

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022219\  
 Data File : BF112667.D  
 Acq On : 22 Feb 2019 16:35  
 Operator : JU/SJ  
 Sample : PB117293BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB117293BL

Quant Time: Feb 23 00:30:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 58618    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.10  | 136  | 230389   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 9.85  | 164  | 110849   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10        | 11.34 | 188  | 225412   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12            | 13.98 | 240  | 184442   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 15.45 | 264  | 148344   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 345895   | 125.34 | ng    | -0.03    |
| 7) Phenol-d6                | 6.46  | 99   | 444313   | 115.86 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 268122   | 67.06  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 129460   | 100.34 | ng    | -0.04    |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 574622   | 73.32  | ng    | -0.04    |
| 79) Terphenyl-d14           | 12.91 | 244  | 657408   | 67.13  | ng    | -0.04    |

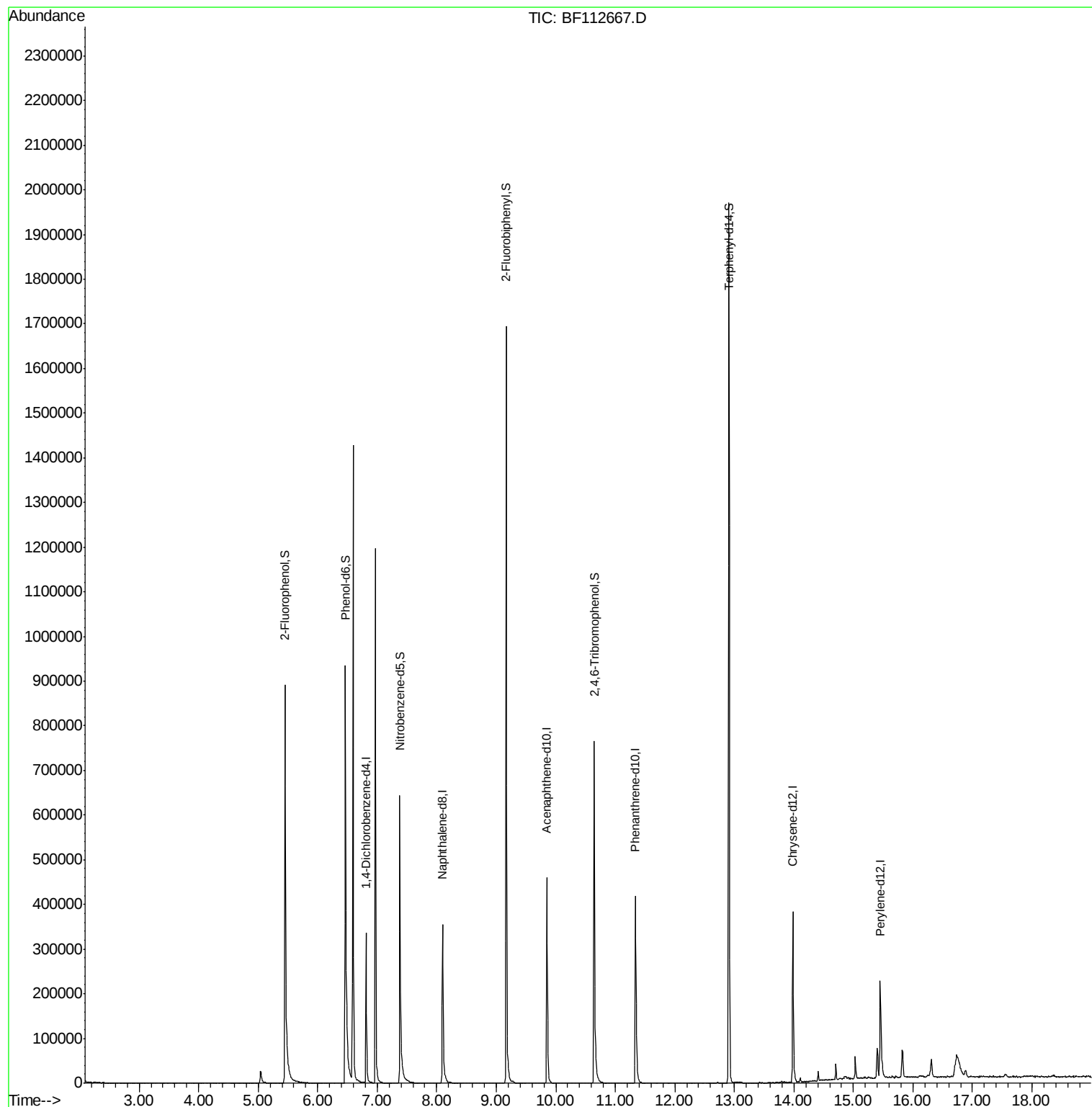
Target Compounds Qvalue

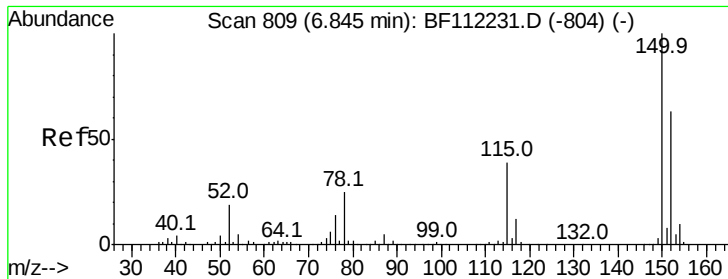
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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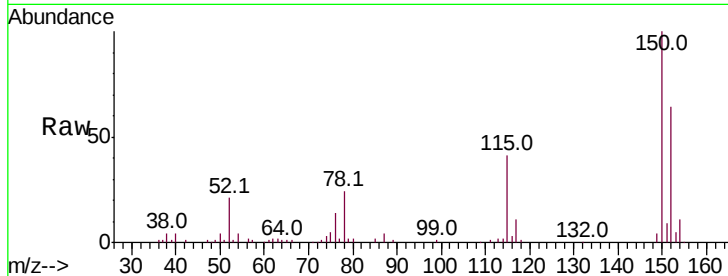


#1

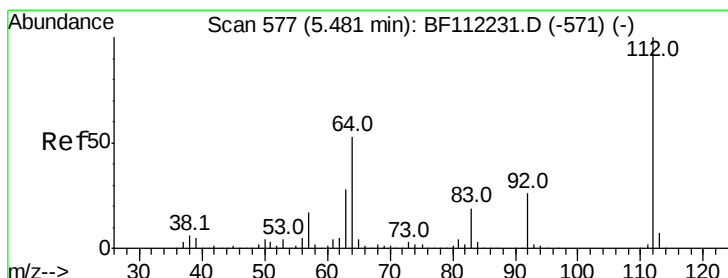
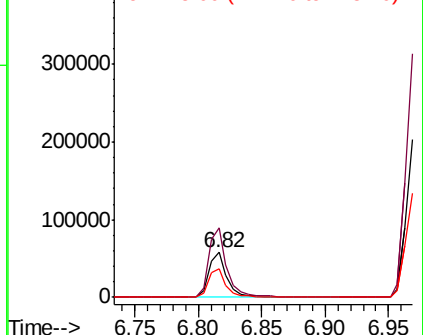
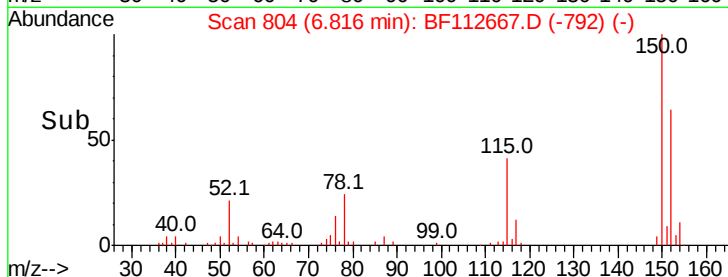
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: BF112667.D  
Acq: 22 Feb 2019 16:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB117293BL

Tot Ion:152 Resp: 58618  
Ion Ratio Lower Upper  
152 100  
150 155.6 127.4 191.0  
115 63.4 45.5 68.3



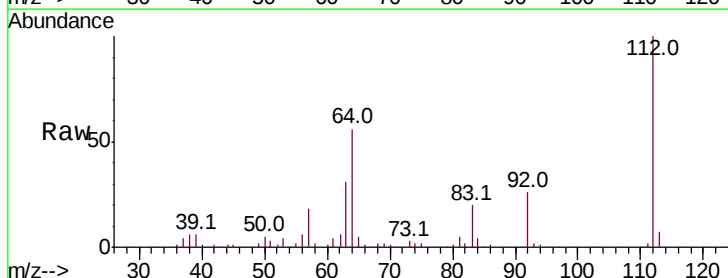
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



