

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\  
 Data File : BF112471.D  
 Acq On : 8 Feb 2019 20:30  
 Operator : JU/SJ  
 Sample : K1422-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE

Quant Time: Feb 09 06:03:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

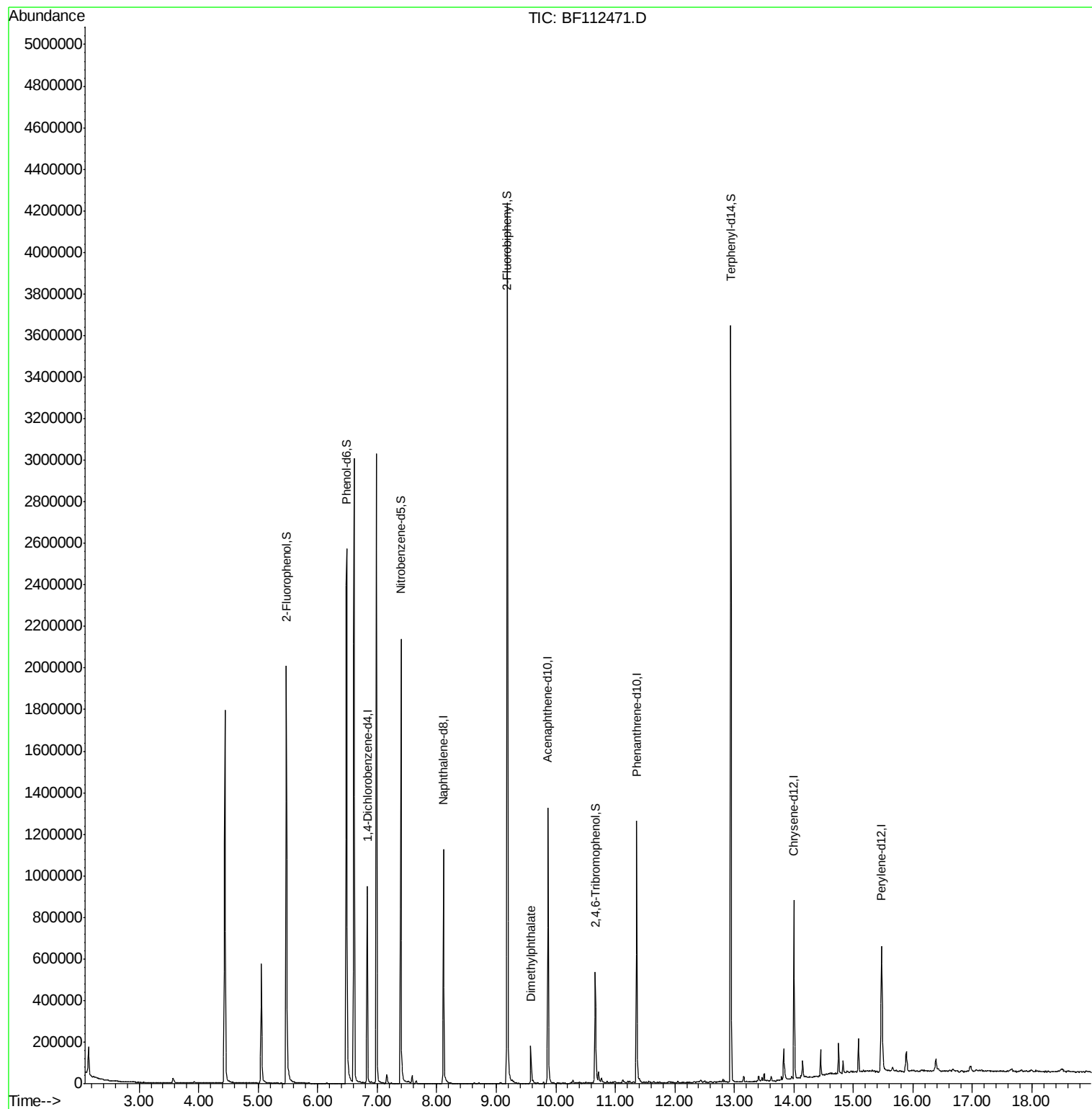
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 155827   | 20.00 | ng    | -0.01        |
| 21) Naphthalene-d8          | 8.12  | 136  | 599568   | 20.00 | ng    | -0.01        |
| 39) Acenaphthene-d10        | 9.87  | 164  | 282705   | 20.00 | ng    | -0.02        |
| 64) Phenanthrene-d10        | 11.36 | 188  | 489873   | 20.00 | ng    | -0.01        |
| 76) Chrysene-d12            | 14.00 | 240  | 312741   | 20.00 | ng    | 0.00         |
| 87) Perylene-d12            | 15.47 | 264  | 314403   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.47  | 112  | 603194   | 82.22 | ng    | 0.00         |
| 7) Phenol-d6                | 6.49  | 99   | 990058   | 97.12 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 741501   | 71.26 | ng    | -0.01        |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 79533    | 24.17 | ng    | -0.02        |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1505448  | 75.32 | ng    | -0.01        |
| 79) Terphenyl-d14           | 12.94 | 244  | 1221318  | 73.55 | ng    | -0.01        |
| Target Compounds            |       |      |          |       |       |              |
| 50) Dimethylphthalate       | 9.58  | 163  | 106742   | 4.860 | ng    | Qvalue<br>99 |

