

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\  
 Data File : BF112842.D  
 Acq On : 5 Mar 2019 2:41  
 Operator : JU/SJ  
 Sample : K1649-01DL 10X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRE-INTERIOR-WALLDL

Quant Time: Mar 05 04:29:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 15:40:43 2019  
 Response via : Initial Calibration

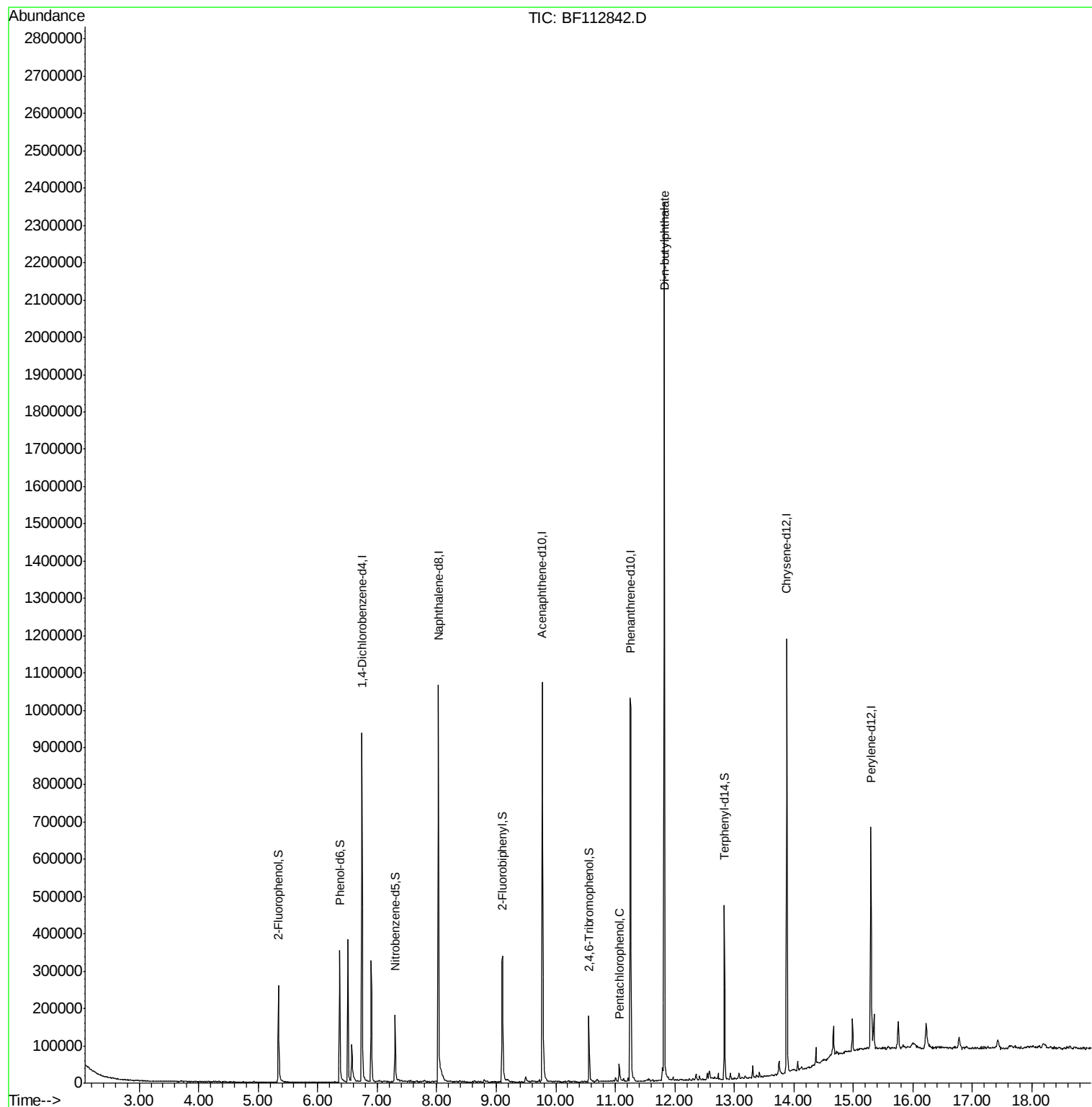
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 136627   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.03  | 136  | 539794   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 9.77  | 164  | 242475   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 11.25 | 188  | 454858   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 13.88 | 240  | 385247   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 15.29 | 264  | 296043   | 20.00  | ng    | 0.02        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.35  | 112  | 92094    | 10.49  | ng    | 0.00        |
| 7) Phenol-d6                | 6.37  | 99   | 127743   | 11.58  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 67364    | 7.47   | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 29246    | 11.36  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 152869   | 7.14   | ng    | 0.00        |
| 79) Terphenyl-d14           | 12.83 | 244  | 157644   | 7.93   | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 70) Pentachlorophenol       | 11.07 | 266  | 9713     | 3.056  | ng    | Qvalue # 84 |
| 74) Di-n-butylphthalate     | 11.82 | 149  | 1162103  | 41.939 | ng    | 100         |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 01 15:40:43 2019  
Response via : Initial Calibration



