

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\  
 Data File : BG044381.D  
 Acq On : 11 Feb 2020 9:06  
 Operator : CG/JU  
 Sample : L1470-10  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WS-1A-(DUPLICATE)

Quant Time: Feb 11 14:00:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

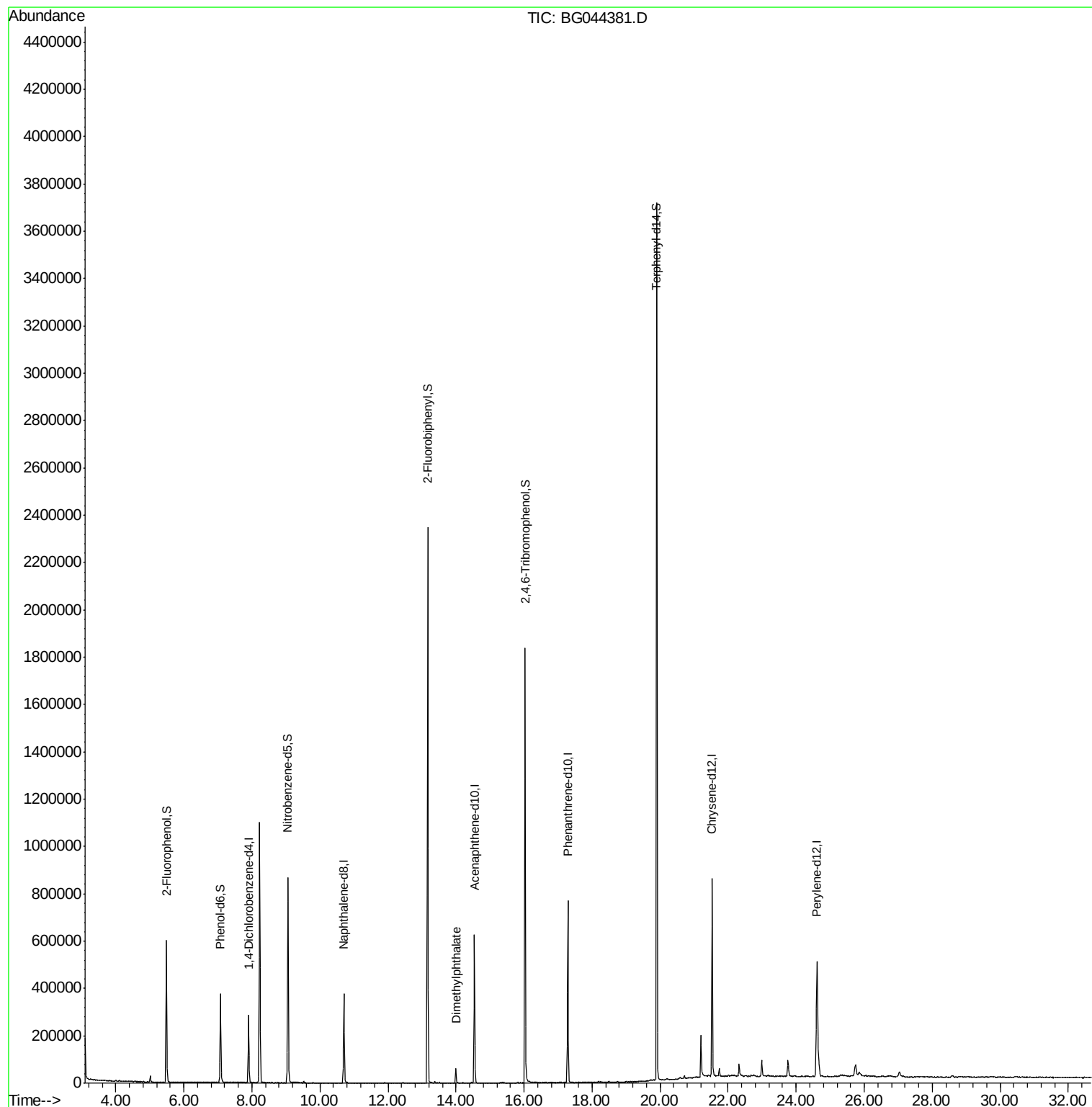
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.90  | 152  | 88550    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.70 | 136  | 352556   | 20.00  | ng    | 0.00         |
| 39) Acenaphthene-d10        | 14.54 | 164  | 221707   | 20.00  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 17.29 | 188  | 492692   | 20.00  | ng    | 0.00         |
| 76) Chrysene-d12            | 21.53 | 240  | 477753   | 20.00  | ng    | 0.00         |
| 87) Perylene-d12            | 24.61 | 264  | 496146   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.49  | 112  | 316462   | 63.07  | ng    | 0.00         |
| 7) Phenol-d6                | 7.07  | 99   | 254337   | 37.75  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.06  | 82   | 565766   | 90.60  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 16.03 | 330  | 367740   | 141.29 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 13.17 | 172  | 1269747  | 95.90  | ng    | 0.00         |
| 79) Terphenyl-d14           | 19.91 | 244  | 1825920  | 78.61  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 13.99 | 163  | 45930    | 2.882  | ng    | Qvalue<br>98 |

