

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120519\  
 Data File : BF118109.D  
 Acq On : 5 Dec 2019 18:05  
 Operator : JU  
 Sample : K6098-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C4-GW

Quant Time: Dec 06 06:12:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 03 15:16:53 2019  
 Response via : Initial Calibration

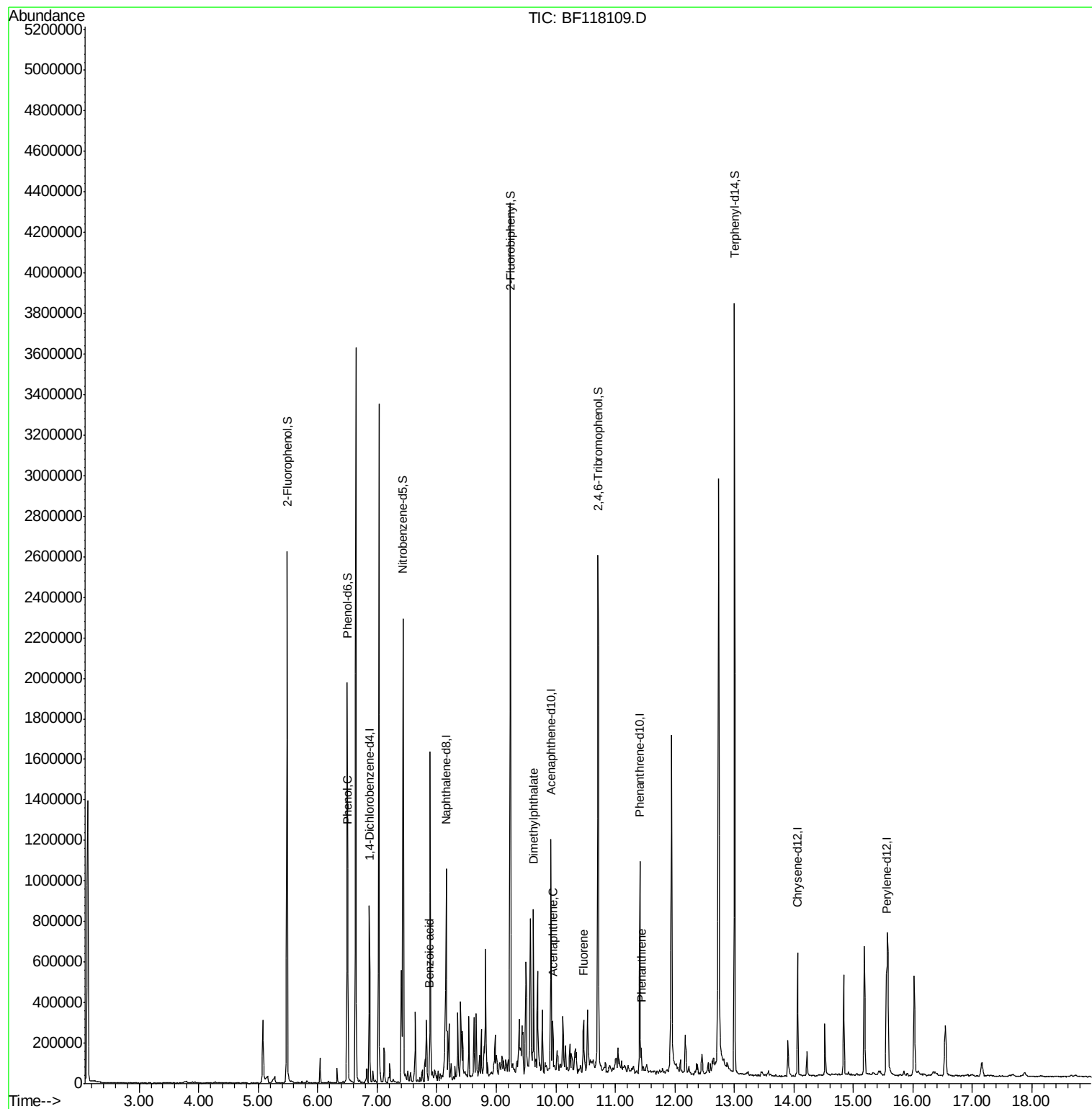
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 120173   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.16  | 136  | 450938   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.92  | 164  | 222391   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.41 | 188  | 368767   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.06 | 240  | 191717   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.56 | 264  | 251378   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 740347   | 109.05 | ng    | 0.00     |
| 7) Phenol-d6                | 6.50  | 99   | 652524   | 79.69  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 724750   | 95.54  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 317497   | 134.85 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.24  | 172  | 1387501  | 111.93 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.00 | 244  | 1220594  | 116.36 | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.51  | 94   | 110061   | 12.934 | ng    | 98       |
| 32) Benzoic acid            | 7.87  | 122  | 15056    | 3.038  | ng    | 92       |
| 50) Dimethylphthalate       | 9.63  | 163  | 290650   | 18.637 | ng    | 99       |
| 52) Acenaphthene            | 9.95  | 154  | 42009    | 3.314  | ng    | 98       |
| 58) Fluorene                | 10.47 | 166  | 62902    | 4.624  | ng    | 98       |
| 71) Phenanthrene            | 11.43 | 178  | 43286    | 2.335  | ng    | 96       |

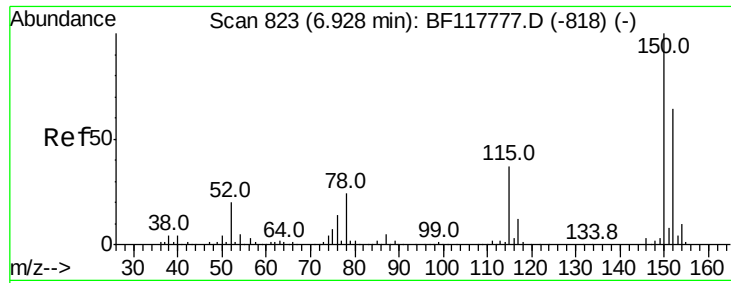
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120519\  
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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OWL-C4-GW

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 03 15:16:53 2019  
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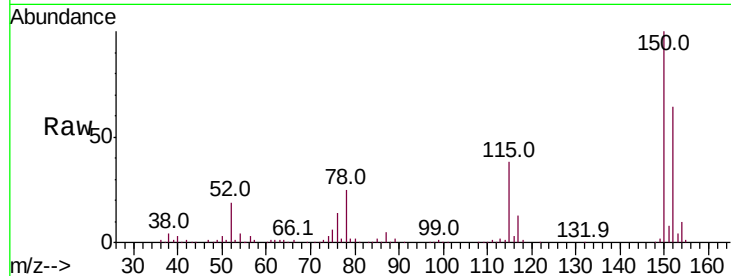


