

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
 Data File : BG045890.D
 Acq On : 30 Jun 2020 18:46
 Operator : CG/JU
 Sample : L3148-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPEC-POLYMERS-05

Manual Integrations
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Sohil
 7/7/2020 8:17:11 AM

Quant Time: Jul 01 09:45:04 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	7.90	152	61858	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	233610	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	176205	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	307378	20.00	ng	0.01
76) Chrysene-d12	21.56	240	295319	20.00	ng	0.00
86) Perylene-d12	24.67	264	316420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	242293	66.17	ng	0.01
7) Phenol-d6	7.12	99	340848	61.19	ng	0.00
23) Nitrobenzene-d5	9.07	82	257690	50.39	ng	0.01
42) 2,4,6-Tribromophenol	16.06	330	160823	60.45	ng	0.01
45) 2-Fluorobiphenyl	13.17	172	558021	46.54	ng	0.00
79) Terphenyl-d14	19.92	244	808161	55.46	ng	0.00
Target Compounds						
9) Benzaldehyde	7.05	77	22411m	6.699	ng	Qvalue
13) 1,4-Dichlorobenzene	7.93	146	84905	18.198	ng	96
14) 1,2-Dichlorobenzene	8.25	146	76757	17.184	ng	98
30) 1,2,4-Trichlorobenzene	10.57	180	23267	4.857	ng	95
31) Naphthalene	10.76	128	183237	14.347	ng	97
37) 2-Methylnaphthalene	12.38	142	193948	20.393	ng	95
38) 1-Methylnaphthalene	12.60	142	192504m	21.390	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.72	216	39094	6.738	ng	# 95
46) 1,1'-Biphenyl	13.39	154	2342369	185.677	ng	88
50) Dimethylphthalate	14.01	163	58518	4.239	ng	# 96
55) Dibenzofuran	14.94	168	519965	32.351	ng	# 87
58) Fluorene	15.63	166	4659689	348.653	ng	# 93
68) Hexachlorobenzene	16.62	284	29011	7.005	ng	97
70) Pentachlorophenol	16.98	266	1154	8.144	ng	95
71) Phenanthrene	17.35	178	92057m	5.807	ng	
72) Anthracene	17.44	178	819983m	51.943	ng	
74) Di-n-butylphthalate	18.27	149	72977	4.100	ng	# 94
80) Butylbenzylphthalate	20.61	149	25606	3.093	ng	# 21
84) Bis(2-ethylhexyl)phthalate	21.46	149	624621	54.250	ng	99

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

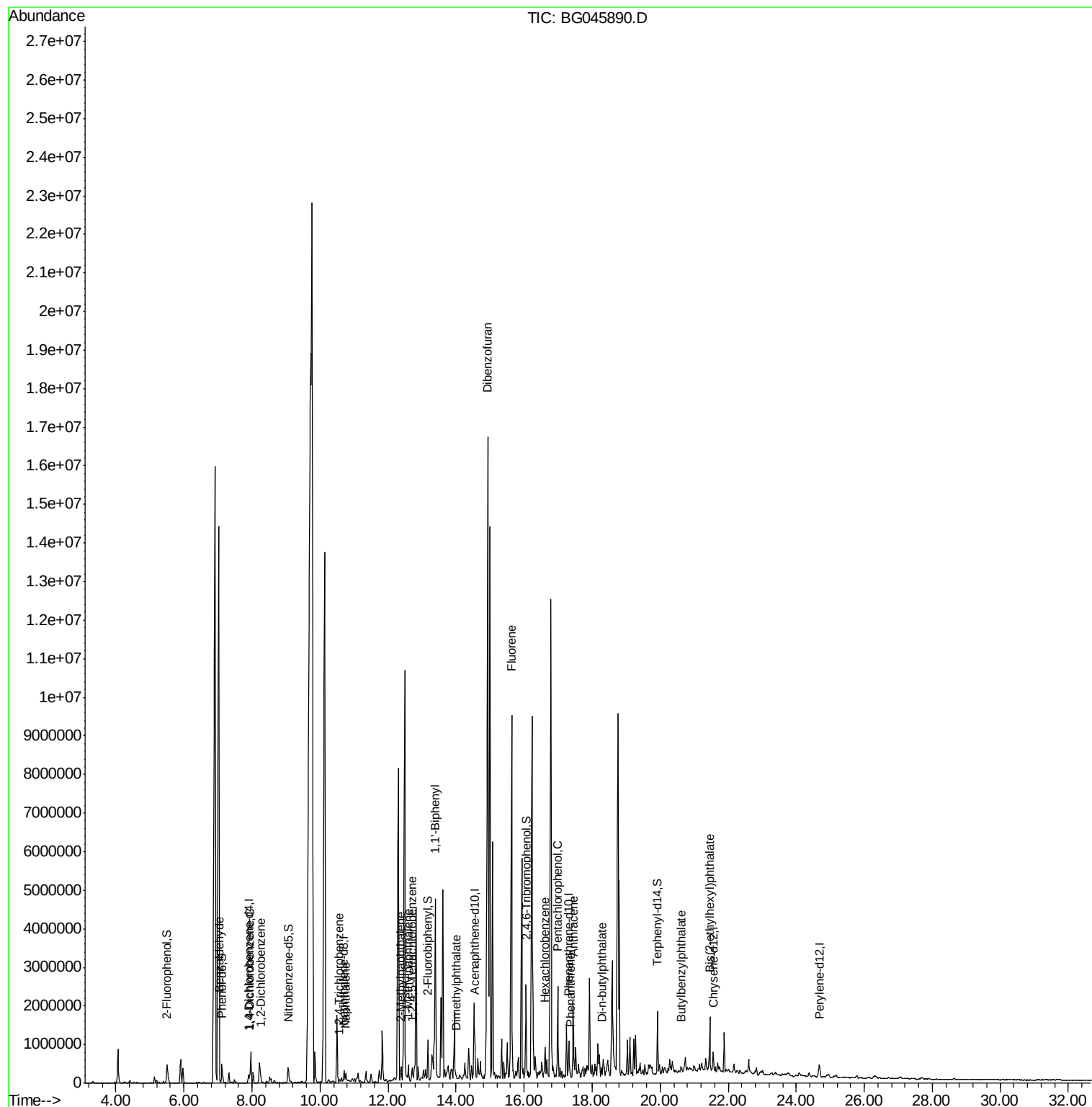
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
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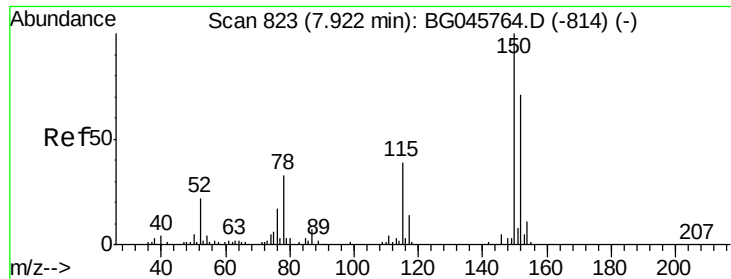
Instrument :
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ClientSampleId :
EPEC-POLYMERS-05

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

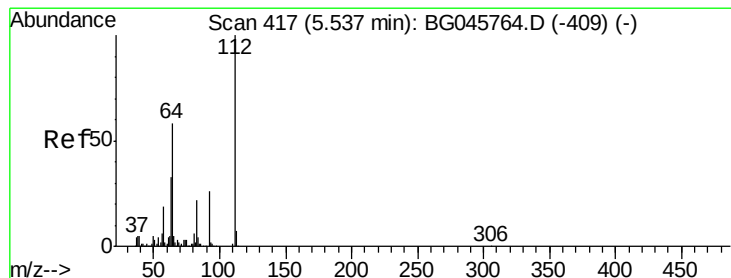
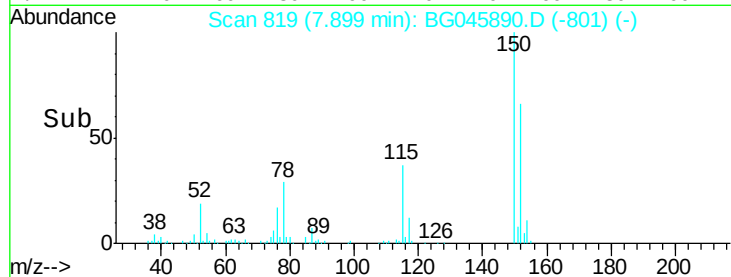
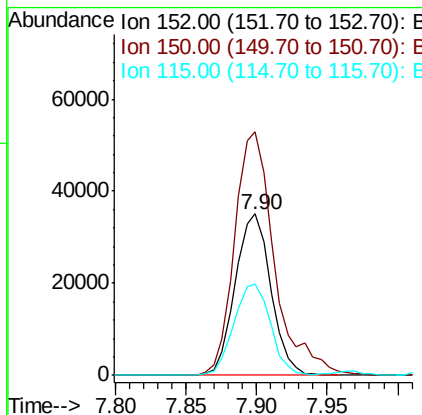
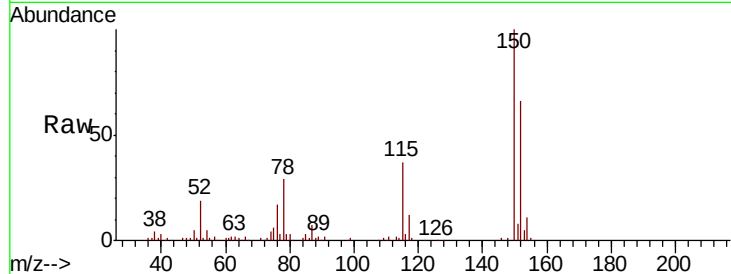
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	121.2	181.8
115	56.3	47.5	71.3

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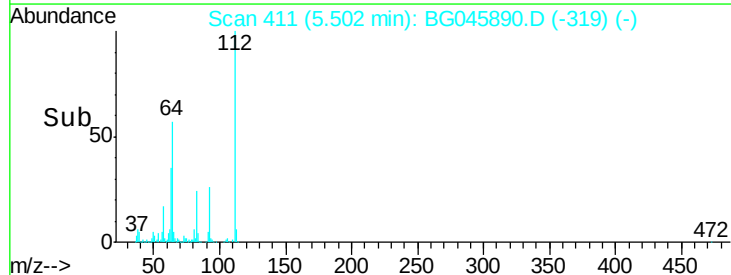
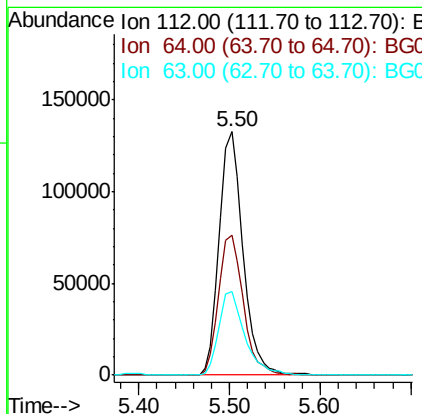
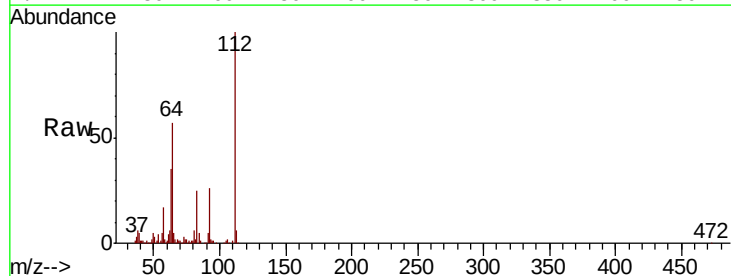
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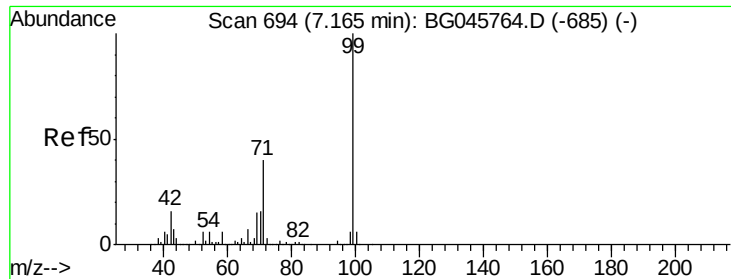


