

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021721\  
 Data File : BF123220.D  
 Acq On : 17 Feb 2021 19:23  
 Operator : JU/CG  
 Sample : M1426-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T1090-181468

Quant Time: Feb 18 06:37:47 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF021221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 12 16:59:49 2021  
 Response via : Initial Calibration

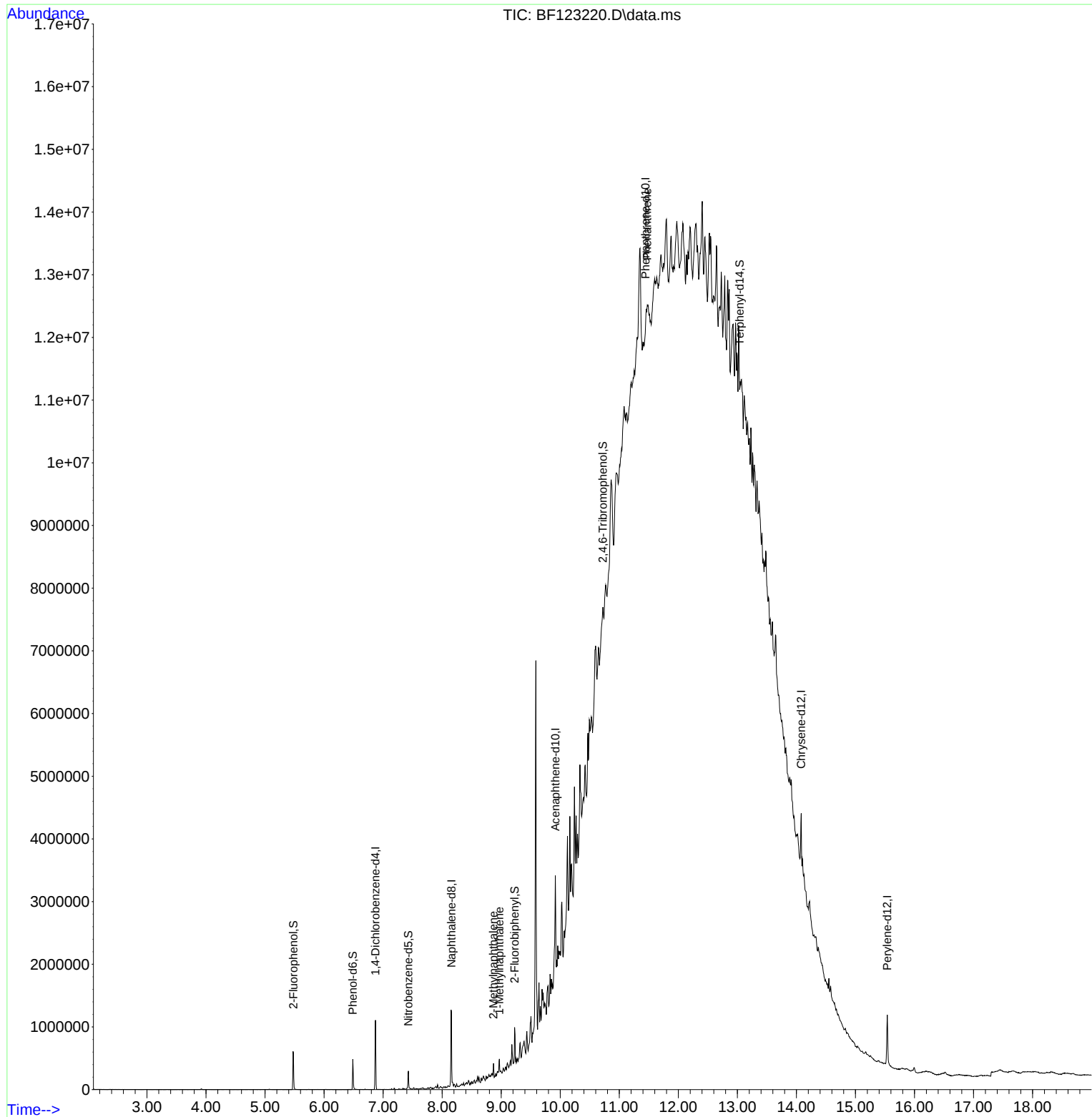
| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 147227   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.157  | 136  | 560657   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.916  | 164  | 235968   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.445 | 188  | 275636   | 20.00 | ng    | # 0.04   |
| 76) Chrysene-d12            | 14.080 | 240  | 297225   | 20.00 | ng    | # 0.02   |
| 86) Perylene-d12            | 15.539 | 264  | 331835   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 177793   | 18.30 | ng    | 0.00     |
| 7) Phenol-d6                | 6.486  | 99   | 153705   | 11.98 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.428  | 82   | 90835    | 8.51  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.721 | 330  | 24700    | 9.69  | ng    | 0.02     |
| 45) 2-Fluorobiphenyl        | 9.227  | 172  | 169950   | 10.76 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.039 | 244  | 102623   | 6.92  | ng    | 0.04     |
| Target Compounds            |        |      |          |       |       |          |
| 37) 2-Methylnaphthalene     | 8.869  | 142  | 57881    | 2.90  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.969  | 142  | 58055    | 3.09  | ng    | 98       |
| 71) Phenanthrene            | 11.474 | 178  | 473831   | 29.18 | ng    | # 61     |
| -----                       |        |      |          |       |       |          |

