

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\  
 Data File : BP003240.D  
 Acq On : 09 Sep 2020 14:46  
 Operator : CG/JU  
 Sample : L3931-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SP-1-2

Quant Time: Sep 09 15:17:01 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 14:37:05 2020  
 Response via : Initial Calibration

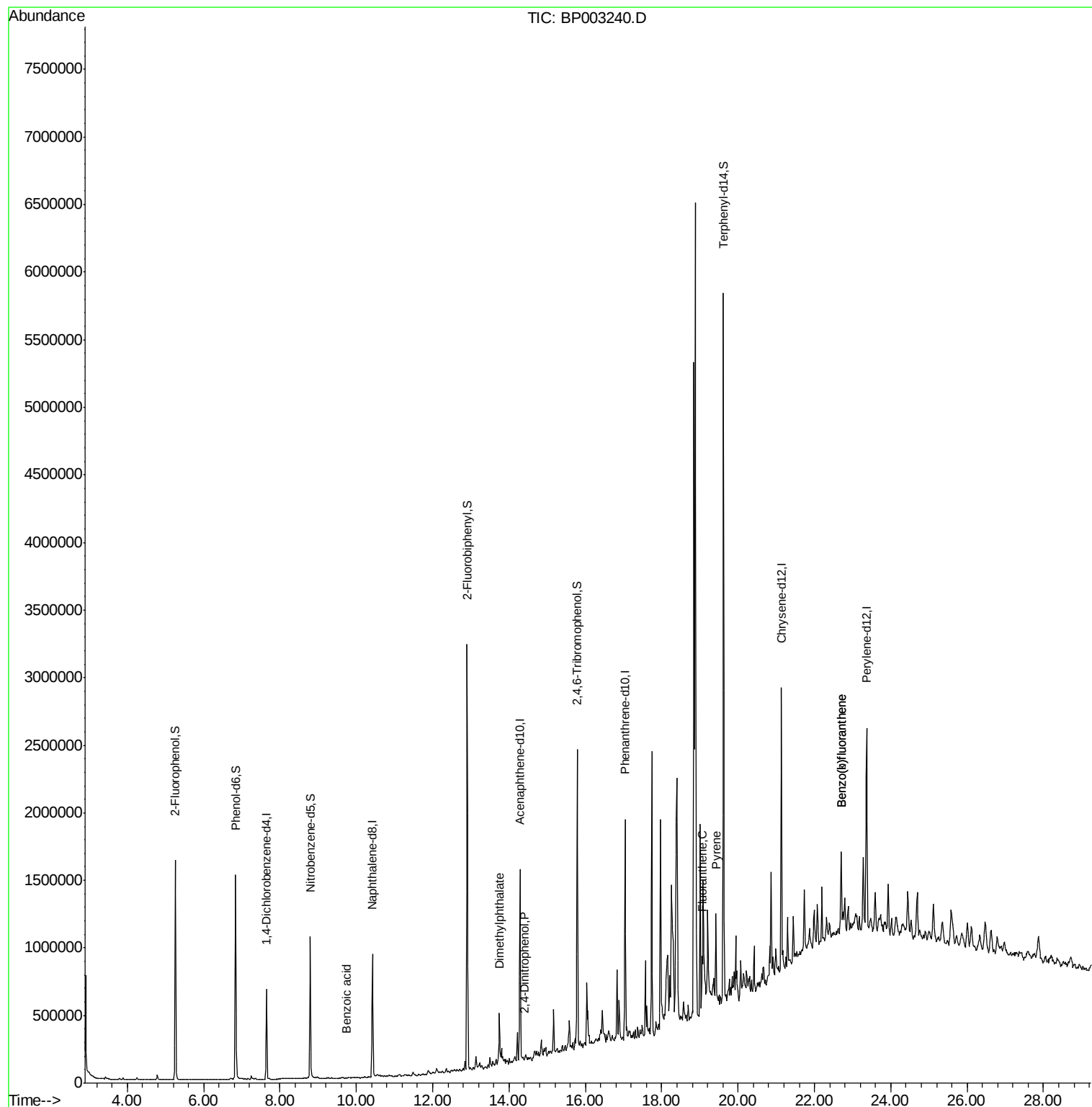
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 204423   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.42 | 136  | 829736   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.29 | 164  | 495439   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.04 | 188  | 988975   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.13 | 240  | 971753   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 23.37 | 264  | 1026936  | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 838687   | 72.54 | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 1039571  | 71.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.79  | 82   | 622384   | 54.08 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.79 | 330  | 505528   | 75.44 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.90 | 172  | 1764069  | 52.14 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.62 | 244  | 2260746  | 51.19 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 32) Benzoic acid            | 9.75  | 122  | 1095     | 9.110 | ng    | # 69     |
| 50) Dimethylphthalate       | 13.75 | 163  | 251619   | 6.660 | ng    | # 99     |
| 54) 2,4-Dinitrophenol       | 14.40 | 184  | 220      | 7.801 | ng    | # 1      |
| 75) Fluoranthene            | 19.06 | 202  | 127810   | 2.064 | ng    | # 97     |
| 78) Pyrene                  | 19.41 | 202  | 160343   | 2.542 | ng    | # 98     |
| 88) Benzo(b)fluoranthene    | 22.70 | 252  | 136673   | 2.141 | ng    | # 64     |
| 89) Benzo(k)fluoranthene    | 22.70 | 252  | 136673   | 2.241 | ng    | # 65     |

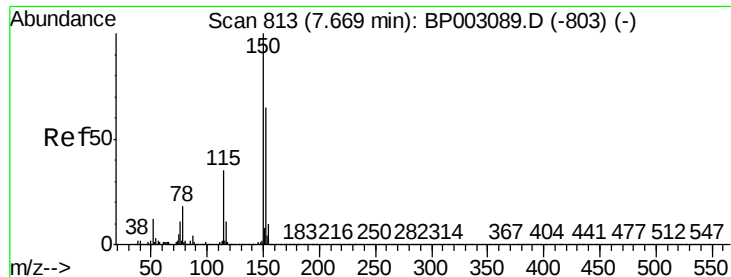
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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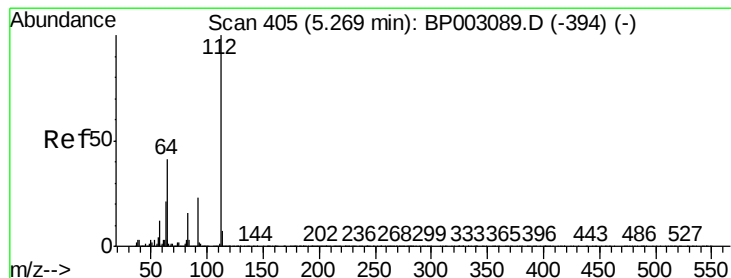
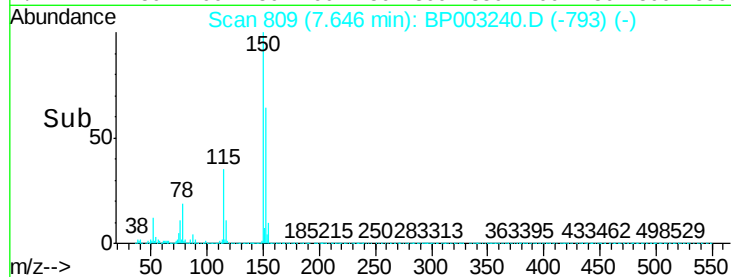
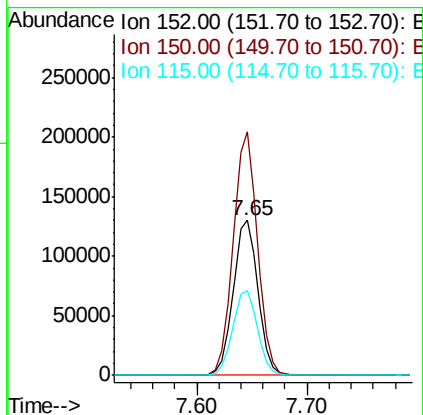
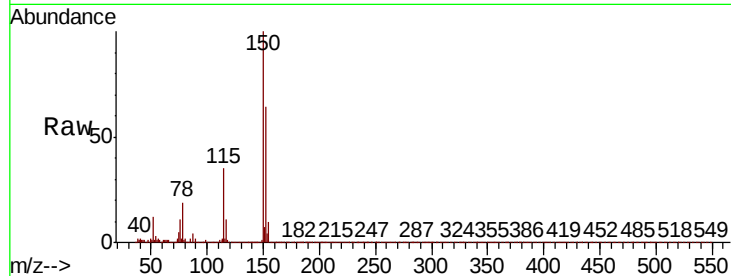


