

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\  
 Data File : BF120045.D  
 Acq On : 16 Apr 2020 19:20  
 Operator : MA/SJ  
 Sample : L2230-49 5X  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-4-9-2020

Quant Time: Apr 17 04:31:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 16 10:48:04 2020  
 Response via : Initial Calibration

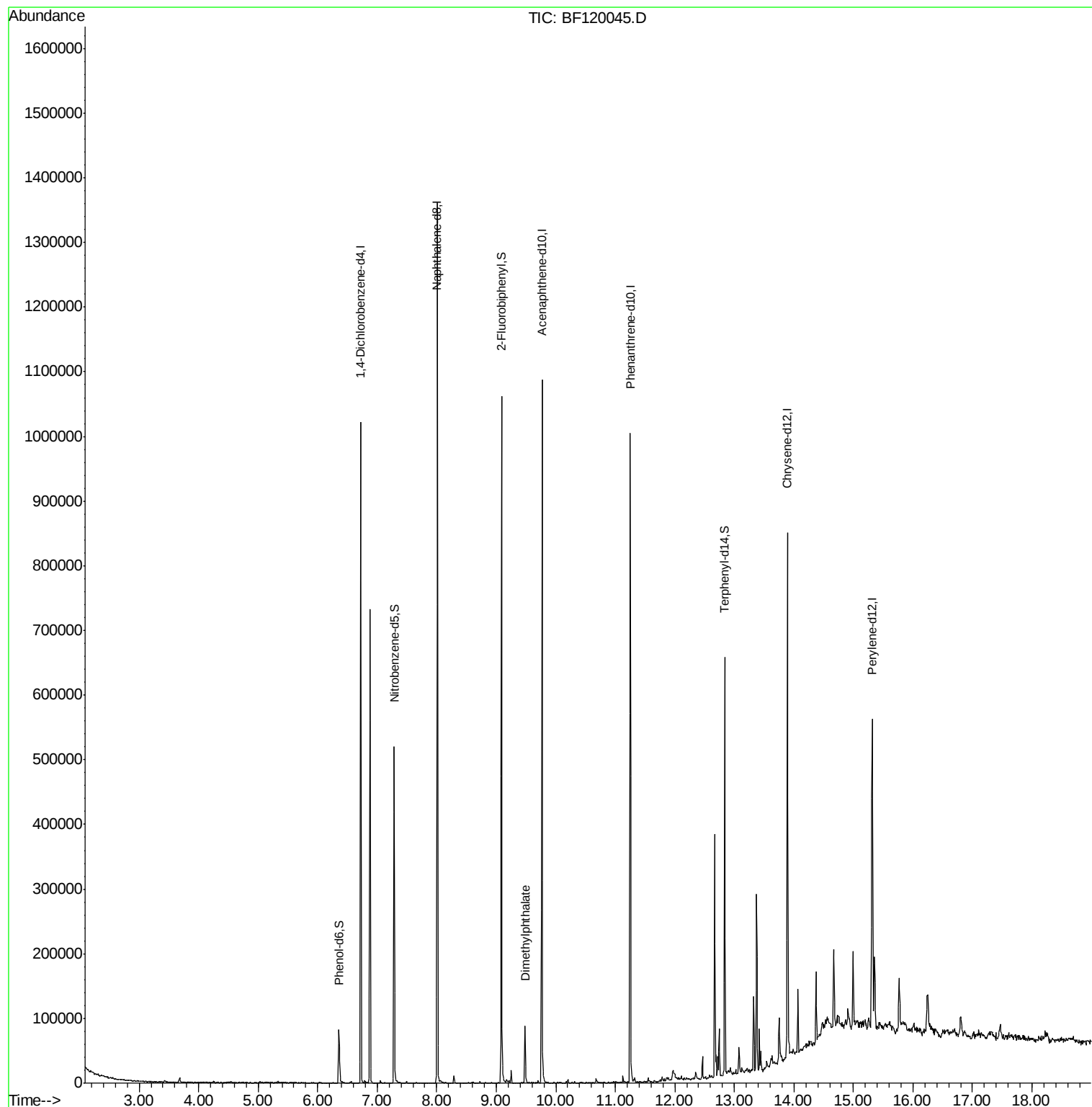
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 141488   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.01  | 136  | 513453   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.77  | 164  | 224486   | 20.00 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.25 | 188  | 338301   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 13.89 | 240  | 261100   | 20.00 | ng    | 0.00      |
| 87) Perylene-d12            | 15.32 | 264  | 206439   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.33  | 112  | 960      | 0.12  | ng    | 0.01      |
| 7) Phenol-d6                | 6.36  | 99   | 29032    | 2.75  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 143295   | 14.44 | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00  | ng    |           |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 296045   | 18.72 | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.84 | 244  | 219916   | 14.17 | ng    | -0.01     |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 9.49  | 163  | 41387    | 2.384 | ng    | Qvalue 98 |

