

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\  
 Data File : BF114336.D  
 Acq On : 17 May 2019 4:08  
 Operator : JU/SJ  
 Sample : K2867-23  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-L

Quant Time: May 17 08:02:09 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

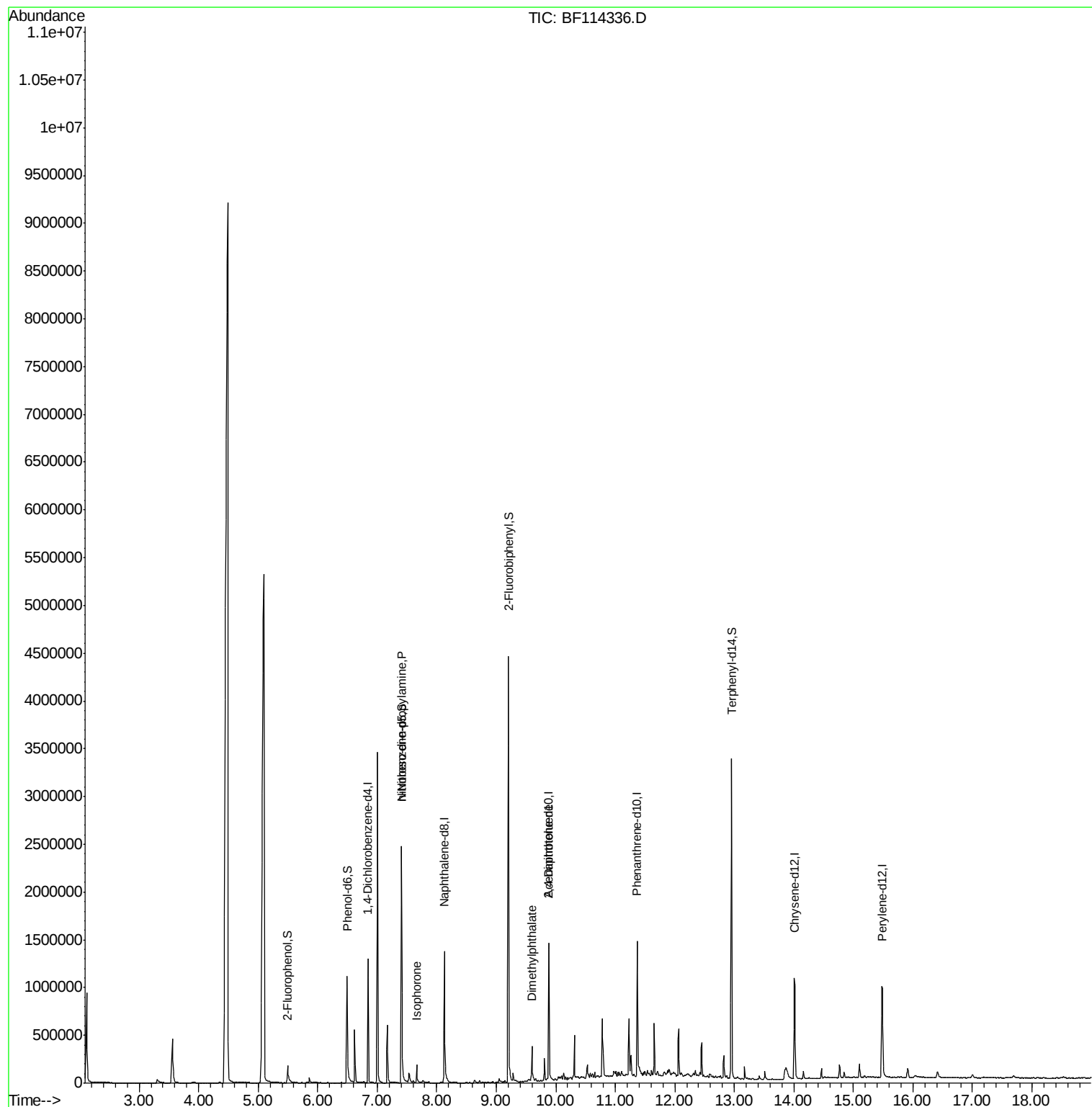
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 191545   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.13  | 136  | 731866   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10           | 9.88  | 164  | 313409   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10           | 11.37 | 188  | 549512   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12               | 14.01 | 240  | 403422   | 20.00  | ng    | -0.01       |
| 87) Perylene-d12               | 15.49 | 264  | 470358   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.49  | 112  | 83770    | 7.04   | ng    | 0.01        |
| 7) Phenol-d6                   | 6.49  | 99   | 501417   | 35.62  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 786939   | 60.34  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol       | 10.69 | 330  | 2202     | 0.68   | ng    | 0.01        |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 1415089  | 68.30  | ng    | 0.00        |
| 79) Terphenyl-d14              | 12.95 | 244  | 1140359  | 58.27  | ng    | 0.00        |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 102856   | 11.527 | ng    | Qvalue # 74 |
| 25) Isophorone                 | 7.66  | 82   | 83491    | 3.452  | ng    | 97          |
| 50) Dimethylphthalate          | 9.60  | 163  | 166247   | 7.226  | ng    | 99          |
| 57) 2,4-Dinitrotoluene         | 9.88  | 165  | 41964    | 6.059  | ng    | # 26        |

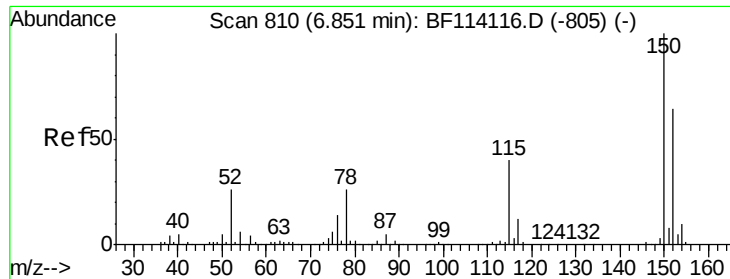
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
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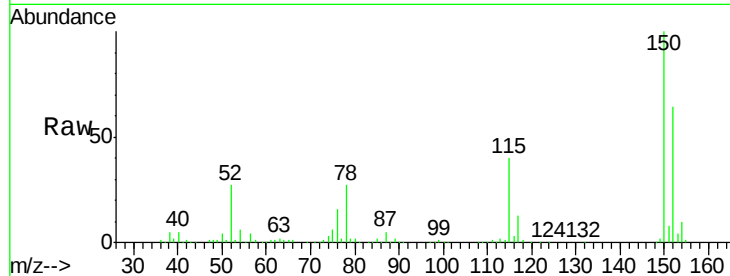




