

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053122\  
 Data File : BF128599.D  
 Acq On : 31 May 2022 17:22  
 Operator : CG\JU  
 Sample : N2952-14  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P037-SS001-2430-01

Quant Time: Jun 01 00:57:54 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 27 01:51:59 2022  
 Response via : Initial Calibration

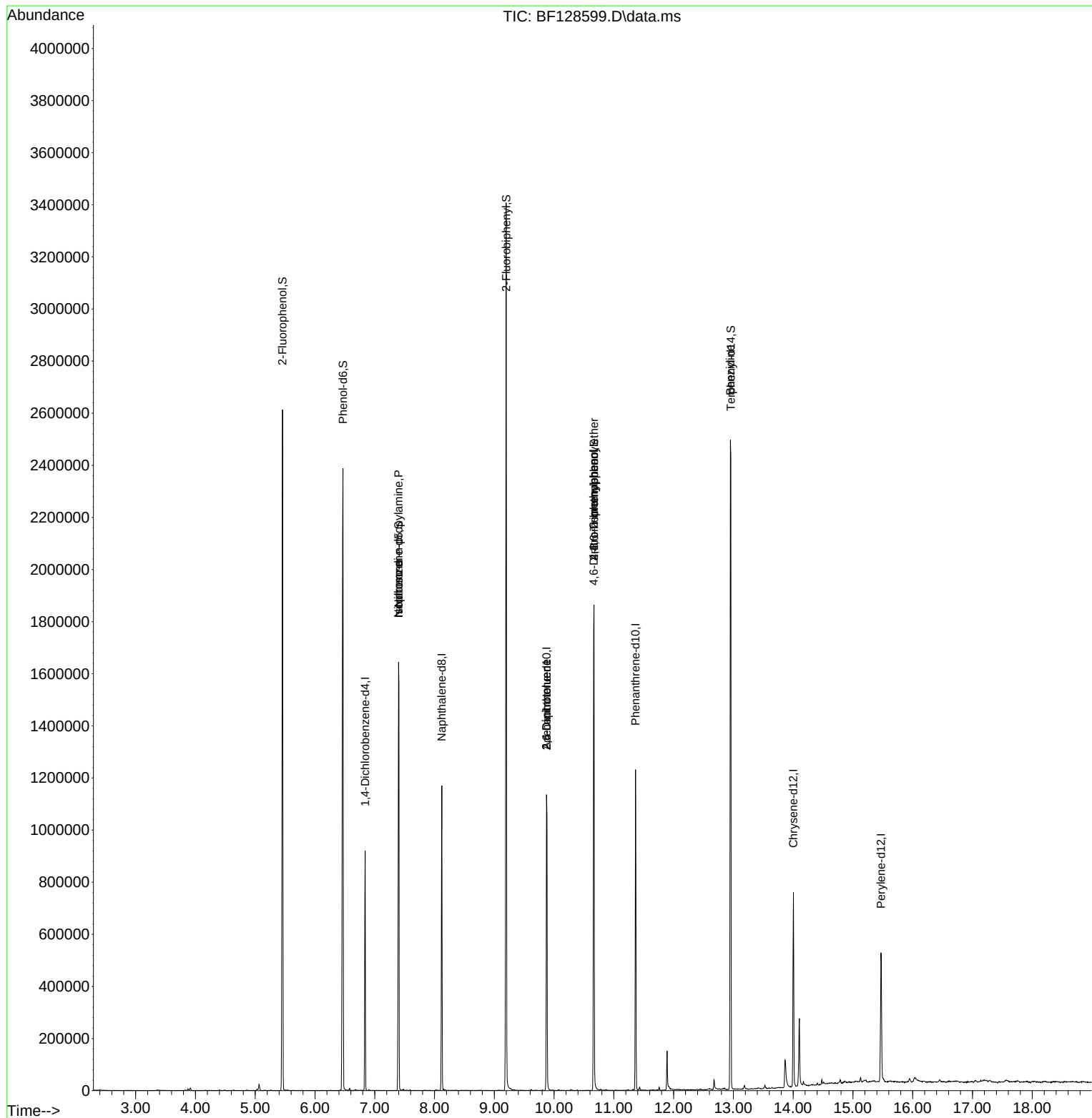
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 116792   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 450133   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.875  | 164  | 246621   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 429821   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 249870   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.468 | 264  | 234883   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 612593   | 86.881    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.469  | 99   | 779860   | 86.746    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 543754   | 69.686    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 230435   | 98.165    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1013200  | 66.746    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 914331   | 70.695    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.463  | 77   | 1734     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.398  | 70   | 78039    | 14.157    | ng    | # 77     |
| 25) Isophorone                | 7.398  | 82   | 541490   | 37.618    | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 31885    | 10.875    | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 31885    | 9.090     | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 10.663 | 198  | 581      | 5.761     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 14892    | 3.353     | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 14100    | 2.446     | ng    | # 94     |
| -----                         |        |      |          |           |       |          |

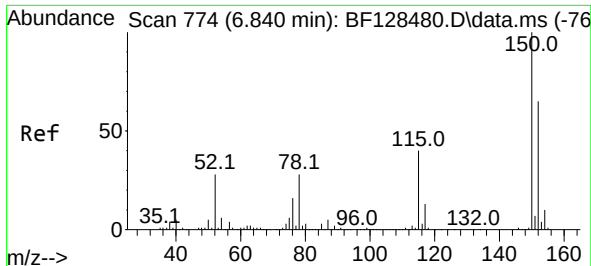
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053122\  
Data File : BF128599.D  
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Sample : N2952-14  
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Instrument :  
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P037-SS001-2430-01

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 27 01:51:59 2022  
Response via : Initial Calibration

