

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090618\  
 Data File : BF108848.D  
 Acq On : 7 Sep 2018 2:35  
 Operator : JU/SJ  
 Sample : J4741-02RE  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOC2-03-BRE

Quant Time: Sep 07 04:03:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 05 18:03:31 2018  
 Response via : Initial Calibration

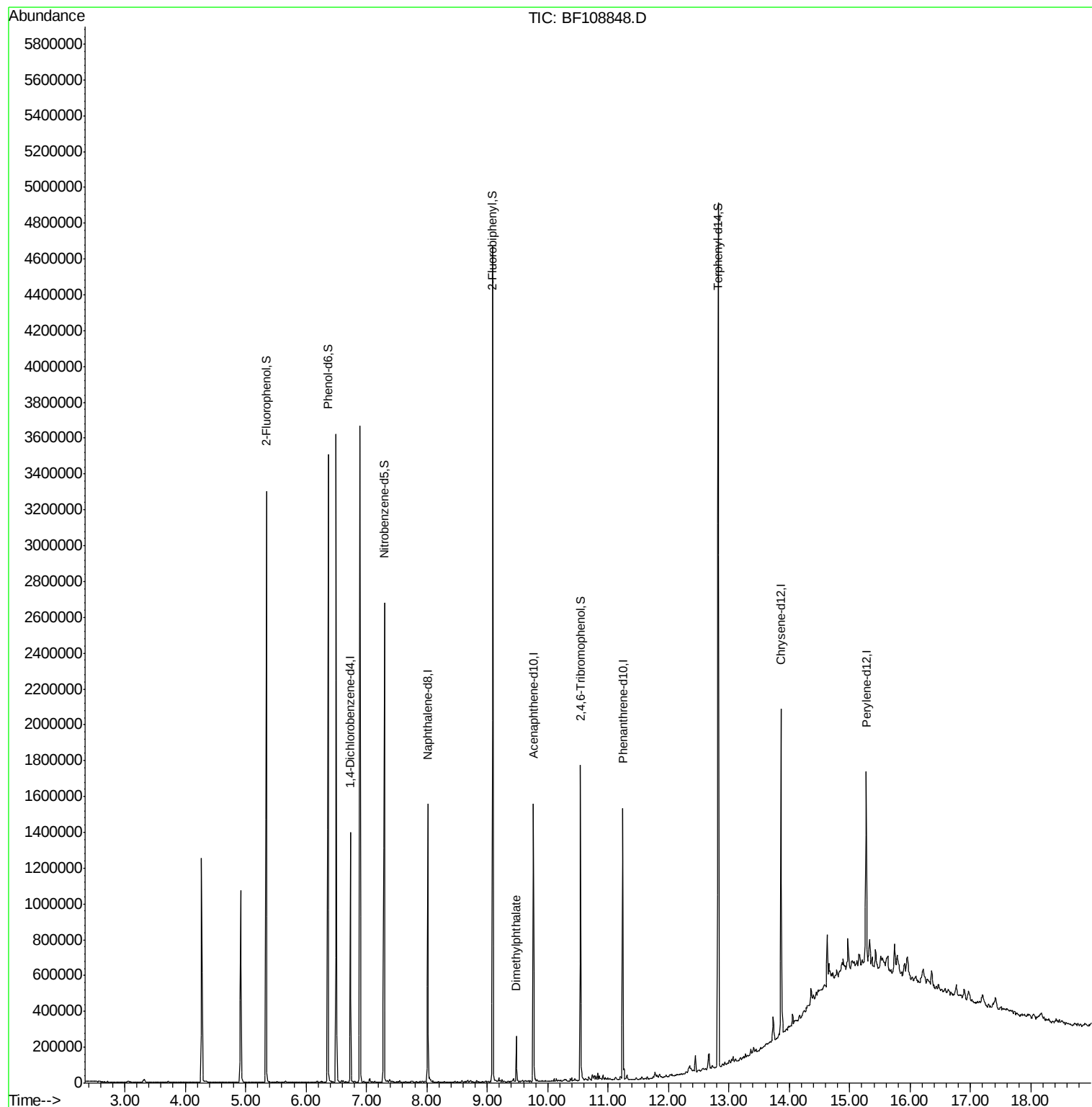
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 191939   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.01  | 136  | 684690   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 9.77  | 164  | 275526   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.24 | 188  | 507450   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 13.87 | 240  | 558846   | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 15.27 | 264  | 466959   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.34  | 112  | 943826   | 81.46 | ng    | 0.00           |
| 7) Phenol-d6                | 6.37  | 99   | 1185901  | 79.55 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 920660   | 84.15 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 217288   | 82.61 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1525307  | 94.44 | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.82 | 244  | 1526780  | 63.71 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.48  | 163  | 94610    | 4.909 | ng    | Qvalue<br># 98 |

