

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
 Data File : BG018388.D
 Acq On : 11 Aug 2015 19:20
 Operator : UM/MA
 Sample : G3154-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Z0

Manual Integrations
 APPROVED

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 8/12/2015 3:53:27 PM

Quant Time: Aug 12 03:24:34 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 00:54:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	140131	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	614772	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	337681	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	665470	20.00	ng/ul	0.00
78) Chrysene-d12	21.69	240	543541	20.00	ng/ul	0.02
86) Perylene-d12	24.96	264	564774	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	6748	2.13	ng/uL	0.00
5) Phenol-d5	7.20	99	166440	13.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	104169	13.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	133821	13.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	131199	12.28	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	65918	13.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	69443	14.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	135206	13.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	48769	4.17	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	360404	12.69	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	467707	13.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	52811	10.33	ng/ul	0.00
58) Fluorene-d10	15.66	176	309792	12.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	11796	3.60	ng/ul	0.00
71) Anthracene-d10	17.51	188	415815	13.06	ng/ul	0.00
79) Pyrene-d10	19.80	212	360021	12.77	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.74	264	323717	10.80	ng/ul	0.06

Target Compounds

						Ovalue
28) Naphthalene	10.90	128	142311	4.38	ng/ul	99
34) 2-Methylnaphthalene	12.50	142	344795	14.65	ng/ul	99
35) 1-Methylnaphthalene	12.72	142	365490	15.91	ng/ul	99
41) 1,1'-Biphenyl	13.50	154	74869	2.66	ng/ul	100
45) Dimethylphthalate	14.11	163	104666	3.73	ng/ul#	97
50) Acenaphthene	14.73	153	45487	1.81	ng/ul#	87
54) Dibenzofuran	15.06	168	43200	1.31	ng/ul#	83
59) Fluorene	15.71	166	59392	2.10	ng/ul#	95
70) Phenanthrene	17.46	178	438380	12.14	ng/ul	98
72) Anthracene	17.54	178	54548m	1.48	ng/ul	
76) Di-n-butylphthalate	18.37	149	49793	1.18	ng/ul#	84
77) Fluoranthene	19.47	202	570475	14.79	ng/ul	99
80) Pyrene	19.83	202	552096	15.02	ng/ul	99
83) Benzo(a)anthracene	21.67	228	189474	5.62	ng/ul#	86
84) Bis(2-ethylhexyl)phthalate	21.59	149	298712	13.60	ng/ul#	90
85) Chrysene	21.74	228	266144	8.45	ng/ul#	94
88) Benzo(b)fluoranthene	23.92	252	343304	9.67	ng/ul#	61
89) Benzo(k)fluoranthene	23.98	252	93737m	2.74	ng/ul	
91) Benzo(a)pyrene	24.80	252	147119	4.36	ng/ul#	35
92) Indeno(1,2,3-cd)pyrene	28.67	276	129794	3.32	ng/ul#	75
94) Benzo(a,h,i)perylene	29.84	276	120390m	3.67	ng/ul	

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

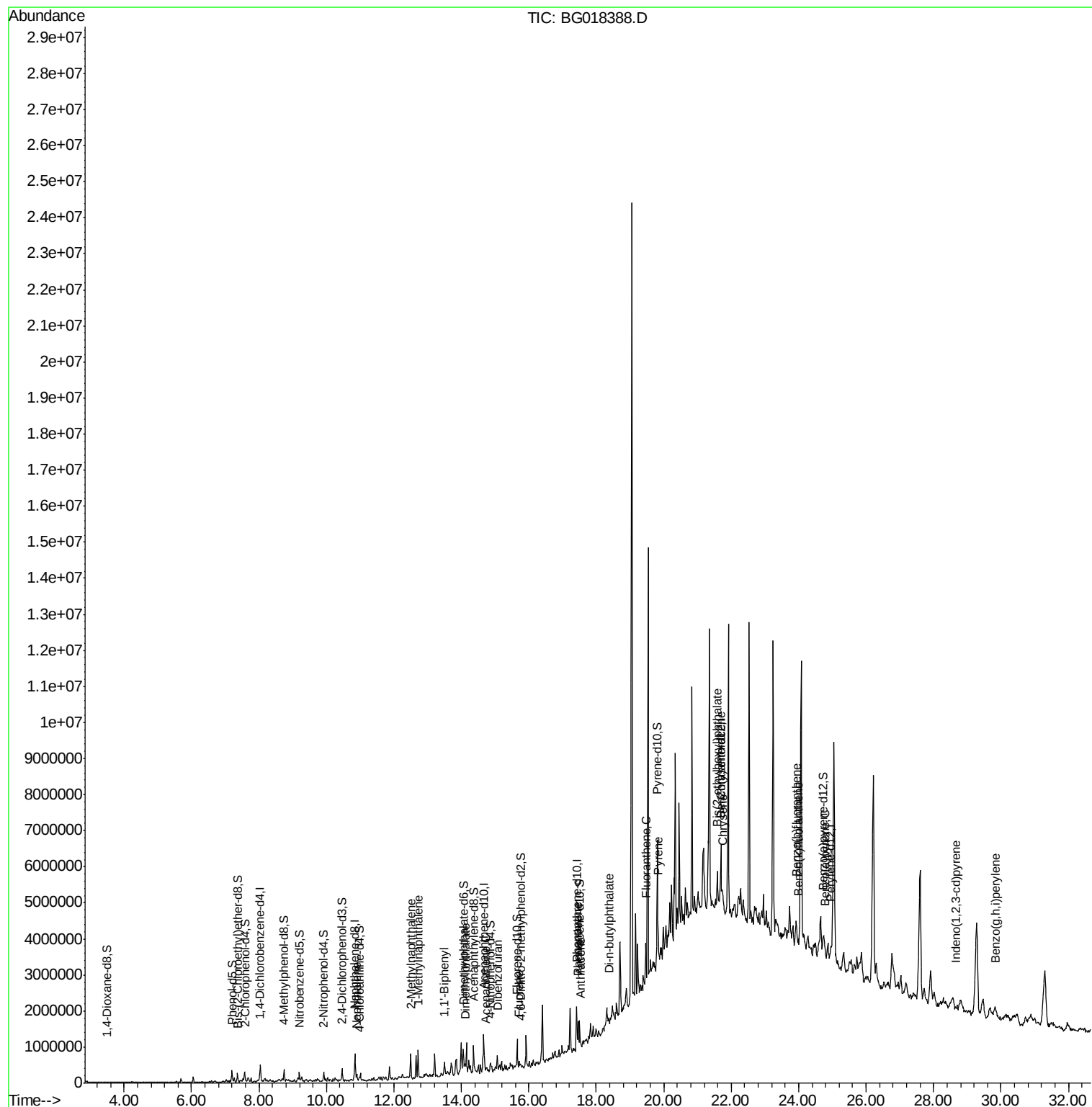
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
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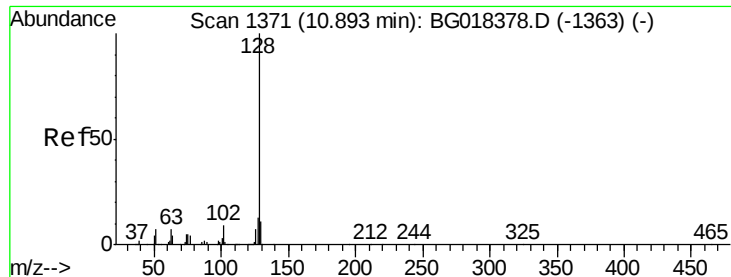
Instrument :
BNA_G
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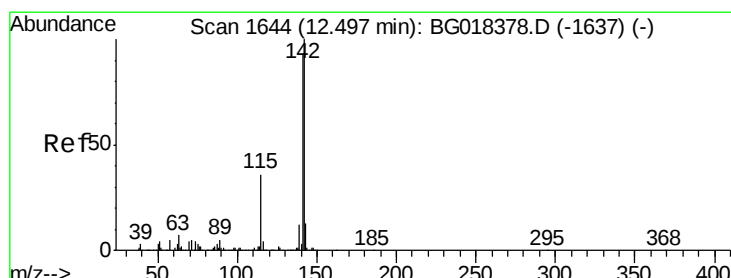
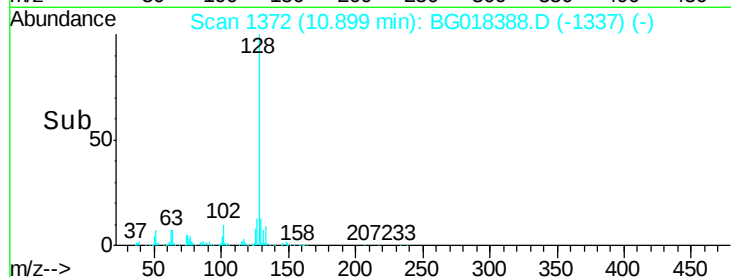
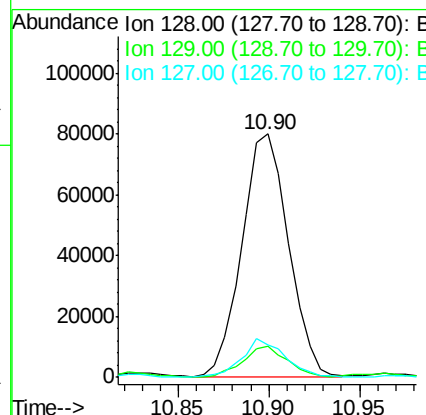
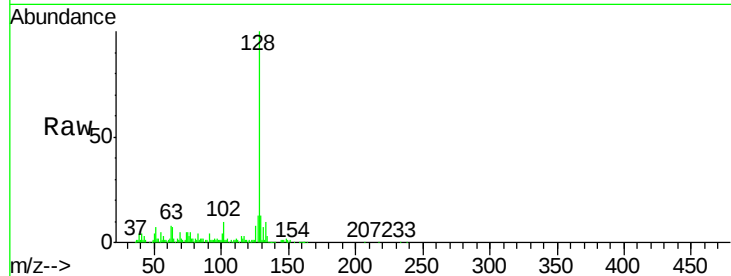
#28
Naphthalene
Concen: 4.38 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Instrument :
BNA_G
ClientSampleId :
C01Z0

