

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
 Data File : BG045325.D
 Acq On : 12 May 2020 11:18
 Operator : CG/JU
 Sample : L2540-02 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

Manual Integrations
 APPROVED

mohammad
 5/13/2020 8:15:54 AM

Quant Time: May 12 12:08:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	87381	20.00	ng	-0.01
21) Naphthalene-d8	10.79	136	367221	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	259234	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	515525	20.00	ng	0.00
76) Chrysene-d12	21.64	240	446181	20.00	ng	0.00
87) Perylene-d12	24.81	264	490594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	71965	13.60	ng	-0.01
7) Phenol-d6	7.14	99	112348	14.29	ng	-0.01
23) Nitrobenzene-d5	9.13	82	77523	9.63	ng	-0.01
42) 2,4,6-Tribromophenol	16.11	330	51237	12.79	ng	-0.01
45) 2-Fluorobiphenyl	13.24	172	196589	11.12	ng	0.00
79) Terphenyl-d14	19.98	244	266064	13.00	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.41	178	196599	7.42	ng	96
75) Fluoranthene	19.42	202	337104	5.40	ng	97
78) Pyrene	19.78	202	684247	22.24	ng	97
81) Benzo(a)anthracene	21.61	228	307298	10.63	ng	98
83) Chrysene	21.68	228	346362	12.47	ng	97
86) Indeno(1,2,3-cd)pyrene	28.40	276	159275	4.32	ng	# 97
88) Benzo(b)fluoranthene	23.80	252	288535m	9.39	ng	
89) Benzo(k)fluoranthene	23.84	252	112756m	3.86	ng	
90) Benzo(a)pyrene	24.65	252	330602	11.39	ng	96
92) Benzo(g,h,i)perylene	29.52	276	227214	7.75	ng	# 94

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

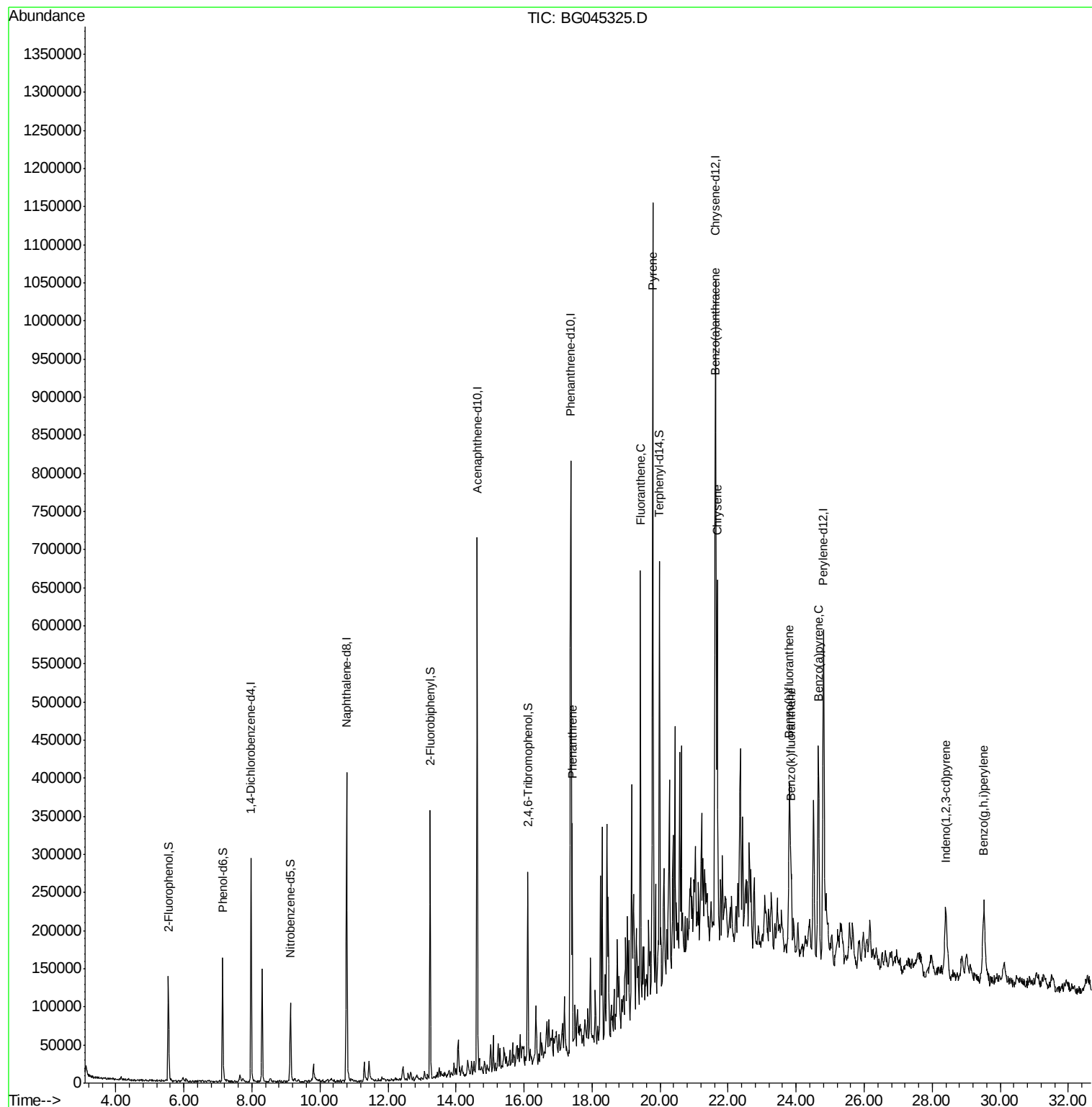
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051120\
Data File : BG045325.D
Acq On : 12 May 2020 11:18
Operator : CG/JU
Sample : L2540-02 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
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#1

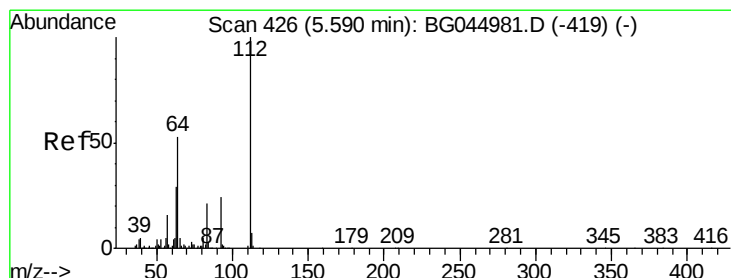
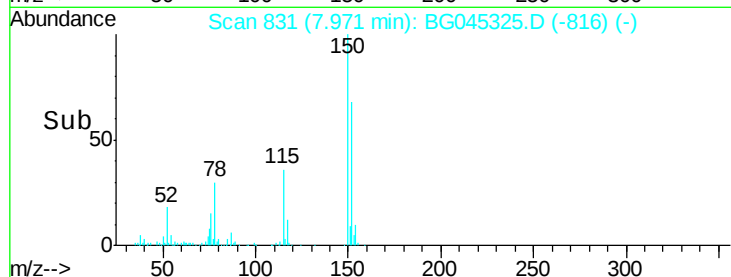
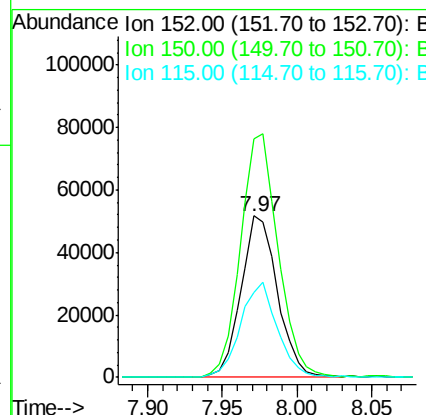
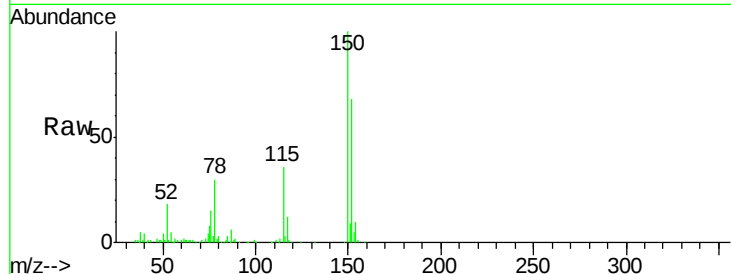
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Instrument :
BNA_G
ClientSampled :
ETGI-346

