

Data File : BF111479.D  
Acq On : 15 Dec 2018 20:06  
Operator : JU/SJ  
Sample : J6373-05  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-T1

Quant Time: Dec 16 00:48:17 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 14 13:26:17 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 142945   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 508112   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 249091   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.32 | 188  | 416961   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.95 | 240  | 421895   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.39 | 264  | 313627   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.42  | 112 | 805830  | 93.81 | ng | 0.00 |
| 7) Phenol-d6                | 6.44  | 99  | 1010231 | 88.41 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.35  | 82  | 574713  | 67.35 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330 | 197268  | 88.41 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.15  | 172 | 963894  | 59.77 | ng | 0.00 |
| 79) Terphenyl-d14           | 12.90 | 244 | 1064408 | 59.24 | ng | 0.00 |

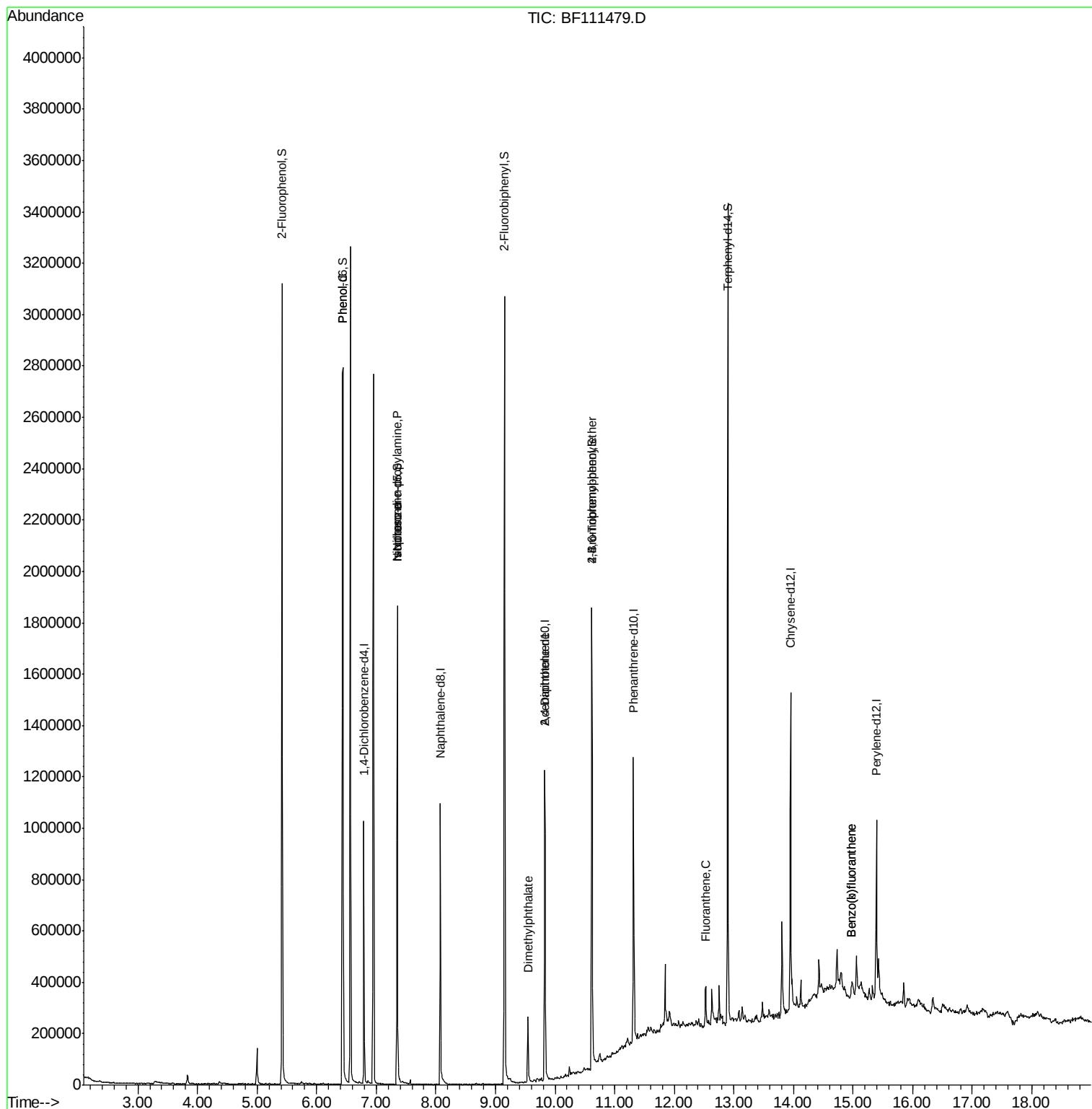
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 10) Phenol                     | 6.45  | 94  | 63220  | 4.967  | ng | 93   |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70  | 73404  | 9.737  | ng | # 79 |
| 25) Isophorone                 | 7.35  | 82  | 574709 | 39.807 | ng | # 64 |
| 50) Dimethylphthalate          | 9.55  | 163 | 117275 | 6.537  | ng | 97   |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165 | 31242  | 5.895  | ng | # 25 |
| 67) 4-Bromophenyl-phenylether  | 10.62 | 248 | 12667  | 2.819  | ng | # 1  |
| 75) Fluoranthene               | 12.53 | 202 | 66265  | 3.153  | ng | 96   |
| 88) Benzo(b)fluoranthene       | 14.98 | 252 | 38285  | 2.094  | ng | # 79 |
| 89) Benzo(k)fluoranthene       | 14.98 | 252 | 38285  | 2.191  | ng | # 78 |

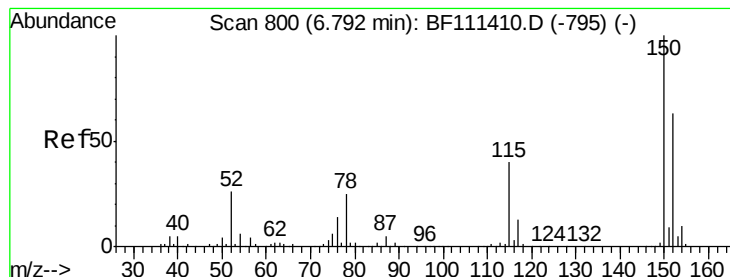
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111479.D

Acq: 15 Dec 2018 20:06

Instrument :

BNA\_F

ClientSampleId :

