

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081015\
 Data File : BG018369.D
 Acq On : 11 Aug 2015 00:44
 Operator : UM/MA
 Sample : G3109-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W6

Manual Integrations
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apatel
 8/11/2015 9:13:58 AM

Quant Time: Aug 14 03:00:31 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 11 01:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	124934	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	544914	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.67	164	309675	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.41	188	618446	20.00	ng/ul	0.01
78) Chrysene-d12	21.69	240	533460	20.00	ng/ul	0.03
86) Perylene-d12	24.95	264	543480	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	4247	1.50	ng/uL	0.00
5) Phenol-d5	7.20	99	101915	8.99	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.36	67	66582	9.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	79997	9.21	ng/ul	0.01
13) 4-Methylphenol-d8	8.74	113	72363	7.60	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	41838	9.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	43907	10.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	88708	9.66	ng/ul	0.01
29) 4-Chloroaniline-d4	10.97	131	24329	2.34	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	274536	10.54	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	348570	10.62	ng/ul	0.01
52) 4-Nitrophenol-d4	14.85	143	30412	6.49	ng/ul	0.01
58) Fluorene-d10	15.66	176	239842	10.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	9005	2.96	ng/ul	0.01
71) Anthracene-d10	17.51	188	324215	10.96	ng/ul	0.01
79) Pyrene-d10	19.80	212	305981	11.06	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.72	264	313374	10.86	ng/ul	0.07

Target Compounds

						Qvalue
28) Naphthalene	10.90	128	50893	1.77	ng/ul	98
34) 2-Methylnaphthalene	12.50	142	33513	1.61	ng/ul	88
45) Dimethylphthalate	14.12	163	124871	4.86	ng/ul#	97
50) Acenaphthene	14.73	153	36781	1.59	ng/ul	95
54) Dibenzofuran	15.06	168	34219	1.13	ng/ul	89
59) Fluorene	15.72	166	36237	1.40	ng/ul	99
70) Phenanthrene	17.45	178	341259	10.17	ng/ul	100
72) Anthracene	17.55	178	80703m	2.36	ng/ul	
75) Carbazole	17.81	167	39356	1.31	ng/ul#	79
76) Di-n-butylphthalate	18.37	149	130086	3.32	ng/ul#	91
77) Fluoranthene	19.46	202	774777	21.62	ng/ul	99
80) Pyrene	19.83	202	775317	21.49	ng/ul	99
81) Butylbenzylphthalate	20.71	149	228064	14.95	ng/ul#	78
83) Benzo(a)anthracene	21.67	228	424213	12.83	ng/ul#	90
84) Bis(2-ethylhexyl)phthalate	21.59	149	3752683	174.08	ng/ul#	67
85) Chrysene	21.74	228	430656	13.93	ng/ul	97
88) Benzo(b)fluoranthene	23.91	252	685914	20.09	ng/ul#	81
89) Benzo(k)fluoranthene	23.97	252	204379	6.22	ng/ul#	59
91) Benzo(a)pyrene	24.79	252	425140	13.09	ng/ul#	77
92) Indeno(1,2,3-cd)pyrene	28.66	276	296942	7.90	ng/ul#	83
94) Benzo(g,h,i)perylene	29.81	276	293791m	9.31	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

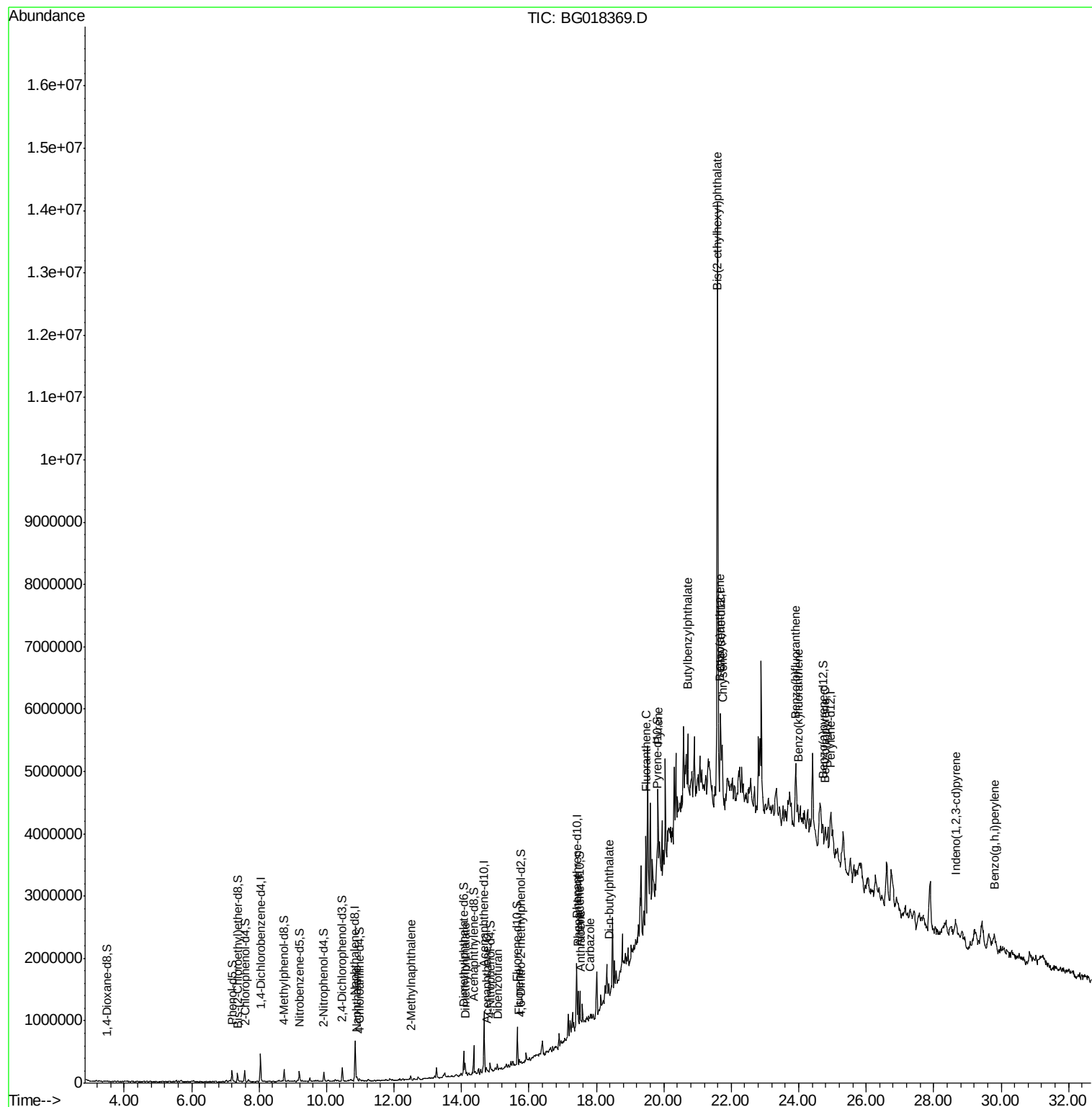
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081015\
Data File : BG018369.D
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Operator : UM/MA
Sample : G3109-16
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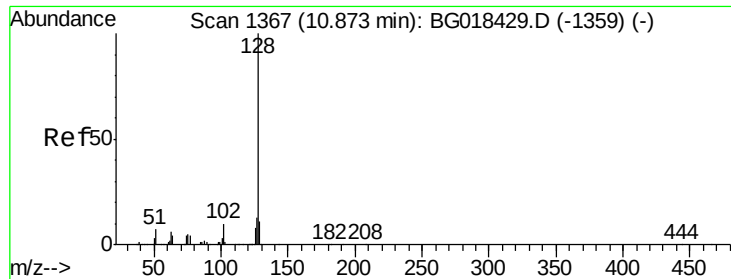
Instrument :
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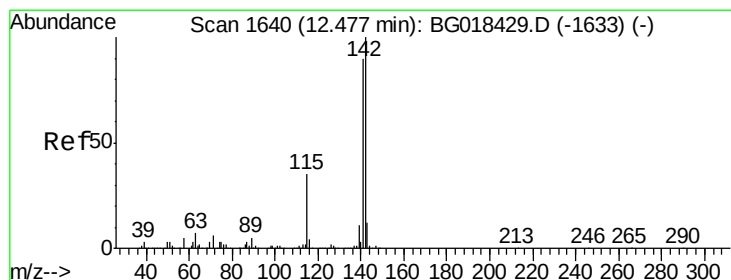
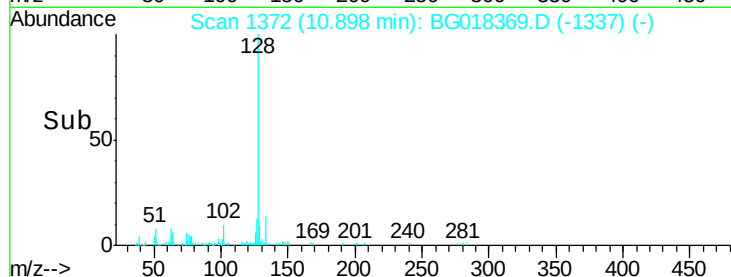
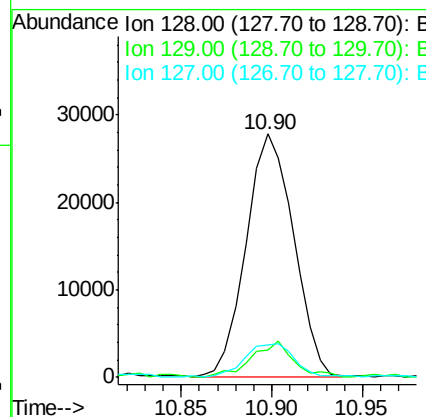
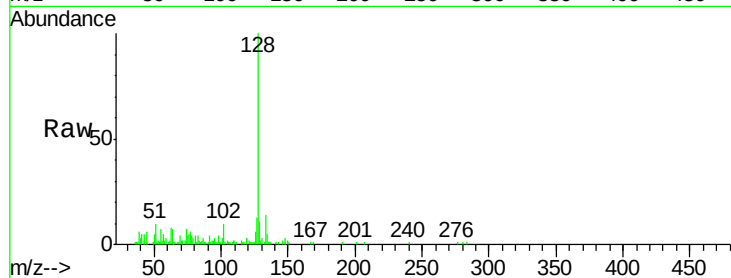
#28
Naphthalene
Concen: 1.77 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Instrument :
BNA_G
ClientSampleId :
C01W6

