

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083021\  
 Data File : BF125273.D  
 Acq On : 30 Aug 2021 20:59  
 Operator : JU/CG  
 Sample : M3561-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FA4-9

Quant Time: Aug 31 05:30:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 24 12:39:21 2021  
 Response via : Initial Calibration

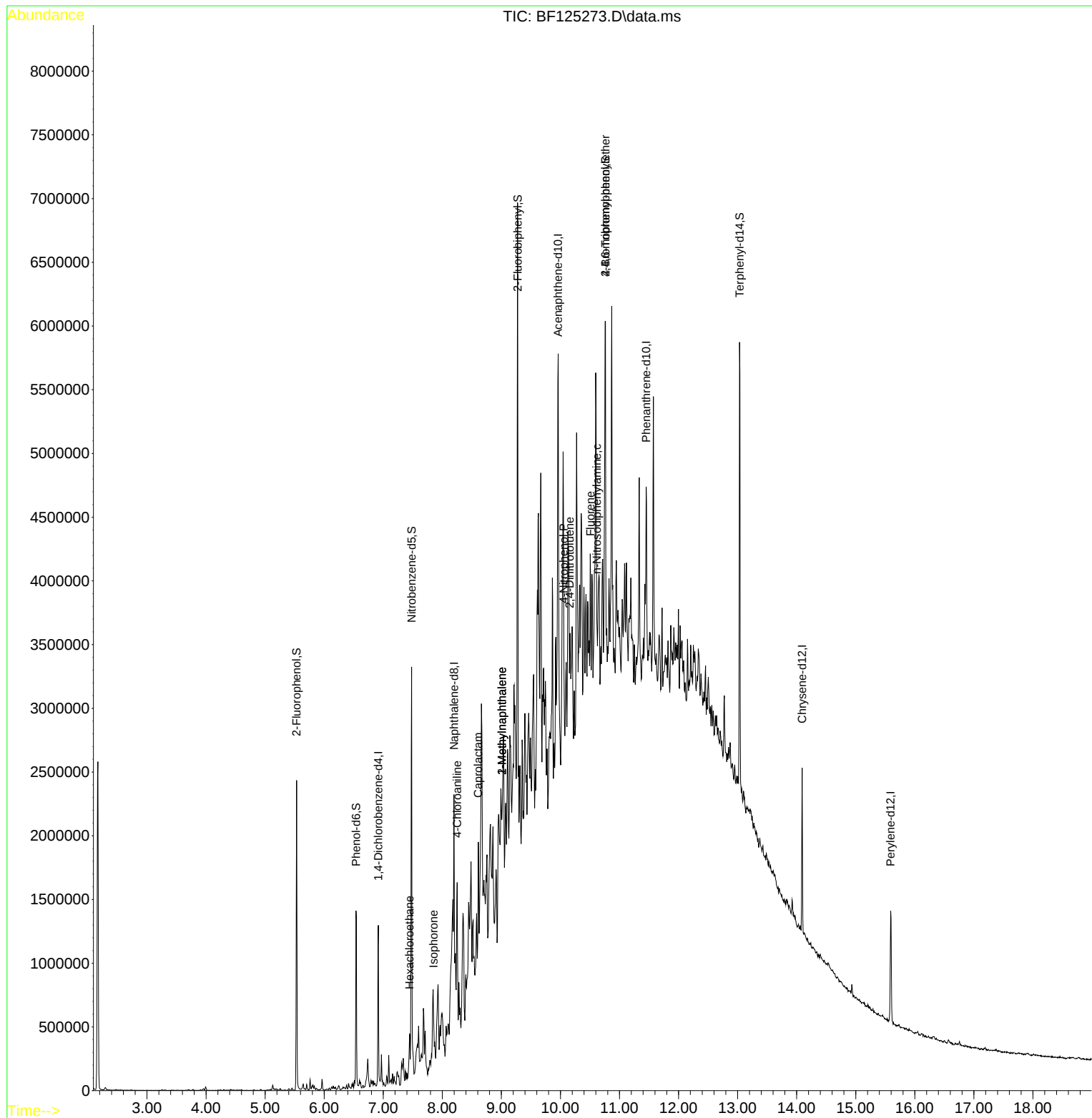
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.916  | 152  | 166911   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.198  | 136  | 639562   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.957  | 164  | 312832   | 20.000  | ng    | # 0.00   |
| 64) Phenanthrene-d10          | 11.451 | 188  | 505303   | 20.000  | ng    | # 0.01   |
| 76) Chrysene-d12              | 14.092 | 240  | 424388   | 20.000  | ng    | # 0.01   |
| 86) Perylene-d12              | 15.592 | 264  | 421366   | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 574404   | 52.089  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.540  | 99   | 469412   | 32.914  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 930916   | 73.278  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.763 | 330  | 413417   | 132.389 | ng    | 0.02     |
| 45) 2-Fluorobiphenyl          | 9.275  | 172  | 1615524  | 71.975  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 1464736  | 54.984  | ng    | 0.01     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 18) Hexachloroethane          | 7.445  | 117  | 19742    | 4.340   | ng    | # 36     |
| 25) Isophorone                | 7.851  | 82   | 69586    | 2.839   | ng    | # 61     |
| 33) 4-Chloroaniline           | 8.251  | 127  | 31334    | 2.427   | ng    | # 82     |
| 35) Caprolactam               | 8.610  | 113  | 20177    | 7.894   | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 9.010  | 142  | 123136   | 5.689   | ng    | 94       |
| 38) 1-Methylnaphthalene       | 9.010  | 142  | 123136   | 6.092   | ng    | 100      |
| 56) 4-Nitrophenol             | 10.057 | 139  | 8963     | 2.233   | ng    | # 1      |
| 57) 2,4-Dinitrotoluene        | 10.157 | 165  | 12042    | 2.117   | ng    | # 50     |
| 58) Fluorene                  | 10.510 | 166  | 71576    | 3.633   | ng    | # 90     |
| 66) n-Nitrosodiphenylamine    | 10.616 | 169  | 61675    | 3.409   | ng    | # 59     |
| 67) 4-Bromophenyl-phenylether | 10.763 | 248  | 25236    | 4.159   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

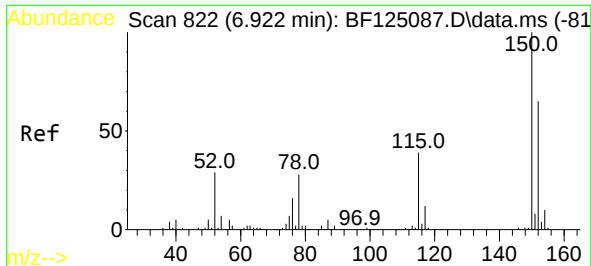
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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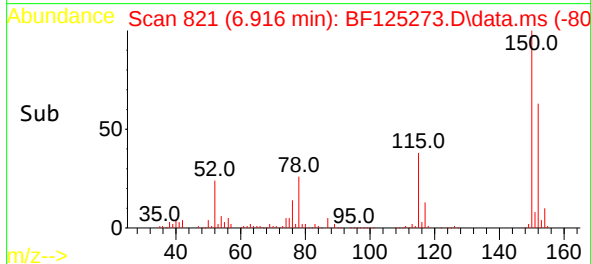
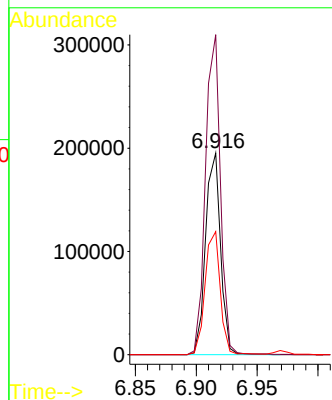
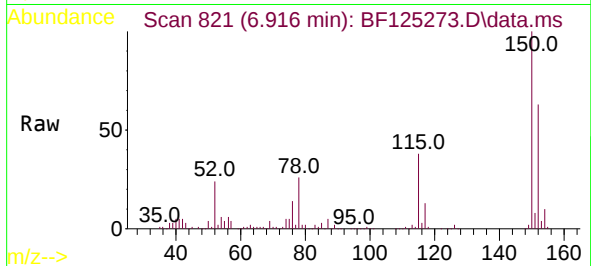