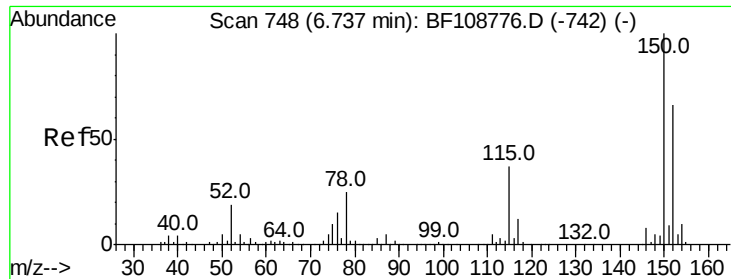
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
Response via : Initial Calibration



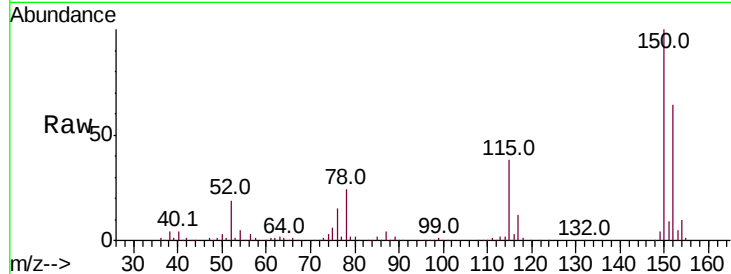


#1

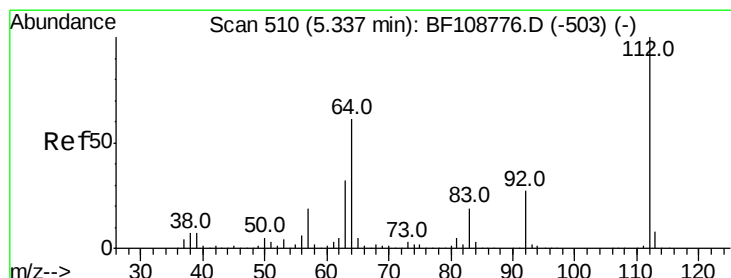
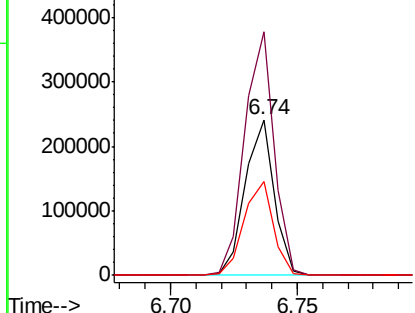
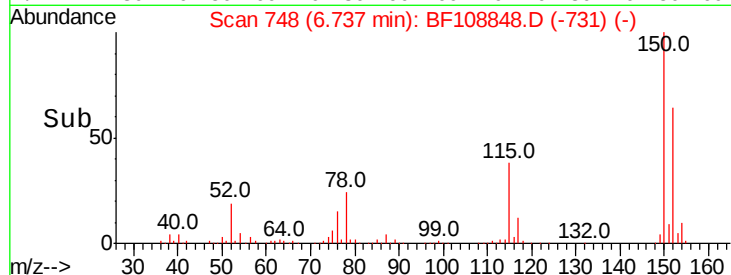
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 748  
Delta R.T. 0.00 min  
Lab File: BF108848.D  
Acq: 7 Sep 2018 2:35

Instrument :  
BNA\_F  
ClientSampleId :  
AOC2-03-BRE

Tot Ion:152 Resp: 191939  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.6 186.8  
115 59.9 50.1 75.1



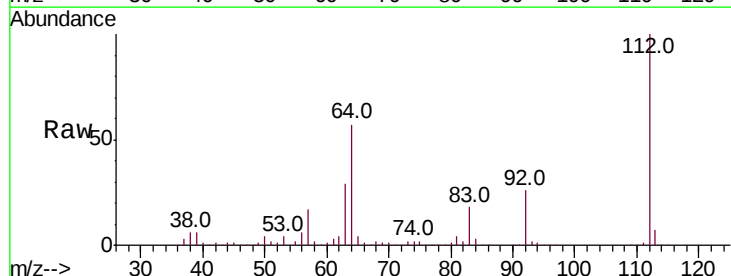
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



