

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081115\
 Data File : BG018380.D
 Acq On : 11 Aug 2015 14:13
 Operator : UM/MA
 Sample : G3109-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P9

Manual Integrations
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 8/12/2015 3:52:42 PM

Quant Time: Aug 14 03:08:34 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	95645	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	435769	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	236972	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	452101	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	393174	20.00	ng/ul	0.02
86) Perylene-d12	24.99	264	392228	20.00	ng/ul	0.09

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	6053	2.80	ng/uL	0.00
5) Phenol-d5	7.20	99	151044	17.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	94618	17.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	122069	18.36	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	123167	16.89	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	62754	18.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	65186	18.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	130383	17.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.97	131	61830	7.45	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	369399	18.53	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	460436	18.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	39563	11.03	ng/ul	0.00
58) Fluorene-d10	15.66	176	298878	17.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.76	200	9656	4.34	ng/ul	0.00
71) Anthracene-d10	17.52	188	401571m	18.57	ng/ul	0.00
79) Pyrene-d10	19.81	212	366715	17.98	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.75	264	359569	17.27	ng/ul	0.08

Target Compounds

					Qvalue
14) Acetophenone	8.85	105	32226	3.06 ng/ul#	44
16) 4-Methylphenol	8.81	108	21457	2.86 ng/ul	79
24) 2,4-Dimethylphenol	10.01	107	32975	3.83 ng/ul	91
28) Naphthalene	10.90	128	267072	11.59 ng/ul	98
34) 2-Methylnaphthalene	12.50	142	162678	9.75 ng/ul	90
41) 1,1'-Biphenyl	13.50	154	65566	3.32 ng/ul	96
45) Dimethylphthalate	14.11	163	146254	7.44 ng/ul#	95
50) Acenaphthene	14.73	153	174095	9.86 ng/ul	98
54) Dibenzofuran	15.07	168	155634	6.74 ng/ul	95
59) Fluorene	15.72	166	180990	9.11 ng/ul	98
70) Phenanthrene	17.46	178	811838	33.10 ng/ul	98
72) Anthracene	17.55	178	226251m	9.05 ng/ul	
75) Carbazole	17.81	167	91019	4.15 ng/ul#	86
77) Fluoranthene	19.48	202	900880	34.39 ng/ul	100
80) Pyrene	19.84	202	815393	30.67 ng/ul	100
81) Butylbenzylphthalate	20.72	149	241711	21.49 ng/ul#	80
83) Benzo(a)anthracene	21.67	228	322633	13.23 ng/ul#	92
84) Bis(2-ethylhexyl)phthalate	21.59	149	2082358	131.06 ng/ul#	84
85) Chrysene	21.75	228	333316	14.62 ng/ul#	92
88) Benzo(b)fluoranthene	23.94	252	407758	16.55 ng/ul#	35
89) Benzo(k)fluoranthene	24.00	252	160855m	6.78 ng/ul	
91) Benzo(a)pyrene	24.82	252	267382	11.41 ng/ul#	9
92) Indeno(1,2,3-cd)pyrene	28.74	276	173139m	6.39 ng/ul	

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QLast Update : Wed Aug 12 00:54:17 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.90	276	147936m	6.50	ng/ul	

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

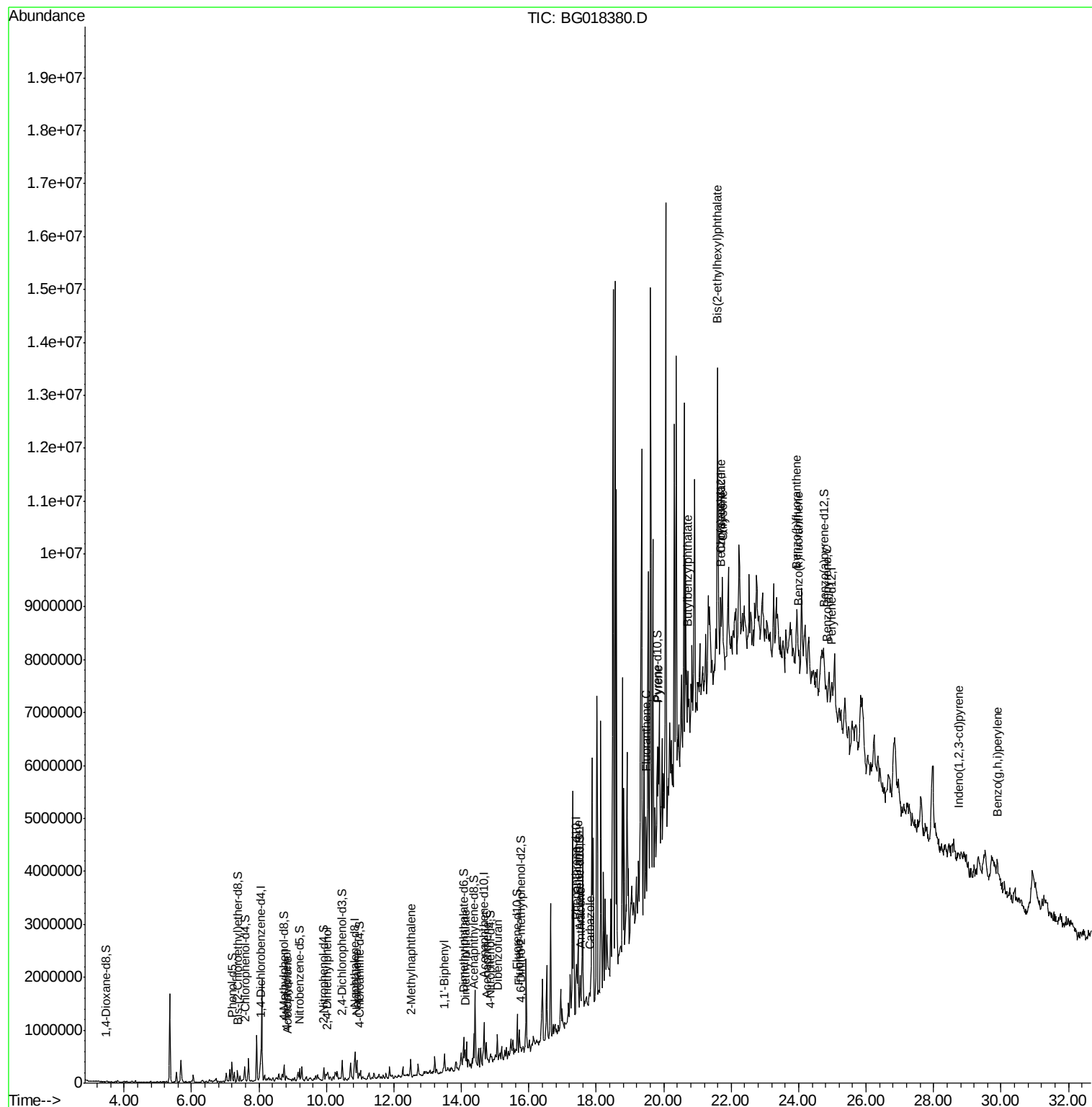
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081115\
Data File : BG018380.D
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Misc :
ALS Vial : 4 Sample Multiplier: 1

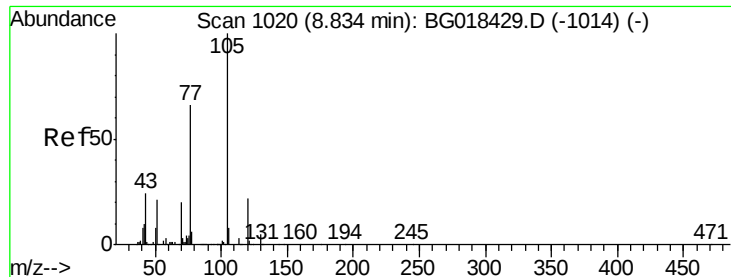
Instrument :
BNA_G
ClientSampled :
C01P9

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
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Response via : Initial Calibration





#14

Acetophenone

Concen: 3.06 ng/ul

RT: 8.85 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

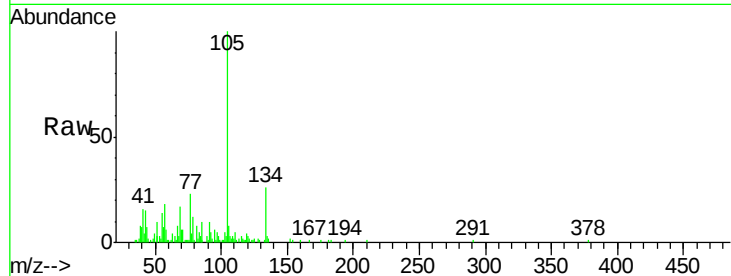
ClientSampleId :

C01P9

Tgt Ion:	105	Resp:	32226
Ion Ratio		Lower	Upper
105	100		
77	23.1	61.9	92.9#
51	9.5	25.5	38.3#

