

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070119\  
 Data File : BG041555.D  
 Acq On : 1 Jul 2019 12:32  
 Operator : HP/JU  
 Sample : K3484-01RE  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WASTE-SLUDGERE

Quant Time: Jul 02 01:20:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:25:55 2019  
 Response via : Initial Calibration

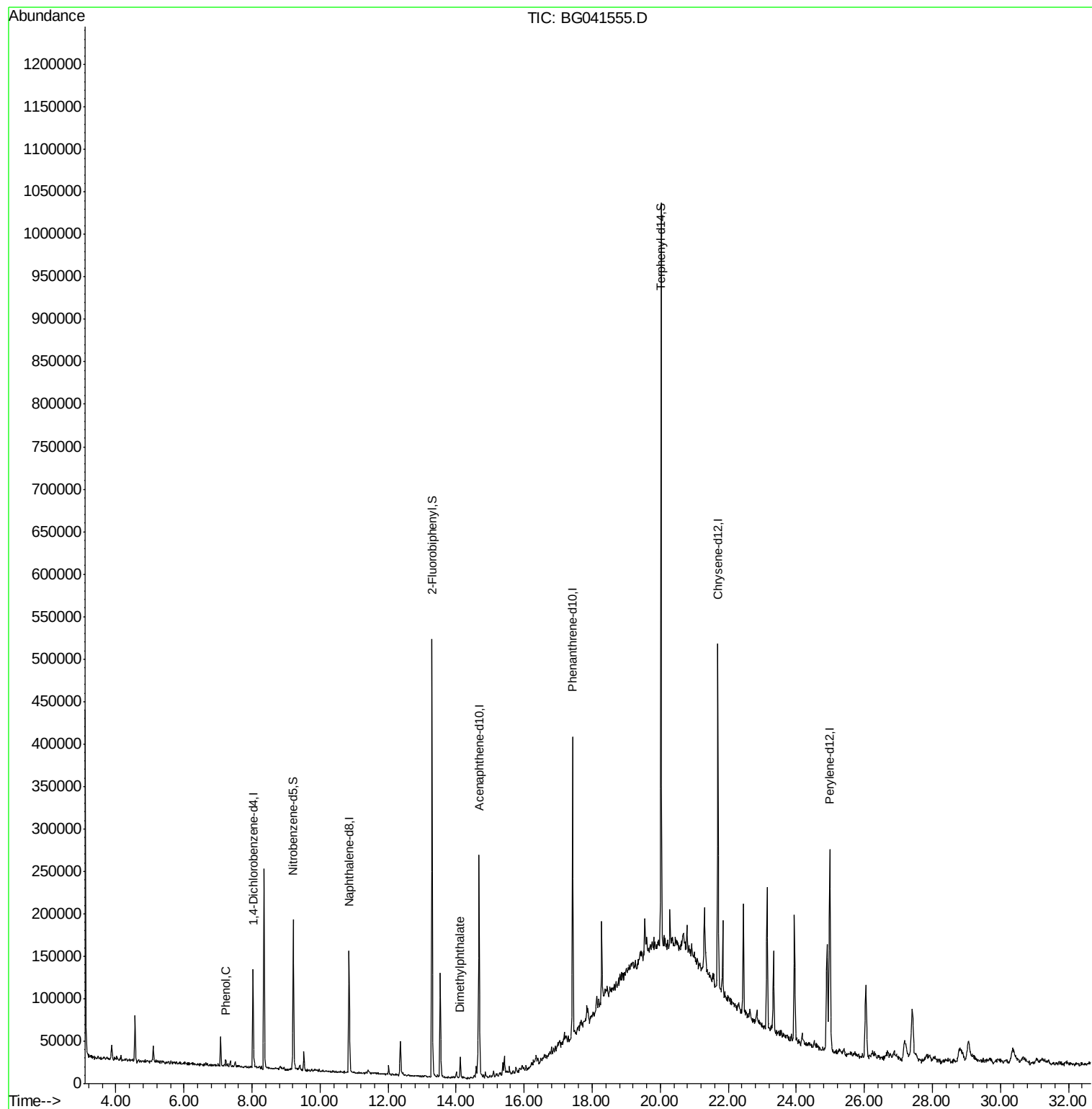
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 33249    | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.85 | 136  | 119763   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 14.67 | 164  | 86667    | 20.00 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 17.42 | 188  | 224998   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 21.69 | 240  | 254583   | 20.00 | ng    | 0.00      |
| 87) Perylene-d12            | 24.98 | 264  | 279999   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |           |
| 7) Phenol-d6                | 7.21  | 99   | 489      | 0.19  | ng    | 0.02      |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 116659   | 40.63 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 121      | 0.08  | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 13.29 | 172  | 266086   | 39.40 | ng    | 0.00      |
| 79) Terphenyl-d14           | 20.03 | 244  | 446961   | 37.31 | ng    | 0.00      |
| Target Compounds            |       |      |          |       |       |           |
| 10) Phenol                  | 7.23  | 94   | 5755     | 2.175 | ng    | Qvalue 97 |
| 50) Dimethylphthalate       | 14.12 | 163  | 16351    | 2.073 | ng    | # 96      |

