

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF053119\  
 Data File : BF114705.D  
 Acq On : 31 May 2019 13:52  
 Operator : HP/JU  
 Sample : K2986-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FEQC-052119

Quant Time: Jun 01 00:22:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 19:08:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.69  | 152  | 356652   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 1333409  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.72  | 164  | 665431   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.19 | 188  | 1315763  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.82 | 240  | 1084960  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.21 | 264  | 1030789  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.31  | 112  | 2478407  | 122.01 | ng    | 0.02     |
| 7) Phenol-d6                | 6.33  | 99   | 3109064  | 127.01 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 1906559  | 89.21  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330  | 861035   | 135.80 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.05  | 172  | 3297441  | 94.96  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.78 | 244  | 3739868  | 64.81  | ng    | 0.00     |

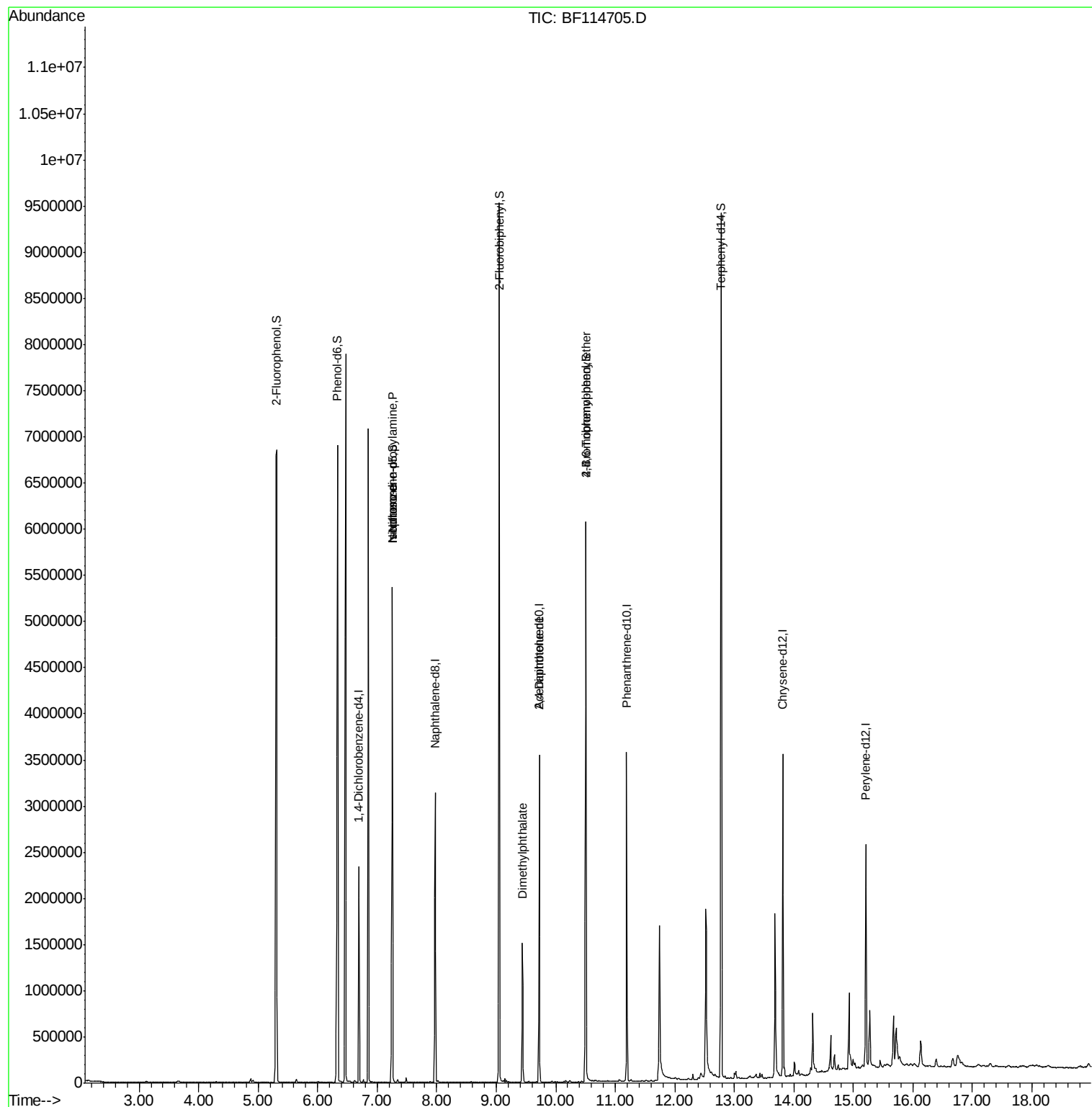
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.33  | 77   | 5304     | Below Cal | #     | 1      |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 261439   | 15.473    | ng    | # 75   |
| 25) Isophorone                 | 7.26  | 82   | 1862567  | 43.425    | ng    | # 63   |
| 50) Dimethylphthalate          | 9.44  | 163  | 579971   | 12.508    | ng    | # 99   |
| 57) 2,4-Dinitrotoluene         | 9.72  | 165  | 85202    | 6.162     | ng    | # 23   |
| 58) Fluorene                   | 10.50 | 166  | 37828    | Below Cal | #     | 86     |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248  | 55414    | 3.927     | ng    | # 1    |
| 74) Di-n-butylphthalate        | 11.77 | 149  | 9993     | Below Cal |       | 99     |

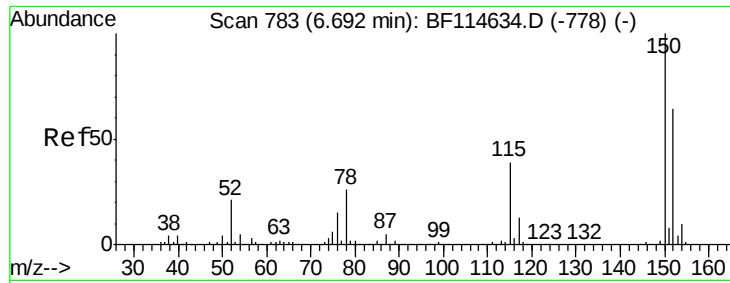
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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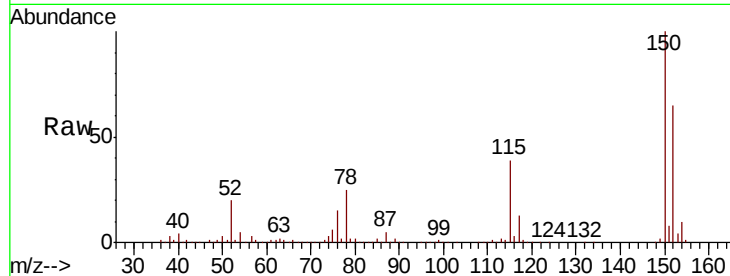




