

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120319\  
 Data File : BP001185.D  
 Acq On : 04 Dec 2019 07:38  
 Operator : JU  
 Sample : K6014-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CS-01

Quant Time: Dec 04 08:48:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 27 17:38:46 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.31  | 152  | 133340   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.35 | 136  | 480663   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 13.21 | 164  | 265889   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 15.60 | 188  | 491337   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12            | 19.25 | 240  | 383338   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 21.02 | 264  | 411110   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 6.22  | 112  | 185194   | 23.04 | ng    | -0.01    |
| 7) Phenol-d6                | 7.76  | 99   | 629715   | 58.81 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 907270   | 81.89 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 14.50 | 330  | 35339    | 13.87 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.13 | 172  | 1471026  | 80.97 | ng    | -0.02    |
| 79) Terphenyl-d14           | 17.89 | 244  | 1629000  | 78.62 | ng    | -0.02    |

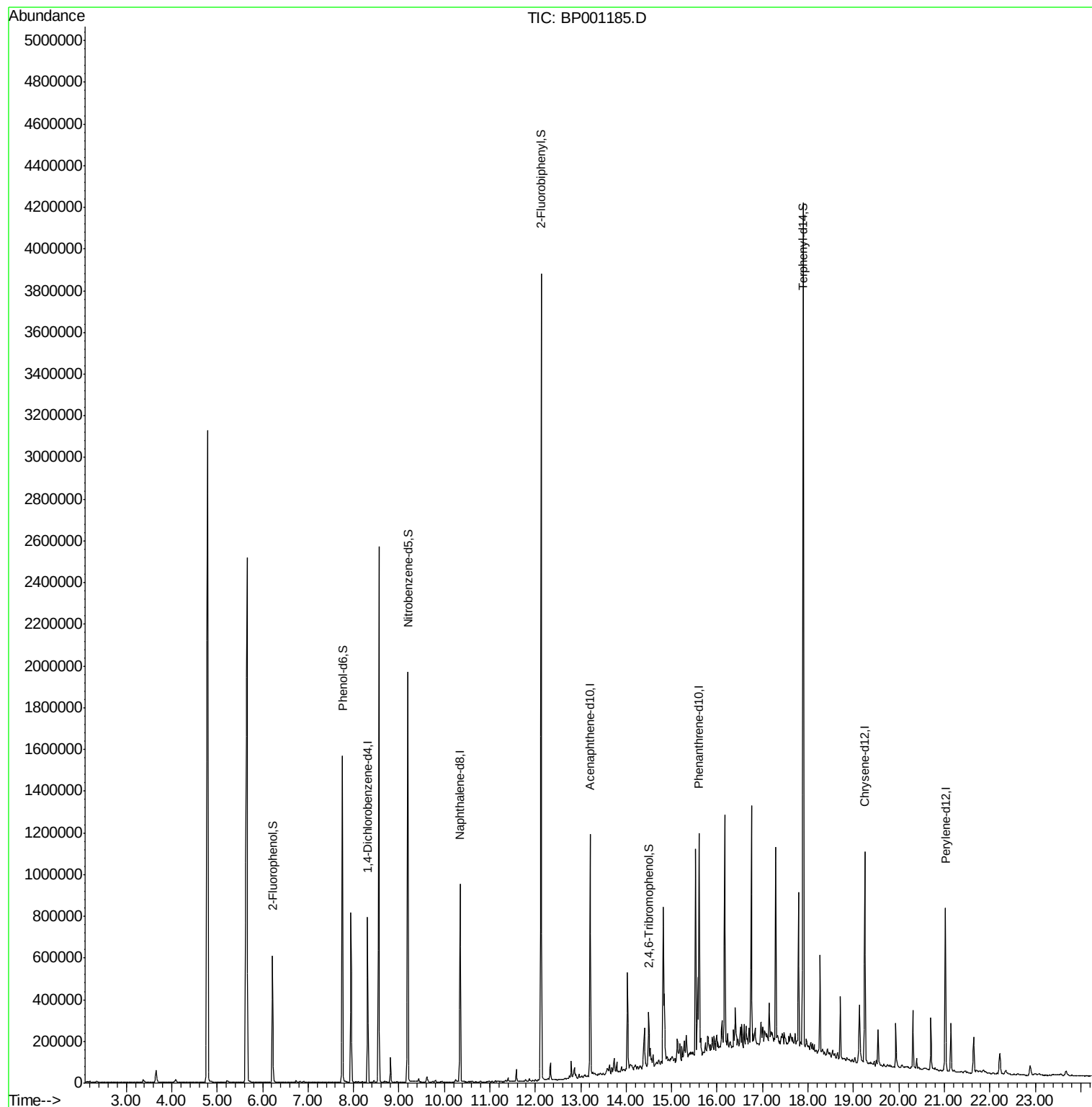
Target Compounds Qvalue

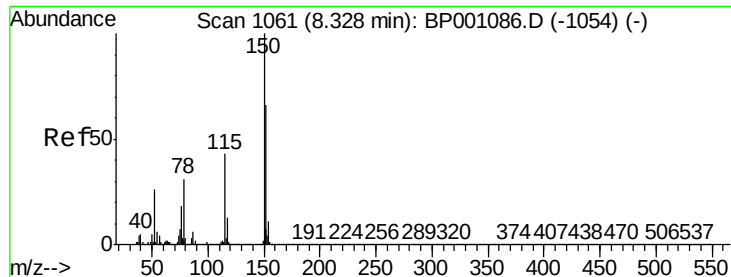
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 17:38:46 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

Instrument :

BNA\_P

ClientSampleId :

CS-01

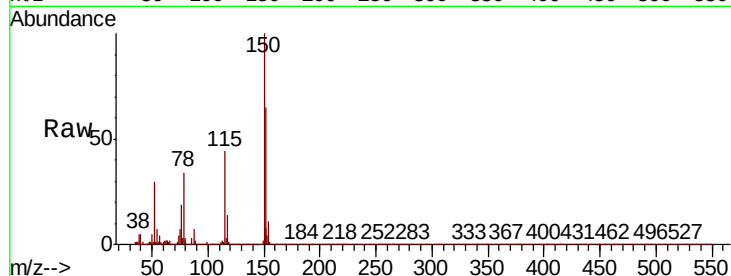
Tot Ion:152 Resp: 133340

Ion Ratio Lower Upper

152 100

150 154.3 120.6 181.0

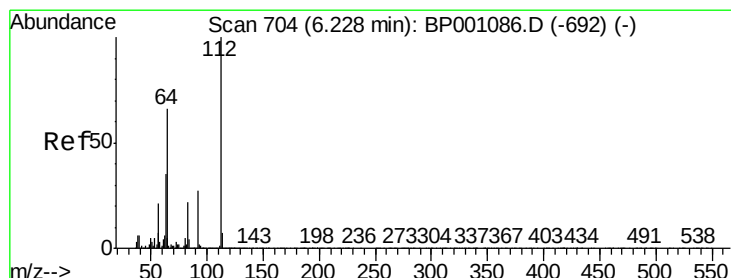
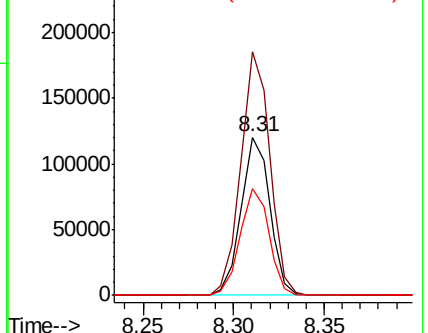
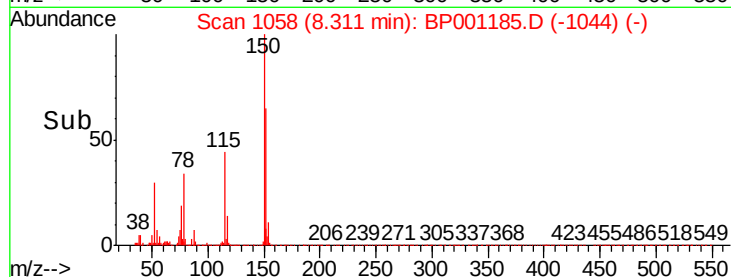
115 67.6 51.6 77.4