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

Instrument :  
BNA\_P  
ClientSampled :  
SP-1-2

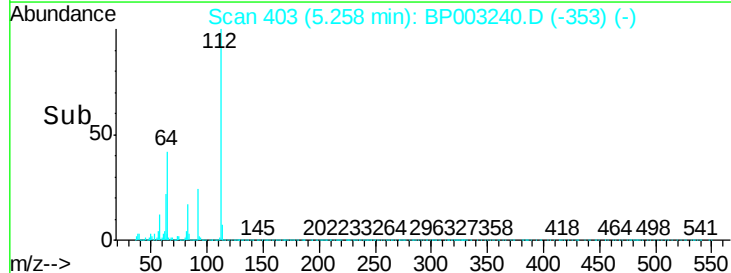
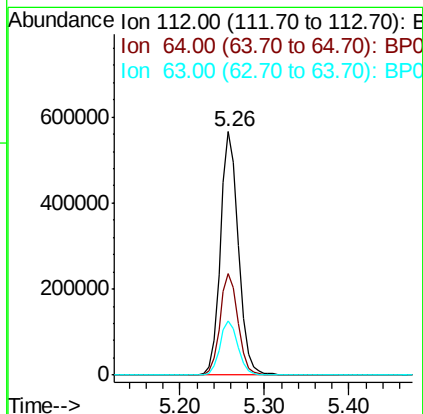
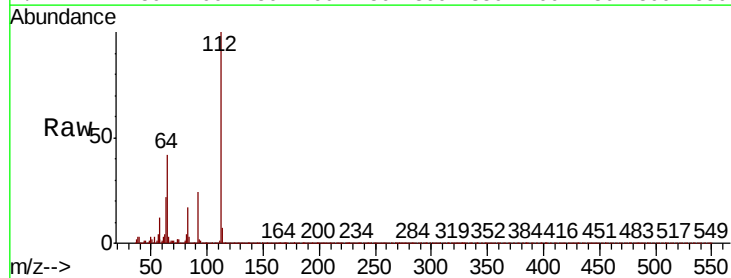
Tot Ion:152 Resp: 204423  
Ion Ratio Lower Upper  
152 100  
150 156.9 123.8 185.6  
115 54.3 43.8 65.6

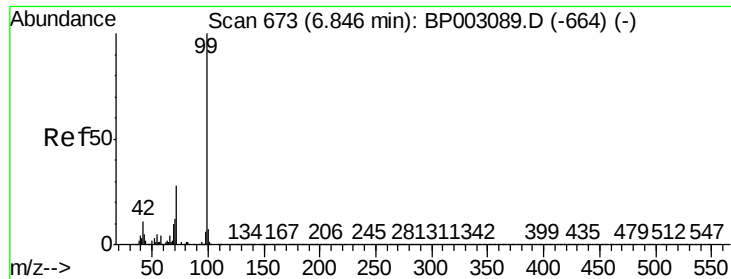


#5

2-Fluorophenol  
Concen: 72.537 ng  
RT: 5.26 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

Tgt Ion:112 Resp: 838687  
Ion Ratio Lower Upper  
112 100  
64 41.9 32.8 49.2  
63 22.4 17.0 25.4





#7

Phenol-d6

Concen: 71.724 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BP003240.D

Acq: 09 Sep 2020 14:46

Instrument :

BNA\_P

ClientSampleId :

SP-1-2

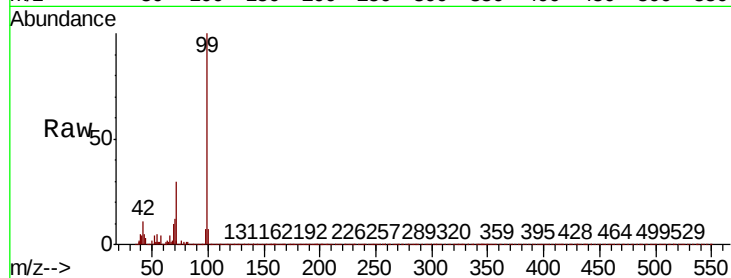
Tot Ion: 99 Resp: 1039571

Ion Ratio Lower Upper

99 100

42 11.5 8.6 13.0

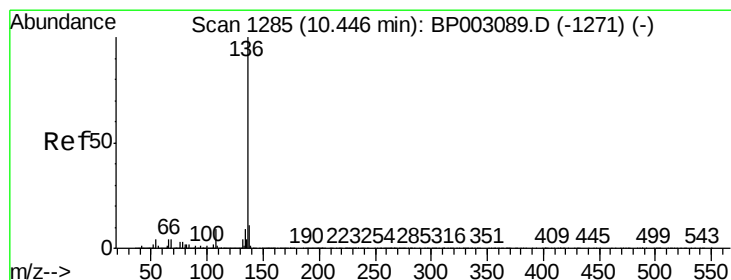
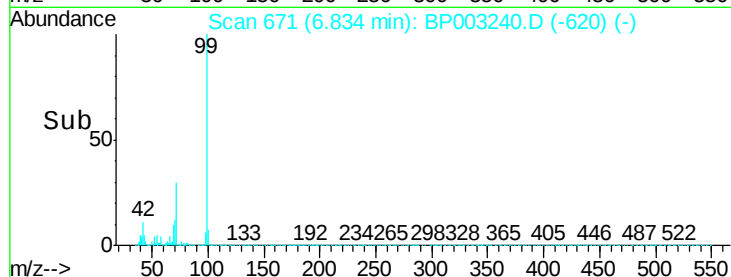
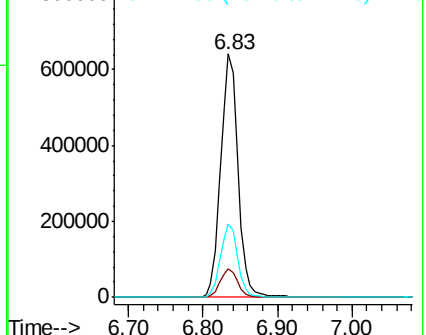
71 30.0 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BP003240.D

