

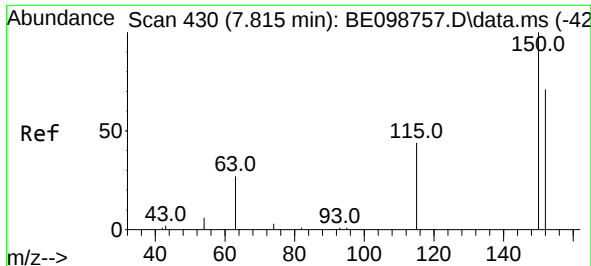
Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE022719\  
 Data File : BE098776.D  
 Acq On : 27 Feb 2019 14:41  
 Operator : JU/SJ  
 Sample : K1603-17  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 M2-T3-UV(POST)

Quant Time: Feb 28 02:42:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE022619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 26 15:44:42 2019  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.804  | 152  | 1336     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.614 | 136  | 5404     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10          | 14.472 | 164  | 3852     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.228 | 188  | 9564     | 0.40 | ng    | # 0.00   |
| 27) Chrysene-d12              | 21.415 | 240  | 10486    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12              | 23.926 | 264  | 8904     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.409  | 112  | 371      | 0.11 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.032  | 99   | 303      | 0.06 | ng    | 0.03     |
| 8) Nitrobenzene-d5            | 9.016  | 82   | 1035     | 0.23 | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10   | 12.224 | 152  | 2324     | 0.23 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol      | 15.983 | 330  | 346      | 0.26 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.103 | 172  | 3906     | 0.24 | ng    | 0.01     |
| 25) Fluoranthene-d10          | 19.259 | 212  | 27782    | 0.20 | ng    | 0.00     |
| 29) Terphenyl-d14             | 19.857 | 244  | 5794     | 0.22 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
|                               |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.335  | 88   | 47       | 0.02 | ng    | # 11     |
| 3) n-Nitrosodimethylamine     | 3.681  | 42   | 37       | 0.10 | ng    | # 13     |
| 6) bis(2-Chloroethyl)ether    | 7.240  | 93   | 15       | 0.07 | ng    | # 1      |
| 22) Pentachlorophenol         | 16.893 | 266  | 20       | 0.22 | ng    | # 78     |
| 24) Anthracene                | 17.362 | 178  | 12       | 0.08 | ng    | # 61     |
| 32) Bis(2-ethylhexyl)phtha... | 21.306 | 149  | 2215     | 0.03 | ng    | # 97     |
| 33) Indeno(1,2,3-cd)pyrene    | 26.552 | 276  | 3        | 0.09 | ng    | # 1      |
| 38) Dibenzo(a,h)anthracene    | 26.584 | 278  | 5        | 0.14 | ng    | # 1      |
| -----                         |        |      |          |      |       |          |

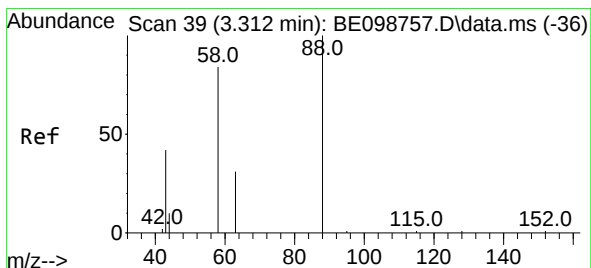
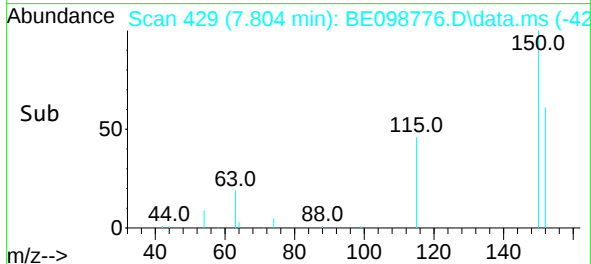
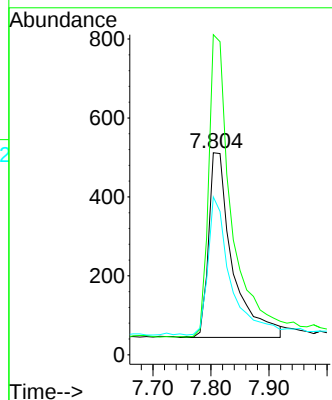
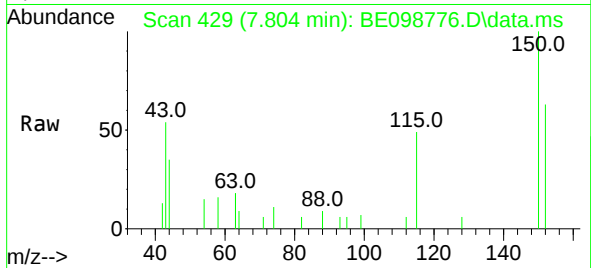
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.804 min Scan# 429  
 Delta R.T. -0.011 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

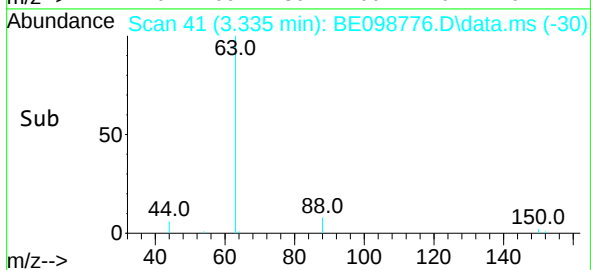
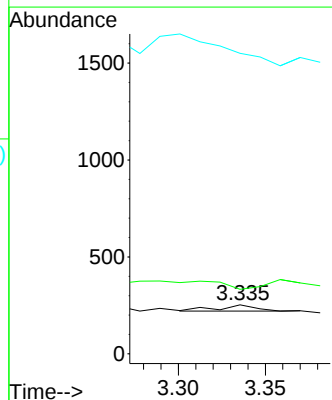
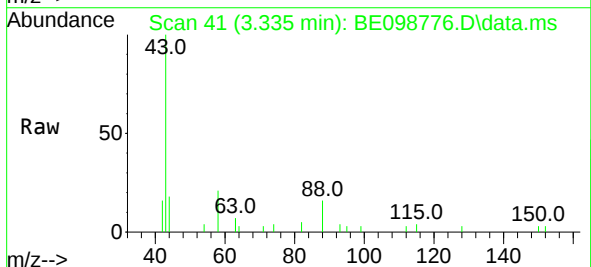
Instrument :  
 BNA\_E  
 ClientSampleId :  
 M2-T3-UV(POST)