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: 23.043 ng

RT: 6.22 min Scan# 702

Delta R.T. -0.01 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

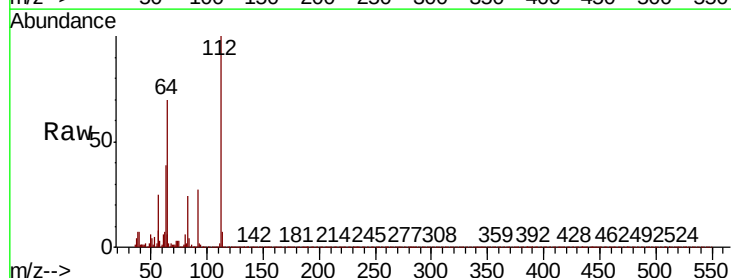
Tgt Ion:112 Resp: 185194

Ion Ratio Lower Upper

112 100

64 70.3 52.8 79.2

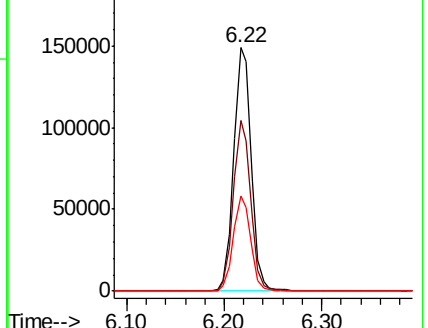
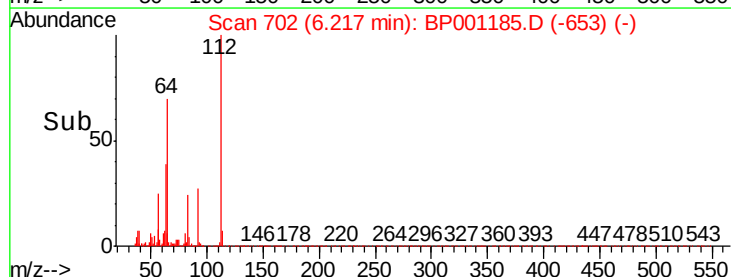
63 39.1 28.2 42.2

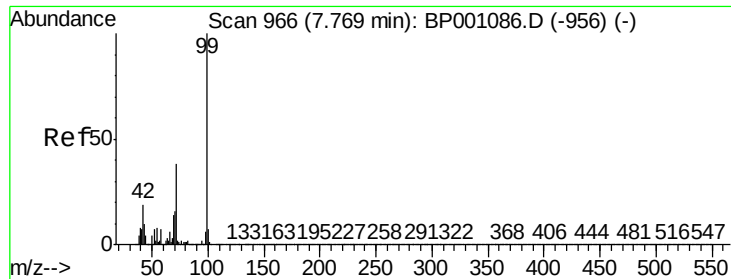


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 58.812 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

Instrument :

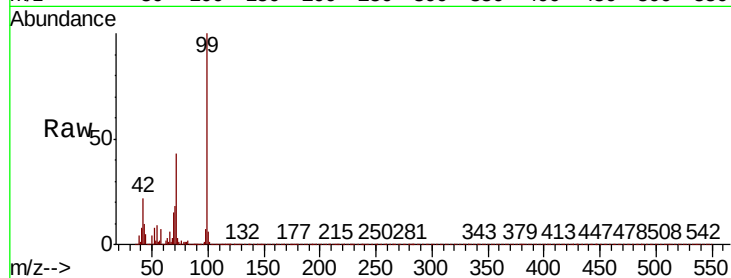
BNA\_P

ClientSampleId :

CS-01

Tot Ion: 99 Resp: 629715

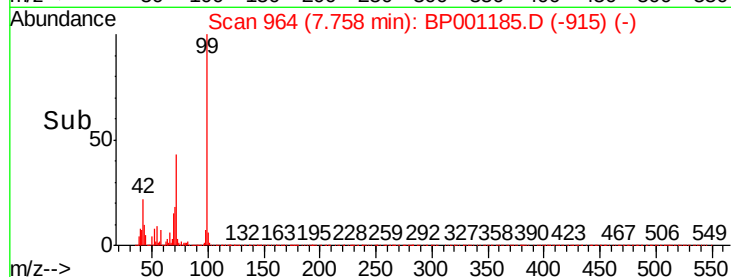
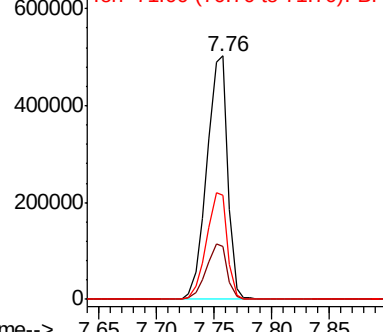
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.6  | 15.4  | 23.0  |
| 71  | 42.8  | 30.8  | 46.2  |



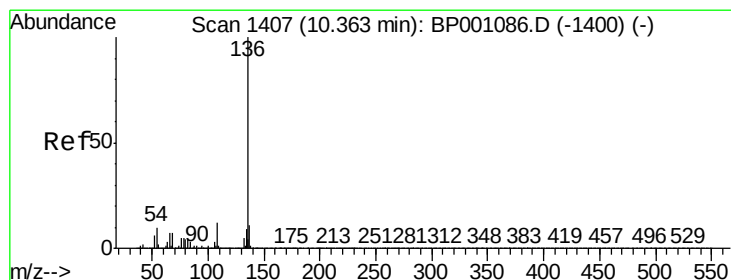
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time--> 7.65 7.70 7.75 7.80 7.85