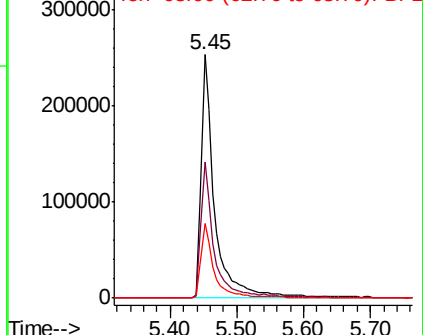
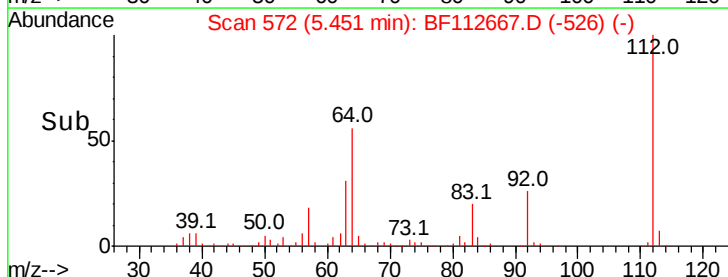
#5

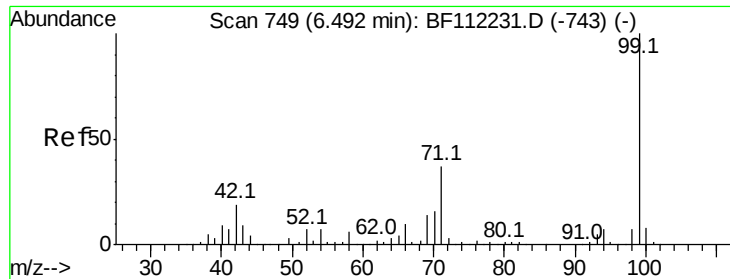
2-Fluorophenol  
Concen: 125.338 ng  
RT: 5.45 min Scan# 572  
Delta R.T. -0.03 min  
Lab File: BF112667.D  
Acq: 22 Feb 2019 16:35

Tgt Ion:112 Resp: 345895  
Ion Ratio Lower Upper  
112 100  
64 56.0 45.7 68.5  
63 30.9 23.6 35.4



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: 115.865 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF112667.D

Acq: 22 Feb 2019 16:35

Instrument :

BNA\_F

ClientSampleId :

PB117293BL

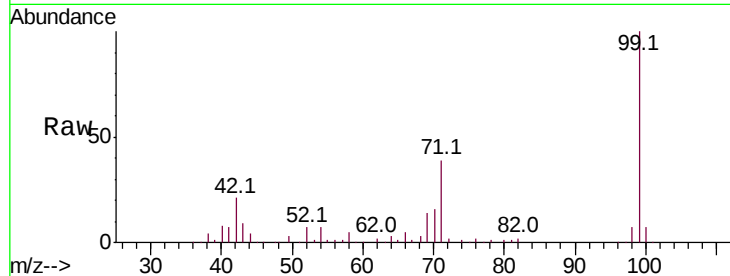
Tot Ion: 99 Resp: 444313

Ion Ratio Lower Upper

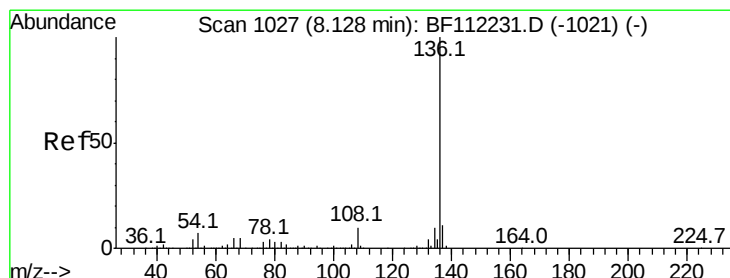
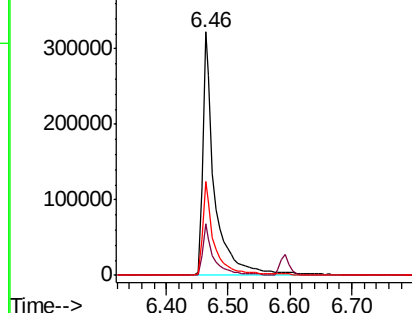
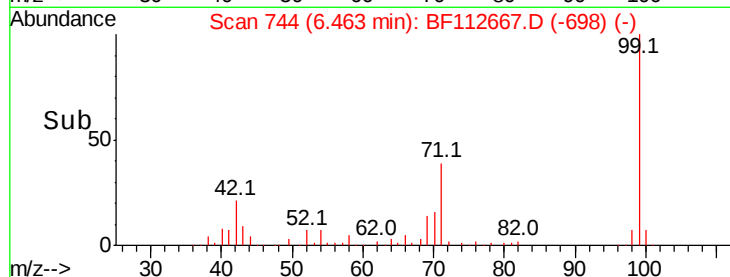
99 100

42 21.2 15.1 22.7

71 38.7 26.9 40.3



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: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF112667.D

