

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062717\  
 Data File : BF096224.D  
 Acq On : 27 Jun 2017 18:57  
 Operator : SJ/MA  
 Sample : I3868-10 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-062217-D

Quant Time: Jun 27 19:28:50 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\Methods\8270-BF062717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 27 15:17:15 2017  
 Response via : Initial Calibration

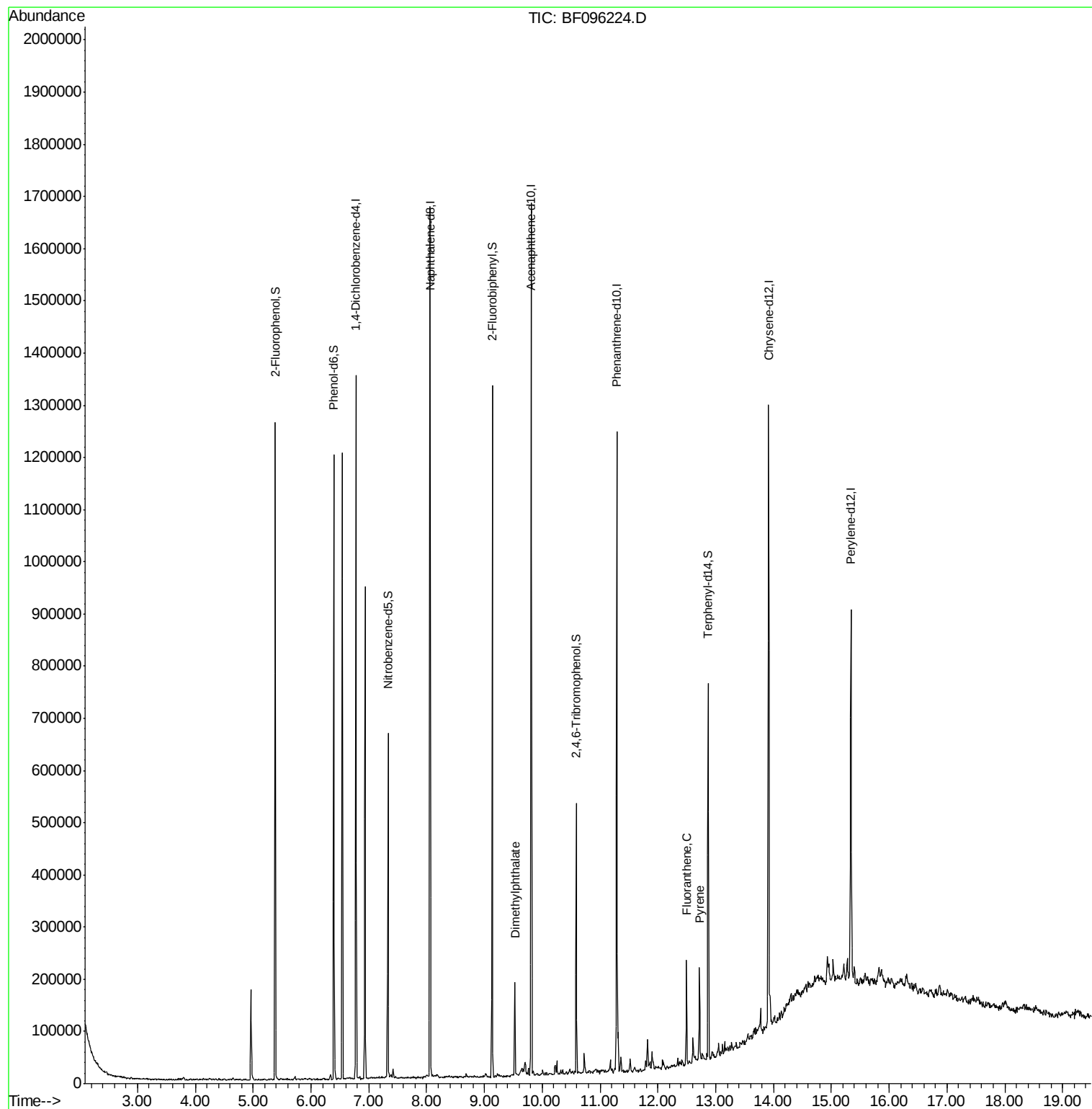
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 188754   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 753682   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.81  | 164  | 301002   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.29 | 188  | 416296   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.92 | 240  | 339399   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.34 | 264  | 298283   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 302881   | 23.12 | ng    | 0.00     |
| 7) Phenol-d6                | 6.40  | 99   | 371056   | 23.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 188221   | 17.29 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 47496    | 20.05 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 345701   | 21.03 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.87 | 244  | 189568   | 13.94 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.53  | 163  | 68292    | 3.170 | ng    | 99       |
| 74) Fluoranthene            | 12.49 | 202  | 70364    | 3.043 | ng    | 94       |
| 77) Pyrene                  | 12.72 | 202  | 60684    | 2.176 | ng    | 97       |

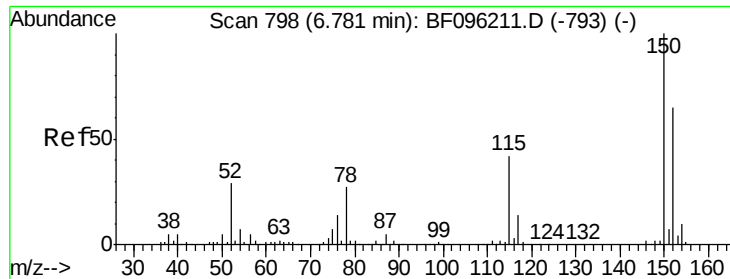
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 27 15:17:15 2017  
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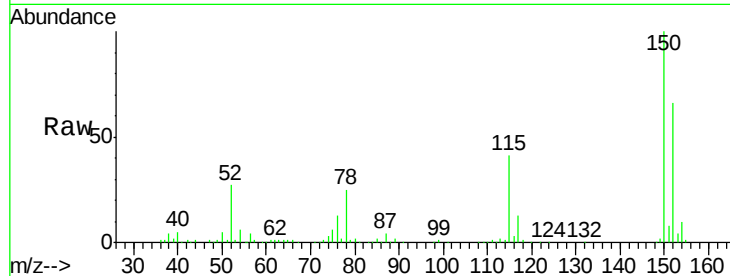