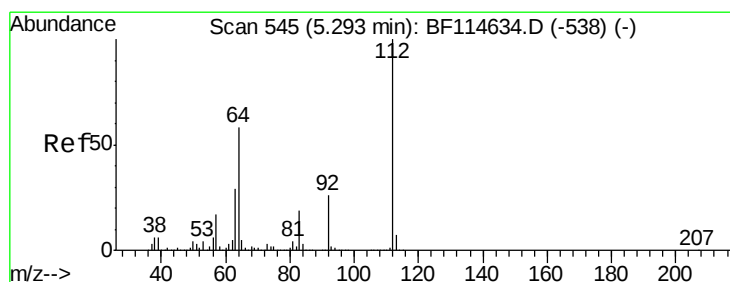
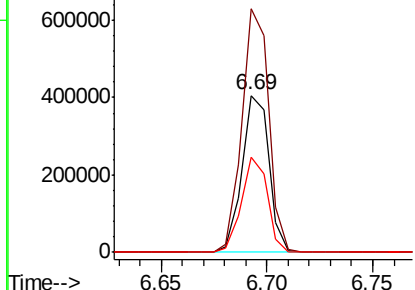
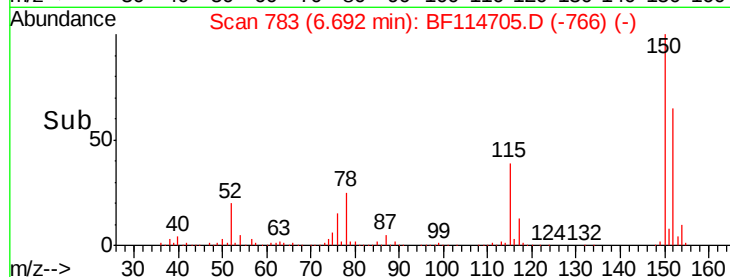
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.69 min Scan# 783  
 Delta R.T. -0.00 min  
 Lab File: BF114705.D  
 Acq: 31 May 2019 13:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FEQC-052119

Tgt Ion:152 Resp: 356652  
 Ion Ratio Lower Upper  
 152 100  
 150 155.0 124.4 186.6  
 115 60.8 48.7 73.1

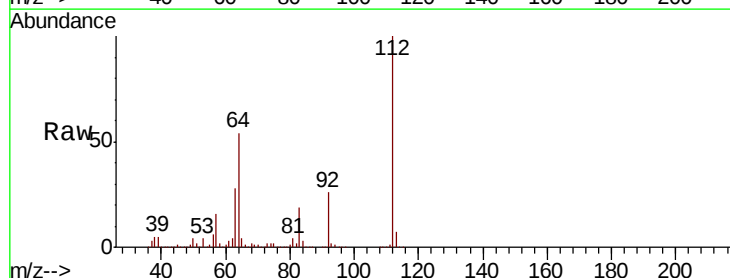


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

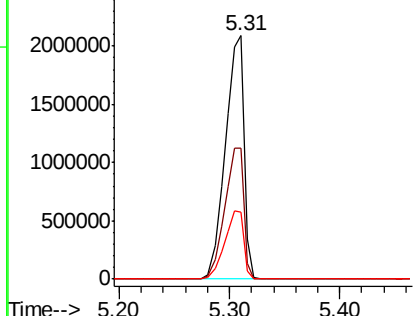
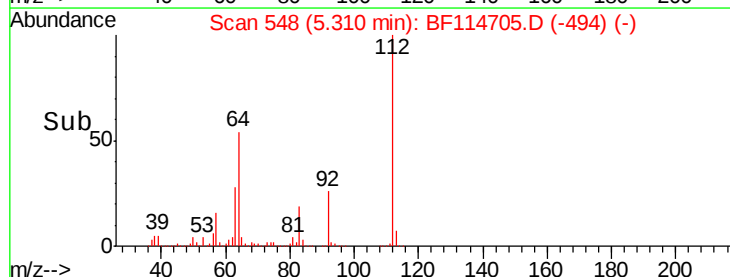


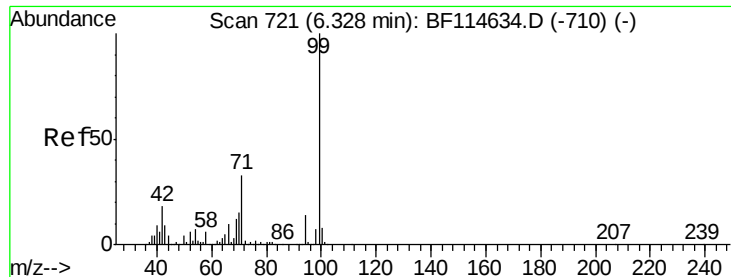
#5  
 2-Fluorophenol  
 Concen: 122.006 ng  
 RT: 5.31 min Scan# 548  
 Delta R.T. 0.02 min  
 Lab File: BF114705.D  
 Acq: 31 May 2019 13:52

Tgt Ion:112 Resp: 2478407  
 Ion Ratio Lower Upper  
 112 100  
 64 53.6 46.1 69.1  
 63 27.5 23.4 35.2



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: 127.010 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

Instrument :

BNA\_F

ClientSampleId :