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1404

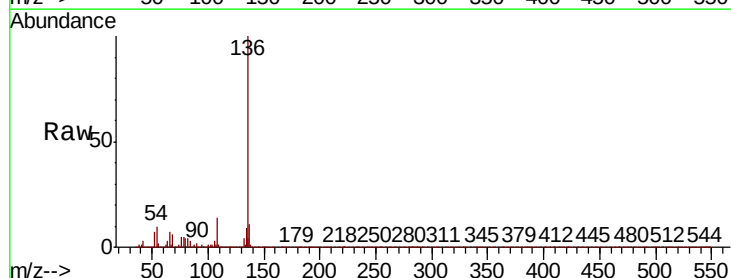
Delta R.T. -0.02 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

Tgt Ion: 136 Resp: 480663

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.8   | 13.2  |
| 54  | 10.1  | 7.9   | 11.9  |
| 68  | 6.3   | 5.6   | 8.4   |

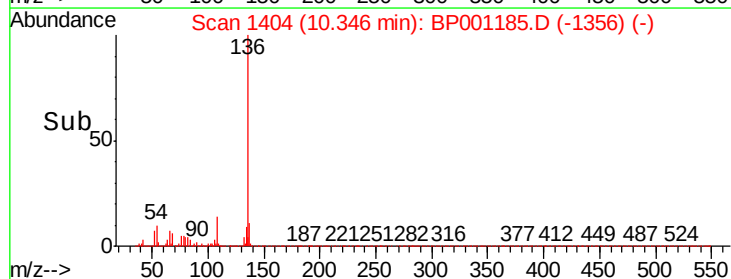
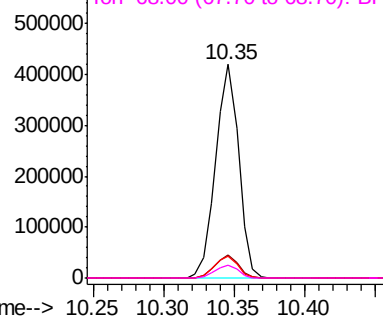


Abundance Ion 136.00 (135.70 to 136.70): E

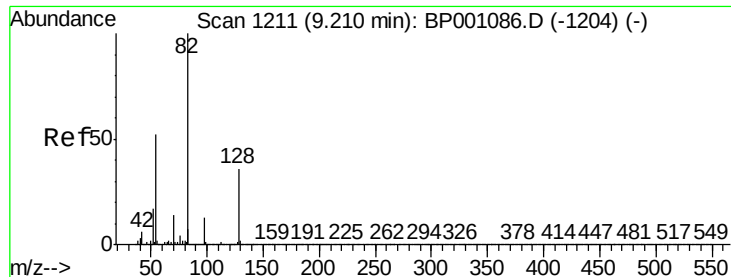
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



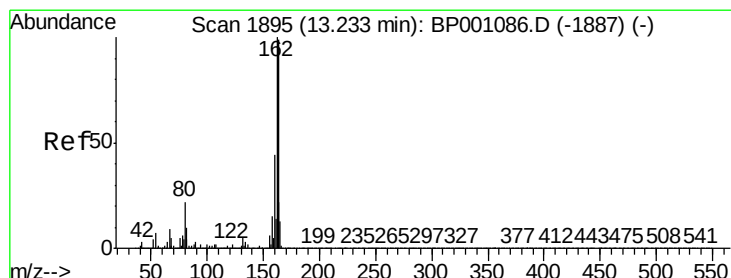
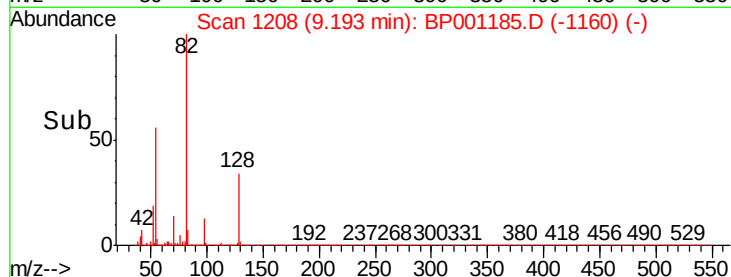
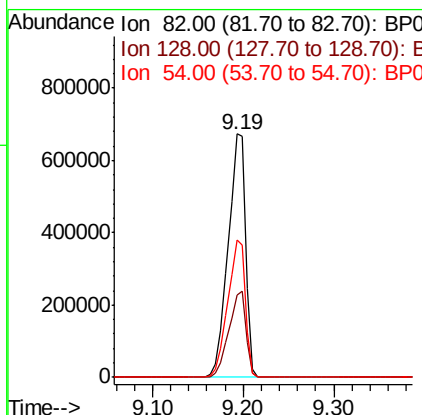
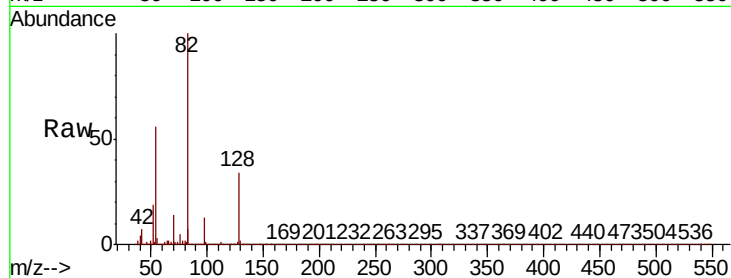
Time--> 10.25 10.30 10.35 10.40