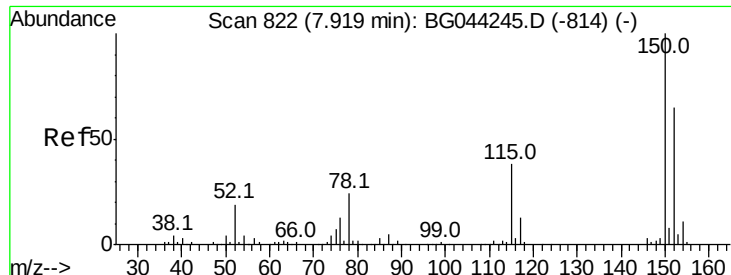
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
WS-1A-(DUPLICATE)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 10 16:11:50 2020  
Response via : Initial Calibration



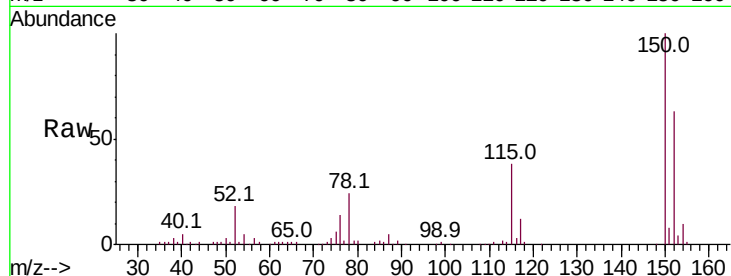


#1

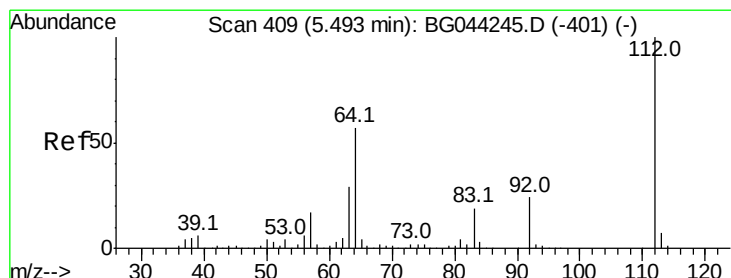
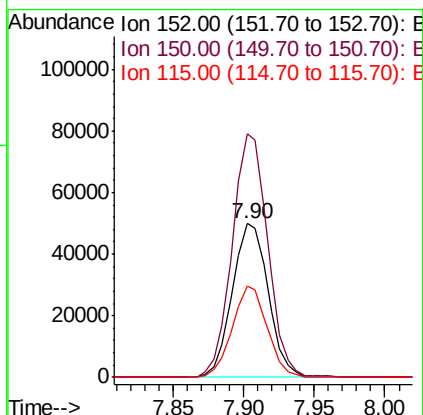
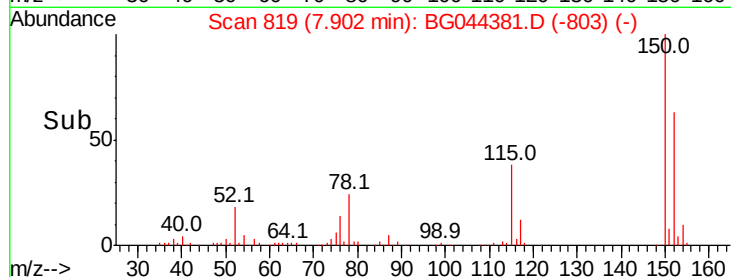
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.90 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BG044381.D  
 Acq: 11 Feb 2020 9:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WS-1A-(DUPLICATE)

Tot Ion:152 Resp: 88550  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 122.6 183.8  
 115 59.5 46.0 69.0



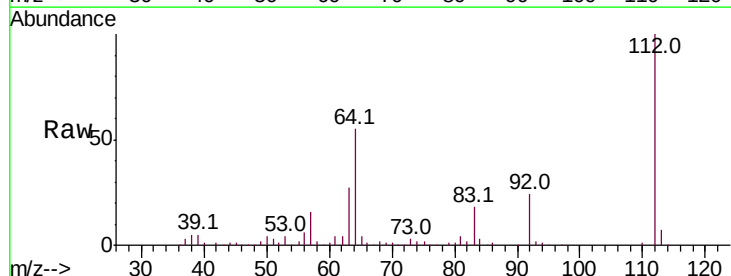
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



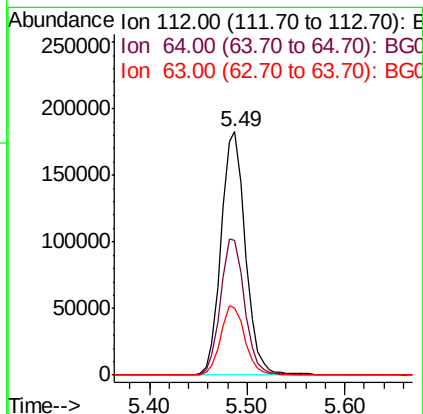
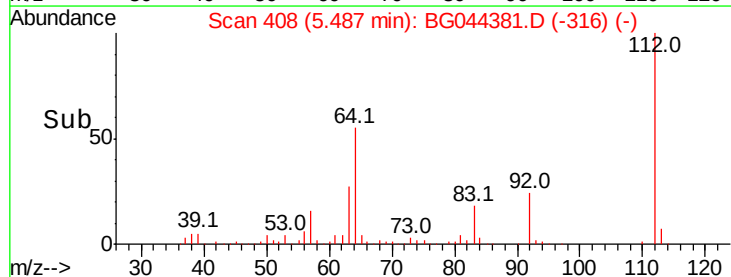
#5

