

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045172.D
 Acq On : 24 Apr 2020 22:23
 Operator : CG/JU
 Sample : L2401-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRAINAGE-SEWALE

Manual Integrations
 APPROVED

mohammad
 4/27/2020 3:05:49 PM

Quant Time: Apr 25 01:07:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	61946	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	242489	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	177715	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	450889	20.00	ng	0.00
76) Chrysene-d12	21.65	240	455580	20.00	ng	0.00
87) Perylene-d12	24.82	264	483350	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	23619	6.29	ng	0.00
7) Phenol-d6	7.16	99	34190	6.13	ng	0.00
23) Nitrobenzene-d5	9.16	82	21067	3.96	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	17402	6.34	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	55508	4.58	ng	0.00
79) Terphenyl-d14	19.99	244	116894	5.59	ng	0.00
Target Compounds						
71) Phenanthrene	17.42	178	200910	8.671	ng	98
75) Fluoranthene	19.43	202	497452	14.018	ng	96
78) Pyrene	19.79	202	394749	12.568	ng	95
81) Benzo(a)anthracene	21.62	228	204322	6.920	ng	99
83) Chrysene	21.69	228	215677	7.602	ng	94
86) Indeno(1,2,3-cd)pyrene	28.40	276	162459	4.313	ng	97
88) Benzo(b)fluoranthene	23.81	252	315966	10.436	ng	98
89) Benzo(k)fluoranthene	23.88	252	95043m	3.301	ng	
90) Benzo(a)pyrene	24.67	252	196551m	6.876	ng	
92) Benzo(g,h,i)perylene	29.53	276	155579	5.387	ng	99

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

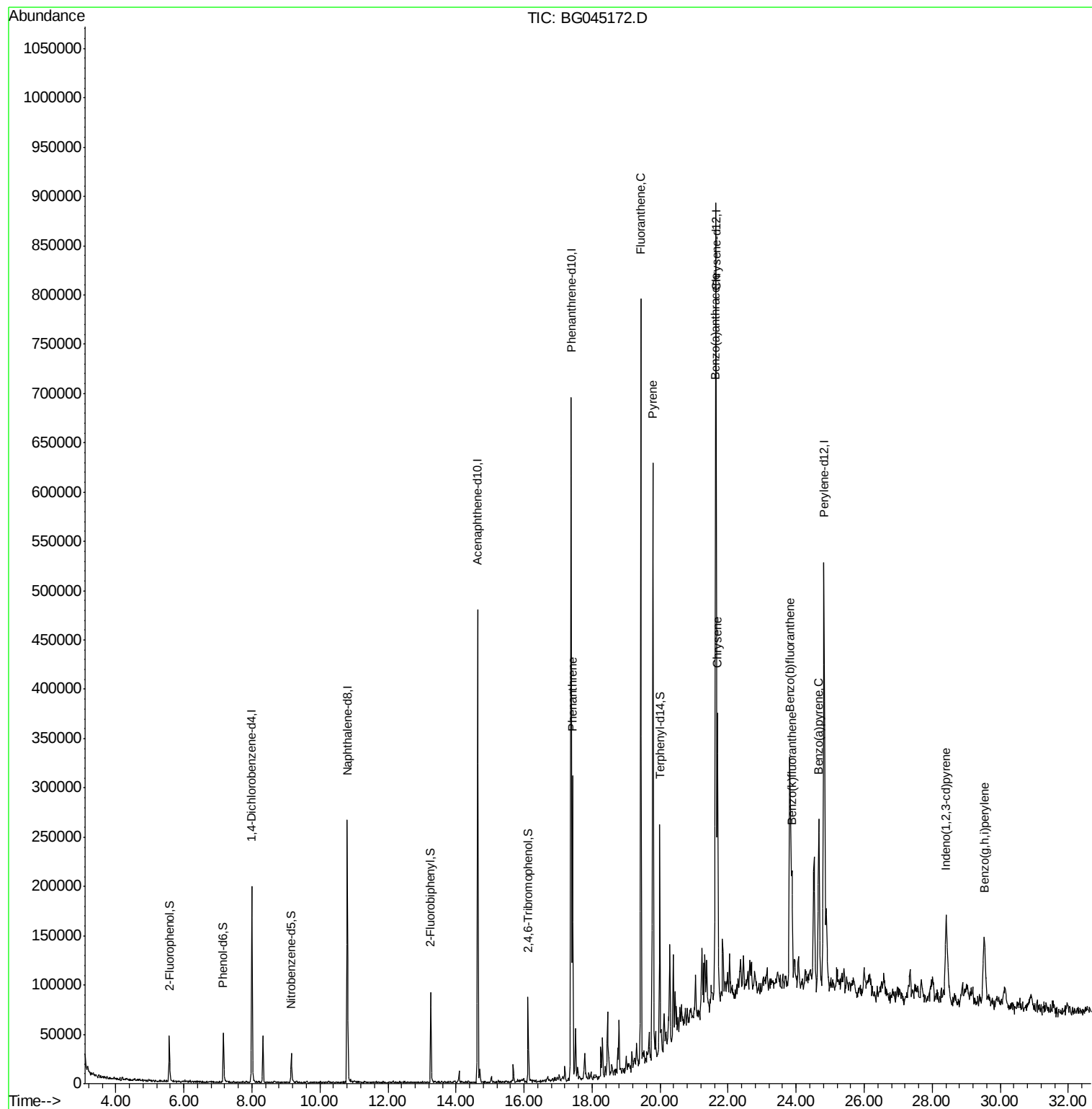
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
Data File : BG045172.D
Acq On : 24 Apr 2020 22:23
Operator : CG/JU
Sample : L2401-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

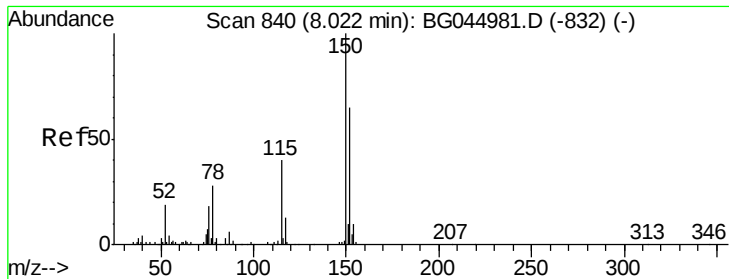
Instrument :
BNA_G
ClientSampleId :
DRAINAGE-SEWALE

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Quant Time: Apr 25 01:07:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
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#1

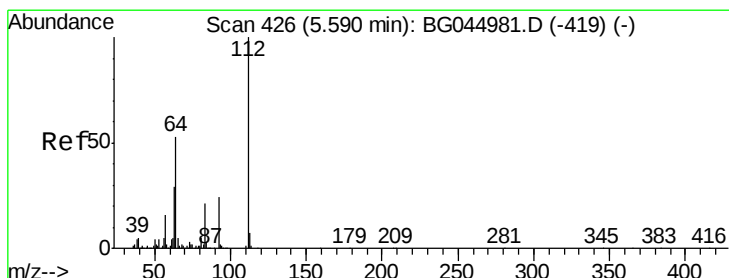
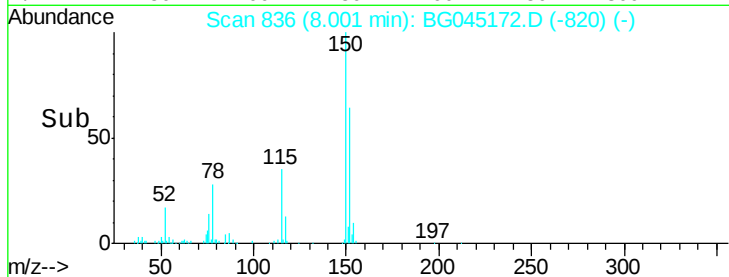
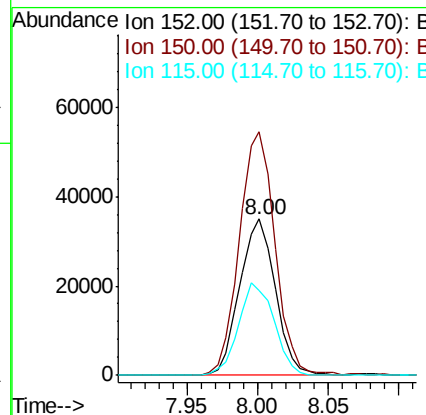
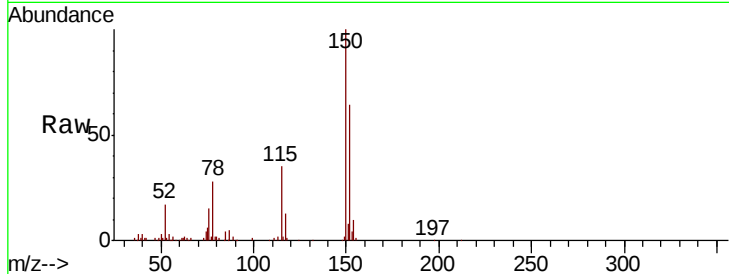
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Instrument :
BNA_G
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.6	185.4
115	54.5	49.1	73.7

