

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081115\
 Data File : BG018383.D
 Acq On : 11 Aug 2015 16:08
 Operator : UM/MA
 Sample : G3109-12DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8DL

Manual Integrations
 APPROVED

MMDadoda
 8/12/2015 3:52:59 PM

Quant Time: Aug 14 03:09:20 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	119753	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	543310	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	330391	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	688769	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	573667	20.00	ng/ul	0.00
86) Perylene-d12	24.93	264	580236	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	7.20	99	15010	1.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	9589	1.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	12116	1.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	12161	1.33	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	6513	1.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	5821	1.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	7933	0.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.97	131	9683	0.94	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	46494	1.67	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	59326	1.69	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	4586	0.92	ng/ul	0.00
58) Fluorene-d10	15.65	176	41900	1.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.51	188	57364	1.74	ng/ul	0.00
79) Pyrene-d10	19.79	212	55773	1.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.70	264	53531	1.74	ng/ul	0.02

Target Compounds

						Qvalue
24) 2,4-Dimethylphenol	10.02	107	23270	2.17	ng/ul	92
28) Naphthalene	10.90	128	66575	2.32	ng/ul	98
34) 2-Methylnaphthalene	12.50	142	31861	1.53	ng/ul	81
45) Dimethylphthalate	14.11	163	31924	1.16	ng/ul#	97
50) Acenaphthene	14.73	153	43159	1.75	ng/ul	98
54) Dibenzofuran	15.06	168	38511	1.20	ng/ul	96
59) Fluorene	15.71	166	48057	1.74	ng/ul	97
70) Phenanthrene	17.46	178	307894	8.24	ng/ul	99
72) Anthracene	17.54	178	80314	2.11	ng/ul	95
75) Carbazole	17.81	167	34568	1.04	ng/ul#	80
77) Fluoranthene	19.46	202	383995	9.62	ng/ul	100
80) Pyrene	19.82	202	339754	8.76	ng/ul	99
83) Benzo(a)anthracene	21.66	228	137966	3.88	ng/ul#	92
84) Bis(2-ethylhexyl)phthalate	21.57	149	1362631	58.78	ng/ul	95
85) Chrysene	21.73	228	127217	3.83	ng/ul	99
88) Benzo(b)fluoranthene	23.90	252	156255	4.29	ng/ul#	44
89) Benzo(k)fluoranthene	23.95	252	55157m	1.57	ng/ul	
91) Benzo(a)pyrene	24.77	252	112496	3.25	ng/ul#	44
92) Indeno(1,2,3-cd)pyrene	28.61	276	61194	1.53	ng/ul#	62
94) Benzo(g,h,i)perylene	29.76	276	48100m	1.43	ng/ul	

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

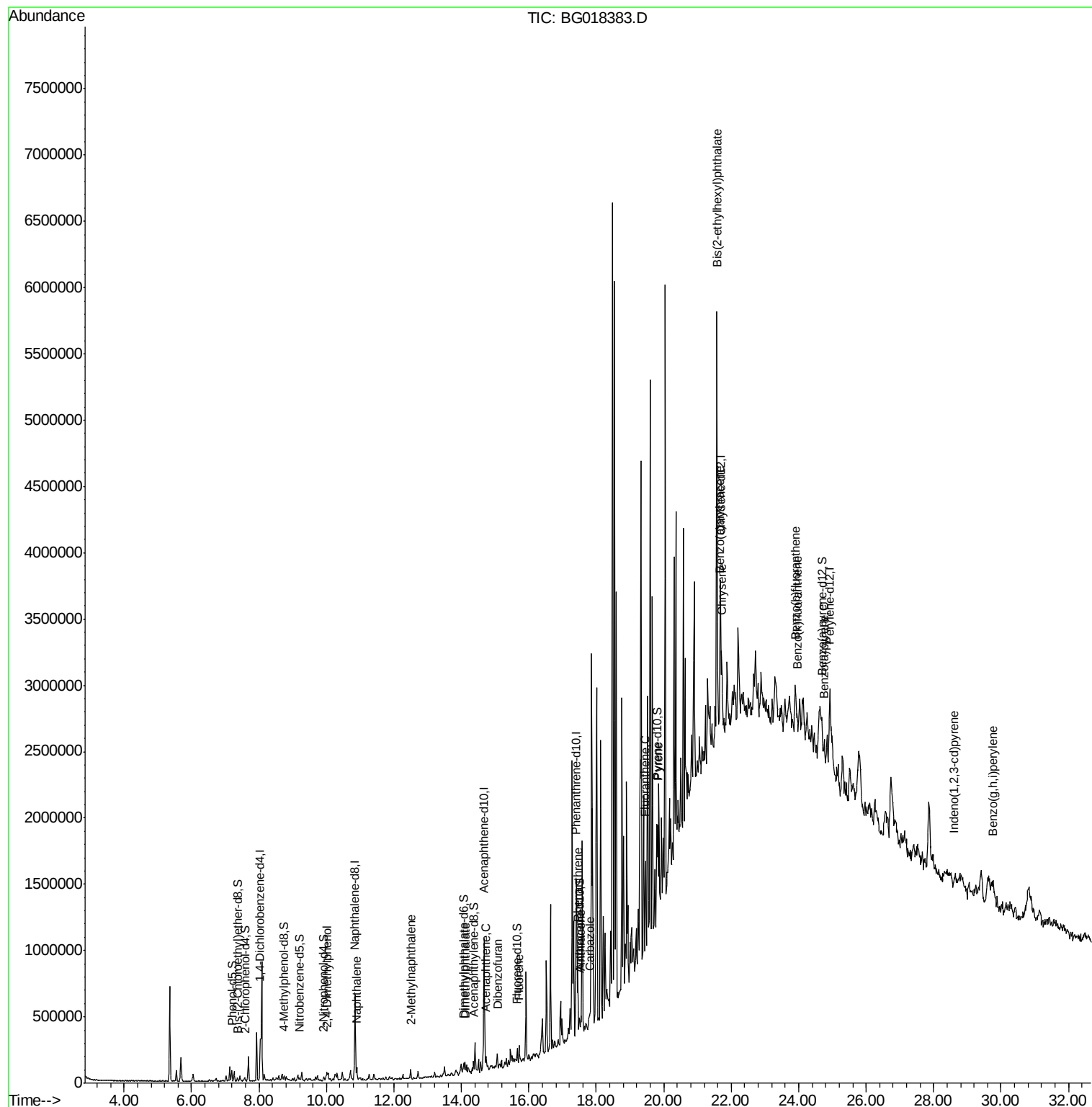
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081115\
Data File : BG018383.D
Acq On : 11 Aug 2015 16:08
Operator : UM/MA
Sample : G3109-12DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

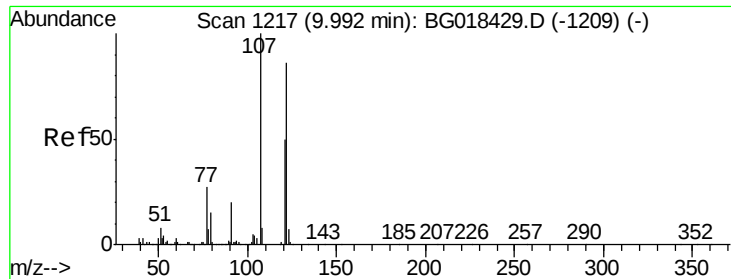
Instrument :
BNA_G
ClientSampled :
C01P8DL