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.916 min Scan# 821  
Delta R.T. -0.000 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

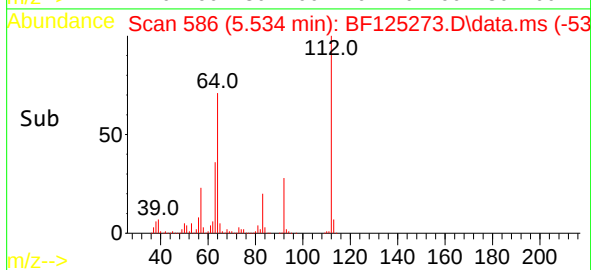
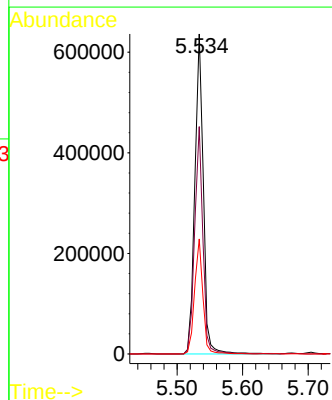
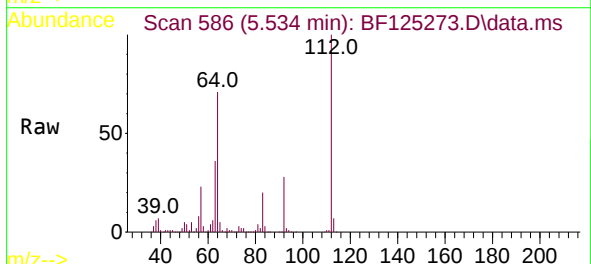
Instrument :  
BNA\_F  
ClientSampleId :  
FA4-9

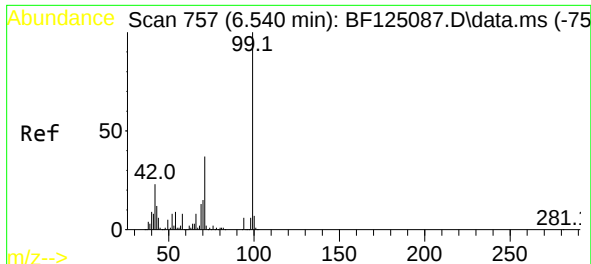
Tgt Ion:152 Resp: 166911  
Ion Ratio Lower Upper  
152 100  
150 158.7 117.6 176.4  
115 61.0 47.1 70.7



#5  
2-Fluorophenol  
Concen: 52.089 ng  
RT: 5.534 min Scan# 586  
Delta R.T. 0.006 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion:112 Resp: 574404  
Ion Ratio Lower Upper  
112 100  
64 71.1 44.2 66.2#  
63 35.9 26.2 39.2

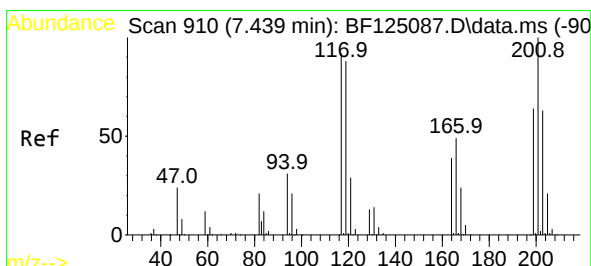
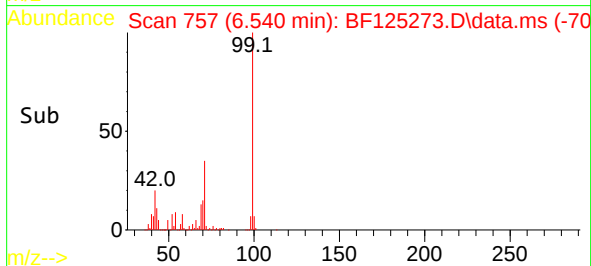
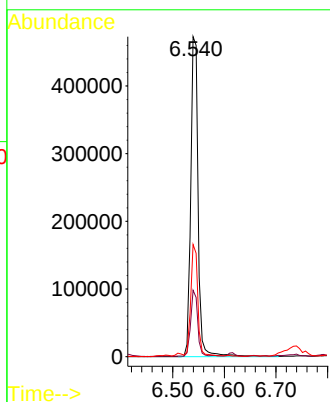
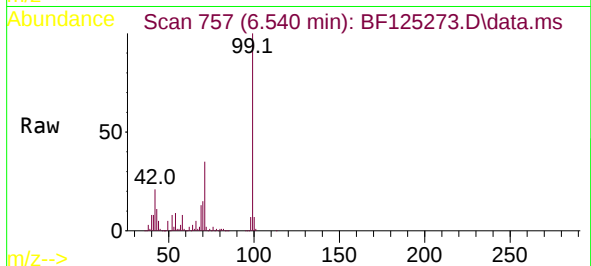




#7  
Phenol-d6  
Concen: 32.914 ng  
RT: 6.540 min Scan# 757  
Delta R.T. 0.000 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

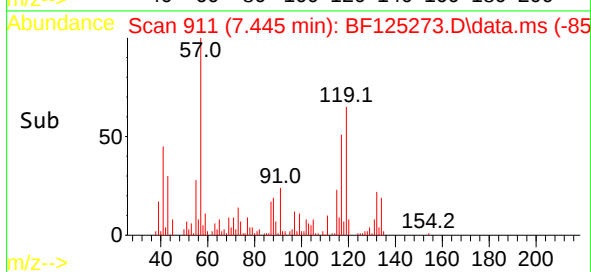
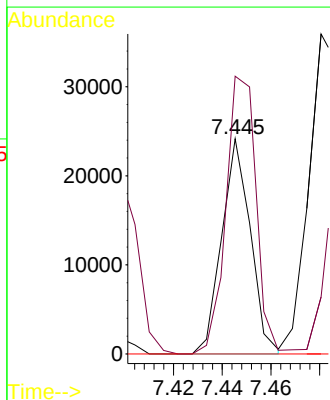
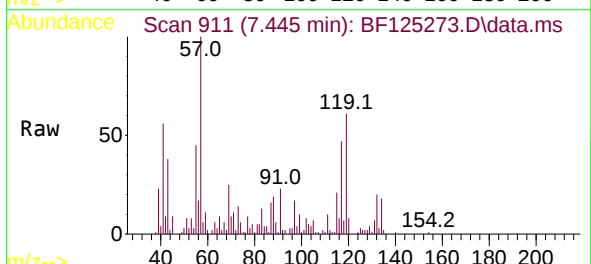
Instrument :  
BNA\_F  
ClientSampleId :  
FA4-9