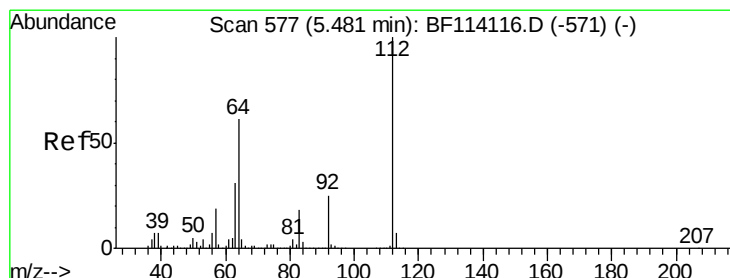
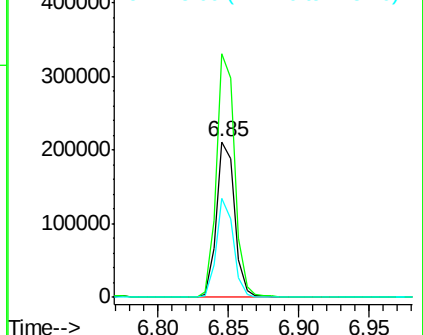
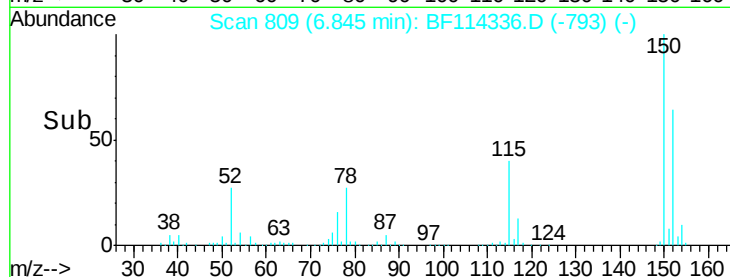
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. -0.01 min  
 Lab File: BF114336.D  
 Acq: 17 May 2019 4:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-L

Tot Ion:152 Resp: 191545  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 124.3 186.5  
 115 63.3 49.1 73.7

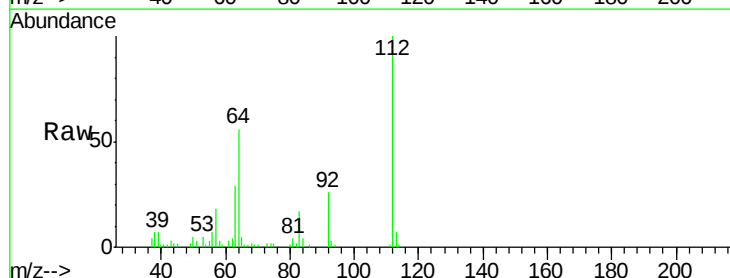


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

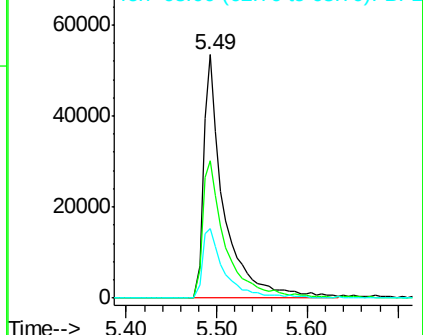
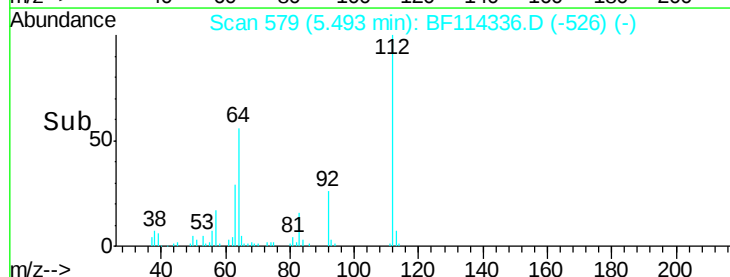


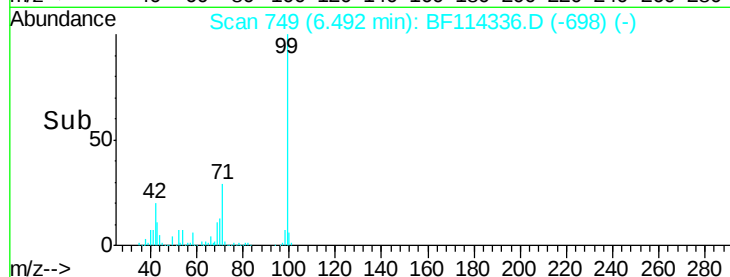
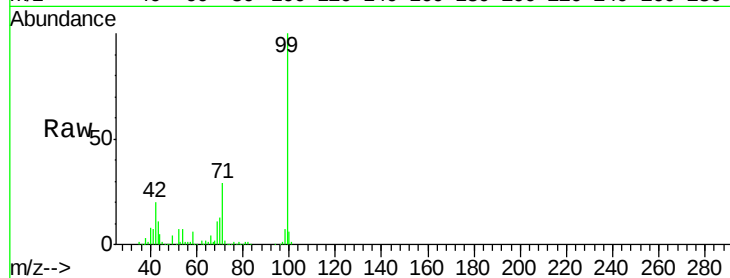
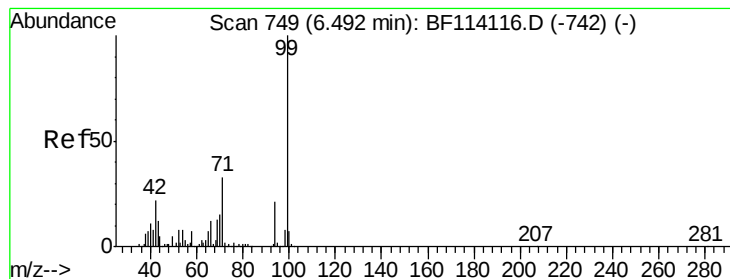
#5  
 2-Fluorophenol  
 Concen: 7.038 ng  
 RT: 5.49 min Scan# 579  
 Delta R.T. 0.01 min  
 Lab File: BF114336.D  
 Acq: 17 May 2019 4:08

