

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\  
 Data File : BF115441.D  
 Acq On : 9 Jul 2019 19:01  
 Operator : HP/JU  
 Sample : K3687-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STONES

Quant Time: Jul 10 03:45:29 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:29:09 2019  
 Response via : Initial Calibration

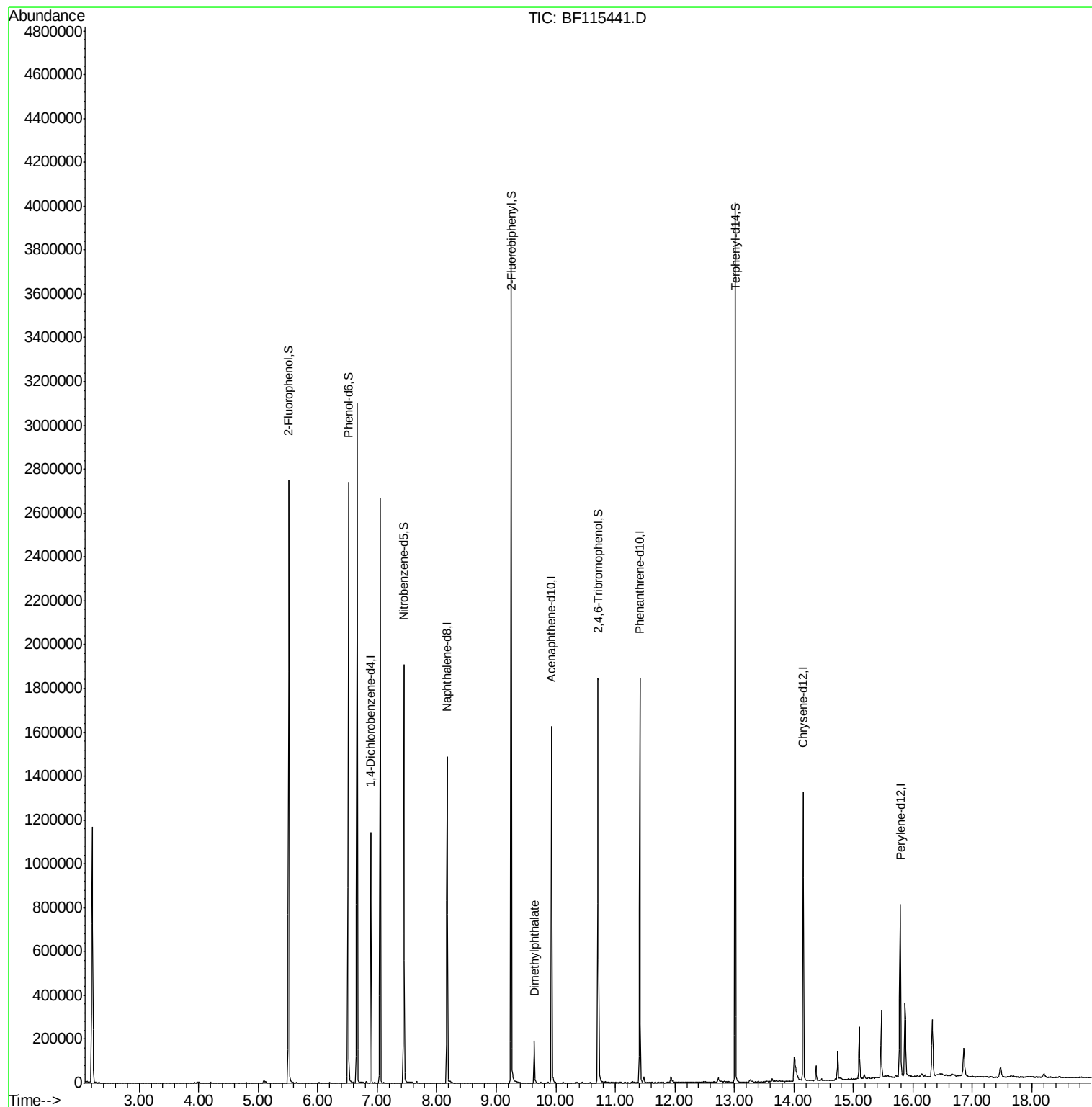
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 158363   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.17  | 136  | 612239   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.93  | 164  | 321871   | 20.00 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.41 | 188  | 634120   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 14.16 | 240  | 449287   | 20.00 | ng    | -0.06     |
| 87) Perylene-d12            | 15.79 | 264  | 395528   | 20.00 | ng    | -0.09     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.52  | 112  | 758564   | 74.01 | ng    | 0.00      |
| 7) Phenol-d6                | 6.52  | 99   | 1008293  | 77.35 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 617732   | 59.61 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 266377   | 74.85 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1192630  | 65.02 | ng    | 0.00      |
| 79) Terphenyl-d14           | 13.02 | 244  | 1466960  | 66.85 | ng    | -0.02     |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 9.64  | 163  | 83010    | 3.436 | ng    | Qvalue 98 |

