

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\  
 Data File : BG045885.D  
 Acq On : 30 Jun 2020 15:25  
 Operator : CG/JU  
 Sample : L3148-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EPEC-POLYMERS-04

Quant Time: Jun 30 16:42:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 30 16:34:40 2020  
 Response via : Initial Calibration

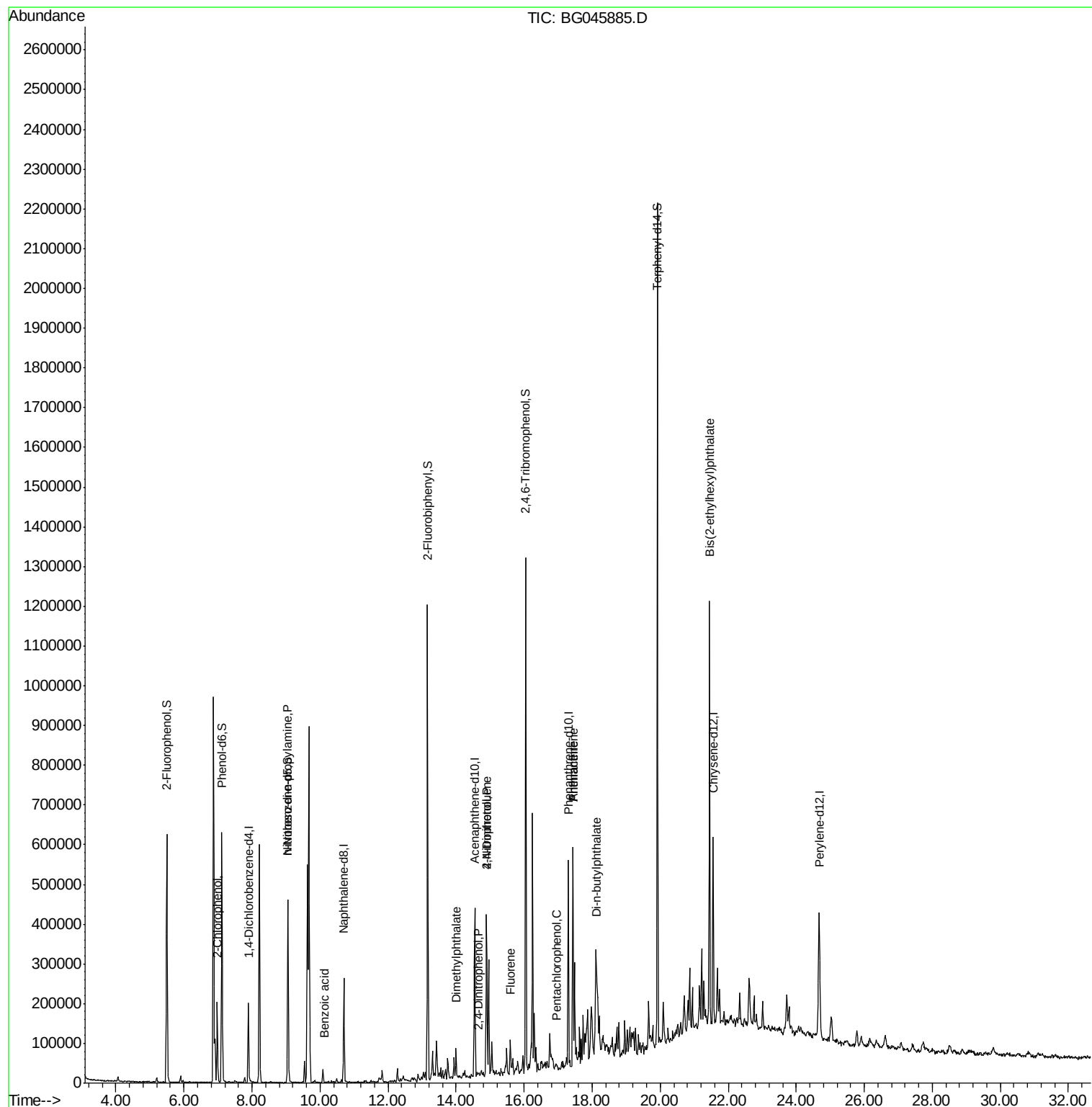
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.89  | 152  | 57256    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.70 | 136  | 220189   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.55 | 164  | 141286   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.30 | 188  | 307694   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.56 | 240  | 294227   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.66 | 264  | 316307   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 300846   | 88.76  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.12  | 99   | 418379   | 81.15  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.06  | 82   | 301590   | 62.57  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.05 | 330  | 184915   | 86.69  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.17 | 172  | 651360   | 67.75  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.92 | 244  | 990665   | 68.24  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 8) 2-Chlorophenol              | 6.98  | 128  | 12755    | 3.516  | ng    | # 54     |
| 19) n-Nitroso-di-n-propylamine | 9.06  | 70   | 41782    | 12.327 | ng    | # 82     |
| 32) Benzoic acid               | 10.13 | 122  | 66       | 9.003  | ng    | # 1      |
| 50) Dimethylphthalate          | 14.00 | 163  | 48462    | 4.378  | ng    | # 95     |
| 54) 2,4-Dinitrophenol          | 14.64 | 184  | 61       | 9.864  | ng    | # 14     |
| 56) 4-Nitrophenol              | 14.90 | 139  | 3691     | 5.945  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene         | 14.90 | 165  | 37172    | 10.436 | ng    | # 40     |
| 58) Fluorene                   | 15.59 | 166  | 26398    | 2.463  | ng    | # 90     |
| 70) Pentachlorophenol          | 16.96 | 266  | 59       | 7.659  | ng    | # 19     |
| 71) Phenanthrene               | 17.43 | 178  | 321472   | 20.258 | ng    | # 98     |
| 72) Anthracene                 | 17.43 | 178  | 321472   | 20.343 | ng    | # 99     |
| 74) Di-n-butylphthalate        | 18.13 | 149  | 230594   | 12.943 | ng    | # 93     |
| 84) Bis(2-ethylhexyl)phthalate | 21.45 | 149  | 489292   | 42.654 | ng    | # 99     |

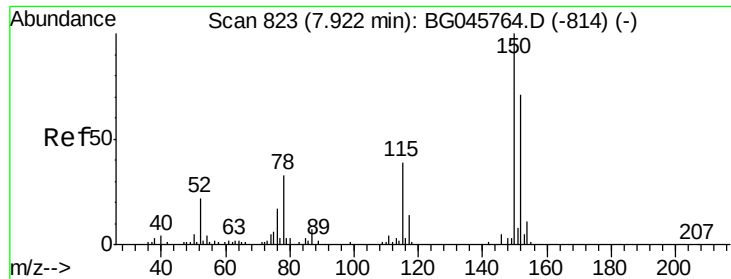
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 30 16:34:40 2020  
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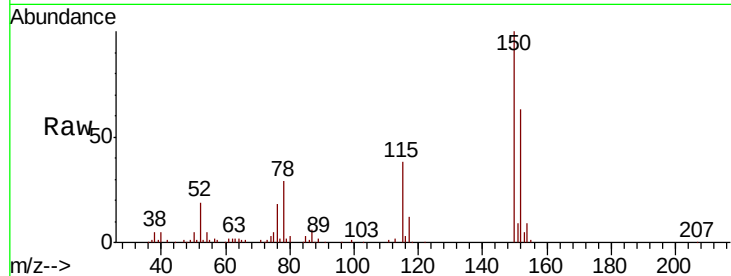


#1

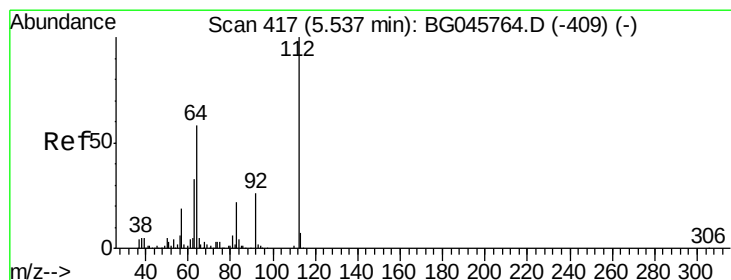
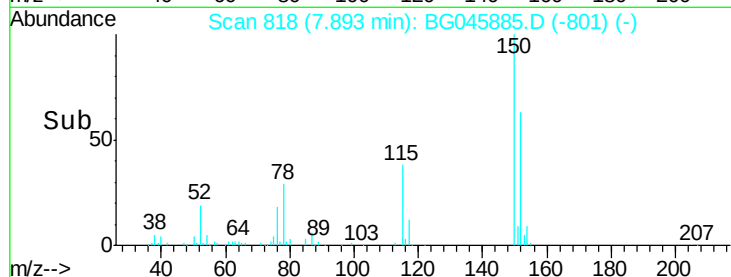
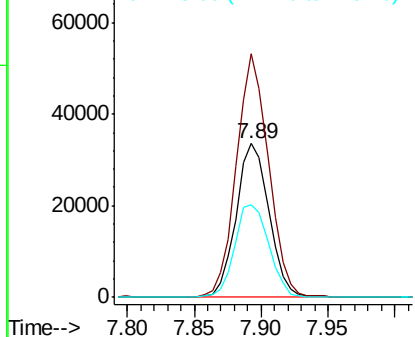
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.89 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Instrument :  
BNA\_G  
ClientSampleId :  
EPEC-POLYMERS-04