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BF118109.D  
Acq: 5 Dec 2019 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
OWL-C4-GW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 121.4 | 182.2 |
| 115     | 59.9  | 48.8  | 73.2  |

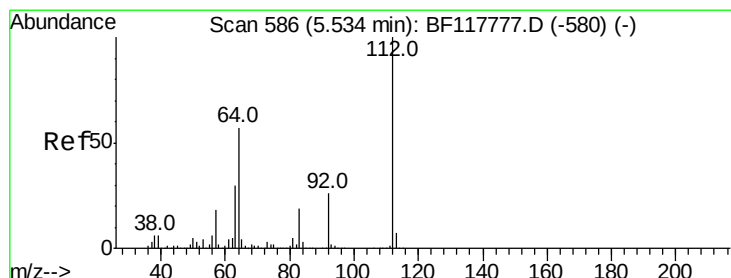
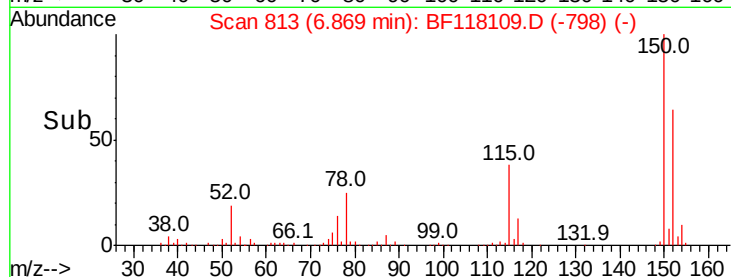
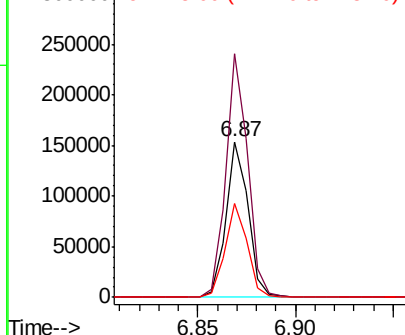


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

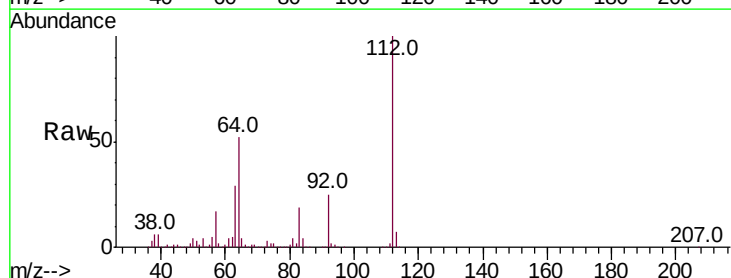
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 109.051 ng  
RT: 5.49 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: BF118109.D  
Acq: 5 Dec 2019 18:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.5  | 45.1  | 67.7  |
| 63      | 29.2  | 24.6  | 37.0  |

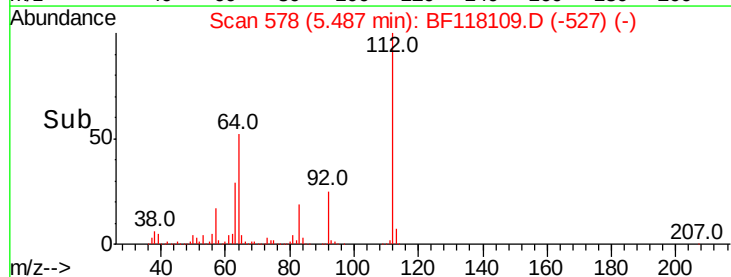
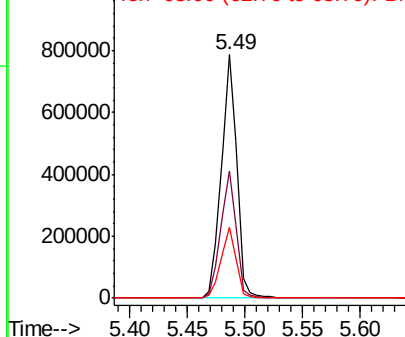


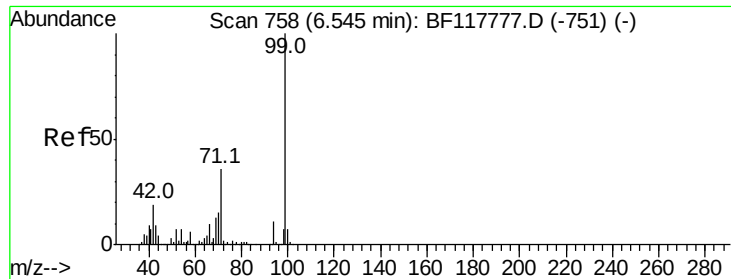
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.686 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

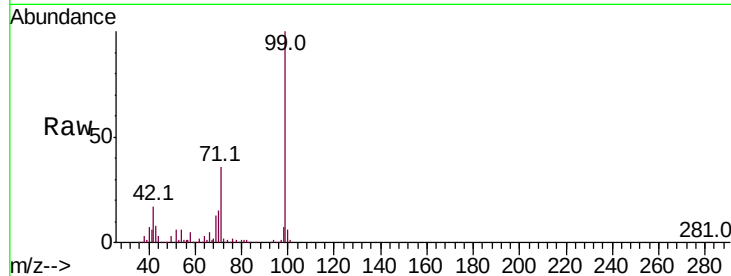
Tot Ion: 99 Resp: 652524

Ion Ratio Lower Upper

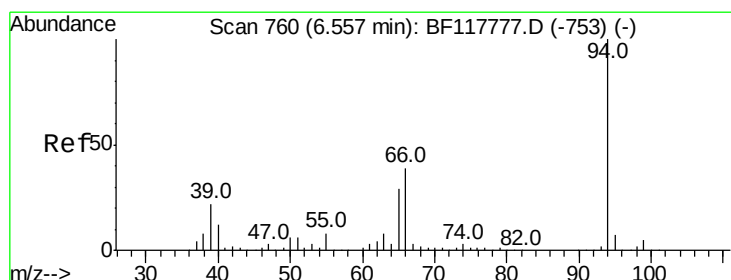
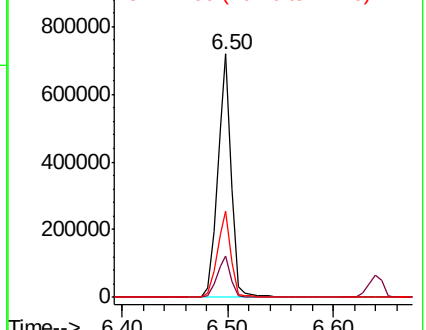
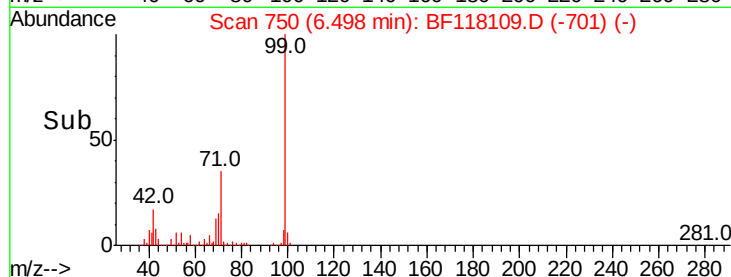
99 100