Tgt Ion:112 Resp: 83770  
 Ion Ratio Lower Upper  
 112 100  
 64 56.4 49.0 73.6  
 63 28.7 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: 35.618 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114336.D

Acq: 17 May 2019 4:08

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-L

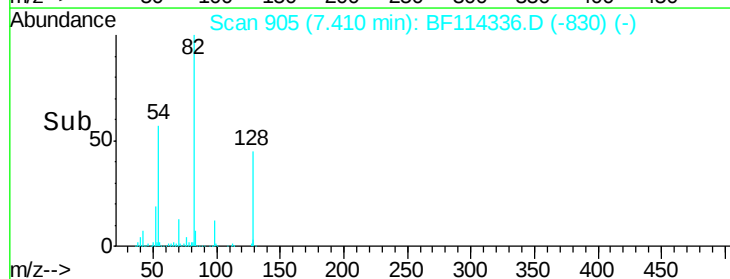
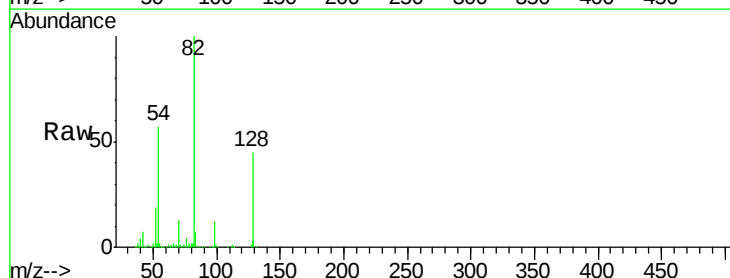
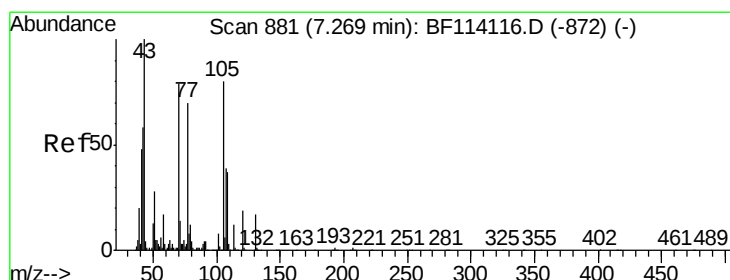
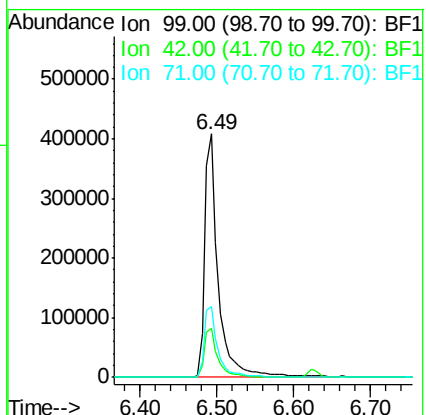
Tot Ion: 99 Resp: 501417

Ion Ratio Lower Upper

99 100

42 20.1 17.9 26.9

71 29.3 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.527 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114336.D

Acq: 17 May 2019 4:08

Tgt Ion: 70 Resp: 102856

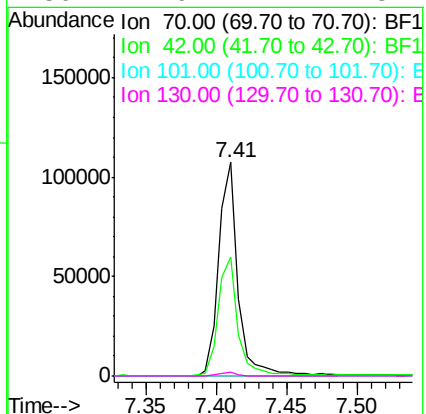
Ion Ratio Lower Upper

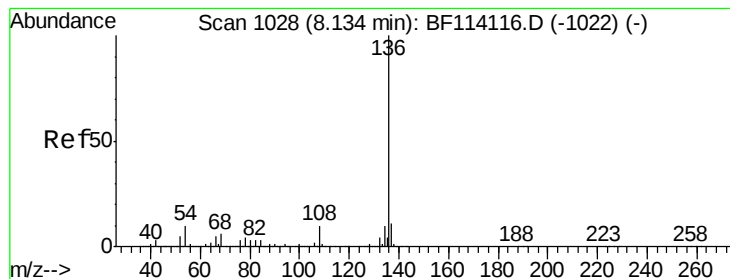
70 100

42 55.7 58.6 87.8#

101 0.0 7.8 11.8#

130 1.9 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114336.D

Acq: 17 May 2019 4:08

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-L

Tot Ion:136 Resp: 731866

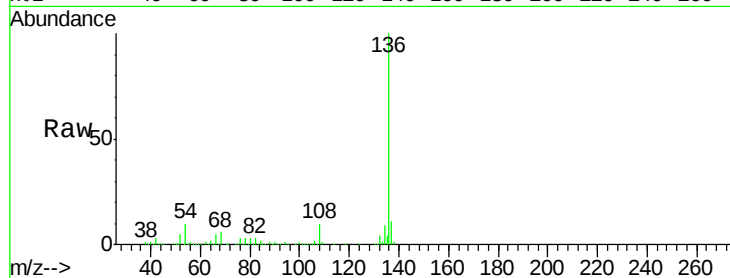
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.8 7.8 11.8

