

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045941.D
 Acq On : 3 Jul 2020 10:07
 Operator : CG/JU
 Sample : L3148-05DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPEC-POLYMERS-05DL

Manual Integrations
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Sohil
 7/7/2020 8:19:41 AM

Quant Time: Jul 04 05:24:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 14:02:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	53388	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	202420	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	138947	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	307604	20.00	ng	0.00
76) Chrysene-d12	21.51	240	338436	20.00	ng	0.00
86) Perylene-d12	24.58	264	356061	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	22731	7.19	ng	0.00
7) Phenol-d6	7.07	99	31500	6.55	ng	0.00
23) Nitrobenzene-d5	9.02	82	22702	5.12	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	5398	2.57	ng	0.00
45) 2-Fluorobiphenyl	13.12	172	51431	5.44	ng	0.00
79) Terphenyl-d14	19.88	244	96248	5.76	ng	0.00
Target Compounds						
13) 1,4-Dichlorobenzene	7.89	146	8067	2.003	ng	89
37) 2-Methylnaphthalene	12.32	142	17977	2.181	ng	93
38) 1-Methylnaphthalene	12.55	142	17466m	2.240	ng	
46) 1,1'-Biphenyl	13.34	154	256467	25.781	ng	98
55) Dibenzofuran	14.92	168	119464	9.426	ng	# 84
58) Fluorene	15.56	166	615536	58.406	ng	97
72) Anthracene	17.39	178	82650	5.232	ng	98
84) Bis(2-ethylhexyl)phthalate	21.41	149	77349	5.862	ng	98

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

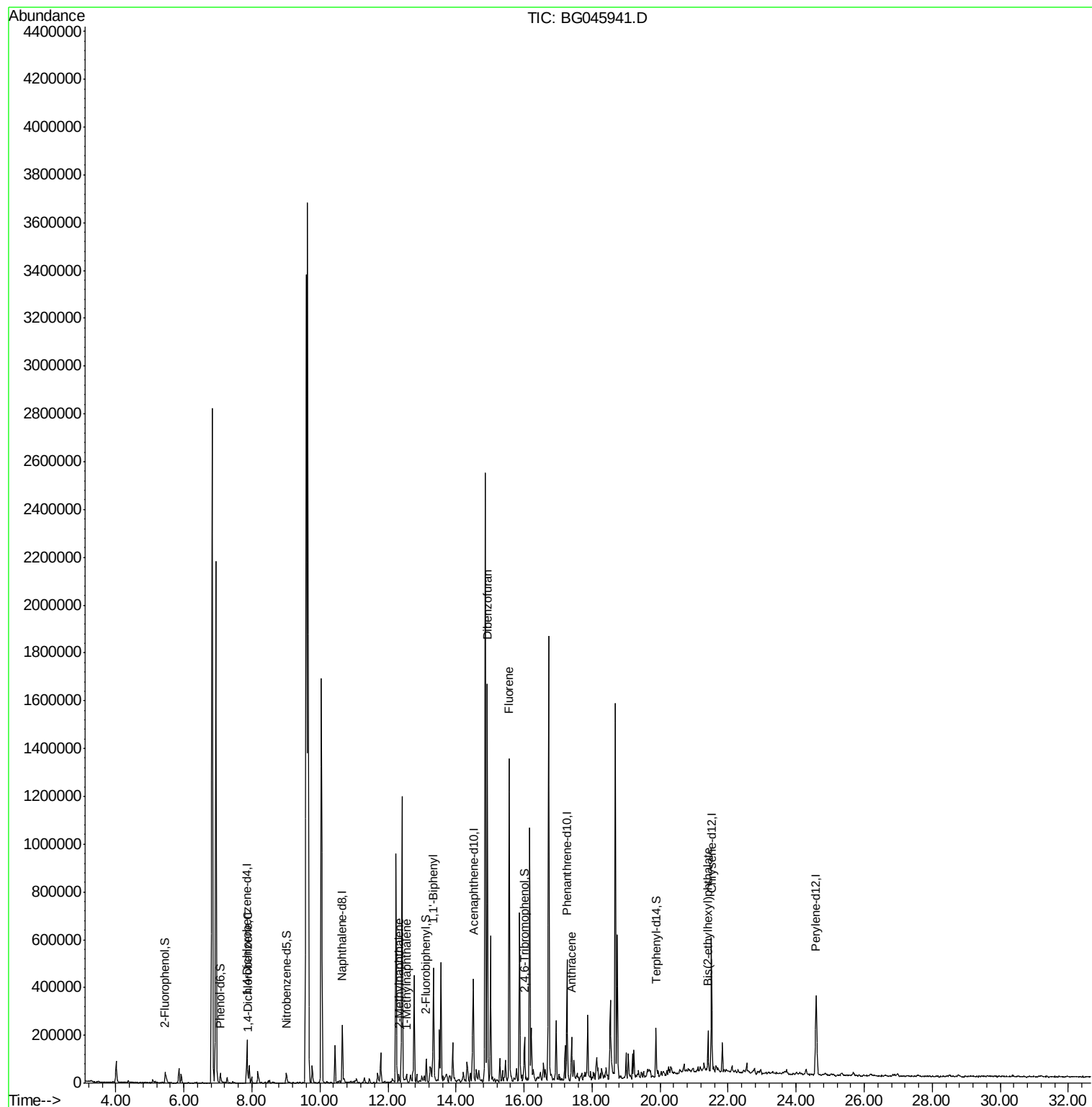
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
Data File : BG045941.D
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Operator : CG/JU
Sample : L3148-05DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

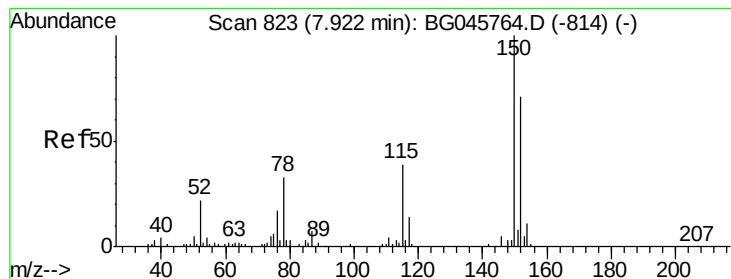
Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05DL

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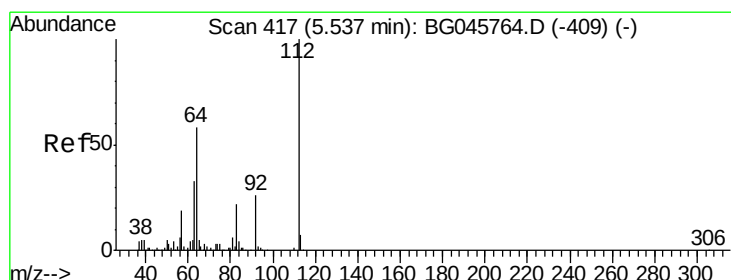
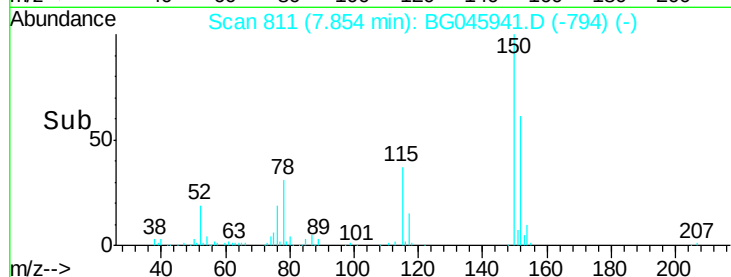
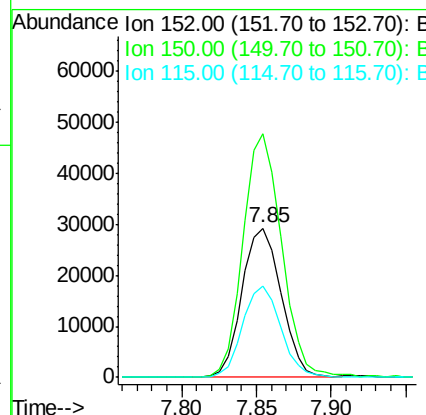
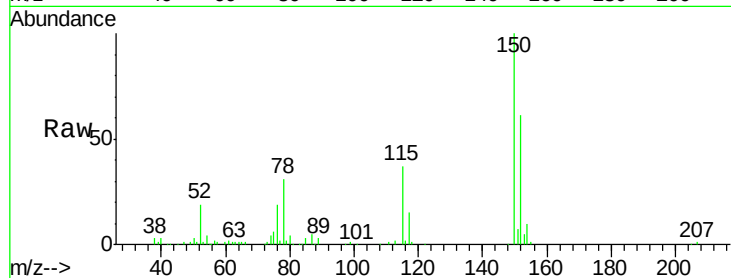
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.85 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BG045941.D
 Acq: 3 Jul 2020 10:07