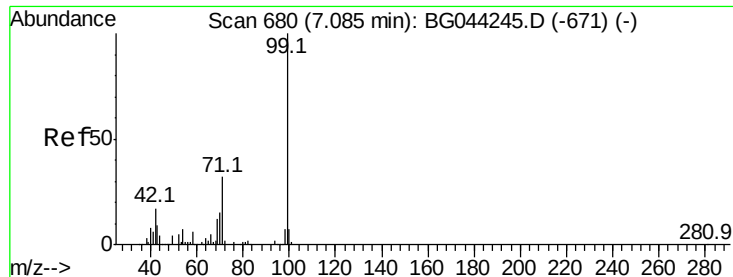
2-Fluorophenol  
 Concen: 63.072 ng  
 RT: 5.49 min Scan# 408  
 Delta R.T. 0.01 min  
 Lab File: BG044381.D  
 Acq: 11 Feb 2020 9:06

Tgt Ion:112 Resp: 316462  
 Ion Ratio Lower Upper  
 112 100  
 64 55.3 45.4 68.2  
 63 27.4 22.9 34.3



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: 37.748 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA\_G

ClientSampleId :

WS-1A-(DUPLICATE)

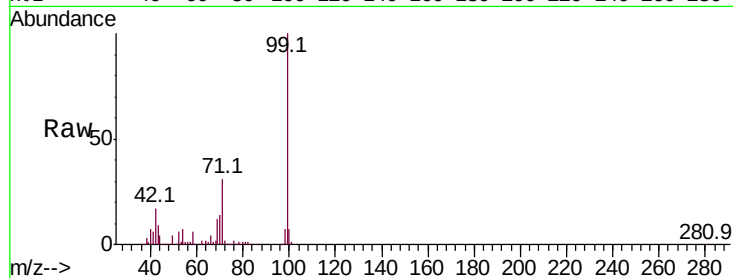
Tot Ion: 99 Resp: 254337

Ion Ratio Lower Upper

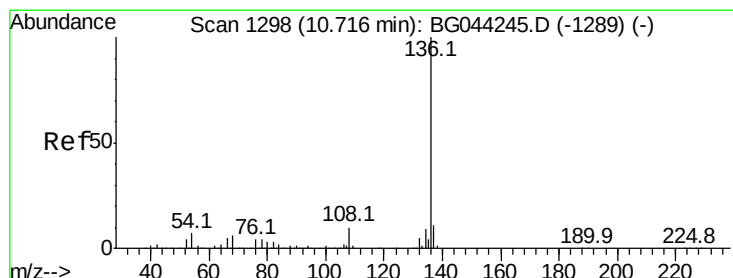
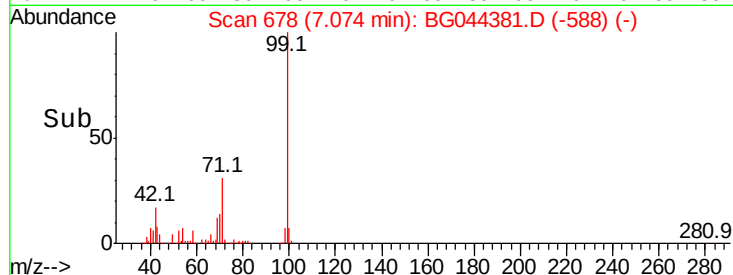
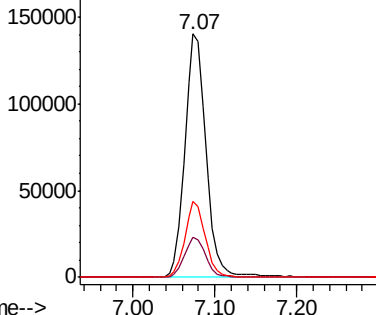
99 100

42 16.7 13.8 20.6

71 31.0 25.5 38.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.70 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Tgt Ion: 136 Resp: 352556