#5

2-Fluorophenol
Concen: 66.166 ng
RT: 5.50 min Scan# 411
Delta R.T. 0.01 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	48.5	72.7
63	34.5	26.5	39.7





#7

Phenol-d6

Concen: 61.193 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Instrument :

BNA_G

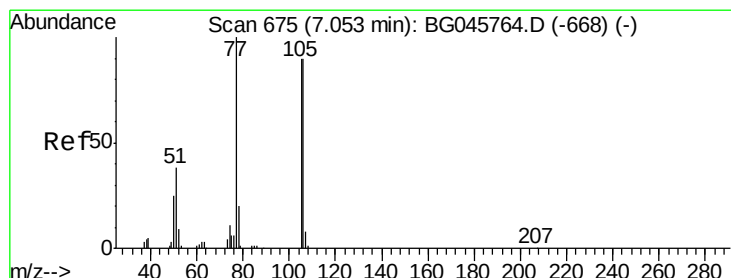
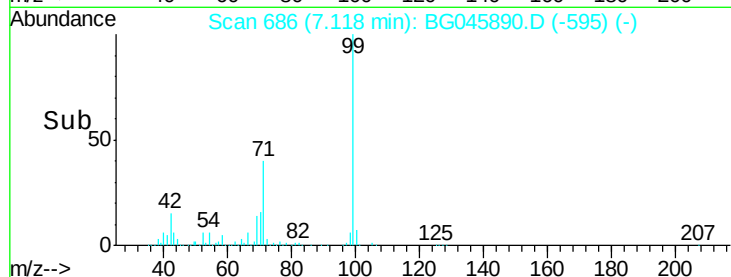
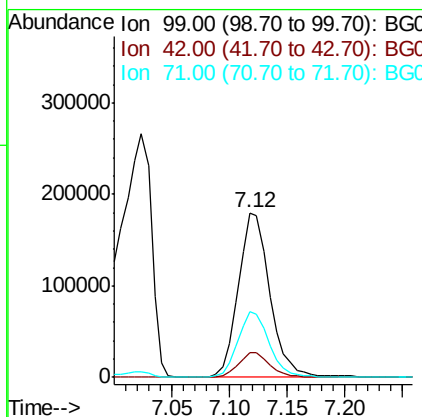
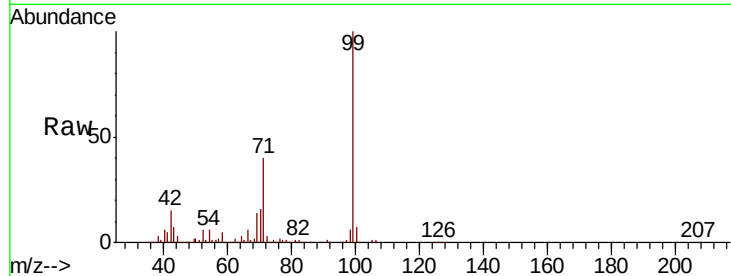
ClientSampleId :

EPEC-POLYMERS-05

Tot Ion:	99	Resp:	340848
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.0	18.0
71	39.7	31.0	46.4

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#9

Benzaldehyde

Concen: 6.699 ng m

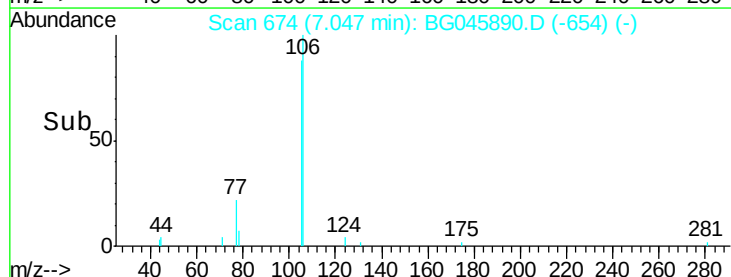
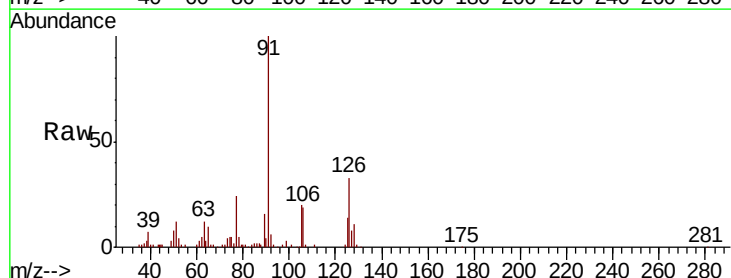
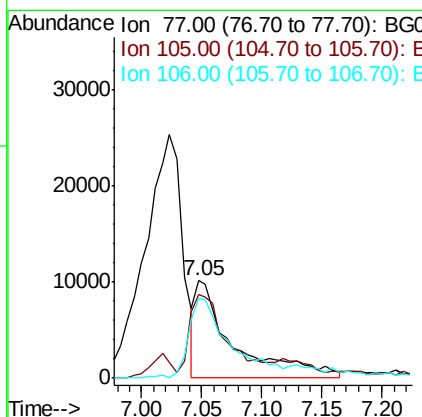
RT: 7.05 min Scan# 674

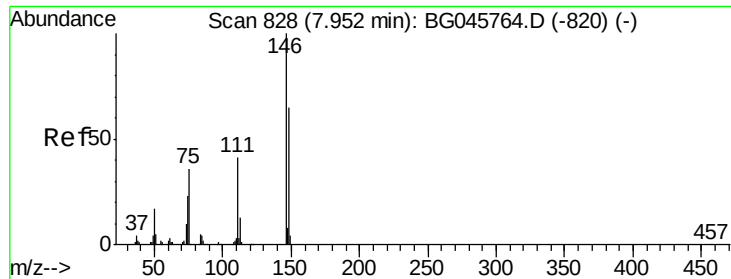
Delta R.T. 0.02 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Tgt Ion:	77	Resp:	22411
Ion Ratio	Lower	Upper	
77	100		
105	85.5	72.6	112.6
106	81.9	71.4	111.4





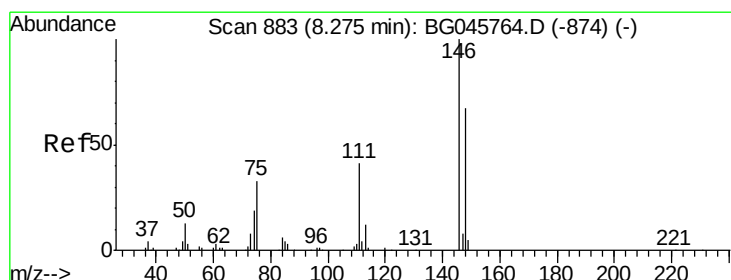
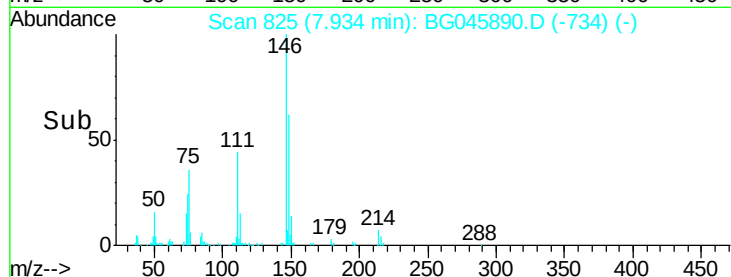
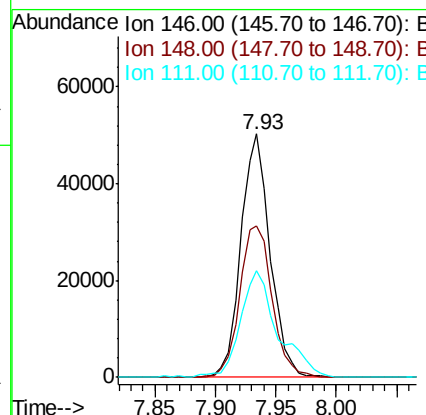
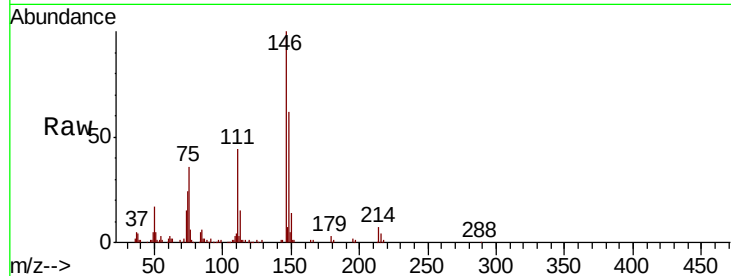
#13
 1,4-Dichlorobenzene
 Concen: 18.198 ng
 RT: 7.93 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BG045890.D
 Acq: 30 Jun 2020 18:46

Instrument :
 BNA_G
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.9	79.3
111	43.8	33.3	49.9

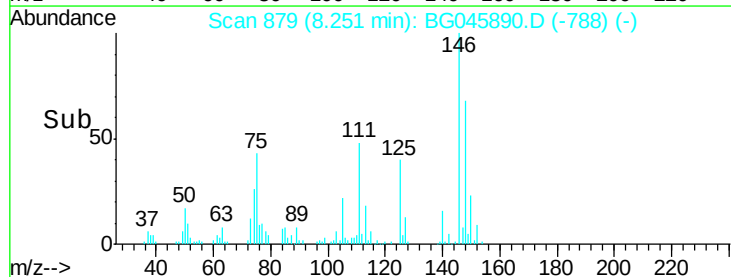
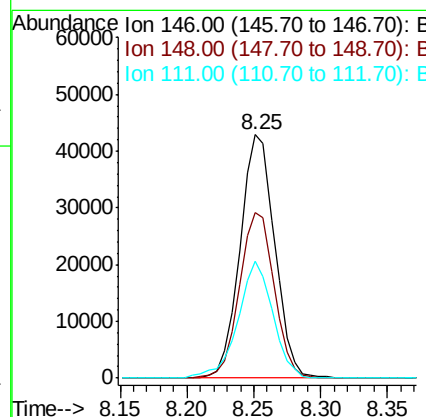
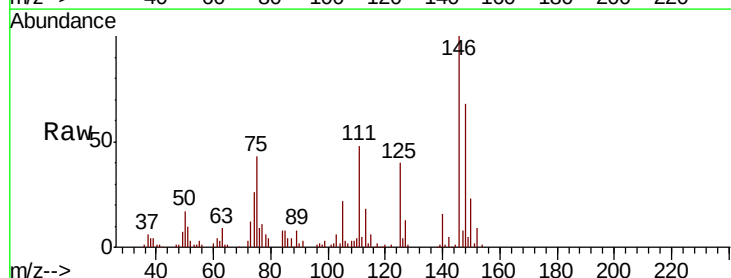
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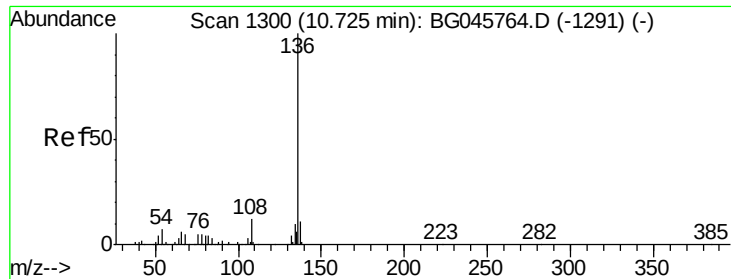
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#14
 1,2-Dichlorobenzene
 Concen: 17.184 ng
 RT: 8.25 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: BG045890.D
 Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.9	54.9	82.3
111	47.8	36.6	55.0