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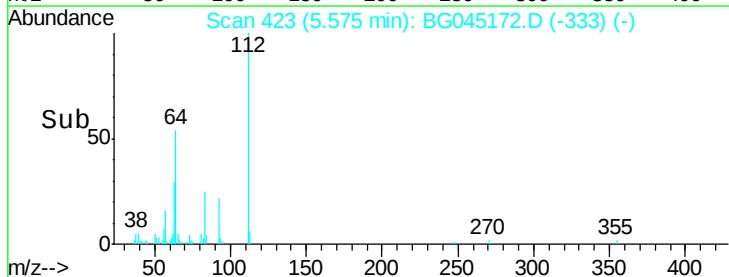
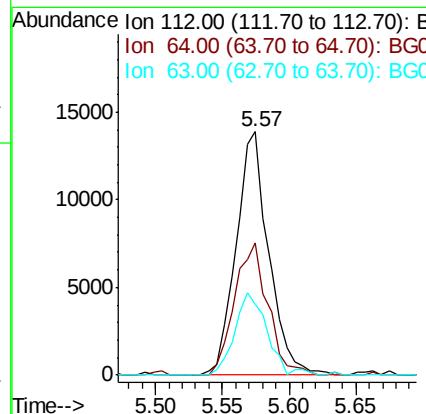
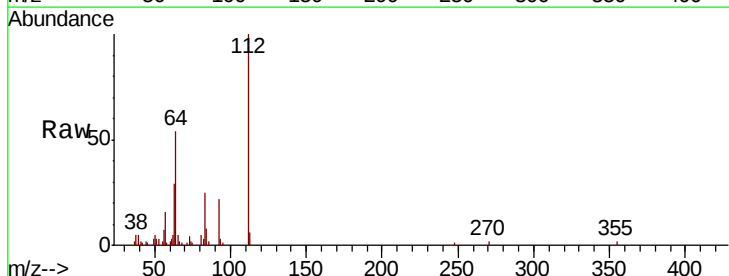
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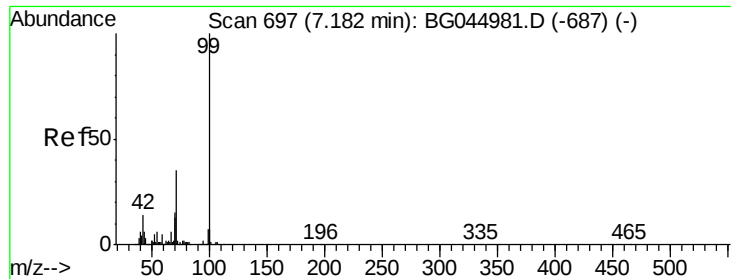


#5

2-Fluorophenol
Concen: 6.295 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.4	63.6
63	29.0	23.1	34.7





#7

Phenol-d6

Concen: 6.133 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

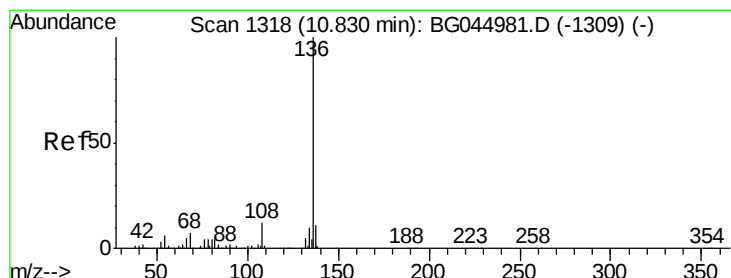
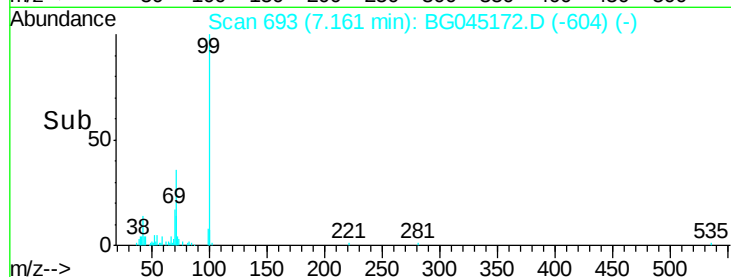
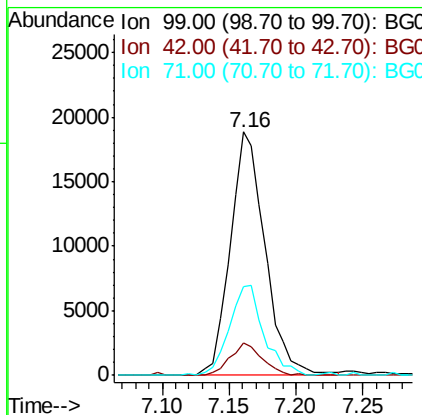
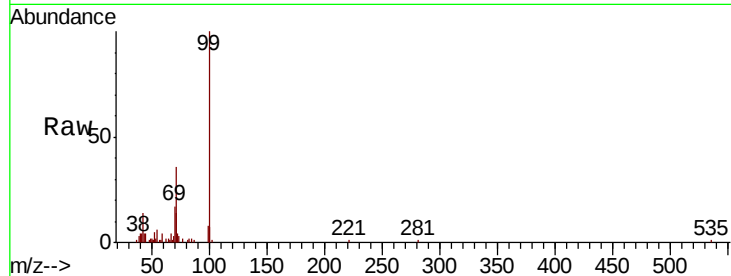
ClientSampleId :

DRAINAGE-SEWALE

Tot Ion:	99	Resp:	34190
Ion	Ratio	Lower	Upper
99	100		
42	13.5	11.3	16.9
71	36.3	28.3	42.5

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#21

Naphthalene-d8

Concen: 20.000 ng

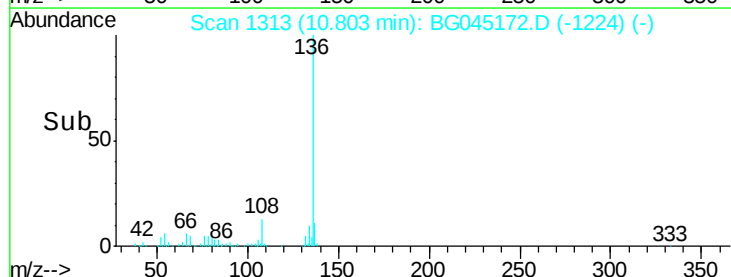
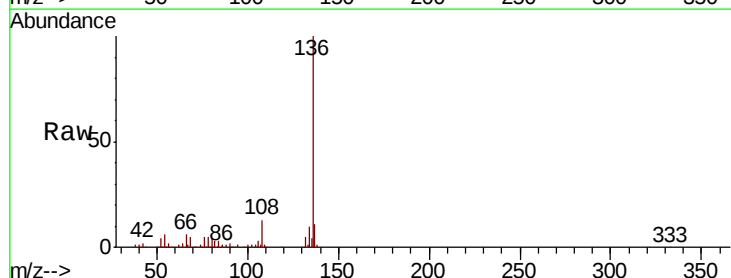
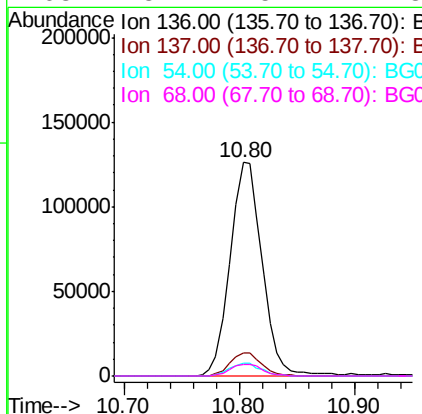
RT: 10.80 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Tgt Ion:	136	Resp:	242489
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	6.3	4.8	7.2
68	5.4	5.2	7.8