Instrument :
 BNA_G
 ClientSampleId :
 EPEC-POLYMERS-05DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.2	124.5	186.7
115	61.0	45.8	68.8

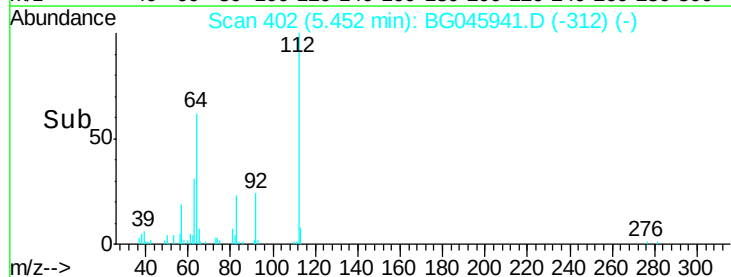
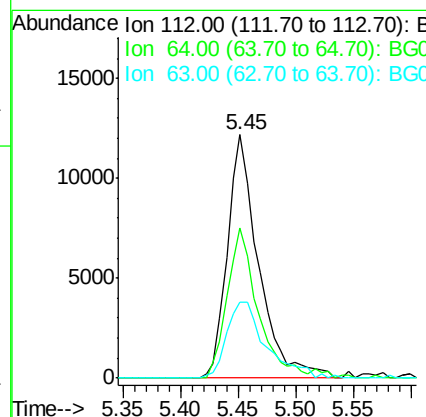
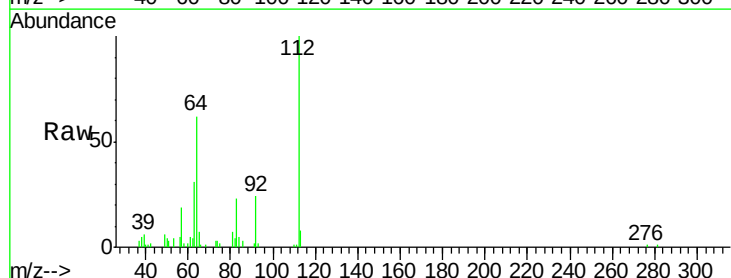
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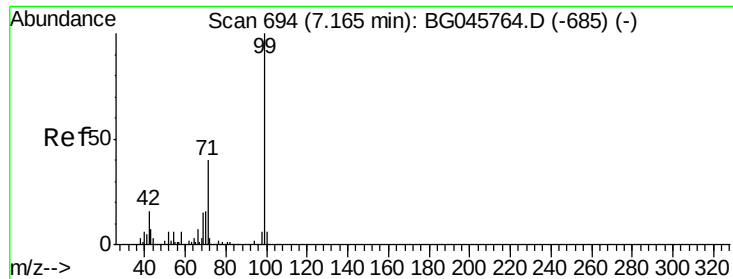
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#5
 2-Fluorophenol
 Concen: 7.192 ng
 RT: 5.45 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BG045941.D
 Acq: 3 Jul 2020 10:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	44.9	67.3
63	31.2	26.9	40.3





#7

Phenol-d6

Concen: 6.552 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

Instrument :

BNA_G

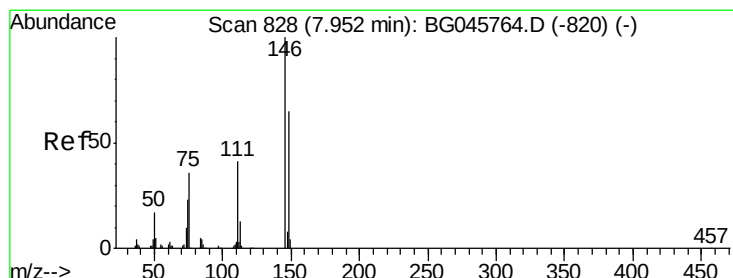
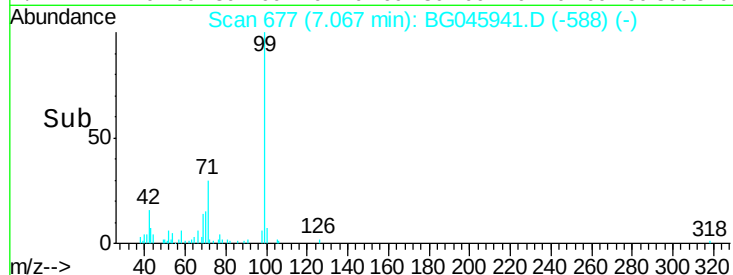
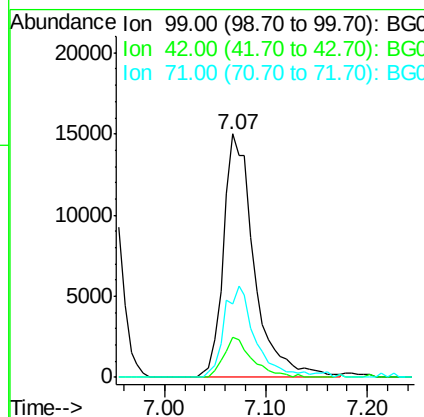
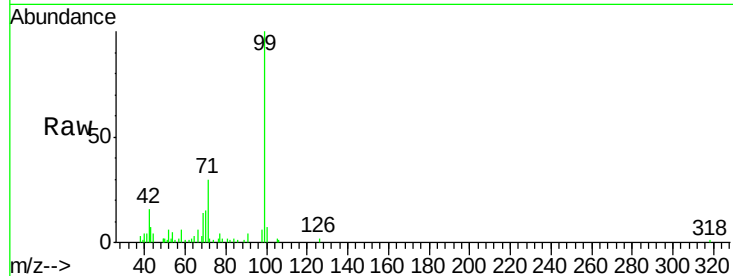
ClientSampleId :

EPEC-POLYMERS-05DL

Tot Ion:	99	Resp:	31500
Ion Ratio	Lower	Upper	
99	100		
42	16.5	11.8	17.8
71	30.0	31.0	46.6#