FEQC-052119

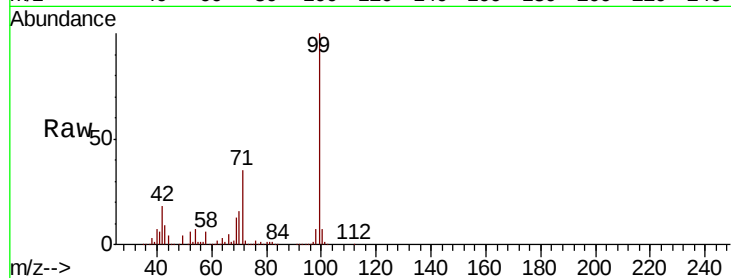
Tgt Ion: 99 Resp: 3109064

Ion Ratio Lower Upper

99 100

42 17.9 14.7 22.1

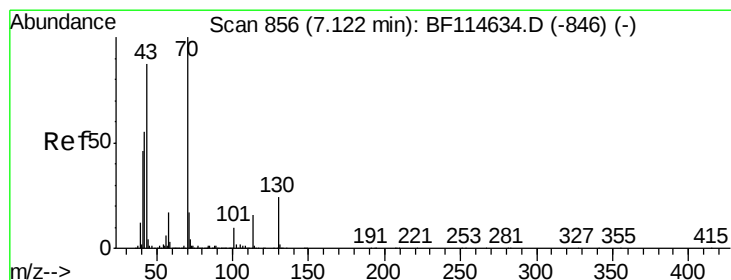
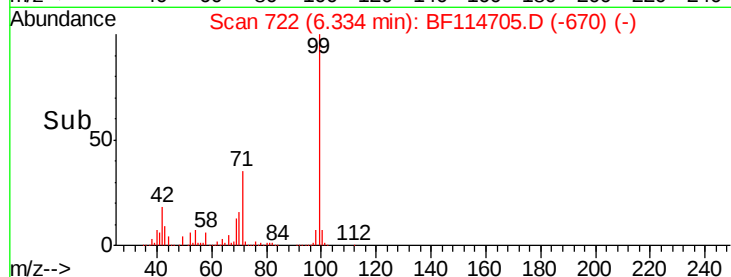
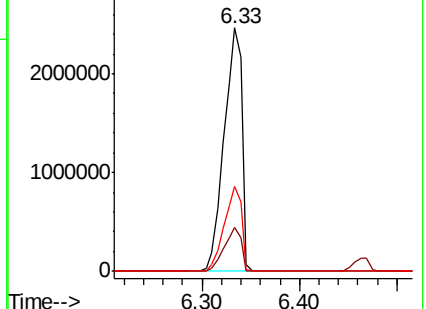
71 34.9 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.473 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

Tgt Ion: 70 Resp: 261439

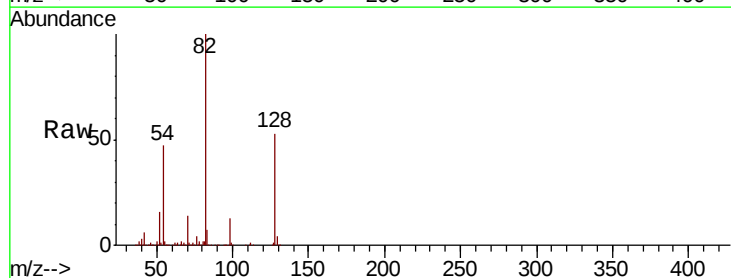
Ion Ratio Lower Upper

70 100

42 43.7 44.4 66.6#

101 0.0 8.2 12.4#

130 2.4 19.4 29.0#

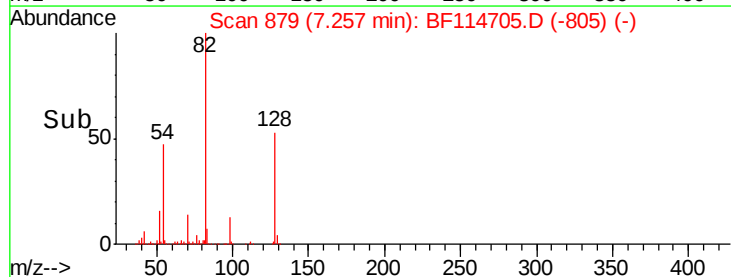
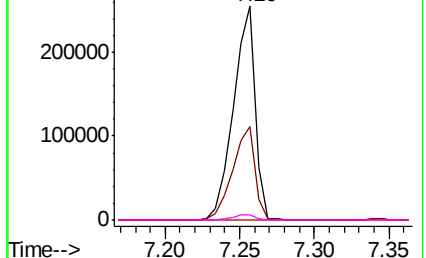


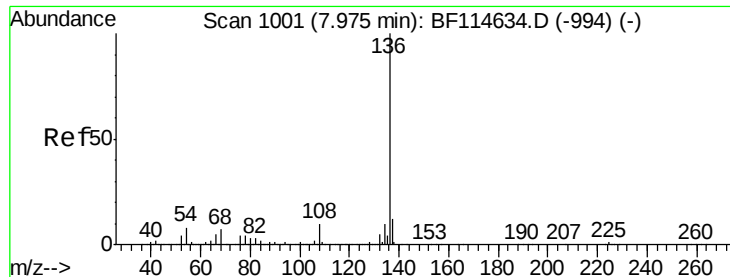
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

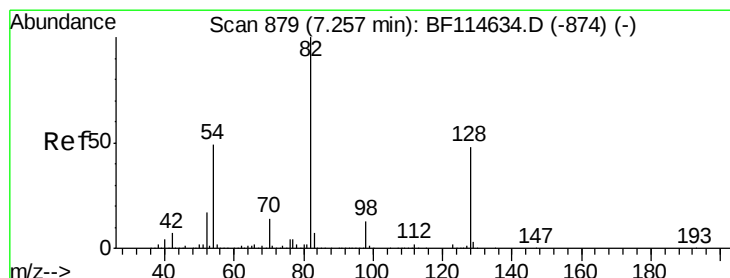
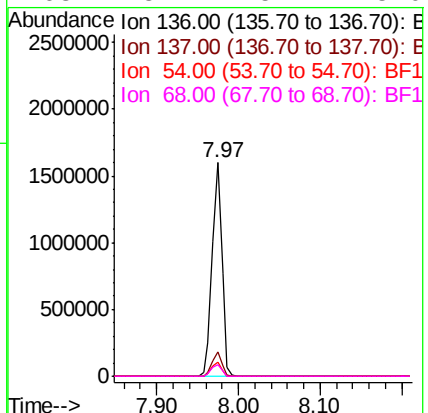
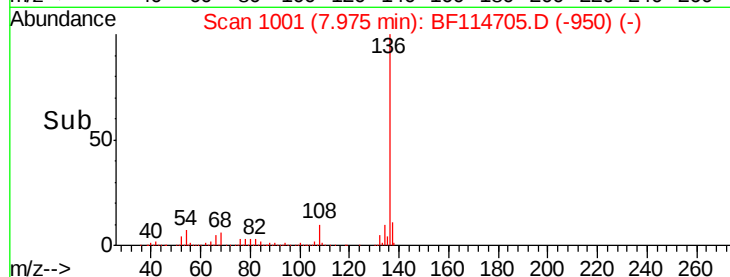
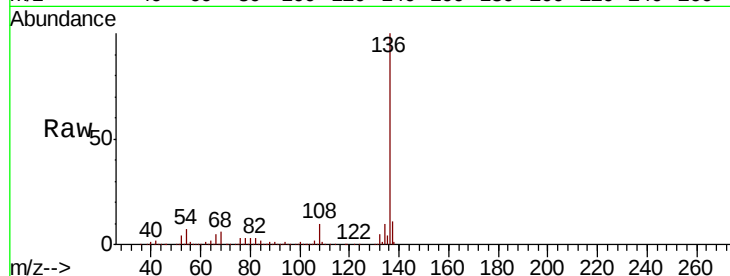