TP-T1

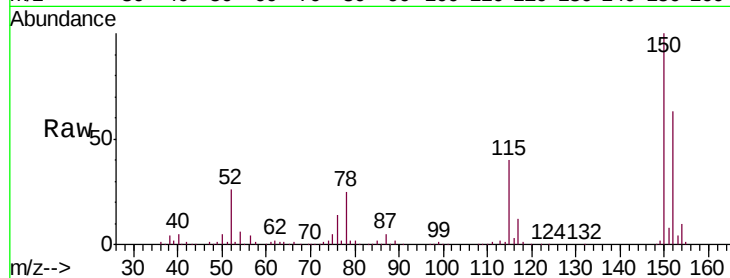
Tgt Ion:152 Resp: 142945

Ion Ratio Lower Upper

152 100

150 158.5 126.6 189.8

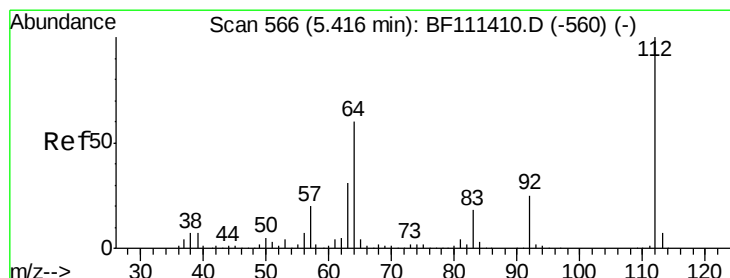
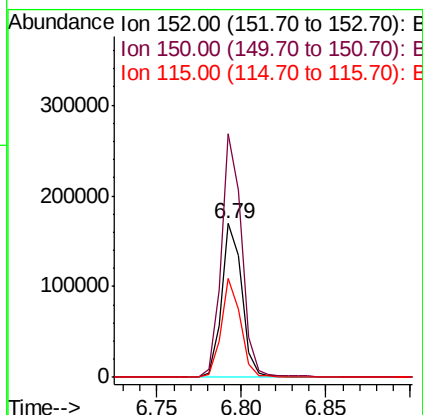
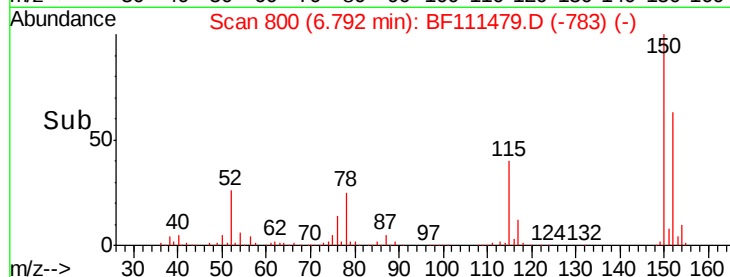
115 64.1 50.7 76.1



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: 93.809 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111479.D

Acq: 15 Dec 2018 20:06

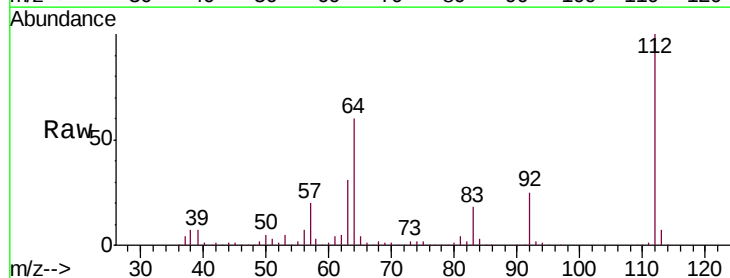
Tgt Ion:112 Resp: 805830

Ion Ratio Lower Upper

112 100

64 59.7 51.8 77.6

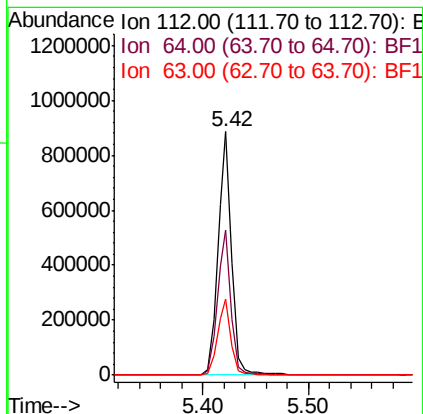
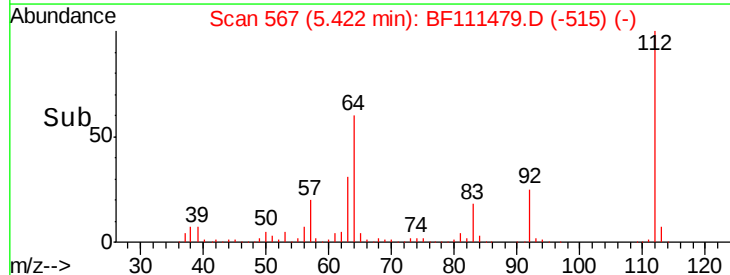
63 31.2 26.8 40.2

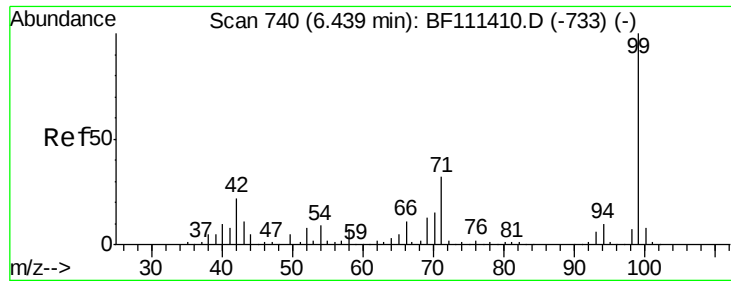


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.412 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111479.D

Acq: 15 Dec 2018 20:06

Instrument :

BNA\_F

ClientSampleId :

TP-T1

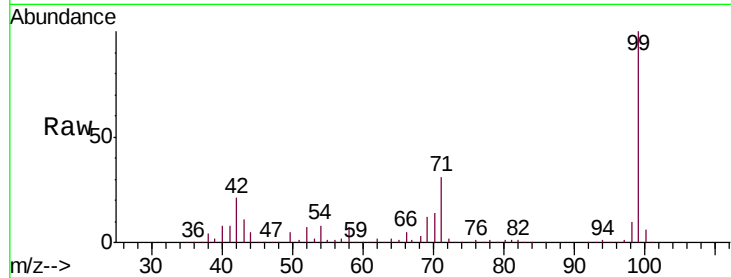
Tgt Ion: 99 Resp: 1010231

Ion Ratio Lower Upper

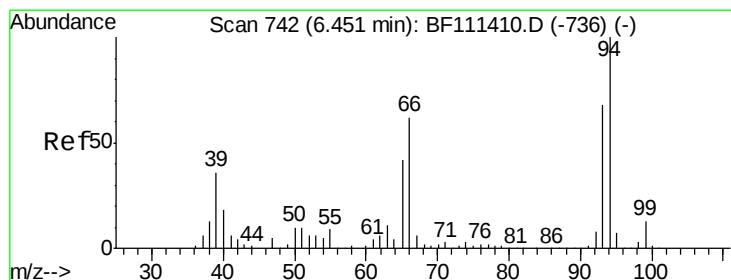
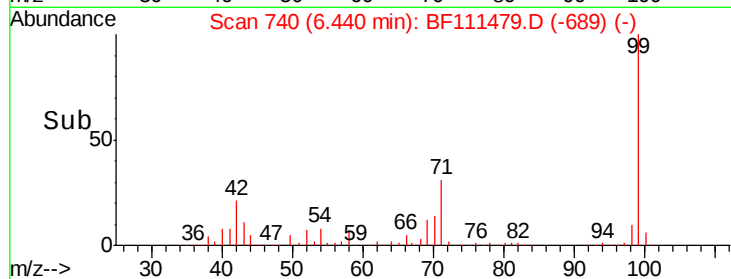
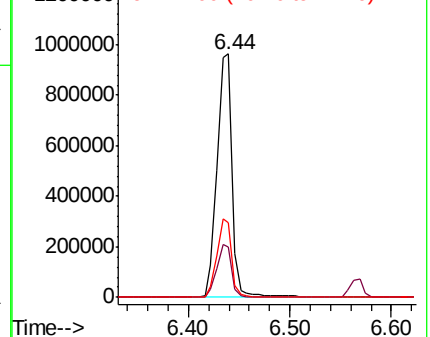
99 100