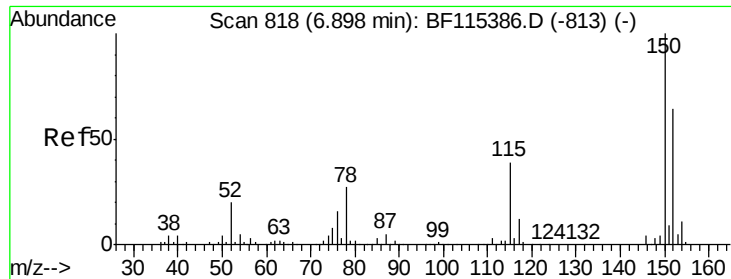
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 10 03:45:29 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 09 16:29:09 2019  
Response via : Initial Calibration



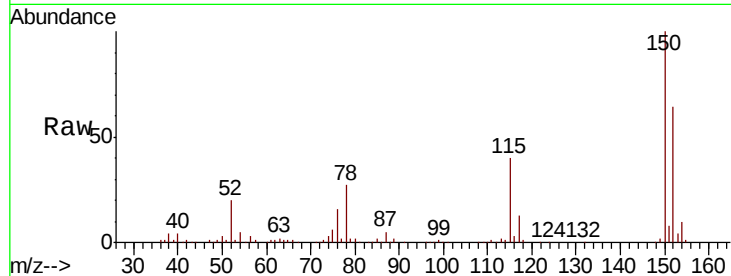


#1

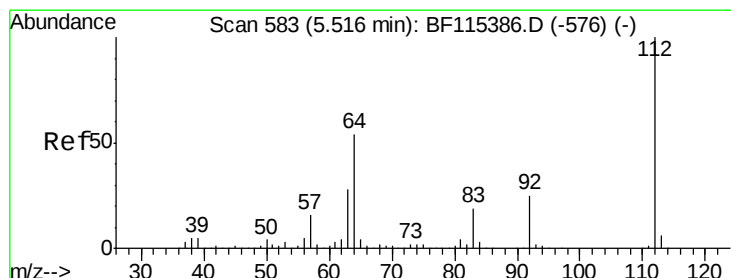
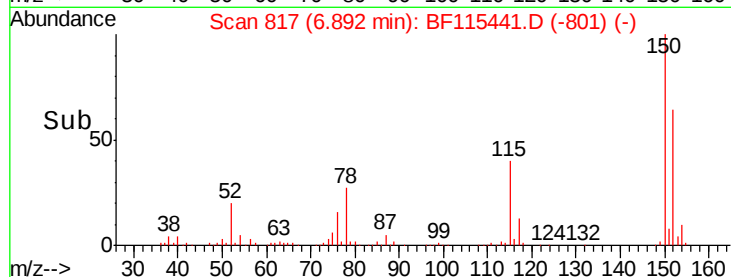
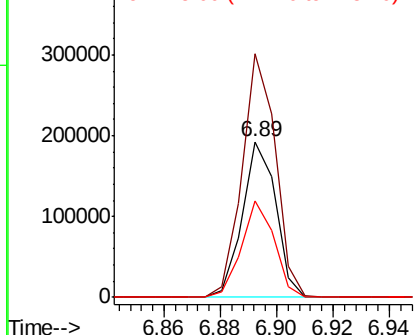
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BF115441.D  
 Acq: 9 Jul 2019 19:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STONES

Tot Ion:152 Resp: 158363  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 126.5 189.7  
 115 62.4 48.6 73.0



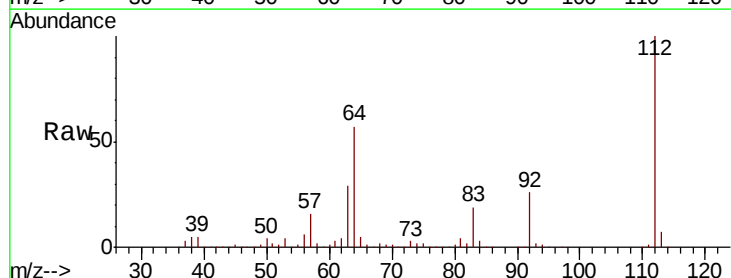
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



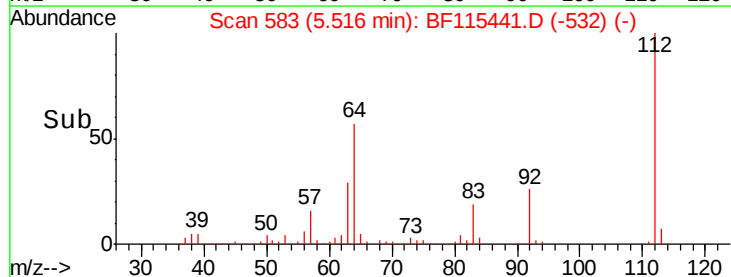
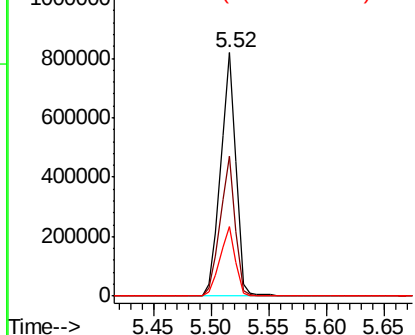
#5

