

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
 Data File : BG018362.D
 Acq On : 10 Aug 2015 20:18
 Operator : UM/MA
 Sample : G3109-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Manual Integrations
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 8/11/2015 9:13:06 AM

Quant Time: Aug 11 13:19:18 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	189924	20.00	ng/ul	0.00
18) Naphthalene-d8	10.84	136	786585	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	417215	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	870266	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	725753	20.00	ng/ul	0.04
86) Perylene-d12	25.02	264	773191m	20.00	ng/ul	0.15

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	6099	1.42	ng/uL	0.00
5) Phenol-d5	7.19	99	151941	8.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	112995	10.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	130737	9.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	134058	9.26	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	67551	11.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.91	143	64366	10.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	133842	10.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.96	131	54985	3.67	ng/ul	0.00
44) Dimethylphthalate-d6	14.06	166	373934	10.65	ng/ul	0.00
47) Acenaphthylene-d8	14.35	160	488187	11.04	ng/ul	0.00
52) 4-Nitrophenol-d4	14.84	143	33947	5.38	ng/ul	0.00
58) Fluorene-d10	15.65	176	315437	10.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.76	200	21913	5.12	ng/ul	0.00
71) Anthracene-d10	17.51	188	429209	10.31	ng/ul	0.01
79) Pyrene-d10	19.82	212	401525	10.66	ng/ul	0.04
90) Benzo(a)pyrene-d12	24.79	264	434739m	10.59	ng/ul	0.14

Target Compounds

						Qvalue
11) 2-Methylphenol	8.47	108	18332	1.34	ng/ul	89
16) 4-Methylphenol	8.80	108	80613	5.42	ng/ul	91
24) 2,4-Dimethylphenol	10.00	107	209625	13.49	ng/ul	94
28) Naphthalene	10.89	128	642892	15.46	ng/ul	98
34) 2-Methylnaphthalene	12.49	142	290893	9.66	ng/ul	96
35) 1-Methylnaphthalene	12.71	142	208178	7.08	ng/ul	100
41) 1,1'-Biphenyl	13.49	154	156079	4.48	ng/ul	94
45) Dimethylphthalate	14.11	163	246789	7.13	ng/ul#	98
50) Acenaphthene	14.72	153	351210	11.29	ng/ul	98
54) Dibenzofuran	15.05	168	306493	7.54	ng/ul	93
59) Fluorene	15.70	166	384317	10.99	ng/ul	99
70) Phenanthrene	17.46	178	2072300	43.89	ng/ul	93
72) Anthracene	17.55	178	598565	12.44	ng/ul#	95
75) Carbazole	17.80	167	264406	6.27	ng/ul#	91
77) Fluoranthene	19.49	202	2438709	48.36	ng/ul#	94
80) Pyrene	19.85	202	2155815	43.93	ng/ul	95
83) Benzo(a)anthracene	21.69	228	1074435	23.88	ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.61	149	4780644	163.00	ng/ul#	30
85) Chrysene	21.75	228	1023006m	24.31	ng/ul	
88) Benzo(b)fluoranthene	23.97	252	1373150	28.26	ng/ul#	53
89) Benzo(k)fluoranthene	24.02	252	466586m	9.98	ng/ul	
91) Benzo(a)pyrene	24.71	252	695583	15.06	ng/ul#	10
92) Indeno(1,2,3-cd)pyrene	28.81	276	501368m	9.38	ng/ul	

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Instrument :
BNA_G
ClientSampleId :
C01P8

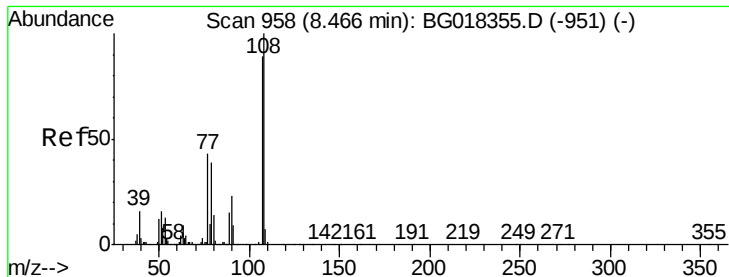
Manual Integrations
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Quant Time: Aug 11 13:19:18 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:39:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.99	276	488093m	10.88	ng/ul	

