

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032122\  
 Data File : BF127441.D  
 Acq On : 22 Mar 2022 08:02  
 Operator : CG\JU  
 Sample : N1962-13  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-16-15-16

Quant Time: Mar 22 08:43:48 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF032122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 22 02:16:33 2022  
 Response via : Initial Calibration

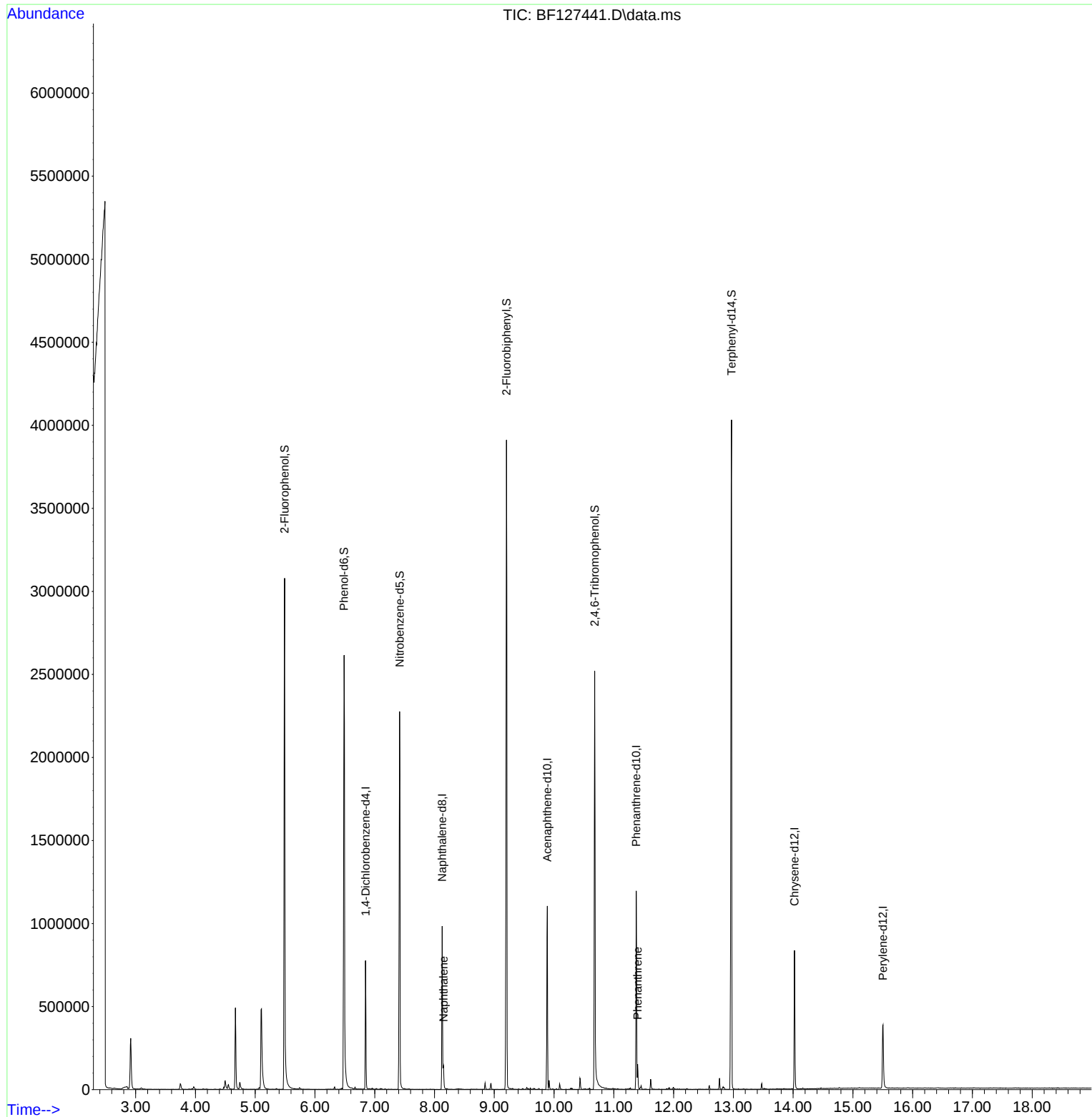
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.846  | 152  | 99706    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.128  | 136  | 368439   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.887  | 164  | 218659   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.375 | 188  | 401287   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.022 | 240  | 282581   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.504 | 264  | 195085   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 790152   | 126.498 | ng    | 0.02     |
| 7) Phenol-d6                | 6.487  | 99   | 1015440  | 118.927 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.416  | 82   | 809979   | 93.973  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.681 | 330  | 328146   | 140.879 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.204  | 172  | 1348542  | 90.057  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.969 | 244  | 1601701  | 92.788  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
| 31) Naphthalene             | 8.151  | 128  | 59611    | 3.047   | ng    | 100      |
| 71) Phenanthrene            | 11.398 | 178  | 50593    | 2.418   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