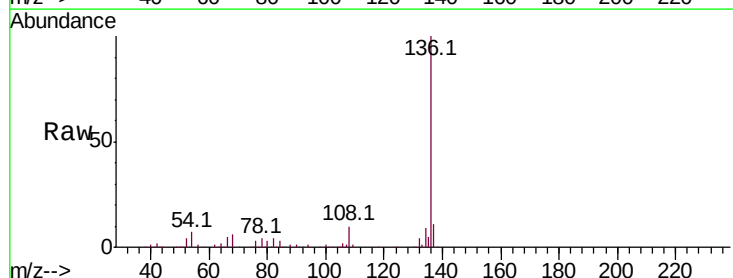
Ion Ratio Lower Upper

136 100

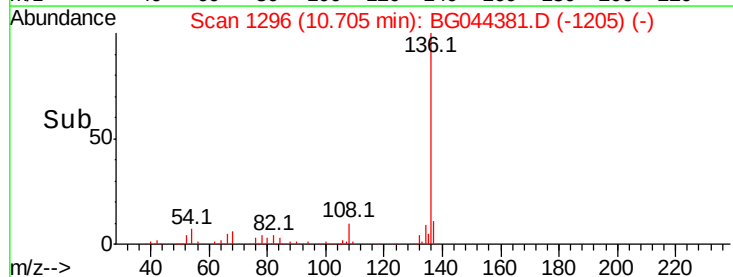
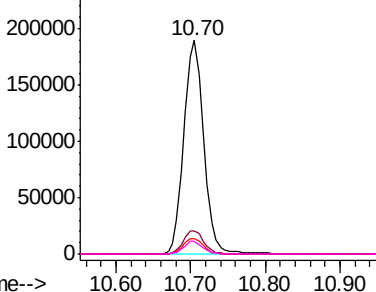
137 11.0 8.8 13.2

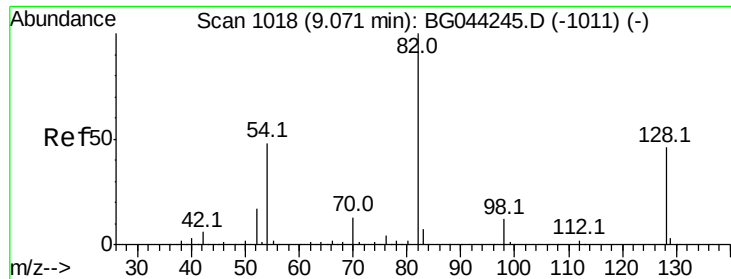
54 7.4 5.8 8.8

68 6.0 4.6 6.8



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

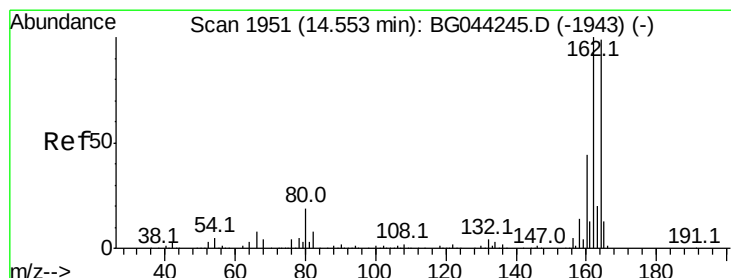
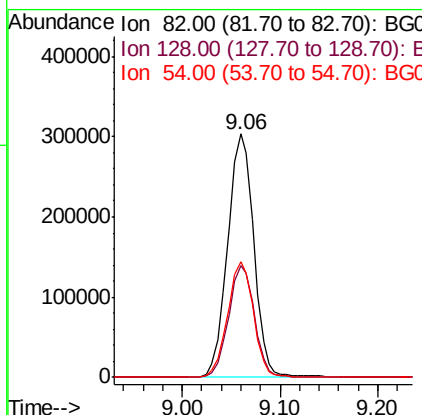
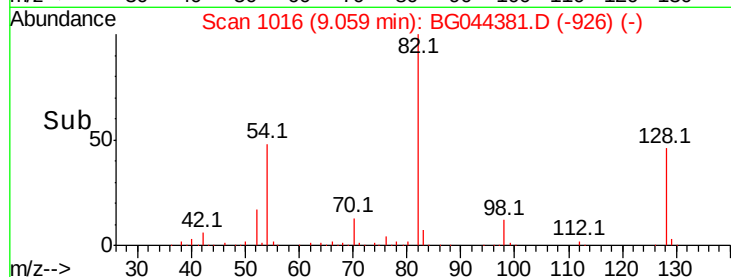
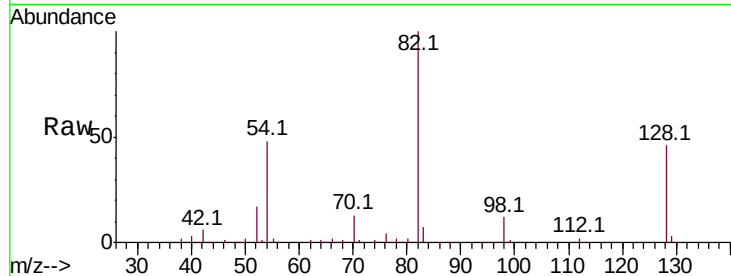




#23  
Nitrobenzene-d5  
Concen: 90.599 ng  
RT: 9.06 min Scan# 1016  
Delta R.T. -0.00 min  
Lab File: BG044381.D  
Acq: 11 Feb 2020 9:06