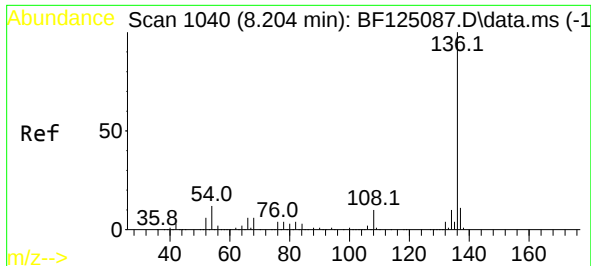
Tgt Ion: 99 Resp: 469412  
Ion Ratio Lower Upper  
99 100  
42 20.7 23.5 35.3#  
71 35.0 25.6 38.4



#18  
Hexachloroethane  
Concen: 4.340 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.012 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion: 117 Resp: 19742  
Ion Ratio Lower Upper  
117 100  
119 129.1 73.4 110.2#  
201 0.0 64.9 97.3#

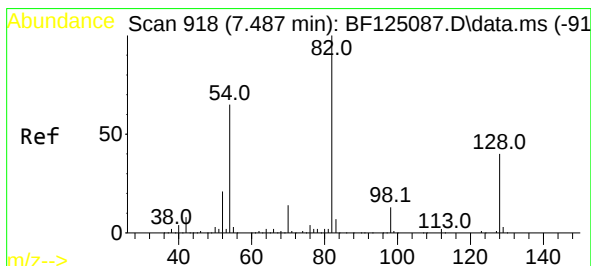
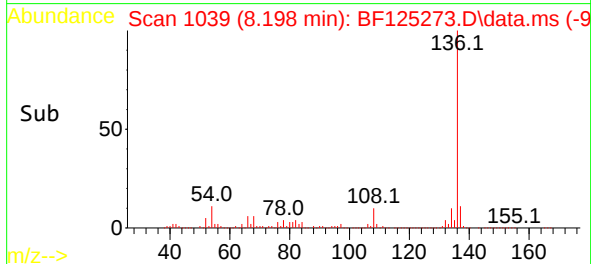
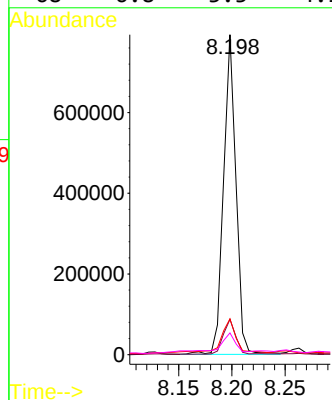
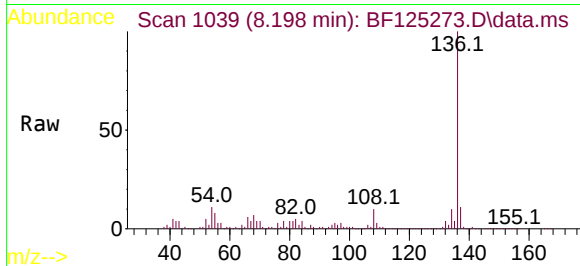




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

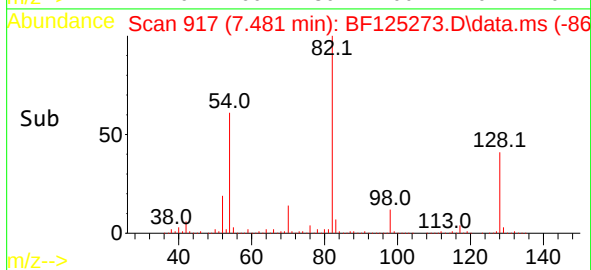
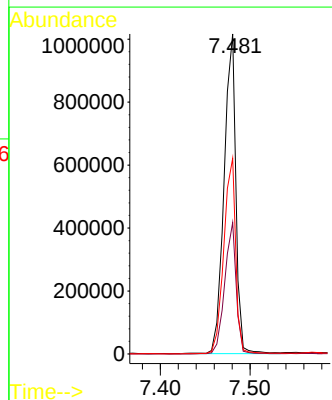
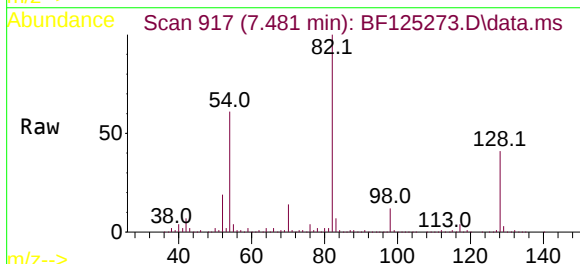
Instrument :  
BNA\_F  
ClientSampleId :  
FA4-9

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 639562 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.8   | 14.6   |
| 54       | 11.2  | 6.4   | 9.6#   |
| 68       | 6.8   | 3.3   | 4.9#   |



#23  
Nitrobenzene-d5  
Concen: 73.278 ng  
RT: 7.481 min Scan# 917  
Delta R.T. 0.000 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 930916 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.1  | 40.6  | 60.8   |
| 54       | 61.1  | 49.6  | 74.4   |

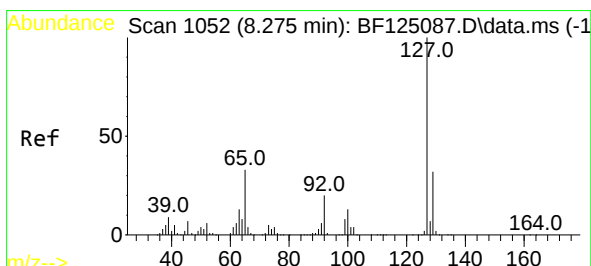
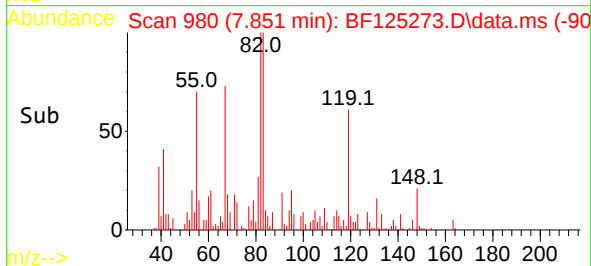
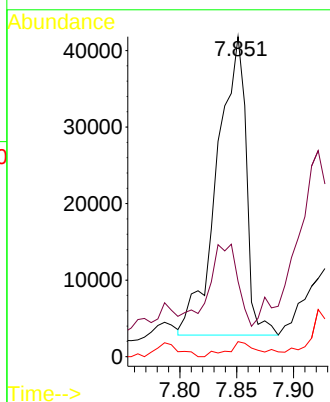
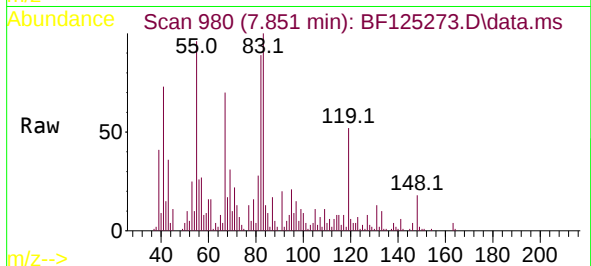