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	87381		
150	147.6	123.6	185.4	
115	52.6	49.1	73.7	

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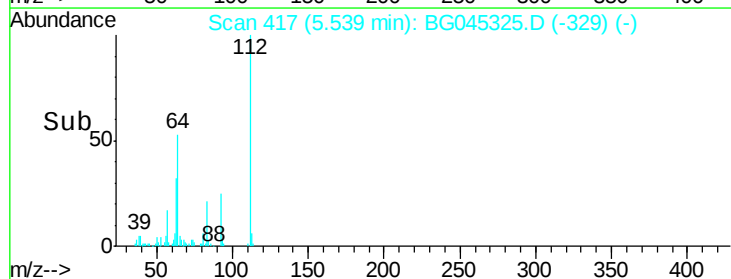
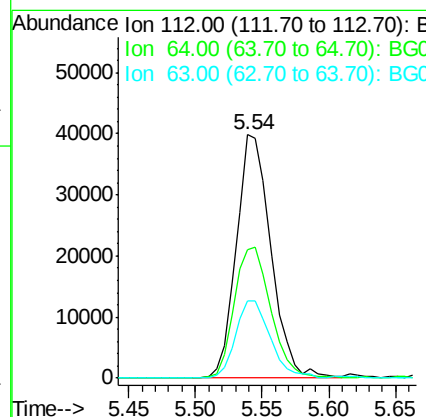
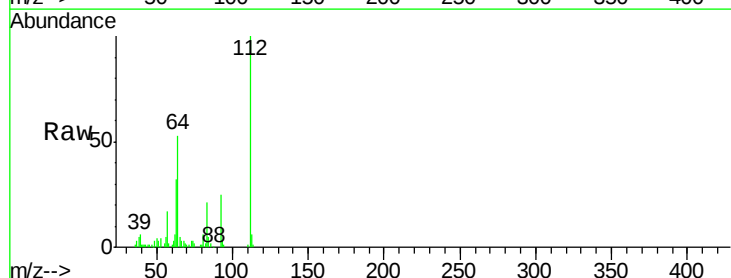
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#5

2-Fluorophenol
Concen: 13.60 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.01 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	71965		
64	52.9	42.4	63.6	
63	31.9	23.1	34.7	





#7

Phenol-d6

Concen: 14.29 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045325.D

Acq: 12 May 2020 11:18

Instrument :

BNA_G

ClientSampleId :

ETGI-346

Tgt Ion: 99 Resp: 112348

Ion Ratio Lower Upper

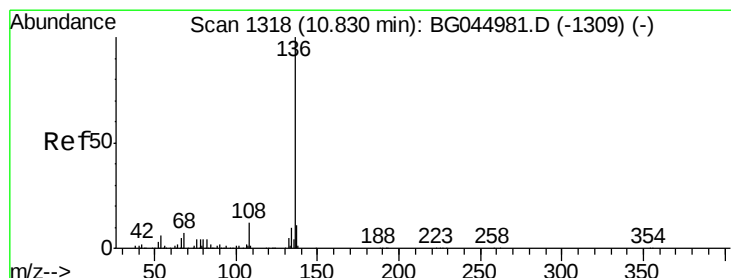
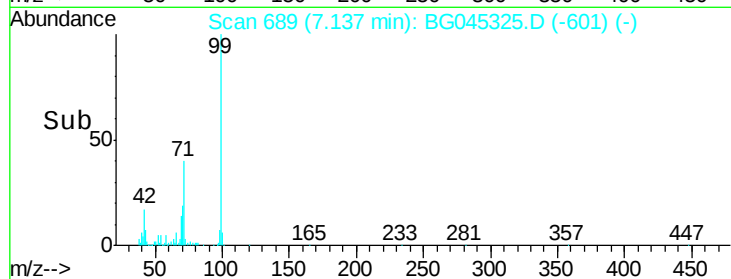
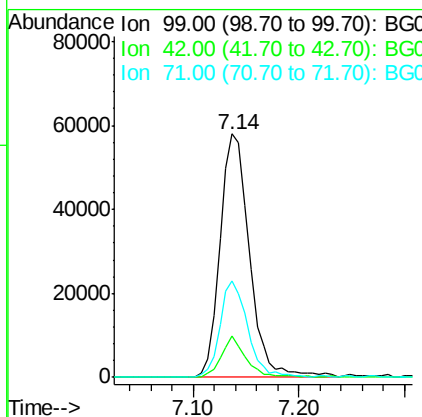
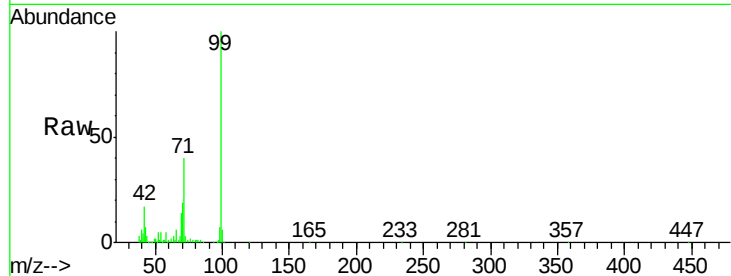
99 100

42 17.1 11.3 16.9#

71 39.8 28.3 42.5

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG045325.D

Acq: 12 May 2020 11:18

Tgt Ion: 136 Resp: 367221

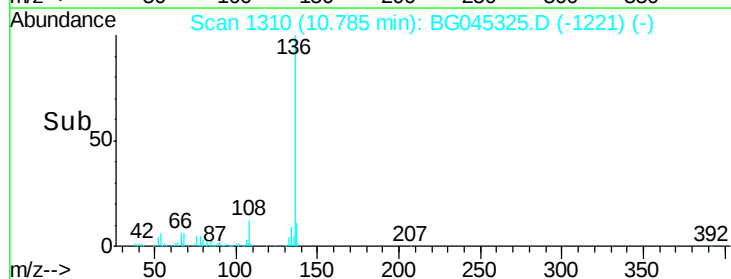
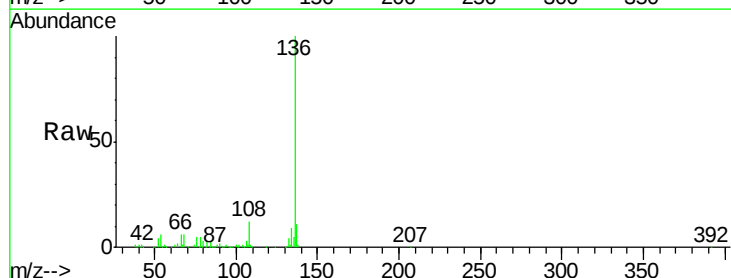
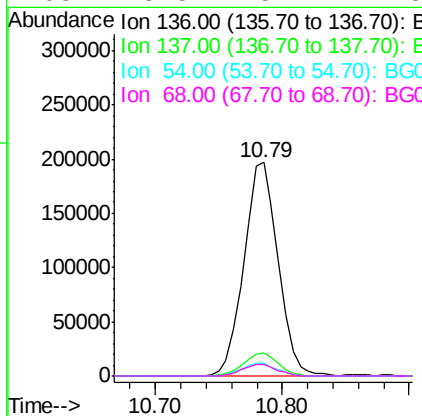
Ion Ratio Lower Upper