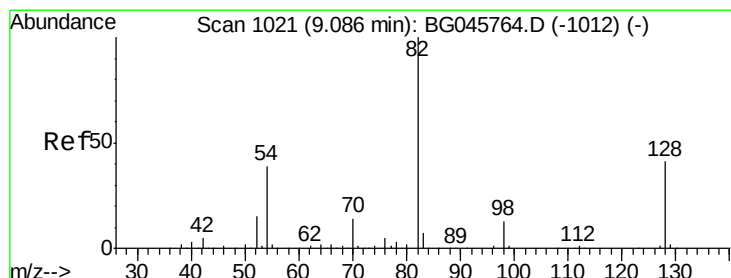
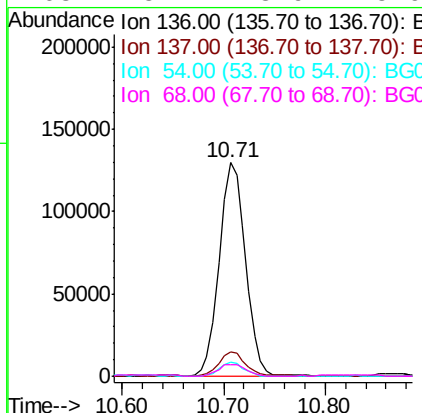
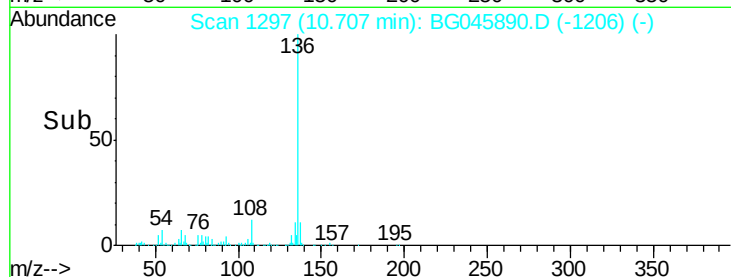
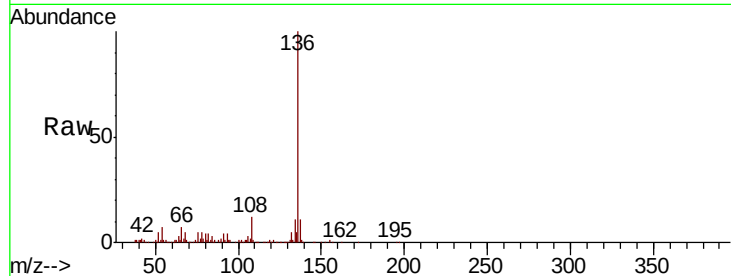
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.4	14.0	
54	6.5	4.9	7.3	
68	5.4	3.9	5.9	

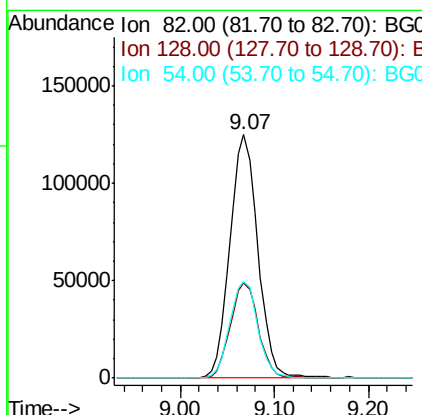
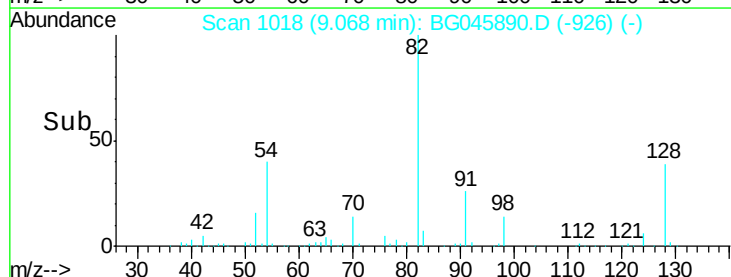
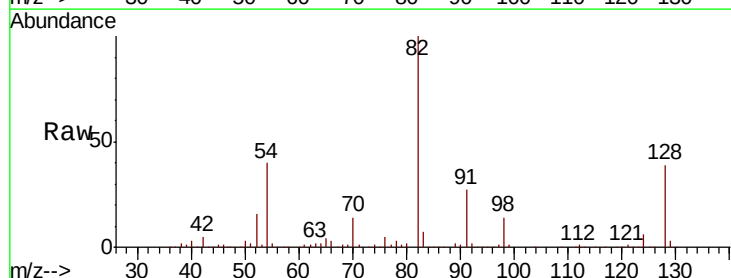
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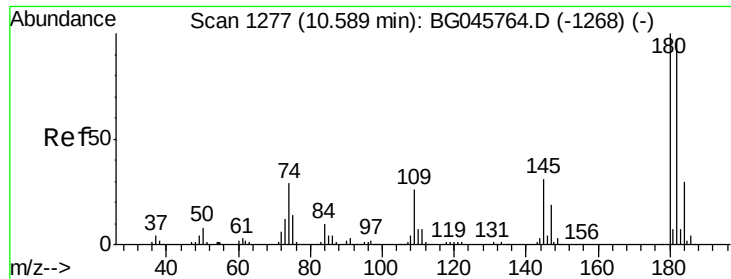
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#23
Nitrobenzene-d5
Concen: 50.392 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.3	31.3	46.9	
54	39.9	32.6	49.0	





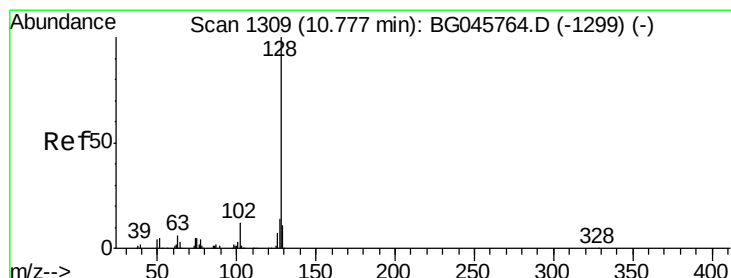
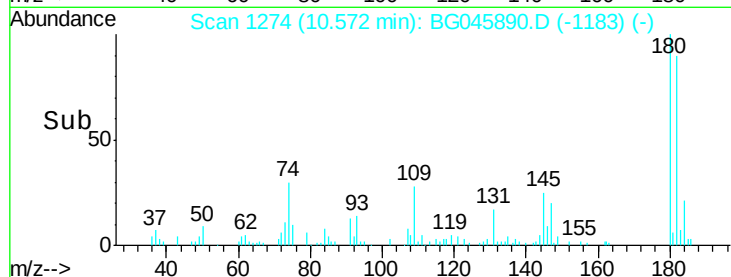
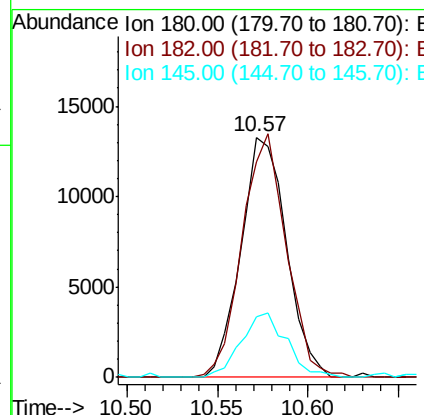
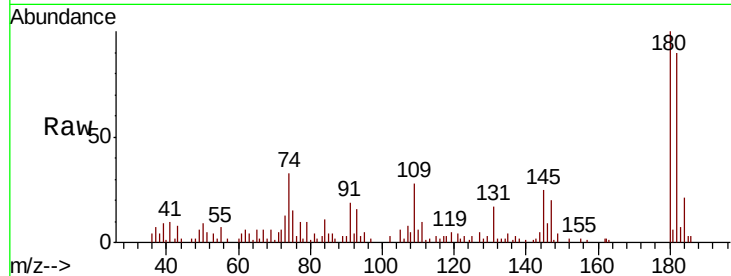
#30
 1,2,4-Trichlorobenzene
 Concen: 4.857 ng
 RT: 10.57 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: BG045890.D
 Acq: 30 Jun 2020 18:46

Instrument :
 BNA_G
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	75.0	112.4
145	25.1	22.9	34.3

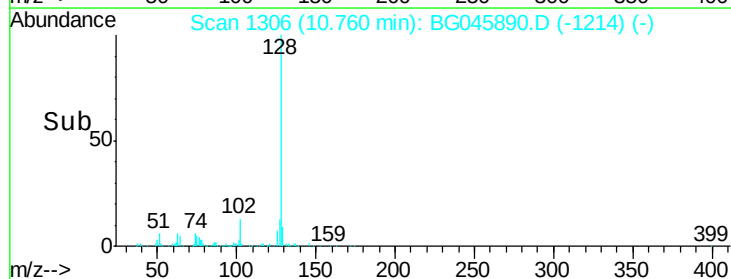
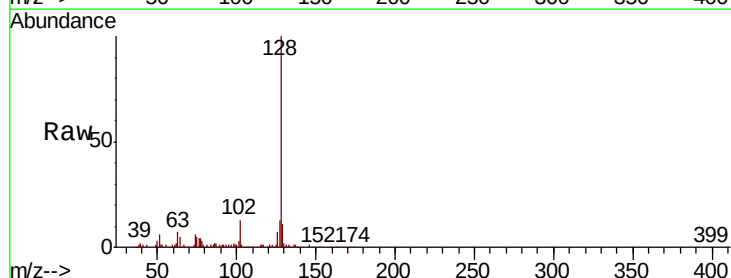
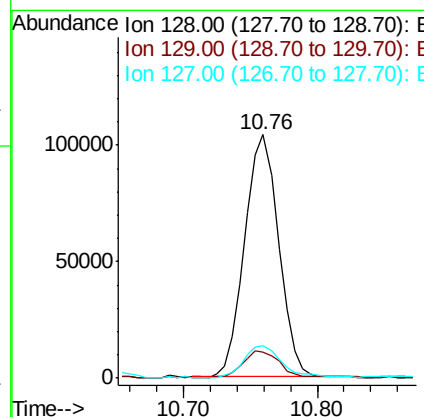
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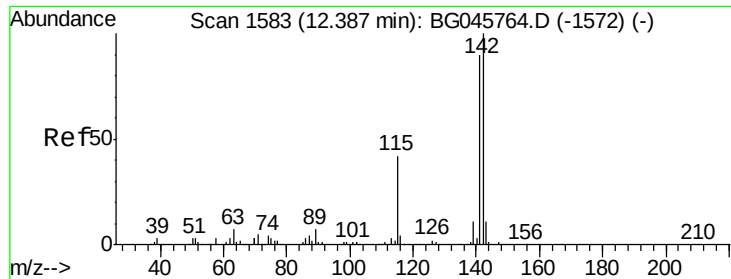
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#31
 Naphthalene
 Concen: 14.347 ng
 RT: 10.76 min Scan# 1306
 Delta R.T. 0.01 min
 Lab File: BG045890.D
 Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.8	14.8
127	13.2	11.1	16.7