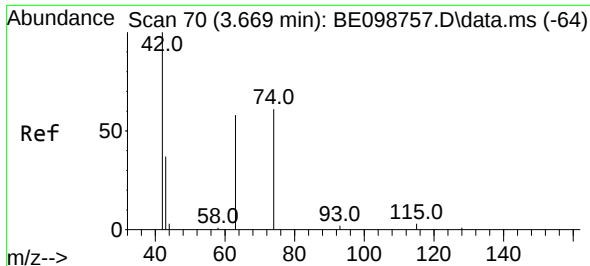
Tgt Ion: 152 Resp: 1336  
 Ion Ratio Lower Upper  
 152 100  
 150 158.4 121.4 182.2  
 115 78.1 59.1 88.7



#2  
 1,4-Dioxane  
 Concen: 0.02 ng  
 RT: 3.335 min Scan# 41  
 Delta R.T. 0.023 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

Tgt Ion: 88 Resp: 47  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 73.9 110.9#  
 43 0.0 43.7 65.5#

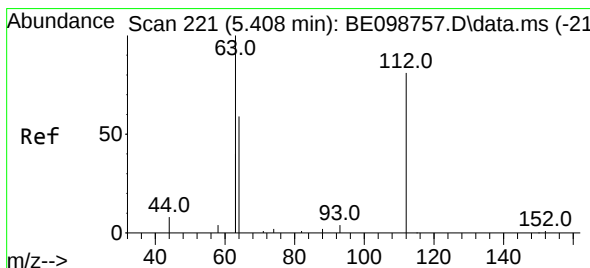
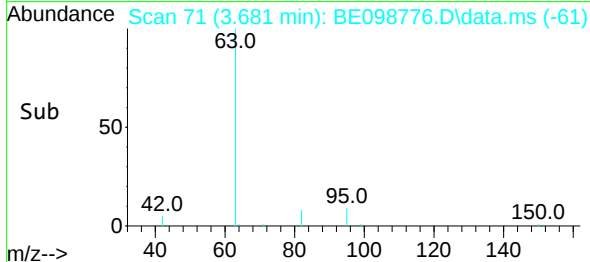
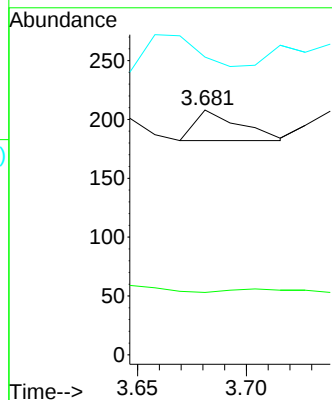
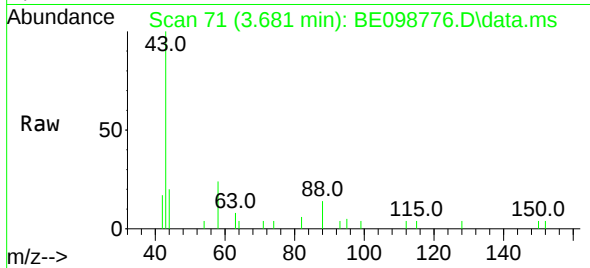




#3  
n-Nitrosodimethylamine  
Concen: 0.10 ng  
RT: 3.681 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

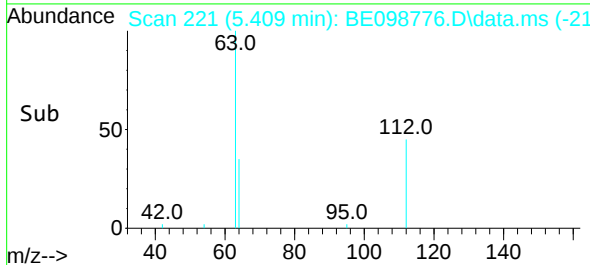
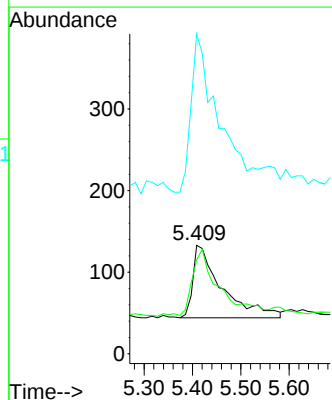
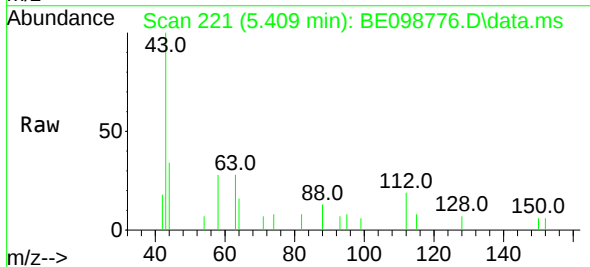
Instrument :  
BNA\_E  
ClientSampleId :  
M2-T3-UV(POST)

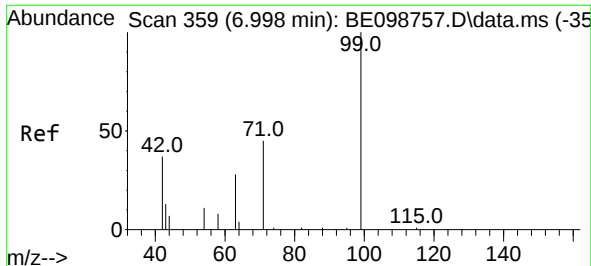
Tgt Ion: 42 Resp: 37  
Ion Ratio Lower Upper  
42 100  
74 0.0 58.9 88.3#  
44 0.0 0.0 0.0



#4  
2-Fluorophenol  
Concen: 0.11 ng  
RT: 5.409 min Scan# 221  
Delta R.T. 0.000 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

Tgt Ion: 112 Resp: 371  
Ion Ratio Lower Upper  
112 100  
64 88.7 62.9 94.3  
63 210.5 152.2 228.4