42 16.9 14.0 21.0

71 35.5 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 12.934 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

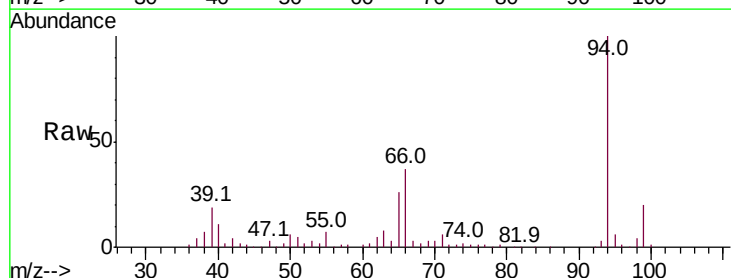
Tgt Ion: 94 Resp: 110061

Ion Ratio Lower Upper

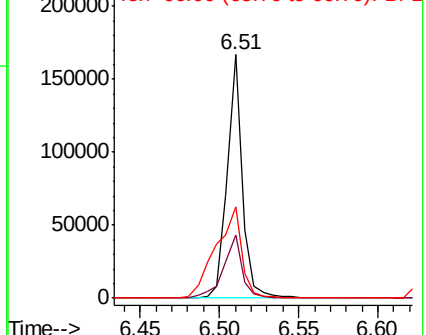
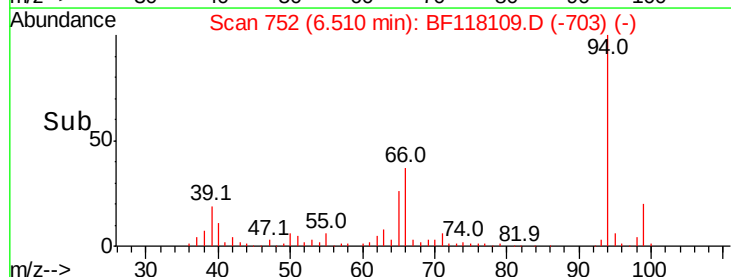
94 100

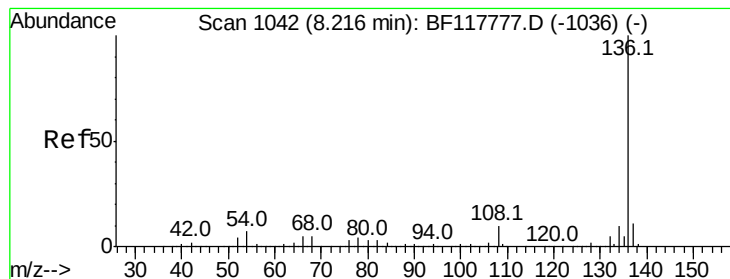
65 26.1 6.9 46.9

66 37.3 18.6 58.6



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

Tot Ion:136 Resp: 450938

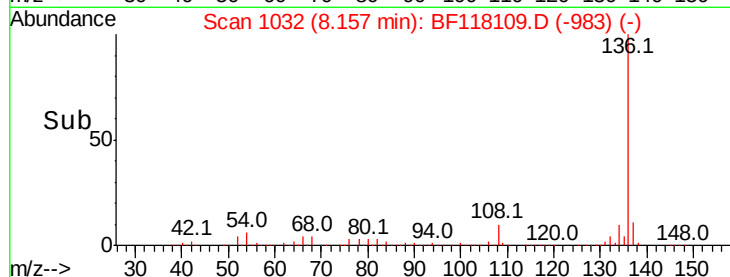
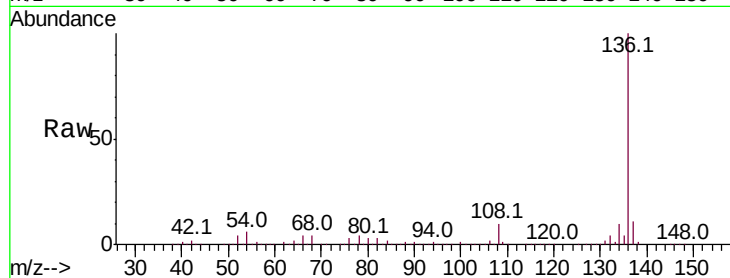
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.9 4.9 7.3

68 4.4 3.6 5.4

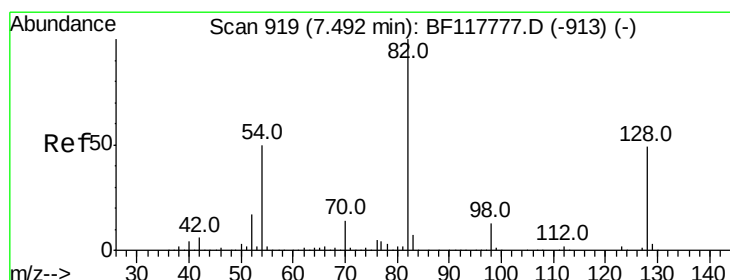
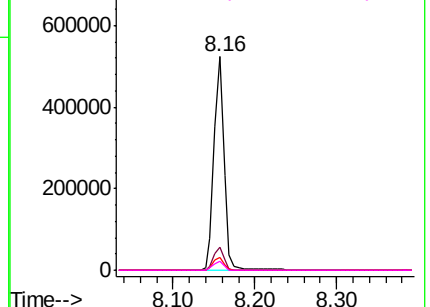


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 95.542 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

