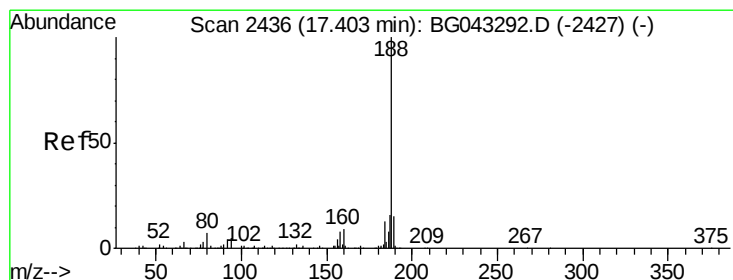
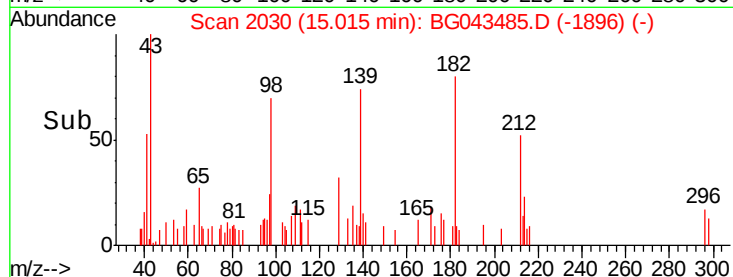
Tot Ion:184 Resp: 54  
 Ion Ratio Lower Upper  
 184 100  
 63 139.6 51.3 76.9#  
 154 103.2 55.4 83.0#



Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 154.00 (153.70 to 154.70): E

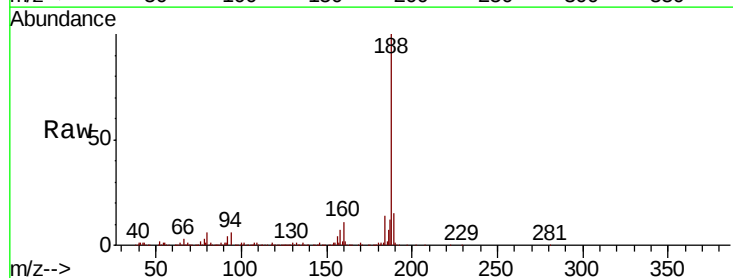


Time-->

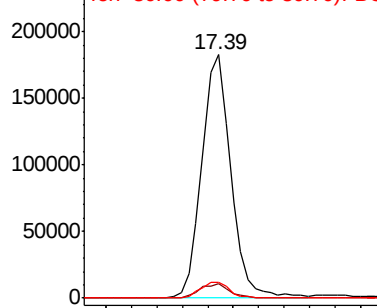


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.39 min Scan# 2434  
 Delta R.T. -0.00 min  
 Lab File: BG043485.D  
 Acq: 4 Nov 2019 17:50

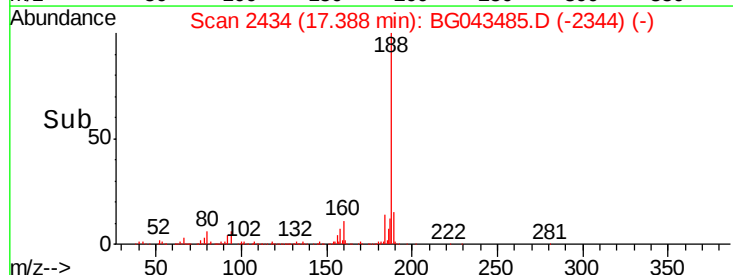
Tgt Ion:188 Resp: 290620  
 Ion Ratio Lower Upper  
 188 100  
 94 5.9 4.2 6.4  
 80 6.3 4.5 6.7

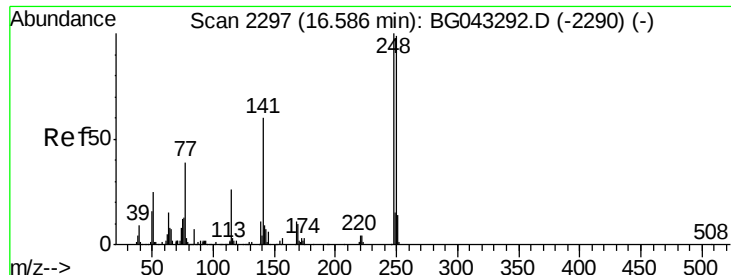


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BG  
 Ion 80.00 (79.70 to 80.70): BG



