

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\  
 Data File : BG043698.D  
 Acq On : 19 Nov 2019 15:01  
 Operator : JU  
 Sample : K5863-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-COMP

Quant Time: Nov 19 15:42:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 19 15:23:15 2019  
 Response via : Initial Calibration

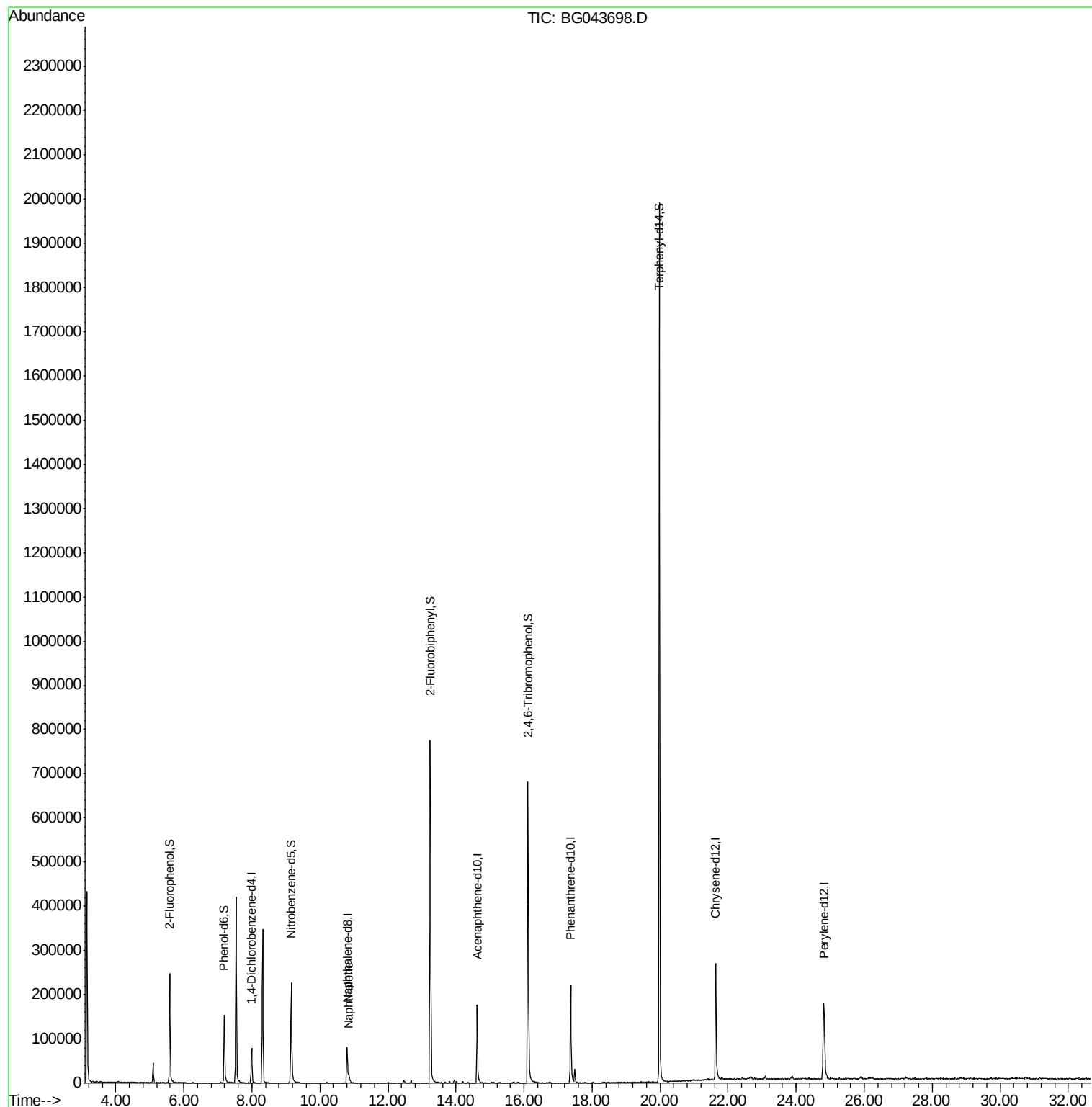
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.99  | 152  | 23743    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.80 | 136  | 85895    | 20.00  | ng    | 0.01           |
| 39) Acenaphthene-d10        | 14.62 | 164  | 71731    | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 17.37 | 188  | 180863   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 21.63 | 240  | 205268   | 20.00  | ng    | 0.00           |
| 87) Perylene-d12            | 24.81 | 264  | 229335   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.58  | 112  | 118824   | 91.71  | ng    | 0.00           |
| 7) Phenol-d6                | 7.19  | 99   | 105880   | 56.80  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.15  | 82   | 163152   | 97.92  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 16.12 | 330  | 172615   | 126.45 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 13.24 | 172  | 474706   | 91.45  | ng    | 0.00           |
| 79) Terphenyl-d14           | 19.98 | 244  | 1122252  | 102.57 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 31) Naphthalene             | 10.85 | 128  | 14976    | 3.435  | ng    | Qvalue<br># 92 |