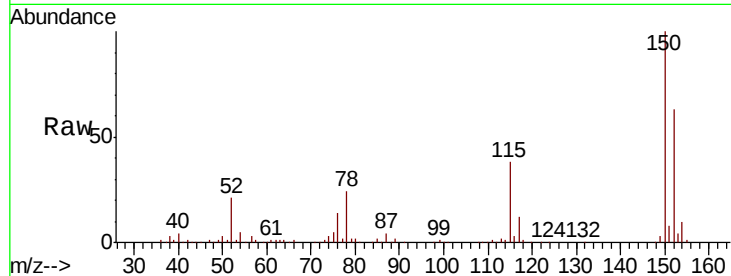


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: BF112842.D  
Acq: 5 Mar 2019 2:41

Instrument :  
BNA\_F  
ClientSampleId :  
TRE-INTERIOR-WALLDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.4 | 124.2 | 186.2 |
| 115     | 60.1  | 48.2  | 72.4  |

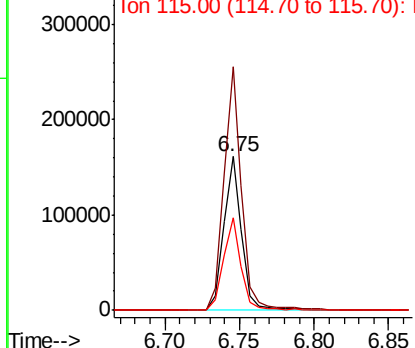
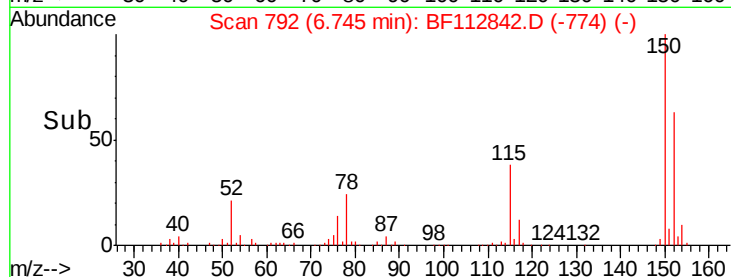


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

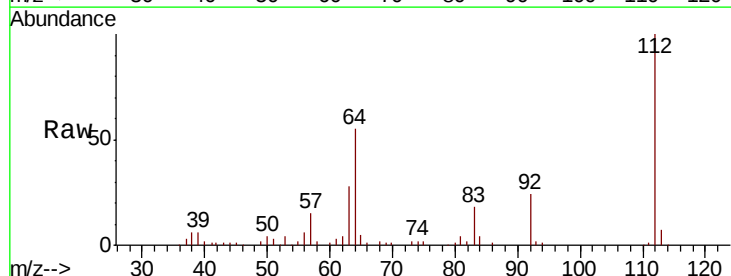
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 10.485 ng  
RT: 5.35 min Scan# 554  
Delta R.T. 0.00 min  
Lab File: BF112842.D  
Acq: 5 Mar 2019 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.5  | 47.6  | 71.4  |
| 63      | 28.4  | 24.4  | 36.6  |

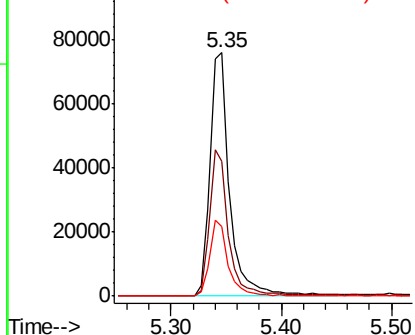
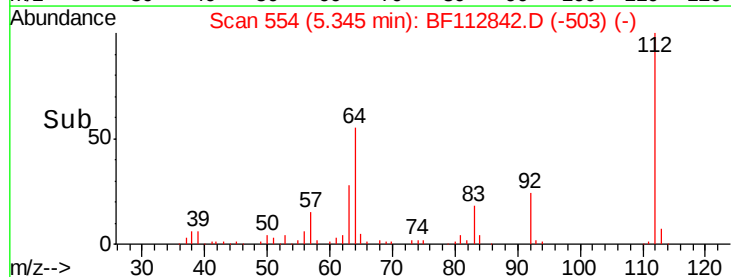


Abundance

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: 11.578 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112842.D

Acq: 5 Mar 2019 2:41

Instrument :

BNA\_F

ClientSampleId :