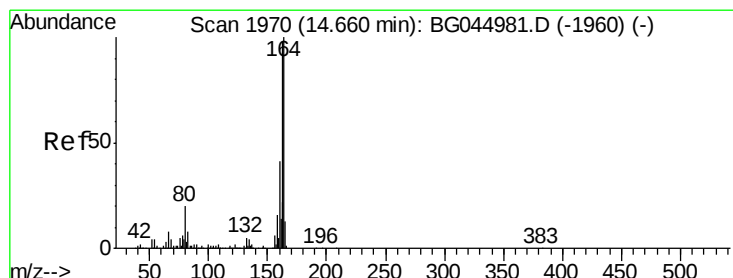
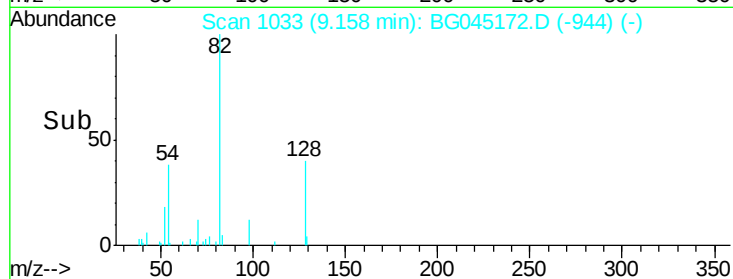
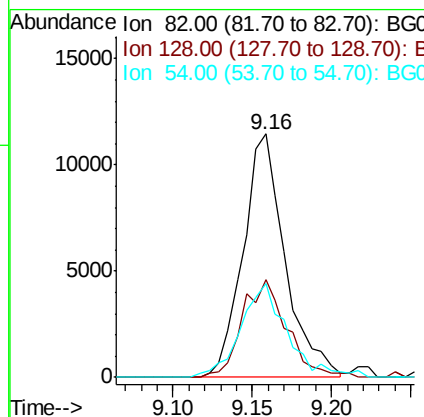
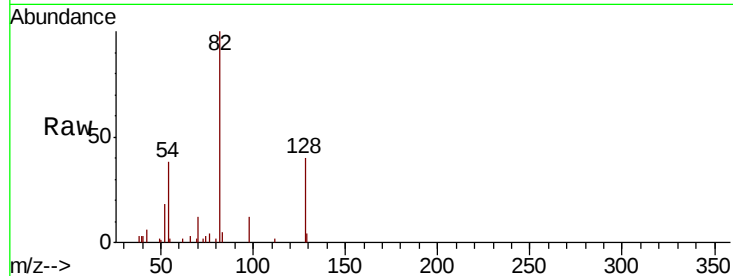
#23
Nitrobenzene-d5
Concen: 3.964 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Instrument :
BNA_G
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.0	49.4
54	38.4	30.4	45.6

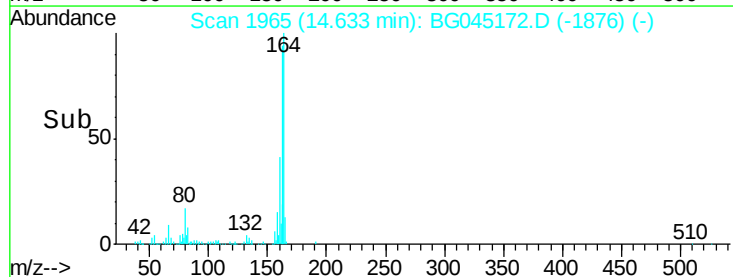
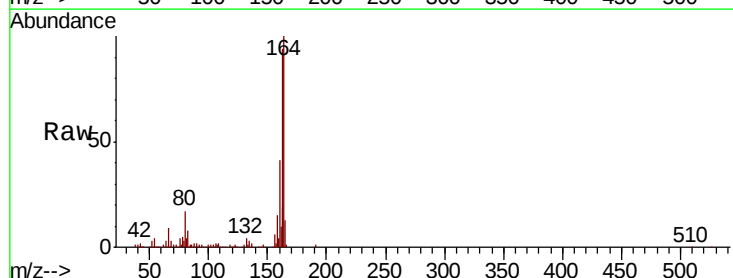
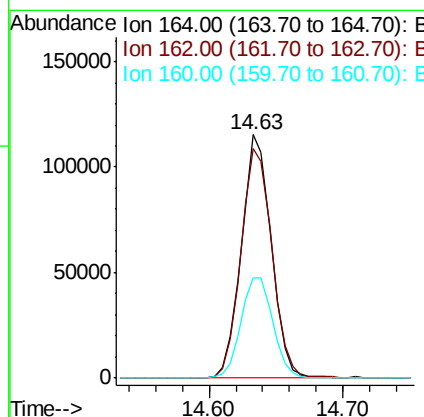
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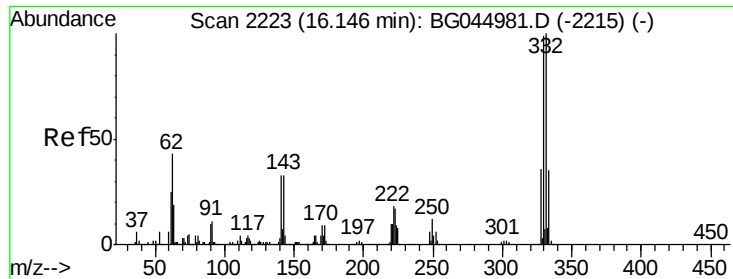
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.4	78.7	118.1
160	41.3	32.8	49.2





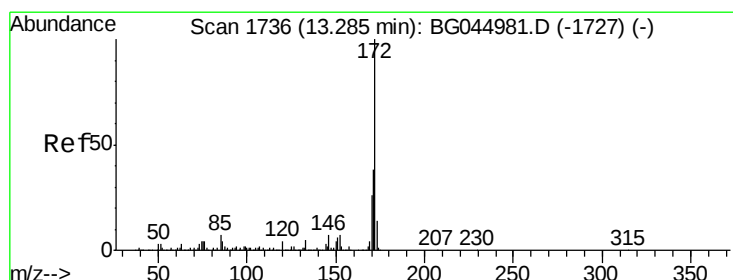
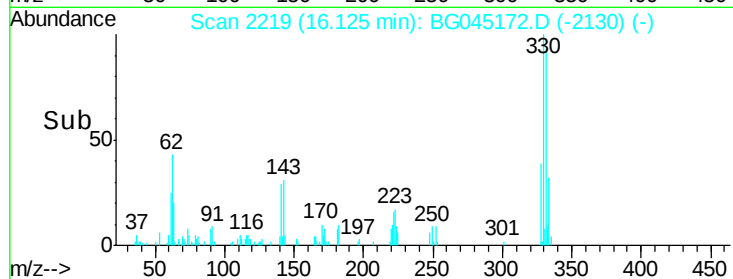
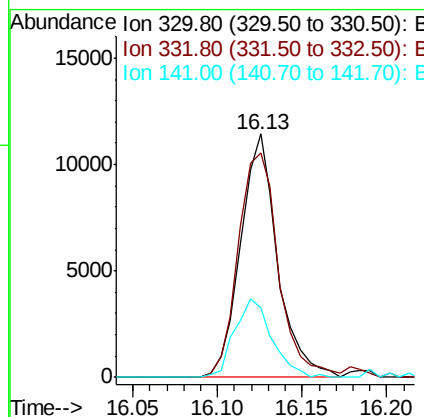
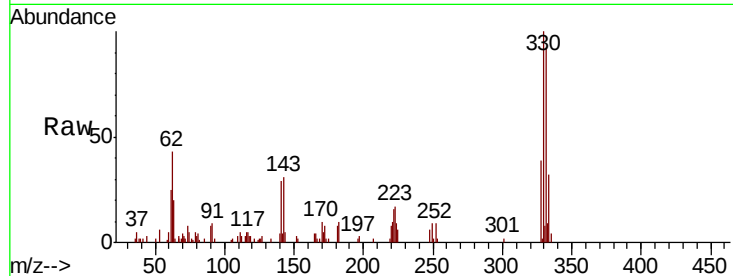
#42
2,4,6-Tribromophenol
Concen: 6.338 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Instrument :
BNA_G
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.4	79.1	118.7
141	32.7	27.1	40.7