68 6.4 5.1 7.7

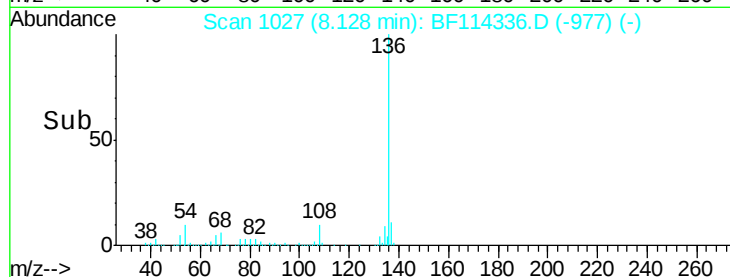


Abundance Ion 136.00 (135.70 to 136.70): E

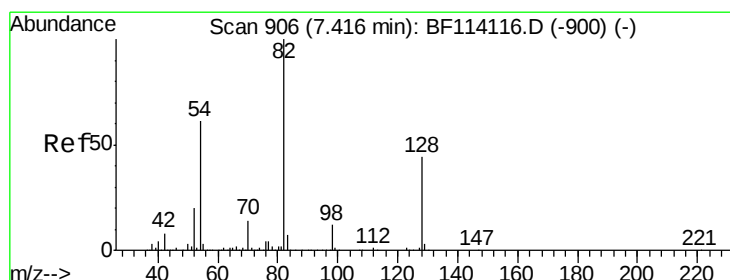
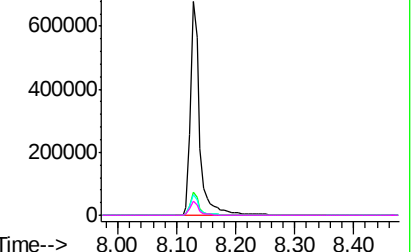
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 60.343 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114336.D

Acq: 17 May 2019 4:08

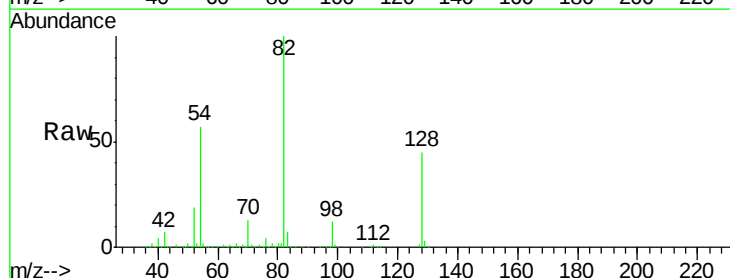
Tgt Ion: 82 Resp: 786939

Ion Ratio Lower Upper

82 100

128 45.5 35.5 53.3

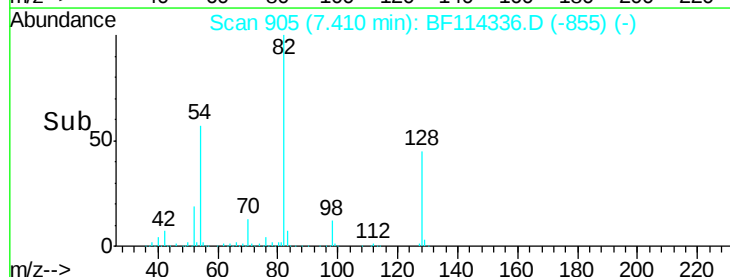
54 57.4 48.5 72.7



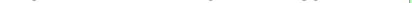
Abundance Ion 82.00 (81.70 to 82.70): BF1

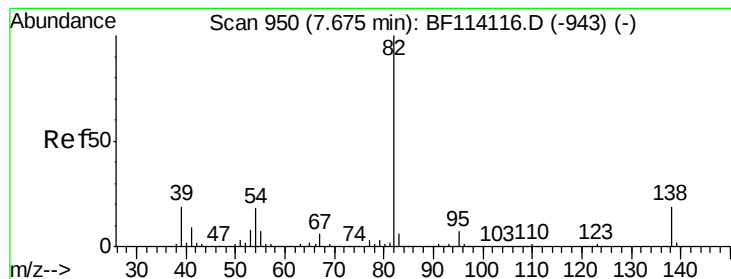
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 3.452 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF114336.D

Acq: 17 May 2019 4:08

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-L

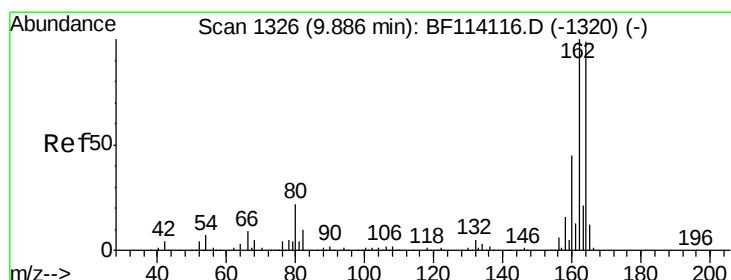
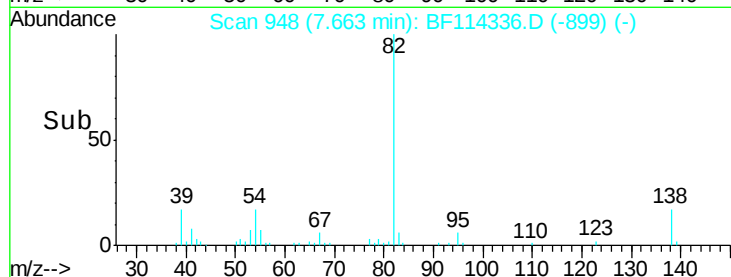
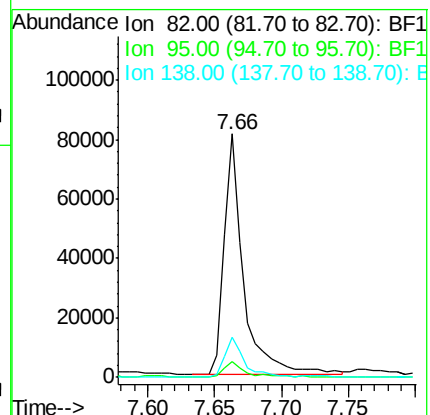
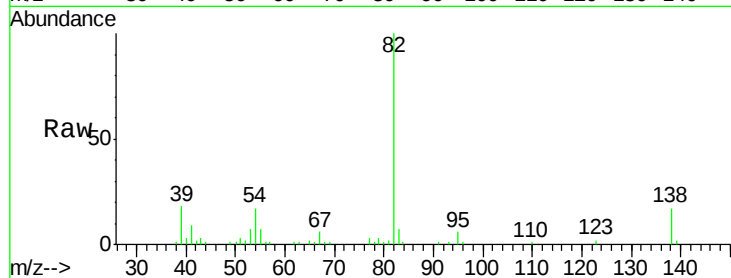
Tot Ion: 82 Resp: 83491

