

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070120\
 Data File : BM026638.D
 Acq On : 01 Jul 2020 15:58
 Operator : JU/CG
 Sample : L3148-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EPEC-POLYMERS-04

Quant Time: Jul 01 16:41:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 01 13:20:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	82345	20.00	ng	0.00
21) Naphthalene-d8	10.11	136	306337	20.00	ng	0.00
39) Acenaphthene-d10	14.01	164	177965	20.00	ng	0.00
64) Phenanthrene-d10	16.77	188	374145	20.00	ng	0.00
76) Chrysene-d12	20.99	240	437696	20.00	ng	0.00
86) Perylene-d12	23.07	264	466075	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.99	112	604637	129.82	ng	0.00
7) Phenol-d6	6.56	99	698636	103.59	ng	0.00
23) Nitrobenzene-d5	8.50	82	693872	111.21	ng	0.00
42) 2,4,6-Tribromophenol	15.52	330	373811	173.40	ng	0.00
45) 2-Fluorobiphenyl	12.62	172	1348442	115.02	ng	0.00
79) Terphenyl-d14	19.43	244	2341960	103.87	ng	0.00

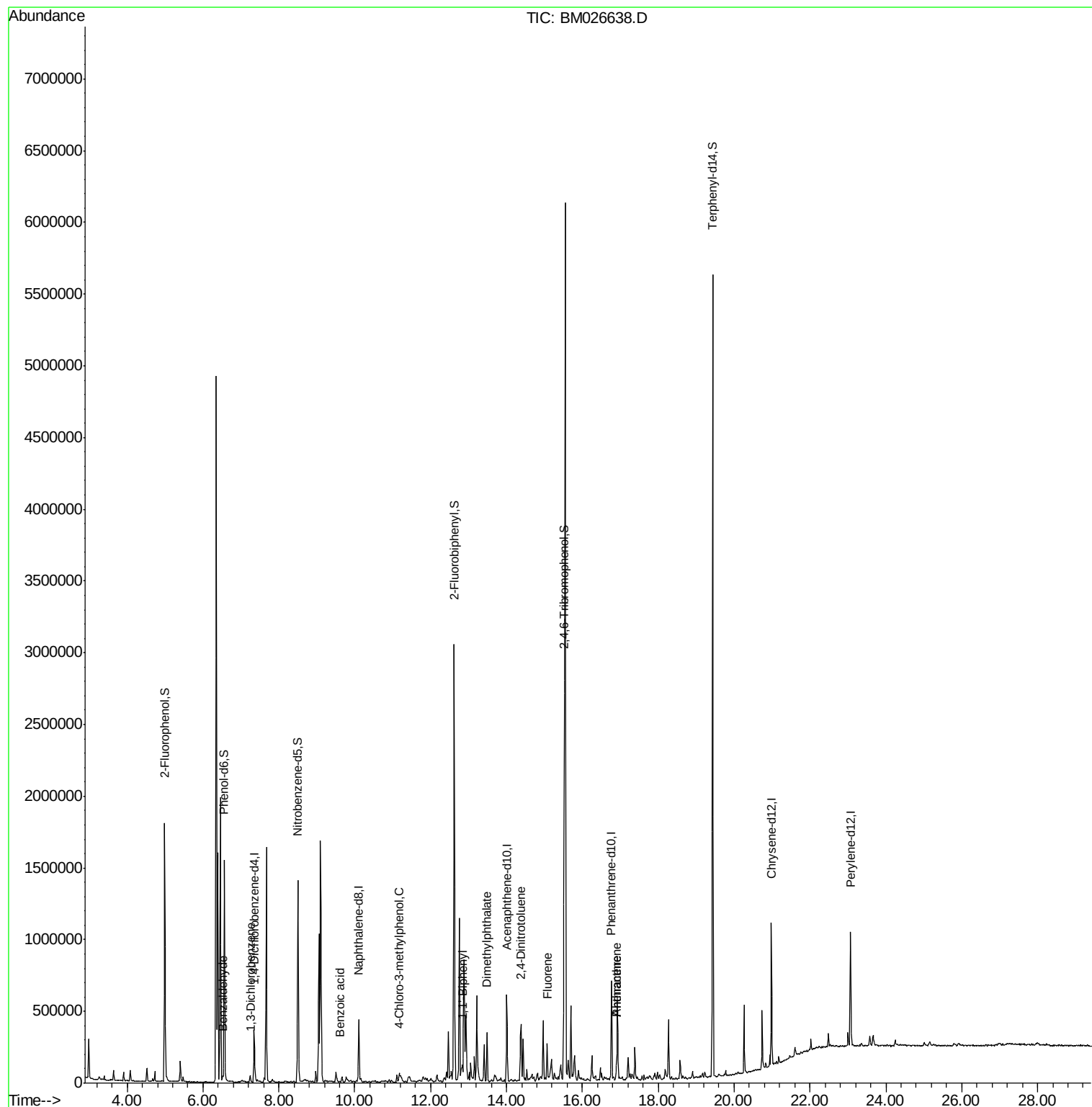
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	12787	2.973	ng	98
12) 1,3-Dichlorobenzene	7.25	146	14459	2.431	ng	96
32) Benzoic acid	9.60	122	351	5.259	ng	# 58
36) 4-Chloro-3-methylphenol	11.17	107	15253	2.796	ng	97
46) 1,1'-Biphenyl	12.83	154	54060	4.333	ng	98
50) Dimethylphthalate	13.49	163	187839	14.430	ng	99
57) 2,4-Dinitrotoluene	14.39	165	41418	10.429	ng	# 34
58) Fluorene	15.07	166	88768	6.970	ng	98
71) Phenanthrene	16.90	178	52156	2.677	ng	97
72) Anthracene	16.90	178	52156	2.682	ng	98

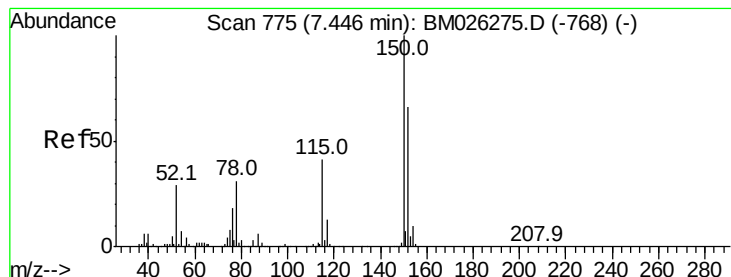
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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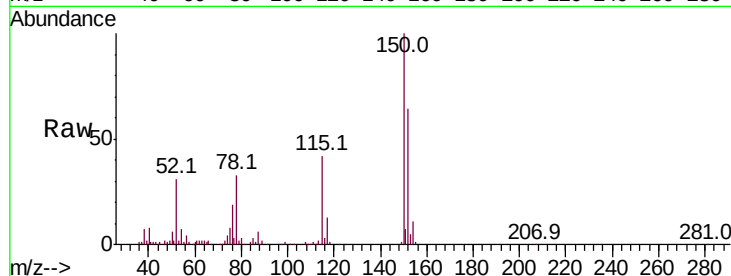


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.35 min Scan# 759
Delta R.T. -0.01 min
Lab File: BM026638.D
Acq: 01 Jul 2020 15:58

Instrument :
BNA_M
ClientSampleId :
EPEC-POLYMERS-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.8	191.6
115	65.5	51.5	77.3