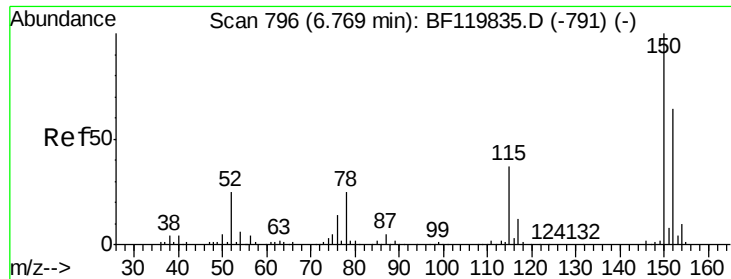
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



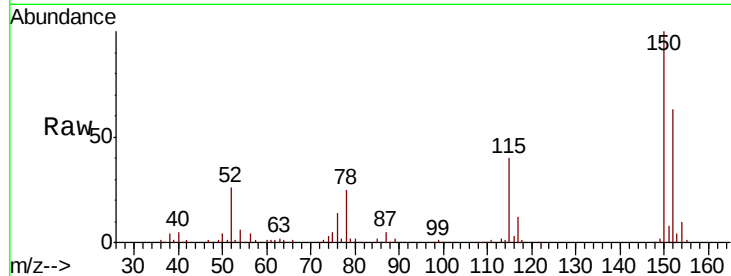


#1

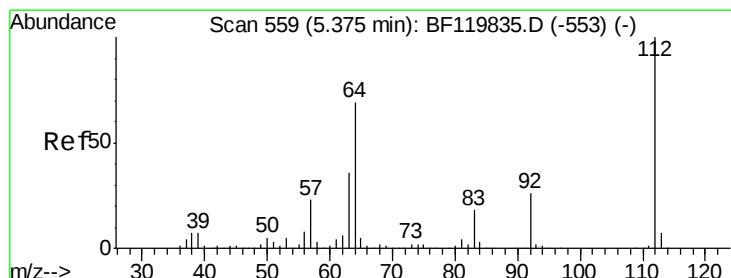
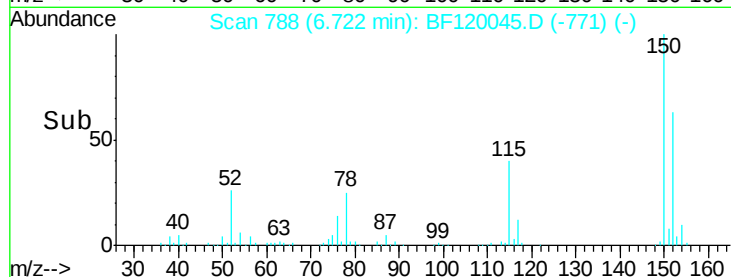
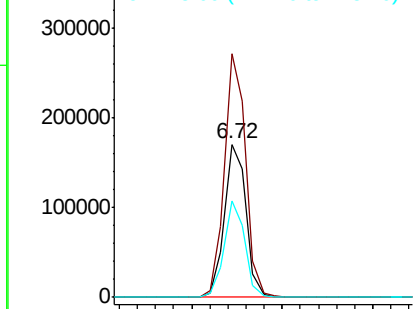
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF120045.D  
Acq: 16 Apr 2020 19:20

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-4-9-2020

Tot Ion:152 Resp: 141488  
Ion Ratio Lower Upper  
152 100  
150 159.3 124.8 187.2  
115 63.1 46.5 69.7



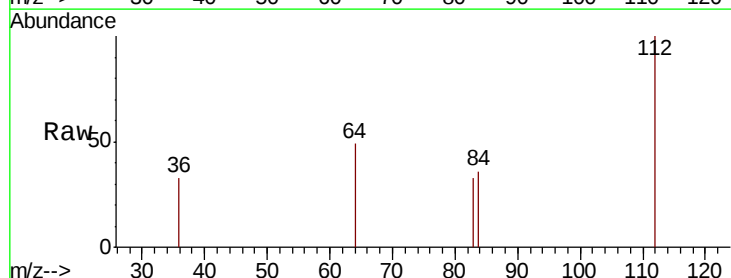
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