Acq: 09 Sep 2020 14:46

Tgt Ion: 136 Resp: 829736

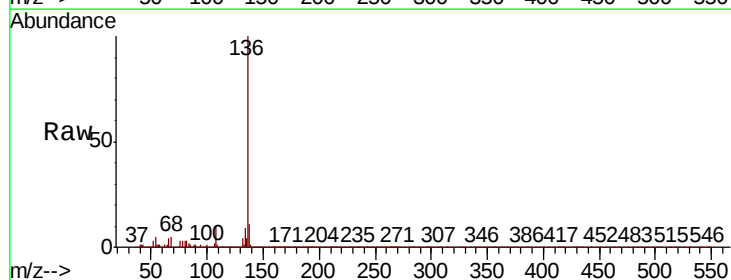
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 4.7 3.6 5.4

68 4.6 3.3 4.9

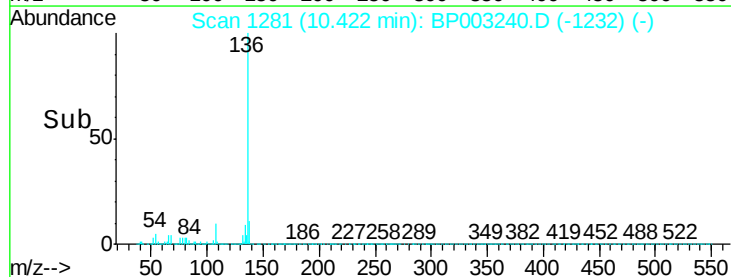
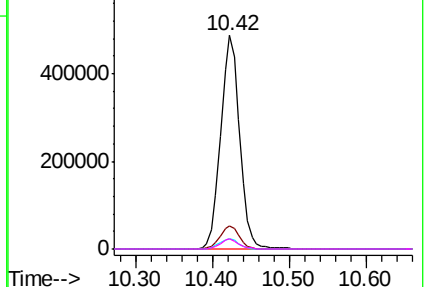


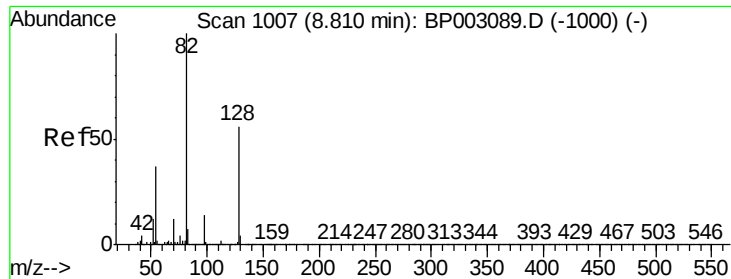
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

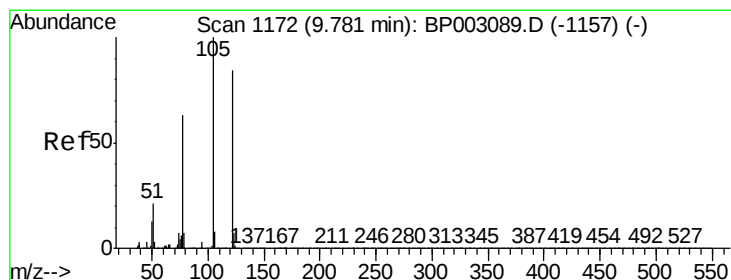
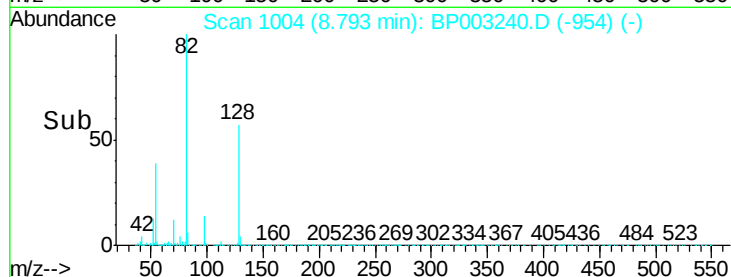
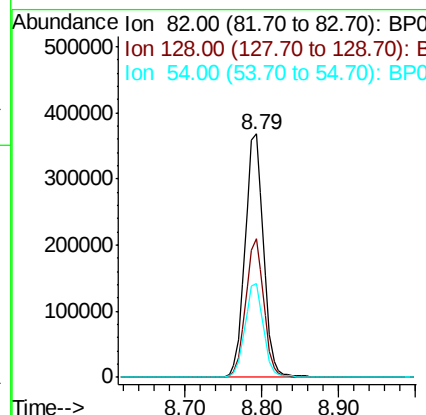
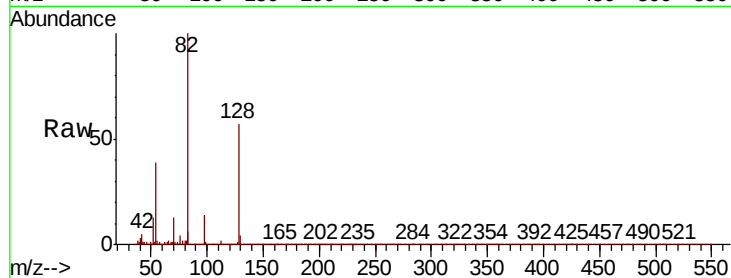




#23  
Nitrobenzene-d5  
Concen: 54.075 ng  
RT: 8.79 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

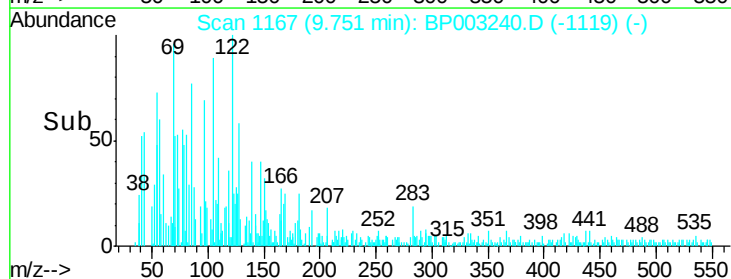
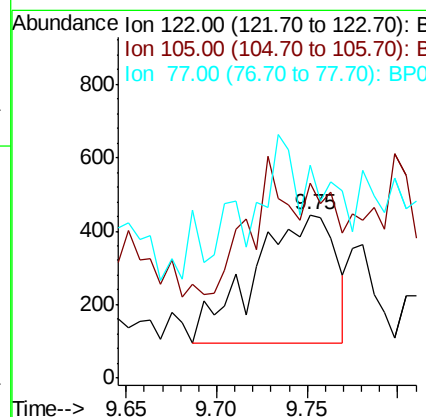
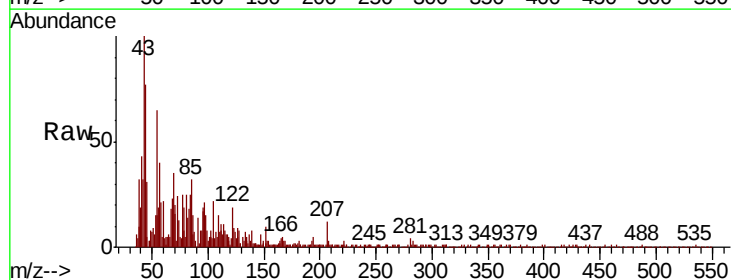
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1-2

