

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\  
 Data File : BF117343.D  
 Acq On : 8 Oct 2019 16:31  
 Operator : JU  
 Sample : K5238-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 09 01:30:05 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 09 01:26:00 2019  
 Response via : Initial Calibration

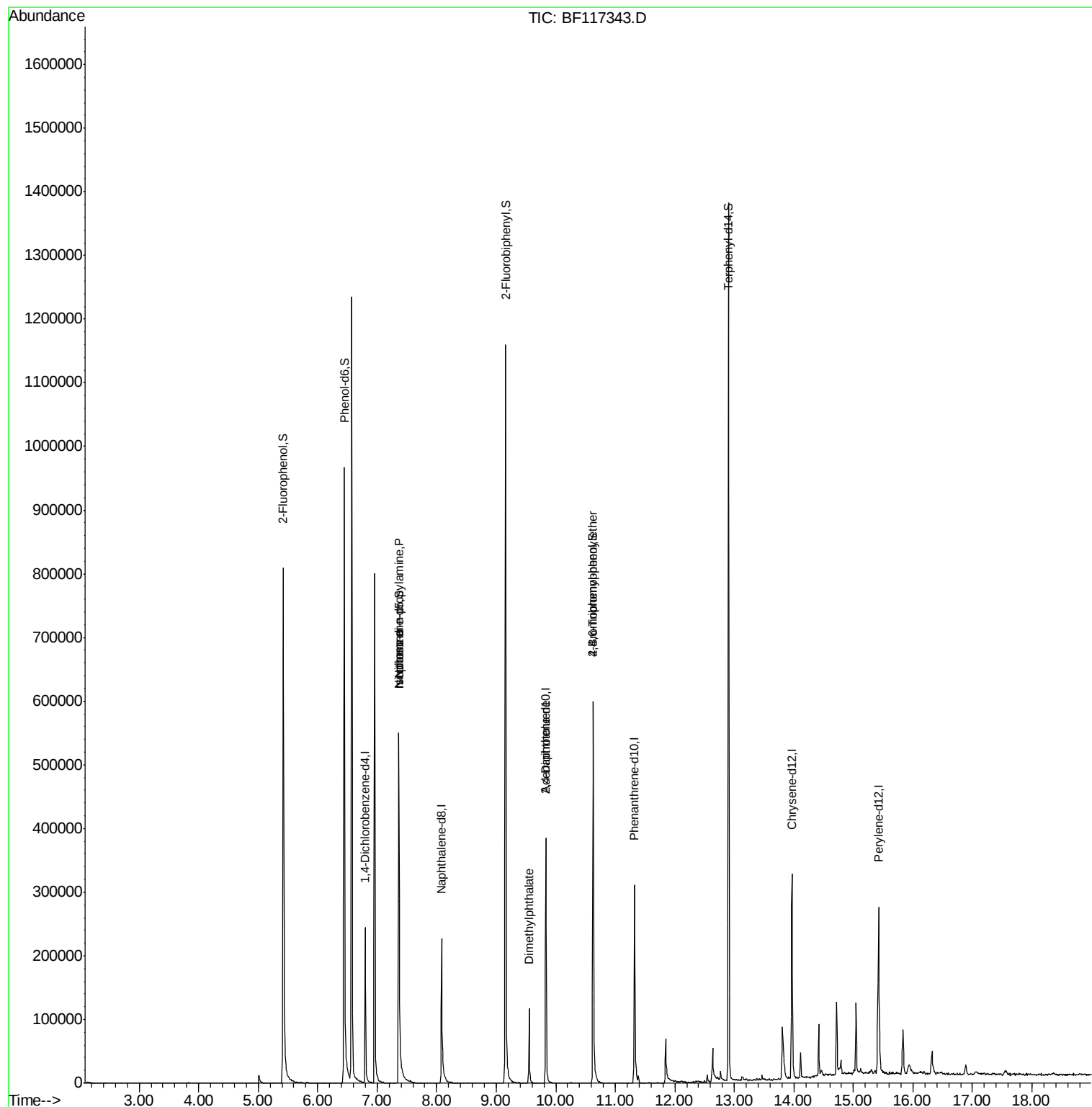
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.80  | 152  | 39746    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.08  | 136  | 163052   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.83  | 164  | 84673    | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.32 | 188  | 144244   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.97 | 240  | 121960   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.42 | 264  | 115200   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 283182   | 111.24    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.45  | 99   | 406994   | 123.70    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 254290   | 81.94     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.63 | 330  | 79812    | 112.78    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.16  | 172  | 429673   | 79.34     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.90 | 244  | 456100   | 69.90     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.44  | 77   | 306      | Below Cal |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 31395    | 15.671 ng | #     | 1        |
| 25) Isophorone                 | 7.36  | 82   | 254288   | 46.280 ng | #     | 82       |
| 50) Dimethylphthalate          | 9.55  | 163  | 58346    | 9.732 ng  | #     | 66       |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 10762    | 6.790 ng  | #     | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248  | 5238     | 3.556 ng  | #     | 18       |
|                                |       |      |          |           | #     | 1        |

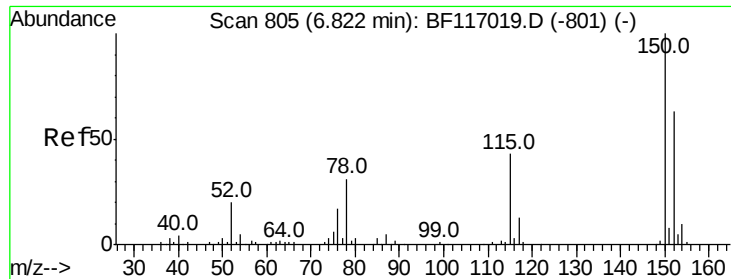
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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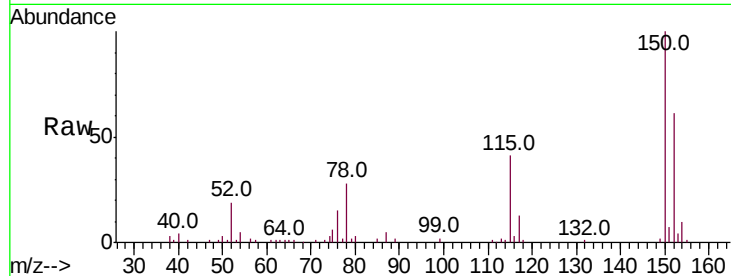