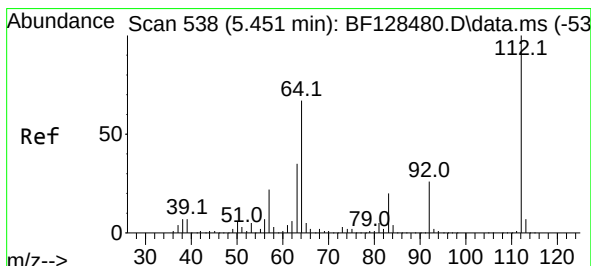
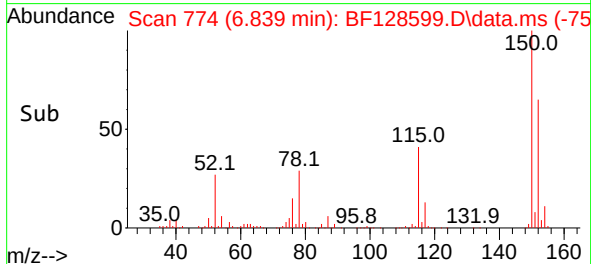
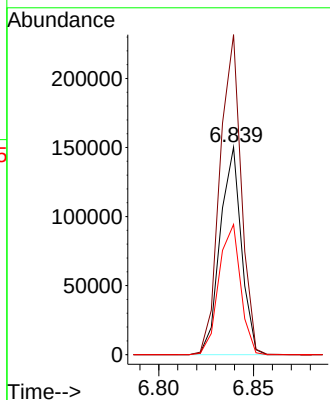
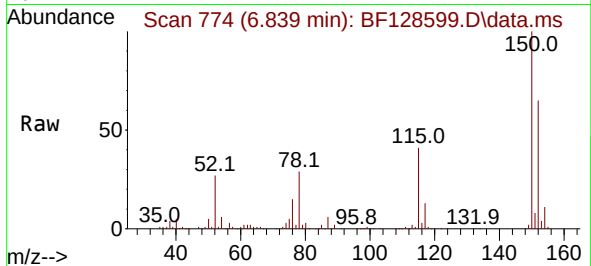




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

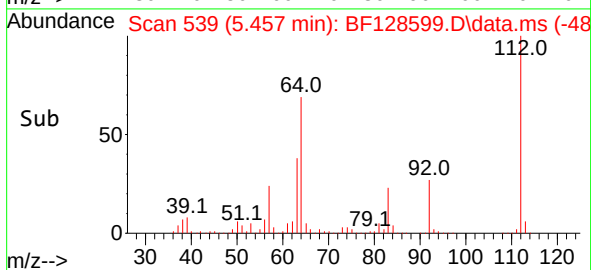
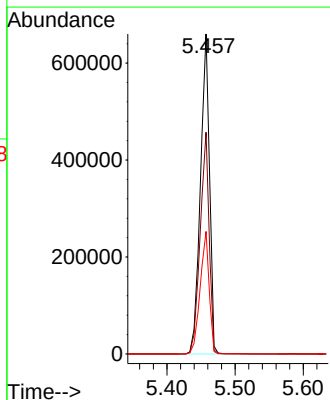
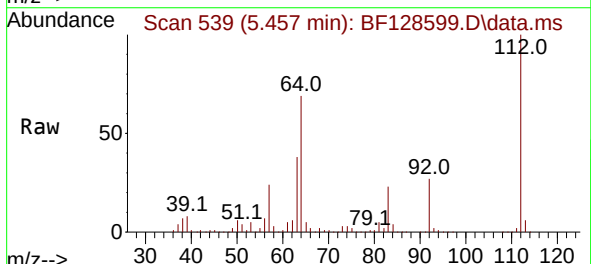
Instrument :  
BNA\_F  
ClientSampleId :  
P037-SS001-2430-01

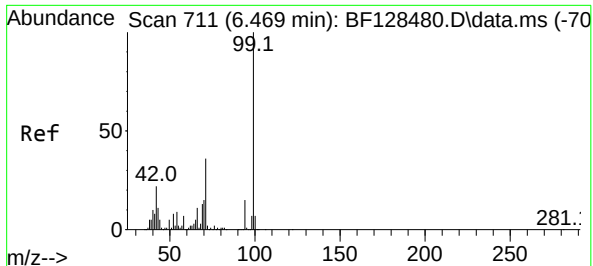
Tgt Ion:152 Resp: 116792  
Ion Ratio Lower Upper  
152 100  
150 154.2 123.7 185.5  
115 62.8 49.9 74.9



#5  
2-Fluorophenol  
Concen: 86.881 ng  
RT: 5.457 min Scan# 539  
Delta R.T. 0.006 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

Tgt Ion:112 Resp: 612593  
Ion Ratio Lower Upper  
112 100  
64 69.3 53.3 79.9  
63 38.3 28.0 42.0

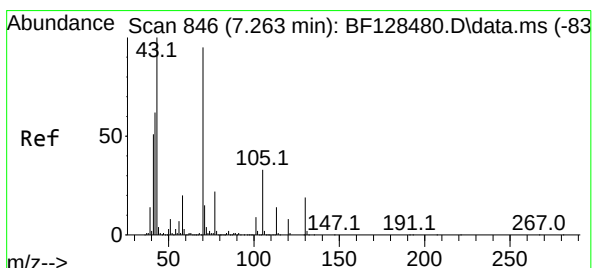
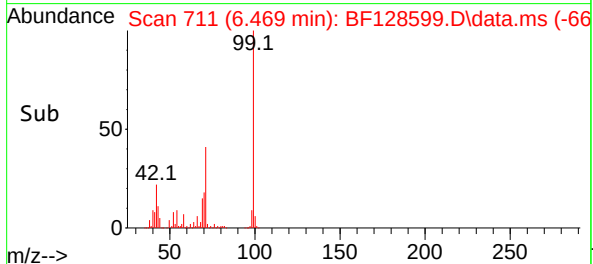
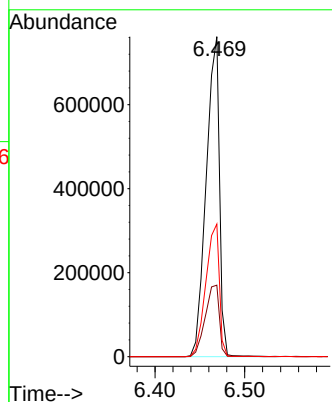
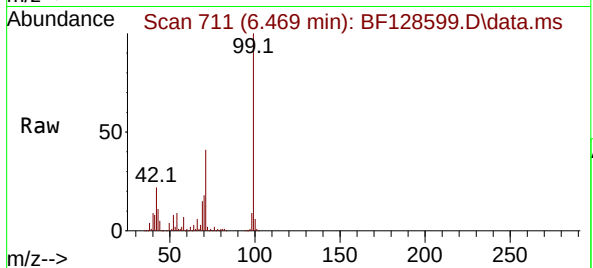