Manual Integrations
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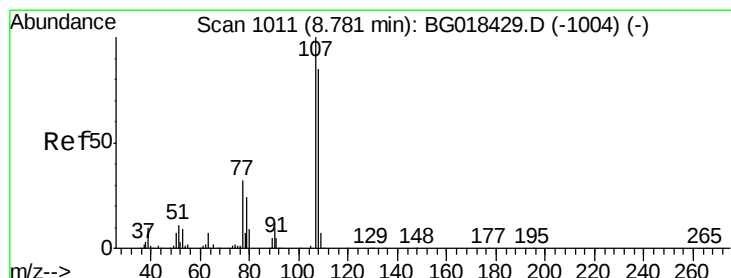
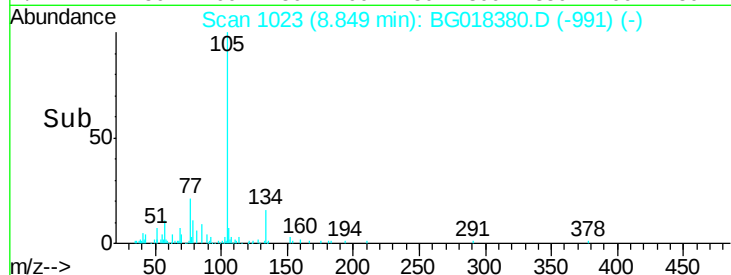
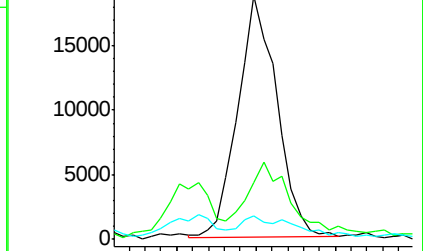
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Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#16

4-Methylphenol

Concen: 2.86 ng/ul

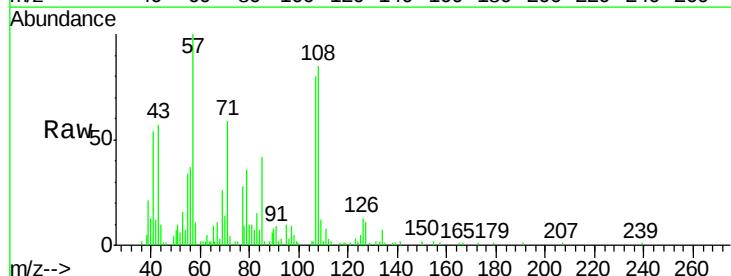
RT: 8.81 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BG018380.D

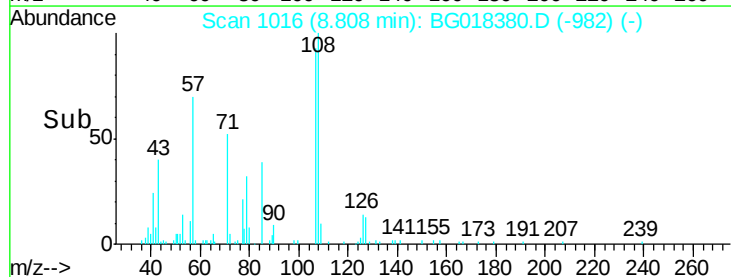
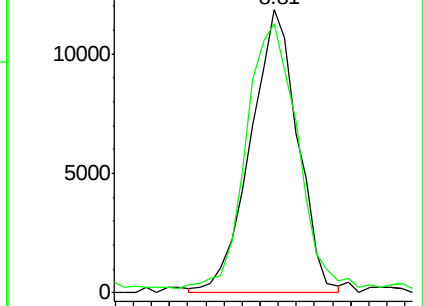
Acq: 11 Aug 2015 14:13

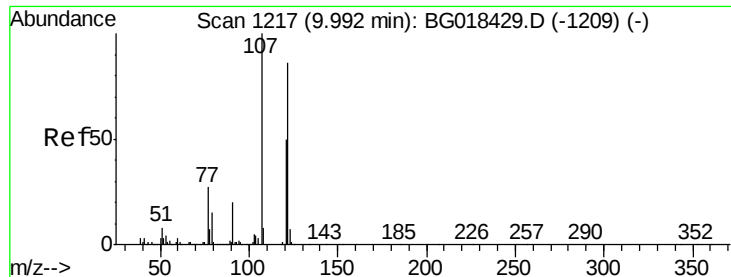
Tgt Ion:	108	Resp:	21457
Ion Ratio		Lower	Upper
108	100		
107	95.0	94.6	142.0



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





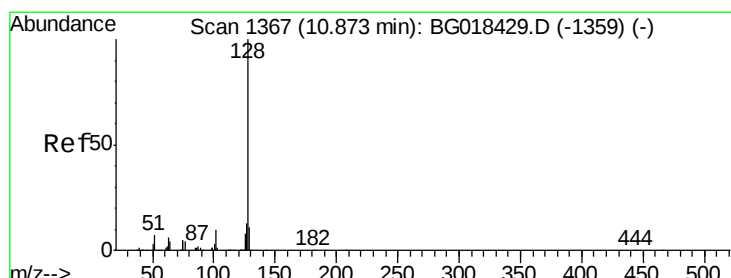
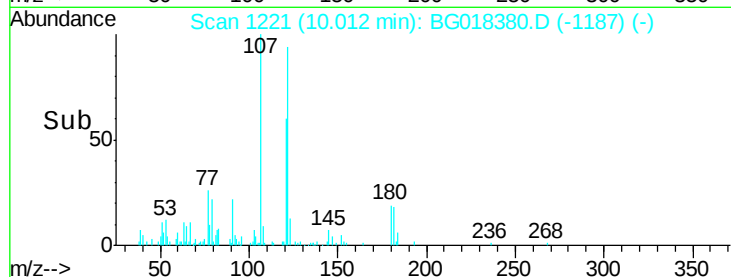
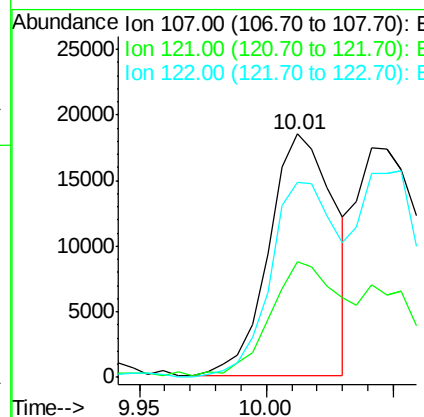
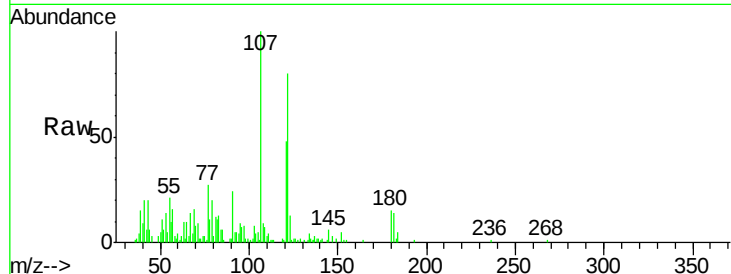
#24
2,4-Dimethylphenol
Concen: 3.83 ng/ul
RT: 10.01 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Instrument :
BNA_G
ClientSampleId :
C01P9

Tgt Ion	Ratio	Lower	Upper
107	100		
121	47.7	41.3	61.9
122	80.2	71.9	107.9

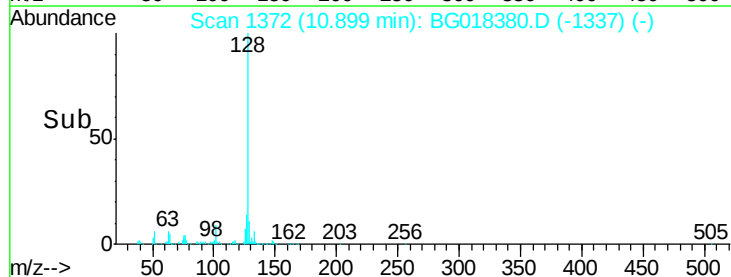
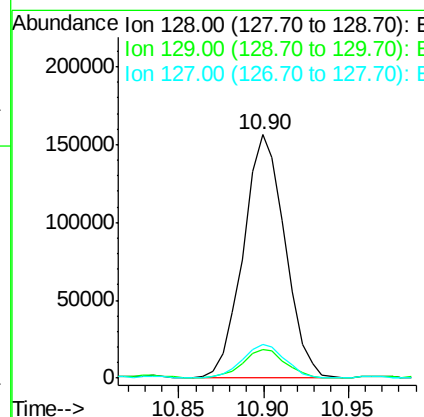
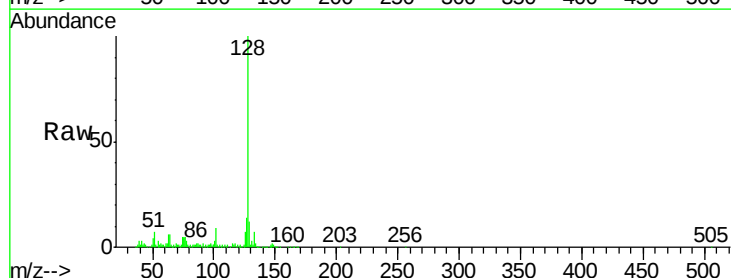
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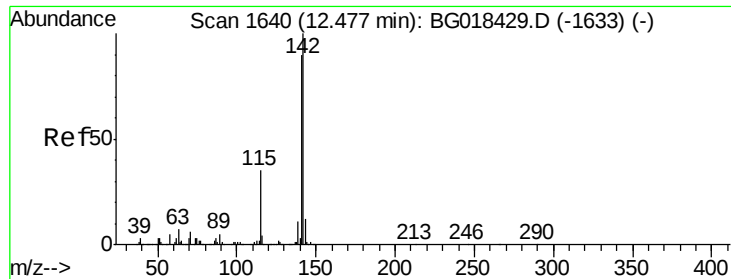
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#28
Naphthalene
Concen: 11.59 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.6	14.4
127	13.9	10.5	15.7