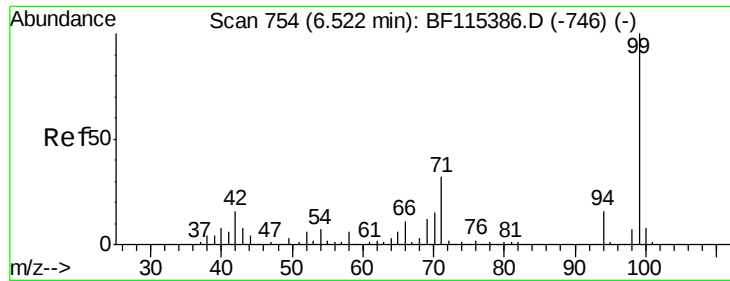
2-Fluorophenol  
 Concen: 74.007 ng  
 RT: 5.52 min Scan# 583  
 Delta R.T. -0.00 min  
 Lab File: BF115441.D  
 Acq: 9 Jul 2019 19:01

Tgt Ion:112 Resp: 758564  
 Ion Ratio Lower Upper  
 112 100  
 64 57.3 47.0 70.4  
 63 28.8 23.7 35.5



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: 77.349 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115441.D

Acq: 9 Jul 2019 19:01

Instrument :

BNA\_F

ClientSampled :

STONES

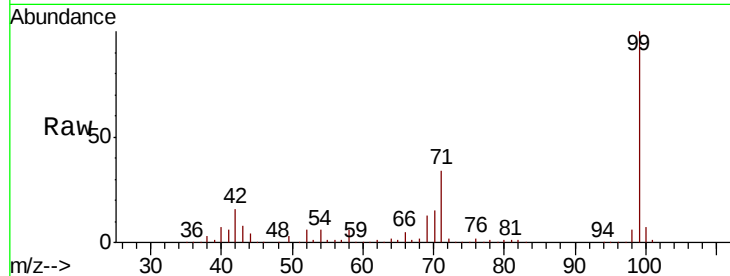
Tot Ion: 99 Resp: 1008293

Ion Ratio Lower Upper

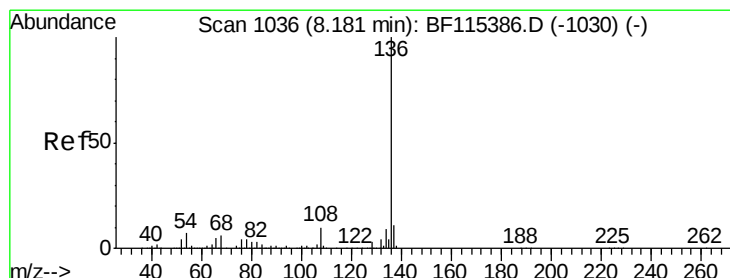
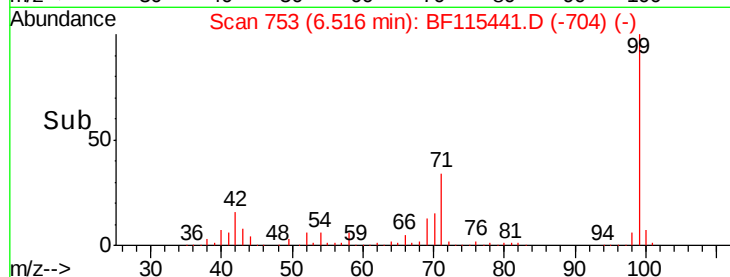
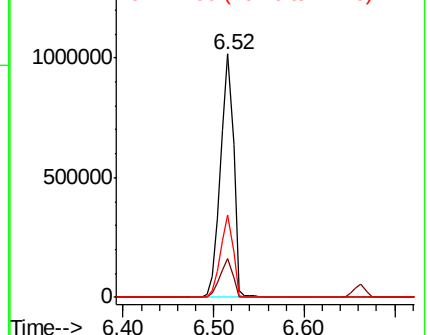
99 100

