

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\  
 Data File : BF116244.D  
 Acq On : 13 Aug 2019 21:42  
 Operator : HP/JU  
 Sample : K4227-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-Q-(0-1)-COMP

Quant Time: Aug 14 01:41:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 142501   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.12  | 136  | 559752   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.87  | 164  | 306993   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 567603   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.00 | 240  | 434729   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.47 | 264  | 369461   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 994499   | 116.83 | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 1198503  | 111.59 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 932975   | 96.21  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 428949   | 144.12 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1570503  | 95.82  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 1866509  | 90.47  | ng    | 0.00     |

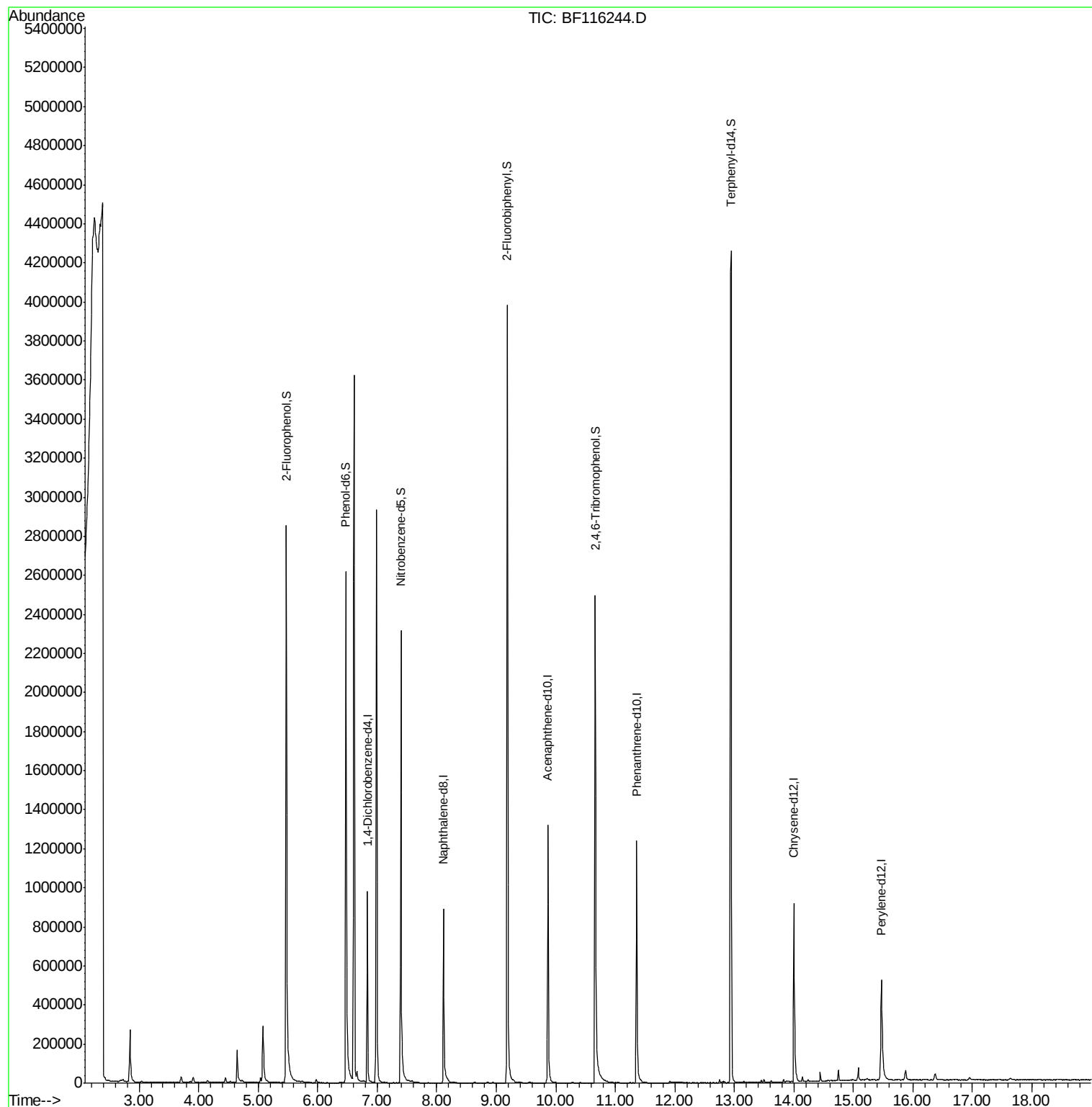
Target Compounds Qvalue

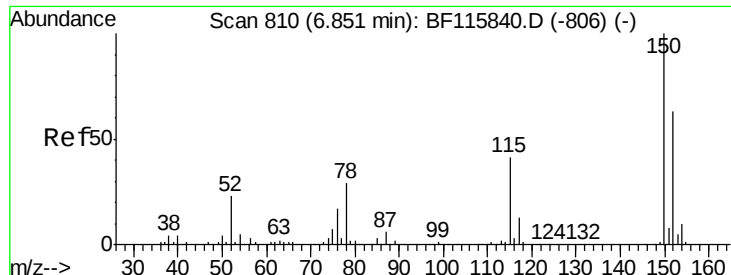
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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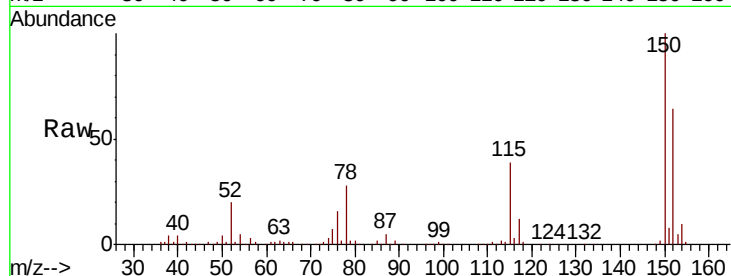


#1

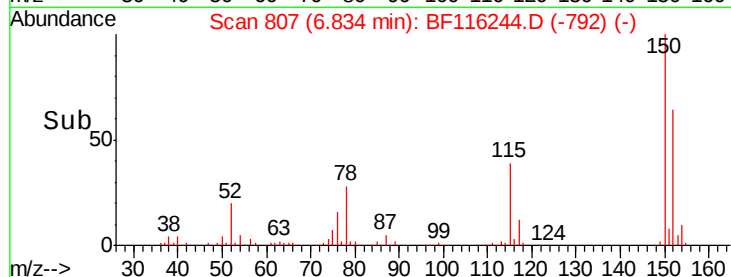
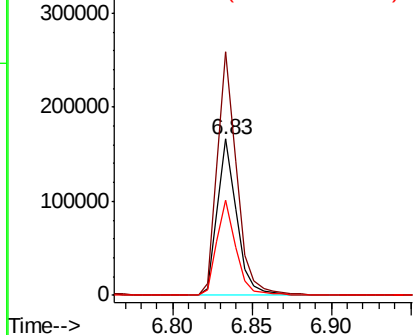
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF116244.D  
Acq: 13 Aug 2019 21:42

Instrument :  
BNA\_F  
ClientSampleId :  
1S-Q-(0-1)-COMP

Tot Ion:152 Resp: 142501  
Ion Ratio Lower Upper  
152 100  
150 156.0 126.2 189.2  
115 60.6 49.9 74.9



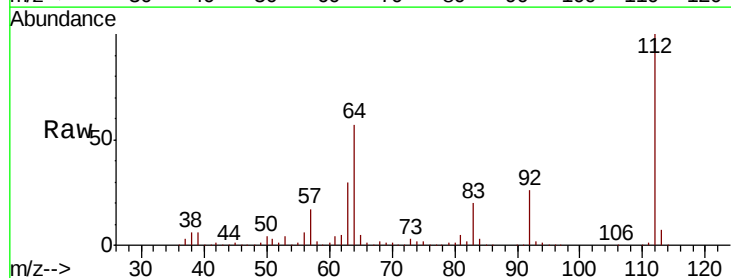
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



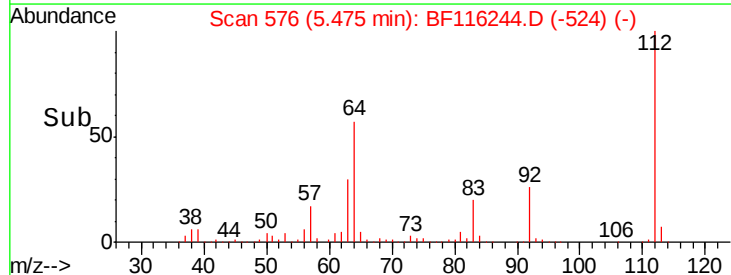
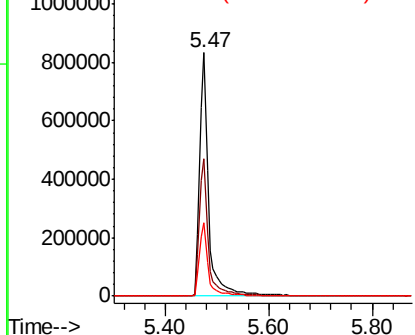
#5