Tot Ion	Ratio	Resp	Lower	Upper
128	100	142311		
129	13.0		9.6	14.4
127	13.1		10.5	15.7

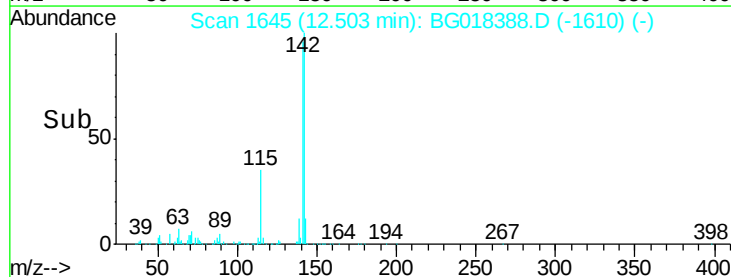
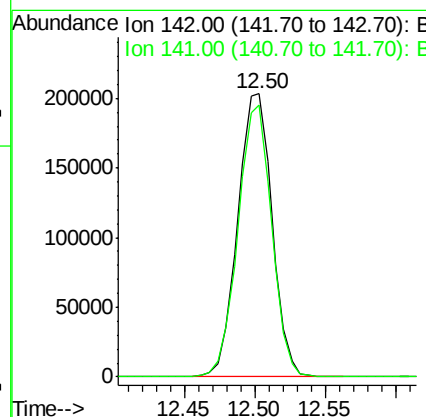
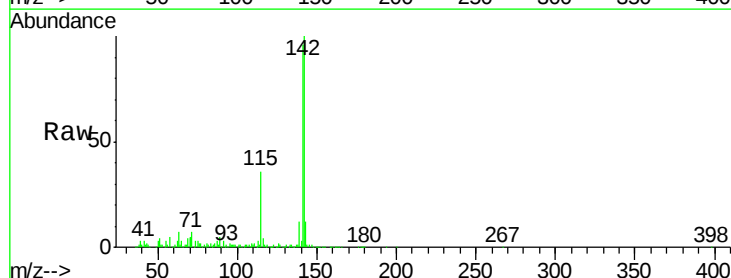
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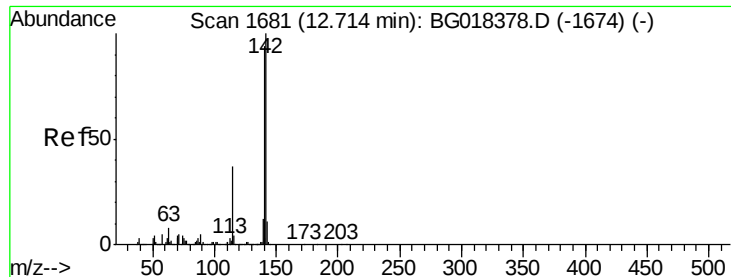
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#34
2-Methylnaphthalene
Concen: 14.65 ng/ul
RT: 12.50 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	344795		
141	96.1		78.0	117.0





#35

1-Methylnaphthalene

Concen: 15.91 ng/ul

RT: 12.72 min Scan# 1682

Delta R.T. 0.01 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

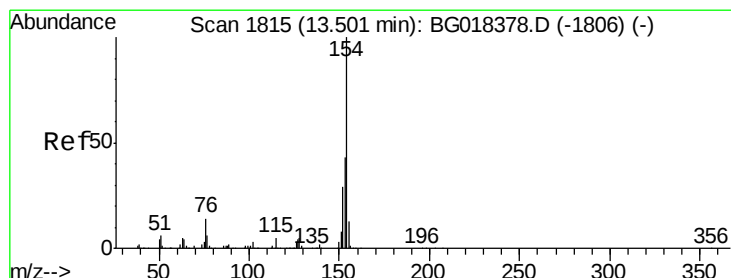
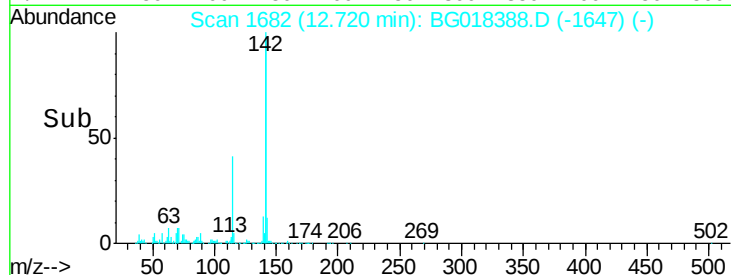
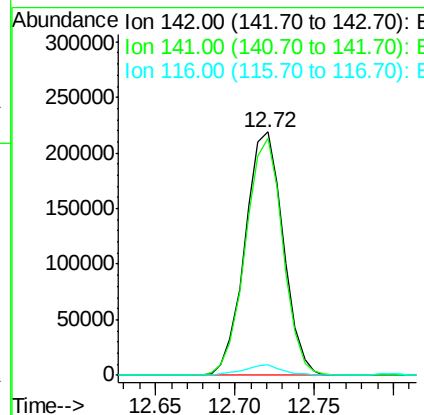
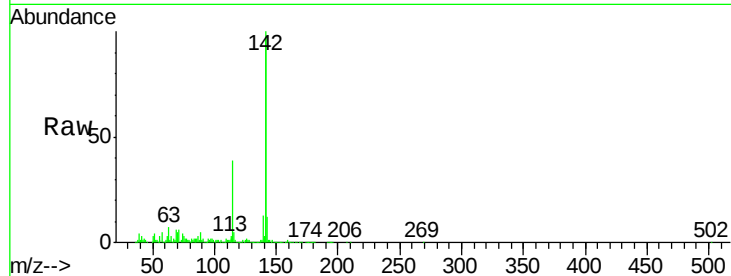
ClientSampled :

C01Z0

Tot Ion:	142	Resp:	365490
Ion Ratio	Lower	Upper	
142	100		
141	97.2	77.1	115.7
116	4.5	3.5	5.3

