

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051419\  
 Data File : BF114276.D  
 Acq On : 15 May 2019 1:29  
 Operator : JU/SJ  
 Sample : K2842-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 051119-LIFT-F-U-S

Quant Time: May 15 03:45:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 15:56:46 2019  
 Response via : Initial Calibration

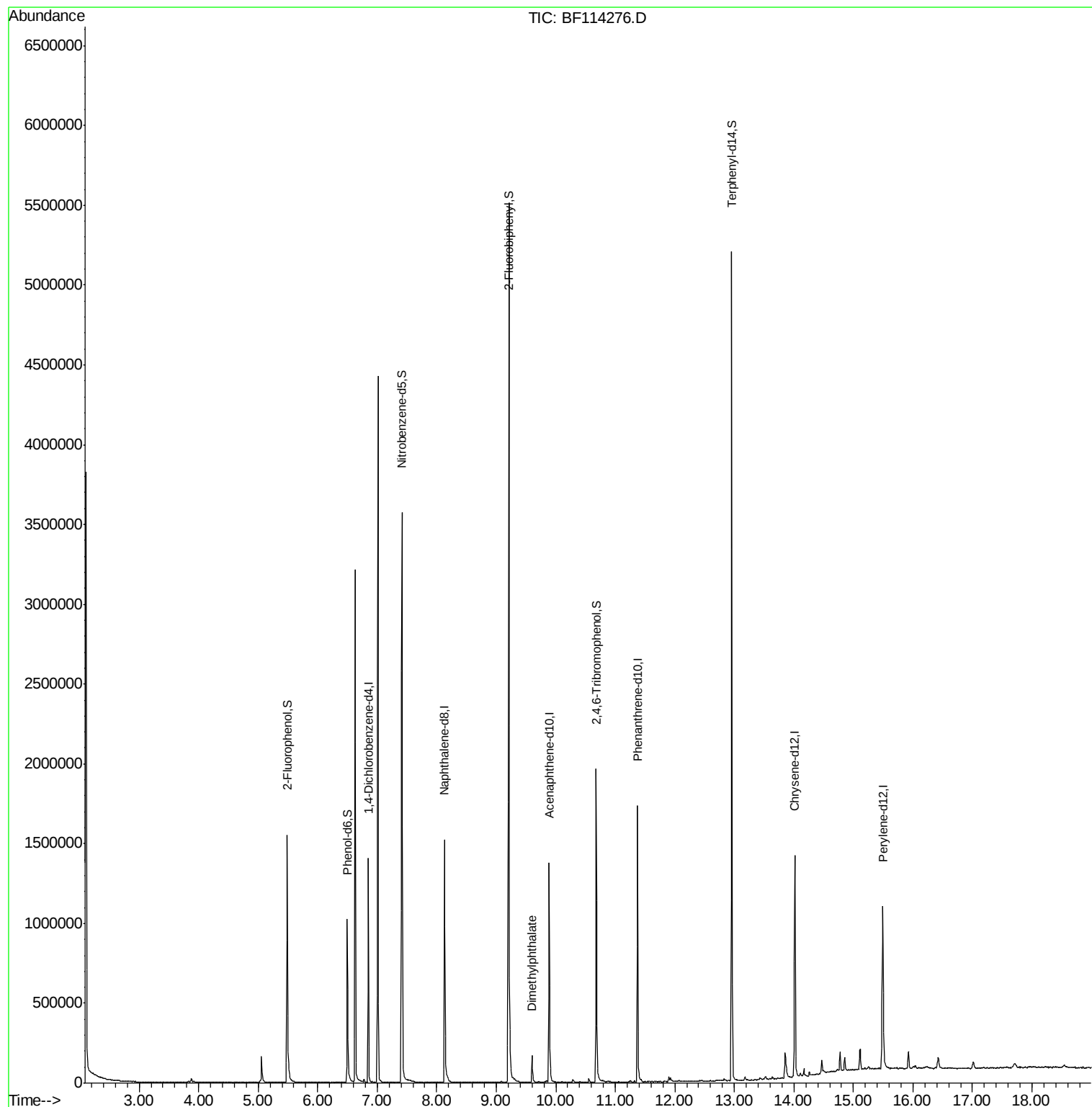
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 191678   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.13  | 136  | 720291   | 20.00 | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.89  | 164  | 330713   | 20.00 | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.37 | 188  | 651300   | 20.00 | ng    | 0.00      |
| 76) Chrysene-d12            | 14.02 | 240  | 518237   | 20.00 | ng    | 0.00      |
| 87) Perylene-d12            | 15.49 | 264  | 498291   | 20.00 | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.49  | 112  | 471827   | 39.61 | ng    | 0.00      |
| 7) Phenol-d6                | 6.50  | 99   | 382867   | 27.18 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 1144772  | 89.19 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330  | 252404   | 73.82 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.21  | 172  | 1963160  | 89.79 | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.96 | 244  | 1867034  | 74.27 | ng    | 0.00      |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 9.60  | 163  | 91434    | 3.766 | ng    | Qvalue 98 |