Tot Ion:152 Resp: 57256  
Ion Ratio Lower Upper  
152 100  
150 158.5 121.2 181.8  
115 60.4 47.5 71.3



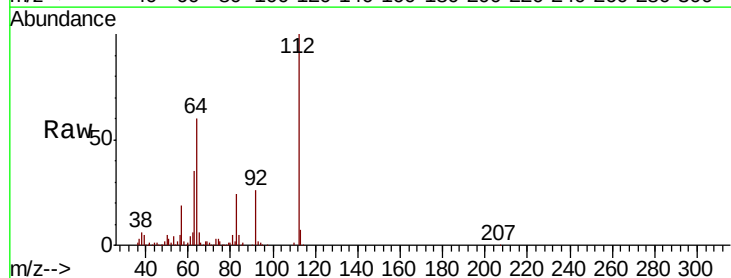
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



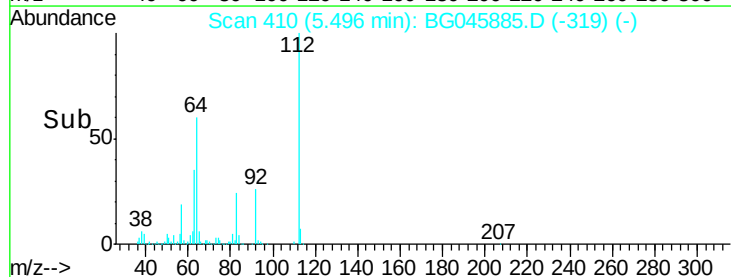
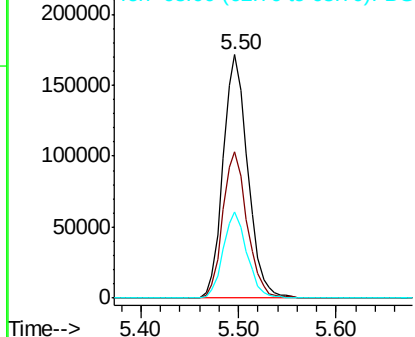
#5

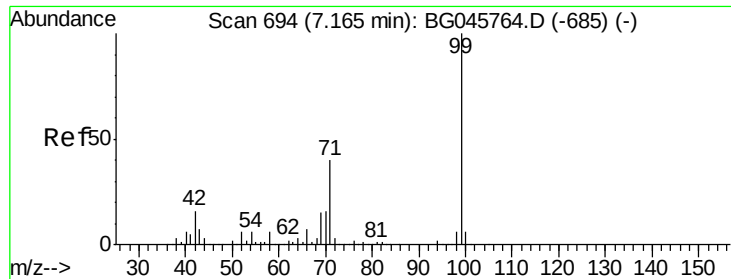
2-Fluorophenol  
Concen: 88.759 ng  
RT: 5.50 min Scan# 410  
Delta R.T. 0.00 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Tgt Ion:112 Resp: 300846  
Ion Ratio Lower Upper  
112 100  
64 59.9 48.5 72.7  
63 35.3 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 81.149 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

Instrument :

BNA\_G

ClientSampleId :

EPEC-POLYMERS-04

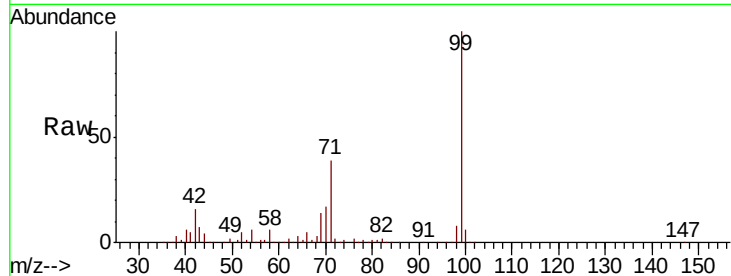
Tot Ion: 99 Resp: 418379

Ion Ratio Lower Upper

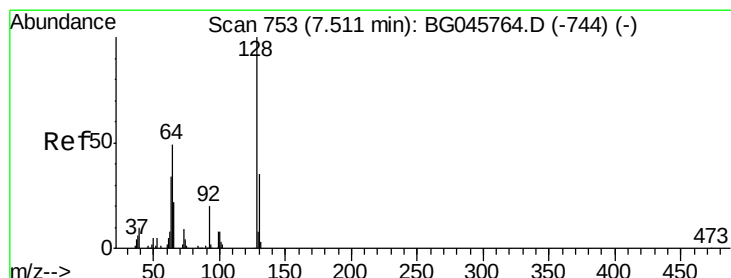
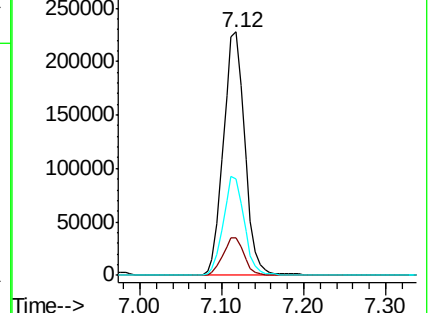
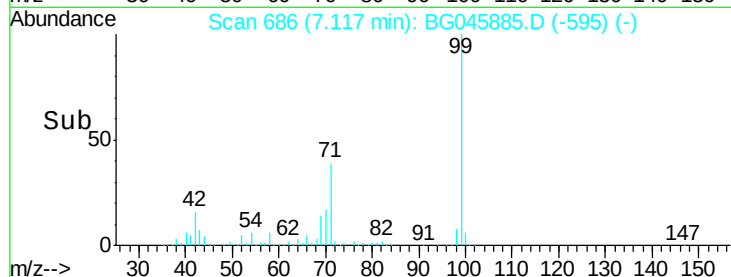
99 100

42 15.6 12.0 18.0

71 39.4 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 3.516 ng

RT: 6.98 min Scan# 662

Delta R.T. -0.50 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

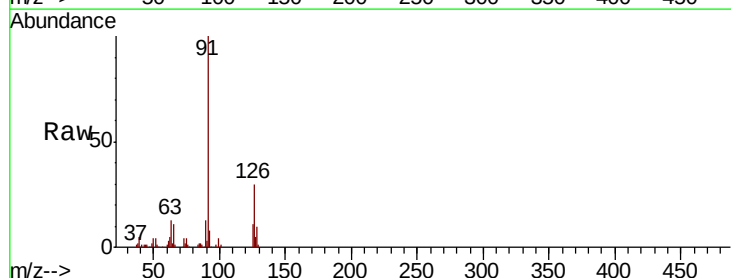
Tgt Ion: 128 Resp: 12755

Ion Ratio Lower Upper

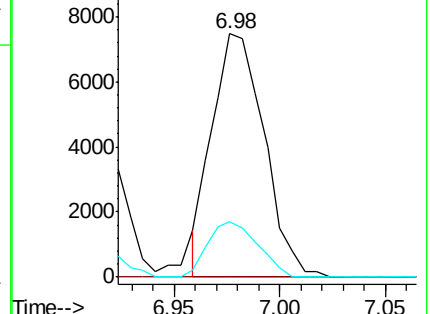
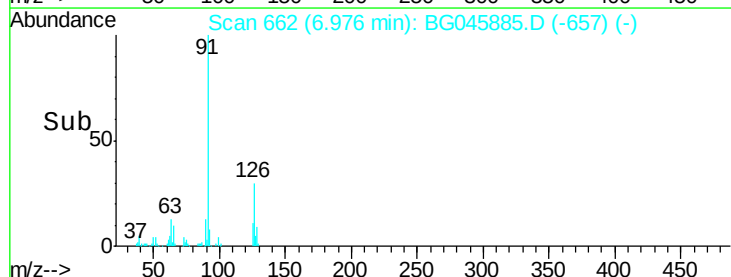
128 100