#25  
Isophorone  
Concen: 2.839 ng  
RT: 7.851 min Scan# 980  
Delta R.T. 0.118 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

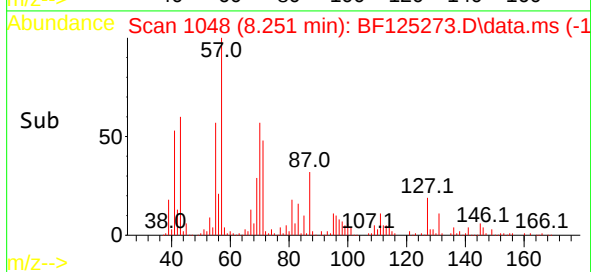
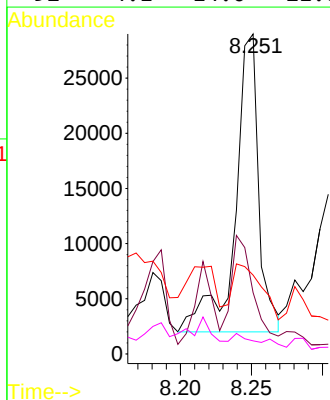
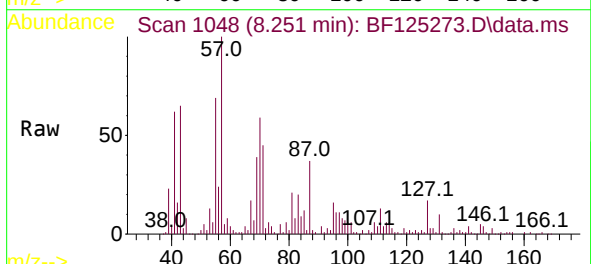
Instrument :  
BNA\_F  
ClientSampled :  
FA4-9

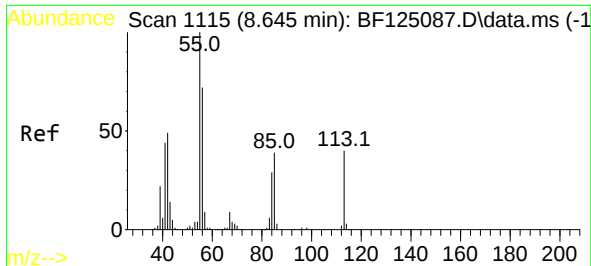
Tgt Ion: 82 Resp: 69586  
Ion Ratio Lower Upper  
82 100  
95 23.6 6.5 9.7#  
138 4.7 18.4 27.6#



#33  
4-Chloroaniline  
Concen: 2.427 ng  
RT: 8.251 min Scan# 1048  
Delta R.T. -0.018 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion: 127 Resp: 31334  
Ion Ratio Lower Upper  
127 100  
129 19.2 25.7 38.5#  
65 24.7 21.2 31.8  
92 4.1 14.0 21.0#

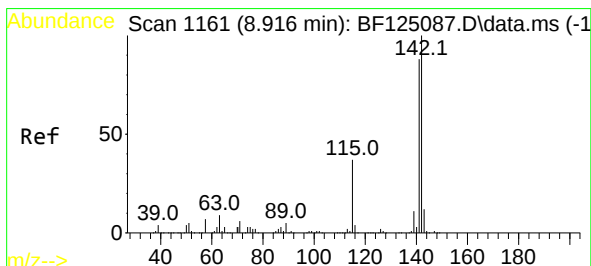
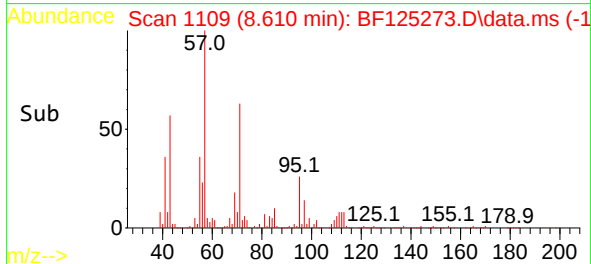
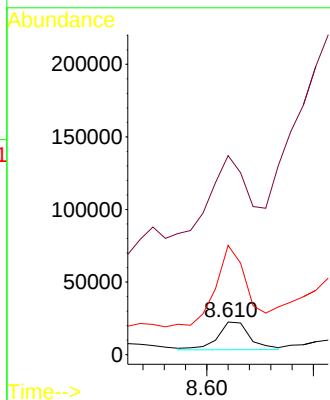
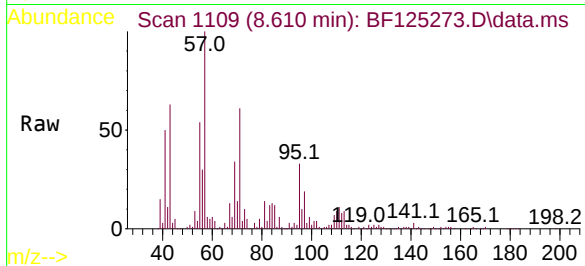




#35  
Caprolactam  
Concen: 7.894 ng  
RT: 8.610 min Scan# 1109  
Delta R.T. -0.018 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

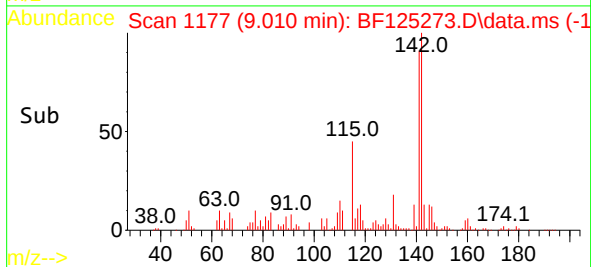
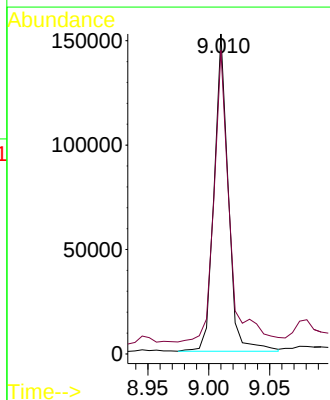
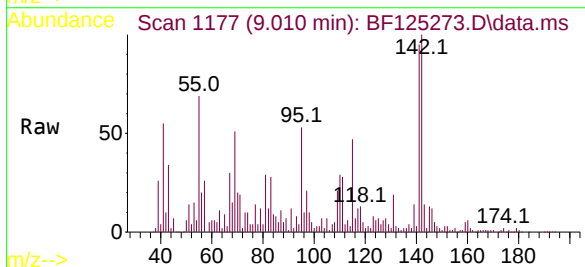
Instrument :  
BNA\_F  
ClientSampled :  
FA4-9

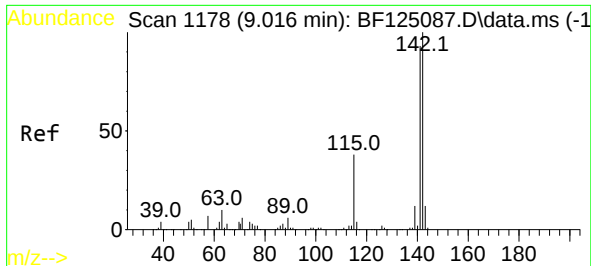
Tgt Ion:113 Resp: 20177  
Ion Ratio Lower Upper  
113 100  
55 609.8 154.1 194.1#  
56 334.7 108.7 148.7#