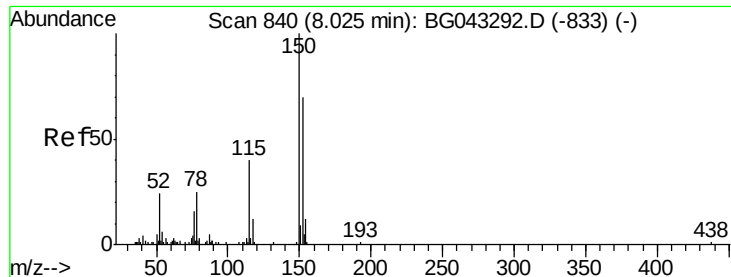
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 19 15:23:15 2019  
Response via : Initial Calibration



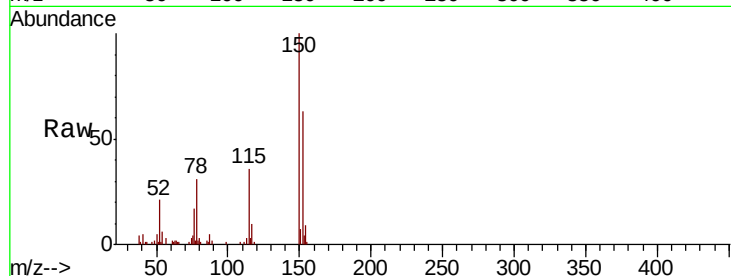


#1

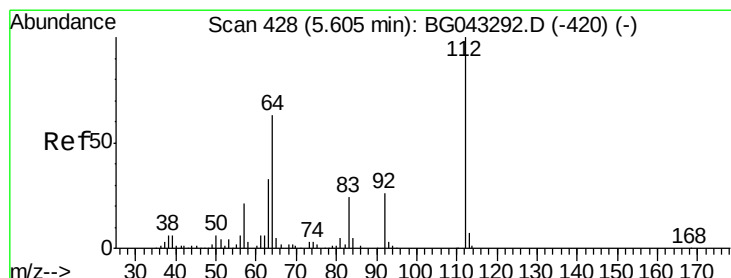
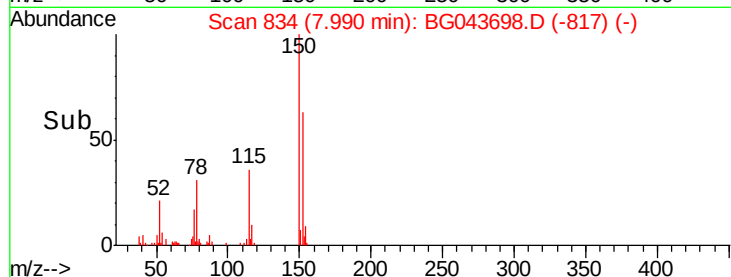
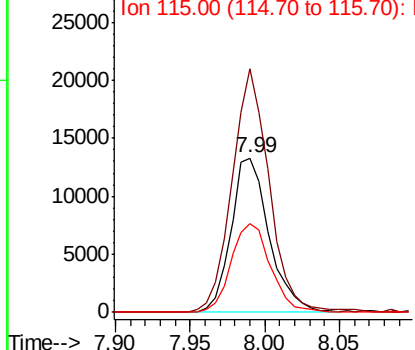
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 834  
Delta R.T. 0.00 min  
Lab File: BG043698.D  
Acq: 19 Nov 2019 15:01

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-COMP

Tot Ion:152 Resp: 23743  
Ion Ratio Lower Upper  
152 100  
150 157.6 116.6 175.0  
115 57.4 40.5 60.7



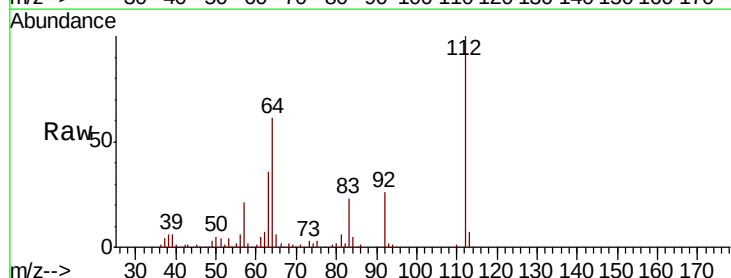
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



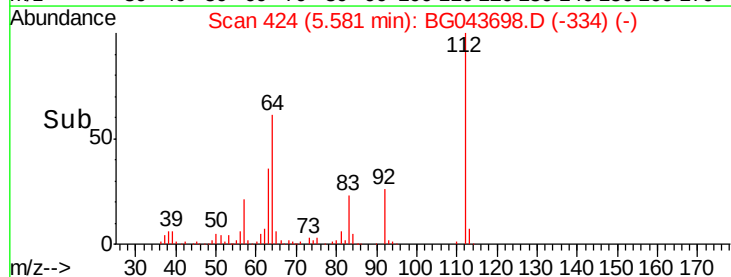
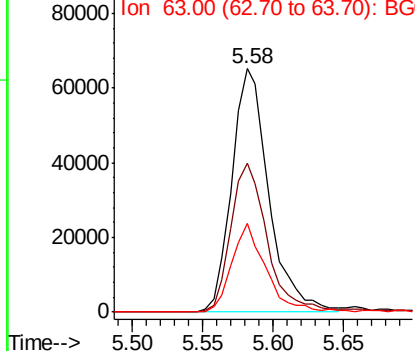
#5