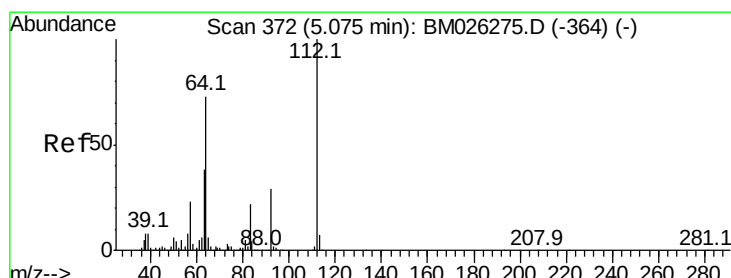
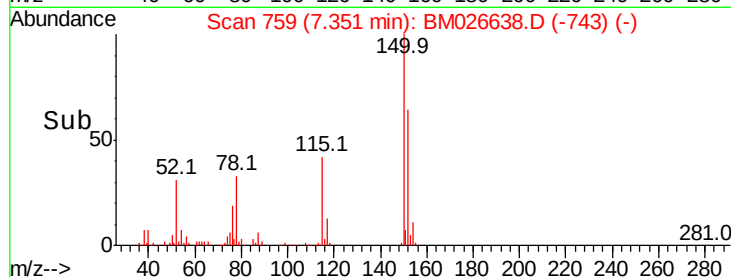
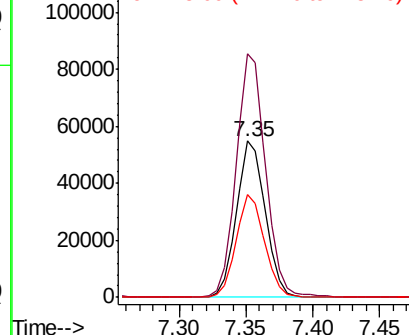


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

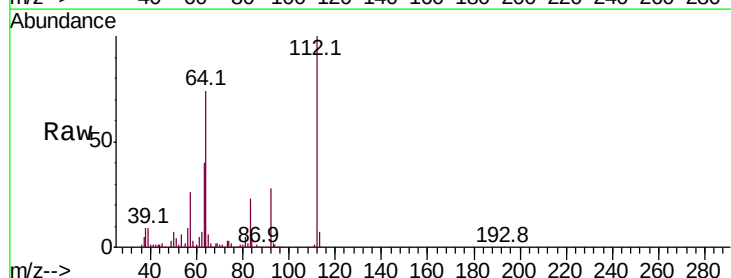
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.822 ng
RT: 4.99 min Scan# 358
Delta R.T. -0.00 min
Lab File: BM026638.D
Acq: 01 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.7	56.0	84.0
63	39.7	29.0	43.6

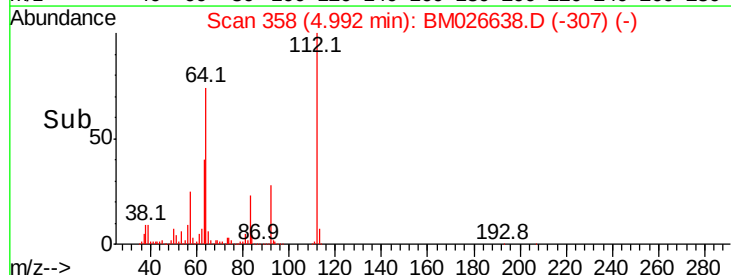
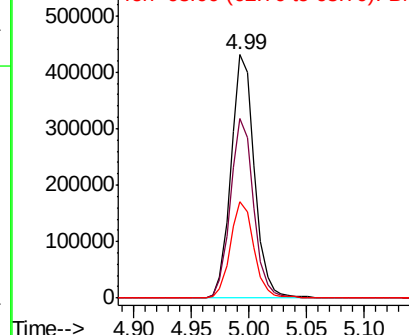


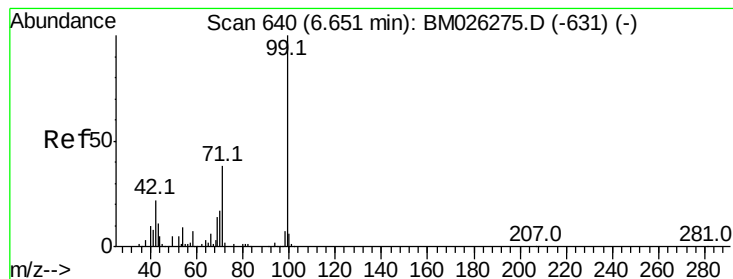
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 103.591 ng

RT: 6.56 min Scan# 625

Delta R.T. -0.00 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

Instrument :

BNA_M

ClientSampleId :

EPEC-POLYMERS-04

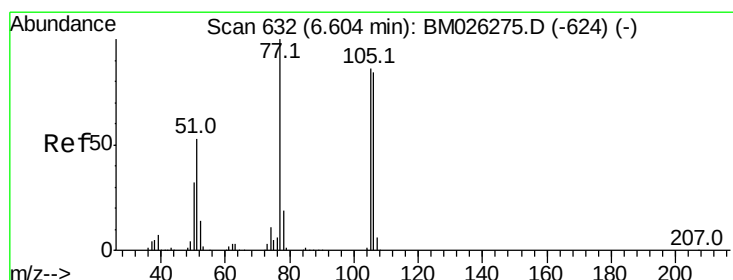
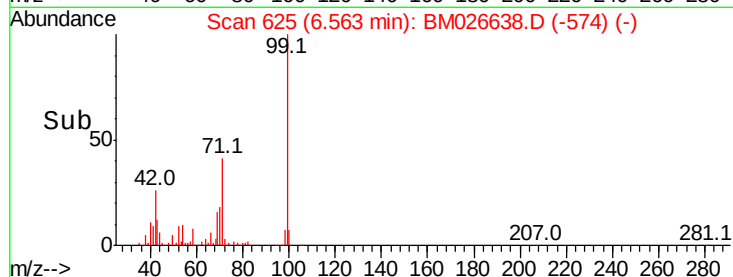
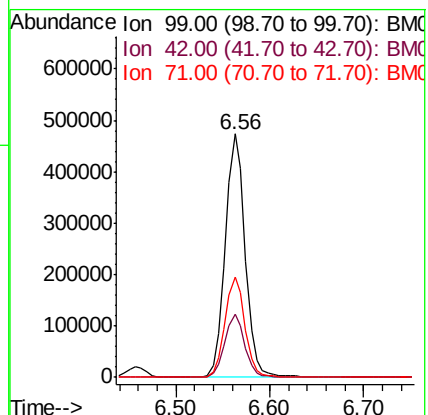
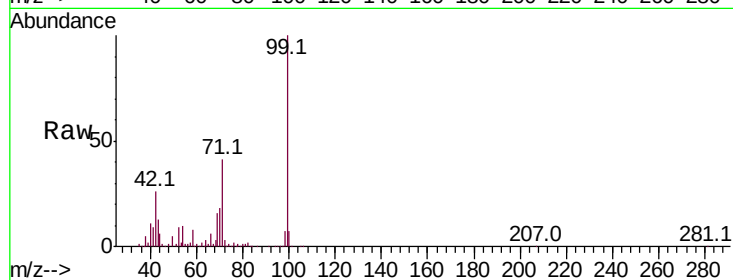
Tot Ion: 99 Resp: 698636

Ion Ratio Lower Upper

99 100

42 26.0 17.8 26.6

71 41.3 31.0 46.4



#9

Benzaldehyde

Concen: 2.973 ng

RT: 6.52 min Scan# 618

Delta R.T. 0.01 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

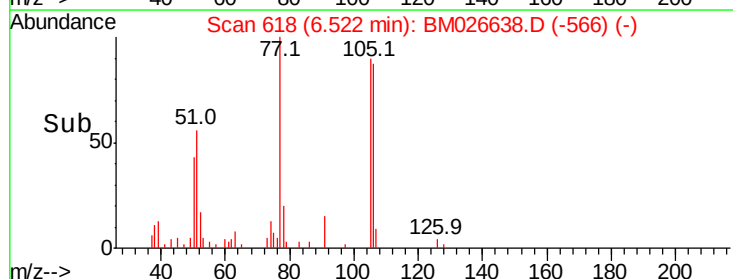
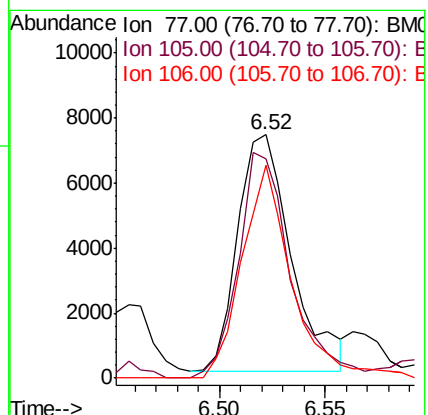
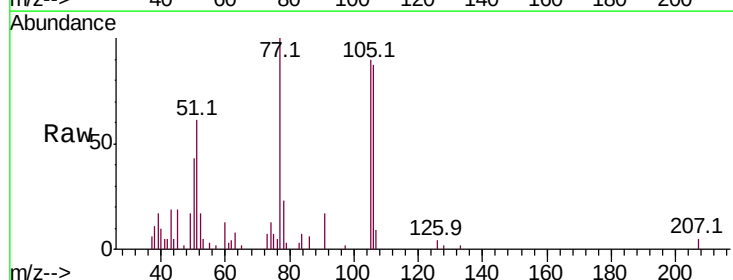
Tgt Ion: 77 Resp: 12787