#7  
Phenol-d6  
Concen: 86.746 ng  
RT: 6.469 min Scan# 711  
Delta R.T. -0.000 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

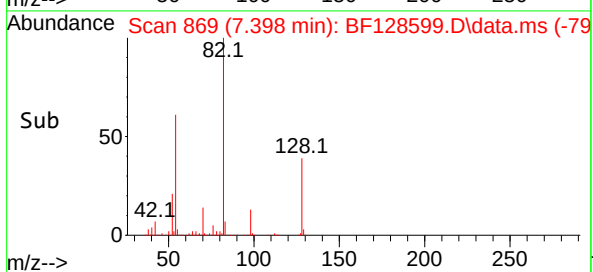
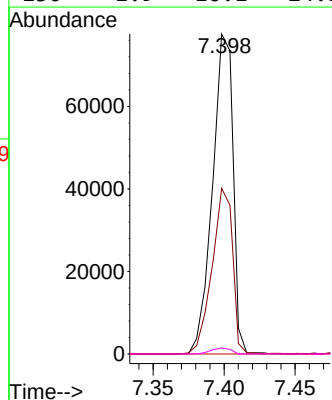
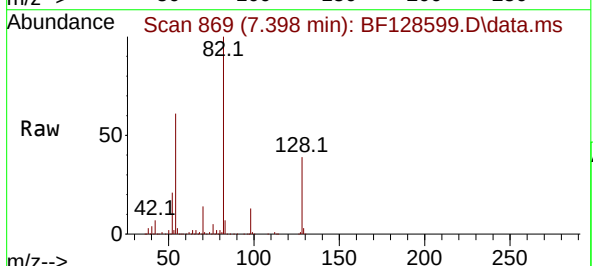
Instrument :  
BNA\_F  
ClientSampleId :  
P037-SS001-2430-01

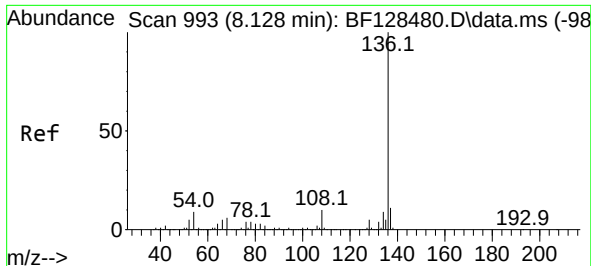
Tgt Ion: 99 Resp: 779860  
Ion Ratio Lower Upper  
99 100  
42 22.4 17.3 25.9  
71 41.5 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.157 ng  
RT: 7.398 min Scan# 869  
Delta R.T. 0.135 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

Tgt Ion: 70 Resp: 78039  
Ion Ratio Lower Upper  
70 100  
42 51.7 52.3 78.5#  
101 0.0 7.5 11.3#  
130 1.9 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF128599.D

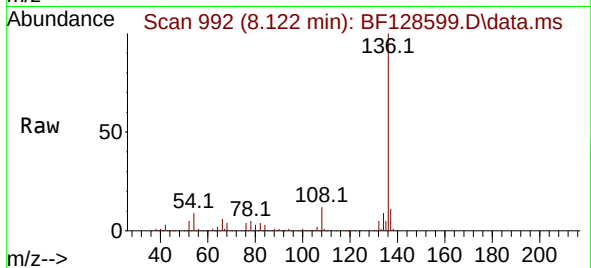
Acq: 31 May 2022 17:22

Instrument :

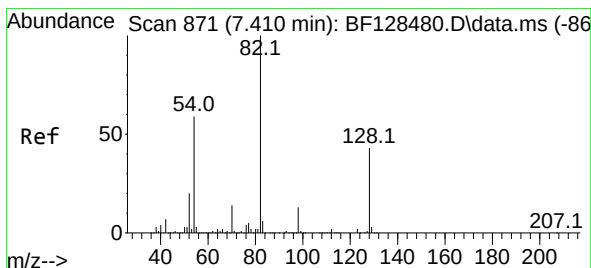
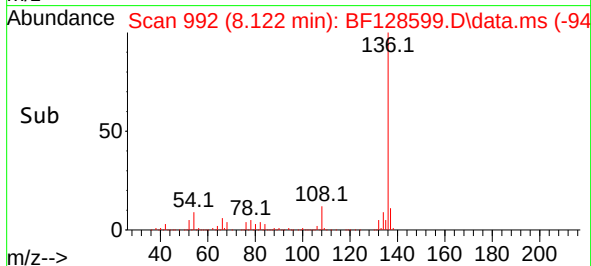
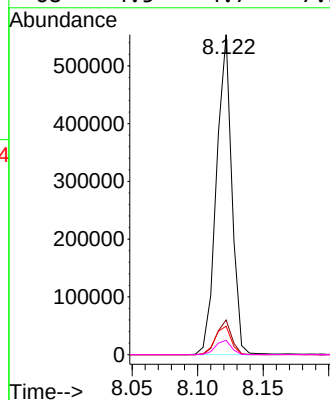
BNA\_F

ClientSampleId :

P037-SS001-2430-01



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 450133 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.8   | 13.2   |
| 54        | 8.9   | 7.5   | 11.3   |
| 68        | 4.5   | 4.7   | 7.1    |



#23

Nitrobenzene-d5

Concen: 69.686 ng

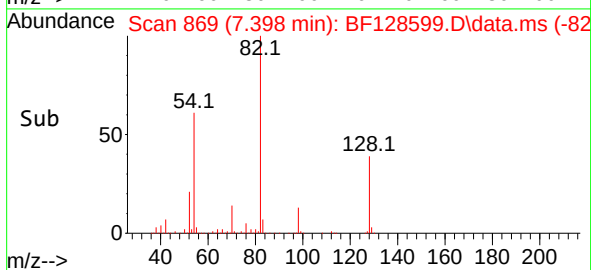
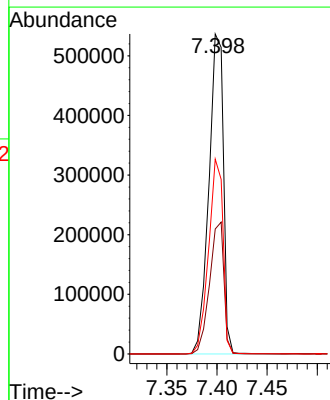
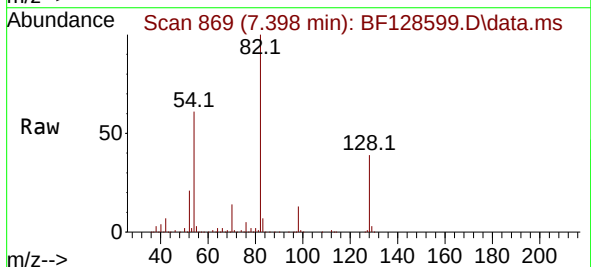
RT: 7.398 min Scan# 869