42 16.1 12.7 19.1

71 33.9 26.2 39.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115441.D

Acq: 9 Jul 2019 19:01

Tgt Ion: 136 Resp: 612239

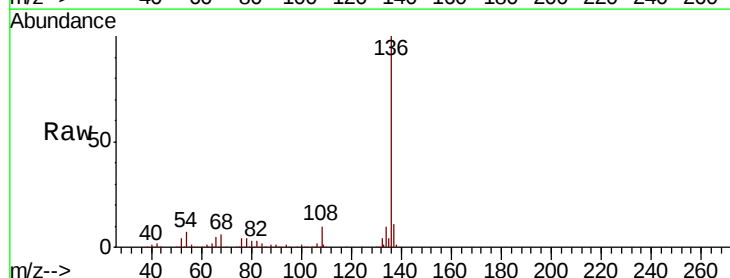
Ion Ratio Lower Upper

136 100

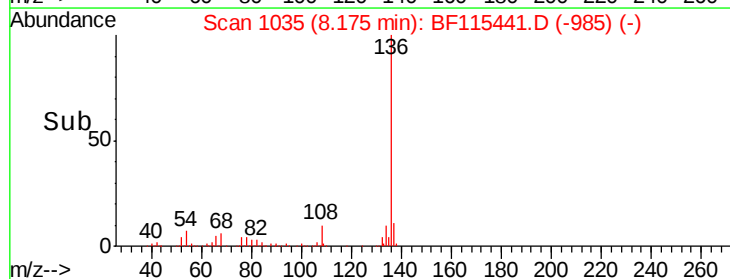
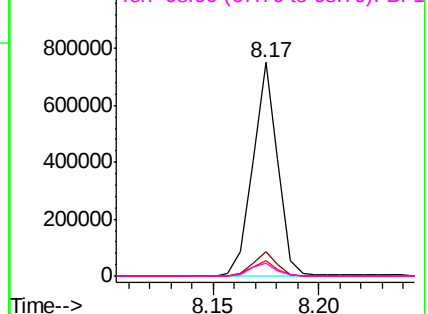
137 11.2 8.9 13.3

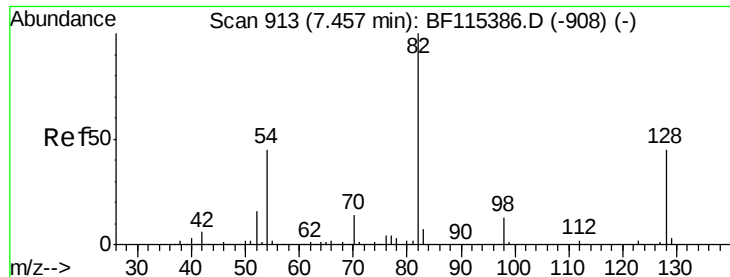
54 6.9 5.5 8.3

68 6.2 5.1 7.7



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

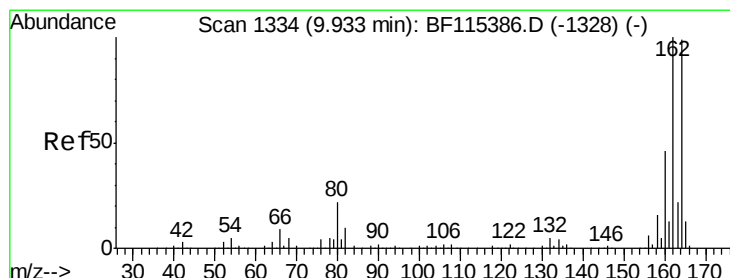
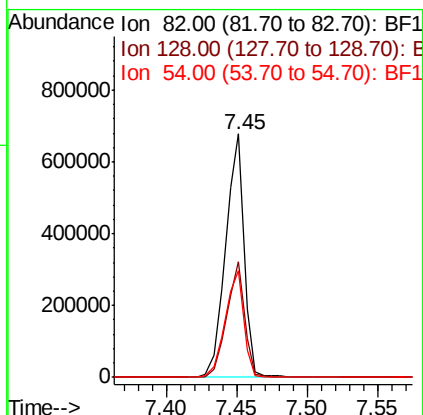
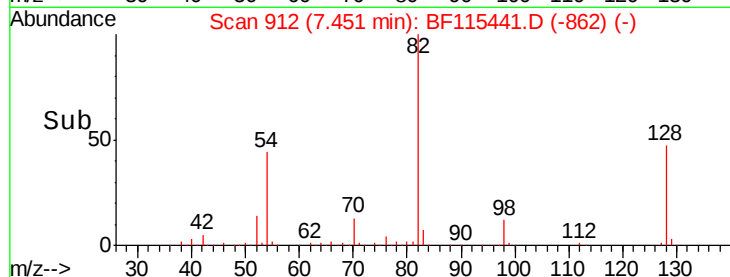
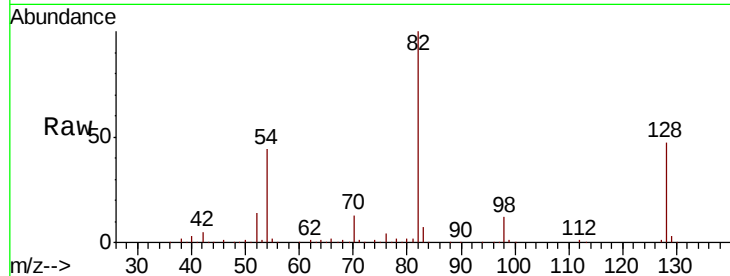




#23  
Nitrobenzene-d5  
Concen: 59.613 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BF115441.D  
Acq: 9 Jul 2019 19:01