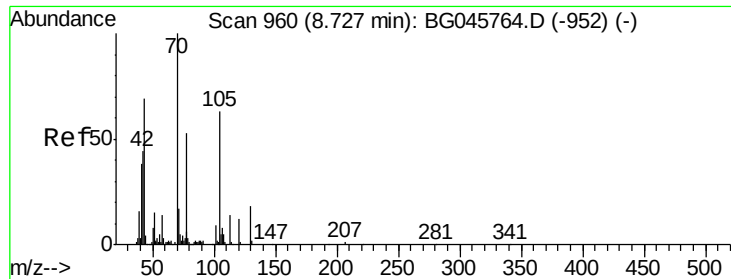
130 0.0 14.2 54.2#

64 23.0 27.3 67.3#



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC

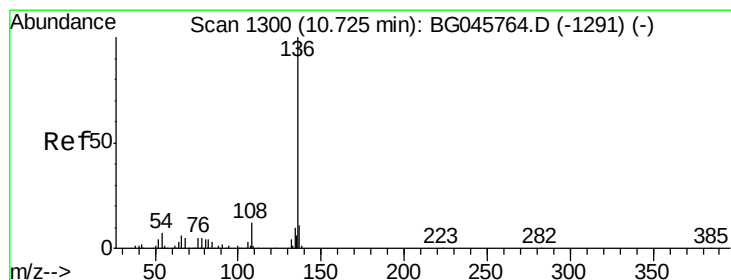
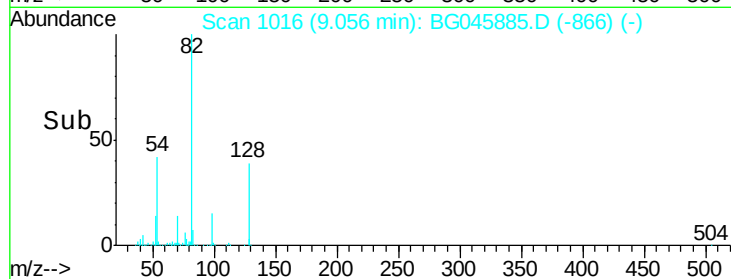
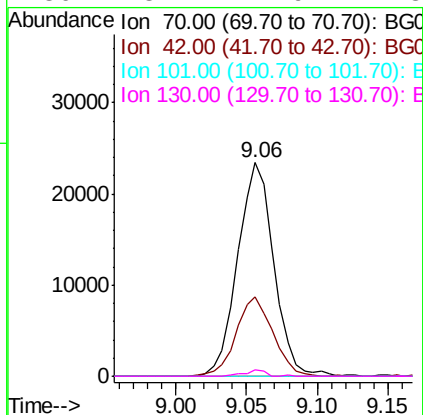
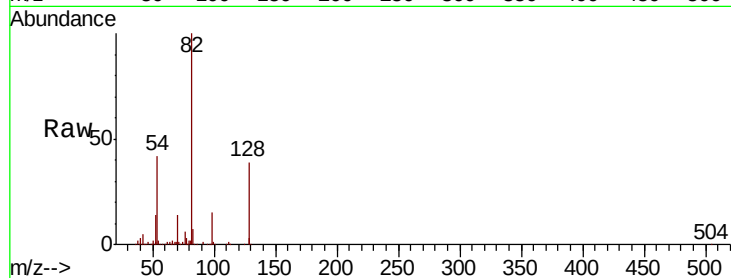




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.327 ng  
RT: 9.06 min Scan# 1016  
Delta R.T. 0.35 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

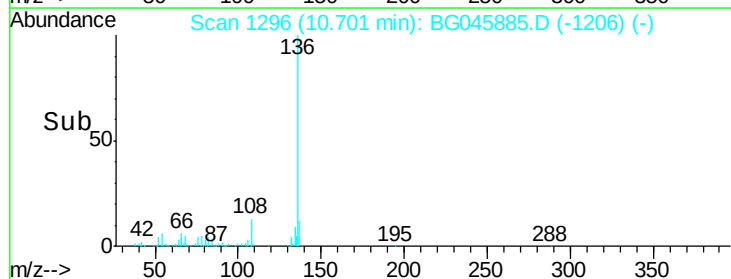
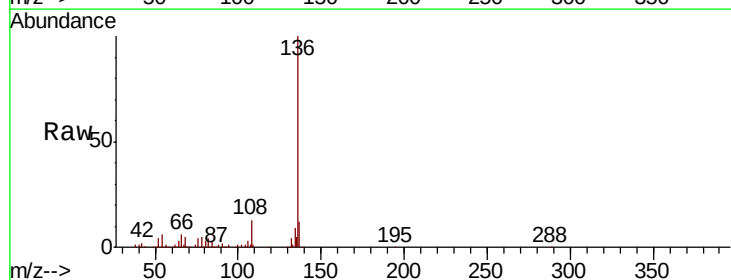
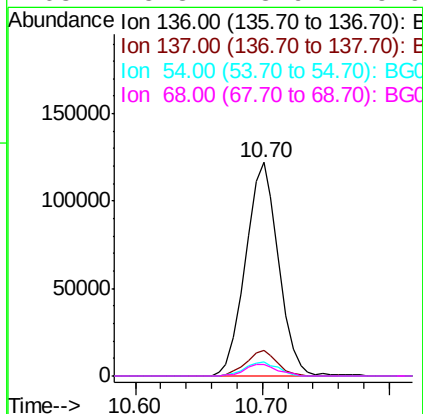
Instrument :  
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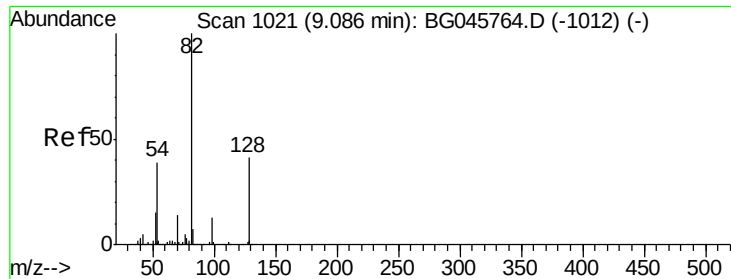
Tot Ion: 70 Resp: 41782  
Ion Ratio Lower Upper  
70 100  
42 37.4 33.9 50.9  
101 0.0 8.0 12.0#  
130 3.1 14.9 22.3#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.70 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Tgt Ion:136 Resp: 220189  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.4 14.0  
54 6.3 4.9 7.3  
68 5.3 3.9 5.9

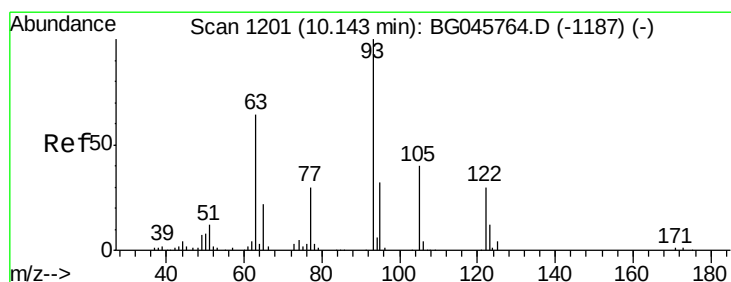
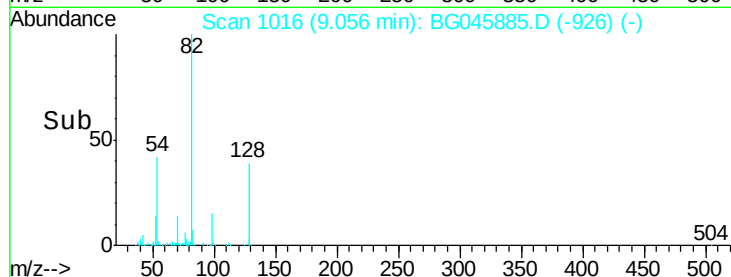
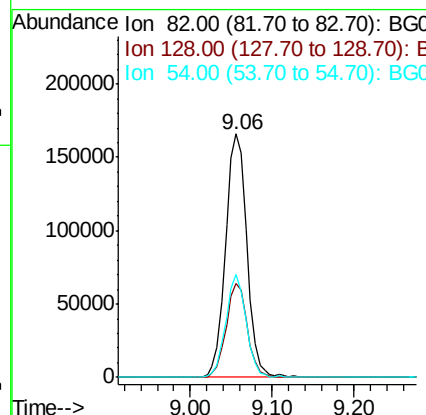
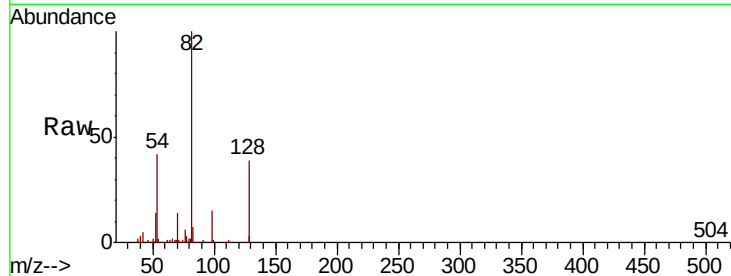




#23  
 Nitrobenzene-d5  
 Concen: 62.572 ng  
 RT: 9.06 min Scan# 1016  
 Delta R.T. -0.00 min  
 Lab File: BG045885.D  
 Acq: 30 Jun 2020 15:25

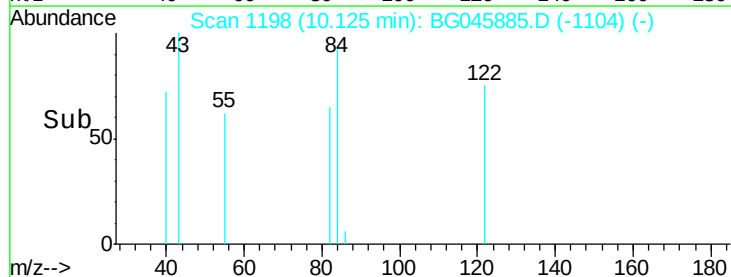
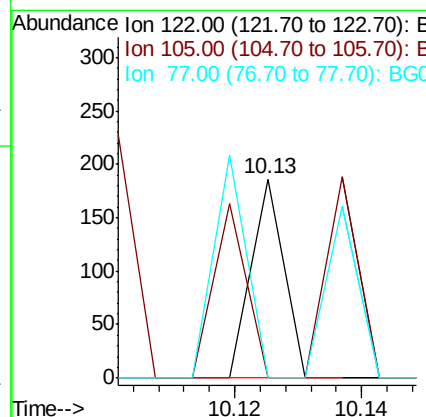
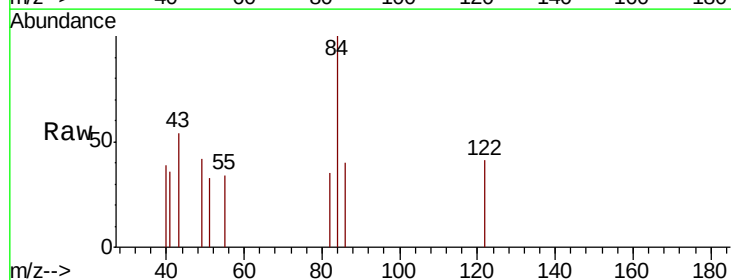
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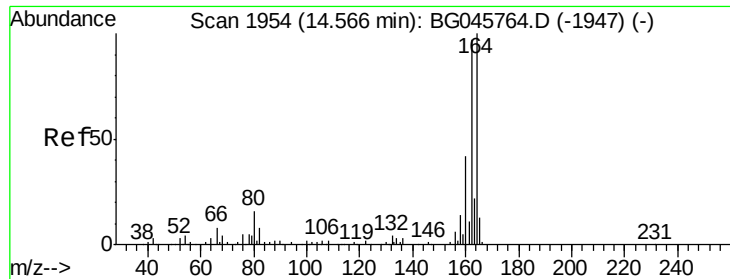
Tot Ion: 82 Resp: 301590  
 Ion Ratio Lower Upper  
 82 100  
 128 38.7 31.3 46.9  
 54 42.2 32.6 49.0