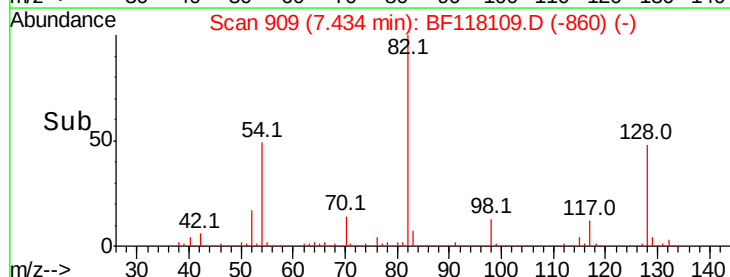
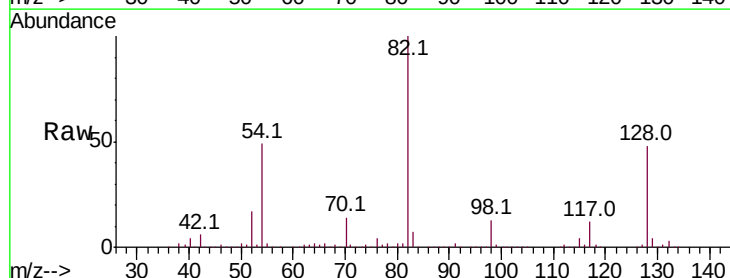
Tgt Ion: 82 Resp: 724750

Ion Ratio Lower Upper

82 100

128 47.8 38.2 57.4

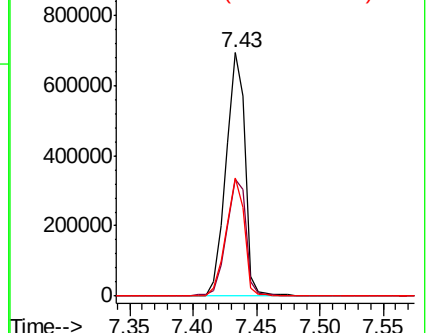
54 48.6 39.0 58.4

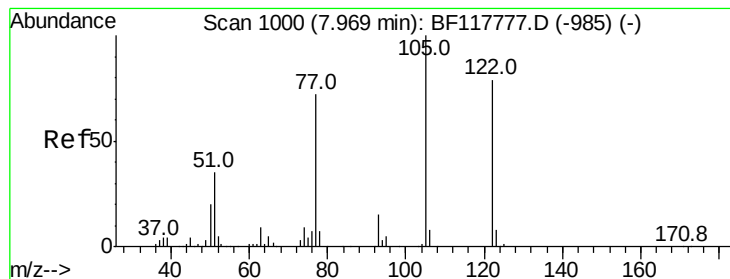


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 3.038 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.06 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

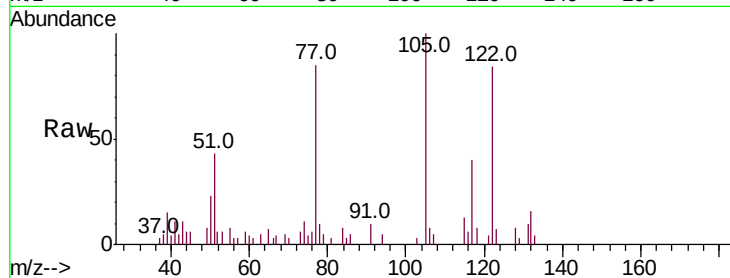
Tot Ion:122 Resp: 15056

Ion Ratio Lower Upper

122 100

105 119.2 101.4 141.4

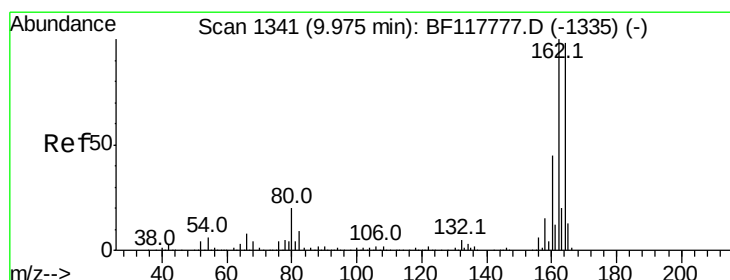
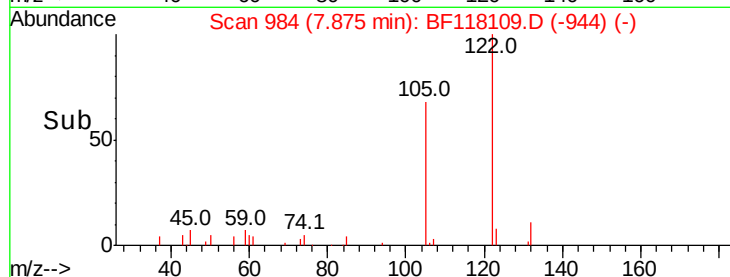
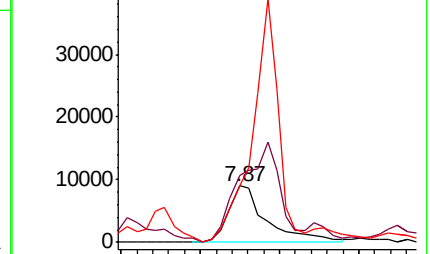
77 101.1 66.4 106.4



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

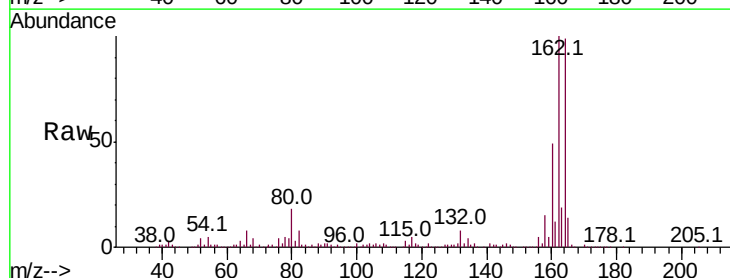
Tgt Ion:164 Resp: 222391

Ion Ratio Lower Upper

164 100

162 100.5 81.8 122.8

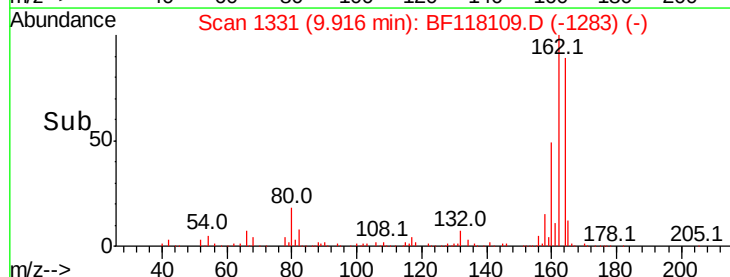
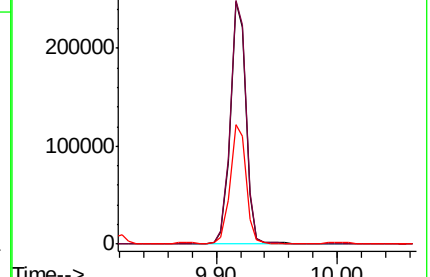
160 49.5 35.9 53.9