2-Fluorophenol  
Concen: 116.831 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.01 min  
Lab File: BF116244.D  
Acq: 13 Aug 2019 21:42

Tgt Ion:112 Resp: 994499  
Ion Ratio Lower Upper  
112 100  
64 56.5 45.4 68.2  
63 30.1 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: 111.595 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116244.D

Acq: 13 Aug 2019 21:42

Instrument :

BNA\_F

ClientSampleId :

1S-Q-(0-1)-COMP

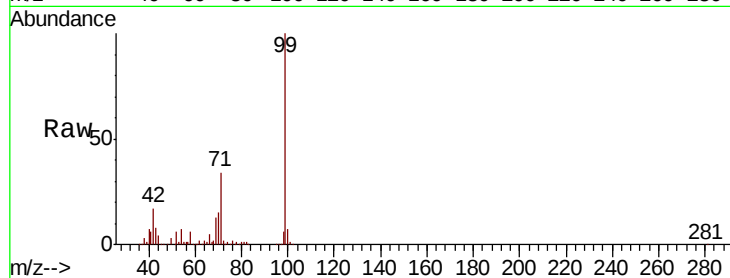
Tot Ion: 99 Resp: 1198503

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.8

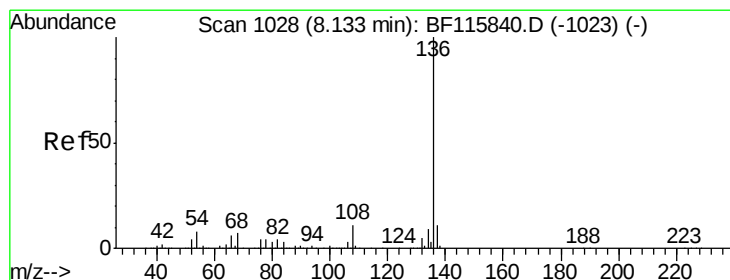
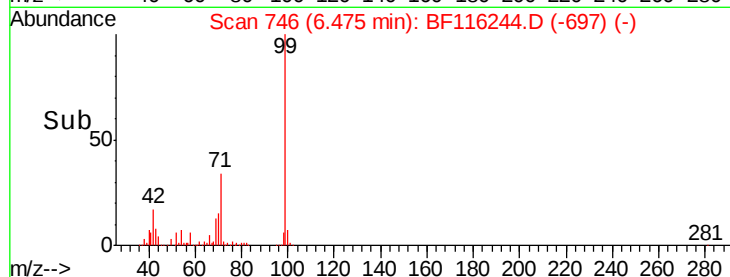
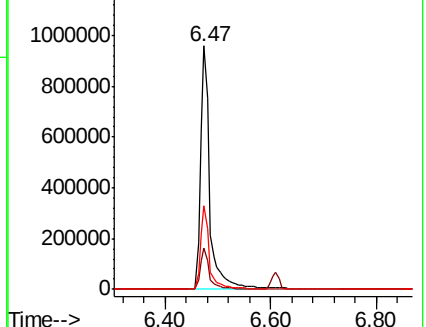
71 34.5 27.3 40.9



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116244.D

Acq: 13 Aug 2019 21:42

Tgt Ion: 136 Resp: 559752

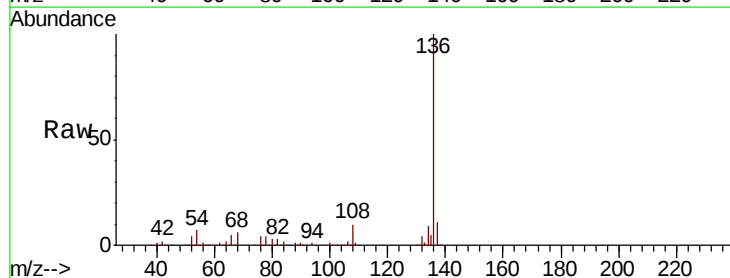
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 5.8 8.6