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#13

1,4-Dichlorobenzene

Concen: 2.003 ng

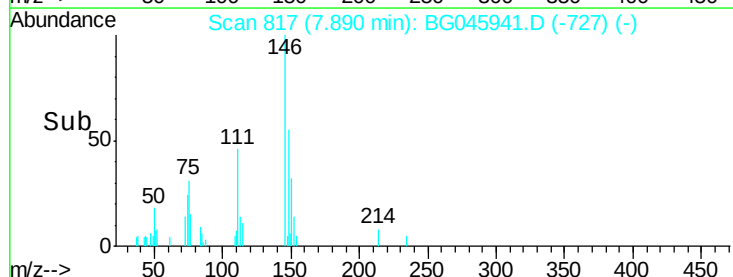
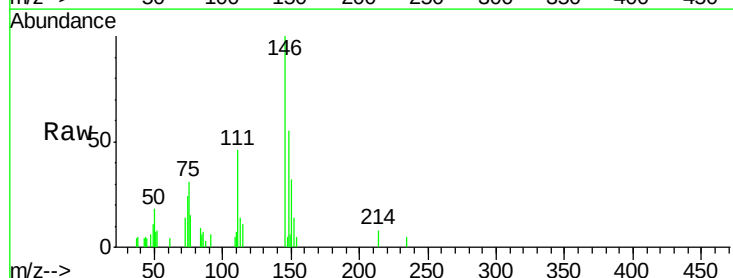
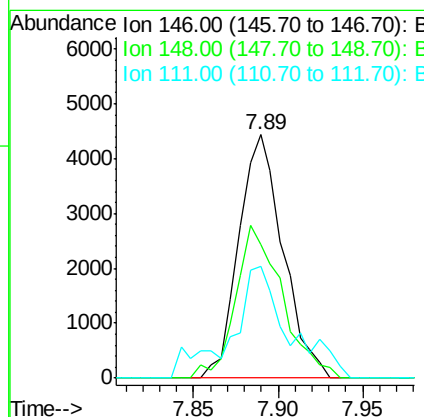
RT: 7.89 min Scan# 817

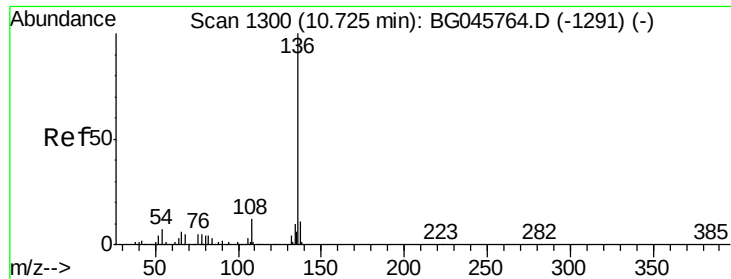
Delta R.T. -0.00 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

Tgt Ion:	146	Resp:	8067
Ion Ratio	Lower	Upper	
146	100		
148	54.6	54.2	81.4
111	45.8	35.1	52.7





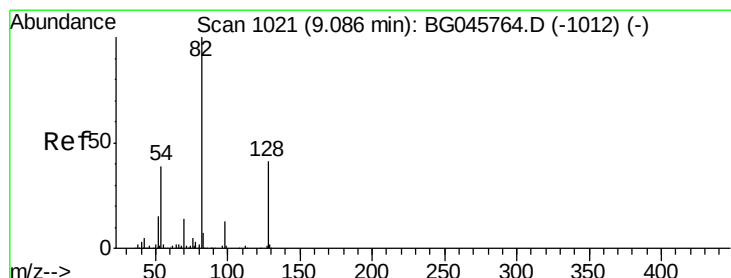
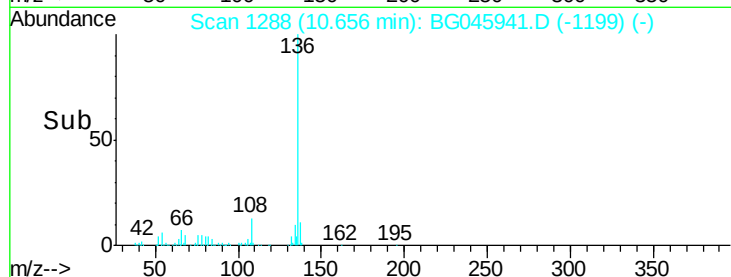
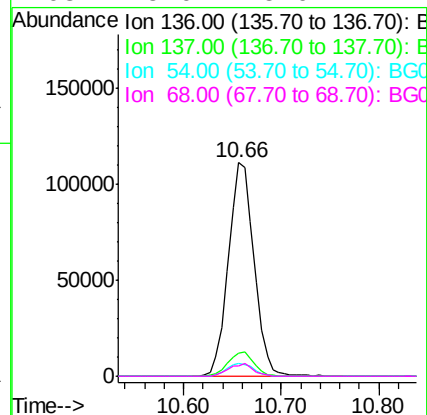
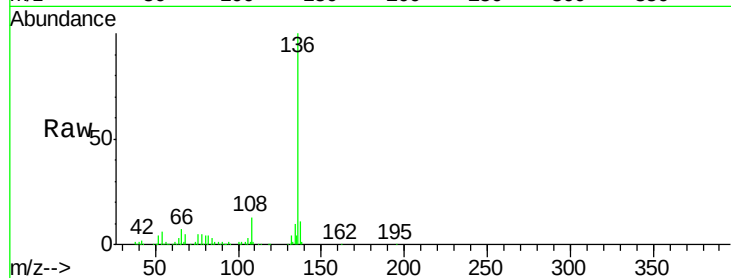
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05DL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	202420		
137	10.7		8.2	12.4
54	6.2		4.6	7.0
68	5.0		5.0	7.4

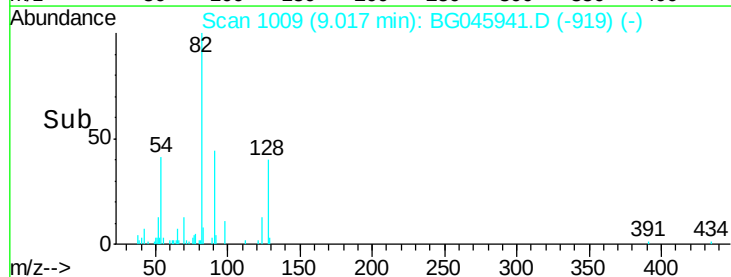
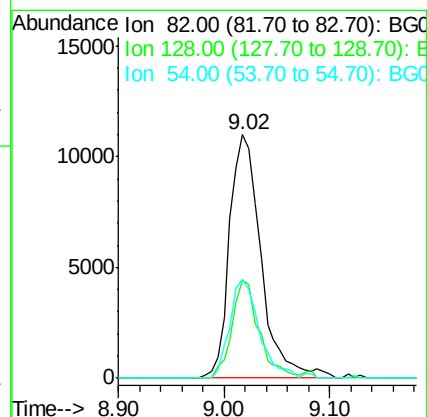
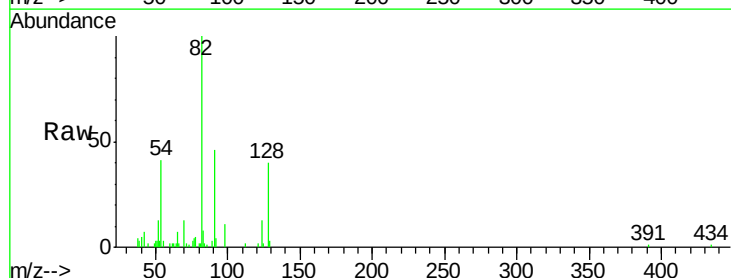
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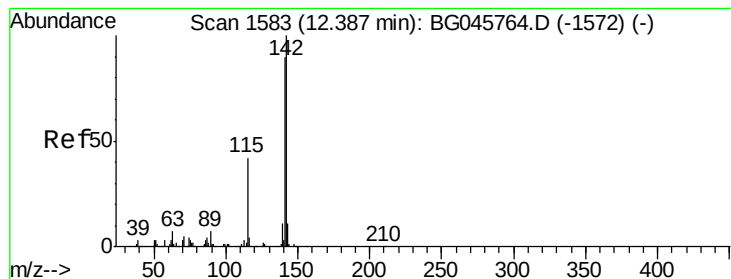
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#23
Nitrobenzene-d5
Concen: 5.124 ng
RT: 9.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	22702		
128	39.9		29.9	44.9
54	40.9		33.3	49.9