#23  
Nitrobenzene-d5  
Concen: 81.892 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.02 min  
Lab File: BP001185.D  
Acq: 04 Dec 2019 07:38

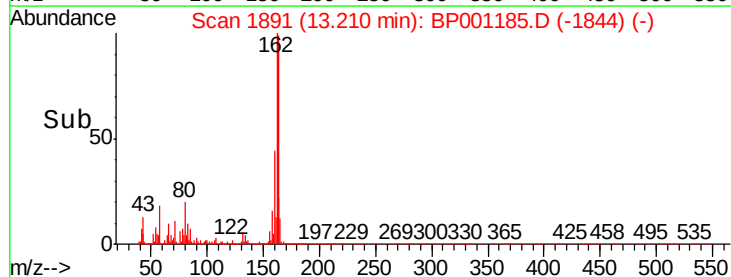
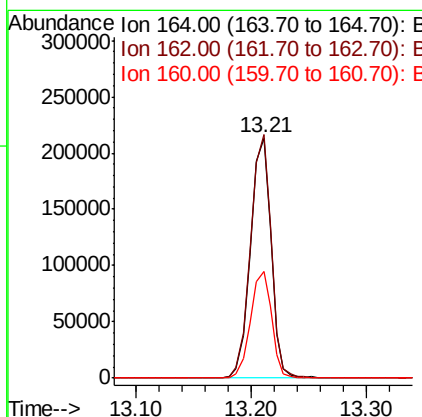
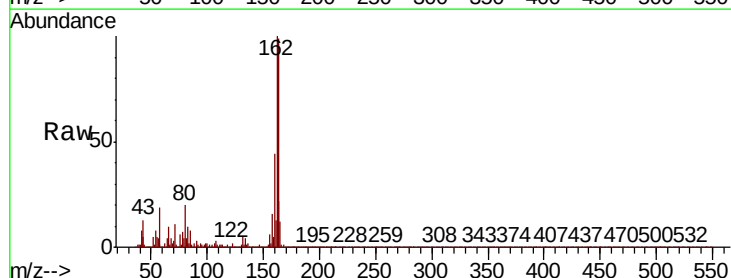
Instrument :  
BNA\_P  
ClientSampleId :  
CS-01

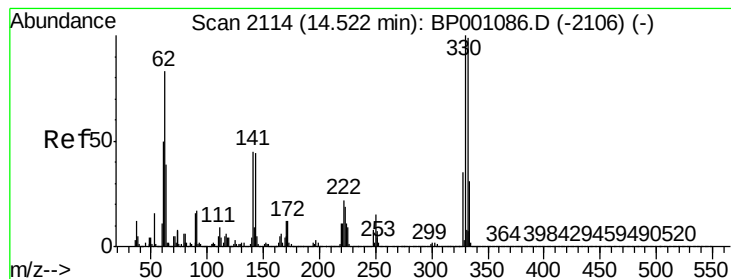
| Tot Ion   | 82    | Resp  | 907270 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 33.7  | 28.9  | 43.3   |
| 54        | 56.3  | 41.9  | 62.9   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 13.21 min Scan# 1891  
Delta R.T. -0.02 min  
Lab File: BP001185.D  
Acq: 04 Dec 2019 07:38

| Tgt Ion   | 164   | Resp  | 265889 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.3 | 80.6  | 120.8  |
| 160       | 44.5  | 35.4  | 53.2   |





#42

2,4,6-Tribromophenol

Concen: 13.866 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.02 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

Instrument :

BNA\_P

ClientSampleId :