Acq: 22 Feb 2019 16:35

Tgt Ion: 136 Resp: 230389

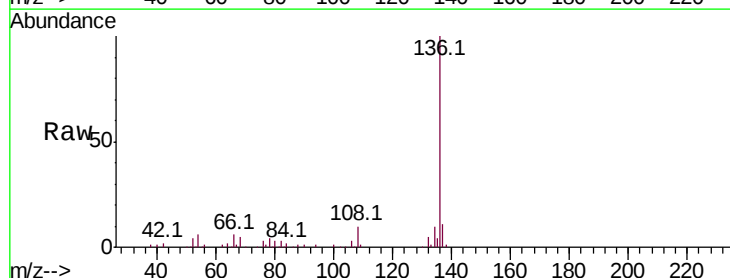
Ion Ratio Lower Upper

136 100

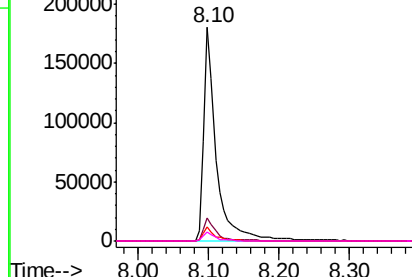
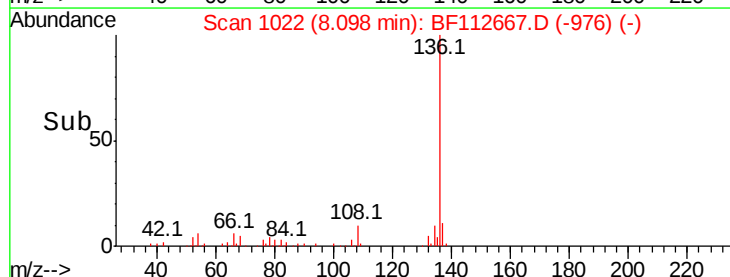
137 11.0 9.1 13.7

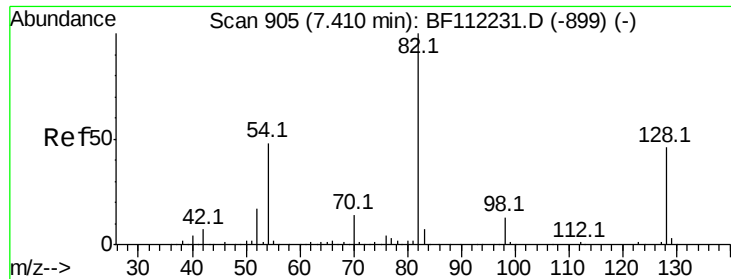
54 6.4 5.9 8.9

68 4.5 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

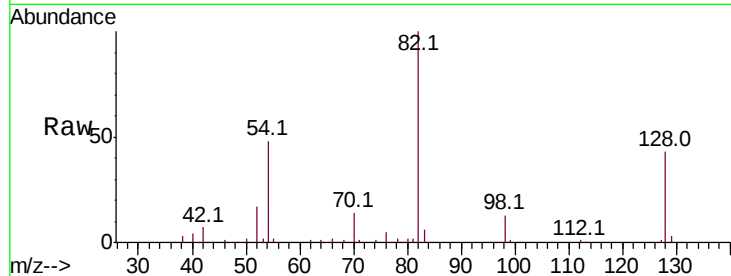




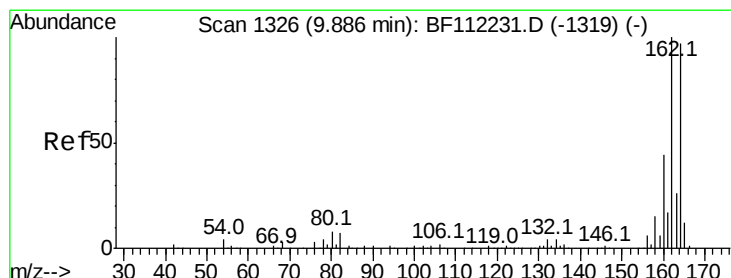
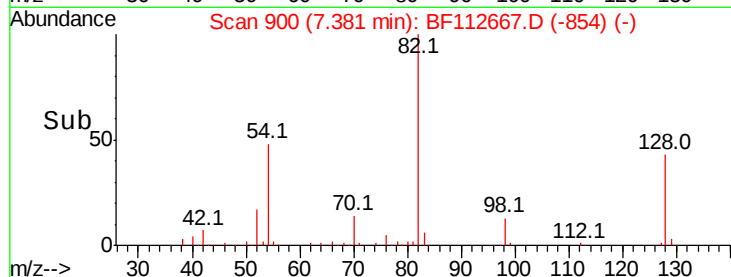
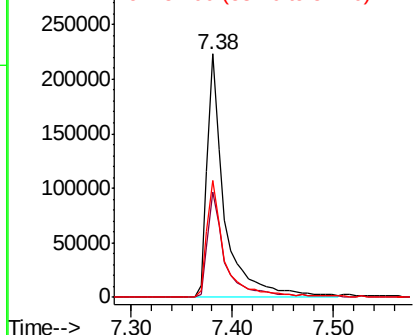
#23  
Nitrobenzene-d5  
Concen: 67.057 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.03 min  
Lab File: BF112667.D  
Acq: 22 Feb 2019 16:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB117293BL