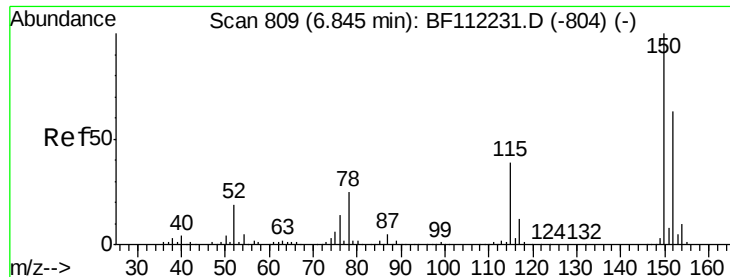
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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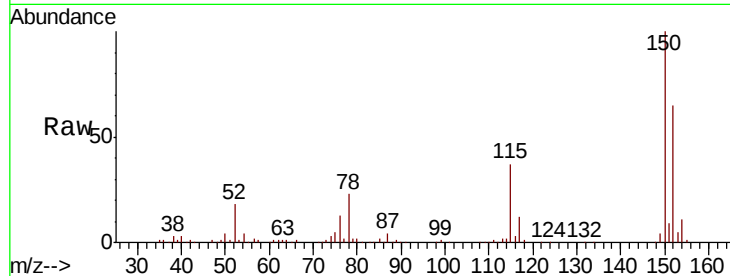


#1

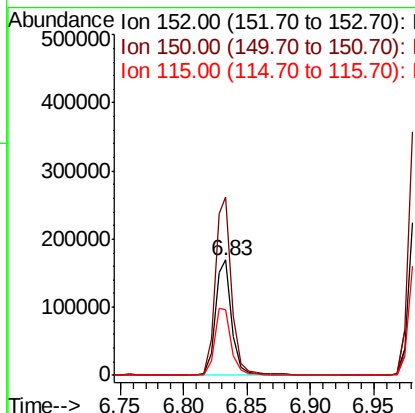
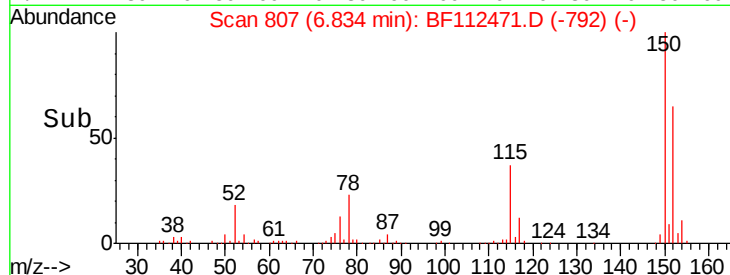
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF112471.D  
Acq: 8 Feb 2019 20:30

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE

Tot Ion:152 Resp: 155827  
Ion Ratio Lower Upper  
152 100  
150 155.0 127.4 191.0  
115 56.6 45.5 68.3



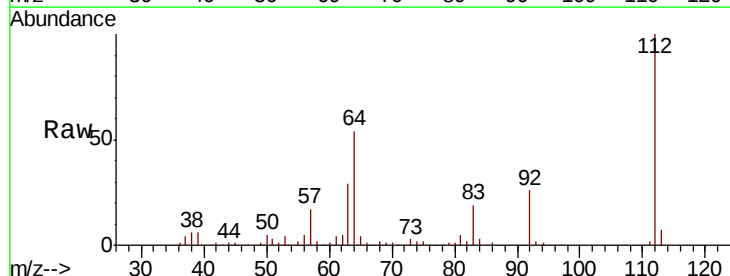
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



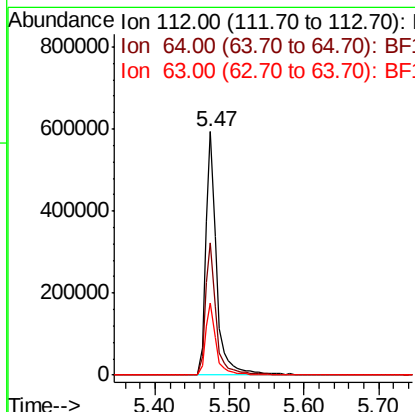
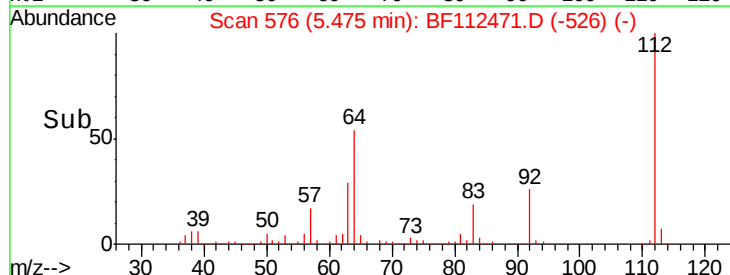
#5