#1

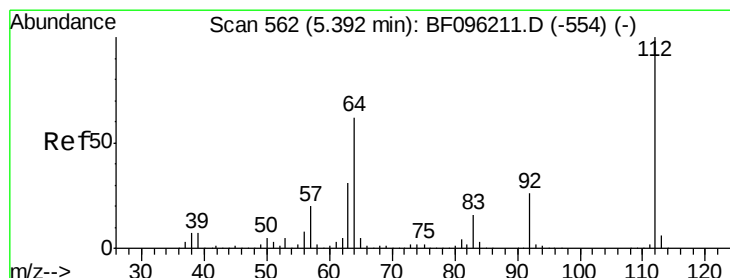
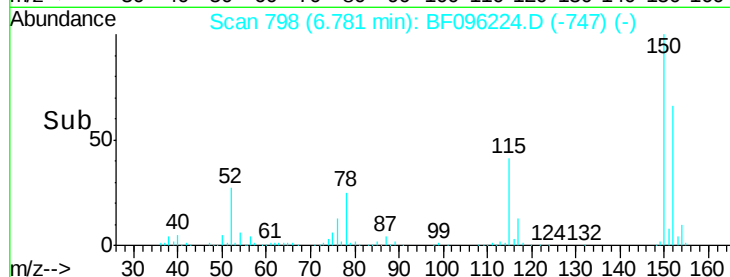
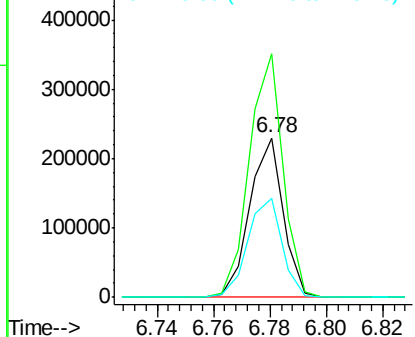
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.78 min Scan# 798  
Delta R.T. -0.00 min  
Lab File: BF096224.D  
Acq: 27 Jun 2017 18:57

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-062217-D

Tgt Ion:152 Resp: 188754  
Ion Ratio Lower Upper  
152 100  
150 152.5 126.2 189.2  
115 62.3 52.2 78.2



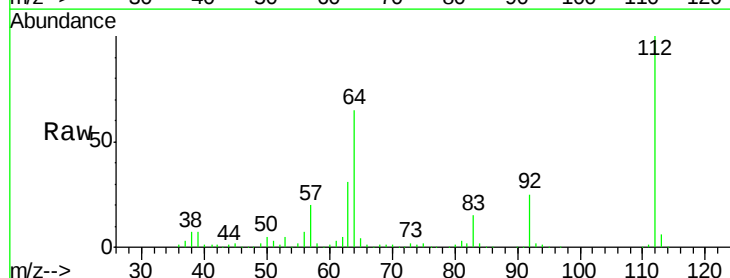
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



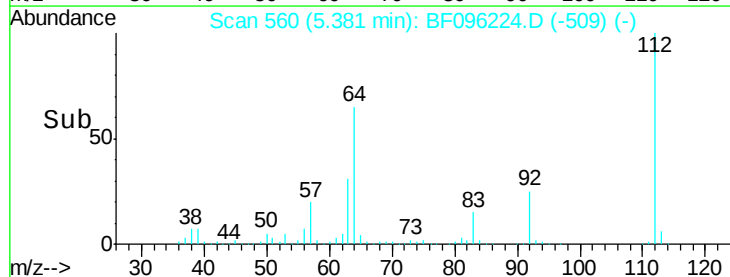
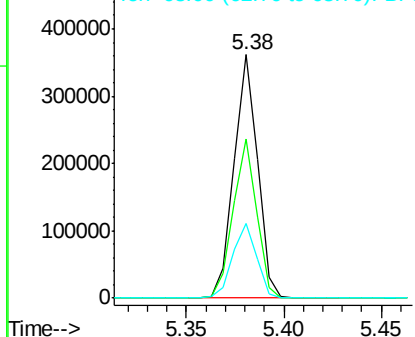
#5

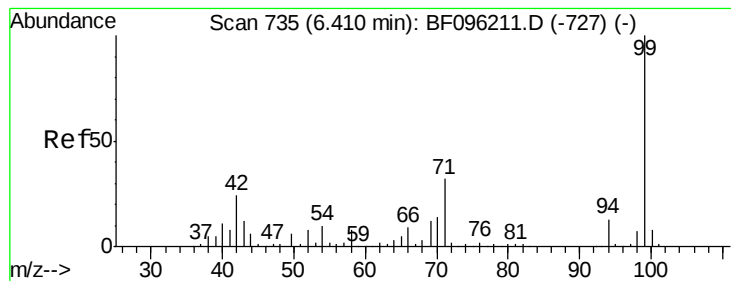
2-Fluorophenol  
Concen: 23.118 ng  
RT: 5.38 min Scan# 560  
Delta R.T. 0.00 min  
Lab File: BF096224.D  
Acq: 27 Jun 2017 18:57

Tgt Ion:112 Resp: 302881  
Ion Ratio Lower Upper  
112 100  
64 65.4 46.0 69.0  
63 30.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.389 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096224.D

Acq: 27 Jun 2017 18:57

Instrument :

BNA\_F

ClientSampleId :