#37  
2-Methylnaphthalene  
Concen: 5.689 ng  
RT: 9.010 min Scan# 1177  
Delta R.T. 0.100 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion:142 Resp: 123136  
Ion Ratio Lower Upper  
142 100  
141 94.9 71.2 106.8

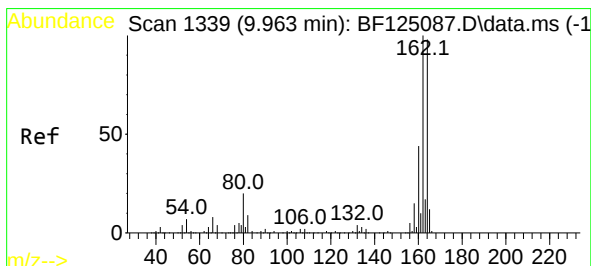
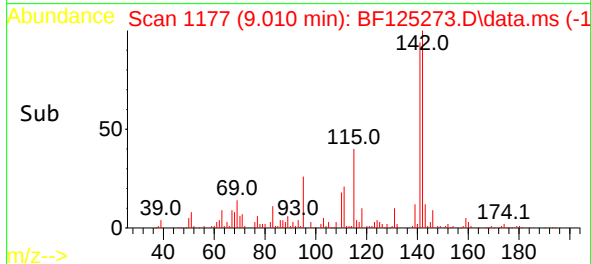
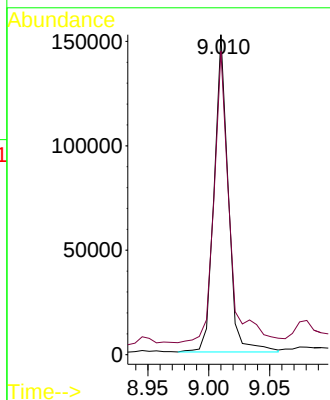
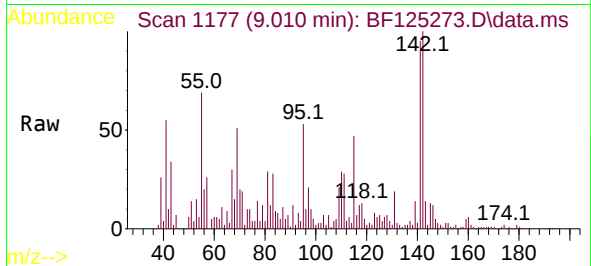




#38  
1-Methylnaphthalene  
Concen: 6.092 ng  
RT: 9.010 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

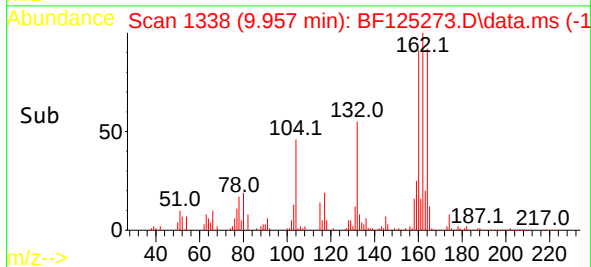
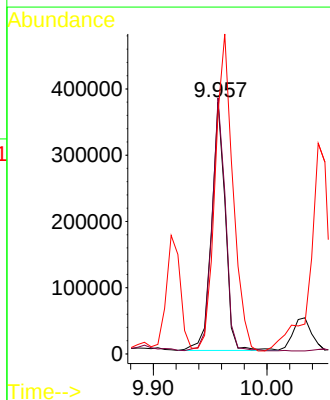
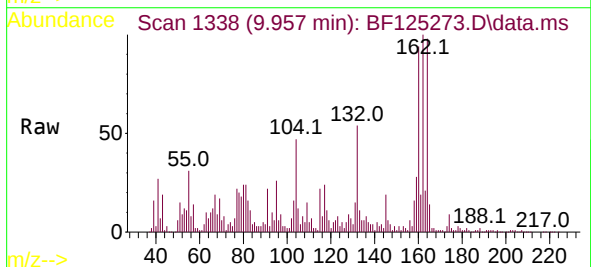
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BNA\_F  
ClientSampleId :  
FA4-9

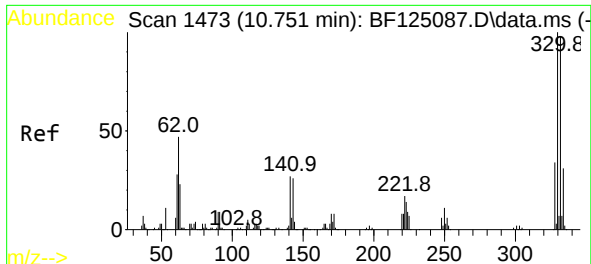
Tgt Ion:142 Resp: 123136  
Ion Ratio Lower Upper  
142 100  
141 94.9 76.0 114.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. 0.006 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion:164 Resp: 312832  
Ion Ratio Lower Upper  
164 100  
162 101.7 81.3 121.9  
160 95.6 38.0 57.0#

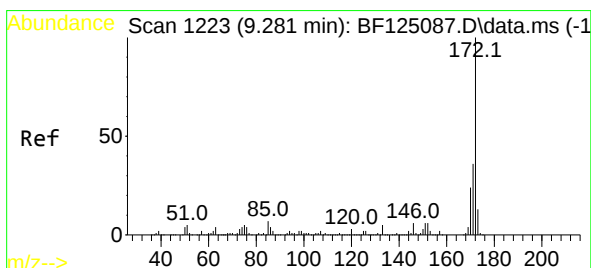
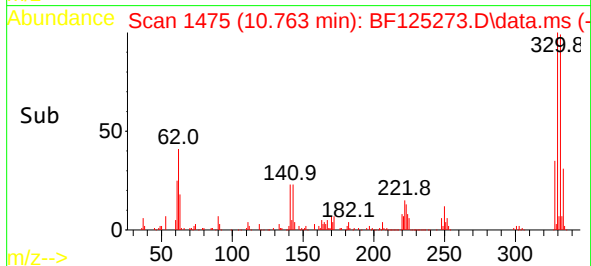
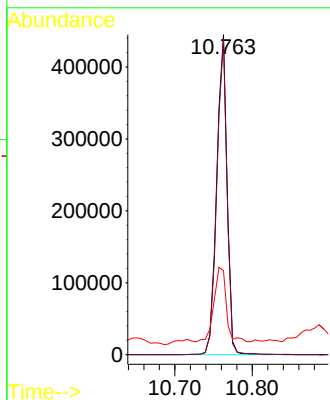
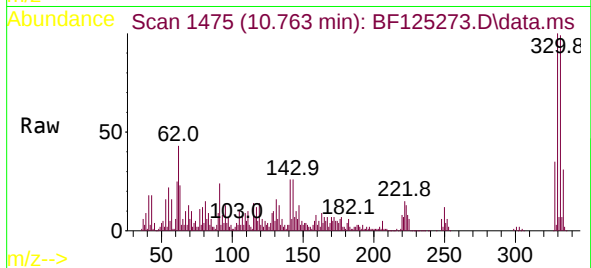




#42  
2,4,6-Tribromophenol  
Concen: 132.389 ng  
RT: 10.763 min Scan# 1475  
Delta R.T. 0.024 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