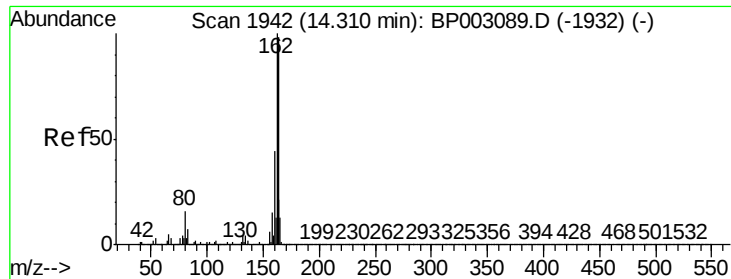
Tot Ion: 82 Resp: 622384  
Ion Ratio Lower Upper  
82 100  
128 56.9 45.6 68.4  
54 38.6 30.1 45.1



#32  
Benzoic acid  
Concen: 9.110 ng  
RT: 9.75 min Scan# 1167  
Delta R.T. -0.02 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

Tgt Ion: 122 Resp: 1095  
Ion Ratio Lower Upper  
122 100  
105 119.3 94.1 134.1  
77 130.3 50.1 90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BP003240.D

Acq: 09 Sep 2020 14:46

Instrument :

BNA\_P

ClientSampleId :

SP-1-2

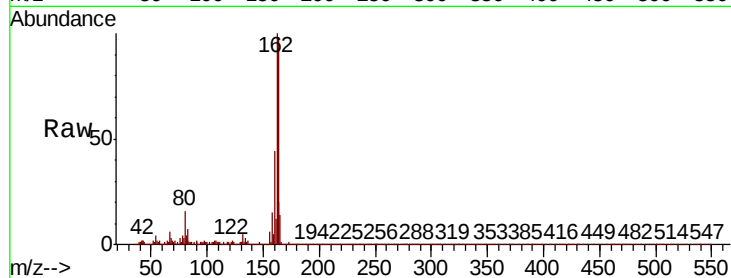
Tot Ion:164 Resp: 495439

Ion Ratio Lower Upper

164 100

162 101.6 79.4 119.2

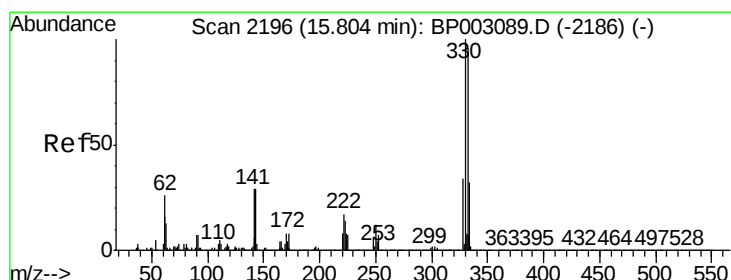
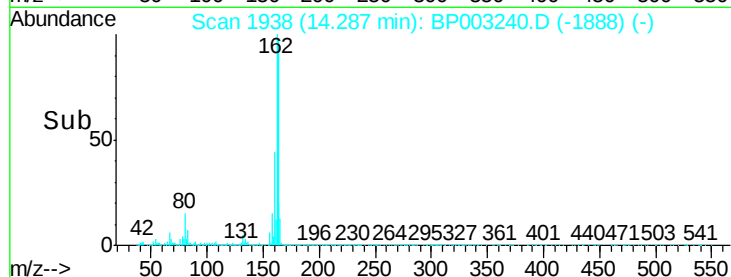
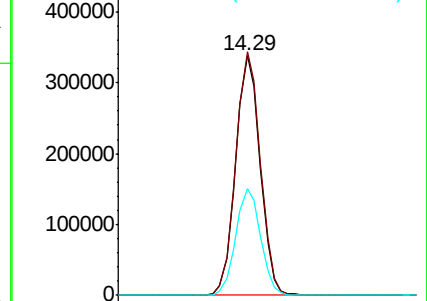
160 44.4 36.1 54.1



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: 75.444 ng

RT: 15.79 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BP003240.D

Acq: 09 Sep 2020 14:46

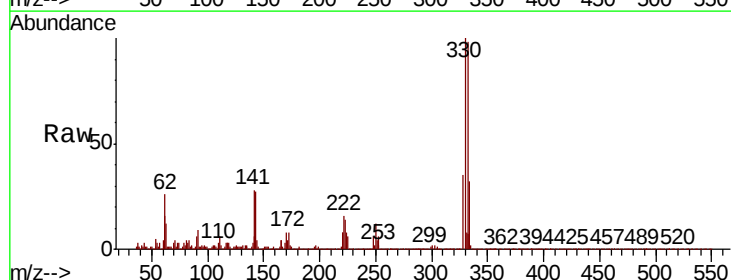
Tgt Ion:330 Resp: 505528

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

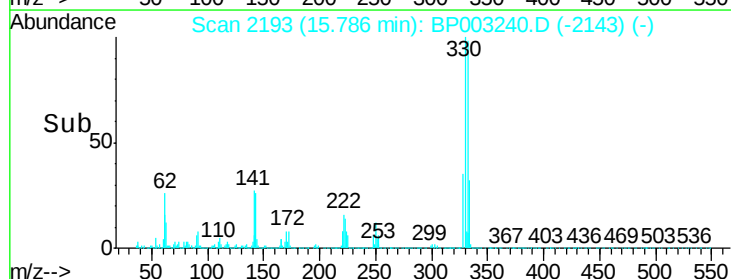
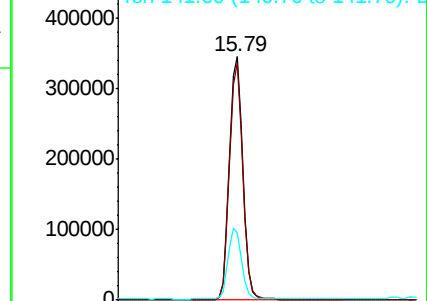
141 28.7 23.4 35.2