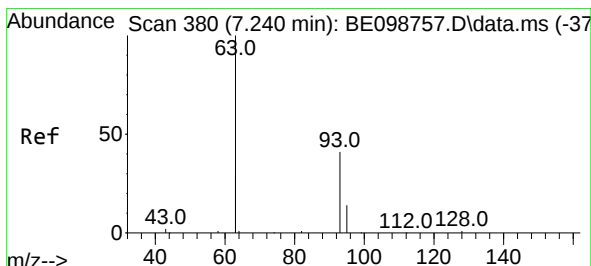
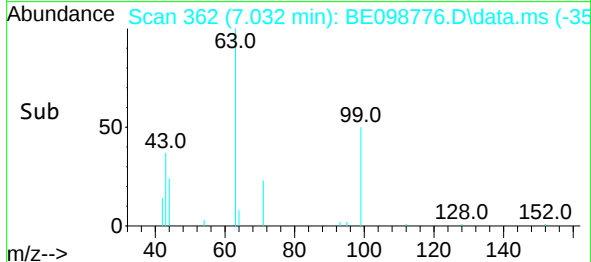
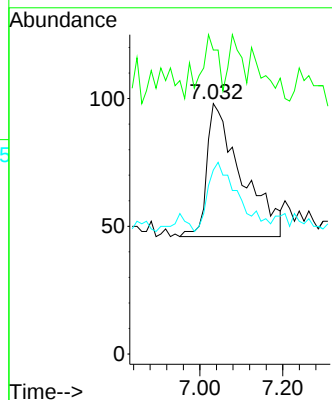
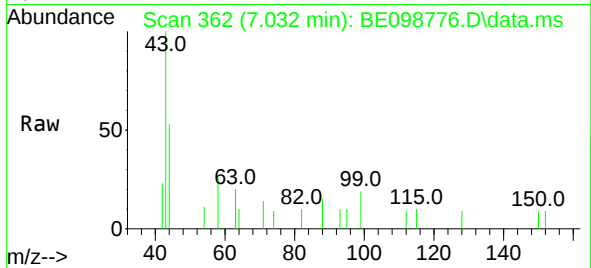




#5  
Phenol-d6  
Concen: 0.06 ng  
RT: 7.032 min Scan# 362  
Delta R.T. 0.035 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

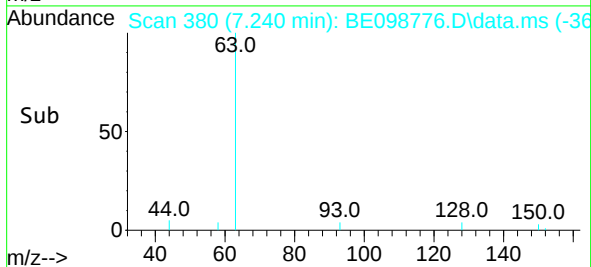
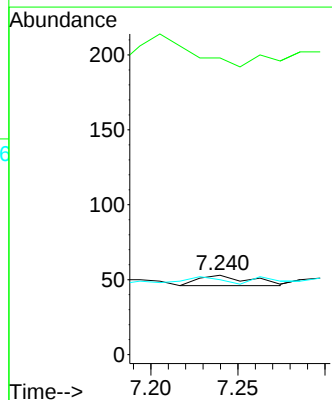
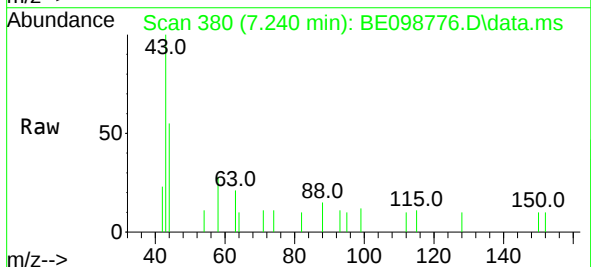
Instrument :  
BNA\_E  
ClientSampleId :  
M2-T3-UV(POST)

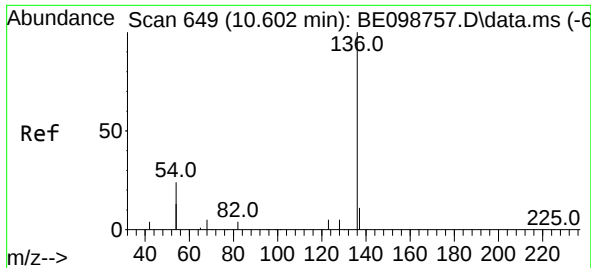
Tgt Ion: 99 Resp: 303  
Ion Ratio Lower Upper  
99 100  
42 0.0 24.6 37.0#  
71 45.5 35.1 52.7



#6  
bis(2-Chloroethyl)ether  
Concen: 0.07 ng  
RT: 7.240 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

Tgt Ion: 93 Resp: 15  
Ion Ratio Lower Upper  
93 100  
63 0.0 267.3 400.9#  
95 46.7 26.2 39.4#

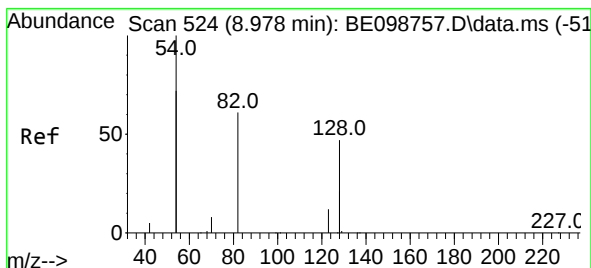
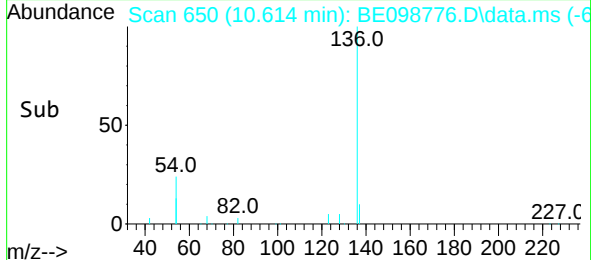
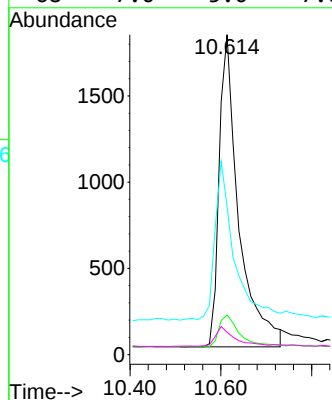
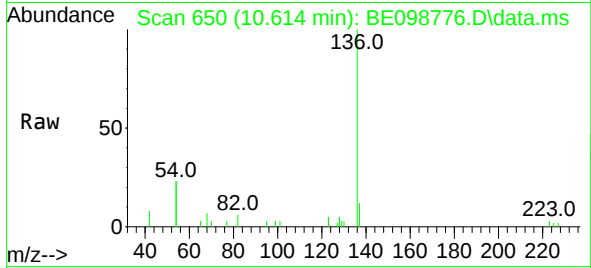




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.614 min Scan# 650  
Delta R.T. 0.012 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