CS-01

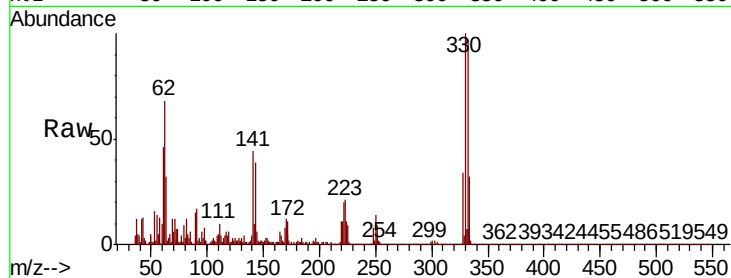
Tot Ion:330 Resp: 35339

Ion Ratio Lower Upper

330 100

332 94.6 77.6 116.4

141 49.1 34.2 51.2

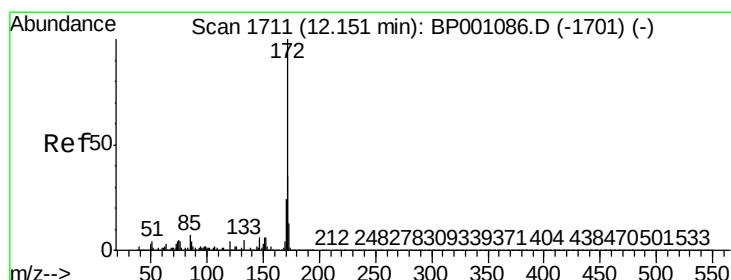
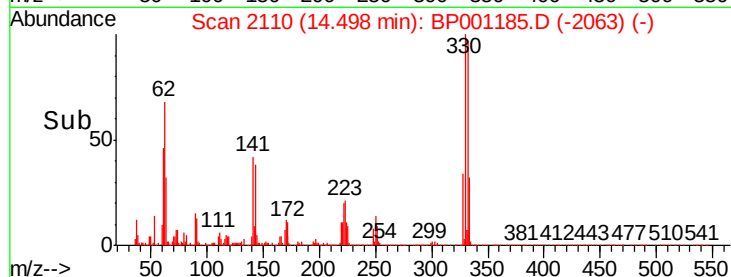
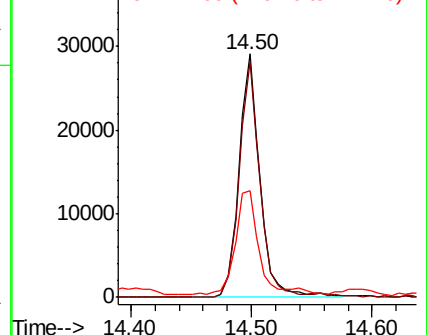


Abundance

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: 80.972 ng

RT: 12.13 min Scan# 1707

Delta R.T. -0.02 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

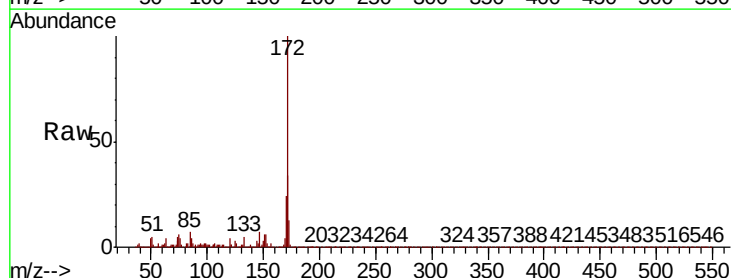
Tgt Ion:172 Resp: 1471026

Ion Ratio Lower Upper

172 100

171 34.4 27.9 41.9

170 23.5 19.0 28.4

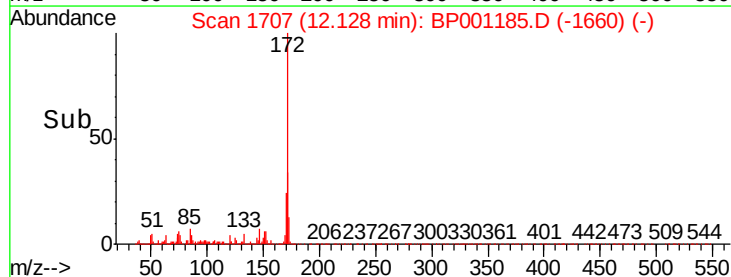
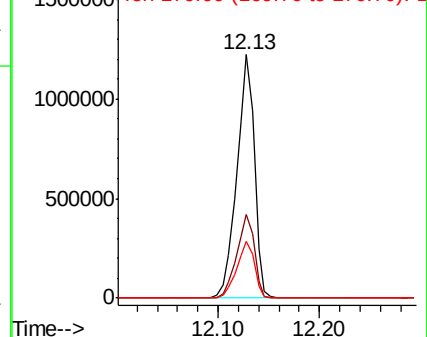


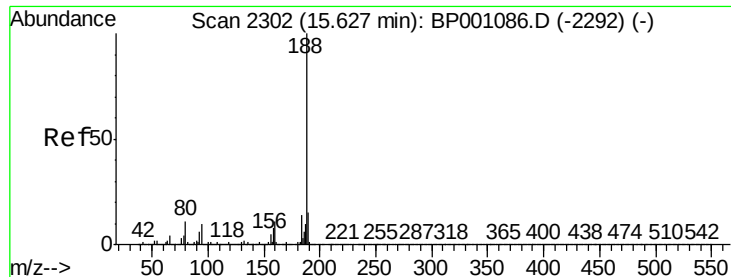
Abundance

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: 15.60 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