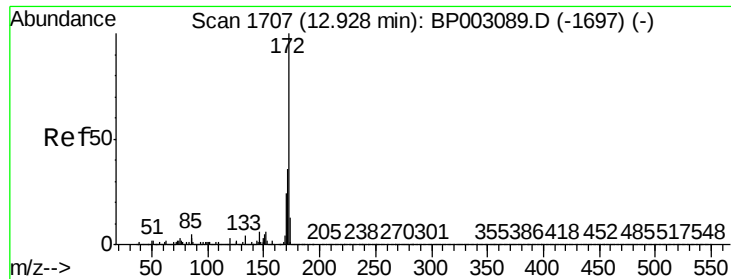


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

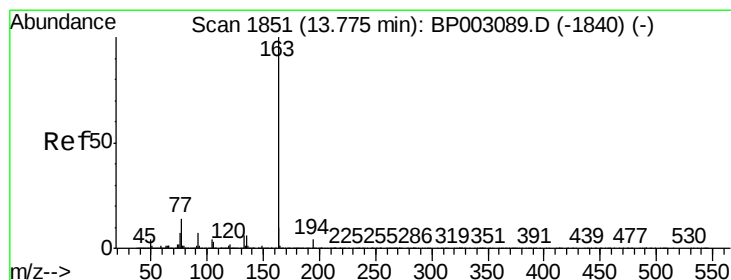
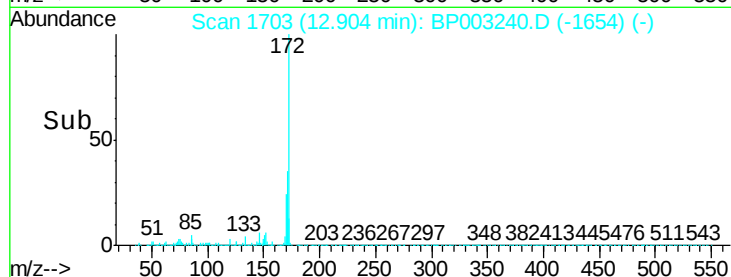
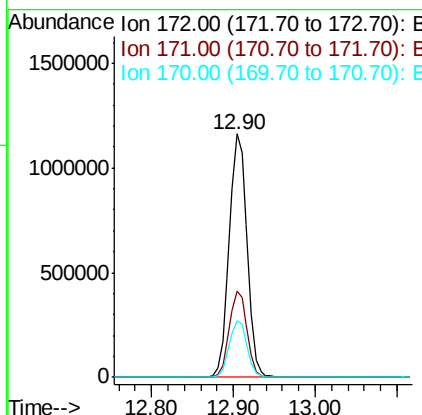
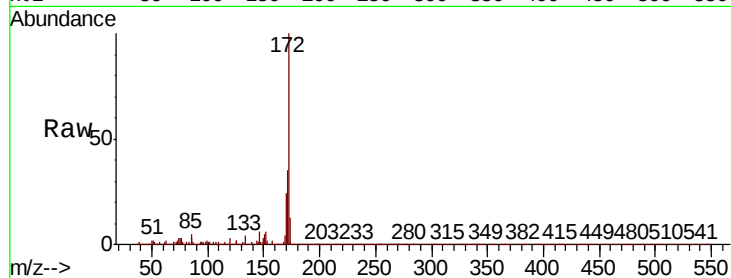




#45  
2-Fluorobiphenyl  
Concen: 52.144 ng  
RT: 12.90 min Scan# 1703  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

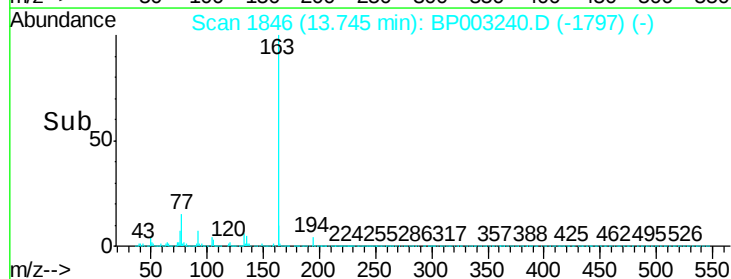
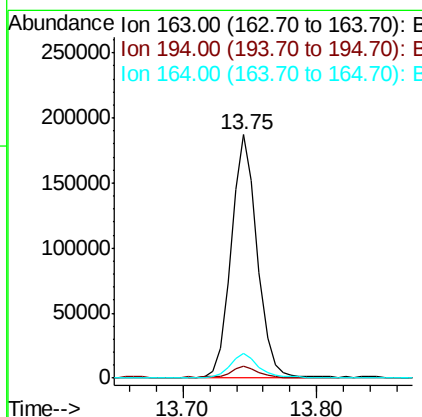
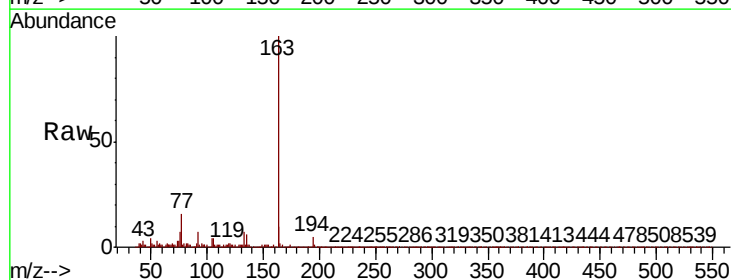
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1-2

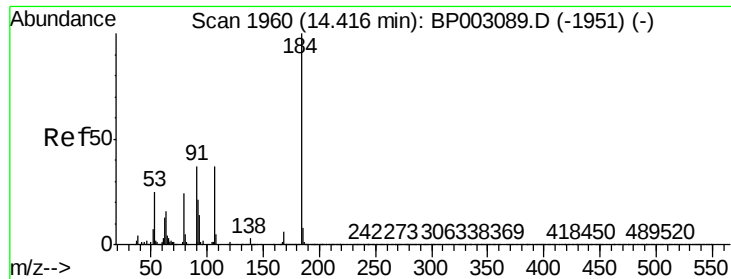
Tot Ion:172 Resp: 1764069  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.5 42.7  
170 23.6 19.2 28.8



#50  
Dimethylphthalate  
Concen: 6.660 ng  
RT: 13.75 min Scan# 1846  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

Tgt Ion:163 Resp: 251619  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.3 4.9  
164 10.4 8.2 12.2

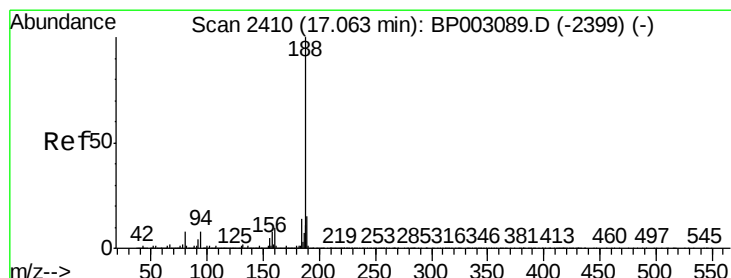
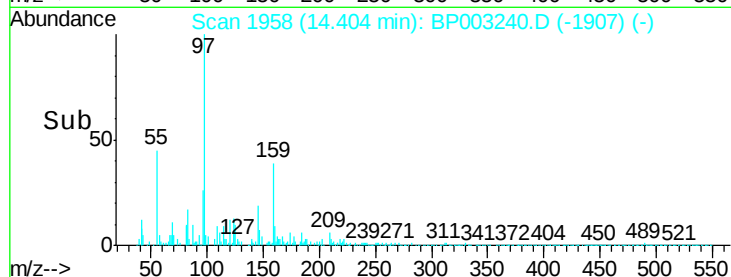
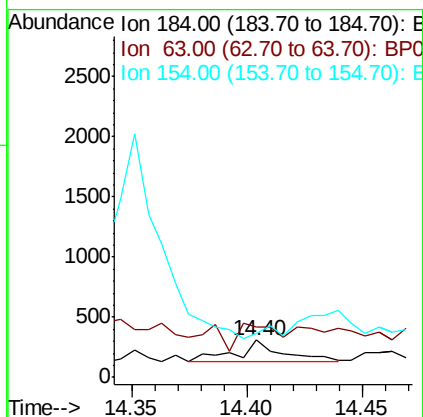
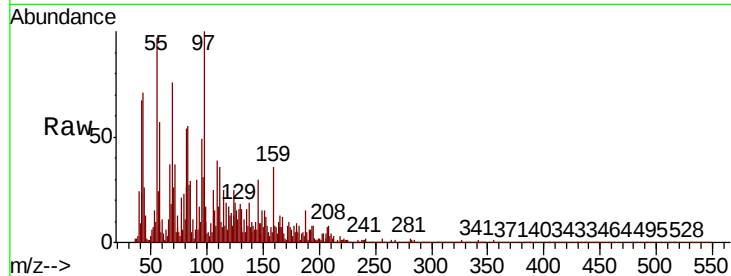