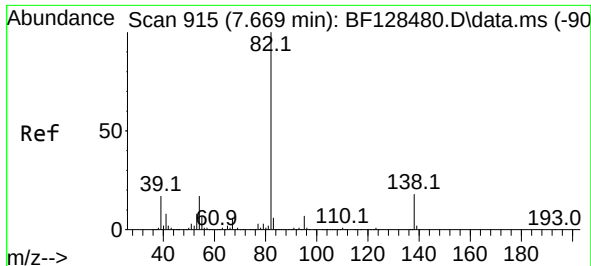
Delta R.T. -0.012 min

Lab File: BF128599.D

Acq: 31 May 2022 17:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 543754 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.1  | 34.0  | 51.0   |
| 54        | 60.9  | 46.9  | 70.3   |

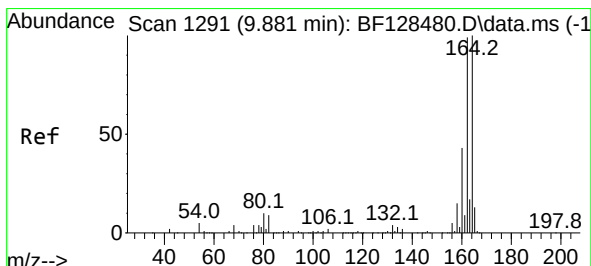
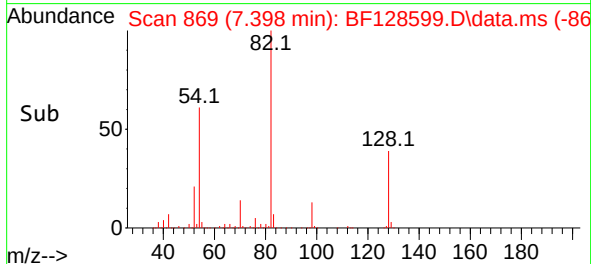
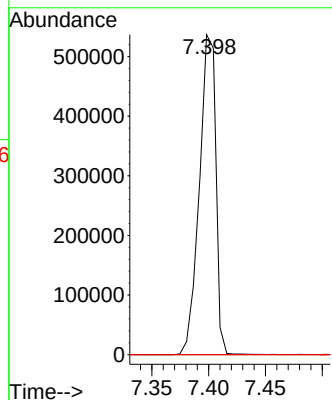
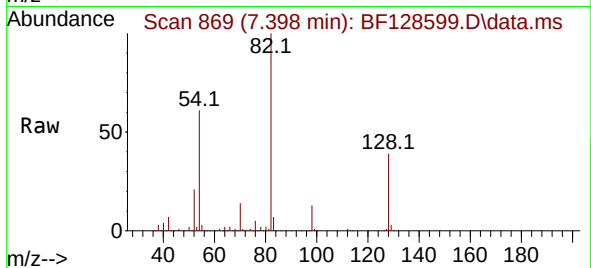




#25  
Isophorone  
Concen: 37.618 ng  
RT: 7.398 min Scan# 80  
Delta R.T. -0.271 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

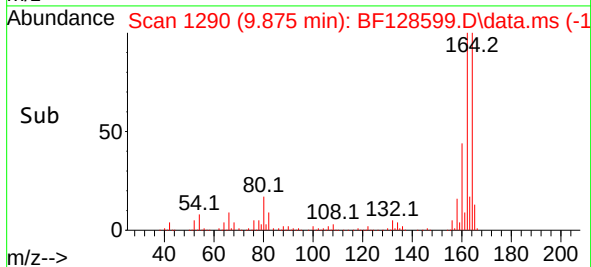
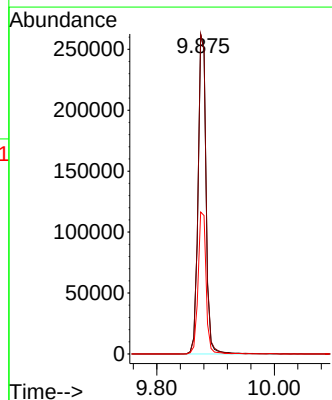
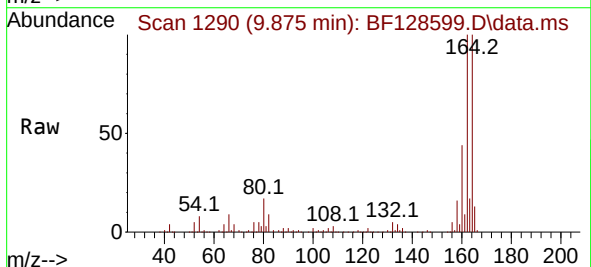
Instrument :  
BNA\_F  
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P037-SS001-2430-01

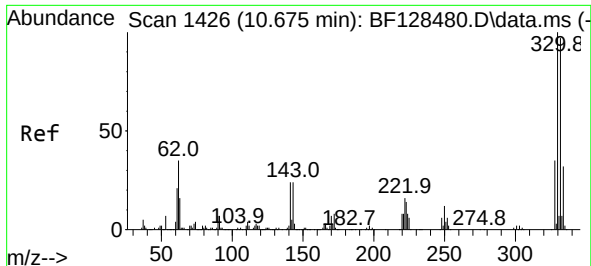
Tgt Ion: 82 Resp: 541490  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. -0.006 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

Tgt Ion:164 Resp: 246621  
Ion Ratio Lower Upper  
164 100  
162 100.3 79.5 119.3  
160 44.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 98.165 ng