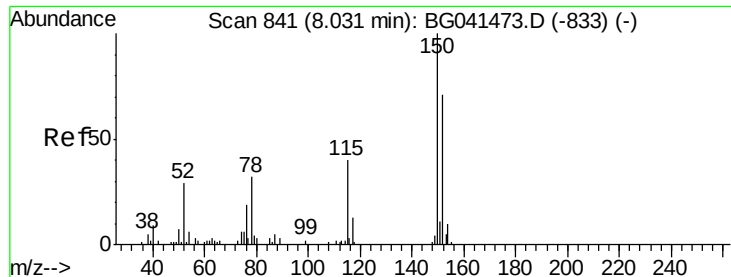
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070119\  
Data File : BG041555.D  
Acq On : 1 Jul 2019 12:32  
Operator : HP/JU  
Sample : K3484-01RE  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WASTE-SLUDGERE

Quant Time: Jul 02 01:20:12 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 27 13:25:55 2019  
Response via : Initial Calibration



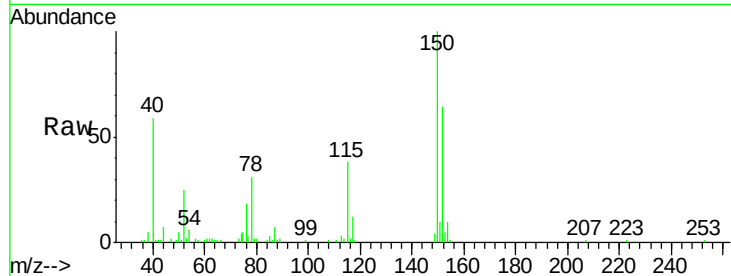


#1

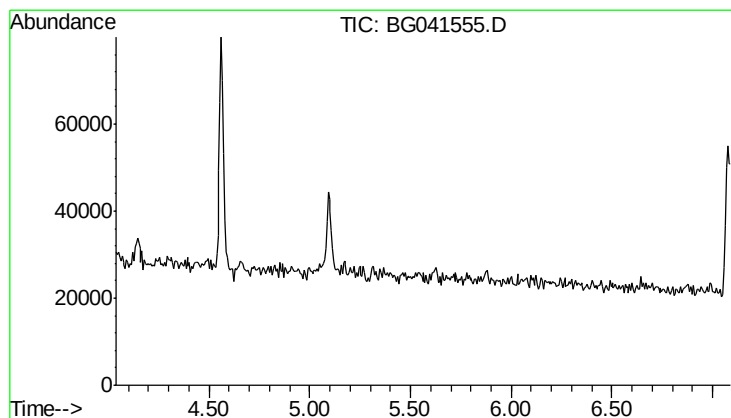
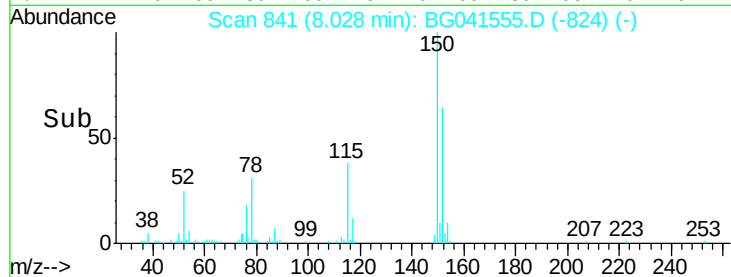
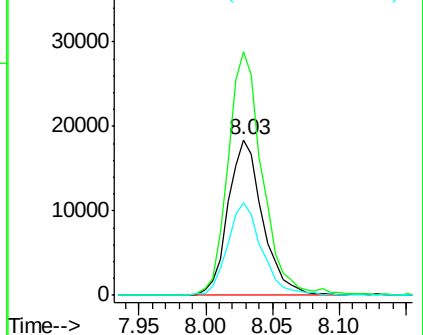
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 841  
Delta R.T. -0.00 min  
Lab File: BG041555.D  
Acq: 1 Jul 2019 12:32

Instrument :  
BNA\_G  
ClientSampleId :  
WASTE-SLUDGERE

Tgt Ion:152 Resp: 33249  
Ion Ratio Lower Upper  
152 100  
150 156.6 112.4 168.6  
115 59.6 44.6 66.8