68 6.0 5.2 7.8

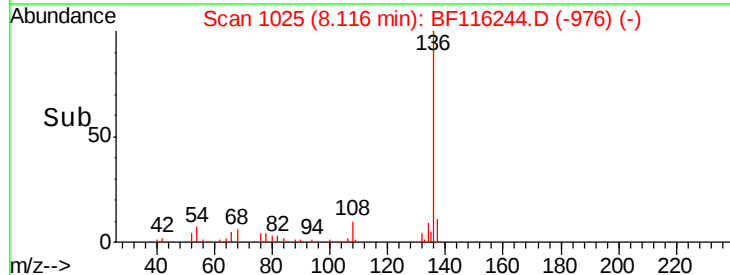
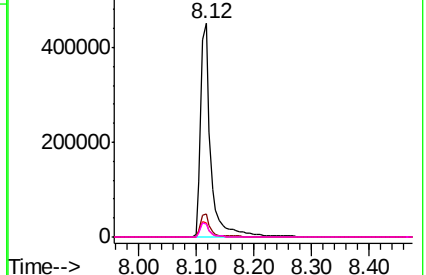


Abundance Ion 136.00 (135.70 to 136.70): E

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

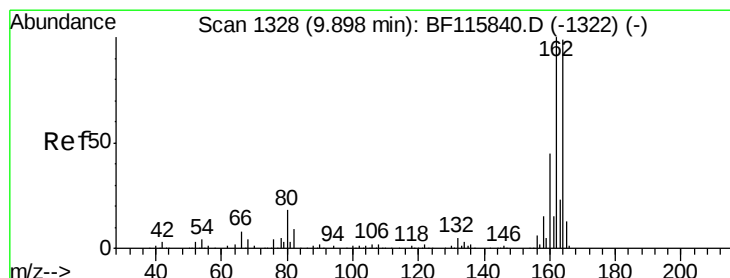
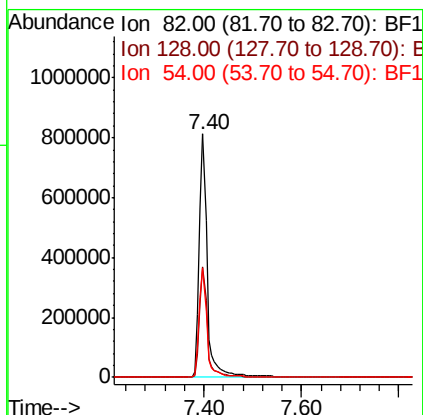
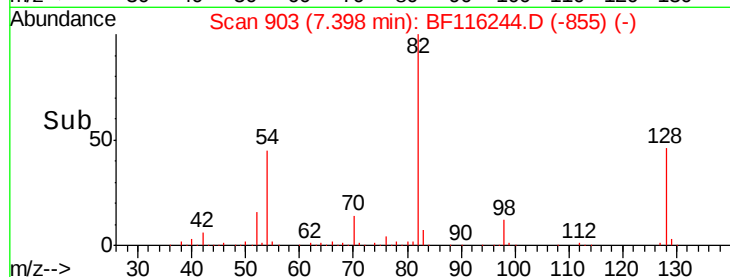
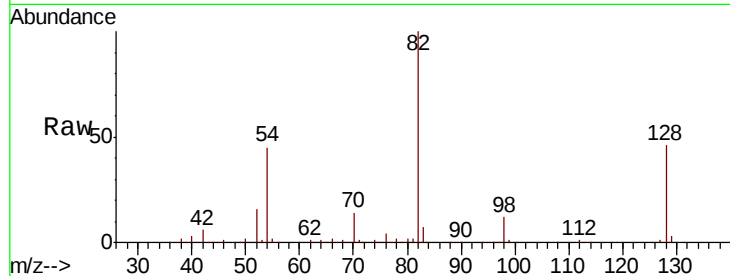




#23  
Nitrobenzene-d5  
Concen: 96.211 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.02 min  
Lab File: BF116244.D  
Acq: 13 Aug 2019 21:42