RT: 10.669 min Scan# 1425

Delta R.T. -0.006 min

Lab File: BF128599.D

Acq: 31 May 2022 17:22

Instrument :

BNA\_F

ClientSampleId :

P037-SS001-2430-01

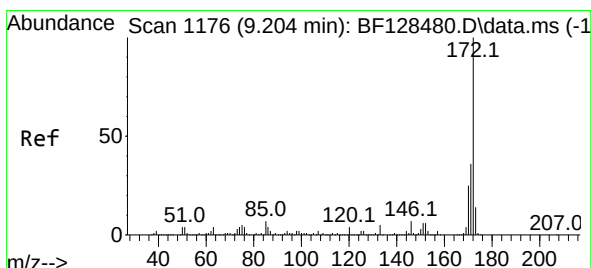
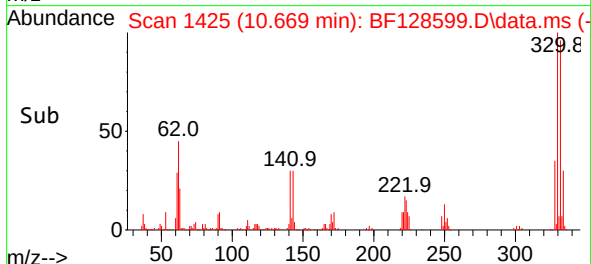
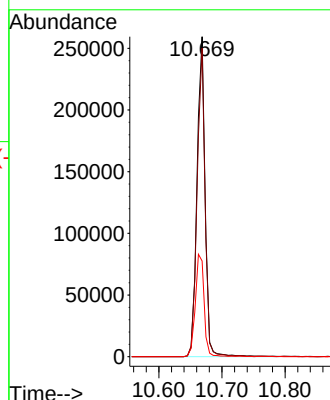
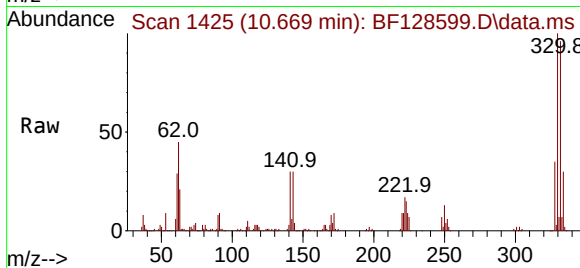
Tgt Ion:330 Resp: 230435

Ion Ratio Lower Upper

330 100

332 94.8 76.8 115.2

141 34.8 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 66.746 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF128599.D

Acq: 31 May 2022 17:22

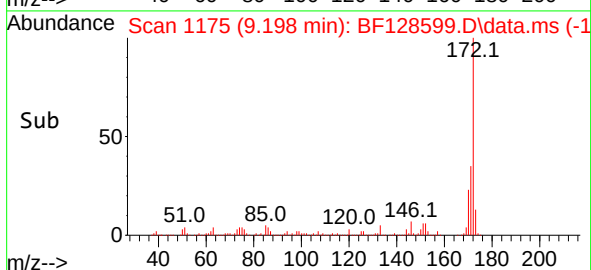
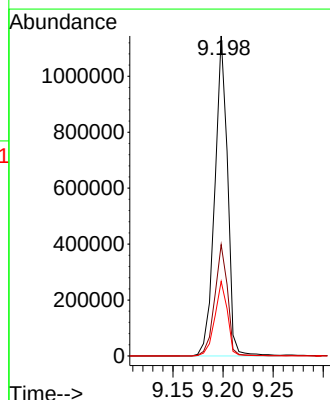
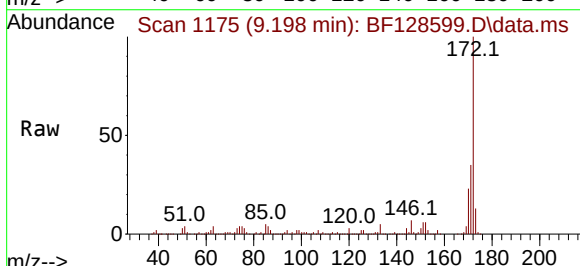
Tgt Ion:172 Resp: 1013200

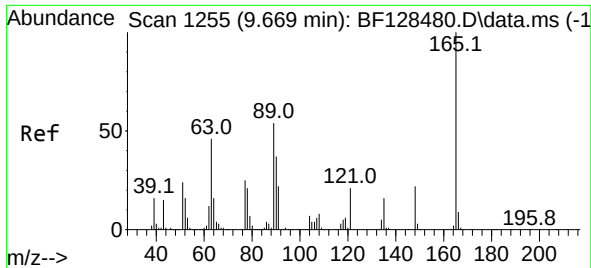
Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.3 19.8 29.8

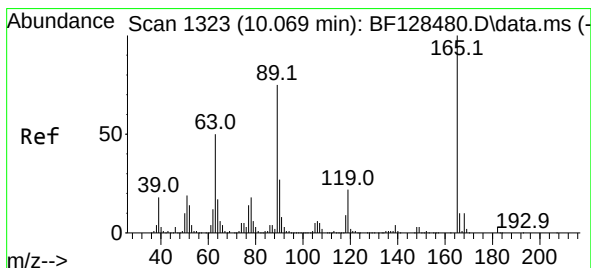
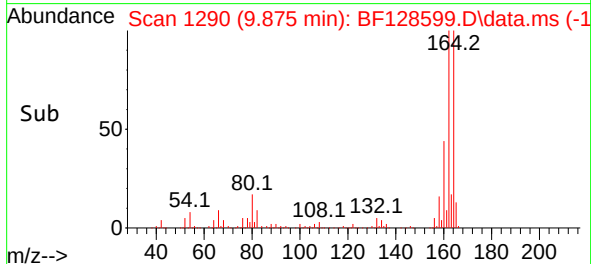
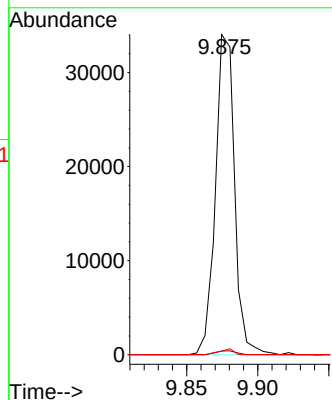
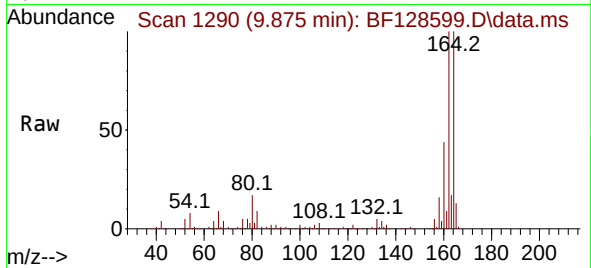