Manual Integrations
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Quant Time: Aug 14 03:09:20 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
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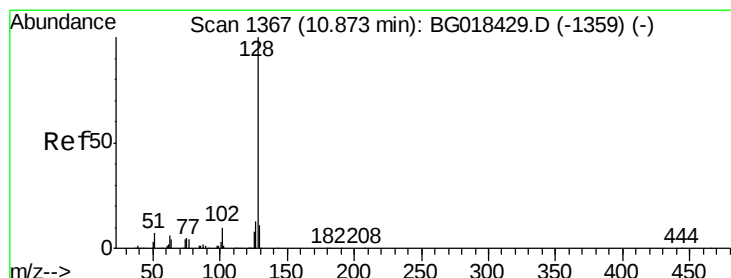
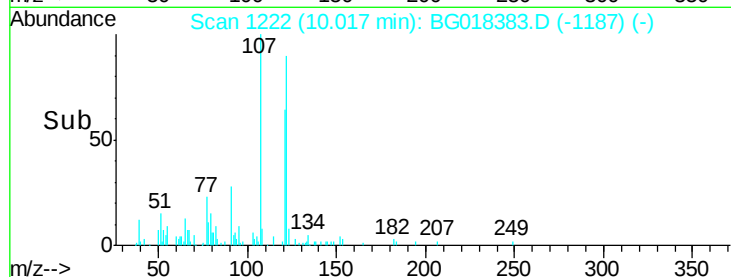
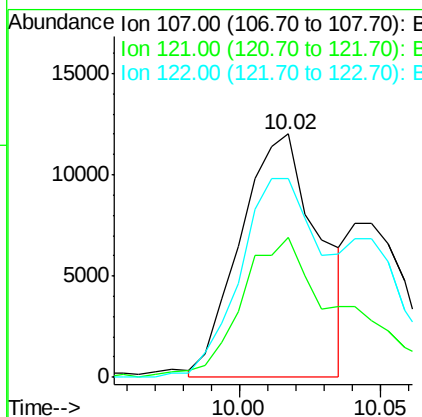
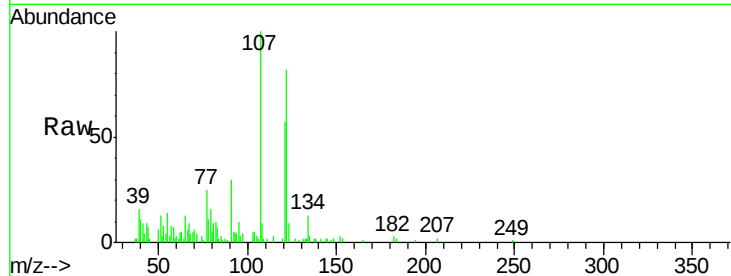
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2,4-Dimethylphenol
Concen: 2.17 ng/ul
RT: 10.02 min Scan# 1222
Delta R.T. 0.01 min
Lab File: BG018383.D
Acq: 11 Aug 2015 16:08

Instrument :
BNA_G
ClientSampleId :
C01P8DL

Tgt Ion	Ratio	Lower	Upper
107	100		
121	57.4	41.3	61.9
122	81.9	71.9	107.9

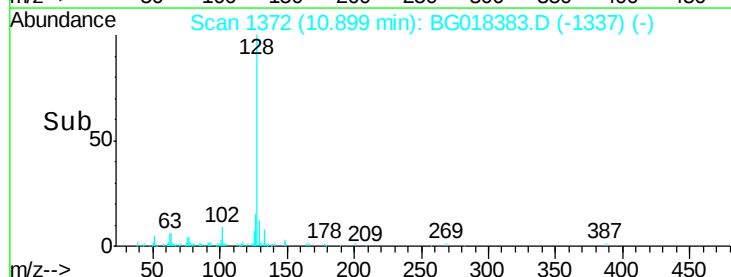
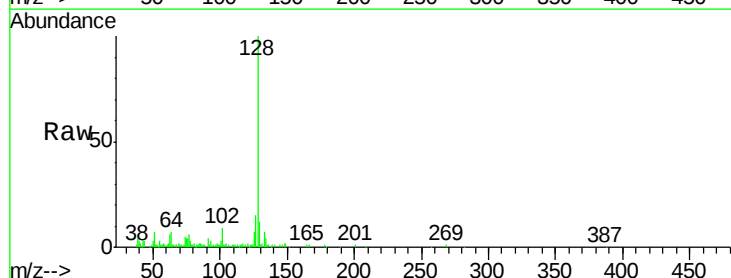
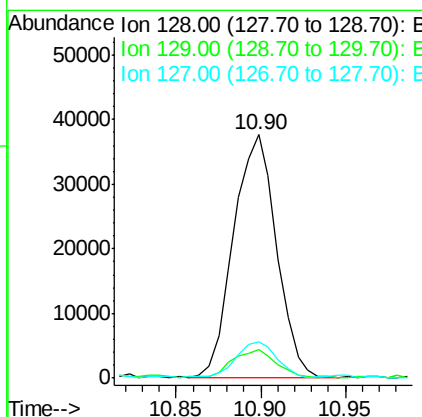
Manual Integrations
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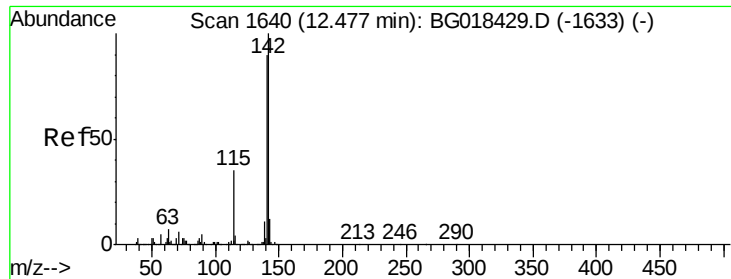
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#28
Naphthalene
Concen: 2.32 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018383.D
Acq: 11 Aug 2015 16:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	14.8	10.5	15.7





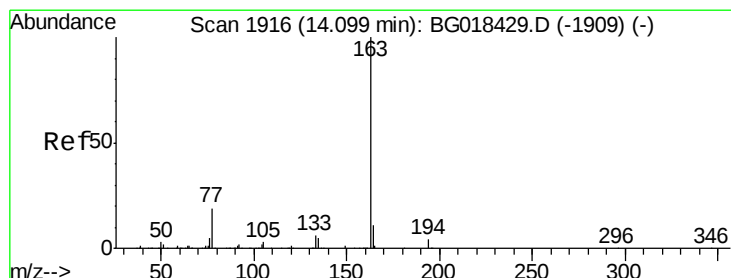
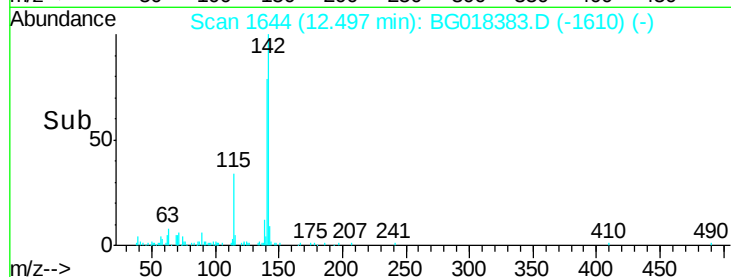
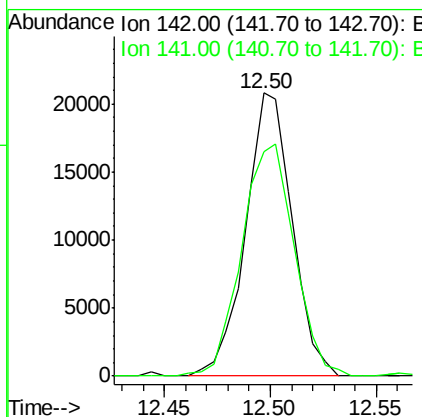
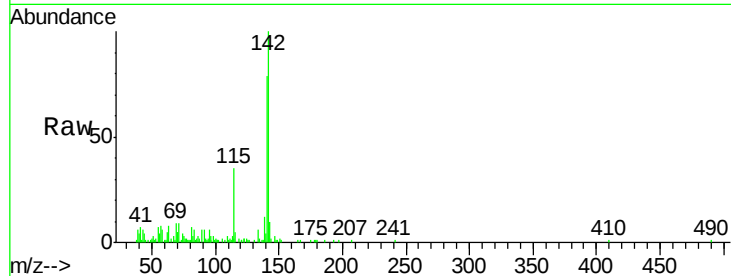
#34
 2-Methylnaphthalene
 Concen: 1.53 ng/ul
 RT: 12.50 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BG018383.D
 Acq: 11 Aug 2015 16:08