#1

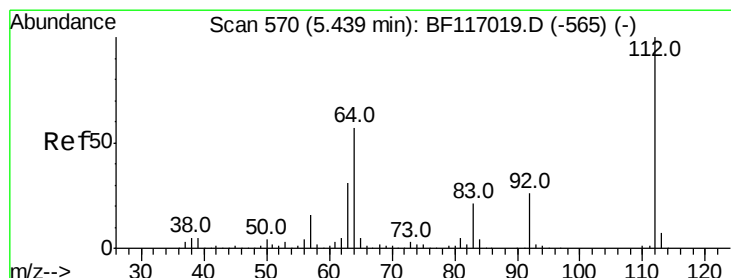
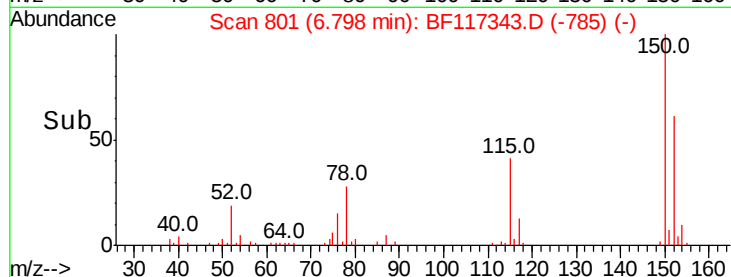
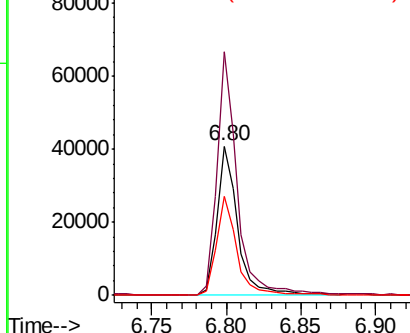
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 39746  
Ion Ratio Lower Upper  
152 100  
150 162.9 127.5 191.3  
115 66.1 55.0 82.4



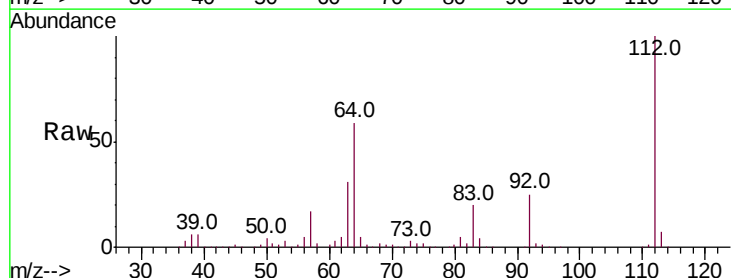
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



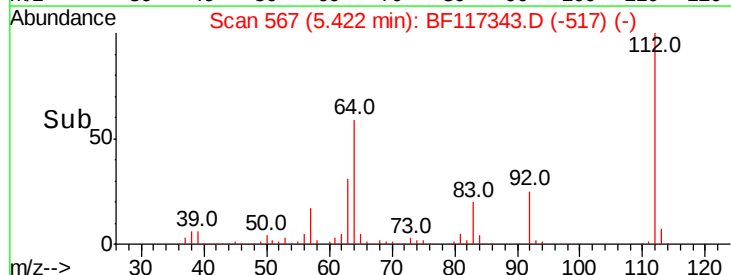
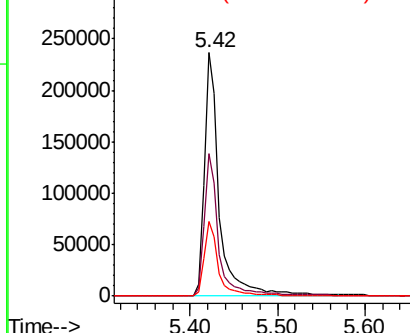
#5

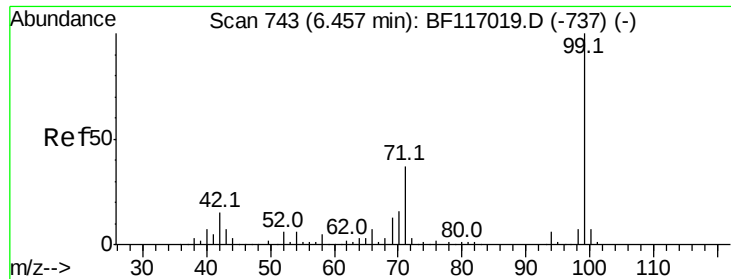
2-Fluorophenol  
Concen: 111.236 ng  
RT: 5.42 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

Tgt Ion:112 Resp: 283182  
Ion Ratio Lower Upper  
112 100  
64 58.8 45.7 68.5  
63 30.8 24.9 37.3



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: 123.704 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117343.D

Acq: 8 Oct 2019 16:31

Instrument :

BNA\_F

ClientSampled :

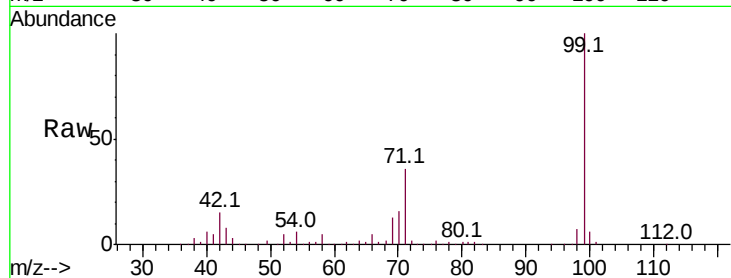
Tot Ion: 99 Resp: 406994

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

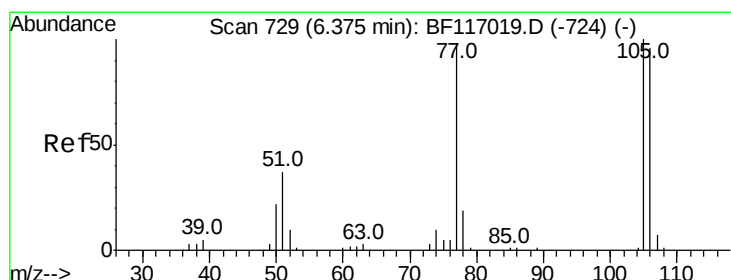
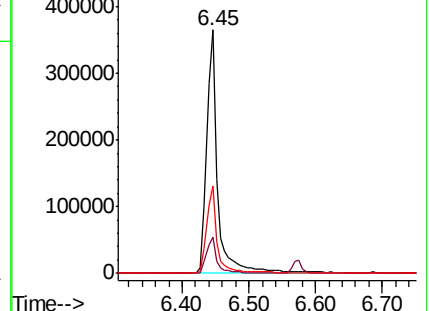
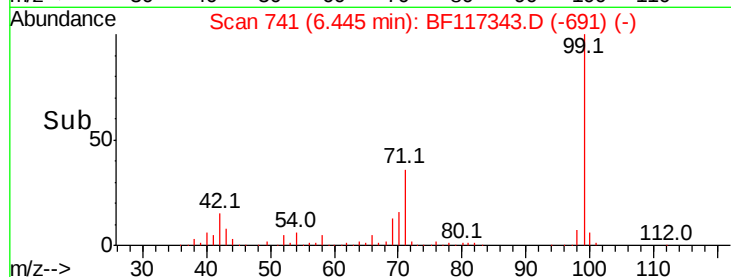
71 36.0 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.44 min Scan# 740