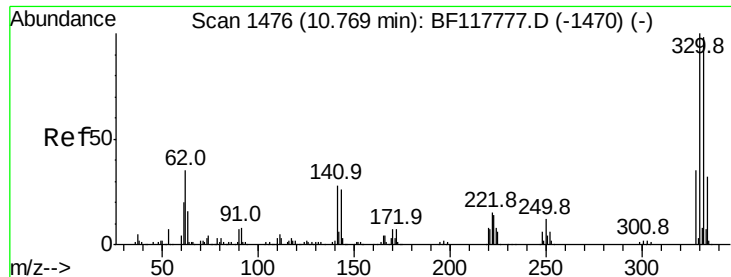


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 134.851 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

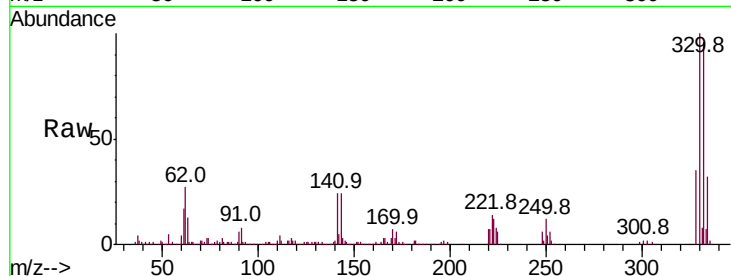
Tot Ion:330 Resp: 317497

Ion Ratio Lower Upper

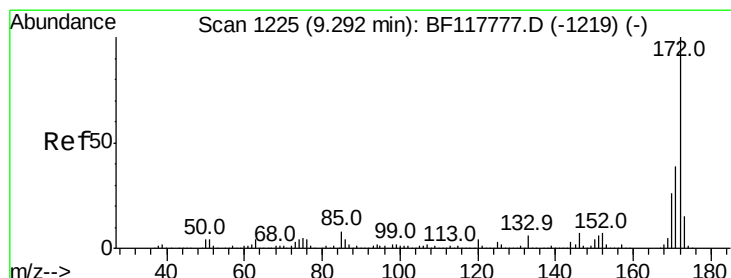
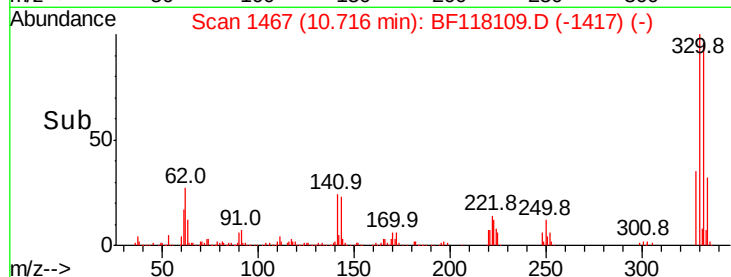
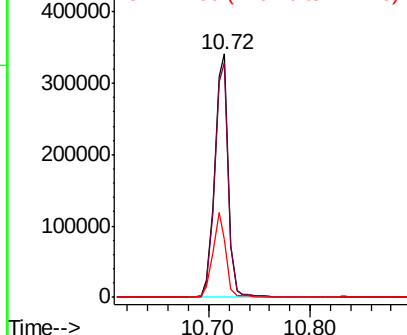
330 100

332 96.6 78.3 117.5

141 33.5 26.4 39.6



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: 111.930 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

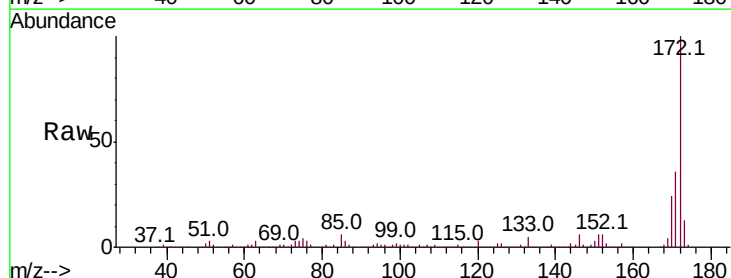
Tgt Ion:172 Resp: 1387501

Ion Ratio Lower Upper

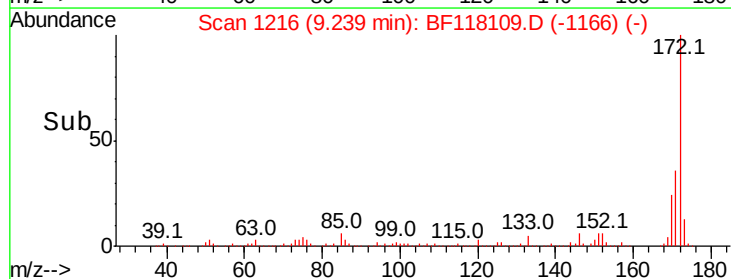
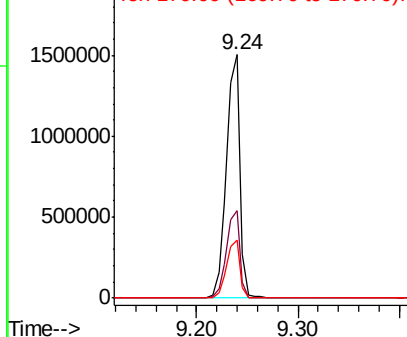
172 100