CL-01-062217-D

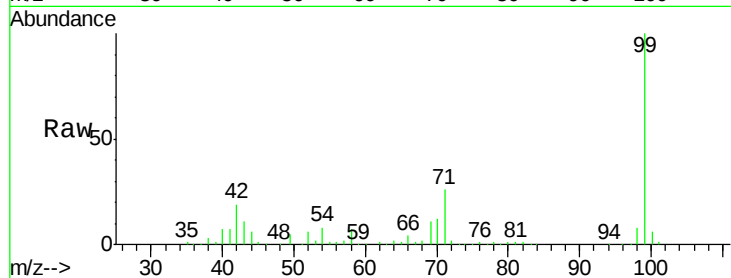
Tgt Ion: 99 Resp: 371056

Ion Ratio Lower Upper

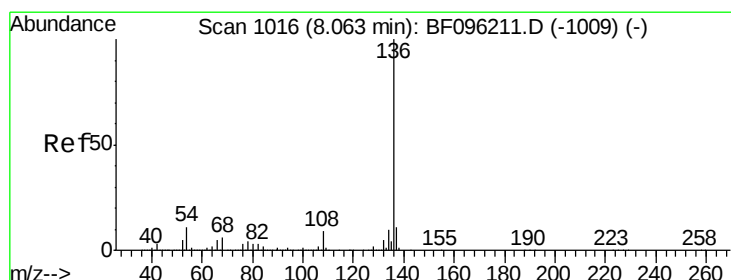
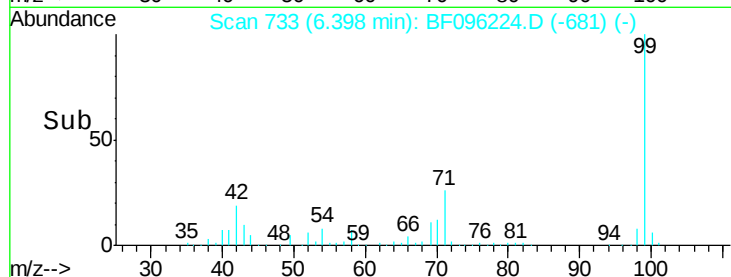
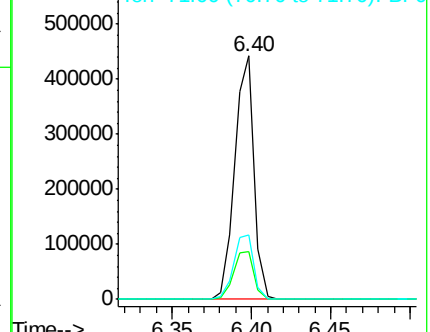
99 100

42 19.4 13.5 20.3

71 26.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096224.D

Acq: 27 Jun 2017 18:57

Tgt Ion: 136 Resp: 753682

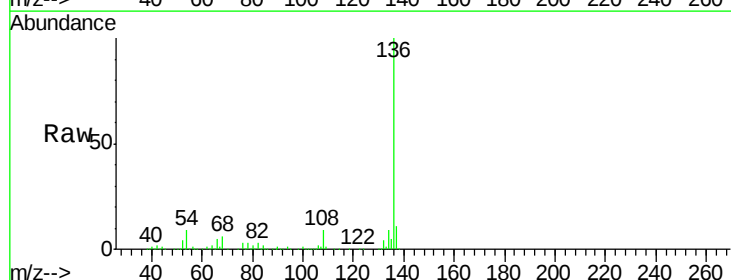
Ion Ratio Lower Upper

136 100

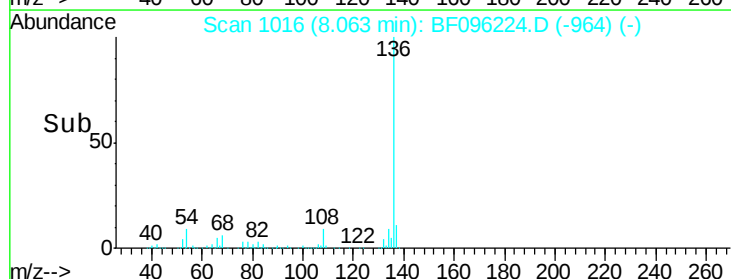
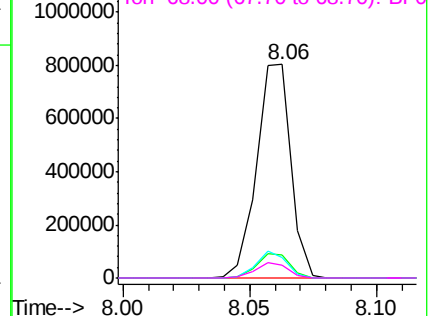
137 10.6 8.5 12.7

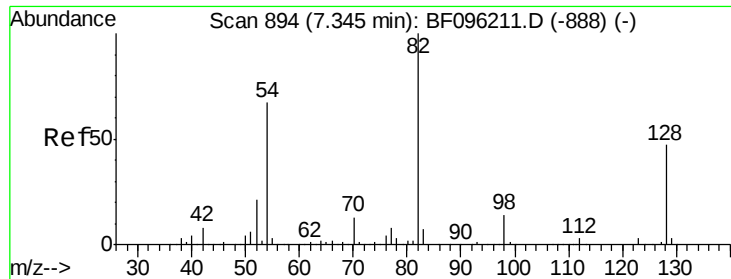
54 9.4 4.9 7.3#

68 5.9 4.1 6.1



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): BF0  
Ion 68.00 (67.70 to 68.70): BF0