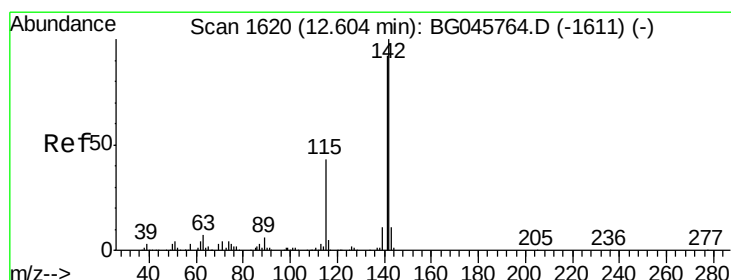
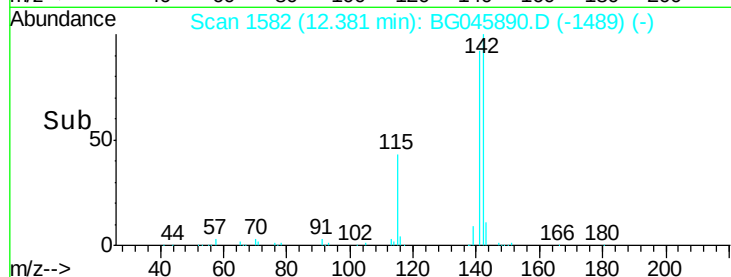
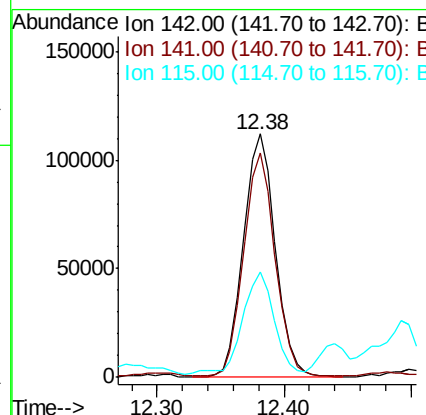
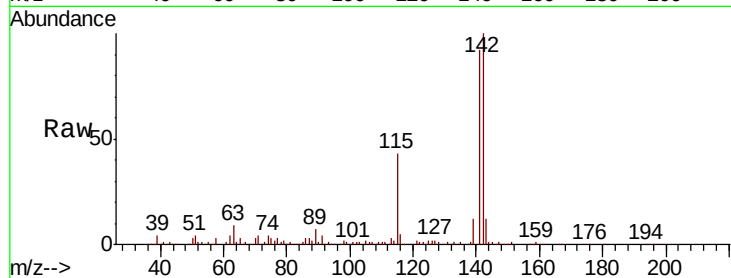
#37
2-Methylnaphthalene
Concen: 20.393 ng
RT: 12.38 min Scan# 1582
Delta R.T. 0.02 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.2	70.3	105.5
115	43.5	32.4	48.6

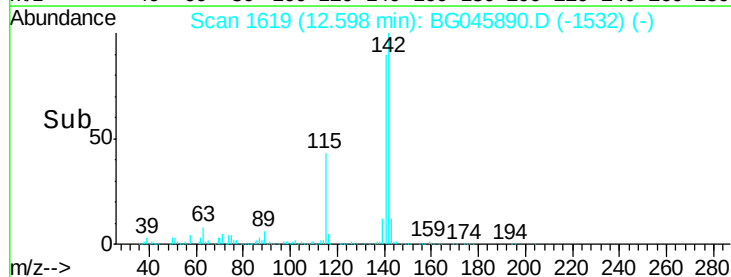
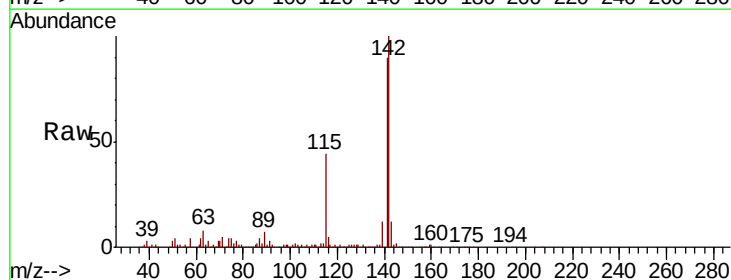
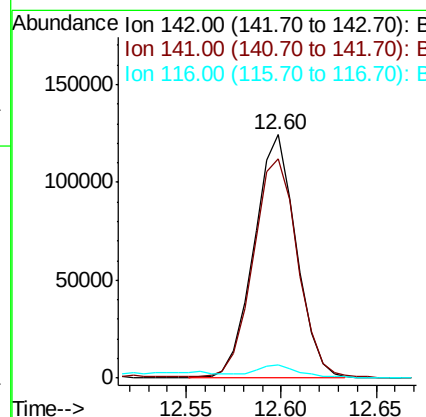
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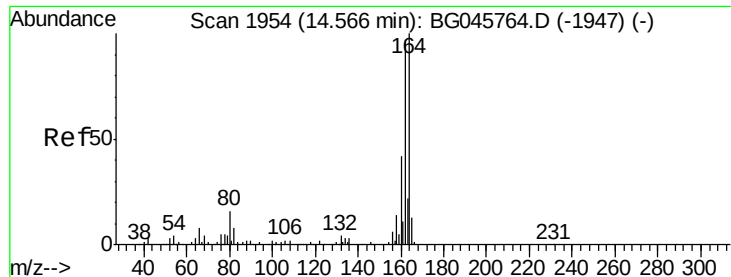
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#38
1-Methylnaphthalene
Concen: 21.390 ng m
RT: 12.60 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	73.0	109.4
116	5.2	3.4	5.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Instrument :

BNA_G

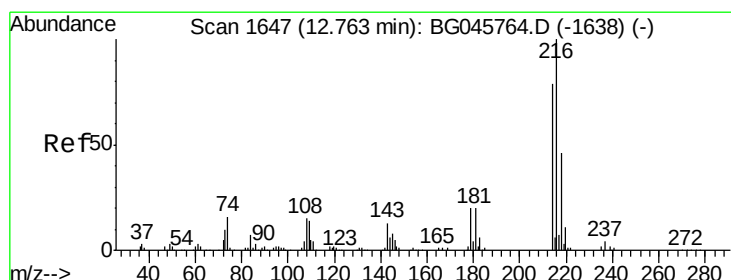
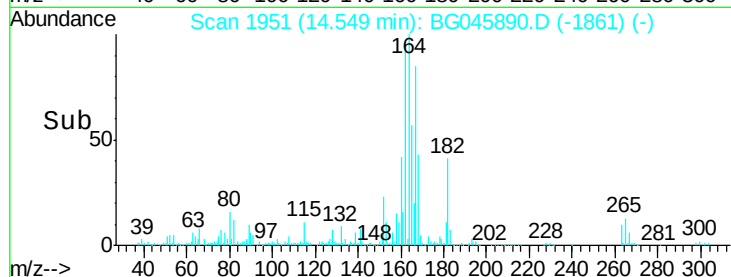
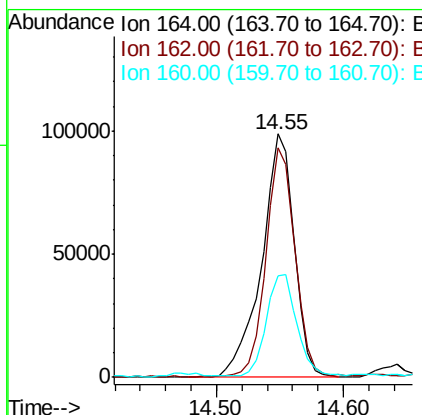
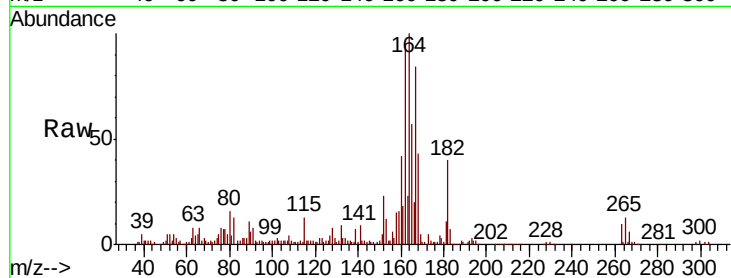
ClientSampleId :

EPEC-POLYMERS-05

Tot Ion:	164	Resp:	176205
Ion Ratio	Lower	Upper	
164	100		
162	94.4	80.6	120.8
160	41.6	35.0	52.4

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.738 ng

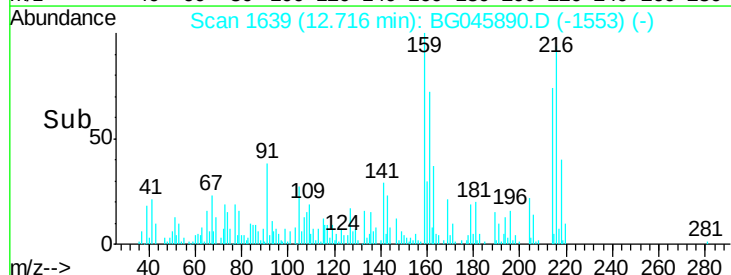
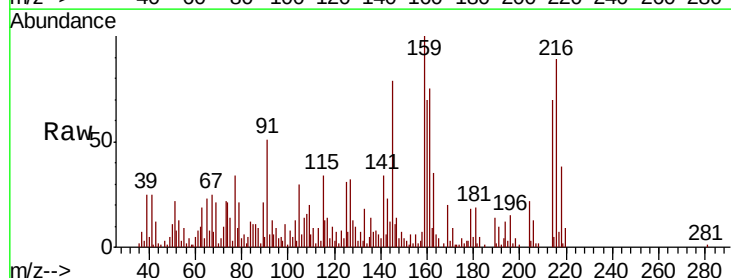
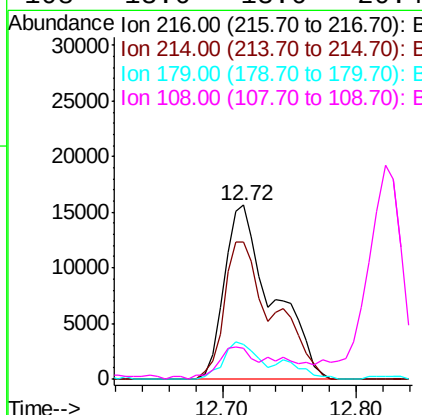
RT: 12.72 min Scan# 1639

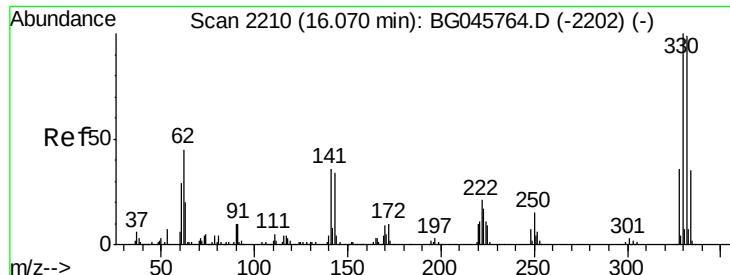
Delta R.T. -0.02 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Tgt Ion:	216	Resp:	39094
Ion Ratio	Lower	Upper	
216	100		
214	80.6	62.0	93.0
179	15.1	15.7	23.5#
108	13.6	13.6	20.4