Ion Ratio Lower Upper

82 100

95 6.4 5.6 8.4

138 16.7 14.8 22.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114336.D

Acq: 17 May 2019 4:08

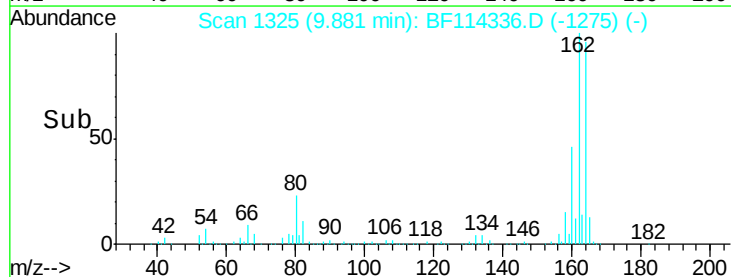
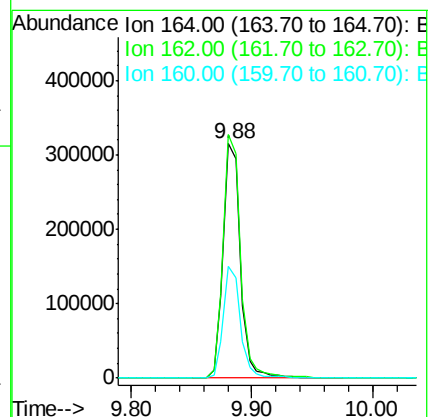
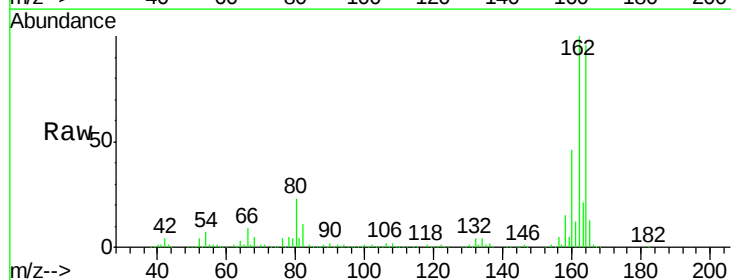
Tgt Ion: 164 Resp: 313409

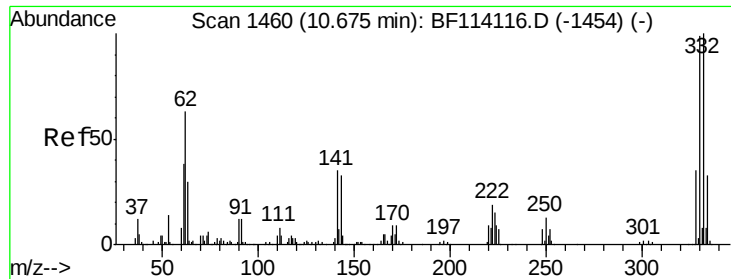
Ion Ratio Lower Upper

164 100

162 103.9 80.6 120.8

160 47.6 36.5 54.7

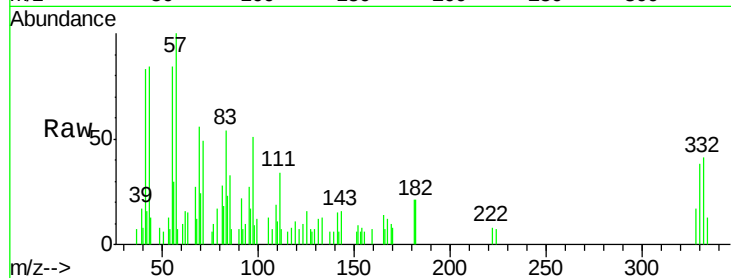




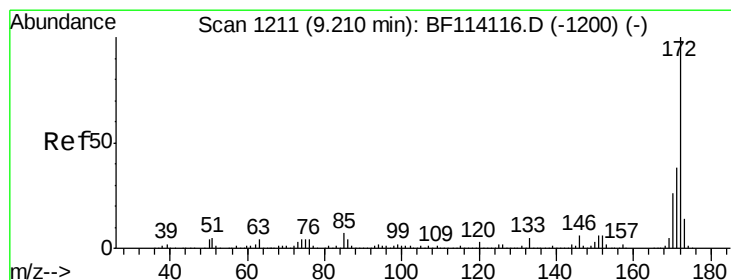
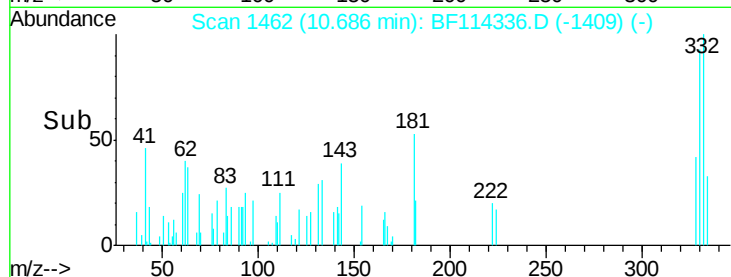
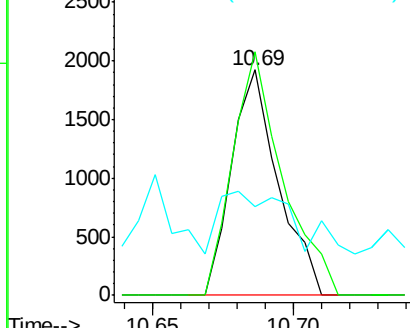
#42  
 2,4,6-Tribromophenol  
 Concen: 0.680 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. 0.01 min  
 Lab File: BF114336.D  
 Acq: 17 May 2019 4:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-L