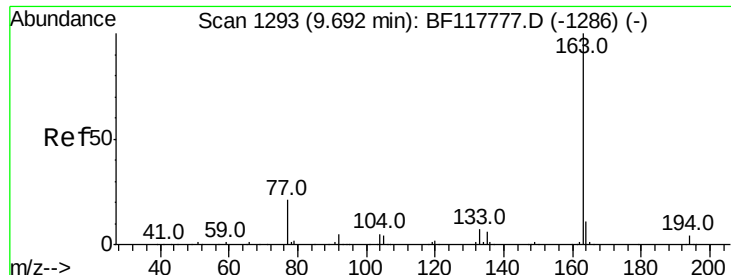
171 36.2 29.2 43.8

170 23.8 19.3 28.9



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

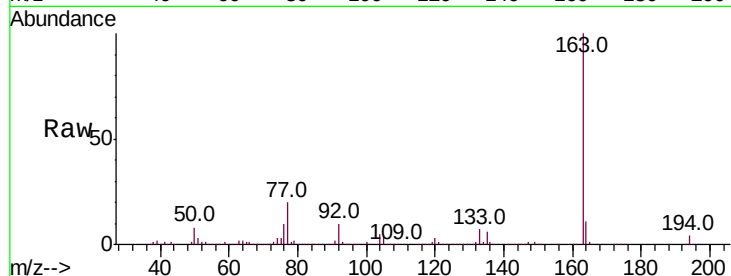




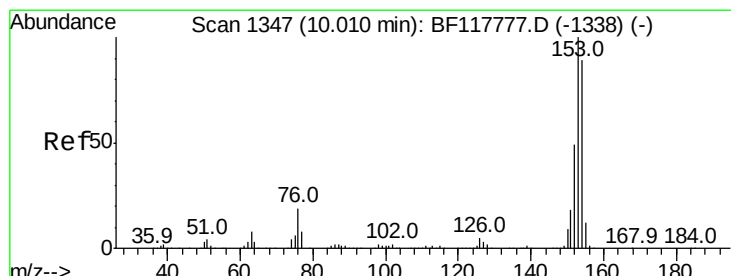
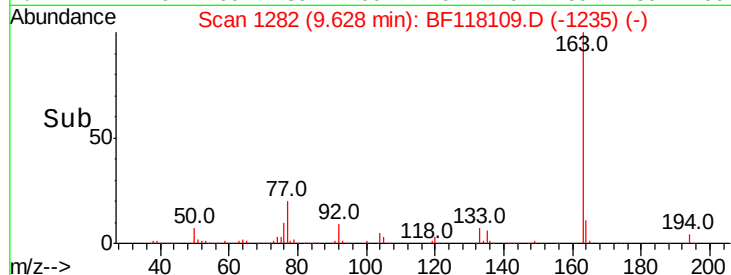
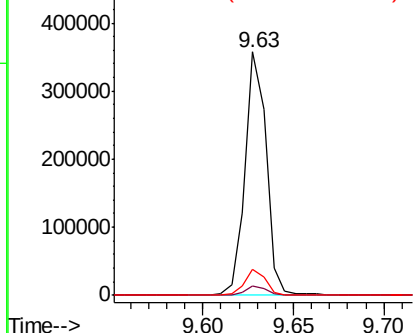
#50  
Dimethylphthalate  
Concen: 18.637 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF118109.D  
Acq: 5 Dec 2019 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
OWL-C4-GW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.1   | 4.7   |
| 164     | 10.6  | 7.9   | 11.9  |

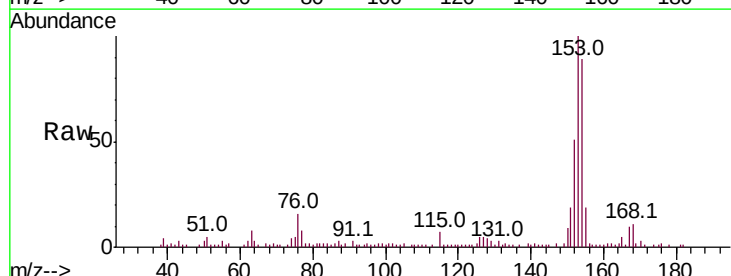


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

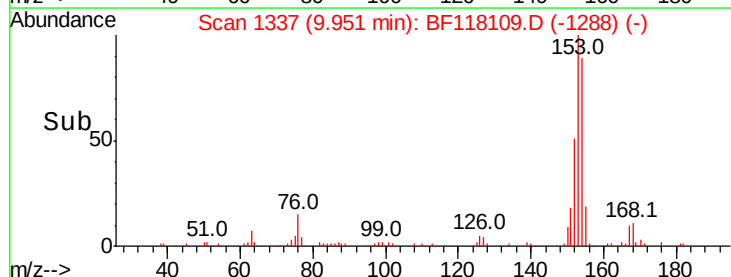
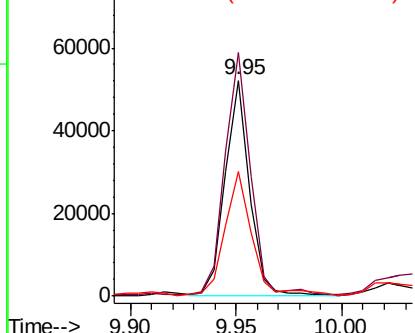


#52  
Acenaphthene  
Concen: 3.314 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.01 min  
Lab File: BF118109.D  
Acq: 5 Dec 2019 18:05

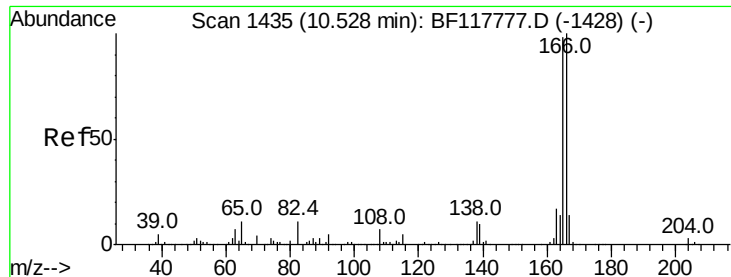
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.0 | 91.2  | 136.8 |
| 152     | 57.9  | 43.6  | 65.4  |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



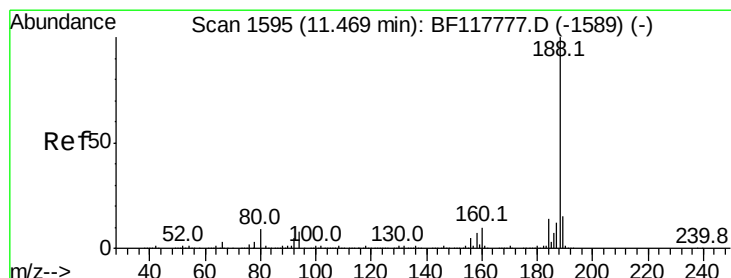
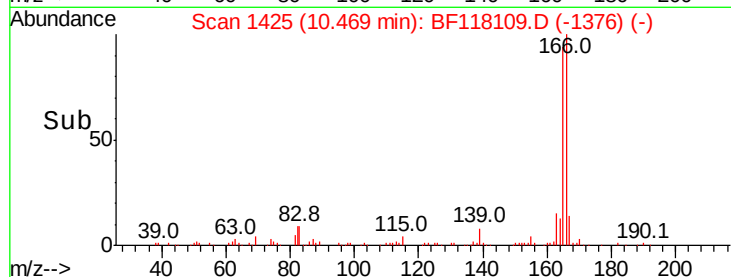
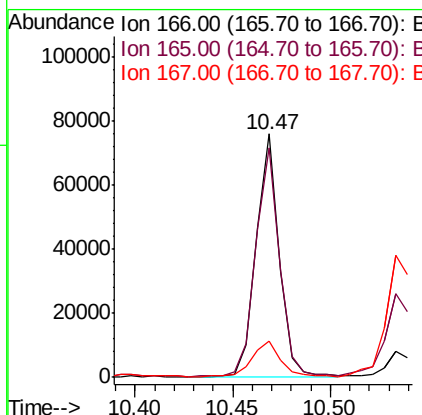
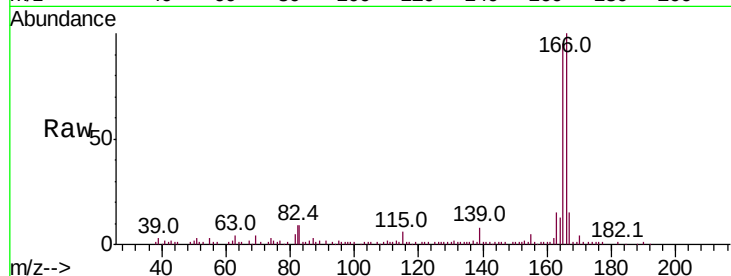