TRE-INTERIOR-WALLDL

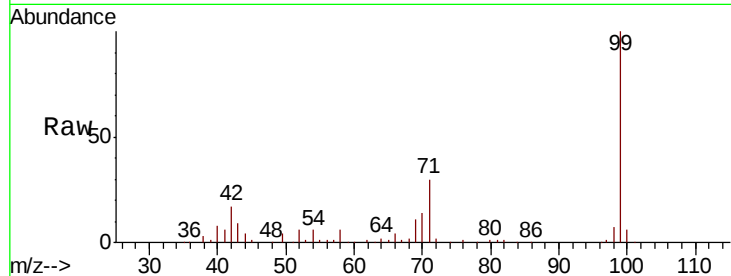
Tot Ion: 99 Resp: 127743

Ion Ratio Lower Upper

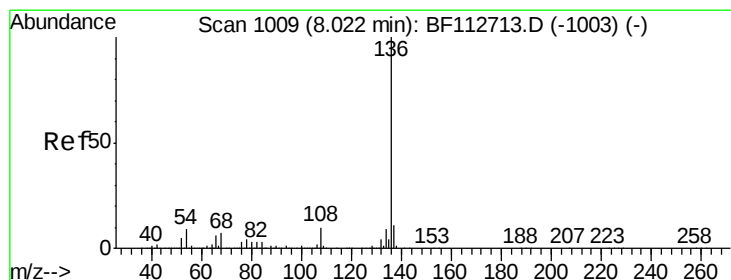
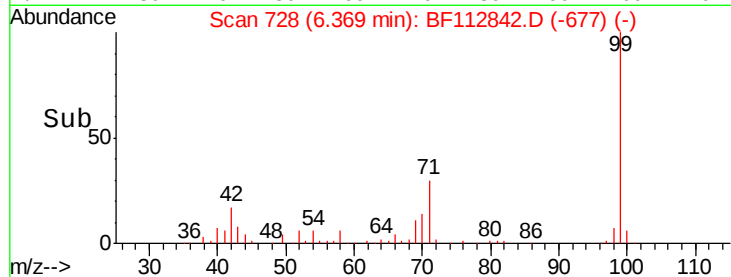
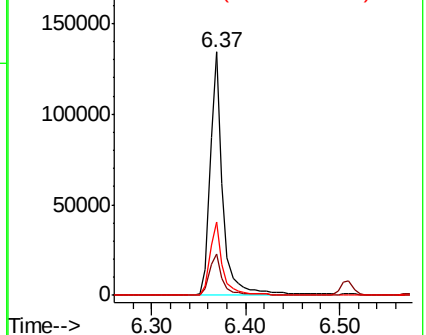
99 100

42 16.9 16.3 24.5

71 30.1 26.2 39.4



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: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF112842.D

Acq: 5 Mar 2019 2:41

Tgt Ion: 136 Resp: 539794

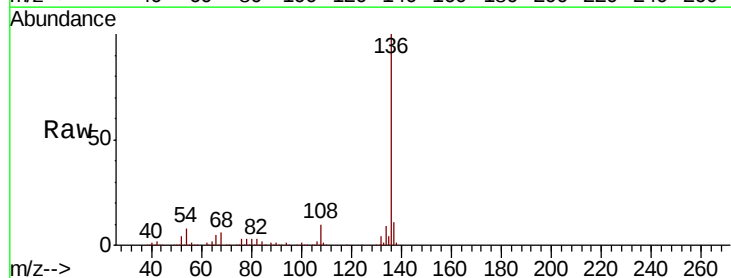
Ion Ratio Lower Upper

136 100

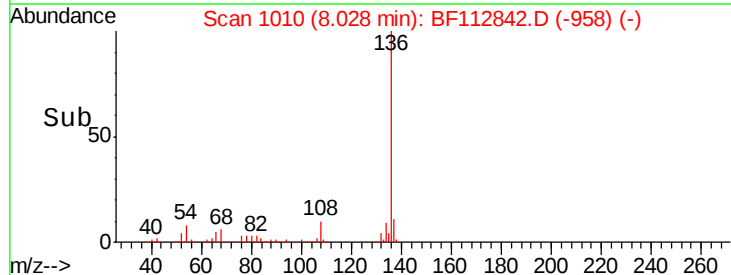
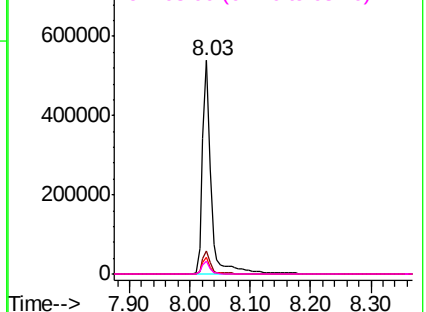
137 10.7 8.9 13.3