#51  
2,6-Dinitrotoluene  
Concen: 10.875 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. 0.206 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

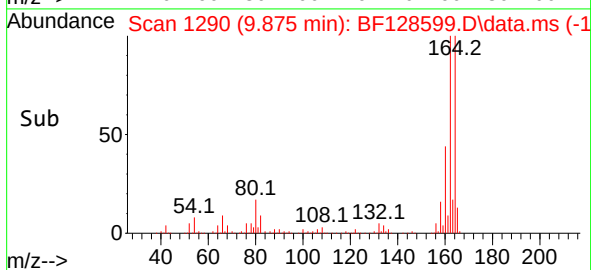
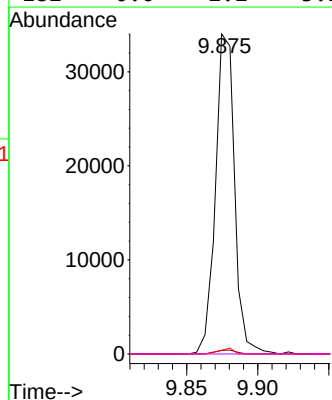
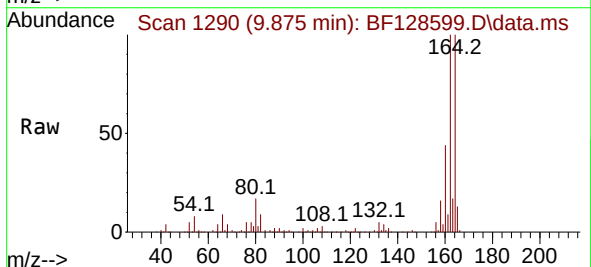
Instrument :  
BNA\_F  
ClientSampleId :  
P037-SS001-2430-01

Tgt Ion:165 Resp: 31885  
Ion Ratio Lower Upper  
165 100  
63 1.1 44.9 67.3#  
89 1.1 43.6 65.4#

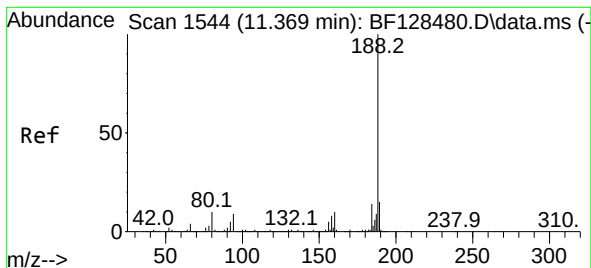


#57  
2,4-Dinitrotoluene  
Concen: 9.090 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. -0.194 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

Tgt Ion:165 Resp: 31885  
Ion Ratio Lower Upper  
165 100  
63 1.1 39.8 59.6#  
89 1.1 60.2 90.2#  
182 0.0 2.2 3.2#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128599.D

Acq: 31 May 2022 17:22

Instrument :

BNA\_F

ClientSampleId :

P037-SS001-2430-01

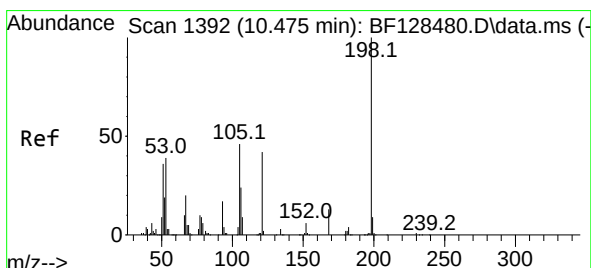
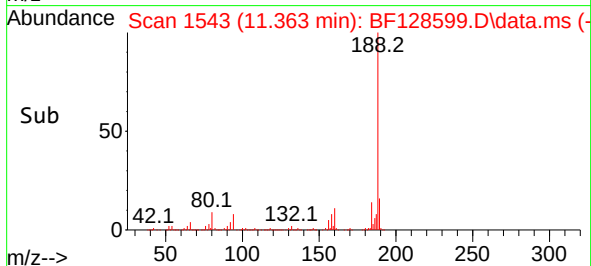
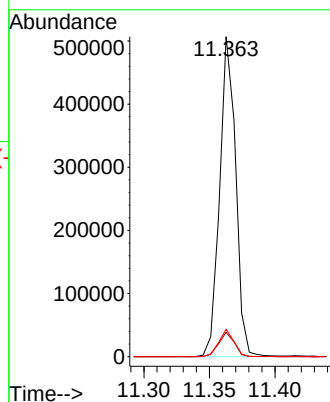
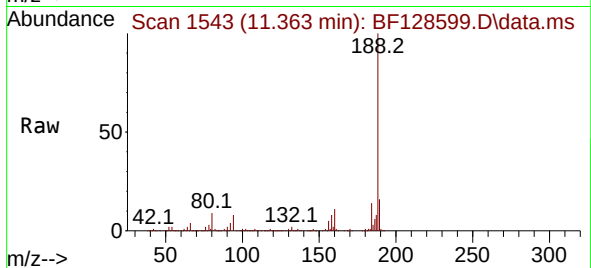
Tgt Ion:188 Resp: 429821