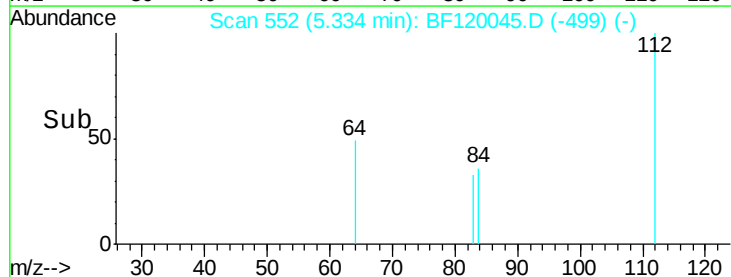
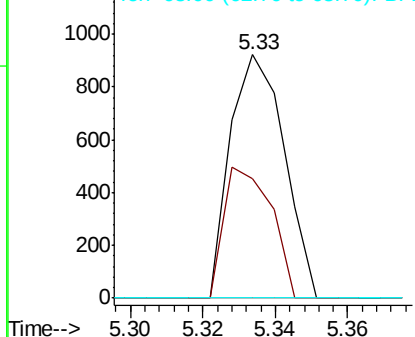
#5

2-Fluorophenol  
Concen: 0.117 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF120045.D  
Acq: 16 Apr 2020 19:20

Tgt Ion:112 Resp: 960  
Ion Ratio Lower Upper  
112 100  
64 49.0 55.5 83.3#  
63 0.0 29.1 43.7#



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: 2.752 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120045.D

Acq: 16 Apr 2020 19:20

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-4-9-2020

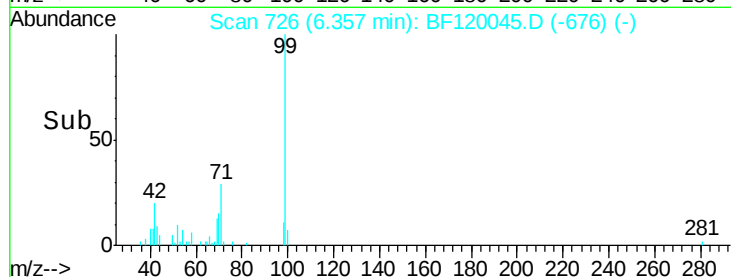
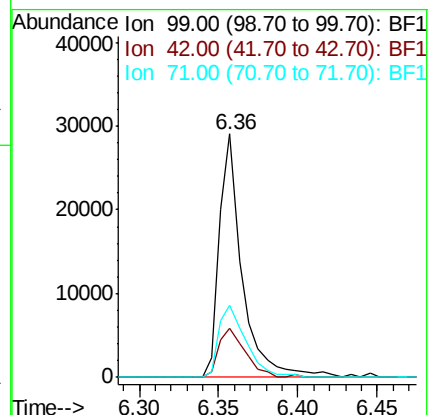
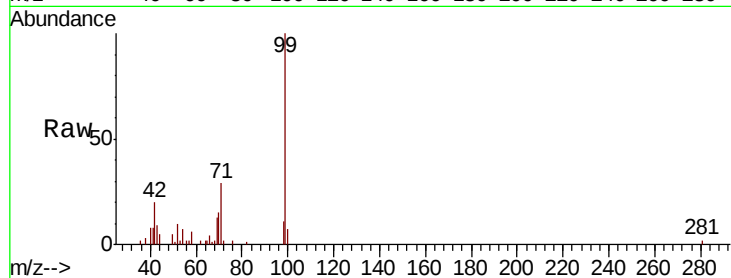
Tot Ion: 99 Resp: 29032

Ion Ratio Lower Upper

99 100

42 20.1 16.9 25.3

71 29.4 26.3 39.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF120045.D

Acq: 16 Apr 2020 19:20

Tgt Ion: 136 Resp: 513453

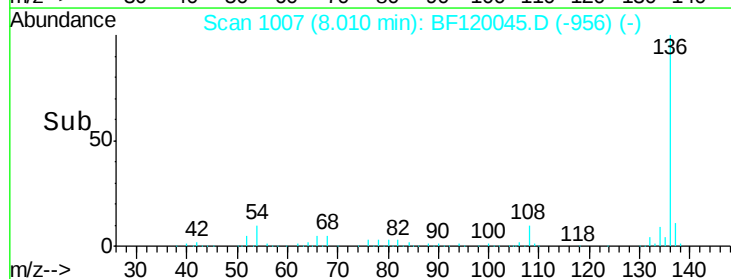
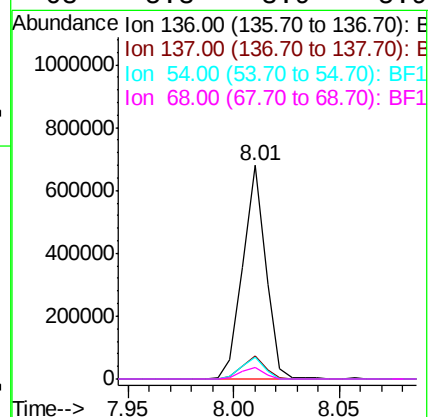
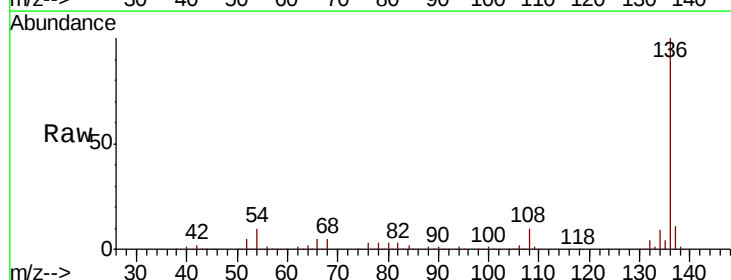
Ion Ratio Lower Upper