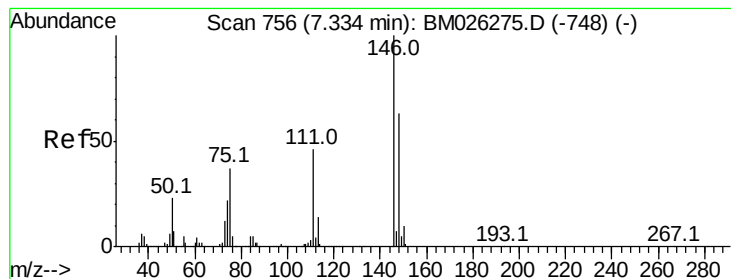
Ion Ratio Lower Upper

77 100

105 90.1 71.5 111.5

106 87.3 64.7 104.7





#12

1,3-Dichlorobenzene

Concen: 2.431 ng

RT: 7.25 min Scan# 741

Delta R.T. -0.00 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

Instrument :

BNA_M

ClientSampleId :

EPEC-POLYMERS-04

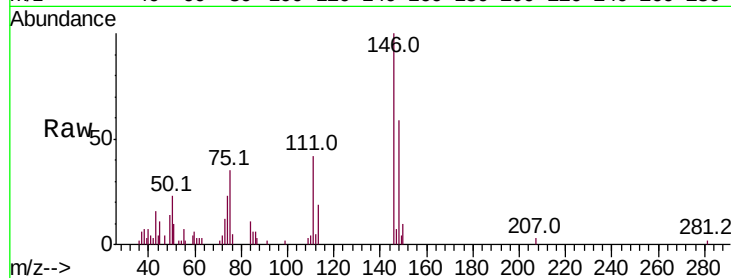
Tot Ion:146 Resp: 14459

Ion Ratio Lower Upper

146 100

148 59.0 50.3 75.5

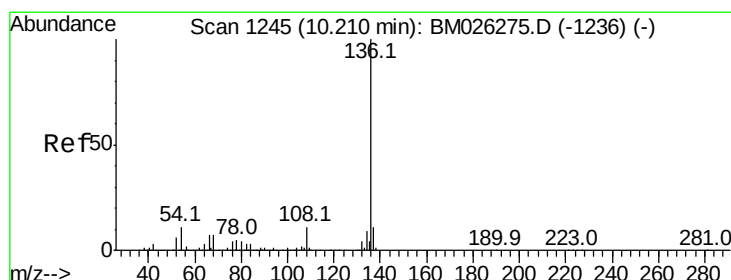
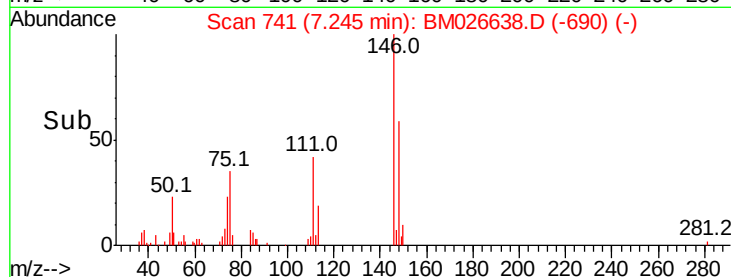
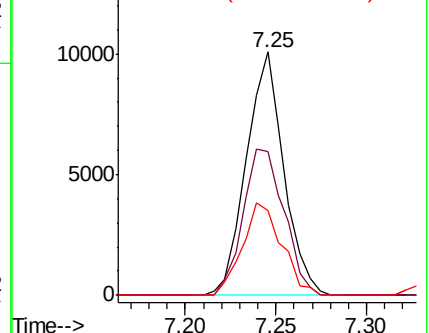
75 35.0 29.0 43.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.11 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

Tgt Ion:136 Resp: 306337

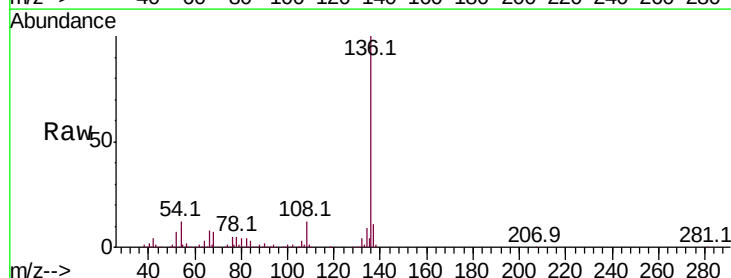
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 11.9 9.0 13.6

68 6.5 5.6 8.4

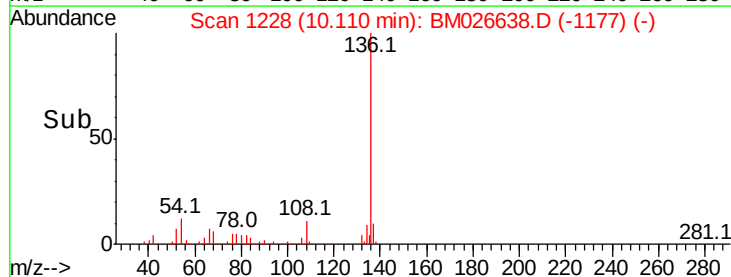
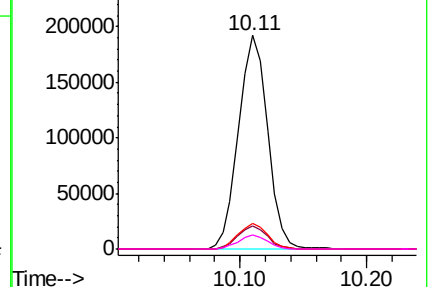


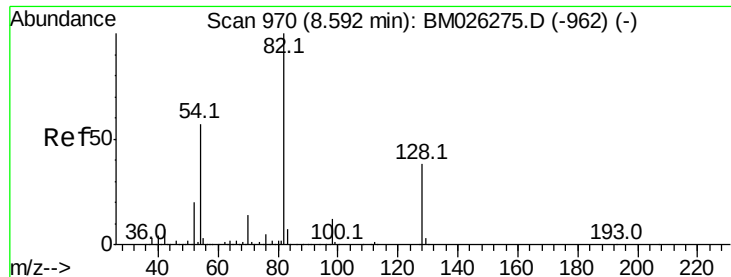
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM

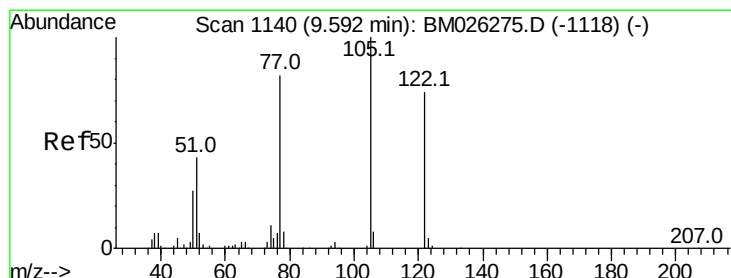
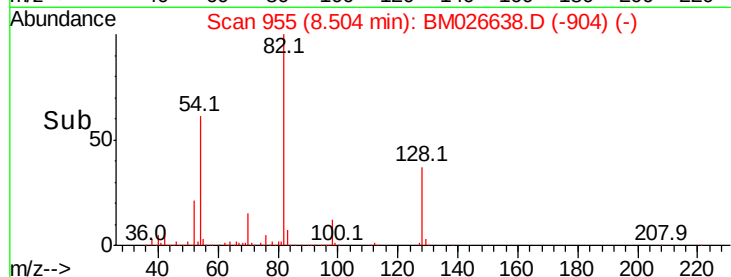
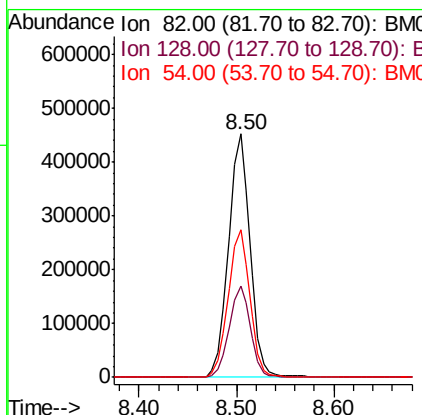
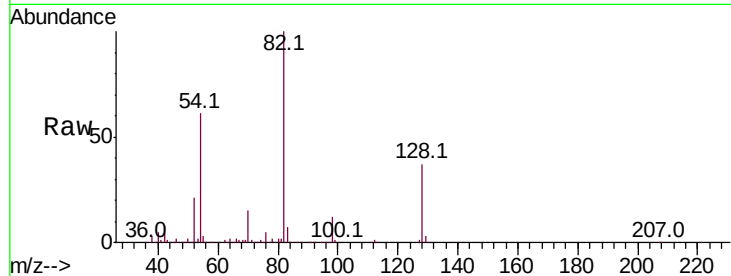