#58  
 Fluorene  
 Concen: 4.624 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. -0.01 min  
 Lab File: BF118109.D  
 Acq: 5 Dec 2019 18:05

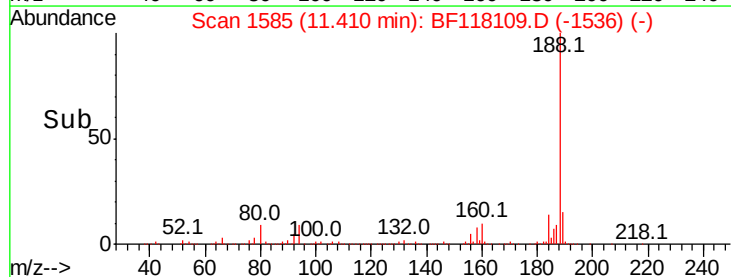
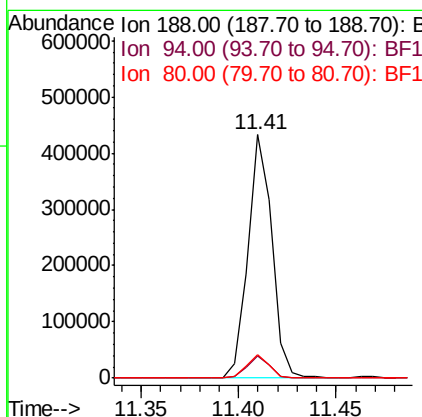
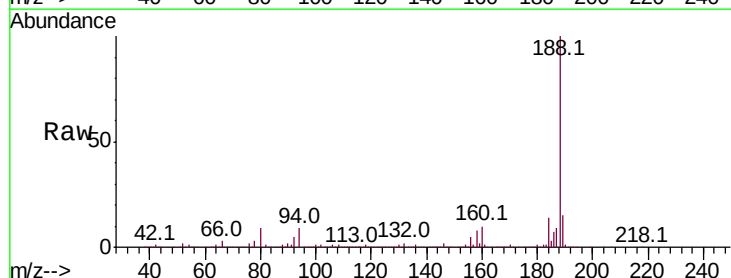
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWL-C4-GW

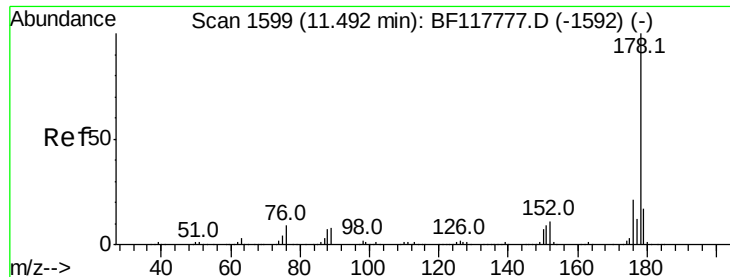
Tot Ion:166 Resp: 62902  
 Ion Ratio Lower Upper  
 166 100  
 165 94.5 77.4 116.2  
 167 14.7 10.7 16.1



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. -0.01 min  
 Lab File: BF118109.D  
 Acq: 5 Dec 2019 18:05

Tgt Ion:188 Resp: 368767  
 Ion Ratio Lower Upper  
 188 100  
 94 9.0 7.0 10.6  
 80 9.4 7.2 10.8





#71

Phenanthrene

Concen: 2.335 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

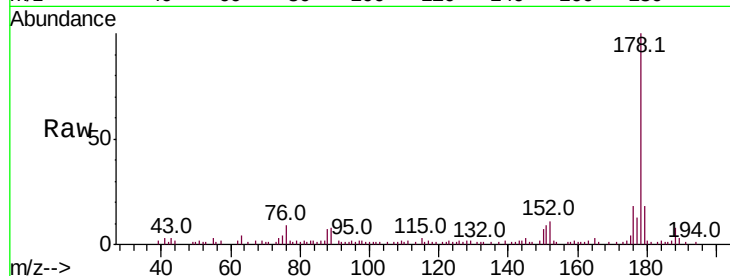
Tot Ion:178 Resp: 43286

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

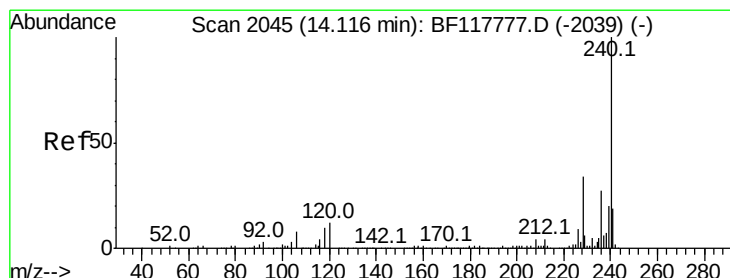
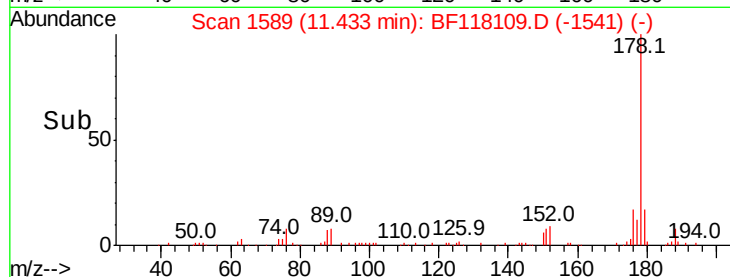
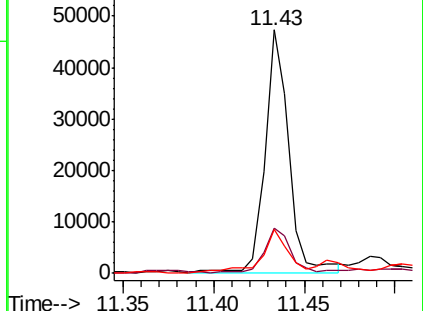
179 17.9 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