42 20.6 17.4 26.0

71 30.5 26.1 39.1



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



#10

Phenol

Concen: 4.967 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

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Acq: 15 Dec 2018 20:06

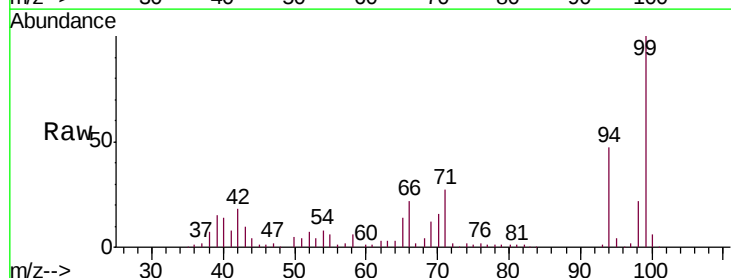
Tgt Ion: 94 Resp: 63220

Ion Ratio Lower Upper

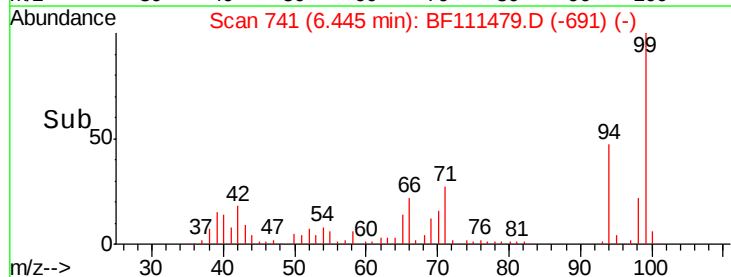
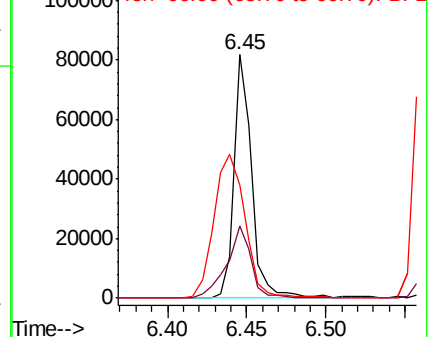
94 100

65 29.4 11.7 51.7

66 46.3 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

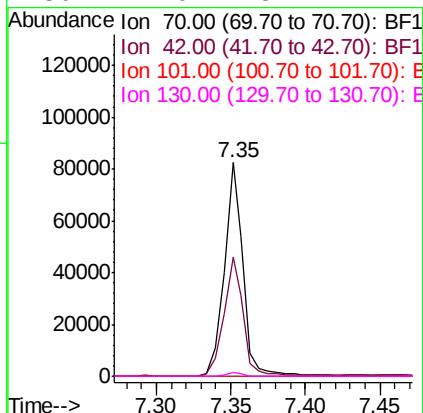
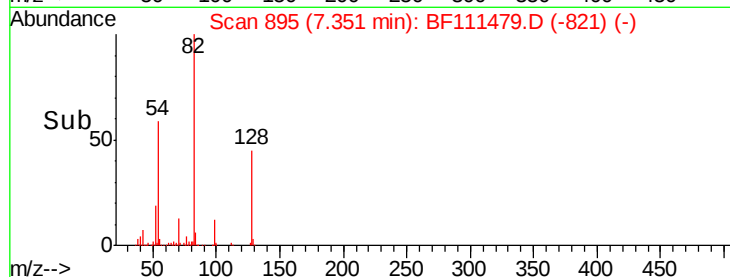
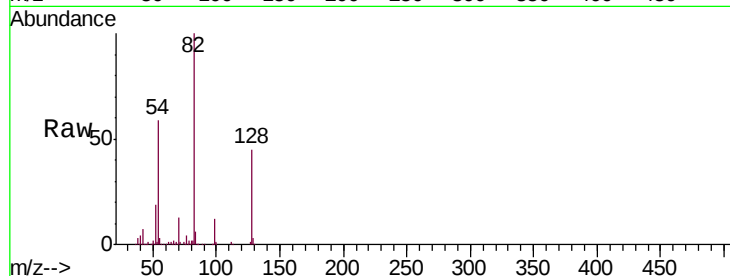




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.737 ng  
RT: 7.35 min Scan# 895  
Delta R.T. 0.14 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

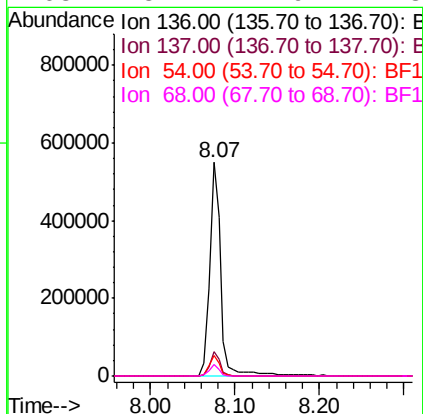
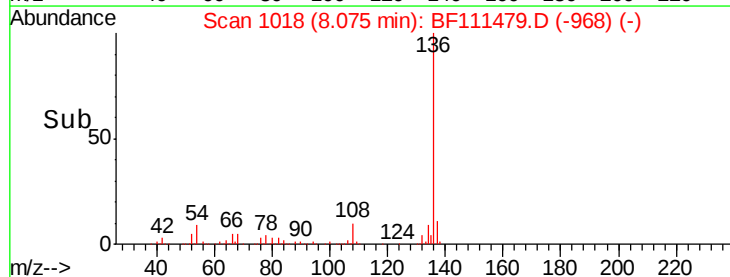
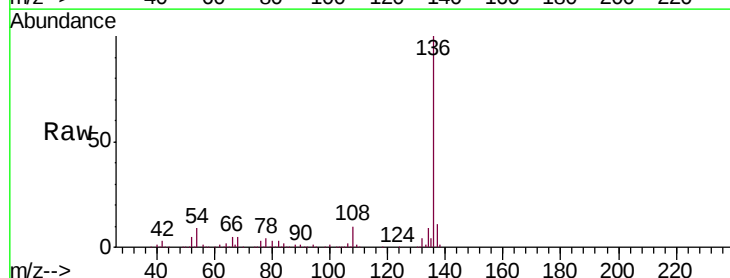
Instrument :  
BNA\_F  
ClientSampleId :  
TP-T1

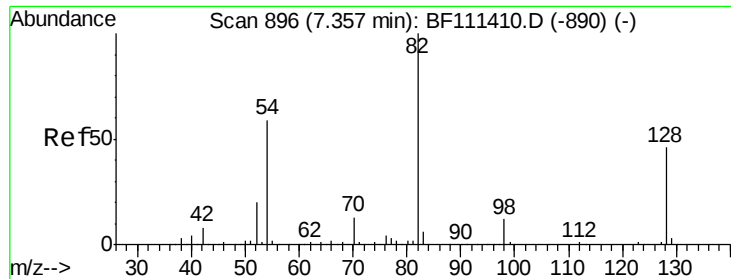
Tgt Ion: 70 Resp: 73404  
Ion Ratio Lower Upper  
70 100  
42 55.8 53.2 79.8  
101 0.0 8.2 12.4#  
130 2.0 18.1 27.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Tgt Ion: 136 Resp: 508112  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.1 13.7  
54 9.4 7.7 11.5  
68 5.4 4.9 7.3