Tot Ion:330 Resp: 2202  
 Ion Ratio Lower Upper  
 330 100  
 332 115.5 81.4 122.2  
 141 44.6 26.6 40.0#

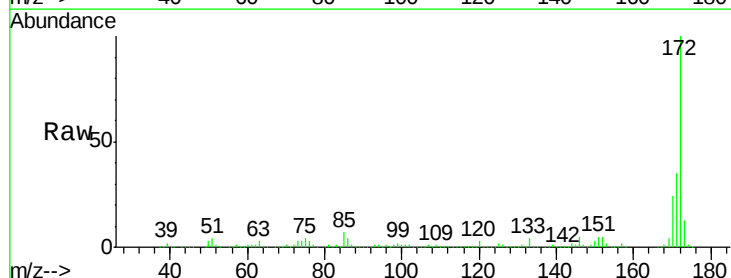


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

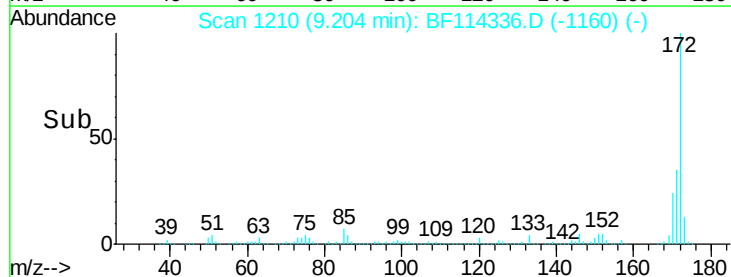
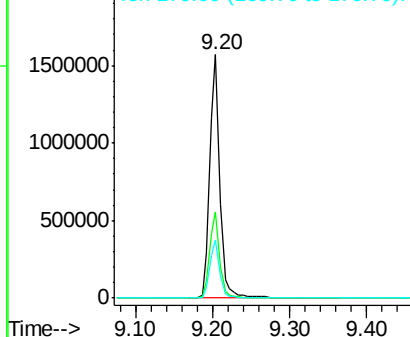


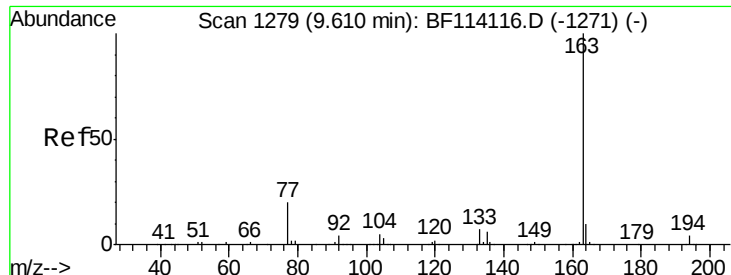
#45  
 2-Fluorobiphenyl  
 Concen: 68.299 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF114336.D  
 Acq: 17 May 2019 4:08

Tgt Ion:172 Resp: 1415089  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 30.7 46.1  
 170 23.7 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

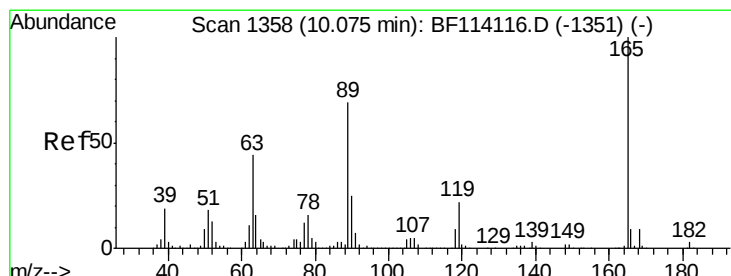
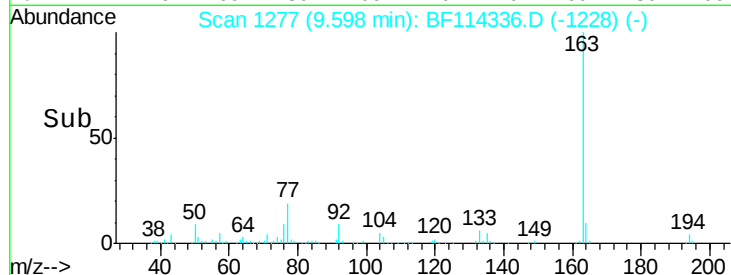
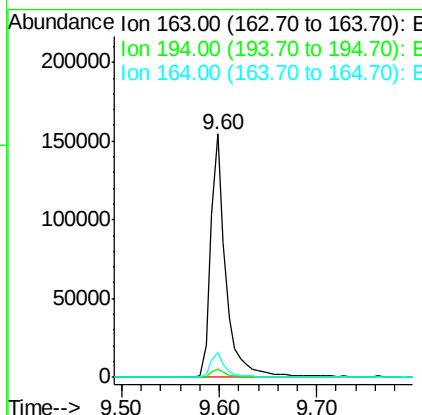
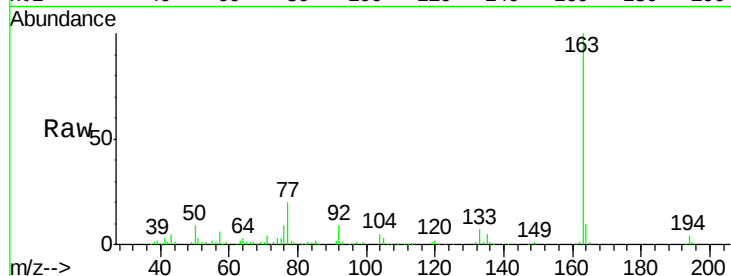