2-Fluorophenol  
Concen: 82.221 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: BF112471.D  
Acq: 8 Feb 2019 20:30

Tgt Ion:112 Resp: 603194  
Ion Ratio Lower Upper  
112 100  
64 54.4 45.7 68.5  
63 29.4 23.6 35.4



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: 97.121 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112471.D

Acq: 8 Feb 2019 20:30

Instrument :

BNA\_F

ClientSampleId :

CONCRETE

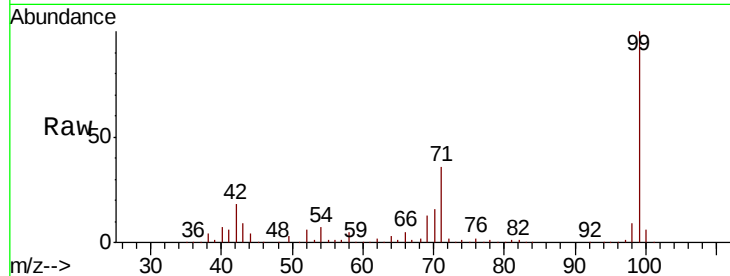
Tot Ion: 99 Resp: 990058

Ion Ratio Lower Upper

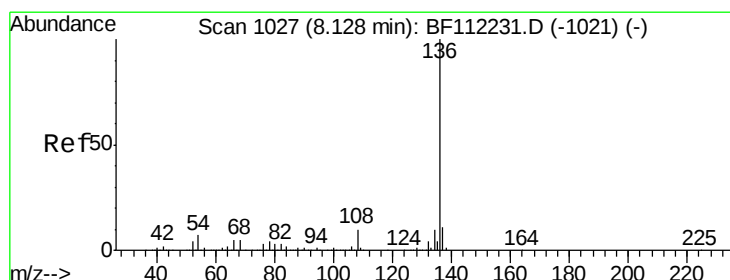
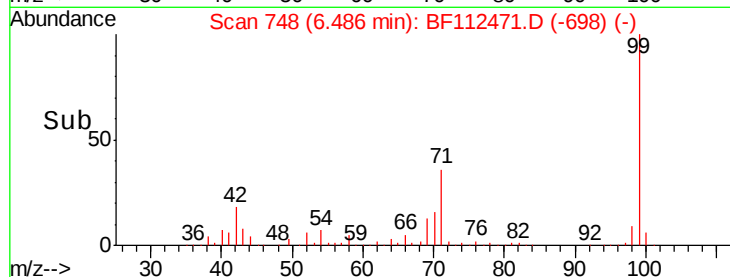
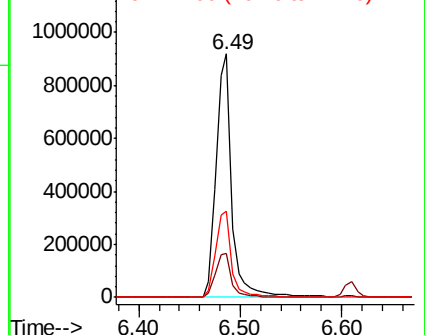
99 100

42 17.8 15.1 22.7

71 35.6 26.9 40.3



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112471.D

Acq: 8 Feb 2019 20:30

Tgt Ion: 136 Resp: 599568

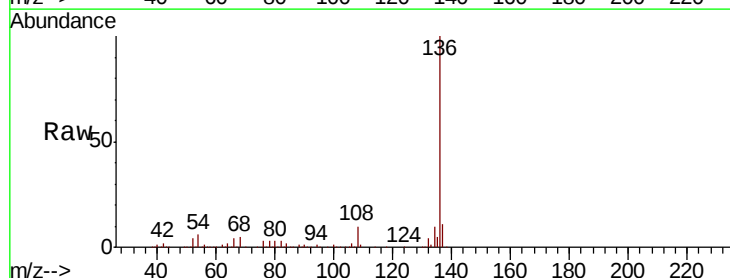
Ion Ratio Lower Upper

136 100

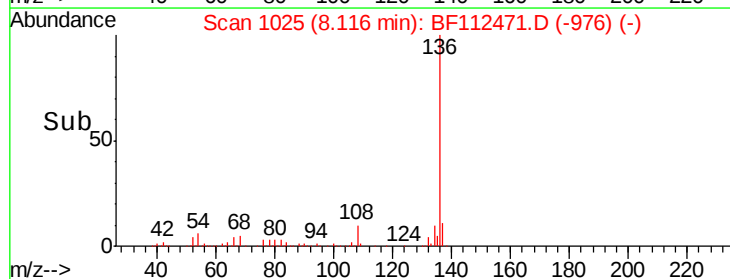
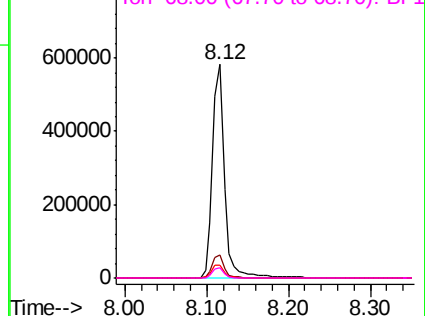
137 10.7 9.1 13.7