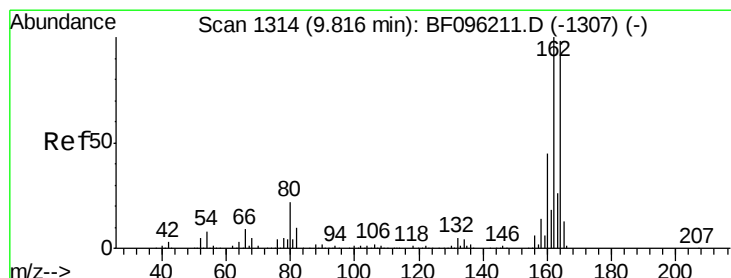
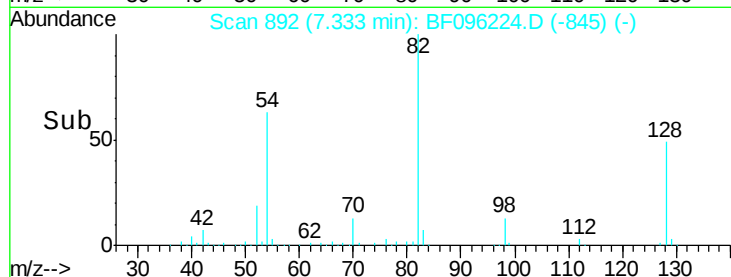
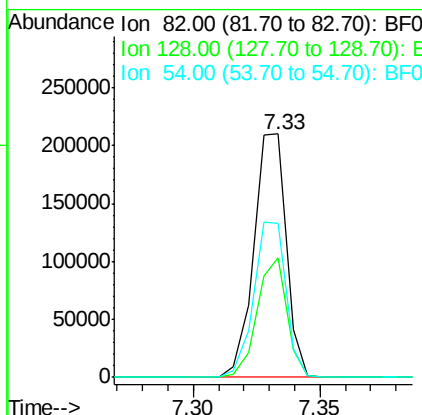
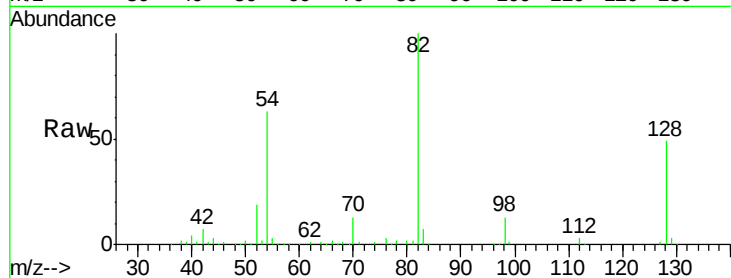




#23  
Nitrobenzene-d5  
Concen: 17.288 ng  
RT: 7.33 min Scan# 892  
Delta R.T. -0.02 min  
Lab File: BF096224.D  
Acq: 27 Jun 2017 18:57

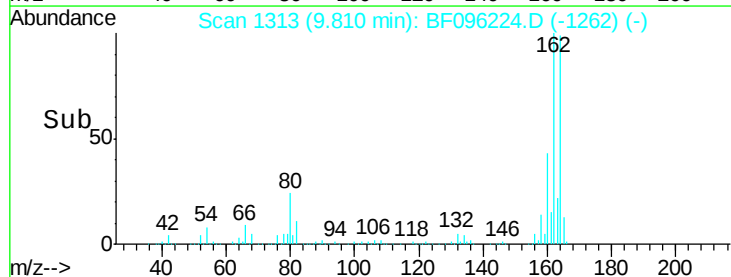
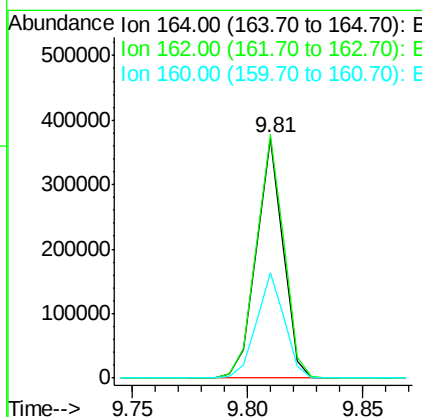
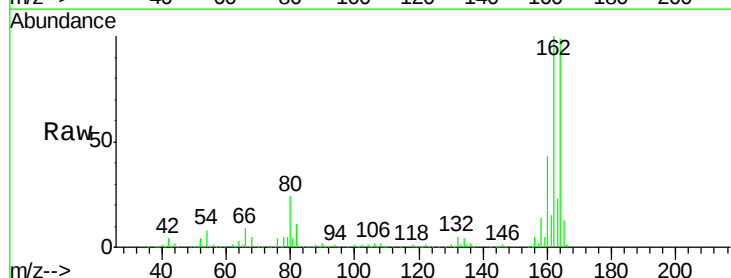
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-062217-D

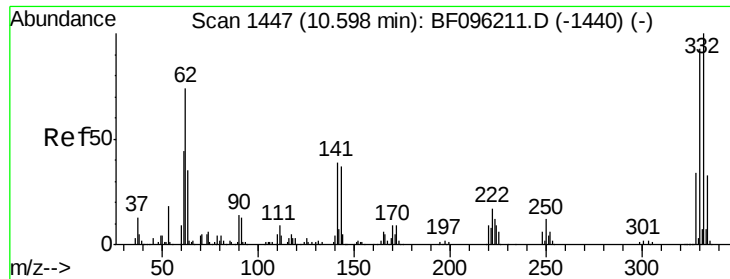
Tgt Ion: 82 Resp: 188221  
Ion Ratio Lower Upper  
82 100  
128 49.2 34.0 51.0  
54 63.5 42.2 63.2#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. -0.00 min  
Lab File: BF096224.D  
Acq: 27 Jun 2017 18:57

Tgt Ion: 164 Resp: 301002  
Ion Ratio Lower Upper  
164 100  
162 101.4 82.6 123.8  
160 43.7 36.2 54.2