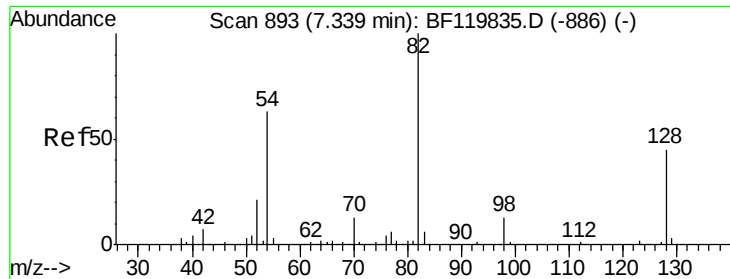
136 100

137 10.9 8.7 13.1

54 10.2 8.5 12.7

68 5.3 3.9 5.9

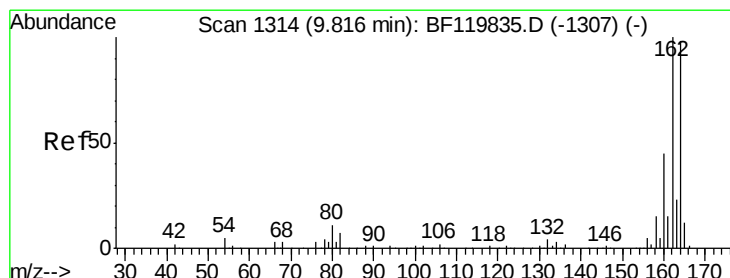
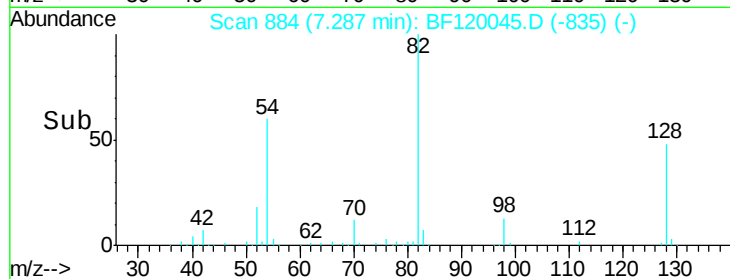
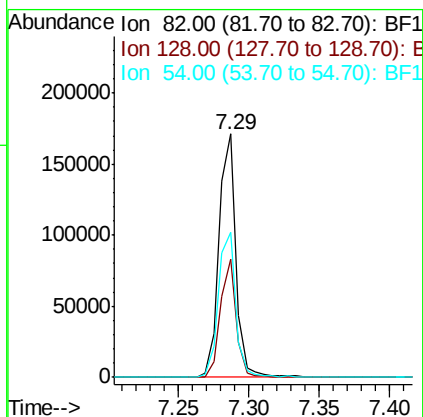
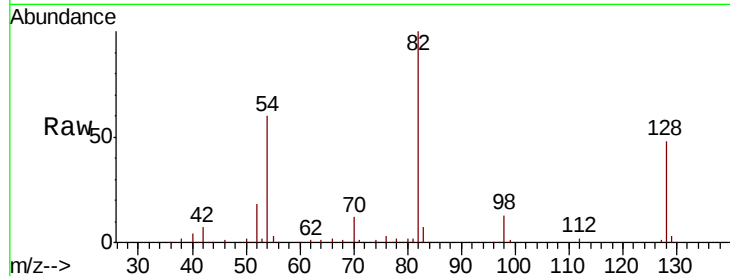




#23  
 Nitrobenzene-d5  
 Concen: 14.438 ng  
 RT: 7.29 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BF120045.D  
 Acq: 16 Apr 2020 19:20

