

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\  
 Data File : BF114337.D  
 Acq On : 17 May 2019 4:34  
 Operator : JU/SJ  
 Sample : K2867-01  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-A

Quant Time: May 17 08:10:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 15:56:46 2019  
 Response via : Initial Calibration

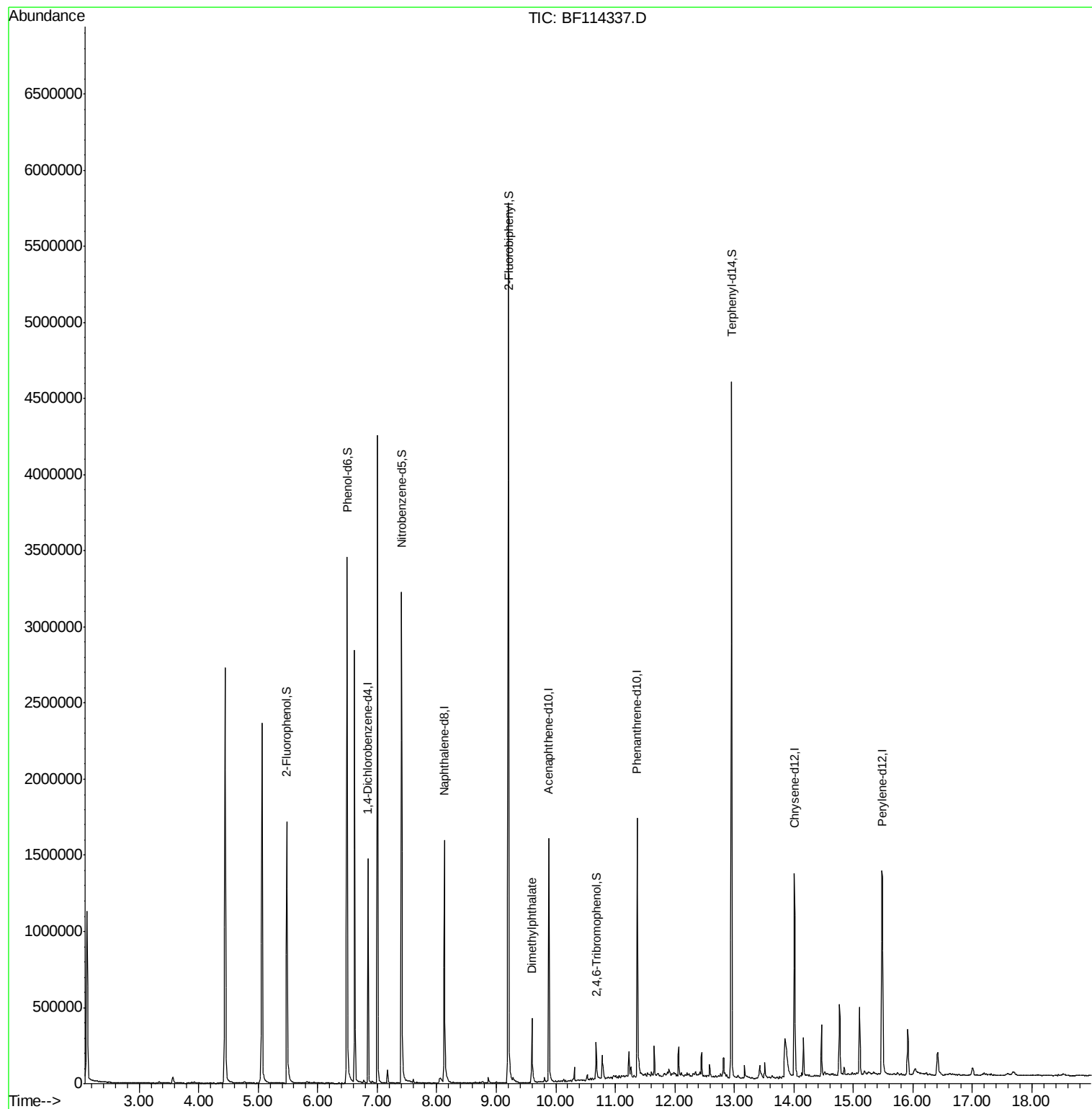
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 211596   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.13  | 136  | 803496   | 20.00 | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.88  | 164  | 364267   | 20.00 | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.37 | 188  | 668303   | 20.00 | ng    | 0.00         |
| 76) Chrysene-d12            | 14.01 | 240  | 464387   | 20.00 | ng    | -0.01        |
| 87) Perylene-d12            | 15.49 | 264  | 543325   | 20.00 | ng    | -0.02        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.48  | 112  | 517248   | 39.34 | ng    | 0.00         |
| 7) Phenol-d6                | 6.49  | 99   | 1229790  | 79.08 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 1062277  | 74.19 | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330  | 38396    | 10.20 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1842476  | 76.51 | ng    | 0.00         |
| 79) Terphenyl-d14           | 12.95 | 244  | 1587406  | 70.47 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 50) Dimethylphthalate       | 9.60  | 163  | 219643   | 8.214 | ng    | Qvalue<br>99 |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 10 15:56:46 2019  
Response via : Initial Calibration