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: BF114705.D  
Acq: 31 May 2019 13:52

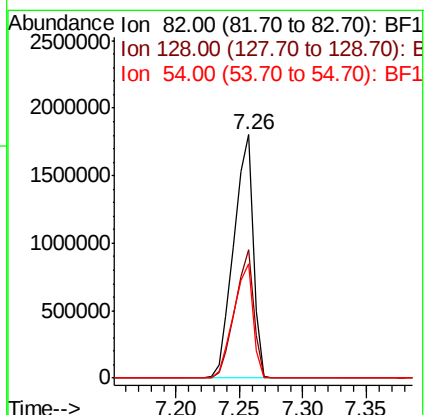
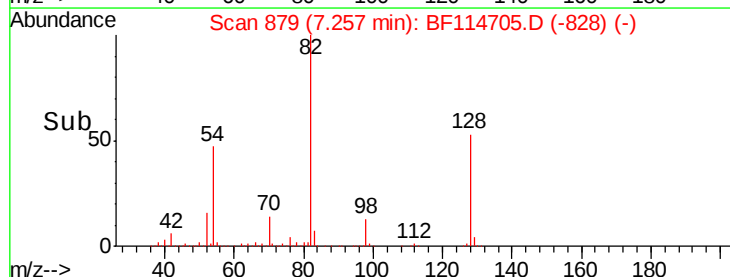
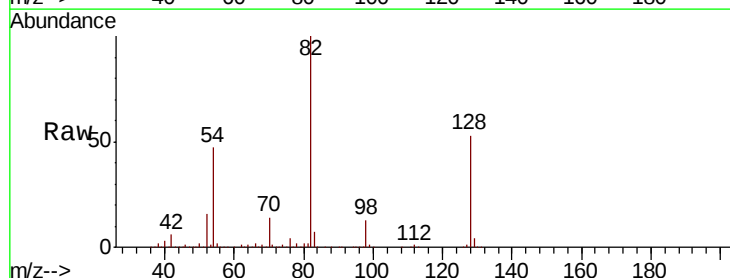
Instrument :  
BNA\_F  
ClientSampleId :  
FEQC-052119

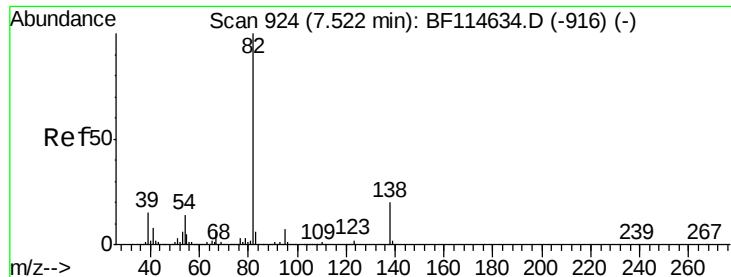
| Tgt Ion: | 136   | Resp: | 1333409 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.5  | 9.3   | 13.9    |
| 54       | 6.8   | 6.3   | 9.5     |
| 68       | 5.7   | 5.4   | 8.0     |



#23  
Nitrobenzene-d5  
Concen: 89.206 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.00 min  
Lab File: BF114705.D  
Acq: 31 May 2019 13:52

| Tgt Ion: | 82    | Resp: | 1906559 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 52.8  | 38.5  | 57.7    |
| 54       | 47.0  | 39.1  | 58.7    |





#25

Isophorone

Concen: 43.425 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

Instrument :

BNA\_F

ClientSampleId :

FEQC-052119

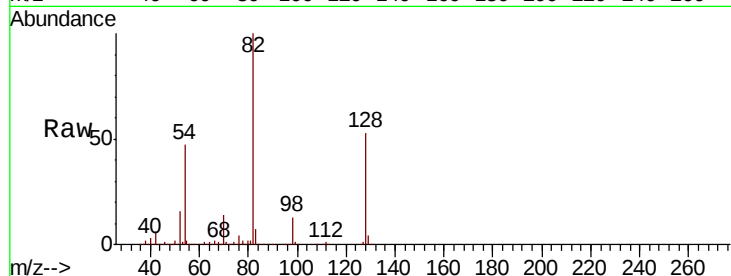
Tgt Ion: 82 Resp: 1862567

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

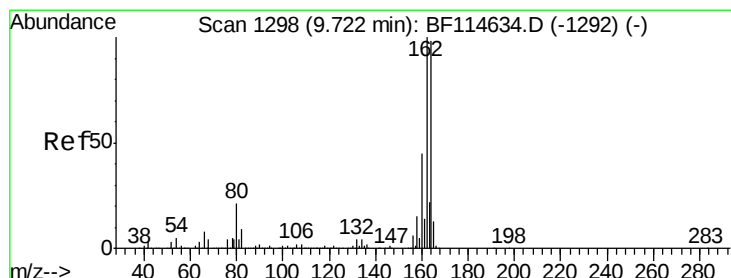
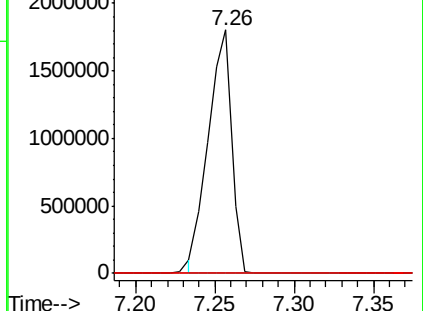
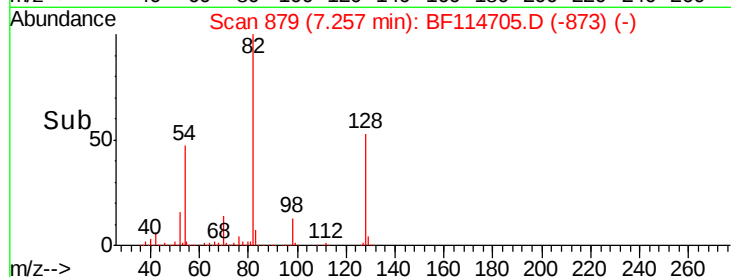
138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