Ion Ratio Lower Upper

188 100

94 7.6 7.0 10.6

80 8.6 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.761 ng

RT: 10.663 min Scan# 1424

Delta R.T. 0.188 min

Lab File: BF128599.D

Acq: 31 May 2022 17:22

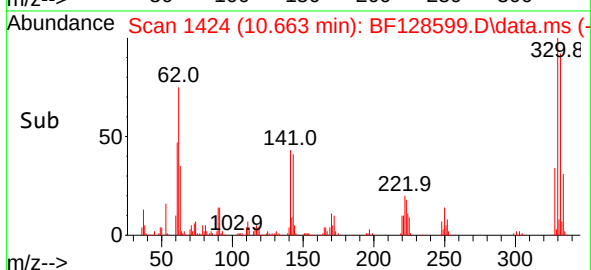
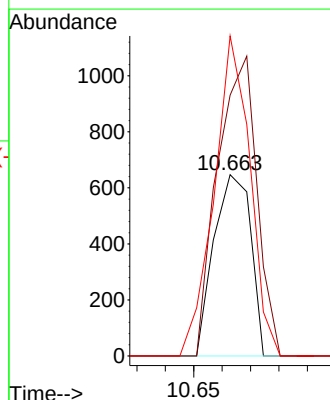
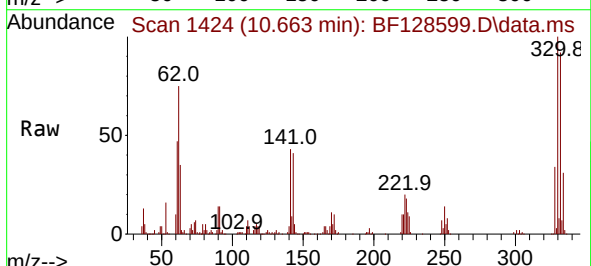
Tgt Ion:198 Resp: 581

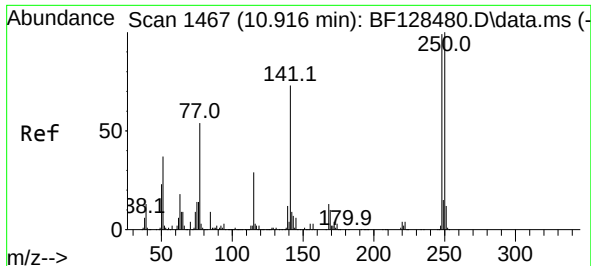
Ion Ratio Lower Upper

198 100

51 143.9 37.6 77.6#

105 176.5 27.0 67.0#

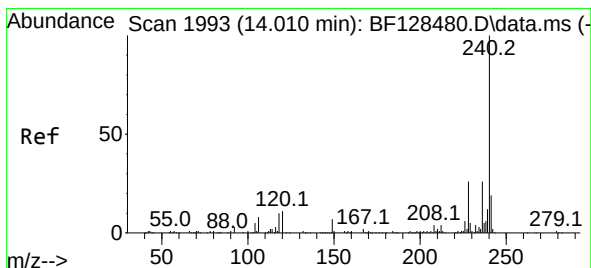
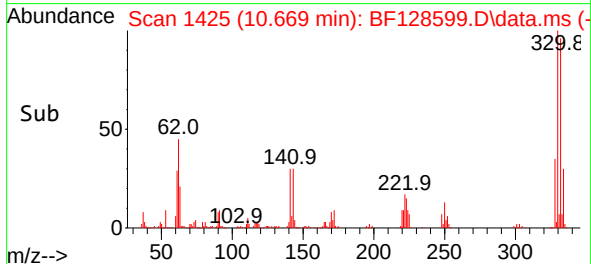
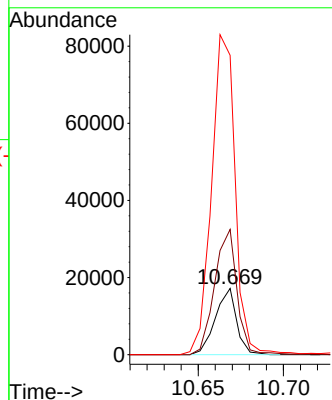
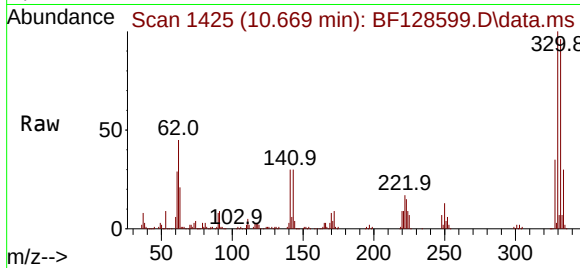




#67  
4-Bromophenyl-phenylether  
Concen: 3.353 ng  
RT: 10.669 min Scan# 1467  
Delta R.T. -0.247 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

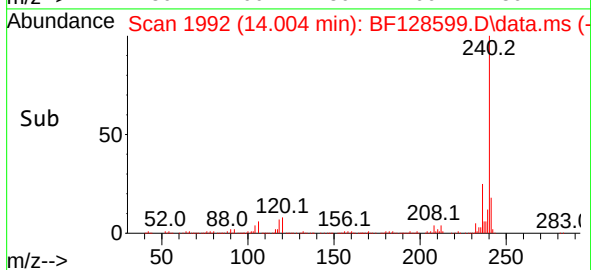
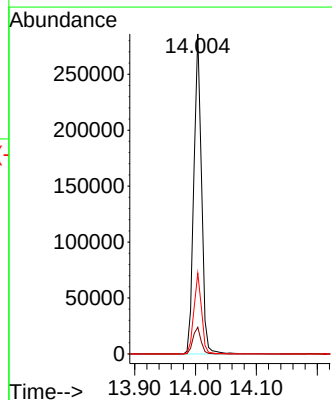
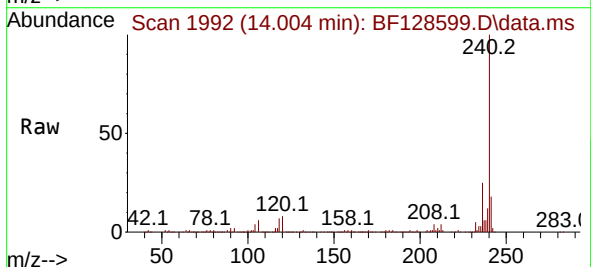
Instrument :  
BNA\_F  
ClientSampleId :  
P037-SS001-2430-01