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

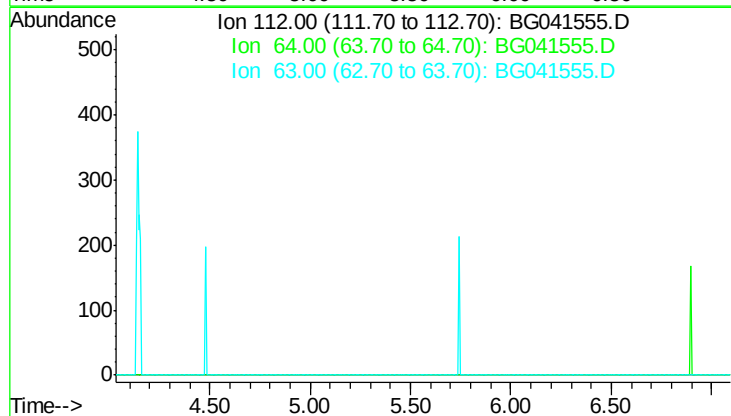


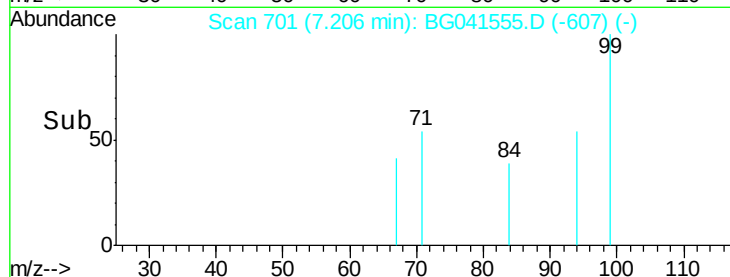
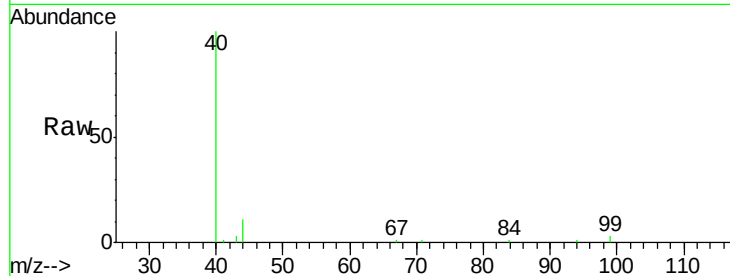
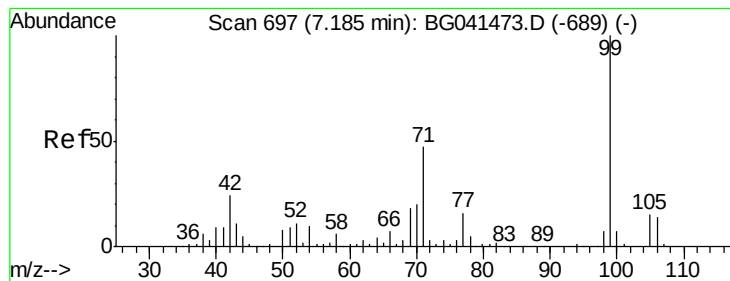
#5

2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.56 min

Lab File: BG041555.D  
Acq: 1 Jul 2019 12:32

Tgt Ion: 112  
Sig Exp Ratio  
112 100  
64 68.9  
63 40.5





#7

Phenol-d6

Concen: 0.186 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.02 min

Lab File: BG041555.D

Acq: 1 Jul 2019 12:32

Instrument :

BNA\_G

ClientSampleId :

WASTE-SLUDGERE

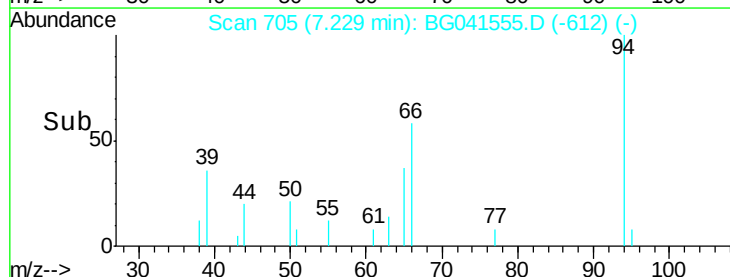
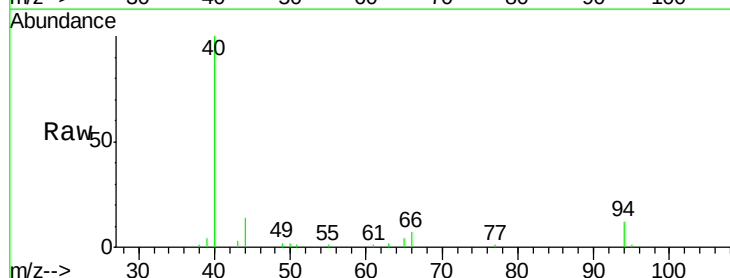
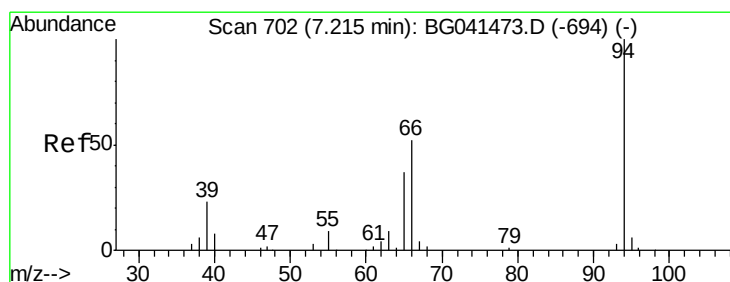
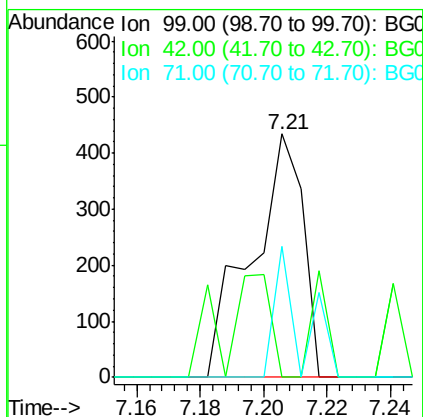
Tgt Ion: 99 Resp: 489