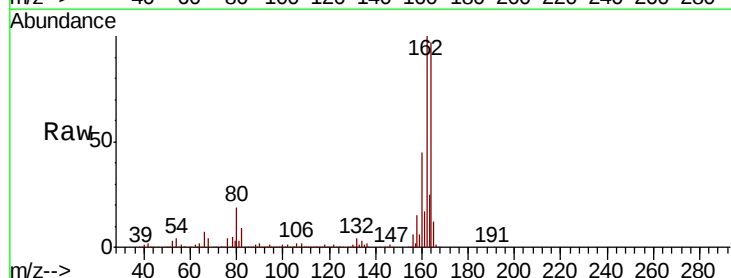
Tgt Ion: 164 Resp: 665431

Ion Ratio Lower Upper

164 100

162 102.8 81.4 122.2

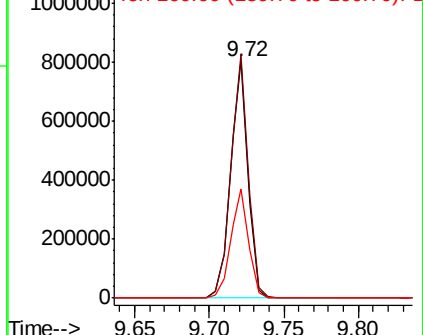
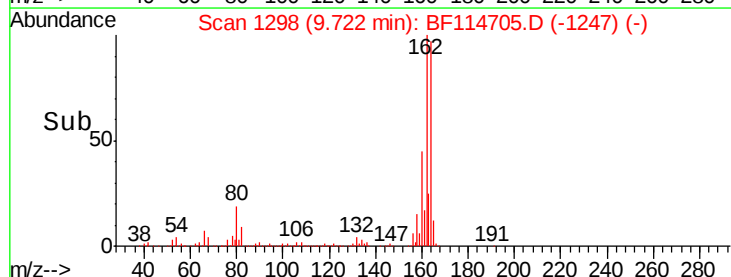
160 46.3 36.6 54.8

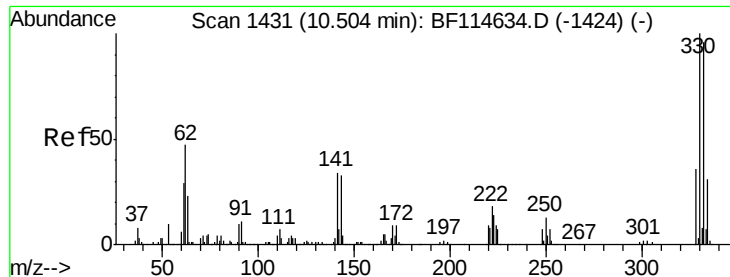


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

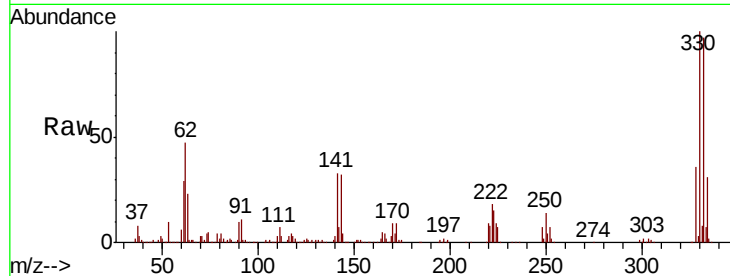




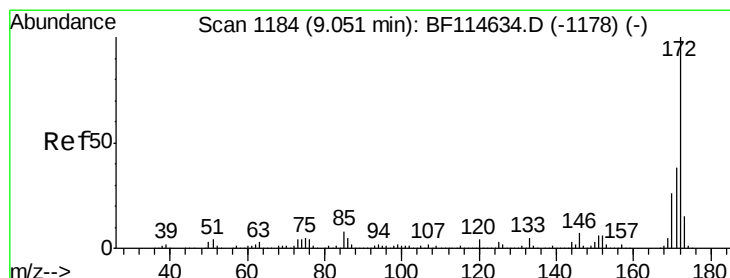
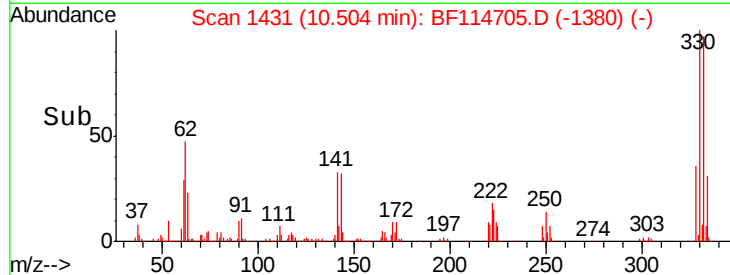
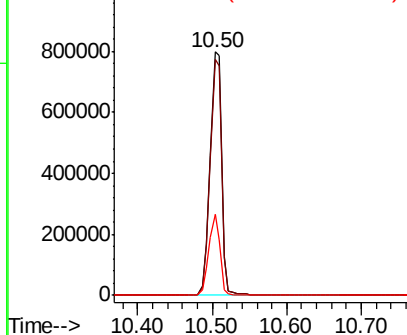
#42  
 2,4,6-Tribromophenol  
 Concen: 135.799 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.00 min  
 Lab File: BF114705.D  
 Acq: 31 May 2019 13:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FEQC-052119

Tgt Ion:330 Resp: 861035  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 75.8 113.8  
 141 32.4 27.8 41.8

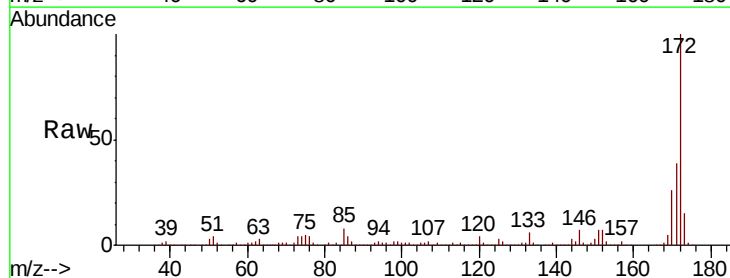


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

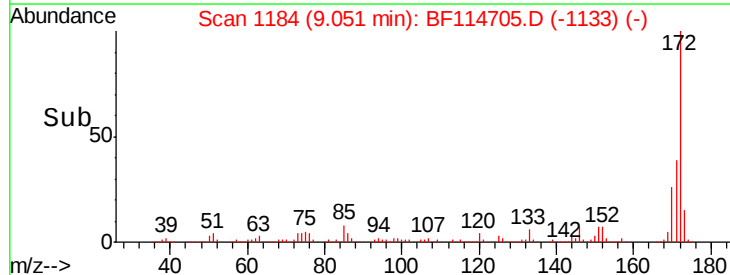
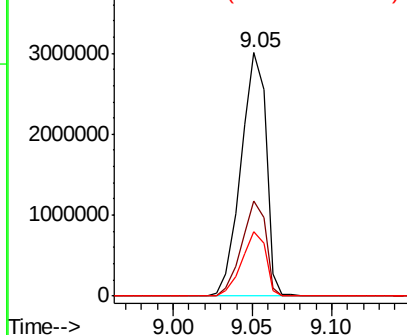