54 7.7 7.3 10.9

68 5.7 5.4 8.2



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

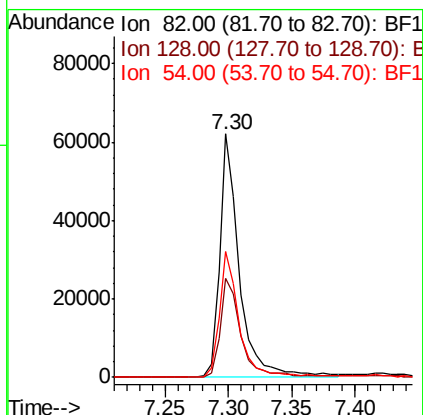
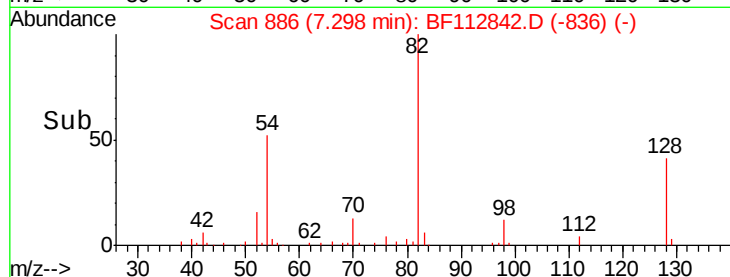
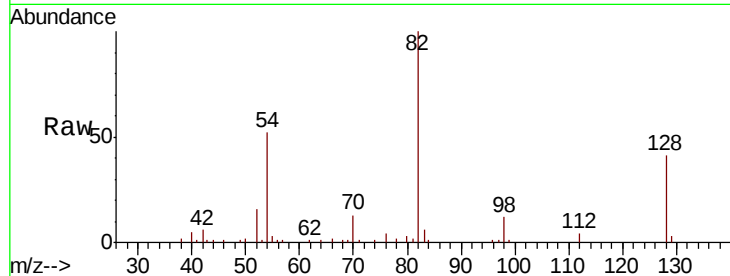




#23  
Nitrobenzene-d5  
Concen: 7.468 ng  
RT: 7.30 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF112842.D  
Acq: 5 Mar 2019 2:41

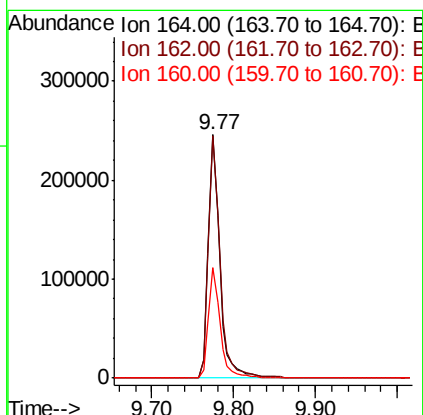
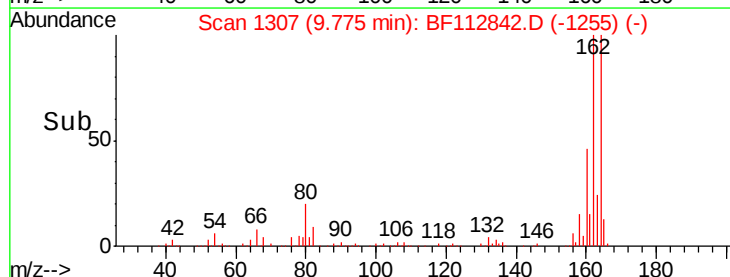
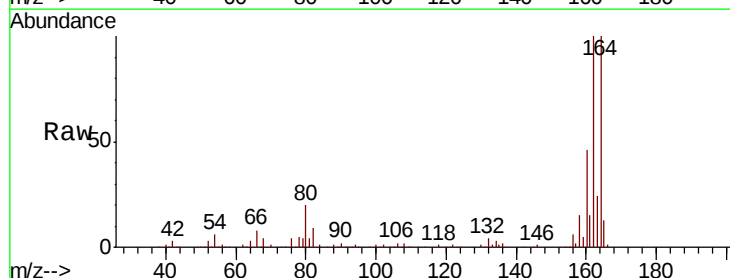
Instrument :  
BNA\_F  
ClientSampleId :  
TRE-INTERIOR-WALLDL

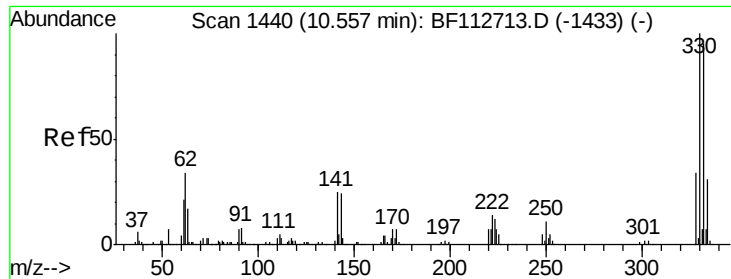
Tot Ion: 82 Resp: 67364  
Ion Ratio Lower Upper  
82 100  
128 40.9 36.3 54.5  
54 51.8 43.7 65.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. 0.01 min  
Lab File: BF112842.D  
Acq: 5 Mar 2019 2:41

Tgt Ion:164 Resp: 242475  
Ion Ratio Lower Upper  
164 100  
162 99.6 80.6 120.8  
160 45.6 36.0 54.0