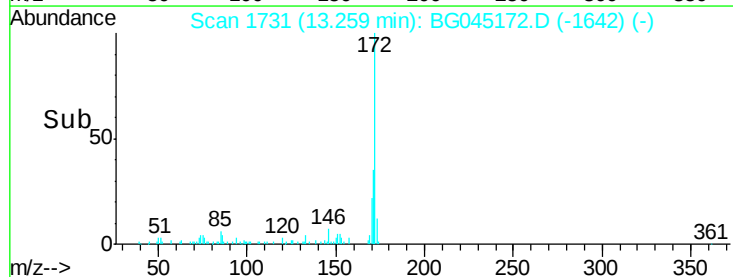
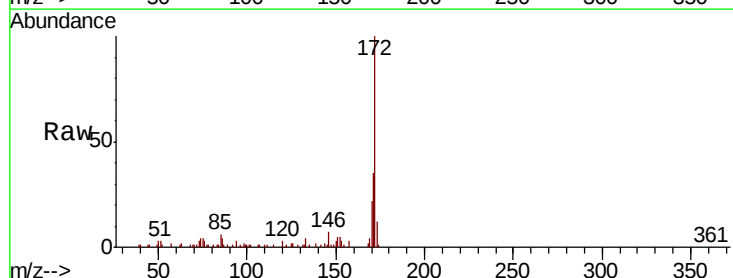
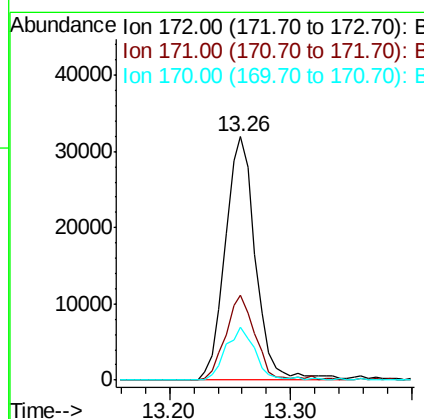
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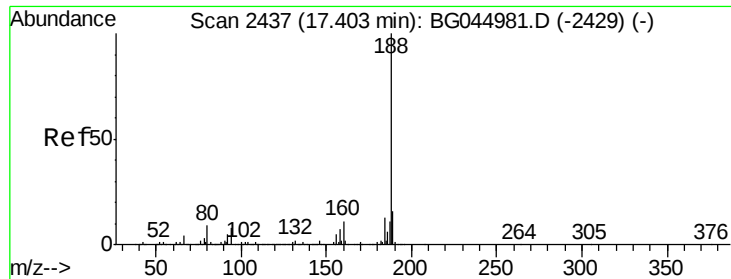
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#45
2-Fluorobiphenyl
Concen: 4.580 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.6	46.0
170	21.8	20.5	30.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

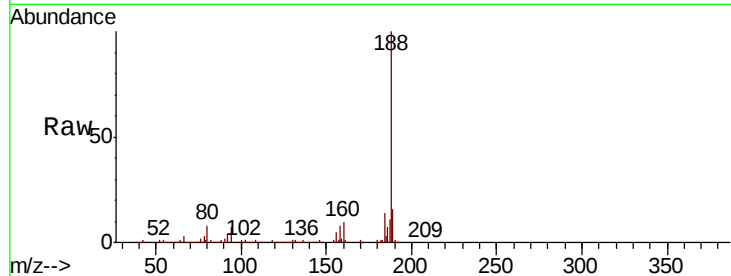
ClientSampleId :

DRAINAGE-SEWALE

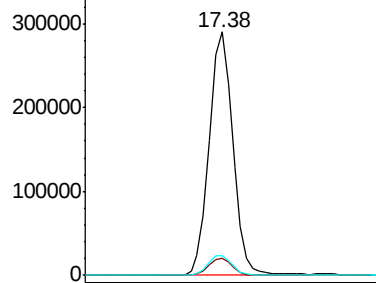
Tot Ion:	188	Resp:	450889
Ion Ratio	Lower	Upper	
188	100		
94	6.9	6.2	9.4
80	8.1	7.0	10.6

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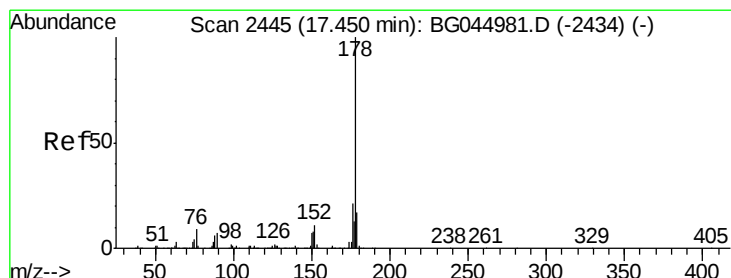
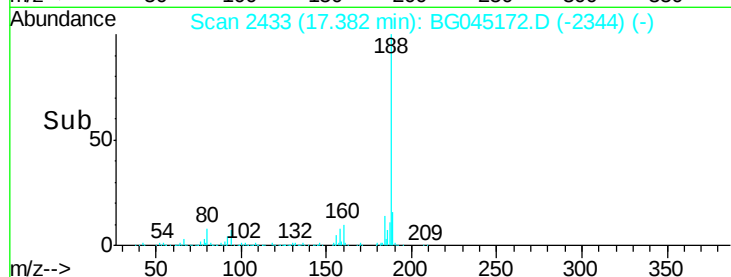
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO



Time-->



#71

Phenanthrene

Concen: 8.671 ng

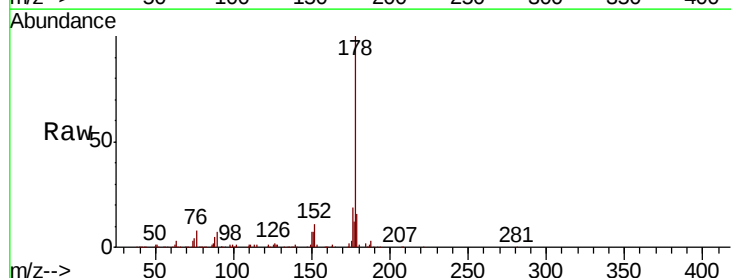
RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

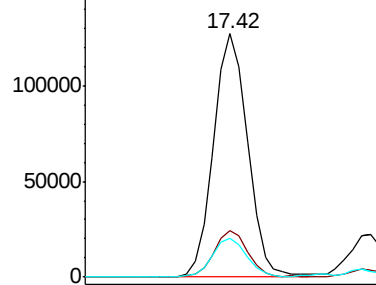
Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

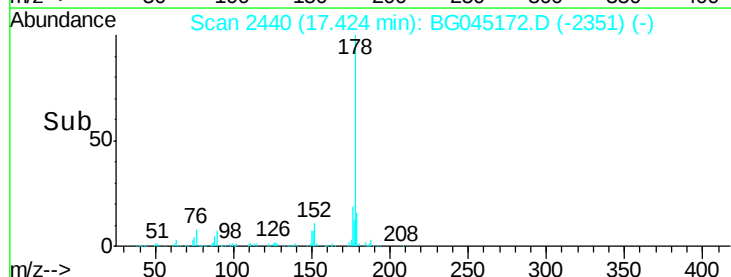
Tgt Ion:	178	Resp:	200910
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.8	25.2
179	16.0	13.2	19.8