Time-->

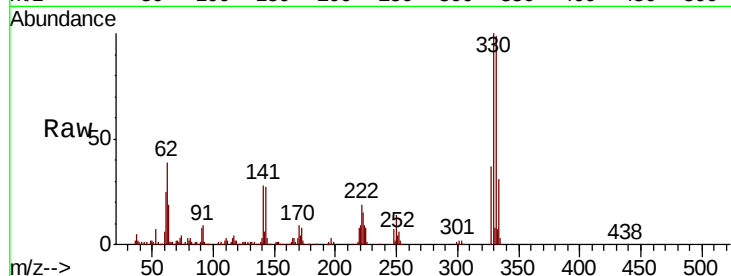




#67  
4-Bromophenyl-phenylether  
Concen: 4.176 ng  
RT: 16.13 min Scan# 2220  
Delta R.T. -0.44 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

Instrument :  
BNA\_G  
ClientSampleId :  
PAT-TOTE

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 197.9 | 77.0  | 115.4# |
| 141     | 405.6 | 47.5  | 71.3#  |

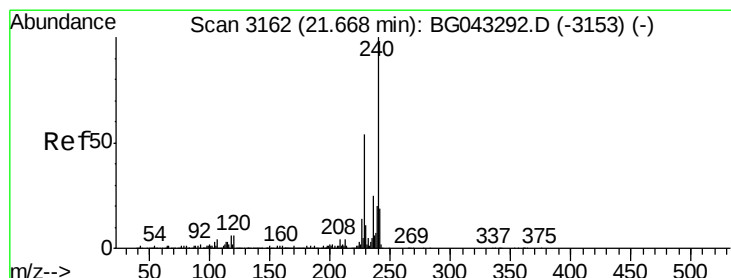
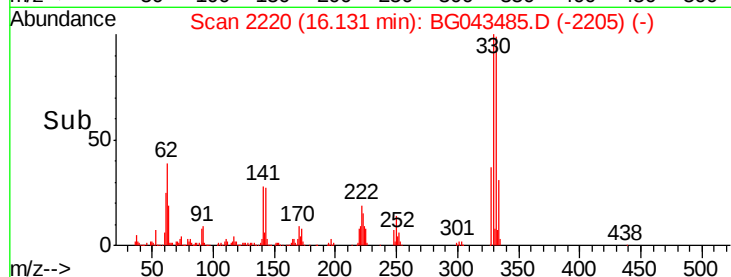
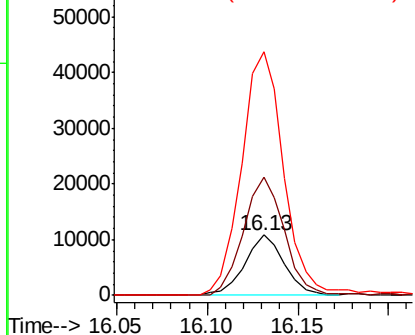


Abundance

Ion 248.00 (247.70 to 248.70): E

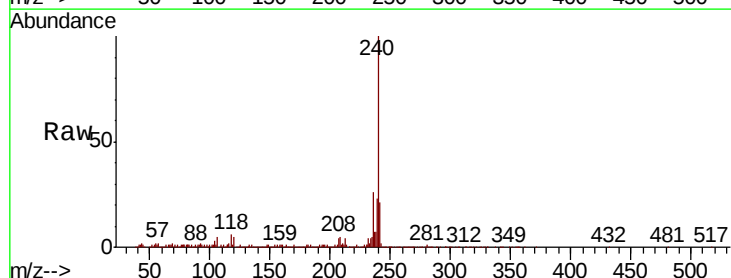
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.65 min Scan# 3160  
Delta R.T. -0.00 min  
Lab File: BG043485.D  
Acq: 4 Nov 2019 17:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.3   | 4.6   | 6.8   |
| 236     | 26.0  | 19.8  | 29.8  |

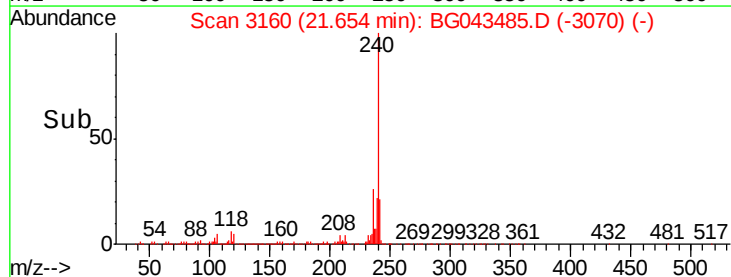
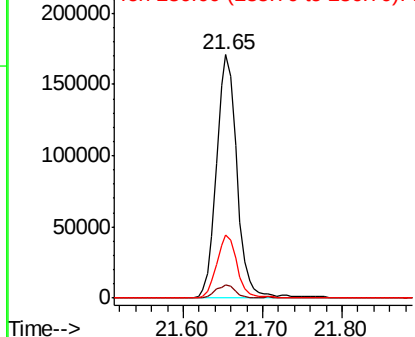