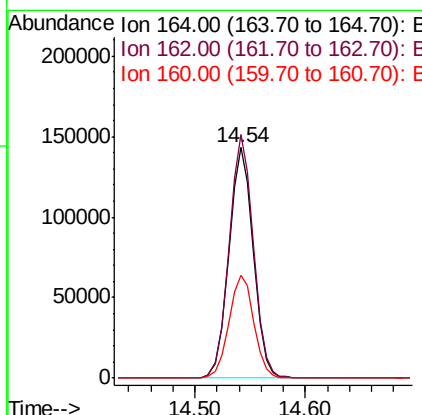
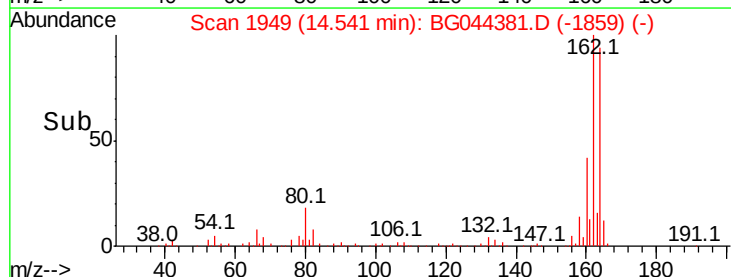
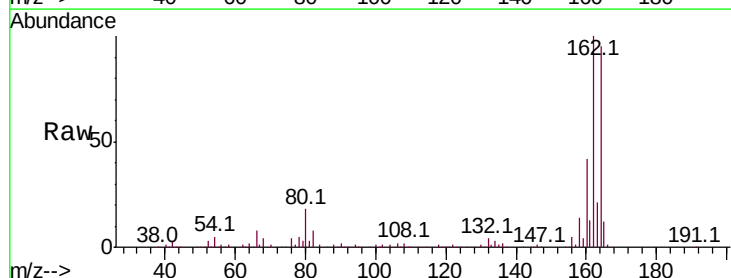
Instrument :  
BNA\_G  
ClientSampleId :  
WS-1A-(DUPLICATE)

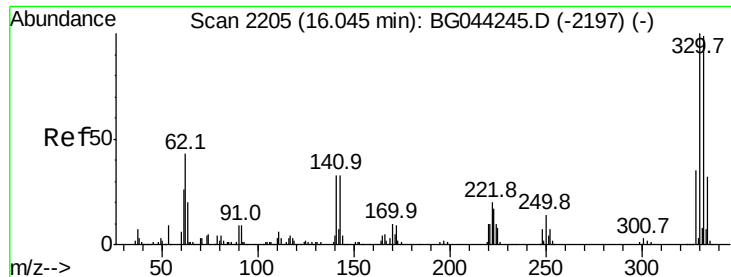
Tot Ion: 82 Resp: 565766  
Ion Ratio Lower Upper  
82 100  
128 45.9 36.5 54.7  
54 47.5 38.6 58.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.54 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: BG044381.D  
Acq: 11 Feb 2020 9:06

Tgt Ion:164 Resp: 221707  
Ion Ratio Lower Upper  
164 100  
162 105.7 80.7 121.1  
160 44.4 35.3 52.9

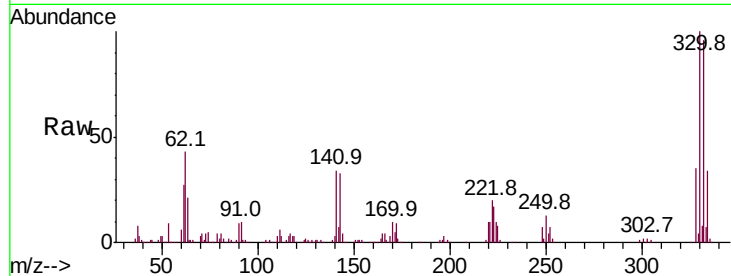




#42  
 2,4,6-Tribromophenol  
 Concen: 141.291 ng  
 RT: 16.03 min Scan# 2203  
 Delta R.T. 0.00 min  
 Lab File: BG044381.D  
 Acq: 11 Feb 2020 9:06

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WS-1A-(DUPLICATE)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.2  | 115.8 |
| 141     | 36.0  | 28.3  | 42.5  |

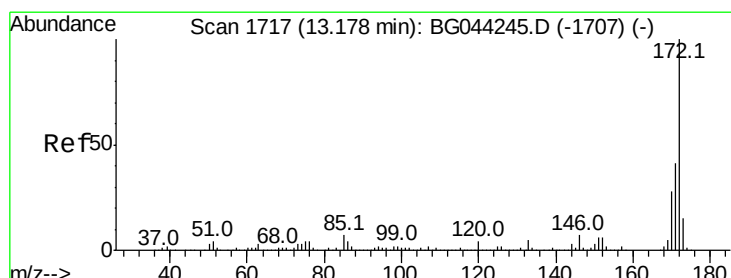
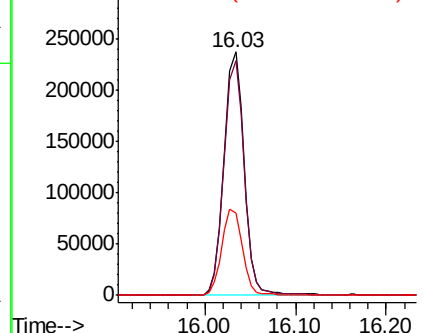
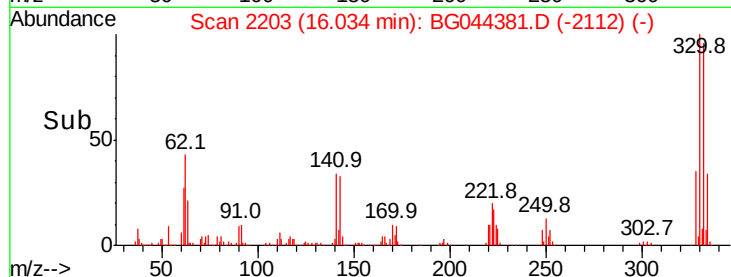