#34

2-Methylnaphthalene

Concen: 9.75 ng/ul

RT: 12.50 min Scan# 1645

Delta R.T. 0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

ClientSampleId :

C01P9

Tgt Ion:142 Resp: 162678

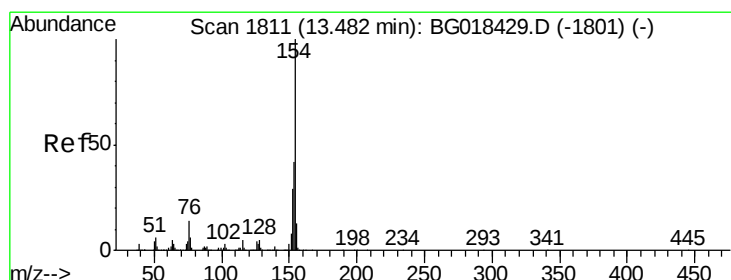
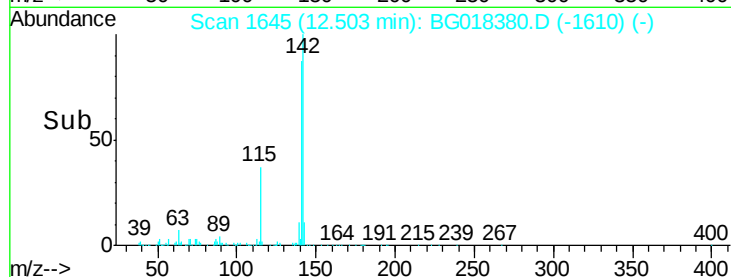
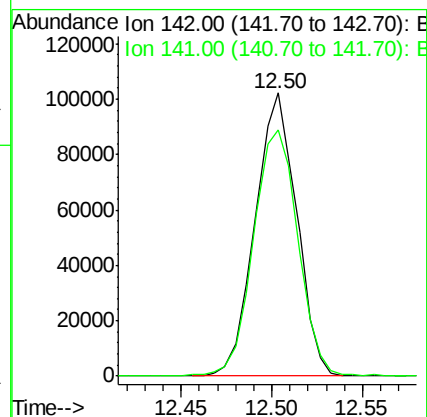
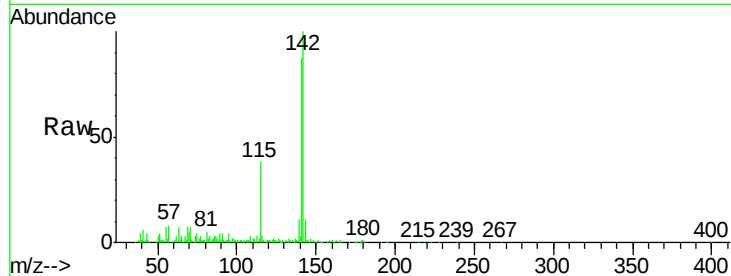
Ion Ratio Lower Upper

142 100

141 87.2 78.0 117.0

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#41

1,1'-Biphenyl

Concen: 3.32 ng/ul

RT: 13.50 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

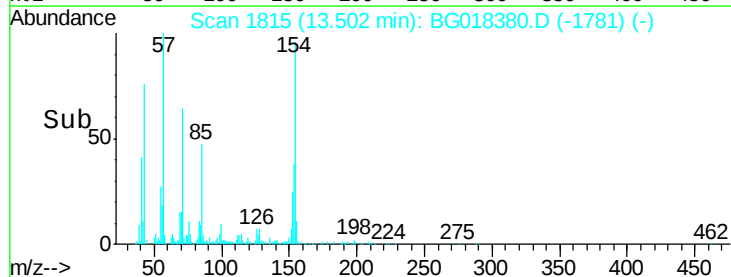
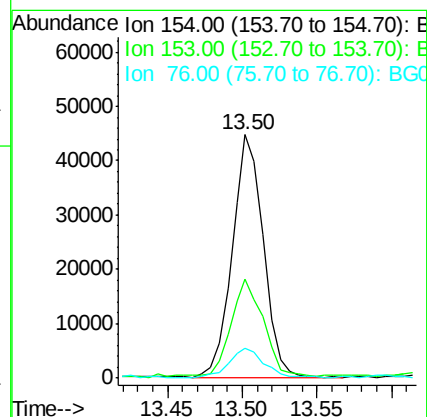
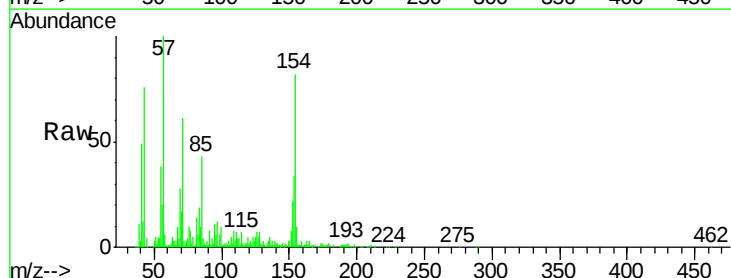
Tgt Ion:154 Resp: 65566

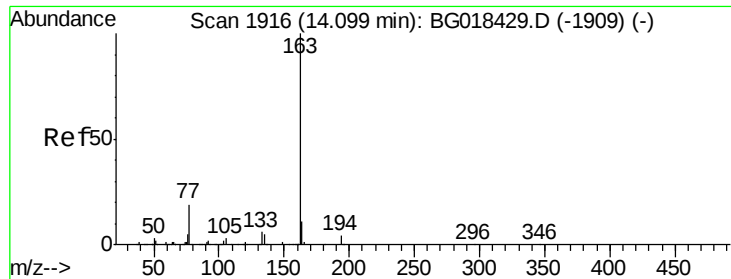
Ion Ratio Lower Upper

154 100

153 40.8 35.2 52.8

76 12.3 10.6 16.0





#45

Dimethylphthalate

Concen: 7.44 ng/ul

RT: 14.11 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

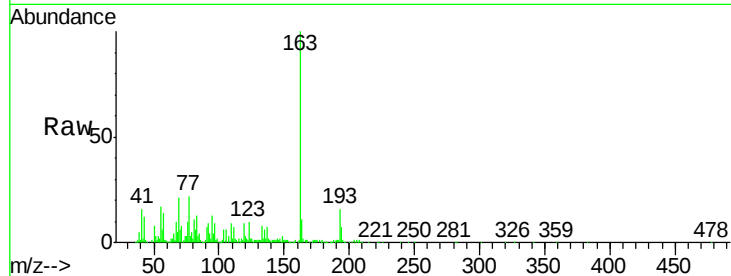
ClientSampleId :

C01P9

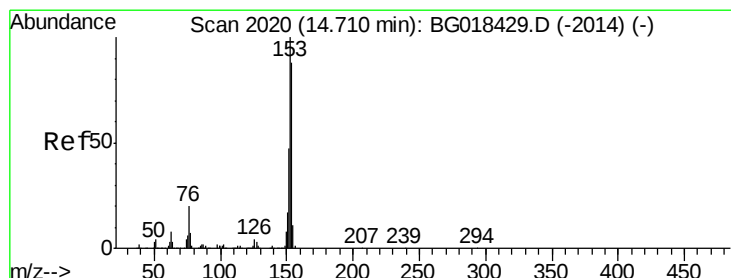
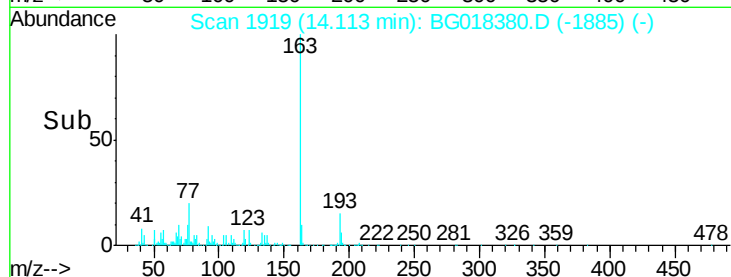
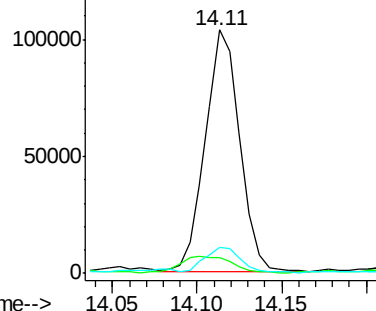
Tgt Ion:	163	Resp:	146254
Ion Ratio		Lower	Upper
163	100		
194	6.7	2.9	4.3#
164	10.8	7.7	11.5