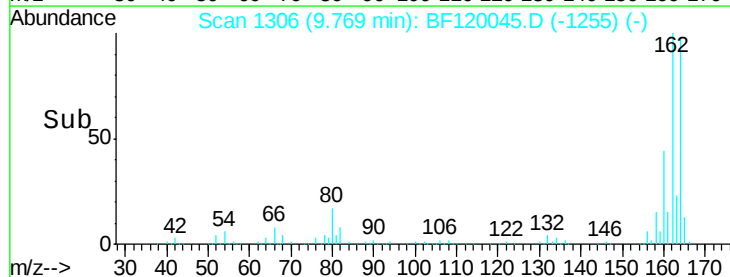
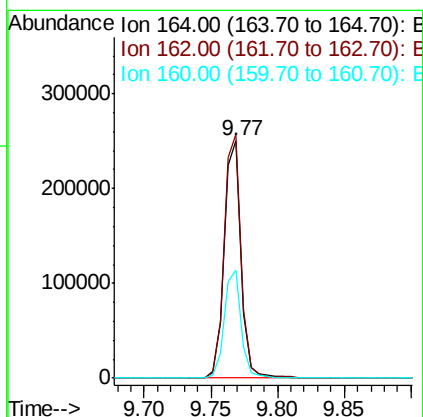
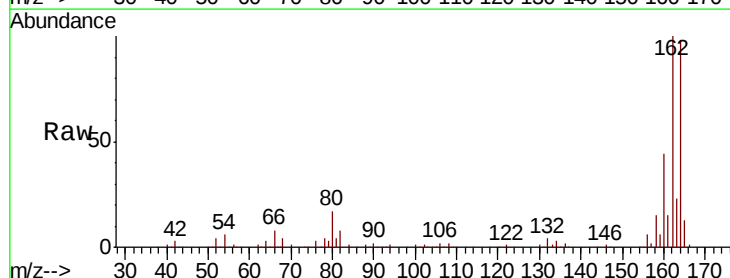
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-4-9-2020

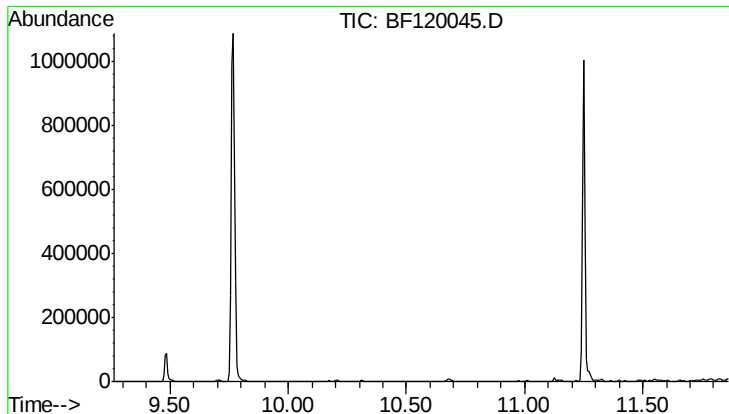
Tot Ion: 82 Resp: 143295  
 Ion Ratio Lower Upper  
 82 100  
 128 48.3 36.2 54.4  
 54 59.5 50.4 75.6



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: BF120045.D  
 Acq: 16 Apr 2020 19:20

Tgt Ion:164 Resp: 224486  
 Ion Ratio Lower Upper  
 164 100  
 162 102.5 81.9 122.9  
 160 45.2 36.6 54.8

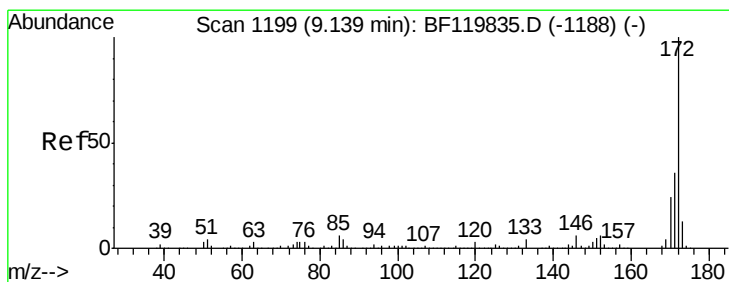
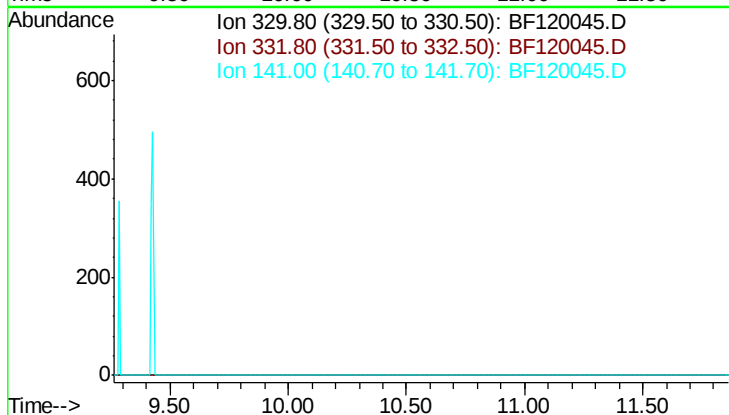