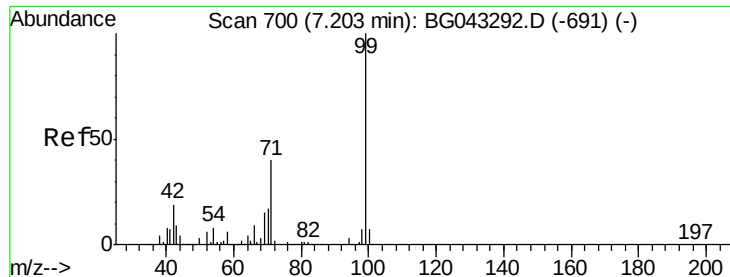
2-Fluorophenol  
Concen: 91.706 ng  
RT: 5.58 min Scan# 424  
Delta R.T. 0.00 min  
Lab File: BG043698.D  
Acq: 19 Nov 2019 15:01

Tgt Ion:112 Resp: 118824  
Ion Ratio Lower Upper  
112 100  
64 61.2 50.6 75.8  
63 36.2 30.5 45.7



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: 56.796 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG043698.D

Acq: 19 Nov 2019 15:01

Instrument :

BNA\_G

ClientSampleId :

TP-1-COMP

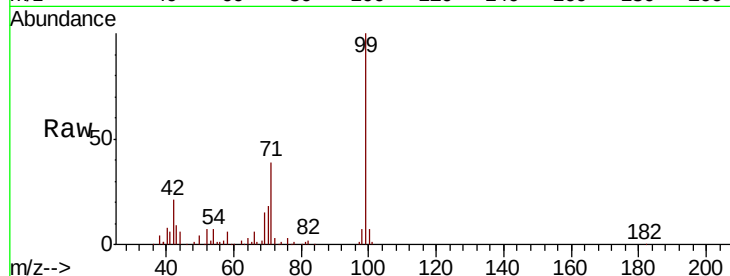
Tot Ion: 99 Resp: 105880

Ion Ratio Lower Upper

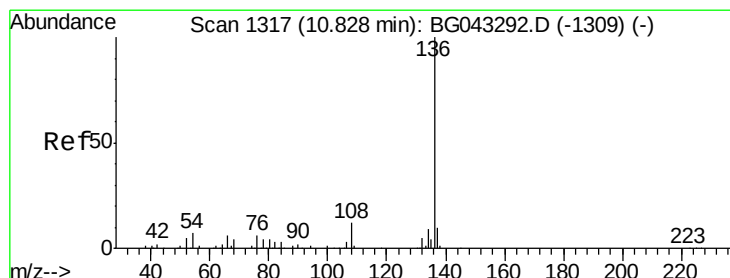
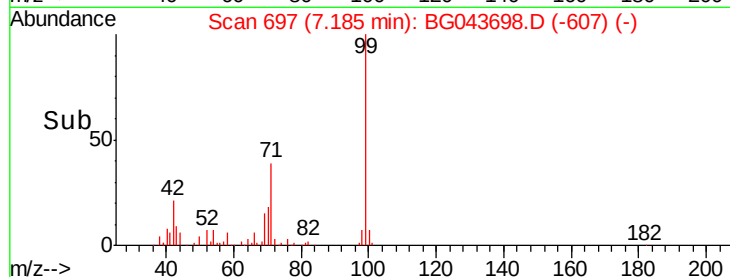
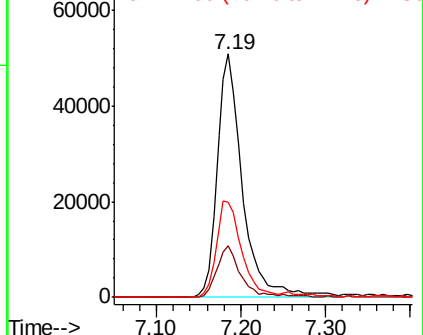
99 100

42 21.3 15.8 23.8

71 38.9 34.4 51.6



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: 10.80 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BG043698.D