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

Acenaphthene

Concen: 9.86 ng/ul

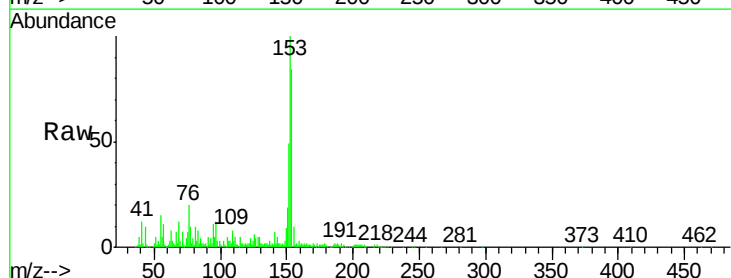
RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

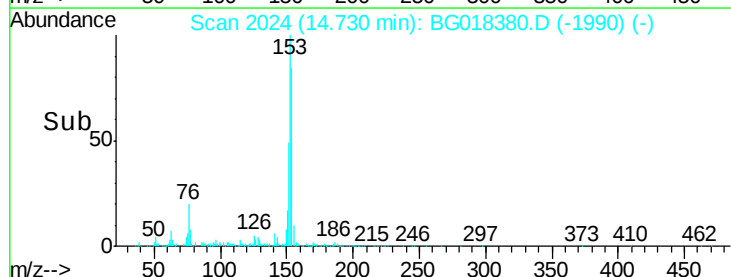
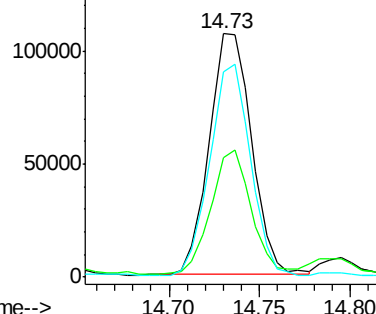
Lab File: BG018380.D

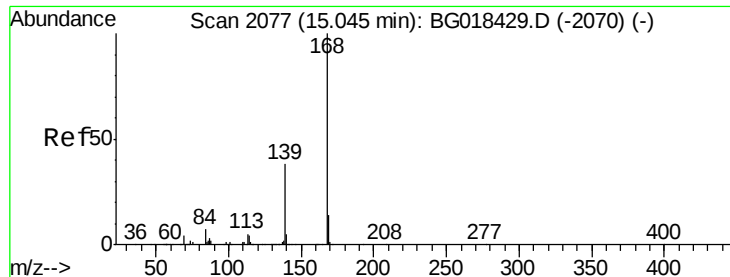
Acq: 11 Aug 2015 14:13

Tgt Ion:	153	Resp:	174095
Ion Ratio		Lower	Upper
153	100		
152	49.3	38.2	57.4
154	84.3	68.6	103.0



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





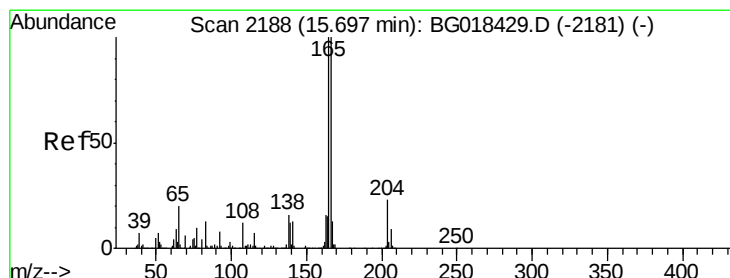
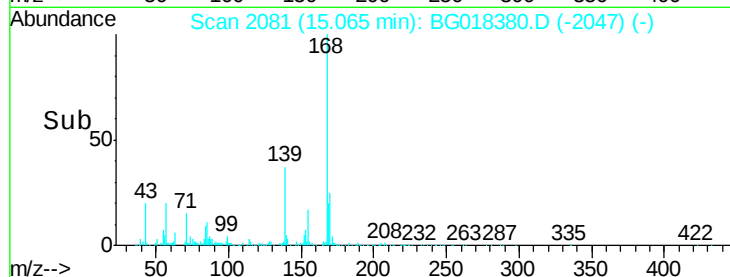
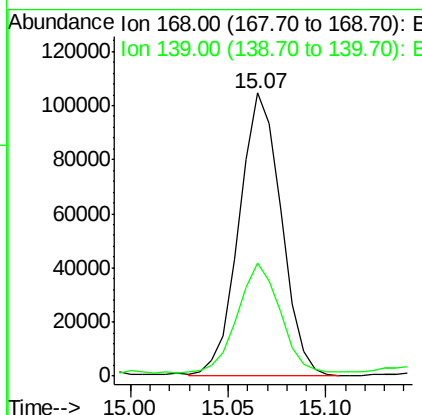
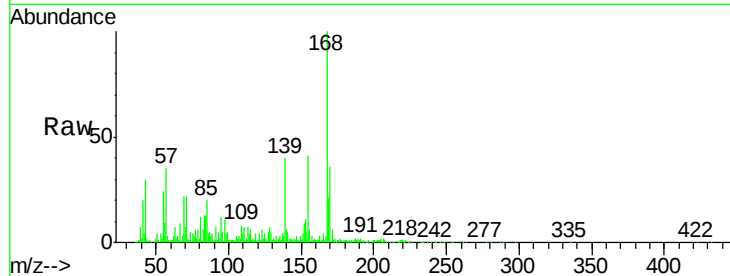
#54
Dibenzenofuran
Concen: 6.74 ng/ul
RT: 15.07 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BG018380.D
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Tgt Ion	Ratio	Resp	Lower	Upper
168	100	155634		
139	40.1	29.7	44.5	

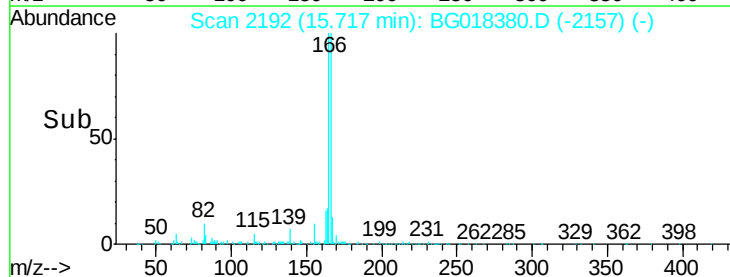
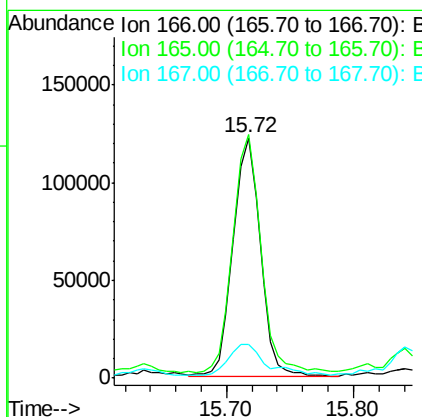
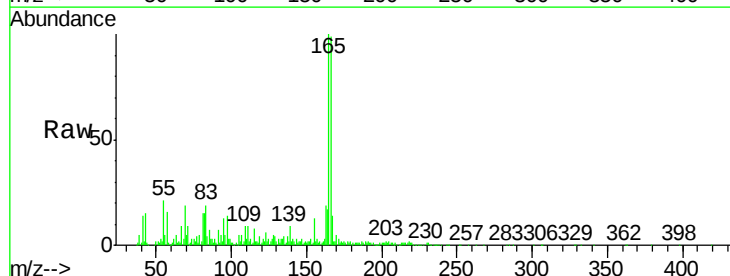
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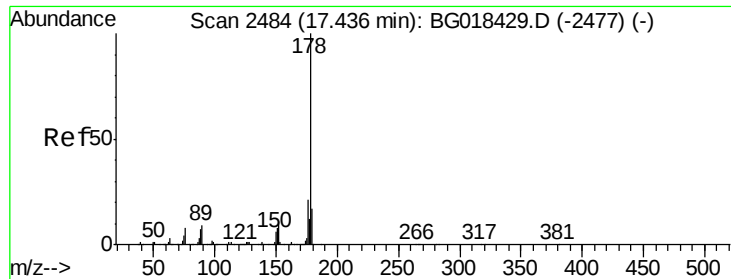
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#59
Fluorene
Concen: 9.11 ng/ul
RT: 15.72 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	180990		
165	101.3	82.6	124.0	
167	14.1	11.4	17.0	