#23
 Nitrobenzene-d5
 Concen: 111.214 ng
 RT: 8.50 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

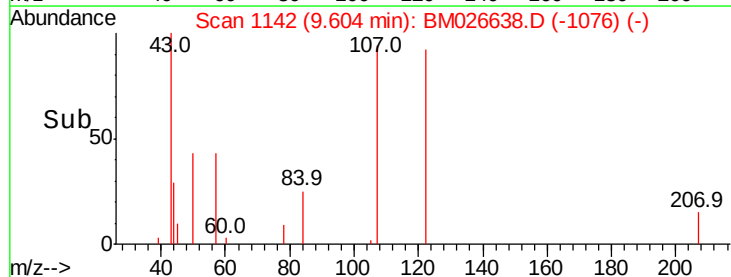
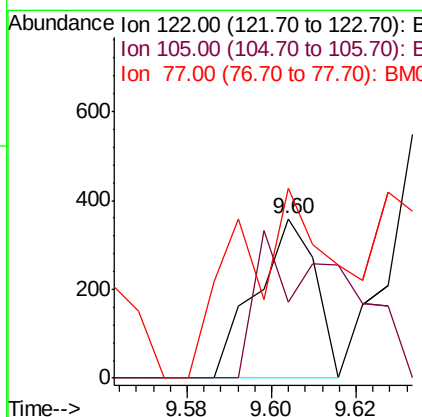
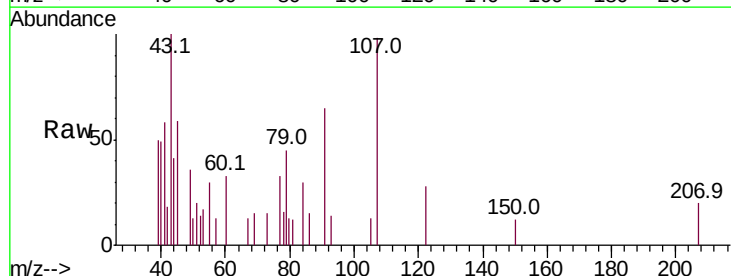
Instrument :
 BNA_M
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 EPEC-POLYMERS-04

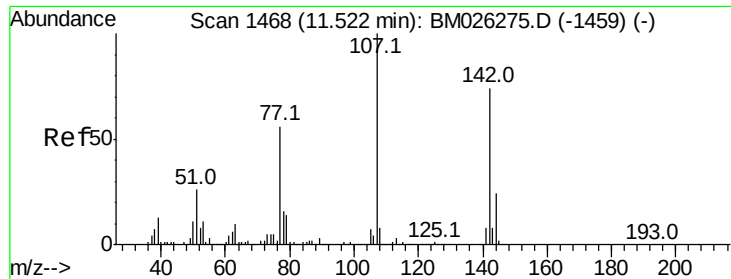
Tot Ion: 82 Resp: 693872
 Ion Ratio Lower Upper
 82 100
 128 37.3 31.0 46.6
 54 60.8 45.4 68.2



#32
 Benzoic acid
 Concen: 5.259 ng
 RT: 9.60 min Scan# 1142
 Delta R.T. 0.09 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

Tgt Ion: 122 Resp: 351
 Ion Ratio Lower Upper
 122 100
 105 47.4 108.9 148.9#
 77 118.9 90.1 130.1

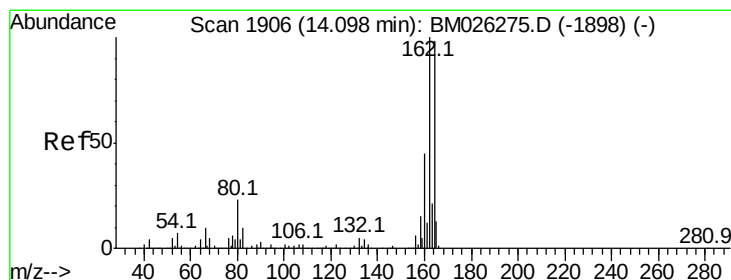
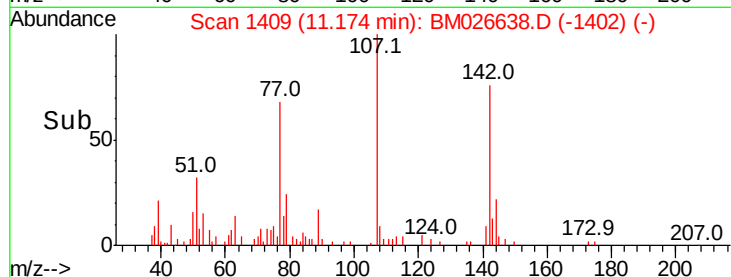
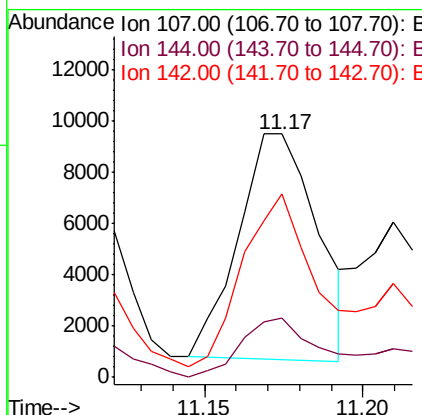
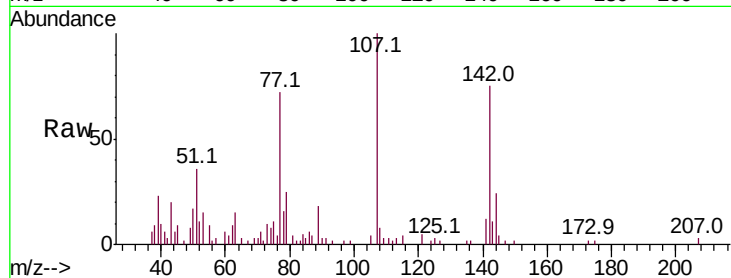




#36
 4-Chloro-3-methylphenol
 Concen: 2.796 ng
 RT: 11.17 min Scan# 1409
 Delta R.T. -0.26 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

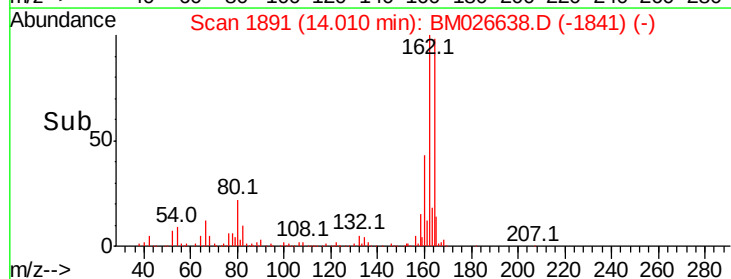
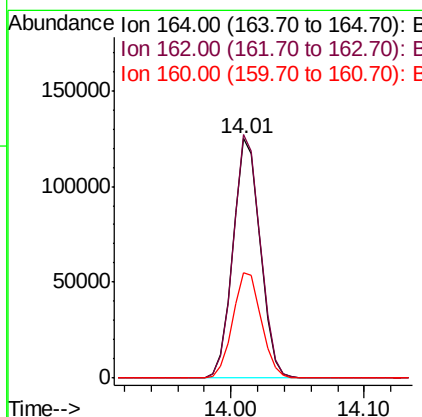
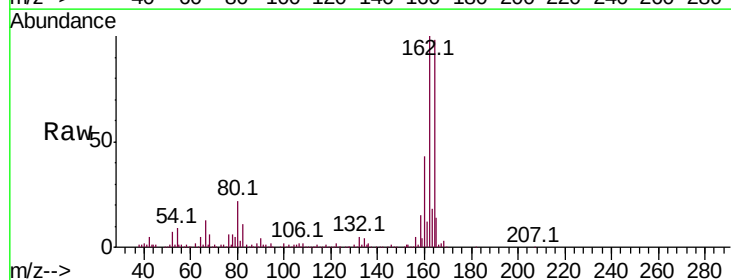
Instrument :
 BNA_M
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 EPEC-POLYMERS-04