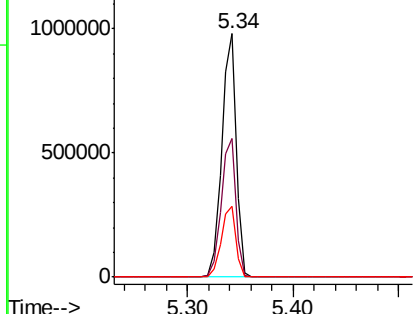
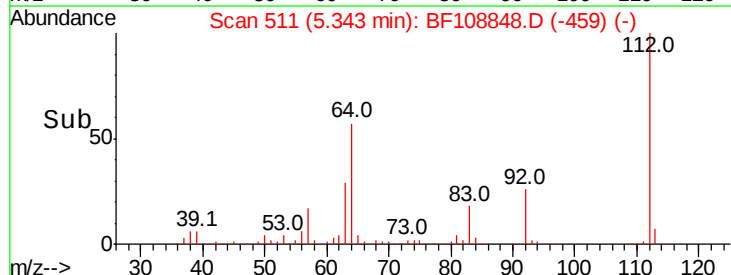
#5

2-Fluorophenol  
Concen: 81.464 ng  
RT: 5.34 min Scan# 511  
Delta R.T. 0.01 min  
Lab File: BF108848.D  
Acq: 7 Sep 2018 2:35

Tgt Ion:112 Resp: 943826  
Ion Ratio Lower Upper  
112 100  
64 57.0 47.9 71.9  
63 29.2 23.7 35.5



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: 79.553 ng

RT: 6.37 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF108848.D

Acq: 7 Sep 2018 2:35

Instrument :

BNA\_F

ClientSampleId :

AOC2-03-BRE

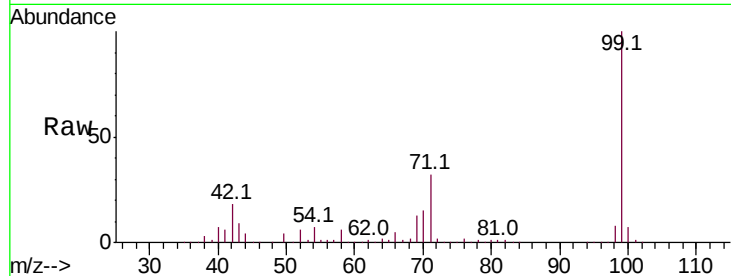
Tot Ion: 99 Resp: 1185901

Ion Ratio Lower Upper

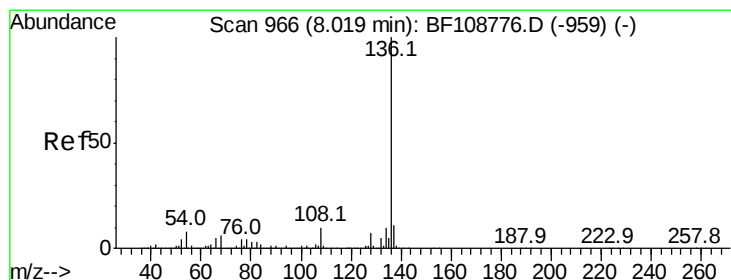
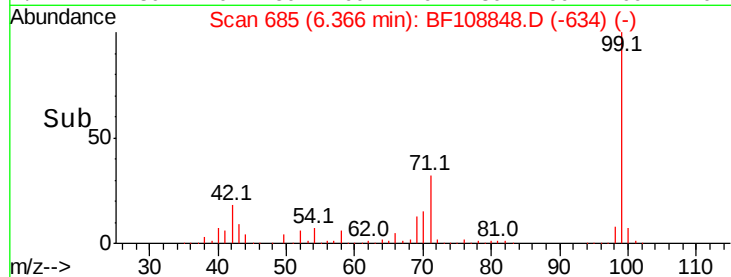
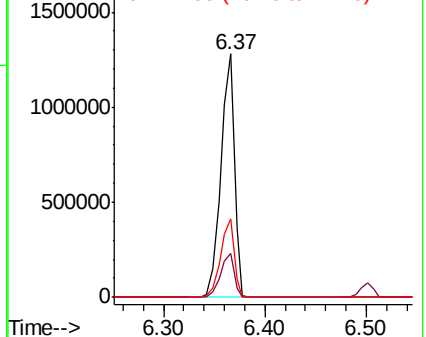
99 100