#70

Phenanthrene

Concen: 33.10 ng/ul

RT: 17.46 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

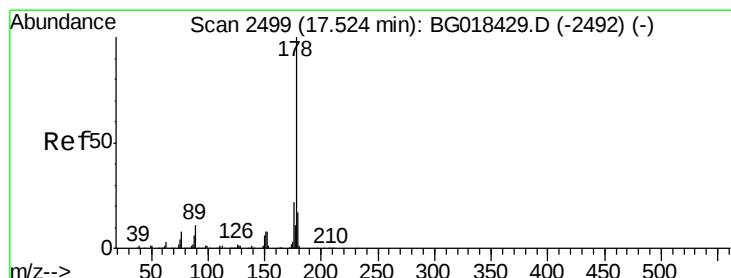
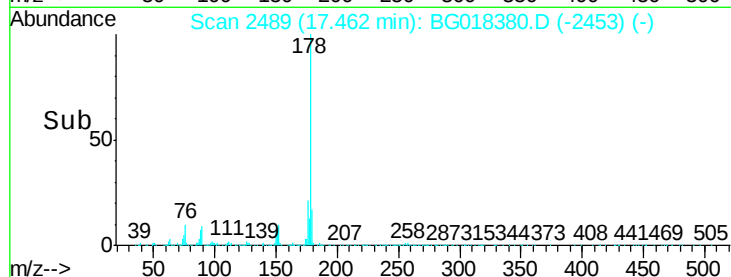
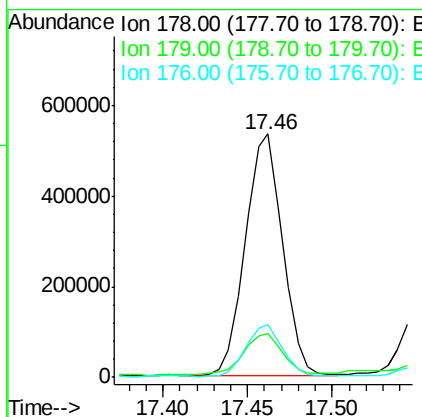
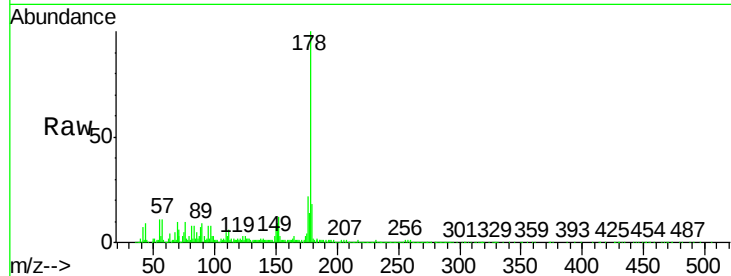
ClientSampleId :

C01P9

Tgt Ion:	178	Resp:	811838
Ion Ratio	Lower	Upper	
178	100		
179	17.8	13.7	20.5
176	21.7	16.6	24.8

Manual Integrations
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#72

Anthracene

Concen: 9.05 ng/ul m

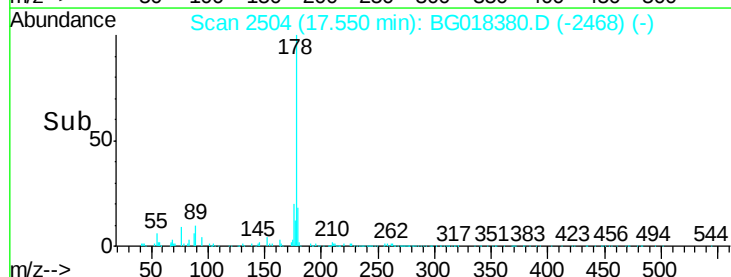
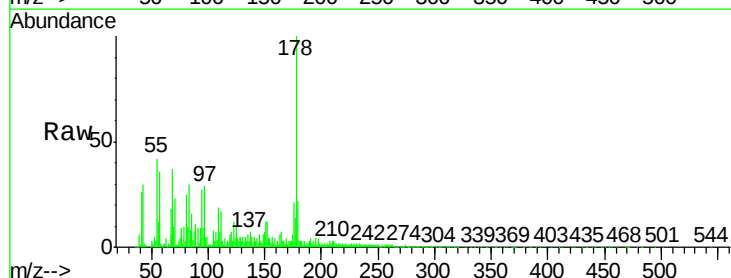
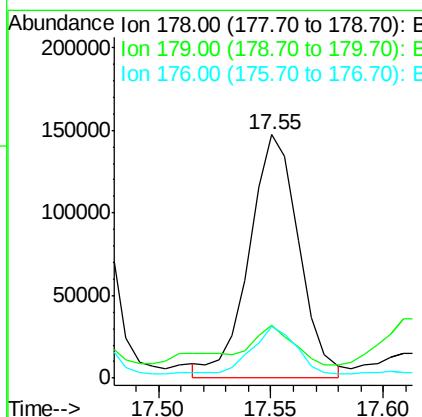
RT: 17.55 min Scan# 2504

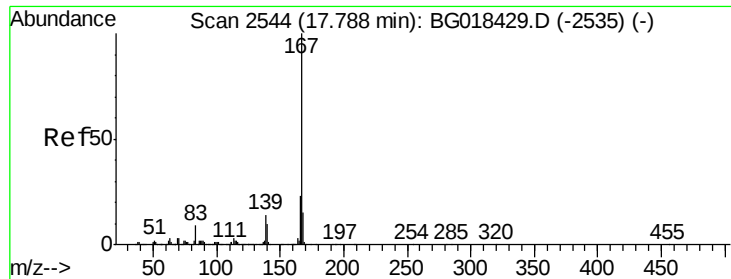
Delta R.T. 0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Tgt Ion:	178	Resp:	226251
Ion Ratio	Lower	Upper	
178	100		
179	22.0	13.0	19.4#
176	21.3	16.0	24.0





#75

Carbazole

Concen: 4.15 ng/ul

RT: 17.81 min Scan# 2549

Delta R.T. 0.01 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

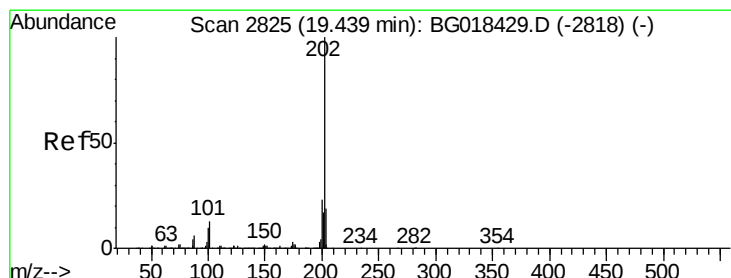
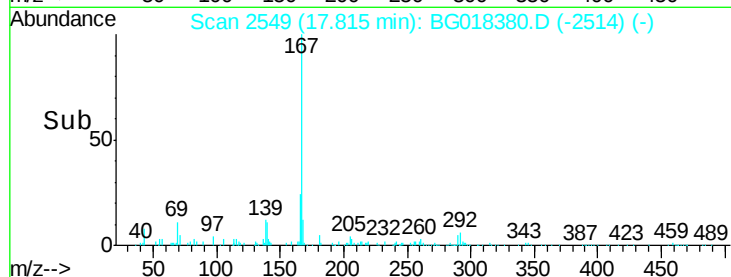
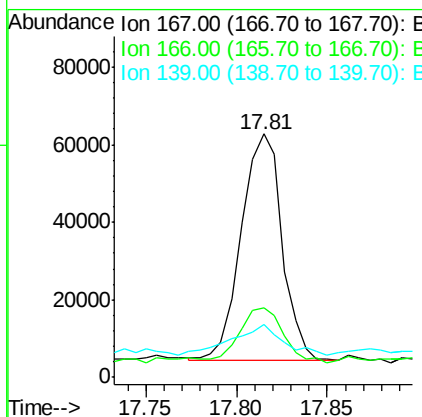
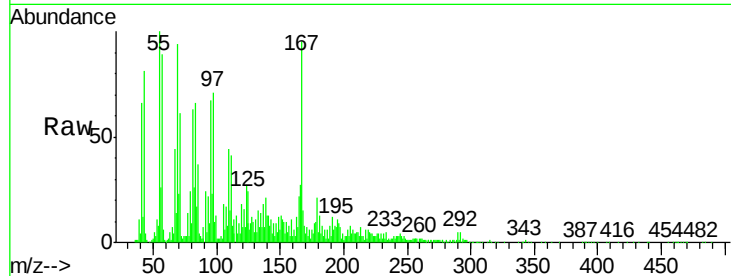
ClientSampleId :

C01P9

Tgt Ion:	167	Resp:	91019
Ion Ratio	Lower	Upper	
167	100		
166	28.6	18.9	28.3#
139	21.5	10.1	15.1#

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#77

Fluoranthene

Concen: 34.39 ng/ul

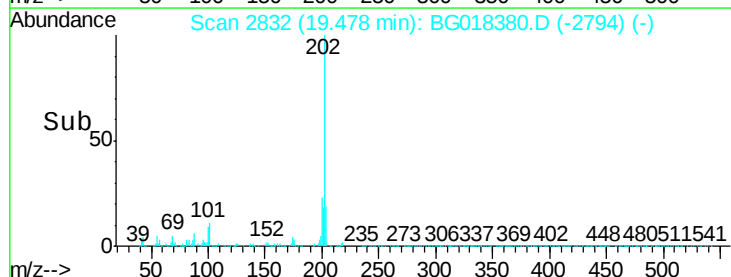
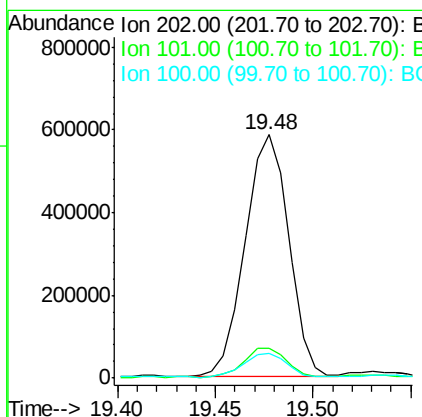
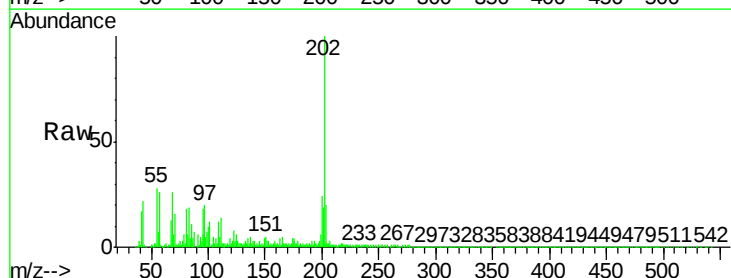
RT: 19.48 min Scan# 2832