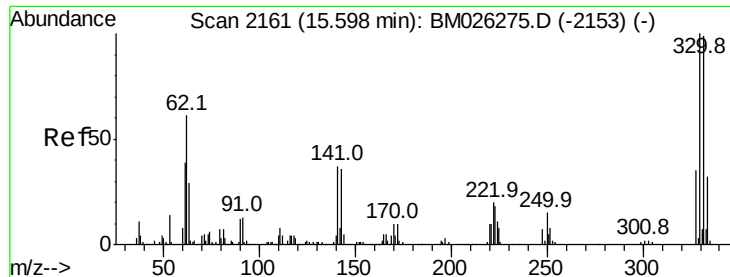
Tot Ion:107 Resp: 15253
 Ion Ratio Lower Upper
 107 100
 144 24.3 18.7 28.1
 142 75.3 57.7 86.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.01 min Scan# 1891
 Delta R.T. -0.01 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

Tgt Ion:164 Resp: 177965
 Ion Ratio Lower Upper
 164 100
 162 101.6 77.7 116.5
 160 43.7 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 173.399 ng

RT: 15.52 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

Instrument :

BNA_M

ClientSampleId :

EPEC-POLYMERS-04

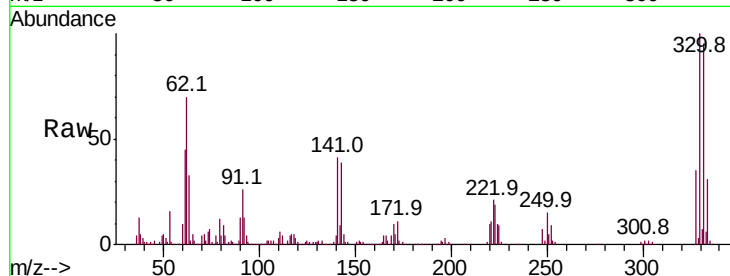
Tot Ion:330 Resp: 373811

Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

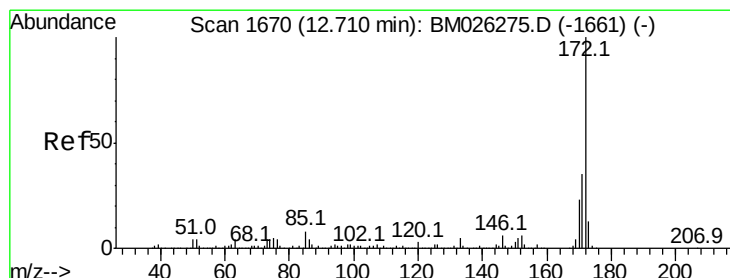
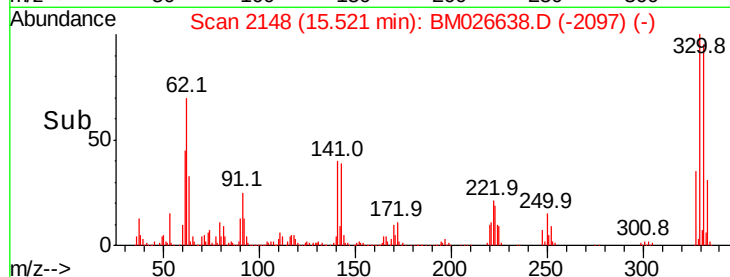
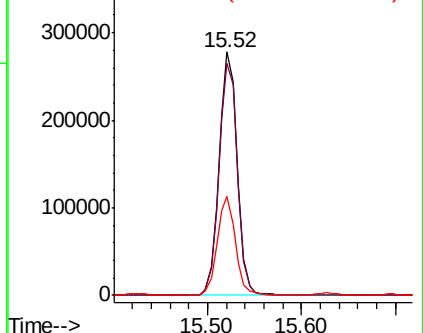
141 41.5 29.7 44.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 115.016 ng

RT: 12.62 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

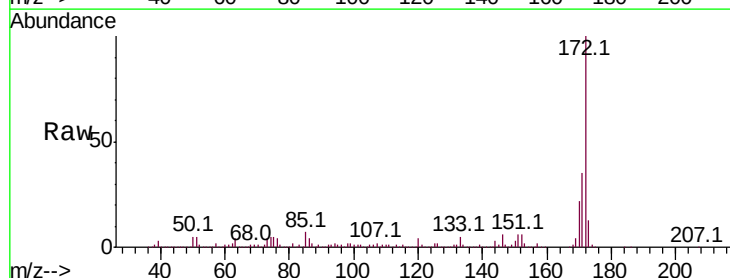
Tgt Ion:172 Resp: 1348442

Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.8

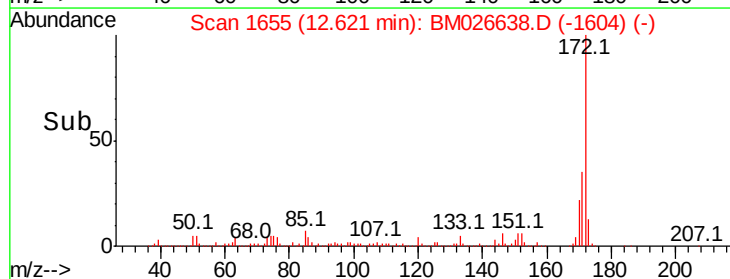
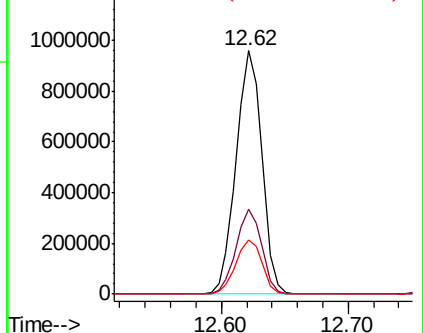
170 22.5 18.2 27.4