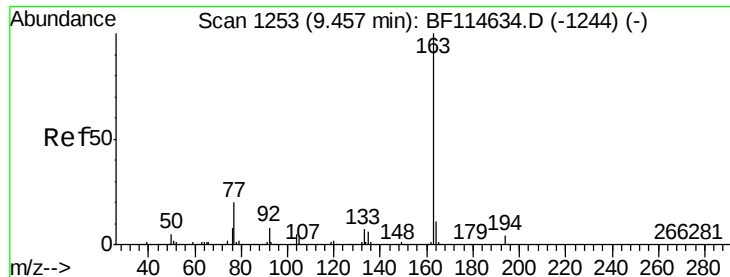
#45  
 2-Fluorobiphenyl  
 Concen: 94.961 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. 0.00 min  
 Lab File: BF114705.D  
 Acq: 31 May 2019 13:52

Tgt Ion:172 Resp: 3297441  
 Ion Ratio Lower Upper  
 172 100  
 171 39.0 30.6 45.8  
 170 26.4 20.7 31.1



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: 12.508 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

Instrument :

BNA\_F

ClientSampleId :

FEQC-052119

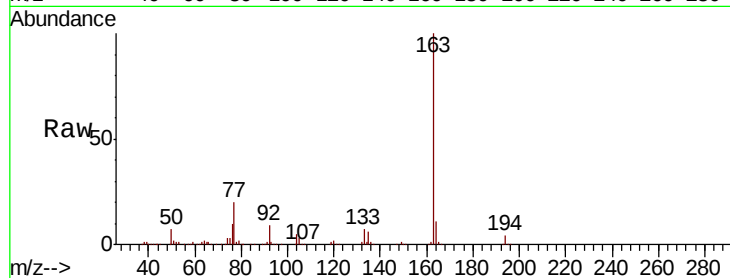
Tgt Ion:163 Resp: 579971

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

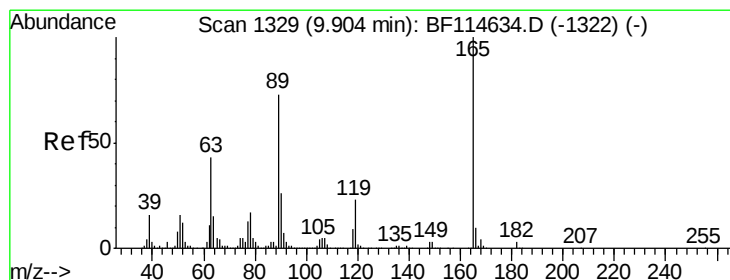
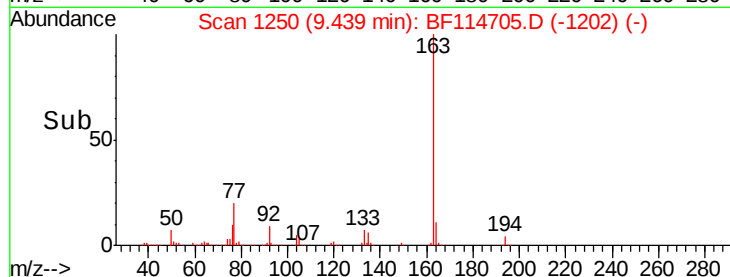
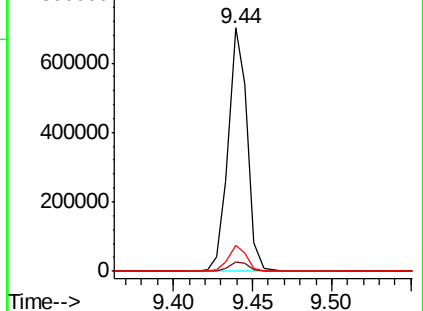
164 10.6 8.6 13.0



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



#57

2,4-Dinitrotoluene

Concen: 6.162 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.18 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

Tgt Ion:165 Resp: 85202

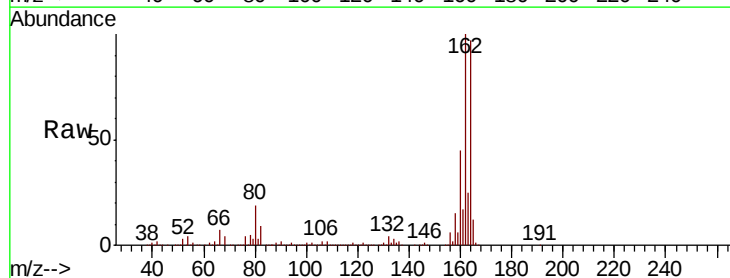
Ion Ratio Lower Upper

165 100

63 1.2 34.8 52.2#

89 1.3 58.5 87.7#

182 0.0 2.2 3.2#

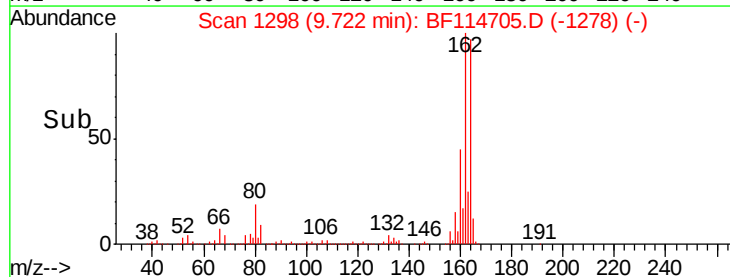
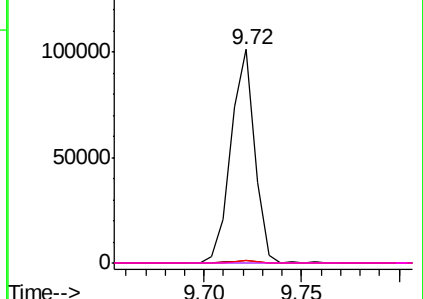


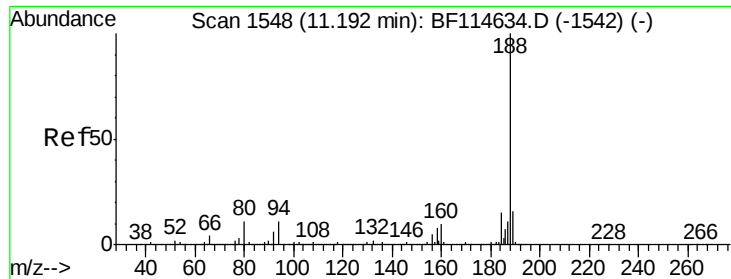
Abundance Ion 165.00 (164.70 to 165.70): E