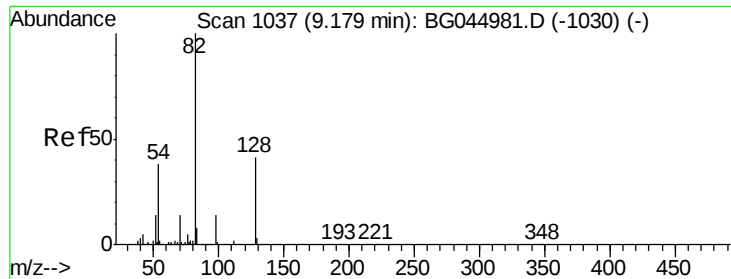
136 100

137 10.8 8.6 13.0

54 5.9 4.8 7.2

68 5.5 5.2 7.8





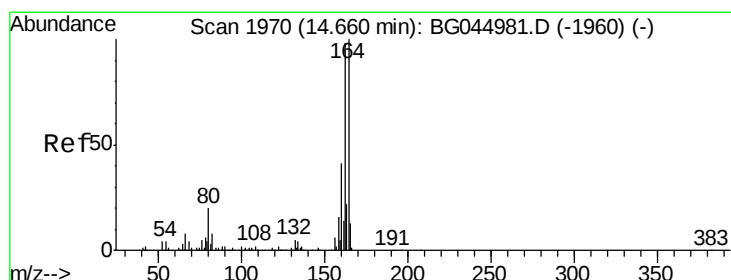
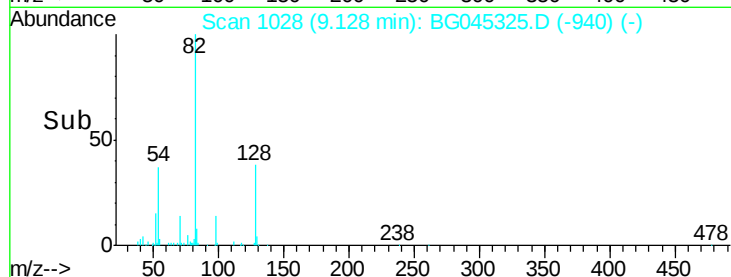
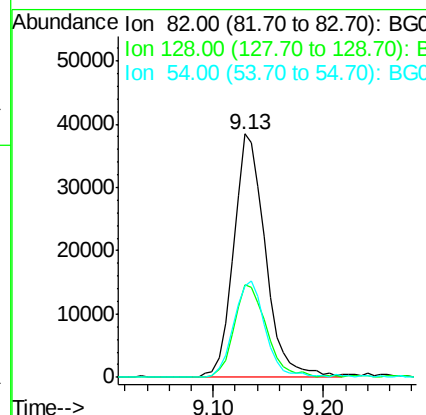
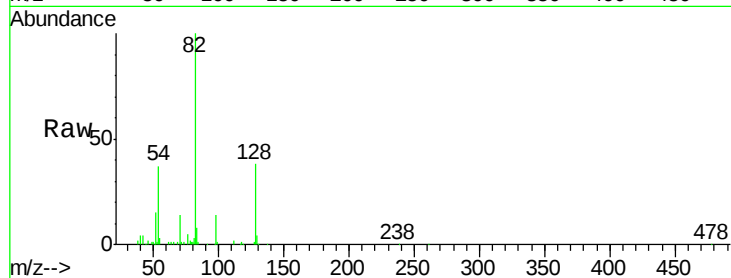
#23
Nitrobenzene-d5
Concen: 9.63 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Instrument :
BNA_G
ClientSampled :
ETGI-346

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.9	33.0	49.4
54	37.2	30.4	45.6

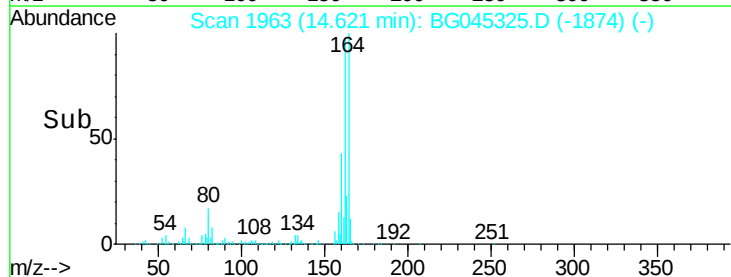
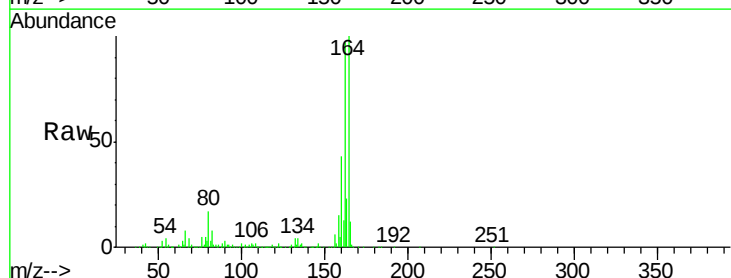
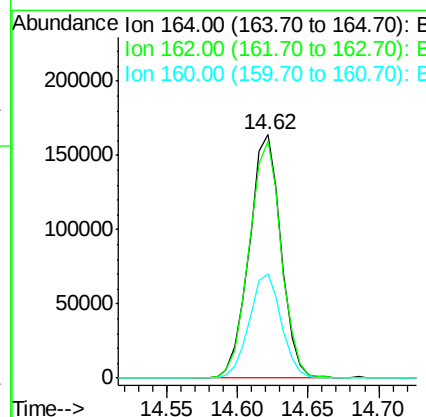
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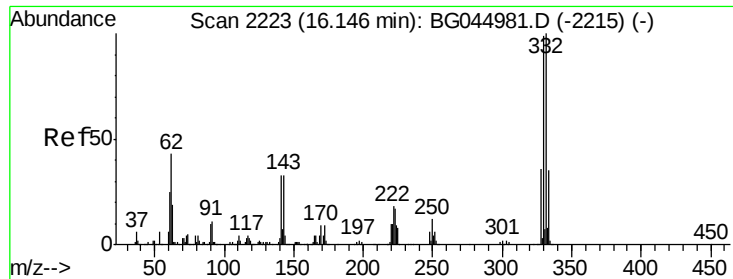
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.3	78.7	118.1
160	42.9	32.8	49.2





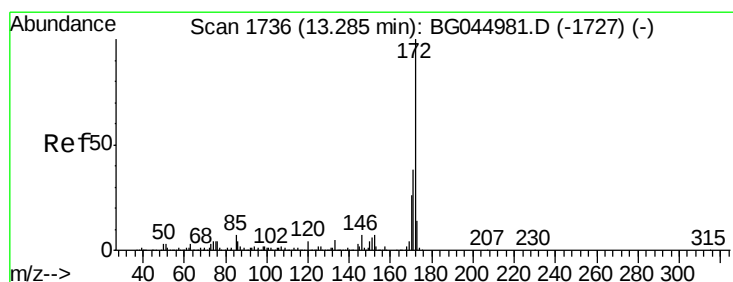
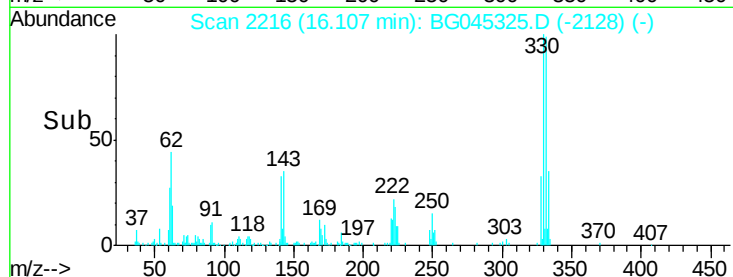
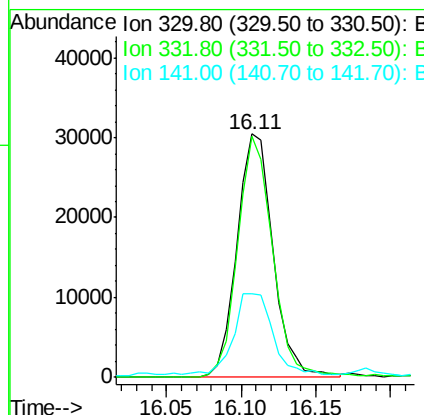
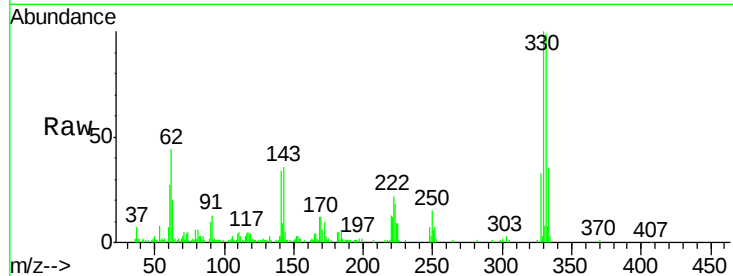
#42
2,4,6-Tribromophenol
Concen: 12.79 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Instrument :
BNA_G
ClientSampleId :
ETGI-346