#37

2-Methylnaphthalene

Concen: 2.181 ng

RT: 12.32 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

Instrument :

BNA_G

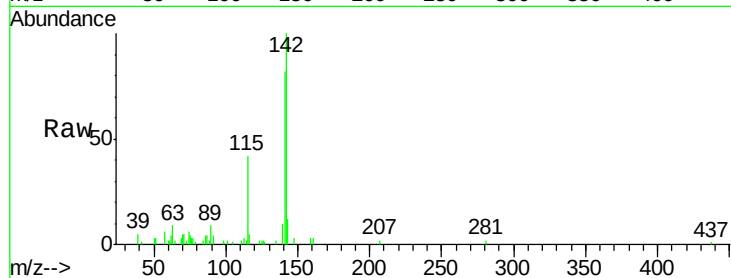
ClientSampleId :

EPEC-POLYMERS-05DL

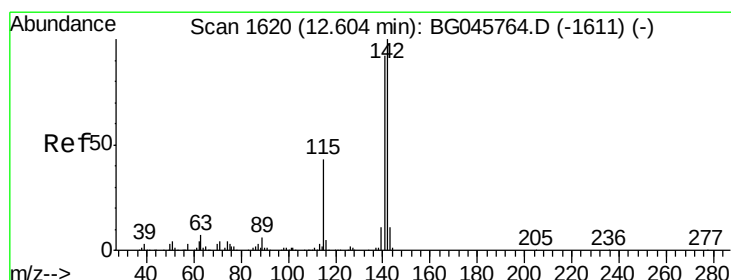
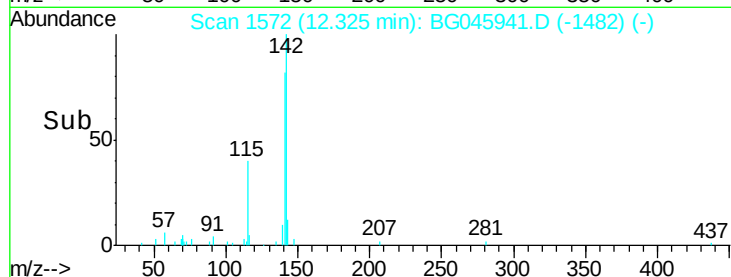
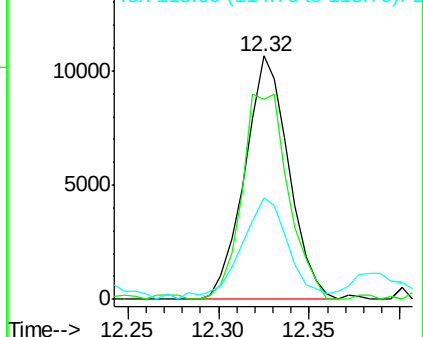
Tot Ion:	142	Resp:	17977
Ion	Ratio	Lower	Upper
142	100		
141	82.4	71.9	107.9
115	41.6	31.7	47.5

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 2.240 ng m

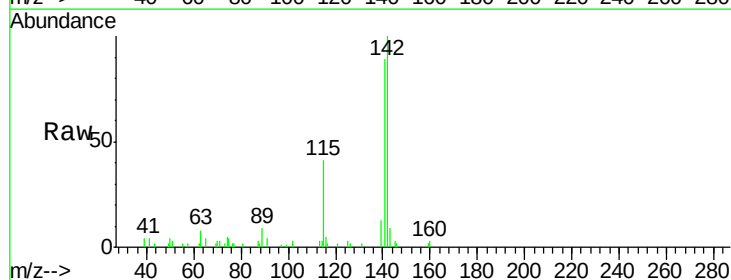
RT: 12.55 min Scan# 1610

Delta R.T. -0.00 min

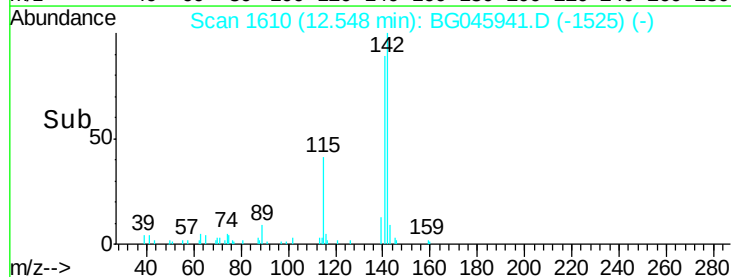
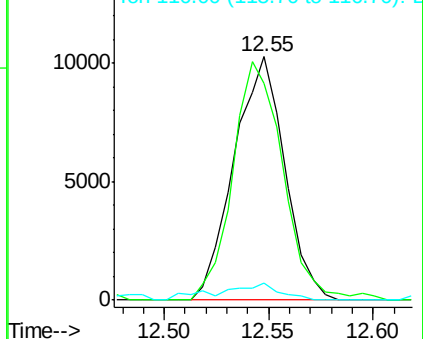
Lab File: BG045941.D

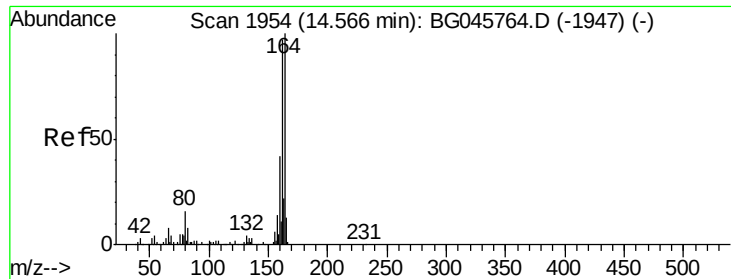
Acq: 3 Jul 2020 10:07

Tgt Ion:	142	Resp:	17466
Ion	Ratio	Lower	Upper
142	100		
141	89.2	74.5	111.7
116	5.3	3.4	5.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

Instrument :

BNA_G

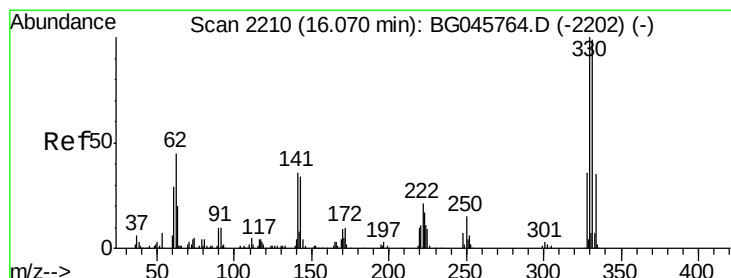
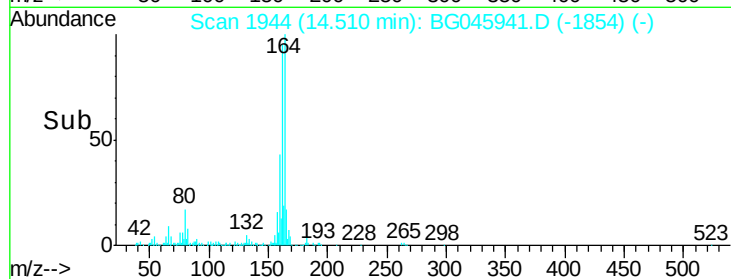
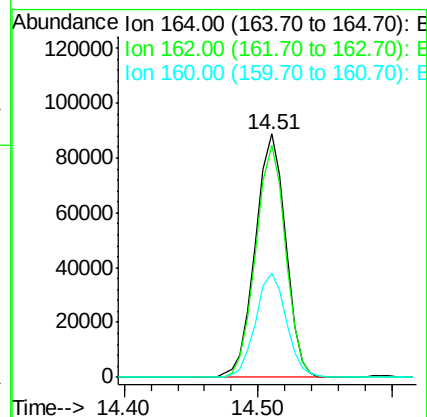
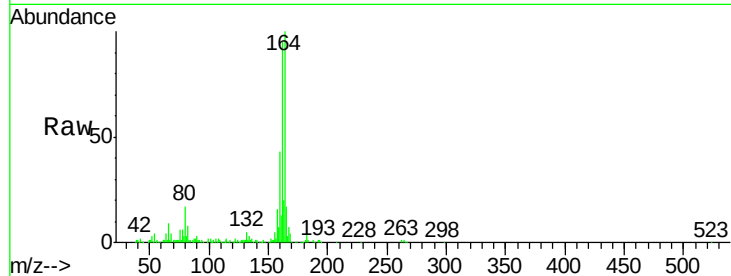
ClientSampleId :