#42  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 10.56 min  
 Lab File: BF120045.D  
 Acq: 16 Apr 2020 19:20

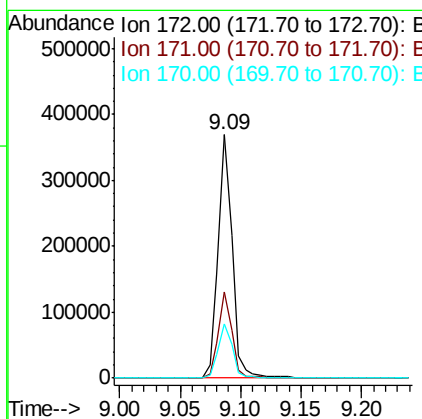
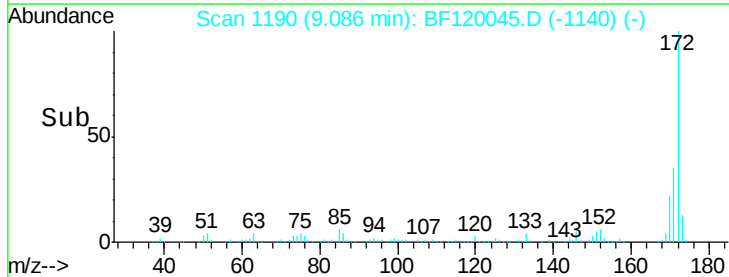
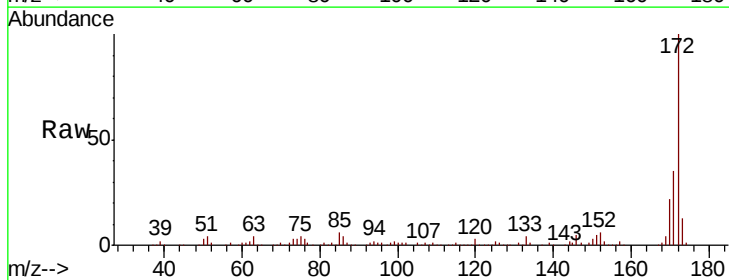
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-4-9-2020

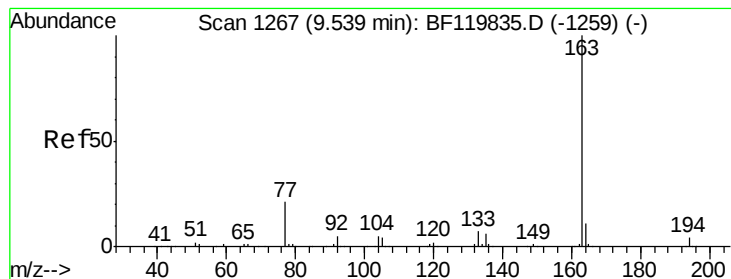
Tot Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.0  
 141 31.4



#45  
 2-Fluorobiphenyl  
 Concen: 18.724 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF120045.D  
 Acq: 16 Apr 2020 19:20

Tgt Ion: 172 Resp: 296045  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.9 43.3  
 170 22.4 19.4 29.2