42 17.9 14.5 21.7

71 32.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF108848.D

Acq: 7 Sep 2018 2:35

Tgt Ion: 136 Resp: 684690

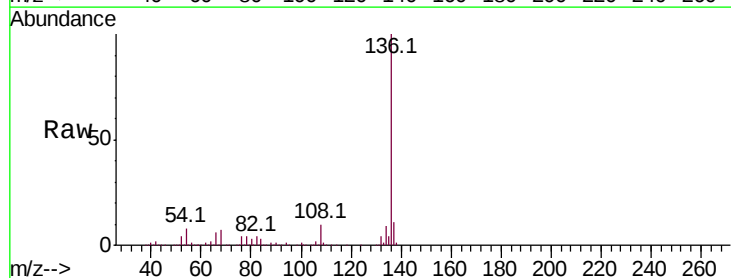
Ion Ratio Lower Upper

136 100

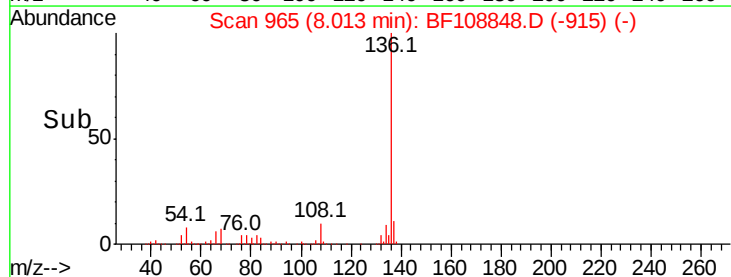
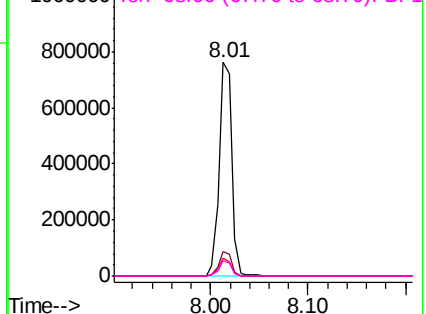
137 11.2 8.9 13.3

54 8.2 6.6 9.8

68 7.1 5.0 7.4



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

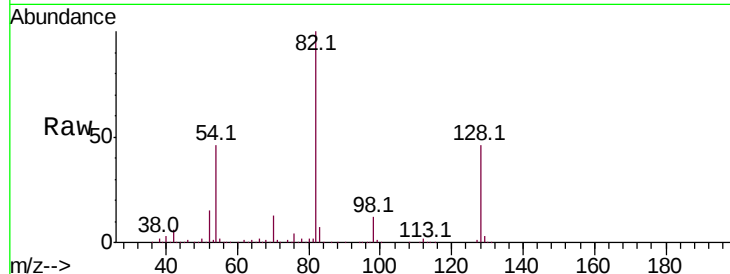




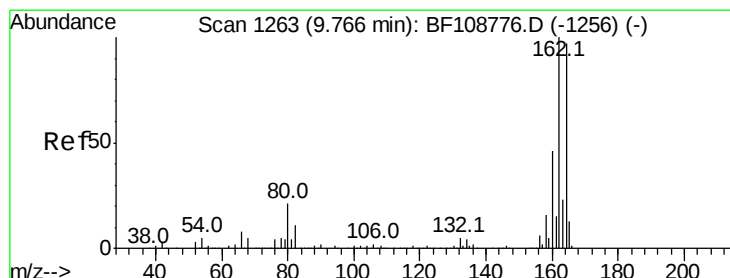
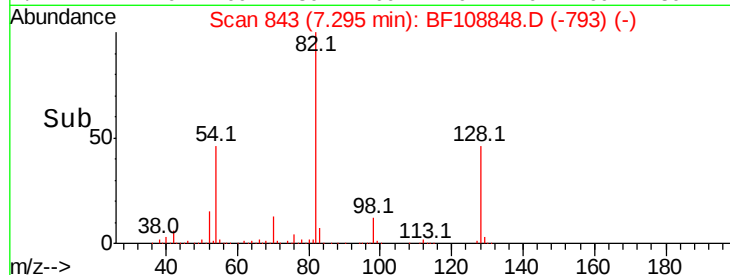
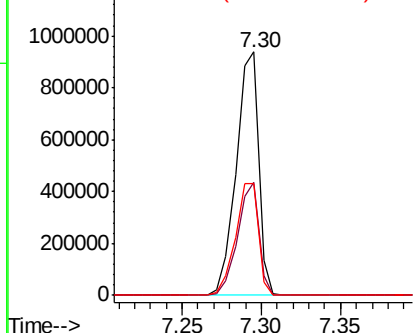
#23  
 Nitrobenzene-d5  
 Concen: 84.149 ng  
 RT: 7.30 min Scan# 843  
 Delta R.T. -0.01 min  
 Lab File: BF108848.D  
 Acq: 7 Sep 2018 2:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOC2-03-BRE

| Tot Ion   | 82    | Resp  | 920660 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.2  | 36.1  | 54.1   |
| 54        | 46.1  | 41.4  | 62.2   |