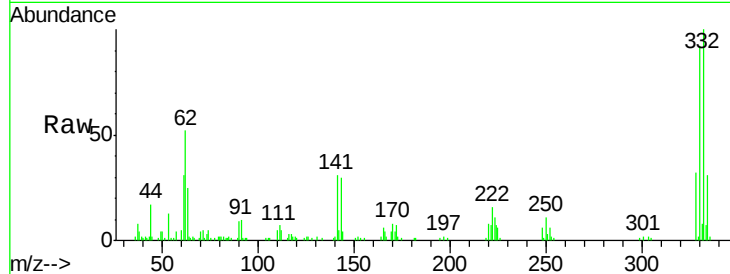




#41  
 2,4,6-Tribromophenol  
 Concen: 20.050 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.00 min  
 Lab File: BF096224.D  
 Acq: 27 Jun 2017 18:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-062217-D

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 103.2 | 76.6  | 115.0 |
| 141     | 42.3  | 31.4  | 47.2  |

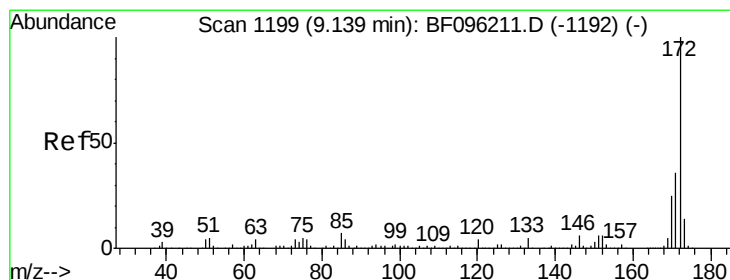
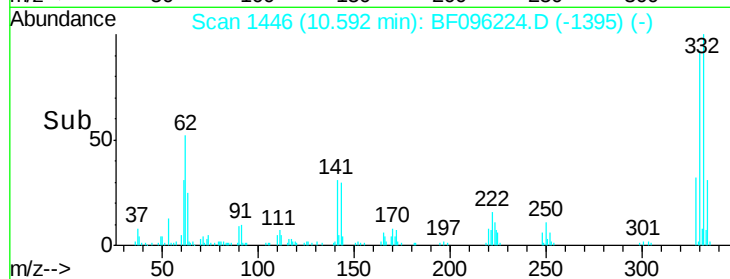
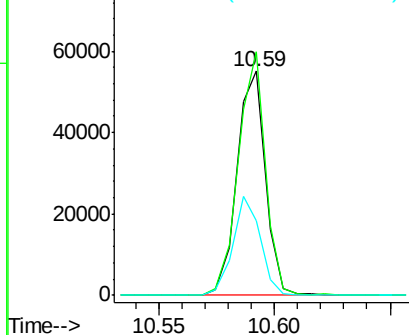


Abundance

Ion 329.80 (329.50 to 330.50): E

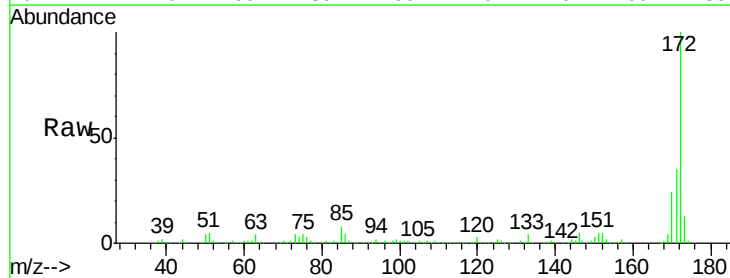
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 21.033 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.02 min  
 Lab File: BF096224.D  
 Acq: 27 Jun 2017 18:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 29.6  | 44.4  |
| 170     | 23.9  | 19.8  | 29.8  |

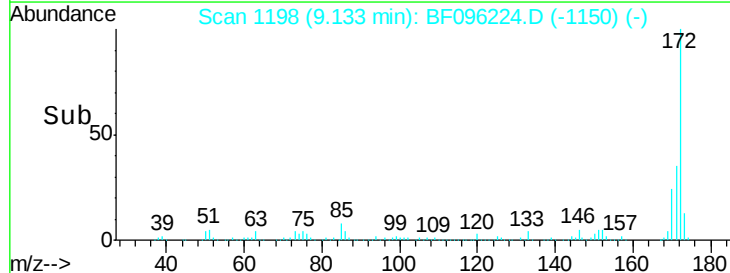
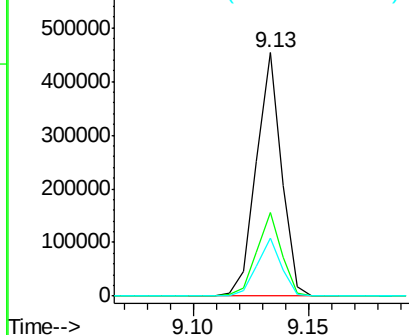