#42

2,4,6-Tribromophenol

Concen: 60.454 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.01 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Instrument :

BNA_G

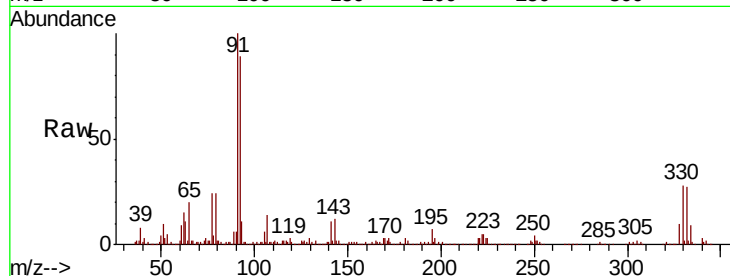
ClientSampleId :

EPEC-POLYMERS-05

Tot Ion:	330	Resp:	160823
Ion Ratio	Lower	Upper	
330	100		
332	98.2	76.6	114.8
141	38.1	27.7	41.5

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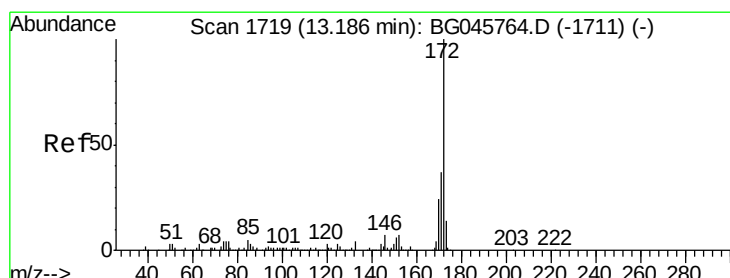
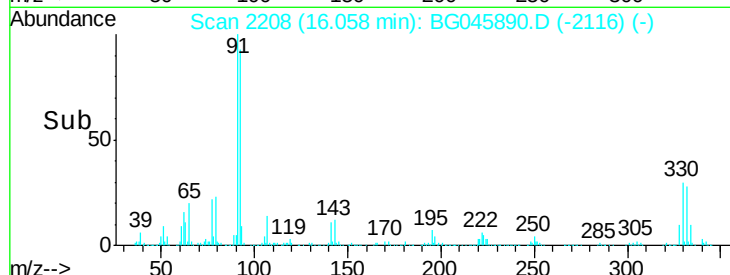
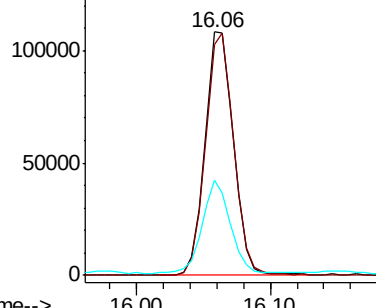


Abundance

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: 46.539 ng

RT: 13.17 min Scan# 1716

Delta R.T. -0.00 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

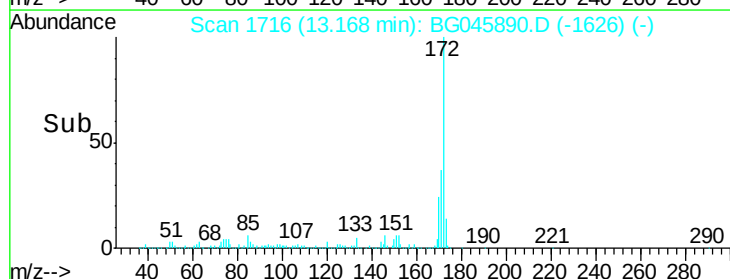
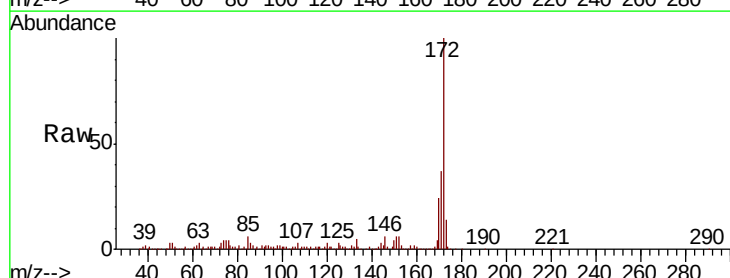
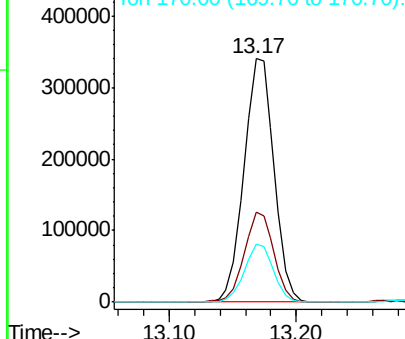
Tgt Ion:	172	Resp:	558021
Ion Ratio	Lower	Upper	
172	100		
171	36.8	28.9	43.3
170	23.8	19.1	28.7

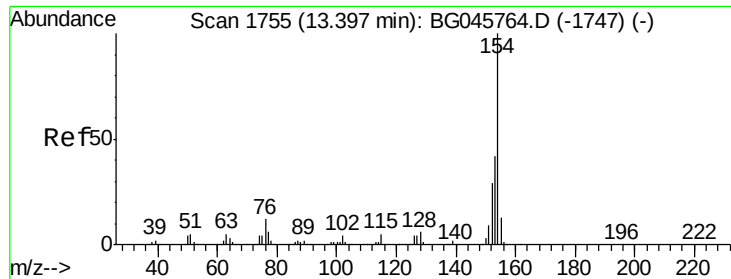
Abundance

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





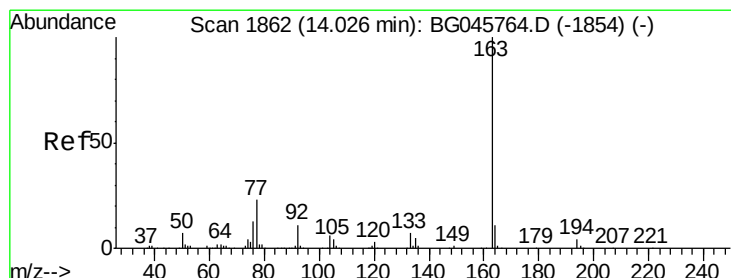
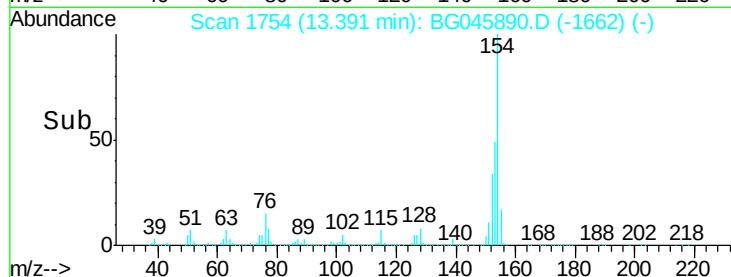
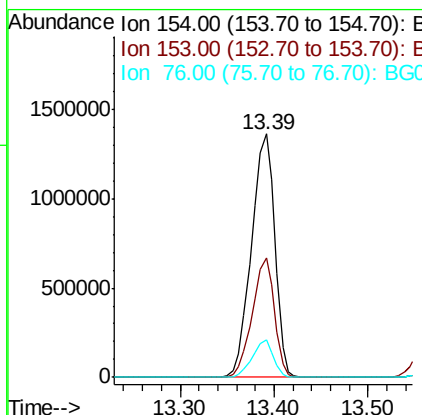
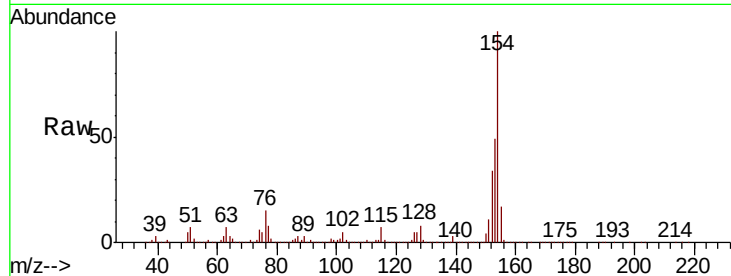
#46
1,1'-Biphenyl
Concen: 185.677 ng
RT: 13.39 min Scan# 1754
Delta R.T. 0.01 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion	Ratio	Lower	Upper
154	100		
153	49.1	20.5	60.5
76	15.5	0.0	32.6

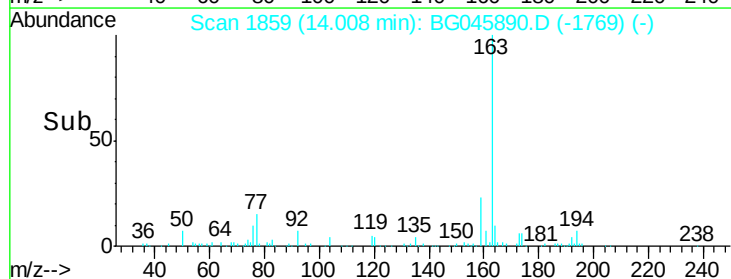
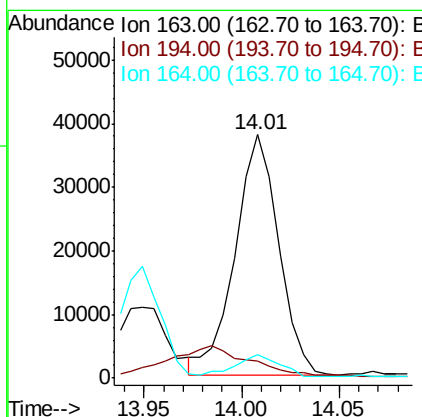
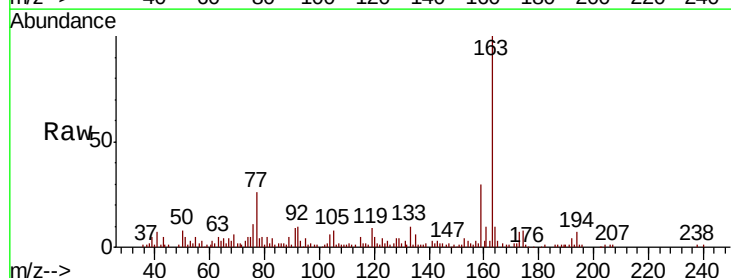
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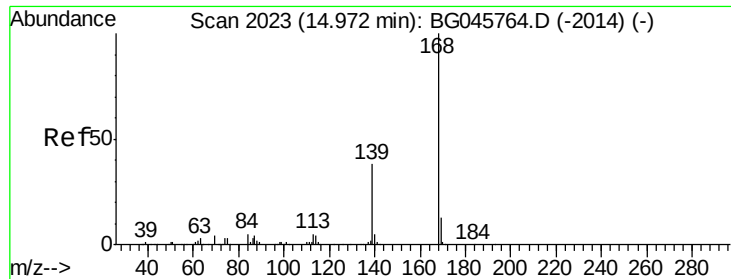
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#50
Dimethylphthalate
Concen: 4.239 ng
RT: 14.01 min Scan# 1859
Delta R.T. -0.00 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.0	3.3	4.9#
164	9.9	8.8	13.2