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.1	9.6	14.4
127	13.5	10.5	15.7

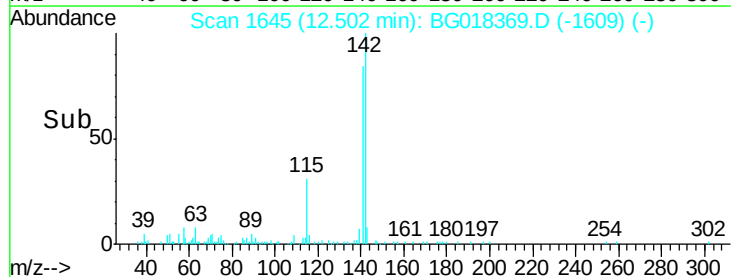
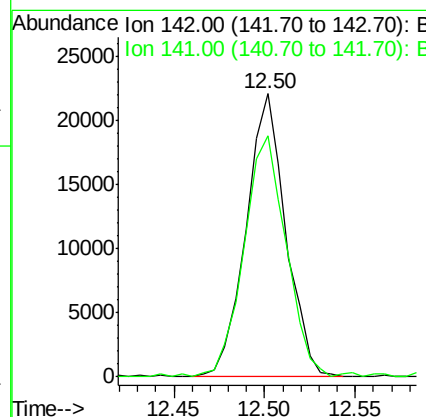
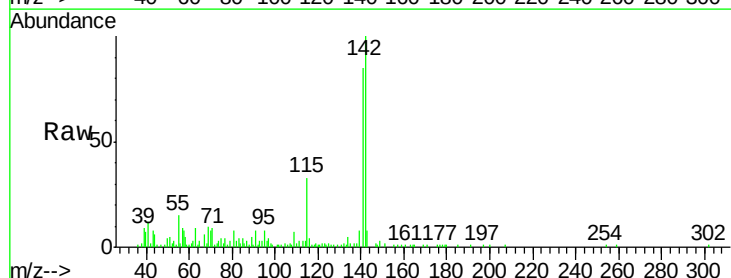
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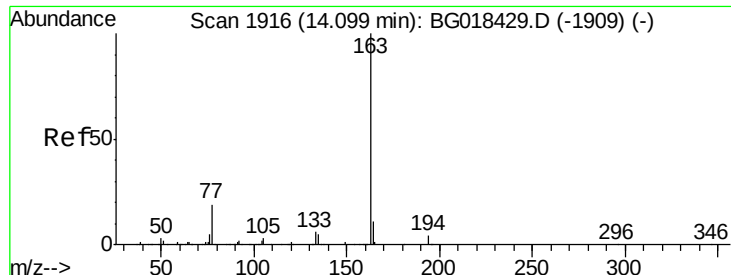
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#34
2-Methylnaphthalene
Concen: 1.61 ng/ul
RT: 12.50 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	85.4	78.0	117.0





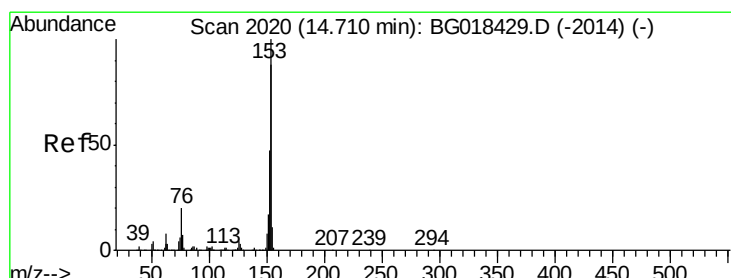
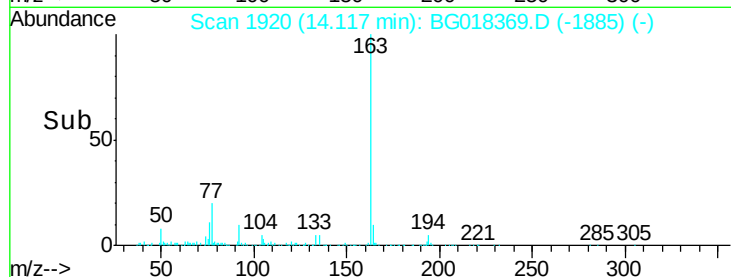
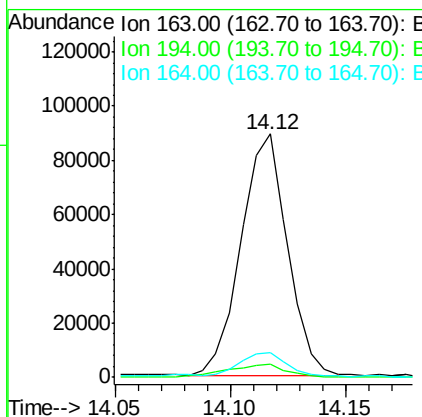
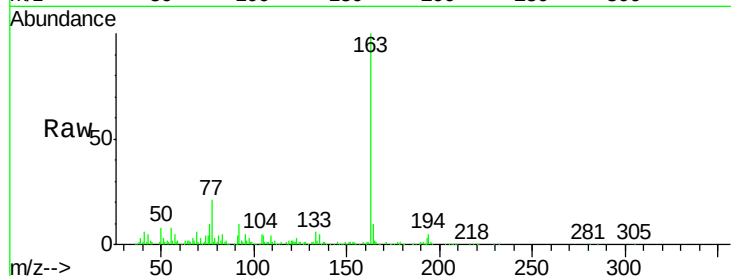
#45
Dimethylphthalate
Concen: 4.86 ng/ul
RT: 14.12 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Instrument :
BNA_G
ClientSampleId :
C01W6

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	5.4	2.9	4.3#
164	10.3	7.7	11.5