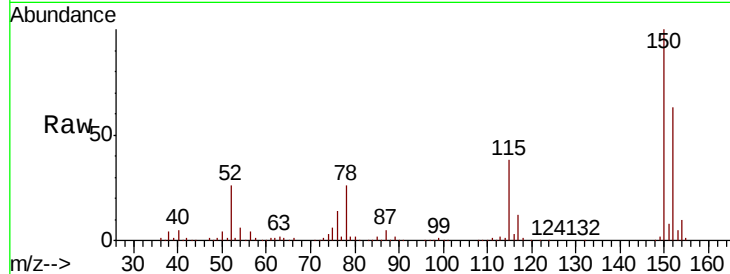


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.7 | 124.3 | 186.5 |
| 115     | 60.3  | 49.1  | 73.7  |

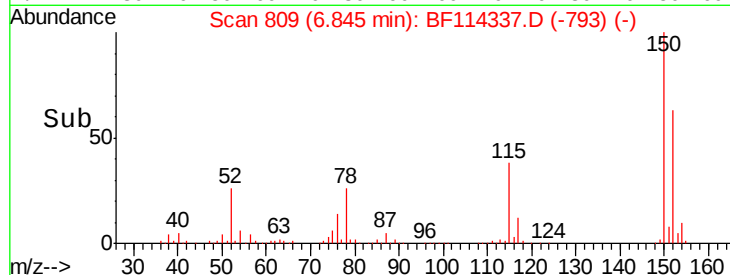
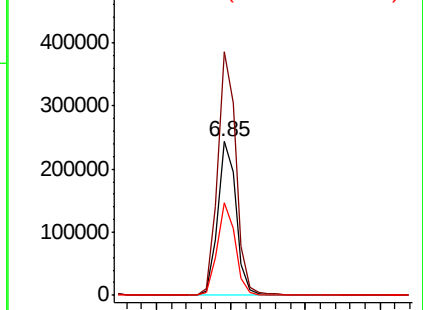


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

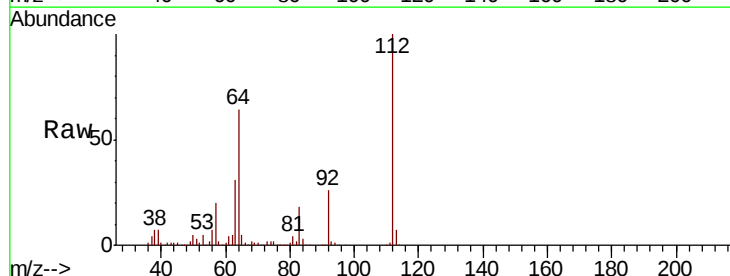
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 39.339 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.5  | 49.0  | 73.6  |
| 63      | 31.3  | 24.6  | 37.0  |

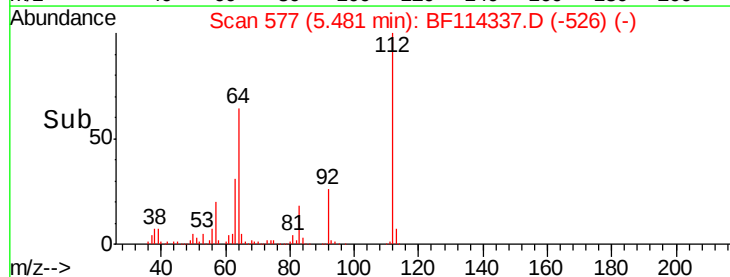
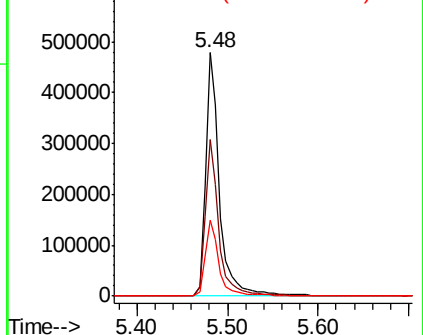