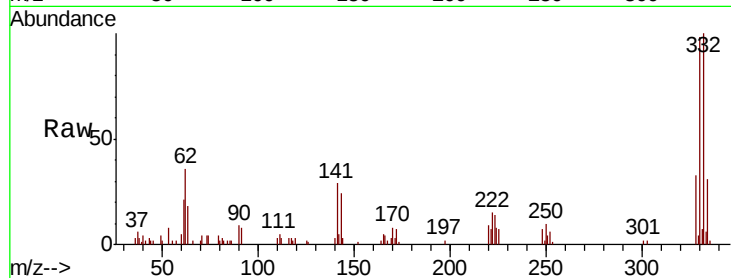




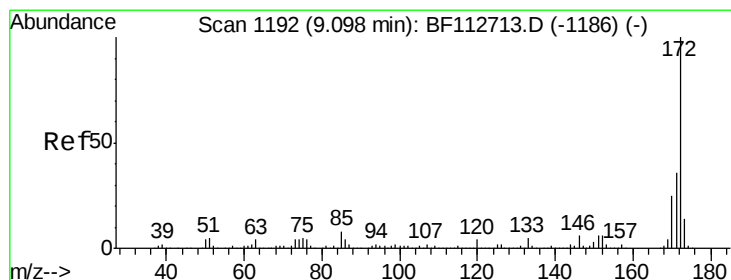
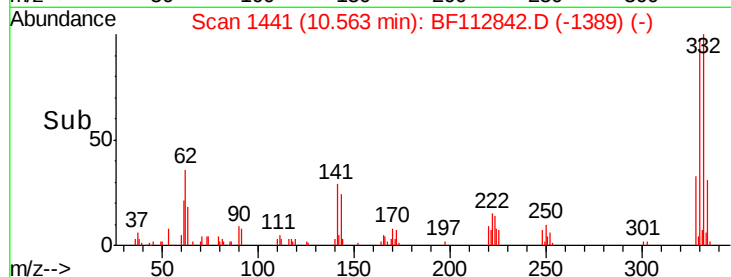
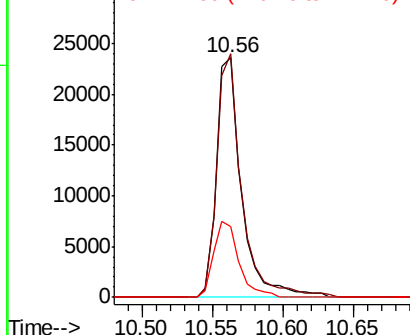
#42  
 2,4,6-Tribromophenol  
 Concen: 11.361 ng  
 RT: 10.56 min Scan# 1441  
 Delta R.T. 0.01 min  
 Lab File: BF112842.D  
 Acq: 5 Mar 2019 2:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRE-INTERIOR-WALLDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 100.9 | 76.2  | 114.4 |
| 141     | 31.7  | 27.0  | 40.6  |

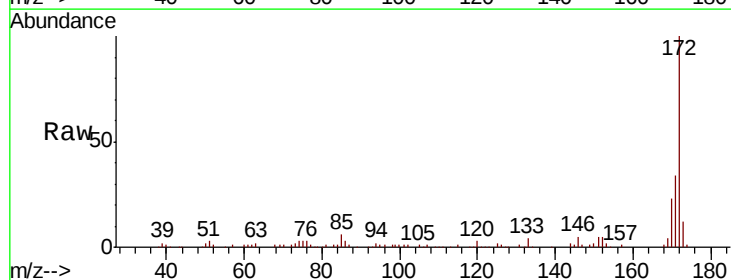


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

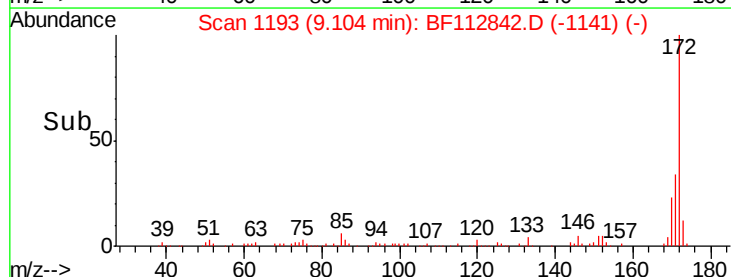
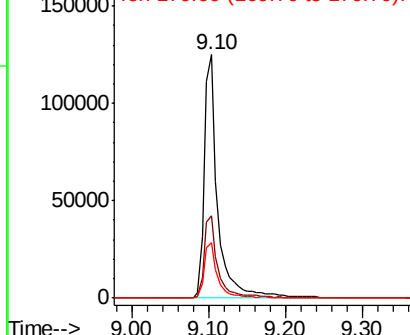


#45  
 2-Fluorobiphenyl  
 Concen: 7.141 ng  
 RT: 9.10 min Scan# 1193  
 Delta R.T. 0.01 min  
 Lab File: BF112842.D  
 Acq: 5 Mar 2019 2:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.7  | 29.0  | 43.4  |
| 170     | 22.6  | 20.0  | 30.0  |



