

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\  
 Data File : BF115736.D  
 Acq On : 23 Jul 2019 23:02  
 Operator : HP/JU  
 Sample : K3938-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE

Quant Time: Jul 24 08:14:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

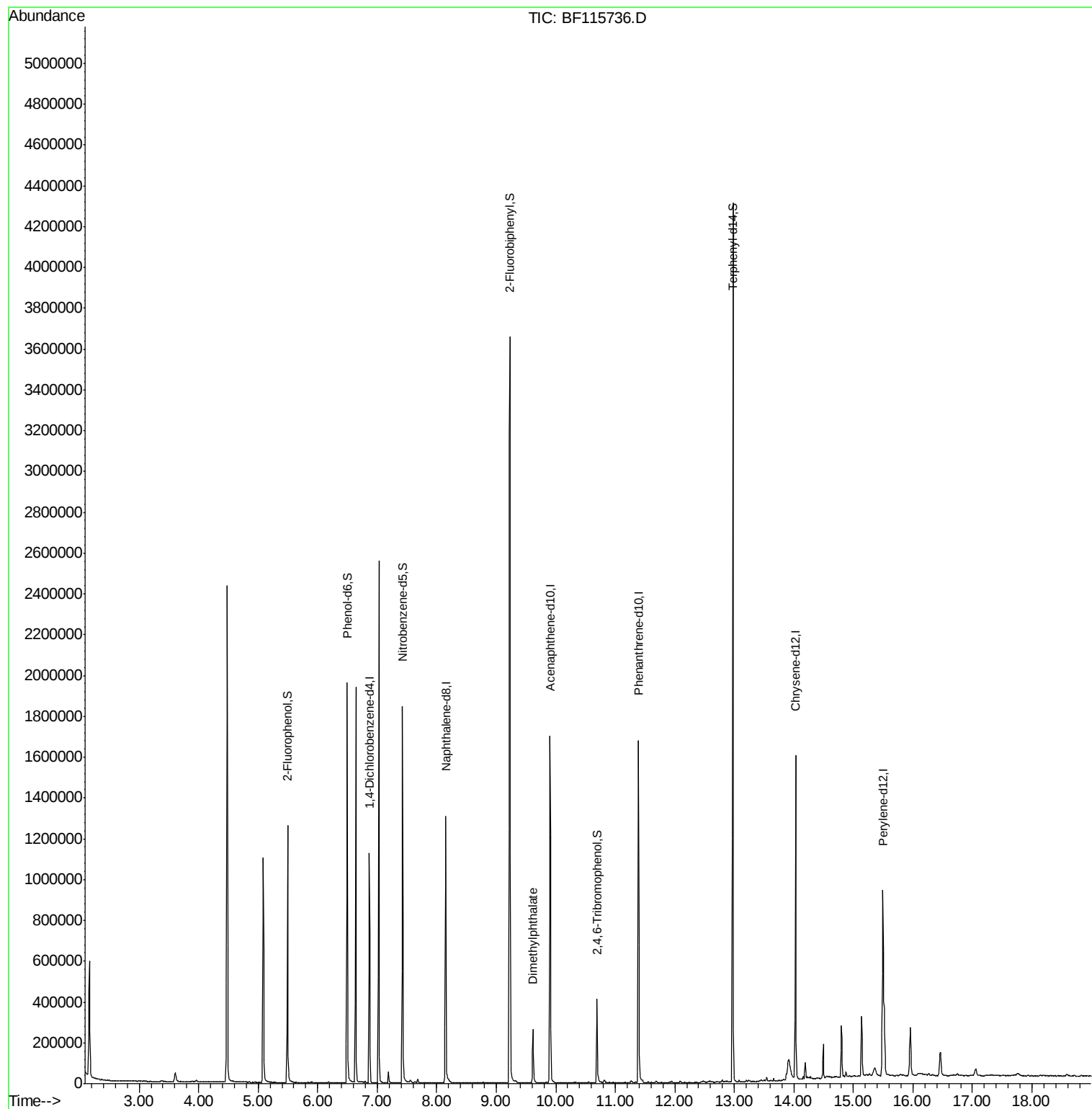
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 154979   | 20.00 | ng    | -0.02     |
| 21) Naphthalene-d8          | 8.15  | 136  | 623752   | 20.00 | ng    | -0.02     |
| 39) Acenaphthene-d10        | 9.90  | 164  | 348750   | 20.00 | ng    | -0.02     |
| 64) Phenanthrene-d10        | 11.39 | 188  | 654727   | 20.00 | ng    | -0.02     |
| 76) Chrysene-d12            | 14.03 | 240  | 506547   | 20.00 | ng    | -0.02     |
| 87) Perylene-d12            | 15.50 | 264  | 461931   | 20.00 | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.49  | 112  | 345436   | 36.46 | ng    | -0.01     |
| 7) Phenol-d6                | 6.50  | 99   | 745574   | 62.02 | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 608779   | 56.75 | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330  | 57827    | 14.21 | ng    | -0.02     |
| 45) 2-Fluorobiphenyl        | 9.23  | 172  | 1207715  | 60.61 | ng    | -0.02     |
| 79) Terphenyl-d14           | 12.97 | 244  | 1518738  | 55.32 | ng    | -0.02     |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 9.62  | 163  | 126172   | 4.809 | ng    | Qvalue 98 |