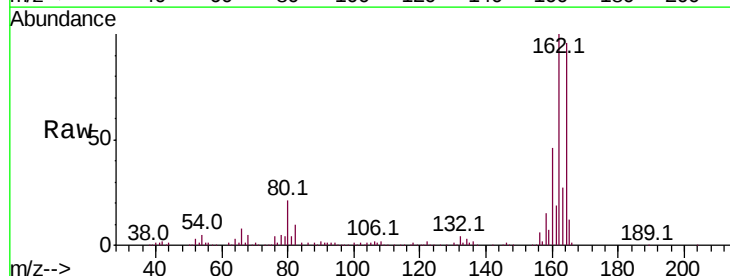


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

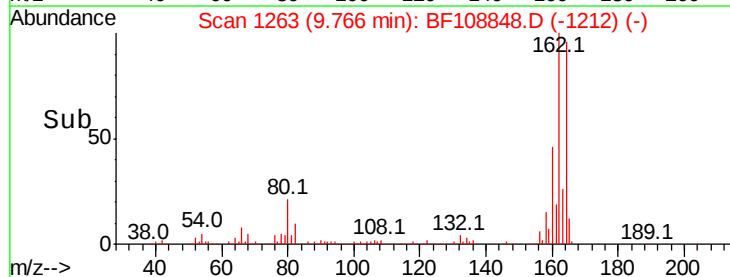
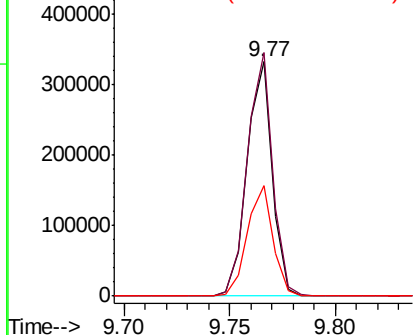


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1263  
 Delta R.T. 0.00 min  
 Lab File: BF108848.D  
 Acq: 7 Sep 2018 2:35

| Tgt Ion   | 164   | Resp  | 275526 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.8 | 86.1  | 129.1  |
| 160       | 47.3  | 38.3  | 57.5   |



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

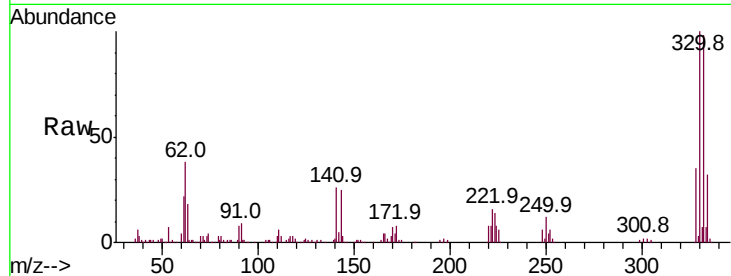




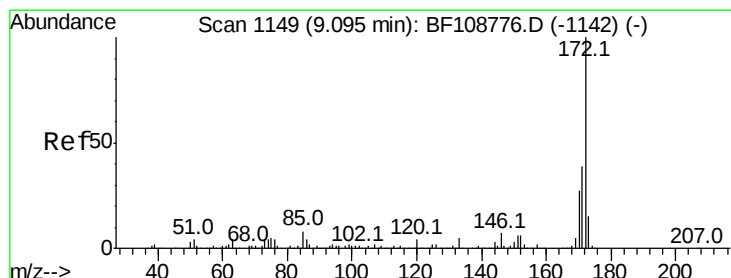
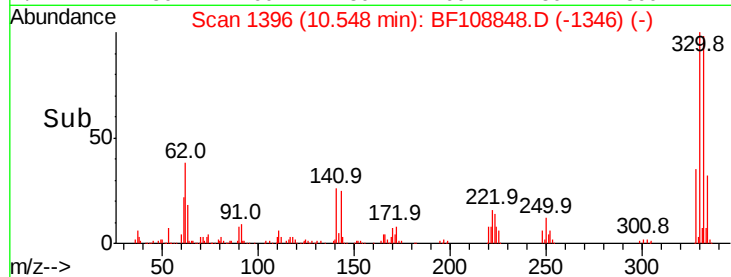
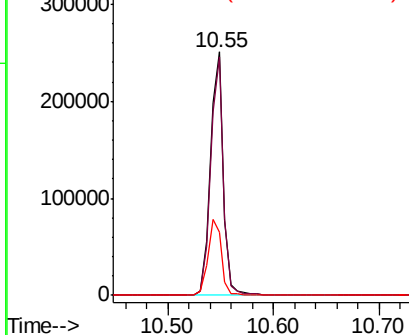
#41  
 2,4,6-Tribromophenol  
 Concen: 82.609 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF108848.D  
 Acq: 7 Sep 2018 2:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOC2-03-BRE

Tot Ion:330 Resp: 217288  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.0 115.6  
 141 32.2 29.9 44.9