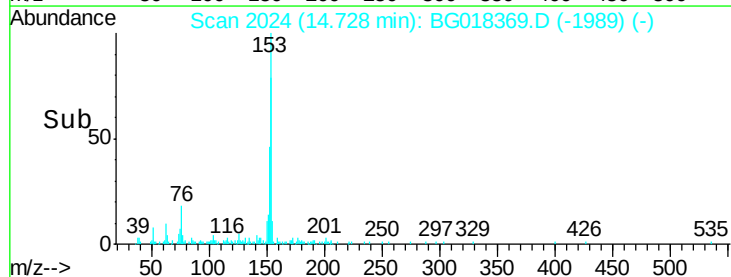
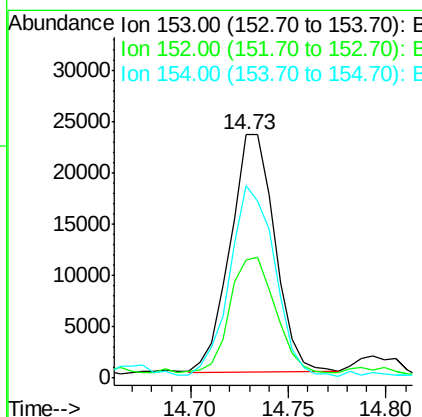
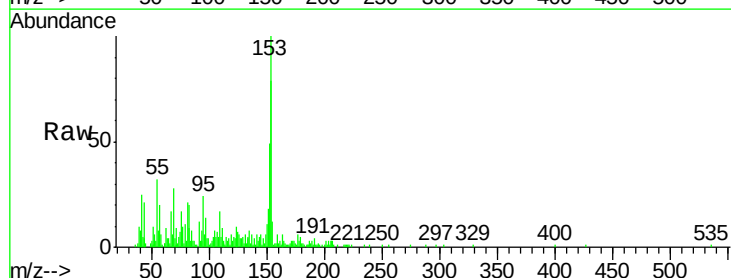
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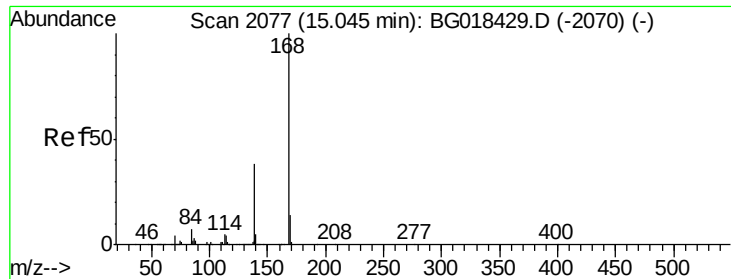
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#50
Acenaphthene
Concen: 1.59 ng/ul
RT: 14.73 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Tgt Ion	Ratio	Resp Lower	Upper
153	100		
152	48.6	38.2	57.4
154	78.8	68.6	103.0





#54

Dibenzenofuran

Concen: 1.13 ng/ul

RT: 15.06 min Scan# 2081

Delta R.T. 0.01 min

Lab File: BG018369.D

Acq: 11 Aug 2015 00:44

Instrument :

BNA_G

ClientSampleId :

C01W6

Tgt Ion:168 Resp: 34219

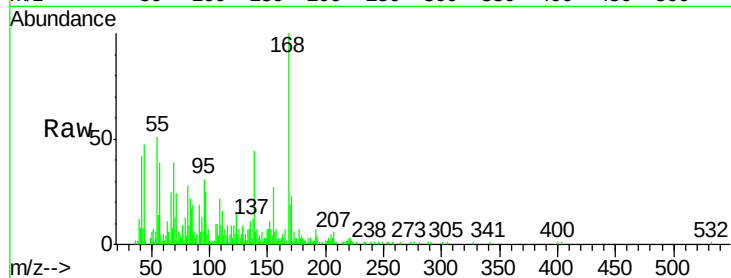
Ion Ratio Lower Upper

168 100

139 43.8 29.7 44.5

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

25000

20000

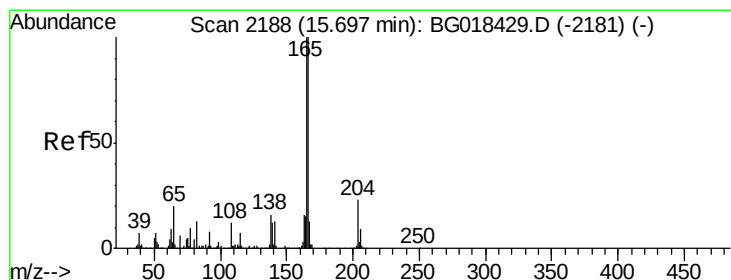
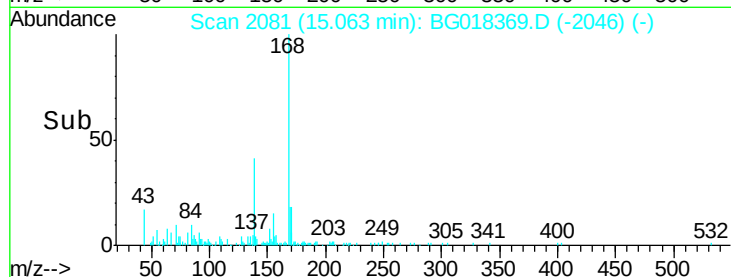
15000

10000

5000

0

Time--> 15.00 15.05 15.10



#59

Fluorene

Concen: 1.40 ng/ul

RT: 15.72 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BG018369.D

Acq: 11 Aug 2015 00:44

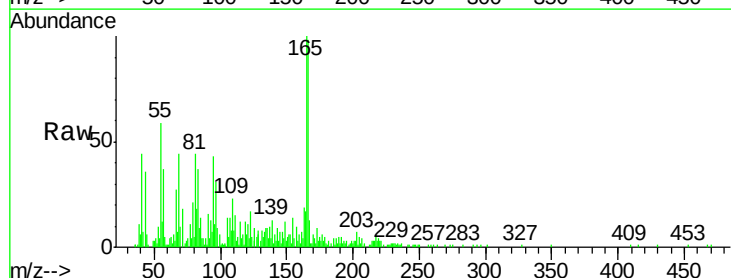
Tgt Ion:166 Resp: 36237

Ion Ratio Lower Upper

166 100

165 102.5 82.6 124.0

167 13.8 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

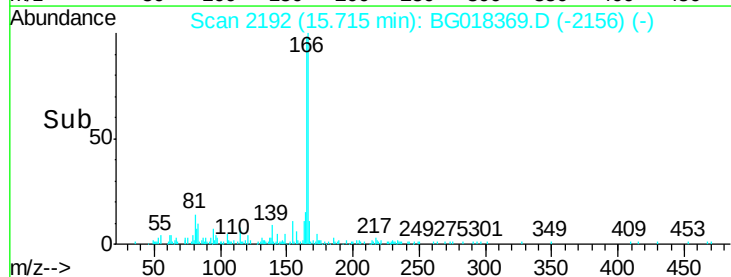
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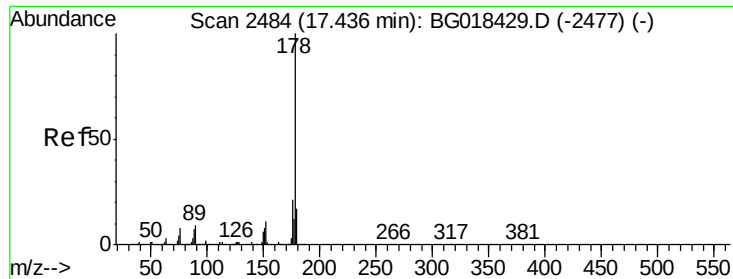
20000