Instrument :
 BNA_G
 ClientSampleId :
 C01P8DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.2	78.0	117.0

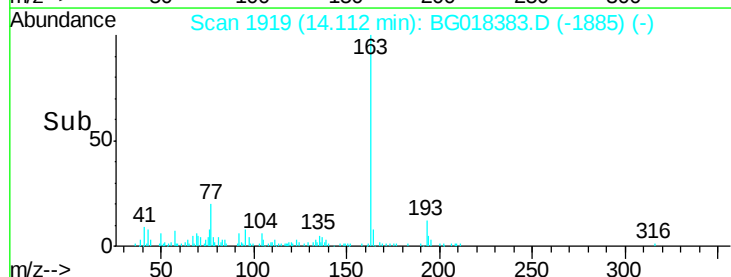
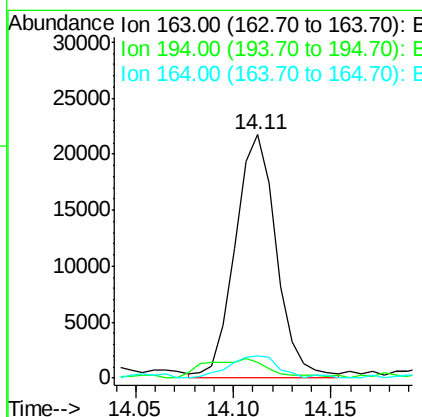
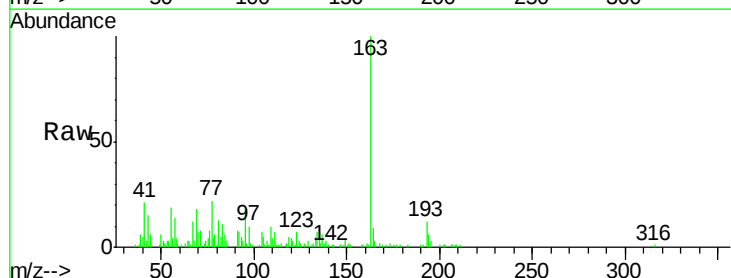
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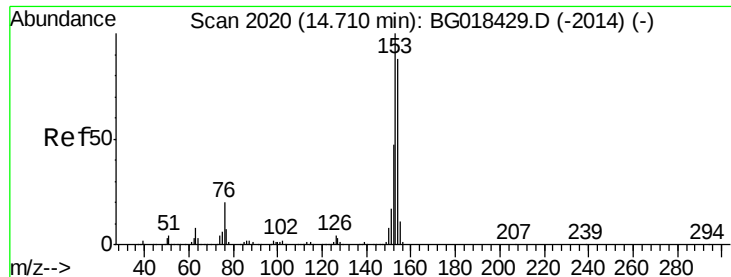
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#45
 Dimethylphthalate
 Concen: 1.16 ng/ul
 RT: 14.11 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: BG018383.D
 Acq: 11 Aug 2015 16:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.3	2.9	4.3#
164	9.2	7.7	11.5





#50

Acenaphthene

Concen: 1.75 ng/ul

RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08

Instrument :

BNA_G

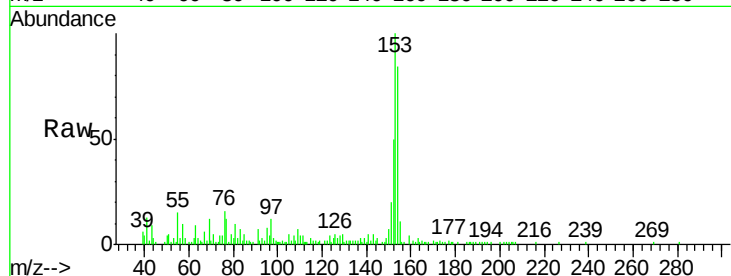
ClientSampleId :

C01P8DL

Tgt Ion:	153	Resp:	43159
Ion Ratio	Lower	Upper	
153	100		
152	49.7	38.2	57.4
154	84.2	68.6	103.0

Manual Integrations
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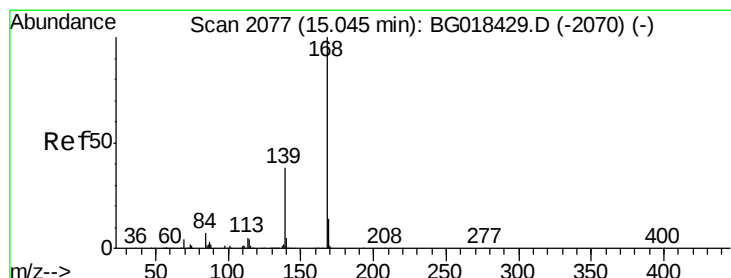
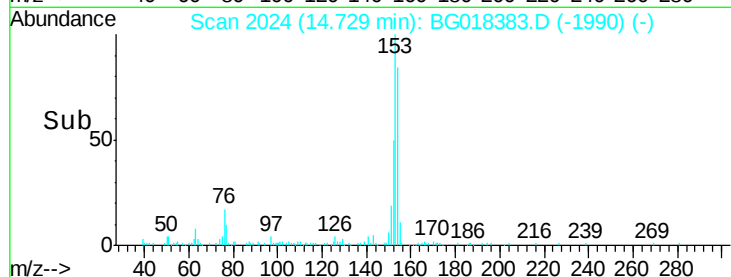
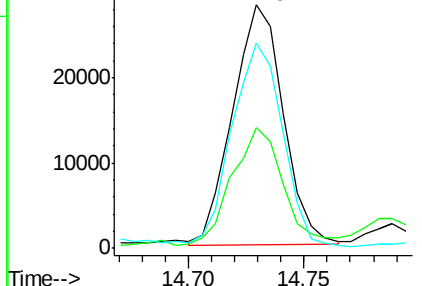
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.20 ng/ul

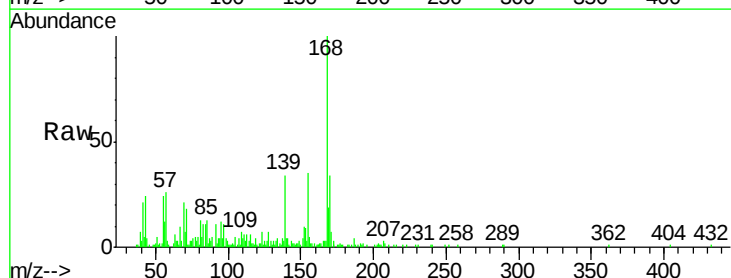
RT: 15.06 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BG018383.D

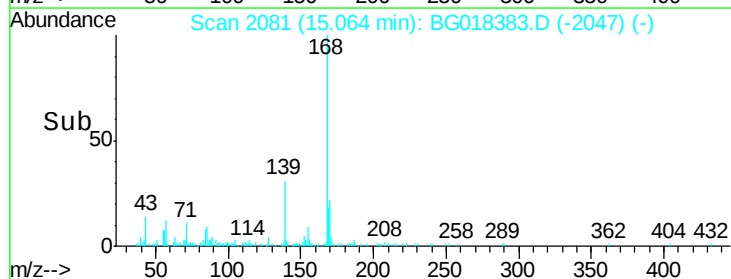
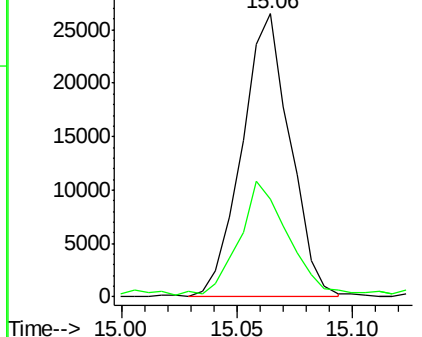
Acq: 11 Aug 2015 16:08