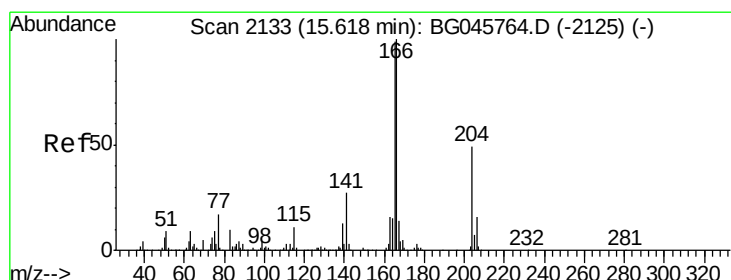
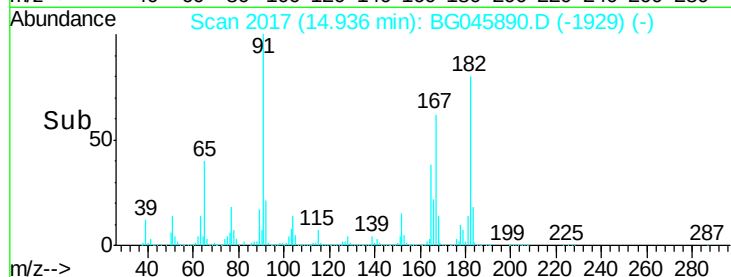
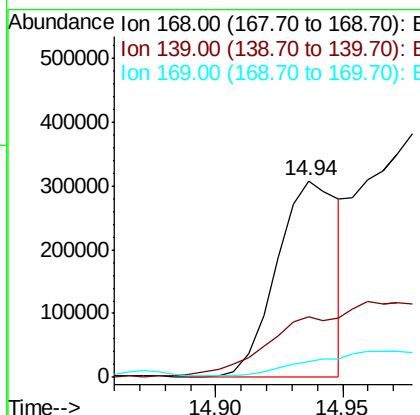
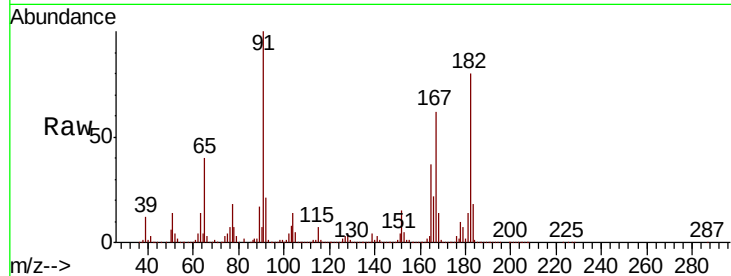
#55
Dibenzenofuran
Concen: 32.351 ng
RT: 14.94 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion	Ratio	Lower	Upper
168	100		
139	30.8	31.4	47.2#
169	8.3	10.4	15.6#

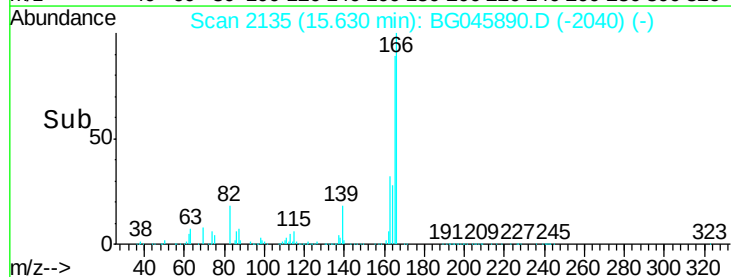
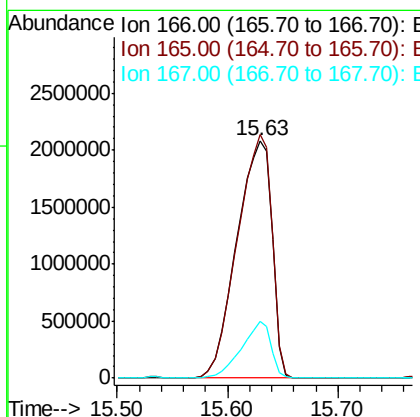
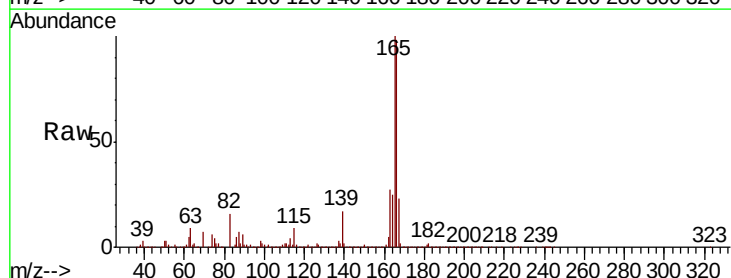
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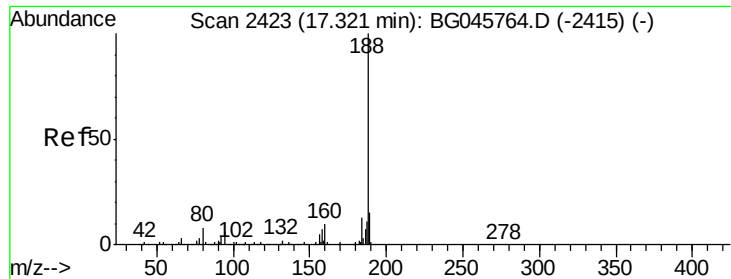
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#58
Fluorene
Concen: 348.653 ng
RT: 15.63 min Scan# 2135
Delta R.T. 0.03 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.4	78.2	117.2
167	24.0	11.3	16.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Instrument :

BNA_G

ClientSampleId :

EPEC-POLYMERS-05

Tot Ion:188 Resp: 307378

Ion Ratio Lower Upper

188 100

94 6.4 5.7 8.5

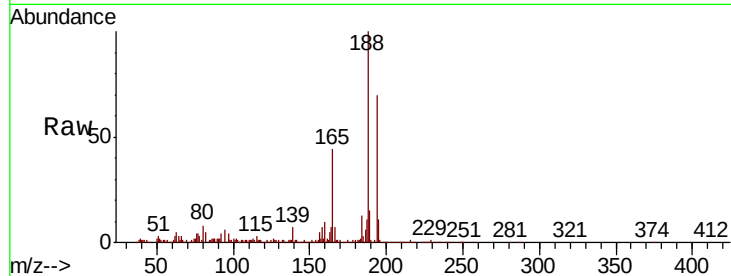
80 7.6 6.6 10.0

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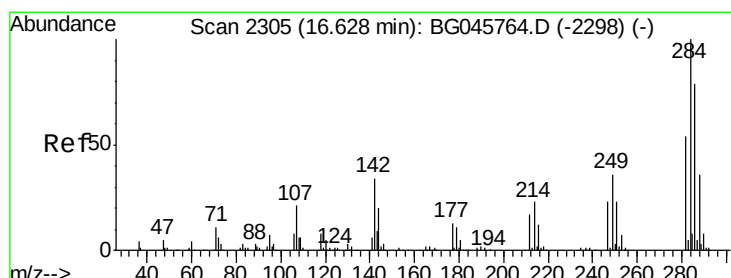
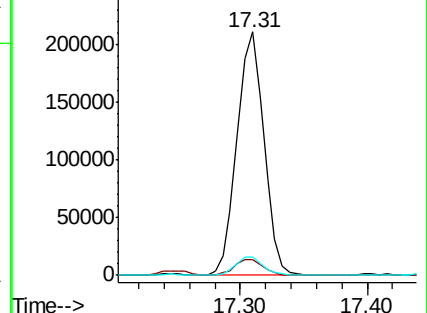
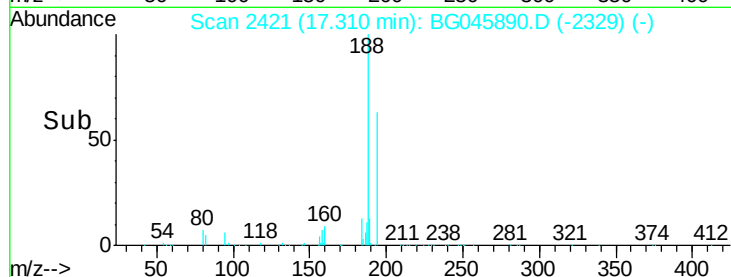
7/7/2020 8:17:11 AM



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



#68

Hexachlorobenzene

Concen: 7.005 ng

RT: 16.62 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

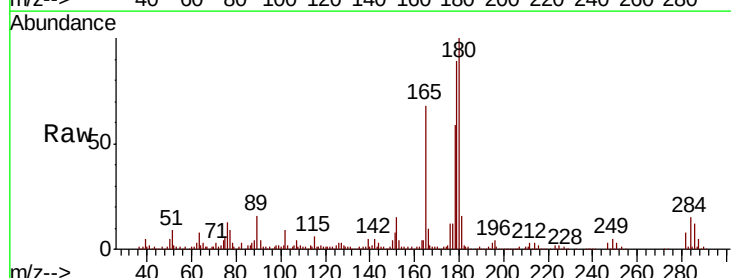
Tgt Ion:284 Resp: 29011

Ion Ratio Lower Upper

284 100

142 33.7 24.5 36.7

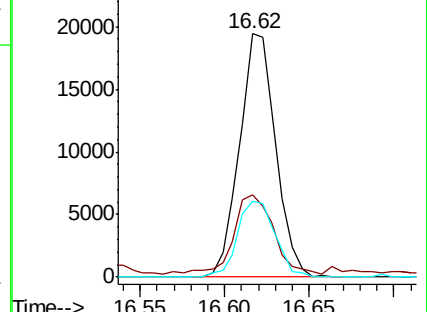
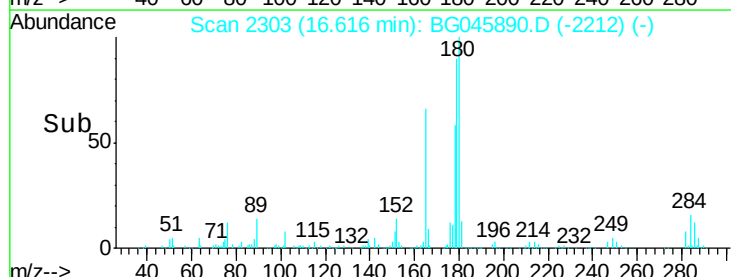
249 31.4 25.1 37.7