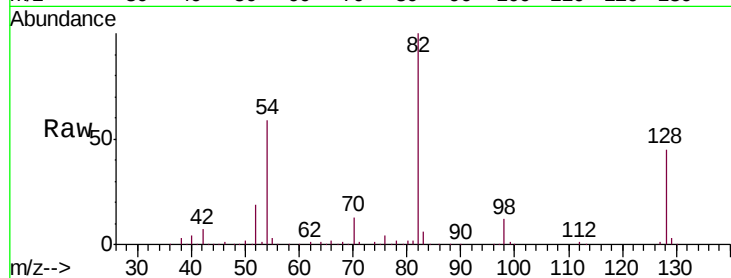




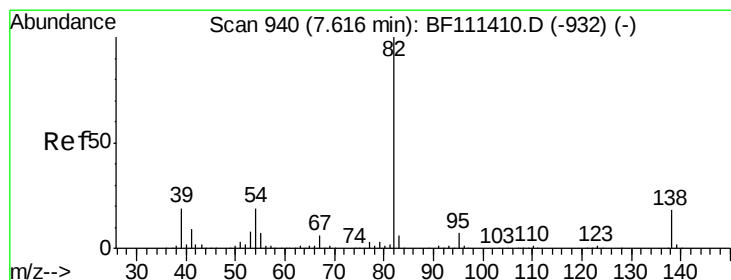
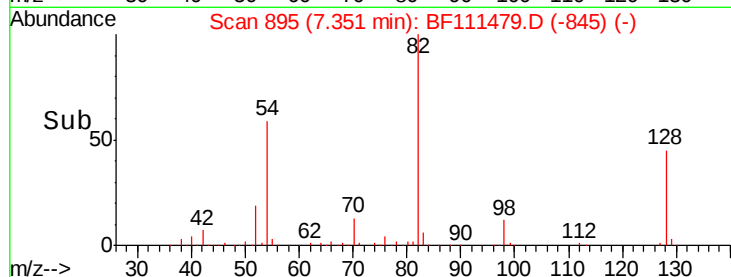
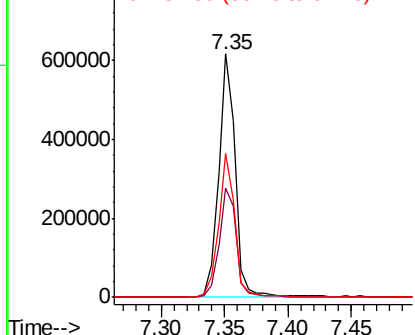
#23  
 Nitrobenzene-d5  
 Concen: 67.354 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.01 min  
 Lab File: BF111479.D  
 Acq: 15 Dec 2018 20:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-T1

Tgt Ion: 82 Resp: 574713  
 Ion Ratio Lower Upper  
 82 100  
 128 45.0 37.4 56.2  
 54 58.8 47.6 71.4

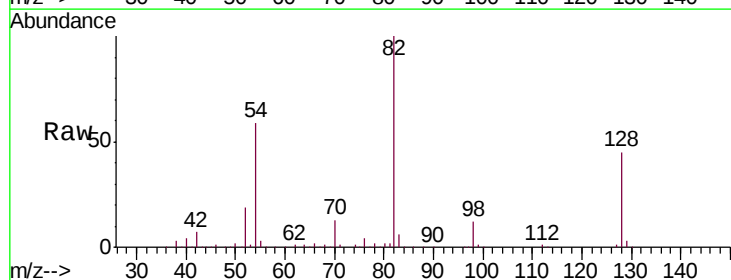


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

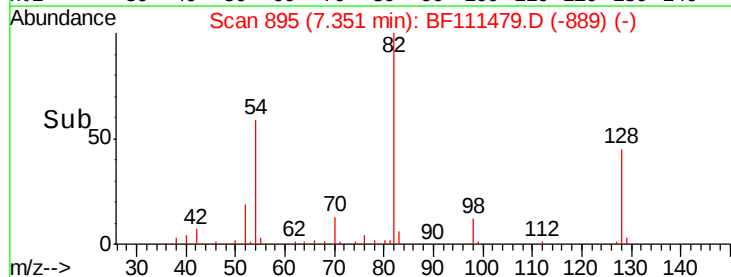
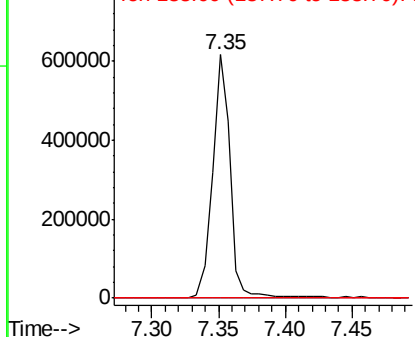


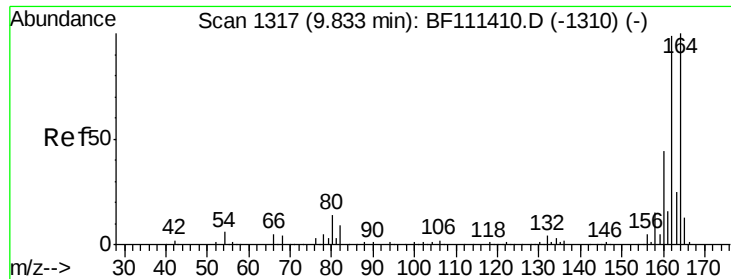
#25  
 Isophorone  
 Concen: 39.807 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.26 min  
 Lab File: BF111479.D  
 Acq: 15 Dec 2018 20:06

Tgt Ion: 82 Resp: 574709  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.4 8.2#  
 138 0.0 15.1 22.7#



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

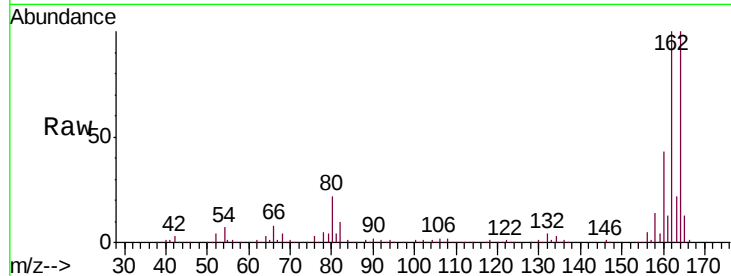




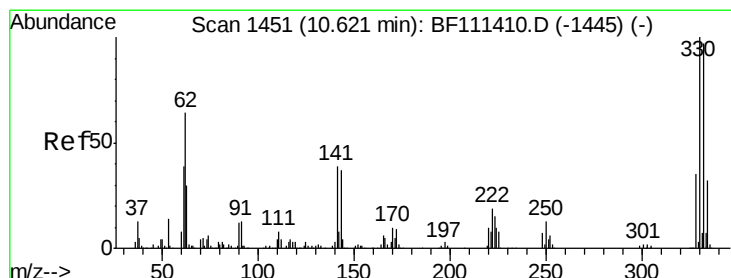
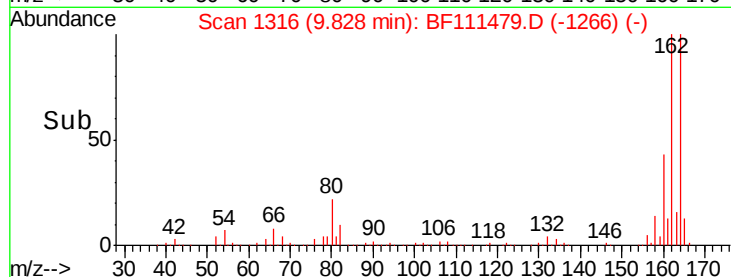
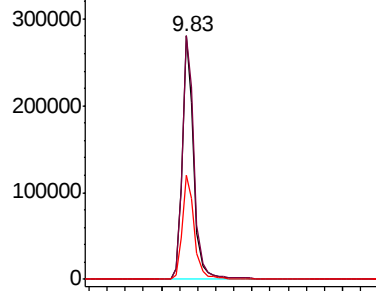
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Instrument :  
BNA\_F  
ClientSampleId :  
TP-T1

Tgt Ion:164 Resp: 249091  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.4 122.0  
160 43.0 35.7 53.5