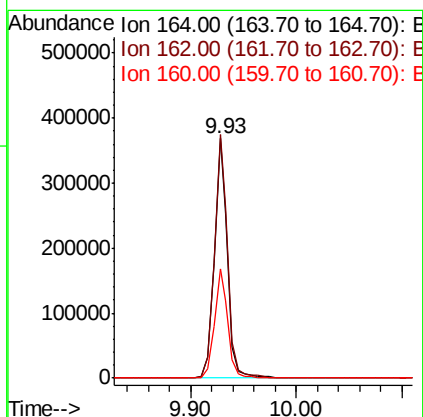
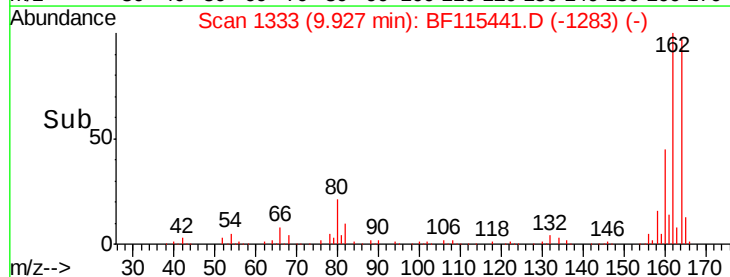
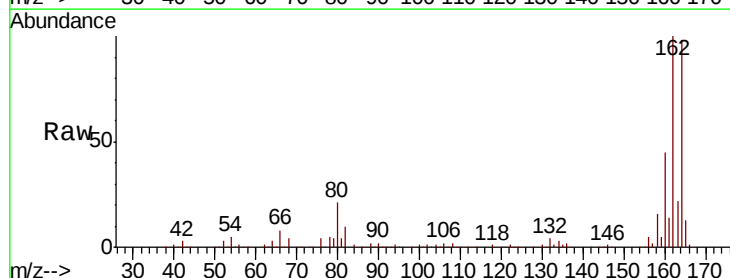
Instrument :  
BNA\_F  
ClientSampled :  
STONES

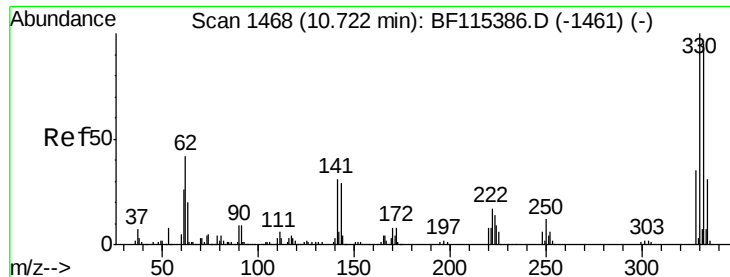
Tot Ion: 82 Resp: 617732  
Ion Ratio Lower Upper  
82 100  
128 47.4 36.2 54.4  
54 43.6 35.4 53.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF115441.D  
Acq: 9 Jul 2019 19:01

Tgt Ion:164 Resp: 321871  
Ion Ratio Lower Upper  
164 100  
162 101.6 81.5 122.3  
160 45.7 36.6 55.0

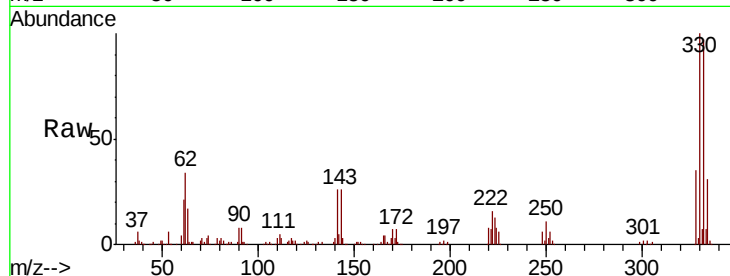




#42  
 2,4,6-Tribromophenol  
 Concen: 74.850 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. -0.01 min  
 Lab File: BF115441.D  
 Acq: 9 Jul 2019 19:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STONES

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.6  | 115.0 |
| 141     | 31.9  | 25.1  | 37.7  |

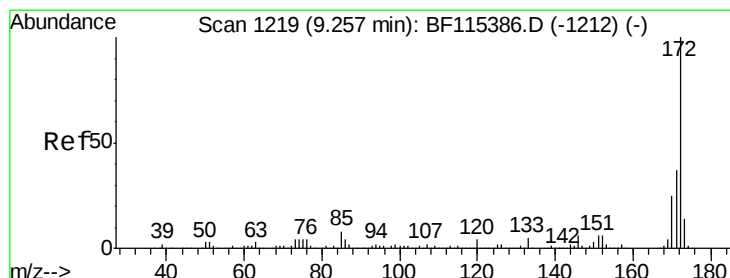
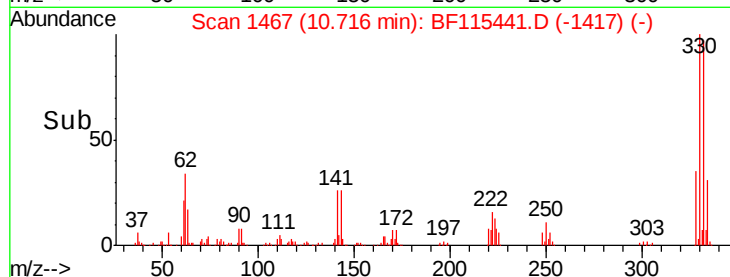
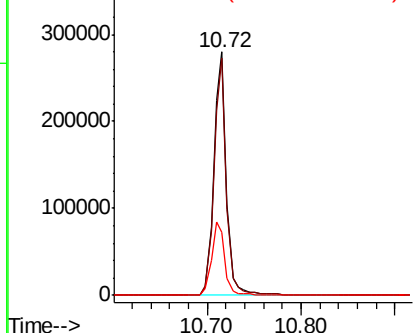