Delta R.T. 0.08 min

Lab File: BF117343.D

Acq: 8 Oct 2019 16:31

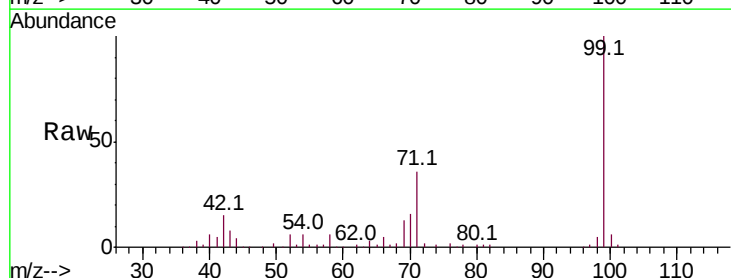
Tgt Ion: 77 Resp: 306

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

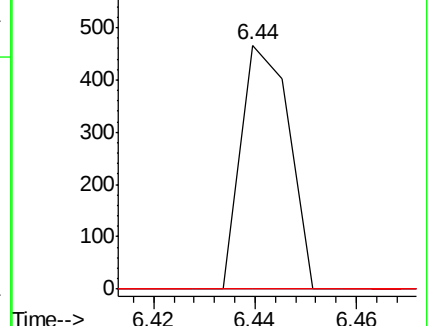
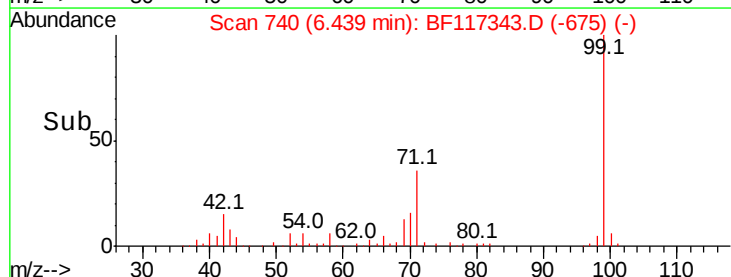
106 0.0 77.3 117.3#

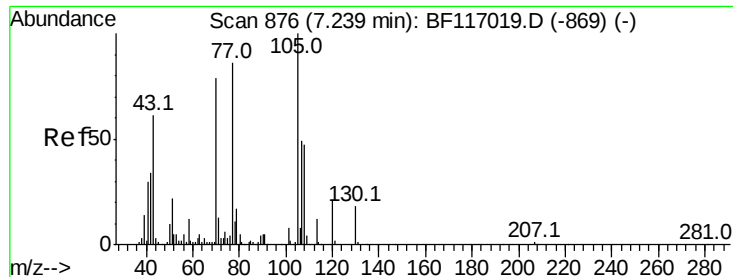


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

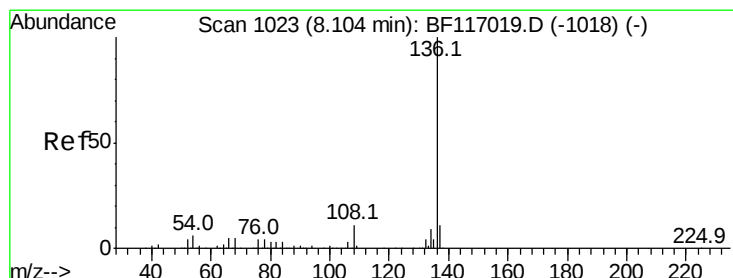
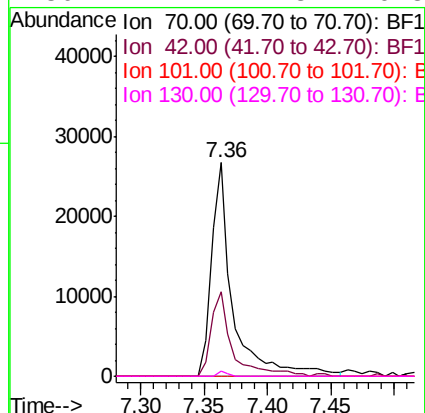
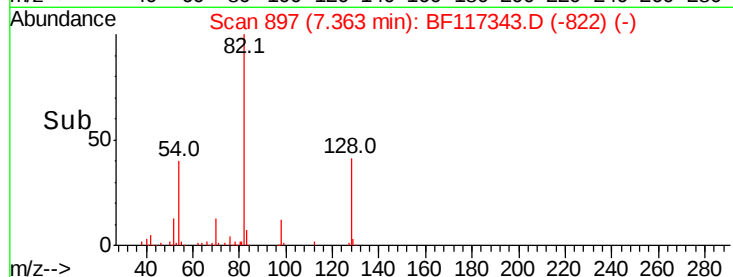
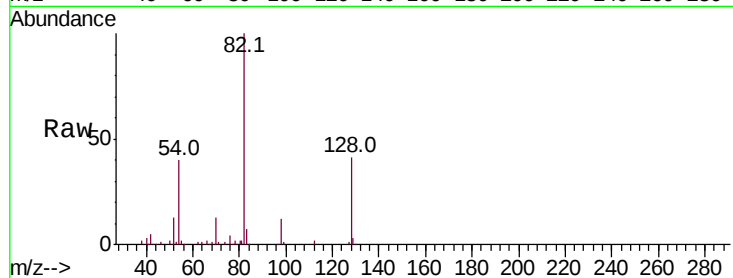




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.671 ng  
RT: 7.36 min Scan# 897  
Delta R.T. 0.14 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

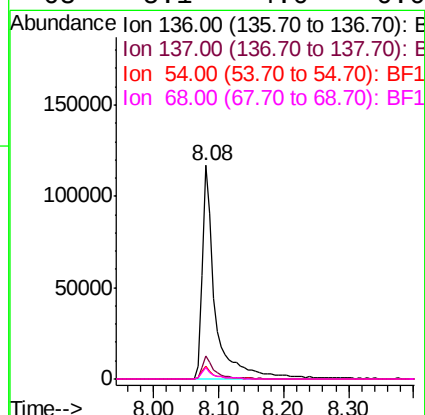
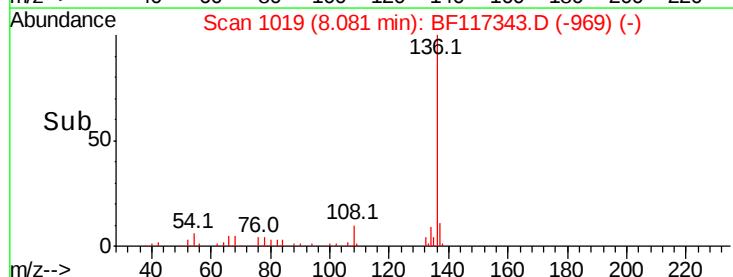
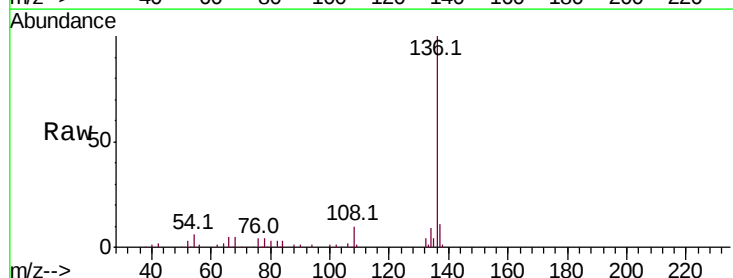
Instrument :  
BNA\_F  
ClientSampleId :