#50  
Dimethylphthalate  
Concen: 7.226 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.01 min  
Lab File: BF114336.D  
Acq: 17 May 2019 4:08

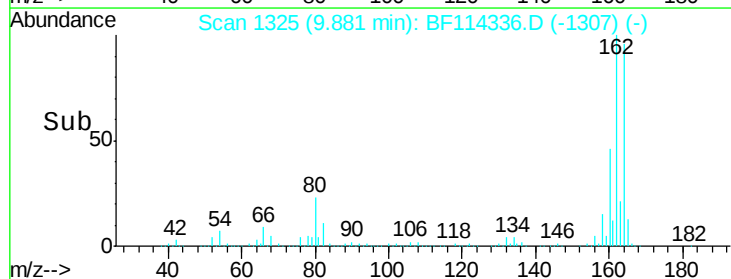
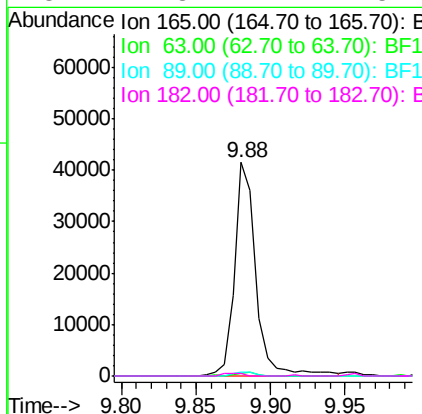
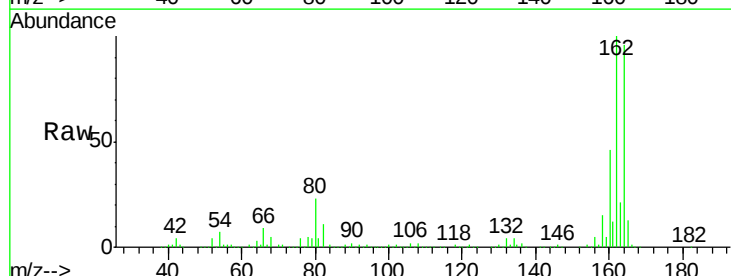
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-L

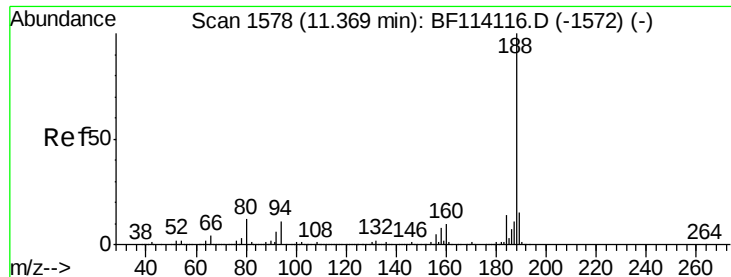
Tot Ion:163 Resp: 166247  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.4 5.0  
164 9.9 8.2 12.2



#57  
2,4-Dinitrotoluene  
Concen: 6.059 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. -0.19 min  
Lab File: BF114336.D  
Acq: 17 May 2019 4:08

Tgt Ion:165 Resp: 41964  
Ion Ratio Lower Upper  
165 100  
63 1.5 35.5 53.3#  
89 1.7 55.2 82.8#  
182 1.3 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF114336.D

Acq: 17 May 2019 4:08

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-L

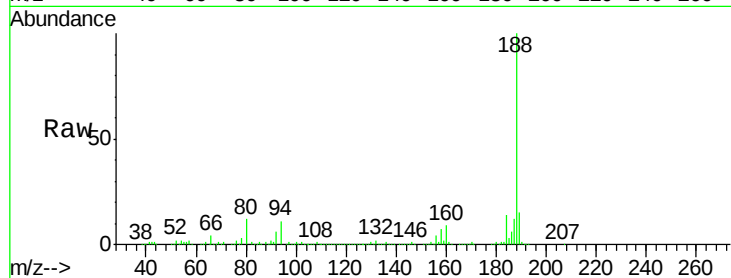
Tot Ion:188 Resp: 549512

Ion Ratio Lower Upper

188 100

94 10.8 8.4 12.6

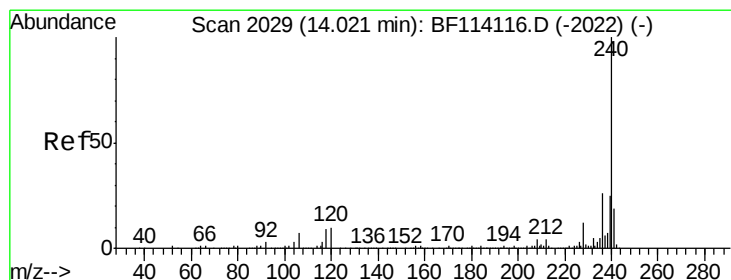
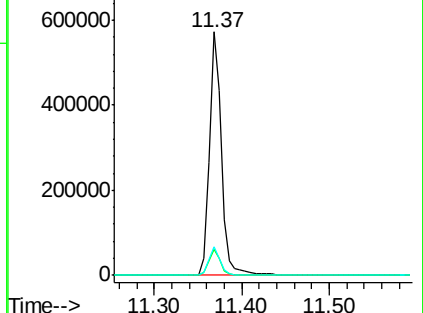
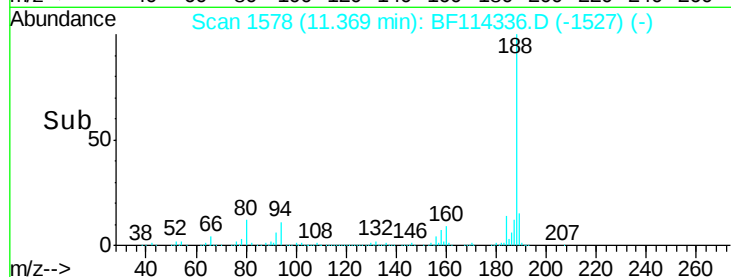
80 11.7 9.2 13.8