Ion Ratio Lower Upper

99 100

42 0.0 19.0 28.6#

71 53.9 37.4 56.2



#10

Phenol

Concen: 2.175 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG041555.D

Acq: 1 Jul 2019 12:32

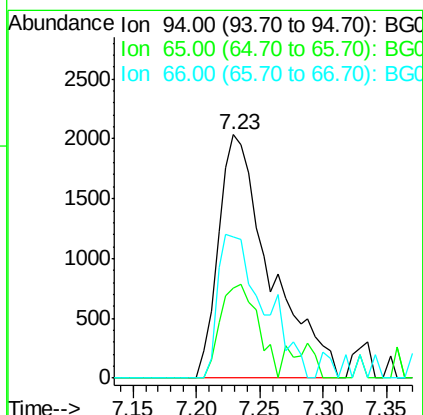
Tgt Ion: 94 Resp: 5755

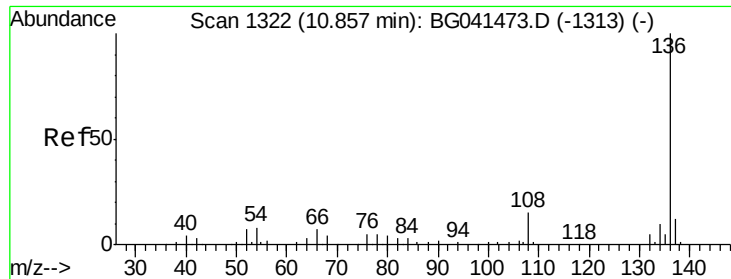
Ion Ratio Lower Upper

94 100

65 37.2 17.9 57.9

66 58.1 34.4 74.4

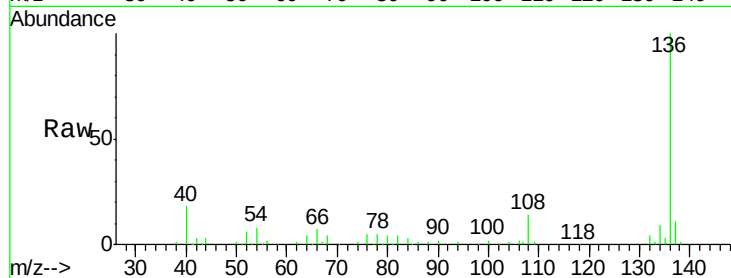




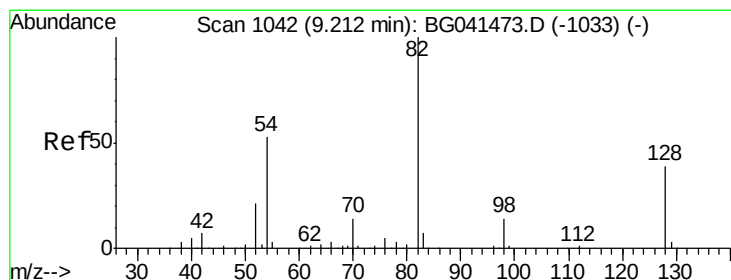
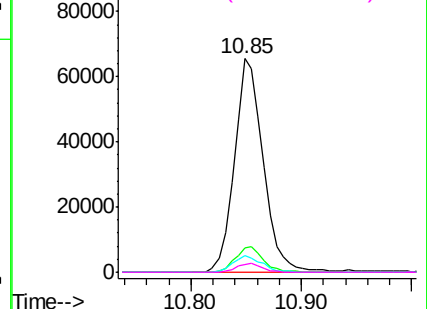
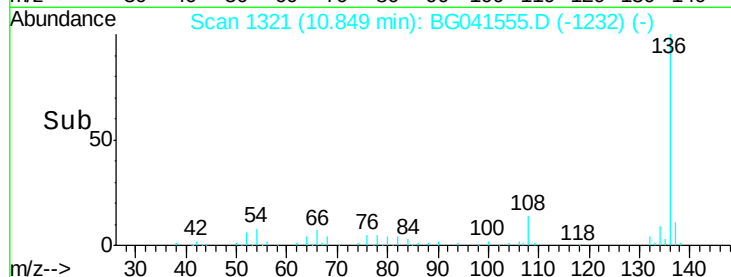
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.85 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BG041555.D  
Acq: 1 Jul 2019 12:32

Instrument :  
BNA\_G  
ClientSampleId :  
WASTE-SLUDGERE

Tgt Ion: 136 Resp: 119763  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.3 13.9  
54 8.1 7.1 10.7  
68 3.8 3.3 4.9

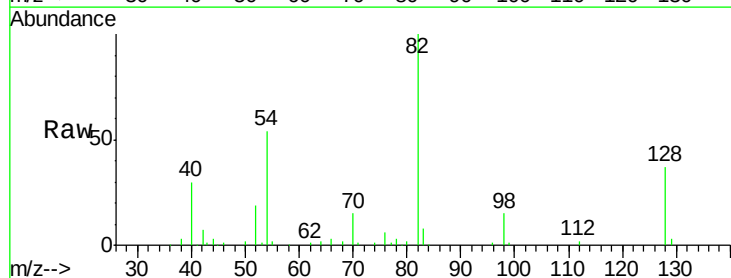


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

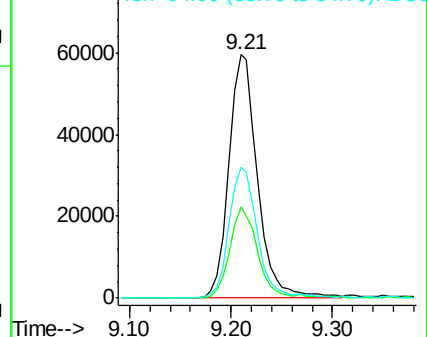
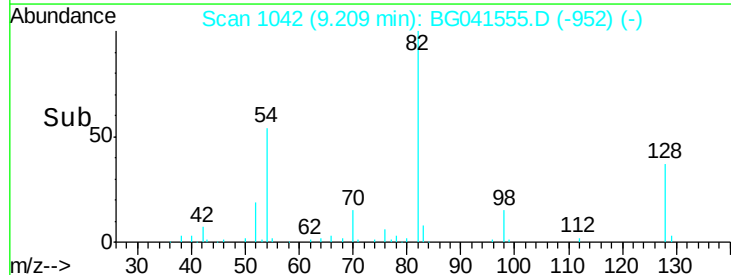