Abundance

Ion 329.80 (329.50 to 330.50): E

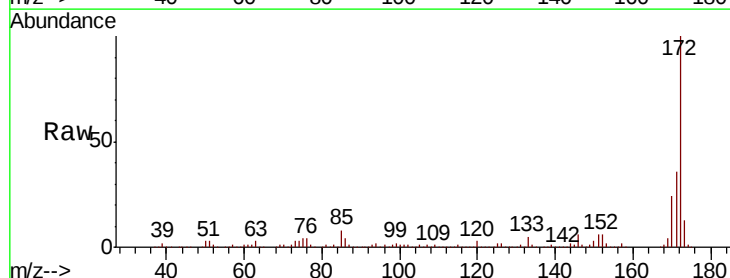
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 65.019 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF115441.D  
 Acq: 9 Jul 2019 19:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.8  | 44.8  |
| 170     | 24.4  | 19.8  | 29.6  |

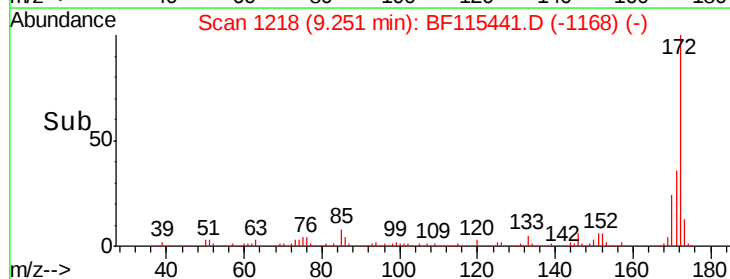
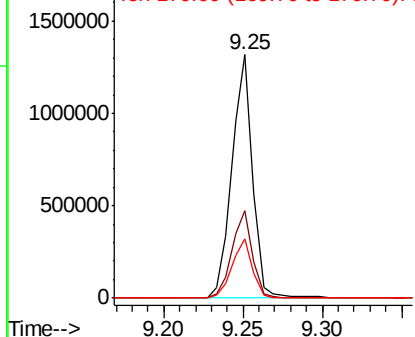


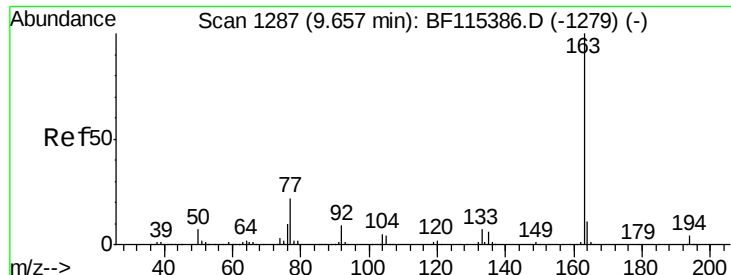
Abundance

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

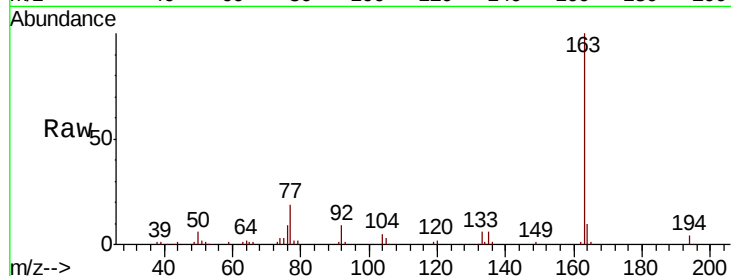




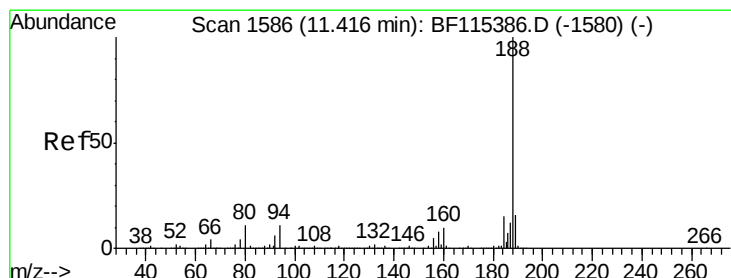
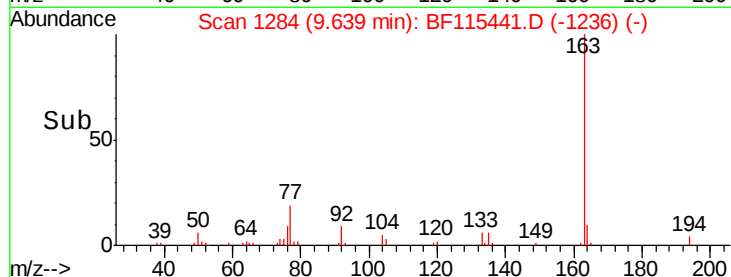
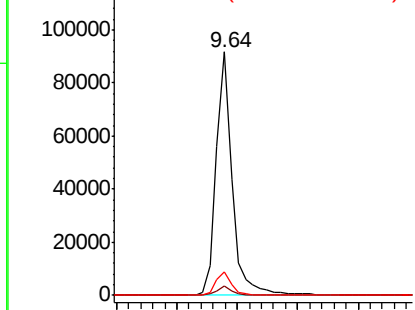
#50  
Dimethylphthalate  
Concen: 3.436 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BF115441.D  
Acq: 9 Jul 2019 19:01