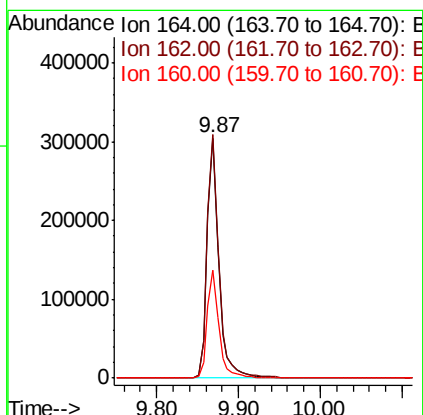
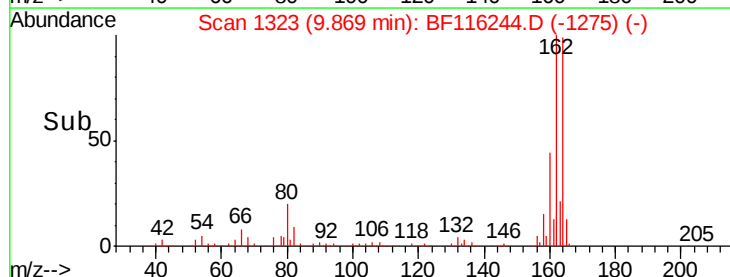
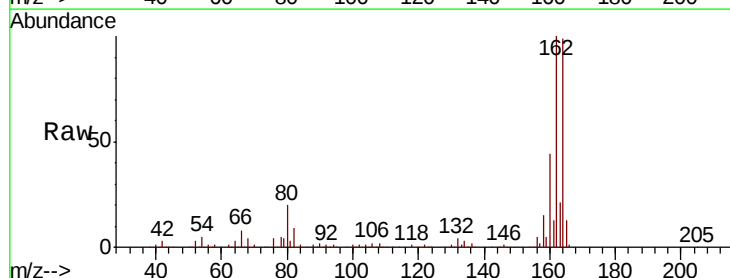
Instrument :  
BNA\_F  
ClientSampleId :  
1S-Q-(0-1)-COMP

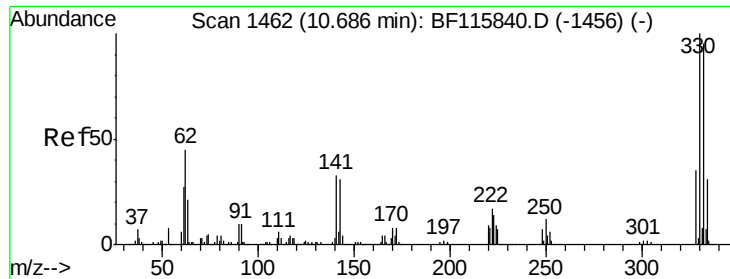
Tot Ion: 82 Resp: 932975  
Ion Ratio Lower Upper  
82 100  
128 45.5 36.5 54.7  
54 44.8 36.0 54.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BF116244.D  
Acq: 13 Aug 2019 21:42

Tgt Ion:164 Resp: 306993  
Ion Ratio Lower Upper  
164 100  
162 101.4 82.6 124.0  
160 45.0 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 144.118 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116244.D

Acq: 13 Aug 2019 21:42

Instrument :

BNA\_F

ClientSampleId :