Abundance

Ion 329.80 (329.50 to 330.50): E

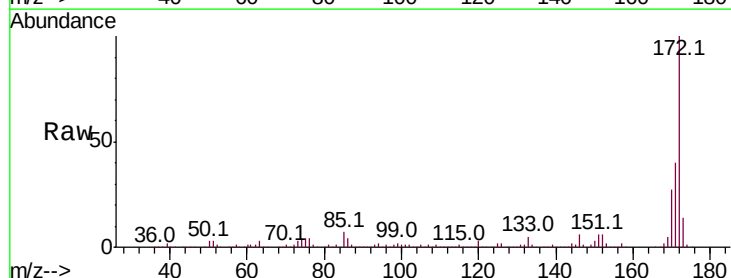
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 95.904 ng  
 RT: 13.17 min Scan# 1715  
 Delta R.T. 0.00 min  
 Lab File: BG044381.D  
 Acq: 11 Feb 2020 9:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.6  | 32.9  | 49.3  |
| 170     | 26.7  | 22.0  | 33.0  |

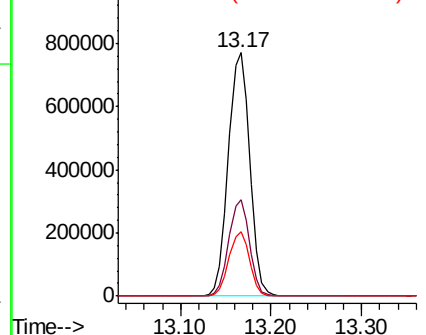
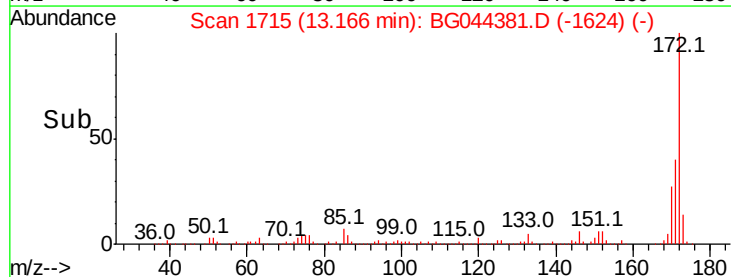


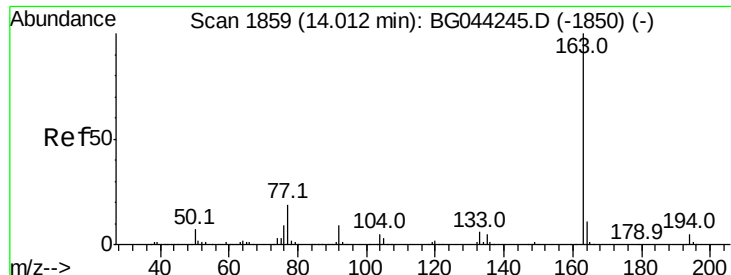
Abundance

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: 2.882 ng

RT: 13.99 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA\_G

ClientSampleId :

WS-1A-(DUPLICATE)

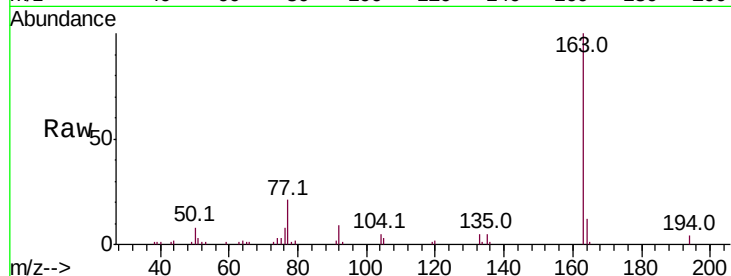
Tot Ion:163 Resp: 45930

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

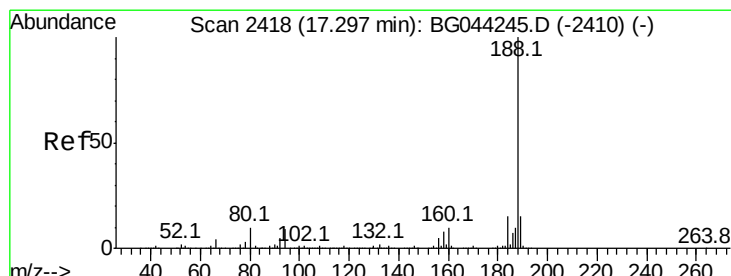
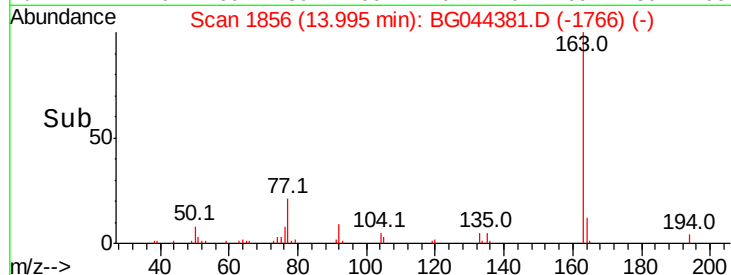
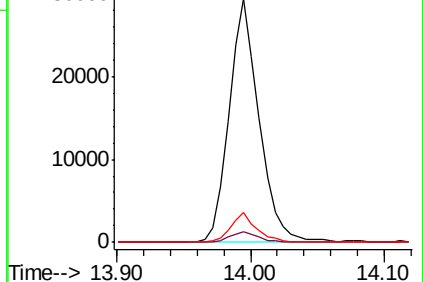
164 12.0 8.7 13.1