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

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Quant Time: Jul 24 08:14:21 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 14:03:52 2019  
Response via : Initial Calibration



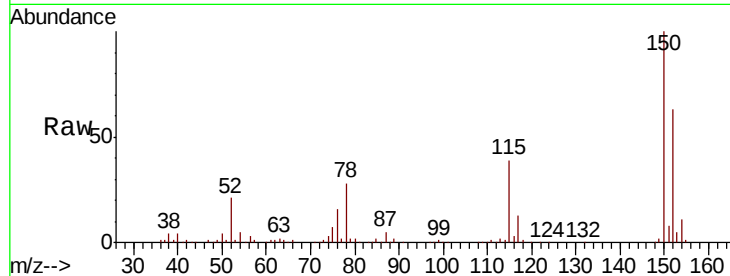


#1

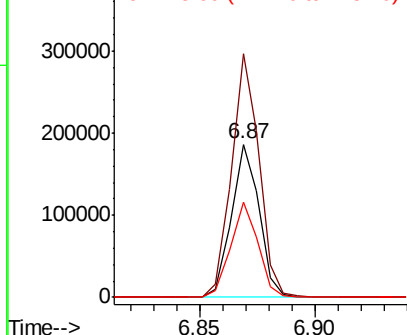
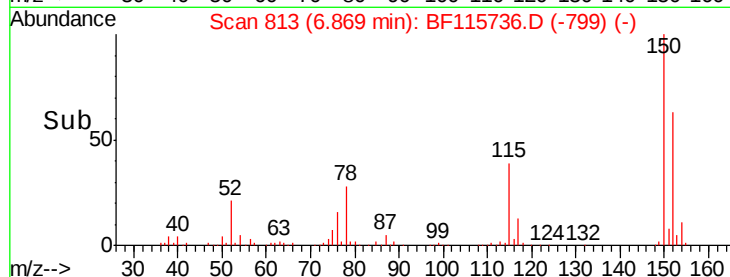
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.02 min  
Lab File: BF115736.D  
Acq: 23 Jul 2019 23:02

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE

Tot Ion:152 Resp: 154979  
Ion Ratio Lower Upper  
152 100  
150 159.0 129.7 194.5  
115 62.3 48.2 72.4



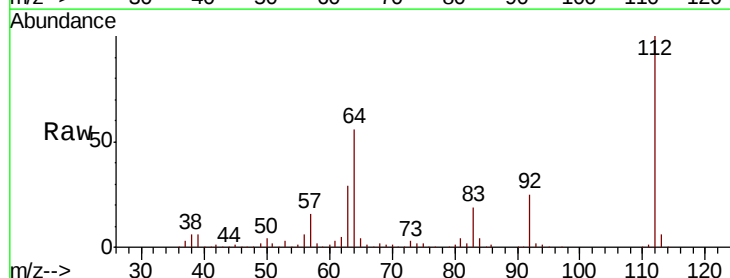
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



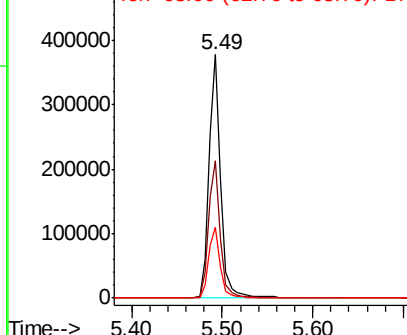
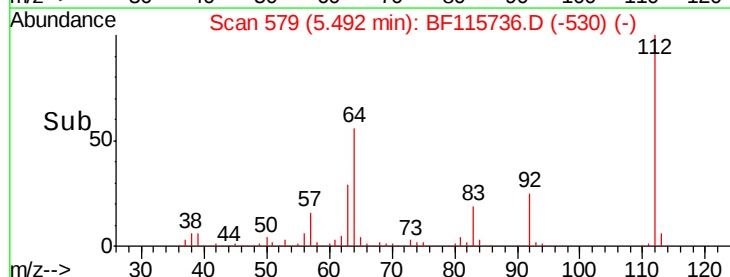
#5