Acq: 19 Nov 2019 15:01

Tgt Ion: 136 Resp: 85895

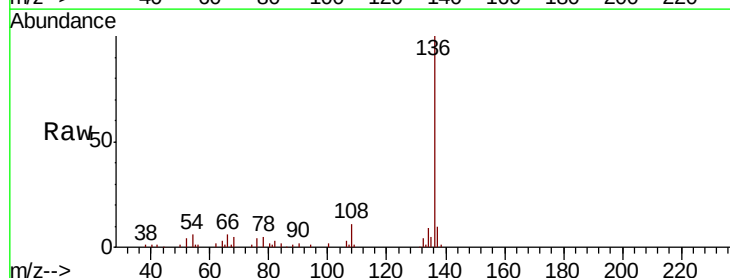
Ion Ratio Lower Upper

136 100

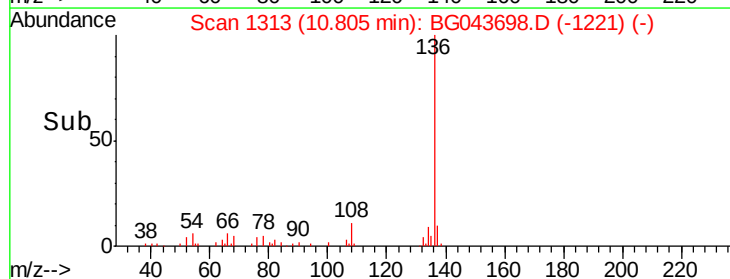
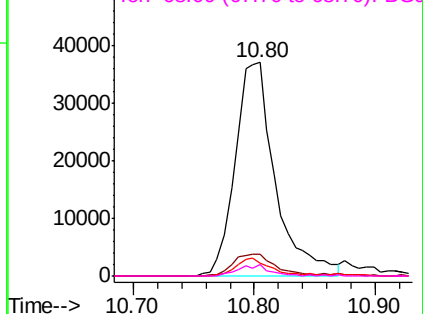
137 10.3 8.8 13.2

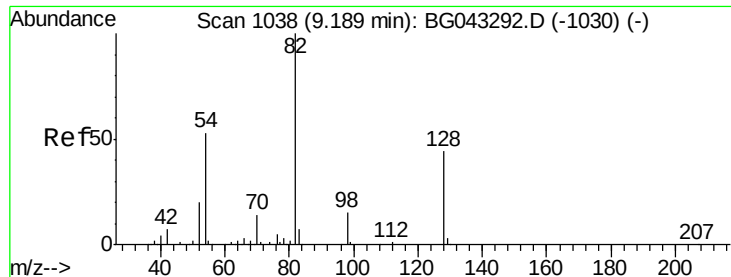
54 6.1 6.2 9.2#

68 5.3 3.4 5.0#



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

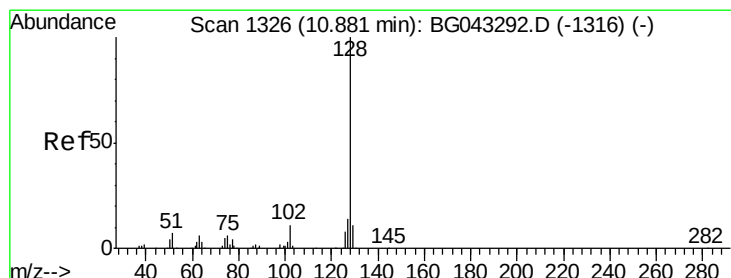
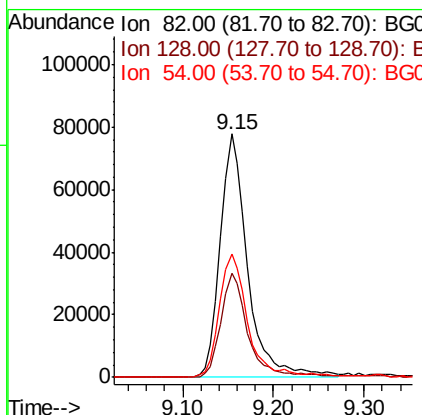
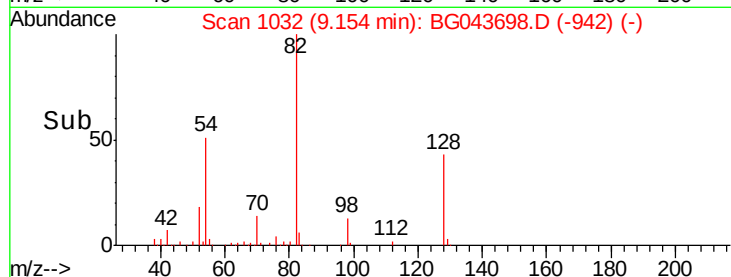
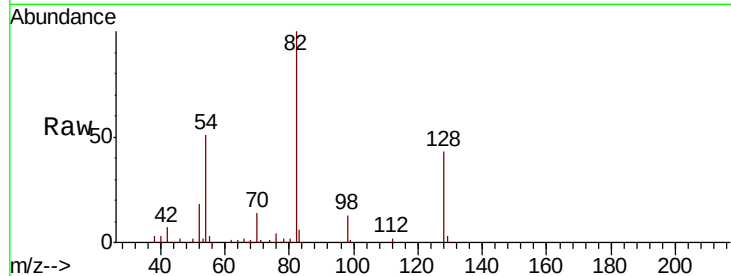




#23  
 Nitrobenzene-d5  
 Concen: 97.924 ng  
 RT: 9.15 min Scan# 1032  
 Delta R.T. 0.00 min  
 Lab File: BG043698.D  
 Acq: 19 Nov 2019 15:01