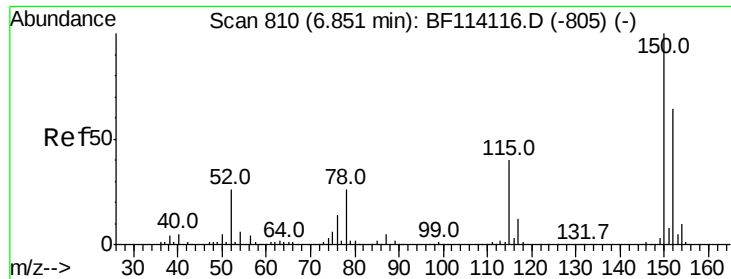
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 03:45:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 10 15:56:46 2019  
Response via : Initial Calibration



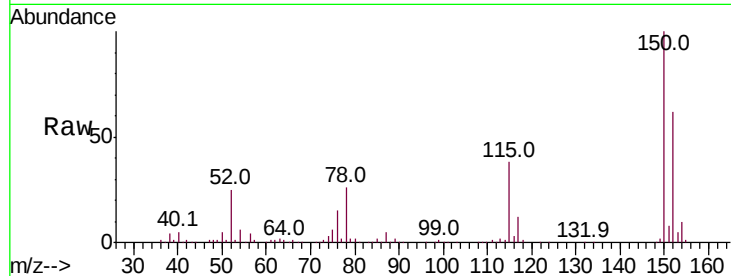


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF114276.D  
Acq: 15 May 2019 1:29

Instrument :  
BNA\_F  
ClientSampleId :  
051119-LIFT-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.4 | 124.3 | 186.5 |
| 115     | 61.7  | 49.1  | 73.7  |

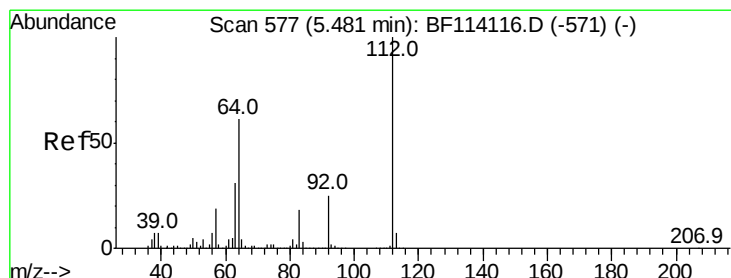
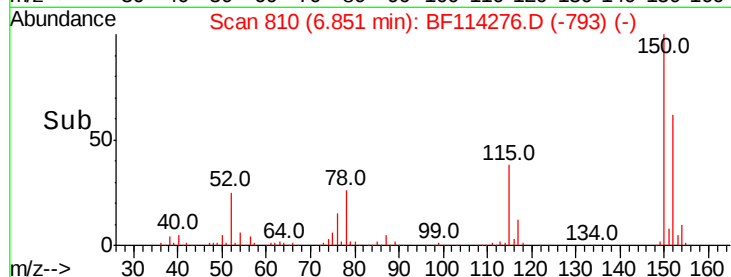
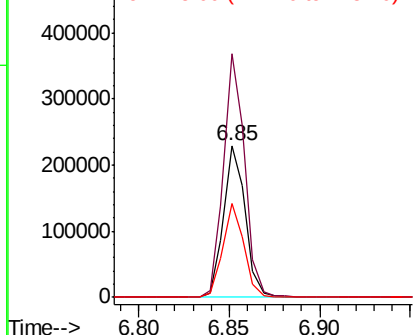


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

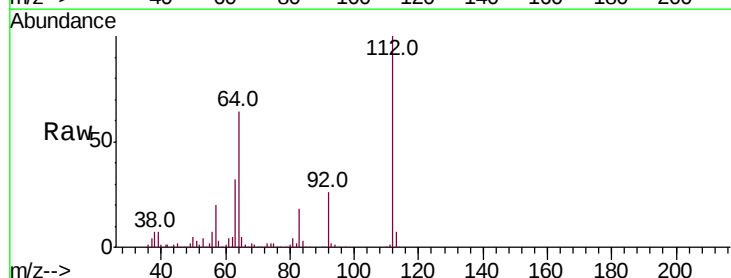
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 39.613 ng  
RT: 5.49 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: BF114276.D  
Acq: 15 May 2019 1:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.9  | 49.0  | 73.6  |
| 63      | 31.8  | 24.6  | 37.0  |