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	51237		
332	95.9	79.1	118.7	
141	38.4	27.1	40.7	

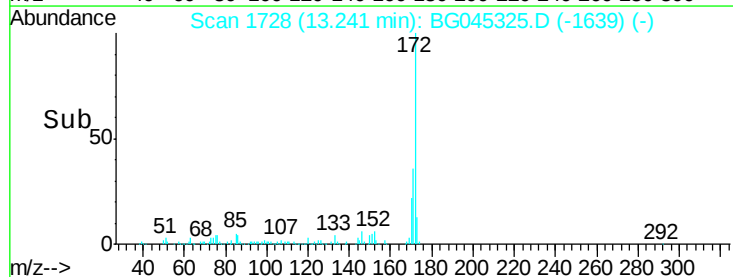
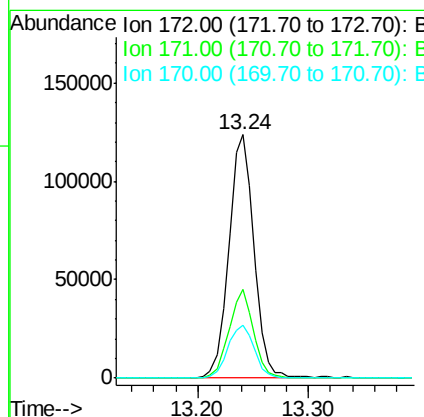
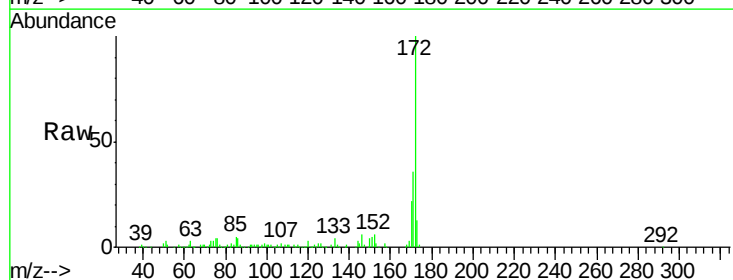
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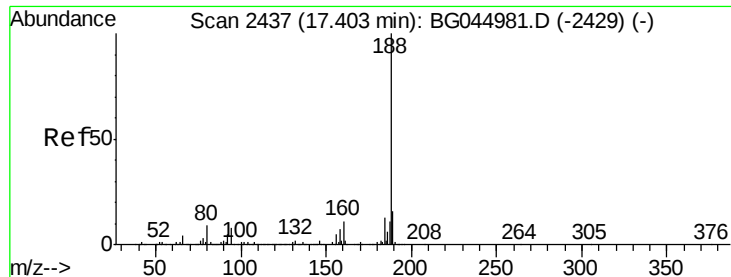
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#45
2-Fluorobiphenyl
Concen: 11.12 ng
RT: 13.24 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	196589		
171	36.2	30.6	46.0	
170	21.5	20.5	30.7	





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG045325.D

Acq: 12 May 2020 11:18

Instrument :

BNA_G

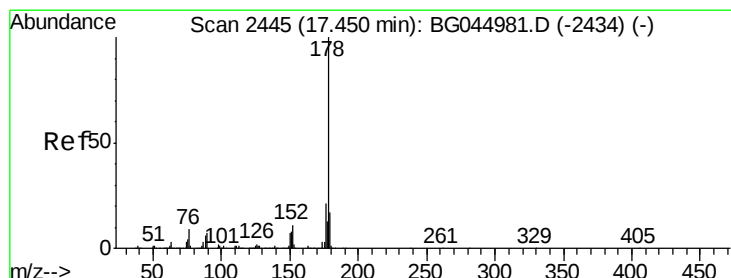
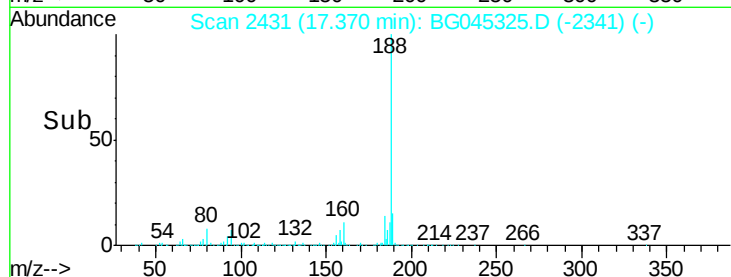
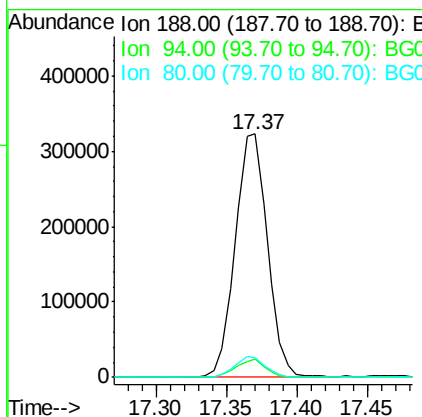
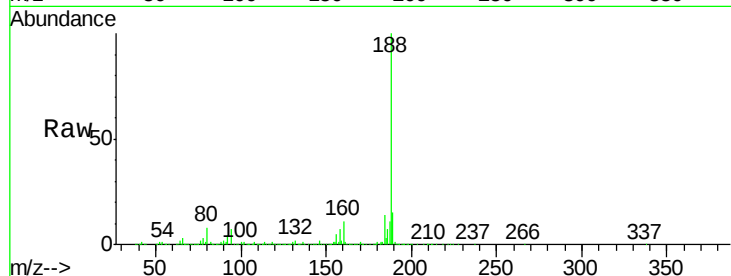
ClientSampleId :

ETGI-346

Tgt	Ion:188	Resp:	51525
Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.2	9.4
80	8.0	7.0	10.6

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#71

Phenanthrene

Concen: 7.42 ng

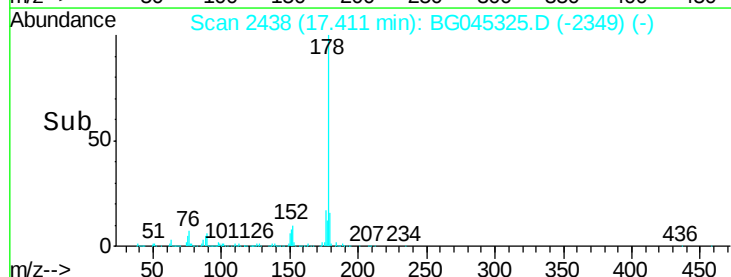
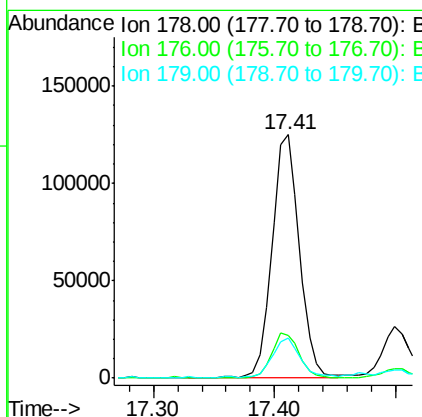
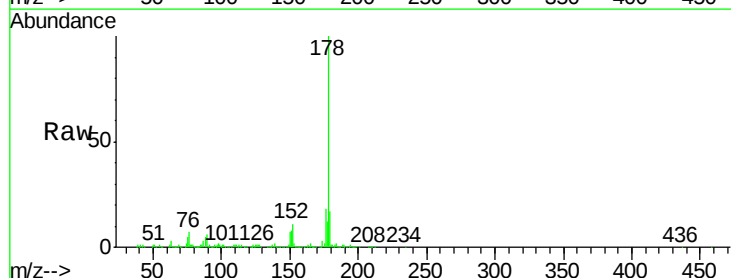
RT: 17.41 min Scan# 2438