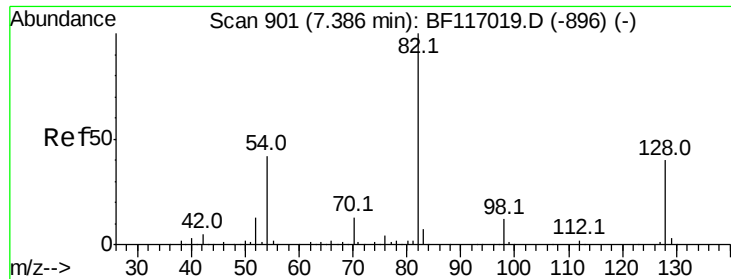
Tot Ion: 70 Resp: 31395  
Ion Ratio Lower Upper  
70 100  
42 39.8 34.0 51.0  
101 0.0 7.8 11.6#  
130 2.2 17.8 26.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

Tgt Ion: 136 Resp: 163052  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.0 13.4  
54 6.2 4.5 6.7  
68 5.1 4.0 6.0

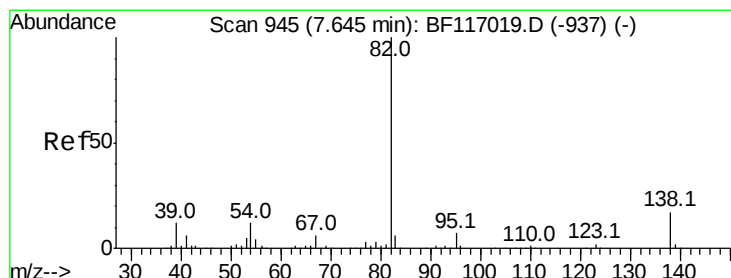
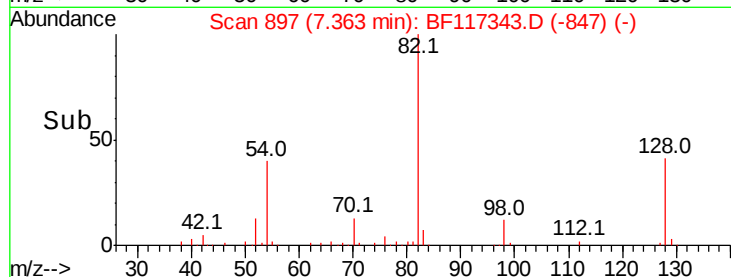
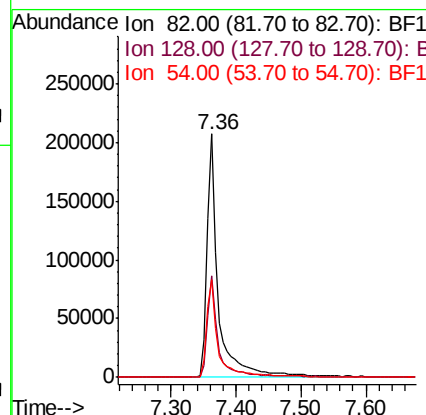
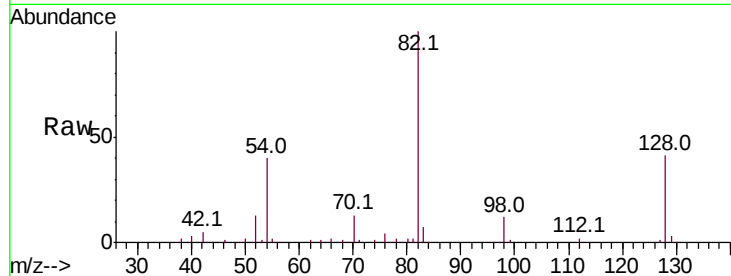




#23  
Nitrobenzene-d5  
Concen: 81.943 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.01 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

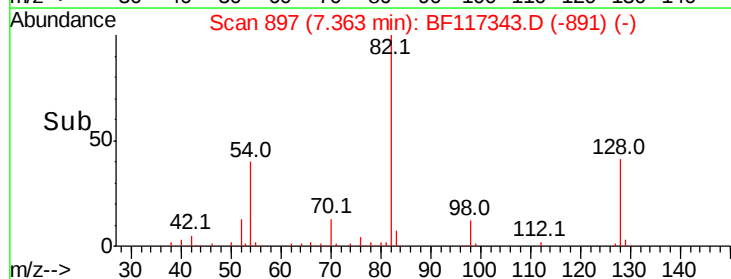
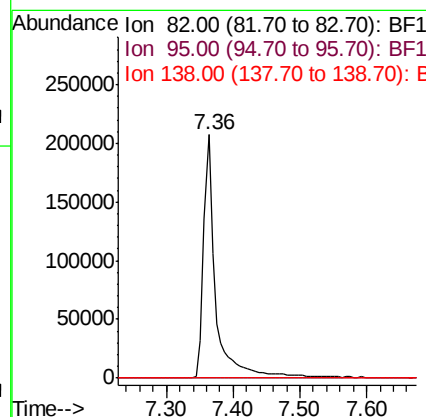
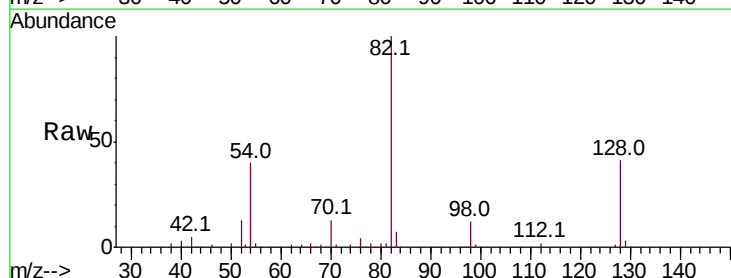
Instrument :  
BNA\_F  
ClientSampleId :