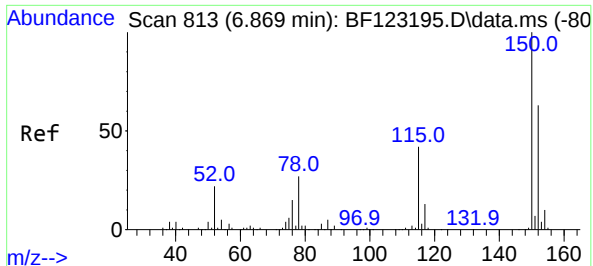
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021721\  
Data File : BF123220.D  
Acq On : 17 Feb 2021 19:23  
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Sample : M1426-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Feb 18 06:37:47 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF021221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 12 16:59:49 2021  
Response via : Initial Calibration

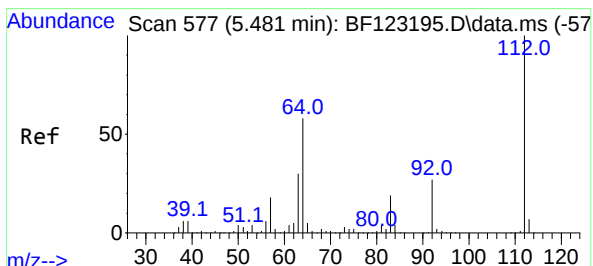
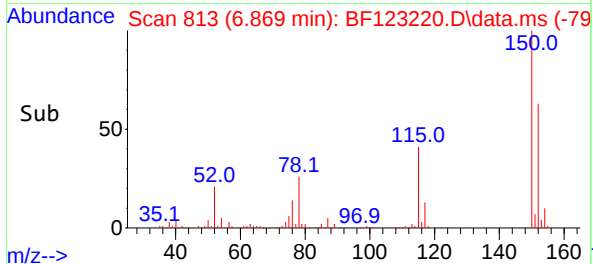
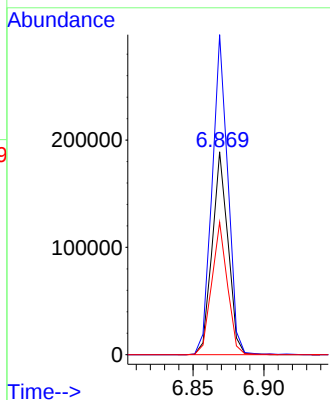
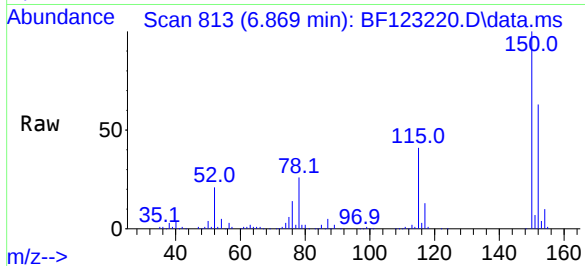




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

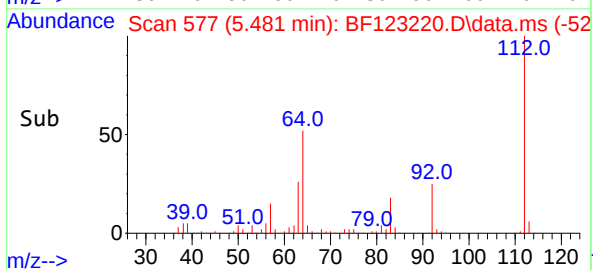
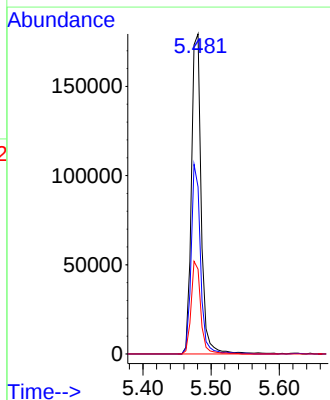
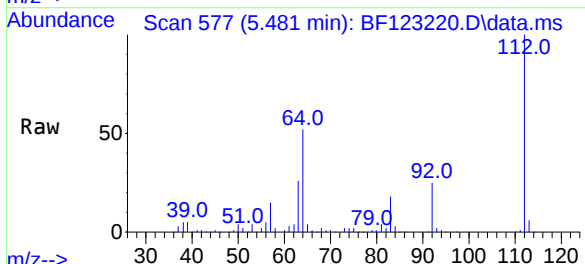
Instrument :  
BNA\_F  
ClientSampleId :  
T1090-181468