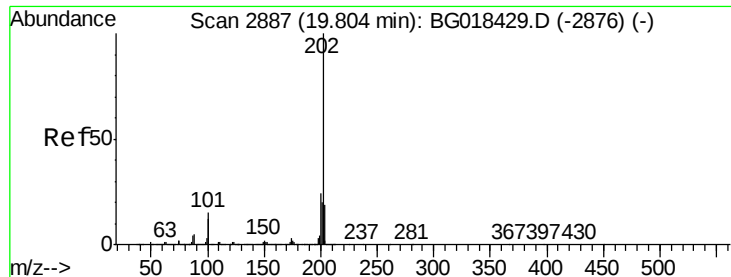
Delta R.T. 0.02 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Tgt Ion:	202	Resp:	900880
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.7	14.5
100	10.1	7.8	11.8





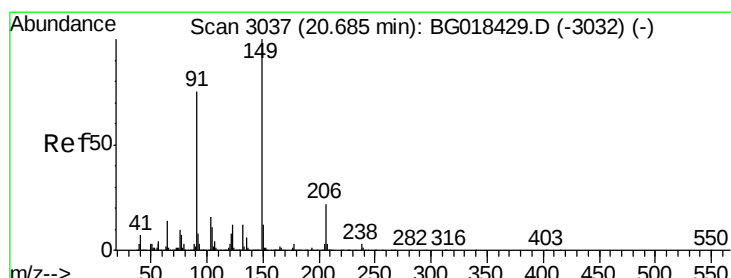
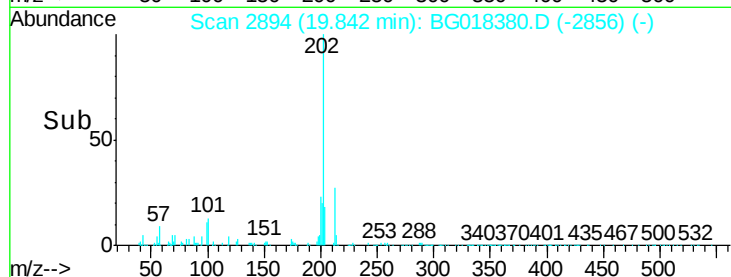
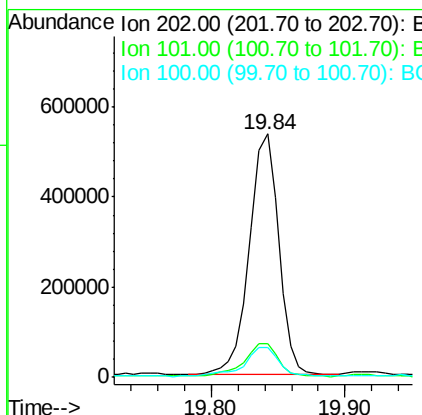
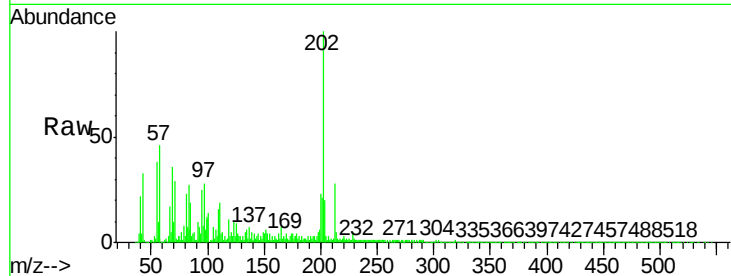
#80
Pyrene
Concen: 30.67 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Instrument :
BNA_G
ClientSampleId :
C01P9

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.9	11.0	16.4
100	12.2	9.8	14.6

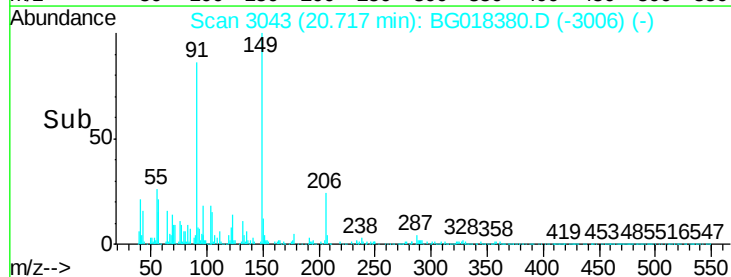
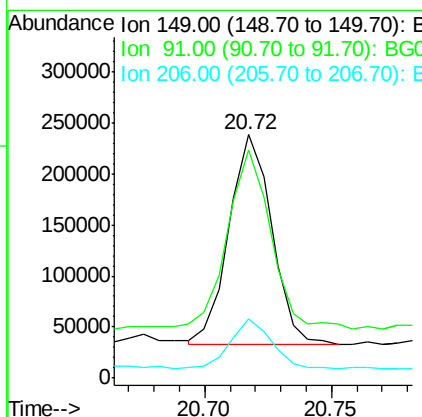
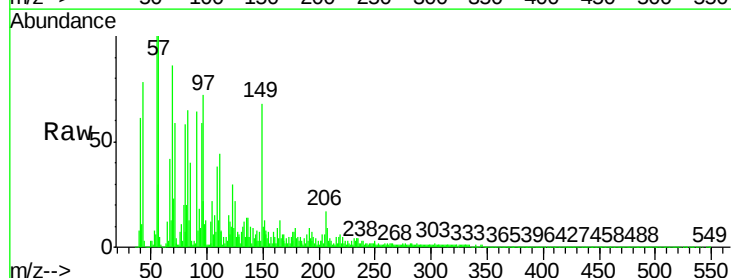
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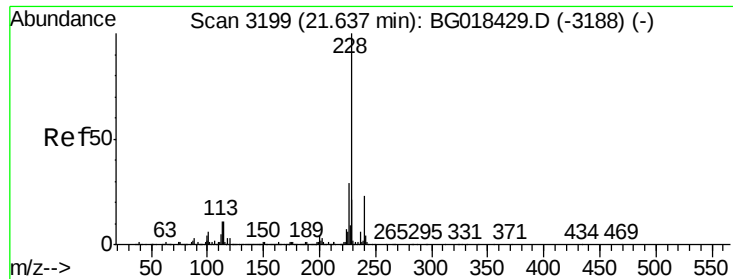
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#81
Butylbenzylphthalate
Concen: 21.49 ng/ul
RT: 20.72 min Scan# 3043
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	93.7	57.9	86.9#
206	24.3	17.9	26.9





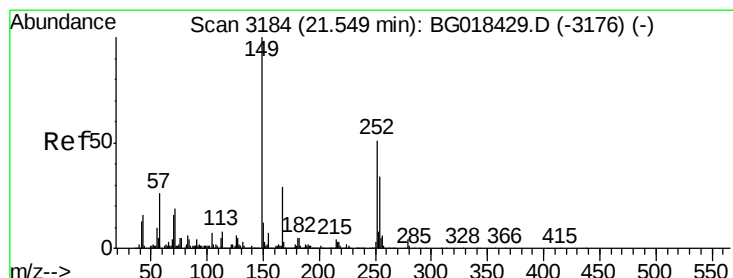
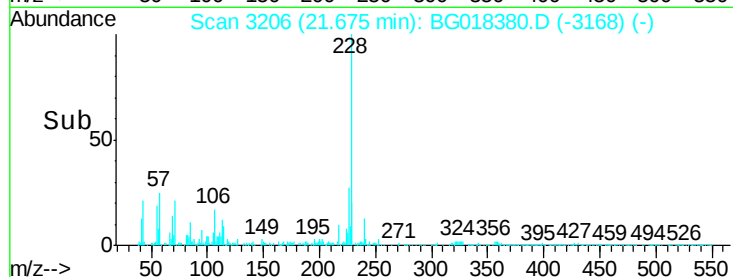
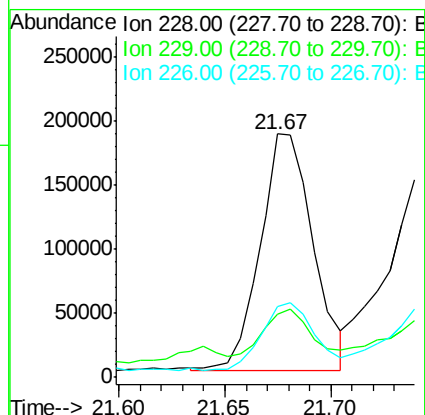
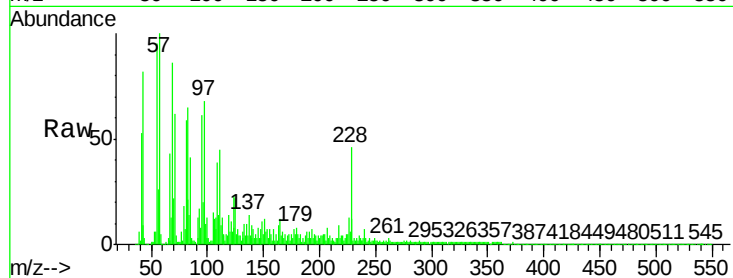
#83
Benzo(a)anthracene
Concen: 13.23 ng/ul
RT: 21.67 min Scan# 3206
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Instrument :
BNA_G
ClientSampleId :
C01P9