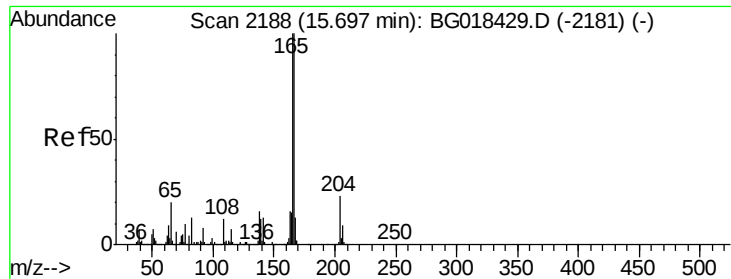
Tgt Ion:	168	Resp:	38511
Ion Ratio	Lower	Upper	
168	100		
139	34.5	29.7	44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





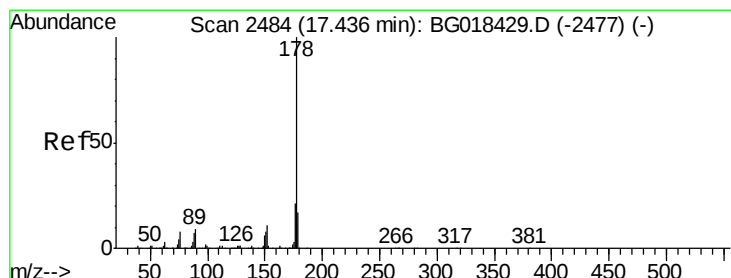
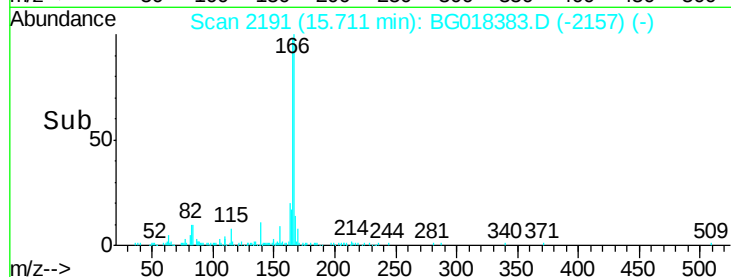
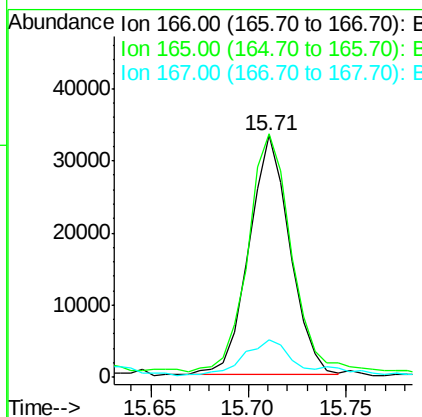
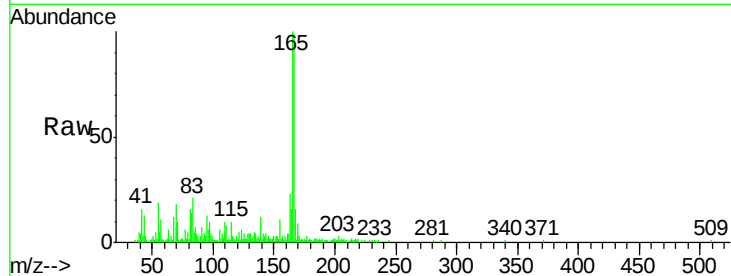
#59
Fluorene
 Concen: 1.74 ng/ul
 RT: 15.71 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: BG018383.D
 Acq: 11 Aug 2015 16:08

Instrument :
 BNA_G
 ClientSampleId :
 C01P8DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	48057		
165	100.6		82.6	124.0
167	15.6		11.4	17.0

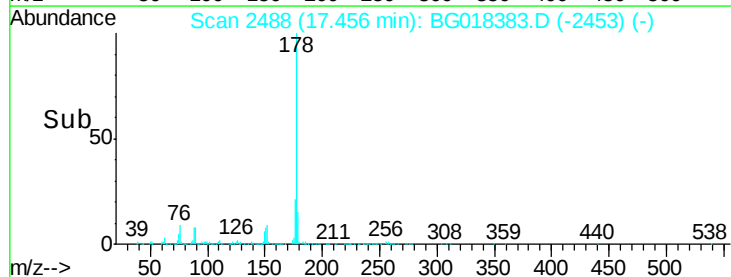
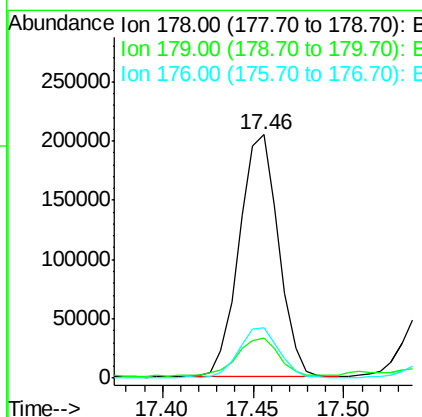
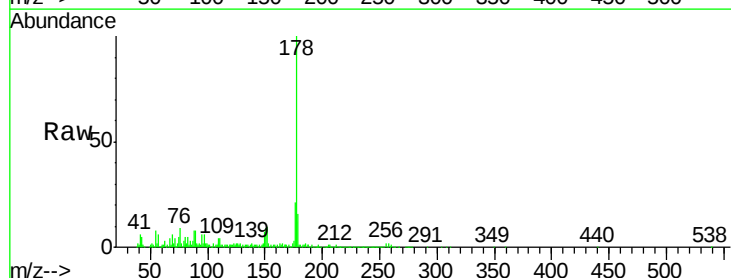
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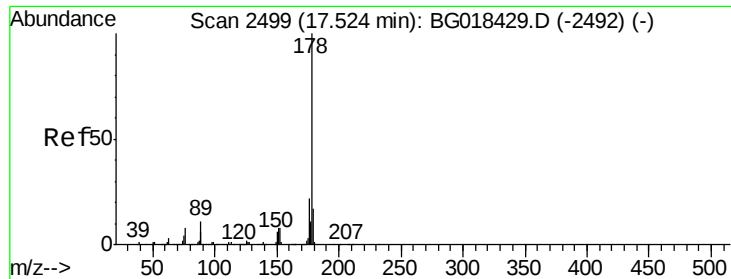
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#70
Phenanthrene
 Concen: 8.24 ng/ul
 RT: 17.46 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BG018383.D
 Acq: 11 Aug 2015 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	307894		
179	16.3		13.7	20.5
176	20.8		16.6	24.8





#72

Anthracene

Concen: 2.11 ng/ul

RT: 17.54 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08

Instrument :