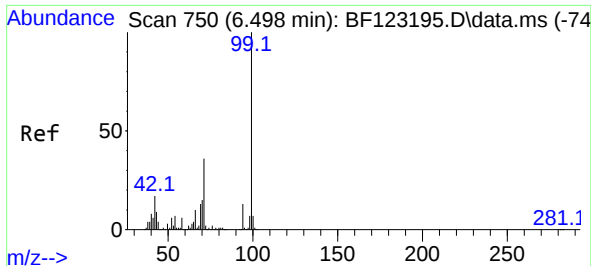
Tgt Ion:152 Resp: 147227  
Ion Ratio Lower Upper  
152 100  
150 157.8 125.8 188.6  
115 65.3 49.3 73.9



#5  
2-Fluorophenol  
Concen: 18.30 ng  
RT: 5.481 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Tgt Ion:112 Resp: 177793  
Ion Ratio Lower Upper  
112 100  
64 52.2 46.9 70.3  
63 26.5 24.5 36.7



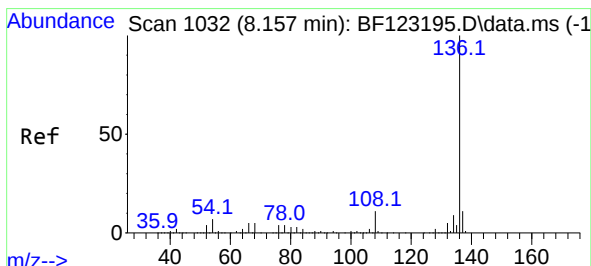
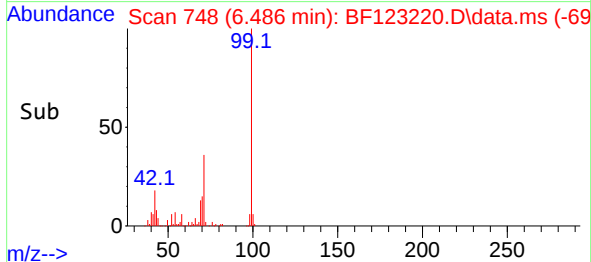
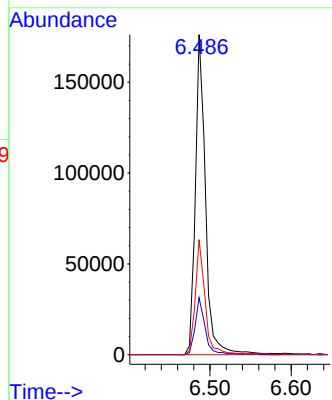
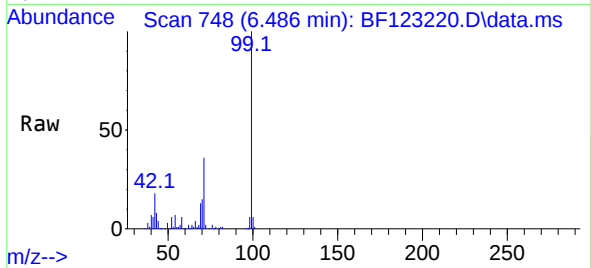


#7  
Phenol-d6  
Concen: 11.98 ng  
RT: 6.486 min Scan# 748  
Delta R.T. -0.012 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Instrument :  
BNA\_F  
ClientSampleId :  
T1090-181468

Tgt Ion: 99 Resp: 153705

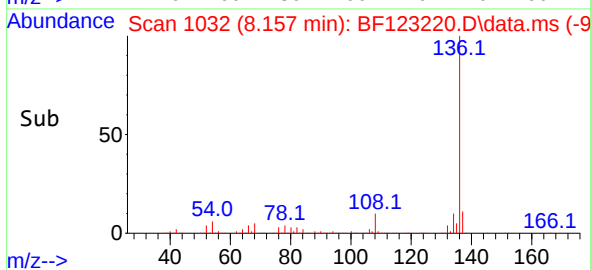
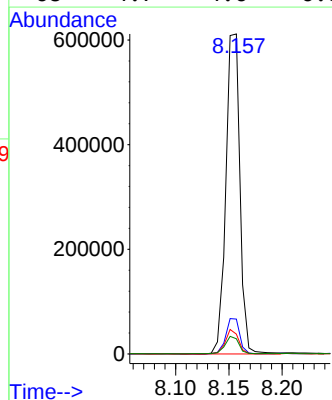
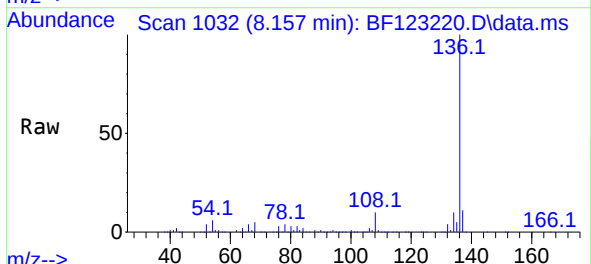
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.8  | 13.8  | 20.6  |
| 71  | 36.0  | 26.9  | 40.3  |