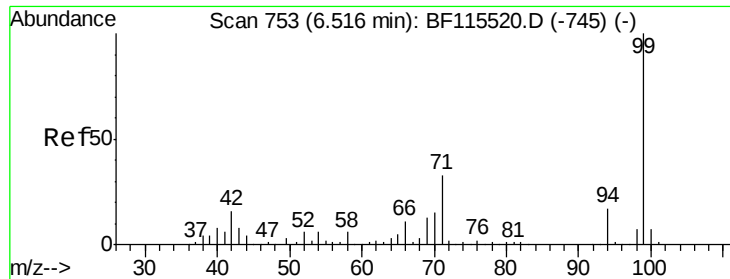
2-Fluorophenol  
Concen: 36.459 ng  
RT: 5.49 min Scan# 579  
Delta R.T. -0.01 min  
Lab File: BF115736.D  
Acq: 23 Jul 2019 23:02

Tgt Ion:112 Resp: 345436  
Ion Ratio Lower Upper  
112 100  
64 56.5 46.8 70.2  
63 29.0 24.1 36.1



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: 62.016 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA\_F

ClientSampled :

CONCRETE

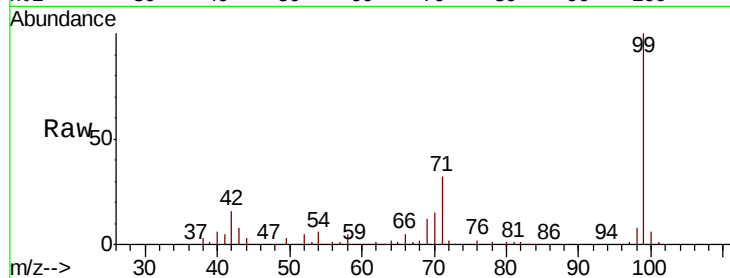
Tot Ion: 99 Resp: 745574

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

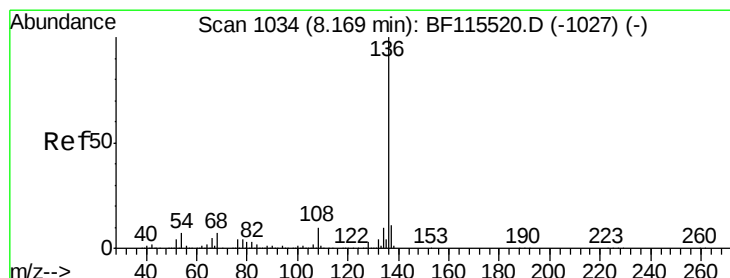
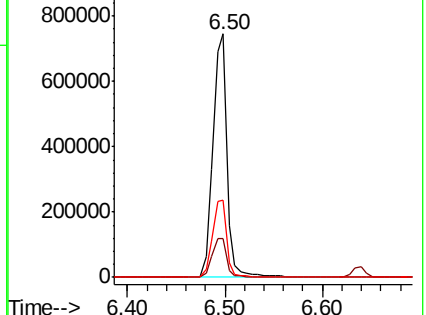
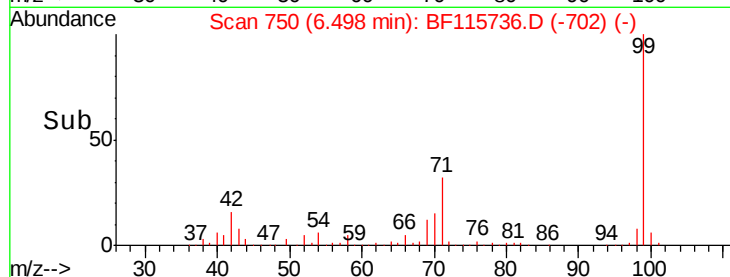
71 31.9 28.5 42.7



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: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Tgt Ion: 136 Resp: 623752

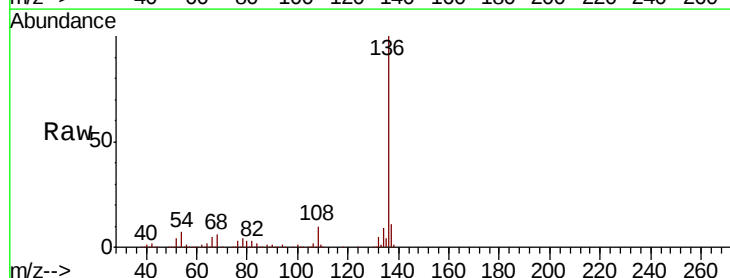
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.6 5.6 8.4

68 5.9 5.0 7.6

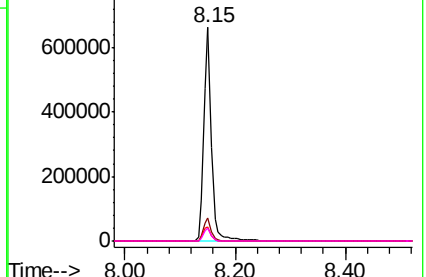
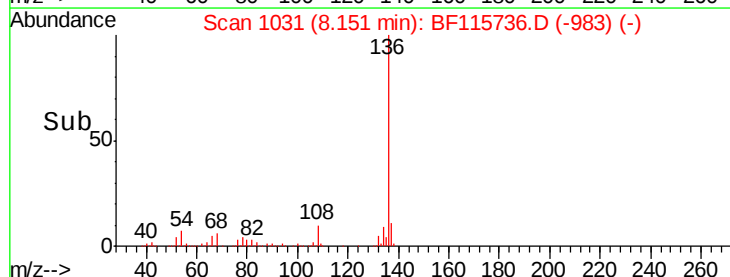