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



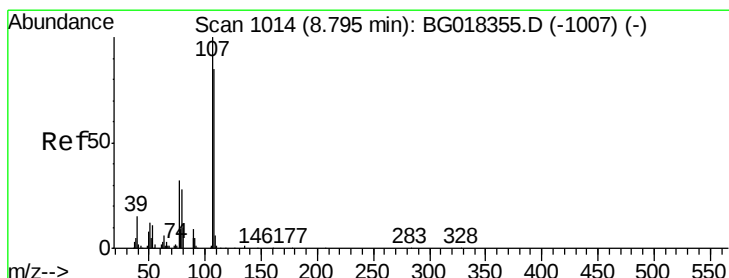
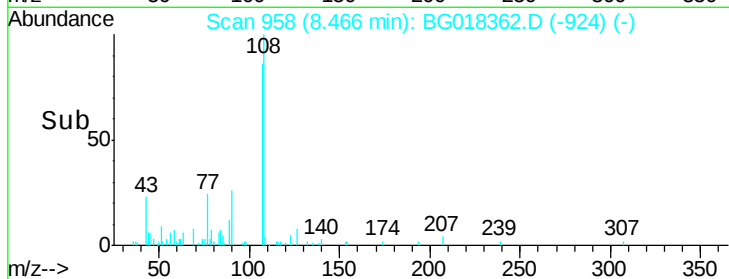
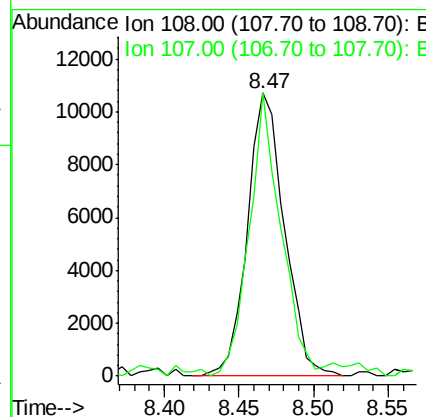
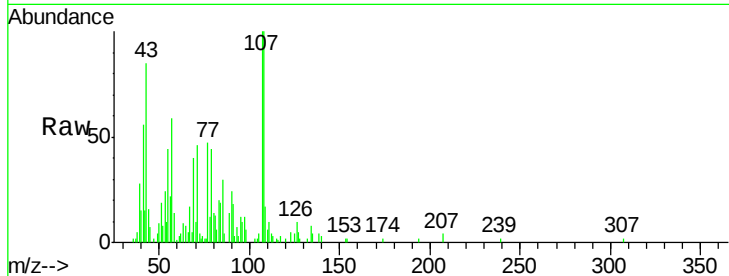
#11
 2-Methylphenol
 Concen: 1.34 ng/ul
 RT: 8.47 min Scan# 958
 Delta R.T. -0.00 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	18332		
107	100.0	72.1	108.1	

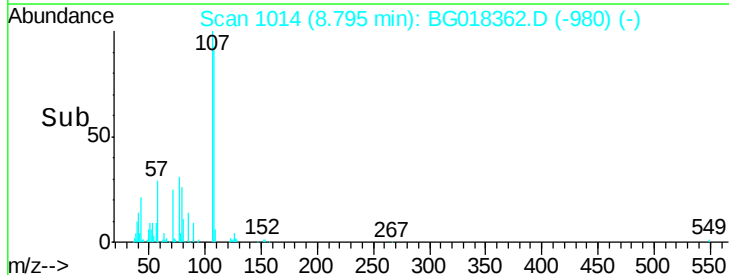
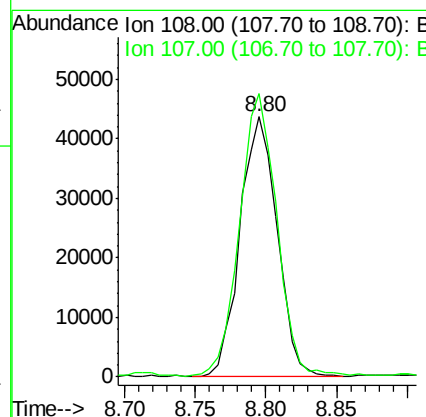
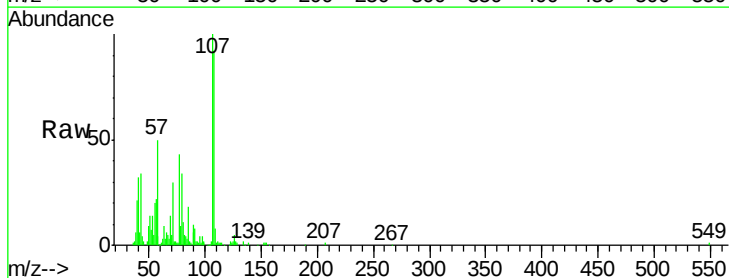
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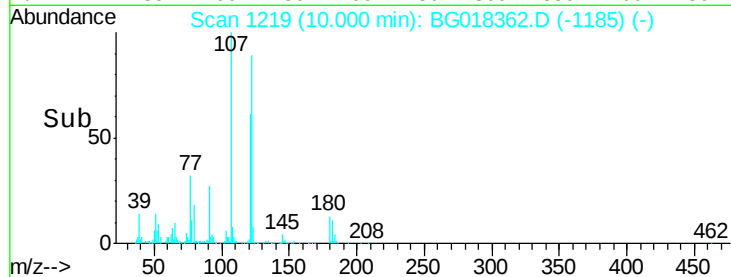
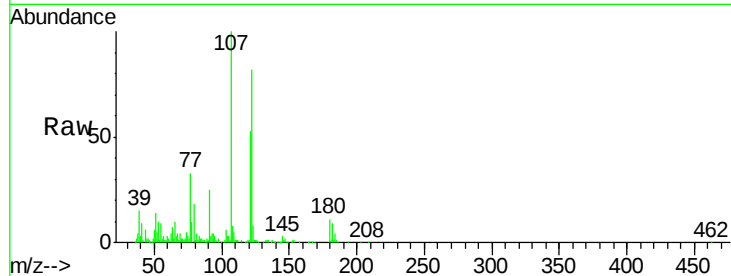
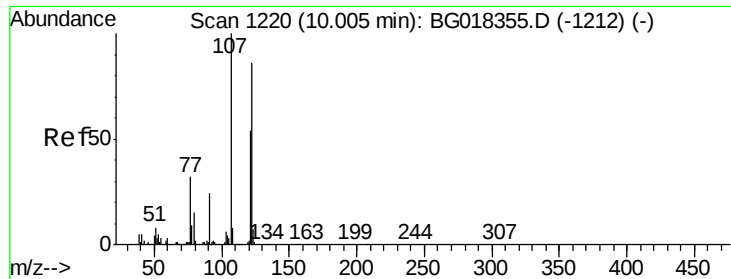
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#16
 4-Methylphenol
 Concen: 5.42 ng/ul
 RT: 8.80 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	80613		
107	108.9	94.6	142.0	