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

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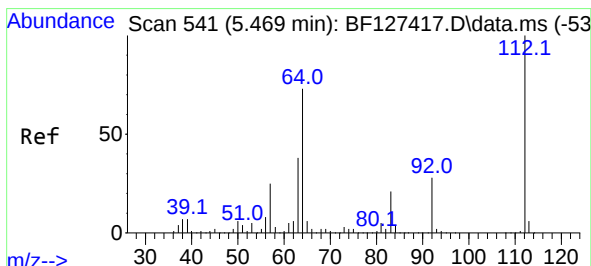
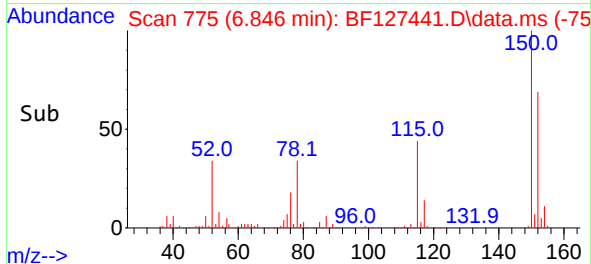
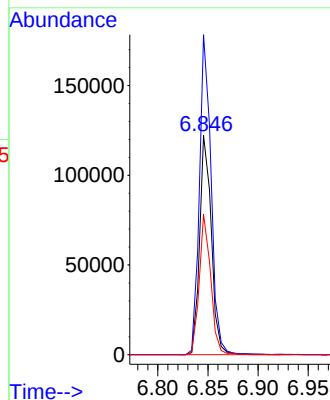
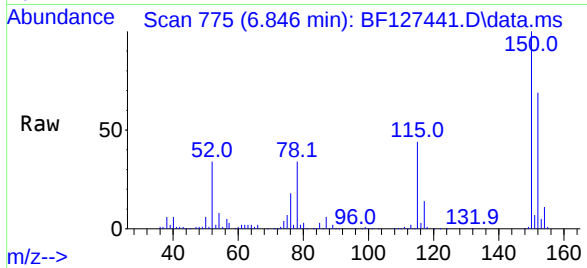




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.846 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

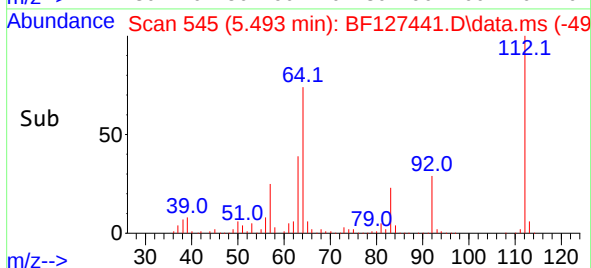
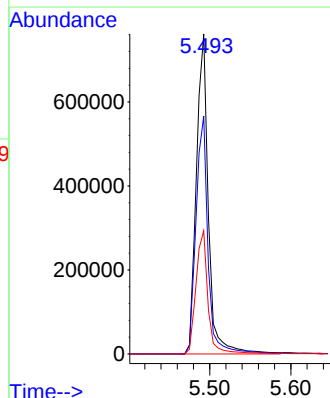
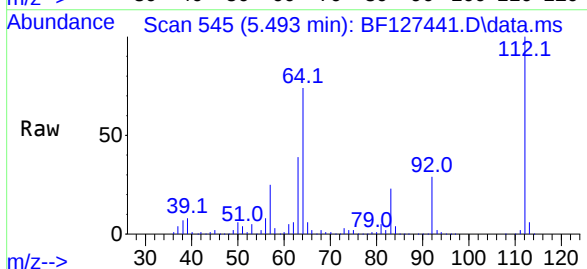
Instrument :  
BNA\_F  
ClientSampleId :  
C-16-15-16

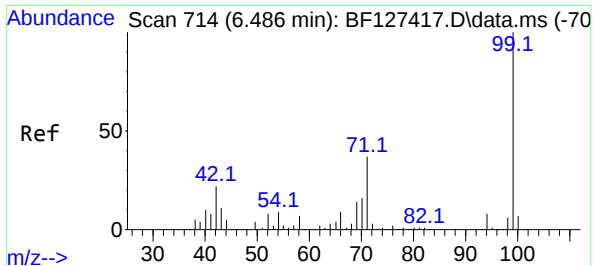
Tgt Ion:152 Resp: 99706  
Ion Ratio Lower Upper  
152 100  
150 145.9 117.2 175.8  
115 64.1 49.8 74.6