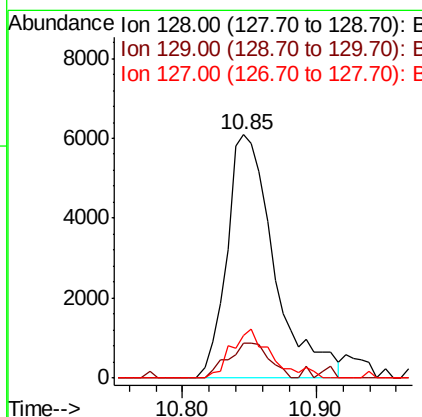
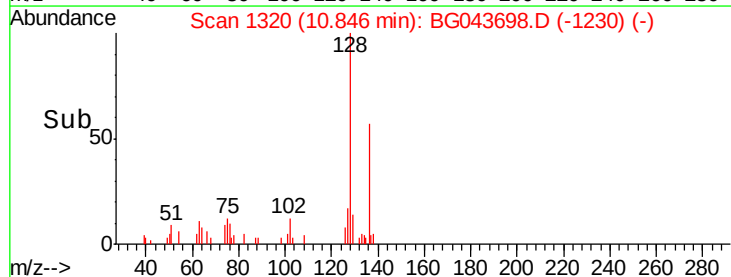
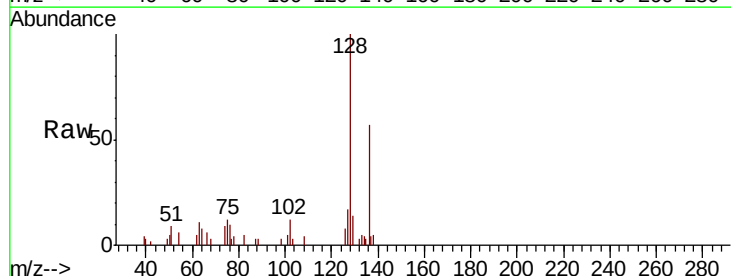
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-COMP

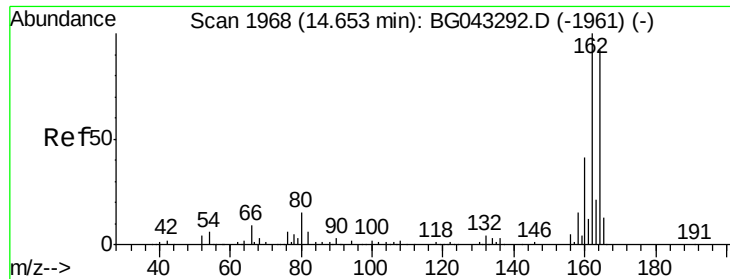
| Tot Ion   | 82    | Resp  | 163152 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.8  | 34.2  | 51.4   |
| 54        | 50.5  | 44.7  | 67.1   |



#31  
 Naphthalene  
 Concen: 3.435 ng  
 RT: 10.85 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: BG043698.D  
 Acq: 19 Nov 2019 15:01

| Tgt Ion   | 128   | Resp  | 14976 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 14.3  | 9.5   | 14.3# |
| 127       | 17.4  | 11.0  | 16.4# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BG043698.D

Acq: 19 Nov 2019 15:01

Instrument :

BNA\_G

ClientSampleId :

TP-1-COMP

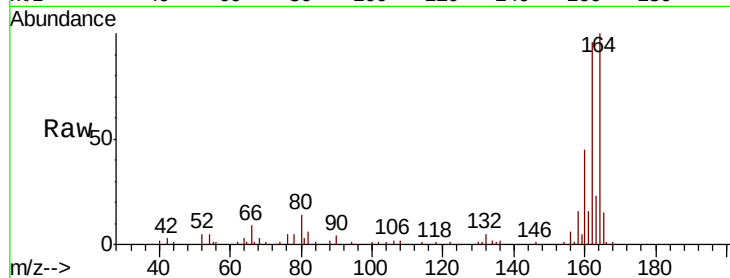
Tot Ion:164 Resp: 71731

Ion Ratio Lower Upper

164 100

162 96.2 79.4 119.2

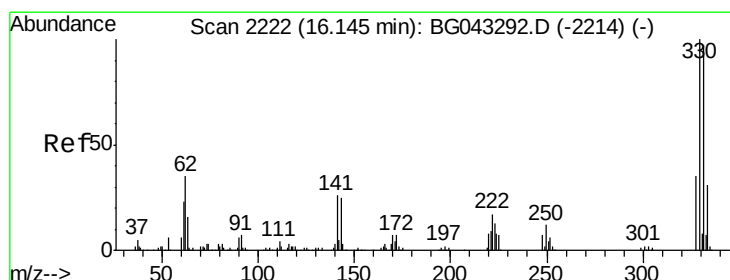
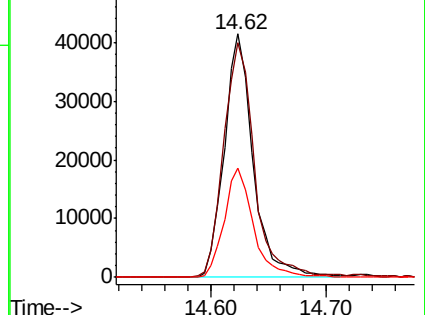
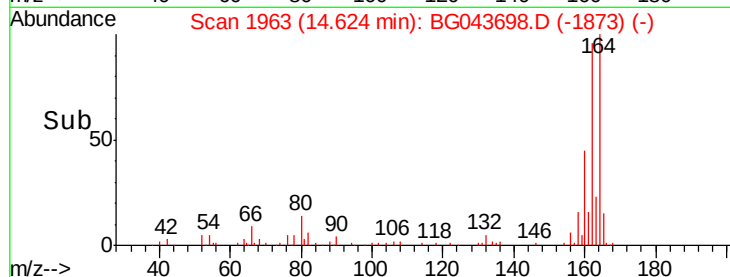
160 44.6 36.3 54.5