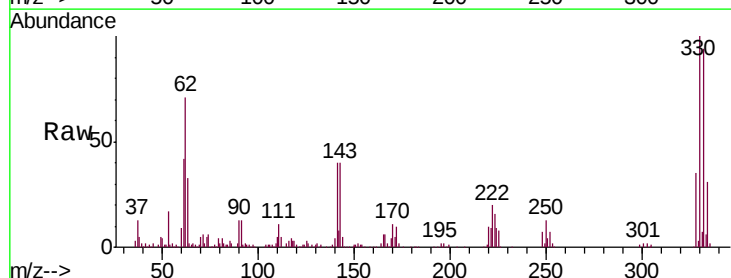


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

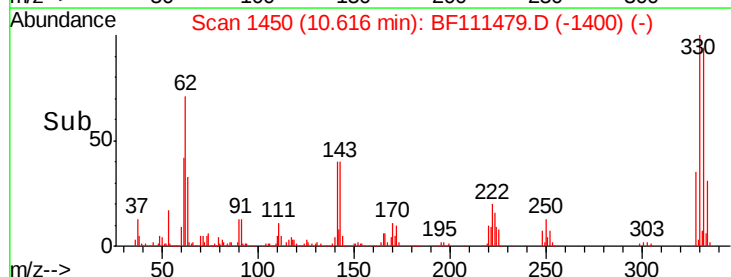
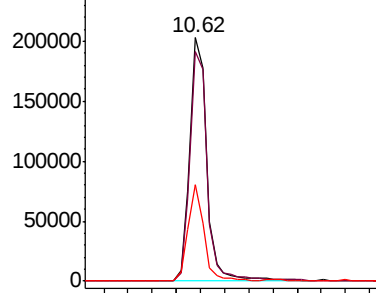


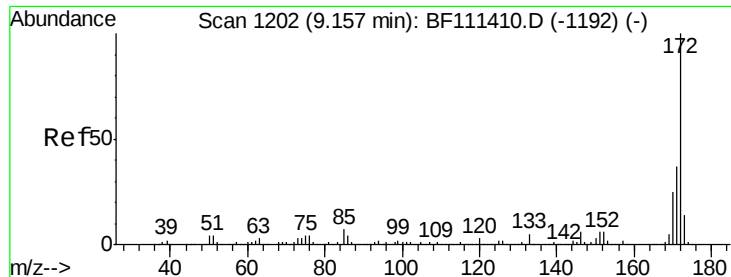
#42  
2,4,6-Tribromophenol  
Concen: 88.408 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Tgt Ion:330 Resp: 197268  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.0 114.0  
141 36.2 31.0 46.6



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

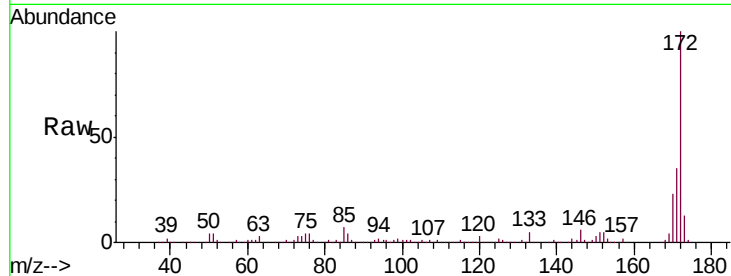




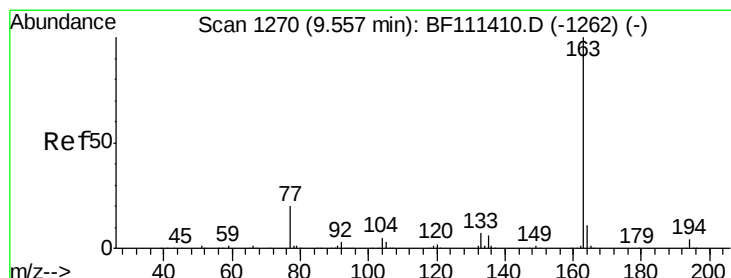
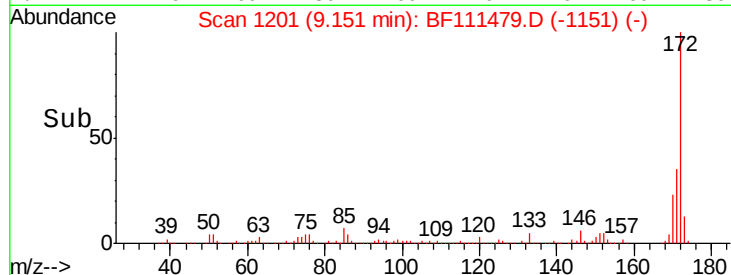
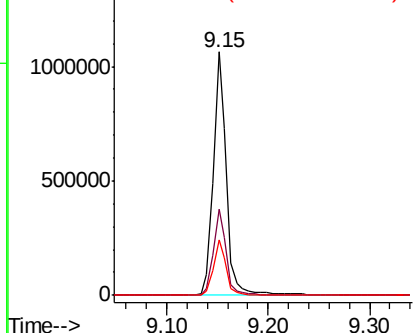
#45  
2-Fluorobiphenyl  
Concen: 59.772 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.01 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Instrument :  
BNA\_F  
ClientSampled :  
TP-T1

Tgt Ion:172 Resp: 963894  
Ion Ratio Lower Upper  
172 100  
171 35.5 33.0 49.4  
170 22.8 22.3 33.5

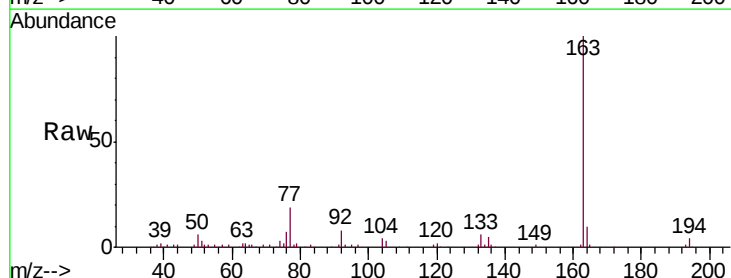


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

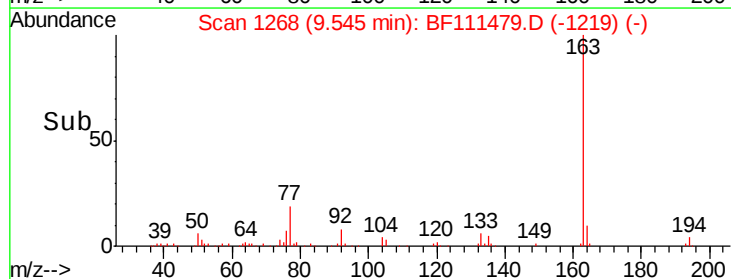
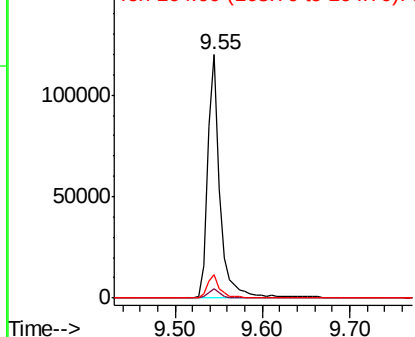


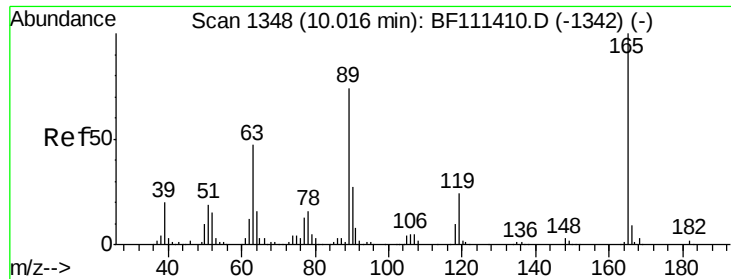
#50  
Dimethylphthalate  
Concen: 6.537 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Tgt Ion:163 Resp: 117275  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.6  
164 9.6 8.9 13.3



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

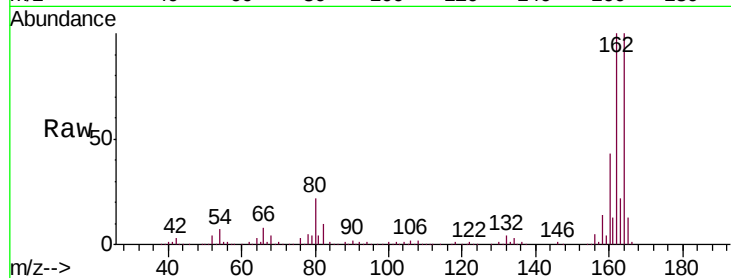




#57  
2,4-Dinitrotoluene  
Concen: 5.895 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.19 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Instrument :  
BNA\_F  
ClientSampled :  
TP-T1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 34.6  | 52.0# |
| 89      | 1.9   | 56.2  | 84.4# |
| 182     | 0.0   | 1.8   | 2.6#  |