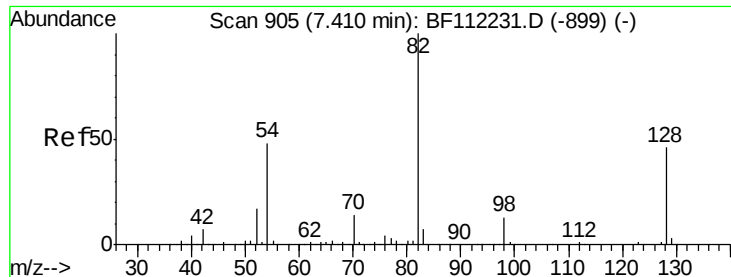
54 6.0 5.9 8.9

68 4.6 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

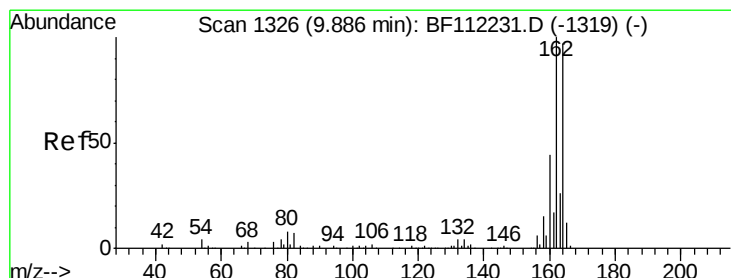
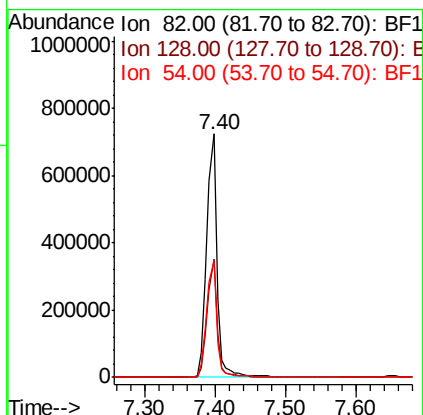
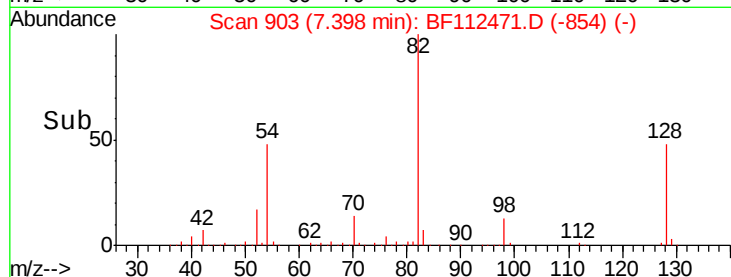
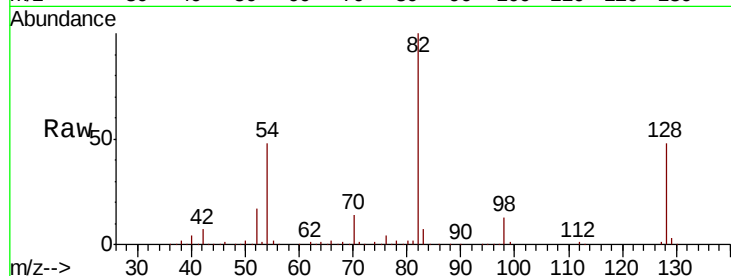




#23  
Nitrobenzene-d5  
Concen: 71.260 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: BF112471.D  
Acq: 8 Feb 2019 20:30