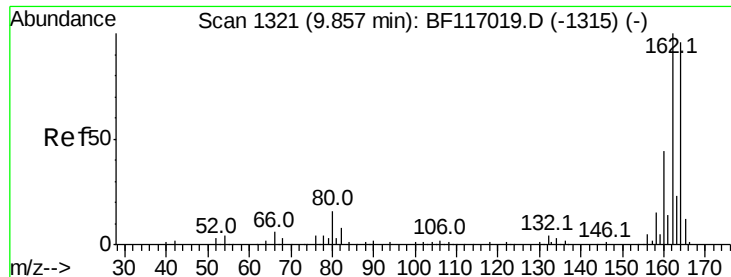
| Tot Ion   | 82    | Resp  | 254290 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.5  | 32.3  | 48.5   |
| 54        | 40.2  | 33.3  | 49.9   |



#25  
Isophorone  
Concen: 46.280 ng  
RT: 7.36 min Scan# 897  
Delta R.T. -0.26 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

| Tgt Ion   | 82    | Resp  | 254288 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.8   | 8.6#   |
| 138       | 0.0   | 13.5  | 20.3#  |

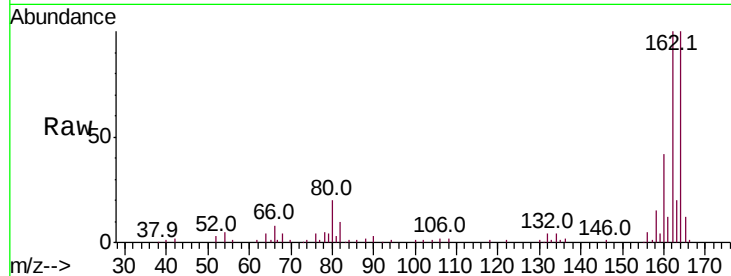




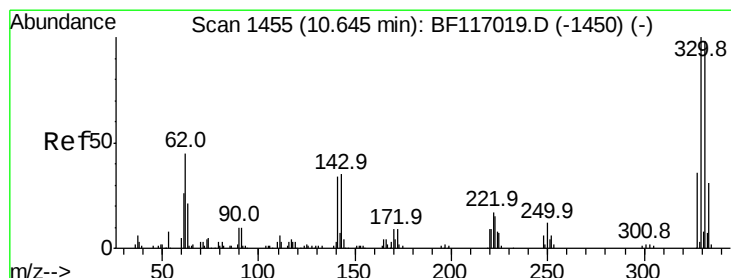
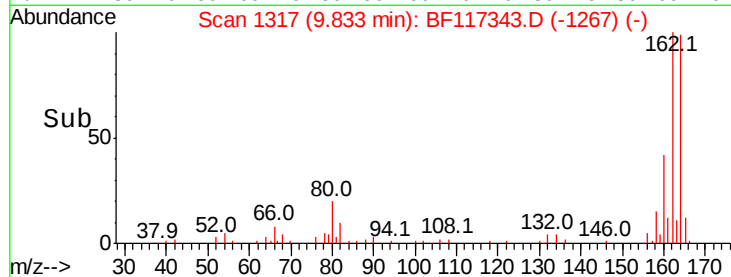
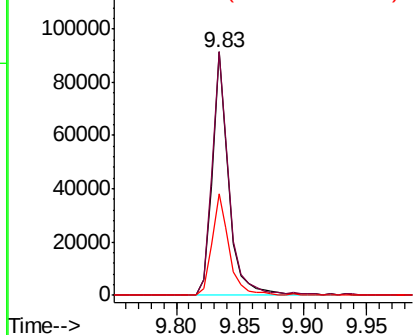
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 84673  
Ion Ratio Lower Upper  
164 100  
162 100.1 83.4 125.2  
160 41.9 36.4 54.6

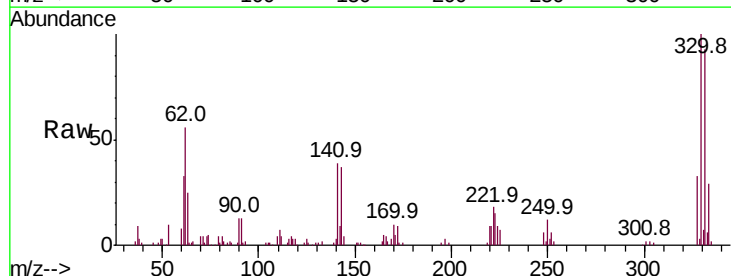


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

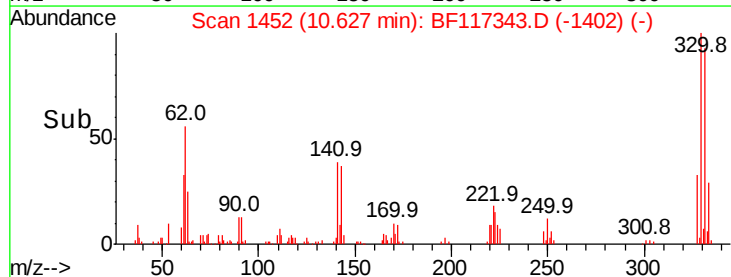
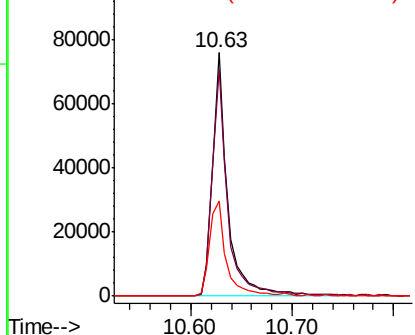


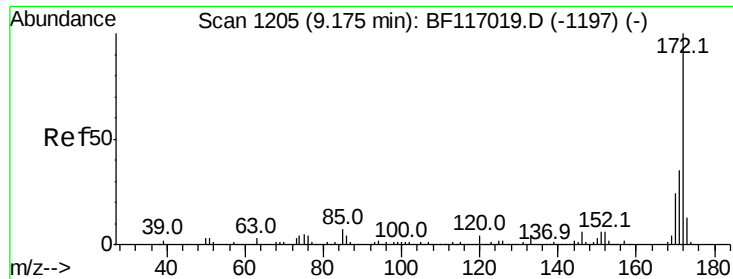
#42  
2,4,6-Tribromophenol  
Concen: 112.781 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.01 min  
Lab File: BF117343.D  
Acq: 8 Oct 2019 16:31

Tgt Ion:330 Resp: 79812  
Ion Ratio Lower Upper  
330 100  
332 95.2 78.0 117.0  
141 43.4 35.8 53.6