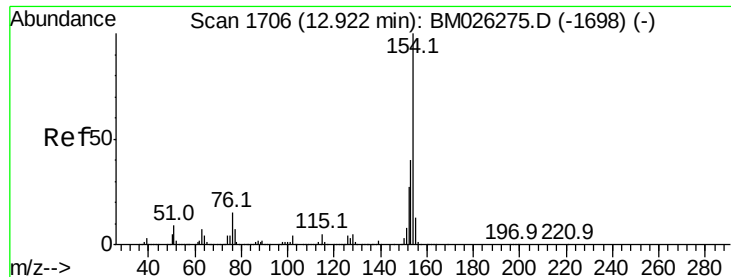


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

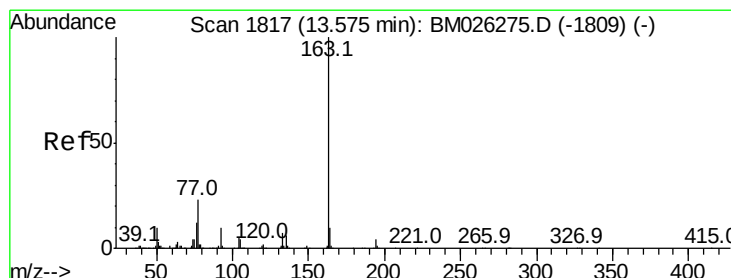
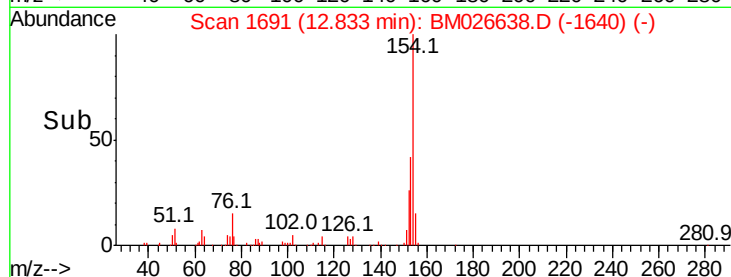
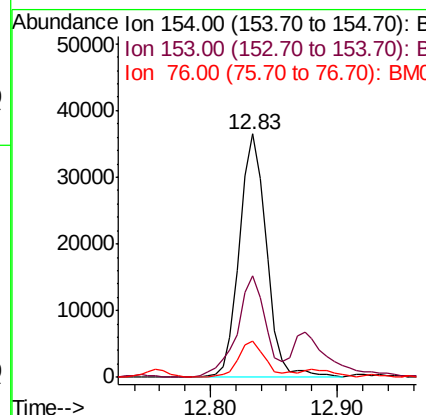
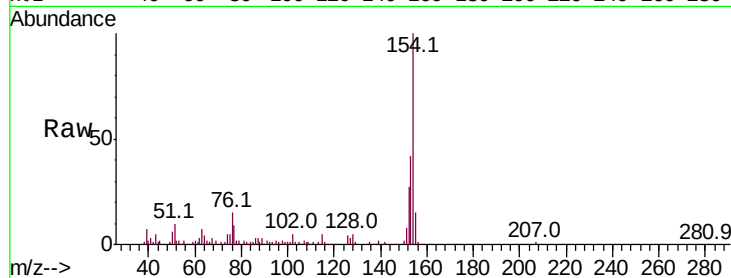




#46
 1,1'-Biphenyl
 Concen: 4.333 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

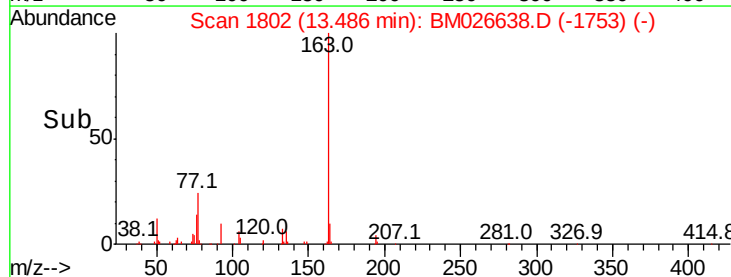
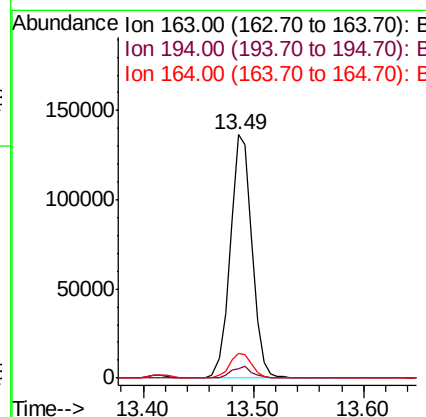
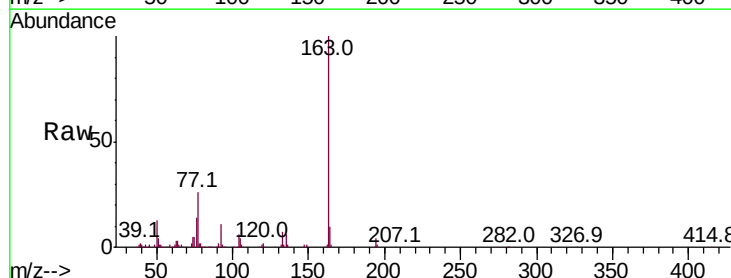
Instrument :
 BNA_M
 ClientSampleId :
 EPEC-POLYMERS-04

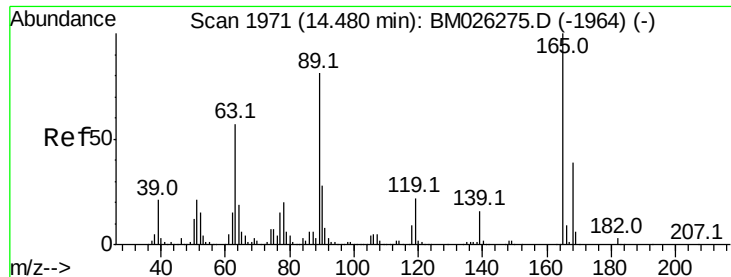
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.8	20.0	60.0
76	15.0	0.0	34.6



#50
 Dimethylphthalate
 Concen: 14.430 ng
 RT: 13.49 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.0	7.8	11.8





#57

2,4-Dinitrotoluene

Concen: 10.429 ng

RT: 14.39 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

Instrument :

BNA_M

ClientSampleId :

EPEC-POLYMERS-04

Tot Ion:165 Resp: 41418

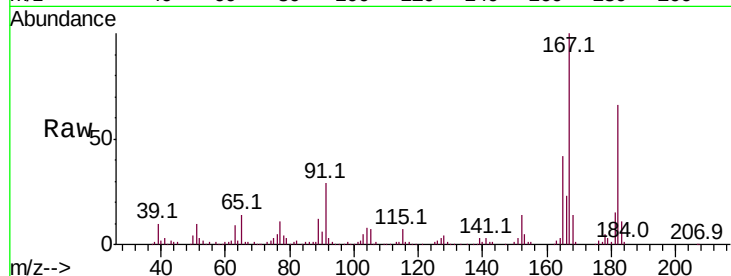
Ion Ratio Lower Upper

165 100

63 21.9 48.1 72.1#

89 28.0 65.6 98.4#

182 156.3 2.7 4.1#

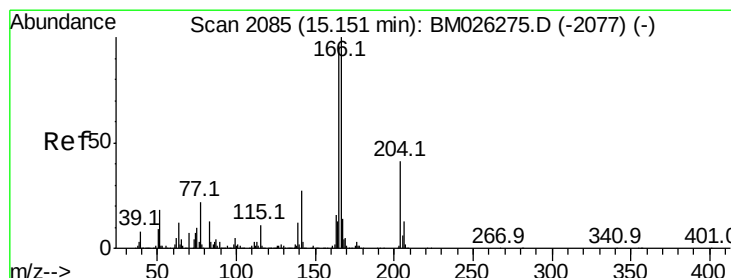
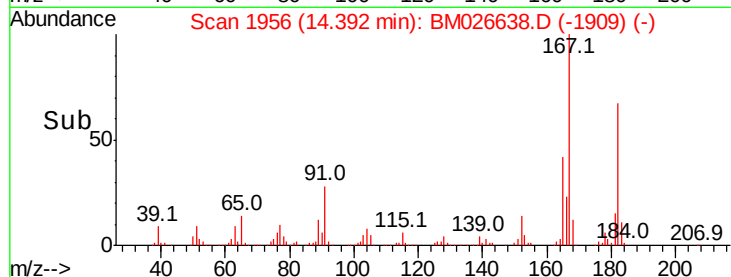
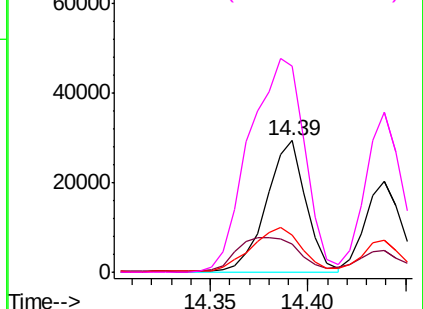