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#41

1,1'-Biphenyl

Concen: 2.66 ng/ul

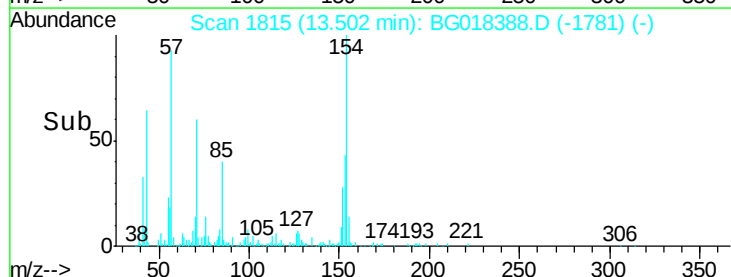
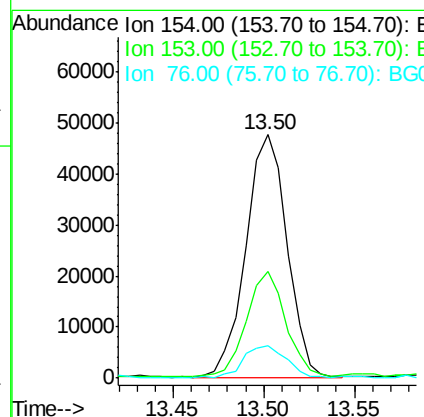
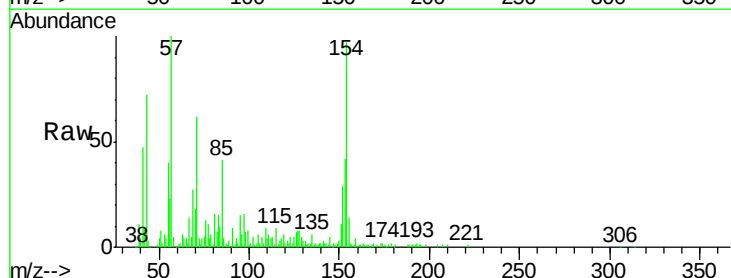
RT: 13.50 min Scan# 1815

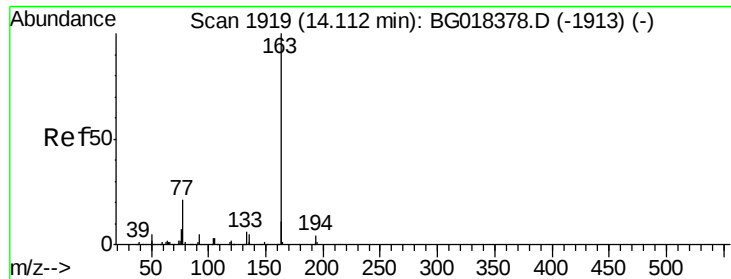
Delta R.T. 0.00 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Tgt Ion:	154	Resp:	74869
Ion Ratio	Lower	Upper	
154	100		
153	43.8	35.2	52.8
76	13.5	10.6	16.0





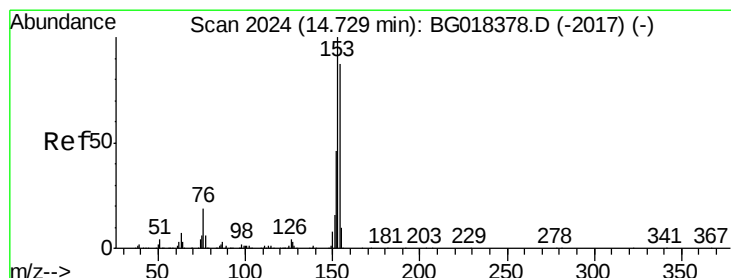
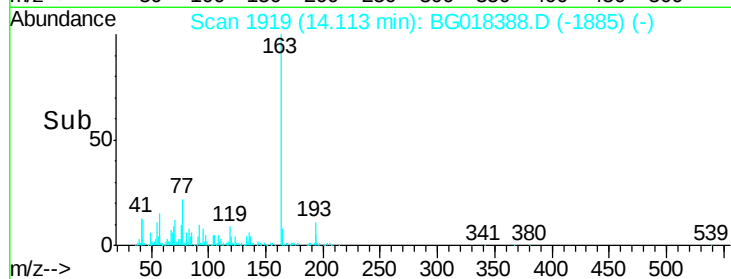
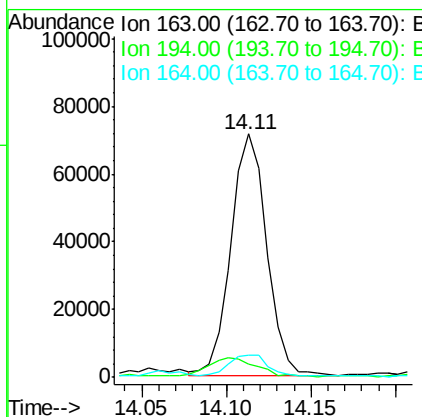
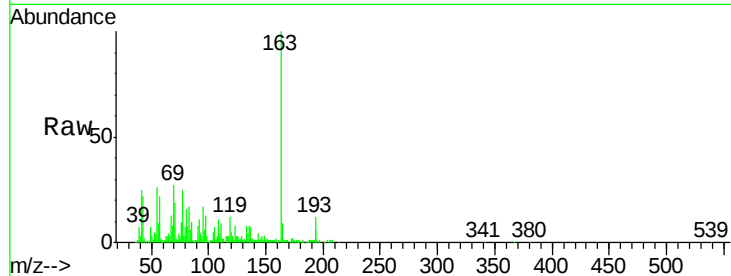
#45
Dimethylphthalate
Concen: 3.73 ng/ul
RT: 14.11 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Instrument :
BNA_G
ClientSampleId :
C01Z0

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.7	2.9	4.3#	
164	9.0	7.7	11.5	

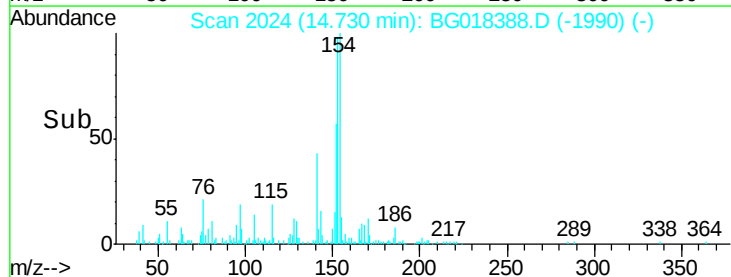
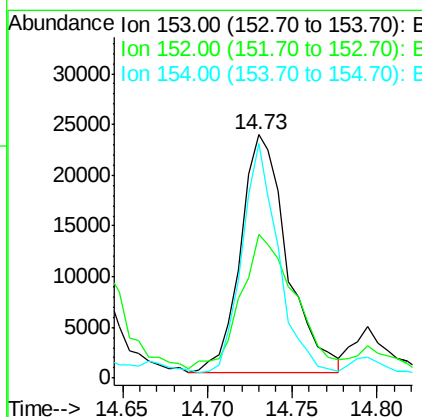
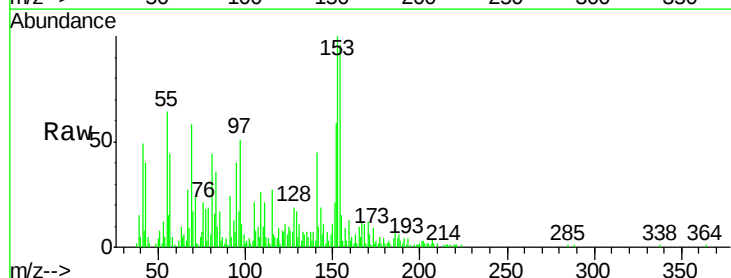
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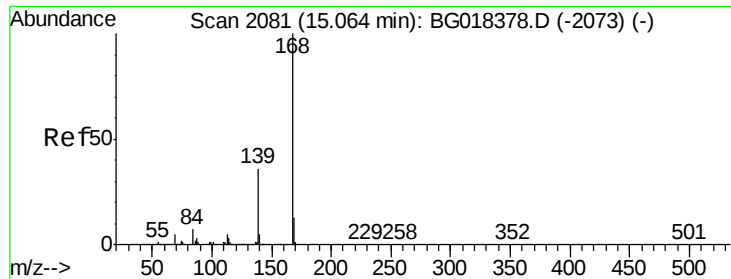
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#50
Acenaphthene
Concen: 1.81 ng/ul
RT: 14.73 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
153	100			
152	59.2	38.2	57.4#	
154	96.3	68.6	103.0	