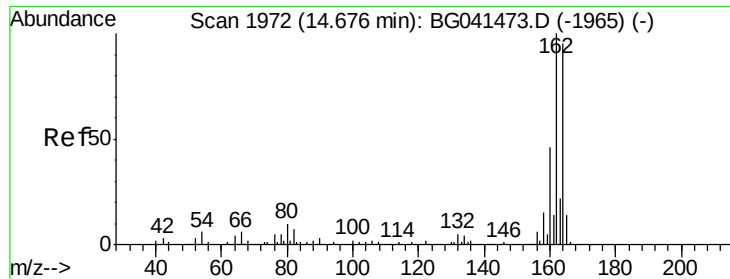
#23  
Nitrobenzene-d5  
Concen: 40.626 ng  
RT: 9.21 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BG041555.D  
Acq: 1 Jul 2019 12:32

Tgt Ion: 82 Resp: 116659  
Ion Ratio Lower Upper  
82 100  
128 37.4 30.9 46.3  
54 53.9 42.2 63.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG041555.D

Acq: 1 Jul 2019 12:32

Instrument :

BNA\_G

ClientSampleId :

WASTE-SLUDGERE

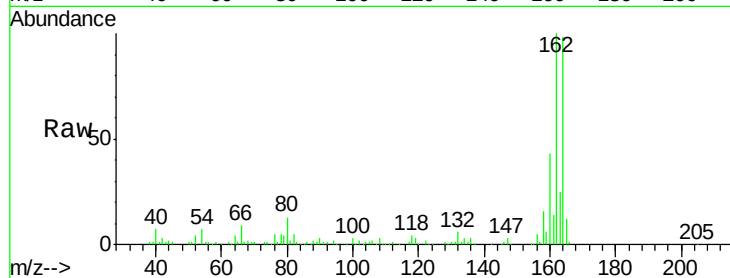
Tgt Ion:164 Resp: 86667

Ion Ratio Lower Upper

164 100

162 102.4 84.4 126.6

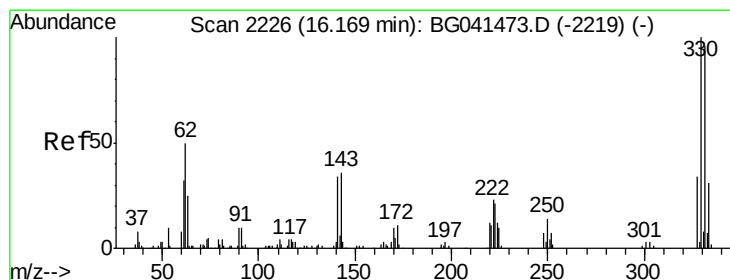
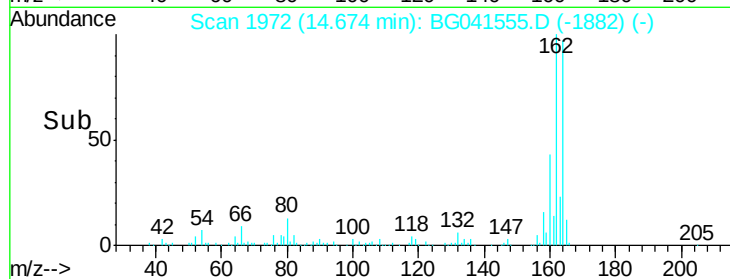
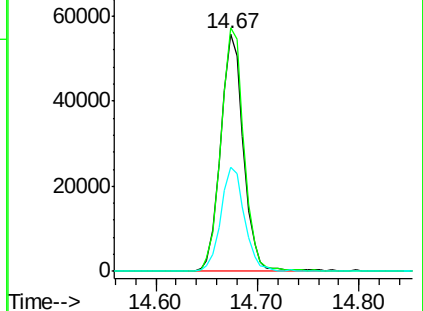
160 44.0 38.8 58.2



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



#42

2,4,6-Tribromophenol

Concen: 0.082 ng

RT: 16.18 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BG041555.D

Acq: 1 Jul 2019 12:32

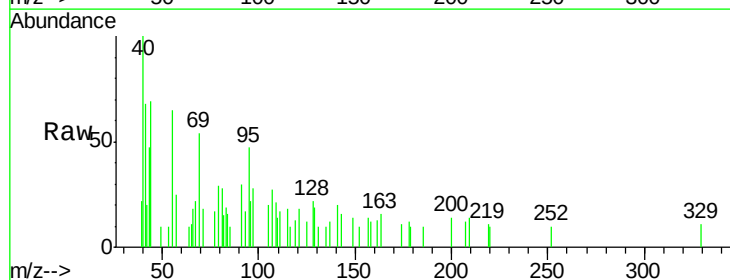
Tgt Ion:330 Resp: 121

Ion Ratio Lower Upper

330 100

332 56.2 75.5 113.3#

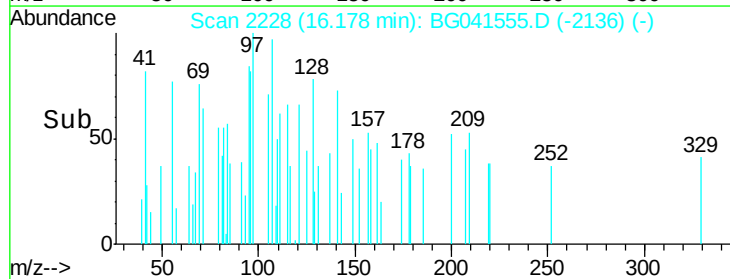
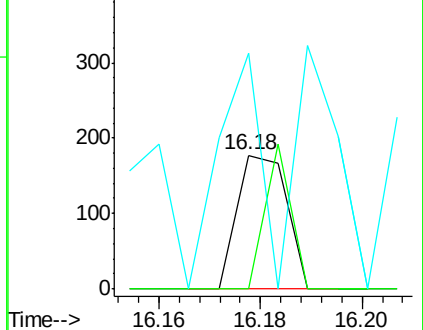
141 149.6 27.8 41.6#