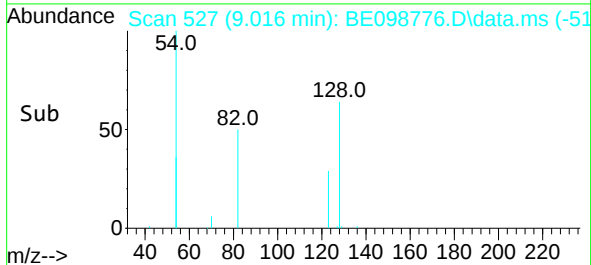
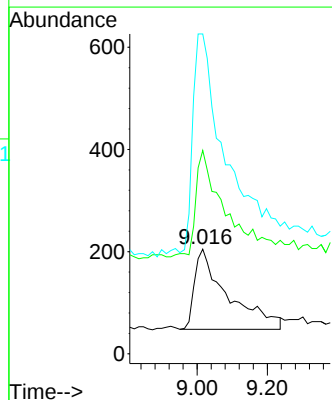
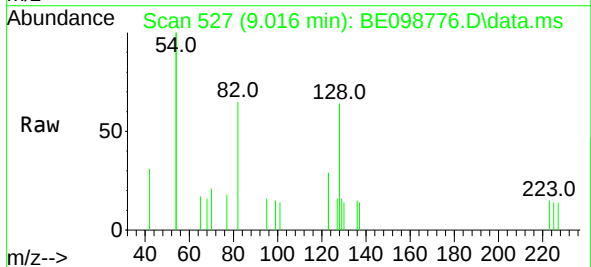
Instrument :  
BNA\_E  
ClientSampleId :  
M2-T3-UV(POST)

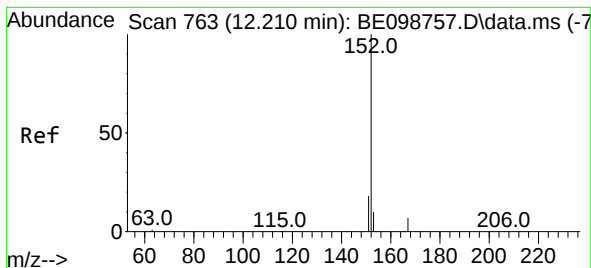
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 5404 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 12.4  | 9.7   | 14.5 |
| 54        | 46.4  | 35.5  | 53.3 |
| 68        | 7.0   | 5.0   | 7.6  |



#8  
Nitrobenzene-d5  
Concen: 0.23 ng  
RT: 9.016 min Scan# 527  
Delta R.T. 0.038 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 1035   |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 194.1 | 96.5  | 144.7# |
| 54        | 305.4 | 224.7 | 337.1  |

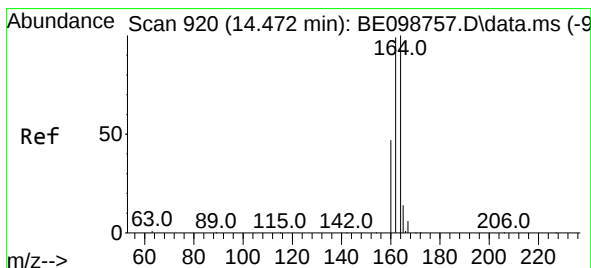
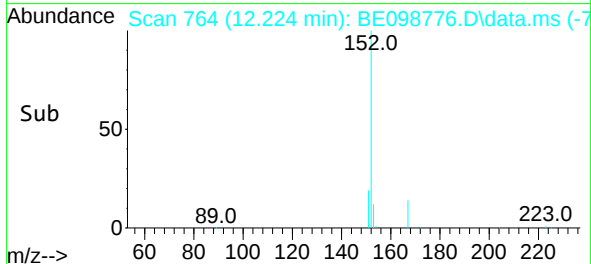
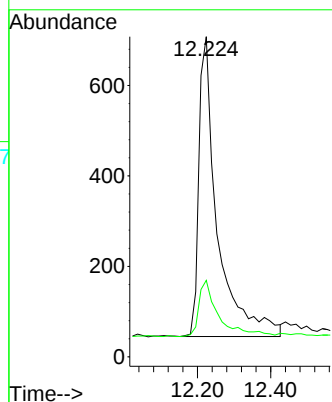
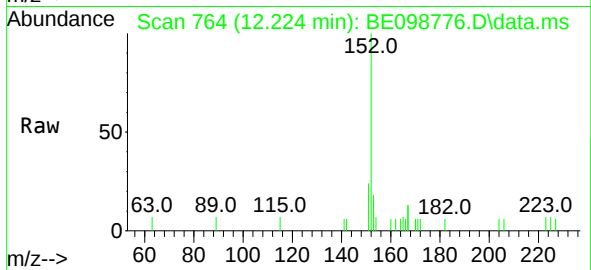




#11  
2-Methylnaphthalene-d10  
Concen: 0.23 ng  
RT: 12.224 min Scan# 764  
Delta R.T. 0.014 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

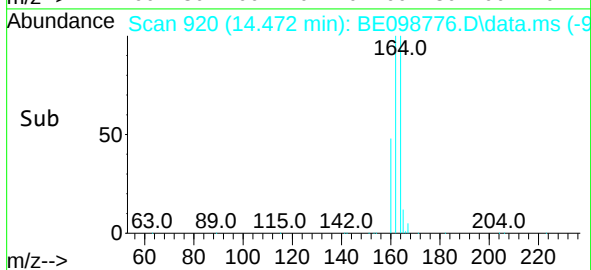
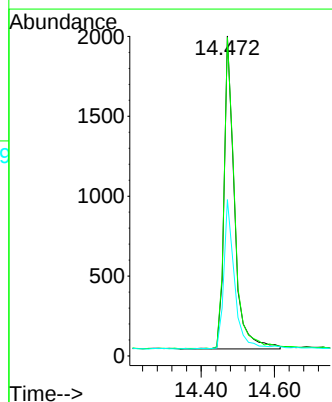
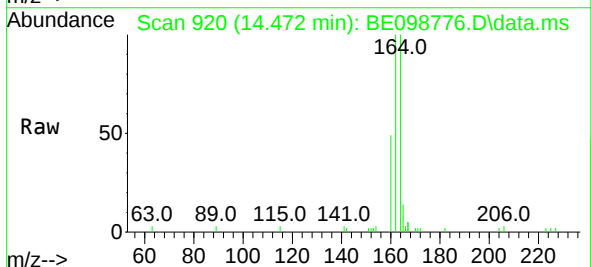
Instrument :  
BNA\_E  
ClientSampleId :  
M2-T3-UV(POST)

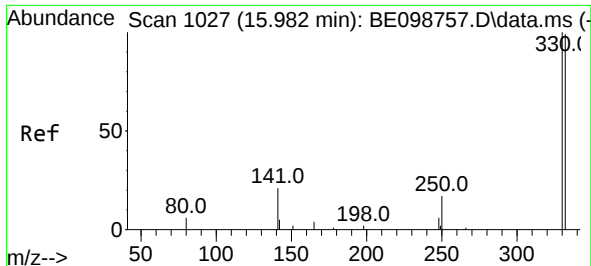
Tgt Ion:152 Resp: 2324  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.4



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.472 min Scan# 920  
Delta R.T. -0.000 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

Tgt Ion:164 Resp: 3852  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.5 120.7  
160 48.9 40.1 60.1