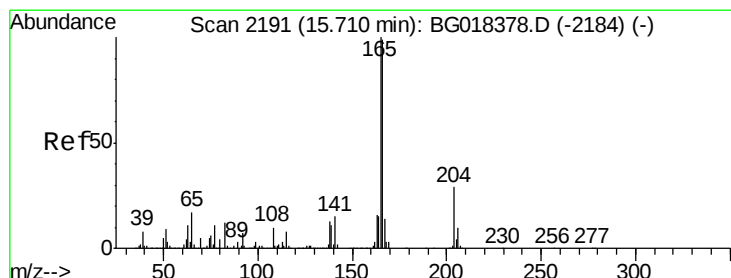
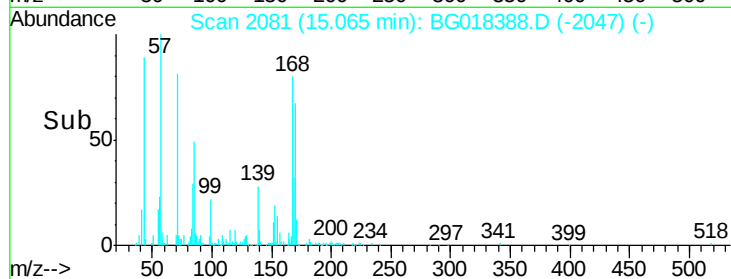
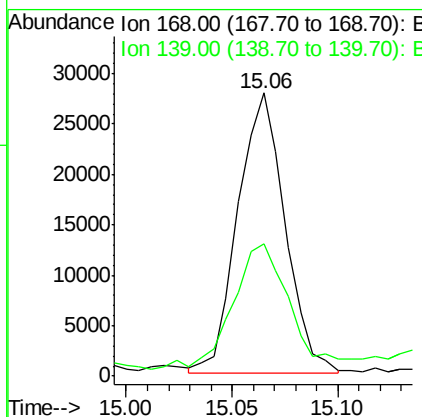
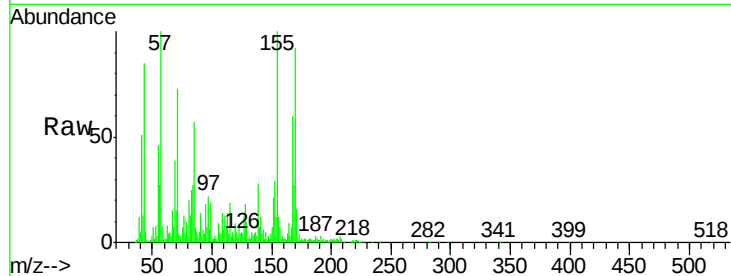
#54
Dibenzofuran
Concen: 1.31 ng/ul
RT: 15.06 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Instrument :
BNA_G
ClientSampleId :
C01Z0

Tot Ion:168 Resp: 43200
Ion Ratio Lower Upper
168 100
139 47.0 29.7 44.5#

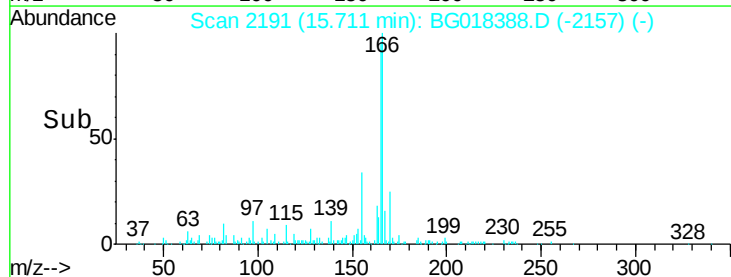
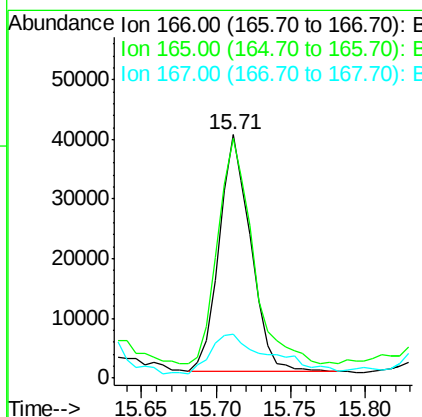
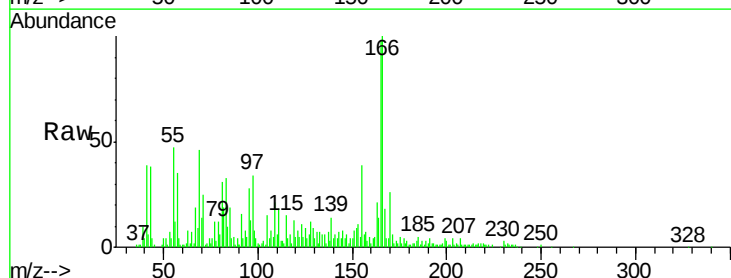
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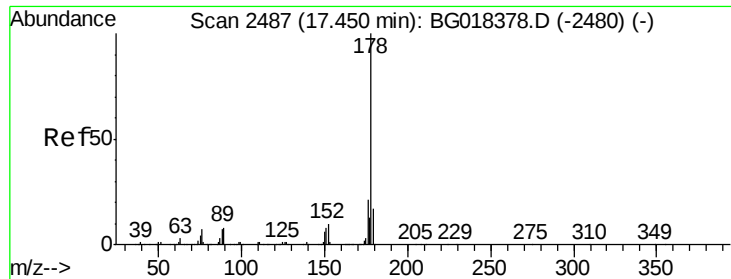
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#59
Fluorene
Concen: 2.10 ng/ul
RT: 15.71 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion:166 Resp: 59392
Ion Ratio Lower Upper
166 100
165 98.4 82.6 124.0
167 17.8 11.4 17.0#





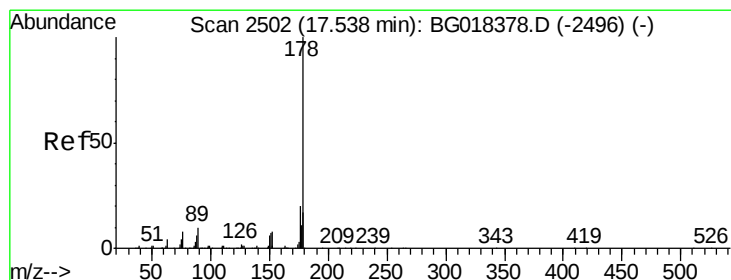
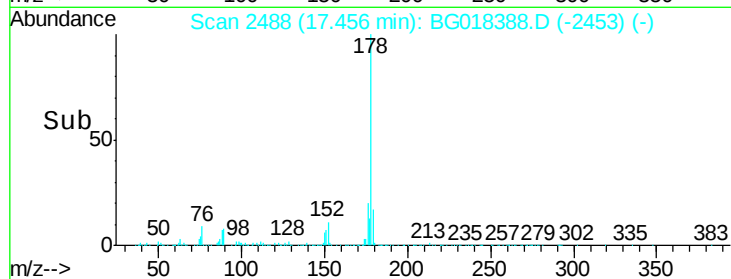
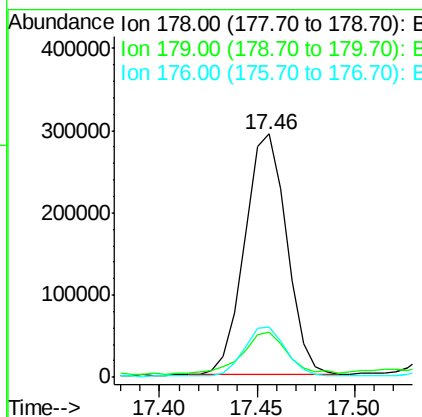
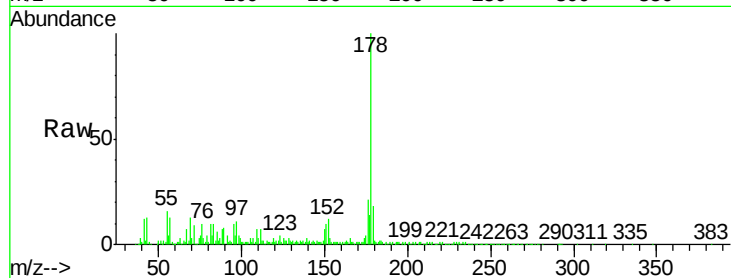
#70
 Phenanthrene
 Concen: 12.14 ng/ul
 RT: 17.46 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BG018388.D
 Acq: 11 Aug 2015 19:20