#32  
 Benzoic acid  
 Concen: 9.003 ng  
 RT: 10.13 min Scan# 1198  
 Delta R.T. 0.02 min  
 Lab File: BG045885.D  
 Acq: 30 Jun 2020 15:25

Tgt Ion: 122 Resp: 66  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 110.1 150.1#  
 77 0.0 94.1 134.1#

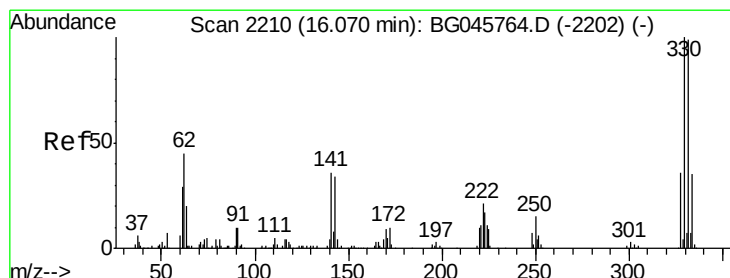
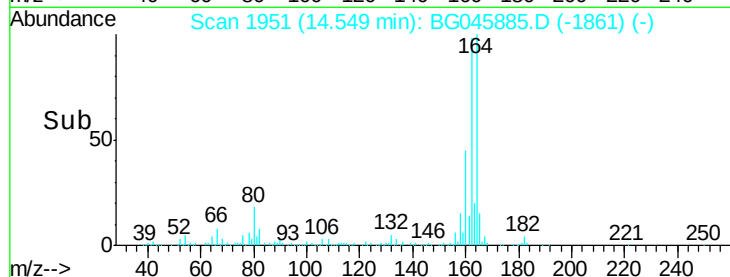
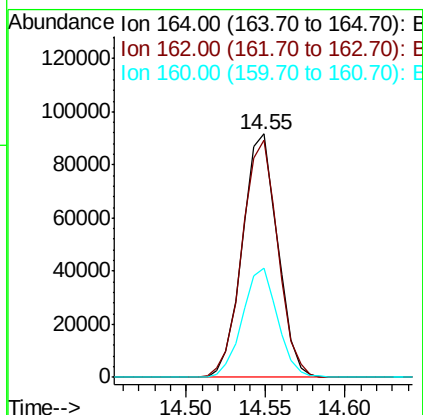
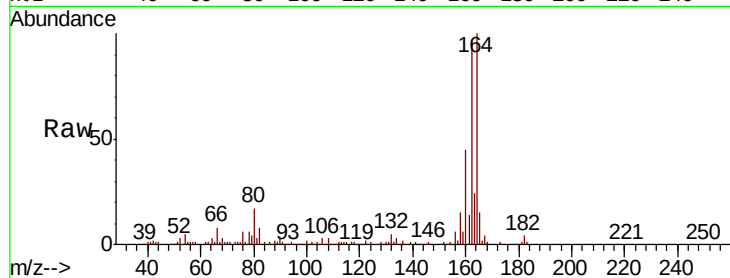




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.55 min Scan# 1951  
Delta R.T. -0.00 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

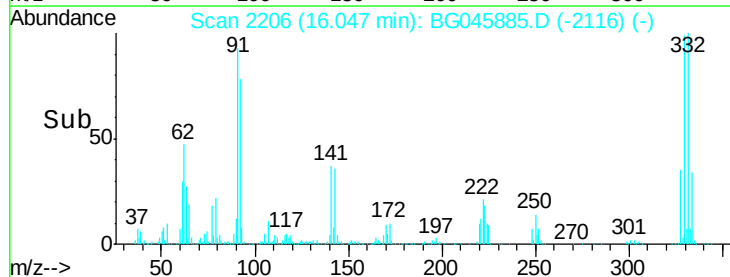
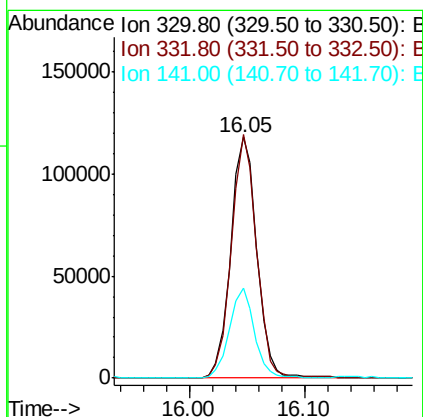
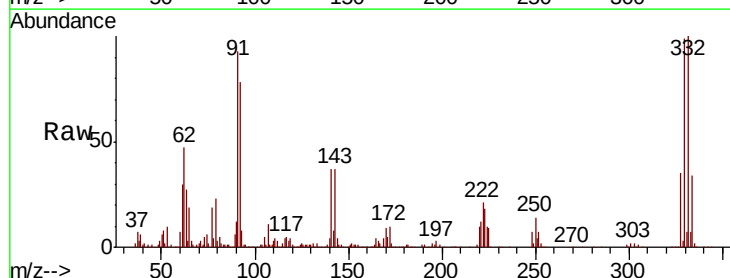
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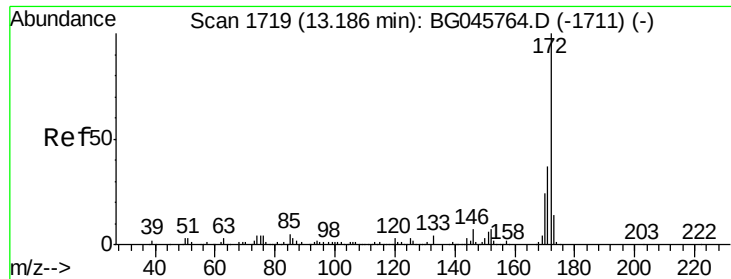
Tot Ion:164 Resp: 141286  
Ion Ratio Lower Upper  
164 100  
162 97.3 80.6 120.8  
160 44.6 35.0 52.4



#42  
2,4,6-Tribromophenol  
Concen: 86.690 ng  
RT: 16.05 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Tgt Ion:330 Resp: 184915  
Ion Ratio Lower Upper  
330 100  
332 97.3 76.6 114.8  
141 36.6 27.7 41.5

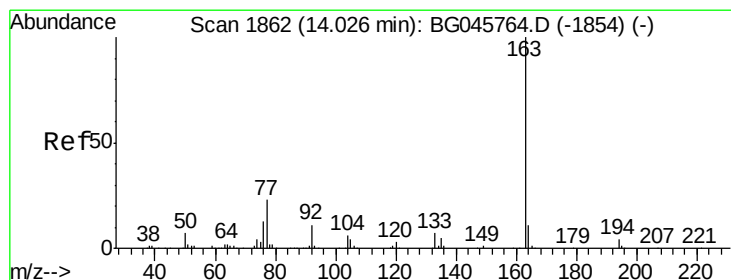
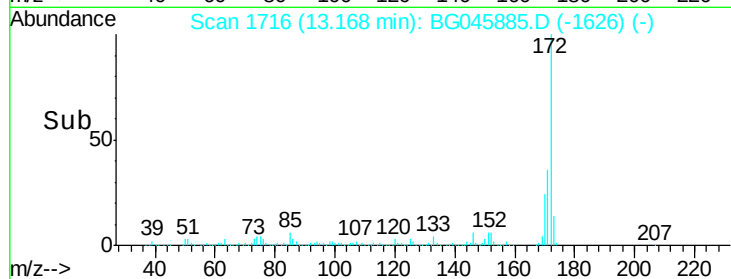
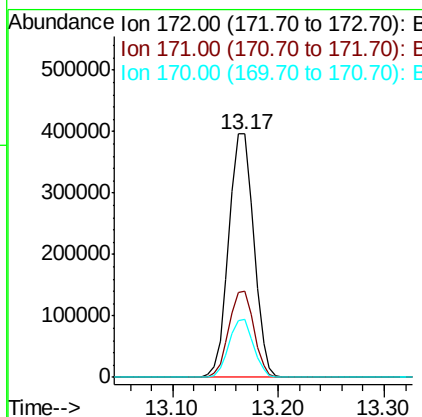
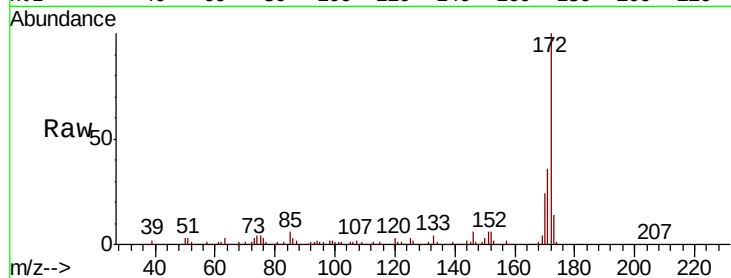