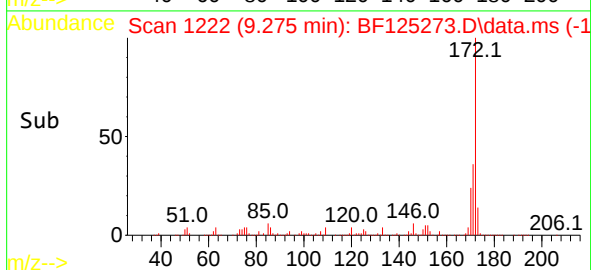
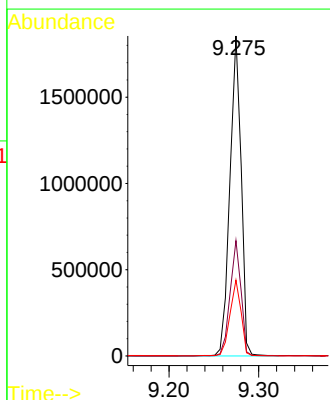
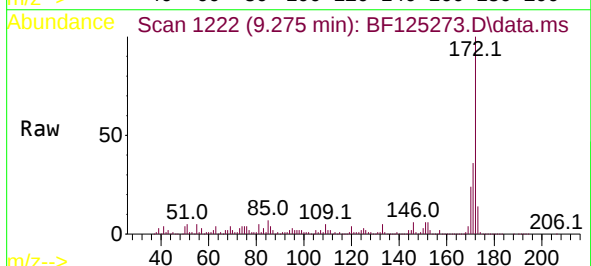
Instrument :  
BNA\_F  
ClientSampled :  
FA4-9

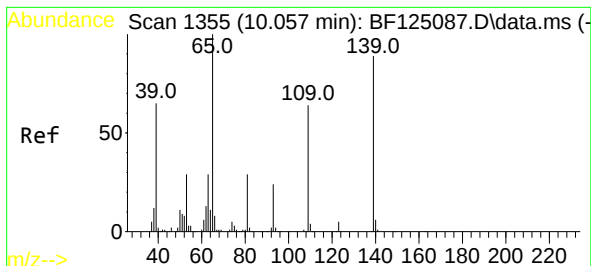
Tgt Ion: 330 Resp: 413417  
Ion Ratio Lower Upper  
330 100  
332 97.1 76.2 114.4  
141 28.0 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 71.975 ng  
RT: 9.275 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion: 172 Resp: 1615524  
Ion Ratio Lower Upper  
172 100  
171 36.0 26.5 39.7  
170 23.7 18.8 28.2

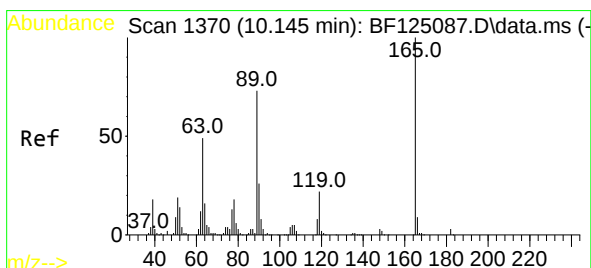
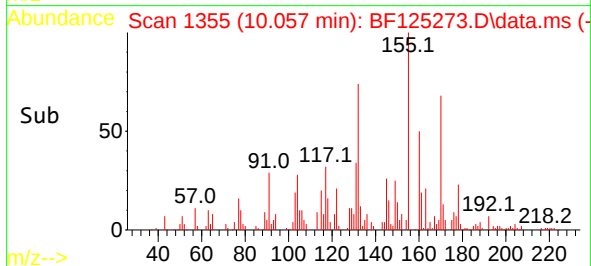
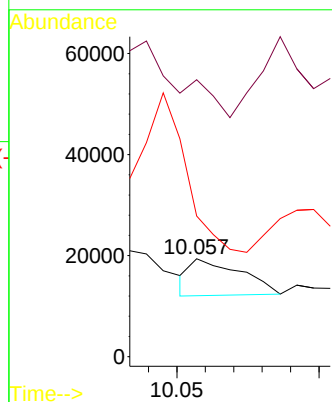
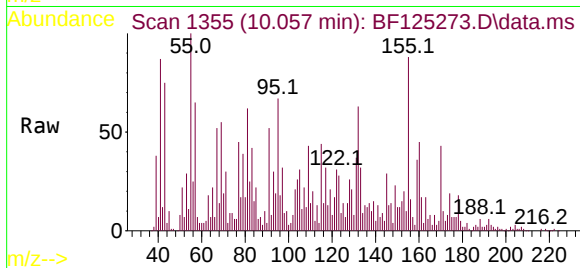




#56  
4-Nitrophenol  
Concen: 2.233 ng  
RT: 10.057 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

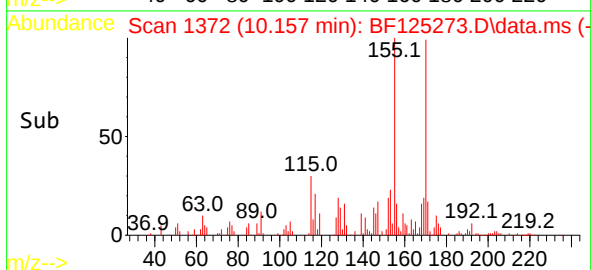
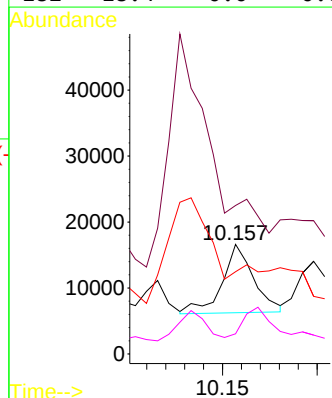
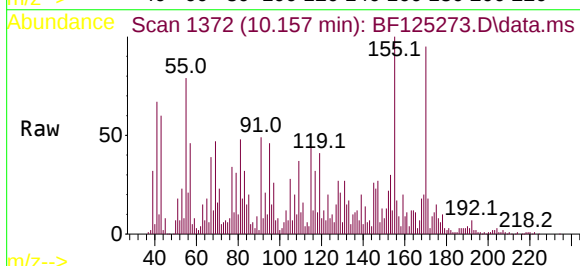
Instrument :  
BNA\_F  
ClientSampled :  
FA4-9

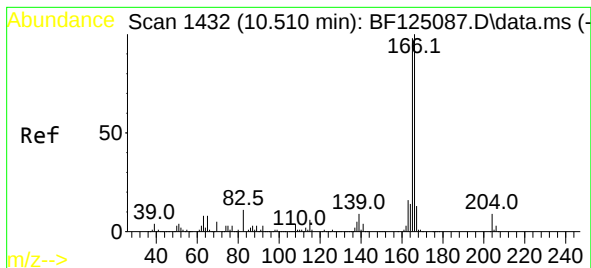
Tgt Ion:139 Resp: 8963  
Ion Ratio Lower Upper  
139 100  
109 282.8 60.4 100.4#  
65 143.7 58.4 98.4#



#57  
2,4-Dinitrotoluene  
Concen: 2.117 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. 0.024 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion:165 Resp: 12042  
Ion Ratio Lower Upper  
165 100  
63 135.5 40.9 61.3#  
89 75.1 59.7 89.5  
182 18.4 0.0 0.0#