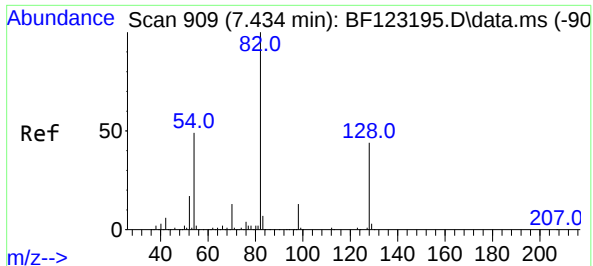


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Tgt Ion: 136 Resp: 560657

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 6.2   | 5.5   | 8.3   |
| 68  | 4.7   | 4.6   | 6.8   |





#23

Nitrobenzene-d5

Concen: 8.51 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF123220.D

Acq: 17 Feb 2021 19:23

Instrument :

BNA\_F

ClientSampleId :

T1090-181468

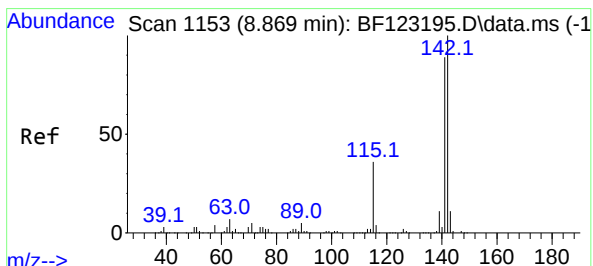
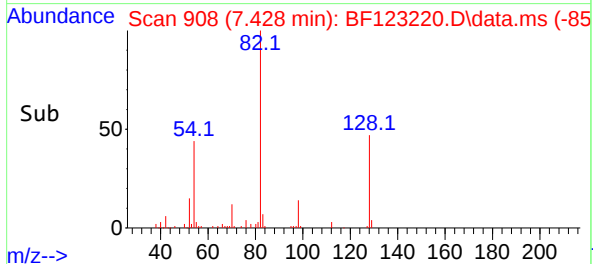
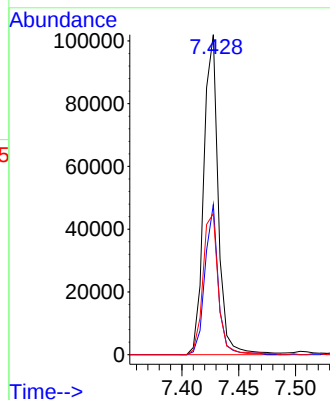
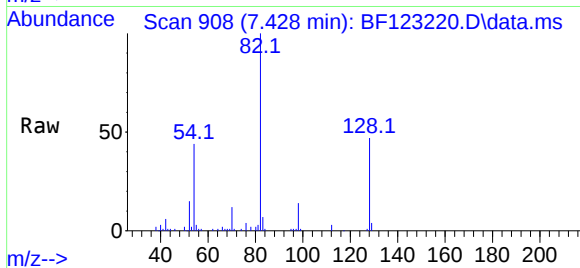
Tgt Ion: 82 Resp: 90835

Ion Ratio Lower Upper

82 100

128 46.8 37.0 55.4

54 44.1 38.4 57.6



#37

2-Methylnaphthalene

Concen: 2.90 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF123220.D

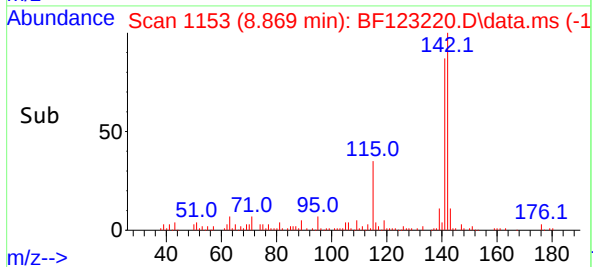
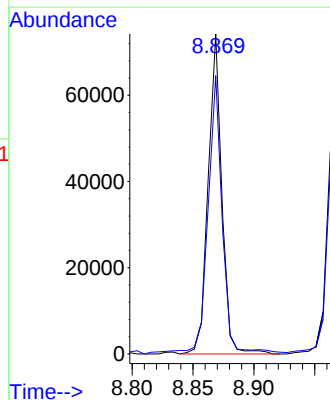
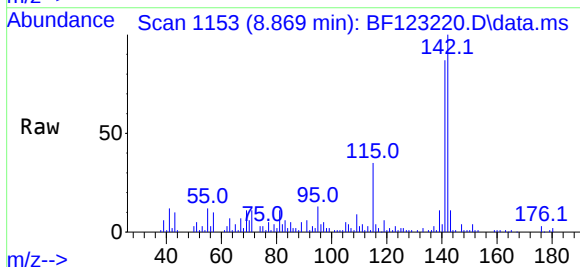
Acq: 17 Feb 2021 19:23