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

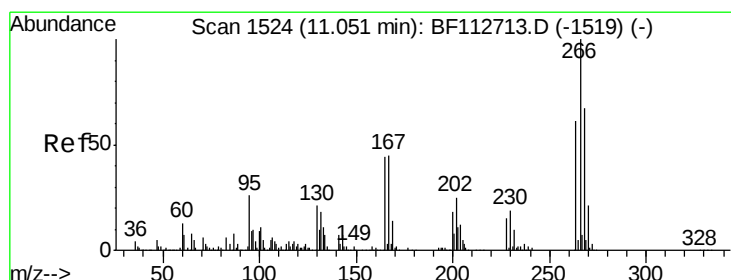
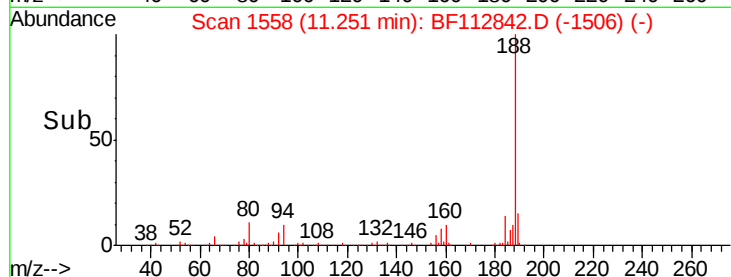
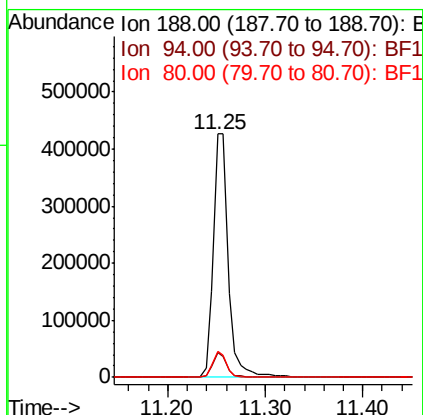
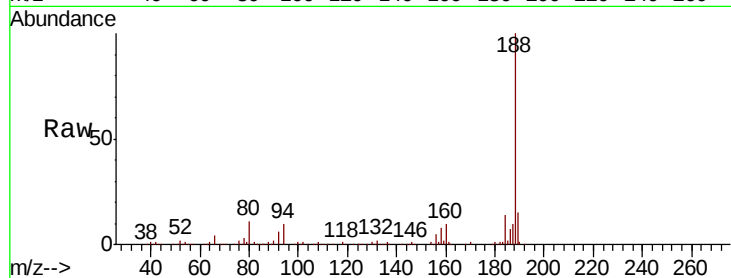




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1558  
Delta R.T. 0.01 min  
Lab File: BF112842.D  
Acq: 5 Mar 2019 2:41

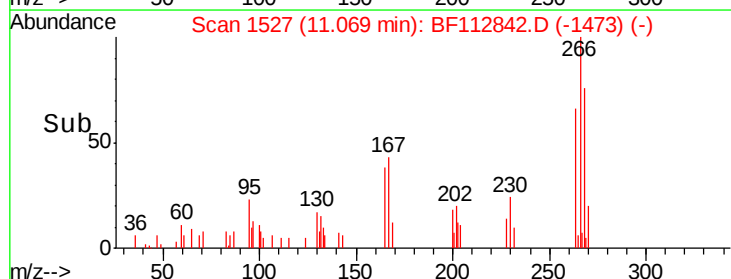
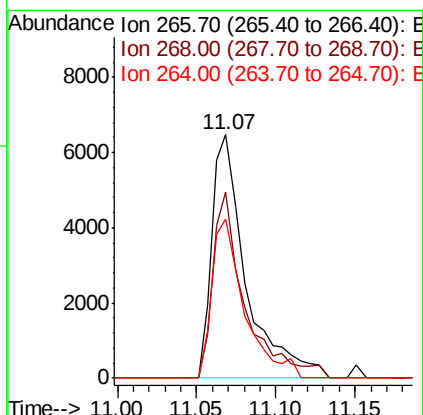
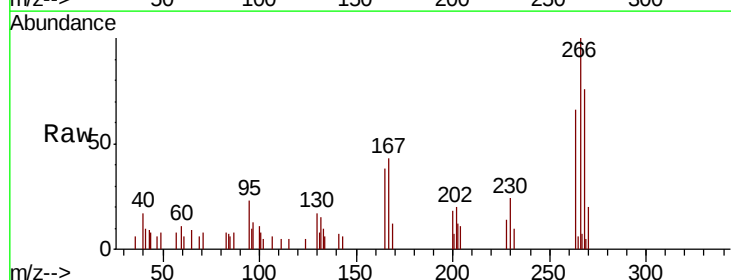
Instrument :  
BNA\_F  
ClientSampleId :  
TRE-INTERIOR-WALLDL