Abundance

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: 79.079 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114337.D

Acq: 17 May 2019 4:34

Instrument :

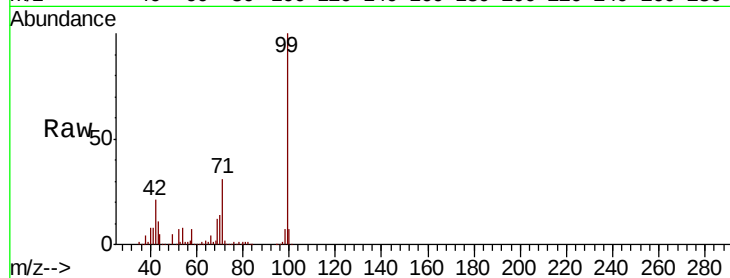
BNA\_F

ClientSampleId :

CONCRETE-A

Tot Ion: 99 Resp: 1229790

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.0  | 17.9  | 26.9  |
| 71  | 31.4  | 26.2  | 39.2  |

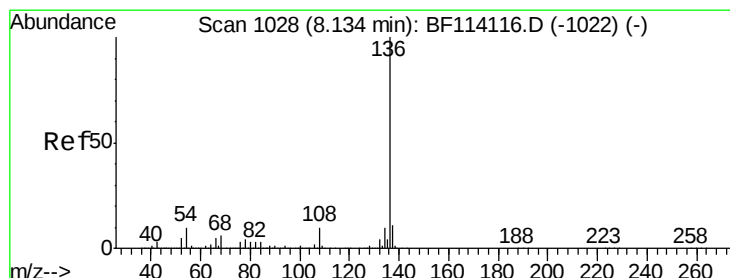
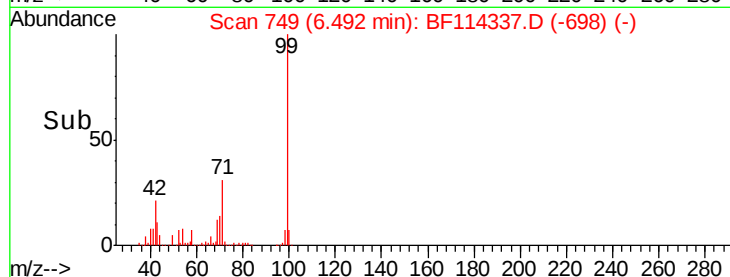
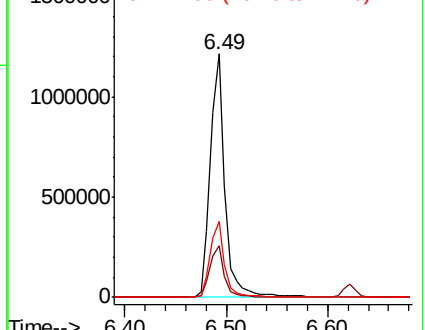


Abundance

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: 8.13 min Scan# 1027

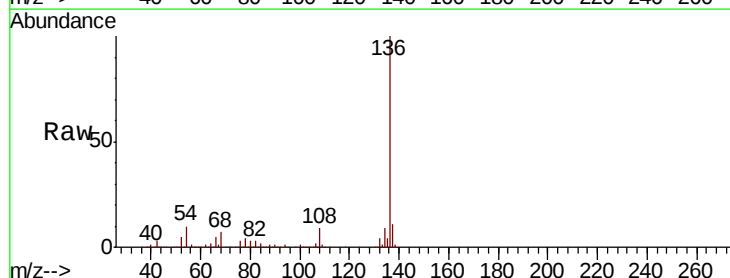
Delta R.T. -0.01 min

Lab File: BF114337.D

Acq: 17 May 2019 4:34

Tgt Ion: 136 Resp: 803496

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 9.7   | 7.8   | 11.8  |
| 68  | 6.7   | 5.1   | 7.7   |