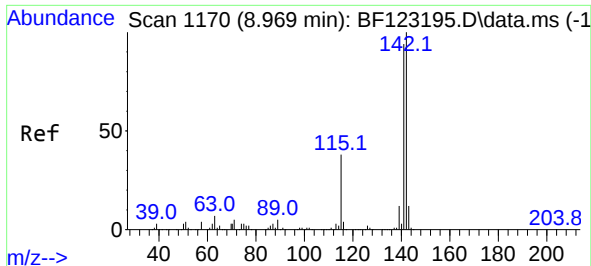
Tgt Ion: 142 Resp: 57881

Ion Ratio Lower Upper

142 100

141 87.0 70.6 106.0

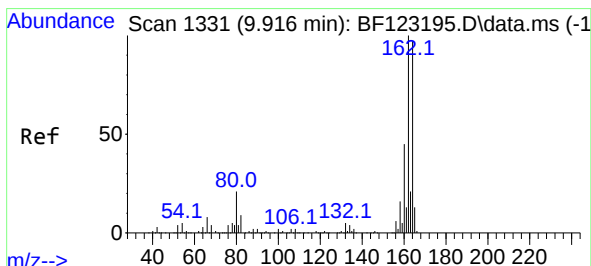
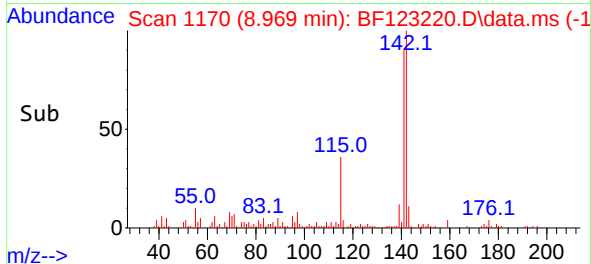
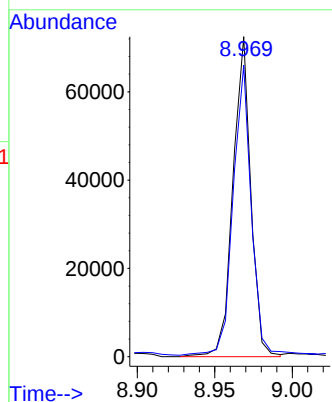
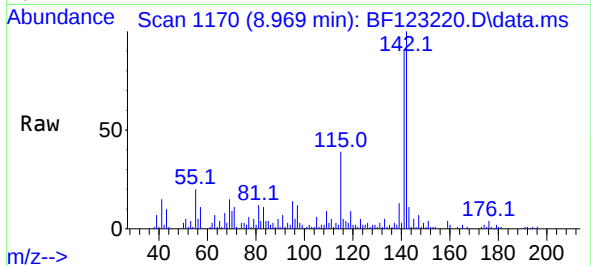




#38  
1-Methylnaphthalene  
Concen: 3.09 ng  
RT: 8.969 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

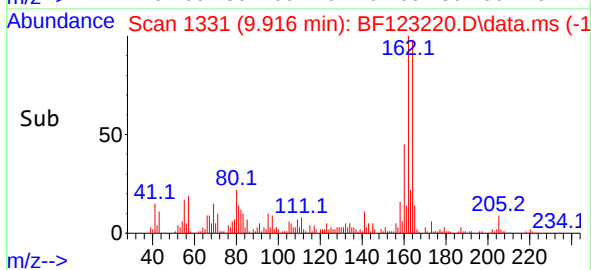
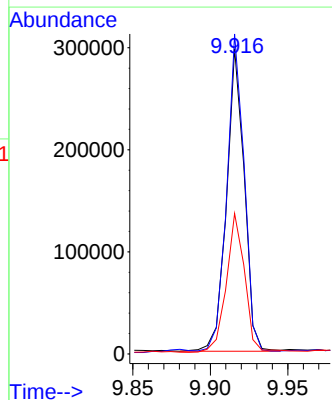
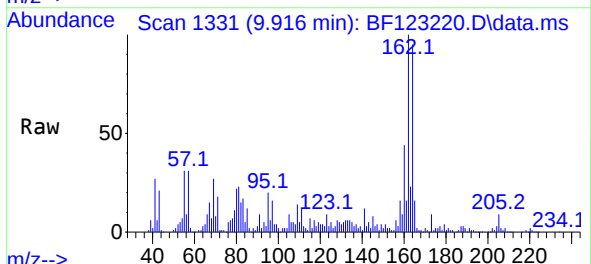
Instrument :  
BNA\_F  
ClientSampleId :  
T1090-181468

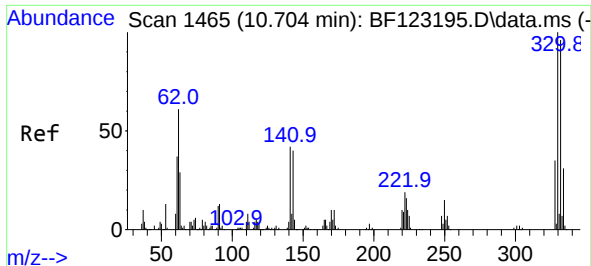
Tgt Ion:142 Resp: 58055  
Ion Ratio Lower Upper  
142 100  
141 91.1 74.5 111.7