#54  
2,4-Dinitrophenol  
Concen: 7.801 ng  
RT: 14.40 min Scan# 1958  
Delta R.T. -0.00 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

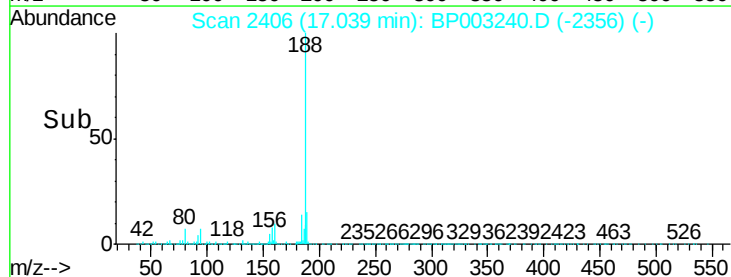
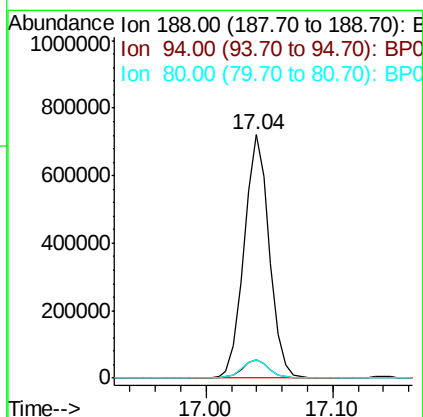
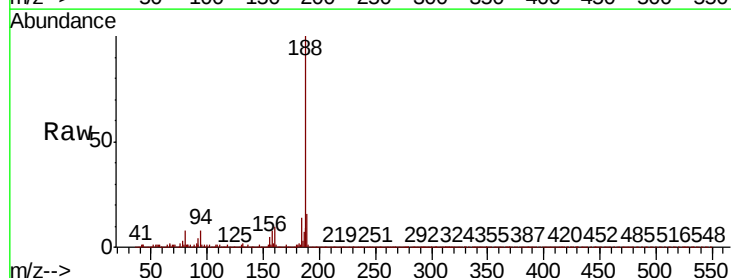
Instrument :  
BNA\_P  
ClientSampled :  
SP-1-2

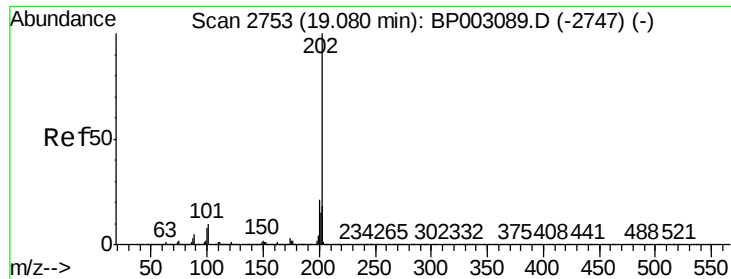
Tot Ion:184 Resp: 220  
Ion Ratio Lower Upper  
184 100  
63 134.7 32.3 48.5#  
154 118.8 49.1 73.7#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.04 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

Tgt Ion:188 Resp: 988975  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.2 9.2  
80 7.5 6.2 9.2





#75

Fluoranthene

Concen: 2.064 ng

RT: 19.06 min Scan# 2750

Delta R.T. -0.01 min

Lab File: BP003240.D

Acq: 09 Sep 2020 14:46

Instrument :

BNA\_P

ClientSampleId :

SP-1-2

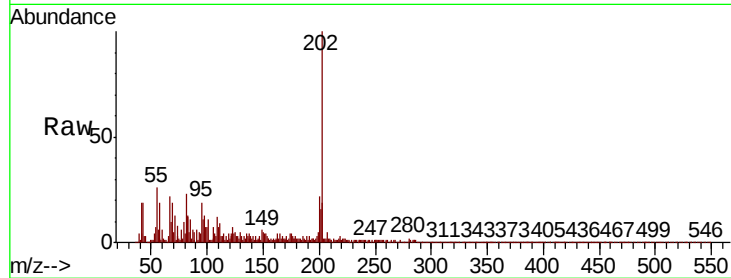
Tot Ion:202 Resp: 127810

Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.4

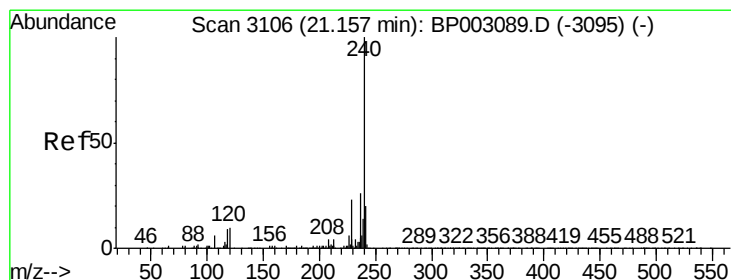
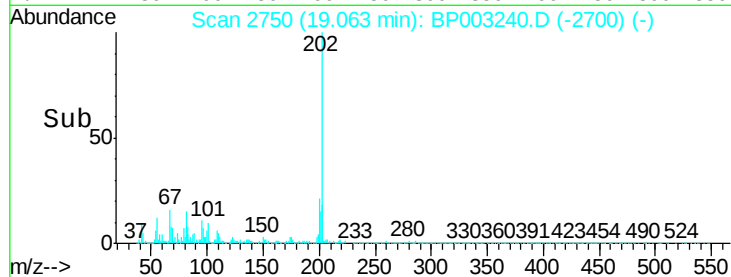
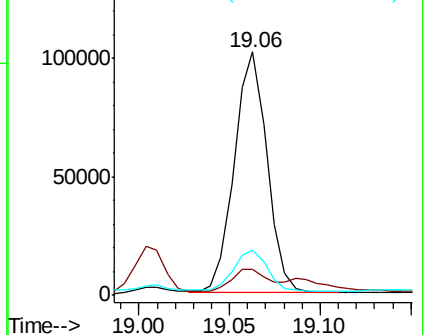
203 18.8 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BP003240.D