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 6.970 ng

RT: 15.07 min Scan# 2072

Delta R.T. -0.00 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

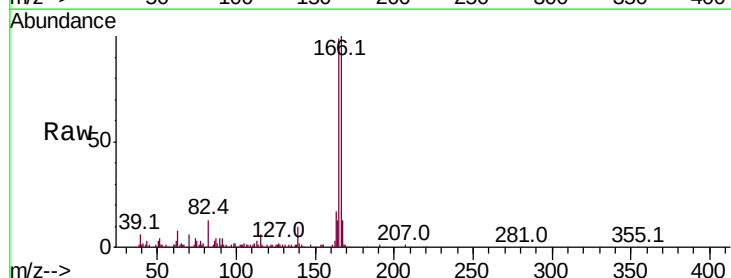
Tgt Ion:166 Resp: 88768

Ion Ratio Lower Upper

166 100

165 99.3 77.5 116.3

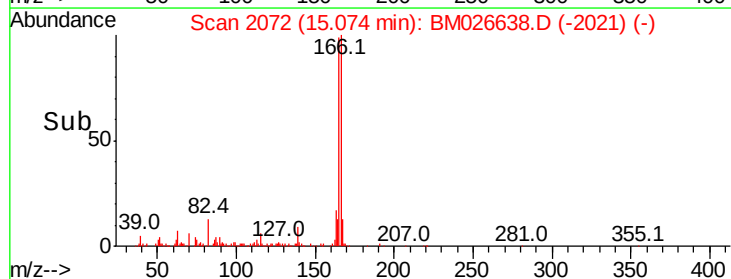
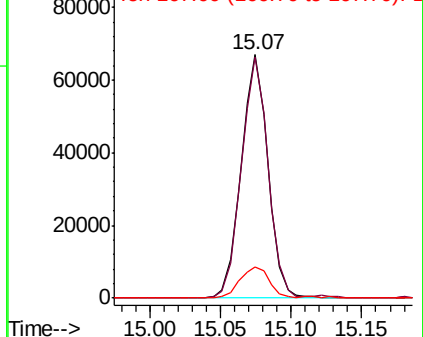
167 12.9 10.9 16.3

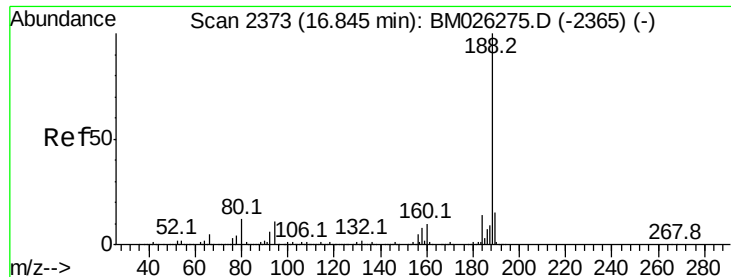


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

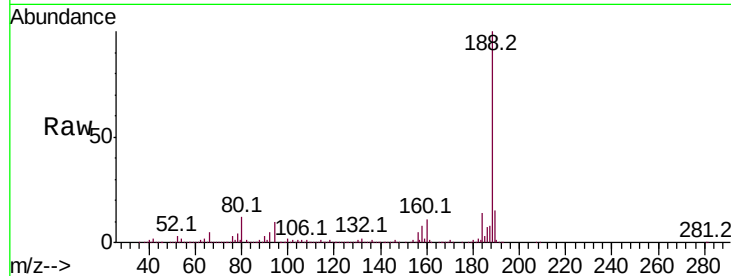




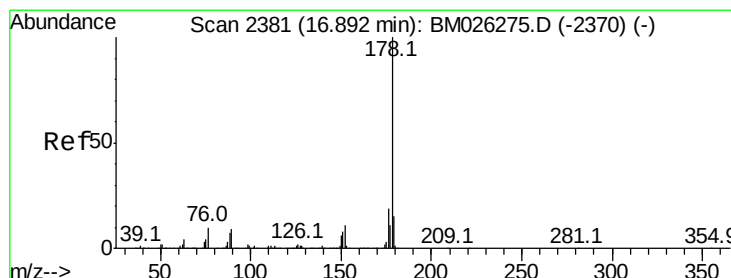
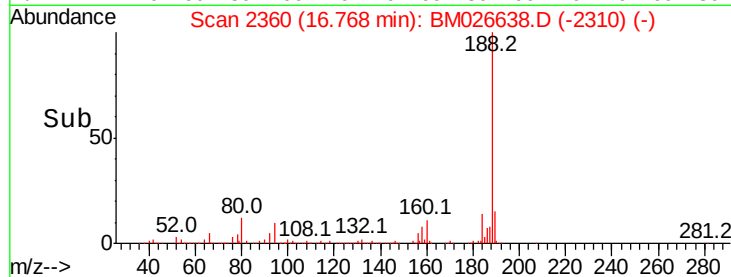
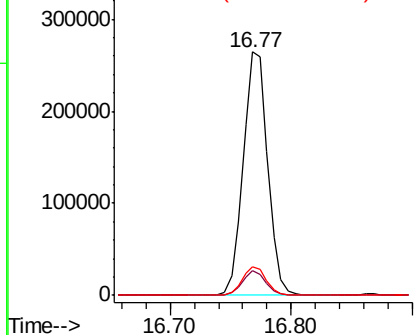
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.77 min Scan# 2360
Delta R.T. -0.01 min
Lab File: BM026638.D
Acq: 01 Jul 2020 15:58

Instrument :
BNA_M
ClientSampleId :
EPEC-POLYMERS-04

Tot Ion:188 Resp: 374145
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 11.7 9.5 14.3

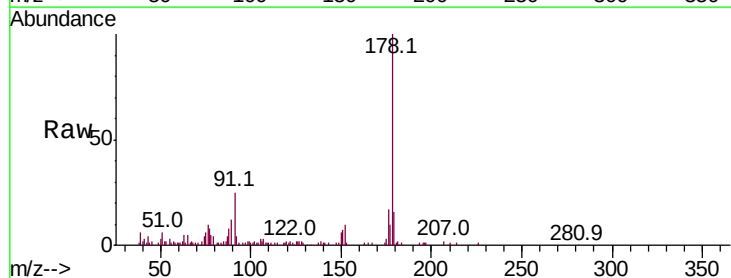


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

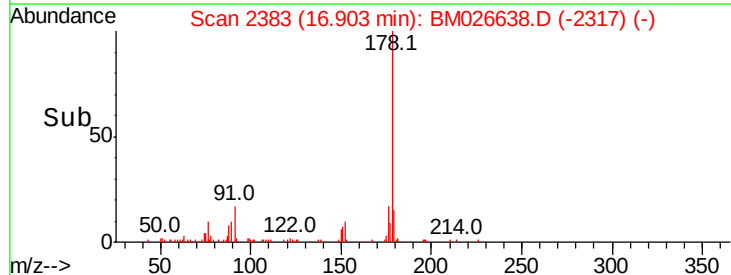
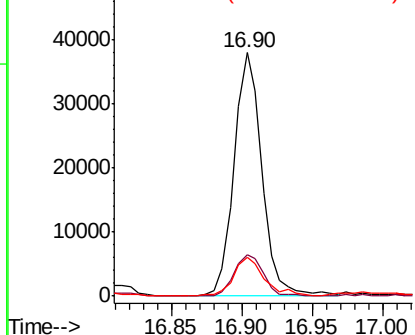


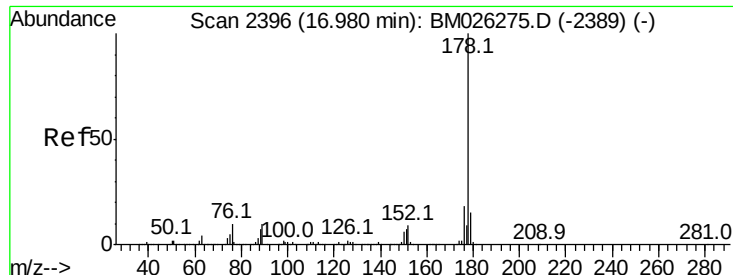
#71
Phenanthrene
Concen: 2.677 ng
RT: 16.90 min Scan# 2383
Delta R.T. 0.09 min
Lab File: BM026638.D
Acq: 01 Jul 2020 15:58

Tgt Ion:178 Resp: 52156
Ion Ratio Lower Upper
178 100
176 17.0 15.1 22.7
179 15.9 12.3 18.5



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: 2.682 ng

RT: 16.90 min Scan# 2383

Delta R.T. -0.00 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

Instrument :

BNA_M

ClientSampleId :