#45  
2-Fluorobiphenyl  
Concen: 67.750 ng  
RT: 13.17 min Scan# 1716  
Delta R.T. -0.00 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

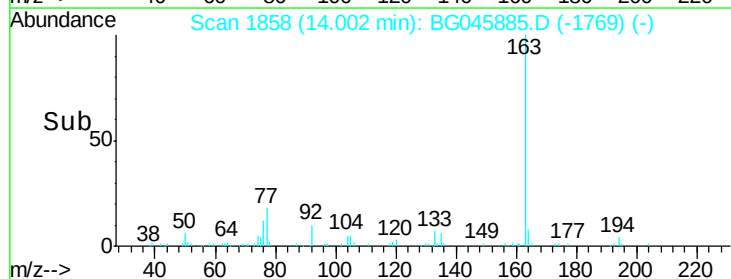
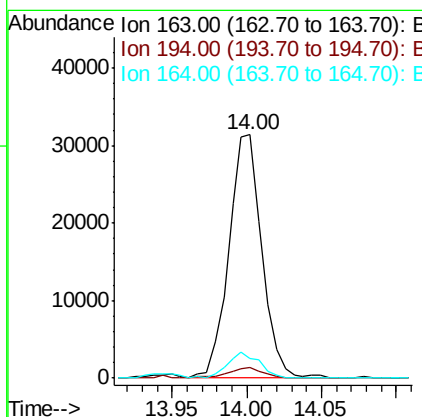
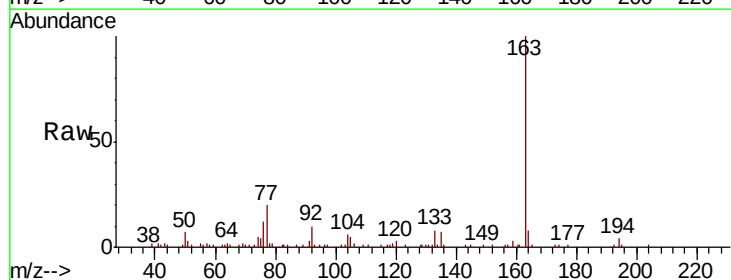
Instrument :  
BNA\_G  
ClientSampleId :  
EPEC-POLYMERS-04

Tot Ion:172 Resp: 651360  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.9 43.3  
170 24.0 19.1 28.7

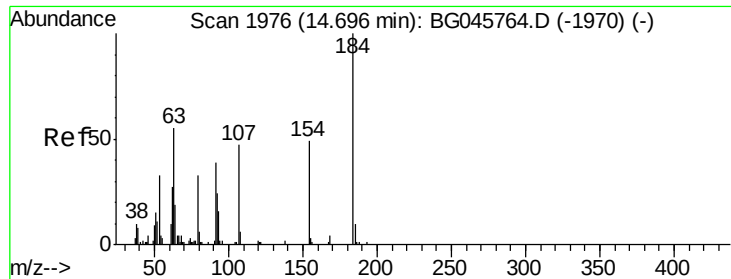


#50  
Dimethylphthalate  
Concen: 4.378 ng  
RT: 14.00 min Scan# 1858  
Delta R.T. -0.01 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Tgt Ion:163 Resp: 48462  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.3 4.9  
164 8.3 8.8 13.2#



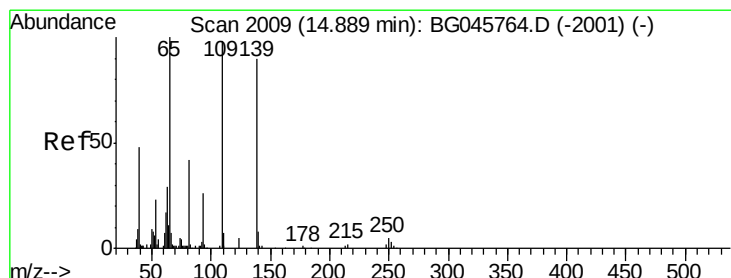
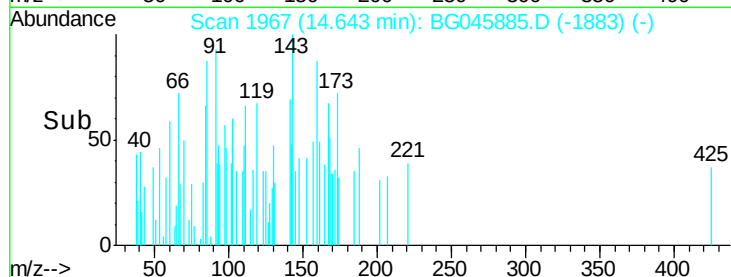
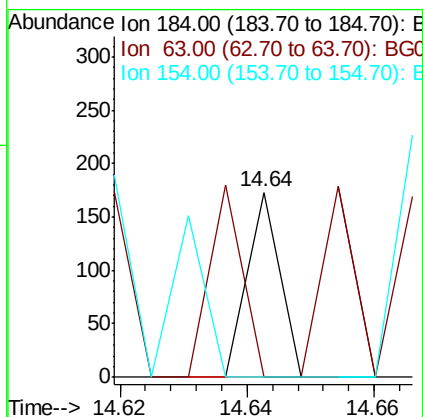
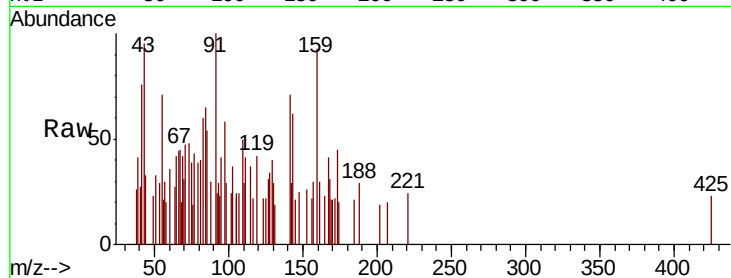




#54  
2,4-Dinitrophenol  
Concen: 9.864 ng  
RT: 14.64 min Scan# 1967  
Delta R.T. -0.04 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

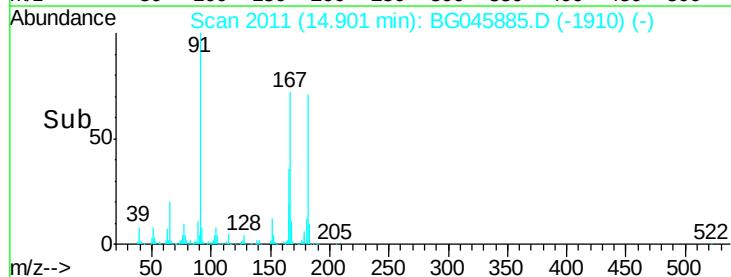
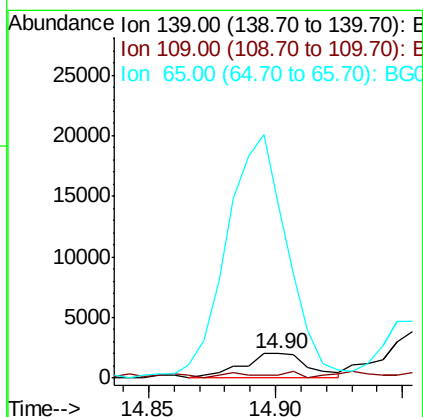
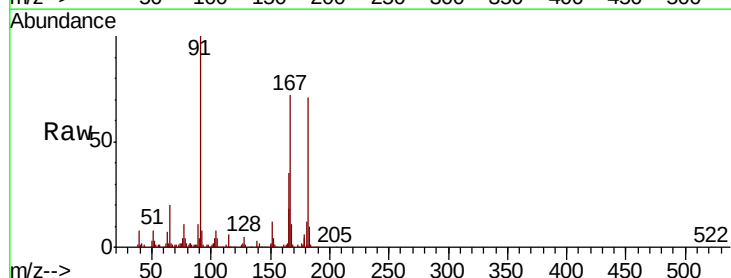
Instrument :  
BNA\_G  
ClientSampleId :  
EPEC-POLYMERS-04

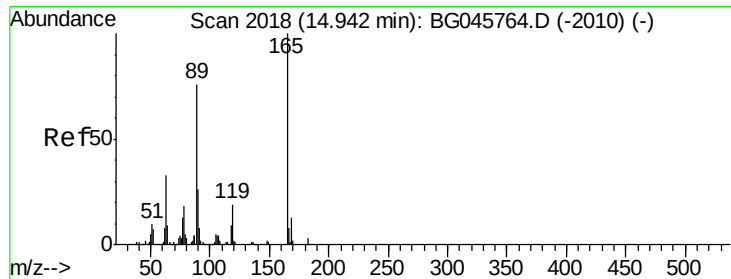
Tot Ion:184 Resp: 61  
Ion Ratio Lower Upper  
184 100  
63 0.0 51.9 77.9#  
154 0.0 60.7 91.1#