Instrument :

BNA\_P

ClientSampled :

CS-01

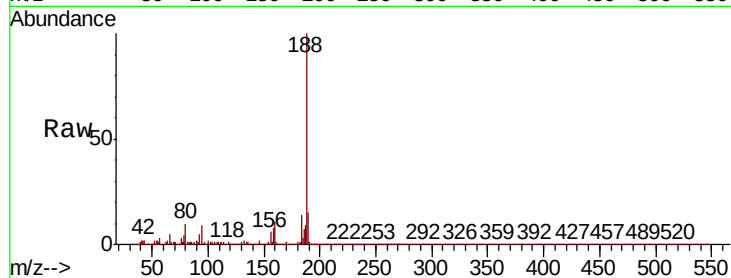
Tot Ion:188 Resp: 491337

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

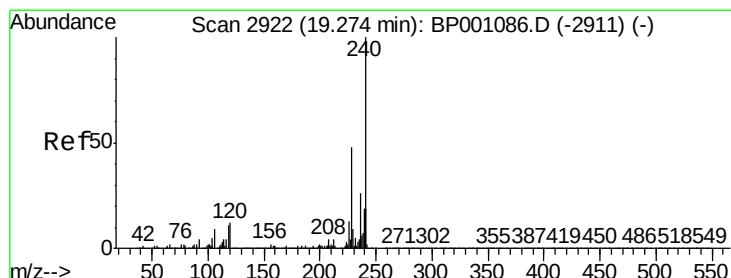
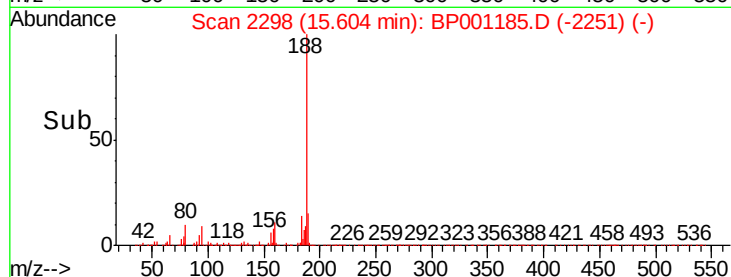
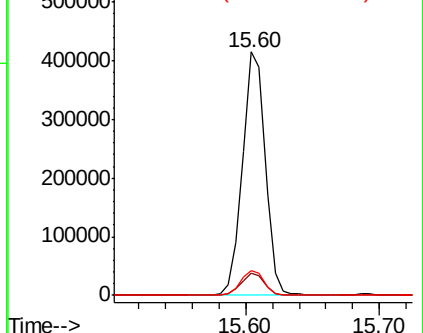
80 10.4 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.25 min Scan# 2918

Delta R.T. -0.02 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

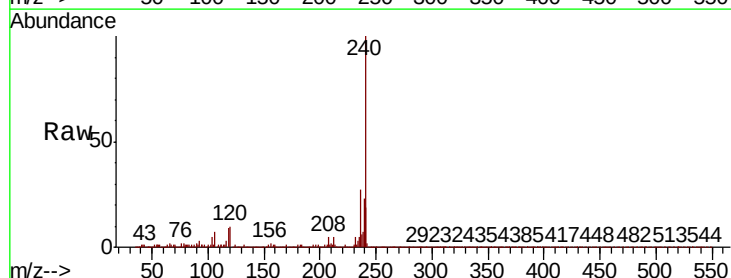
Tgt Ion:240 Resp: 383338

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

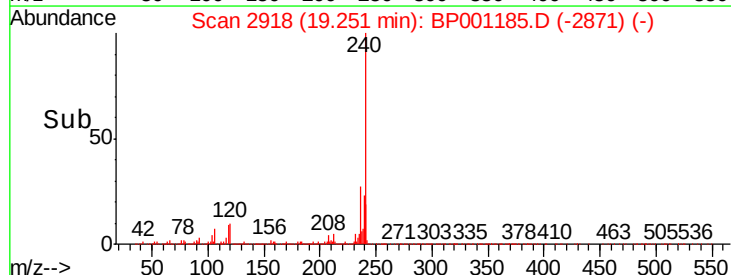
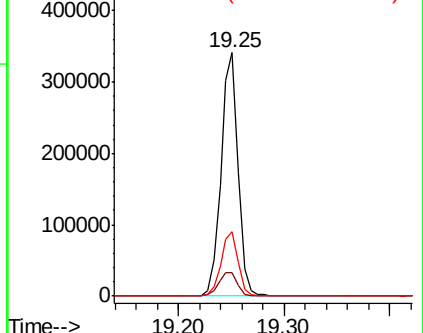
236 26.5 20.4 30.6