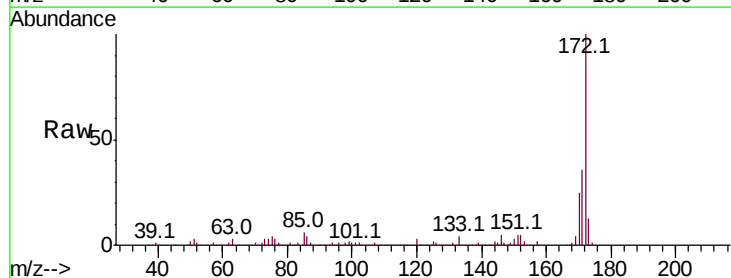


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

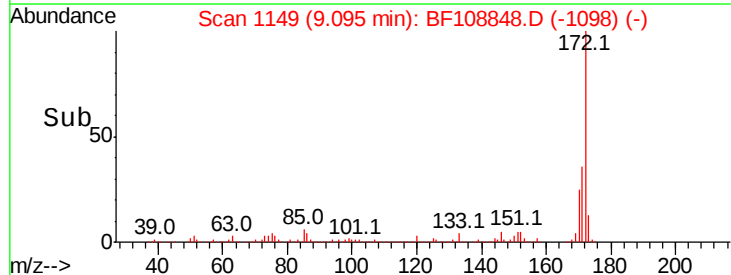
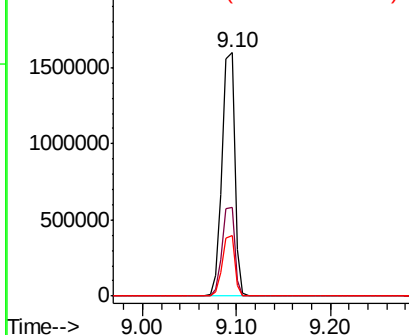


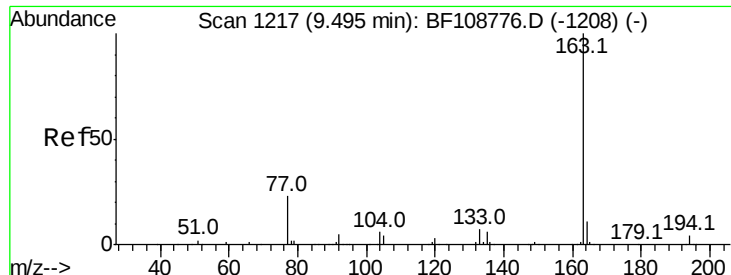
#44  
 2-Fluorobiphenyl  
 Concen: 94.443 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. 0.00 min  
 Lab File: BF108848.D  
 Acq: 7 Sep 2018 2:35

Tgt Ion:172 Resp: 1525307  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.7 44.5  
 170 24.8 19.6 29.4



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





#49

Dimethylphthalate

Concen: 4.909 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108848.D

Acq: 7 Sep 2018 2:35

Instrument :

BNA\_F

ClientSampleId :

AOC2-03-BRE

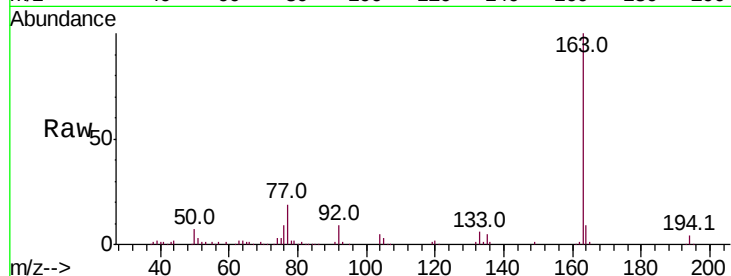
Tot Ion:163 Resp: 94610

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

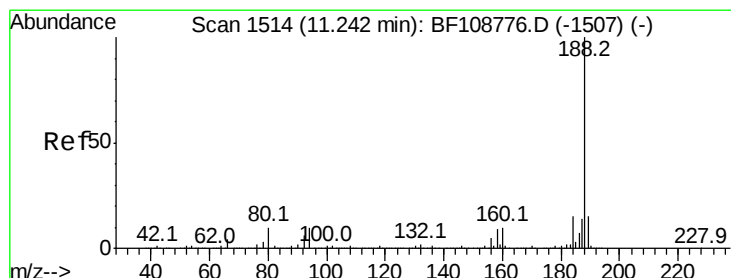
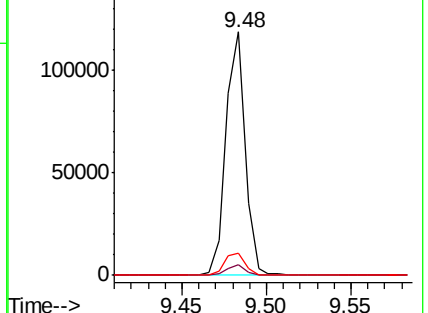
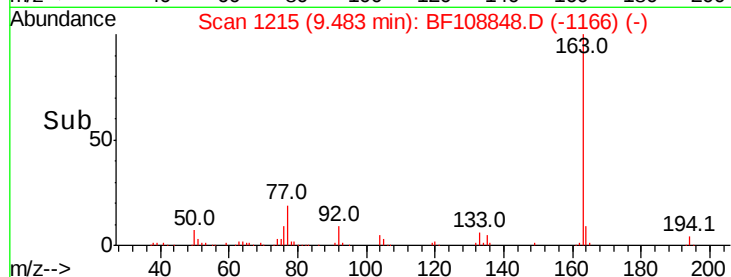
164 9.4 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BF108848.D