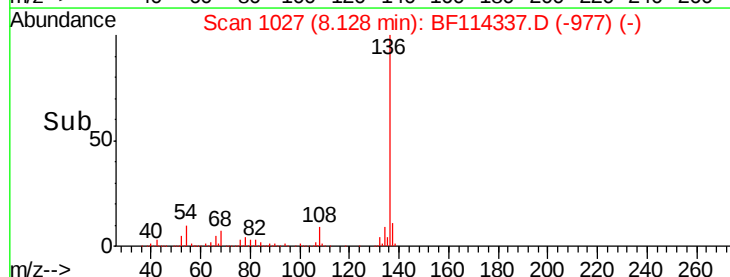
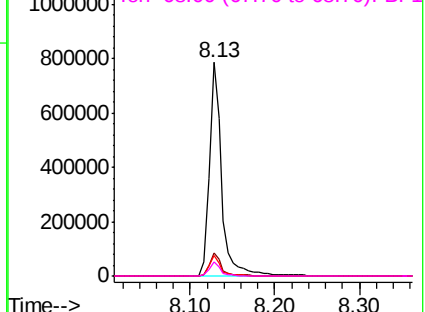
Abundance

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

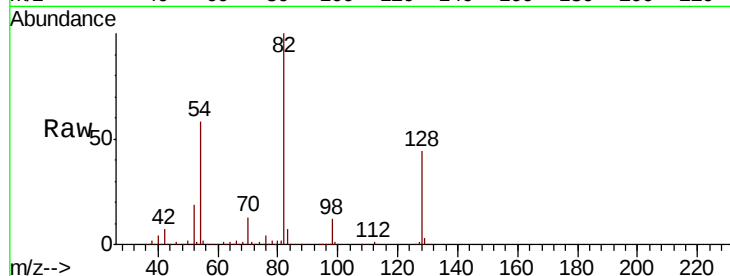




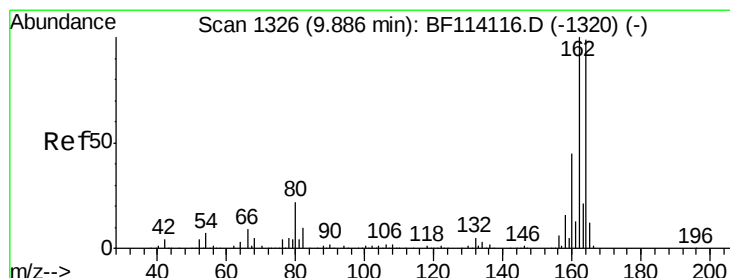
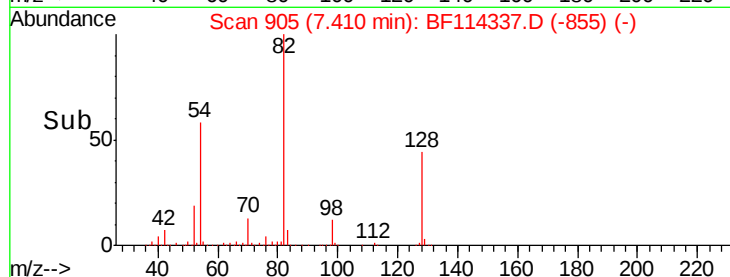
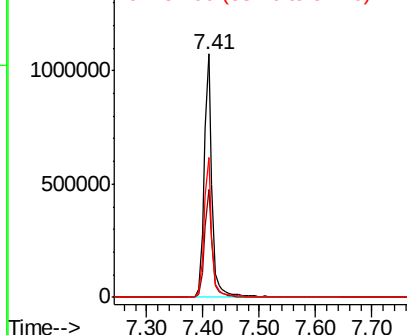
#23  
Nitrobenzene-d5  
Concen: 74.195 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-A

Tot Ion: 82 Resp: 1062277  
Ion Ratio Lower Upper  
82 100  
128 44.2 35.5 53.3  
54 57.6 48.5 72.7