10000

0

Time--> 15.65 15.70 15.75





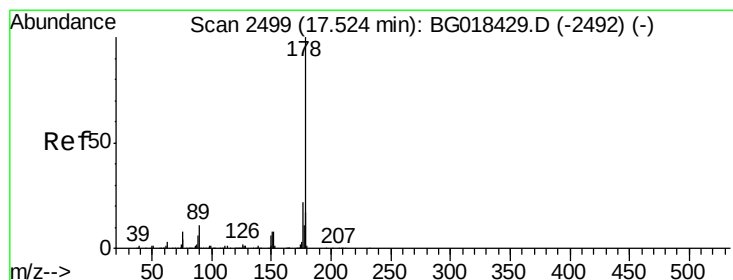
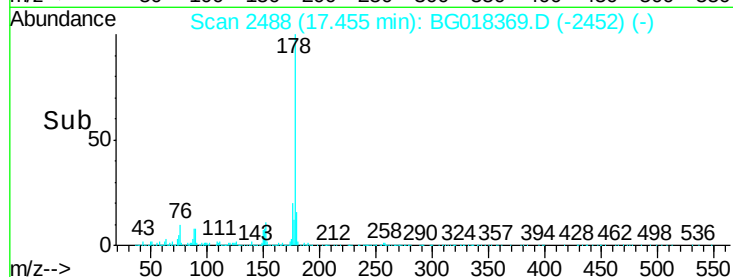
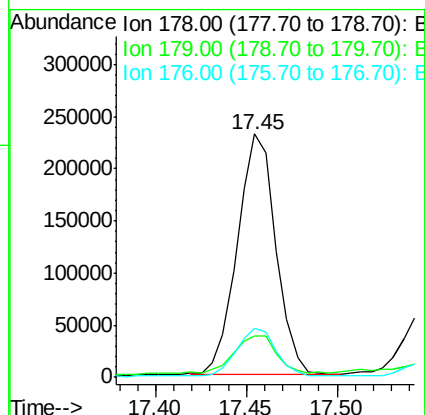
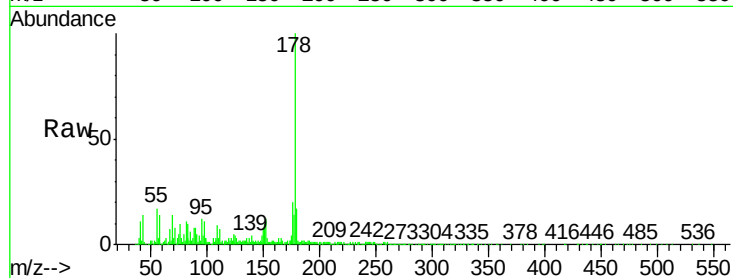
#70
Phenanthrene
Concen: 10.17 ng/ul
RT: 17.45 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Instrument :
BNA_G
ClientSampleId :
C01W6

Tgt Ion:	178	Resp:	341259
Ion Ratio	Lower	Upper	
178	100		
179	17.1	13.7	20.5
176	20.4	16.6	24.8

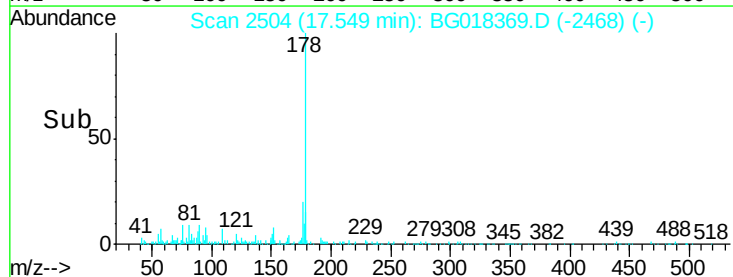
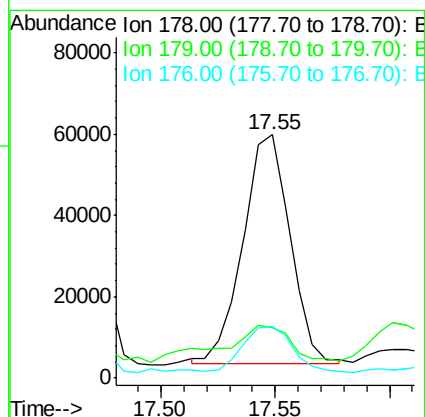
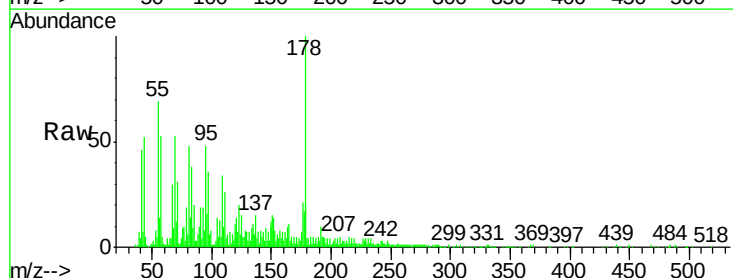
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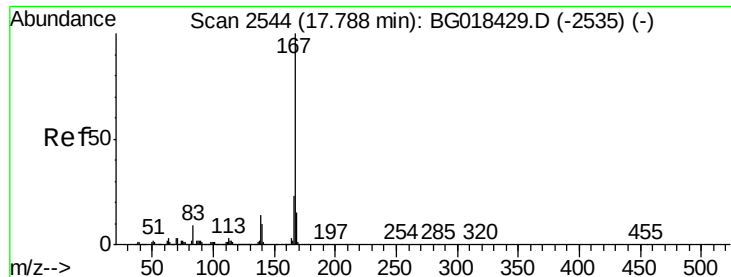
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#72
Anthracene
Concen: 2.36 ng/ul m
RT: 17.55 min Scan# 2504
Delta R.T. 0.01 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Tgt Ion:	178	Resp:	80703
Ion Ratio	Lower	Upper	
178	100		
179	20.4	13.0	19.4#
176	21.5	16.0	24.0





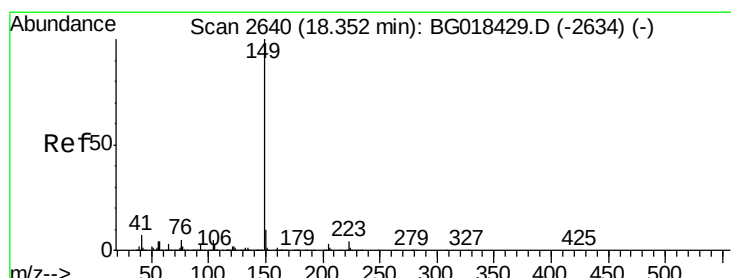
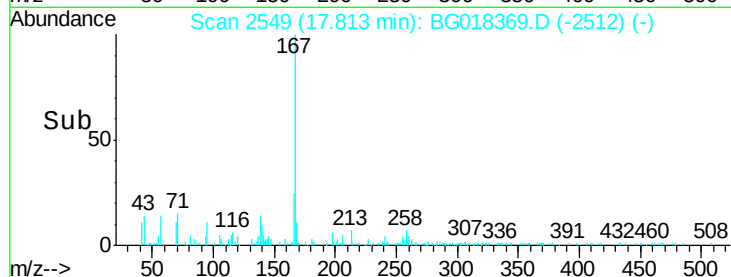
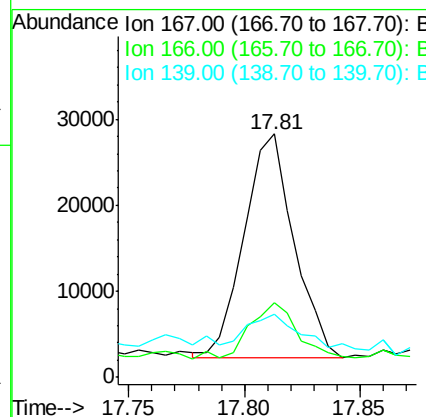
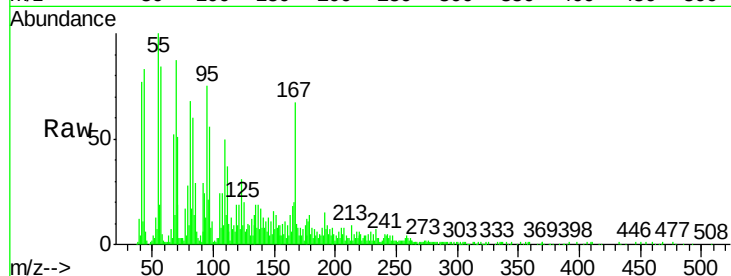
#75
 Carbazole
 Concen: 1.31 ng/ul
 RT: 17.81 min Scan# 2549
 Delta R.T. 0.02 min
 Lab File: BG018369.D
 Acq: 11 Aug 2015 00:44

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Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	30.7	18.9	28.3#
139	26.0	10.1	15.1#