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: 126.454 ng

RT: 16.12 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BG043698.D

Acq: 19 Nov 2019 15:01

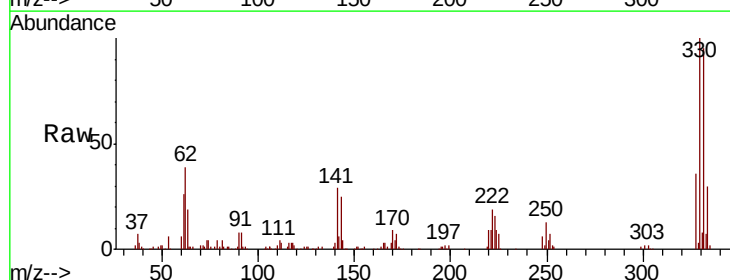
Tgt Ion:330 Resp: 172615

Ion Ratio Lower Upper

330 100

332 98.7 76.6 115.0

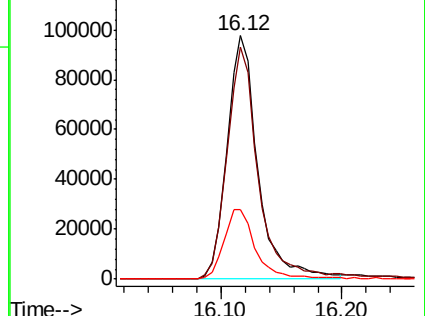
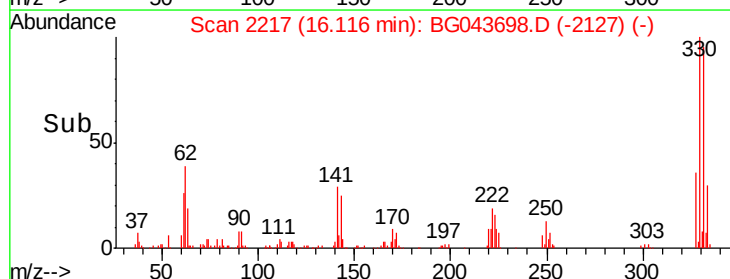
141 30.0 23.4 35.2

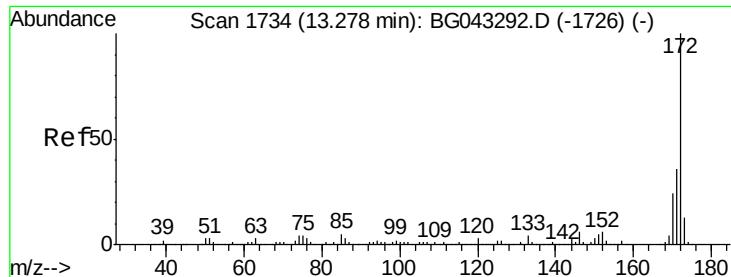


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



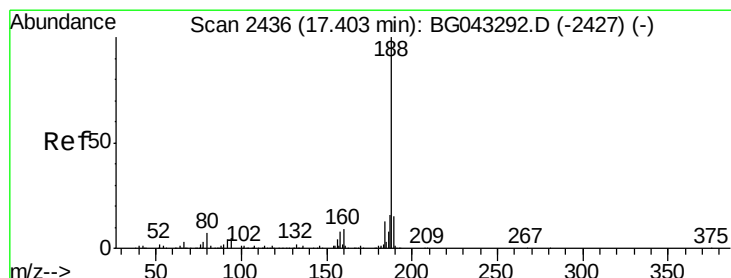
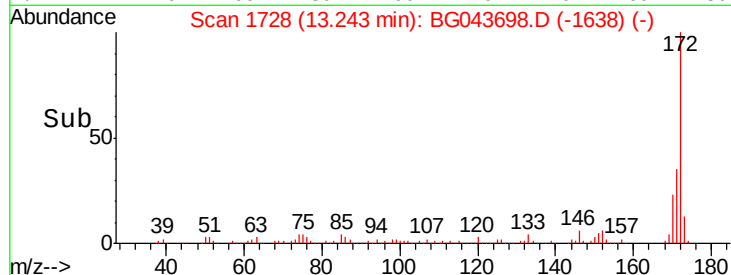
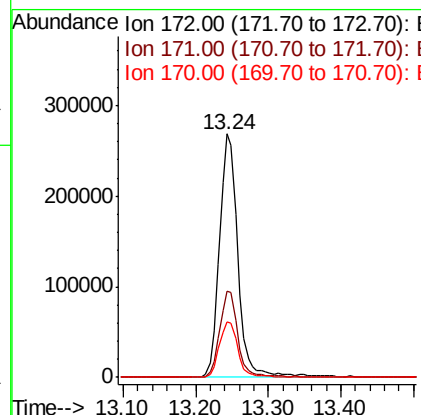
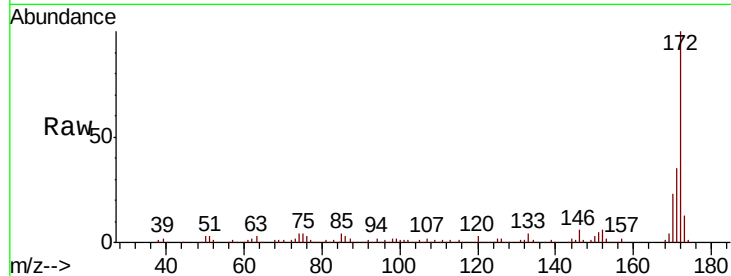