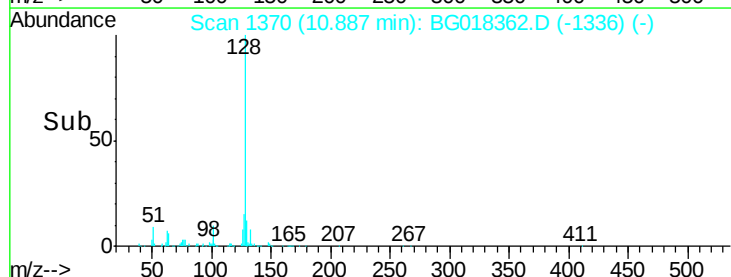
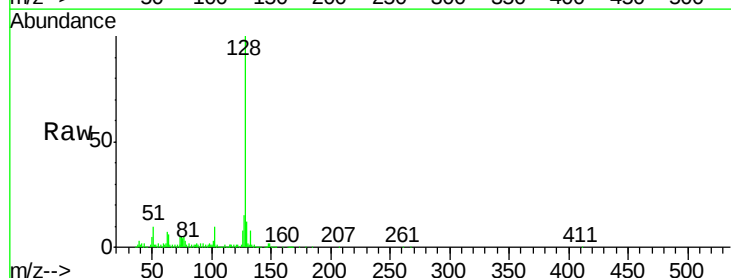
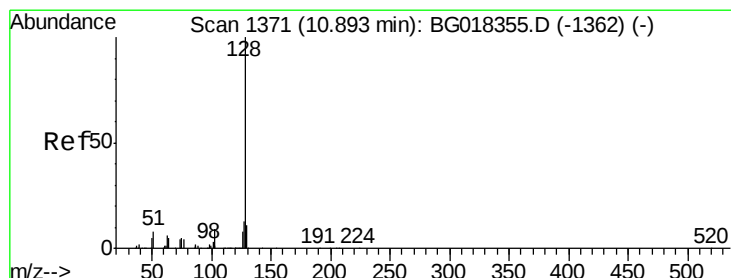
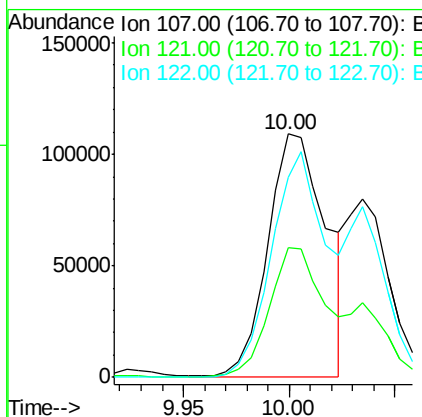
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2,4-Dimethylphenol
Concen: 13.49 ng/ul
RT: 10.00 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BG018362.D
Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
121	53.3	41.3	61.9
122	82.4	71.9	107.9

Instrument :
BNA_G
ClientSampled :
C01P8

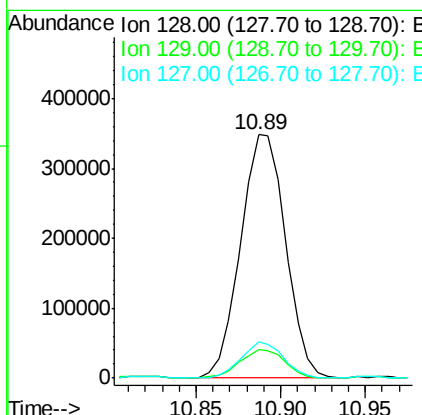
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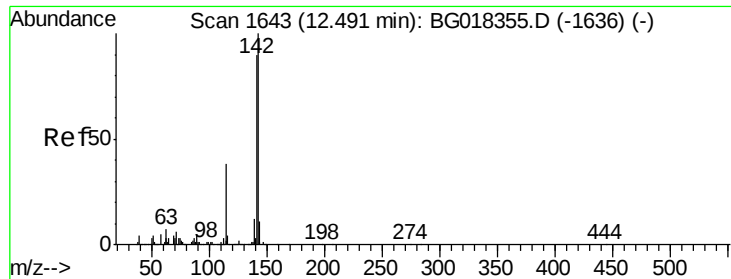
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#28
Naphthalene
Concen: 15.46 ng/ul
RT: 10.89 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BG018362.D
Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.9	9.6	14.4
127	14.9	10.5	15.7