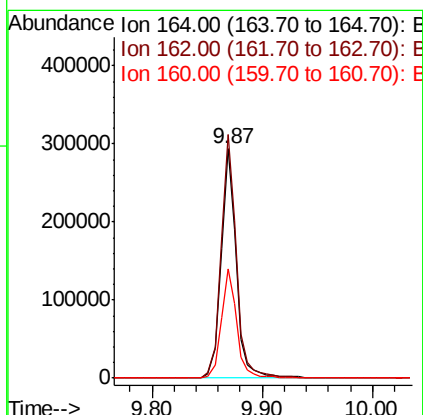
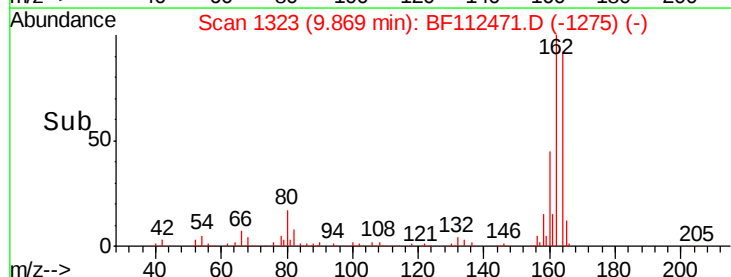
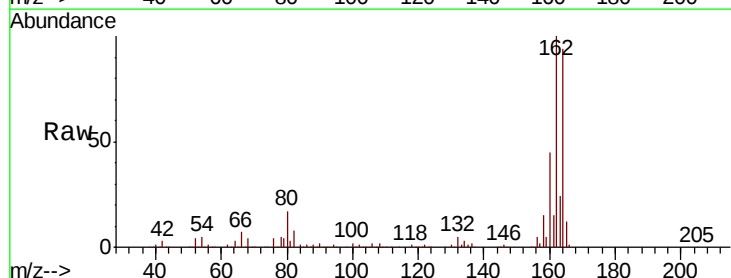
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE

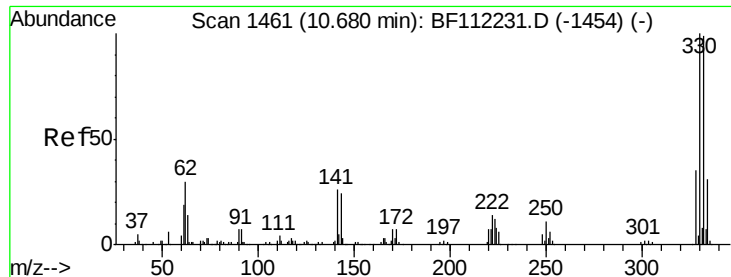
Tot Ion: 82 Resp: 741501  
Ion Ratio Lower Upper  
82 100  
128 48.3 37.8 56.8  
54 47.8 39.7 59.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BF112471.D  
Acq: 8 Feb 2019 20:30

Tgt Ion:164 Resp: 282705  
Ion Ratio Lower Upper  
164 100  
162 106.2 82.2 123.4  
160 47.7 36.2 54.4

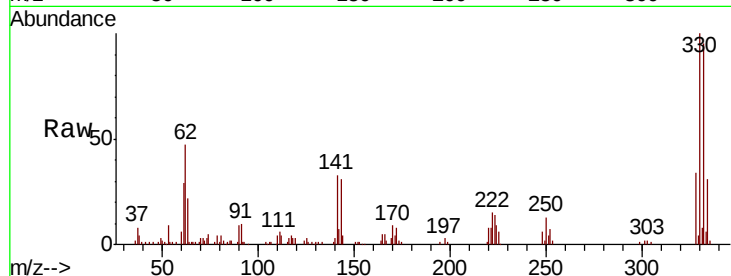




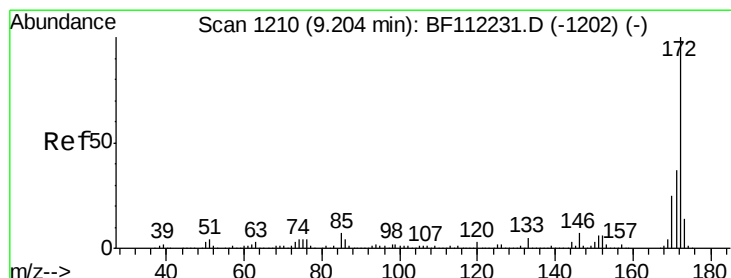
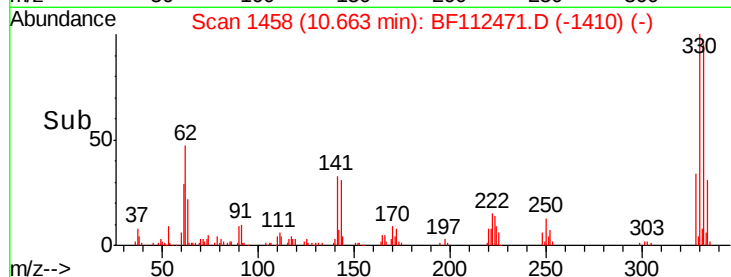
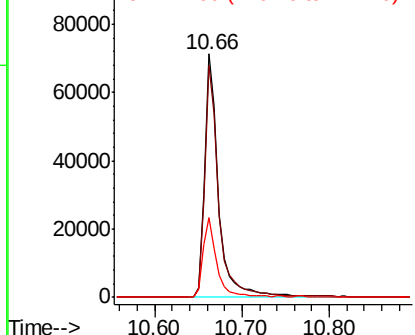
#42  
2,4,6-Tribromophenol  
Concen: 24.170 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.02 min  
Lab File: BF112471.D  
Acq: 8 Feb 2019 20:30