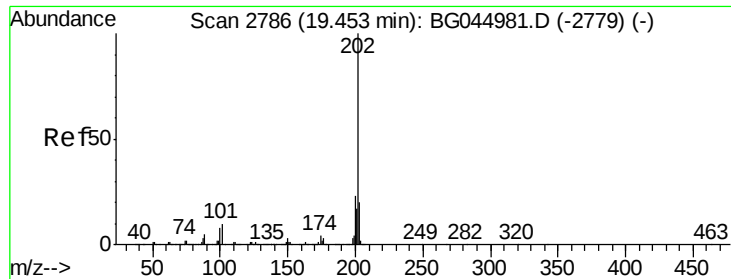


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#75

Fluoranthene

Concen: 14.018 ng

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

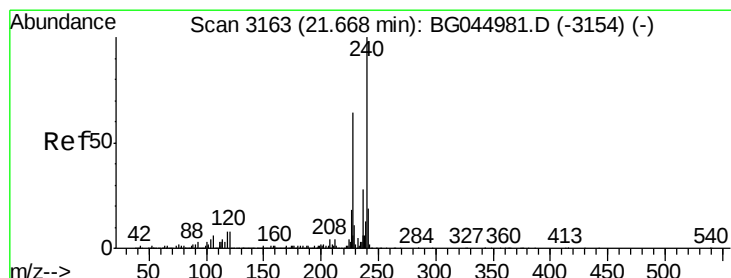
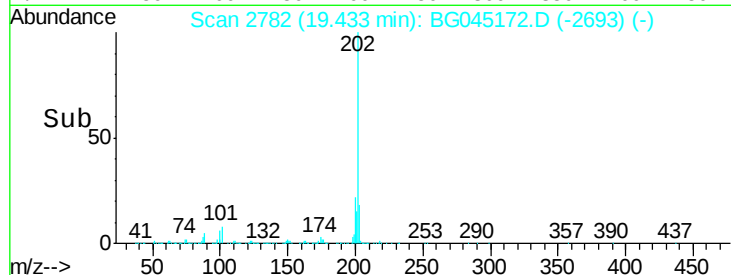
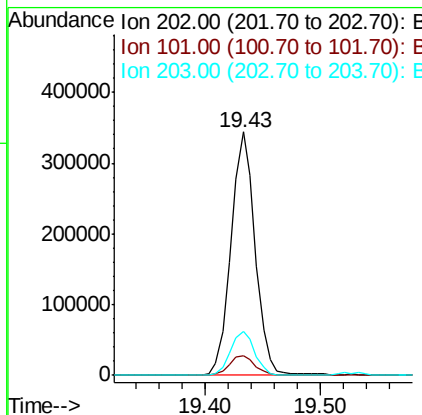
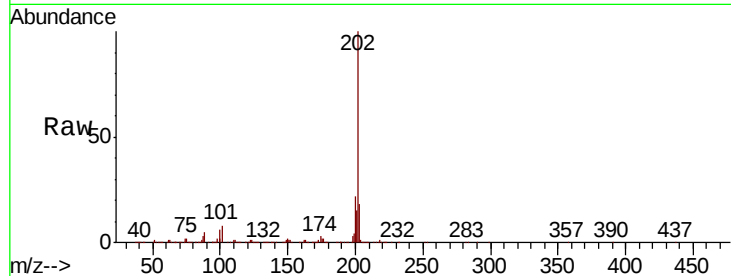
ClientSampleId :

DRAINAGE-SEWALE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	497452		
101	8.2	0.0	29.6	
203	17.9	0.0	39.7	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

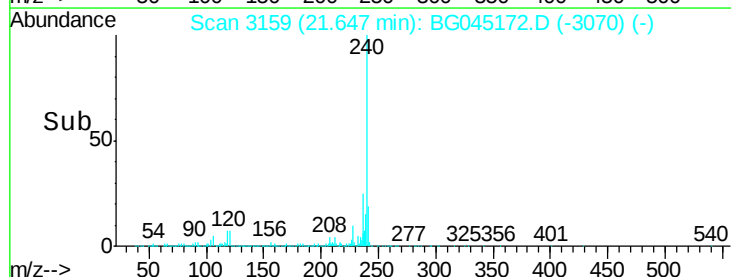
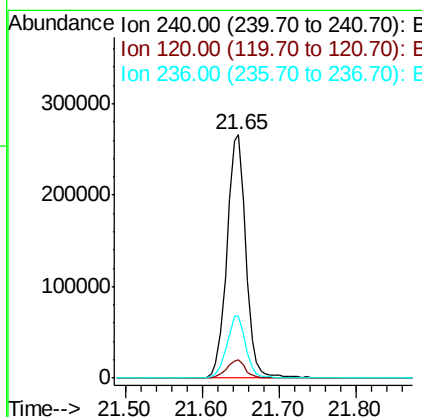
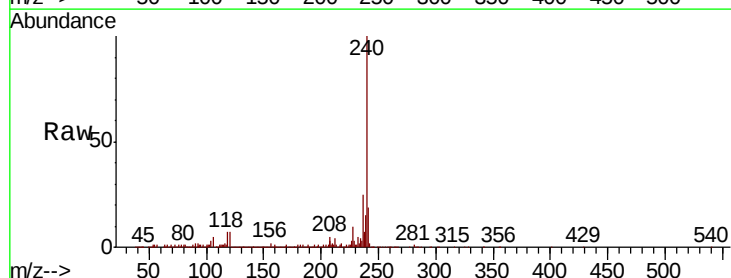
RT: 21.65 min Scan# 3159

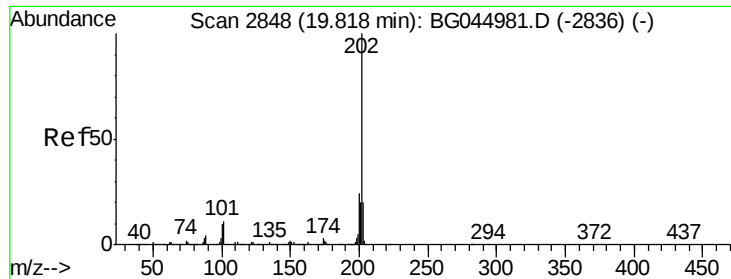
Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	455580		
120	7.3	6.6	10.0	
236	25.4	22.2	33.2	





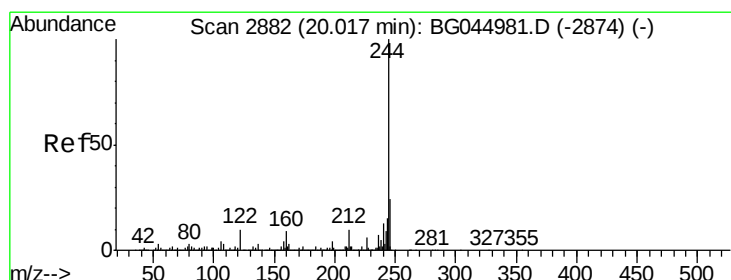
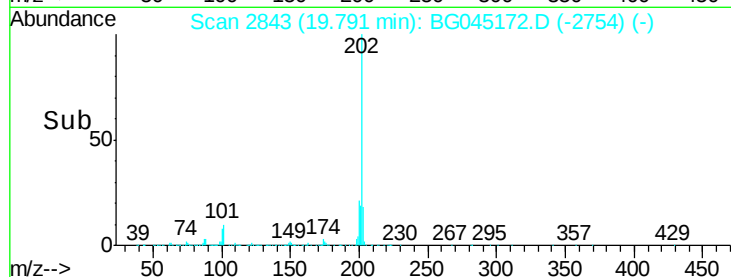
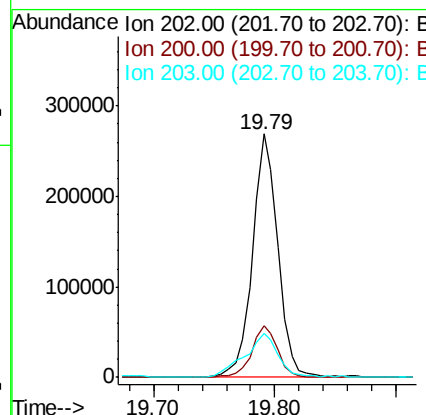
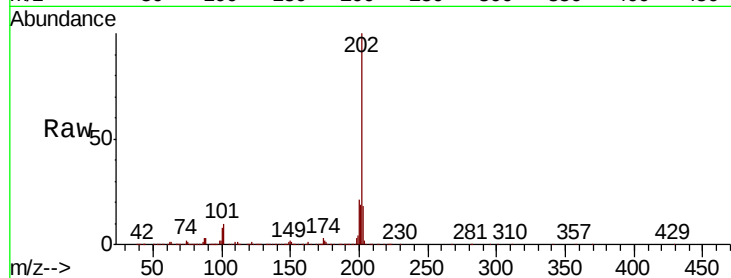
#78
Pvrene
Concen: 12.568 ng
RT: 19.79 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Instrument :
BNA_G
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.6
203	17.9	16.1	24.1