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.000 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Tgt Ion:164 Resp: 235968  
Ion Ratio Lower Upper  
164 100  
162 104.8 80.8 121.2  
160 46.0 35.4 53.0

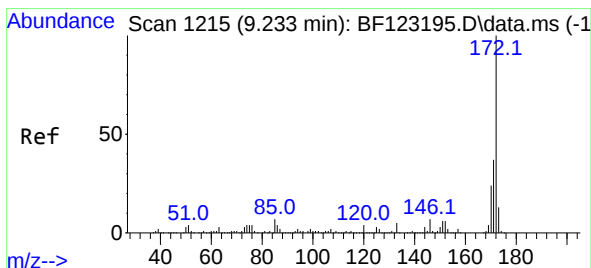
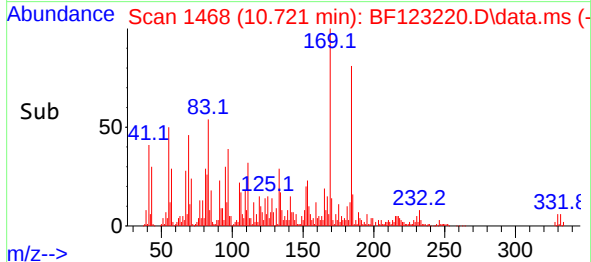
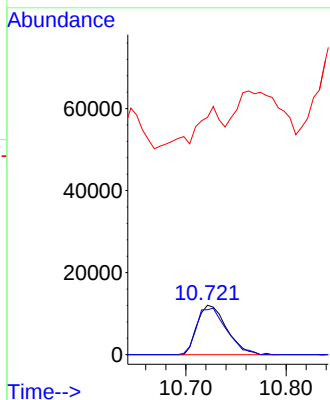
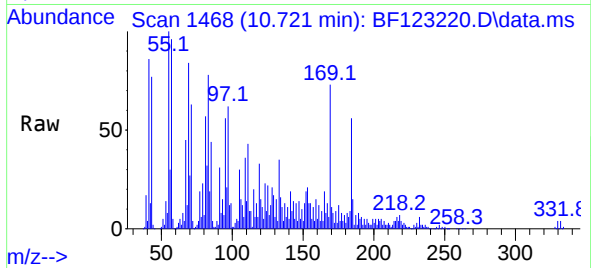




#42  
2,4,6-Tribromophenol  
Concen: 9.69 ng  
RT: 10.721 min Scan# 1468  
Delta R.T. 0.018 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

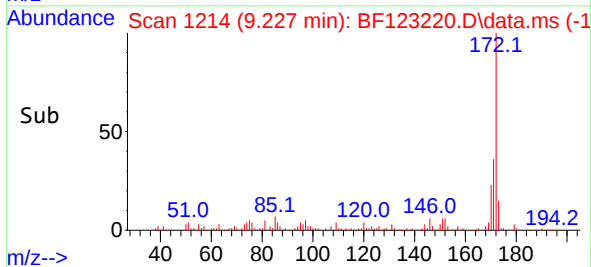
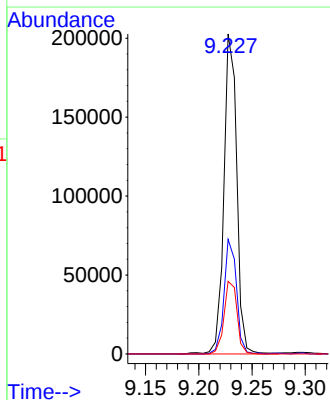
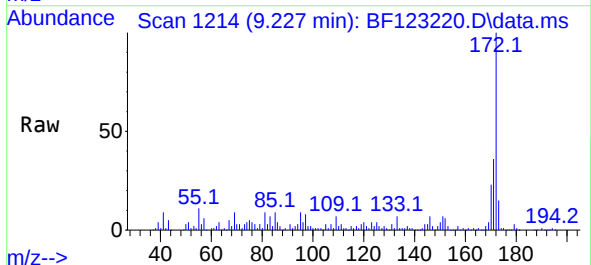
Instrument :  
BNA\_F  
ClientSampleId :  
T1090-181468

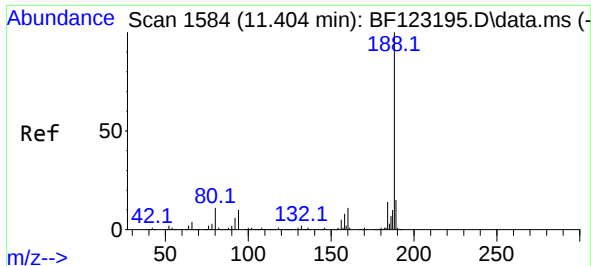
Tgt Ion: 330 Resp: 24700  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.5 116.3  
141 50.3 23.8 35.8#



#45  
2-Fluorobiphenyl  
Concen: 10.76 ng  
RT: 9.227 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Tgt Ion: 172 Resp: 169950  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.6 44.4  
170 22.7 19.5 29.3