Acq: 09 Sep 2020 14:46

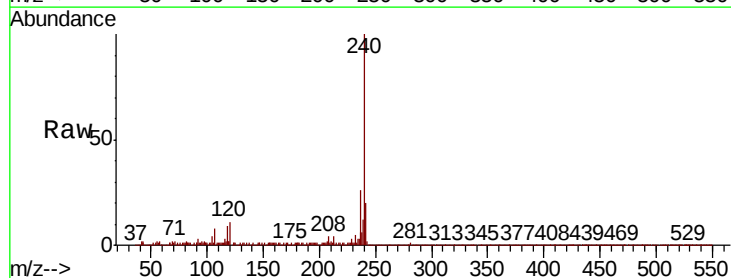
Tgt Ion:240 Resp: 971753

Ion Ratio Lower Upper

240 100

120 10.7 7.8 11.6

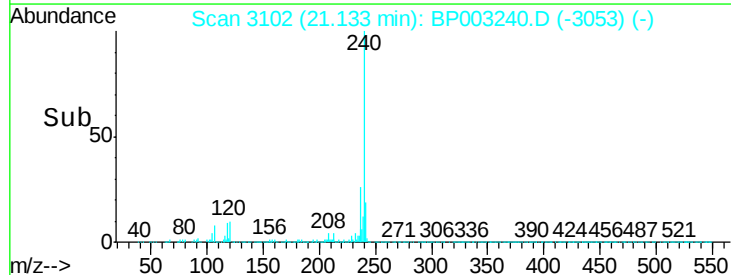
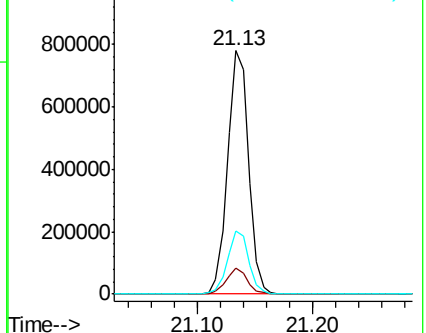
236 25.9 20.8 31.2

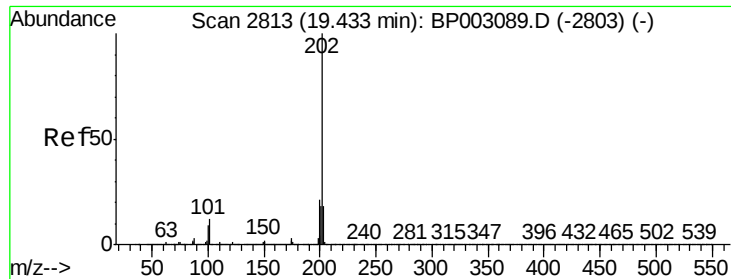


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

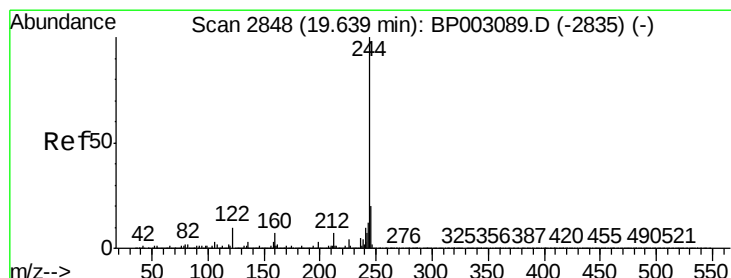
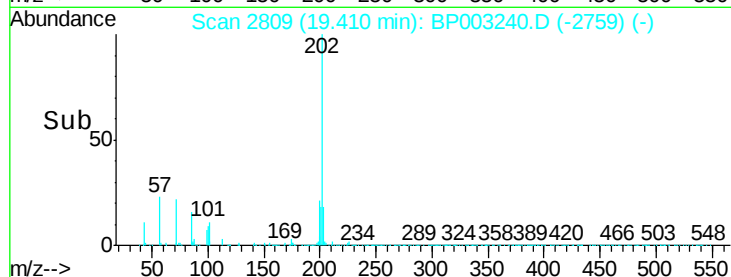
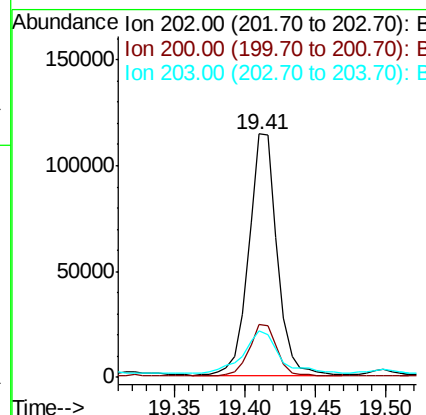
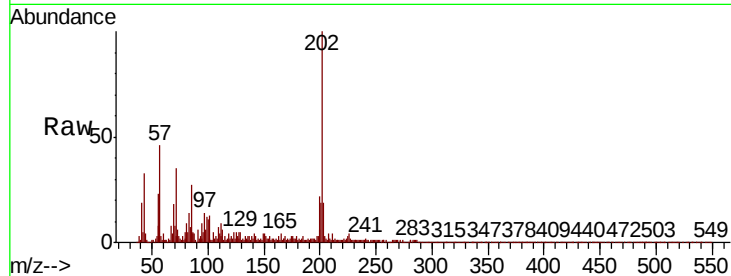




#78  
Pvrene  
Concen: 2.542 ng  
RT: 19.41 min Scan# 2809  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

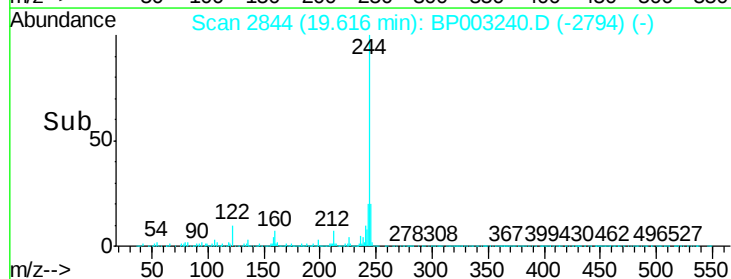
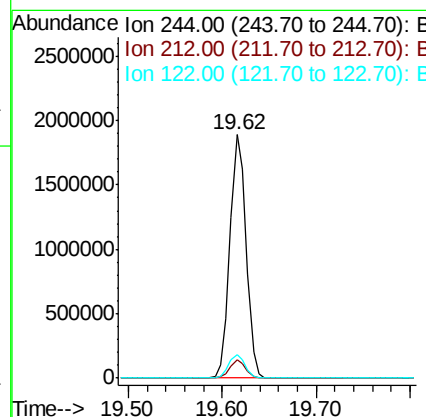
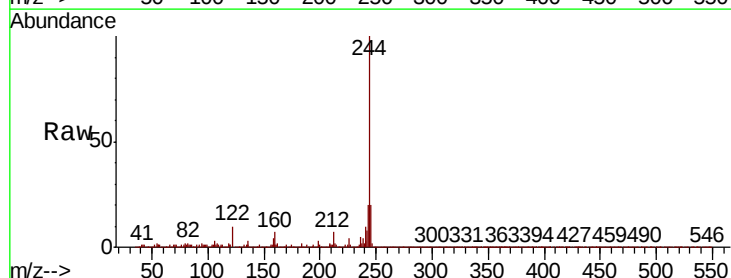
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1-2