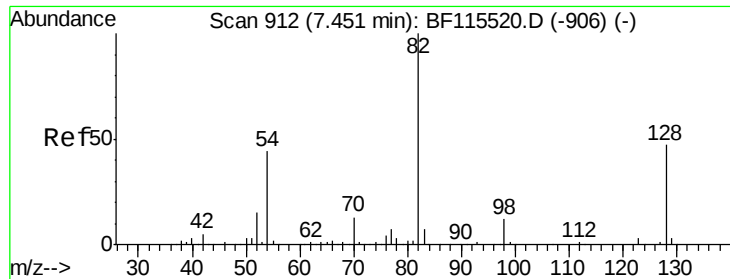
Abundance Ion 136.00 (135.70 to 136.70): E

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

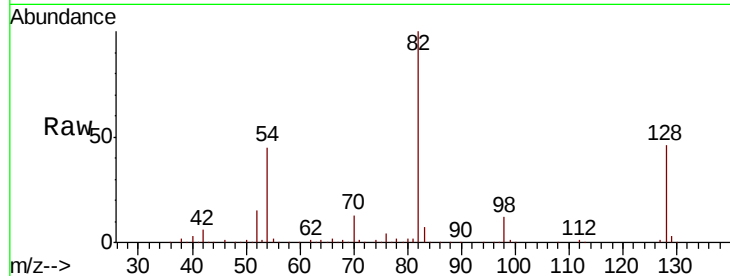




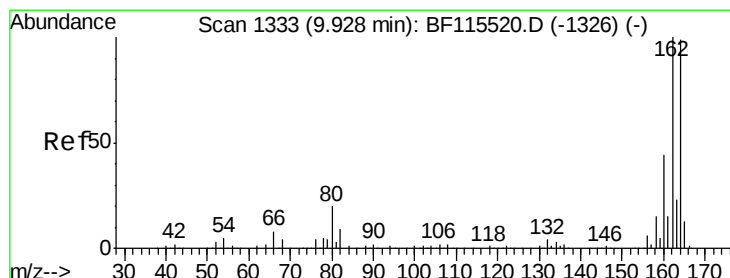
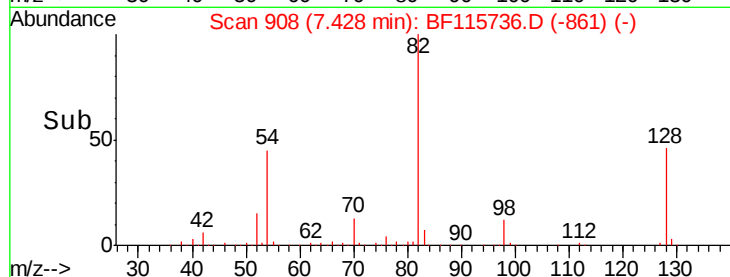
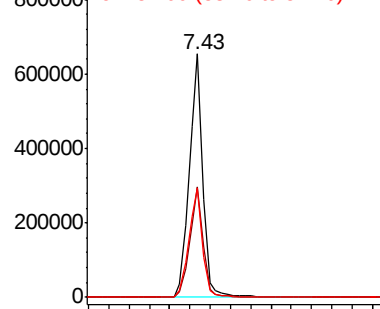
#23  
 Nitrobenzene-d5  
 Concen: 56.751 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.02 min  
 Lab File: BF115736.D  
 Acq: 23 Jul 2019 23:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE

Tot Ion: 82 Resp: 608779  
 Ion Ratio Lower Upper  
 82 100  
 128 45.6 38.6 57.8  
 54 44.8 35.6 53.4