Instrument :
 BNA_G
 ClientSampleId :
 C01Z0

Tot Ion:	178	Resp:	438380
Ion Ratio	Lower	Upper	
178	100		
179	18.5	13.7	20.5
176	20.6	16.6	24.8

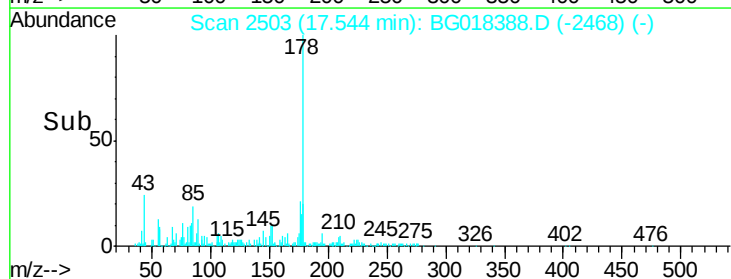
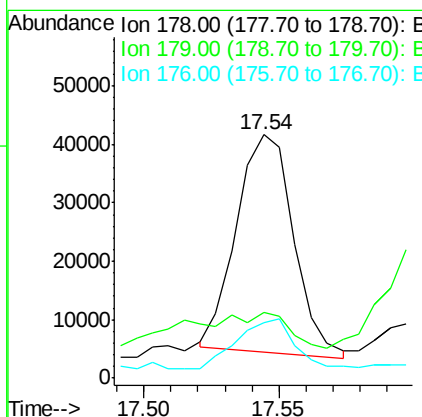
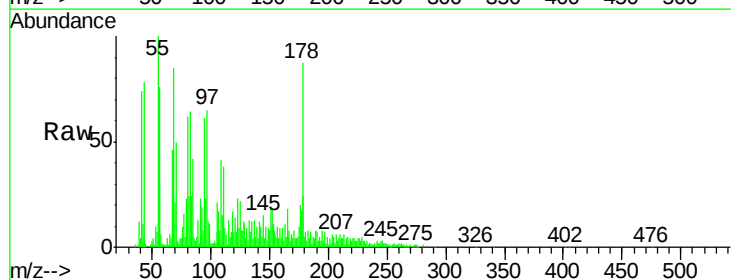
Manual Integrations
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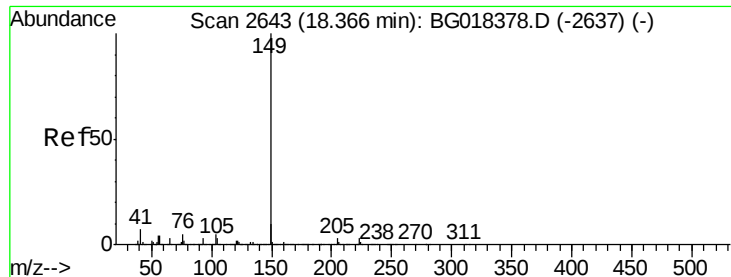
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#72
 Anthracene
 Concen: 1.48 ng/ul m
 RT: 17.54 min Scan# 2503
 Delta R.T. 0.01 min
 Lab File: BG018388.D
 Acq: 11 Aug 2015 19:20

Tgt Ion:	178	Resp:	54548
Ion Ratio	Lower	Upper	
178	100		
179	26.9	13.0	19.4#
176	22.8	16.0	24.0





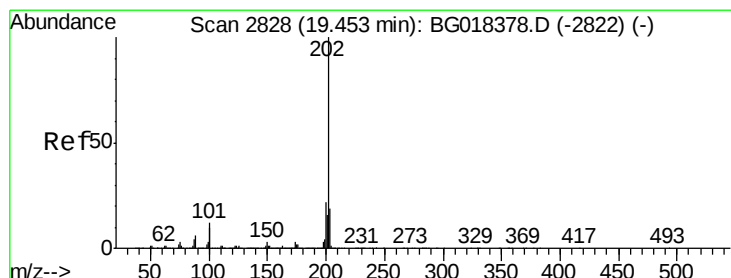
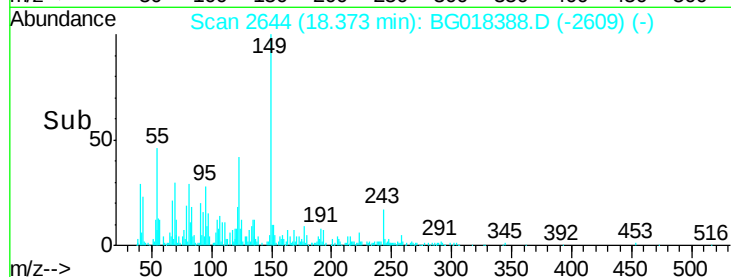
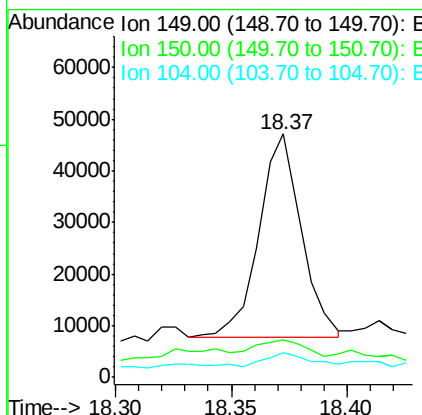
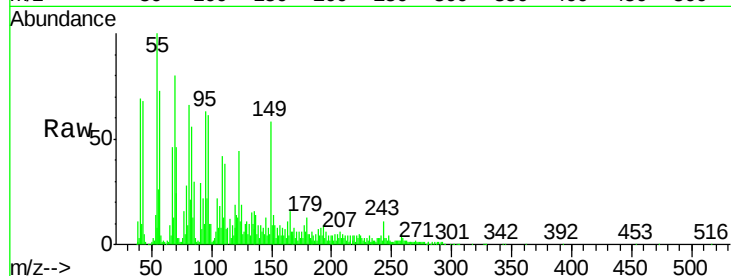
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Di-n-butylphthalate
Concen: 1.18 ng/ul
RT: 18.37 min Scan# 2644
Delta R.T. 0.01 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Instrument :
BNA_G
ClientSampleId :
C01Z0

Tot Ion	Ratio	Lower	Upper
149	100		
150	15.7	7.5	11.3#
104	10.0	4.3	6.5#

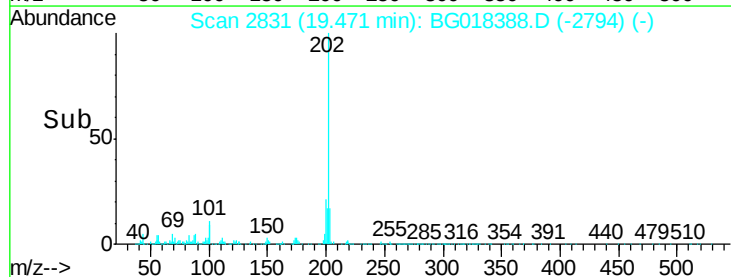
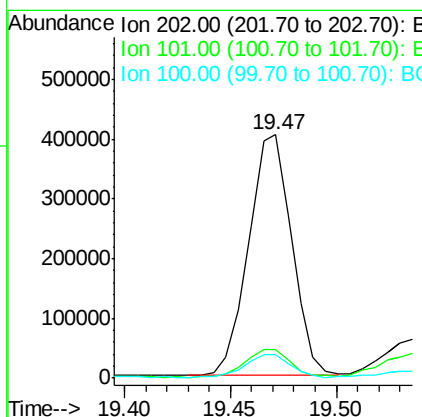
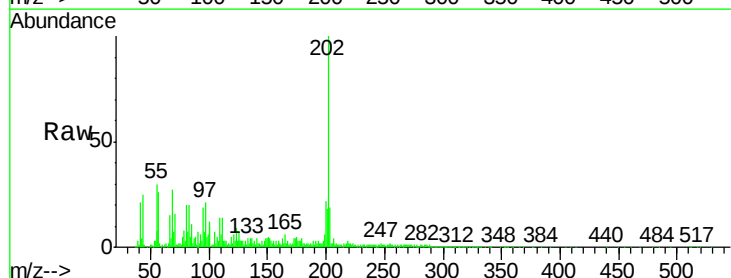
Manual Integrations
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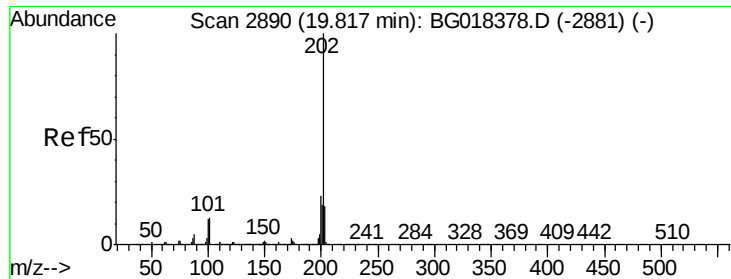
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#77
Fluoranthene
Concen: 14.79 ng/ul
RT: 19.47 min Scan# 2831
Delta R.T. 0.02 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.7	14.5
100	9.5	7.8	11.8