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

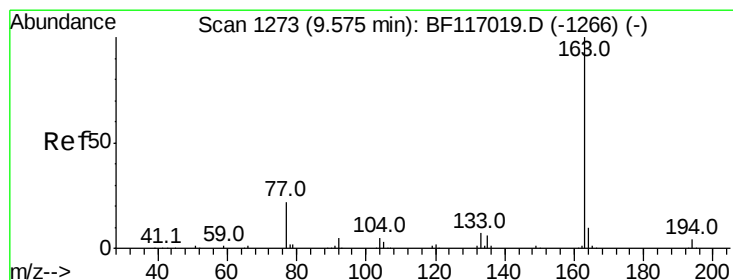
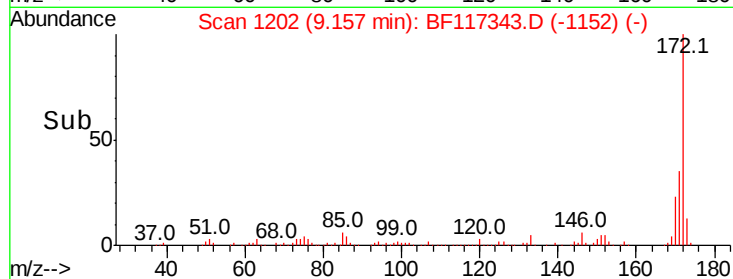
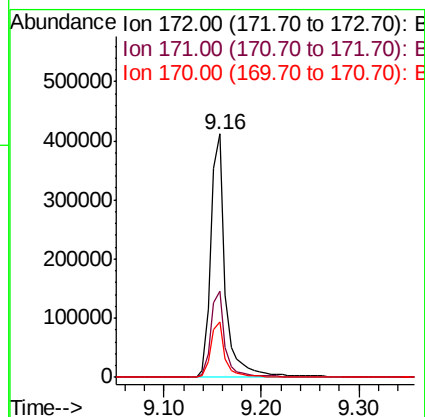
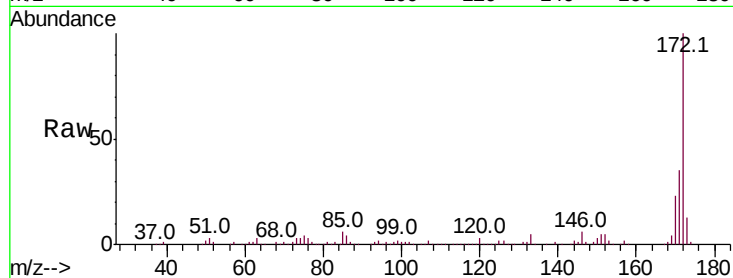




#45  
 2-Fluorobiphenyl  
 Concen: 79.344 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF117343.D  
 Acq: 8 Oct 2019 16:31

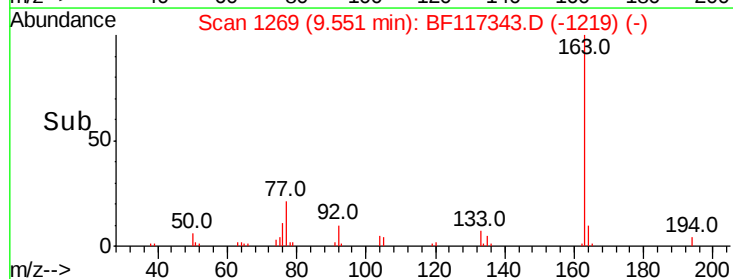
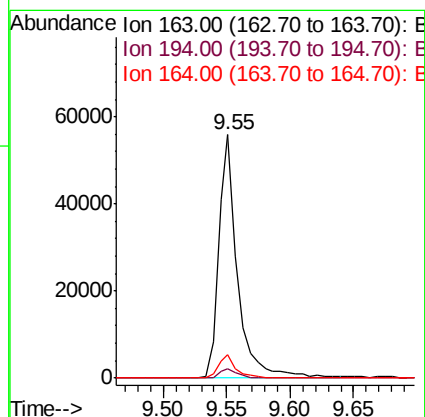
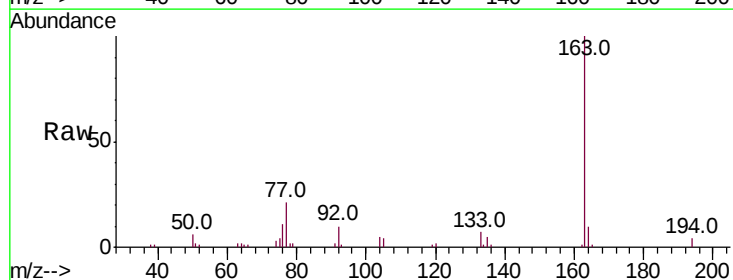
Instrument :  
 BNA\_F  
 ClientSampled :

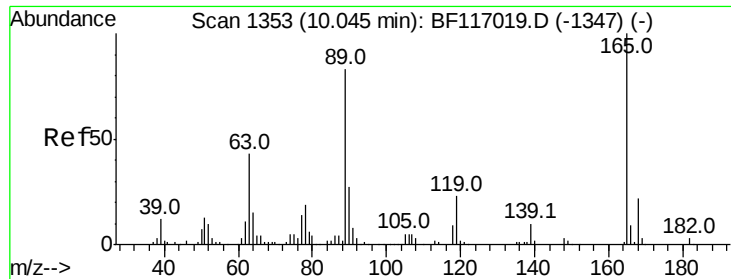
Tot Ion:172 Resp: 429673  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.2 42.2  
 170 22.8 18.9 28.3



#50  
 Dimethylphthalate  
 Concen: 9.732 ng  
 RT: 9.55 min Scan# 1269  
 Delta R.T. -0.01 min  
 Lab File: BF117343.D  
 Acq: 8 Oct 2019 16:31

Tgt Ion:163 Resp: 58346  
 Ion Ratio Lower Upper  
 163 100  
 194 3.6 2.9 4.3  
 164 9.5 8.2 12.4