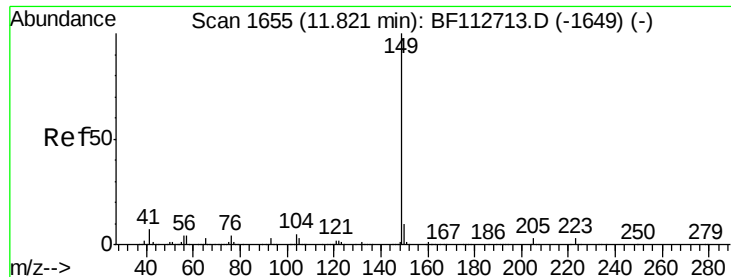
Tot Ion:188 Resp: 454858  
Ion Ratio Lower Upper  
188 100  
94 10.2 9.0 13.4  
80 10.8 9.2 13.8



#70  
Pentachlorophenol  
Concen: 3.056 ng  
RT: 11.07 min Scan# 1527  
Delta R.T. 0.02 min  
Lab File: BF112842.D  
Acq: 5 Mar 2019 2:41

Tgt Ion:266 Resp: 9713  
Ion Ratio Lower Upper  
266 100  
268 81.1 53.3 79.9#  
264 71.5 48.9 73.3





#74

Di-n-butylphthalate

Concen: 41.939 ng

RT: 11.82 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BF112842.D

Acq: 5 Mar 2019 2:41

Instrument :

BNA\_F

ClientSampleId :

TRE-INTERIOR-WALLDL

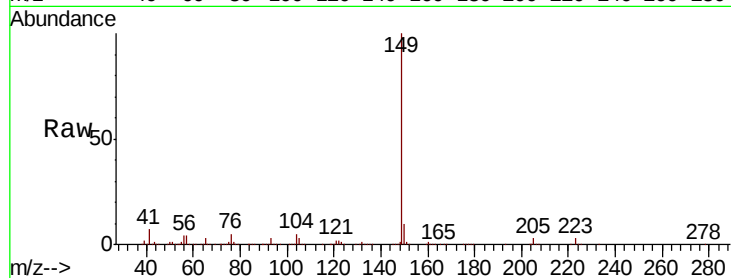
Tot Ion:149 Resp: 1162103

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

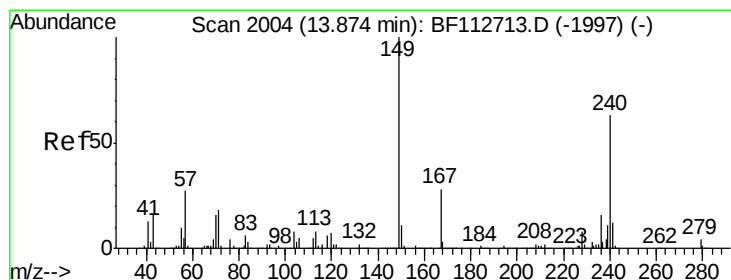
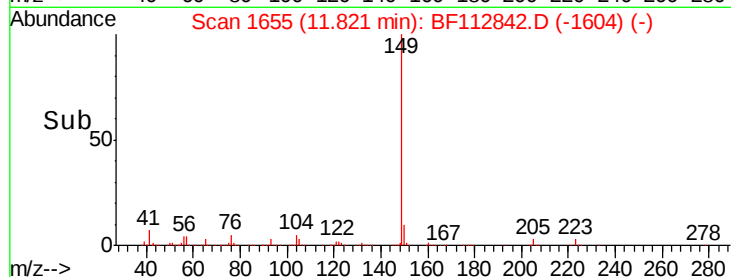
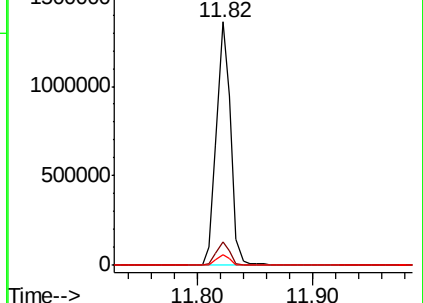
104 4.6 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF112842.D

Acq: 5 Mar 2019 2:41

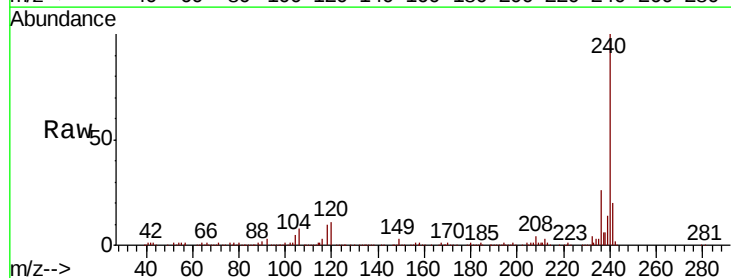
Tgt Ion:240 Resp: 385247

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

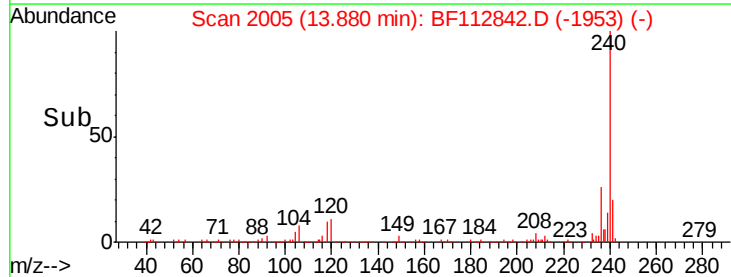
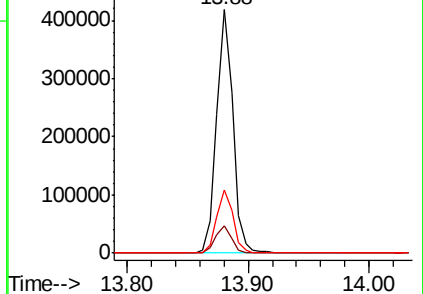
236 26.1 20.7 31.1