Acq: 7 Sep 2018 2:35

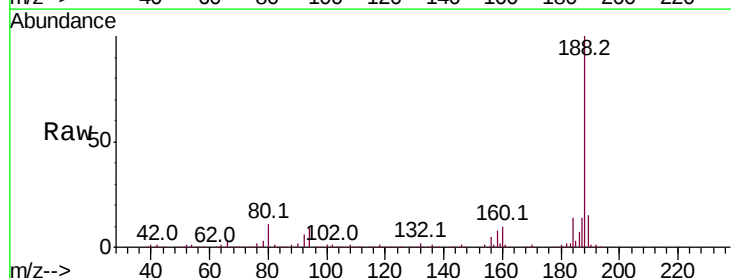
Tgt Ion:188 Resp: 507450

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

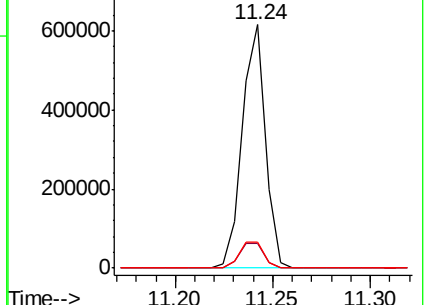
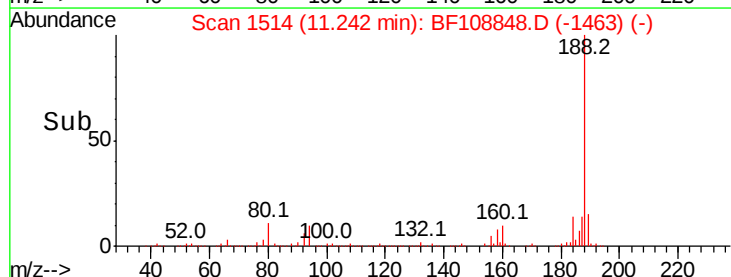
80 10.7 9.2 13.8

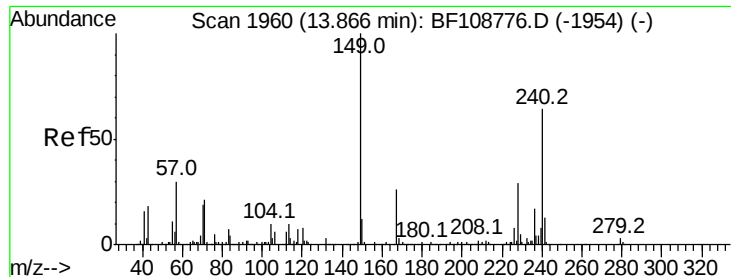


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BF108848.D

Acq: 7 Sep 2018 2:35

Instrument :

BNA\_F

ClientSampleId :