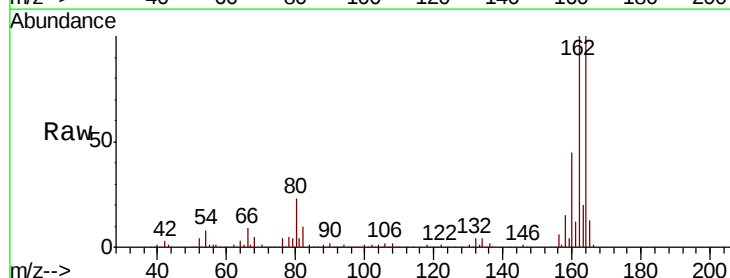


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

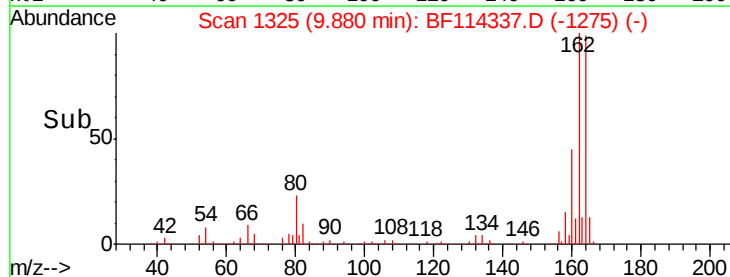
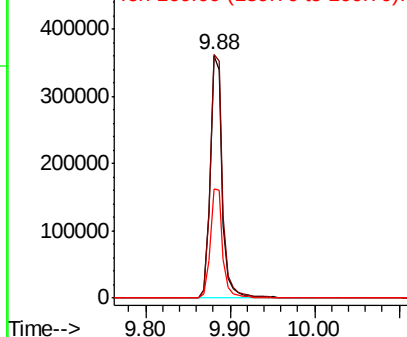


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

Tgt Ion:164 Resp: 364267  
Ion Ratio Lower Upper  
164 100  
162 100.3 80.6 120.8  
160 45.1 36.5 54.7



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: 10.196 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BF114337.D

Acq: 17 May 2019 4:34

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-A

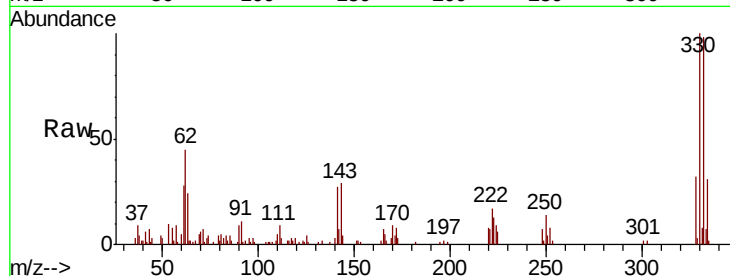
Tot Ion:330 Resp: 38396

Ion Ratio Lower Upper

330 100

332 101.5 81.4 122.2

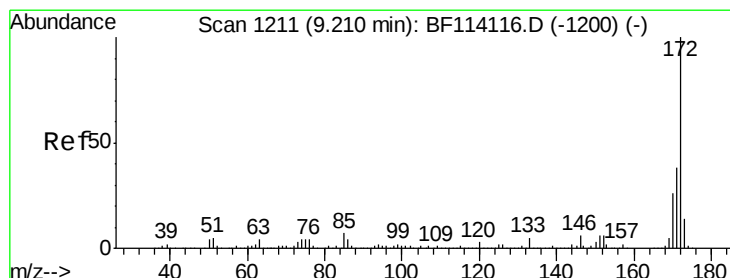
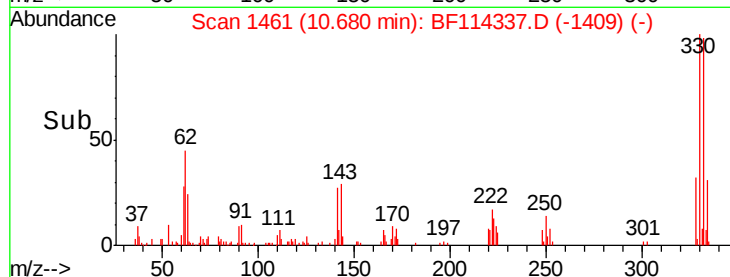
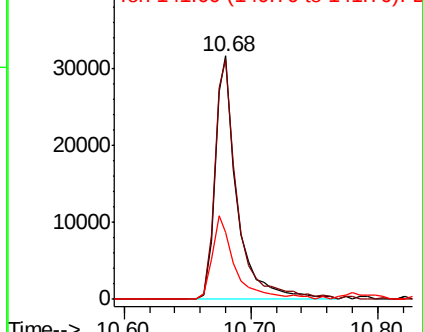
141 35.9 26.6 40.0



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: 76.511 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114337.D