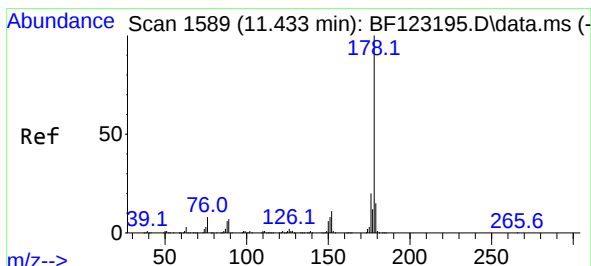
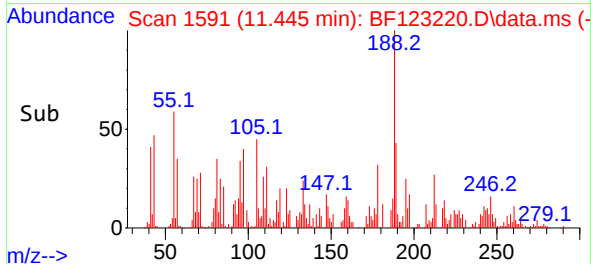
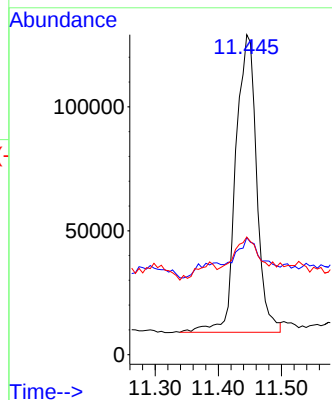
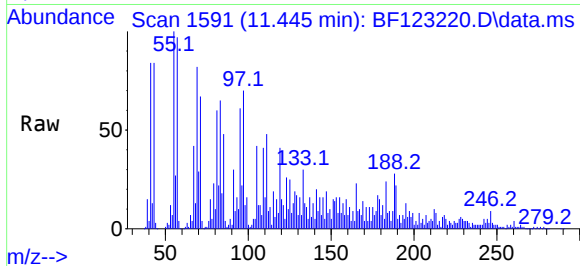




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.445 min Scan# 1591  
Delta R.T. 0.041 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

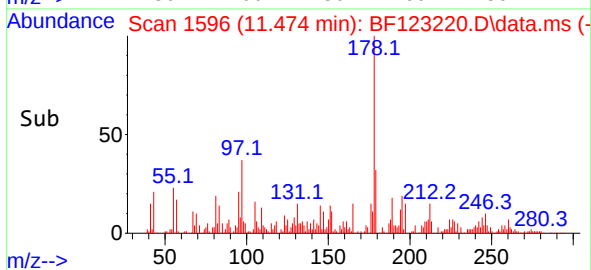
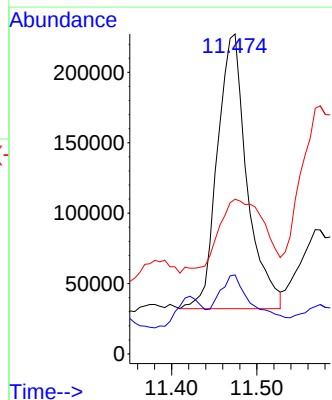
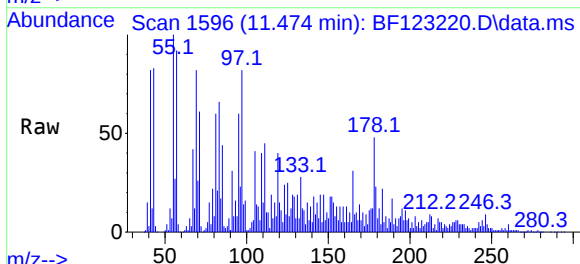
Instrument :  
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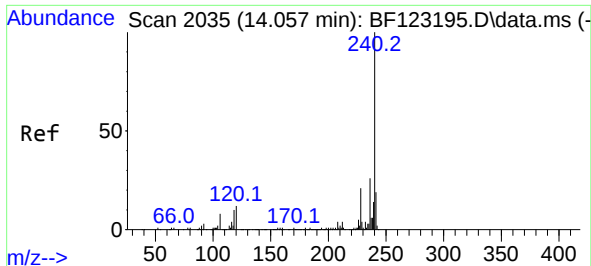
Tgt Ion:188 Resp: 275636  
Ion Ratio Lower Upper  
188 100  
94 36.6 7.4 11.2#  
80 36.7 8.2 12.4#



#71  
Phenanthrene  
Concen: 29.18 ng  
RT: 11.474 min Scan# 1596  
Delta R.T. 0.041 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Tgt Ion:178 Resp: 473831  
Ion Ratio Lower Upper  
178 100  
176 24.7 16.2 24.2#  
179 48.4 12.7 19.1#