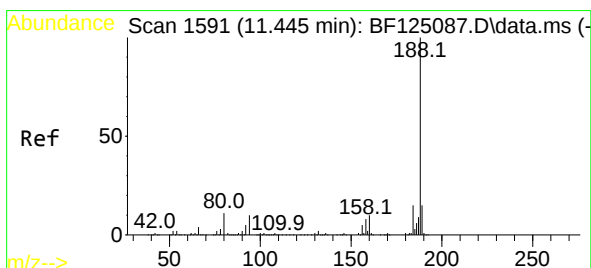
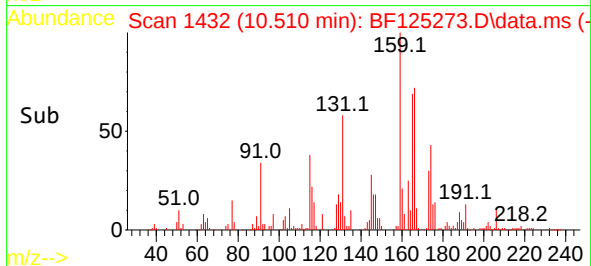
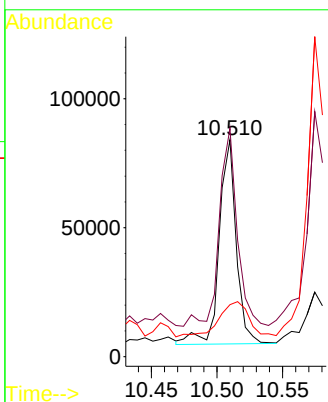
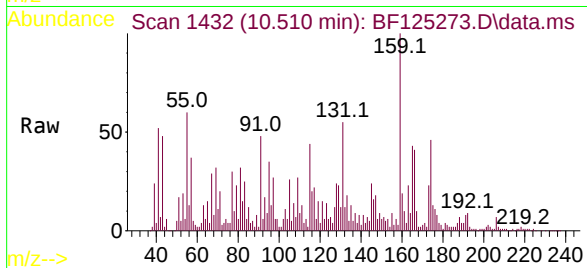




#58  
Fluorene  
Concen: 3.633 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

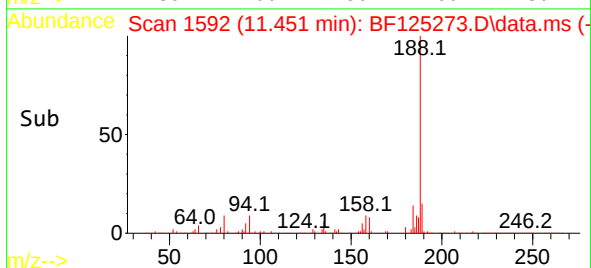
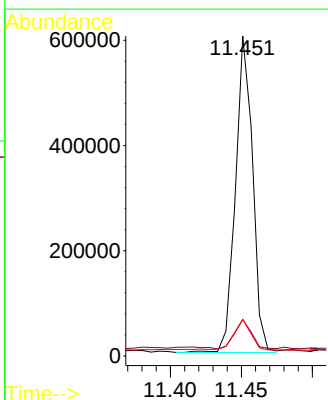
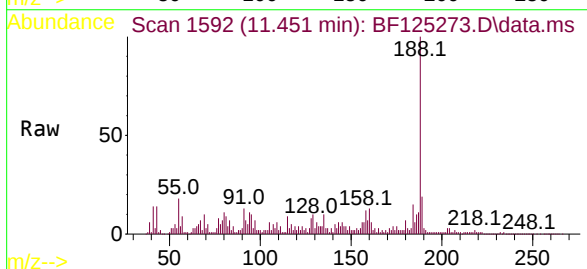
Instrument :  
BNA\_F  
ClientSampleId :  
FA4-9

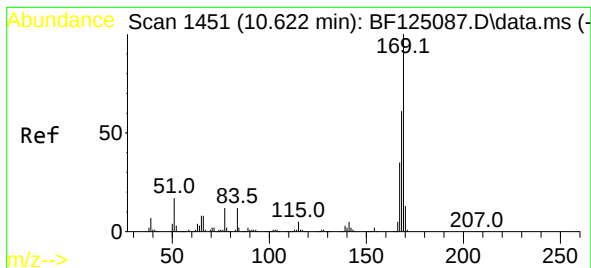
Tgt Ion:166 Resp: 71576  
Ion Ratio Lower Upper  
166 100  
165 105.3 78.1 117.1  
167 24.0 11.1 16.7#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. 0.012 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion:188 Resp: 505303  
Ion Ratio Lower Upper  
188 100  
94 11.4 6.7 10.1#  
80 11.4 7.5 11.3#

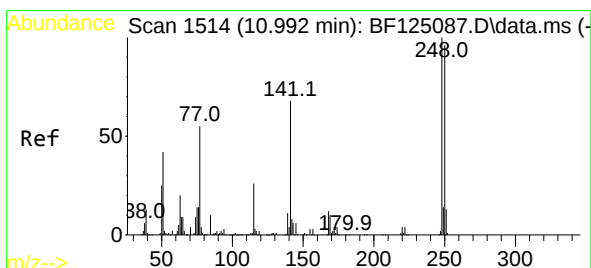
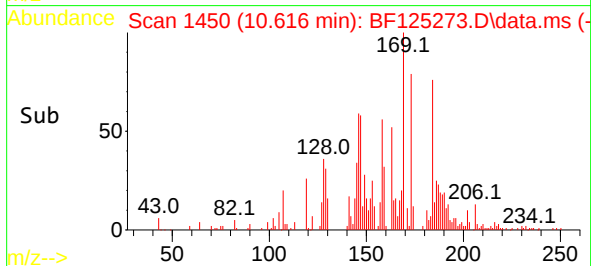
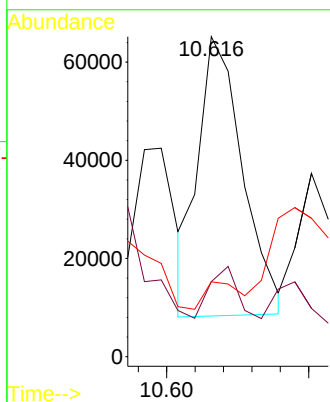
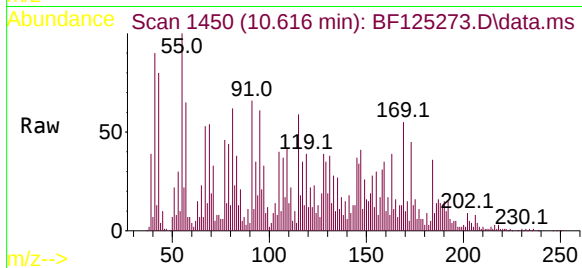




#66  
n-Nitrosodiphenylamine  
Concen: 3.409 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. 0.006 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