Instrument :  
BNA\_F  
ClientSampleId :  
STONES

Tot Ion:163 Resp: 83010  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.6 8.5 12.7

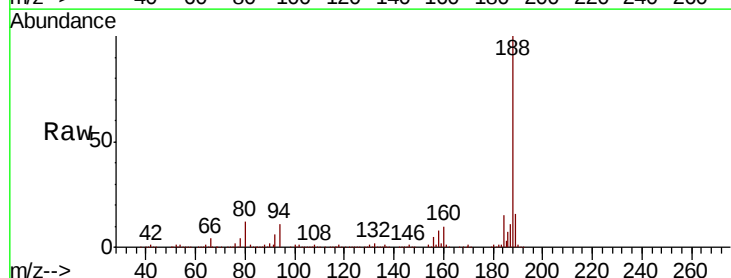


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

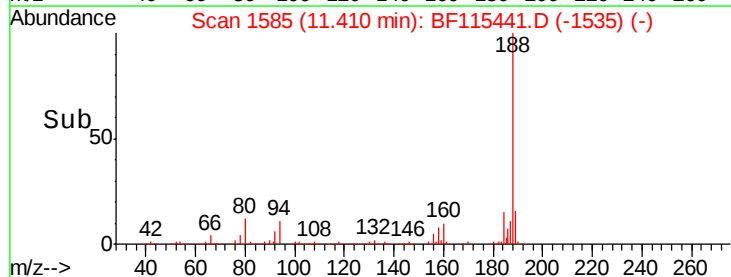
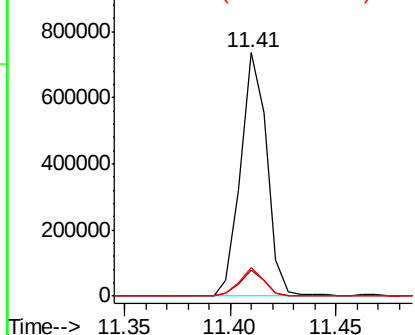


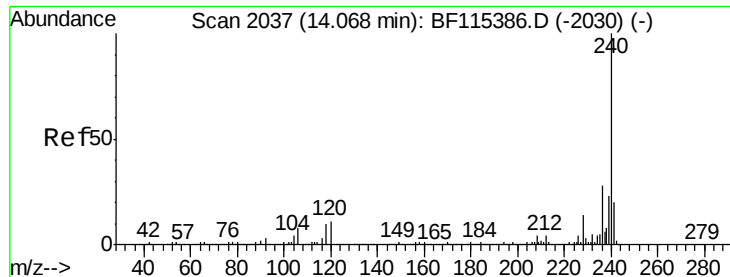
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. -0.01 min  
Lab File: BF115441.D  
Acq: 9 Jul 2019 19:01

Tgt Ion:188 Resp: 634120  
Ion Ratio Lower Upper  
188 100  
94 10.6 8.1 12.1  
80 11.7 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.06 min

Lab File: BF115441.D

Acq: 9 Jul 2019 19:01

Instrument :

BNA\_F

ClientSampleId :