Acq: 17 May 2019 4:34

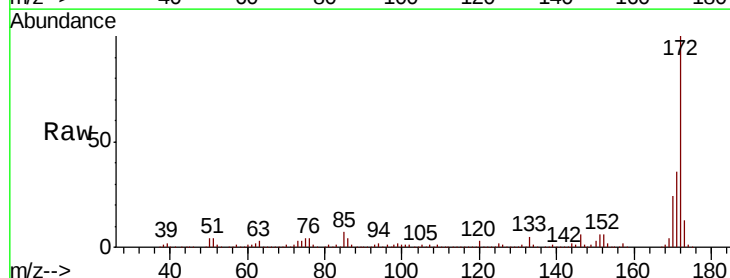
Tgt Ion:172 Resp: 1842476

Ion Ratio Lower Upper

172 100

171 36.3 30.7 46.1

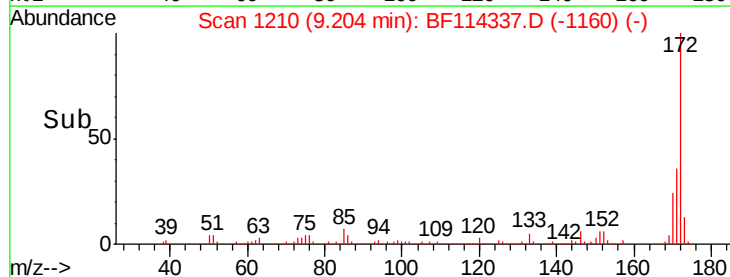
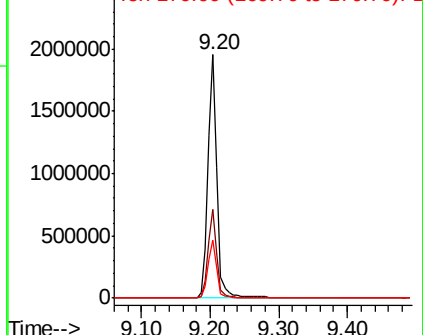
170 24.1 20.5 30.7

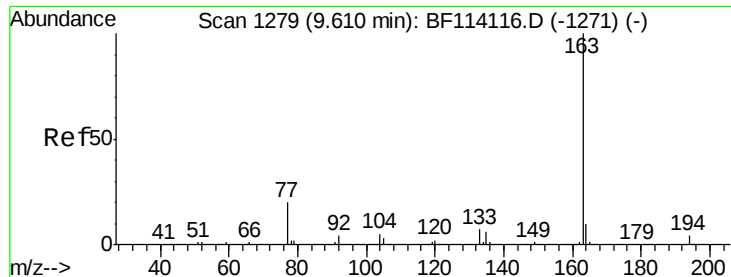


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

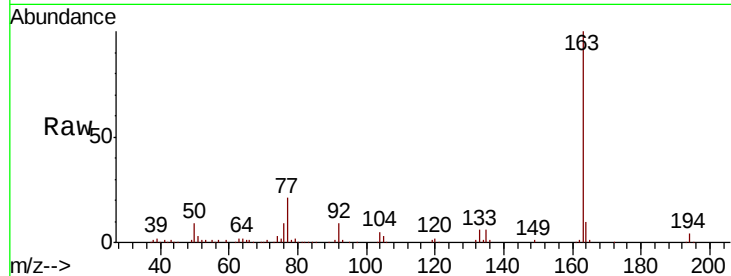




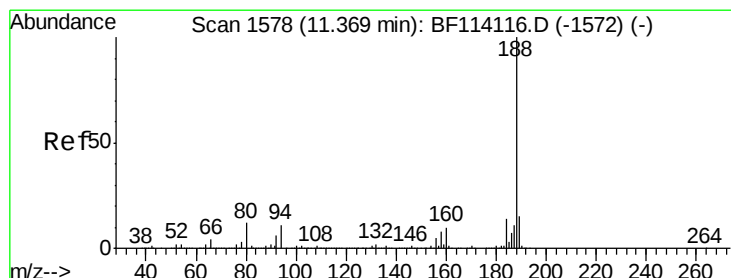
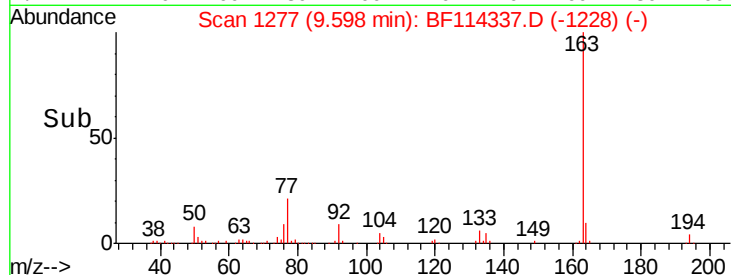
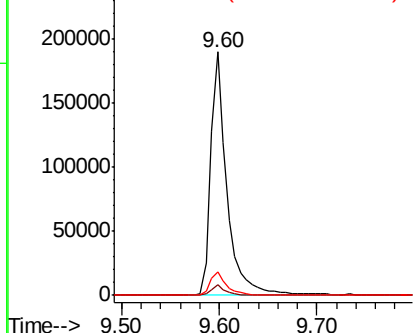
#50  
Dimethylphthalate  
Concen: 8.214 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.01 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.4   | 5.0   |
| 164     | 9.7   | 8.2   | 12.2  |