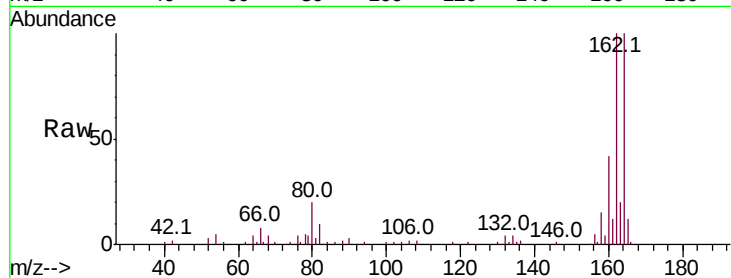




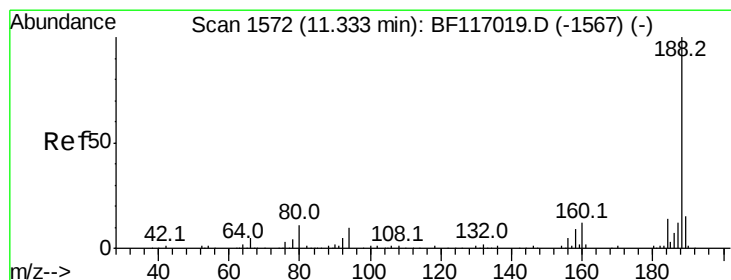
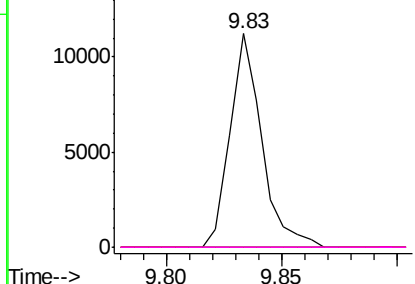
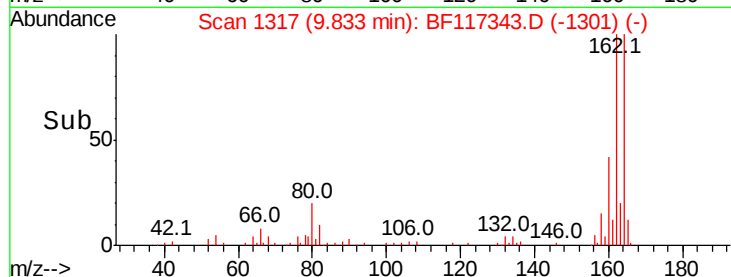
#57  
 2,4-Dinitrotoluene  
 Concen: 6.790 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.21 min  
 Lab File: BF117343.D  
 Acq: 8 Oct 2019 16:31

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 10762  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 35.0 52.4#  
 89 0.0 66.1 99.1#  
 182 0.0 2.0 3.0#

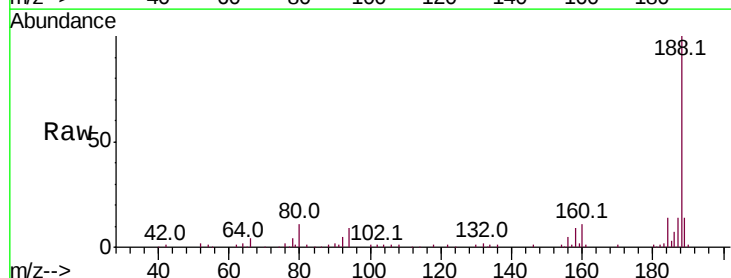


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

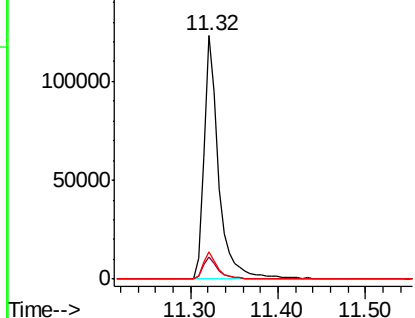
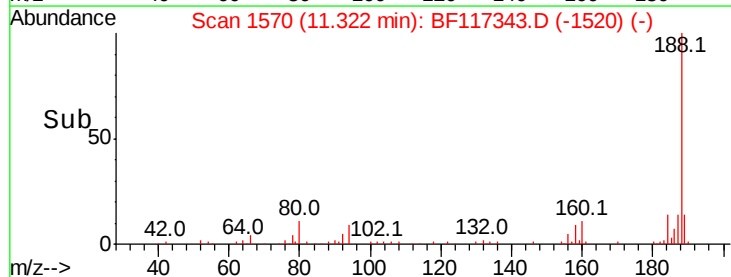


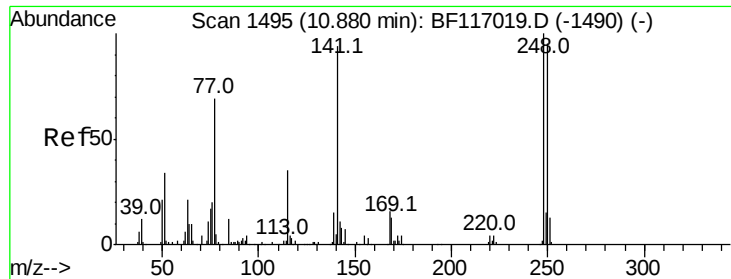
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BF117343.D  
 Acq: 8 Oct 2019 16:31

Tgt Ion:188 Resp: 144244  
 Ion Ratio Lower Upper  
 188 100  
 94 9.1 8.2 12.2  
 80 11.4 9.0 13.6



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





#67

4-Bromophenyl-phenylether

Concen: 3.556 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF117343.D

Acq: 8 Oct 2019 16:31

Instrument :

BNA\_F

ClientSampleId :

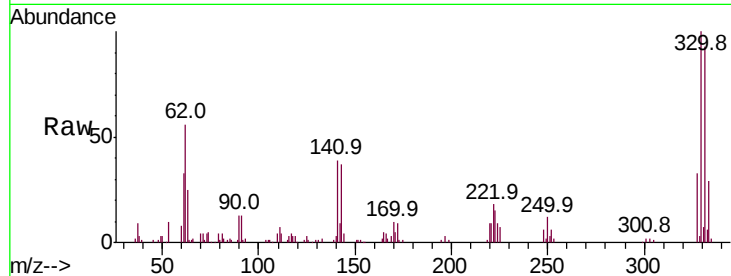
Tot Ion:248 Resp: 5238

Ion Ratio Lower Upper

248 100

250 201.4 76.2 114.4#

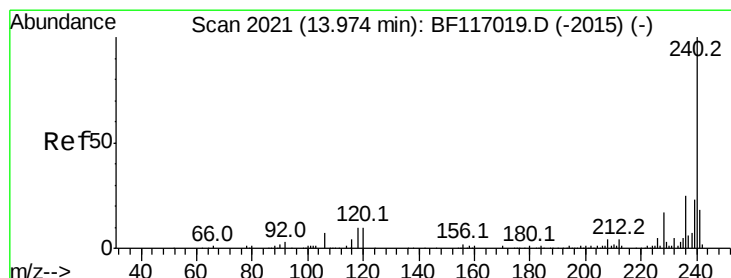
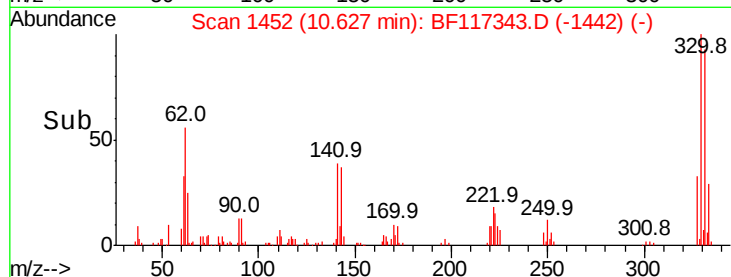
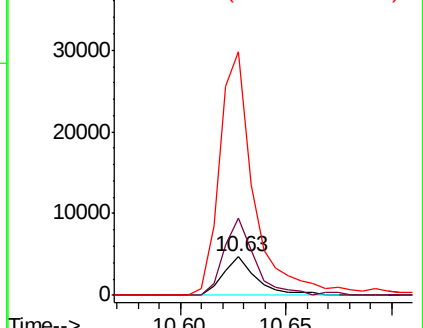
141 633.3 75.0 112.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117343.D