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.29 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

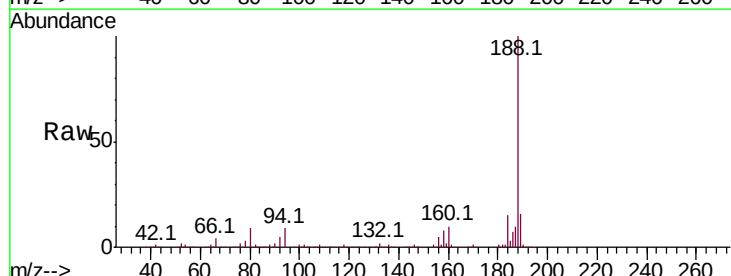
Tgt Ion:188 Resp: 492692

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

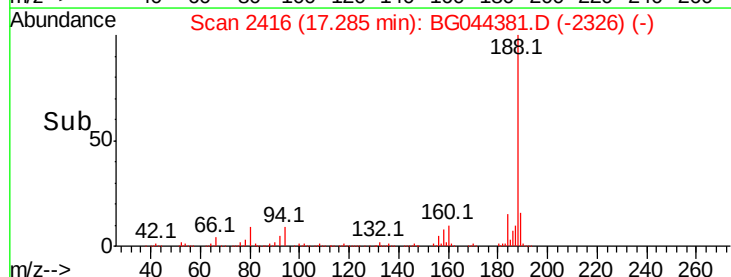
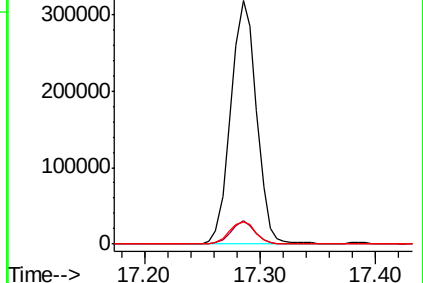
80 9.2 7.7 11.5

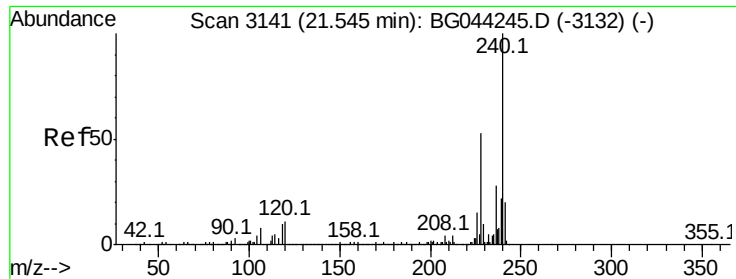


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.53 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA\_G

ClientSampleId :

WS-1A-(DUPLICATE)

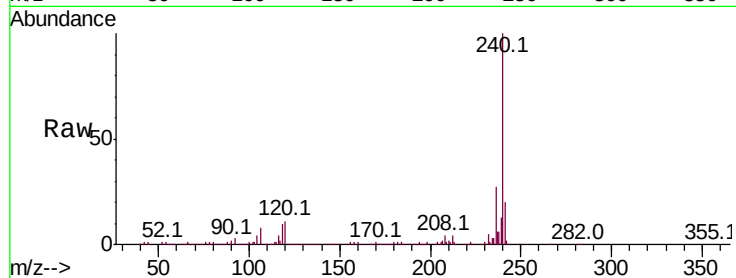
Tot Ion:240 Resp: 477753

Ion Ratio Lower Upper

240 100

120 10.5 8.4 12.6

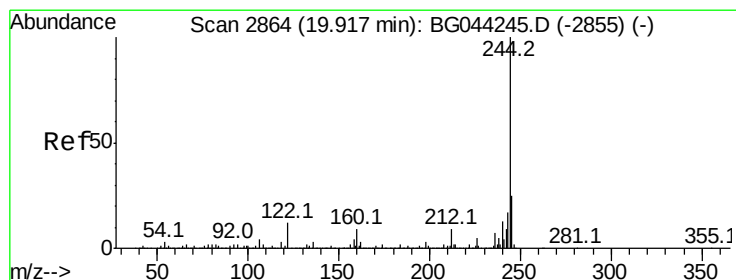
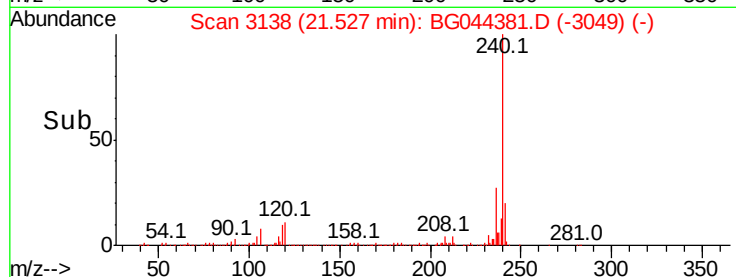
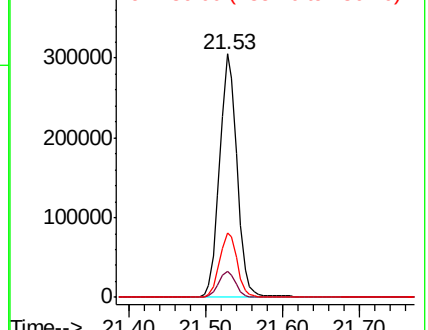
236 26.6 22.1 33.1