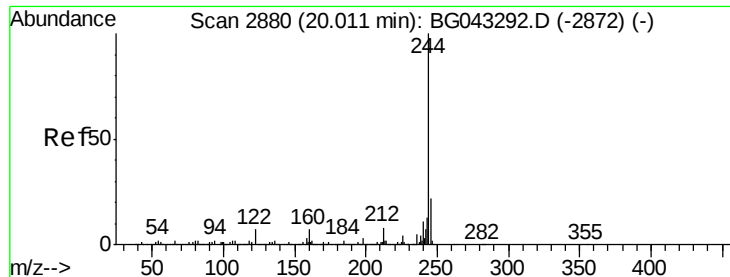
Abundance

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: 75.131 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

Instrument :

BNA\_G

ClientSampleId :

PAT-TOTE

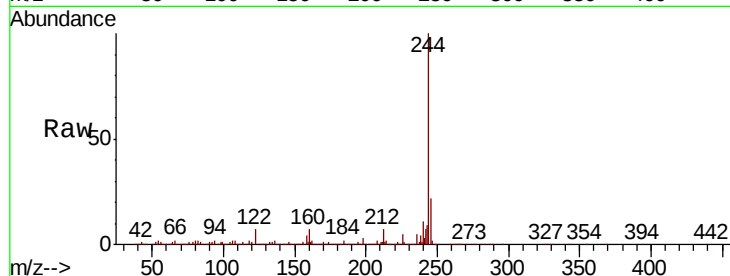
Tot Ion:244 Resp: 1214531

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

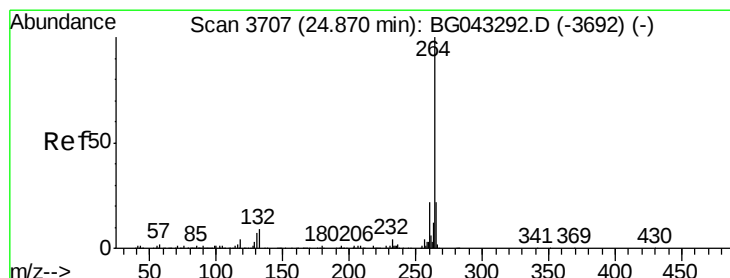
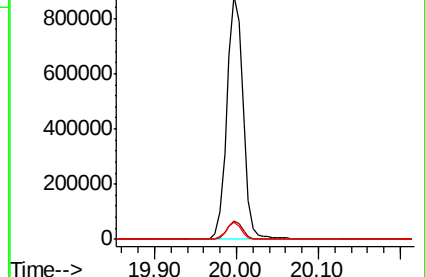
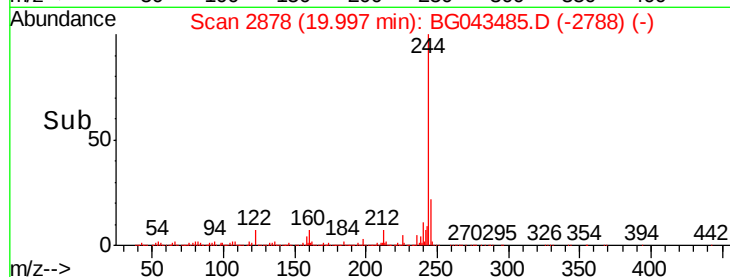
122 6.8 5.4 8.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.00 min

Lab File: BG043485.D

Acq: 4 Nov 2019 17:50

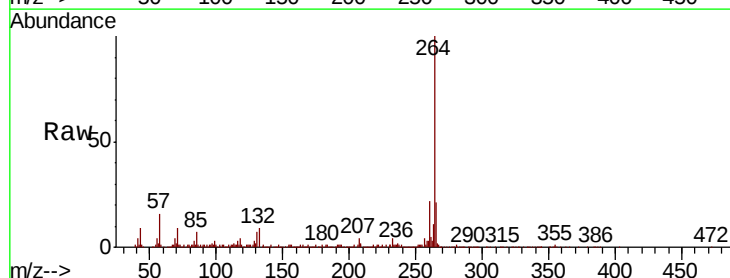
Tgt Ion:264 Resp: 368617

Ion Ratio Lower Upper

264 100

260 22.4 17.5 26.3

265 21.2 17.4 26.0



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