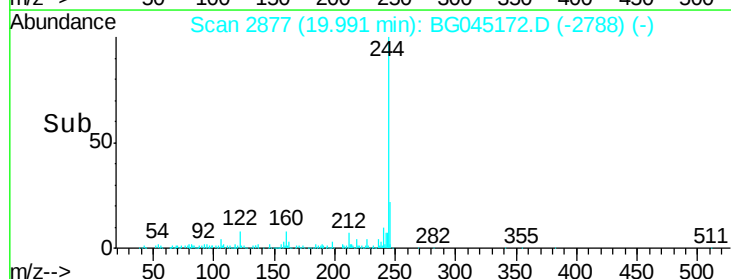
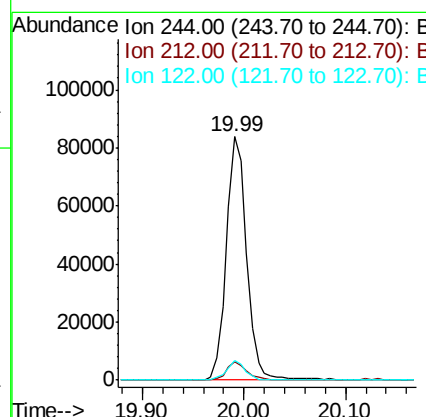
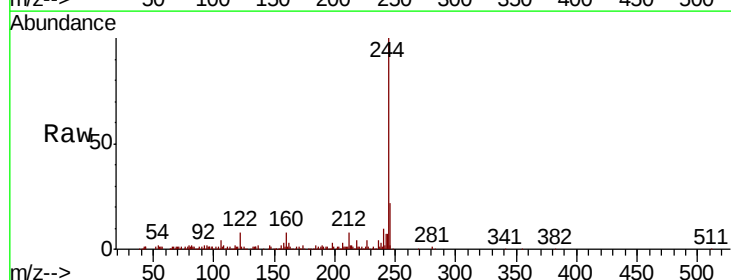
Manual Integrations
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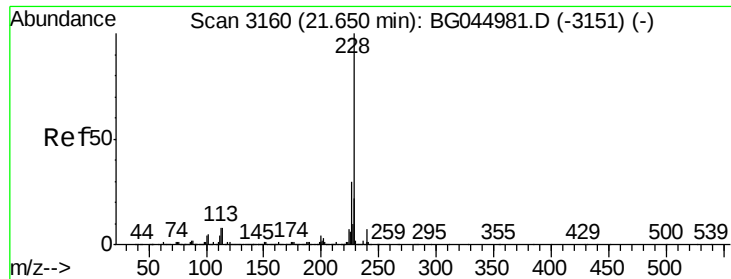
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#79
Terphenyl-d14
Concen: 5.592 ng
RT: 19.99 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

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





#81

Benzo(a)anthracene

Concen: 6.920 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

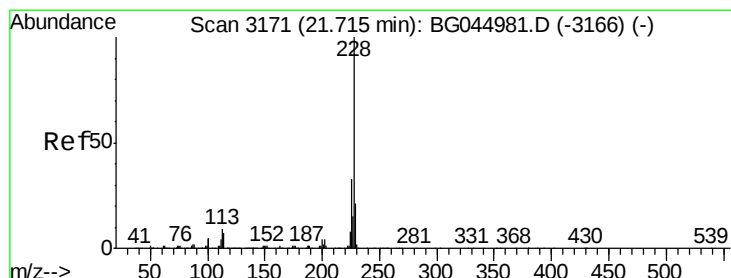
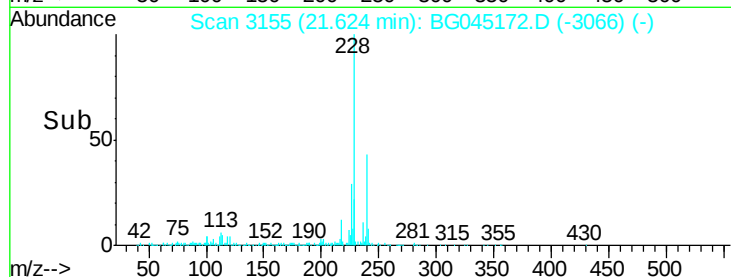
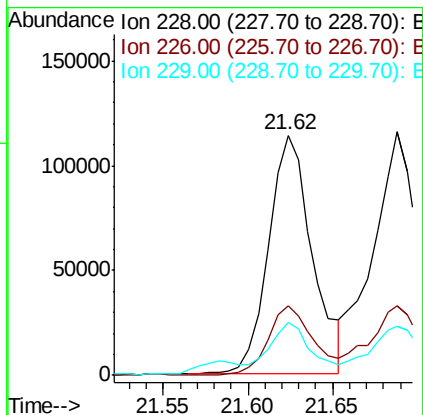
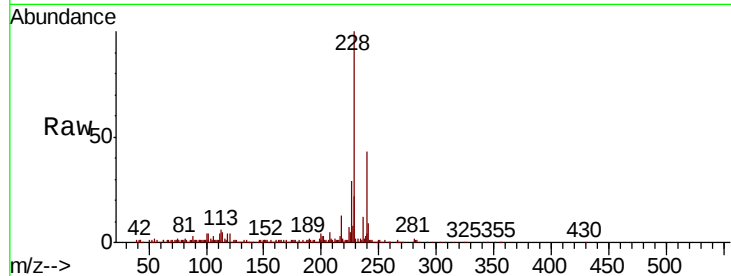
ClientSampleId :

DRAINAGE-SEWALE

Tot Ion:	228	Resp:	204322
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.0	36.0
229	21.9	17.5	26.3

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#83

Chrysene

Concen: 7.602 ng

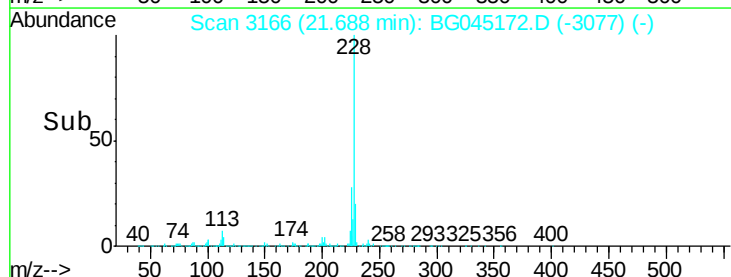
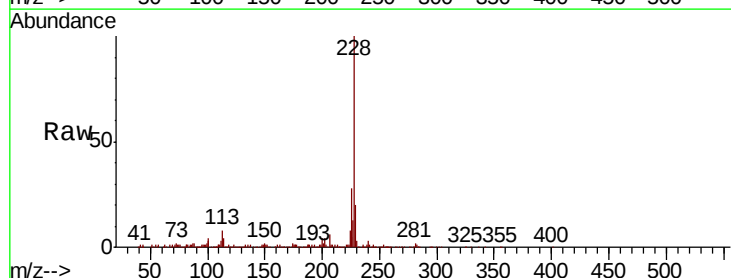
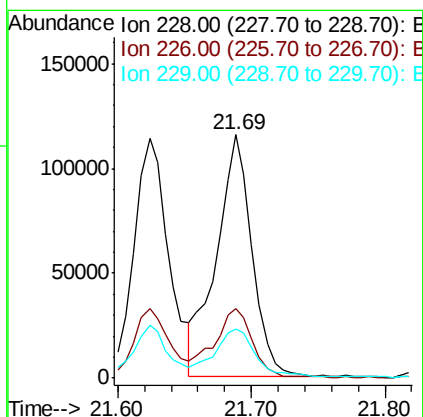
RT: 21.69 min Scan# 3166