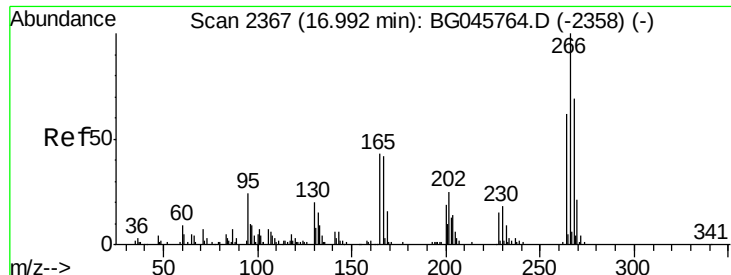


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





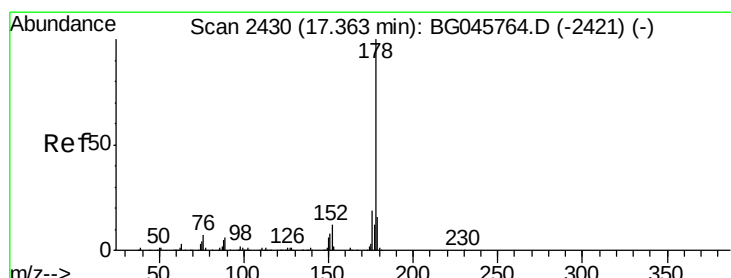
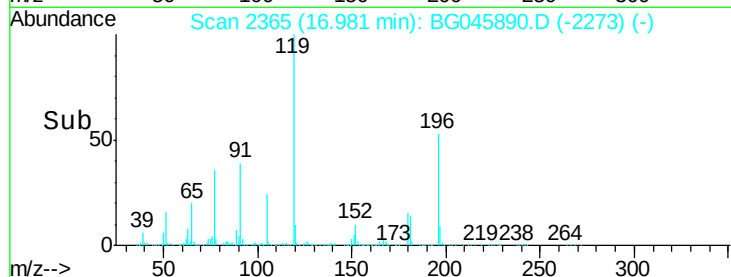
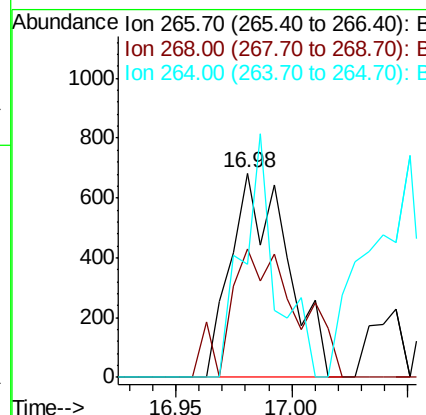
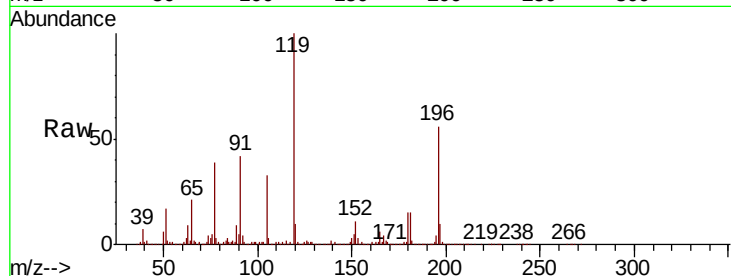
#70
 Pentachlorophenol
 Concen: 8.144 ng
 RT: 16.98 min Scan# 2365
 Delta R.T. 0.01 min
 Lab File: BG045890.D
 Acq: 30 Jun 2020 18:46

Instrument :
 BNA_G
 ClientSampleId :
 EPEC-POLYMERS-05

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.9	76.3
264	55.2	49.8	74.8

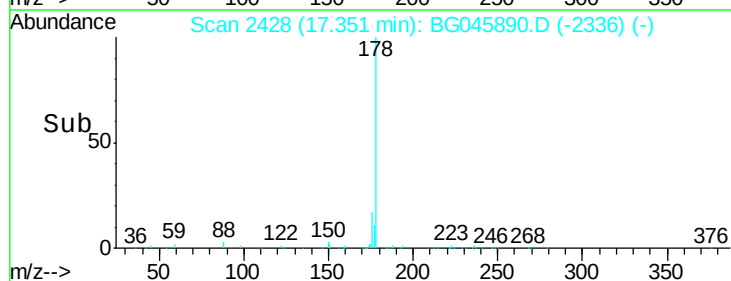
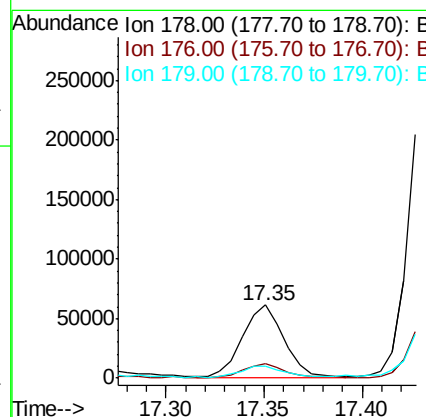
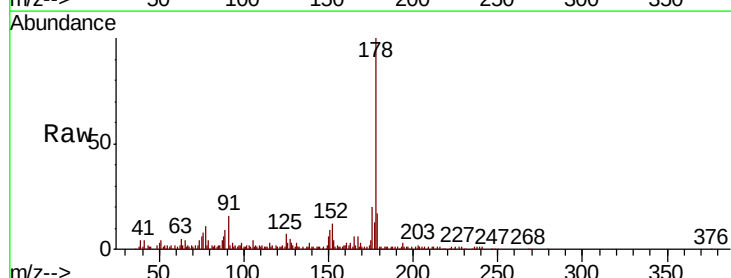
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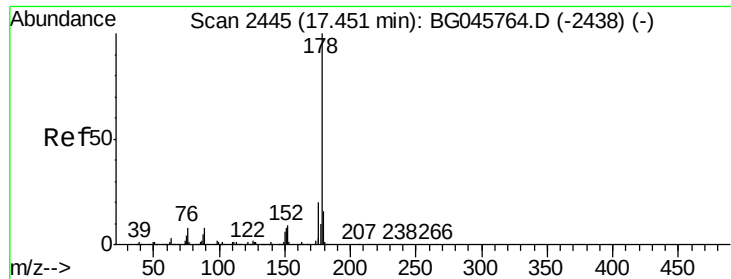
Sohil
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#71
 Phenanthrene
 Concen: 5.807 ng m
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BG045890.D
 Acq: 30 Jun 2020 18:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.7	13.2	19.8





#72

Anthracene

Concen: 51.943 ng

RT: 17.44 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Instrument :

BNA_G

ClientSampleId :

EPEC-POLYMERS-05

Tot Ion:178 Resp: 819983

Ion Ratio Lower Upper

178 100

176 20.9 15.7 23.5

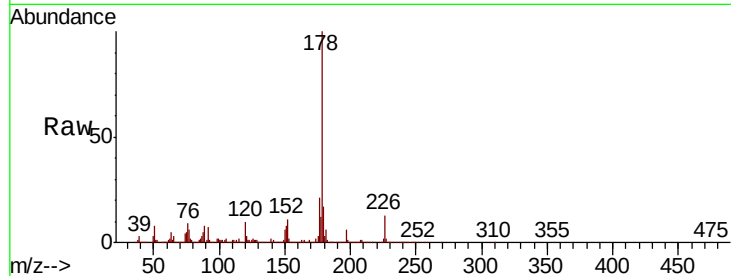
179 16.7 12.8 19.2

Manual Integrations

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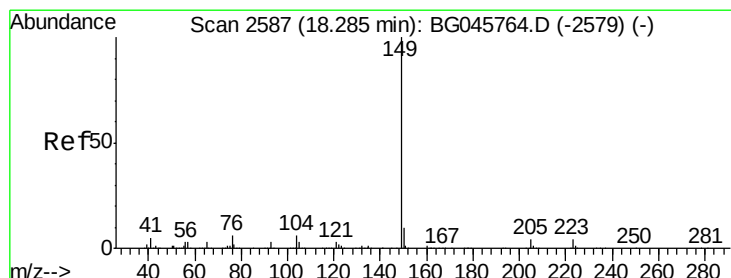
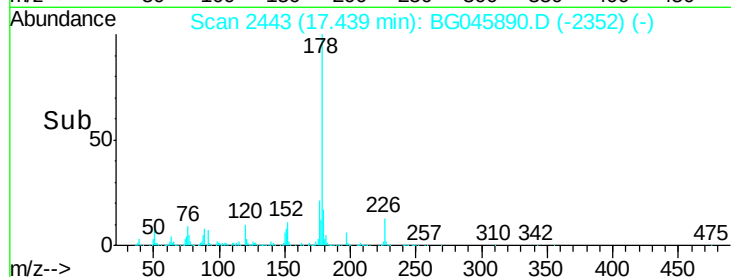
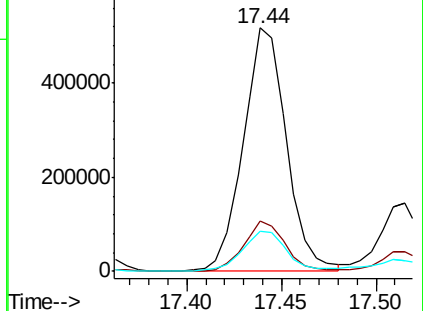
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 4.100 ng

RT: 18.27 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

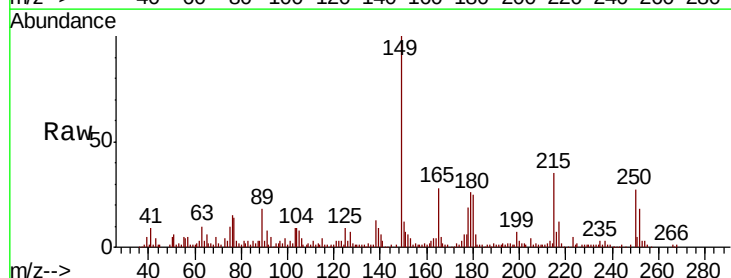
Tgt Ion:149 Resp: 72977

Ion Ratio Lower Upper

149 100

150 11.6 7.8 11.6

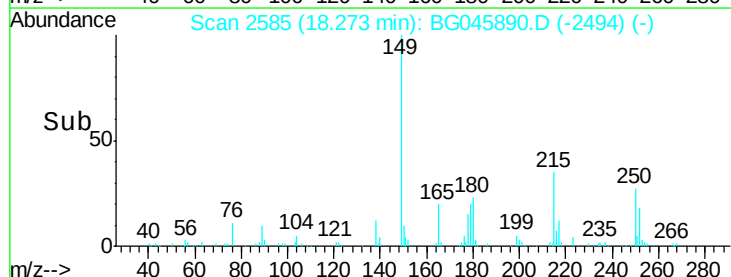
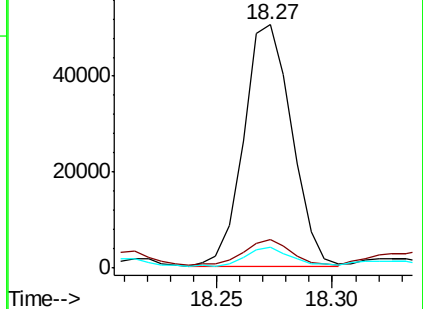
104 8.6 4.9 7.3#

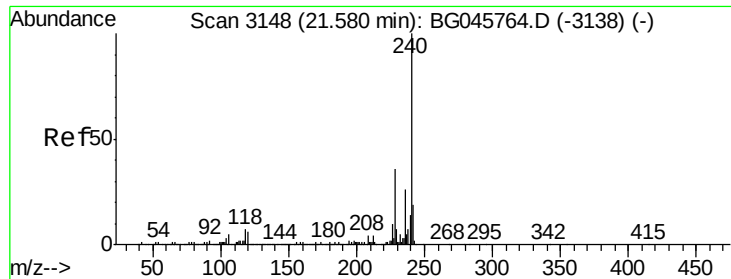


Abundance Ion 149.00 (148.70 to 149.70): E

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: BG045890.D

Acq: 30 Jun 2020 18:46

Instrument :