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

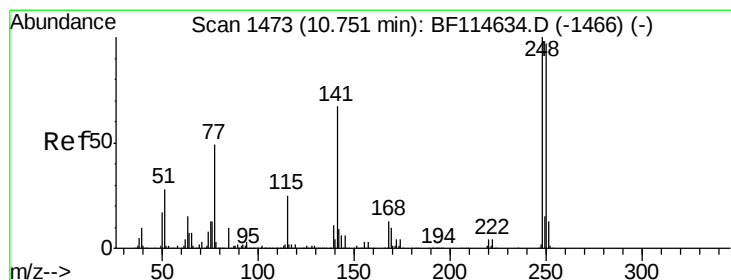
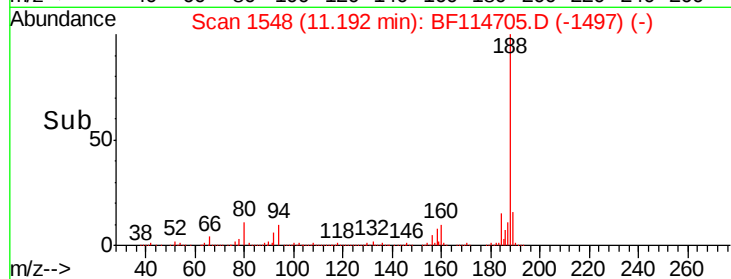
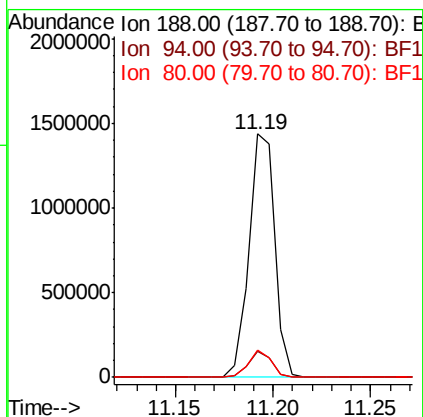
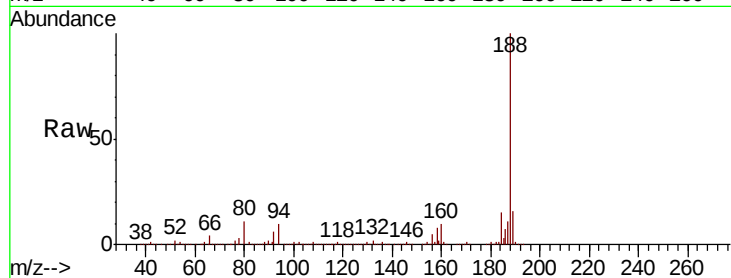




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.19 min Scan# 1548  
Delta R.T. -0.00 min  
Lab File: BF114705.D  
Acq: 31 May 2019 13:52

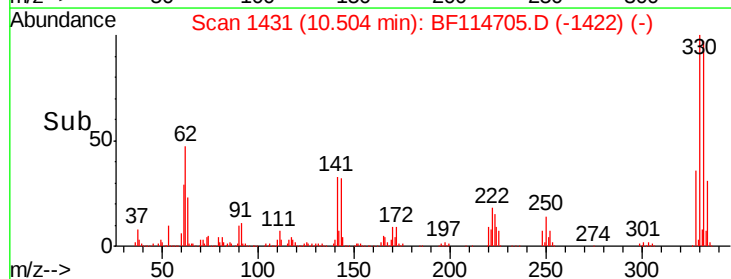
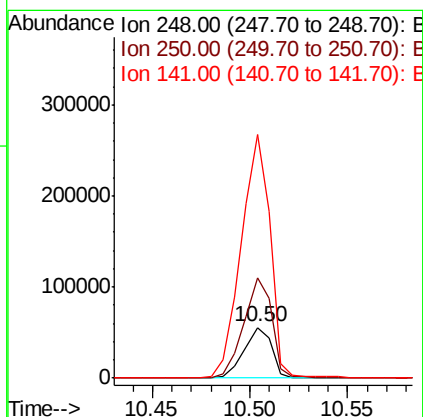
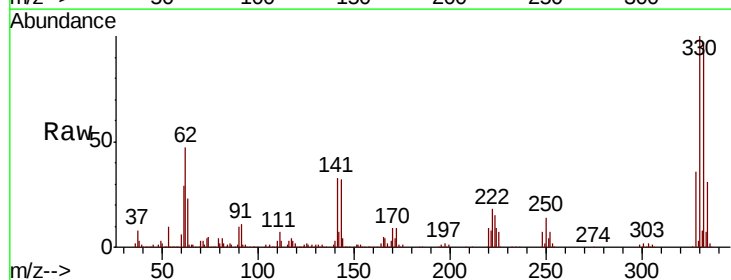
Instrument :  
BNA\_F  
ClientSampleId :  
FEQC-052119

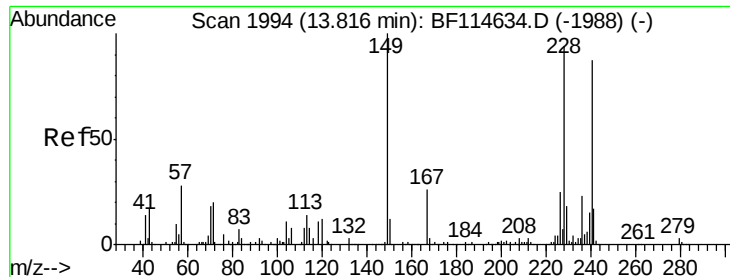
Tgt Ion:188 Resp: 1315763  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.6 13.0  
80 11.0 9.0 13.6



#67  
4-Bromophenyl-phenylether  
Concen: 3.927 ng  
RT: 10.50 min Scan# 1431  
Delta R.T. -0.25 min  
Lab File: BF114705.D  
Acq: 31 May 2019 13:52

Tgt Ion:248 Resp: 55414  
Ion Ratio Lower Upper  
248 100  
250 195.7 78.0 117.0#  
141 478.1 53.8 80.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

Instrument :

BNA\_F

ClientSampleId :