#56  
4-Nitrophenol  
Concen: 5.945 ng  
RT: 14.90 min Scan# 2011  
Delta R.T. 0.06 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Tgt Ion:139 Resp: 3691  
Ion Ratio Lower Upper  
139 100  
109 10.3 83.9 123.9#  
65 709.2 87.8 127.8#

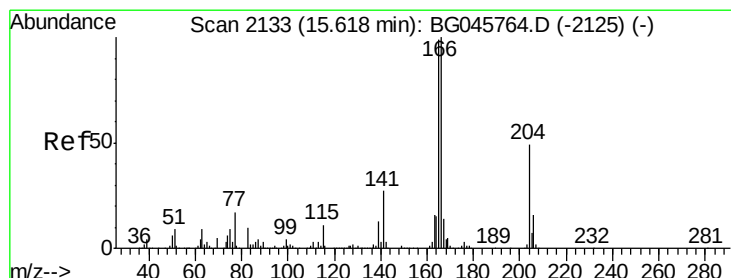
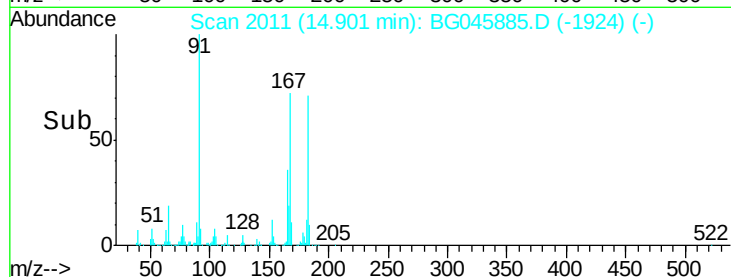
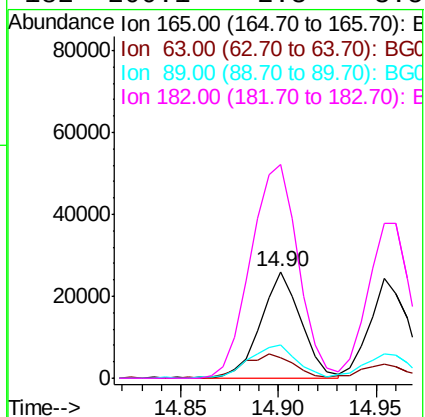
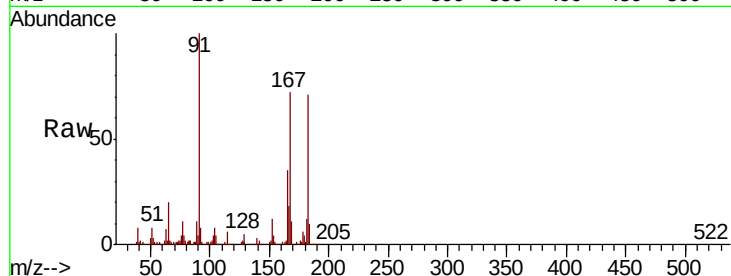




#57  
2,4-Dinitrotoluene  
Concen: 10.436 ng  
RT: 14.90 min Scan# 2011  
Delta R.T. -0.02 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

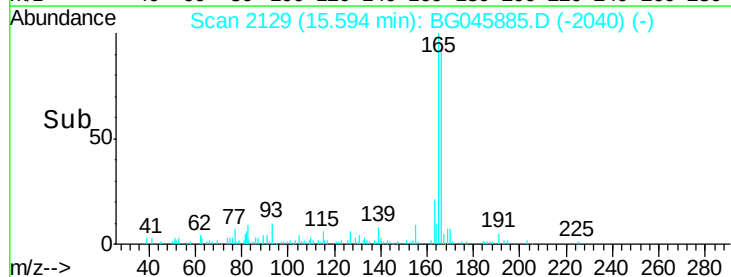
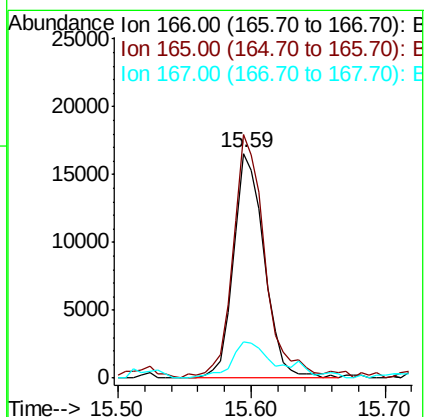
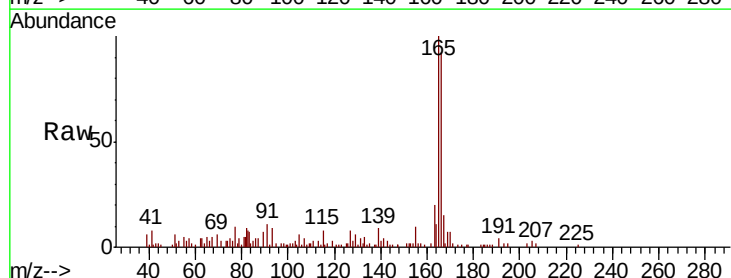
Instrument :  
BNA\_G  
ClientSampleId :  
EPEC-POLYMERS-04

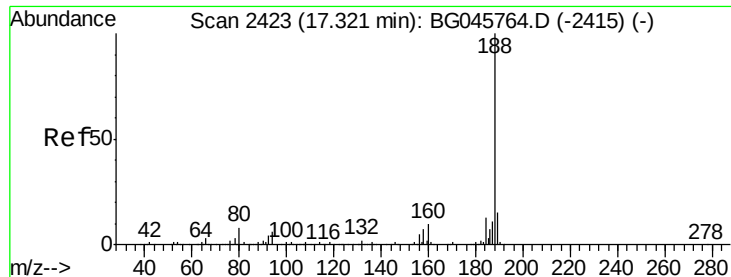
Tot Ion:165 Resp: 37172  
Ion Ratio Lower Upper  
165 100  
63 19.4 35.2 52.8#  
89 31.1 61.4 92.2#  
182 200.1 2.3 3.5#



#58  
Fluorene  
Concen: 2.463 ng  
RT: 15.59 min Scan# 2129  
Delta R.T. -0.01 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Tgt Ion:166 Resp: 26398  
Ion Ratio Lower Upper  
166 100  
165 108.5 78.2 117.2  
167 16.2 11.3 16.9

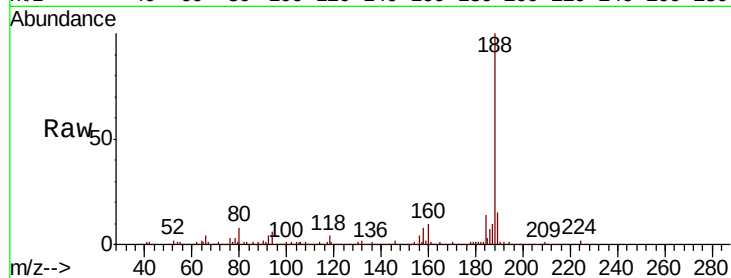




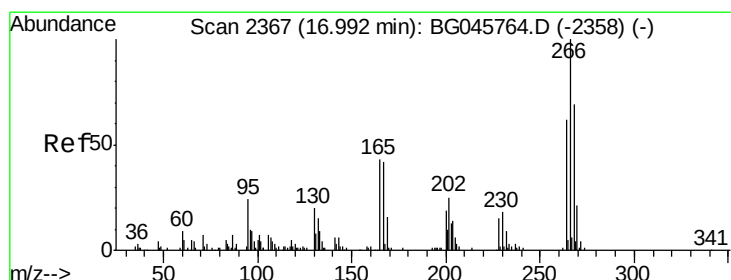
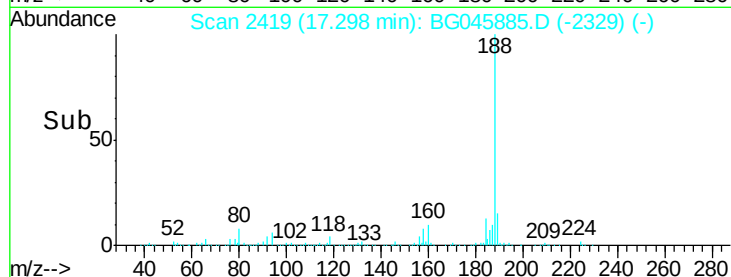
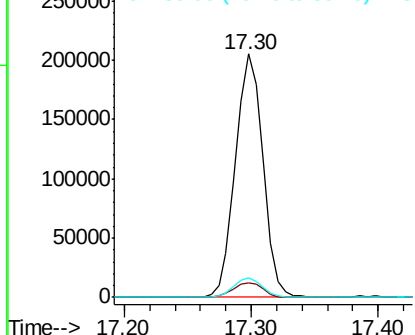
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.30 min Scan# 2419  
Delta R.T. -0.00 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Instrument :  
BNA\_G  
ClientSampleId :  
EPEC-POLYMERS-04

Tot Ion:188 Resp: 307694  
Ion Ratio Lower Upper  
188 100  
94 6.0 5.7 8.5  
80 8.3 6.6 10.0