BNA_G

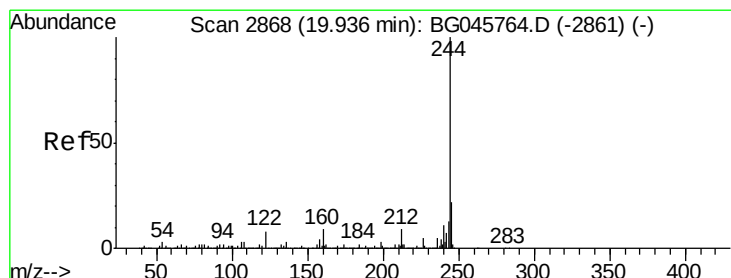
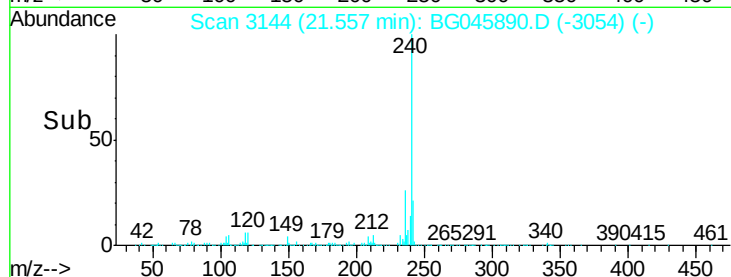
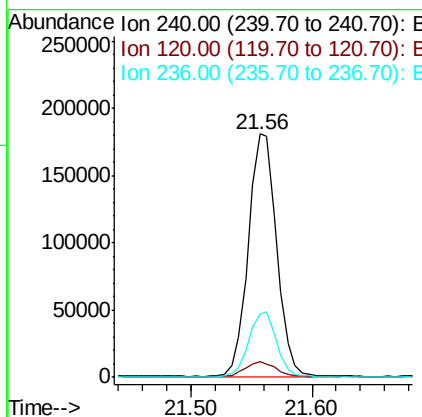
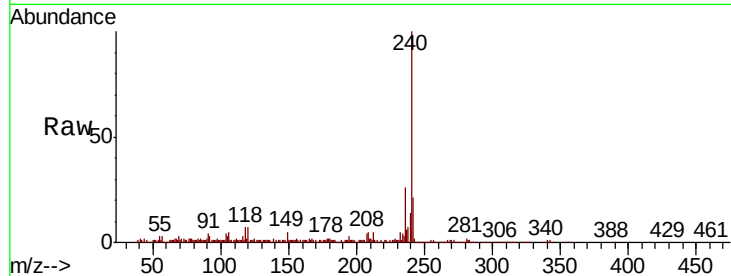
ClientSampleId :

EPEC-POLYMERS-05

Tot Ion:	240	Resp:	295319
Ion Ratio	Lower	Upper	
240	100		
120	6.5	5.6	8.4
236	26.2	21.3	31.9

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#79

Terphenyl-d14

Concen: 55.459 ng

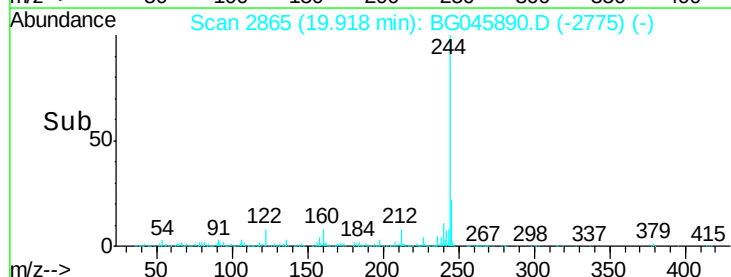
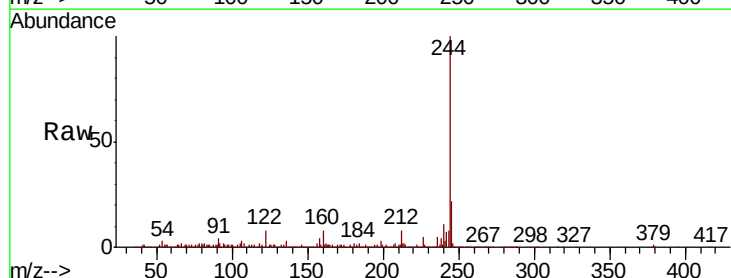
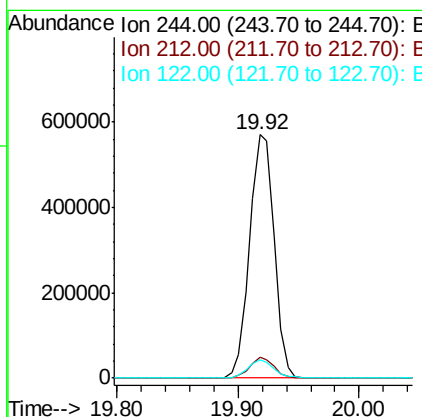
RT: 19.92 min Scan# 2865

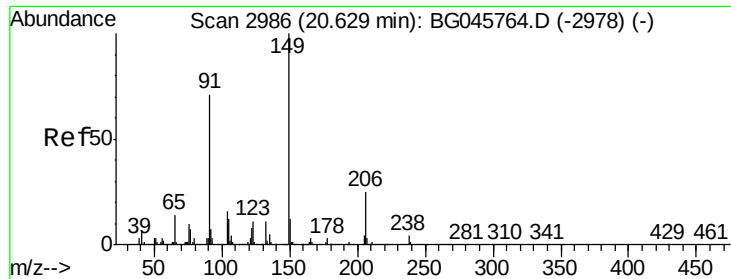
Delta R.T. -0.00 min

Lab File: BG045890.D

Acq: 30 Jun 2020 18:46

Tgt Ion:	244	Resp:	808161
Ion Ratio	Lower	Upper	
244	100		
212	8.4	7.2	10.8
122	7.8	6.9	10.3





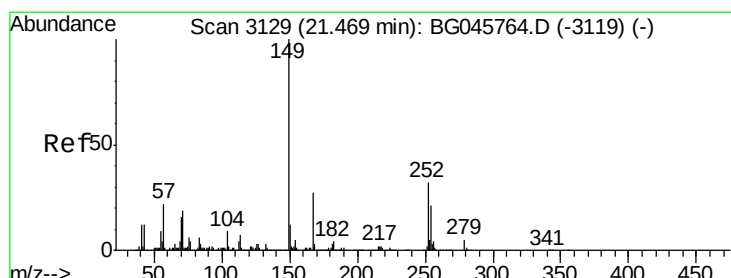
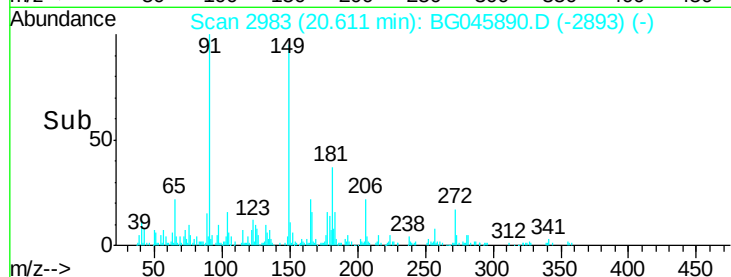
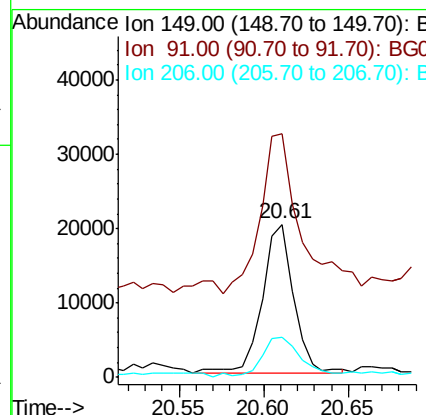
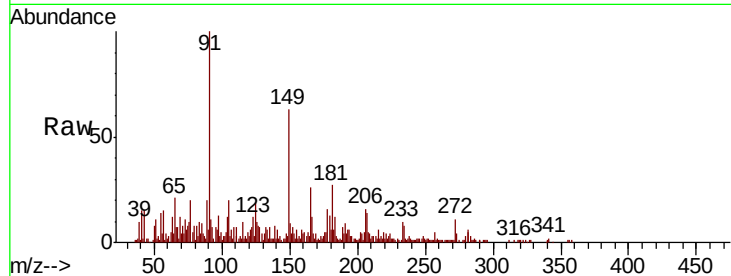
#80
Butylbenzylphthalate
Concen: 3.093 ng
RT: 20.61 min Scan# 2983
Delta R.T. -0.00 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion:149 Resp: 25606
Ion Ratio Lower Upper
149 100
91 159.2 57.0 85.4#
206 26.2 20.0 30.0

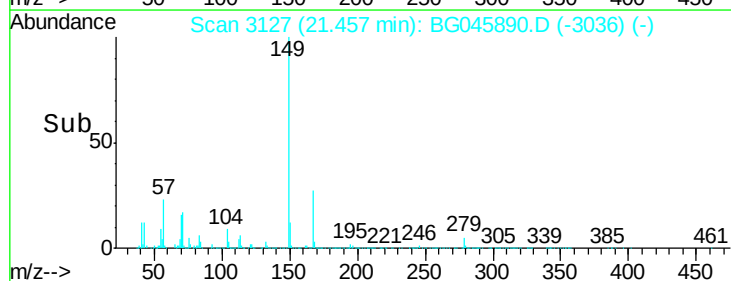
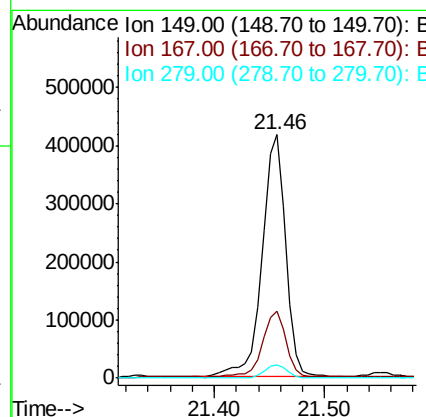
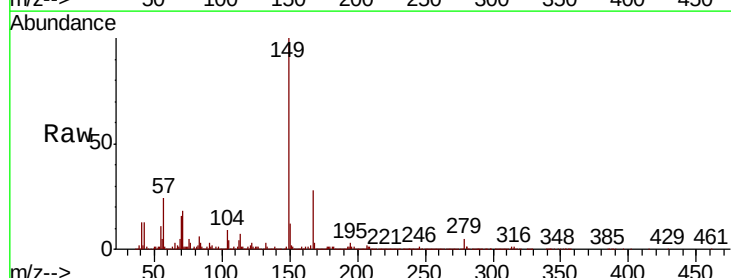
Manual Integrations
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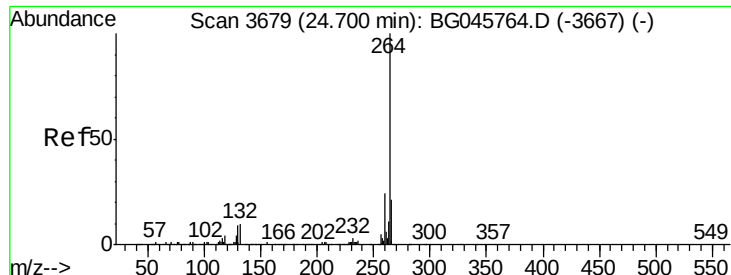
Sohil
7/7/2020 8:17:11 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 54.250 ng
RT: 21.46 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Tgt Ion:149 Resp: 624621
Ion Ratio Lower Upper
149 100
167 27.7 21.7 32.5
279 5.3 4.2 6.2





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.67 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BG045890.D
Acq: 30 Jun 2020 18:46

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05

Tot Ion:	264	Resp:	316420
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.5	29.3
265	21.3	17.4	26.0

Manual Integrations
APPROVED

Sohil
7/7/2020 8:17:11 AM