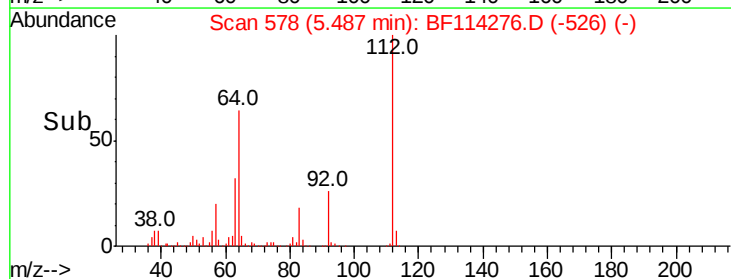
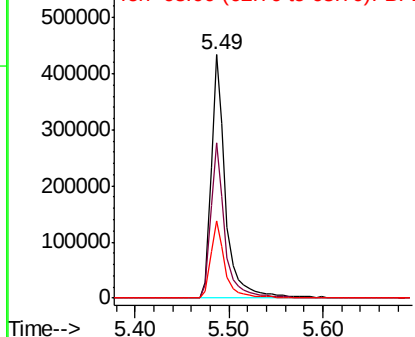


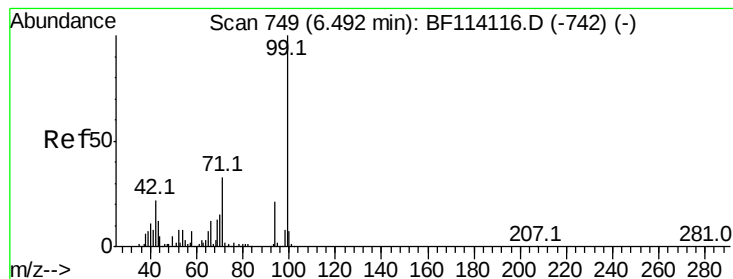
Abundance

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: 27.178 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114276.D

Acq: 15 May 2019 1:29

Instrument :

BNA\_F

ClientSampleId :

051119-LIFT-F-U-S

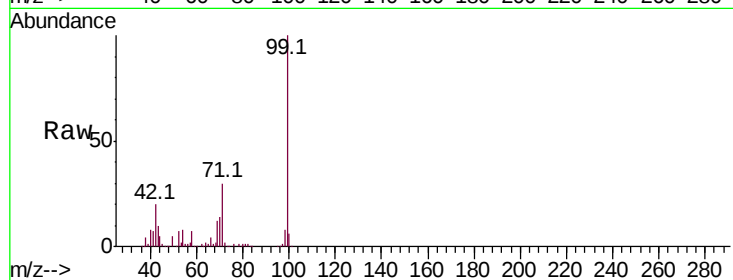
Tot Ion: 99 Resp: 382867

Ion Ratio Lower Upper

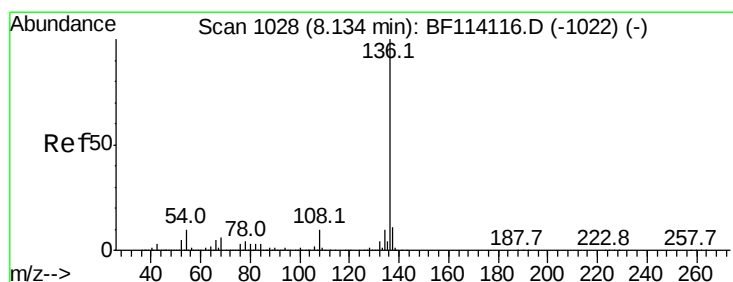
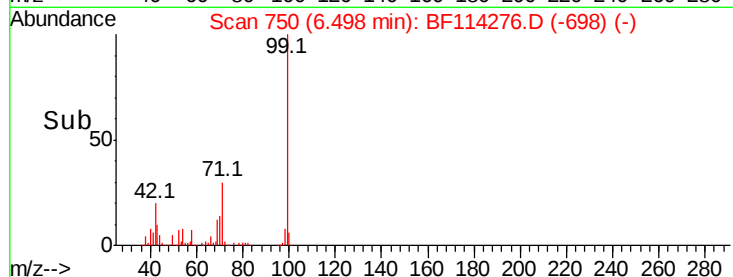
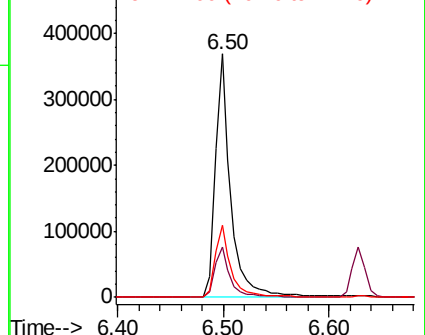
99 100

42 20.5 17.9 26.9

71 29.7 26.2 39.2



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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114276.D