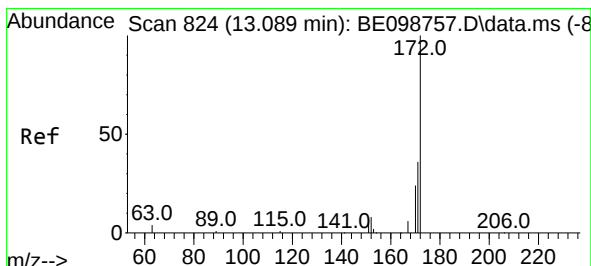
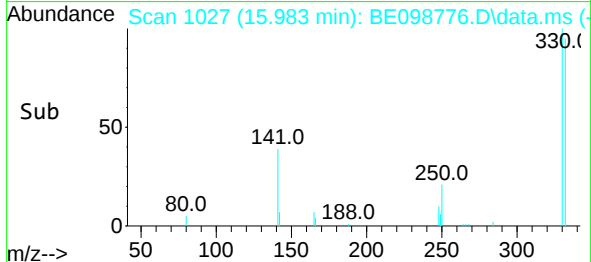
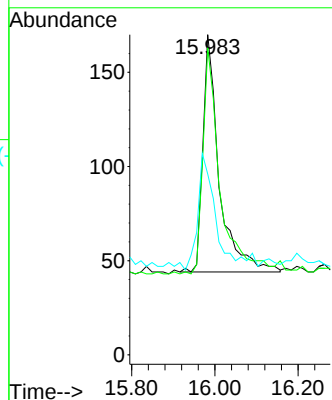
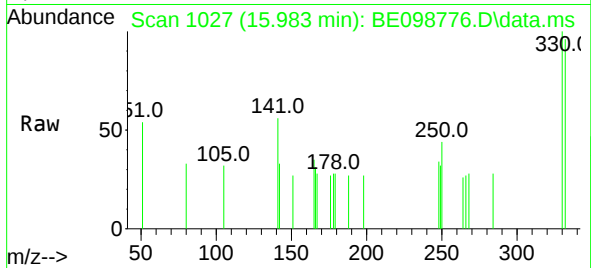




#14  
2,4,6-Tribromophenol  
Concen: 0.26 ng  
RT: 15.983 min Scan# 1027  
Delta R.T. 0.001 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

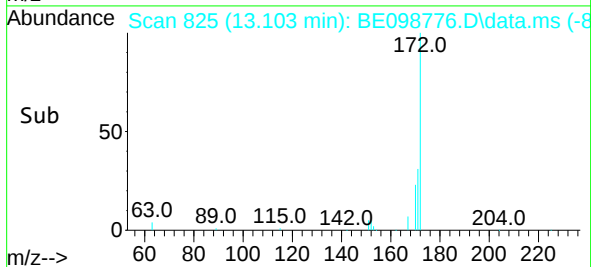
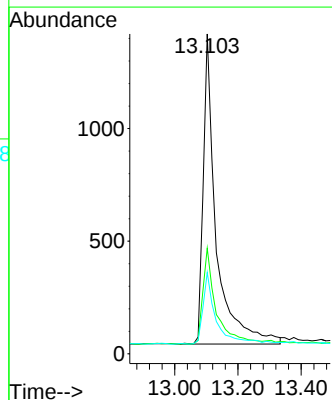
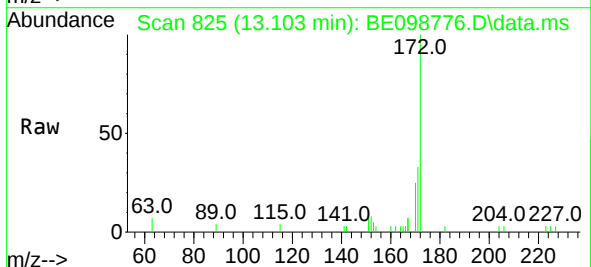
Instrument :  
BNA\_E  
ClientSampleId :  
M2-T3-UV(POST)

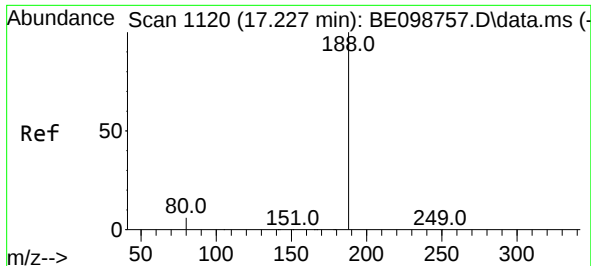
Tgt Ion: 330 Resp: 346  
Ion Ratio Lower Upper  
330 100  
332 103.2 73.3 109.9  
141 50.3 33.1 49.7#



#15  
2-Fluorobiphenyl  
Concen: 0.24 ng  
RT: 13.103 min Scan# 825  
Delta R.T. 0.014 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

Tgt Ion: 172 Resp: 3906  
Ion Ratio Lower Upper  
172 100  
171 33.0 29.0 43.4  
170 25.4 20.8 31.2

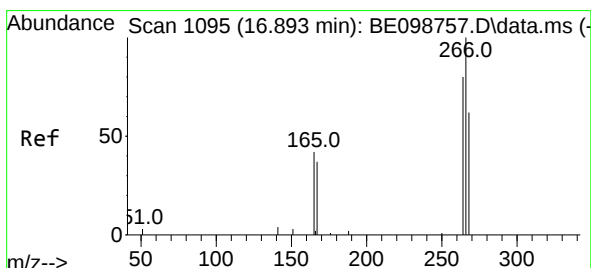
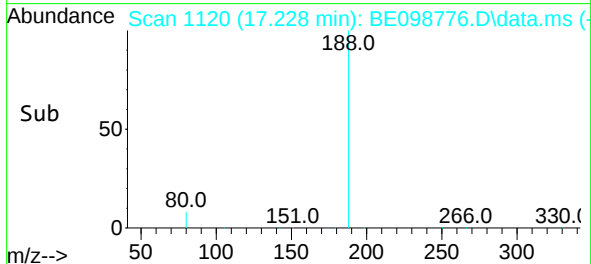
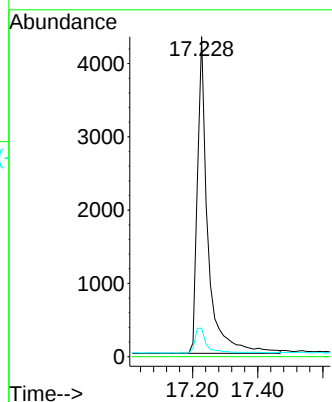
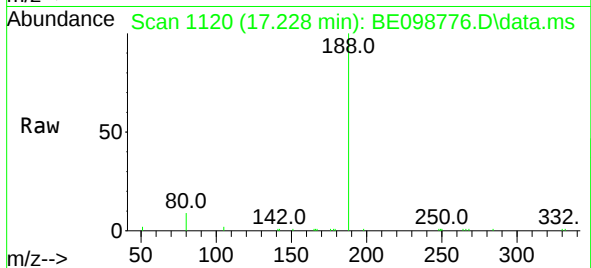