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: 78.611 ng

RT: 19.91 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

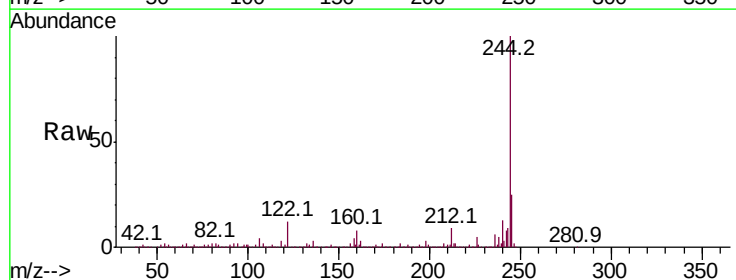
Tgt Ion:244 Resp: 1825920

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.2

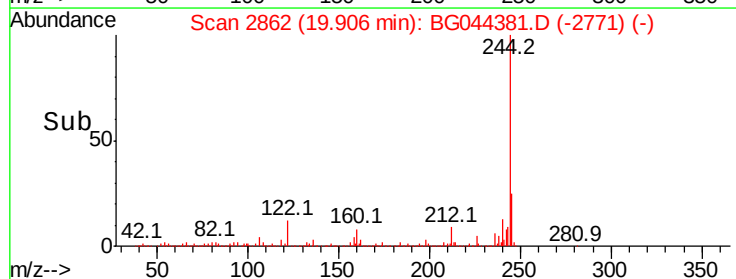
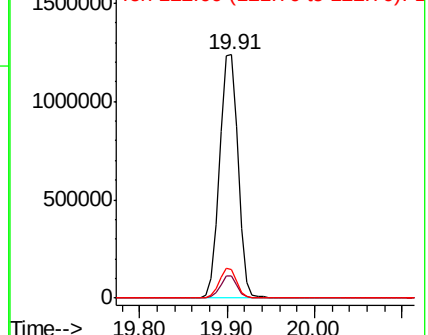
122 11.7 9.8 14.6



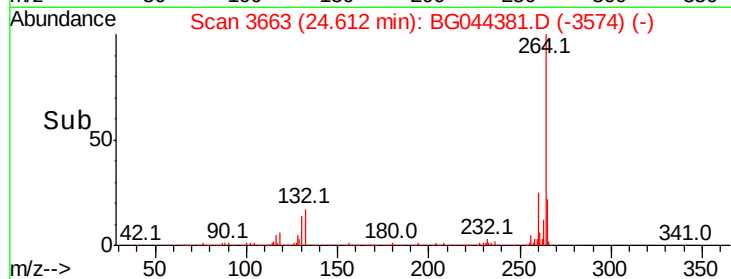
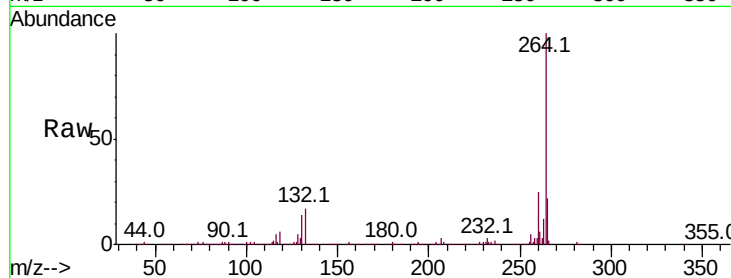
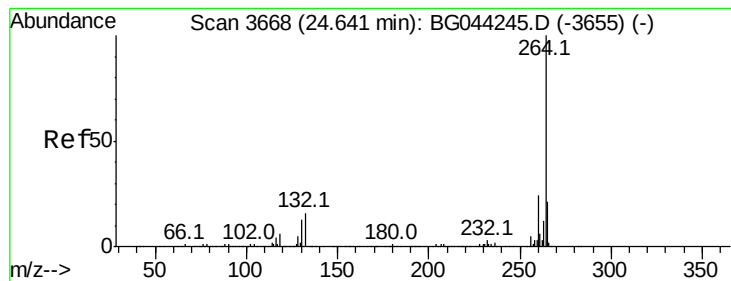
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.61 min Scan# 3663

Delta R.T. -0.01 min

Lab File: BG044381.D

Acq: 11 Feb 2020 9:06

Instrument :

BNA\_G

ClientSampleId :

WS-1A-(DUPLICATE)

Tot Ion:264 Resp: 496146

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 22.4 16.7 25.1