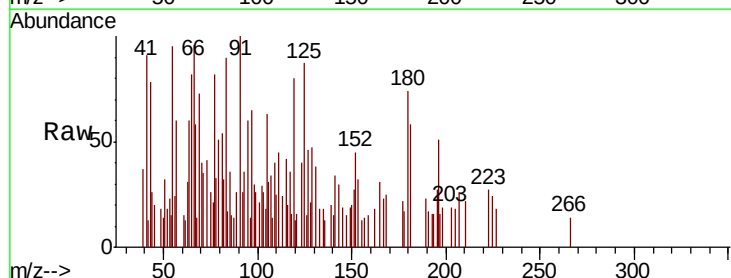


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

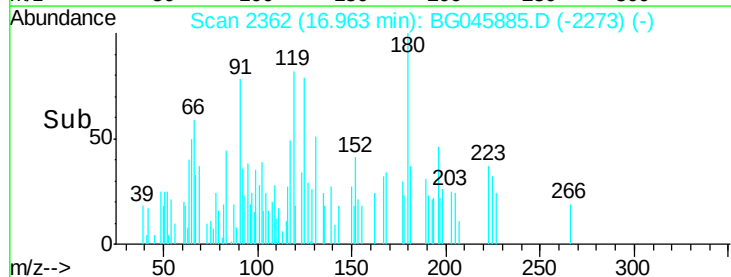
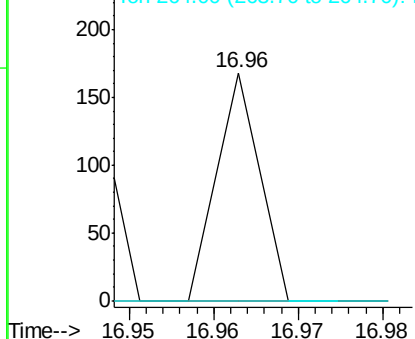


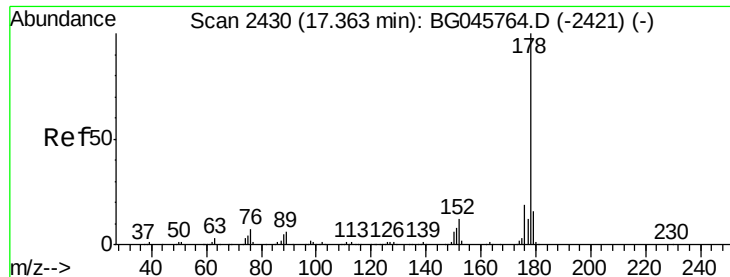
#70  
Pentachlorophenol  
Concen: 7.659 ng  
RT: 16.96 min Scan# 2362  
Delta R.T. -0.01 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Tgt Ion:266 Resp: 59  
Ion Ratio Lower Upper  
266 100  
268 0.0 50.9 76.3#  
264 0.0 49.8 74.8#



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 20.258 ng

RT: 17.43 min Scan# 2442

Delta R.T. 0.09 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

Instrument :

BNA\_G

ClientSampleId :

EPEC-POLYMERS-04

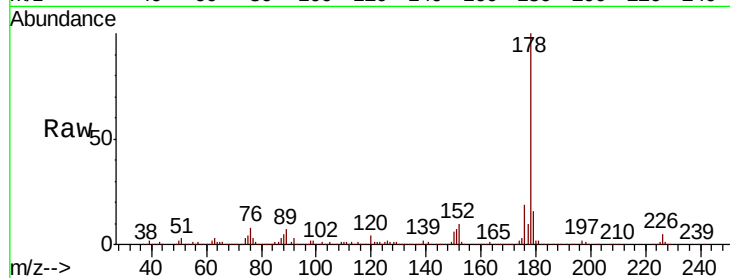
Tot Ion:178 Resp: 321472

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

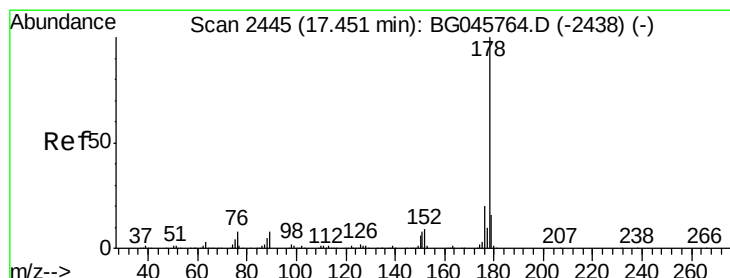
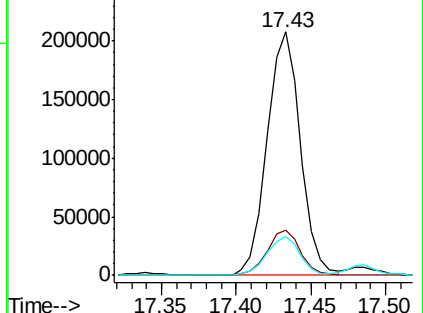
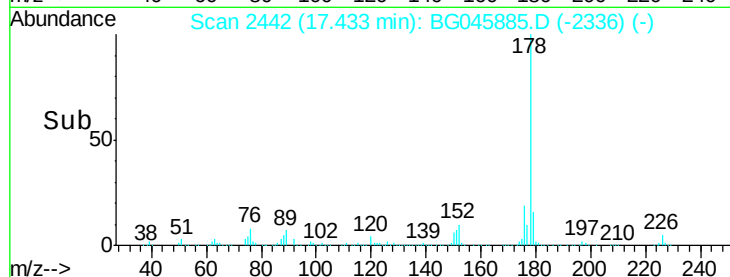
179 15.9 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 20.343 ng

RT: 17.43 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

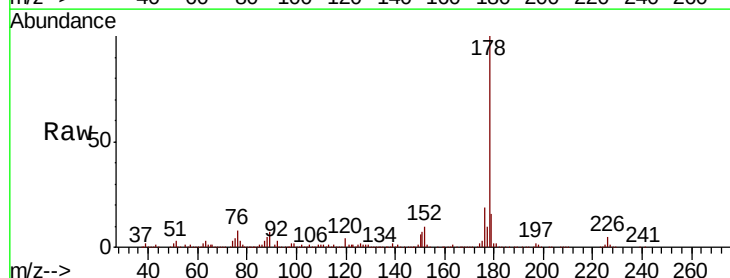
Tgt Ion:178 Resp: 321472

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

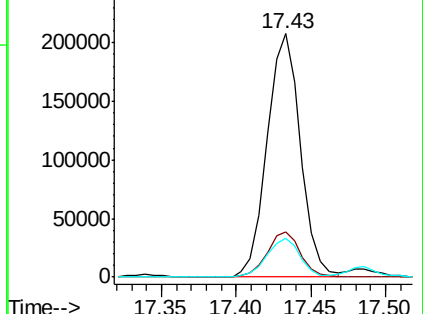
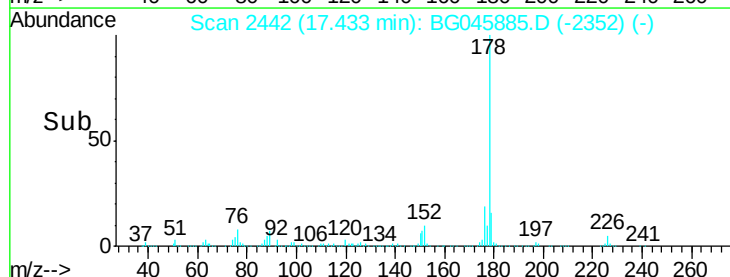
179 15.9 12.8 19.2

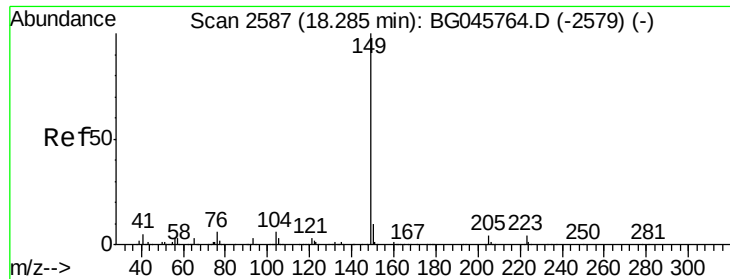


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 12.943 ng

RT: 18.13 min Scan# 2560

Delta R.T. -0.14 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

Instrument :

BNA\_G

ClientSampleId :