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.228 min Scan# 1120  
Delta R.T. 0.001 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

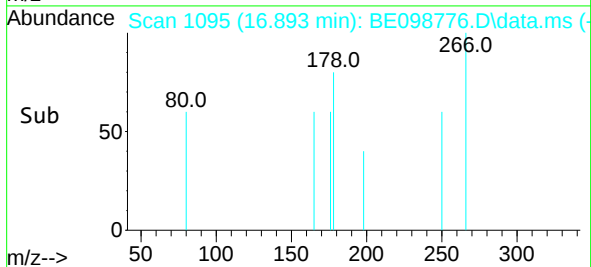
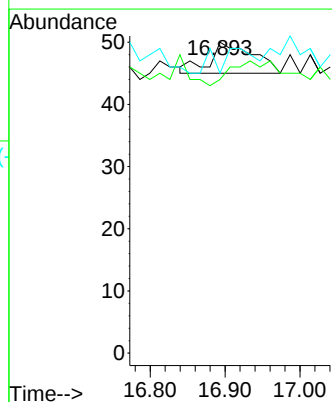
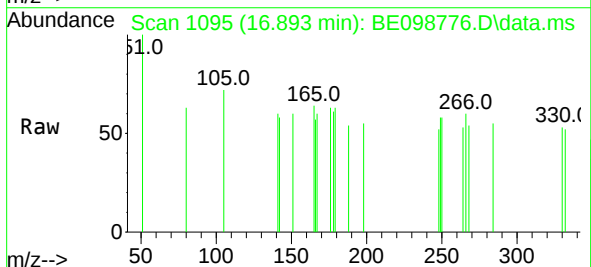
Instrument :  
BNA\_E  
ClientSampleId :  
M2-T3-UV(POST)

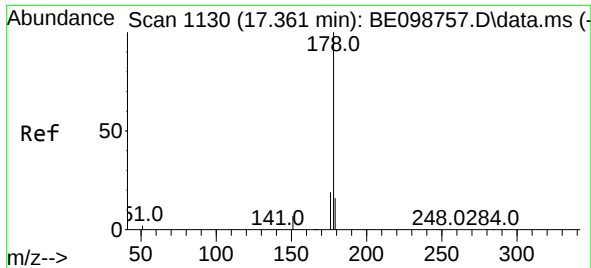
Tgt Ion:188 Resp: 9564  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.9 4.7 7.1#



#22  
Pentachlorophenol  
Concen: 0.22 ng  
RT: 16.893 min Scan# 1095  
Delta R.T. 0.000 min  
Lab File: BE098776.D  
Acq: 27 Feb 2019 14:41

Tgt Ion:266 Resp: 20  
Ion Ratio Lower Upper  
266 100  
264 88.0 53.7 80.5#  
268 90.0 59.8 89.8#

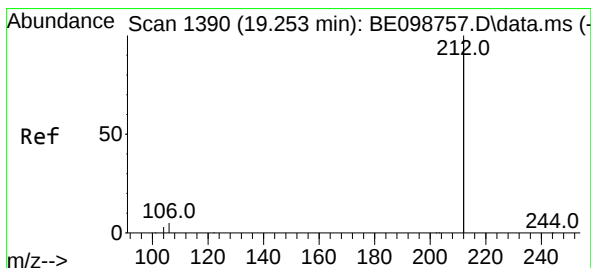
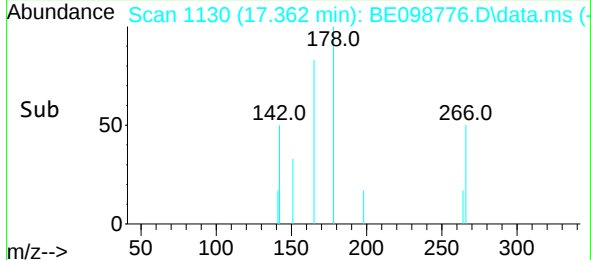
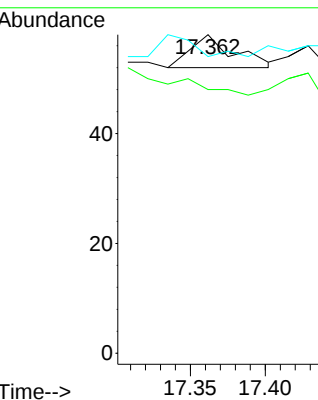
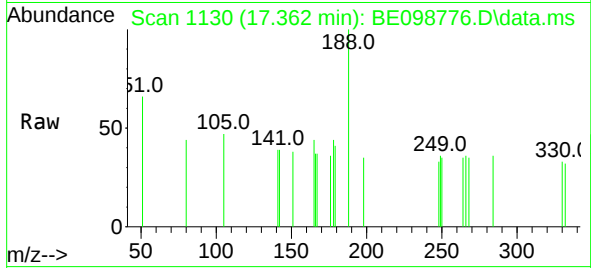




#24  
 Anthracene  
 Concen: 0.08 ng  
 RT: 17.362 min Scan# 1130  
 Delta R.T. 0.001 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

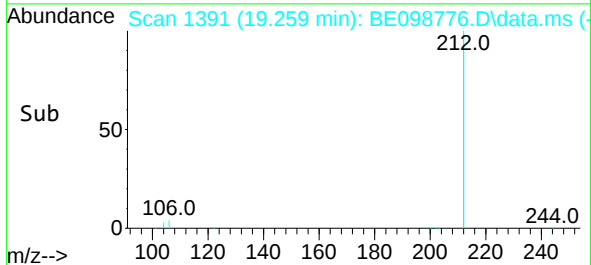
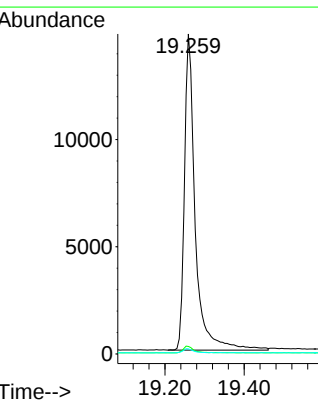
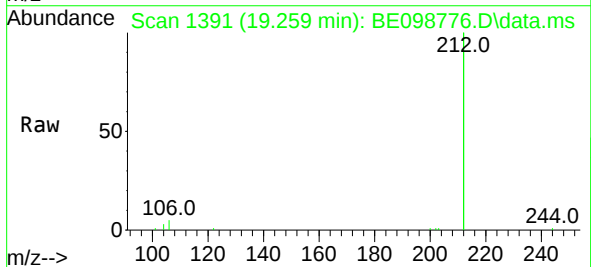
Instrument :  
 BNA\_E  
 ClientSampleId :  
 M2-T3-UV(POST)