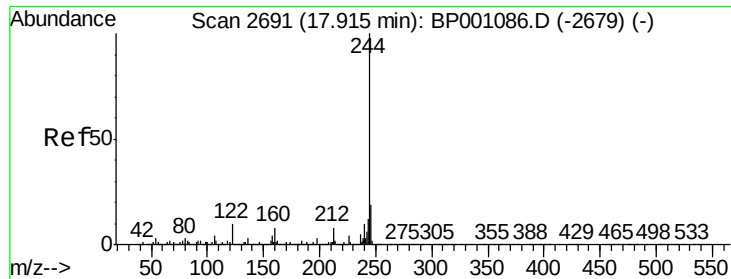


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 78.620 ng

RT: 17.89 min Scan# 2687

Delta R.T. -0.02 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

Instrument :

BNA\_P

ClientSampleId :

CS-01

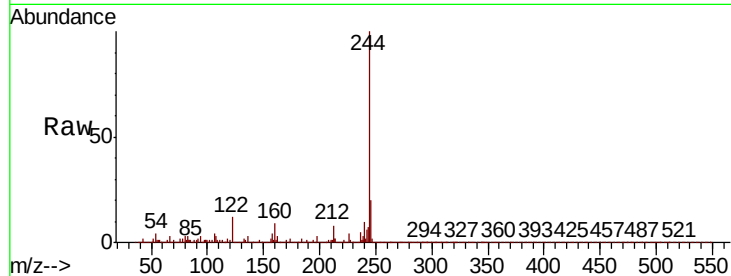
Tot Ion:244 Resp: 1629000

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

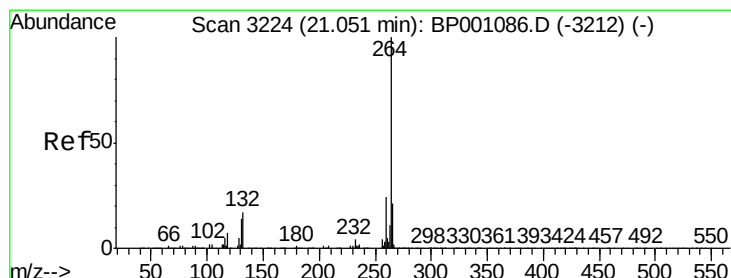
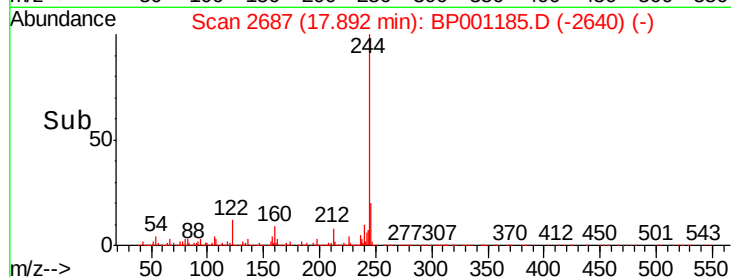
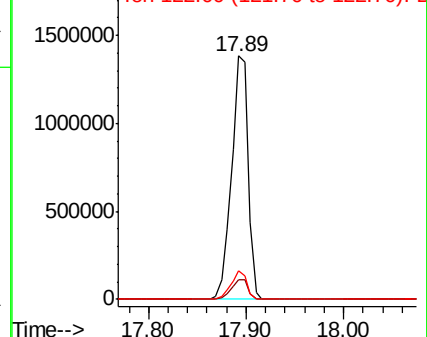
122 11.6 8.2 12.2



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

Perylene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3219

Delta R.T. -0.03 min

Lab File: BP001185.D

Acq: 04 Dec 2019 07:38

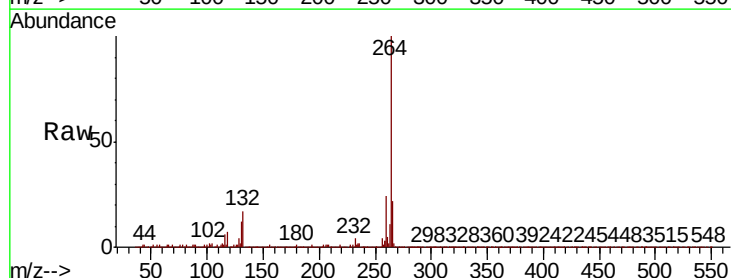
Tgt Ion:264 Resp: 411110

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.8 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