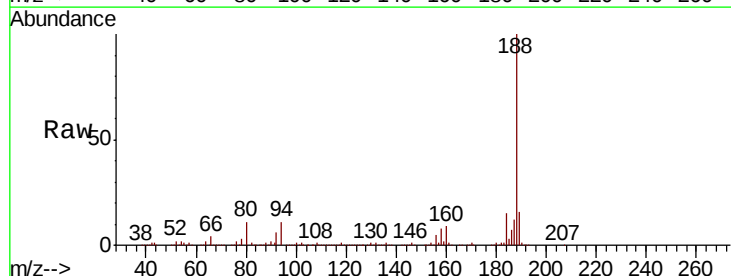


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

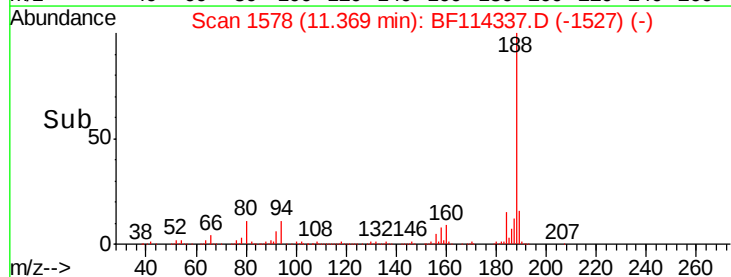
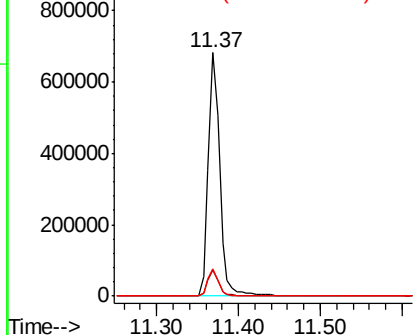


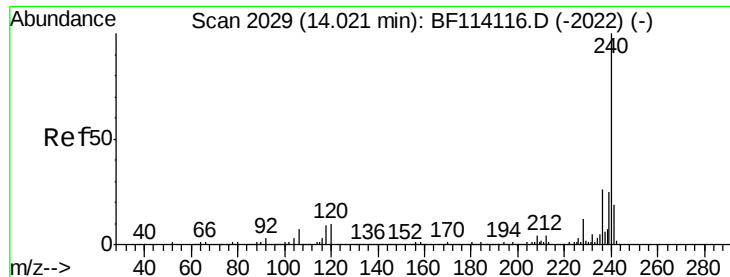
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.8  | 8.4   | 12.6  |
| 80      | 11.4  | 9.2   | 13.8  |



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

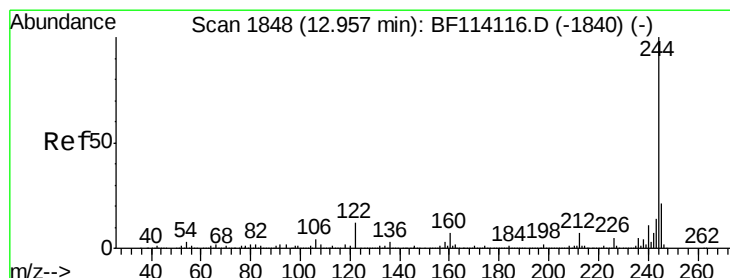
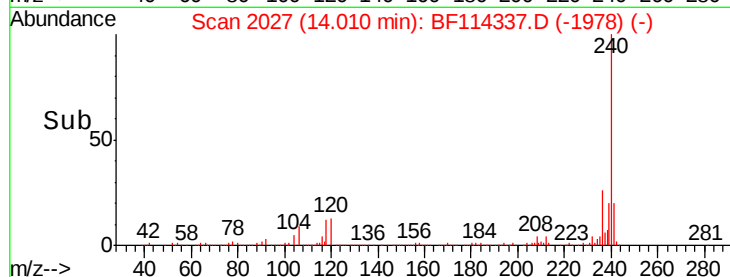
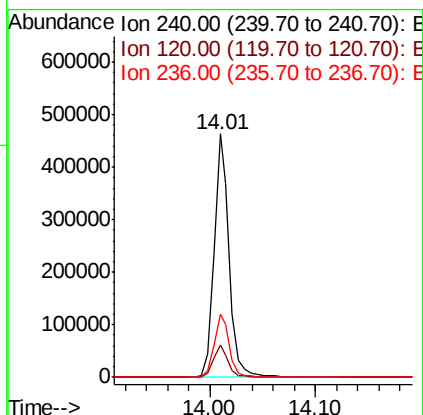
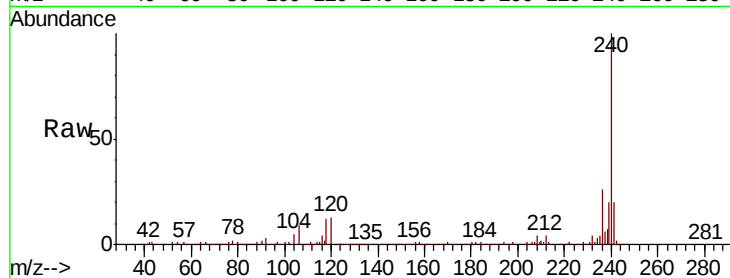