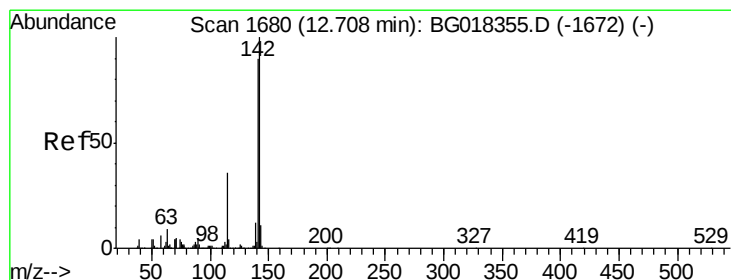
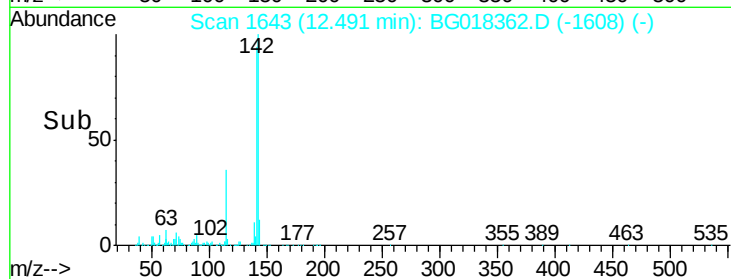
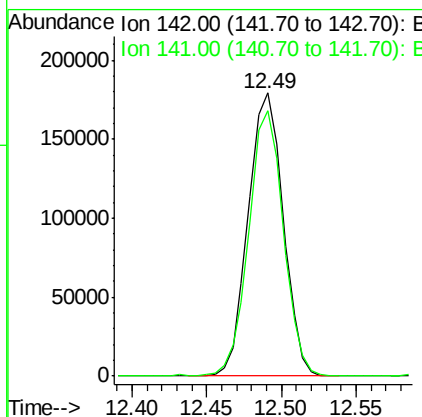
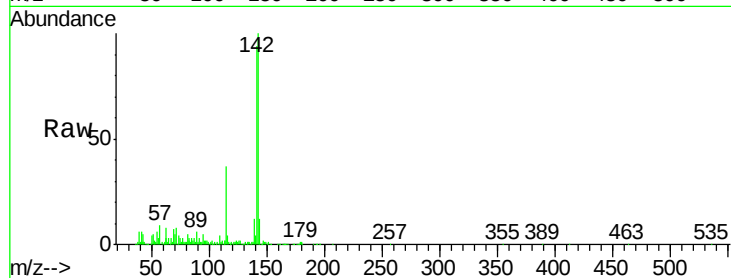
#34
 2-Methylnaphthalene
 Concen: 9.66 ng/ul
 RT: 12.49 min Scan# 1643
 Delta R.T. 0.00 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	290893		
141	93.9	78.0	117.0	

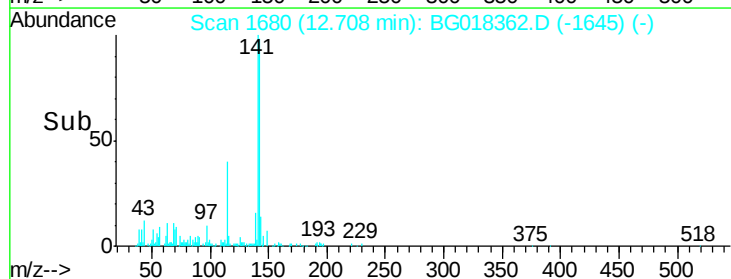
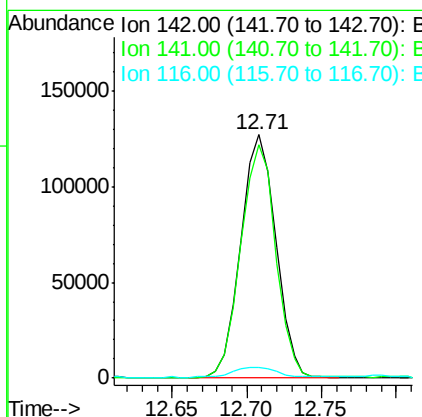
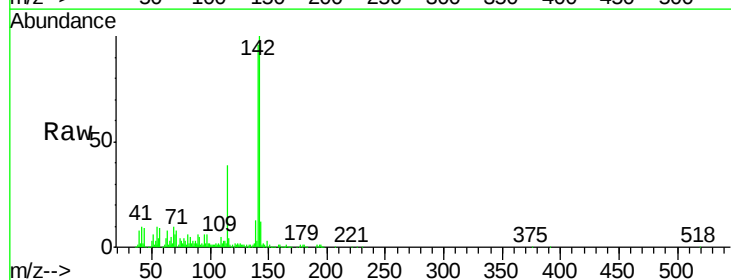
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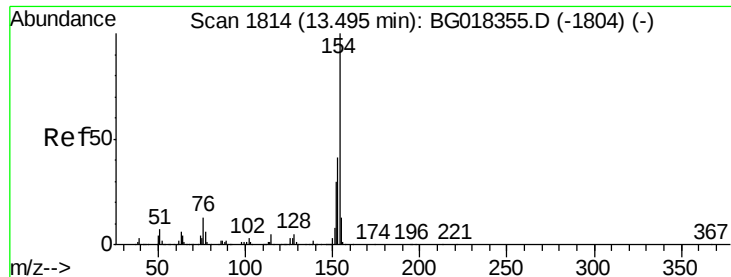
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#35
 1-Methylnaphthalene
 Concen: 7.08 ng/ul
 RT: 12.71 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	208178		
141	95.9	77.1	115.7	
116	4.3	3.5	5.3	