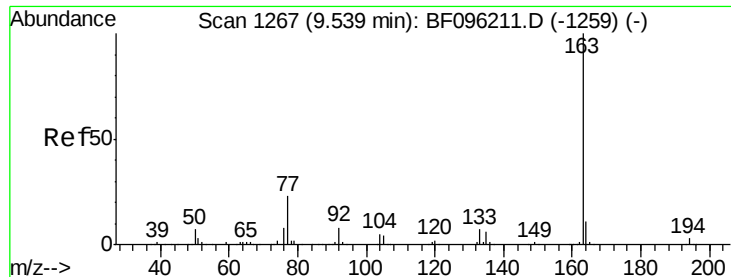
Abundance

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

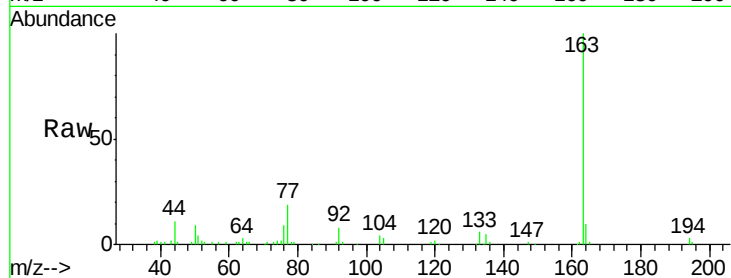




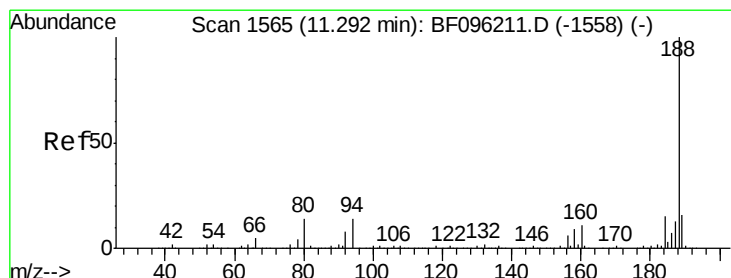
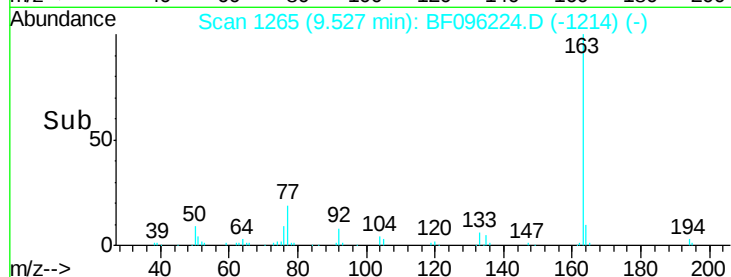
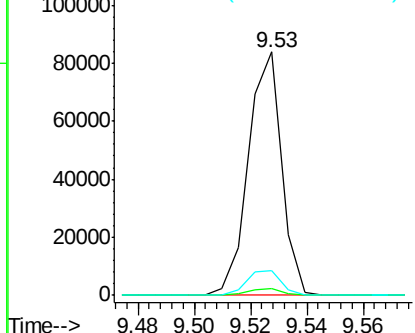
#49  
Dimethylphthalate  
Concen: 3.170 ng  
RT: 9.53 min Scan# 1265  
Delta R.T. -0.00 min  
Lab File: BF096224.D  
Acq: 27 Jun 2017 18:57

Instrument :  
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ClientSampleId :  
CL-01-062217-D

Tgt Ion:163 Resp: 68292  
Ion Ratio Lower Upper  
163 100  
194 2.8 2.6 4.0  
164 10.2 8.4 12.6

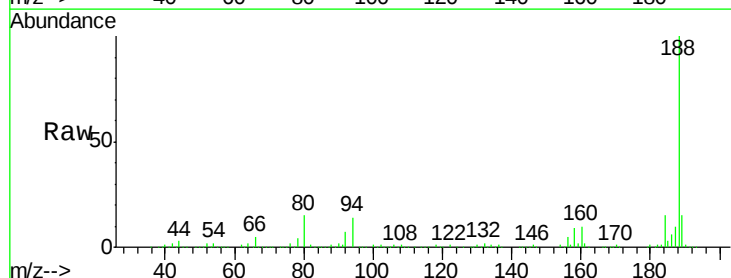


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

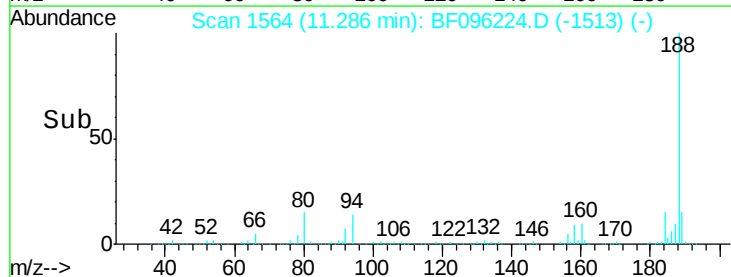
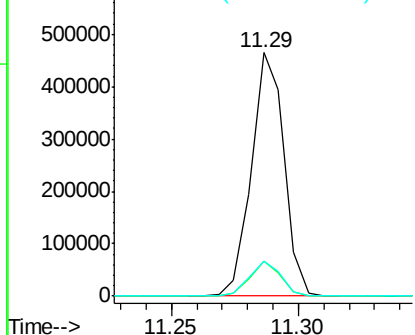


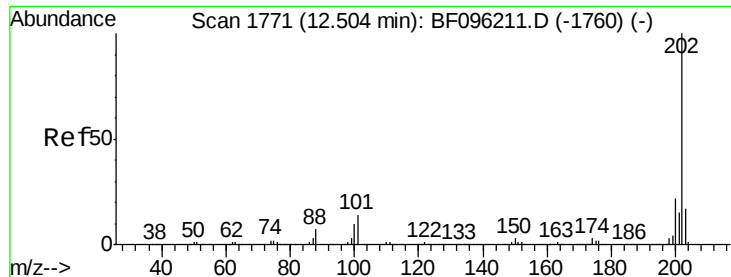
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.29 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: BF096224.D  
Acq: 27 Jun 2017 18:57

Tgt Ion:188 Resp: 416296  
Ion Ratio Lower Upper  
188 100  
94 14.4 9.4 14.2#  
80 14.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