1S-Q-(0-1)-COMP

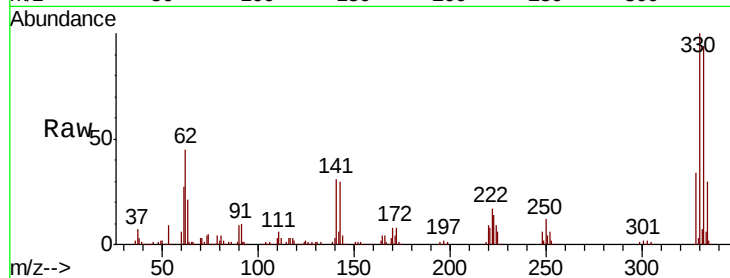
Tot Ion:330 Resp: 428949

Ion Ratio Lower Upper

330 100

332 93.7 76.8 115.2

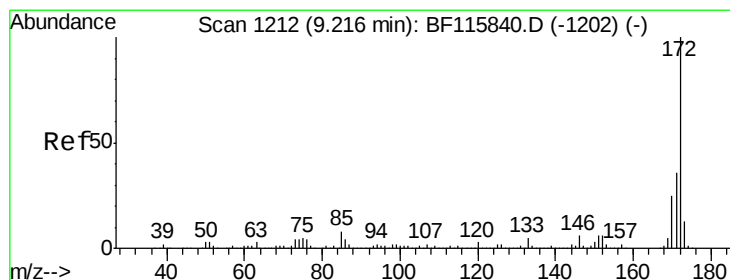
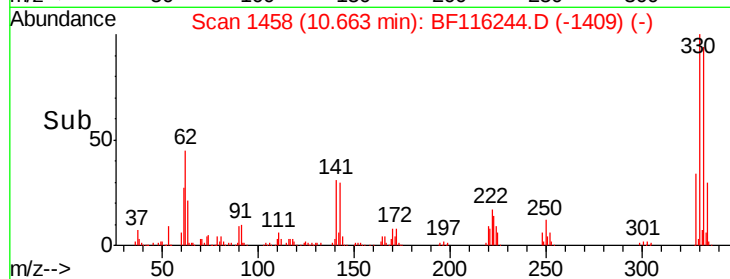
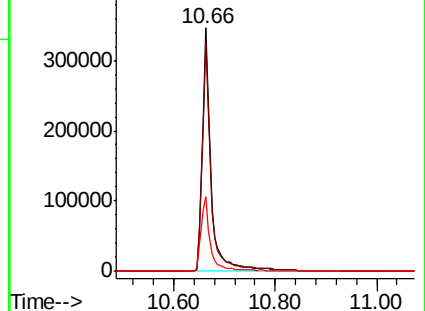
141 32.9 26.3 39.5



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: 95.822 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116244.D

Acq: 13 Aug 2019 21:42

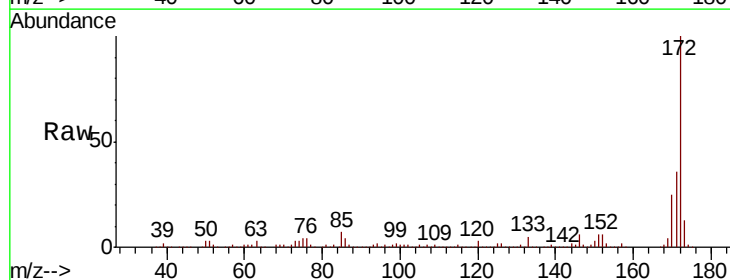
Tgt Ion:172 Resp: 1570503

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

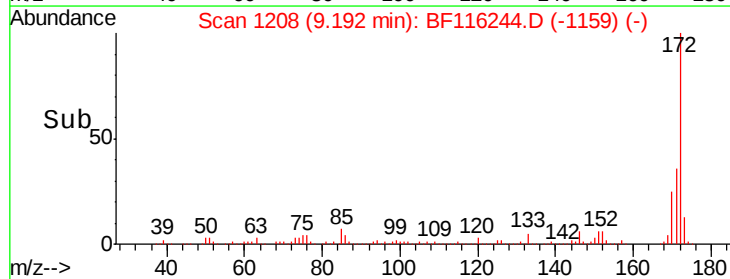
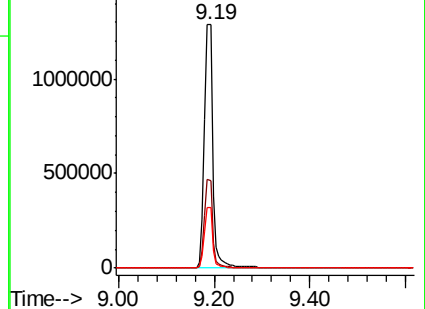
170 24.7 20.1 30.1