BNA_G

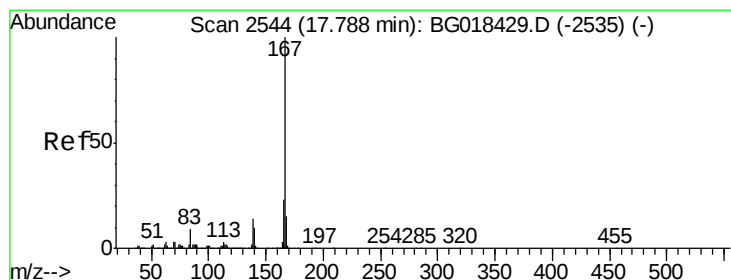
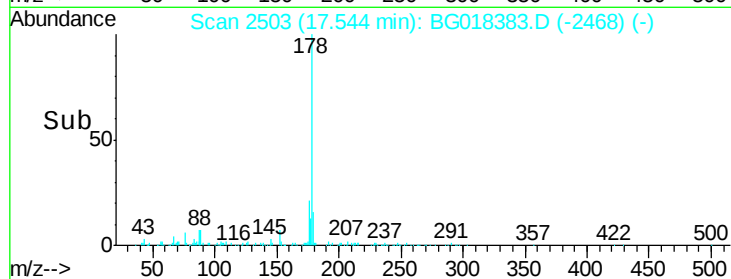
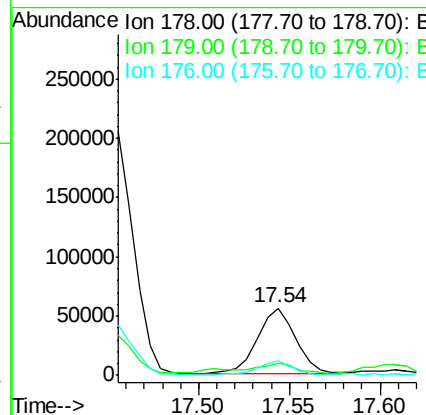
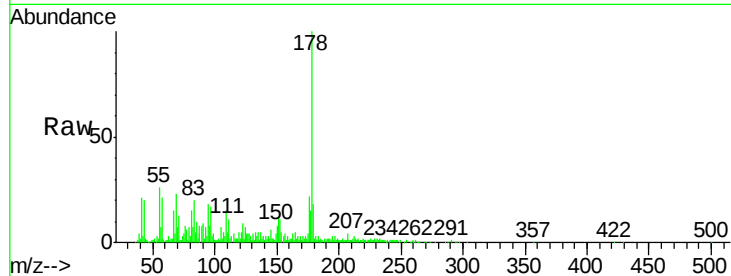
ClientSampleId :

C01P8DL

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Tgt Ion:	178	Resp:	80314
Ion Ratio	Lower	Upper	
178	100		
179	18.5	13.0	19.4
176	22.1	16.0	24.0



#75

Carbazole

Concen: 1.04 ng/ul

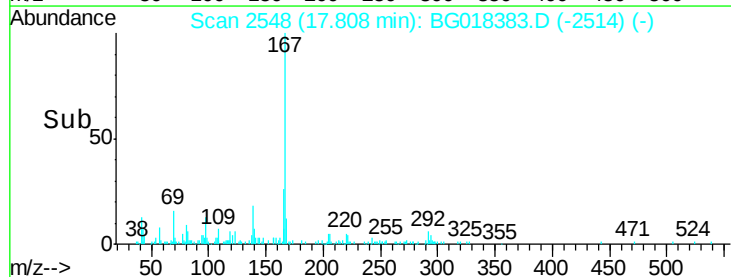
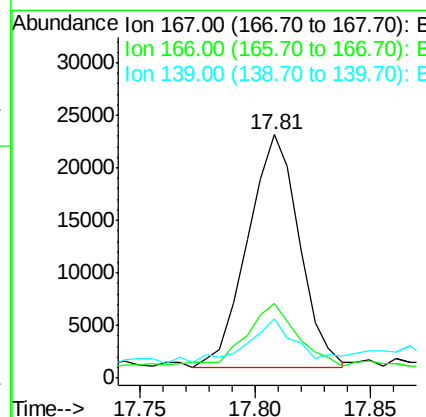
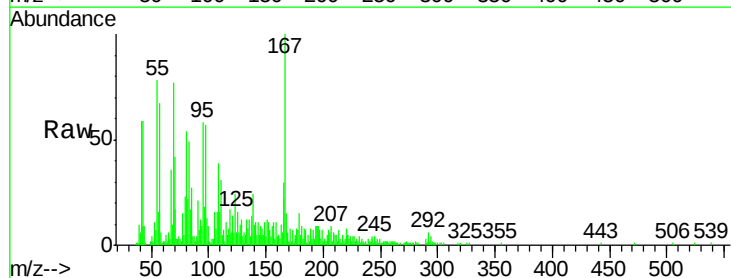
RT: 17.81 min Scan# 2548

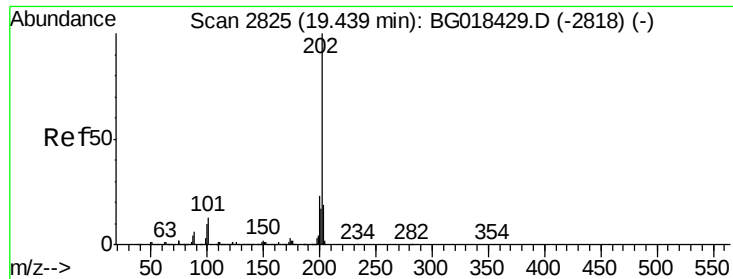
Delta R.T. 0.00 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08

Tgt Ion:	167	Resp:	34568
Ion Ratio	Lower	Upper	
167	100		
166	30.4	18.9	28.3#
139	24.4	10.1	15.1#





#77

Fluoranthene

Concen: 9.62 ng/ul

RT: 19.46 min Scan# 2829

Delta R.T. 0.01 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08

Instrument :

BNA_G

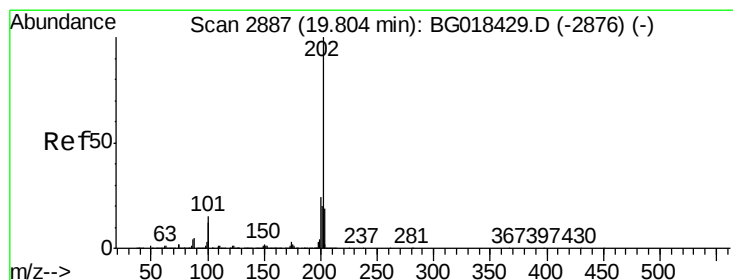
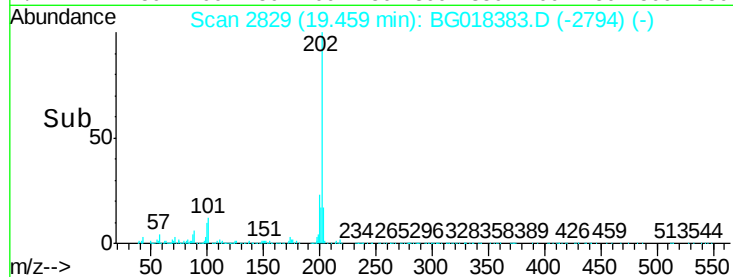
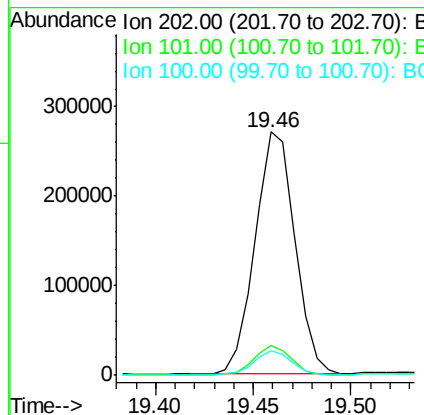
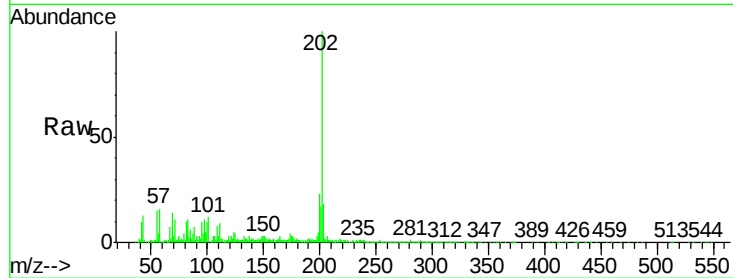
ClientSampleId :

C01P8DL

Tgt	Ion	202	Resp:	383995
Ion	Ratio	Lower	Upper	
202	100			
101	12.3	9.7	14.5	
100	10.0	7.8	11.8	