Acq: 15 May 2019 1:29

Tgt Ion: 136 Resp: 720291

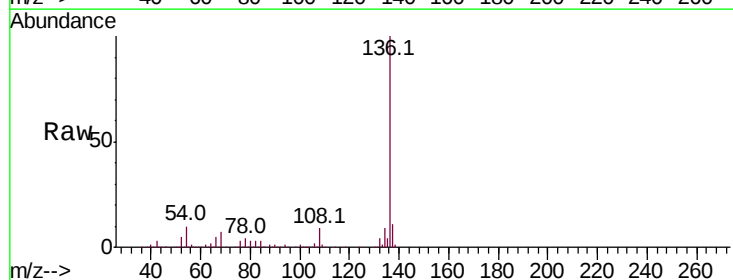
Ion Ratio Lower Upper

136 100

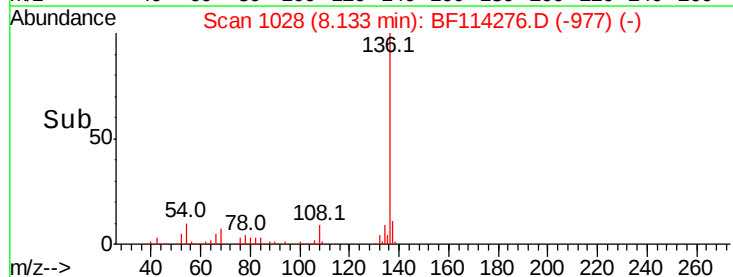
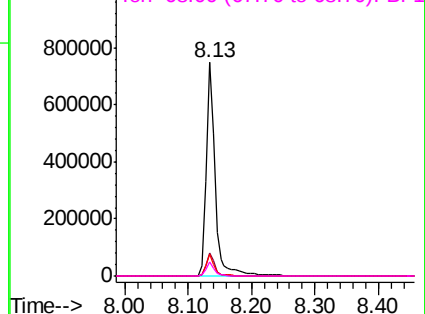
137 11.0 8.8 13.2

54 10.0 7.8 11.8

68 6.7 5.1 7.7



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: 89.193 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF114276.D

Acq: 15 May 2019 1:29

Instrument :

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ClientSampleId :

051119-LIFT-F-U-S

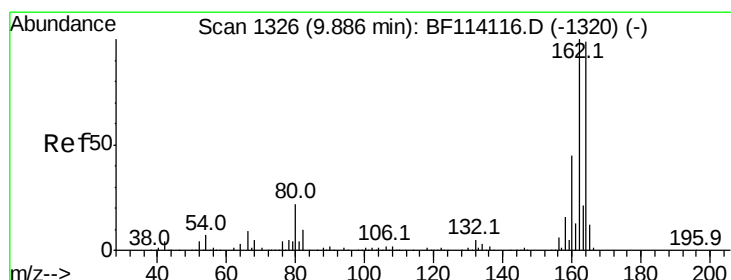
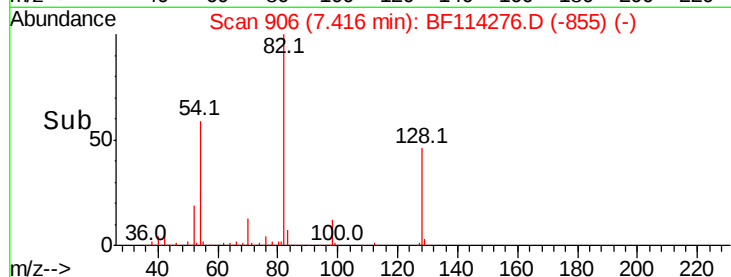
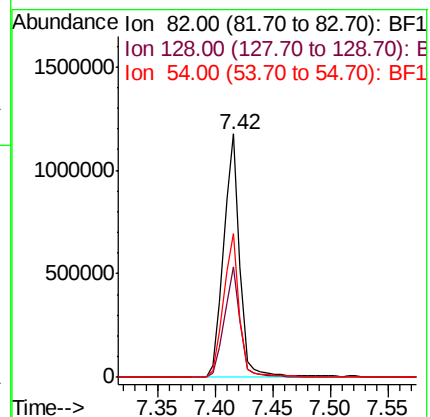
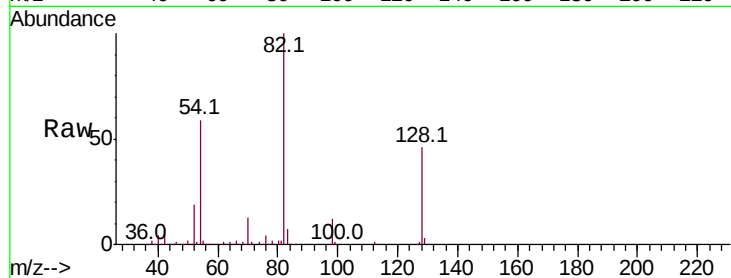
Tot Ion: 82 Resp: 1144772