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	322633		
229	26.2	15.5	23.3#	
226	29.0	22.1	33.1	

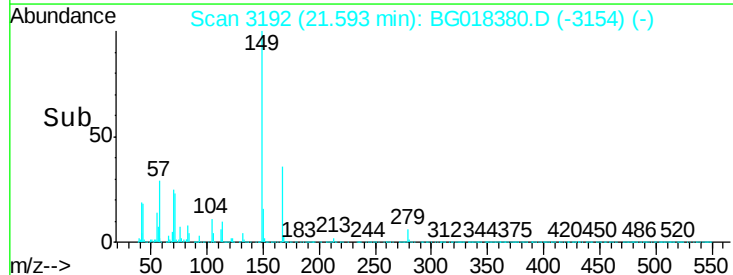
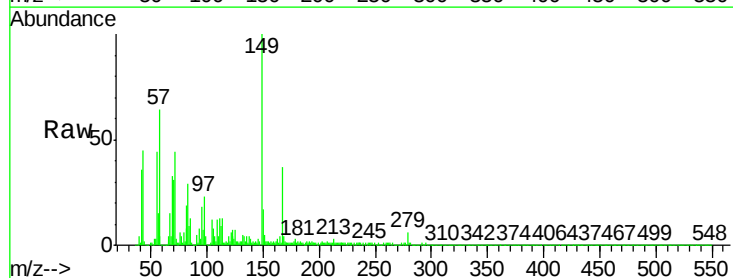
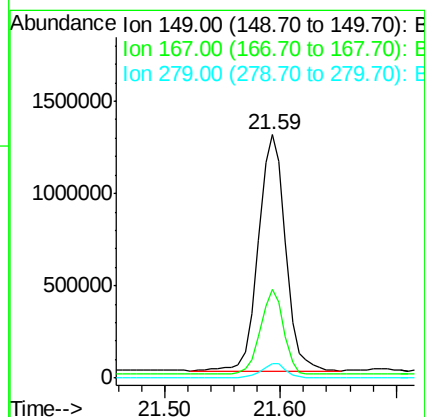
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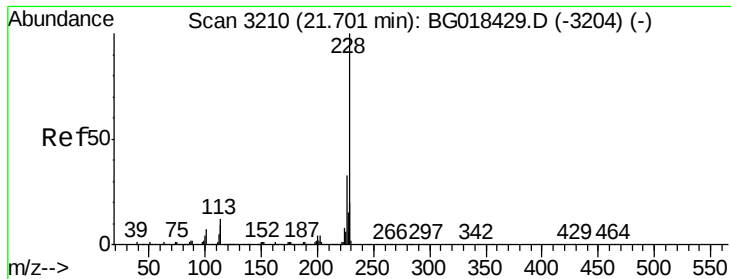
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#84
Bis(2-ethylhexyl)phthalate
Concen: 131.06 ng/ul
RT: 21.59 min Scan# 3192
Delta R.T. 0.02 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	2082358		
167	36.6	22.2	33.2#	
279	6.2	2.8	4.2#	





#85

Chrysene

Concen: 14.62 ng/ul

RT: 21.75 min Scan# 3218

Delta R.T. 0.02 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Instrument :

BNA_G

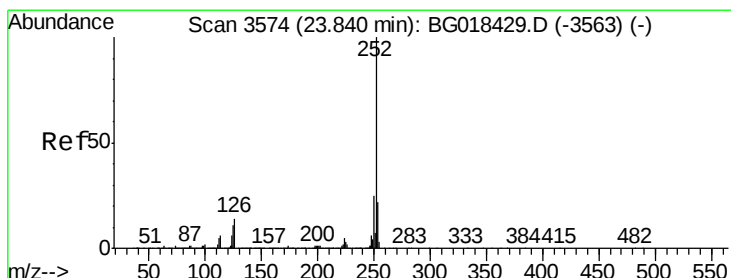
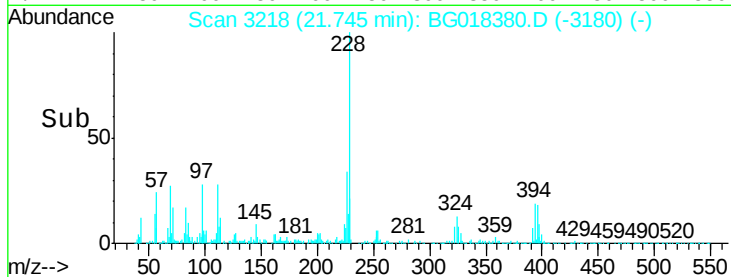
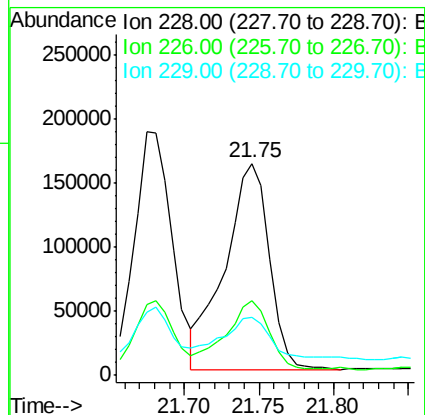
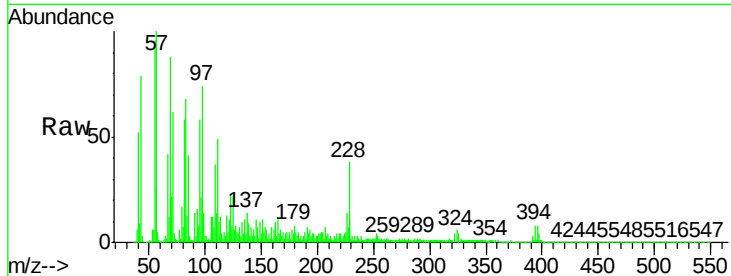
ClientSampleId :

C01P9

Tgt	Ion	228	Resp	333316
	Ratio	100	Lower	Upper
	226	35.3	26.5	39.7
	229	27.4	16.9	25.3#

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#88

Benzo(b)fluoranthene

Concen: 16.55 ng/ul

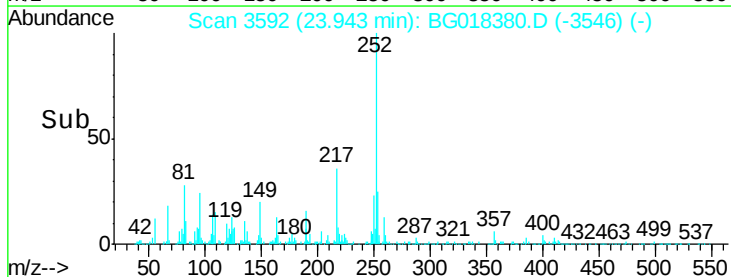
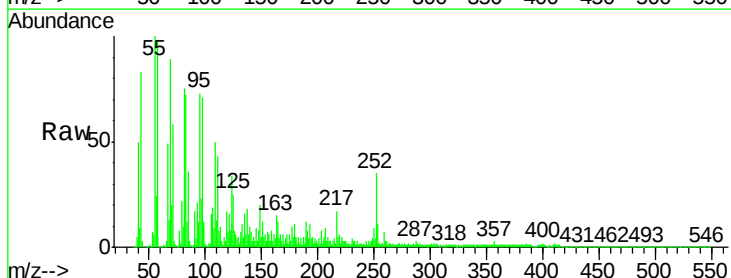
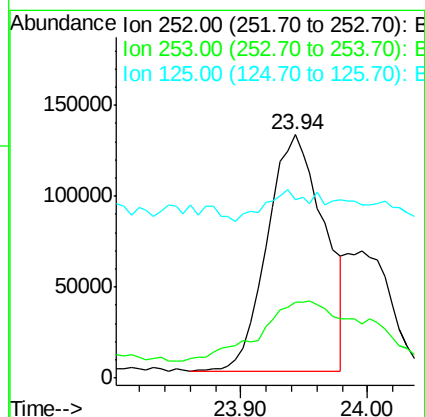
RT: 23.94 min Scan# 3592

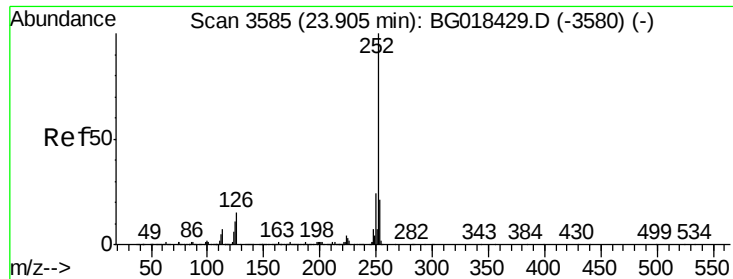
Delta R.T. 0.07 min

Lab File: BG018380.D

Acq: 11 Aug 2015 14:13

Tgt	Ion	252	Resp	407758
	Ratio	100	Lower	Upper
	253	31.1	18.1	27.1#
	125	73.3	8.3	12.5#