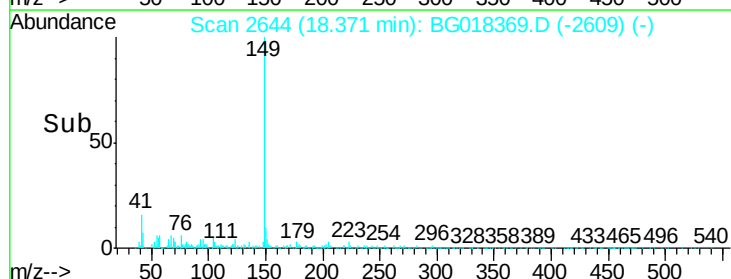
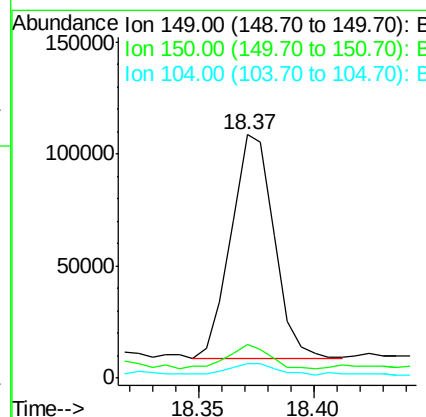
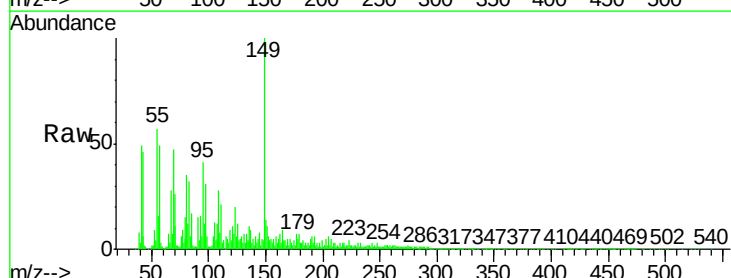
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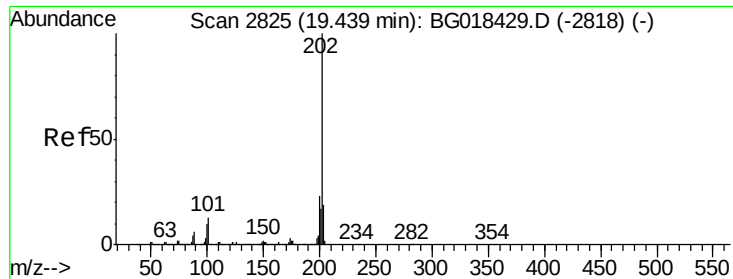
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#76
 Di-n-butylphthalate
 Concen: 3.32 ng/ul
 RT: 18.37 min Scan# 2644
 Delta R.T. 0.01 min
 Lab File: BG018369.D
 Acq: 11 Aug 2015 00:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	13.8	7.5	11.3#
104	6.2	4.3	6.5





#77

Fluoranthene

Concen: 21.62 ng/ul

RT: 19.46 min Scan# 2830

Delta R.T. 0.02 min

Lab File: BG018369.D

Acq: 11 Aug 2015 00:44

Instrument :

BNA_G

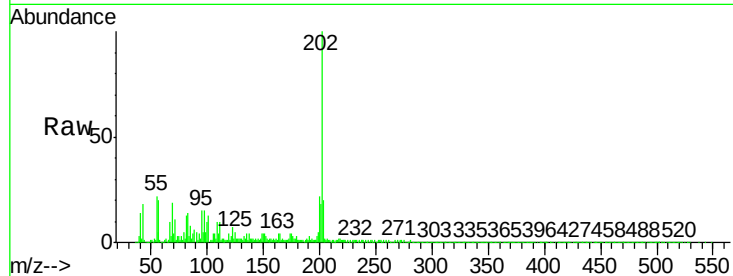
ClientSampleId :

C01W6

Tgt	Ion	202	Resp:	774777
Ion	Ratio	Lower	Upper	
202	100			
101	12.7	9.7	14.5	
100	10.0	7.8	11.8	

Manual Integrations
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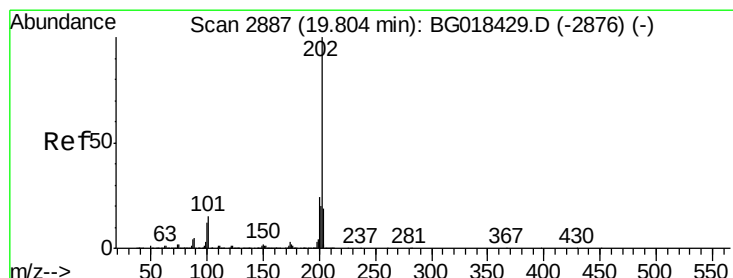
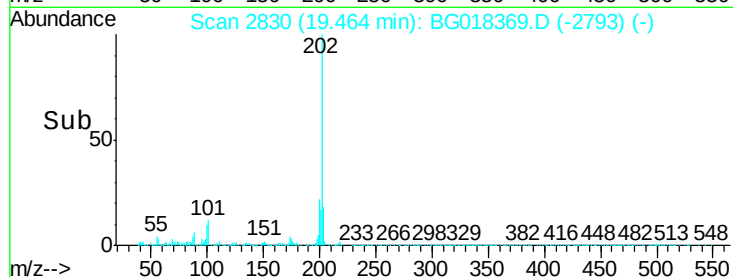
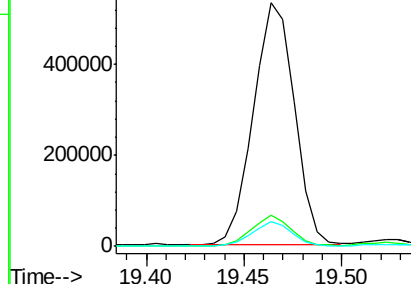
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 21.49 ng/ul

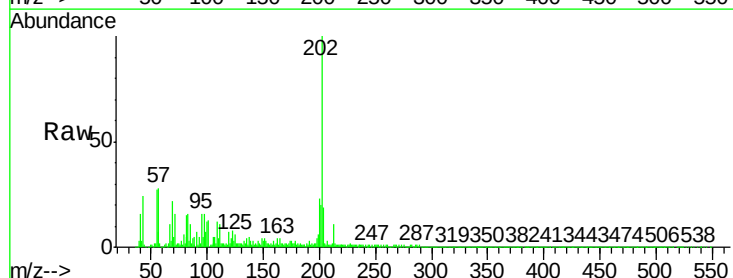
RT: 19.83 min Scan# 2892

Delta R.T. 0.02 min

Lab File: BG018369.D

Acq: 11 Aug 2015 00:44

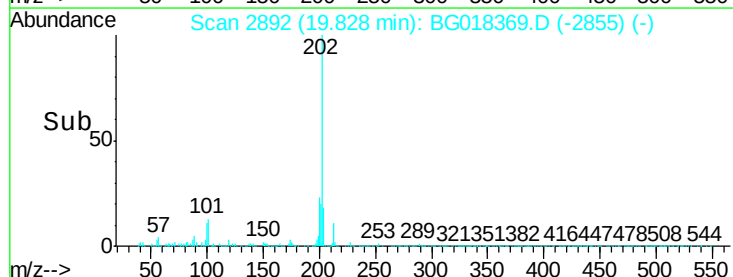
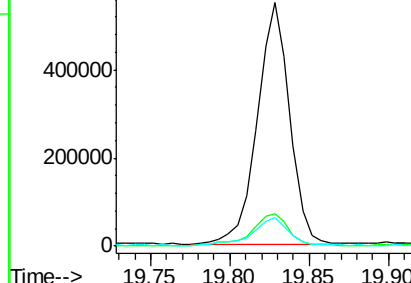
Tgt	Ion	202	Resp:	775317
Ion	Ratio	Lower	Upper	
202	100			
101	13.3	11.0	16.4	
100	11.6	9.8	14.6	

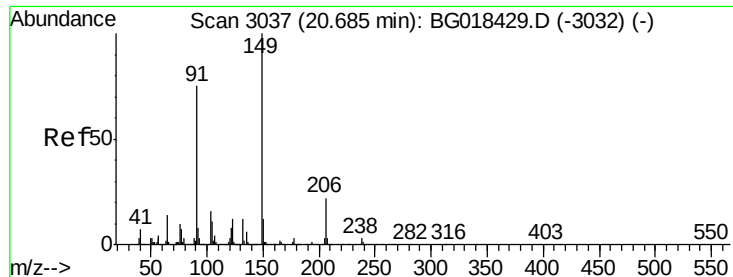


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Butylbenzylphthalate

Concen: 14.95 ng/ul

RT: 20.71 min Scan# 3042

Delta R.T. 0.01 min

Lab File: BG018369.D

Acq: 11 Aug 2015 00:44

Instrument :