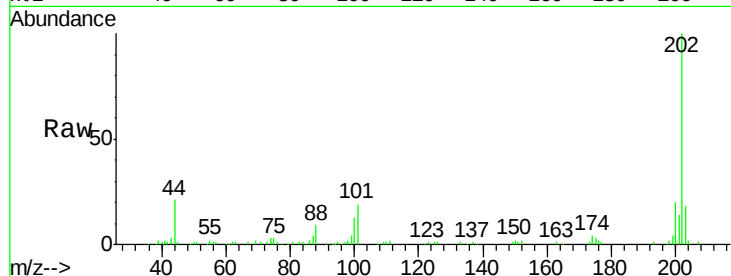




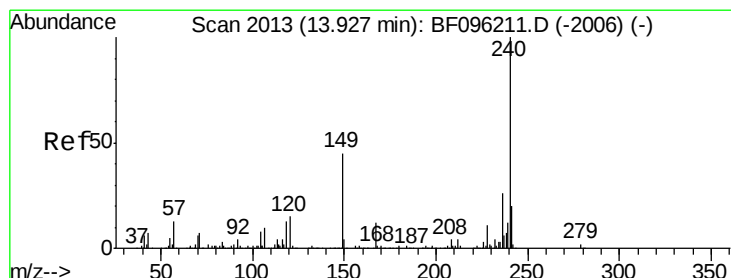
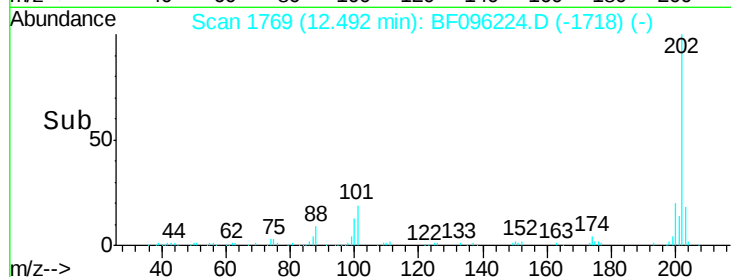
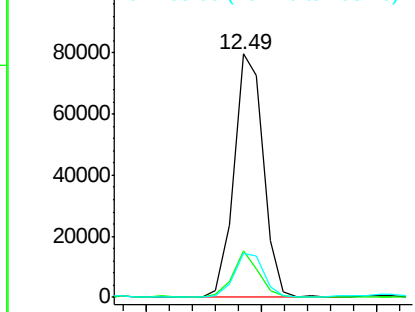
#74  
 Fluoranthene  
 Concen: 3.043 ng  
 RT: 12.49 min Scan# 1769  
 Delta R.T. -0.00 min  
 Lab File: BF096224.D  
 Acq: 27 Jun 2017 18:57

Instrument :  
 BNA\_F  
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 CL-01-062217-D

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 19.2  | 0.0   | 33.2  |
| 203     | 18.1  | 0.0   | 38.1  |

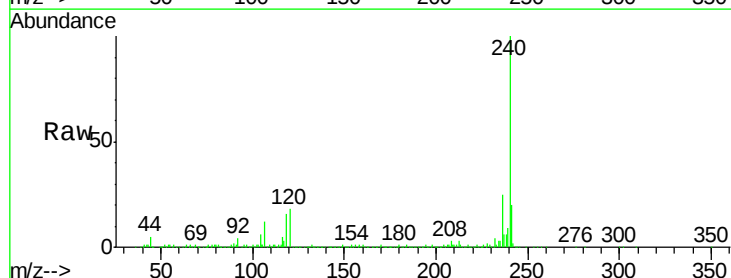


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

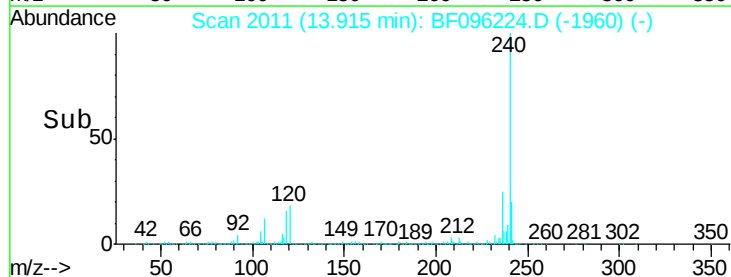
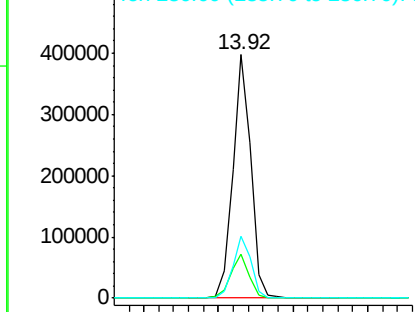


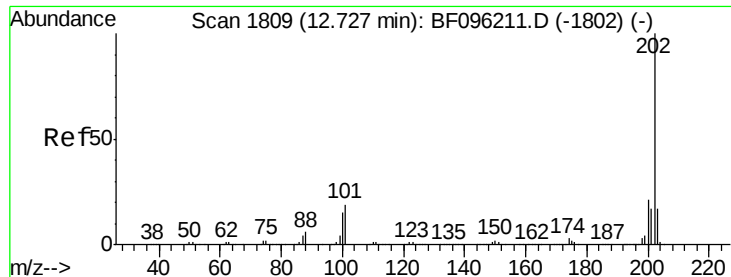
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.92 min Scan# 2011  
 Delta R.T. -0.00 min  
 Lab File: BF096224.D  
 Acq: 27 Jun 2017 18:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 18.1  | 5.8   | 8.8#  |
| 236     | 25.2  | 20.5  | 30.7  |