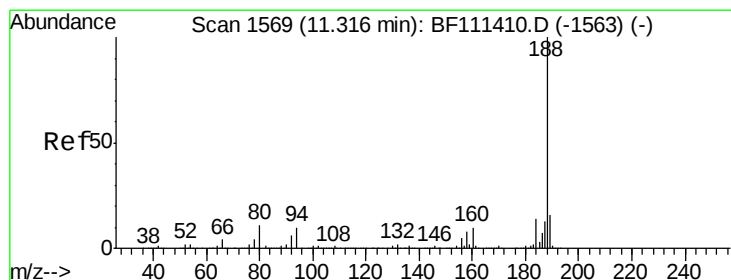
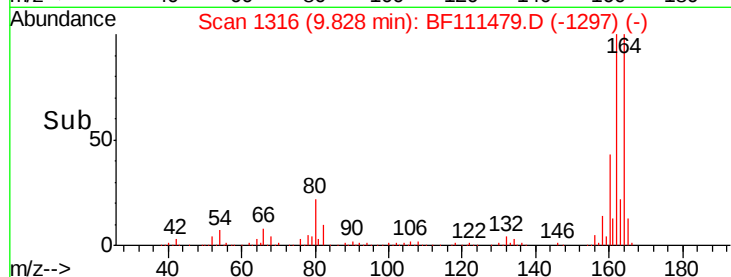
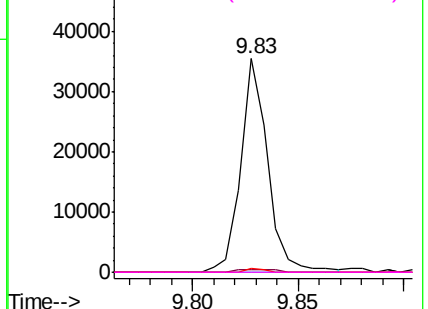
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

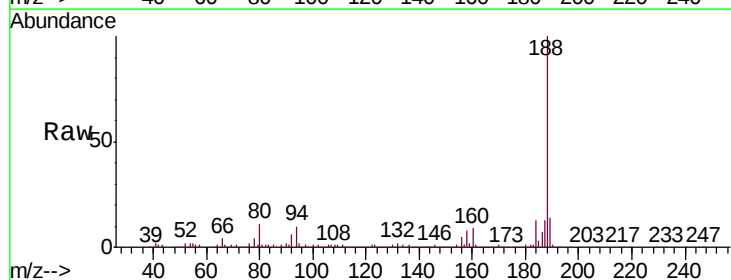
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.3  | 9.6   | 14.4  |
| 80      | 10.7  | 9.8   | 14.6  |

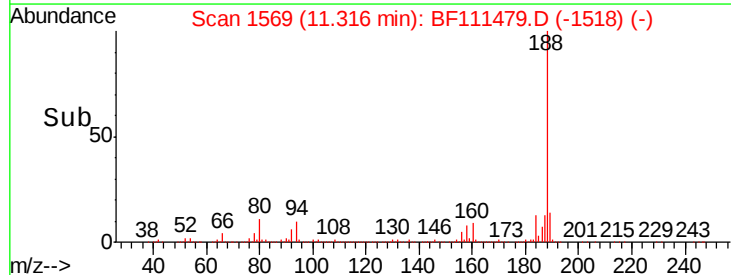
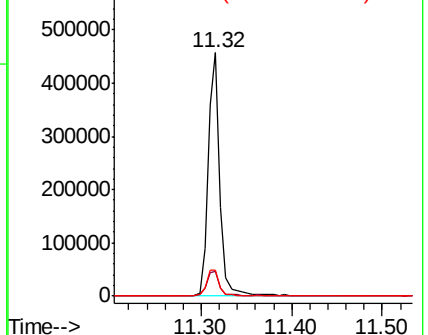


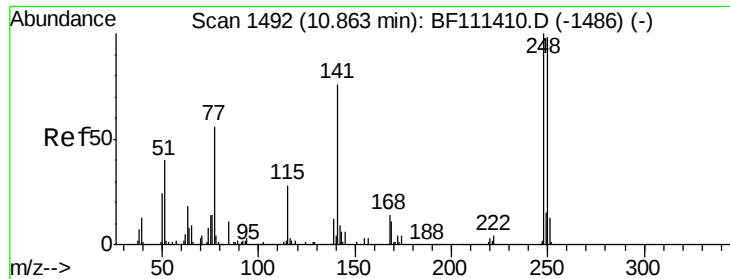
Abundance

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

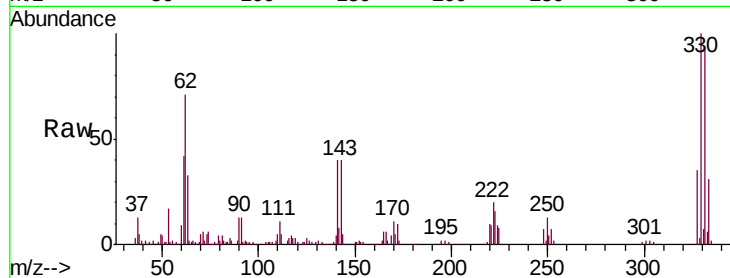




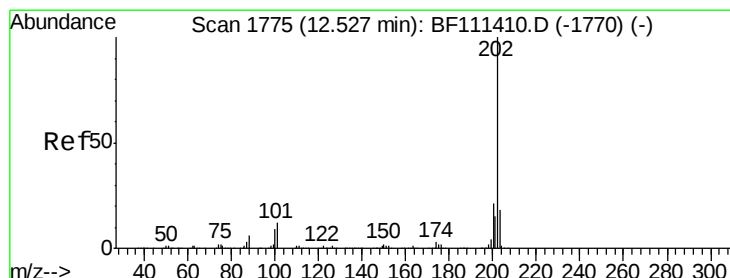
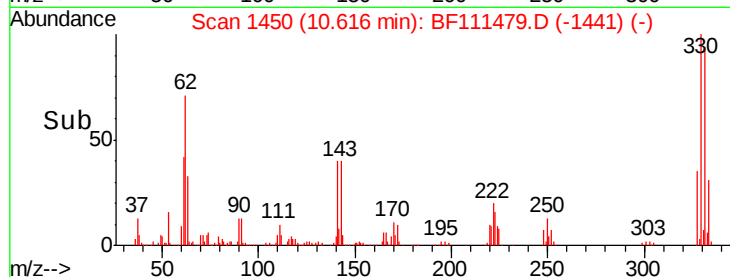
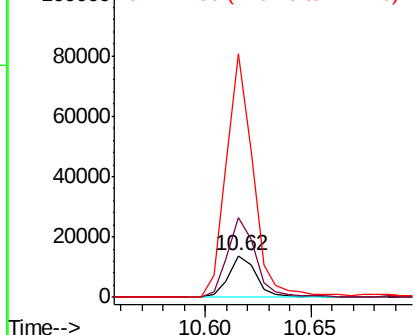
#67  
4-Bromophenyl-phenylether  
Concen: 2.819 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.25 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Instrument :  
BNA\_F  
ClientSampleId :  
TP-T1

Tgt Ion:248 Resp: 12667  
Ion Ratio Lower Upper  
248 100  
250 193.6 77.0 115.4#  
141 586.3 63.0 94.6#