BNA_G

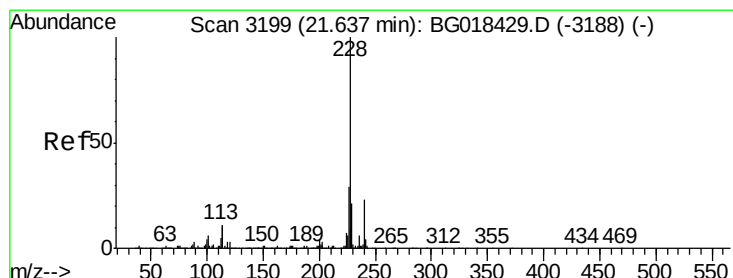
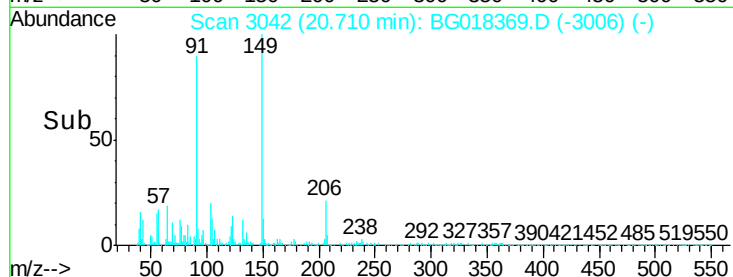
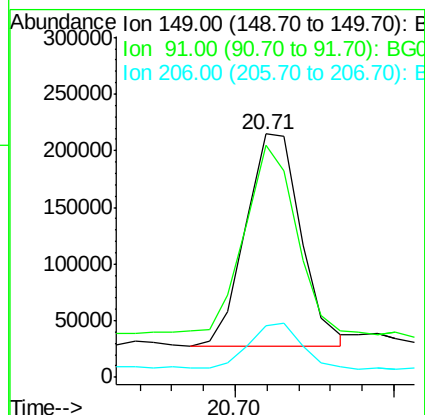
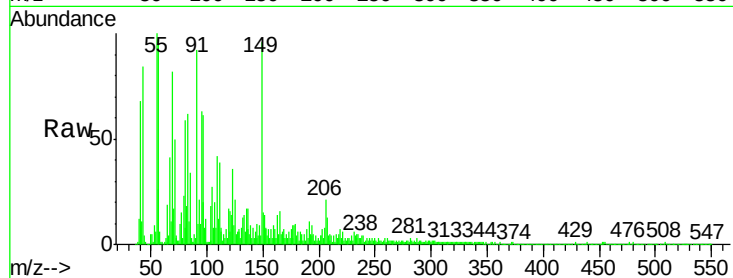
ClientSampleId :

C01W6

Tgt Ion:	149	Resp:	228064
Ion Ratio	Lower	Upper	
149	100		
91	95.5	57.9	86.9#
206	21.3	17.9	26.9

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#83

Benzo(a)anthracene

Concen: 12.83 ng/ul

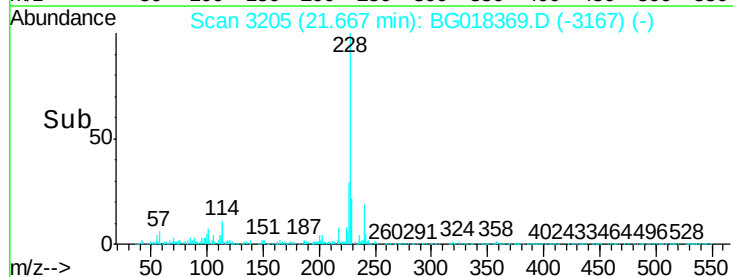
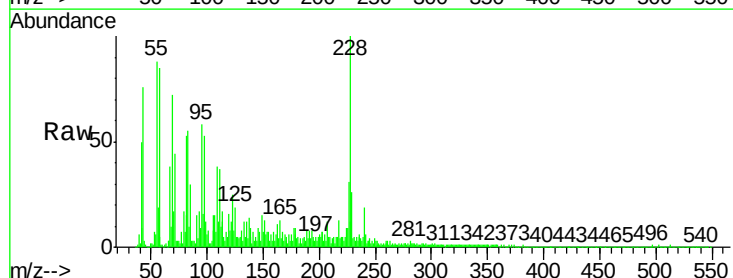
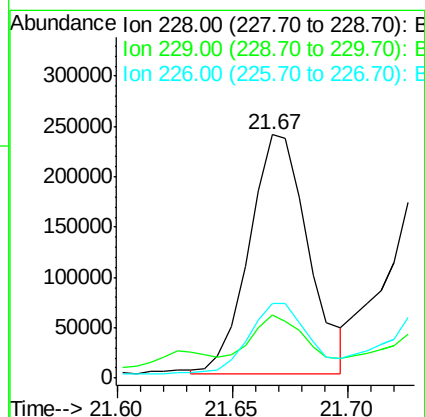
RT: 21.67 min Scan# 3205

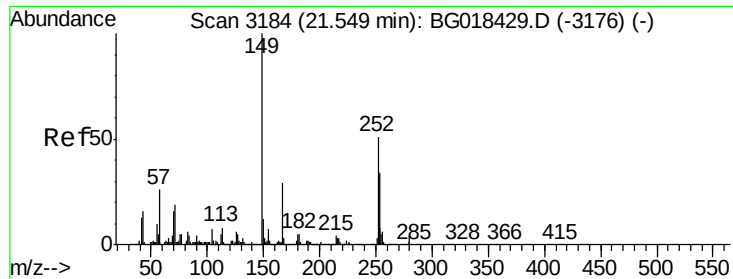
Delta R.T. 0.03 min

Lab File: BG018369.D

Acq: 11 Aug 2015 00:44

Tgt Ion:	228	Resp:	424213
Ion Ratio	Lower	Upper	
228	100		
229	26.2	15.5	23.3#
226	30.9	22.1	33.1





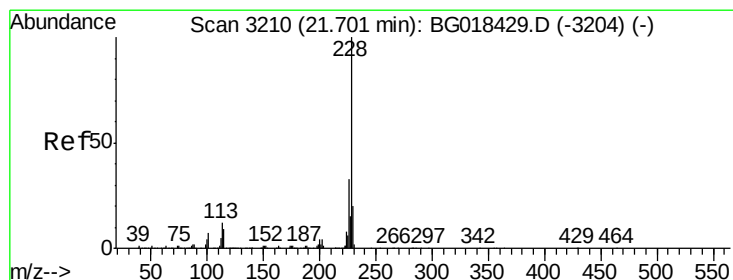
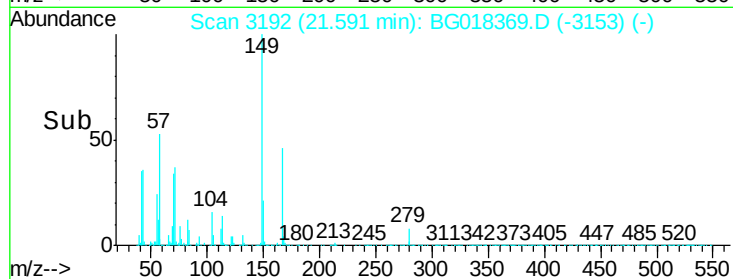
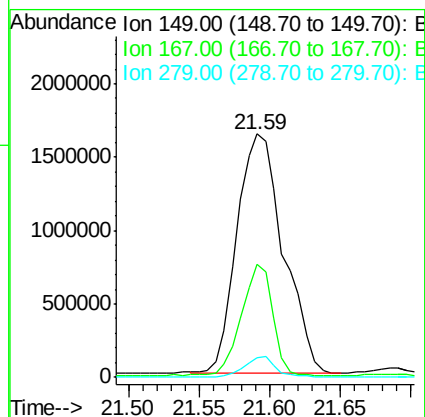
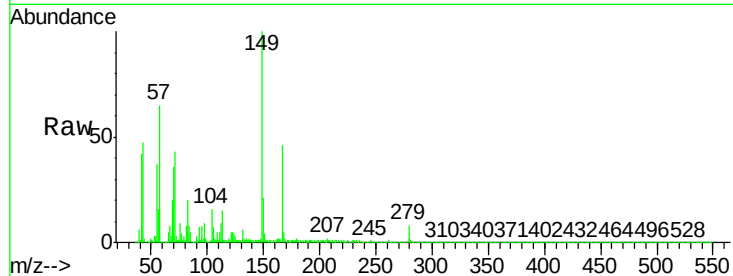
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 174.08 ng/ul
 RT: 21.59 min Scan# 3192
 Delta R.T. 0.03 min
 Lab File: BG018369.D
 Acq: 11 Aug 2015 00:44