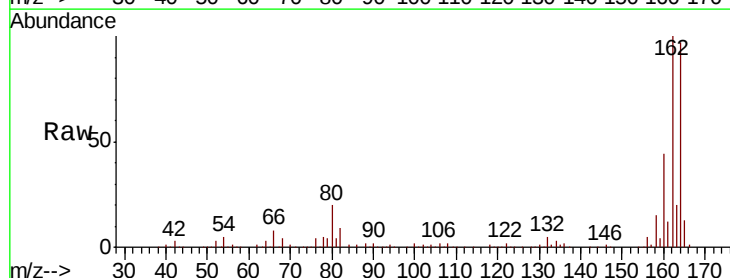


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

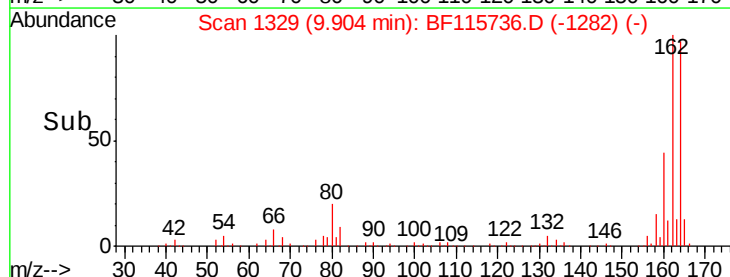
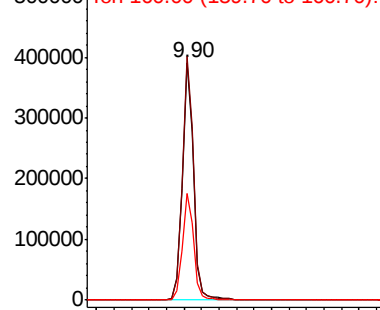


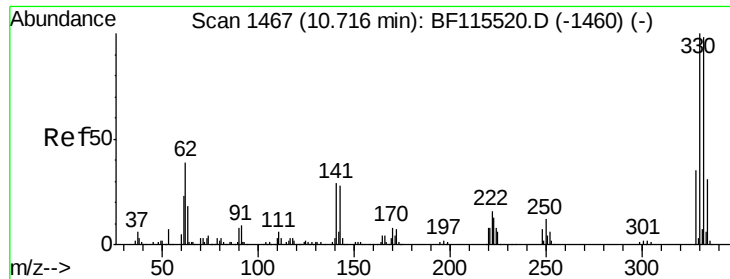
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. -0.02 min  
 Lab File: BF115736.D  
 Acq: 23 Jul 2019 23:02

Tgt Ion:164 Resp: 348750  
 Ion Ratio Lower Upper  
 164 100  
 162 102.6 82.9 124.3  
 160 45.0 36.8 55.2



Abundance Ion 164.00 (163.70 to 164.70): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 14.205 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA\_F

ClientSampleId :

CONCRETE

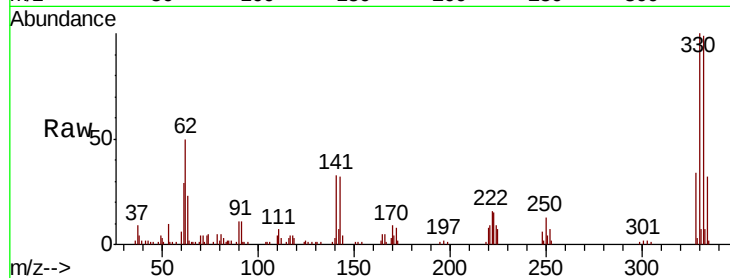
Tot Ion:330 Resp: 57827

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

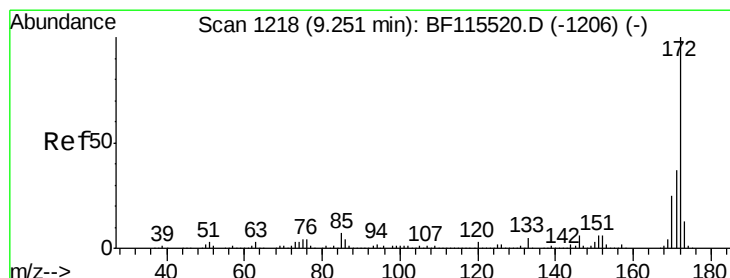
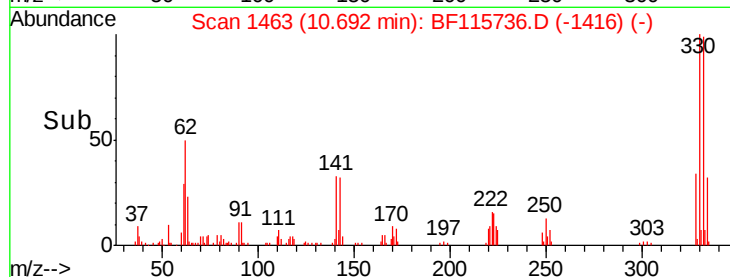
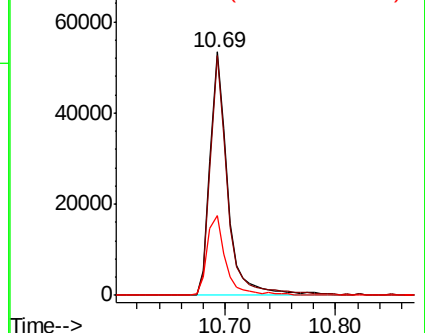
141 33.9 22.4 33.6#



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: 60.612 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