#5  
2-Fluorophenol  
Concen: 126.498 ng  
RT: 5.493 min Scan# 545  
Delta R.T. 0.024 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

Tgt Ion:112 Resp: 790152  
Ion Ratio Lower Upper  
112 100  
64 74.3 58.4 87.6  
63 38.5 30.1 45.1



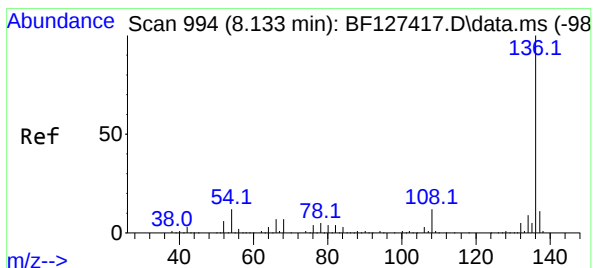
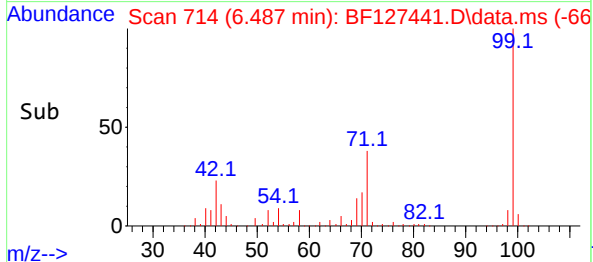
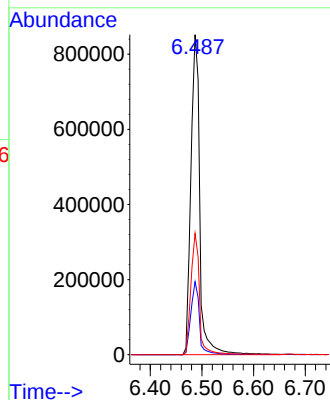
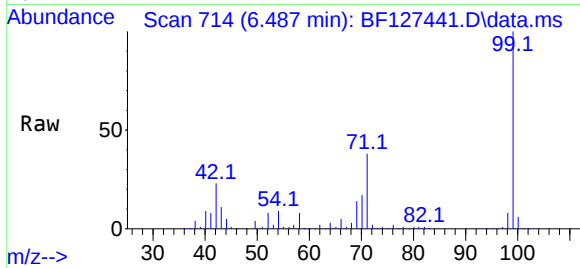


#7  
Phenol-d6  
Concen: 118.927 ng  
RT: 6.487 min Scan# 714  
Delta R.T. 0.000 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

Instrument :  
BNA\_F  
ClientSampleId :  
C-16-15-16

Tgt Ion: 99 Resp: 1015440

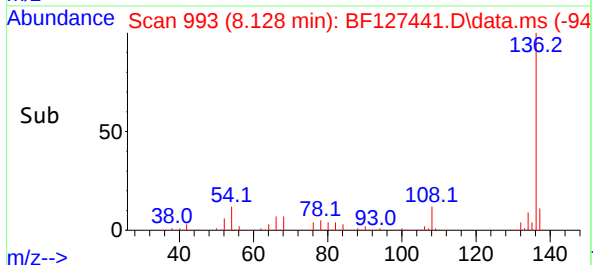
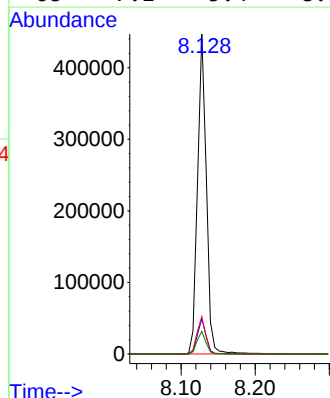
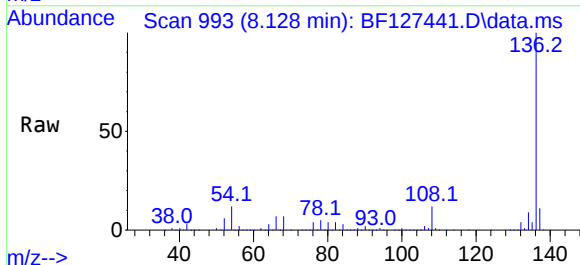
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.8  | 17.8  | 26.6  |
| 71  | 37.9  | 29.6  | 44.4  |