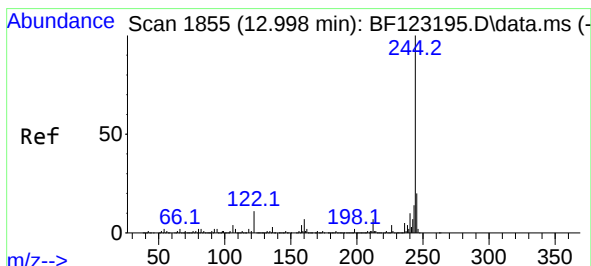
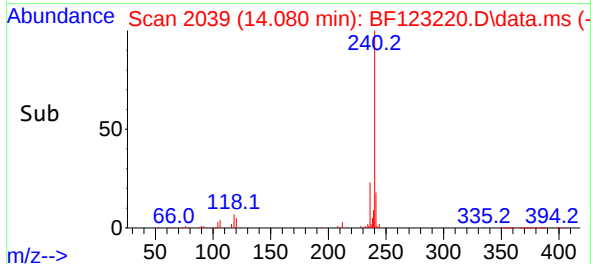
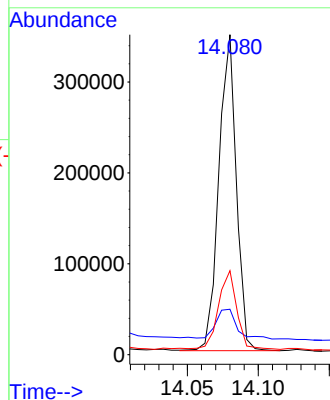
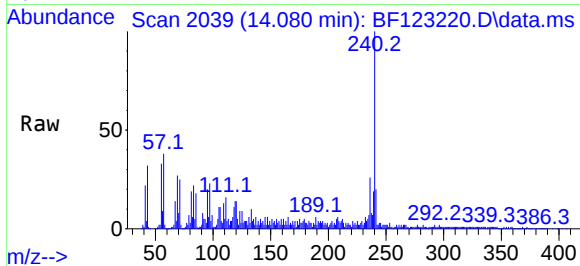




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.080 min Scan# 2039  
Delta R.T. 0.023 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

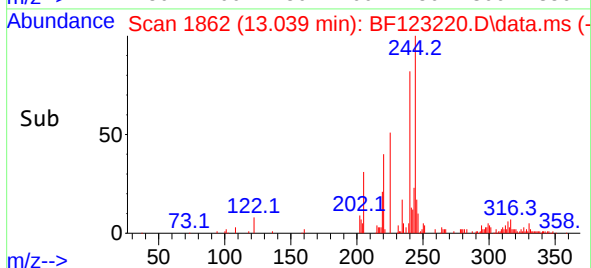
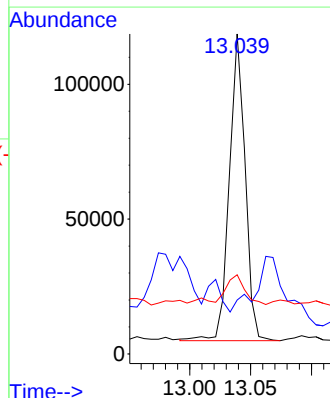
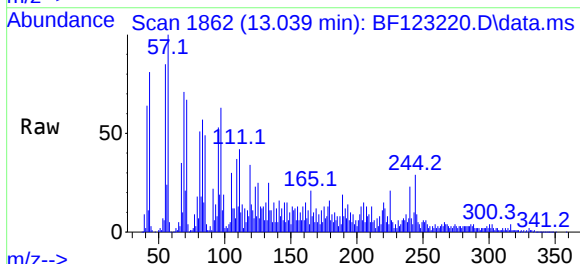
Instrument :  
BNA\_F  
ClientSampleId :  
T1090-181468

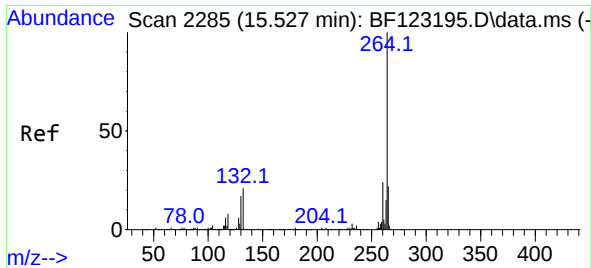
Tgt Ion:240 Resp: 297225  
Ion Ratio Lower Upper  
240 100  
120 14.2 8.6 12.8#  
236 26.3 20.3 30.5



#79  
Terphenyl-d14  
Concen: 6.92 ng  
RT: 13.039 min Scan# 1862  
Delta R.T. 0.041 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Tgt Ion:244 Resp: 102623  
Ion Ratio Lower Upper  
244 100  
212 16.9 5.7 8.5#  
122 24.7 8.3 12.5#





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.539 min Scan# 2287  
Delta R.T. 0.012 min  
Lab File: BF123220.D  
Acq: 17 Feb 2021 19:23

Instrument :  
BNA\_F  
ClientSampleId :  
T1090-181468

Tgt Ion:264 Resp: 331835

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.6  | 28.0  |
| 265 | 21.9  | 17.0  | 25.6  |