Tot Ion: 82 Resp: 268122  
Ion Ratio Lower Upper  
82 100  
128 43.2 37.8 56.8  
54 47.8 39.7 59.5

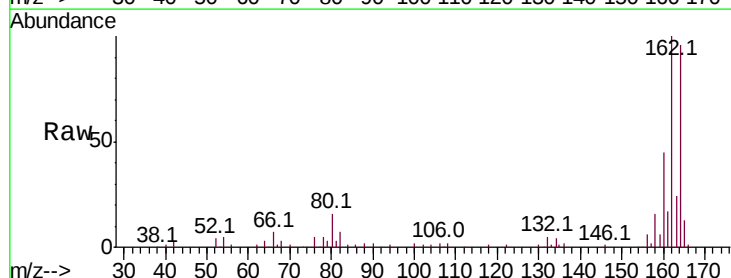


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

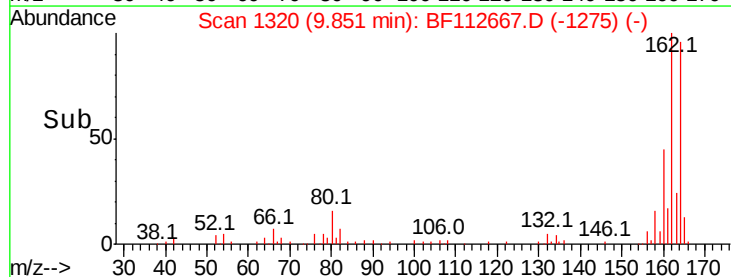
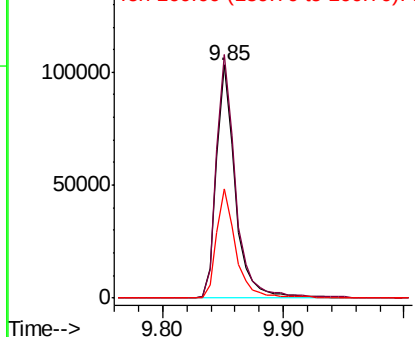


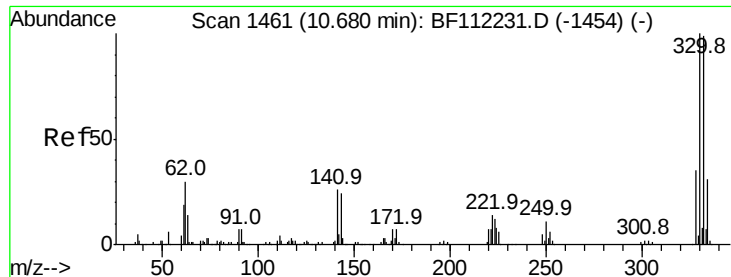
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.04 min  
Lab File: BF112667.D  
Acq: 22 Feb 2019 16:35

Tgt Ion:164 Resp: 110849  
Ion Ratio Lower Upper  
164 100  
162 104.6 82.2 123.4  
160 46.9 36.2 54.4



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: 100.337 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.04 min

Lab File: BF112667.D

Acq: 22 Feb 2019 16:35

Instrument :

BNA\_F

ClientSampleId :