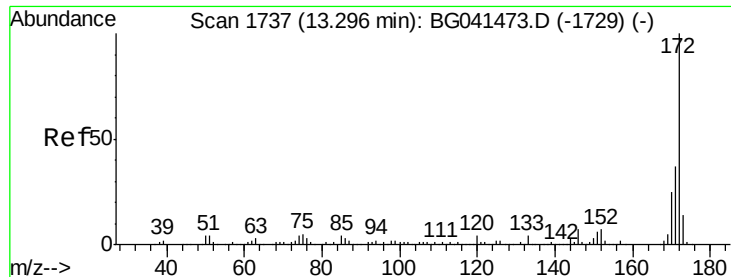


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

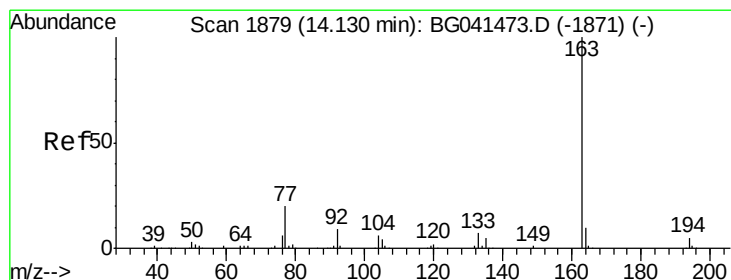
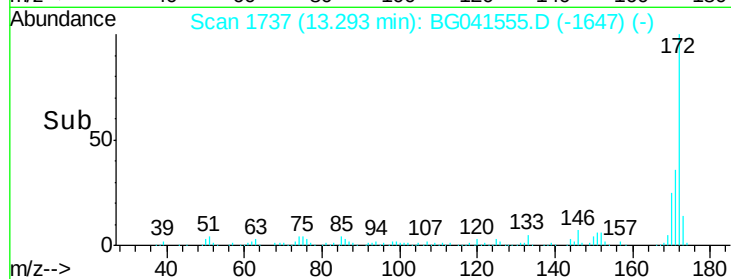
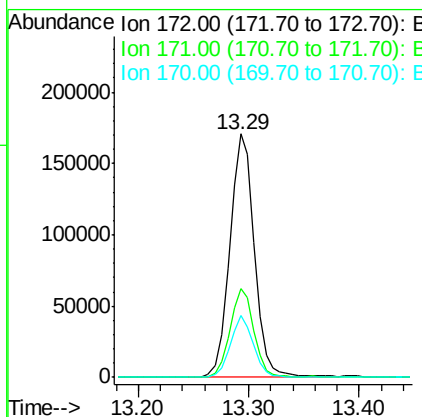
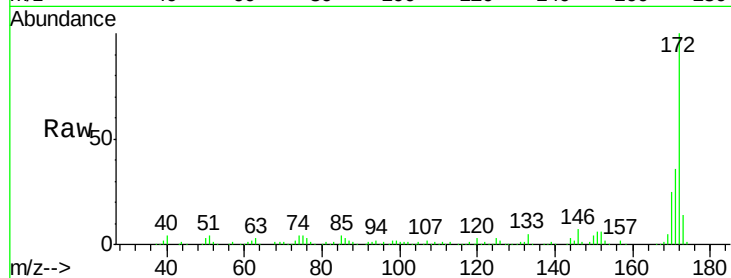




#45  
 2-Fluorobiphenyl  
 Concen: 39.399 ng  
 RT: 13.29 min Scan# 1737  
 Delta R.T. -0.00 min  
 Lab File: BG041555.D  
 Acq: 1 Jul 2019 12:32

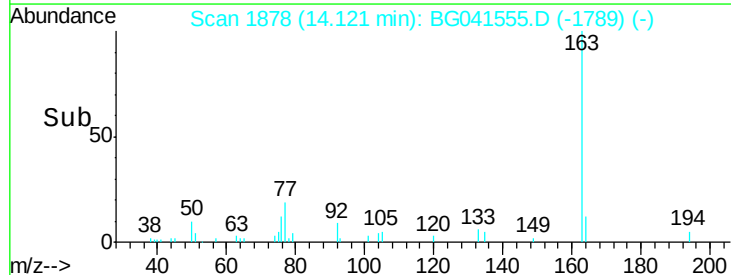
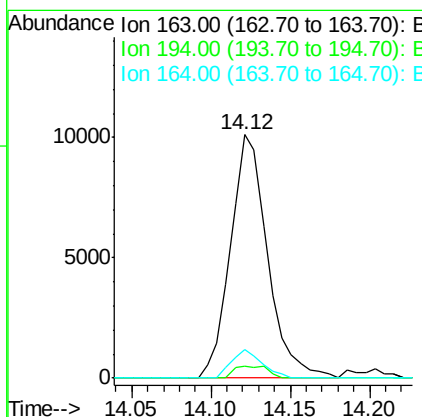
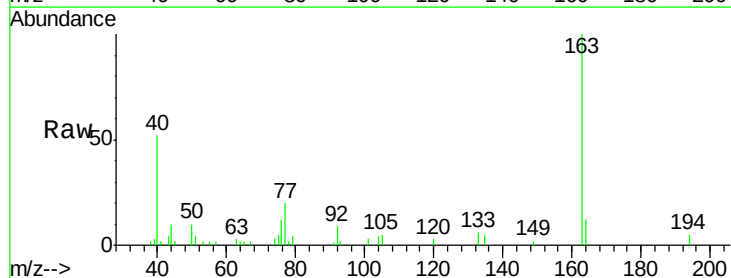
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WASTE-SLUDGERE