#41

1,1'-Biphenyl

Concen: 4.48 ng/ul

RT: 13.49 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Instrument :

BNA_G

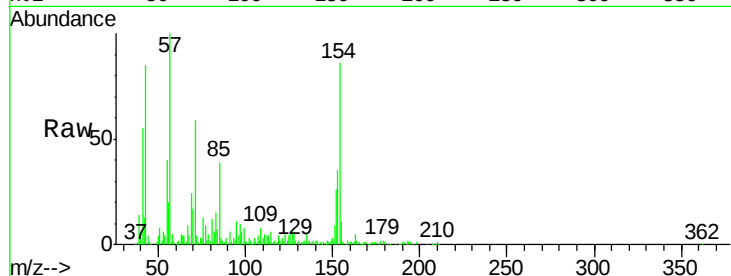
ClientSampled :

C01P8

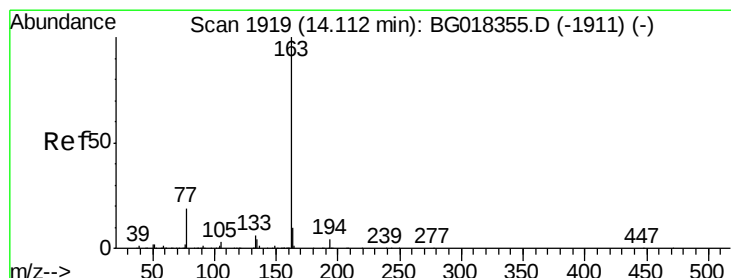
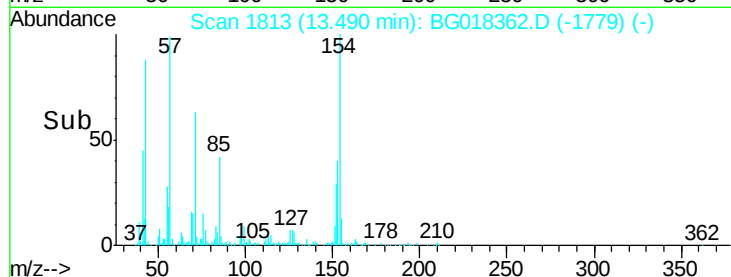
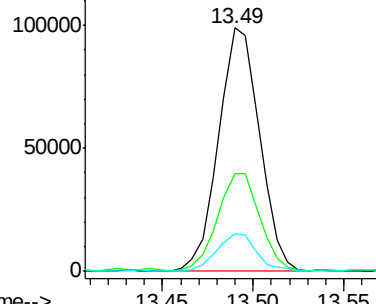
Tgt Ion:	154	Resp:	156079
Ion Ratio		Lower	Upper
154	100		
153	40.3	35.2	52.8
76	15.2	10.6	16.0