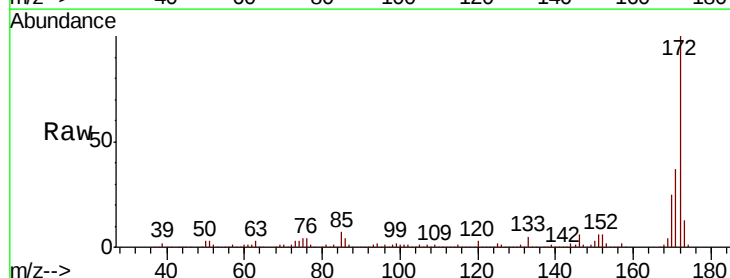
Tgt Ion:172 Resp: 1207715

Ion Ratio Lower Upper

172 100

171 36.5 30.6 46.0

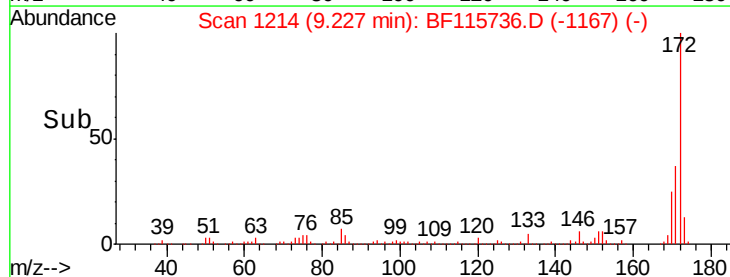
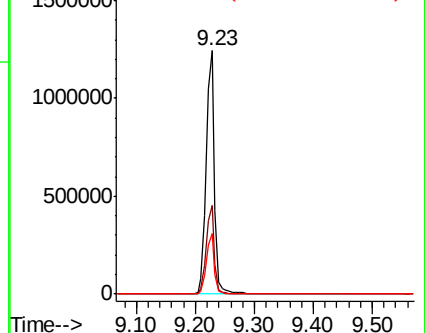
170 25.0 20.5 30.7

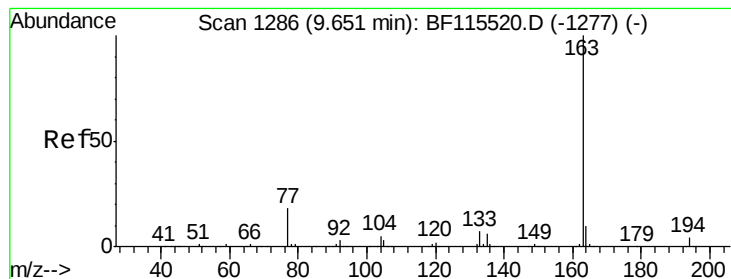


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.809 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA\_F

ClientSampleId :

CONCRETE

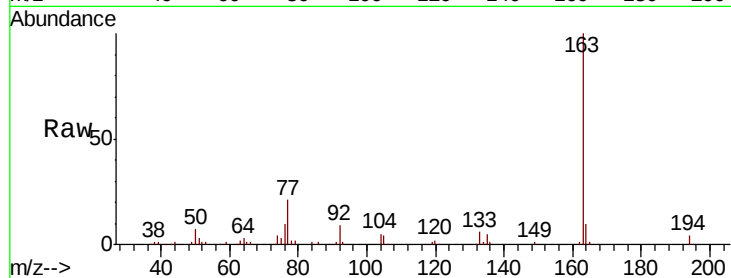
Tot Ion:163 Resp: 126172

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

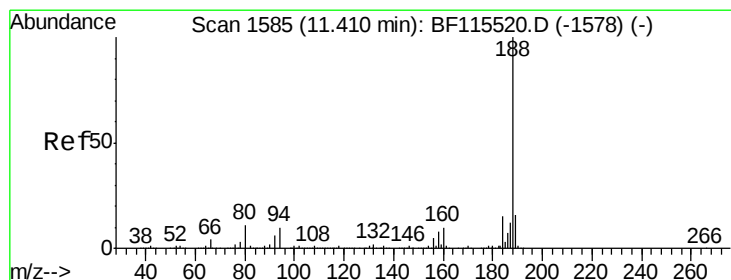
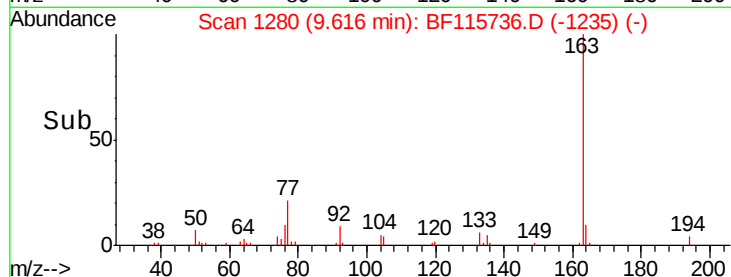
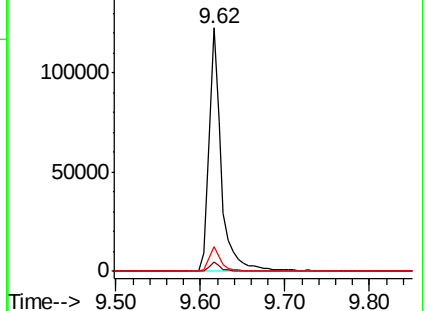
164 9.9 8.7 13.1