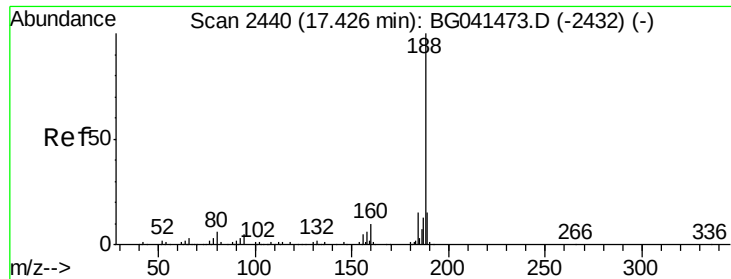
Tgt Ion:172 Resp: 266086  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.6 44.4  
 170 25.3 20.0 30.0



#50  
 Dimethylphthalate  
 Concen: 2.073 ng  
 RT: 14.12 min Scan# 1878  
 Delta R.T. -0.01 min  
 Lab File: BG041555.D  
 Acq: 1 Jul 2019 12:32

Tgt Ion:163 Resp: 16351  
 Ion Ratio Lower Upper  
 163 100  
 194 4.9 3.7 5.5  
 164 12.0 7.8 11.6#

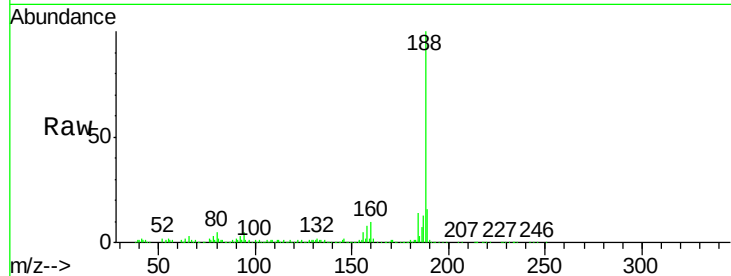




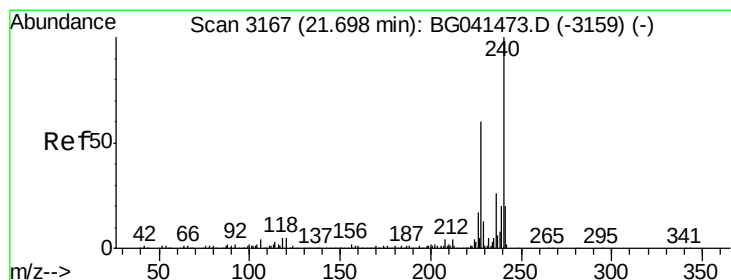
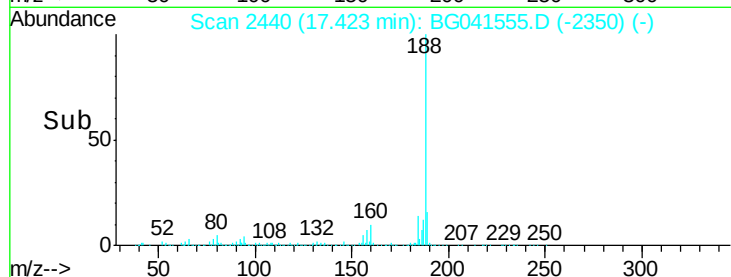
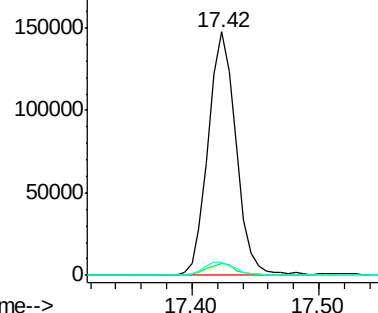
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2440  
Delta R.T. -0.00 min  
Lab File: BG041555.D  
Acq: 1 Jul 2019 12:32

Instrument :  
BNA\_G  
ClientSampleId :  
WASTE-SLUDGERE

Tgt Ion:188 Resp: 224998  
Ion Ratio Lower Upper  
188 100  
94 4.7 3.8 5.8  
80 5.4 4.8 7.2