Ion Ratio Lower Upper

82 100

128 45.5 35.5 53.3

54 59.1 48.5 72.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114276.D

Acq: 15 May 2019 1:29

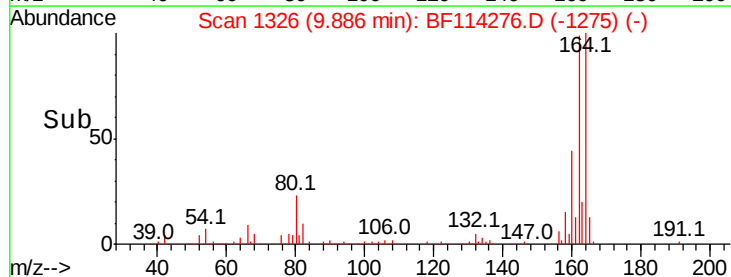
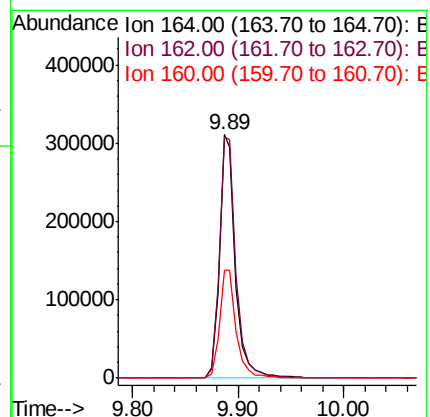
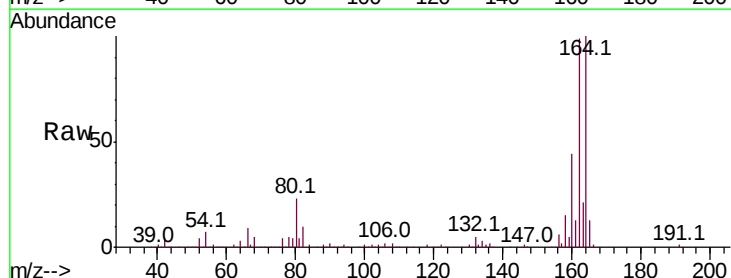
Tgt Ion:164 Resp: 330713

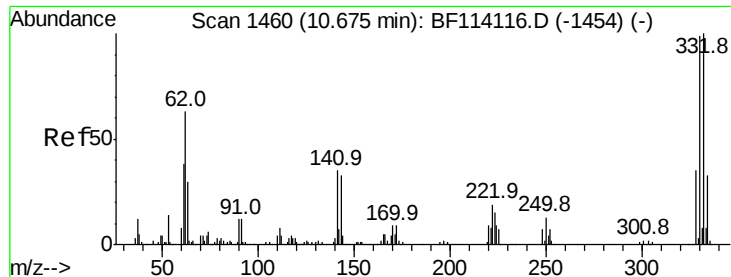
Ion Ratio Lower Upper

164 100

162 99.0 80.6 120.8

160 44.2 36.5 54.7

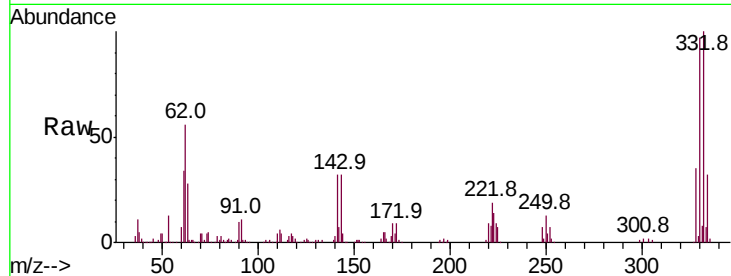




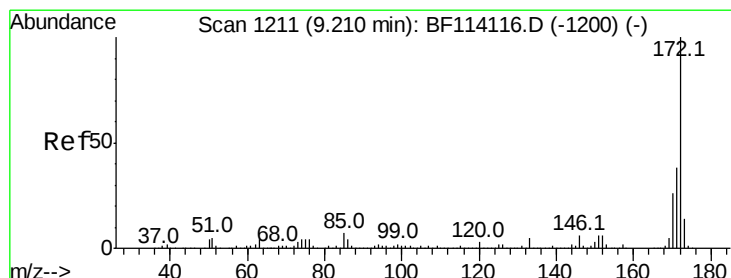
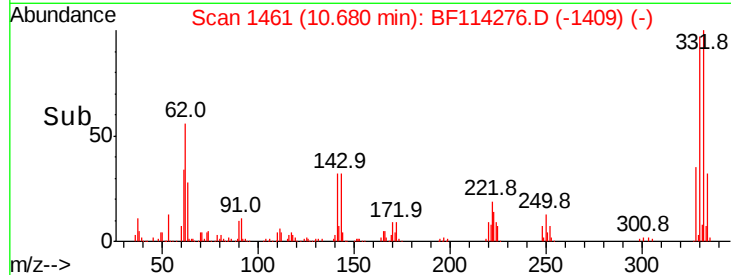
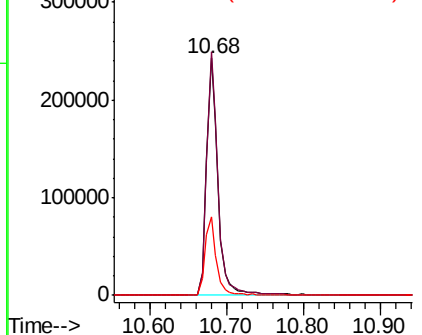
#42  
 2,4,6-Tribromophenol  
 Concen: 73.824 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. 0.01 min  
 Lab File: BF114276.D  
 Acq: 15 May 2019 1:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 051119-LIFT-F-U-S