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B



#45

Dimethylphthalate

Concen: 7.13 ng/ul

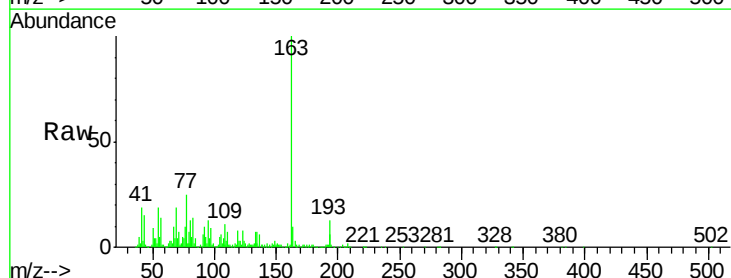
RT: 14.11 min Scan# 1918

Delta R.T. -0.00 min

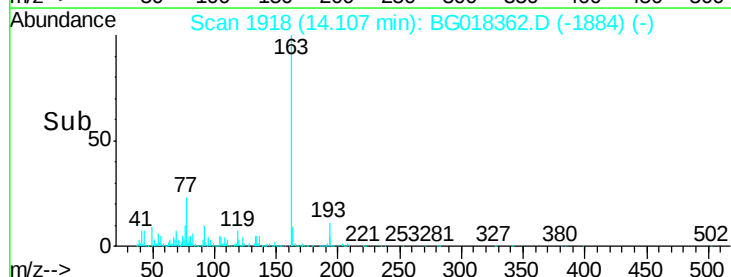
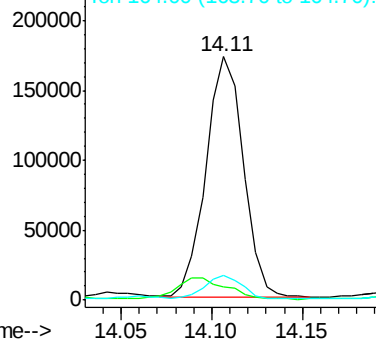
Lab File: BG018362.D

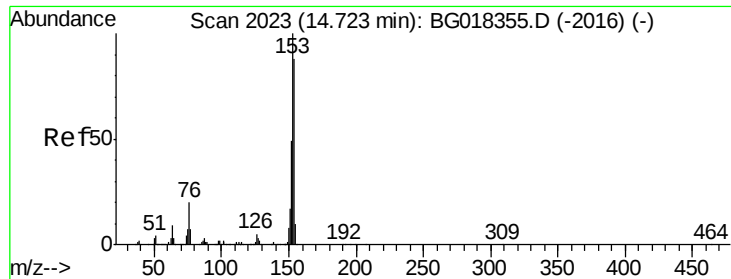
Acq: 10 Aug 2015 20:18

Tgt Ion:	163	Resp:	246789
Ion Ratio		Lower	Upper
163	100		
194	5.5	2.9	4.3#
164	10.0	7.7	11.5



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: 11.29 ng/u1

RT: 14.72 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Instrument :

BNA_G

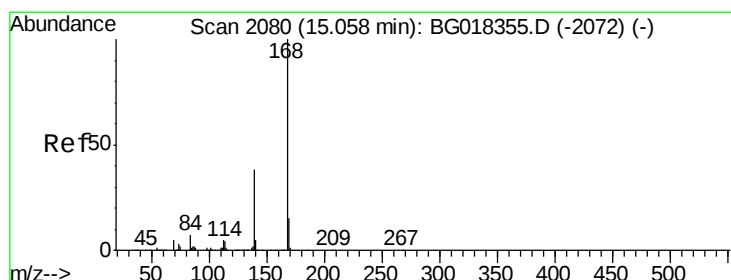
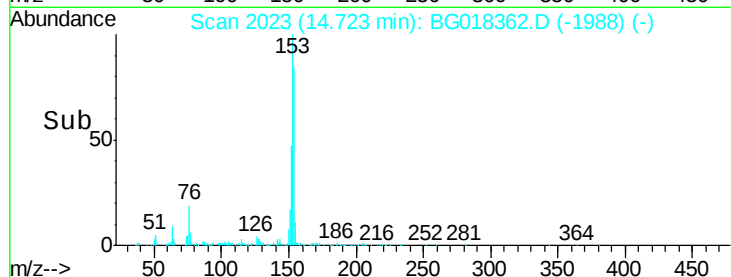
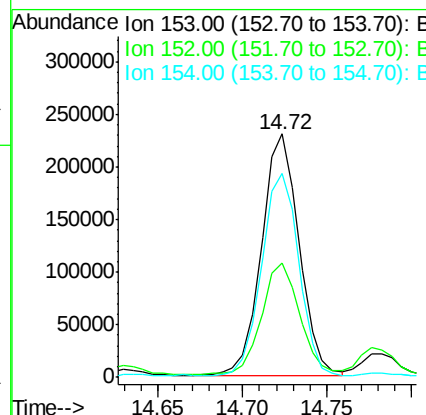
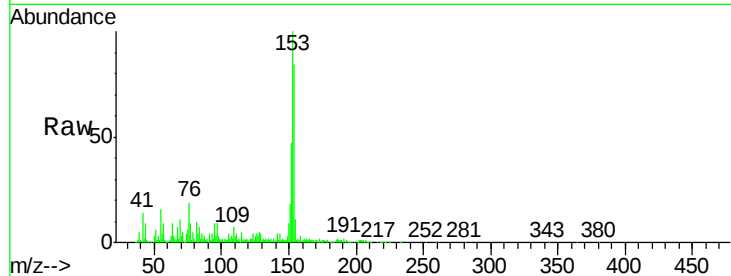
ClientSampleId :

C01P8

Tgt Ion:	153	Resp:	351210
Ion Ratio	Lower	Upper	
153	100		
152	47.2	38.2	57.4
154	83.9	68.6	103.0