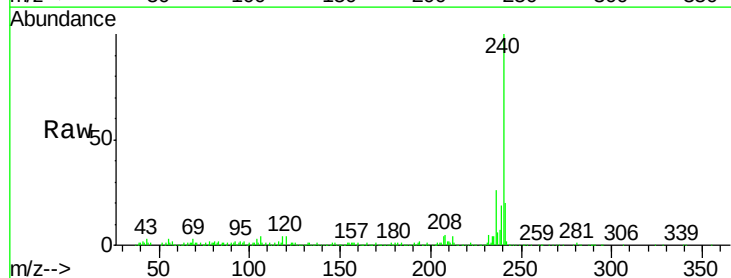


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

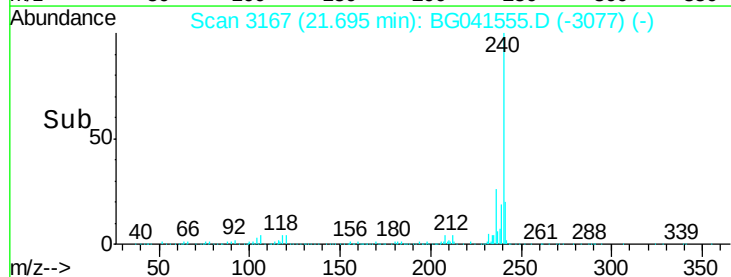
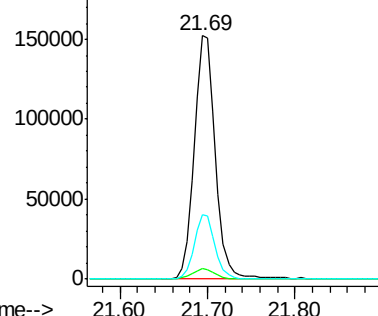


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.69 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: BG041555.D  
Acq: 1 Jul 2019 12:32

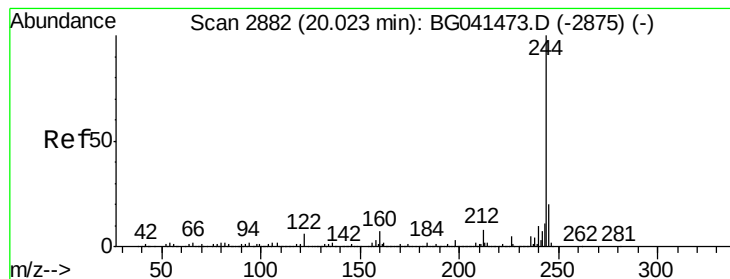
Tgt Ion:240 Resp: 254583  
Ion Ratio Lower Upper  
240 100  
120 4.4 3.7 5.5  
236 26.4 20.8 31.2



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







#79

Terphenyl-d14

Concen: 37.309 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG041555.D

Acq: 1 Jul 2019 12:32

Instrument :

BNA\_G

ClientSampleId :

WASTE-SLUDGERE

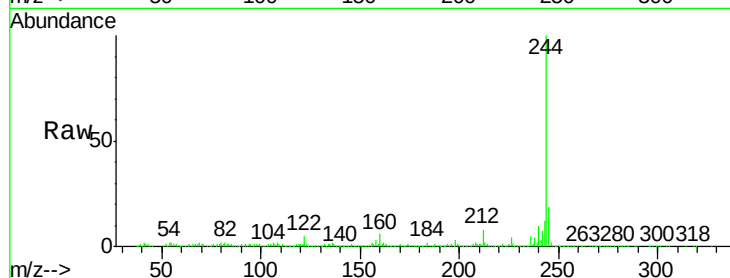
Tgt Ion:244 Resp: 446961

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

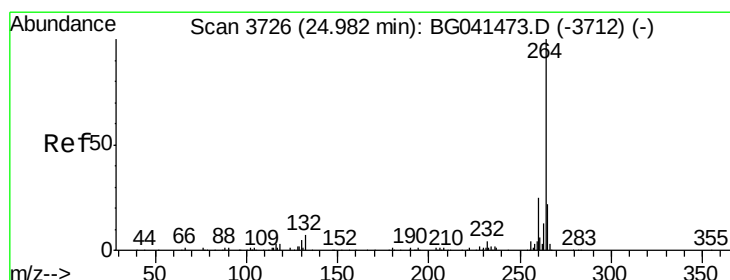
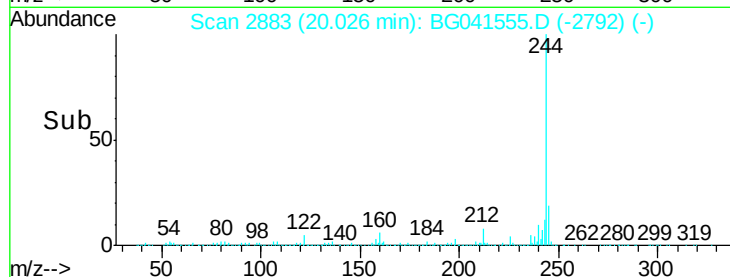
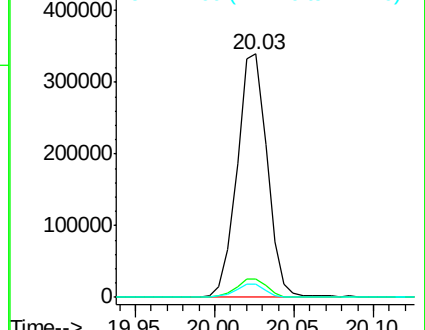
122 5.3 4.8 7.2



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: 24.98 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BG041555.D

Acq: 1 Jul 2019 12:32

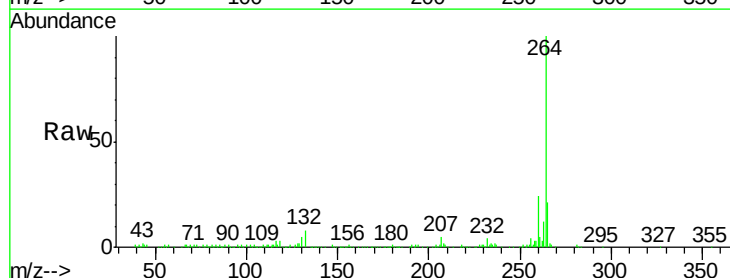
Tgt Ion:264 Resp: 279999

Ion Ratio Lower Upper

264 100

260 23.8 19.7 29.5

265 20.9 17.4 26.2



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