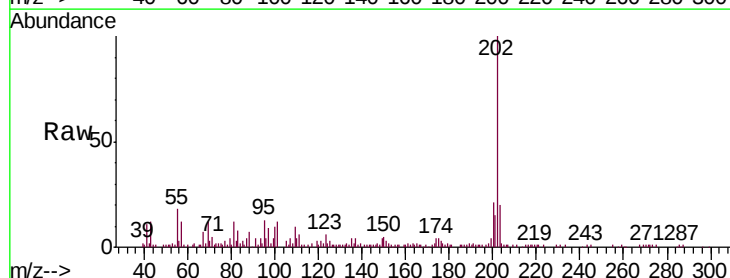


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

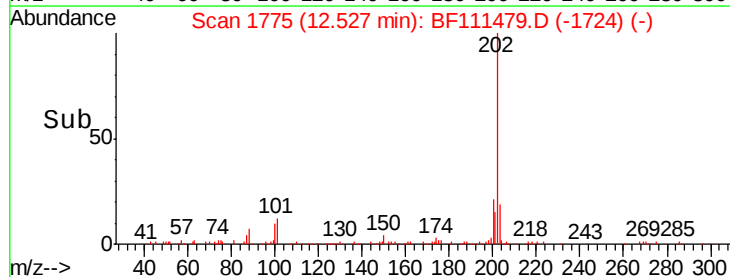
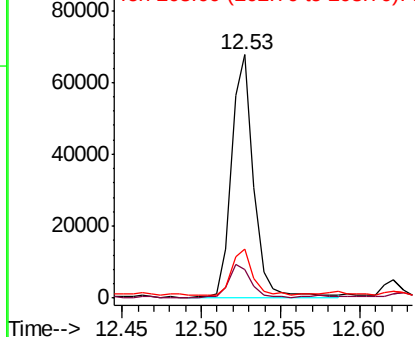


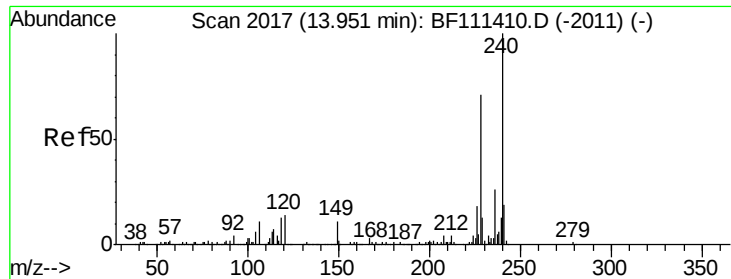
#75  
Fluoranthene  
Concen: 3.153 ng  
RT: 12.53 min Scan# 1775  
Delta R.T. 0.00 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Tgt Ion:202 Resp: 66265  
Ion Ratio Lower Upper  
202 100  
101 11.8 0.0 33.8  
203 20.0 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

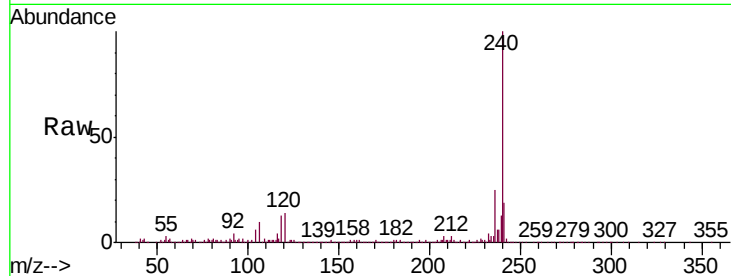




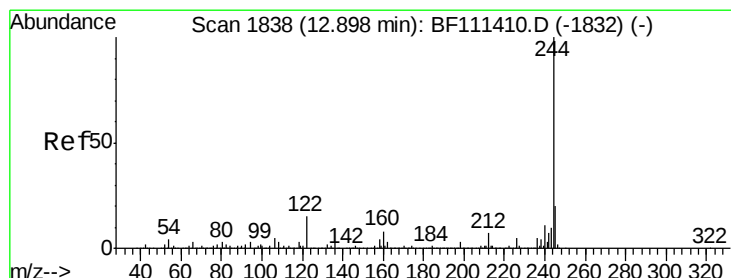
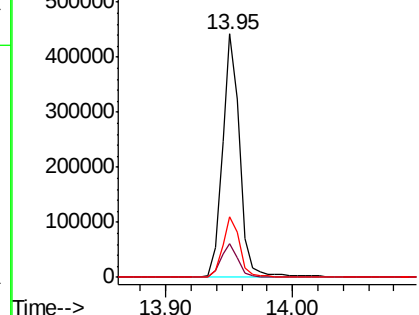
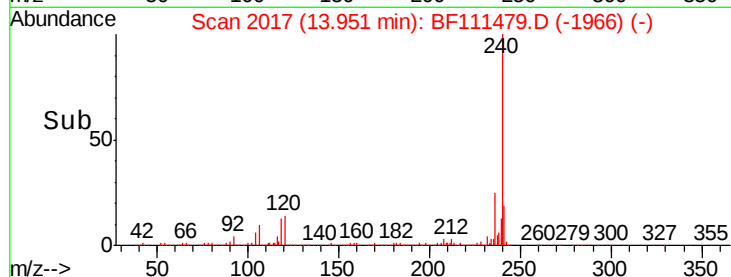
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.95 min Scan# 2017  
Delta R.T. 0.00 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Instrument :  
BNA\_F  
ClientSampleId :  
TP-T1

Tgt Ion:240 Resp: 421895  
Ion Ratio Lower Upper  
240 100  
120 14.1 12.2 18.2  
236 25.0 20.2 30.2

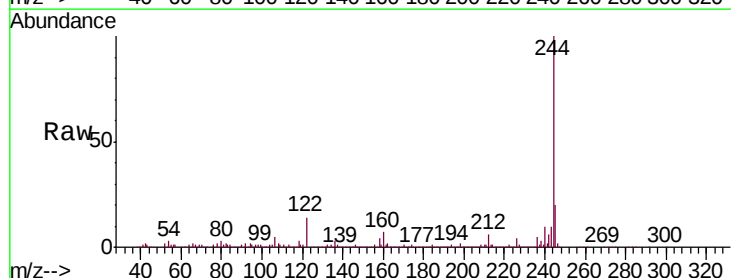


Abundance Ion 240.00 (239.70 to 240.70): E  
600000  
Ion 120.00 (119.70 to 120.70): E  
500000  
Ion 236.00 (235.70 to 236.70): E

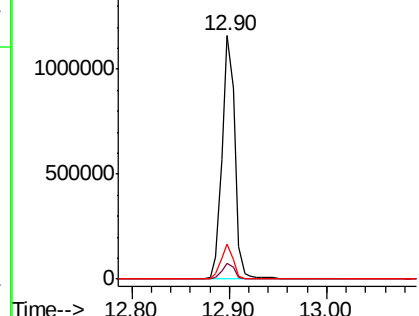
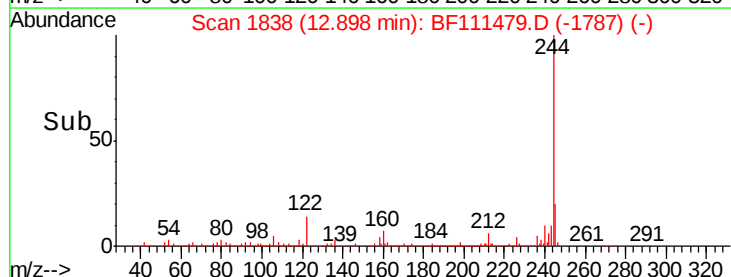