EPEC-POLYMERS-04

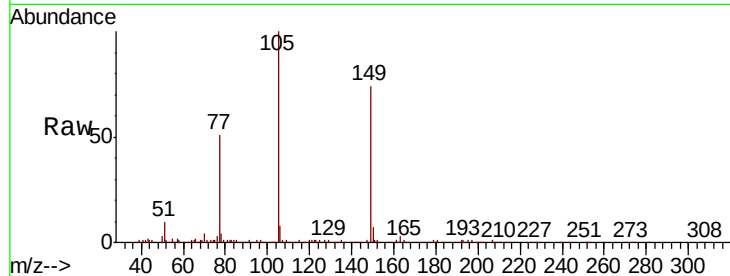
Tot Ion:149 Resp: 230594

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

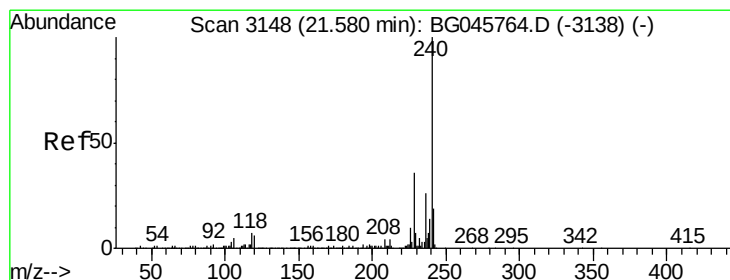
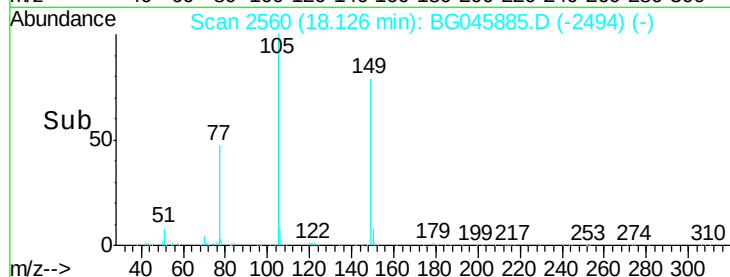
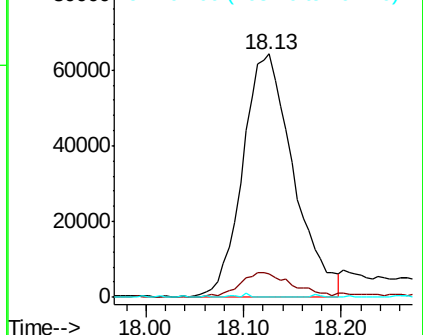
104 0.0 4.9 7.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

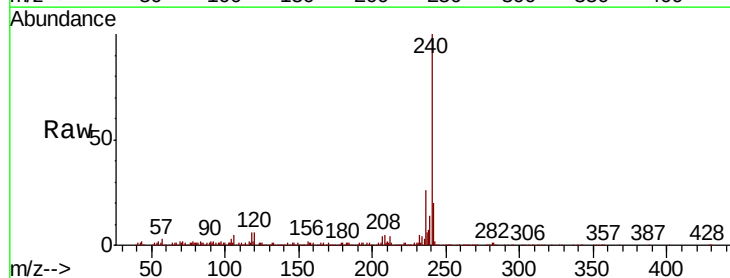
Tgt Ion:240 Resp: 294227

Ion Ratio Lower Upper

240 100

120 6.4 5.6 8.4

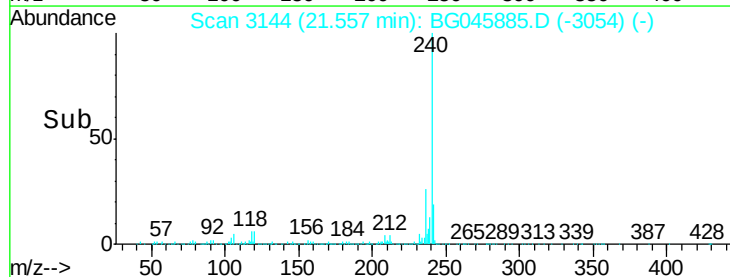
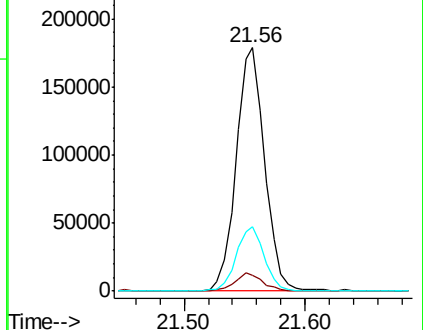
236 26.2 21.3 31.9

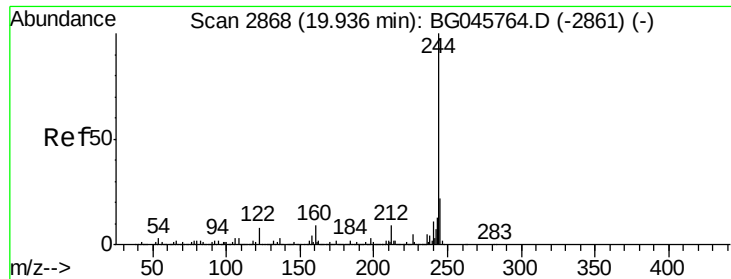


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 68.236 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

Instrument :

BNA\_G

ClientSampleId :

EPEC-POLYMERS-04

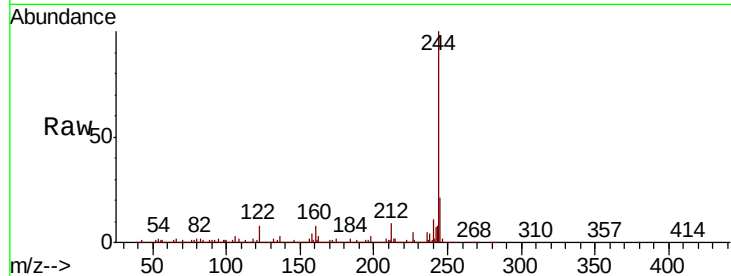
Tot Ion:244 Resp: 990665

Ion Ratio Lower Upper

244 100

212 8.8 7.2 10.8

122 7.7 6.9 10.3

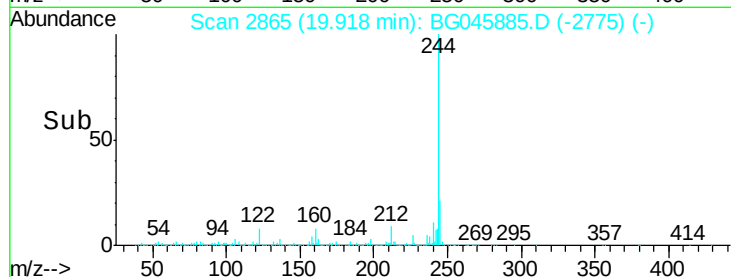


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

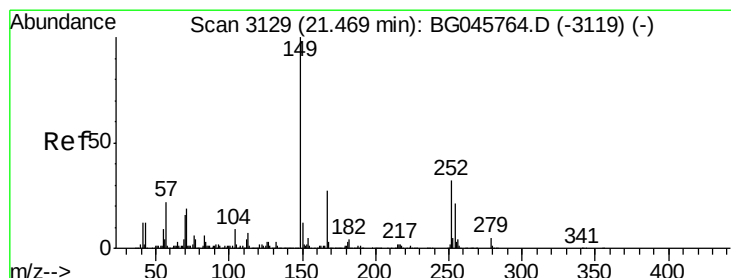
Ion 122.00 (121.70 to 122.70): E

Time-->



19.92

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.654 ng

RT: 21.45 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BG045885.D

Acq: 30 Jun 2020 15:25

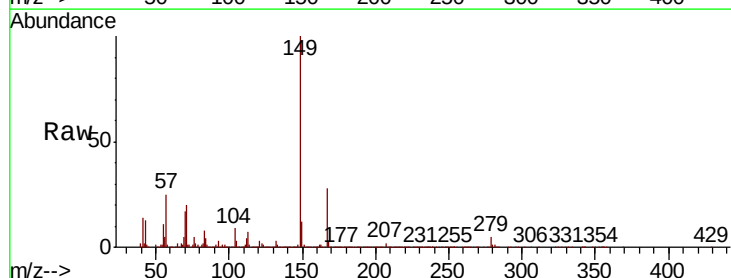
Tgt Ion:149 Resp: 489292

Ion Ratio Lower Upper

149 100

167 27.6 21.7 32.5

279 5.3 4.2 6.2

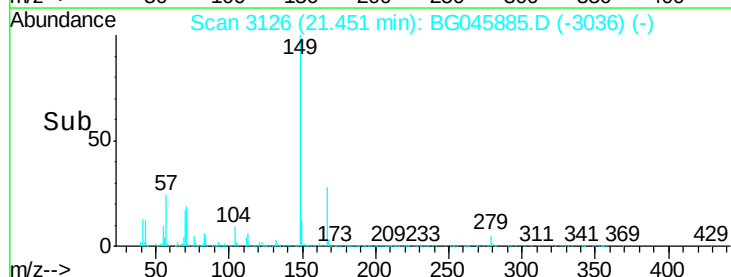


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

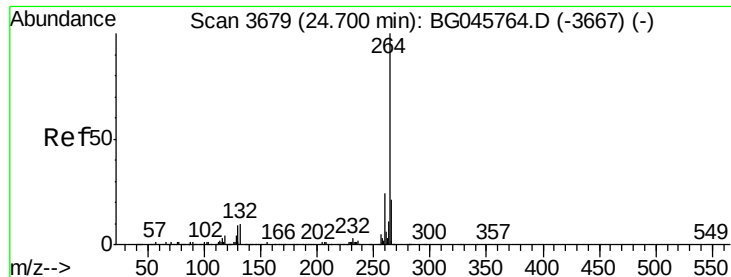
Ion 279.00 (278.70 to 279.70): E

Time-->



21.45

Time-->



#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.66 min Scan# 3673  
Delta R.T. -0.01 min  
Lab File: BG045885.D  
Acq: 30 Jun 2020 15:25

Instrument :  
BNA\_G  
ClientSampleId :  
EPEC-POLYMERS-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.5  | 29.3  |
| 265     | 20.7  | 17.4  | 26.0  |