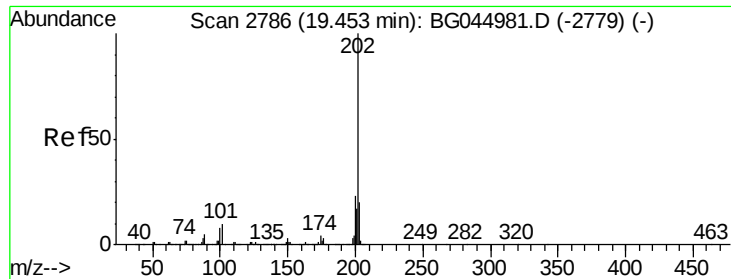
Delta R.T. -0.00 min

Lab File: BG045325.D

Acq: 12 May 2020 11:18

Tgt	Ion:178	Resp:	196599
Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.8	25.2
179	16.7	13.2	19.8





#75

Fluoranthene

Concen: 5.40 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG045325.D

Acq: 12 May 2020 11:18

Instrument :

BNA_G

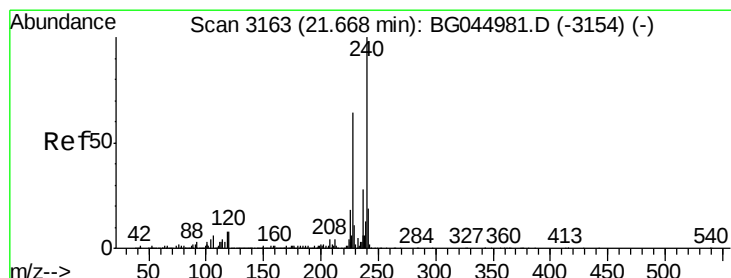
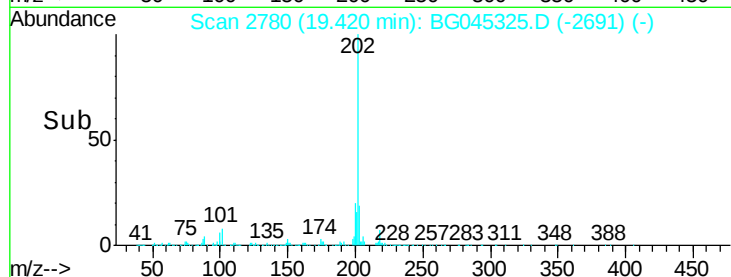
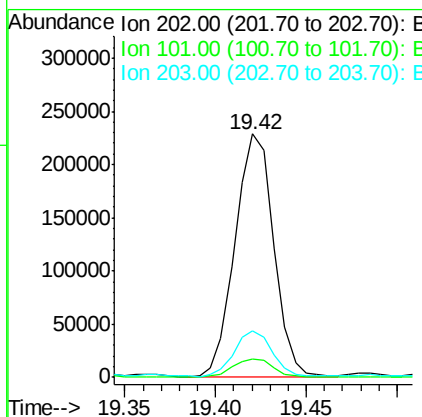
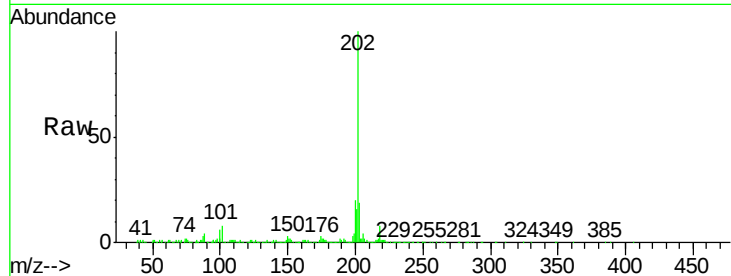
ClientSampleId :

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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		337104		
101	7.7	0.0	29.6		
203	18.9	0.0	39.7		

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#76

Chrysene-d12

Concen: 20.00 ng

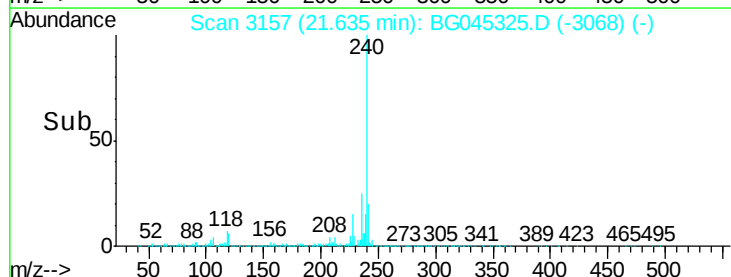
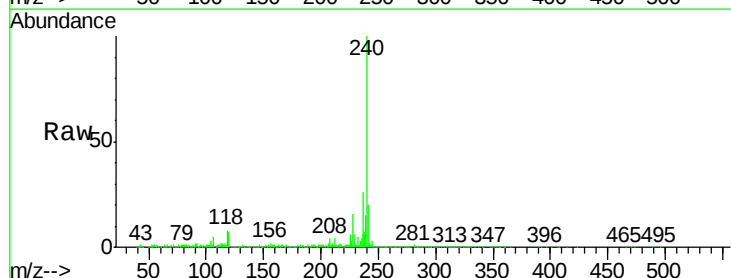
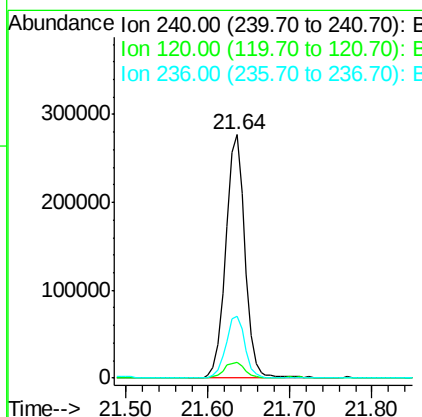
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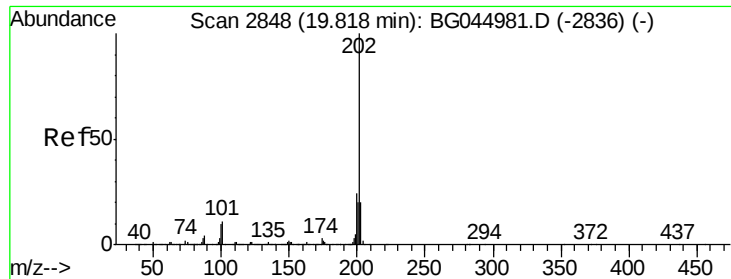
Delta R.T. -0.00 min

Lab File: BG045325.D

Acq: 12 May 2020 11:18

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		446181		
120	6.6	6.6	10.0#		
236	25.6	22.2	33.2		





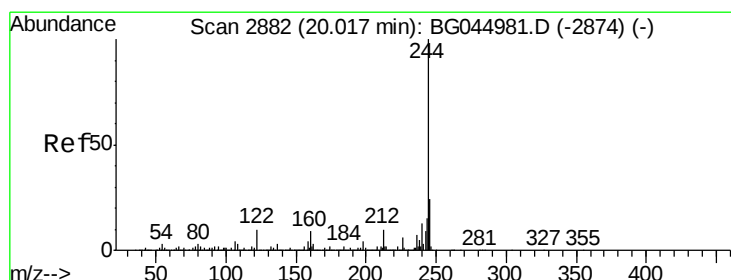
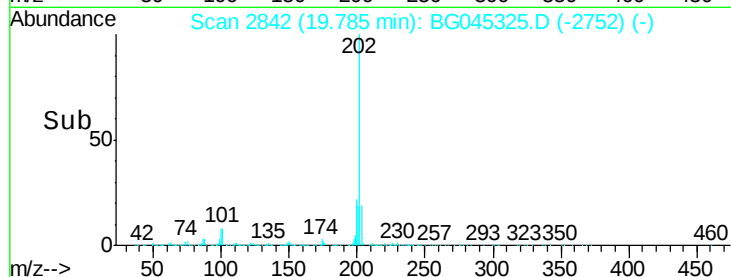
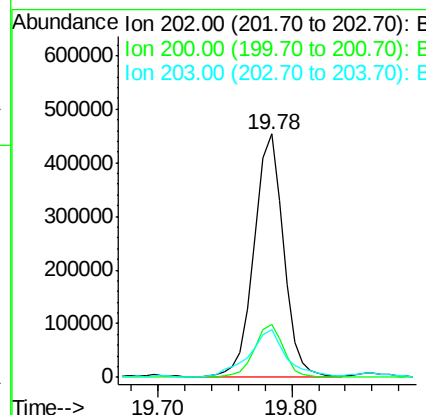
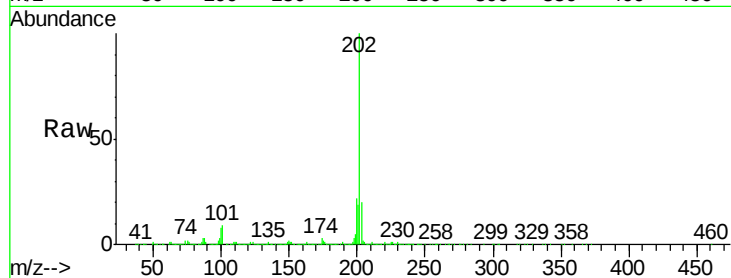
#78
 Pyrene
 Concen: 22.24 ng
 RT: 19.78 min Scan# 2842
 Delta R.T. 0.00 min
 Lab File: BG045325.D
 Acq: 12 May 2020 11:18