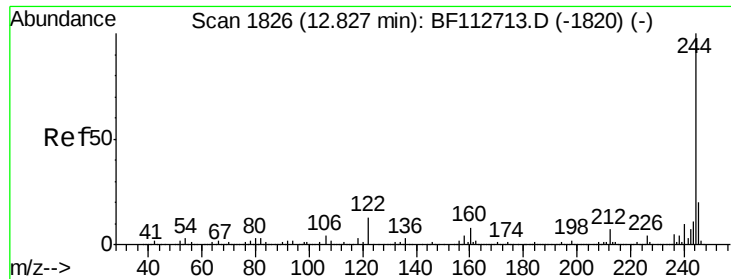


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 7.932 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112842.D

Acq: 5 Mar 2019 2:41

Instrument :

BNA\_F

ClientSampleId :

TRE-INTERIOR-WALLDL

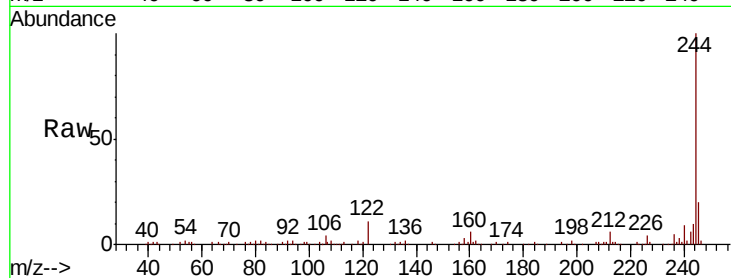
Tot Ion:244 Resp: 157644

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

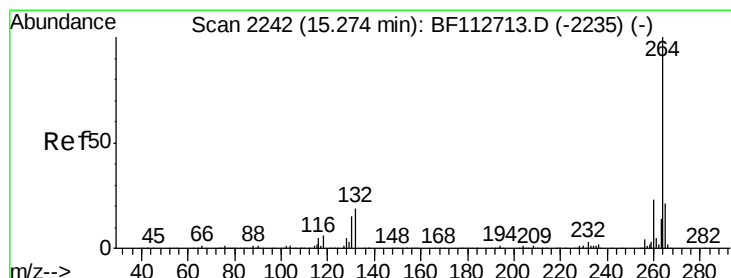
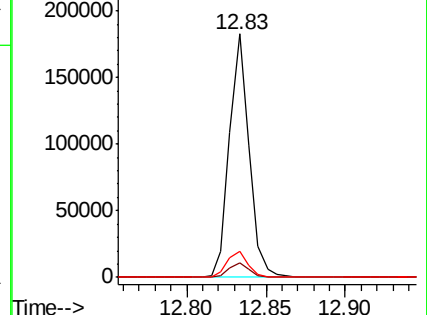
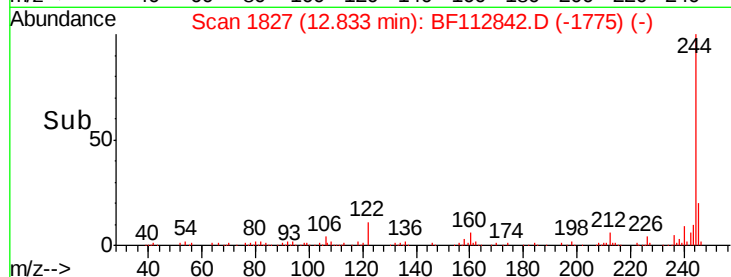
122 10.7 10.5 15.7



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: 15.29 min Scan# 2245

Delta R.T. 0.02 min

Lab File: BF112842.D

Acq: 5 Mar 2019 2:41

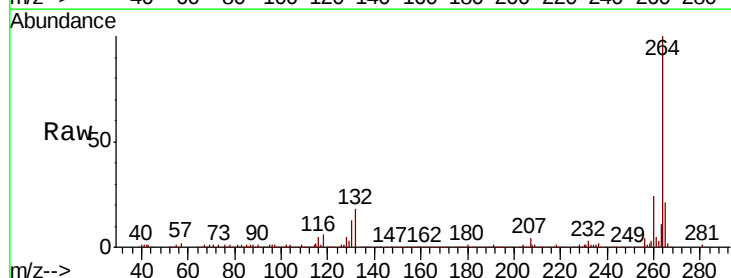
Tgt Ion:264 Resp: 296043

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 20.9 17.2 25.8



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