EPEC-POLYMERS-04

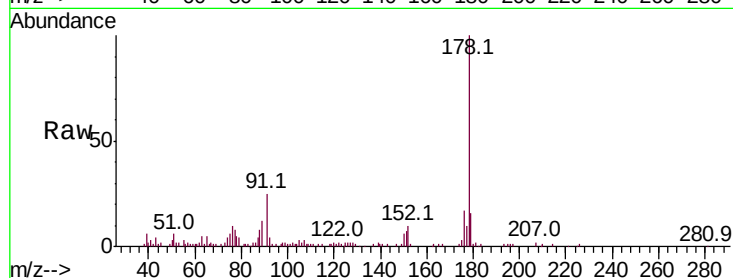
Tot Ion:178 Resp: 52156

Ion Ratio Lower Upper

178 100

176 17.0 14.5 21.7

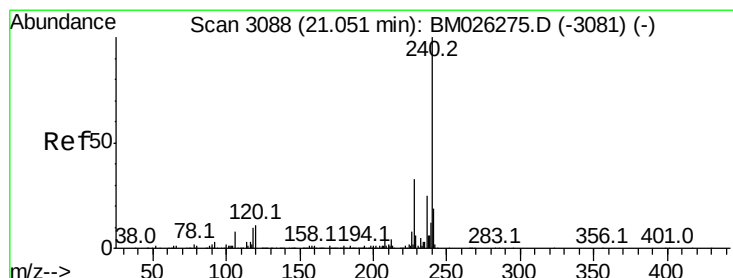
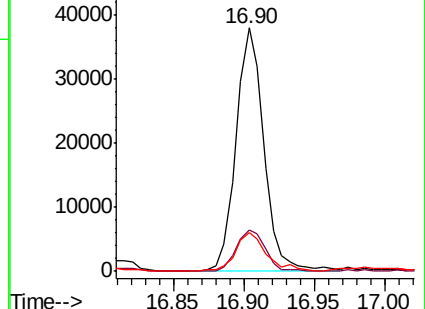
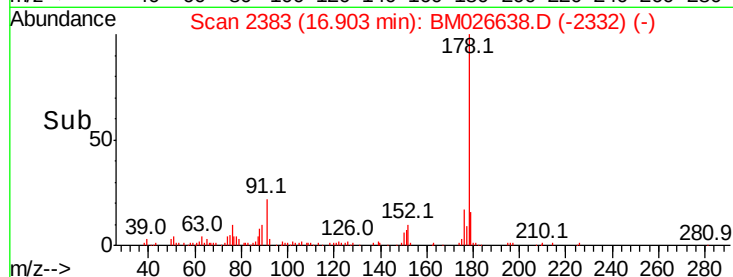
179 15.9 12.3 18.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.99 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BM026638.D

Acq: 01 Jul 2020 15:58

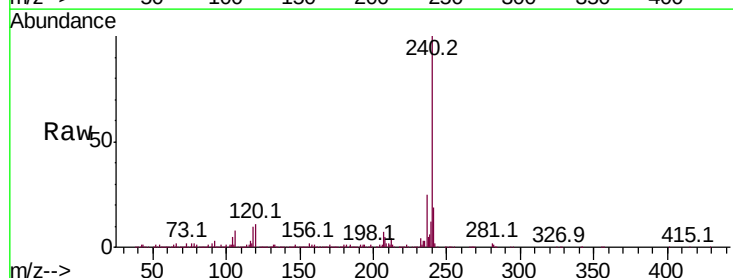
Tgt Ion:240 Resp: 437696

Ion Ratio Lower Upper

240 100

120 10.6 9.3 13.9

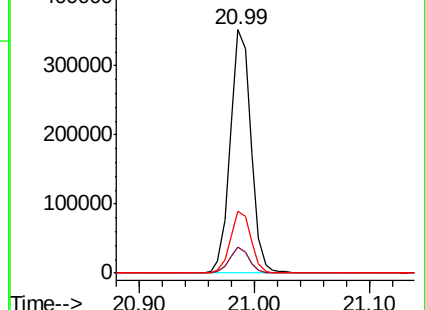
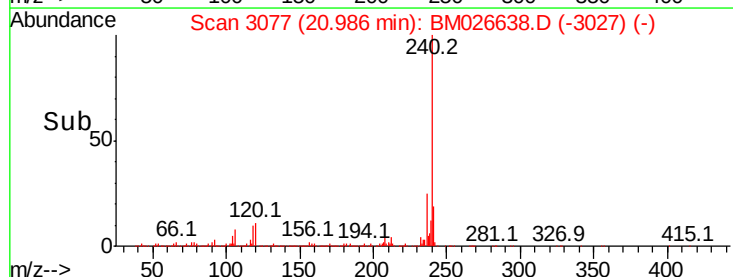
236 25.4 19.4 29.0

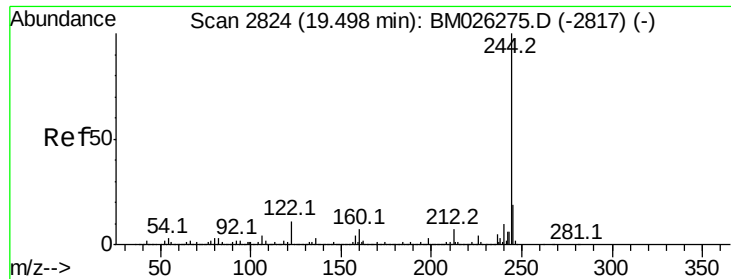


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

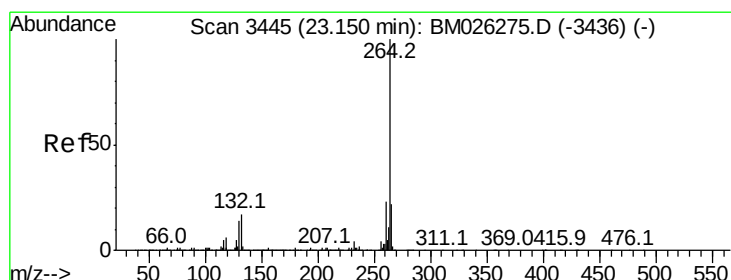
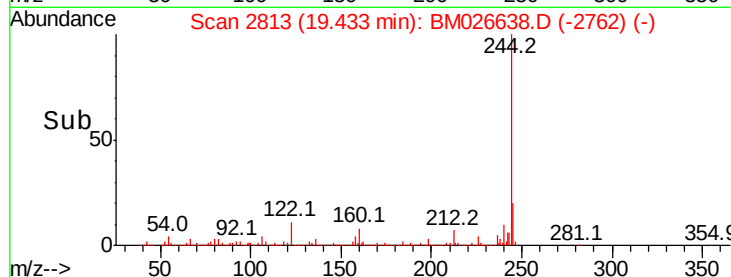
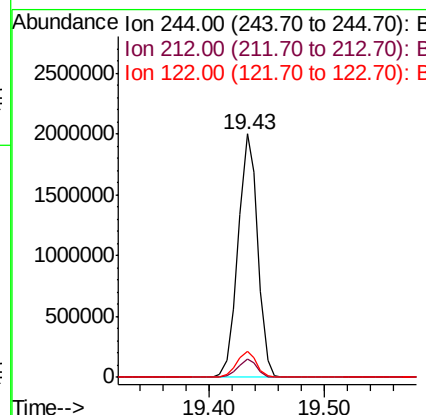
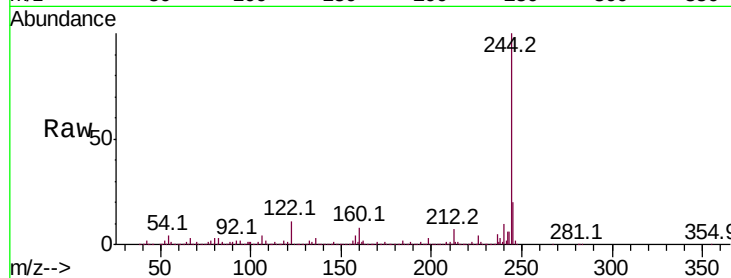




#79
 Terphenyl-d14
 Concen: 103.866 ng
 RT: 19.43 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

Instrument :
 BNA_M
 ClientSampleId :
 EPEC-POLYMERS-04

Tot Ion:244 Resp: 2341960
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.9 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.07 min Scan# 3431
 Delta R.T. -0.00 min
 Lab File: BM026638.D
 Acq: 01 Jul 2020 15:58

Tgt Ion:264 Resp: 466075
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 28.0
 265 21.8 17.8 26.6