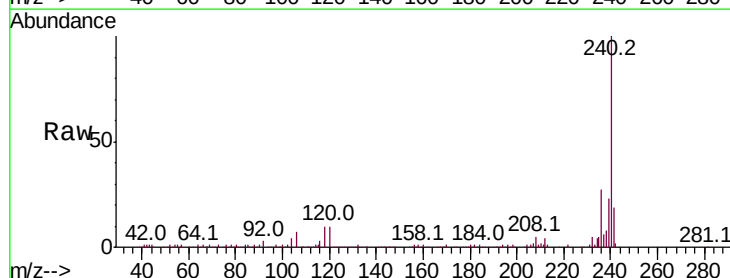
Tgt Ion:240 Resp: 191717

Ion Ratio Lower Upper

240 100

120 10.0 8.4 12.6

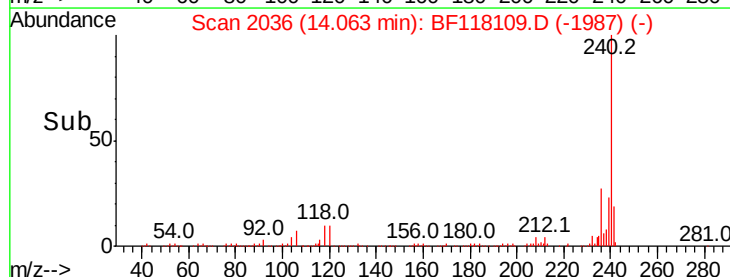
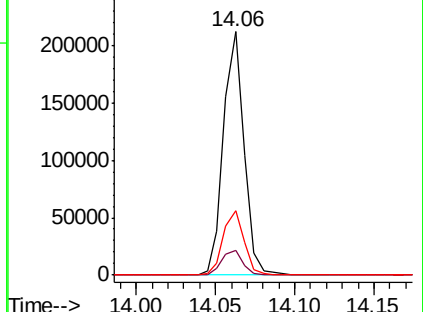
236 26.5 20.6 31.0

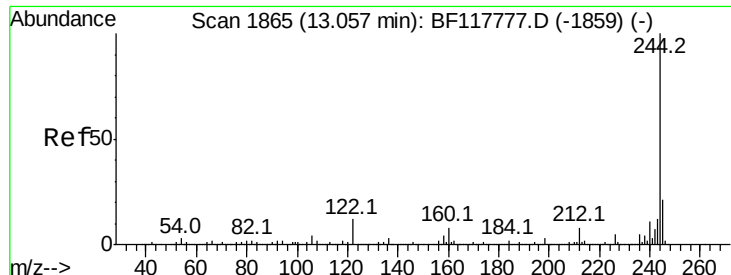


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 116.357 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

Instrument :

BNA\_F

ClientSampleId :

OWL-C4-GW

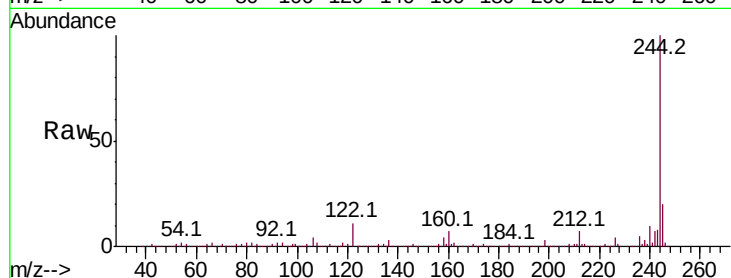
Tot Ion:244 Resp: 1220594

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

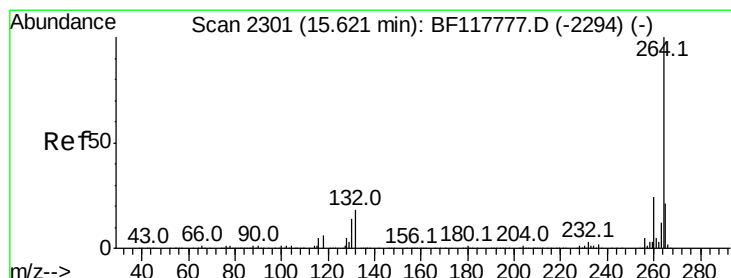
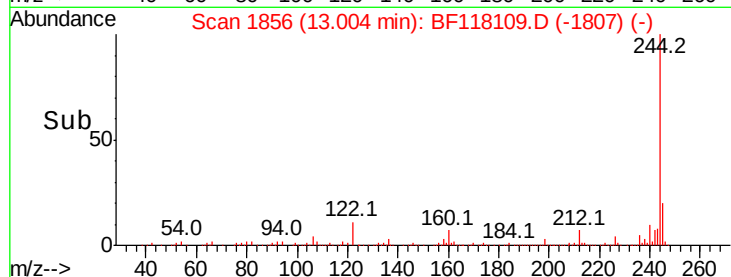
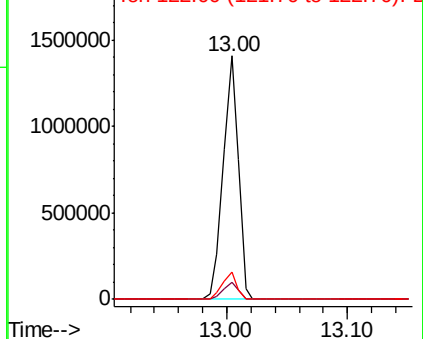
122 11.0 7.2 10.8#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BF118109.D

Acq: 5 Dec 2019 18:05

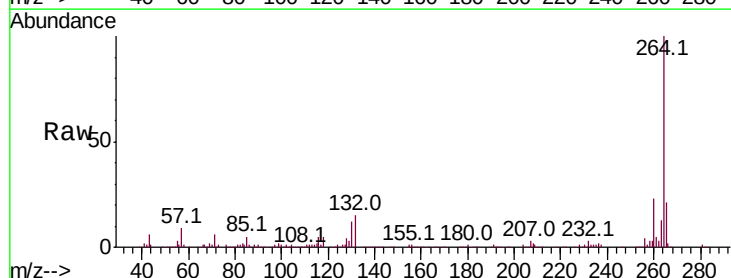
Tgt Ion:264 Resp: 251378

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 21.4 16.4 24.6



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