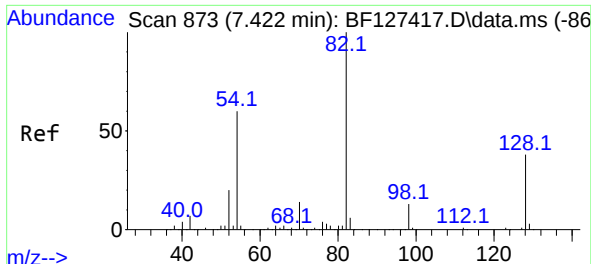


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 993  
Delta R.T. -0.006 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

Tgt Ion:136 Resp: 368439

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 13.0  |
| 54  | 11.7  | 9.2   | 13.8  |
| 68  | 7.1   | 5.4   | 8.0   |

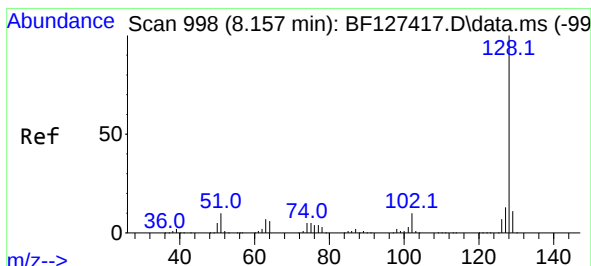
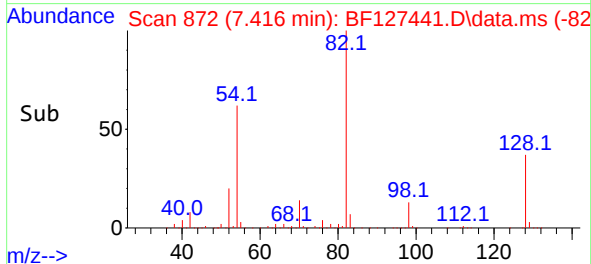
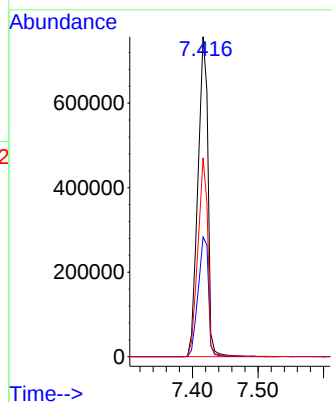
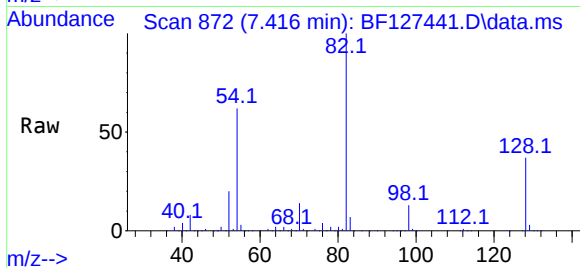




#23  
Nitrobenzene-d5  
Concen: 93.973 ng  
RT: 7.416 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

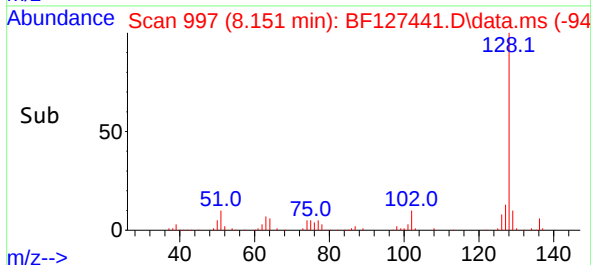
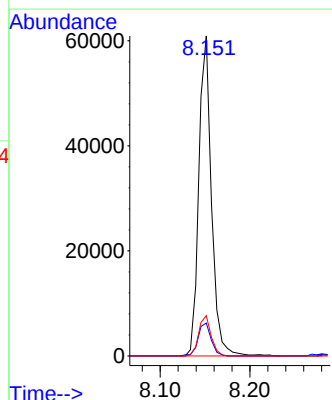
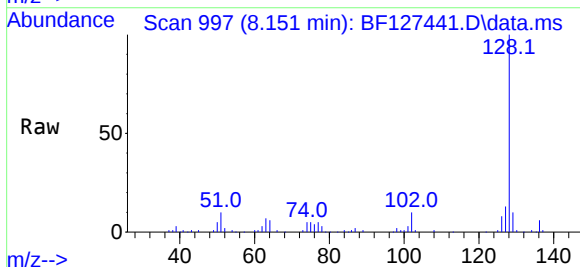
Instrument :  
BNA\_F  
ClientSampleId :  
C-16-15-16