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.8	19.0	28.6	
203	19.6	16.1	24.1	

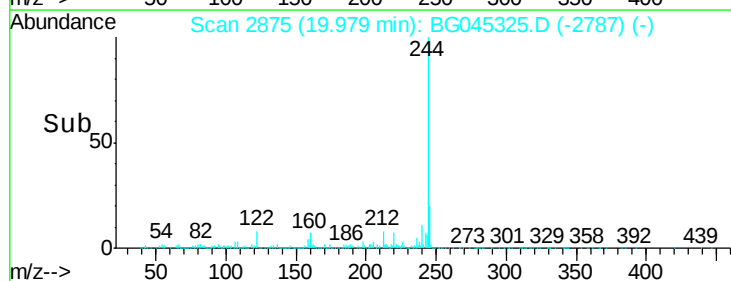
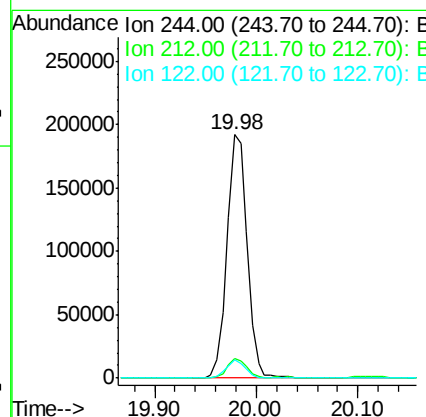
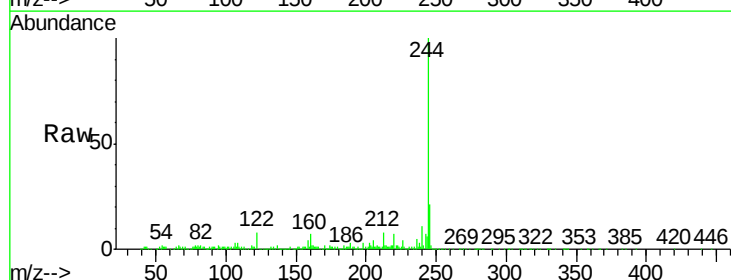
Manual Integrations
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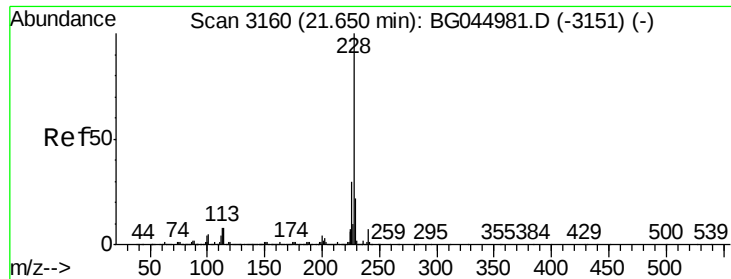
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#79
 Terphenyl-d14
 Concen: 13.00 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.01 min
 Lab File: BG045325.D
 Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.2	7.9	11.9	
122	7.5	7.7	11.5#	





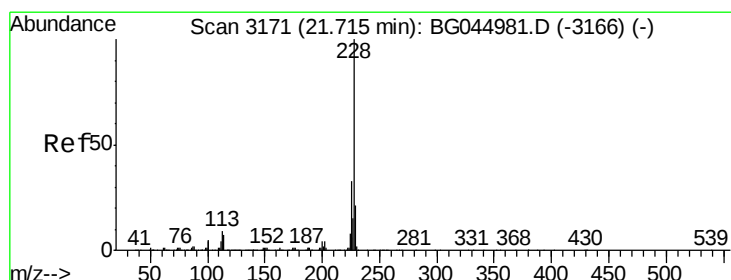
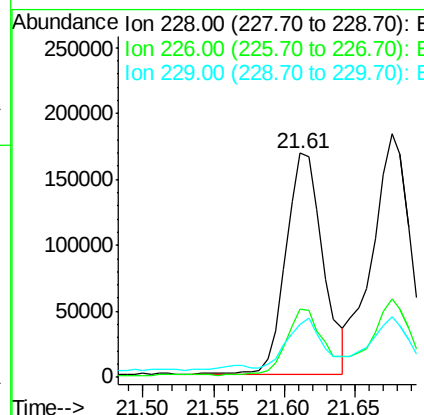
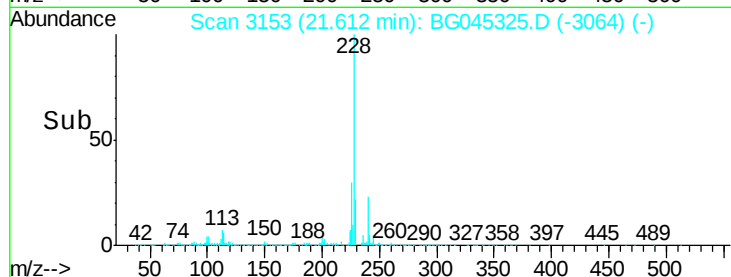
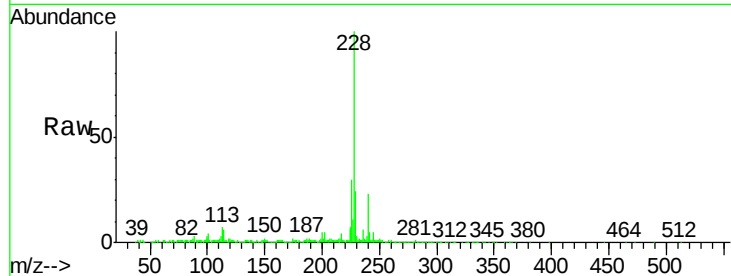
#81
Benzo(a)anthracene
Concen: 10.63 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Instrument :
BNA_G
ClientSampled :
ETGI-346

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	307298		
226	30.5	24.0	36.0	
229	23.7	17.5	26.3	