#50

Dimethylphthalate

Concen: 2.384 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BF120045.D

Acq: 16 Apr 2020 19:20

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-4-9-2020

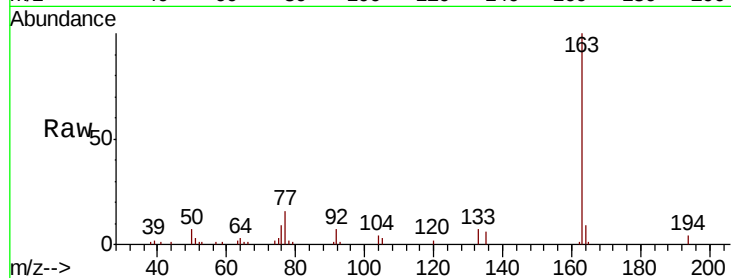
Tot Ion:163 Resp: 41387

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

164 9.4 8.4 12.6



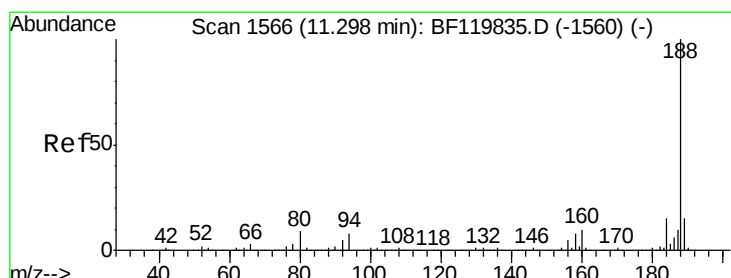
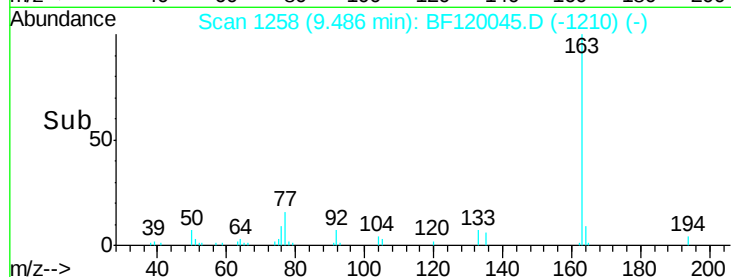
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.49

Time--> 9.40 9.45 9.50 9.55 9.60



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF120045.D

Acq: 16 Apr 2020 19:20

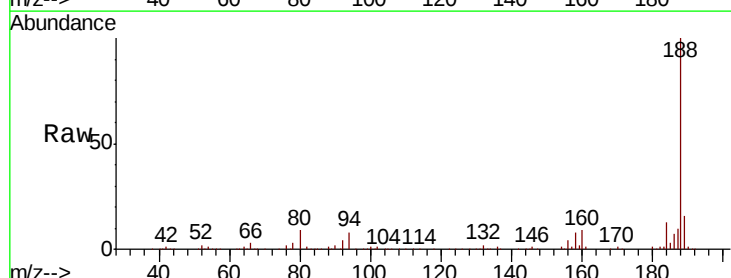
Tgt Ion:188 Resp: 338301

Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 8.8 7.4 11.2



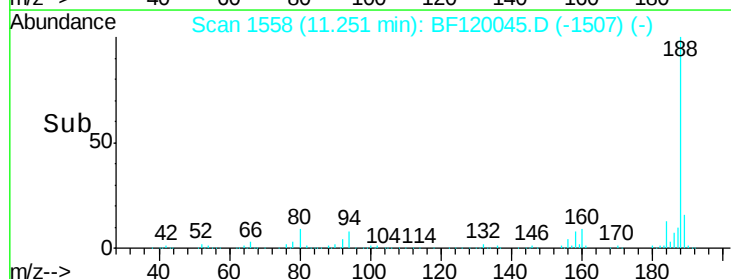
Abundance Ion 188.00 (187.70 to 188.70): E

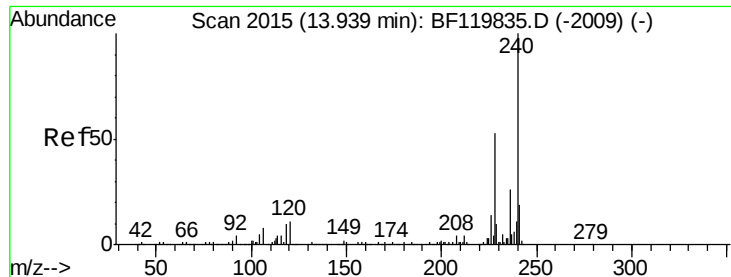
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.25