Tot Ion:330 Resp: 252404  
 Ion Ratio Lower Upper  
 330 100  
 332 100.5 81.4 122.2  
 141 32.7 26.6 40.0

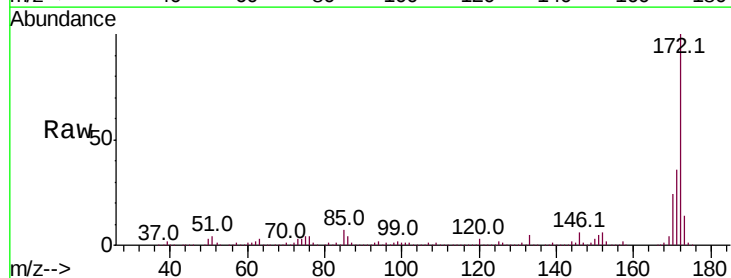


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

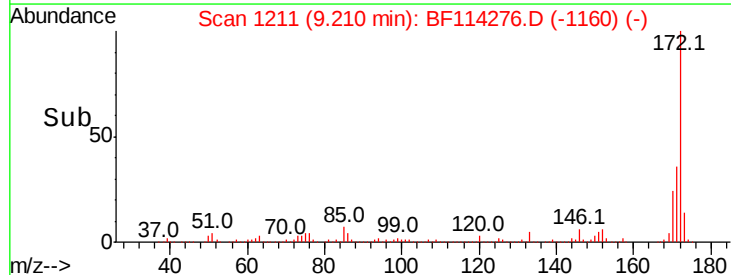
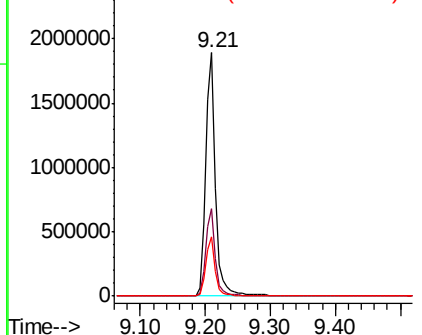


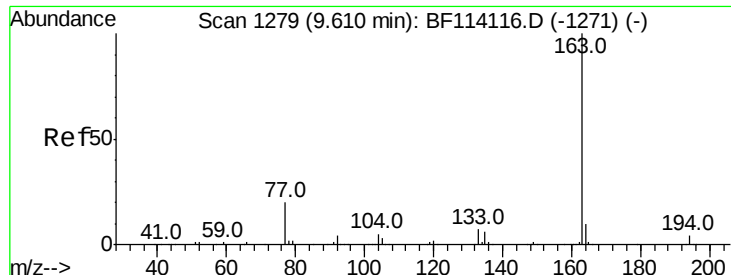
#45  
 2-Fluorobiphenyl  
 Concen: 89.794 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.00 min  
 Lab File: BF114276.D  
 Acq: 15 May 2019 1:29

Tgt Ion:172 Resp: 1963160  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 30.7 46.1  
 170 24.4 20.5 30.7



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

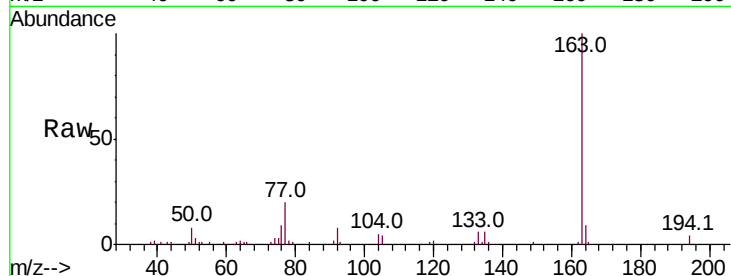




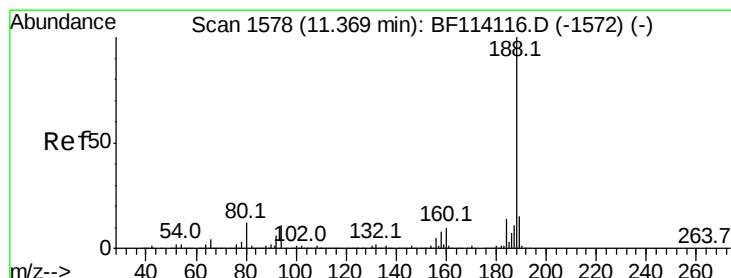
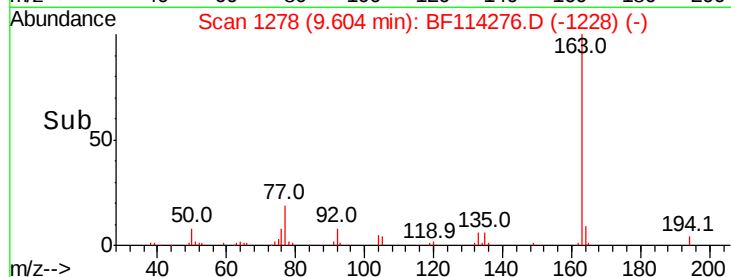
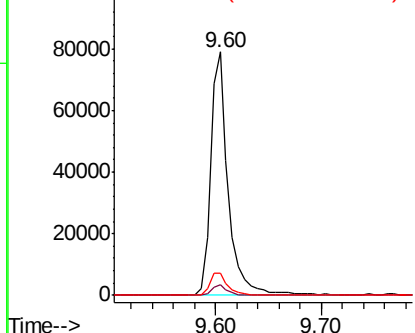
#50  
Dimethylphthalate  
Concen: 3.766 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.01 min  
Lab File: BF114276.D  
Acq: 15 May 2019 1:29