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: BF114336.D

Acq: 17 May 2019 4:08

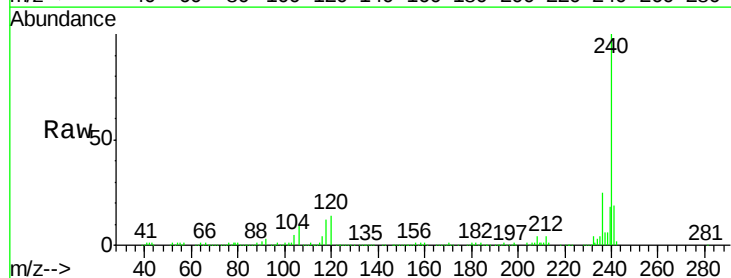
Tgt Ion:240 Resp: 403422

Ion Ratio Lower Upper

240 100

120 13.6 8.3 12.5#

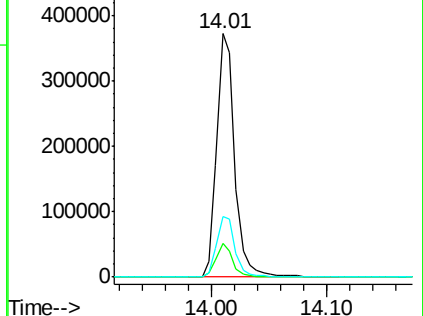
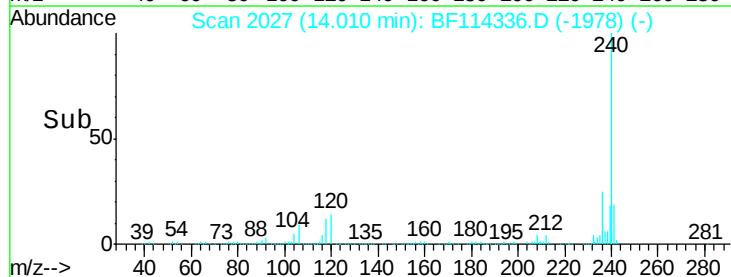
236 25.0 20.8 31.2

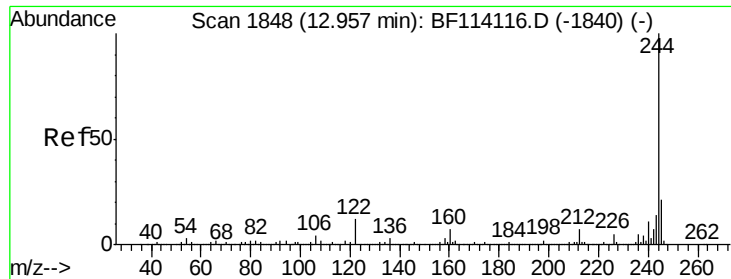


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



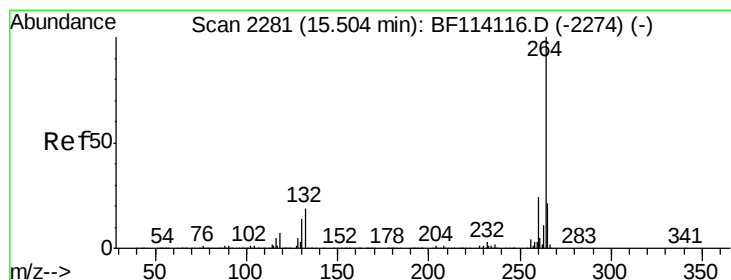
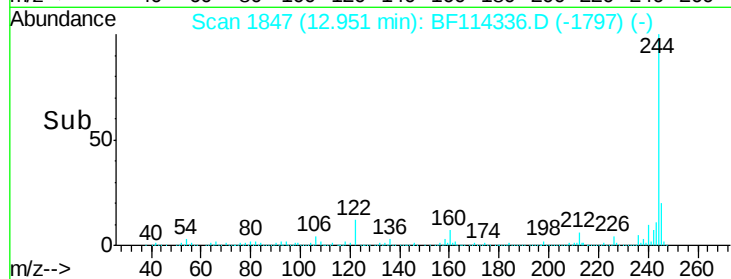
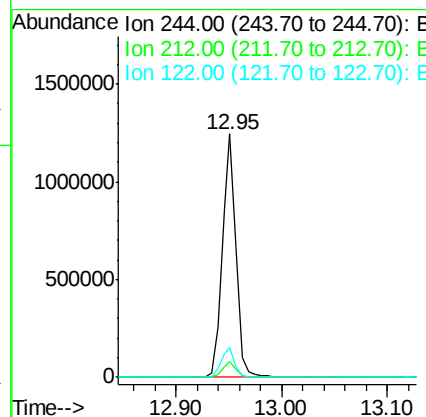
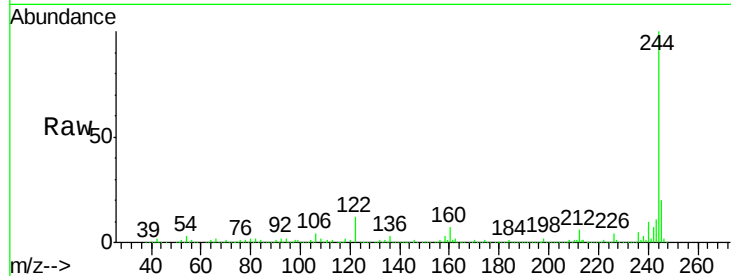


#79  
 Terphenyl-d14  
 Concen: 58.271 ng  
 RT: 12.95 min Scan# 1847  
 Delta R.T. -0.01 min  
 Lab File: BF114336.D  
 Acq: 17 May 2019 4:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-L

Tot Ion:244 Resp: 1140359  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.3   | 5.8   | 8.6   |
| 122 | 12.0  | 9.4   | 14.2  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BF114336.D  
 Acq: 17 May 2019 4:08

Tgt Ion:264 Resp: 470358  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 19.4  | 29.0  |
| 265 | 21.8  | 16.9  | 25.3  |