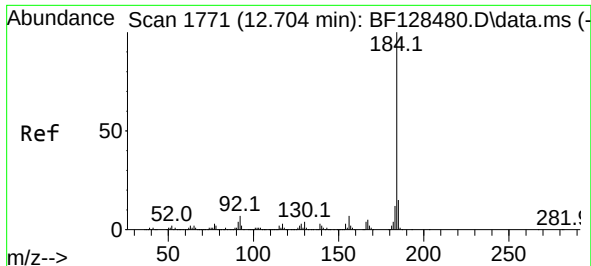
Tgt Ion:248 Resp: 14892  
Ion Ratio Lower Upper  
248 100  
250 189.1 80.6 120.8#  
141 451.9 58.9 88.3#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 1992  
Delta R.T. -0.006 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

Tgt Ion:240 Resp: 249870  
Ion Ratio Lower Upper  
240 100  
120 8.4 8.9 13.3#  
236 25.2 20.8 31.2

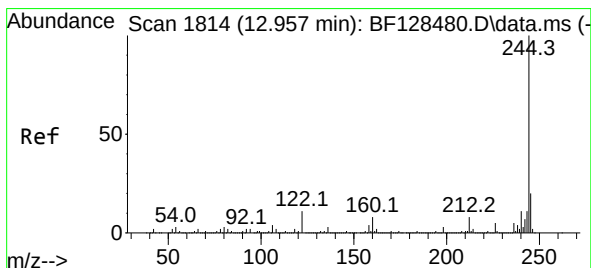
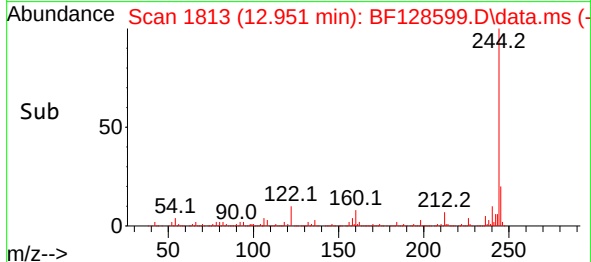
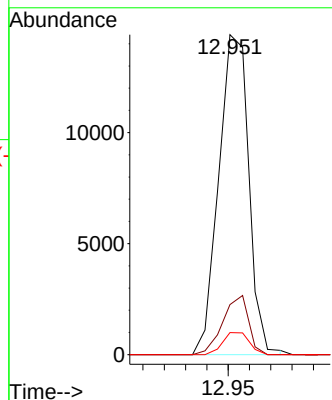
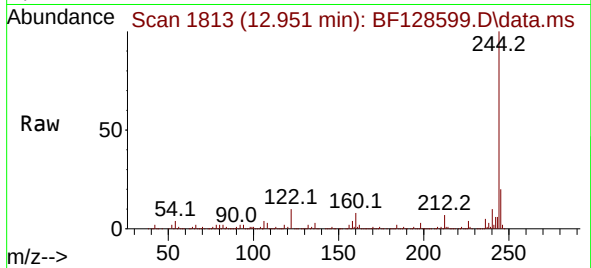




#77  
Benzidine  
Concen: 2.446 ng  
RT: 12.951 min Scan# 1813  
Delta R.T. 0.247 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

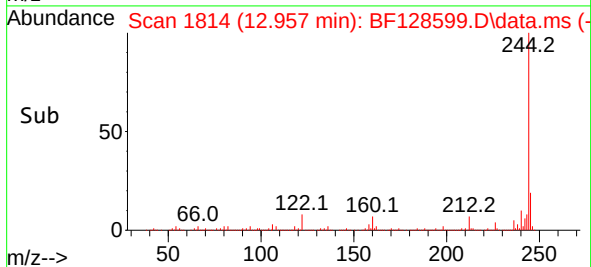
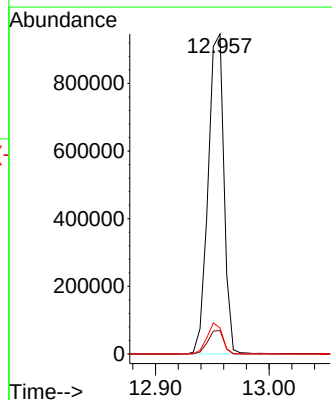
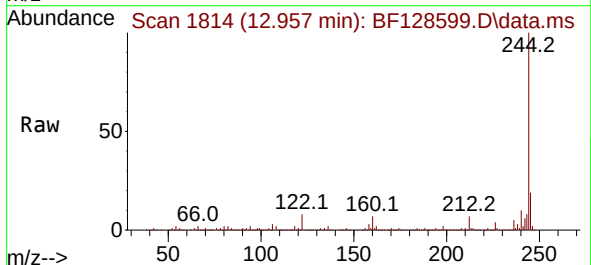
Instrument :  
BNA\_F  
ClientSampleId :  
P037-SS001-2430-01

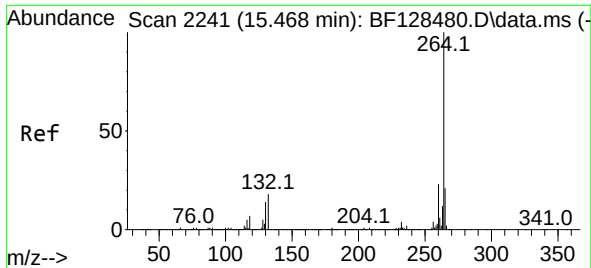
Tgt Ion:184 Resp: 14100  
Ion Ratio Lower Upper  
184 100  
185 15.6 11.9 17.9  
183 6.9 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 70.695 ng  
RT: 12.957 min Scan# 1814  
Delta R.T. -0.000 min  
Lab File: BF128599.D  
Acq: 31 May 2022 17:22

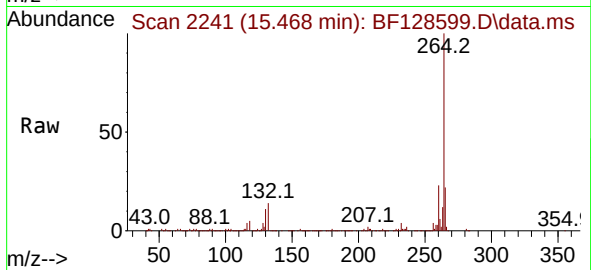
Tgt Ion:244 Resp: 914331  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.1 9.1  
122 8.1 8.8 13.2#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BF128599.D  
 Acq: 31 May 2022 17:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P037-SS001-2430-01



Tgt Ion:264 Resp: 234883  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.4 27.6  
 265 21.6 17.2 25.8