Time--> 11.20 11.25 11.30





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120045.D

Acq: 16 Apr 2020 19:20

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-4-9-2020

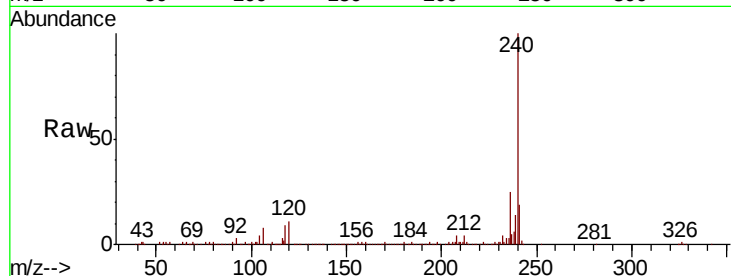
Tot Ion:240 Resp: 261100

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.6

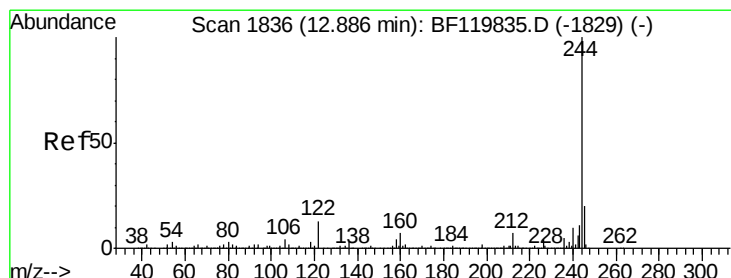
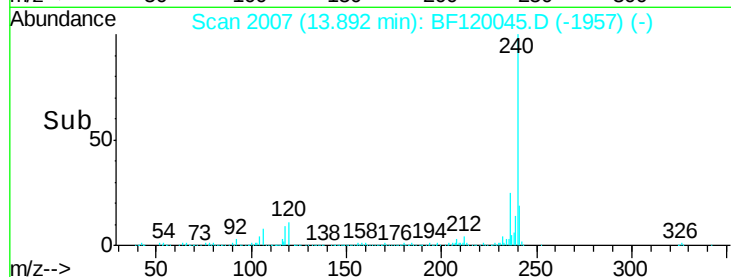
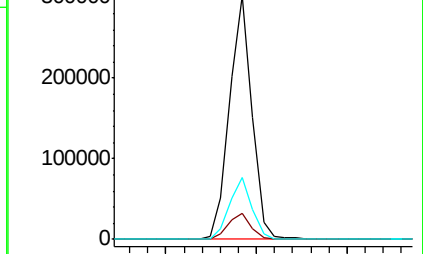
236 25.4 20.7 31.1



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: 14.172 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120045.D

Acq: 16 Apr 2020 19:20

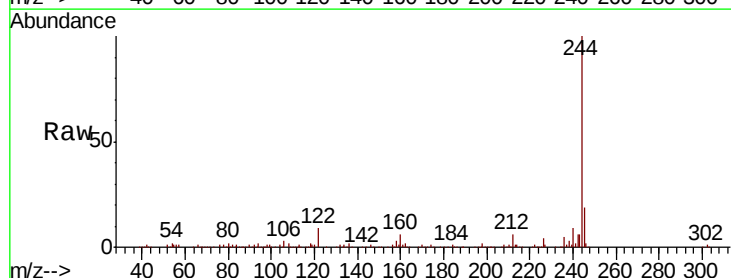
Tgt Ion:244 Resp: 219916

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

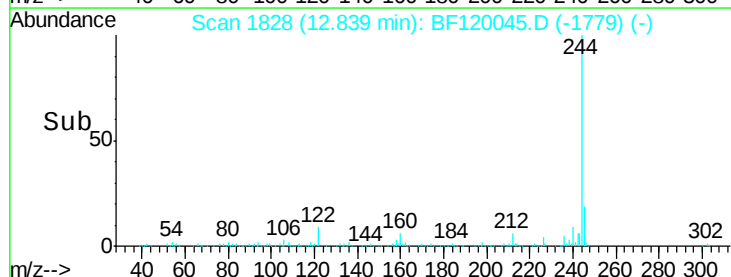
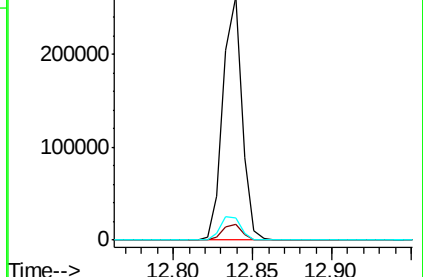
122 9.2 10.3 15.5#

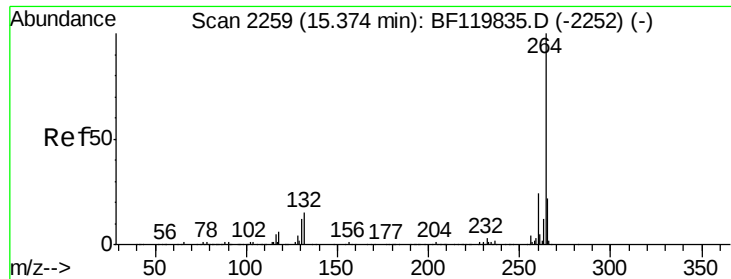


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.32 min Scan# 2249  
Delta R.T. -0.01 min  
Lab File: BF120045.D  
Acq: 16 Apr 2020 19:20

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-4-9-2020

Tot Ion: 264 Resp: 206439  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.3  | 28.9  |
| 265 | 23.1  | 17.6  | 26.4  |