Manual Integrations
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#80

Pyrene

Concen: 8.76 ng/ul

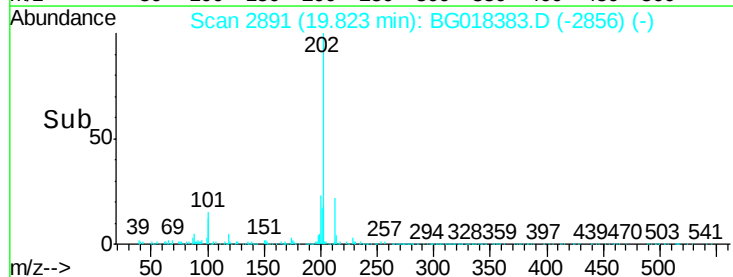
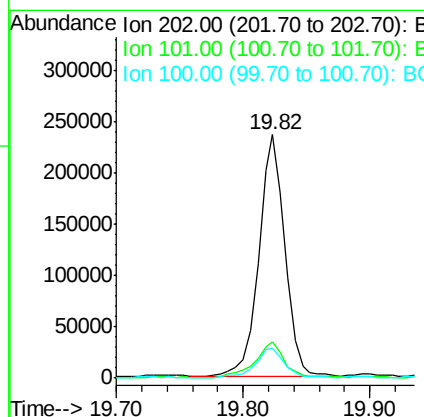
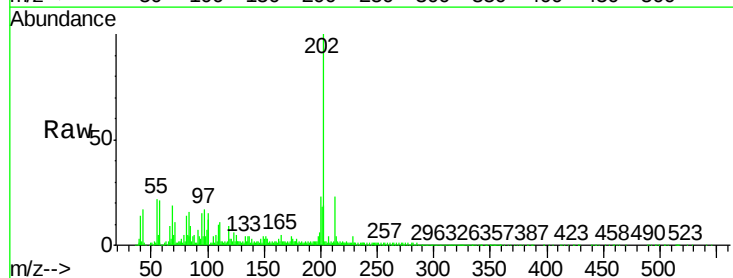
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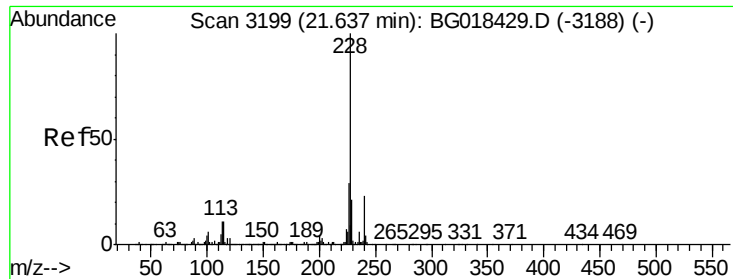
Delta R.T. 0.01 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08

Tgt	Ion	202	Resp:	339754
Ion	Ratio	Lower	Upper	
202	100			
101	14.7	11.0	16.4	
100	12.2	9.8	14.6	





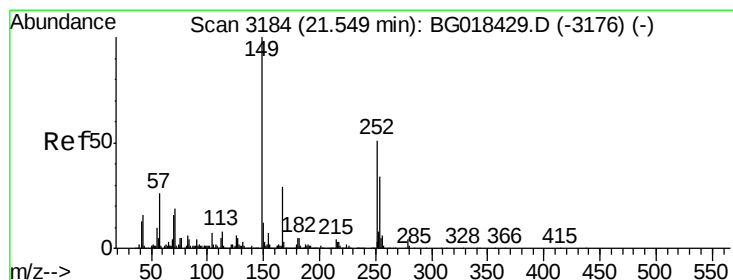
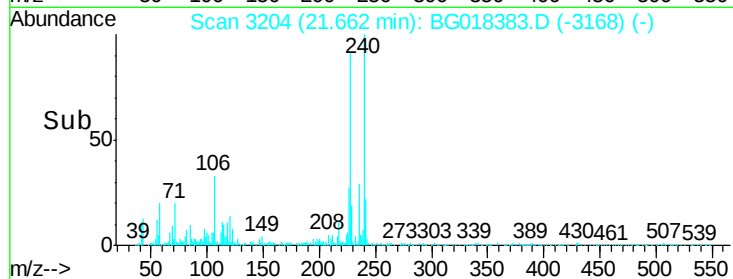
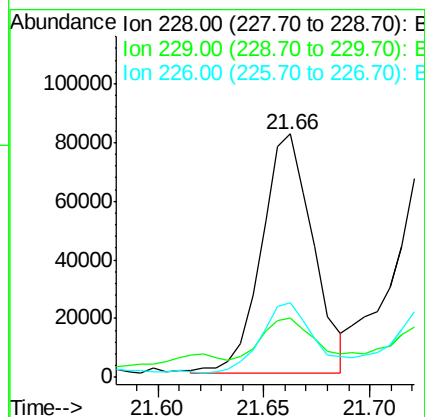
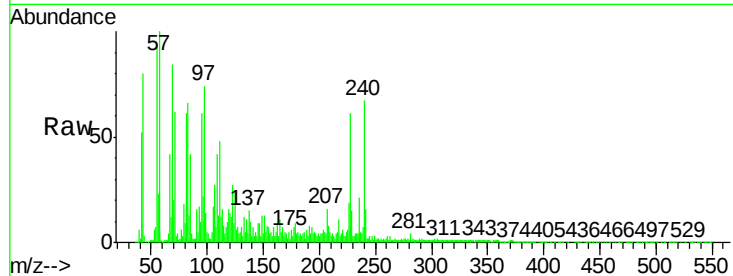
#83
Benzo(a)anthracene
Concen: 3.88 ng/ul
RT: 21.66 min Scan# 3204
Delta R.T. 0.01 min
Lab File: BG018383.D
Acq: 11 Aug 2015 16:08

Instrument :
BNA_G
ClientSampleId :
C01P8DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.1	15.5	23.3
226	30.8	22.1	33.1

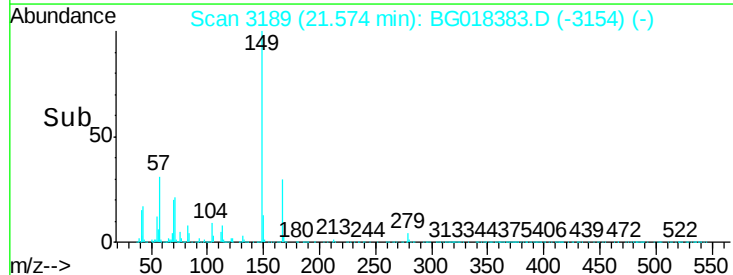
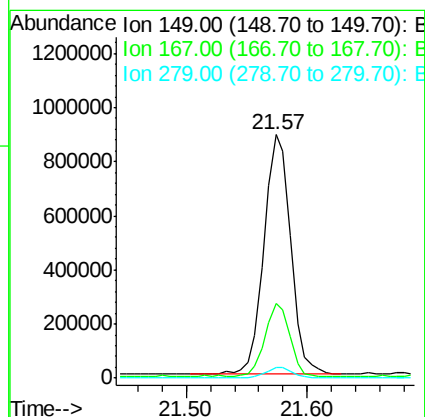
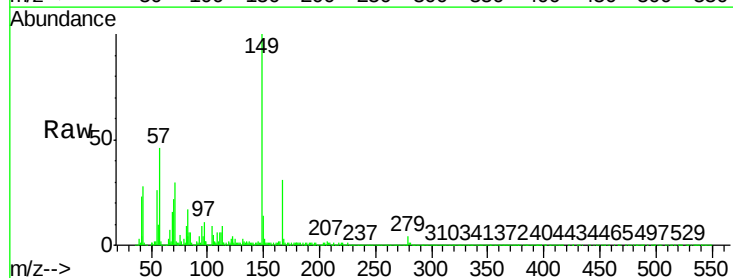
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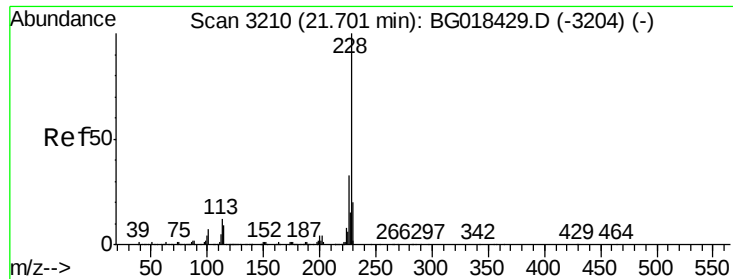
MMDadoda
8/12/2015 3:52:59 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 58.78 ng/ul
RT: 21.57 min Scan# 3189
Delta R.T. 0.01 min
Lab File: BG018383.D
Acq: 11 Aug 2015 16:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.7	22.2	33.2
279	4.2	2.8	4.2