PB117293BL

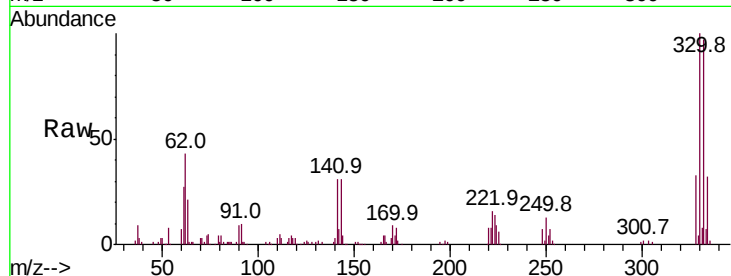
Tot Ion:330 Resp: 129460

Ion Ratio Lower Upper

330 100

332 96.0 76.6 114.8

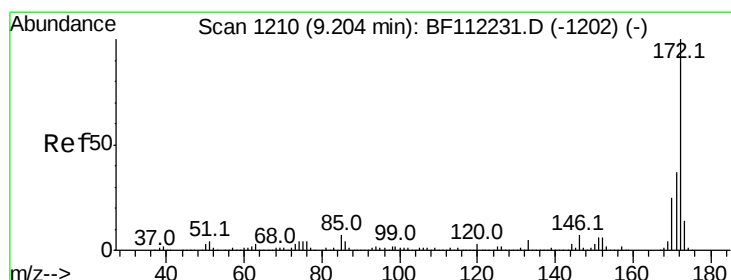
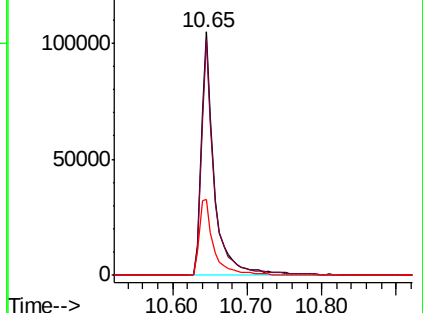
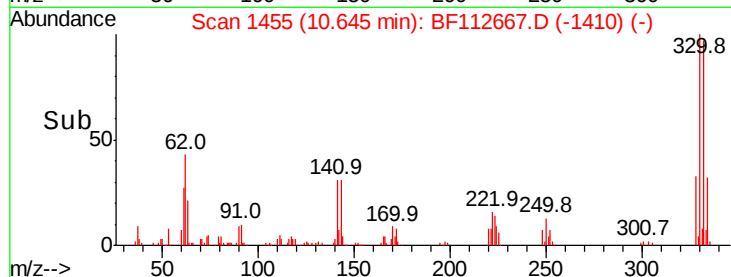
141 34.8 24.3 36.5



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: 73.317 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

Lab File: BF112667.D

Acq: 22 Feb 2019 16:35

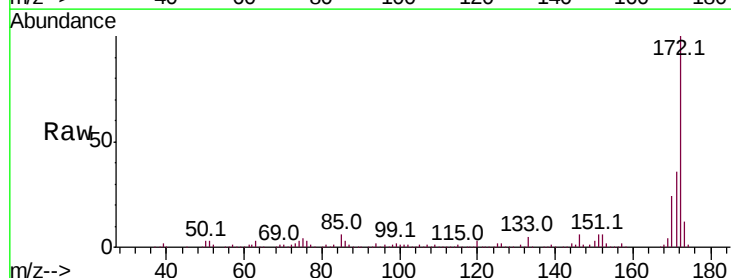
Tgt Ion:172 Resp: 574622

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

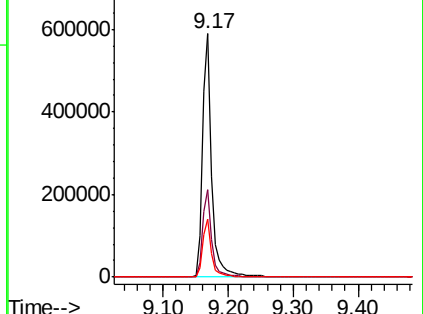
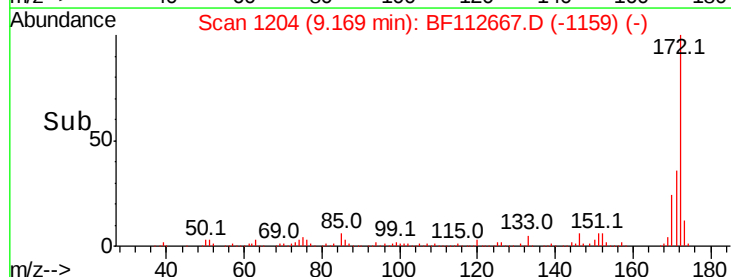
170 23.7 20.2 30.4