#45  
 2-Fluorobiphenyl  
 Concen: 91.446 ng  
 RT: 13.24 min Scan# 1728  
 Delta R.T. 0.00 min  
 Lab File: BG043698.D  
 Acq: 19 Nov 2019 15:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-COMP

Tot Ion:172 Resp: 474706  

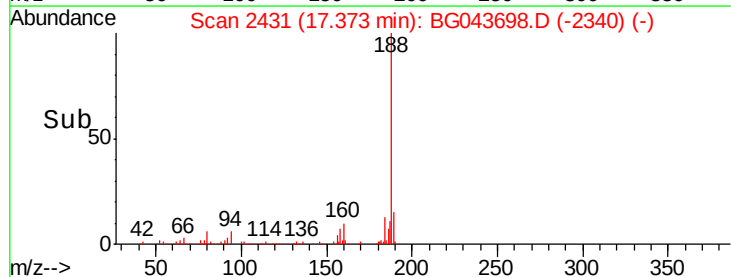
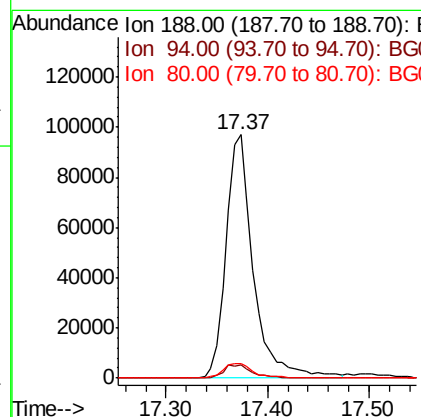
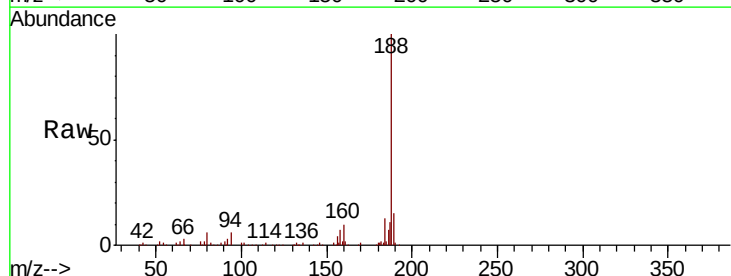
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.2  | 28.1  | 42.1  |
| 170 | 22.7  | 18.8  | 28.2  |

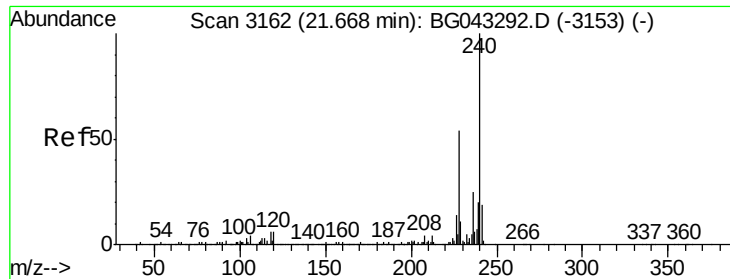


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.37 min Scan# 2431  
 Delta R.T. 0.01 min  
 Lab File: BG043698.D  
 Acq: 19 Nov 2019 15:01

Tgt Ion:188 Resp: 180863  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 5.7   | 4.6   | 7.0   |
| 80  | 5.8   | 5.2   | 7.8   |