Acq: 8 Oct 2019 16:31

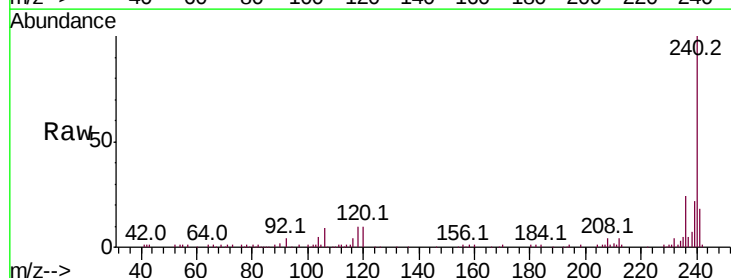
Tgt Ion:240 Resp: 121960

Ion Ratio Lower Upper

240 100

120 9.9 8.3 12.5

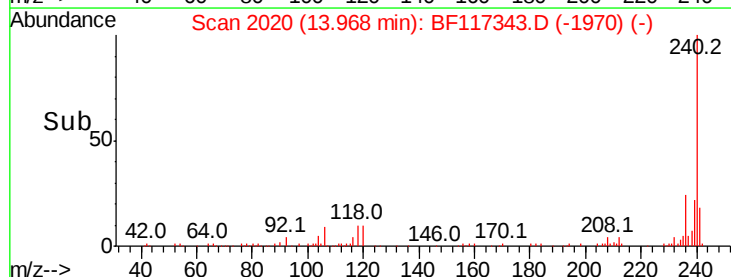
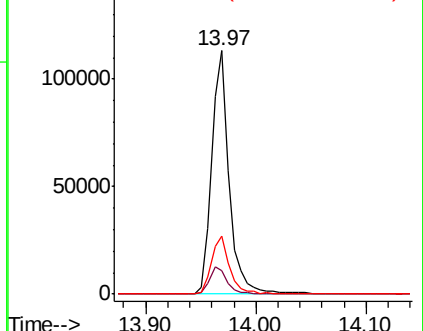
236 24.0 20.3 30.5

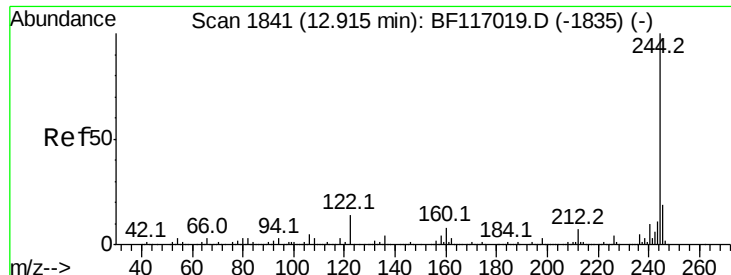


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 69.904 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117343.D

Acq: 8 Oct 2019 16:31

Instrument :

BNA\_F

ClientSampleId :

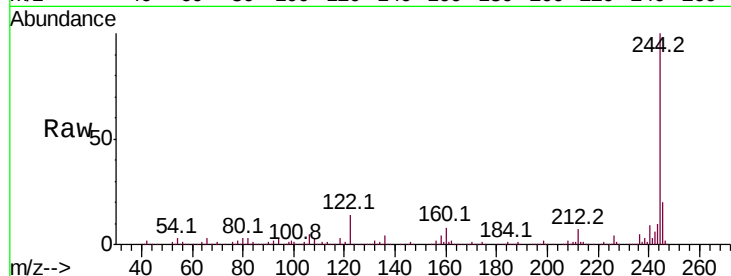
Tot Ion:244 Resp: 456100

Ion Ratio Lower Upper

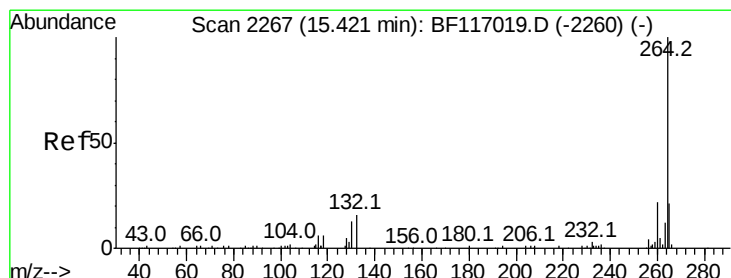
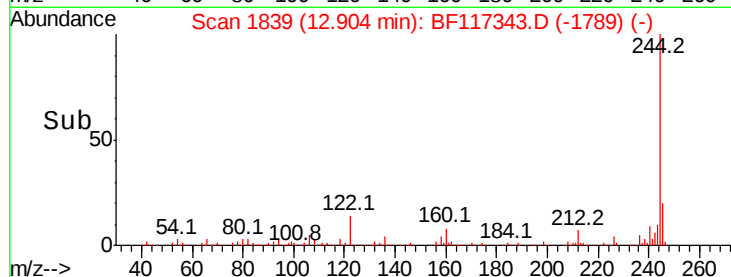
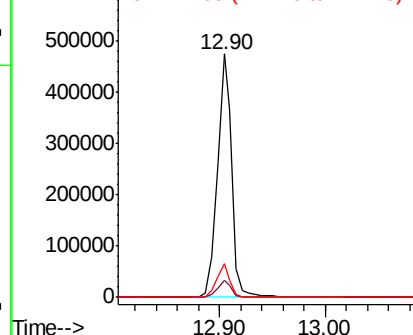
244 100

212 7.1 5.8 8.8

122 13.6 11.3 16.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF117343.D

Acq: 8 Oct 2019 16:31

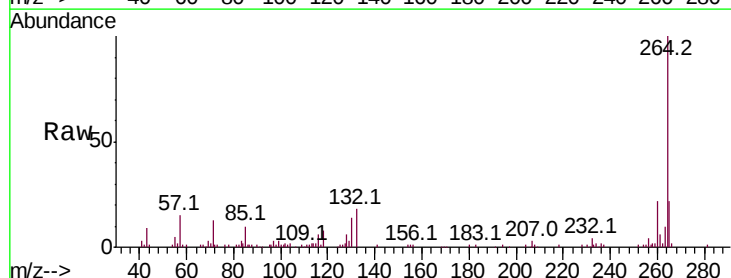
Tgt Ion:264 Resp: 115200

Ion Ratio Lower Upper

264 100

260 22.2 17.6 26.4

265 22.3 16.6 24.8



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