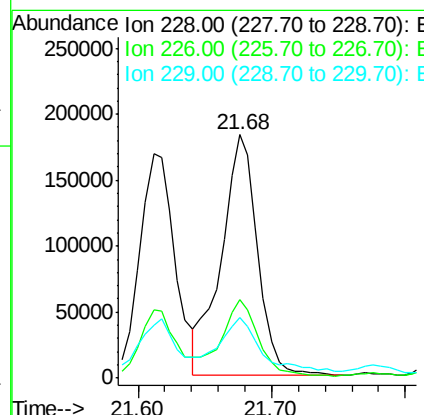
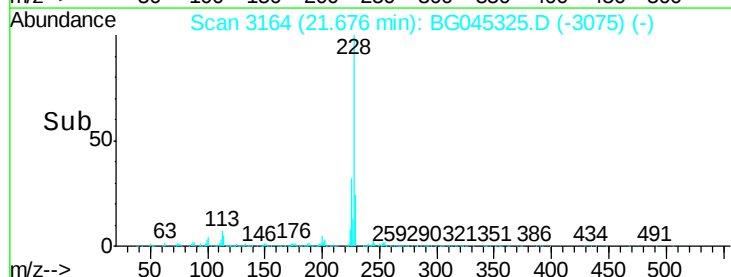
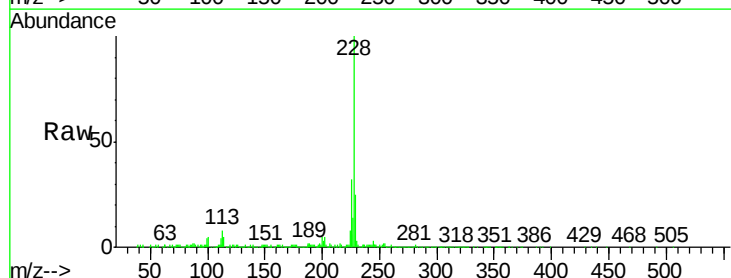
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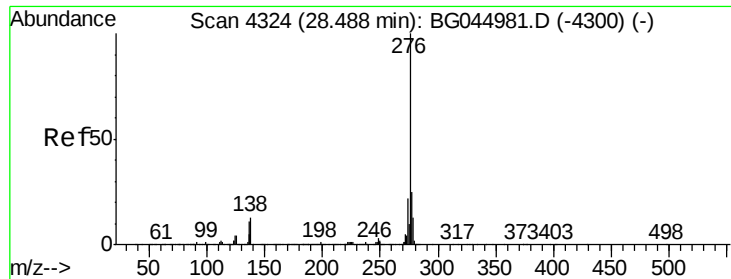
mohammad
5/13/2020 8:15:54 AM



#83
Chrysene
Concen: 12.47 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	346362		
226	32.4	26.2	39.4	
229	24.9	17.0	25.6	





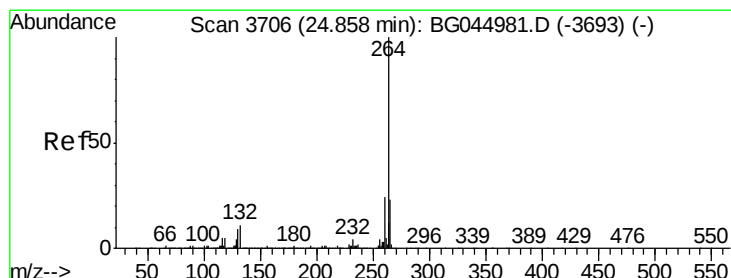
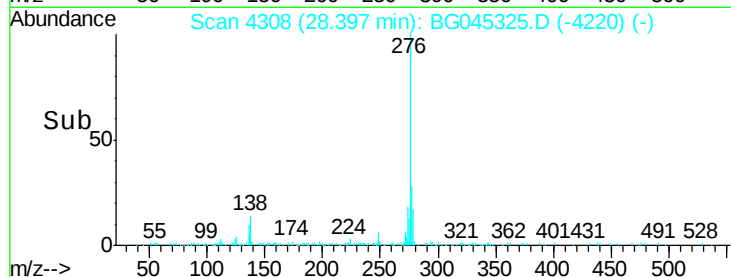
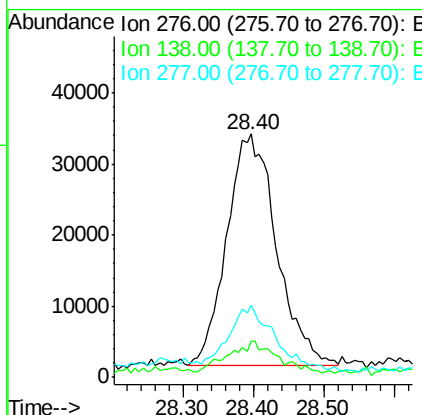
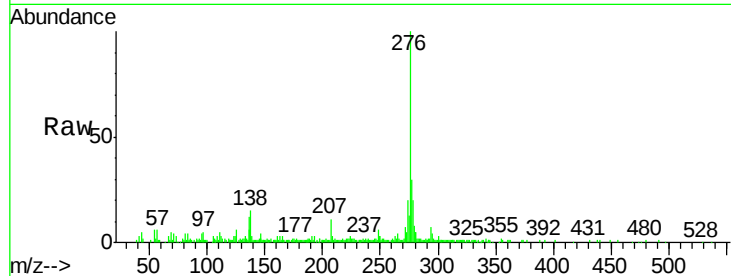
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.32 ng
RT: 28.40 min Scan# 4308
Delta R.T. -0.01 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Instrument :
BNA_G
ClientSampleId :
ETGI-346

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	159275		
138	14.6	9.6	14.4#	
277	25.4	20.6	31.0	

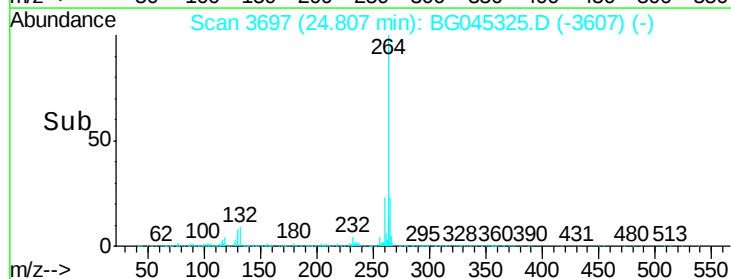
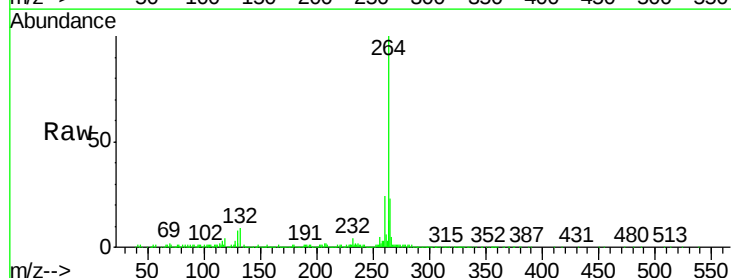
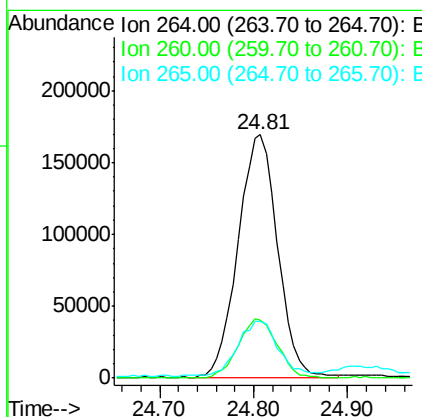
Manual Integrations
APPROVED

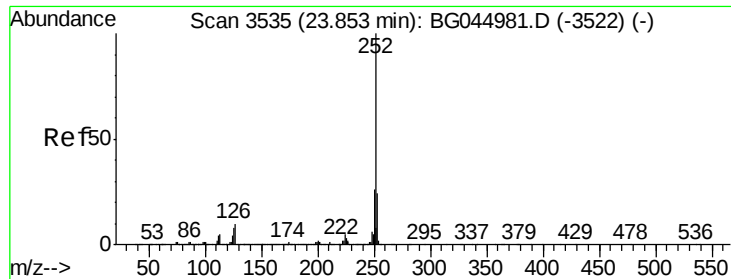
mohammad
5/13/2020 8:15:54 AM



#87
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 3697
Delta R.T. 0.00 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	490594		
260	23.6	19.2	28.8	
265	23.4	19.0	28.4	