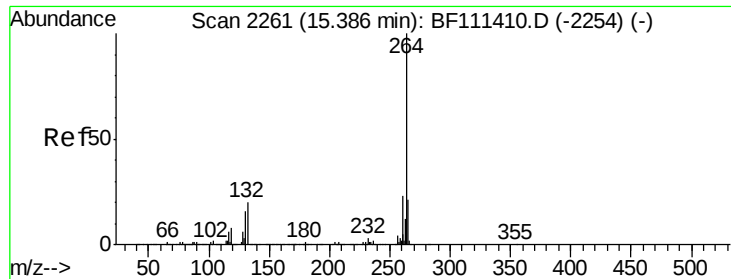
#79  
Terphenyl-d14  
Concen: 59.244 ng  
RT: 12.90 min Scan# 1838  
Delta R.T. 0.00 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Tgt Ion:244 Resp: 1064408  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.7 8.5  
122 14.3 13.1 19.7



Abundance Ion 244.00 (243.70 to 244.70): E  
1500000  
Ion 212.00 (211.70 to 212.70): E  
1000000  
Ion 122.00 (121.70 to 122.70): E

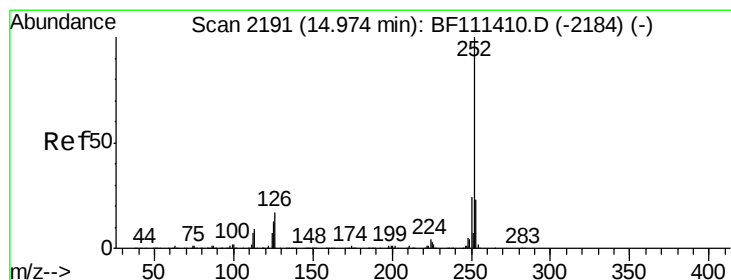
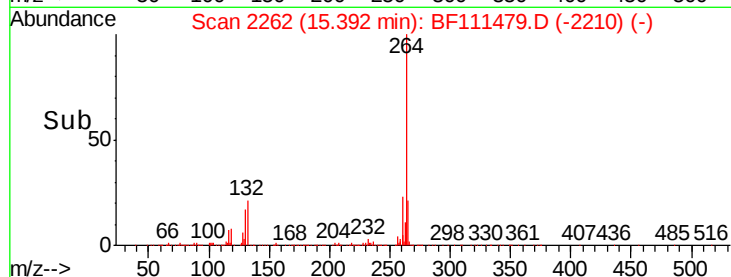
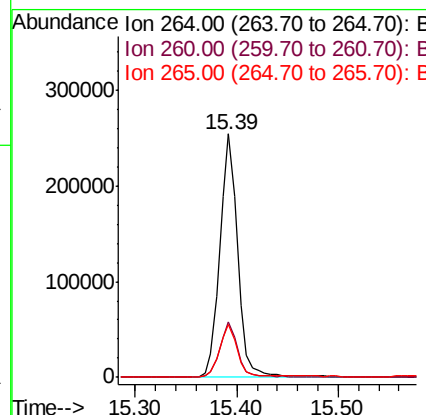
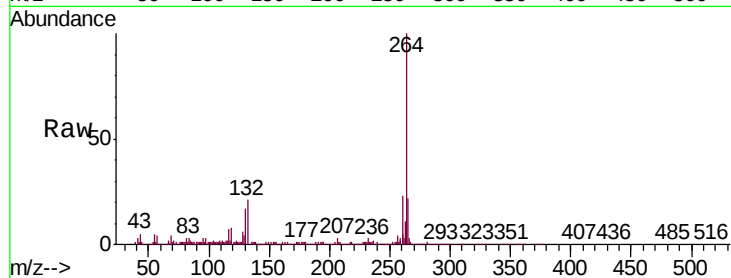




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.39 min Scan# 2262  
Delta R.T. 0.01 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

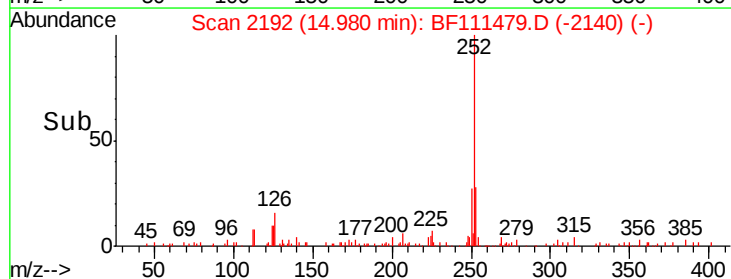
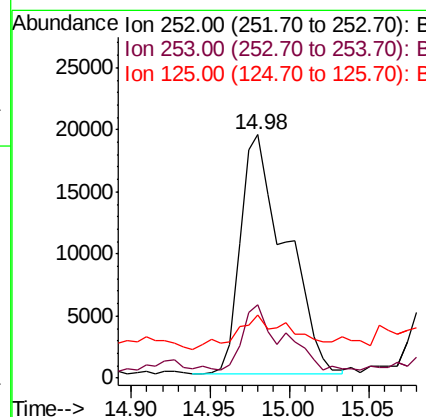
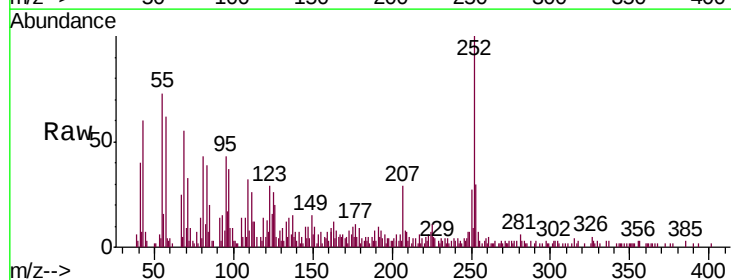
Instrument :  
BNA\_F  
ClientSampleId :  
TP-T1

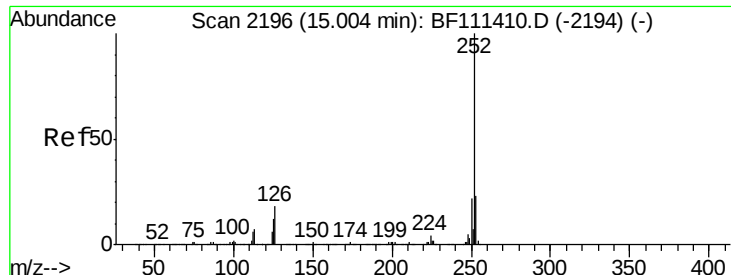
Tgt Ion:264 Resp: 313627  
Ion Ratio Lower Upper  
264 100  
260 22.7 18.3 27.5  
265 21.6 17.7 26.5



#88  
Benzo(b)fluoranthene  
Concen: 2.094 ng  
RT: 14.98 min Scan# 2192  
Delta R.T. 0.01 min  
Lab File: BF111479.D  
Acq: 15 Dec 2018 20:06

Tgt Ion:252 Resp: 38285  
Ion Ratio Lower Upper  
252 100  
253 30.0 18.2 27.2#  
125 25.8 10.4 15.6#





#89

Benzo(k)fluoranthene

Concen: 2.191 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BF111479.D

Acq: 15 Dec 2018 20:06

Instrument :

BNA\_F

ClientSampleId :

TP-T1

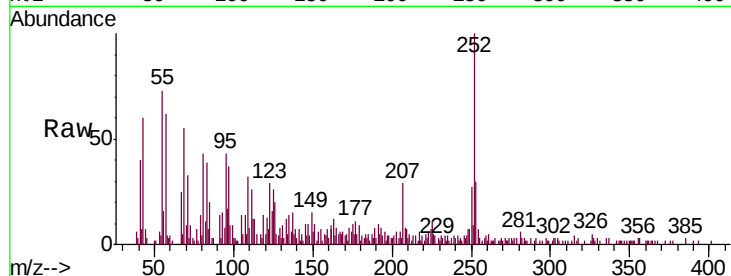
Tgt Ion:252 Resp: 38285

Ion Ratio Lower Upper

252 100

253 30.0 18.1 27.1#

125 25.8 9.8 14.8#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