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE

Tot Ion:330 Resp: 79533  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.6 114.8  
141 32.2 24.3 36.5

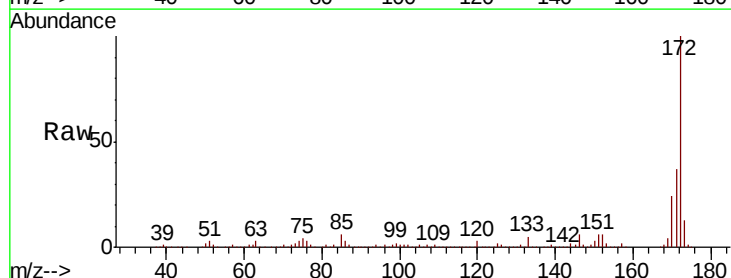


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

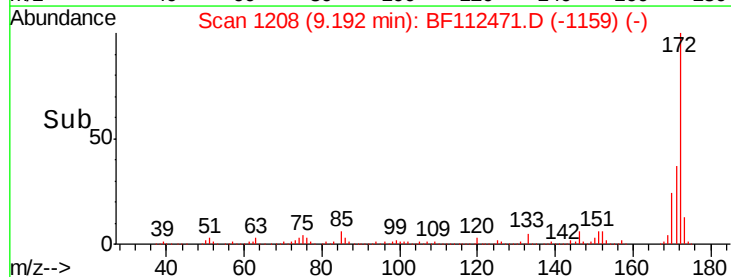
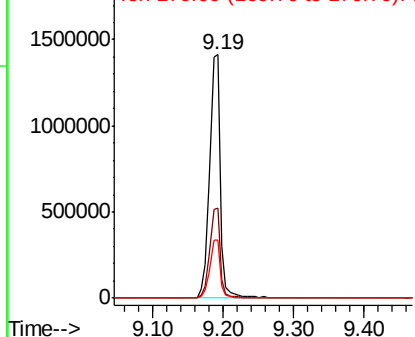


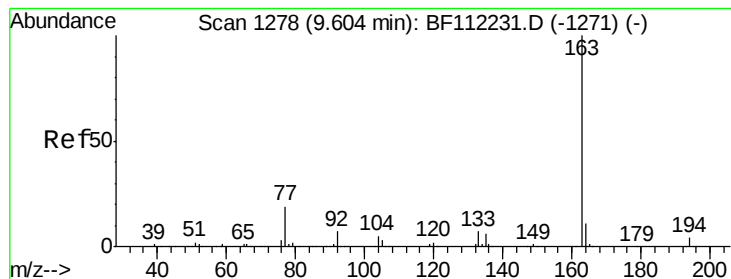
#45  
2-Fluorobiphenyl  
Concen: 75.316 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.01 min  
Lab File: BF112471.D  
Acq: 8 Feb 2019 20:30

Tgt Ion:172 Resp: 1505448  
Ion Ratio Lower Upper  
172 100  
171 37.0 30.5 45.7  
170 23.9 20.2 30.4



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: 4.860 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112471.D

Acq: 8 Feb 2019 20:30

Instrument :

BNA\_F

ClientSampleId :