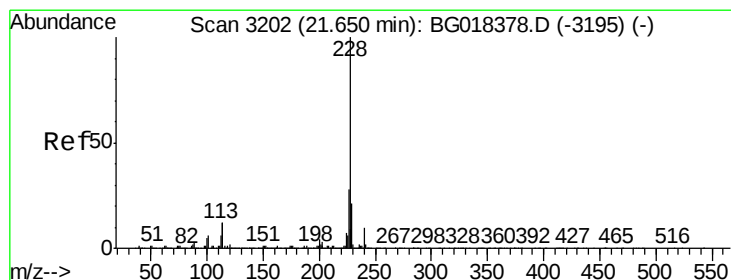
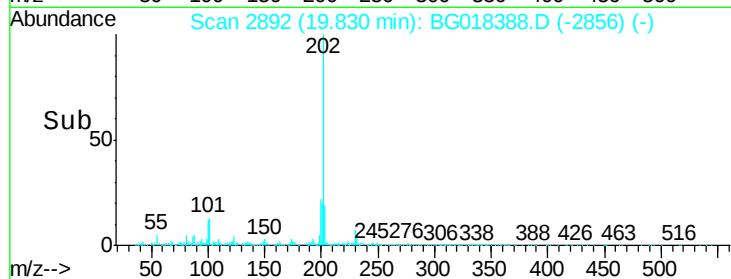
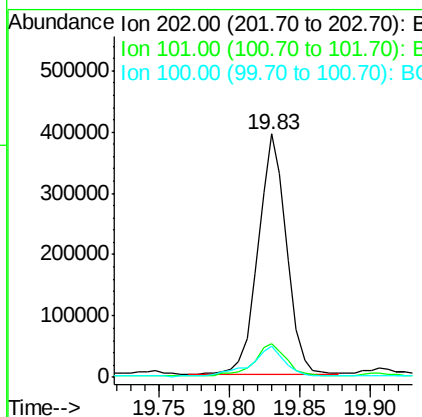
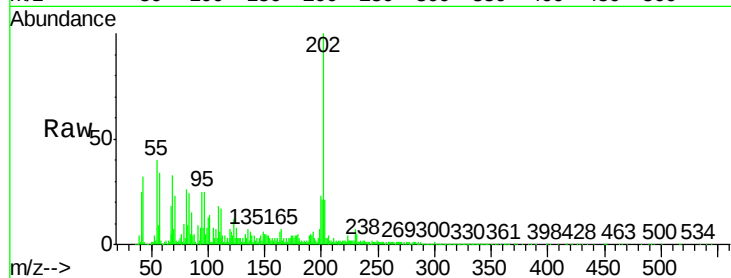
#80
Pvrene
Concen: 15.02 ng/ul
RT: 19.83 min Scan# 2892
Delta R.T. 0.01 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Instrument :
BNA_G
ClientSampleId :
C01Z0

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.8	11.0	16.4
100	12.5	9.8	14.6

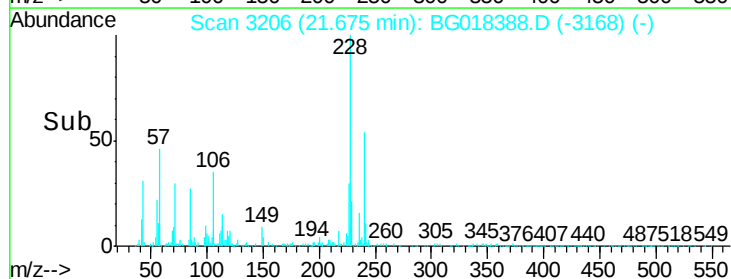
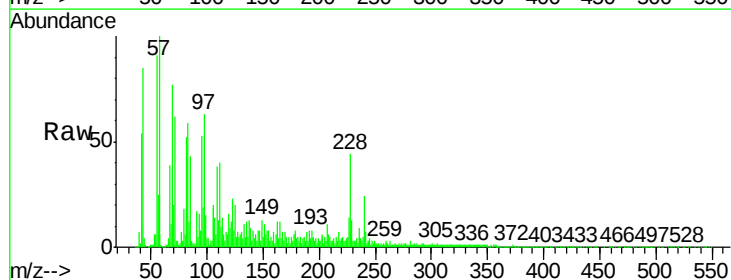
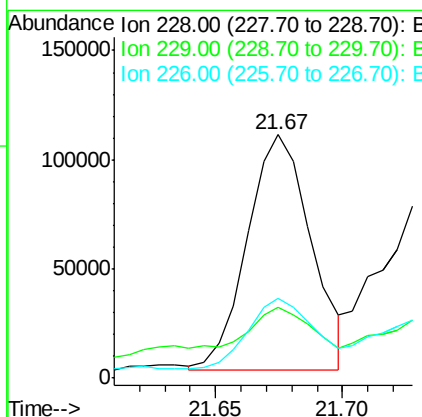
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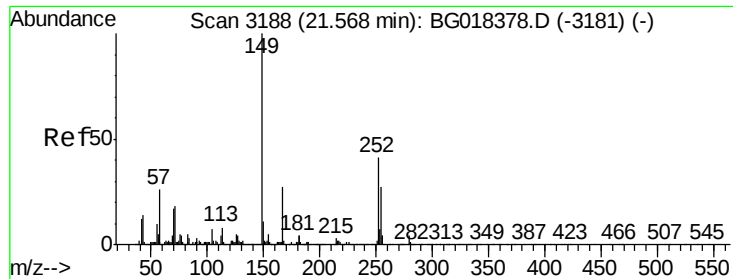
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#83
Benzo(a)anthracene
Concen: 5.62 ng/ul
RT: 21.67 min Scan# 3206
Delta R.T. 0.02 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	29.0	15.5	23.3#
226	32.7	22.1	33.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 13.60 ng/ul

RT: 21.59 min Scan# 3191

Delta R.T. 0.02 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

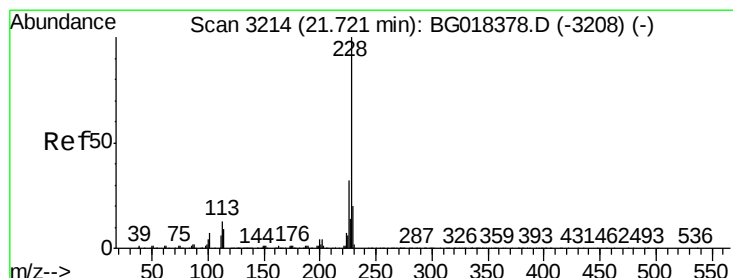
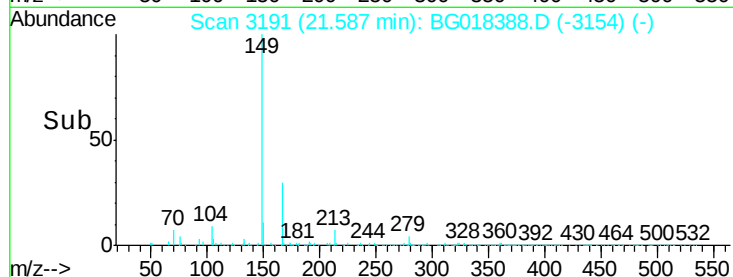
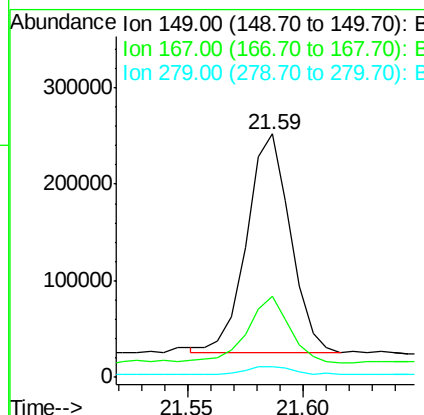
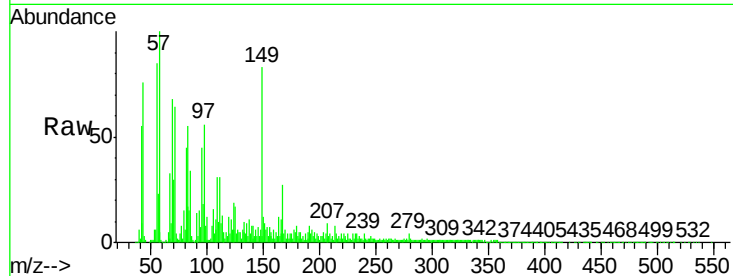
ClientSampleId :