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#54

Dibenzofuran

Concen: 7.54 ng/u1

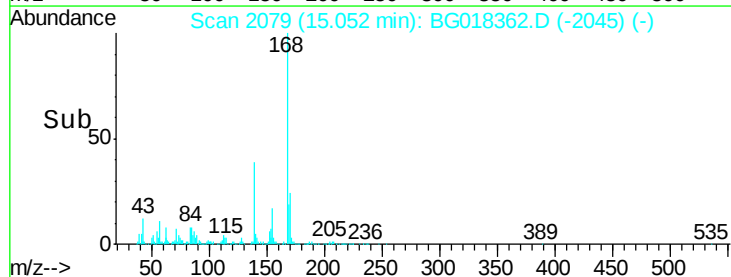
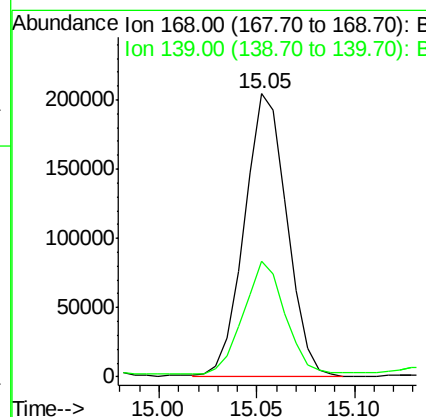
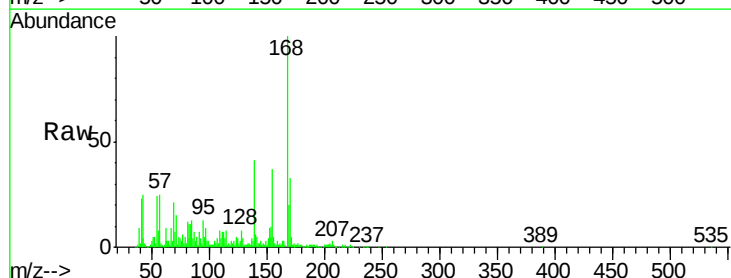
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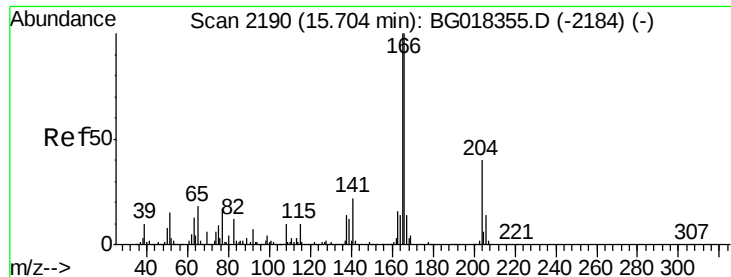
Delta R.T. -0.00 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Tgt Ion:	168	Resp:	306493
Ion Ratio	Lower	Upper	
168	100		
139	41.0	29.7	44.5





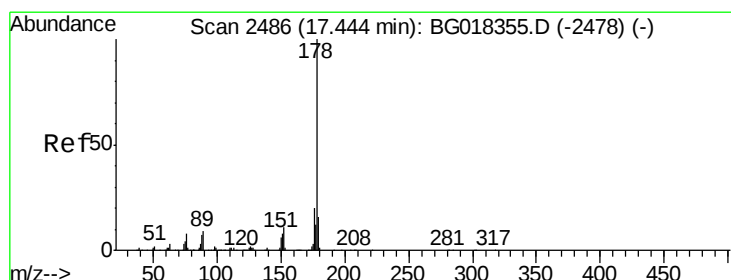
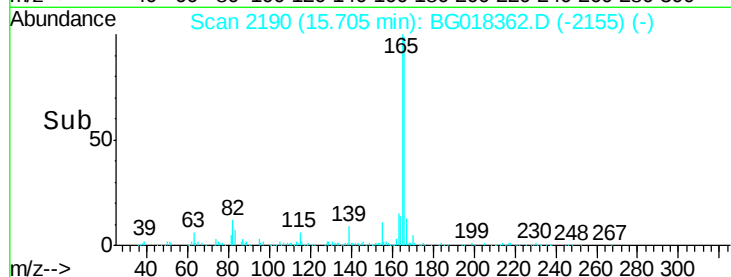
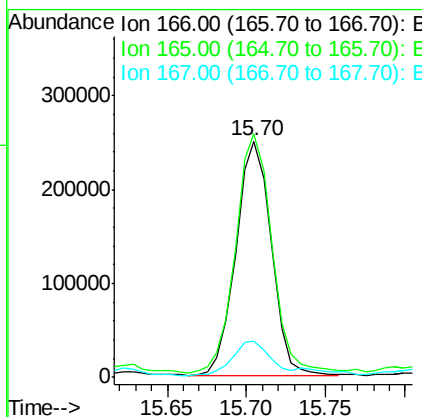
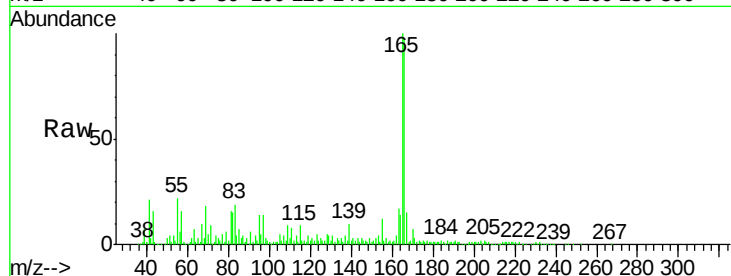
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Fluorene
 Concen: 10.99 ng/ul
 RT: 15.70 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	384317		
165	103.0	82.6	124.0	
167	15.1	11.4	17.0	