Instrument :
 BNA_G
 ClientSampleId :
 C01W6

Tgt Ion:149 Resp: 3752683
 Ion Ratio Lower Upper
 149 100
 167 46.3 22.2 33.2#
 279 8.3 2.8 4.2#

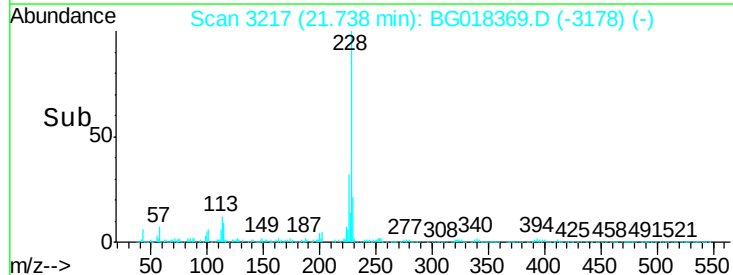
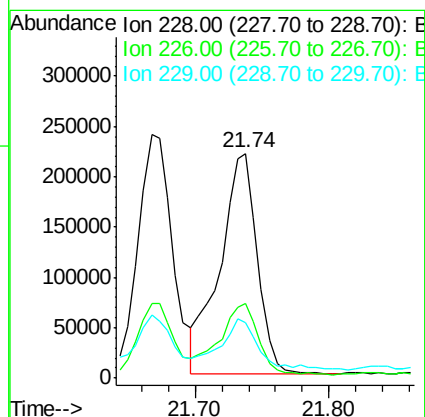
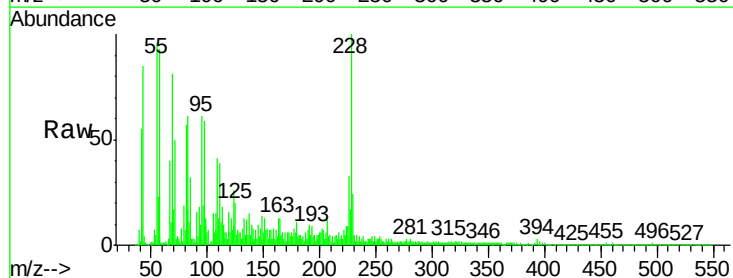
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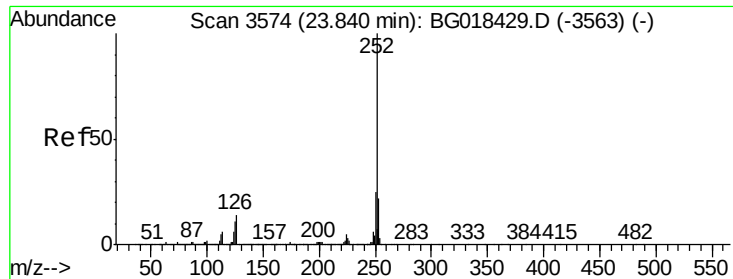
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#85
 Chrysene
 Concen: 13.93 ng/ul
 RT: 21.74 min Scan# 3217
 Delta R.T. 0.03 min
 Lab File: BG018369.D
 Acq: 11 Aug 2015 00:44

Tgt Ion:228 Resp: 430656
 Ion Ratio Lower Upper
 228 100
 226 33.4 26.5 39.7
 229 24.5 16.9 25.3





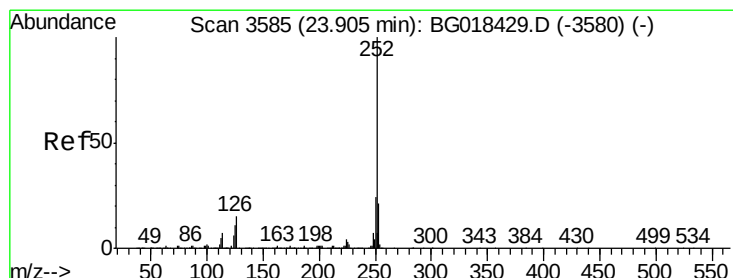
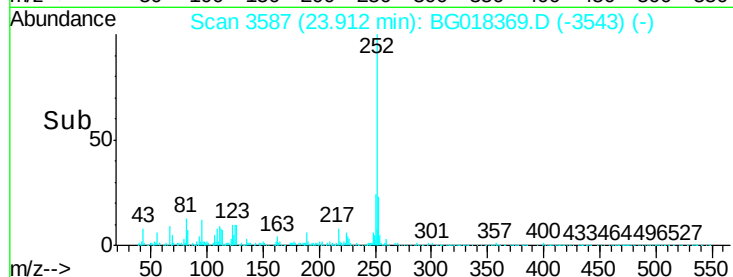
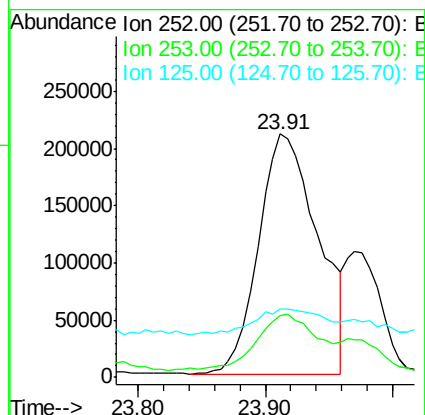
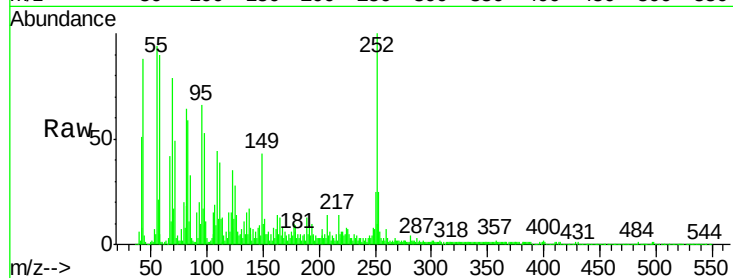
#88
Benzo(b)fluoranthene
Concen: 20.09 ng/ul
RT: 23.91 min Scan# 3587
Delta R.T. 0.06 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Instrument :
BNA_G
ClientSampled :
C01W6

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.3	18.1	27.1
125	28.2	8.3	12.5#