C01Z0

Tot Ion:	149	Resp:	298712
Ion Ratio	Lower	Upper	
149	100		
167	33.1	22.2	33.2
279	4.6	2.8	4.2#

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#85

Chrysene

Concen: 8.45 ng/ul

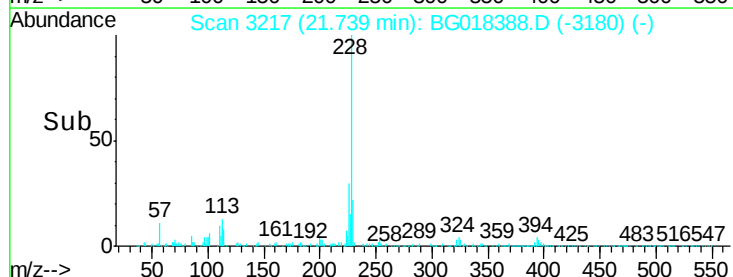
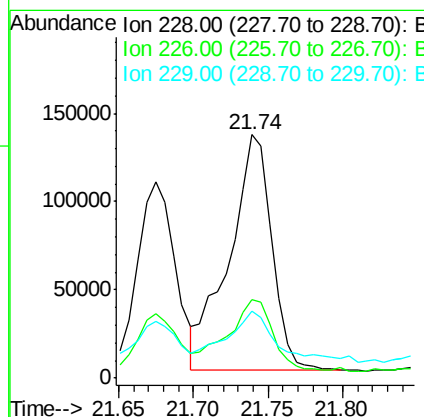
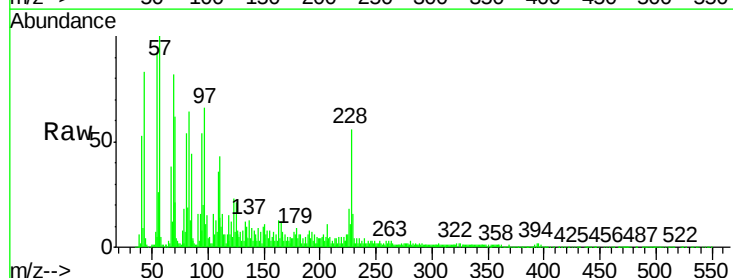
RT: 21.74 min Scan# 3217

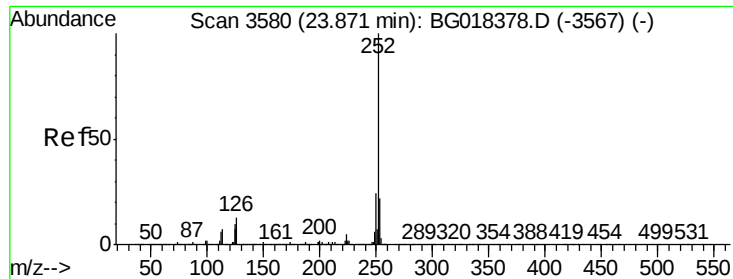
Delta R.T. 0.02 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Tgt Ion:	228	Resp:	266144
Ion Ratio	Lower	Upper	
228	100		
226	32.3	26.5	39.7
229	27.7	16.9	25.3#





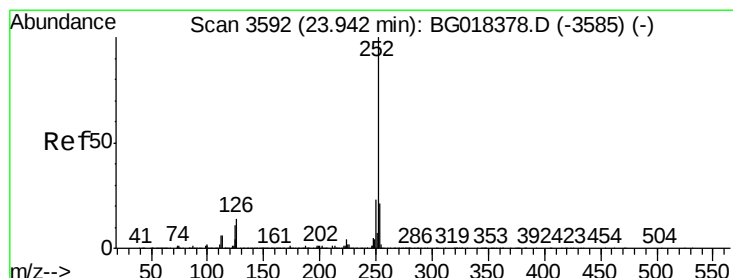
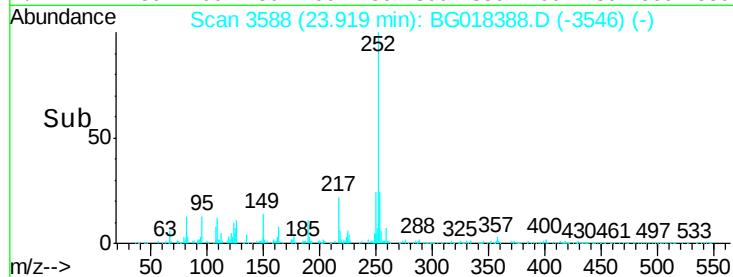
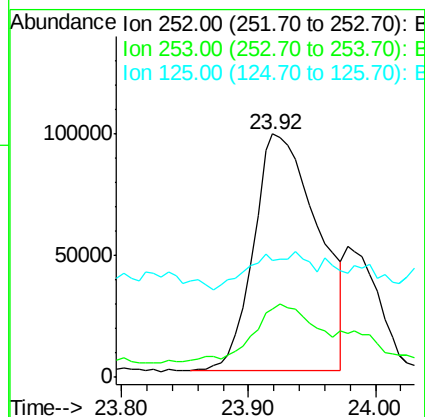
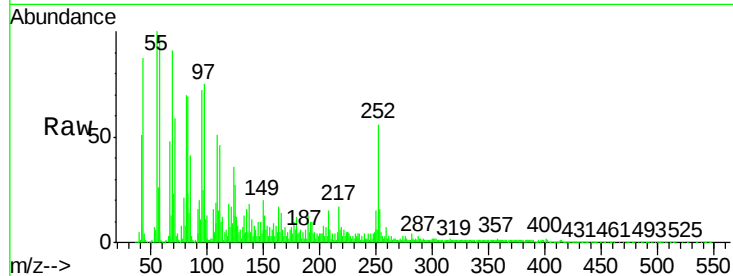
#88
Benzo(b)fluoranthene
Concen: 9.67 ng/ul
RT: 23.92 min Scan# 3588
Delta R.T. 0.05 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Instrument :
BNA_G
ClientSampleId :
C01Z0

Tot Ion:	252	Resp:	343304
Ion Ratio	Lower	Upper	
252	100		
253	28.1	18.1	27.1#
125	47.9	8.3	12.5#