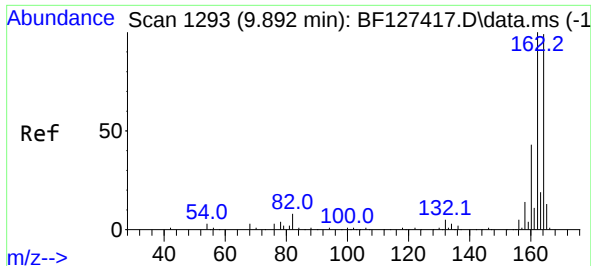
Tgt Ion: 82 Resp: 809979  
Ion Ratio Lower Upper  
82 100  
128 37.4 30.6 45.8  
54 62.1 48.2 72.2



#31  
Naphthalene  
Concen: 3.047 ng  
RT: 8.151 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

Tgt Ion: 128 Resp: 59611  
Ion Ratio Lower Upper  
128 100  
129 10.3 8.4 12.6  
127 12.6 10.2 15.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.887 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127441.D

Acq: 22 Mar 2022 08:02

Instrument :

BNA\_F

ClientSampleId :

C-16-15-16

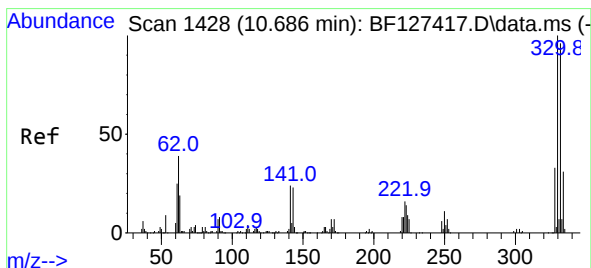
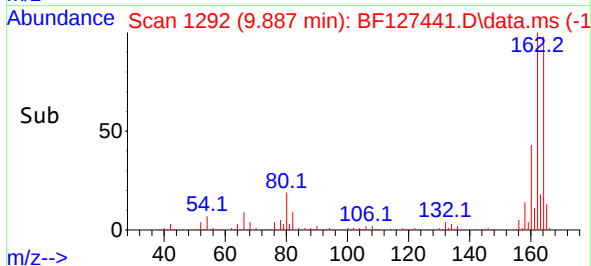
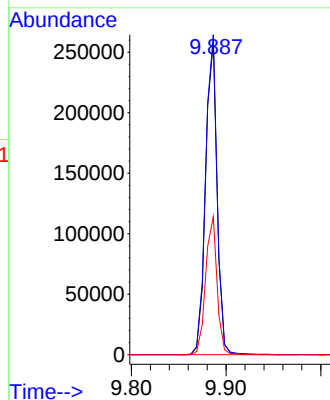
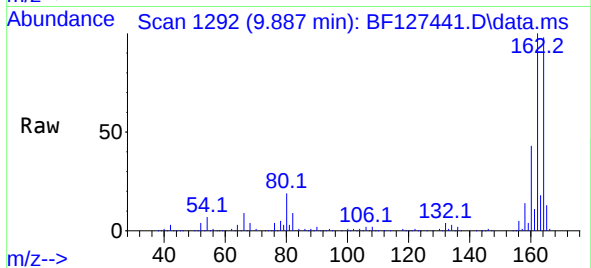
Tgt Ion:164 Resp: 218659