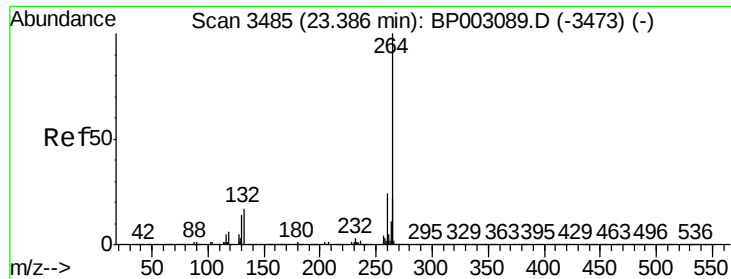
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.0  | 17.1  | 25.7  |
| 203     | 18.9  | 14.2  | 21.2  |



#79  
Terphenyl-d14  
Concen: 51.192 ng  
RT: 19.62 min Scan# 2844  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 5.8   | 8.6   |
| 122     | 9.7   | 7.8   | 11.8  |

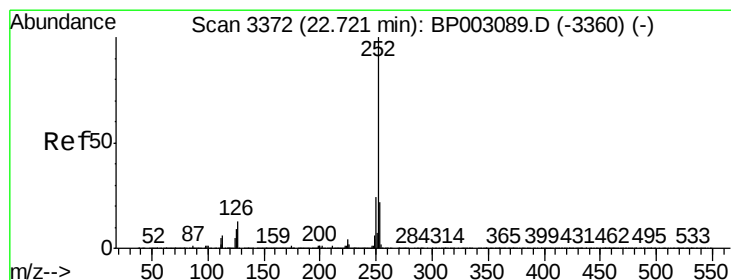
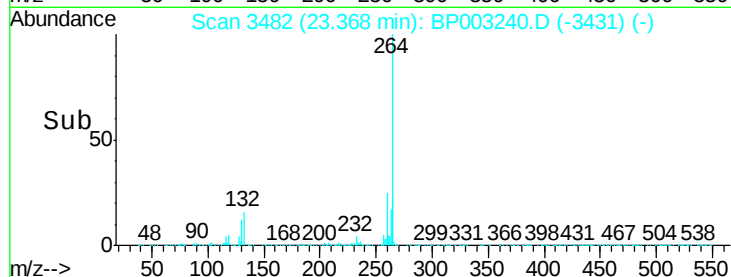
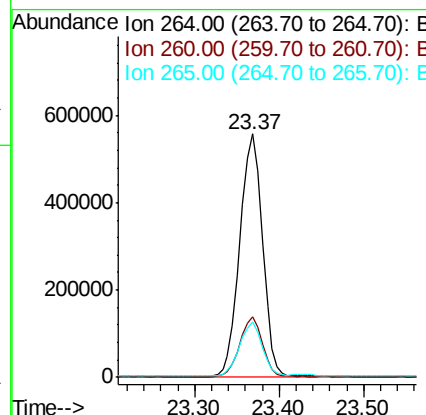
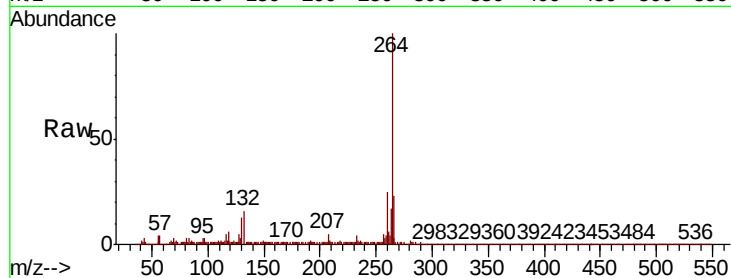




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.37 min Scan# 3482  
Delta R.T. -0.00 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

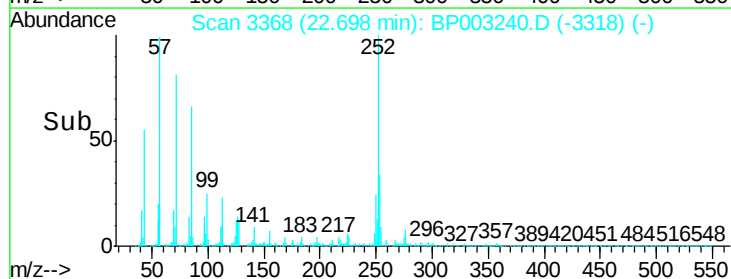
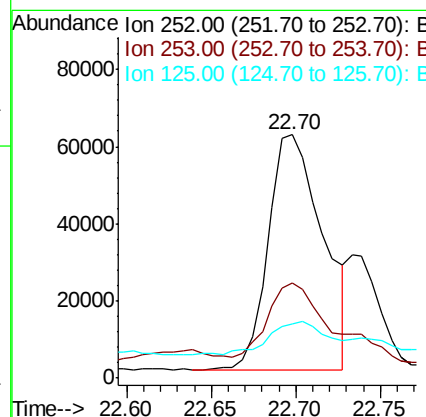
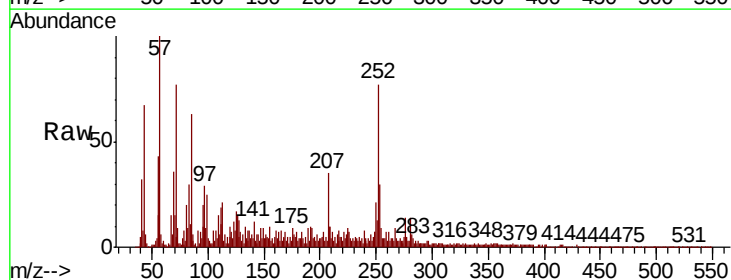
Instrument :  
BNA\_P  
ClientSampleId :  
SP-1-2

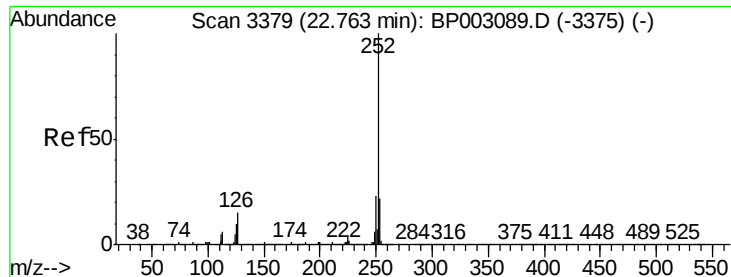
Tot Ion:264 Resp: 1026936  
Ion Ratio Lower Upper  
264 100  
260 24.8 18.8 28.2  
265 22.5 17.4 26.2



#88  
Benzo(b)fluoranthene  
Concen: 2.141 ng  
RT: 22.70 min Scan# 3368  
Delta R.T. -0.01 min  
Lab File: BP003240.D  
Acq: 09 Sep 2020 14:46

Tgt Ion:252 Resp: 136673  
Ion Ratio Lower Upper  
252 100  
253 39.1 17.6 26.4#  
125 22.2 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 2.241 ng

RT: 22.70 min Scan# 3368

Delta R.T. -0.05 min

Lab File: BP003240.D

Acq: 09 Sep 2020 14:46

Instrument :

BNA\_P

ClientSampleId :

SP-1-2

Tot Ion:252 Resp: 136673

Ion Ratio Lower Upper

252 100

253 39.1 17.8 26.8#

125 22.2 7.4 11.2#