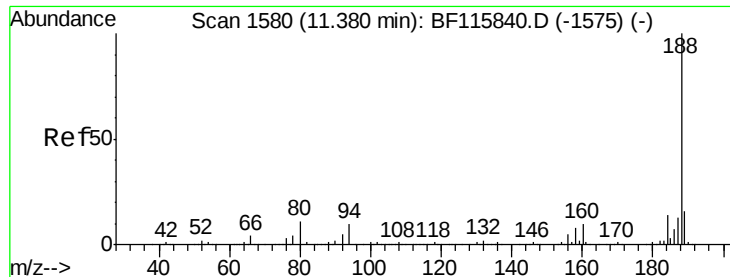


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

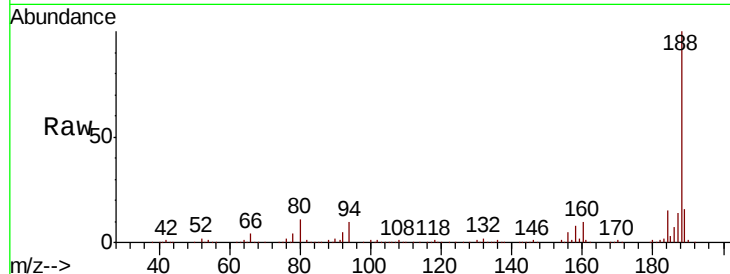




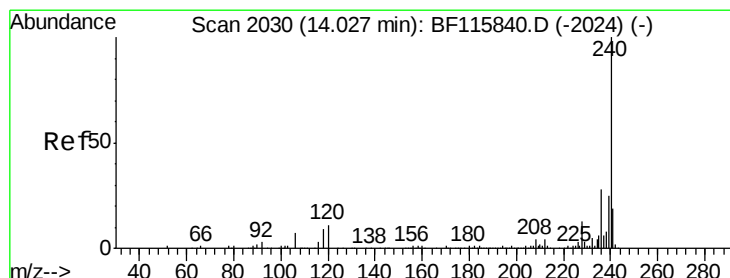
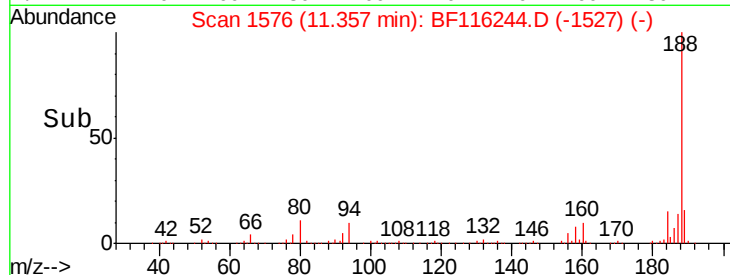
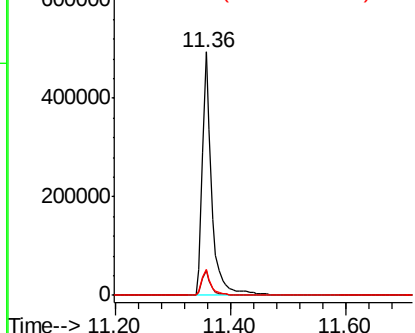
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. -0.01 min  
Lab File: BF116244.D  
Acq: 13 Aug 2019 21:42

Instrument :  
BNA\_F  
ClientSampleId :  
1S-Q-(0-1)-COMP

Tot Ion:188 Resp: 567603  
Ion Ratio Lower Upper  
188 100  
94 10.0 8.1 12.1  
80 10.8 8.7 13.1

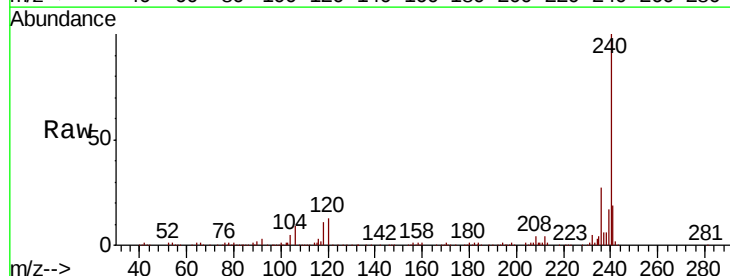


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

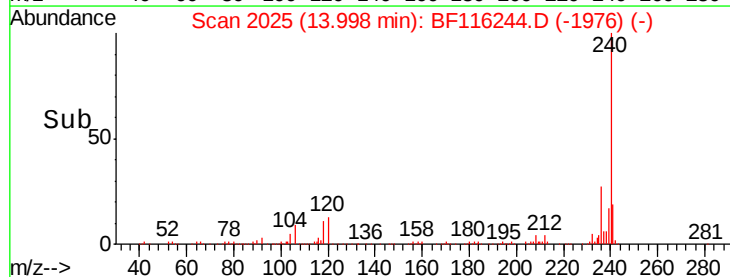
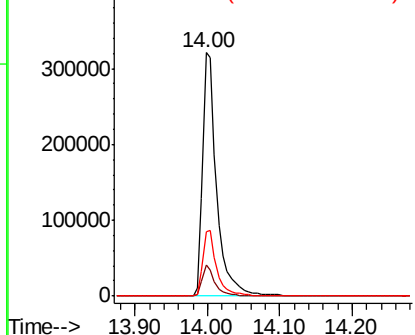