Ion Ratio Lower Upper

164 100

162 102.5 81.2 121.8

160 44.2 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 140.879 ng

RT: 10.681 min Scan# 1427

Delta R.T. -0.006 min

Lab File: BF127441.D

Acq: 22 Mar 2022 08:02

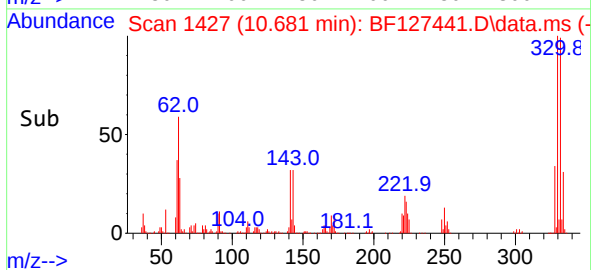
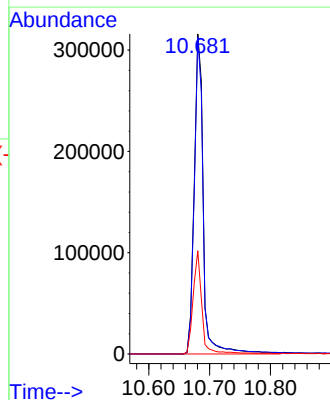
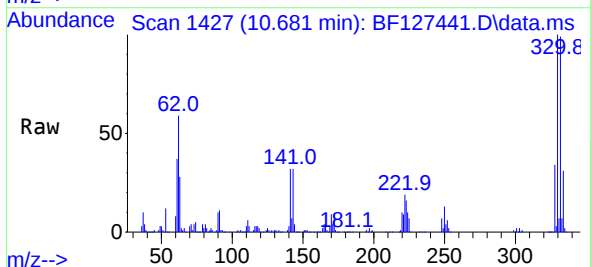
Tgt Ion:330 Resp: 328146

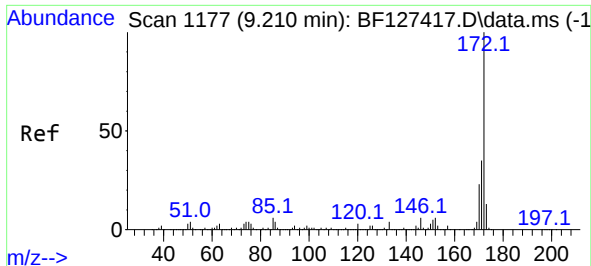
Ion Ratio Lower Upper

330 100

332 98.4 79.1 118.7

141 31.5 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 90.057 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127441.D

Acq: 22 Mar 2022 08:02

Instrument :

BNA\_F

ClientSampleId :

C-16-15-16

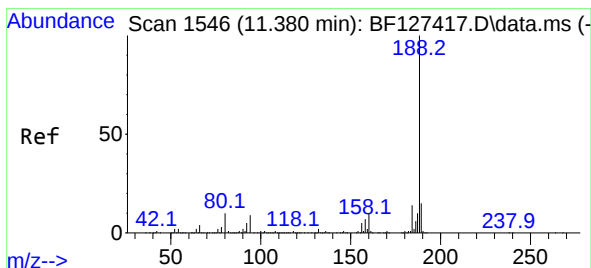
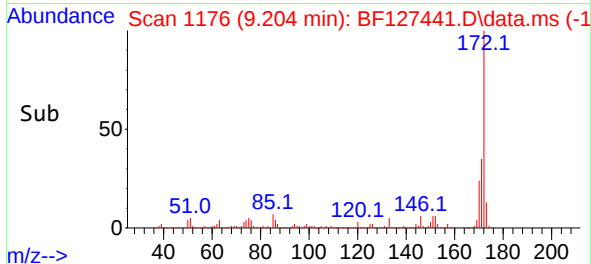
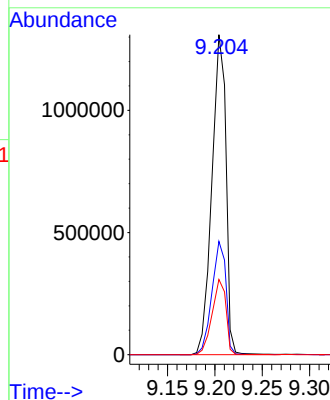
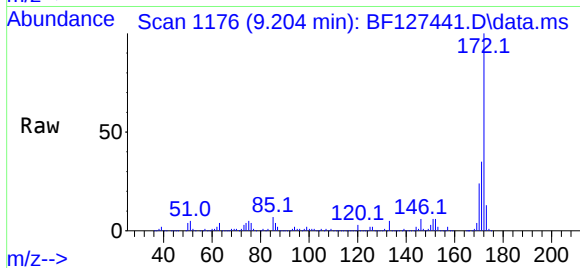
Tgt Ion:172 Resp: 1348542

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.5 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1545