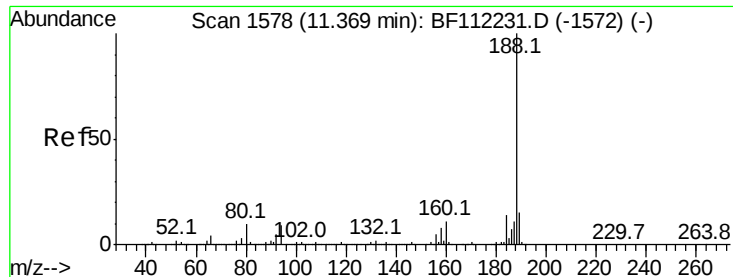


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

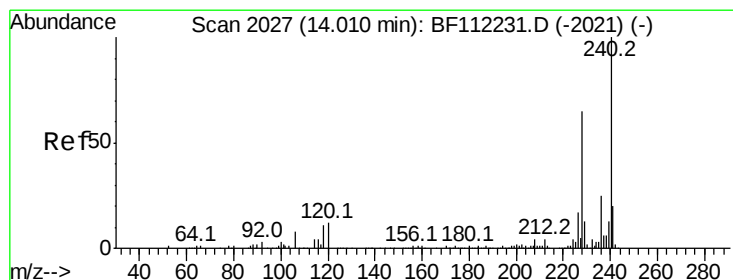
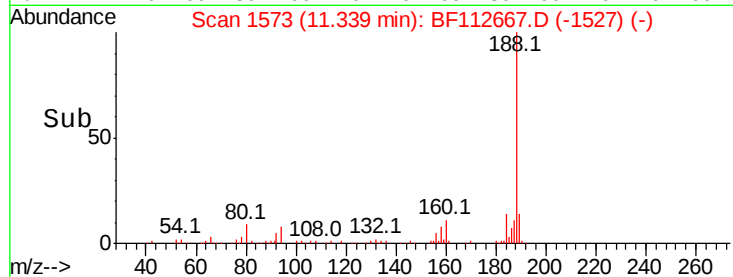
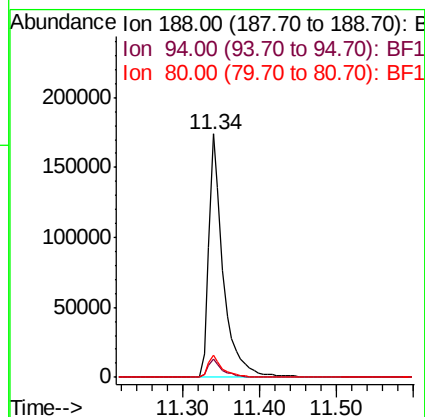
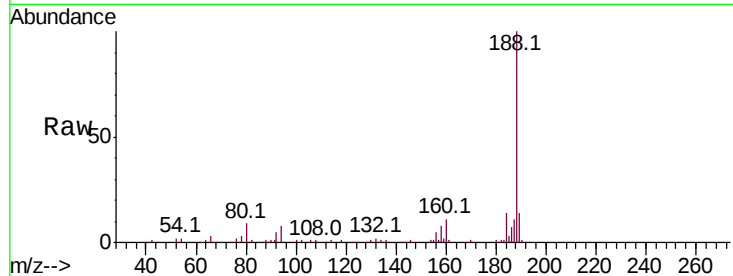




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. -0.03 min  
Lab File: BF112667.D  
Acq: 22 Feb 2019 16:35

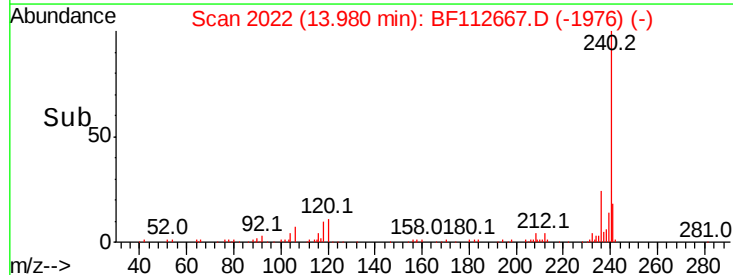
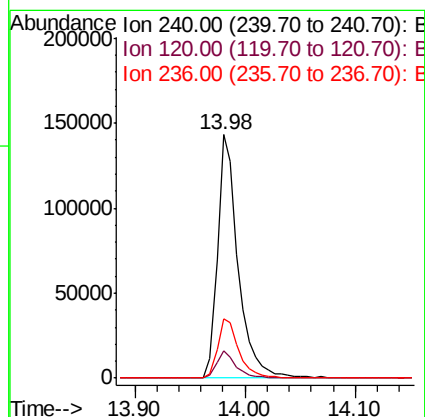
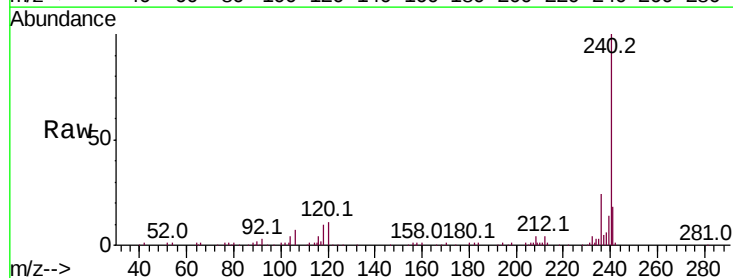
Instrument :  
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PB117293BL