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

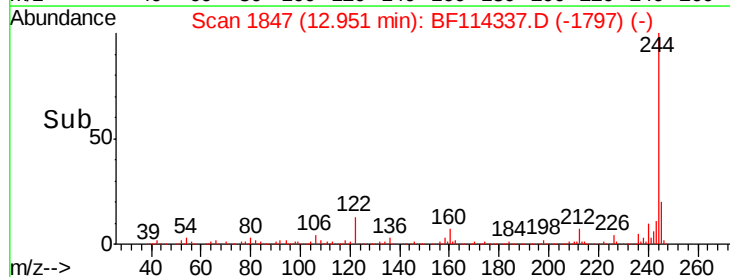
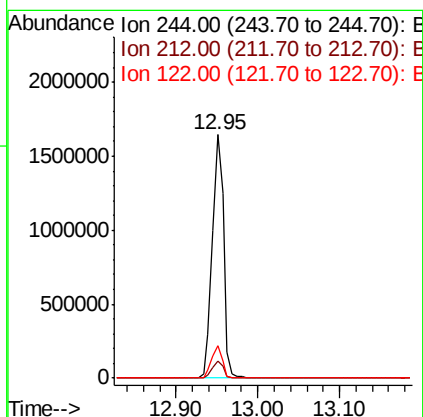
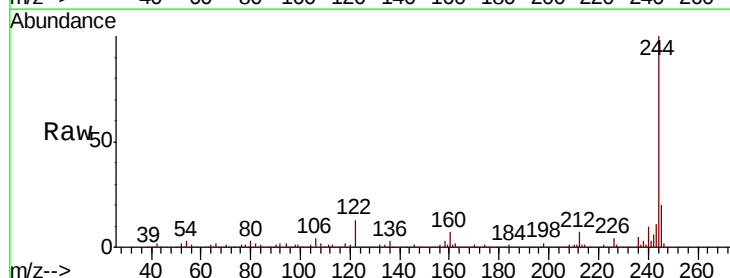
Instrument :  
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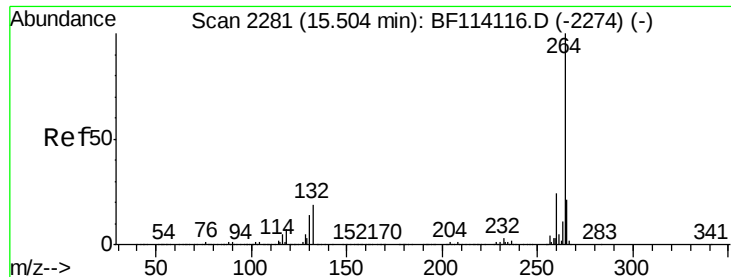
Tot Ion:240 Resp: 464387  
Ion Ratio Lower Upper  
240 100  
120 13.1 8.3 12.5#  
236 26.1 20.8 31.2



#79  
Terphenyl-d14  
Concen: 70.466 ng  
RT: 12.95 min Scan# 1847  
Delta R.T. -0.01 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

Tgt Ion:244 Resp: 1587406  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.8 8.6  
122 13.1 9.4 14.2





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2278  
Delta R.T. -0.02 min  
Lab File: BF114337.D  
Acq: 17 May 2019 4:34

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.4  | 29.0  |
| 265     | 22.6  | 16.9  | 25.3  |