EPEC-POLYMERS-05DL

Tot Ion:	164	Resp:	138947
Ion Ratio	Lower	Upper	
164	100		
162	95.4	78.8	118.2
160	42.9	33.8	50.6

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#42

2,4,6-Tribromophenol

Concen: 2.573 ng

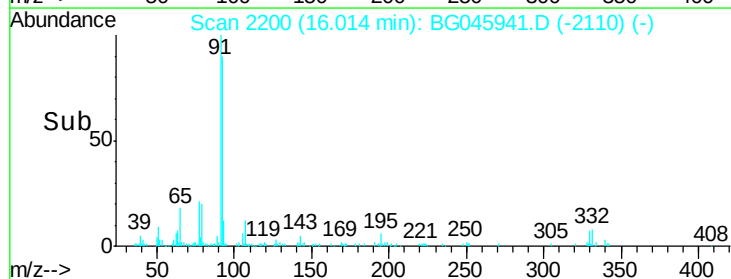
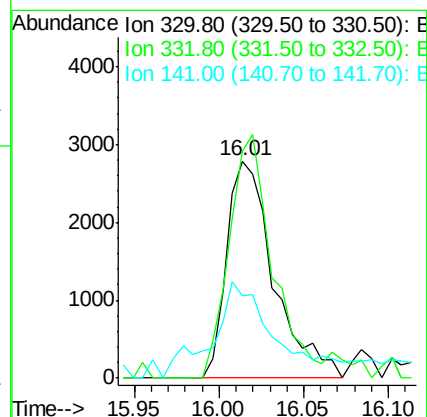
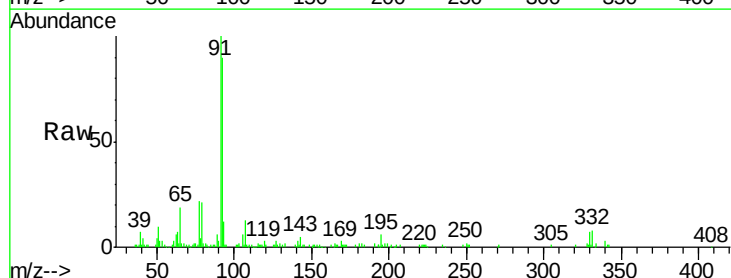
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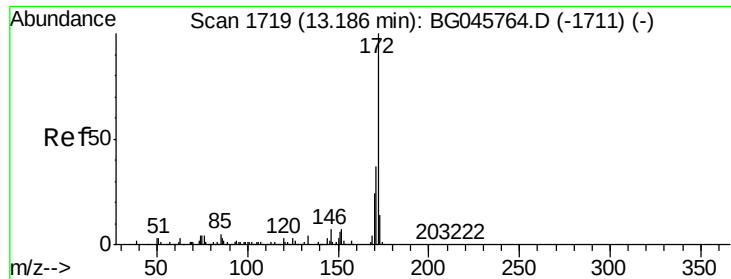
Delta R.T. -0.00 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

Tgt Ion:	330	Resp:	5398
Ion Ratio	Lower	Upper	
330	100		
332	103.0	79.4	119.0
141	34.6	28.2	42.2





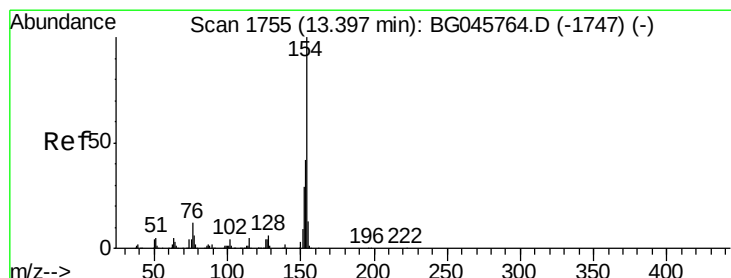
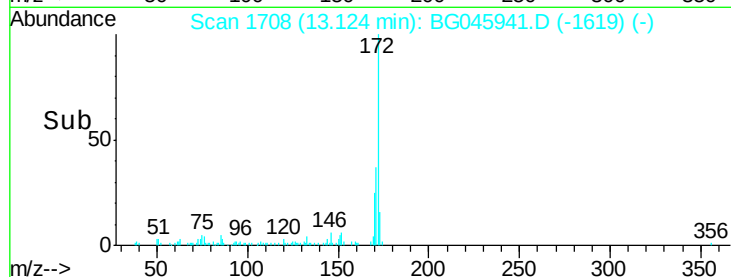
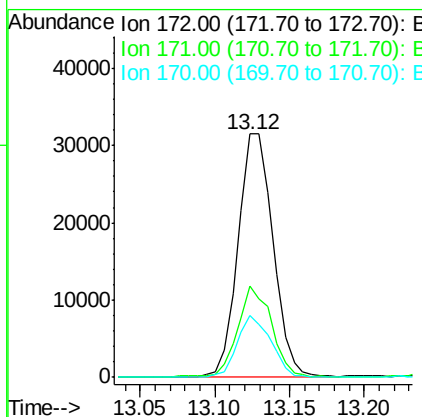
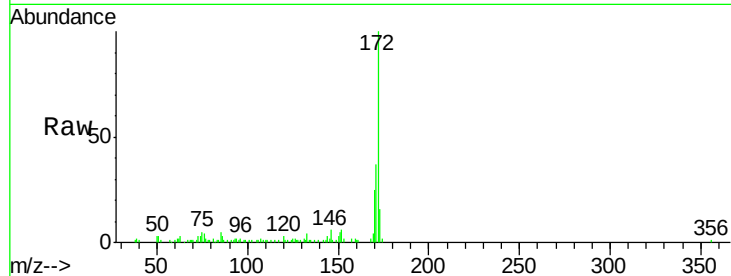
#45
2-Fluorobiphenyl
Concen: 5.440 ng
RT: 13.12 min Scan# 1708
Delta R.T. -0.01 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.5	42.7
170	25.3	18.9	28.3