AOC2-03-BRE

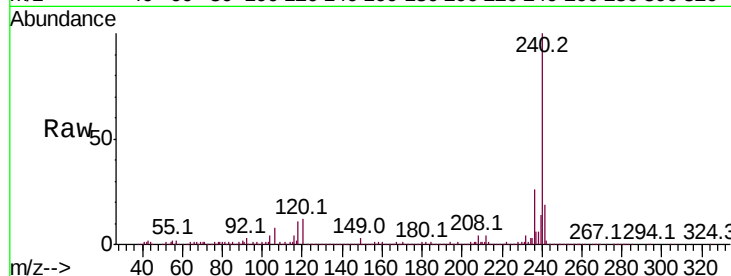
Tot Ion:240 Resp: 558846

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

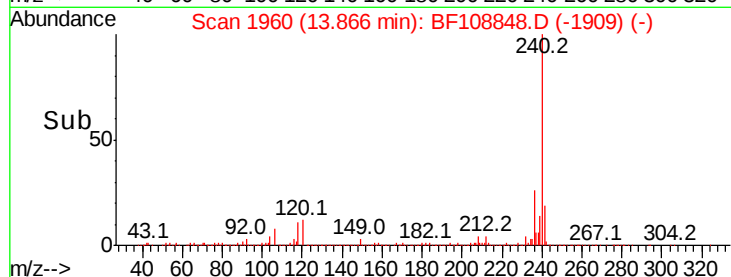
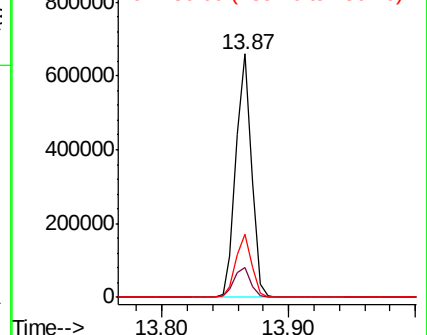
236 26.2 20.7 31.1



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



#78

Terphenyl-d14

Concen: 63.708 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108848.D

Acq: 7 Sep 2018 2:35

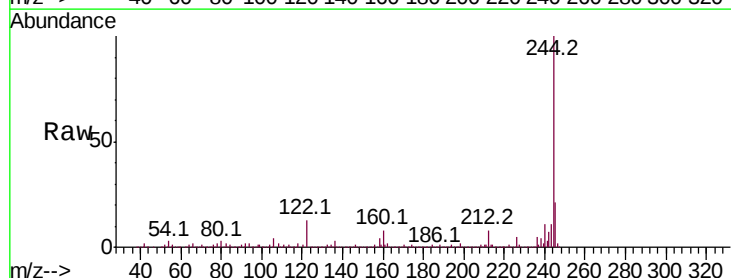
Tgt Ion:244 Resp: 1526780

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

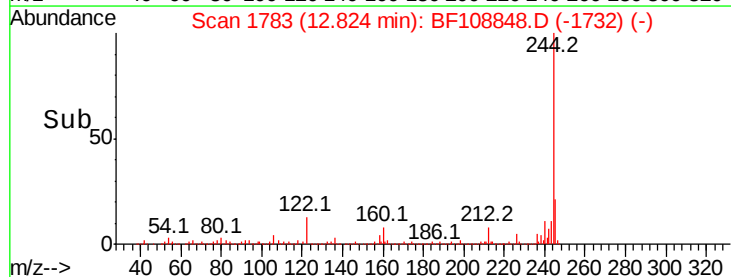
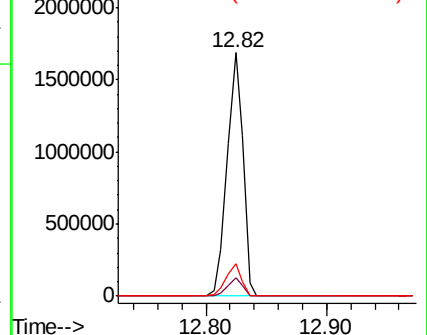
122 13.1 11.0 16.4

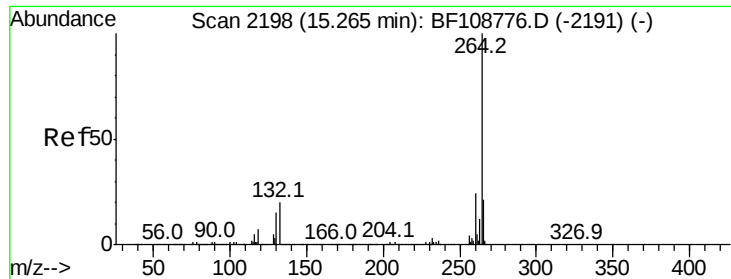


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

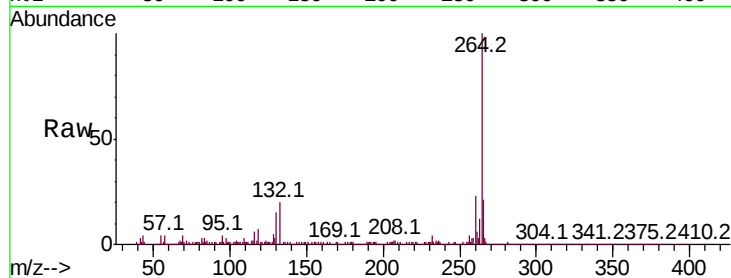




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.27 min Scan# 2199  
Delta R.T. 0.01 min  
Lab File: BF108848.D  
Acq: 7 Sep 2018 2:35

Instrument :  
BNA\_F  
ClientSampleId :  
AOC2-03-BRE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 21.4  | 17.5  | 26.3  |



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