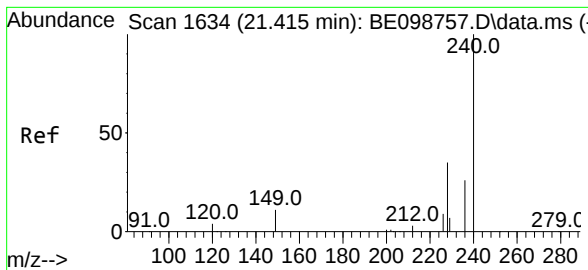
Tgt Ion:178 Resp: 12  
 Ion Ratio Lower Upper  
 178 100  
 176 0.0 14.9 22.3#  
 179 0.0 11.8 17.8#



#25  
 Fluoranthene-d10  
 Concen: 0.20 ng  
 RT: 19.259 min Scan# 1391  
 Delta R.T. 0.006 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

Tgt Ion:212 Resp: 27782  
 Ion Ratio Lower Upper  
 212 100  
 106 2.1 1.7 2.5  
 104 1.3 1.0 1.6





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.415 min Scan# 1634

Delta R.T. -0.000 min

Lab File: BE098776.D

Acq: 27 Feb 2019 14:41

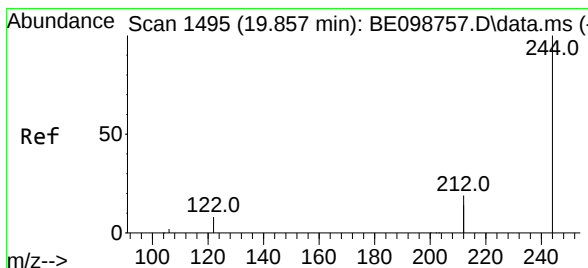
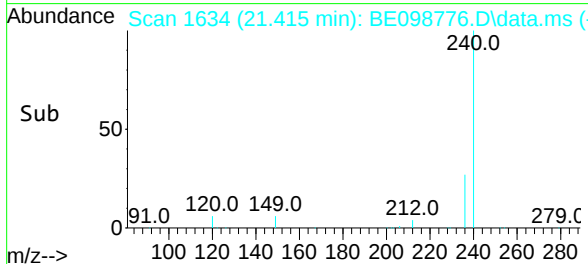
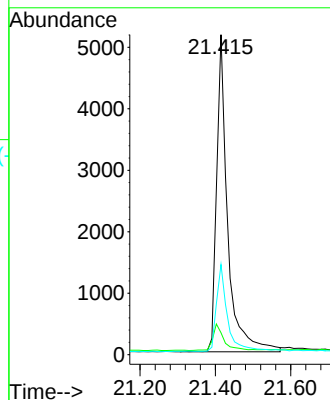
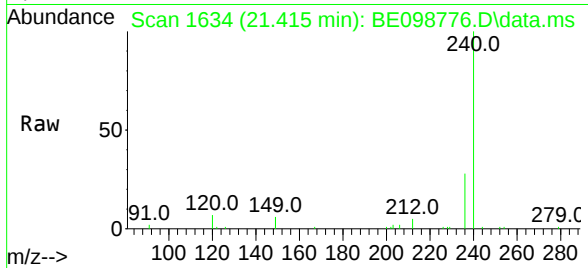
Tgt Ion:240 Resp: 10486

Ion Ratio Lower Upper

240 100

120 6.9 4.7 7.1

236 28.2 21.9 32.9



#29

Terphenyl-d14

Concen: 0.22 ng

RT: 19.857 min Scan# 1495

Delta R.T. 0.000 min

Lab File: BE098776.D

Acq: 27 Feb 2019 14:41

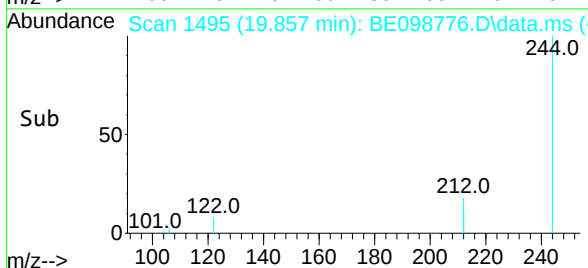
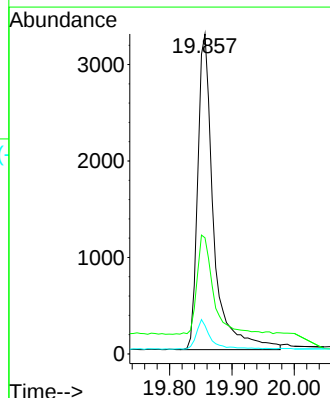
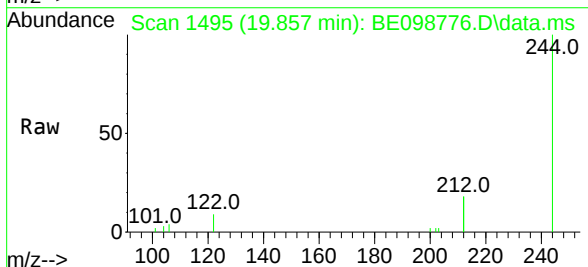
Tgt Ion:244 Resp: 5794