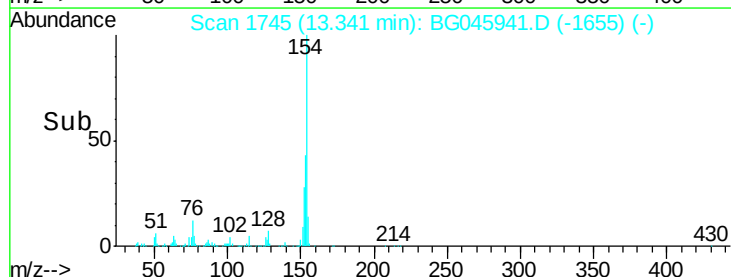
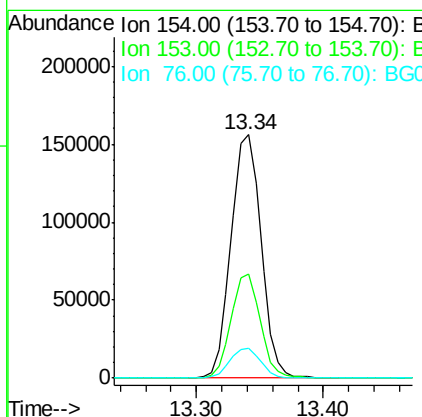
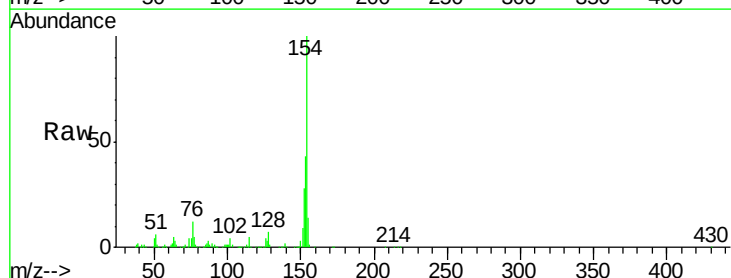
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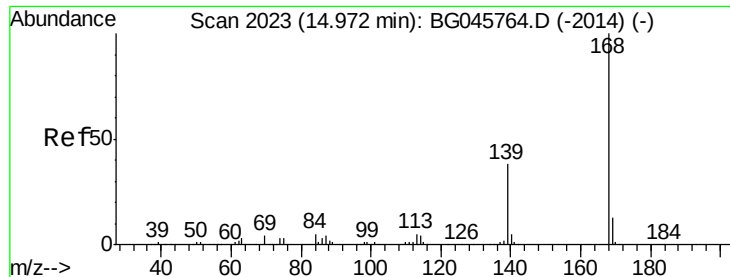
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#46
1,1'-Biphenyl
Concen: 25.781 ng
RT: 13.34 min Scan# 1745
Delta R.T. -0.00 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.5	21.3	61.3
76	12.1	0.0	32.9





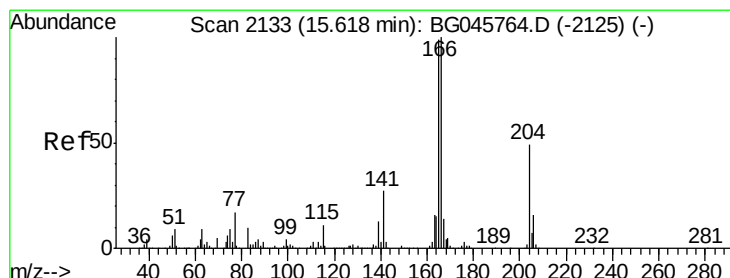
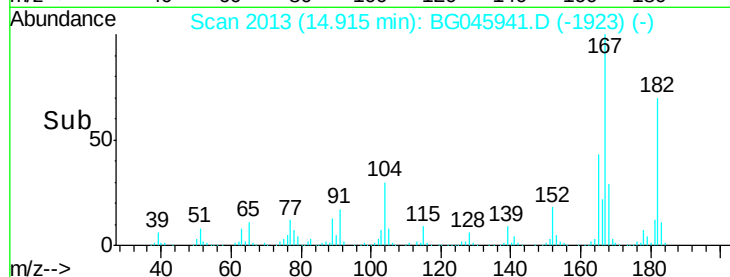
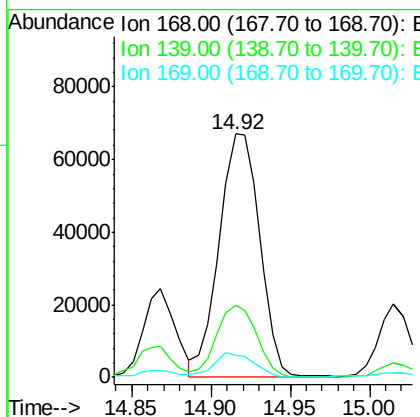
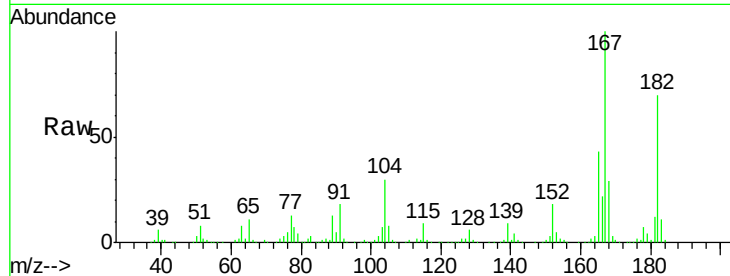
#55
Dibenzenofuran
Concen: 9.426 ng
RT: 14.92 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	29.9	32.6	48.8#
169	9.3	11.4	17.2#

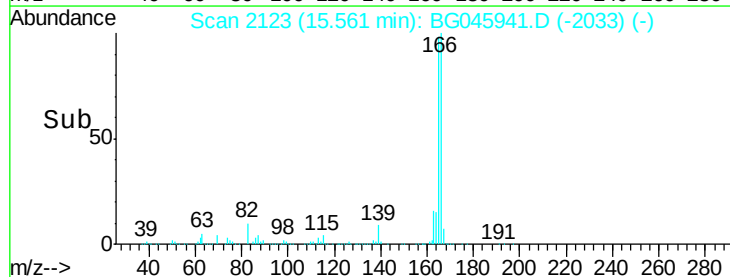
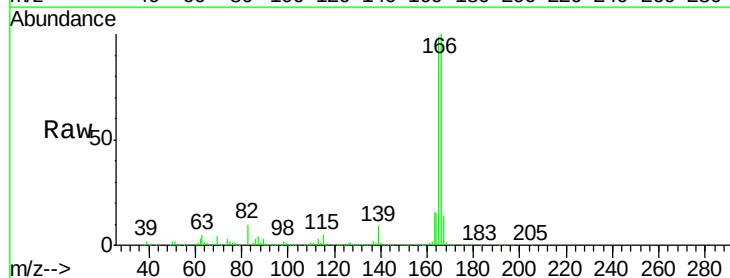
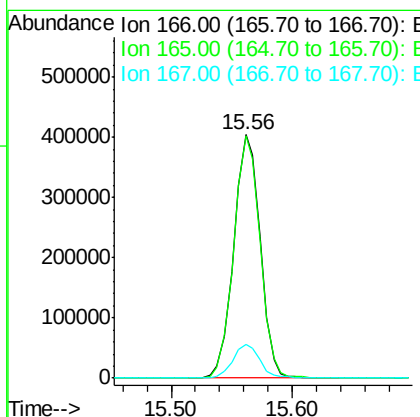
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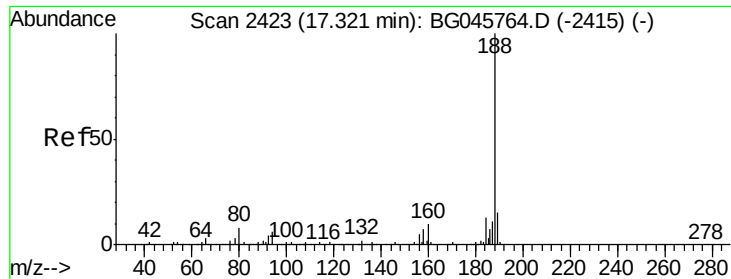
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#58
Fluorene
Concen: 58.406 ng
RT: 15.56 min Scan# 2123
Delta R.T. -0.00 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	76.9	115.3
167	14.0	11.3	16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