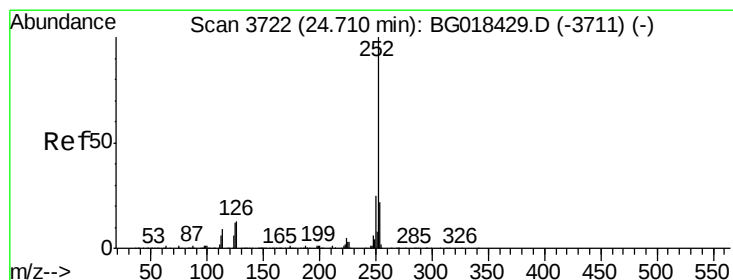
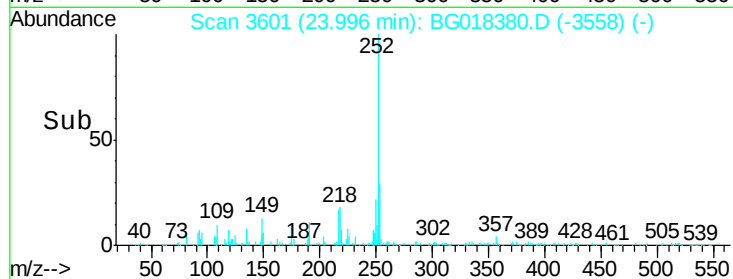
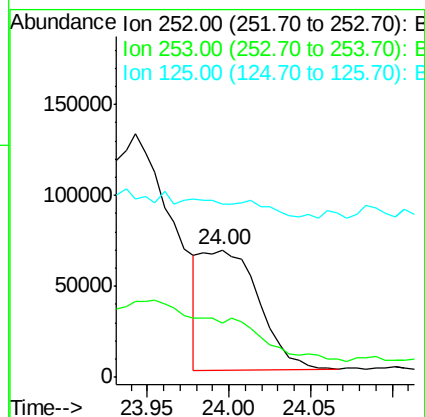
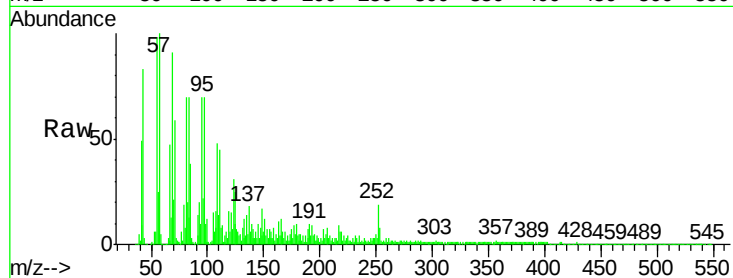
#89
Benzo(k)fluoranthene
Concen: 6.78 ng/ul m
RT: 24.00 min Scan# 3601
Delta R.T. 0.05 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Instrument :
BNA_G
ClientSampleId :
C01P9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.9	17.8	26.6#
125	135.7	9.0	13.4#

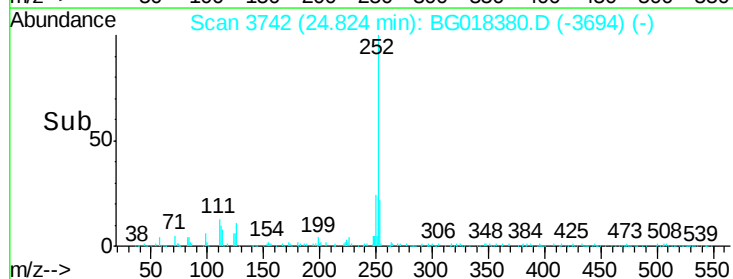
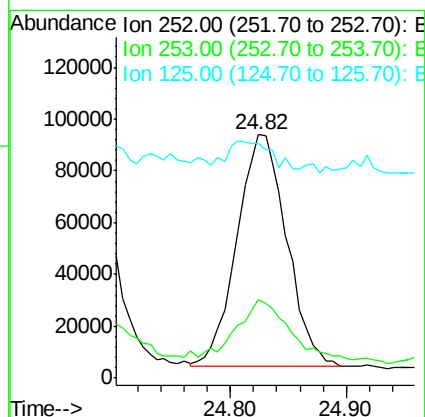
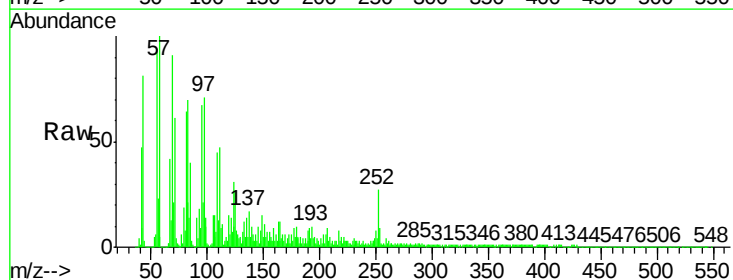
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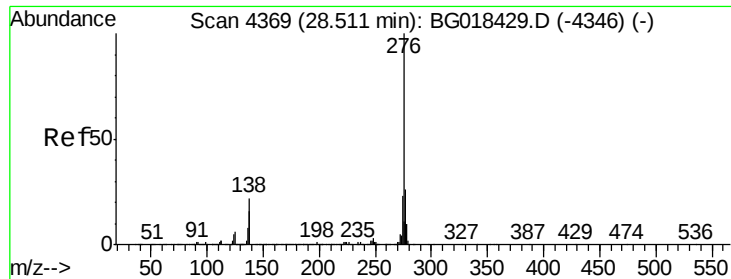
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#91
Benzo(a)pyrene
Concen: 11.41 ng/ul
RT: 24.82 min Scan# 3742
Delta R.T. 0.08 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	17.7	26.5#
125	96.5	10.2	15.2#





#92

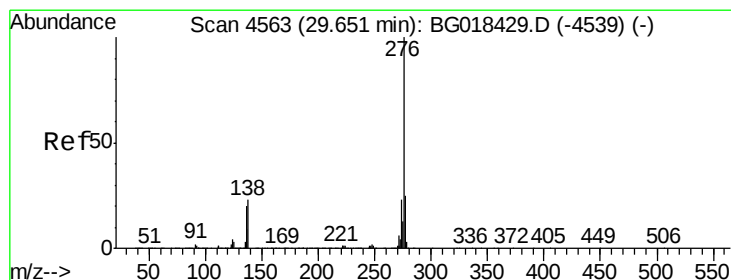
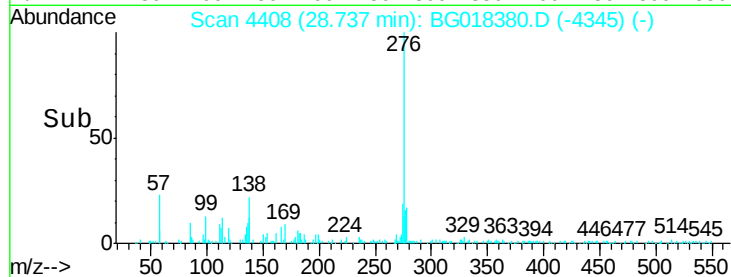
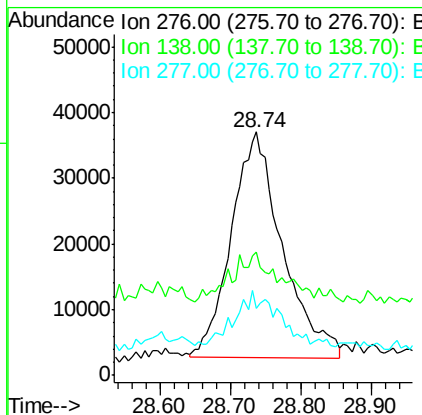
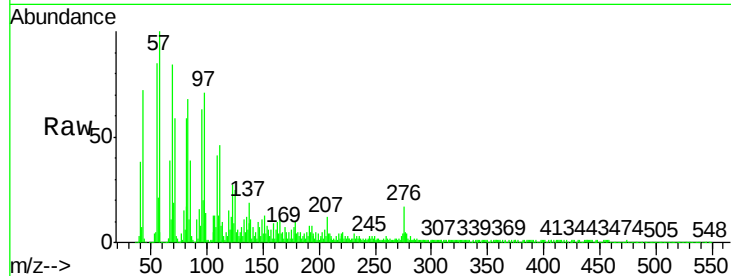
Indeno(1,2,3-cd)pyrene
Concen: 6.39 ng/ul m
RT: 28.74 min Scan# 4408
Delta R.T. 0.17 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Instrument :
BNA_G
ClientSampleId :
C01P9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	50.8	15.8	23.6#
277	27.6	18.9	28.3

Manual Integrations
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#94

Benzo(g,h,i)perylene
Concen: 6.50 ng/ul m
RT: 29.90 min Scan# 4606
Delta R.T. 0.19 min
Lab File: BG018380.D
Acq: 11 Aug 2015 14:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	53.0	16.5	24.7#
277	32.5	19.0	28.6#