Instrument :  
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Tot Ion:163 Resp: 91434  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 9.2 8.2 12.2

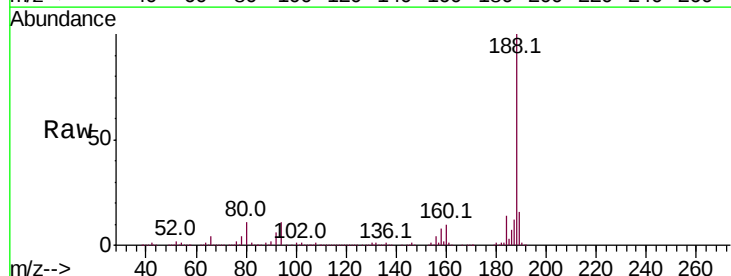


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

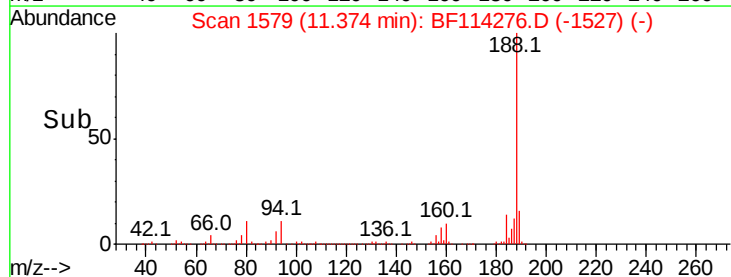
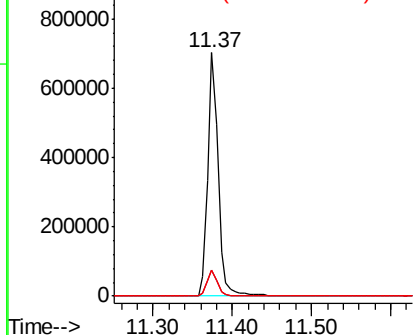


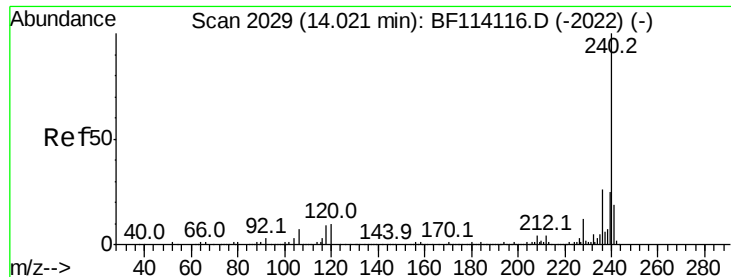
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1579  
Delta R.T. 0.01 min  
Lab File: BF114276.D  
Acq: 15 May 2019 1:29

Tgt Ion:188 Resp: 651300  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.4 12.6  
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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114276.D

Acq: 15 May 2019 1:29

Instrument :

BNA\_F

ClientSampleId :