Instrument :

BNA_G

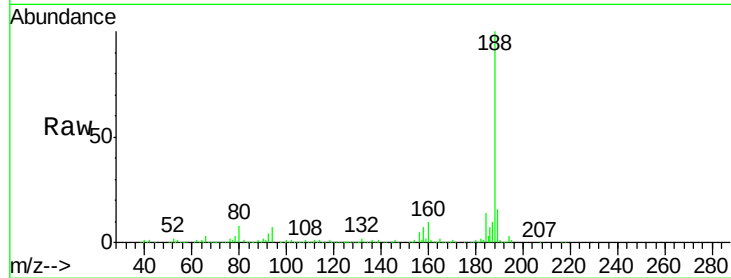
ClientSampleId :

EPEC-POLYMERS-05DL

Tot Ion:	188	Resp:	307604
Ion Ratio	Lower	Upper	
188	100		
94	6.6	5.5	8.3
80	8.0	6.1	9.1

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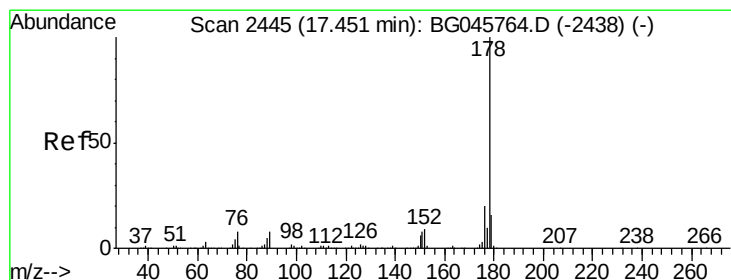
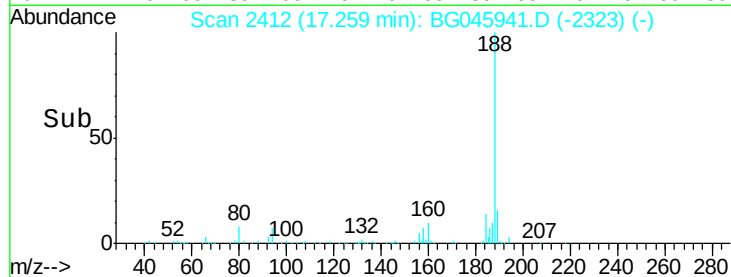
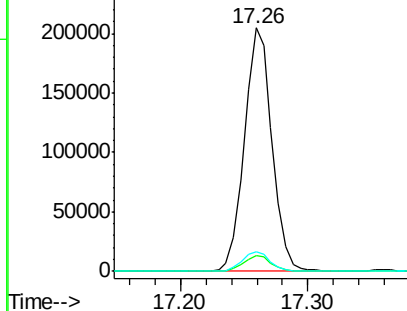
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#72

Anthracene

Concen: 5.232 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG045941.D

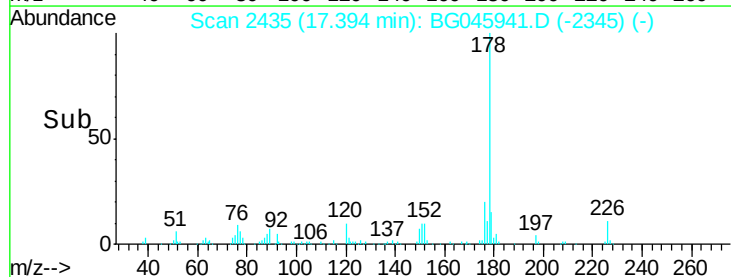
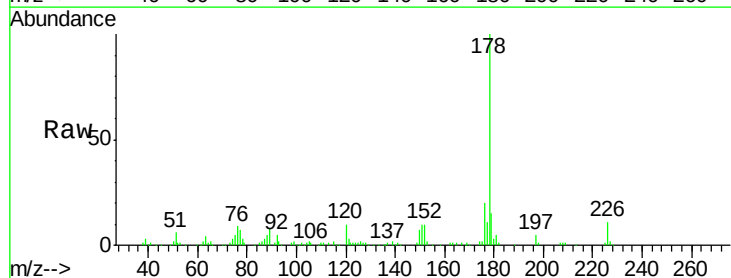
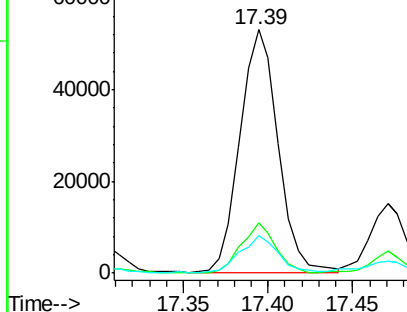
Acq: 3 Jul 2020 10:07

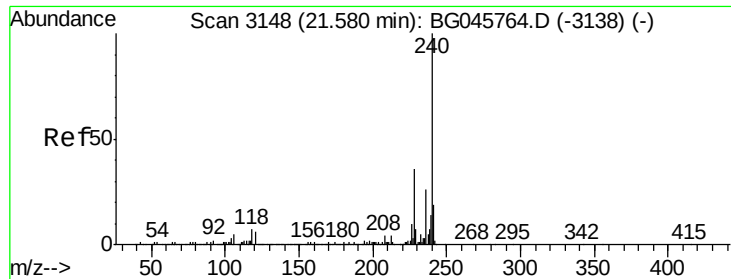
Tgt Ion:	178	Resp:	82650
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.6	23.4
179	15.2	13.0	19.4

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





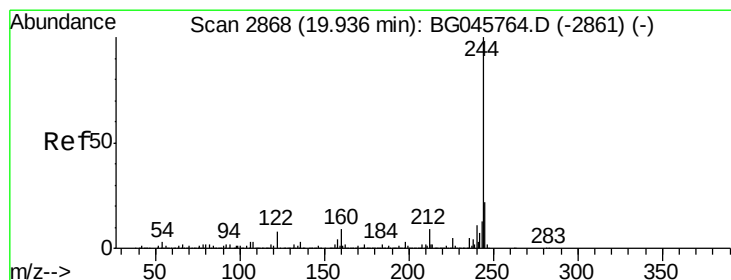
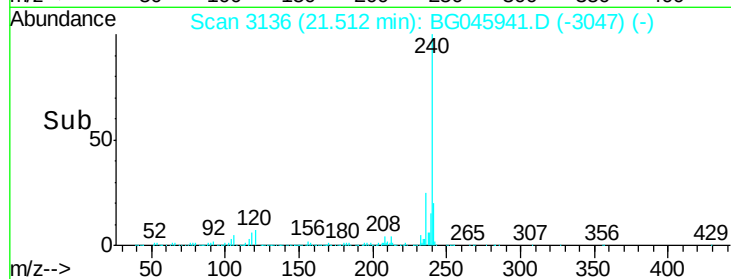
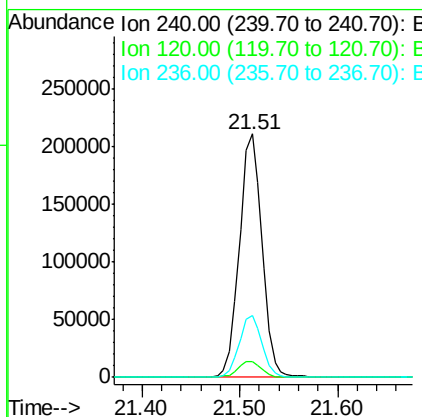
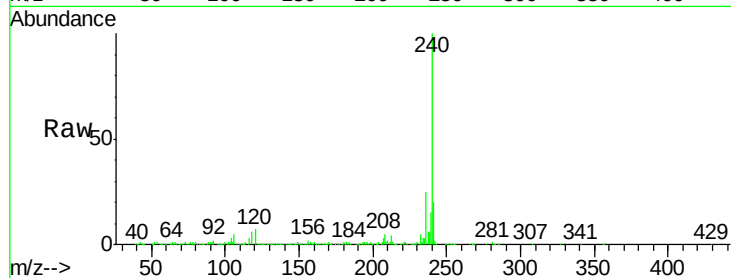
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.51 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Instrument :
BNA_G
ClientSampleId :
EPEC-POLYMERS-05DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.7	5.2	7.8
236	25.2	20.8	31.2