FEQC-052119

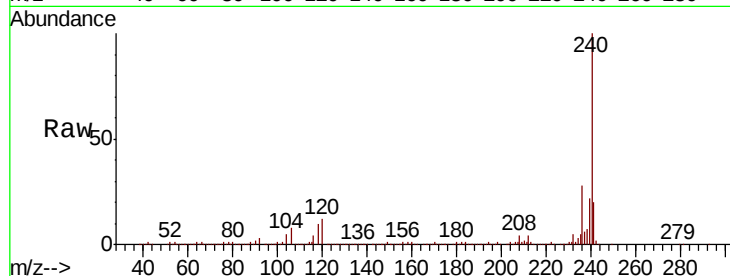
Tgt Ion:240 Resp: 1084960

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

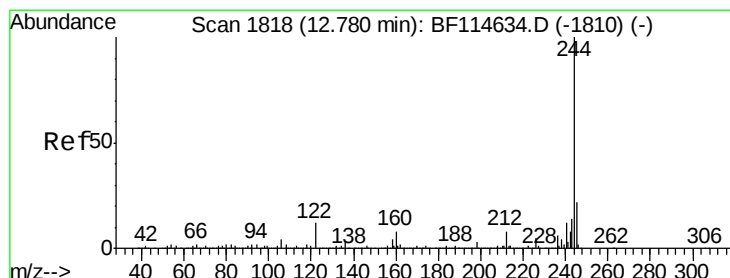
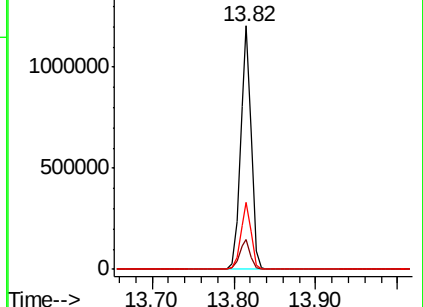
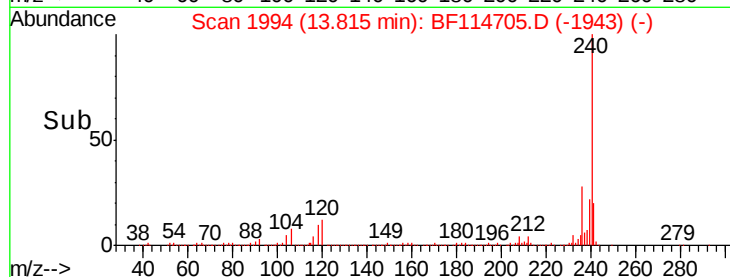
236 27.6 21.2 31.8



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: 64.809 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114705.D

Acq: 31 May 2019 13:52

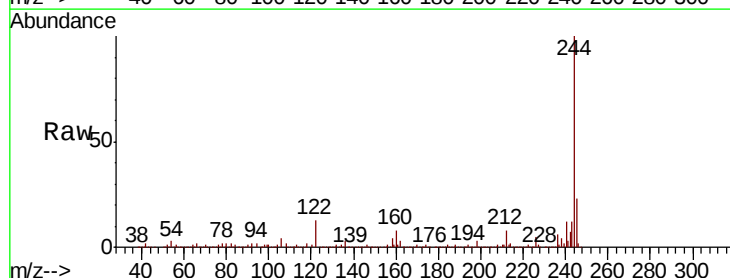
Tgt Ion:244 Resp: 3739868

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

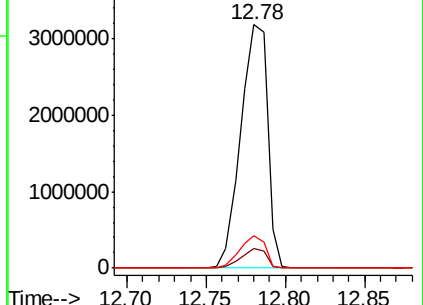
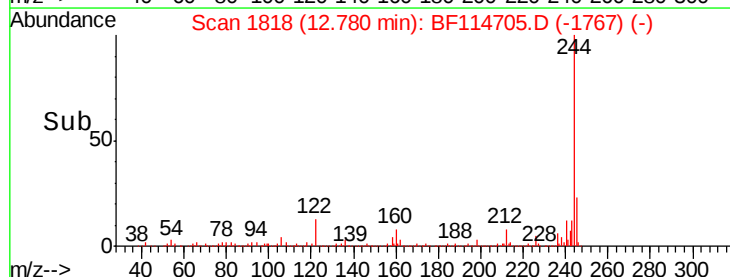
122 13.1 9.8 14.8

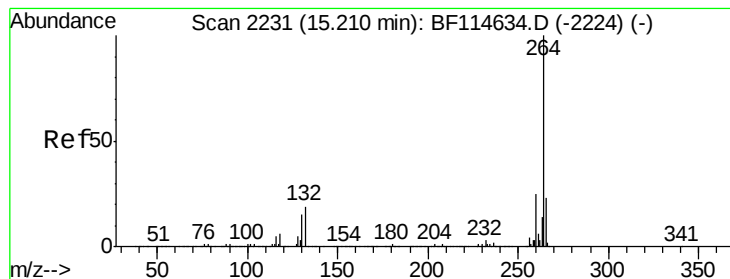


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BF114705.D

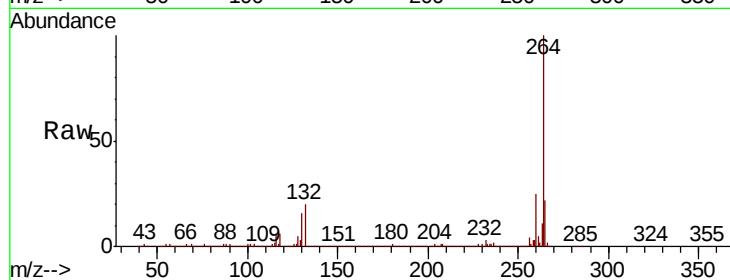
Acq: 31 May 2019 13:52

Instrument :

BNA\_F

ClientSampleId :

FEQC-052119



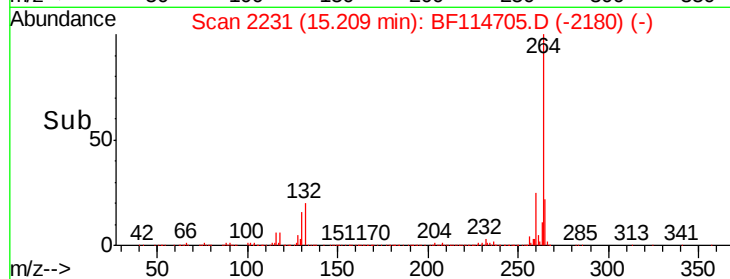
Tgt Ion:264 Resp: 1030789

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

265 21.9 18.1 27.1



Abundance Ion 264.00 (263.70 to 264.70): E

1200000 Ion 260.00 (259.70 to 260.70): E

1000000 Ion 265.00 (264.70 to 265.70): E