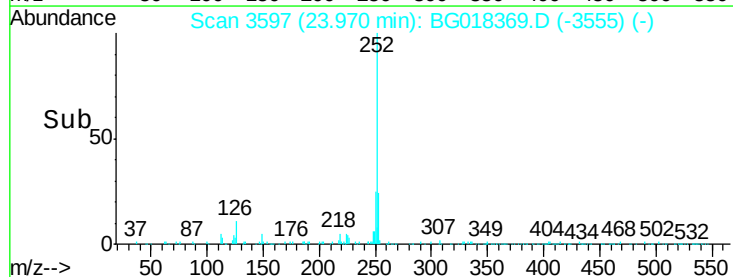
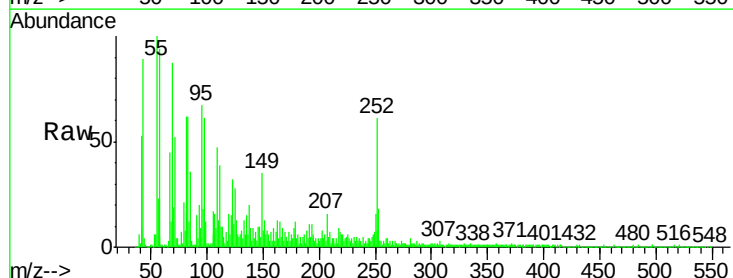
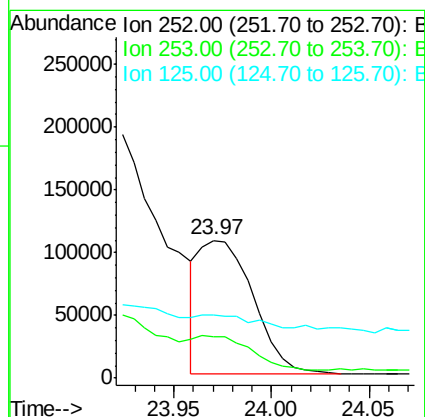
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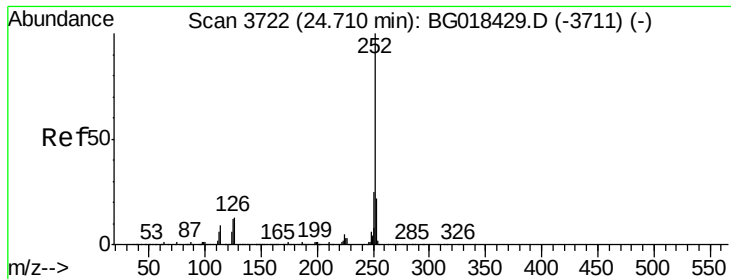
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#89
Benzo(k)fluoranthene
Concen: 6.22 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. 0.05 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	29.6	17.8	26.6#
125	45.9	9.0	13.4#





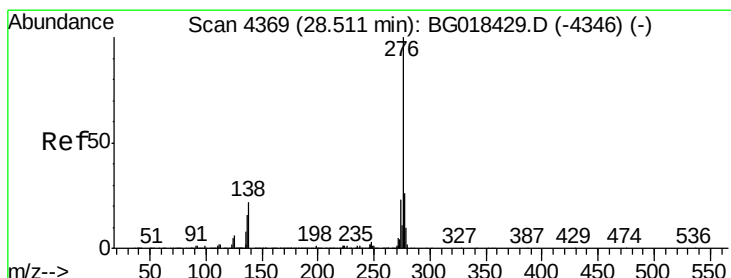
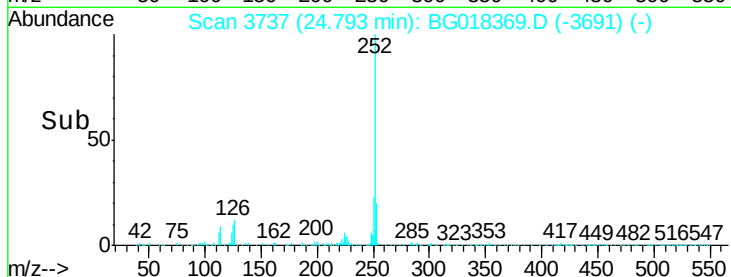
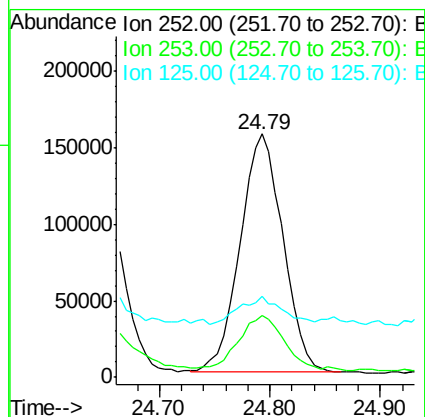
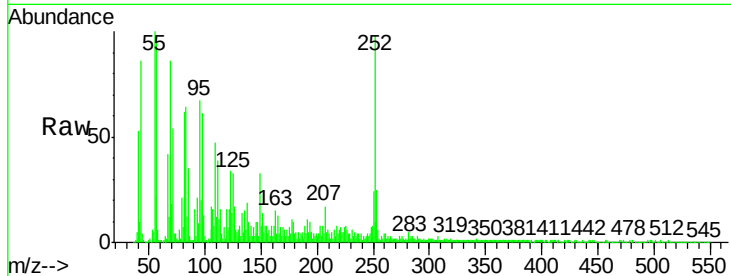
#91
Benzo(a)pyrene
Concen: 13.09 ng/ul
RT: 24.79 min Scan# 3737
Delta R.T. 0.07 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Instrument :
BNA_G
ClientSampleId :
C01W6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.4	17.7	26.5
125	33.0	10.2	15.2

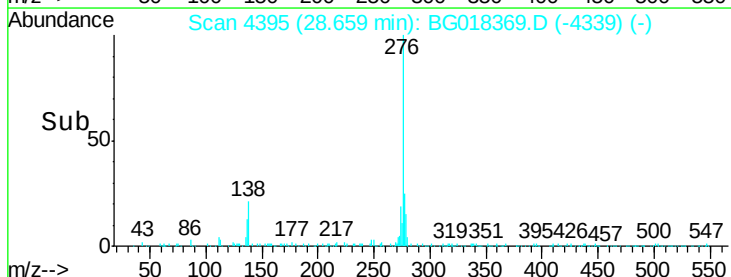
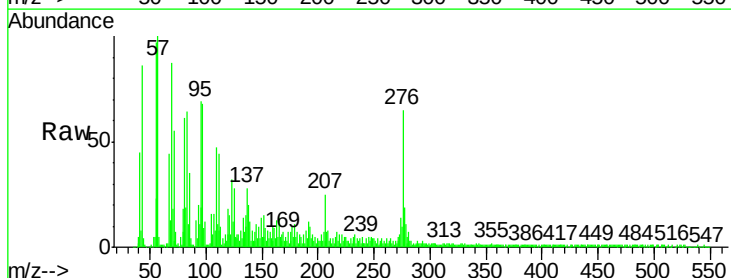
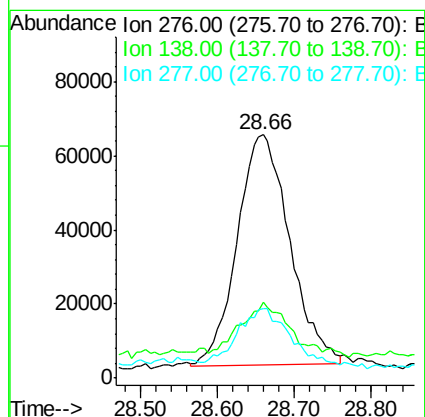
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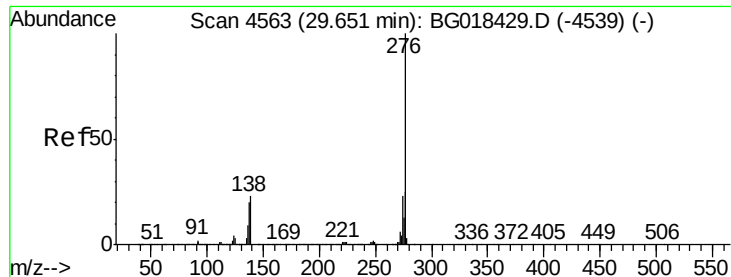
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#92
Indeno(1,2,3-cd)pyrene
Concen: 7.90 ng/ul
RT: 28.66 min Scan# 4395
Delta R.T. 0.13 min
Lab File: BG018369.D
Acq: 11 Aug 2015 00:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	31.4	15.8	23.6
277	28.7	18.9	28.3





#94

Benzo(g,h,i)perylene

Concen: 9.31 ng/ul m

RT: 29.81 min Scan# 4591

Delta R.T. 0.13 min

Lab File: BG018369.D

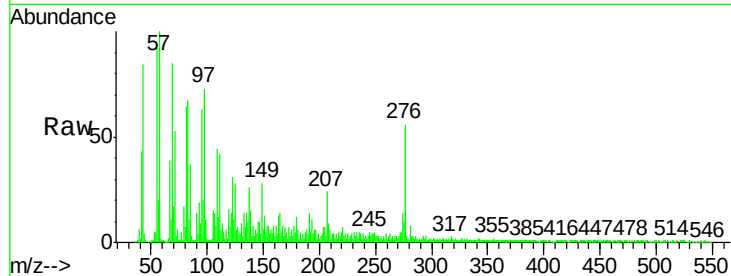
Acq: 11 Aug 2015 00:44

Instrument :

BNA_G

ClientSampleId :

C01W6



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	27.0	16.5	24.7#	
277	26.4	19.0	28.6	

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