Delta R.T. -0.005 min

Lab File: BF127441.D

Acq: 22 Mar 2022 08:02

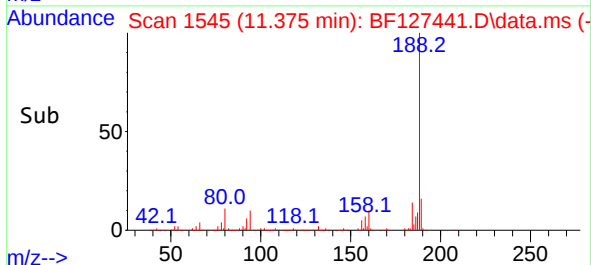
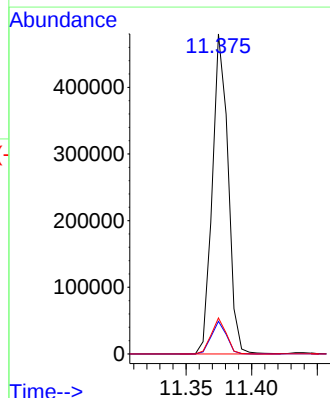
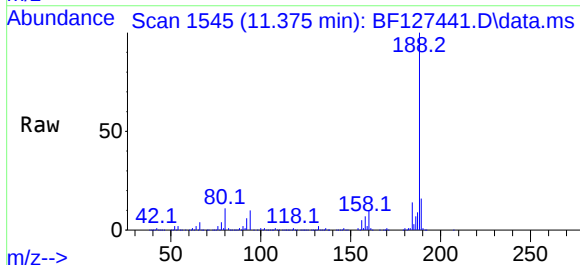
Tgt Ion:188 Resp: 401287

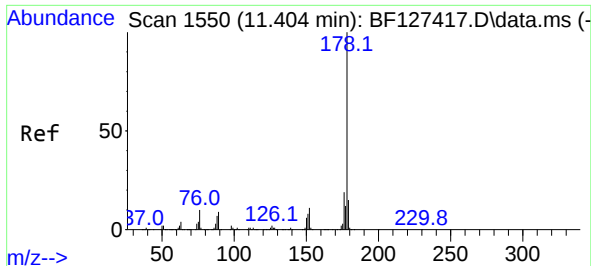
Ion Ratio Lower Upper

188 100

94 10.2 7.4 11.0

80 11.2 8.0 12.0

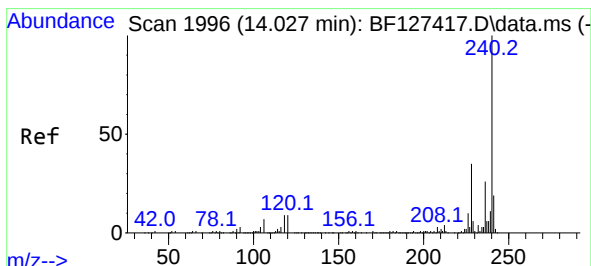
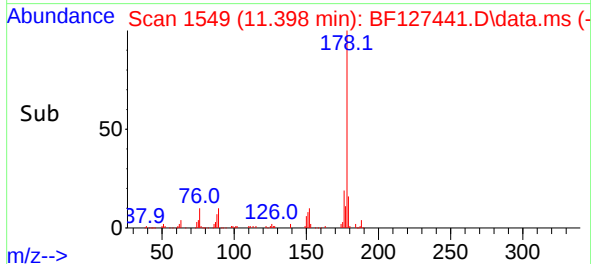
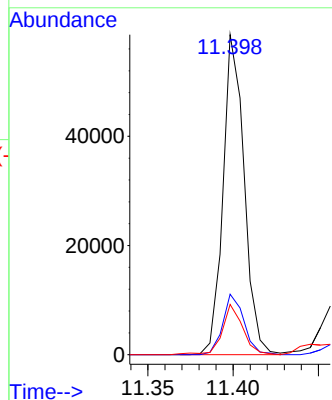
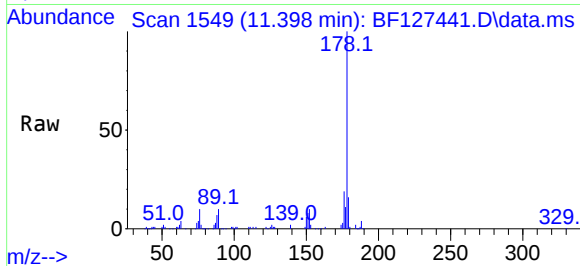




#71  
Phenanthrene  
Concen: 2.418 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