#85

Chrysene

Concen: 3.83 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. 0.01 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08

Instrument :

BNA_G

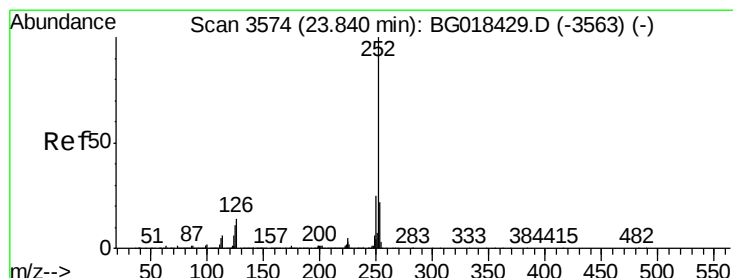
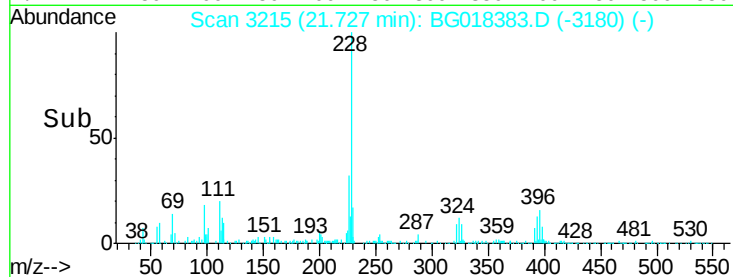
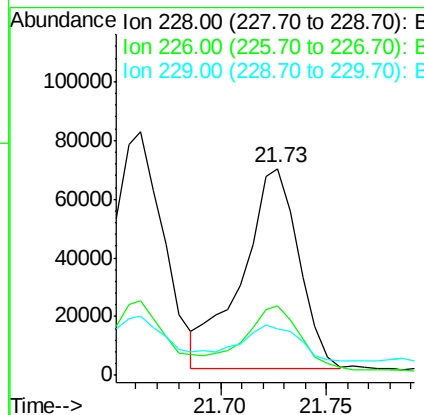
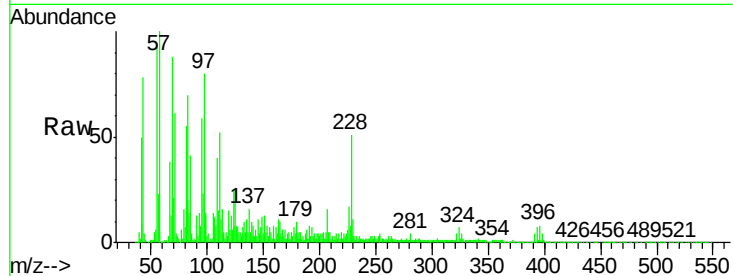
ClientSampleId :

C01P8DL

Tgt Ion:	228	Resp:	127217
Ion Ratio	Lower	Upper	
228	100		
226	33.5	26.5	39.7
229	22.4	16.9	25.3

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 4.29 ng/ul

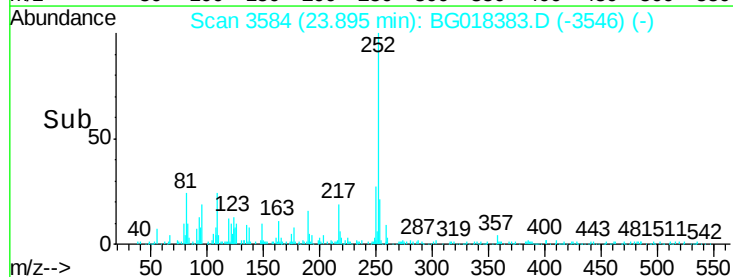
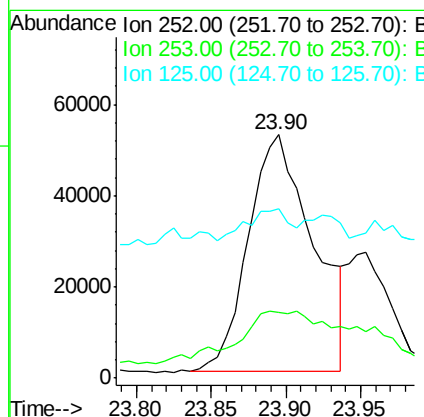
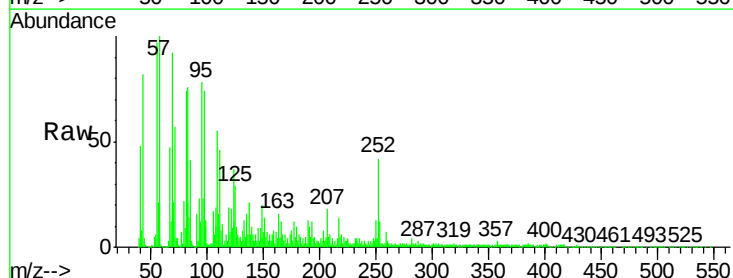
RT: 23.90 min Scan# 3584

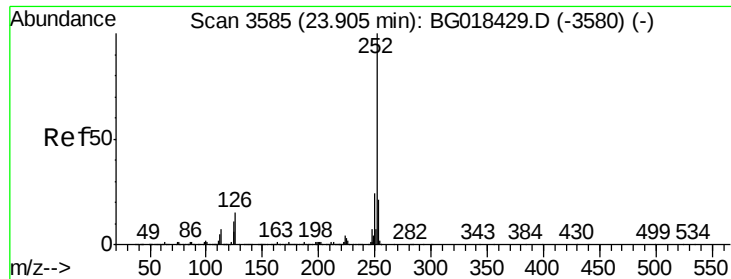
Delta R.T. 0.02 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08

Tgt Ion:	252	Resp:	156255
Ion Ratio	Lower	Upper	
252	100		
253	27.2	18.1	27.1#
125	69.5	8.3	12.5#