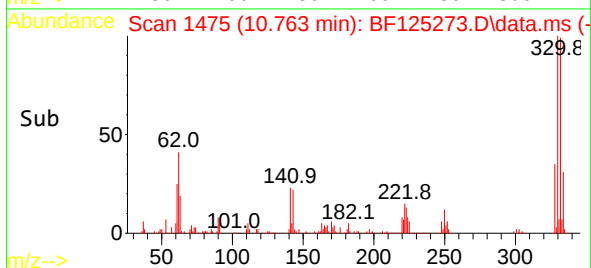
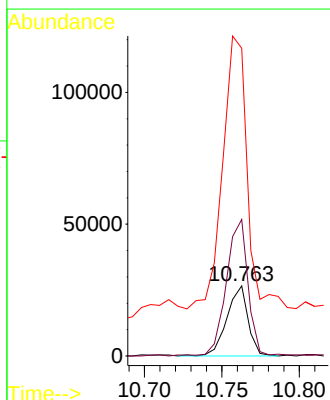
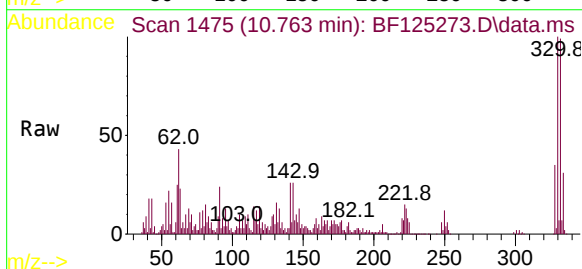
Instrument :  
BNA\_F  
ClientSampled :  
FA4-9

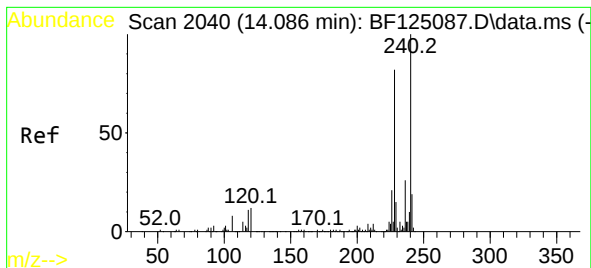
Tgt Ion:169 Resp: 61675  
Ion Ratio Lower Upper  
169 100  
168 23.5 50.8 76.2#  
167 23.4 28.8 43.2#



#67  
4-Bromophenyl-phenylether  
Concen: 4.159 ng  
RT: 10.763 min Scan# 1475  
Delta R.T. -0.218 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion:248 Resp: 25236  
Ion Ratio Lower Upper  
248 100  
250 194.6 74.2 111.4#  
141 438.9 60.4 90.6#

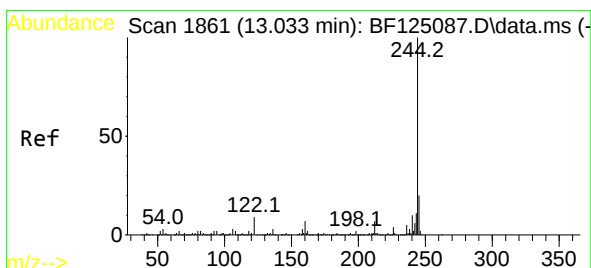
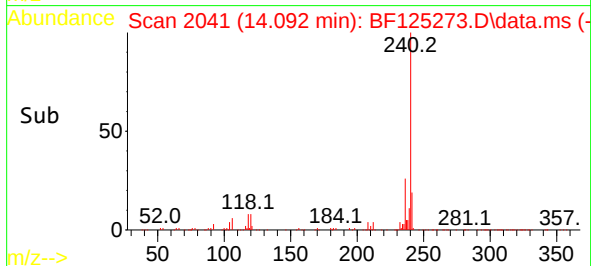
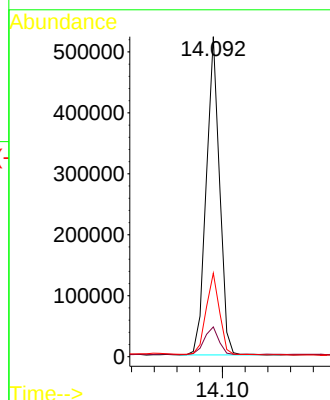
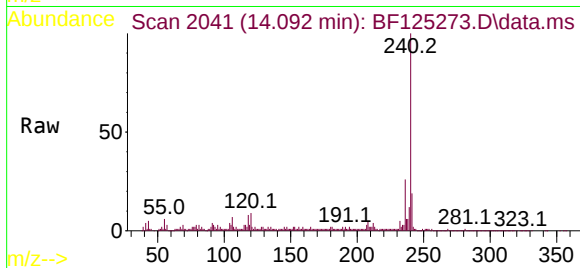




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.092 min Scan# 2041  
Delta R.T. 0.012 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

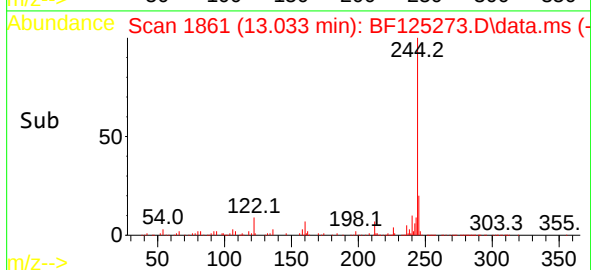
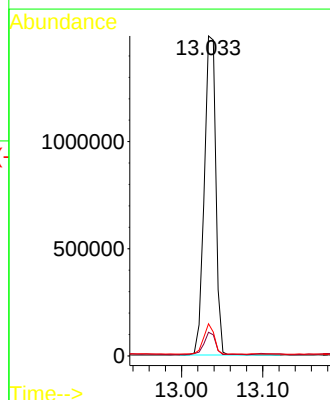
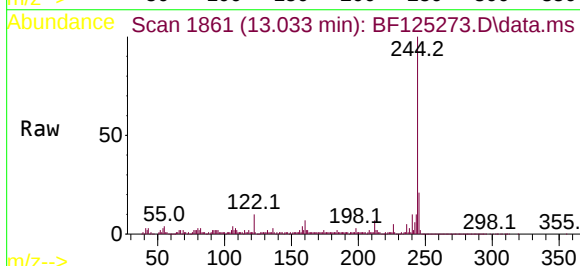
Instrument :  
BNA\_F  
ClientSampleId :  
FA4-9

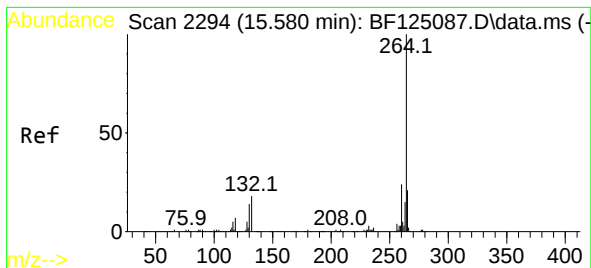
Tgt Ion:240 Resp: 424388  
Ion Ratio Lower Upper  
240 100  
120 9.3 10.8 16.2#  
236 26.1 21.6 32.4



#79  
Terphenyl-d14  
Concen: 54.984 ng  
RT: 13.033 min Scan# 1861  
Delta R.T. 0.012 min  
Lab File: BF125273.D  
Acq: 30 Aug 2021 20:59

Tgt Ion:244 Resp: 1464736  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.9 8.9  
122 10.1 9.0 13.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.592 min Scan# 2296  
 Delta R.T. 0.018 min  
 Lab File: BF125273.D  
 Acq: 30 Aug 2021 20:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FA4-9

Tgt Ion:264 Resp: 421366  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.6 29.4  
 265 21.1 17.2 25.8