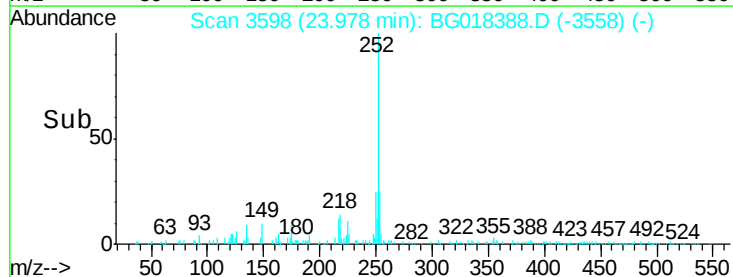
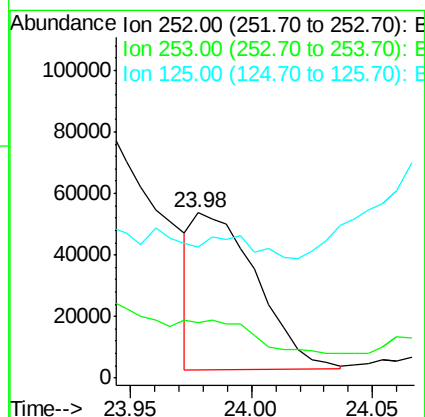
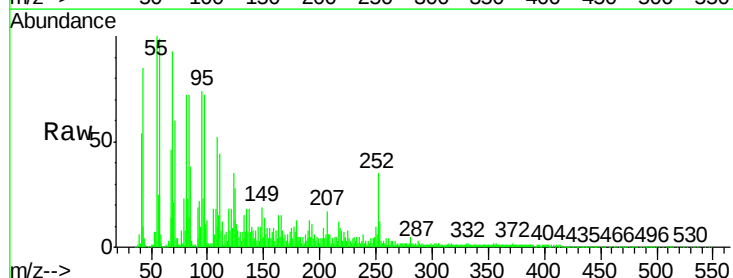
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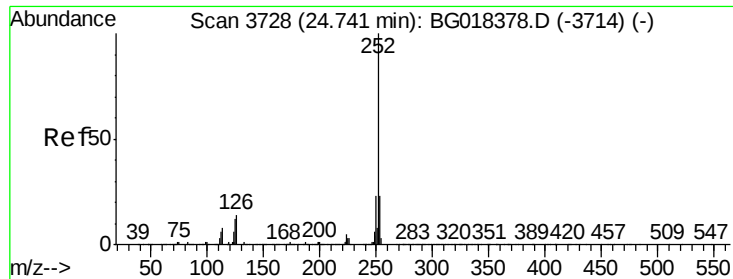
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#89
Benzo(k)fluoranthene
Concen: 2.74 ng/ul m
RT: 23.98 min Scan# 3598
Delta R.T. 0.04 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion:	252	Resp:	93737
Ion Ratio	Lower	Upper	
252	100		
253	33.7	17.8	26.6#
125	79.4	9.0	13.4#





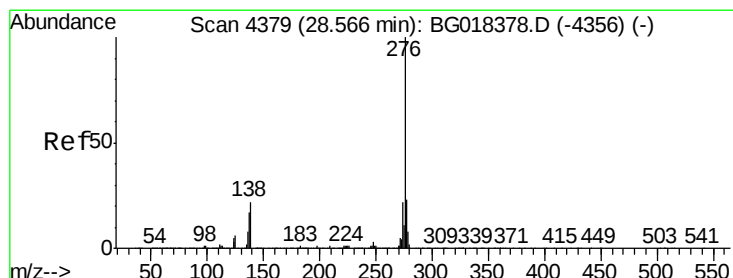
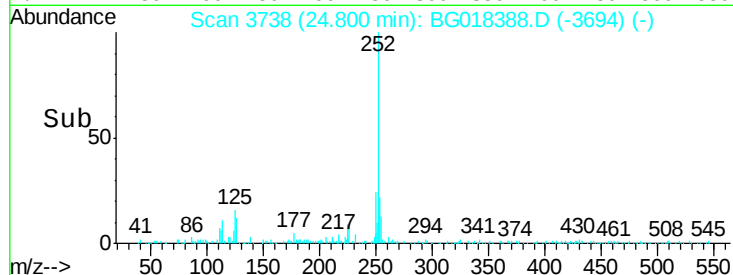
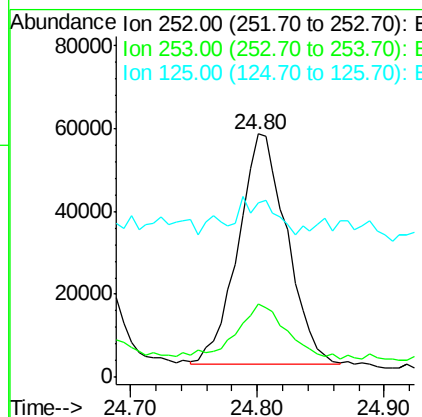
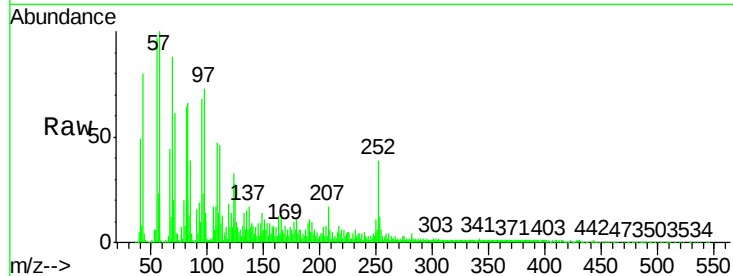
#91
Benzo(a)pyrene
Concen: 4.36 ng/ul
RT: 24.80 min Scan# 3738
Delta R.T. 0.06 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Instrument :
BNA_G
ClientSampleId :
C01Z0

Tot Ion	Ratio	Resp	Lower	Upper
252	100	147119		
253	30.1		17.7	26.5#
125	71.9		10.2	15.2#

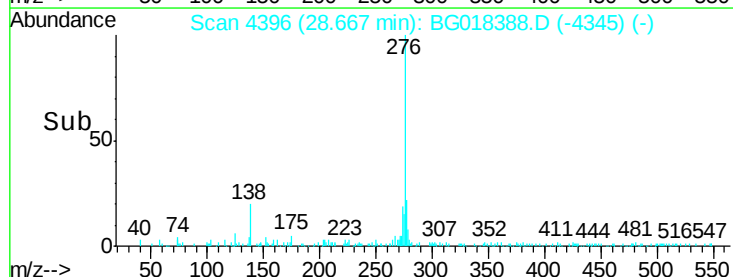
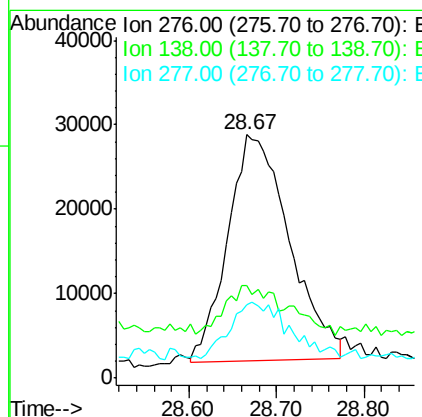
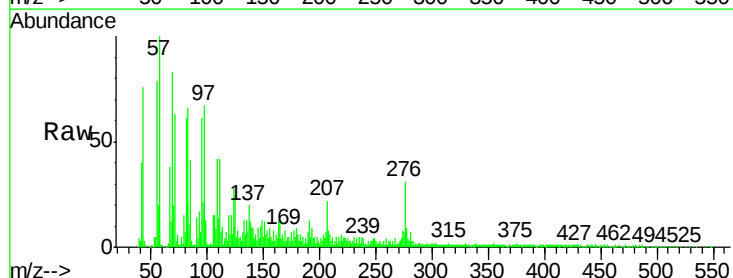
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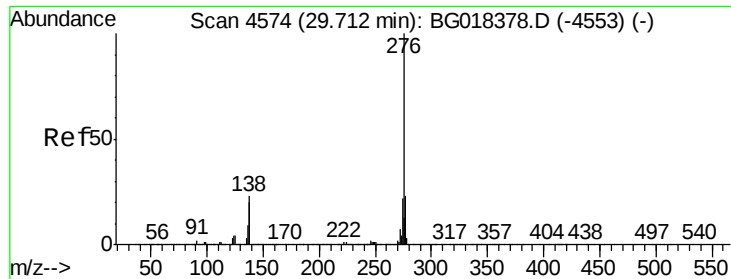
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#92
Indeno(1,2,3-cd)pyrene
Concen: 3.32 ng/ul
RT: 28.67 min Scan# 4396
Delta R.T. 0.10 min
Lab File: BG018388.D
Acq: 11 Aug 2015 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	129794		
138	38.2		15.8	23.6#
277	29.9		18.9	28.3#





#94

Benzo(a,h,i)perylene

Concen: 3.67 ng/ul m

RT: 29.84 min Scan# 4596

Delta R.T. 0.13 min

Lab File: BG018388.D

Acq: 11 Aug 2015 19:20

Instrument :

BNA_G

ClientSampleId :

C01Z0

Tot Ion:	276	Resp:	120390
Ion Ratio	Lower	Upper	
276	100		
138	38.1	16.5	24.7#
277	26.5	19.0	28.6

Manual Integrations
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