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: 11.39 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

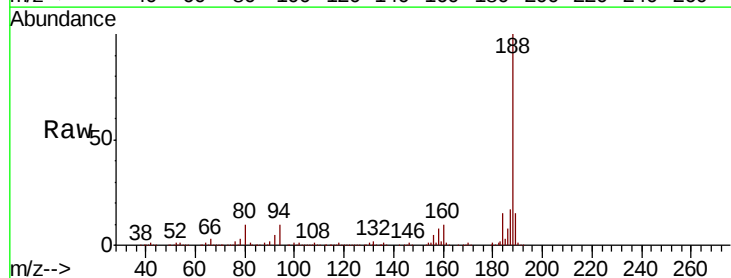
Tgt Ion:188 Resp: 654727

Ion Ratio Lower Upper

188 100

94 9.6 7.8 11.6

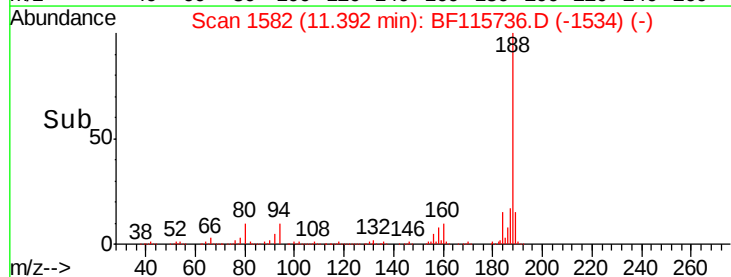
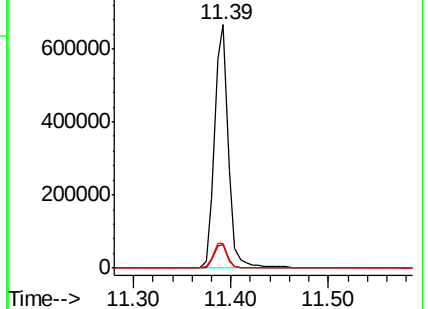
80 10.0 8.6 13.0

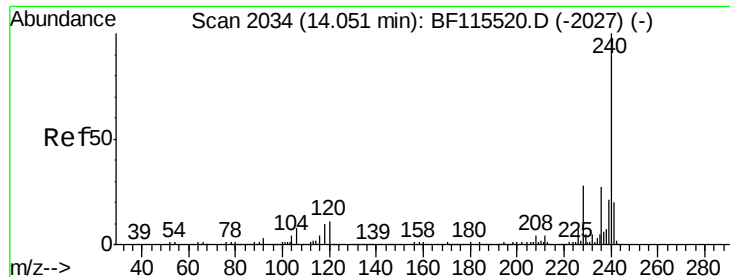


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

Instrument :

BNA\_F

ClientSampleId :