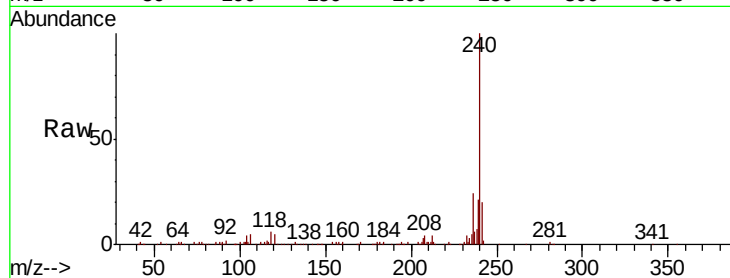




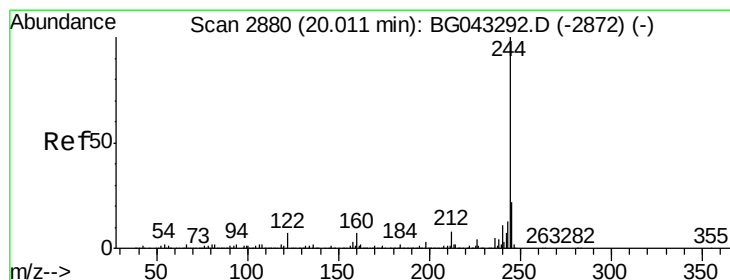
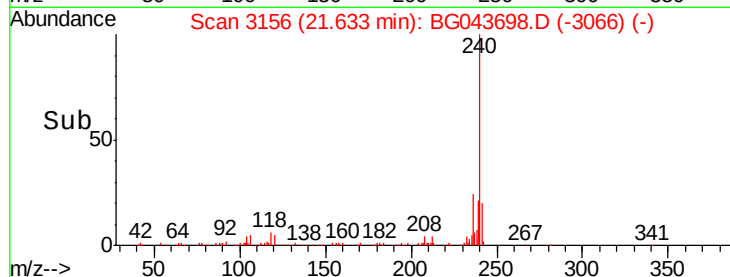
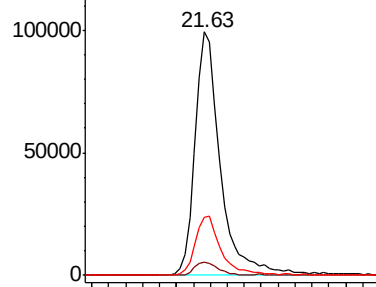
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.63 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: BG043698.D  
Acq: 19 Nov 2019 15:01

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.3   | 4.9   | 7.3   |
| 236     | 24.0  | 21.4  | 32.0  |

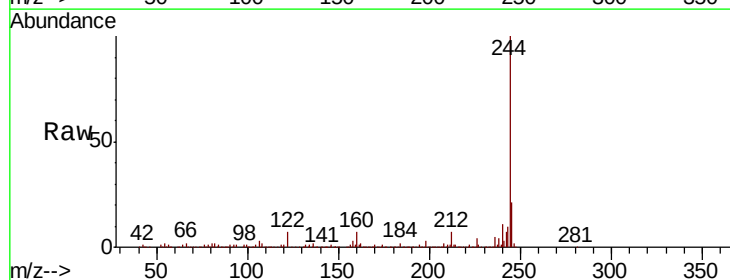


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

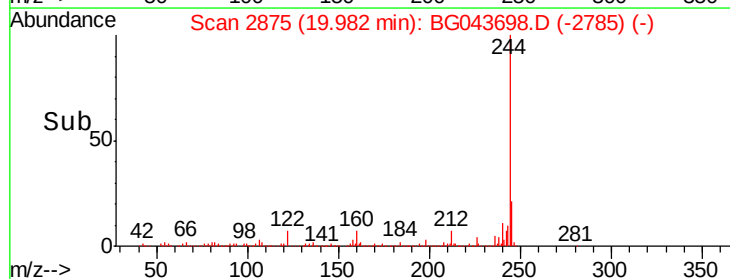
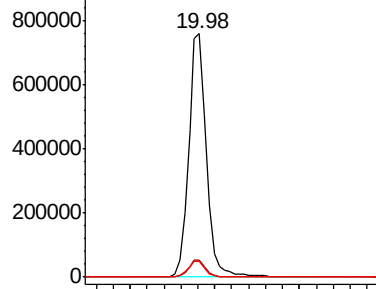


#79  
Terphenyl-d14  
Concen: 102.569 ng  
RT: 19.98 min Scan# 2875  
Delta R.T. 0.00 min  
Lab File: BG043698.D  
Acq: 19 Nov 2019 15:01

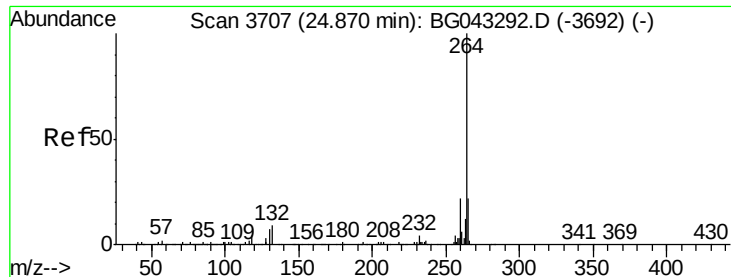
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.6   | 8.4   |
| 122     | 6.6   | 5.2   | 7.8   |



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: 24.81 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: BG043698.D  
 Acq: 19 Nov 2019 15:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-COMP

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 264     | 100  |       |       |       |
| 260     | 24.5 | 18.4  | 27.6  |       |
| 265     | 21.4 | 15.8  | 23.8  |       |