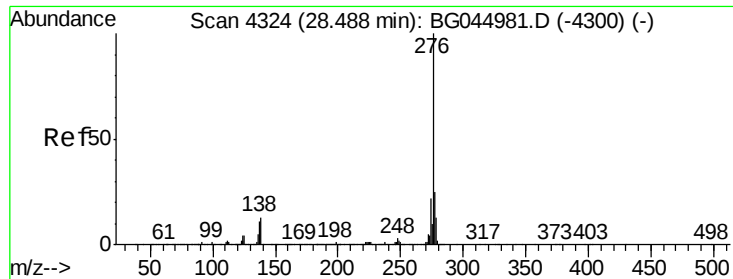
Delta R.T. -0.01 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Tgt Ion:	228	Resp:	215677
Ion Ratio	Lower	Upper	
228	100		
226	28.4	26.2	39.4
229	20.1	17.0	25.6





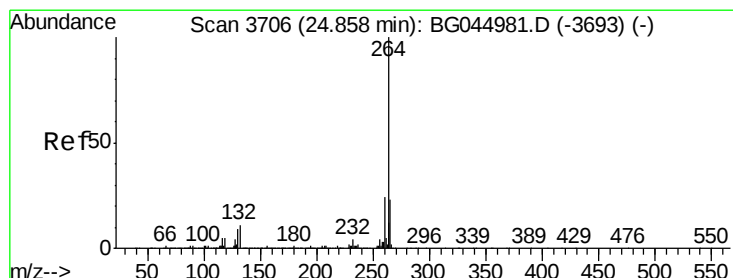
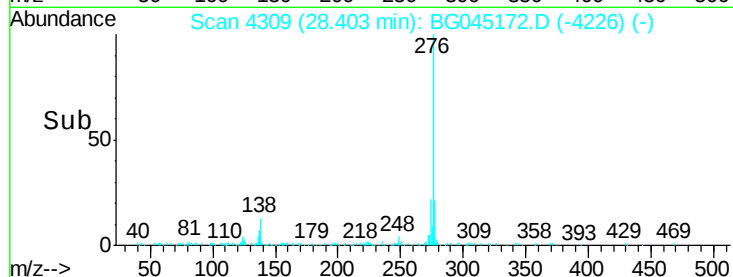
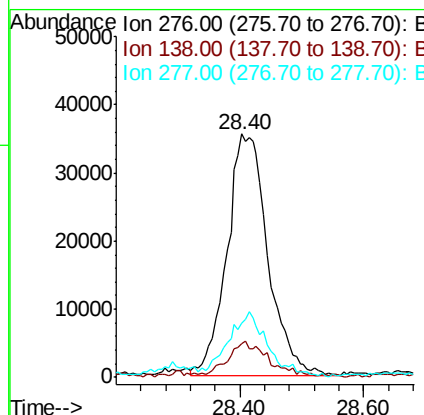
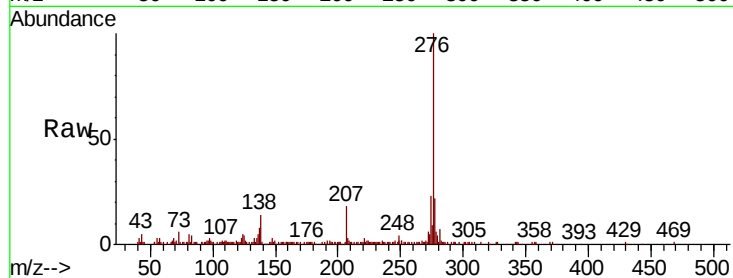
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.313 ng
RT: 28.40 min Scan# 4309
Delta R.T. -0.04 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Instrument :
BNA_G
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	9.6	14.4
277	24.8	20.6	31.0

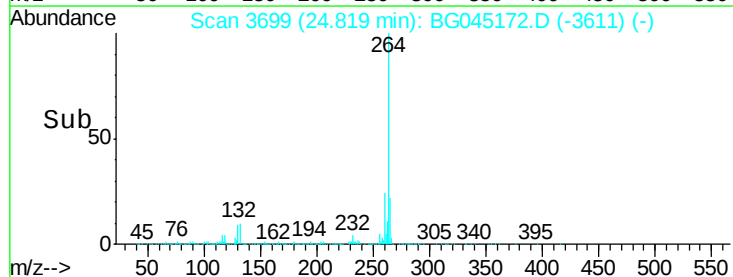
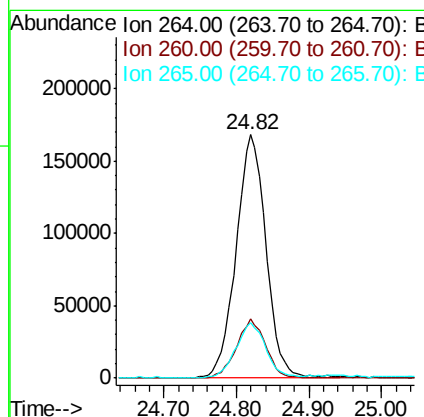
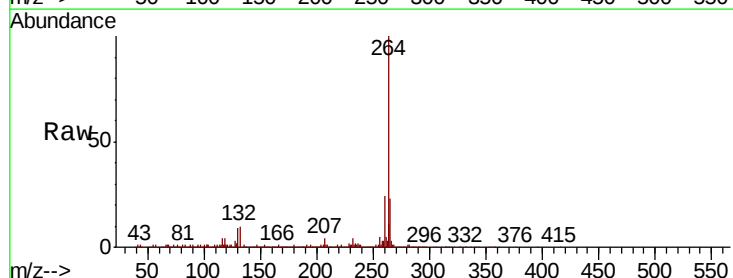
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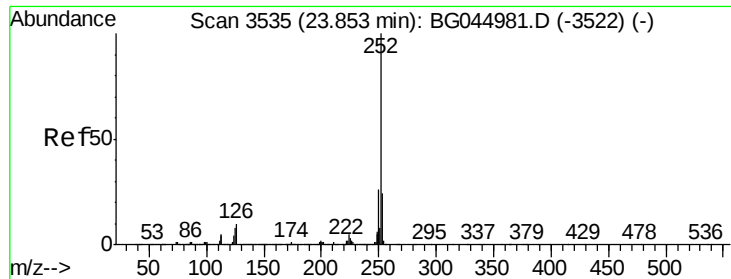
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.02 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.6	19.0	28.4