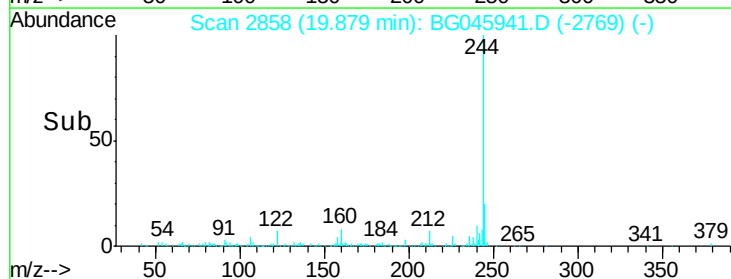
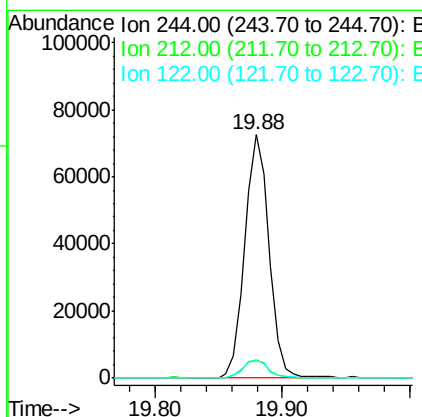
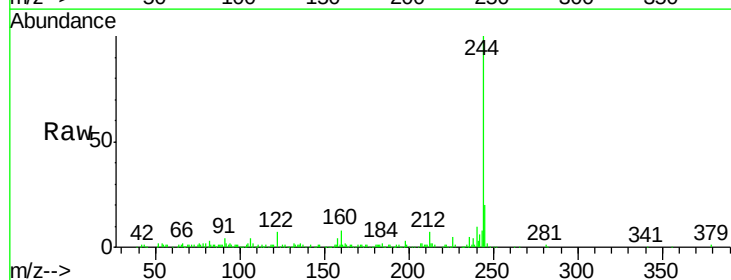
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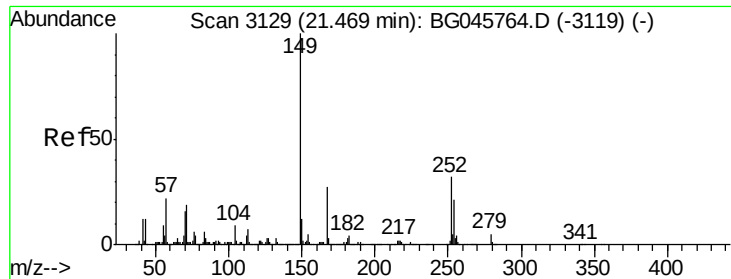
Sohil
7/7/2020 8:19:41 AM



#79
Terphenyl-d14
Concen: 5.763 ng
RT: 19.88 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BG045941.D
Acq: 3 Jul 2020 10:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	7.0	10.6
122	6.9	6.6	9.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.862 ng

RT: 21.41 min Scan# 3119

Delta R.T. -0.00 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

Instrument :

BNA_G

ClientSampleId :

EPEC-POLYMERS-05DL

Tot Ion:149 Resp: 77349

Ion Ratio Lower Upper

149 100

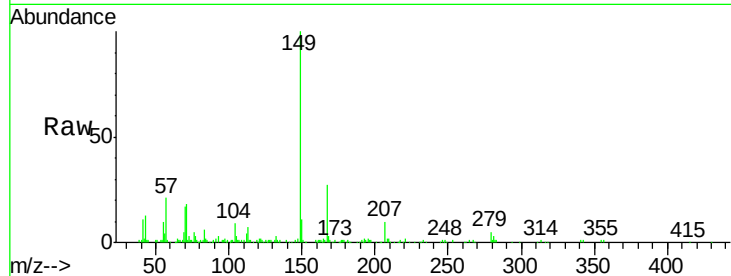
167 27.2 22.5 33.7

279 5.0 4.4 6.6

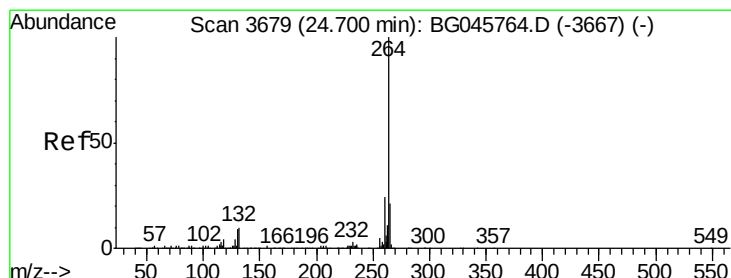
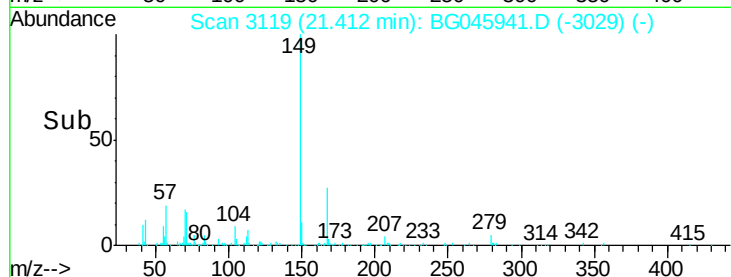
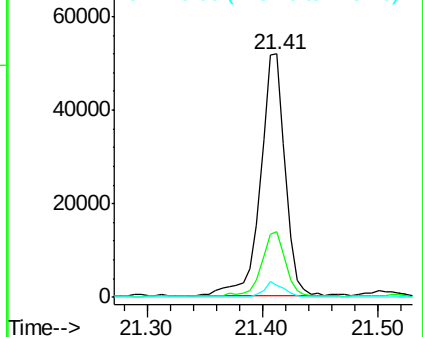
Manual Integrations
APPROVED

Sohil

7/7/2020 8:19:41 AM



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.58 min Scan# 3659

Delta R.T. -0.01 min

Lab File: BG045941.D

Acq: 3 Jul 2020 10:07

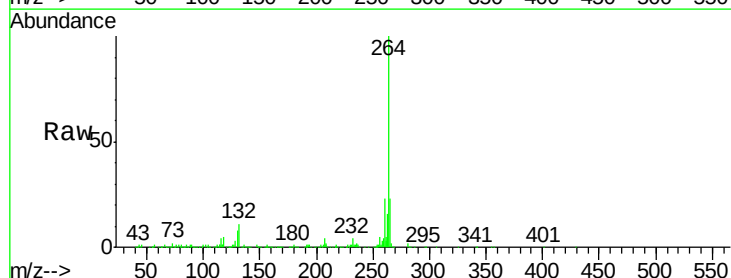
Tgt Ion:264 Resp: 356061

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.7 16.4 24.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