CONCRETE

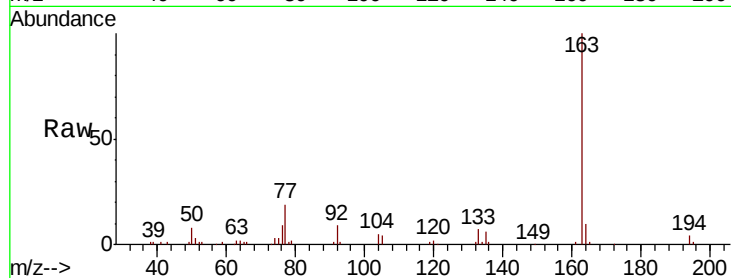
Tot Ion:163 Resp: 106742

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

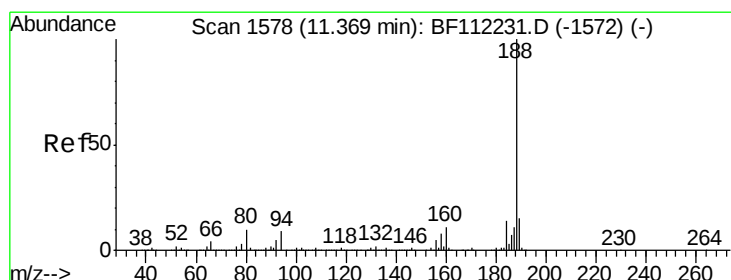
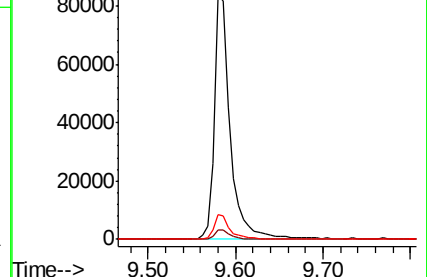
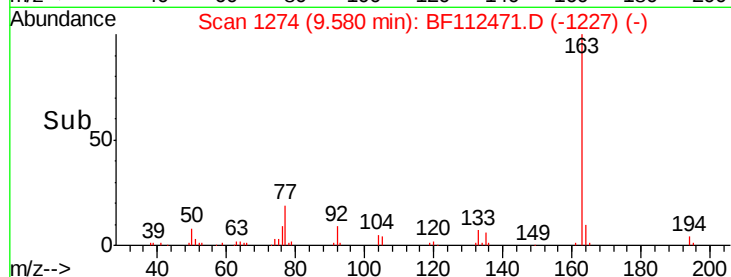
164 10.0 8.5 12.7



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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112471.D

Acq: 8 Feb 2019 20:30

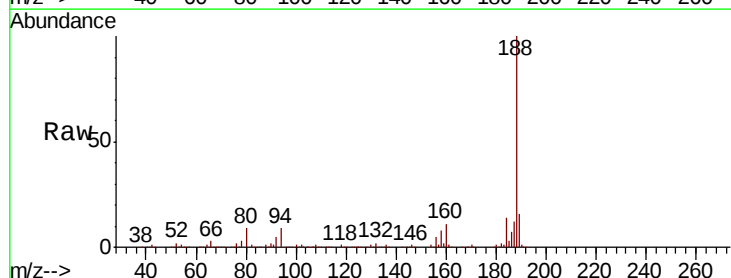
Tgt Ion:188 Resp: 489873

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.2

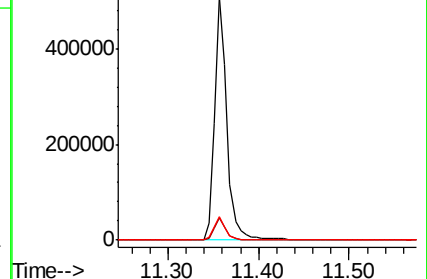
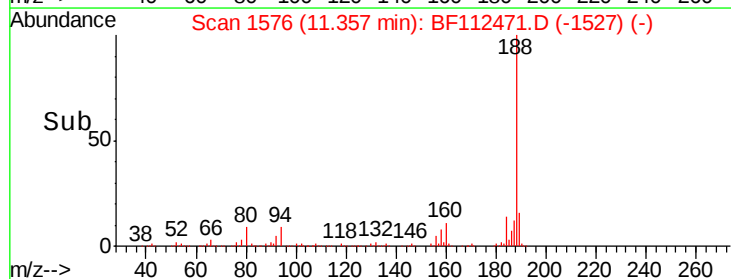
80 9.5 8.9 13.3