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

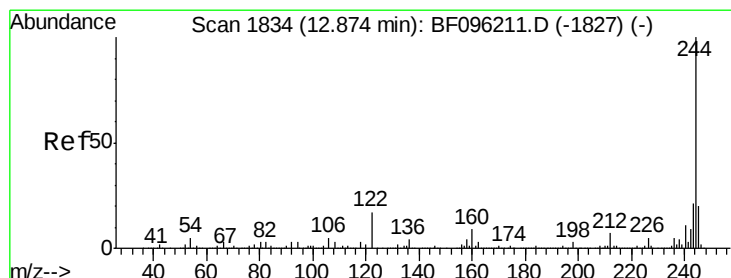
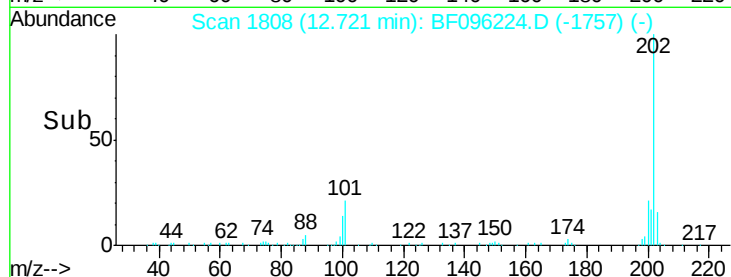
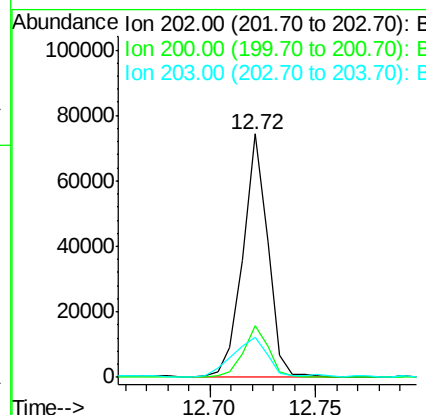
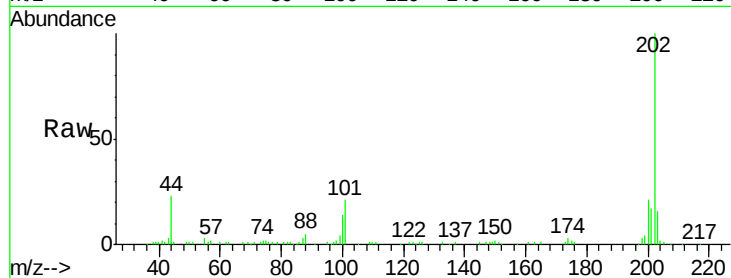




#77  
 Pyrene  
 Concen: 2.176 ng  
 RT: 12.72 min Scan# 1808  
 Delta R.T. -0.00 min  
 Lab File: BF096224.D  
 Acq: 27 Jun 2017 18:57

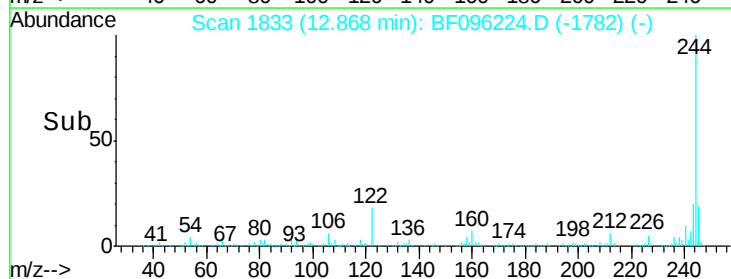
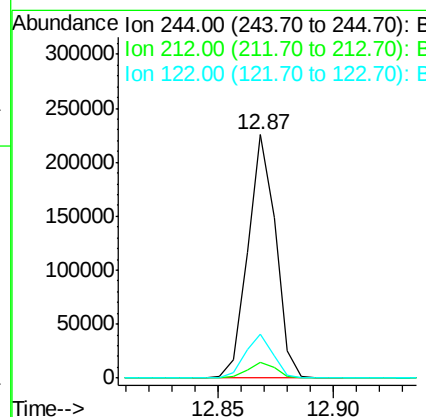
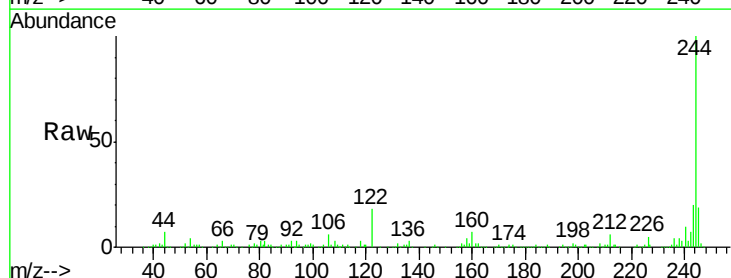
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-062217-D

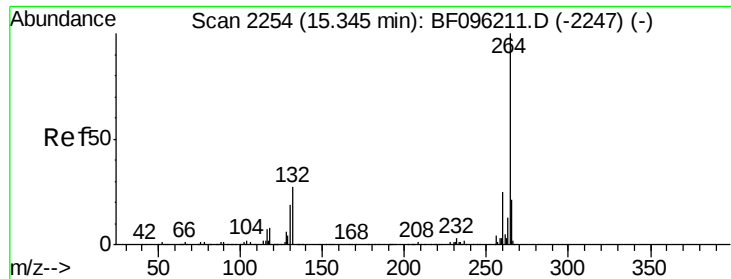
Tgt Ion: 202 Resp: 60684  
 Ion Ratio Lower Upper  
 202 100  
 200 21.2 17.6 26.4  
 203 16.4 14.4 21.6



#78  
 Terphenyl-d14  
 Concen: 13.937 ng  
 RT: 12.87 min Scan# 1833  
 Delta R.T. -0.00 min  
 Lab File: BF096224.D  
 Acq: 27 Jun 2017 18:57

Tgt Ion: 244 Resp: 189568  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 6.0 9.0  
 122 18.3 10.3 15.5#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.34 min Scan# 2253  
Delta R.T. -0.00 min  
Lab File: BF096224.D  
Acq: 27 Jun 2017 18:57

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-062217-D

Tgt Ion: 264 Resp: 298283  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.5 29.3  
265 22.6 17.2 25.8