STONES

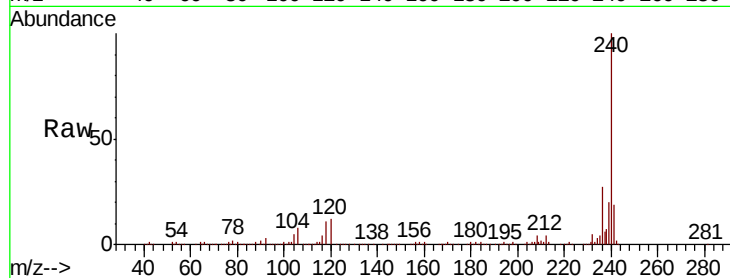
Tot Ion:240 Resp: 449287

Ion Ratio Lower Upper

240 100

120 12.1 9.6 14.4

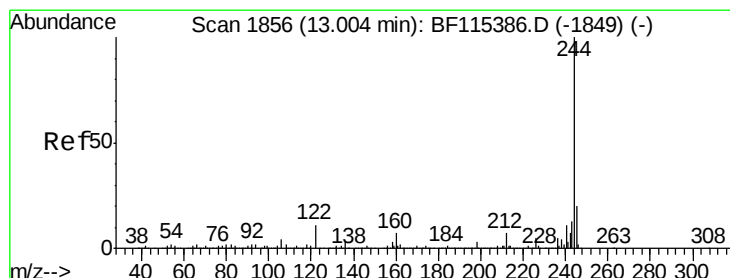
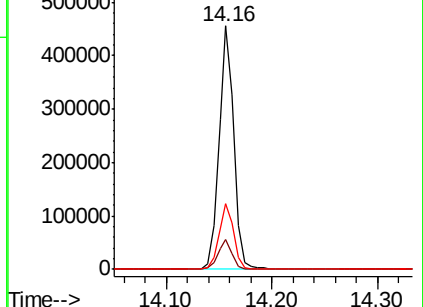
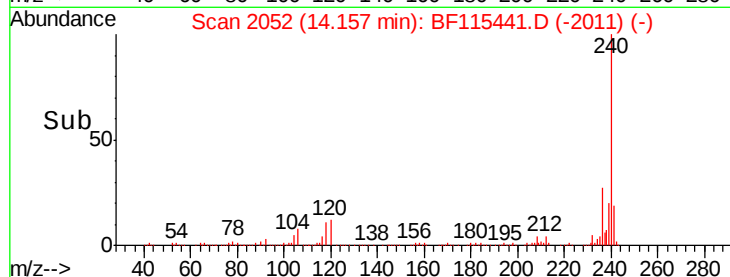
236 27.2 21.6 32.4



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: 66.853 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF115441.D

Acq: 9 Jul 2019 19:01

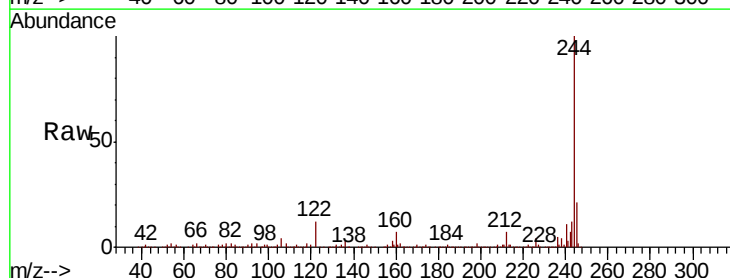
Tgt Ion:244 Resp: 1466960

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

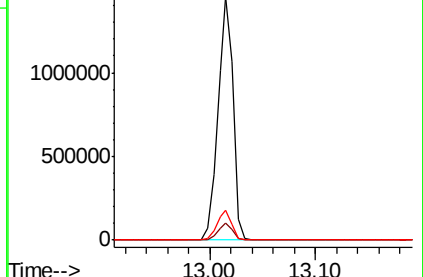
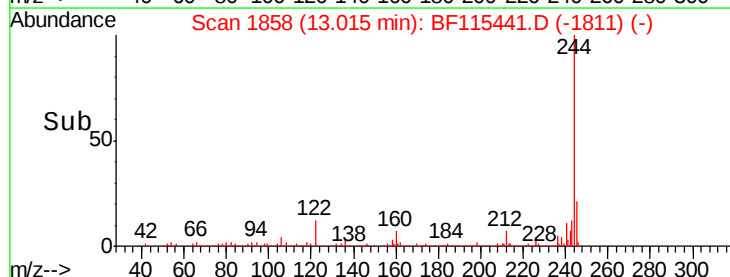
122 12.1 9.3 13.9

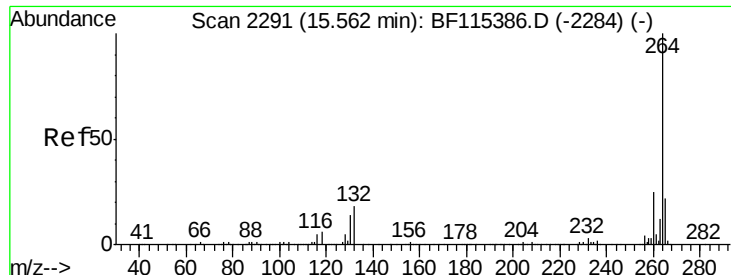


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

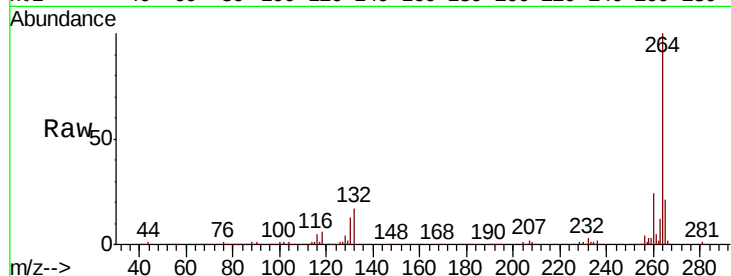




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.79 min Scan# 2329  
 Delta R.T. -0.09 min  
 Lab File: BF115441.D  
 Acq: 9 Jul 2019 19:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STONES

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.2  |
| 265     | 20.5  | 17.2  | 25.8  |



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