051119-LIFT-F-U-S

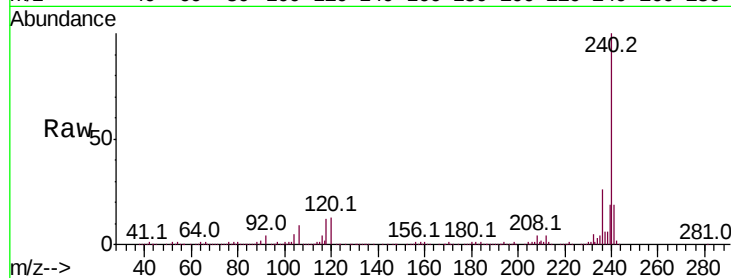
Tot Ion:240 Resp: 518237

Ion Ratio Lower Upper

240 100

120 12.9 8.3 12.5#

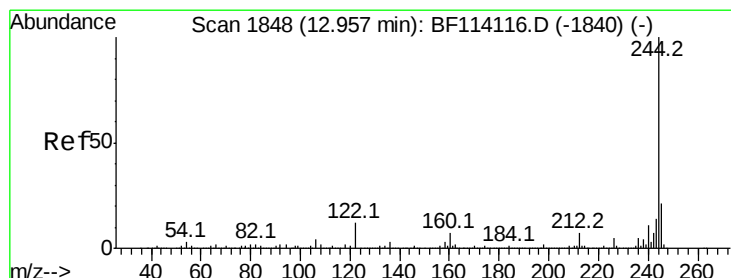
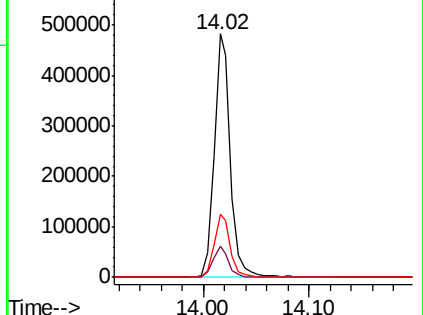
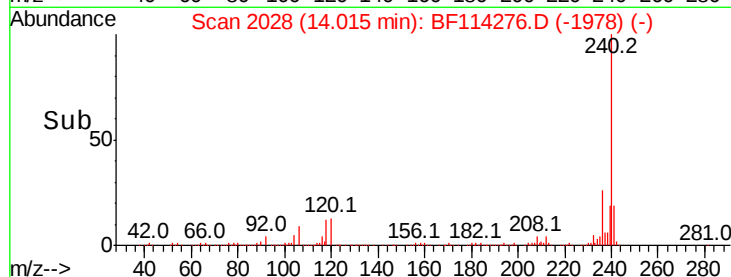
236 26.0 20.8 31.2



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: 74.266 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114276.D

Acq: 15 May 2019 1:29

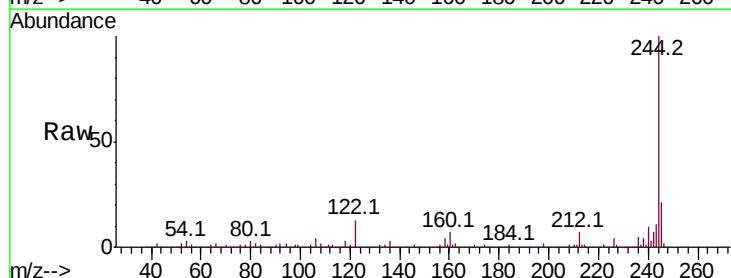
Tgt Ion:244 Resp: 1867034

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

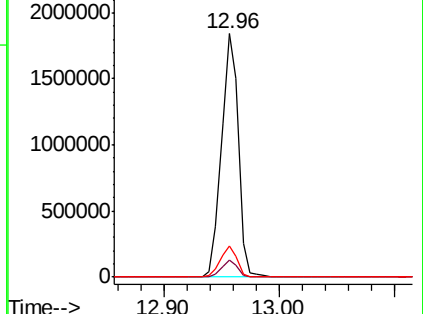
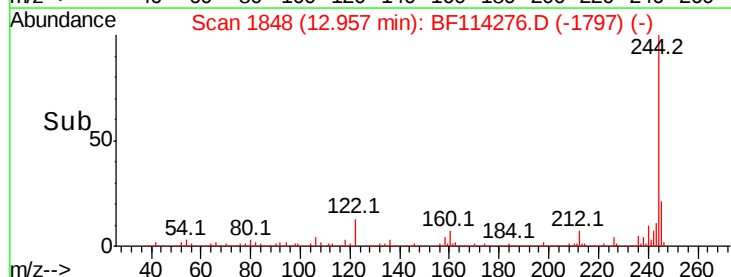
122 13.0 9.4 14.2

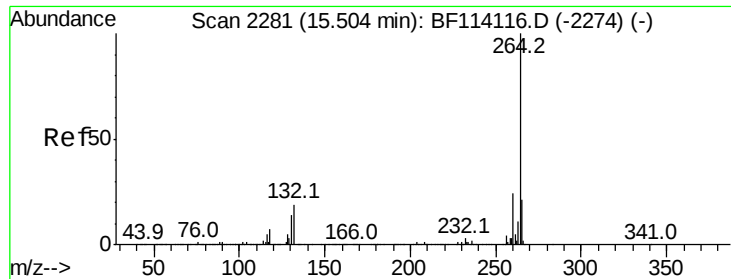


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

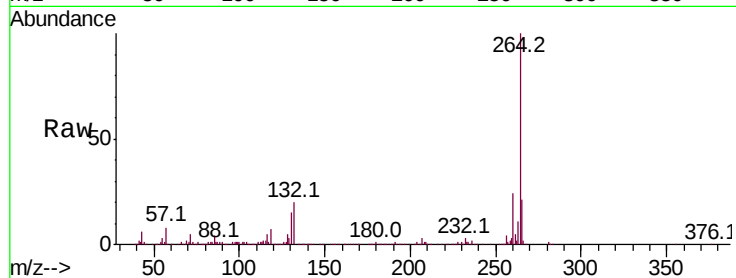




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.01 min  
 Lab File: BF114276.D  
 Acq: 15 May 2019 1:29

Instrument :  
 BNA\_F  
 ClientSampleId :  
 051119-LIFT-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.4  | 29.0  |
| 265     | 20.8  | 16.9  | 25.3  |



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