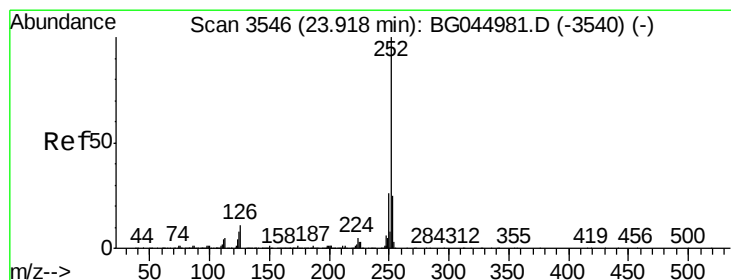
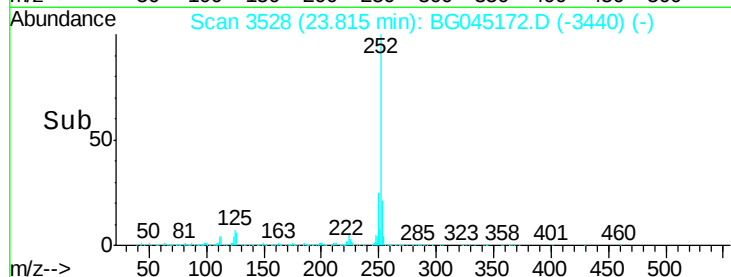
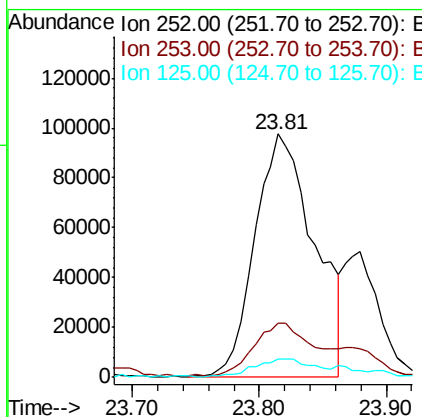
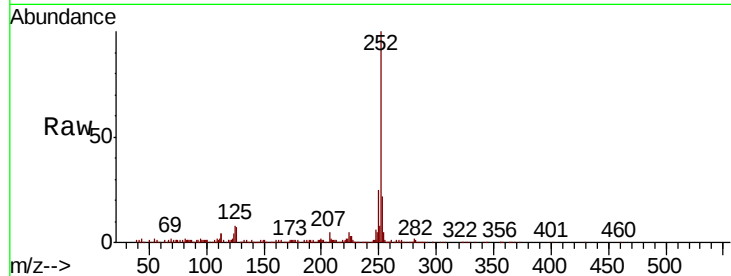
#88
Benzo(b)fluoranthene
Concen: 10.436 ng
RT: 23.81 min Scan# 3528
Delta R.T. -0.02 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Instrument :
BNA_G
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.8	28.2
125	7.5	6.2	9.4

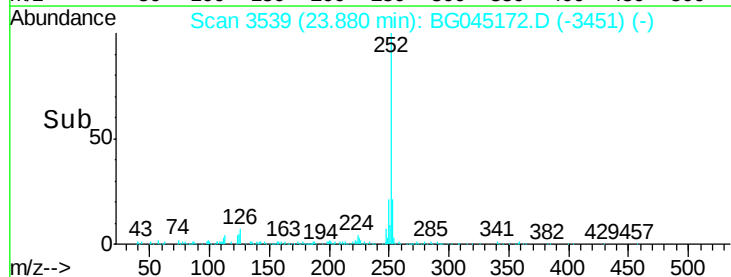
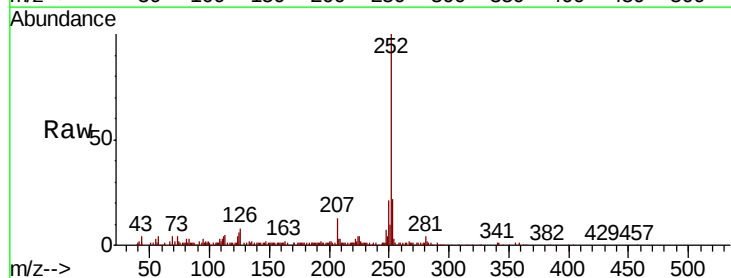
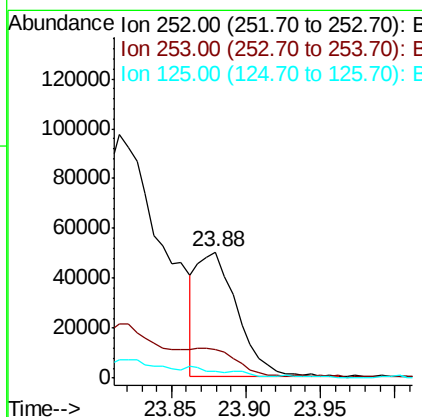
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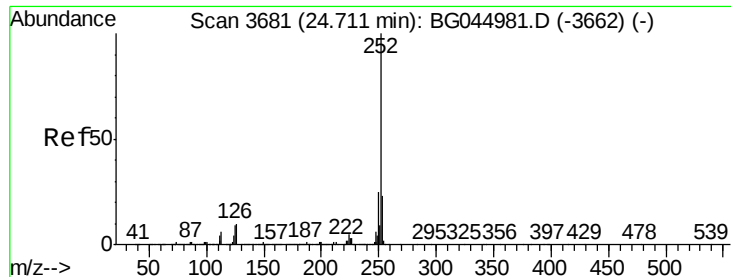
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#89
Benzo(k)fluoranthene
Concen: 3.301 ng m
RT: 23.88 min Scan# 3539
Delta R.T. -0.02 min
Lab File: BG045172.D
Acq: 24 Apr 2020 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.2	28.8
125	5.9	5.9	8.9#





#90

Benzo(a)pyrene

Concen: 6.876 ng m

RT: 24.67 min Scan# 3673

Delta R.T. -0.02 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Instrument :

BNA_G

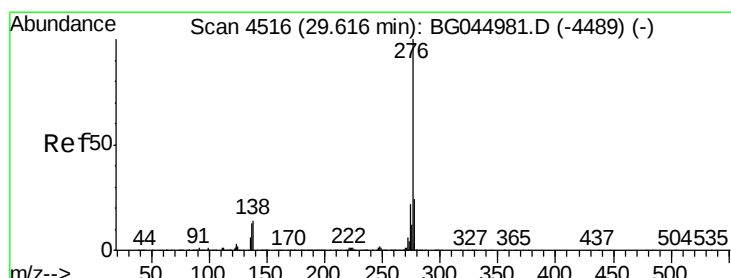
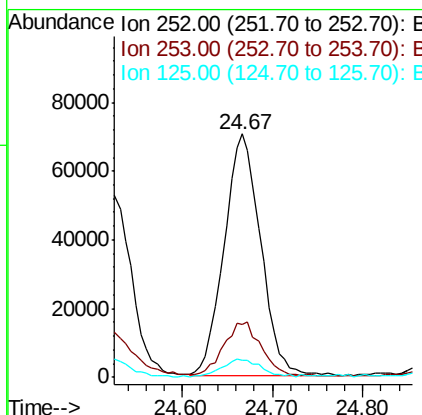
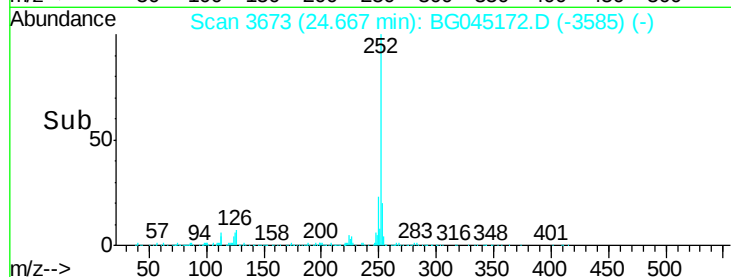
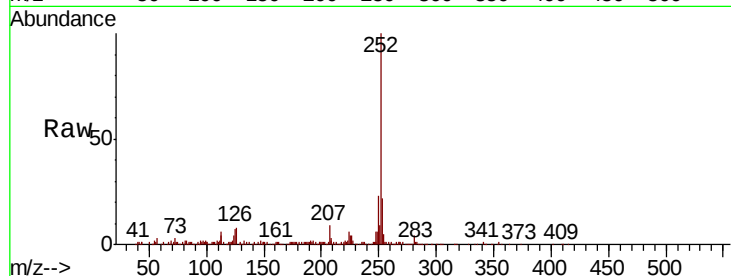
ClientSampleId :

DRAINAGE-SEWALE

Tot Ion:	252	Resp:	196551
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.3	27.5
125	7.0	7.0	10.6#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 5.387 ng

RT: 29.53 min Scan# 4501

Delta R.T. -0.03 min

Lab File: BG045172.D

Acq: 24 Apr 2020 22:23

Tgt Ion:	276	Resp:	155579
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.3	28.9
138	14.6	11.4	17.2