#88

Benzo(b)fluoranthene

Concen: 9.39 ng m

RT: 23.80 min Scan# 3526

Delta R.T. -0.00 min

Lab File: BG045325.D

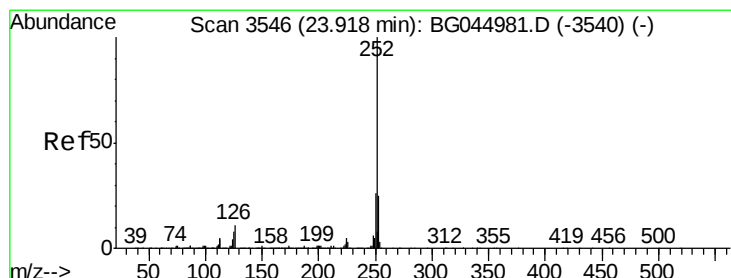
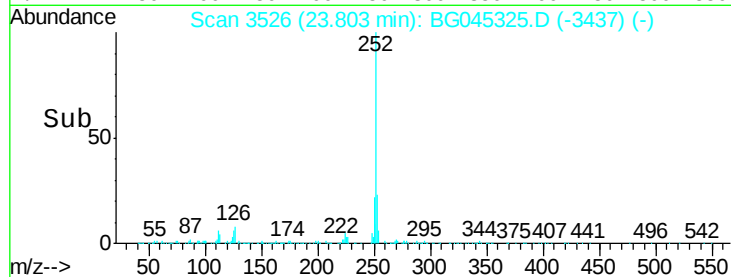
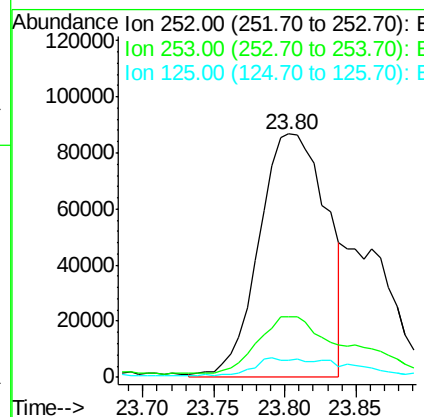
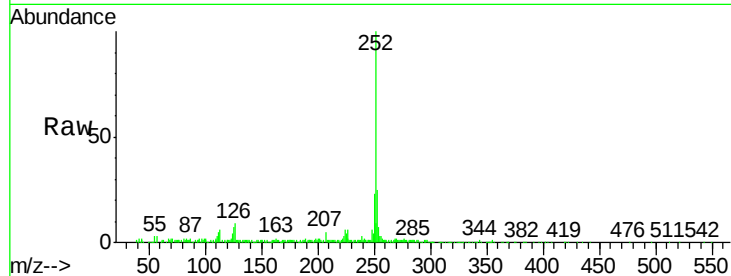
Acq: 12 May 2020 11:18

Instrument :
BNA_G
ClientSampleId :
ETGI-346

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.1	18.8	28.2
125	7.1	6.2	9.4

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 3.86 ng m

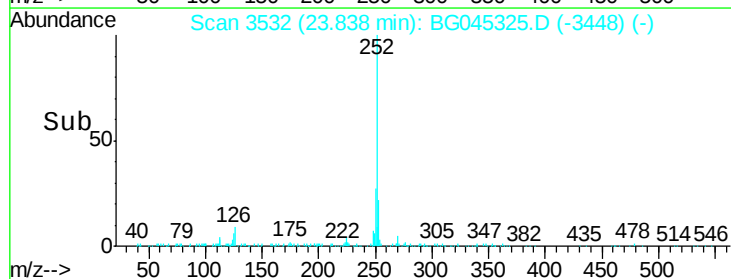
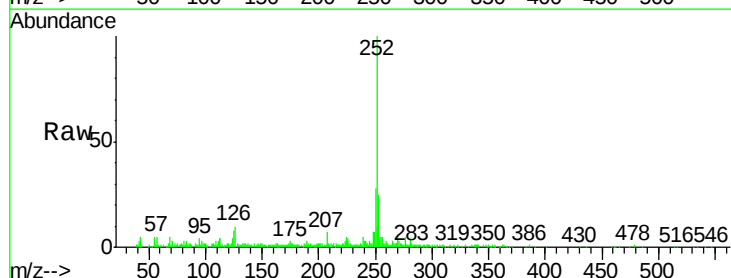
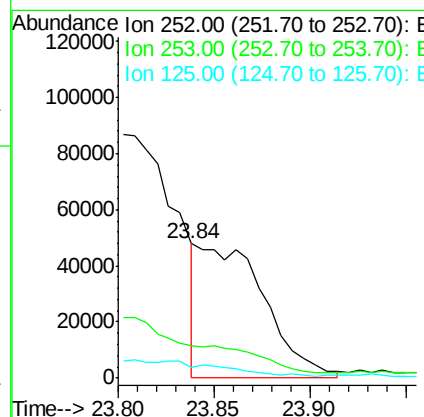
RT: 23.84 min Scan# 3532

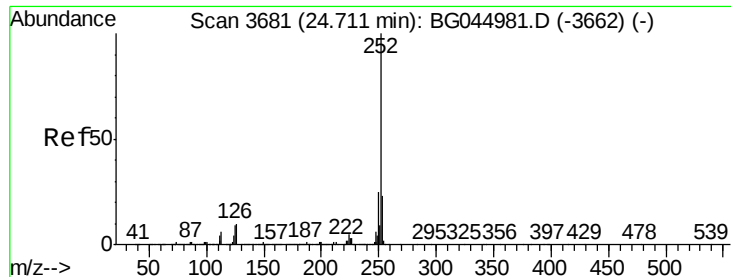
Delta R.T. -0.03 min

Lab File: BG045325.D

Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.5	19.2	28.8
125	7.8	5.9	8.9





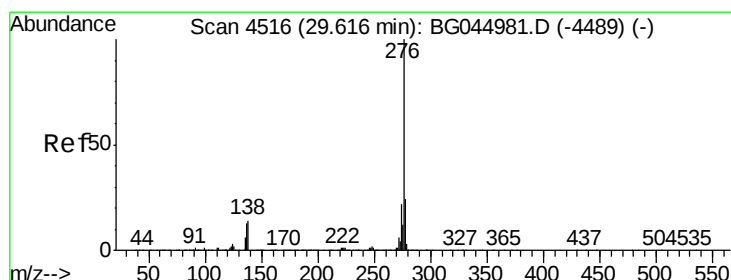
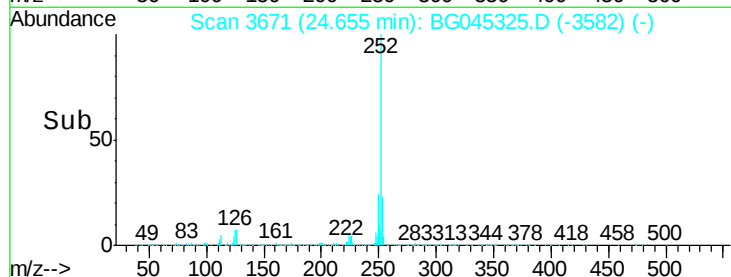
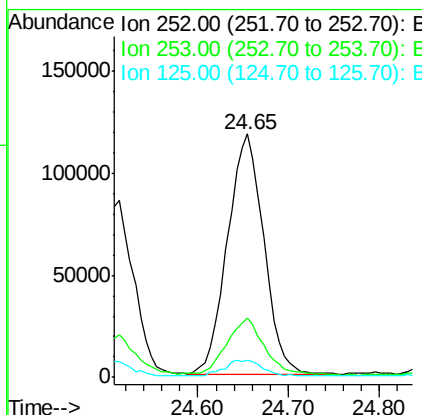
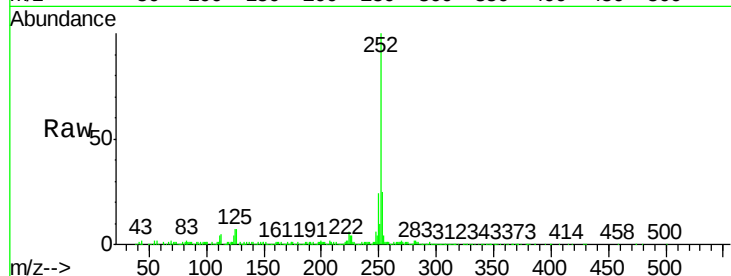
#90
Benzo(a)pyrene
Concen: 11.39 ng
RT: 24.65 min Scan# 3671
Delta R.T. -0.00 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Instrument :
BNA_G
ClientSampleId :
ETGI-346

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	330602		
253	24.5	18.3	27.5	
125	7.1	7.0	10.6	

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#92
Benzo(g,h,i)perylene
Concen: 7.75 ng
RT: 29.52 min Scan# 4499
Delta R.T. -0.01 min
Lab File: BG045325.D
Acq: 12 May 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	227214		
277	21.8	19.3	28.9	
138	10.7	11.4	17.2	