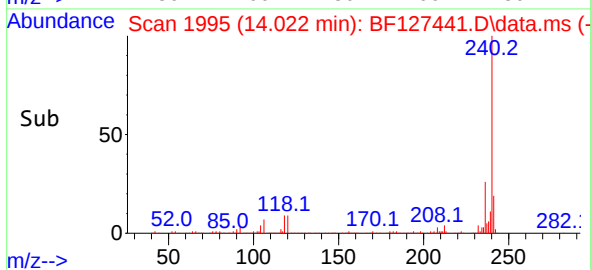
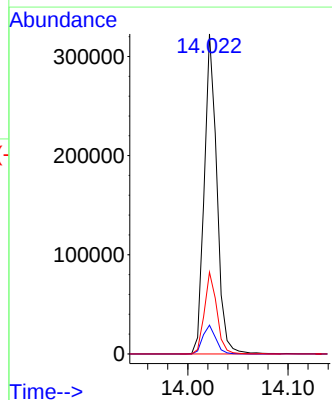
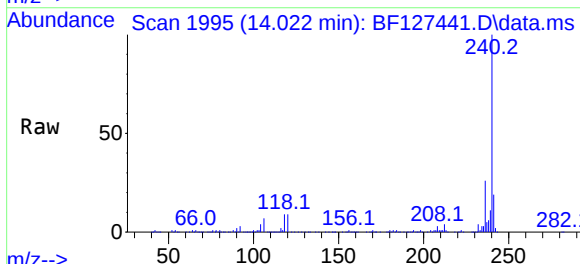
Instrument :  
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C-16-15-16

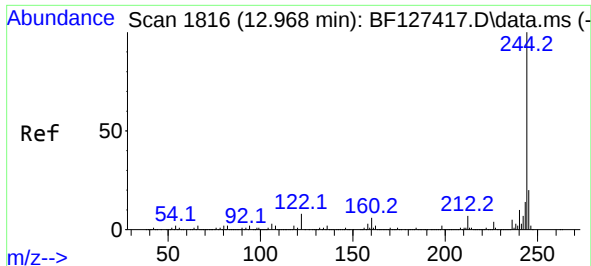
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Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.2  
179 15.7 12.4 18.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.022 min Scan# 1995  
Delta R.T. -0.006 min  
Lab File: BF127441.D  
Acq: 22 Mar 2022 08:02

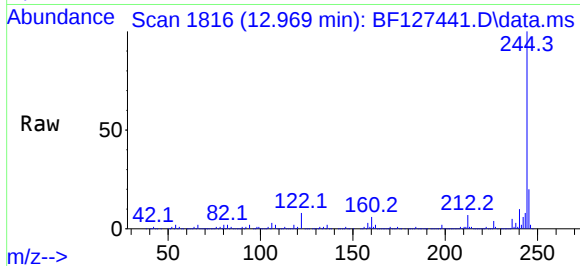
Tgt Ion:240 Resp: 282581  
Ion Ratio Lower Upper  
240 100  
120 9.0 7.1 10.7  
236 25.5 20.7 31.1



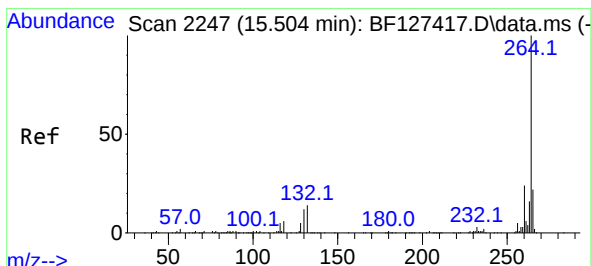
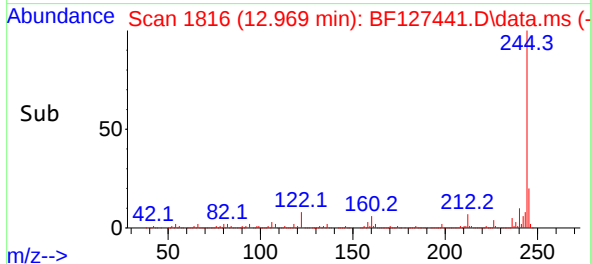
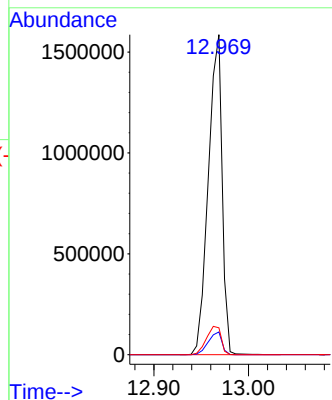


#79  
 Terphenyl-d14  
 Concen: 92.788 ng  
 RT: 12.969 min Scan# 1816  
 Delta R.T. 0.000 min  
 Lab File: BF127441.D  
 Acq: 22 Mar 2022 08:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-16-15-16



Tgt Ion:244 Resp: 1601701  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.7 8.5  
 122 8.4 6.2 9.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.504 min Scan# 2247  
 Delta R.T. 0.000 min  
 Lab File: BF127441.D  
 Acq: 22 Mar 2022 08:02

Tgt Ion:264 Resp: 195085  
 Ion Ratio Lower Upper  
 264 100  
 260 25.7 19.1 28.7  
 265 20.7 17.4 26.2