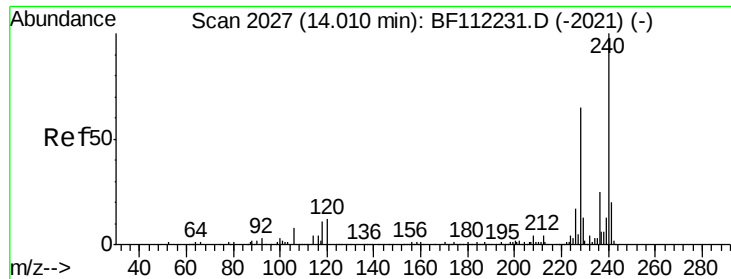


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

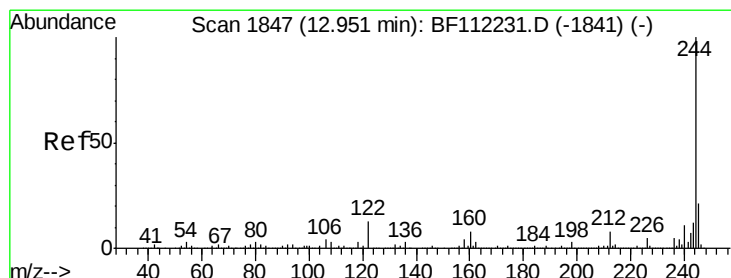
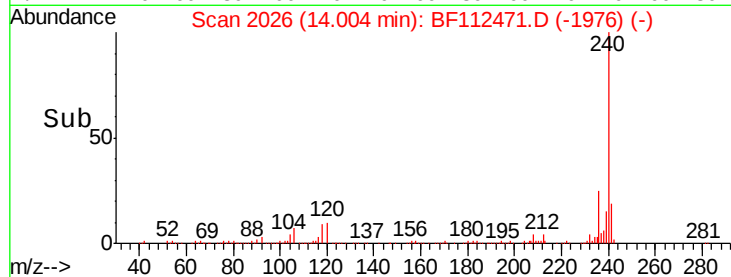
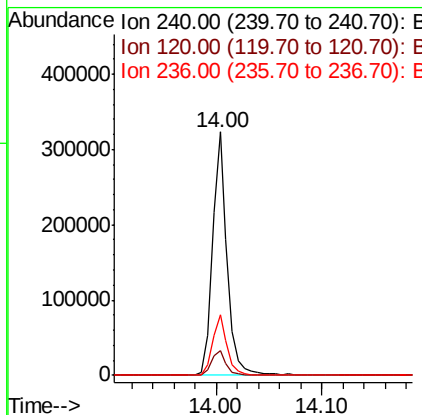
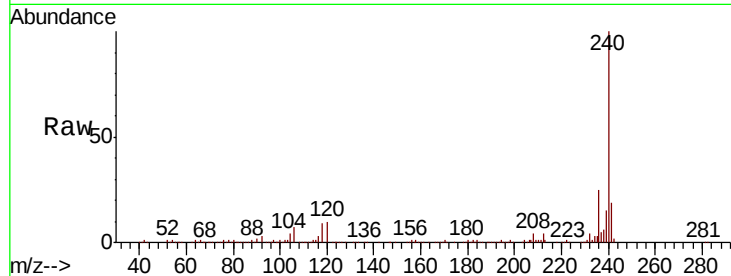




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BF112471.D  
 Acq: 8 Feb 2019 20:30

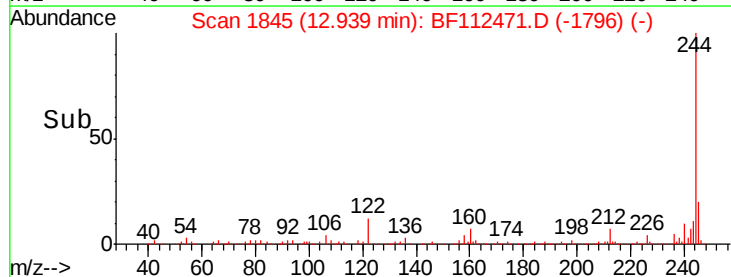
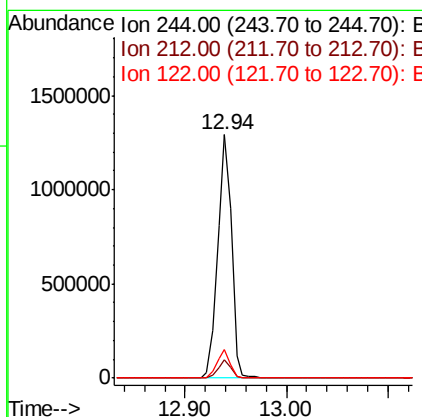
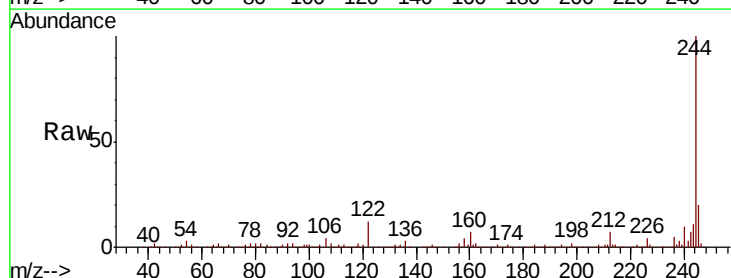
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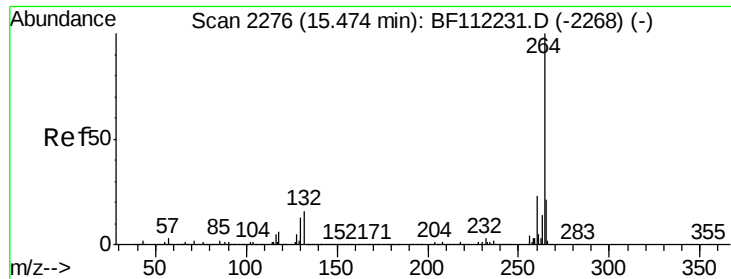
Tot Ion:240 Resp: 312741  
 Ion Ratio Lower Upper  
 240 100  
 120 10.3 9.0 13.6  
 236 24.8 20.7 31.1



#79  
 Terphenyl-d14  
 Concen: 73.552 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. -0.01 min  
 Lab File: BF112471.D  
 Acq: 8 Feb 2019 20:30

Tgt Ion:244 Resp: 1221318  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.9 8.9  
 122 12.0 9.8 14.6





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.47 min Scan# 2276  
Delta R.T. 0.00 min  
Lab File: BF112471.D  
Acq: 8 Feb 2019 20:30

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE

Tot Ion:264 Resp: 314403  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.2  | 27.2  |
| 265 | 22.0  | 17.0  | 25.4  |