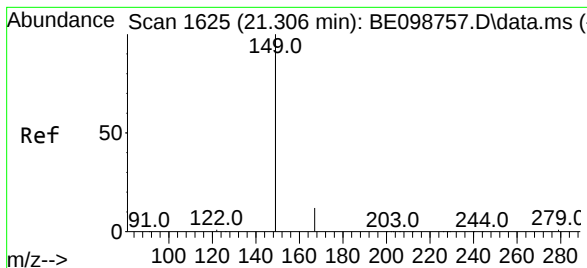
Ion Ratio Lower Upper

244 100

212 36.3 29.4 44.2

122 8.9 7.1 10.7

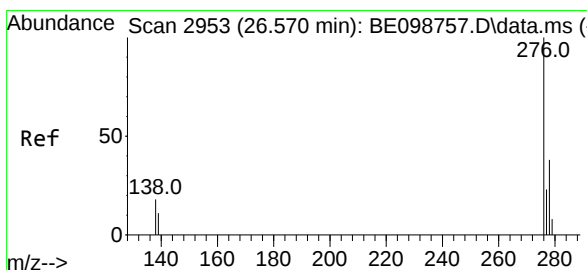
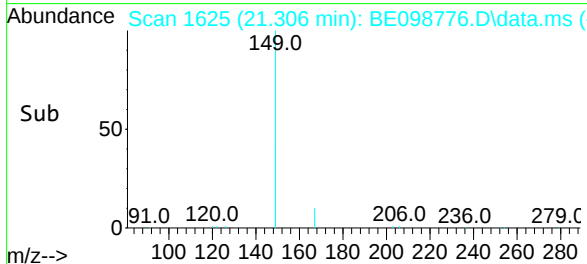
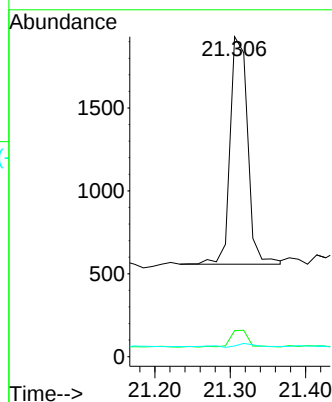
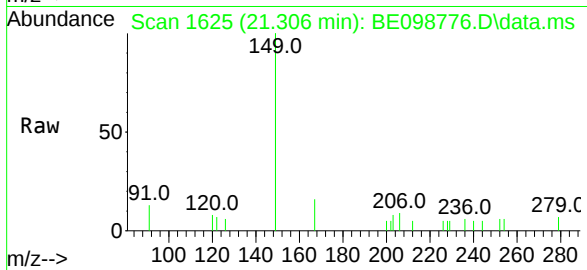




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.03 ng  
 RT: 21.306 min Scan# 1625  
 Delta R.T. -0.000 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

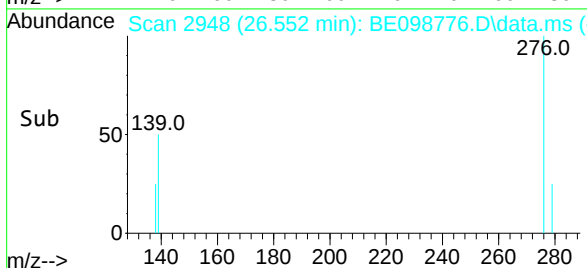
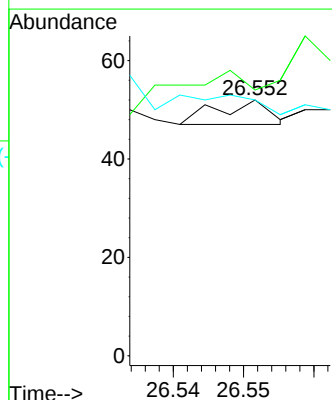
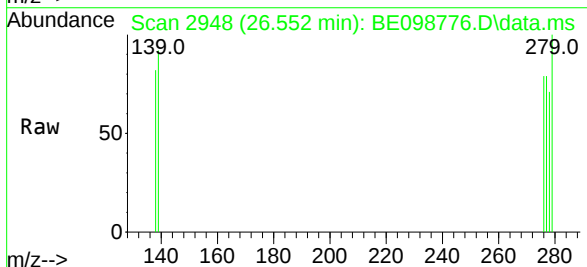
Instrument :  
 BNA\_E  
 ClientSampleId :  
 M2-T3-UV(POST)

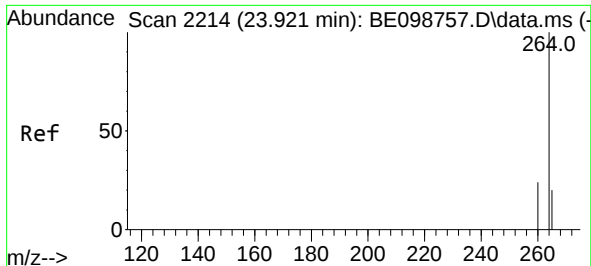
Tgt Ion:149 Resp: 2215  
 Ion Ratio Lower Upper  
 149 100  
 167 7.7 5.4 8.2  
 279 2.0 1.0 1.4#



#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.09 ng  
 RT: 26.552 min Scan# 2948  
 Delta R.T. -0.018 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

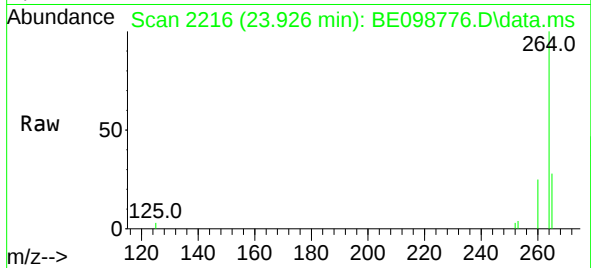
Tgt Ion:276 Resp: 3  
 Ion Ratio Lower Upper  
 276 100  
 138 666.7 13.3 19.9#  
 277 0.0 19.4 29.0#



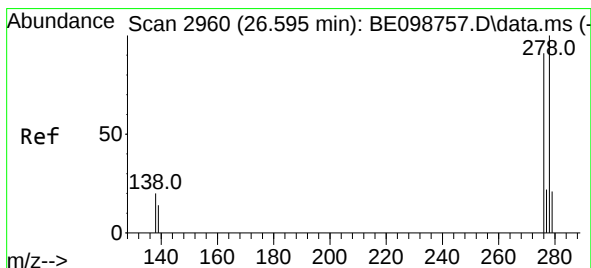
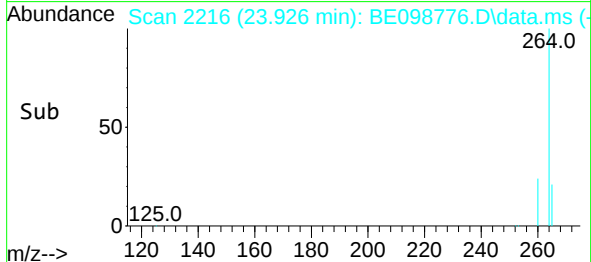
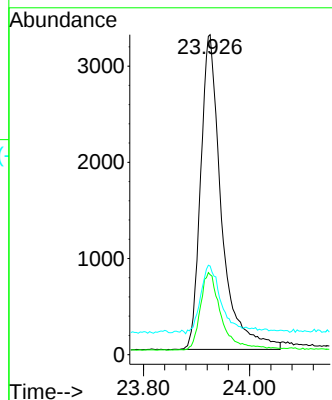


#34  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.926 min Scan# 2216  
 Delta R.T. 0.005 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 M2-T3-UV(POST)



Tgt Ion:264 Resp: 8904  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 20.5 30.7  
 265 27.7 22.3 33.5



#38  
 Dibenzo(a,h)anthracene  
 Concen: 0.14 ng  
 RT: 26.584 min Scan# 2957  
 Delta R.T. -0.011 min  
 Lab File: BE098776.D  
 Acq: 27 Feb 2019 14:41

Tgt Ion:278 Resp: 5  
 Ion Ratio Lower Upper  
 278 100  
 139 128.3 12.7 19.1#  
 279 137.7 22.0 33.0#