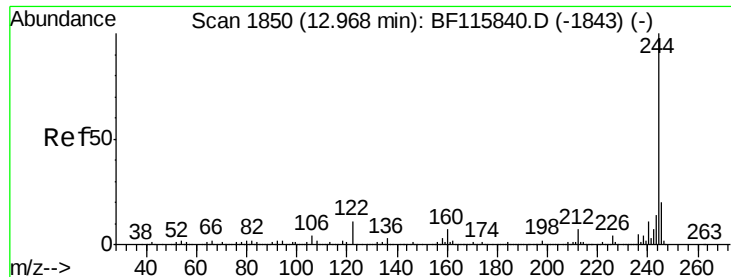
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF116244.D  
Acq: 13 Aug 2019 21:42

Tgt Ion:240 Resp: 434729  
Ion Ratio Lower Upper  
240 100  
120 12.6 10.7 16.1  
236 26.5 22.2 33.2



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



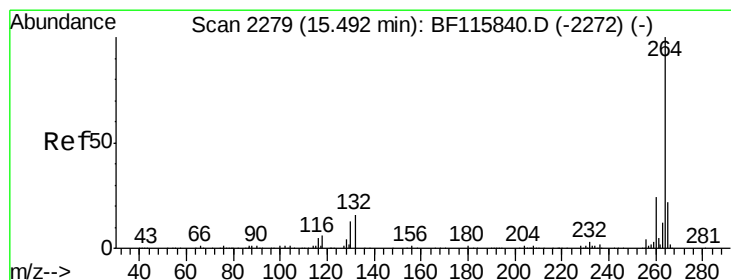
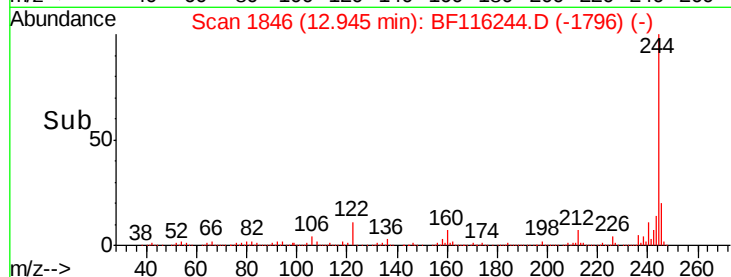
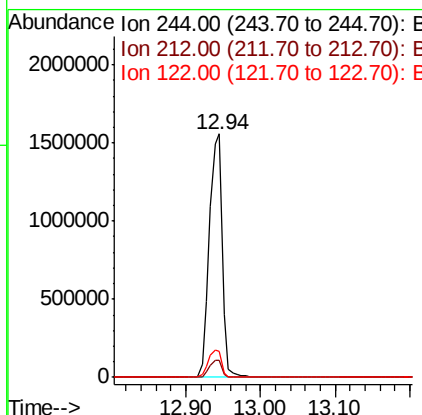
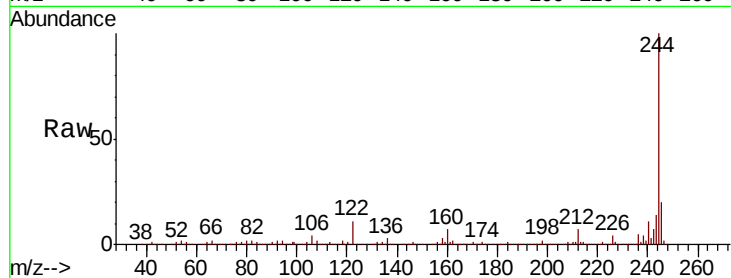


#79  
 Terphenyl-d14  
 Concen: 90.471 ng  
 RT: 12.94 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF116244.D  
 Acq: 13 Aug 2019 21:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-Q-(0-1)-COMP

Tot Ion:244 Resp: 1866509  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.8   | 8.8   |
| 122 | 10.5  | 9.0   | 13.4  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2275  
 Delta R.T. -0.01 min  
 Lab File: BF116244.D  
 Acq: 13 Aug 2019 21:42

Tgt Ion:264 Resp: 369461  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.6  | 19.7  | 29.5  |
| 265 | 22.0  | 17.4  | 26.0  |