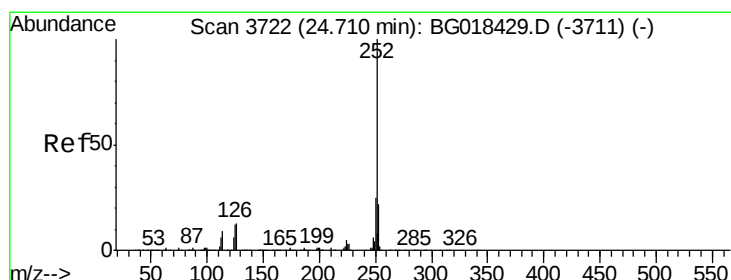
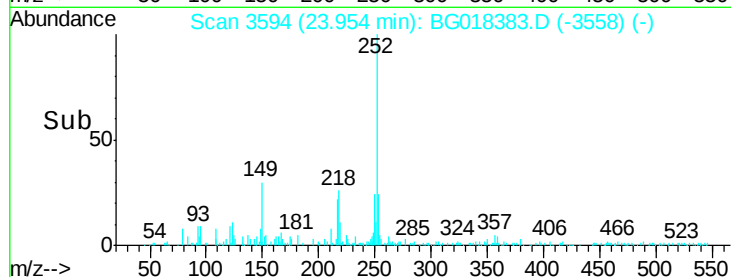
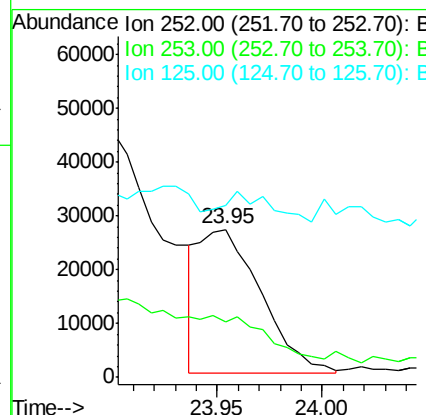
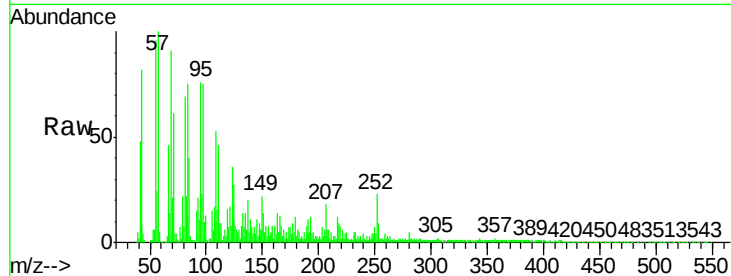
#89
Benzo(k)fluoranthene
Concen: 1.57 ng/ul m
RT: 23.95 min Scan# 3594
Delta R.T. 0.01 min
Lab File: BG018383.D
Acq: 11 Aug 2015 16:08

Instrument :
BNA_G
ClientSampleId :
C01P8DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.2	17.8	26.6#
125	115.8	9.0	13.4#

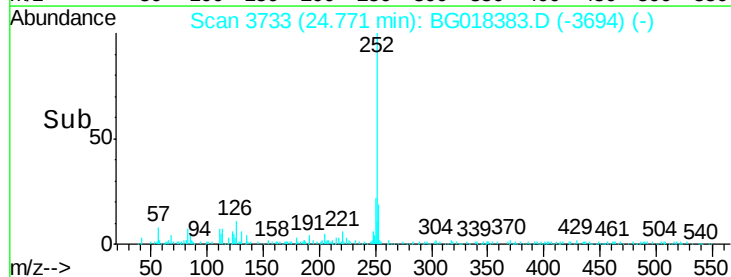
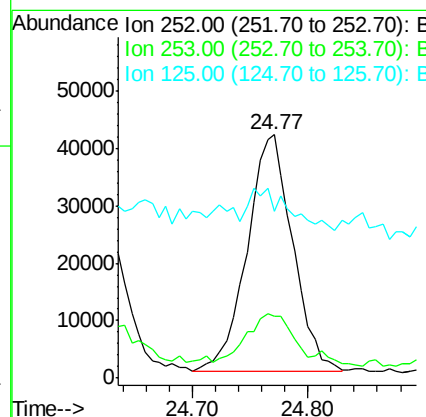
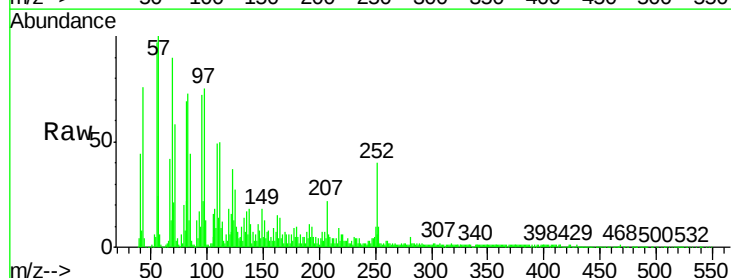
Manual Integrations
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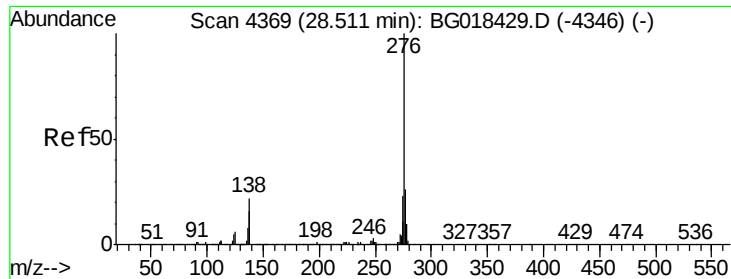
MMDadoda
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#91
Benzo(a)pyrene
Concen: 3.25 ng/ul
RT: 24.77 min Scan# 3733
Delta R.T. 0.03 min
Lab File: BG018383.D
Acq: 11 Aug 2015 16:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.7	26.5
125	68.4	10.2	15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.53 ng/ul

RT: 28.61 min Scan# 4387

Delta R.T. 0.05 min

Lab File: BG018383.D

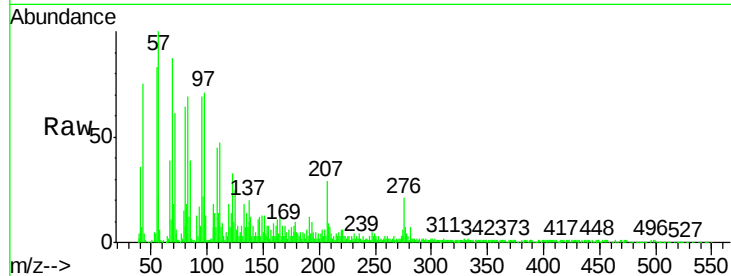
Acq: 11 Aug 2015 16:08

Instrument :

BNA_G

ClientSampleId :

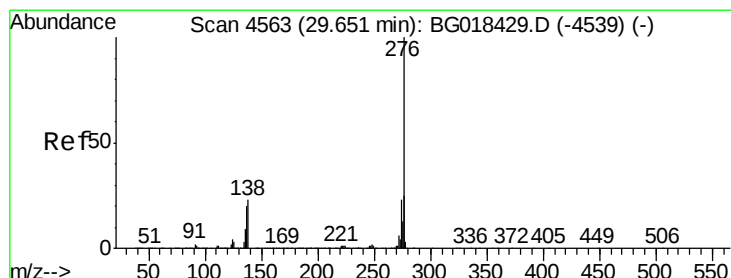
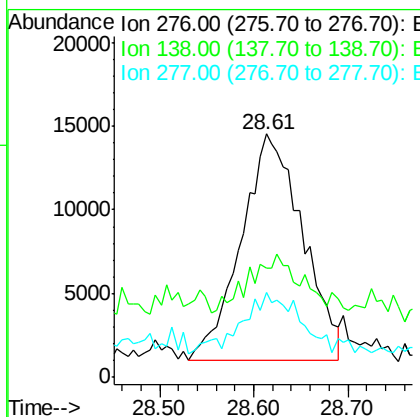
C01P8DL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	45.1	15.8	23.6#
277	34.7	18.9	28.3#

Manual Integrations
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#94

Benzo(g,h,i)perylene

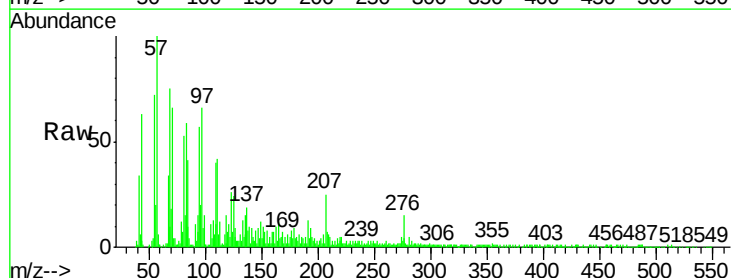
Concen: 1.43 ng/ul m

RT: 29.76 min Scan# 4583

Delta R.T. 0.05 min

Lab File: BG018383.D

Acq: 11 Aug 2015 16:08



Tgt Ion	Ratio	Lower	Upper
276	100		
138	49.2	16.5	24.7#
277	28.0	19.0	28.6