CONCRETE

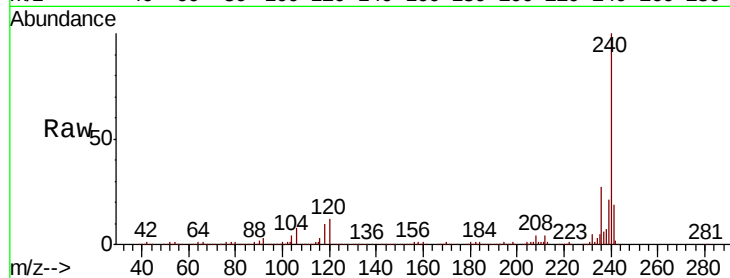
Tot Ion:240 Resp: 506547

Ion Ratio Lower Upper

240 100

120 11.8 8.6 13.0

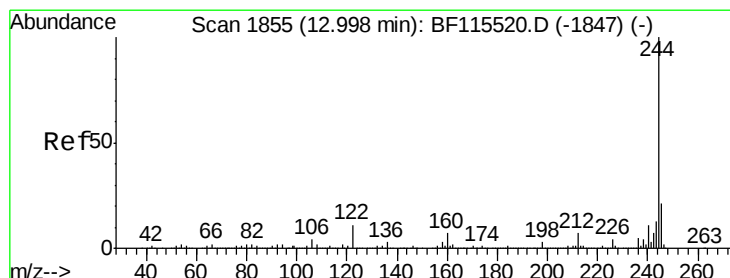
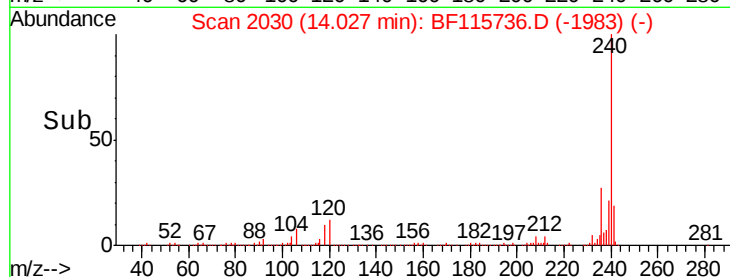
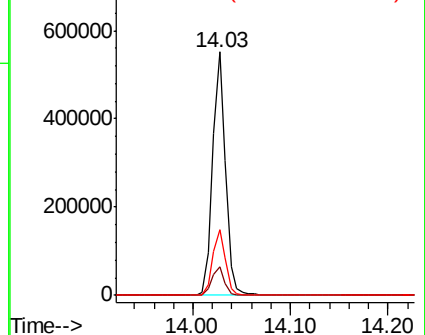
236 26.9 21.3 31.9



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: 55.322 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BF115736.D

Acq: 23 Jul 2019 23:02

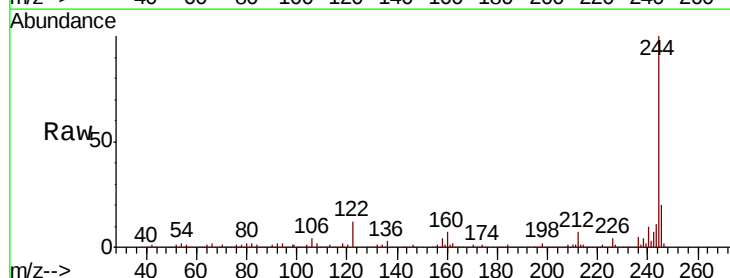
Tgt Ion:244 Resp: 1518738

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

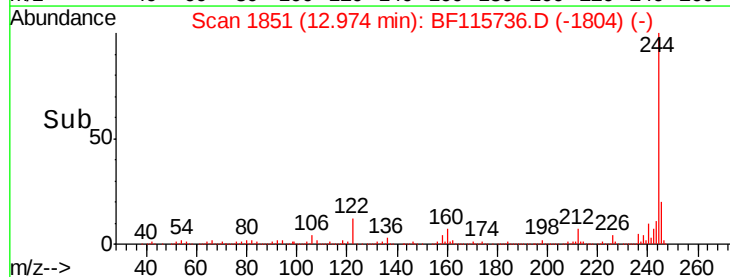
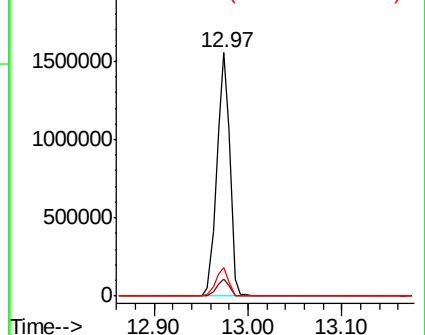
122 11.9 8.6 12.8

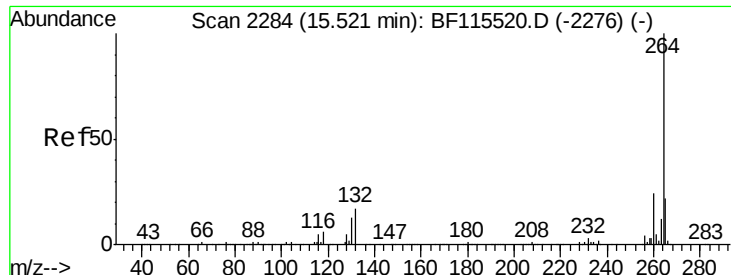


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

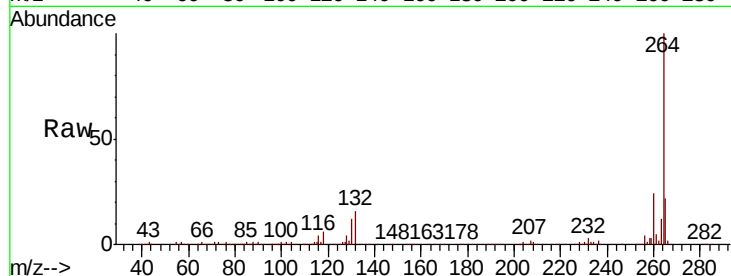




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2280  
 Delta R.T. -0.02 min  
 Lab File: BF115736.D  
 Acq: 23 Jul 2019 23:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.8  | 29.8  |
| 265     | 21.6  | 17.7  | 26.5  |



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