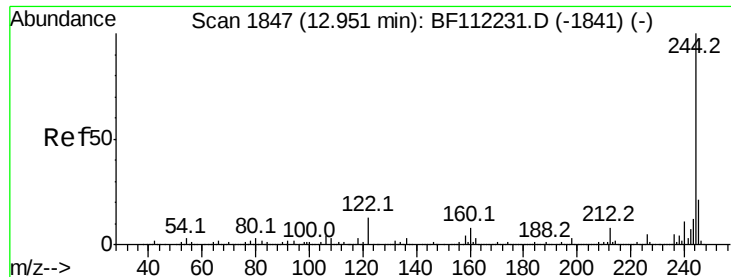
Tot Ion:188 Resp: 225412  
Ion Ratio Lower Upper  
188 100  
94 7.6 8.2 12.2#  
80 9.1 8.9 13.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.03 min  
Lab File: BF112667.D  
Acq: 22 Feb 2019 16:35

Tgt Ion:240 Resp: 184442  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.0 13.6  
236 24.1 20.7 31.1





#79

Terphenyl-d14

Concen: 67.132 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.04 min

Lab File: BF112667.D

Acq: 22 Feb 2019 16:35

Instrument :

BNA\_F

ClientSampleId :

PB117293BL

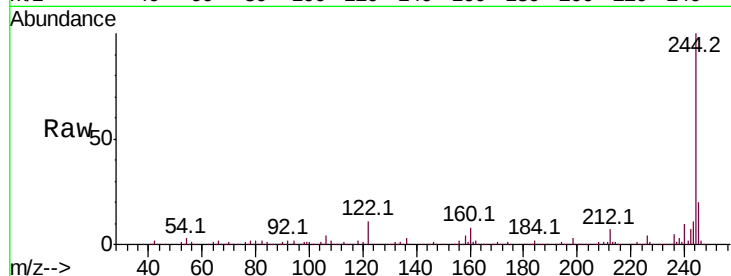
Tot Ion:244 Resp: 657408

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

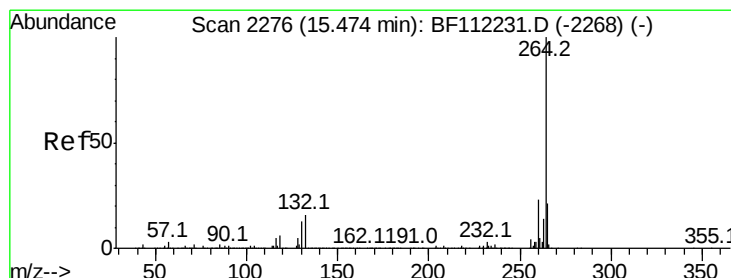
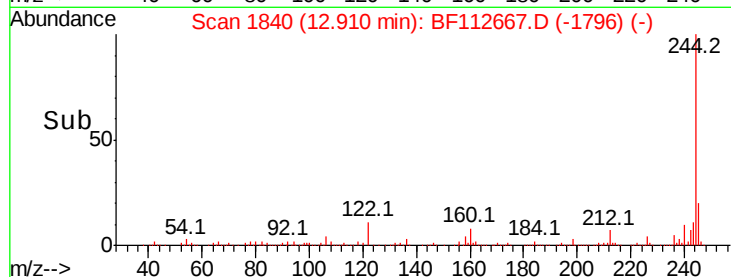
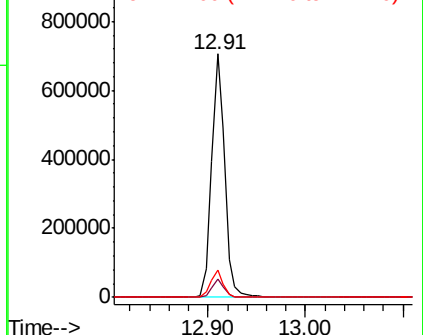
122 11.1 9.8 14.6



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: 15.45 min Scan# 2272

Delta R.T. -0.02 min

Lab File: BF112667.D

Acq: 22 Feb 2019 16:35

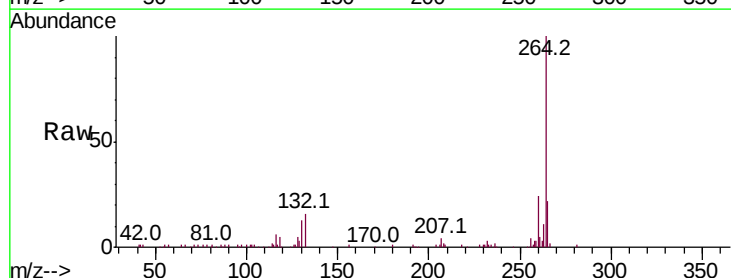
Tgt Ion:264 Resp: 148344

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.2

265 21.9 17.0 25.4



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