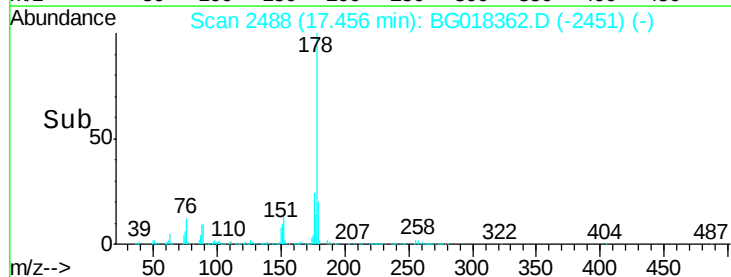
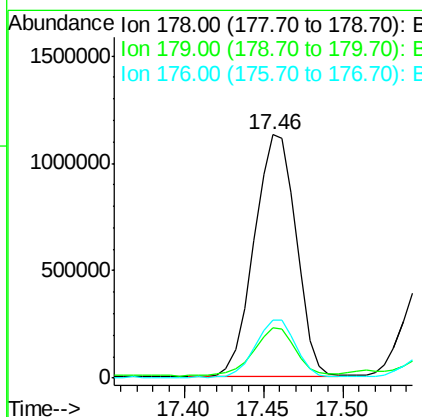
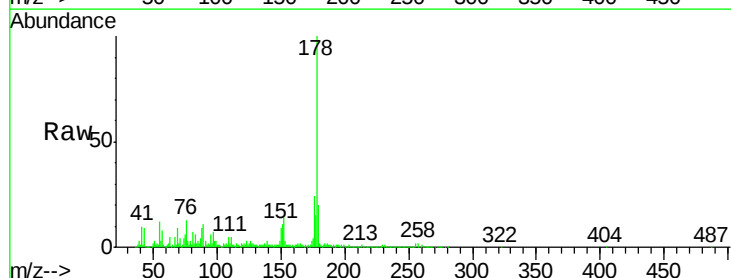
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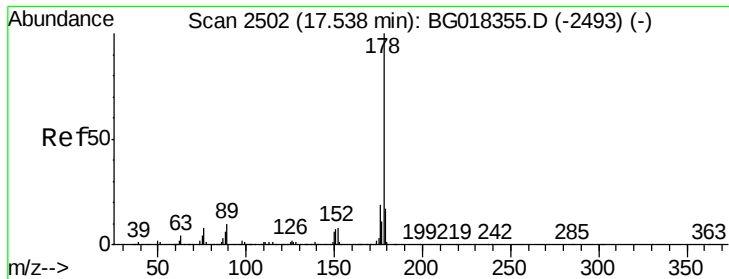
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#70
Phenanthrene
 Concen: 43.89 ng/ul
 RT: 17.46 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2072300		
179	20.4	13.7	20.5	
176	23.7	16.6	24.8	





#72

Anthracene

Concen: 12.44 ng/ul

RT: 17.55 min Scan# 2504

Delta R.T. 0.01 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Instrument :

BNA_G

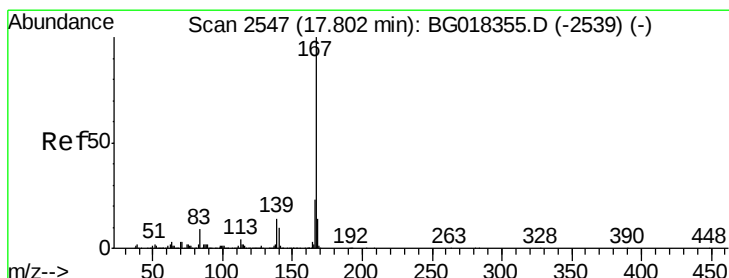
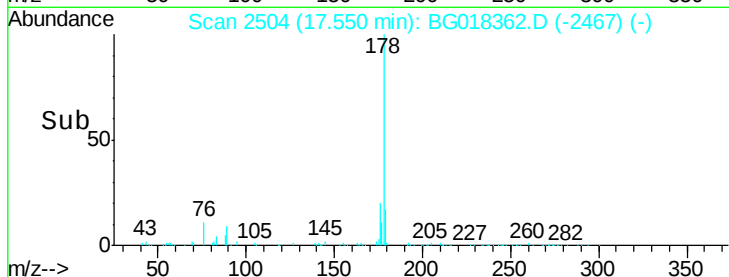
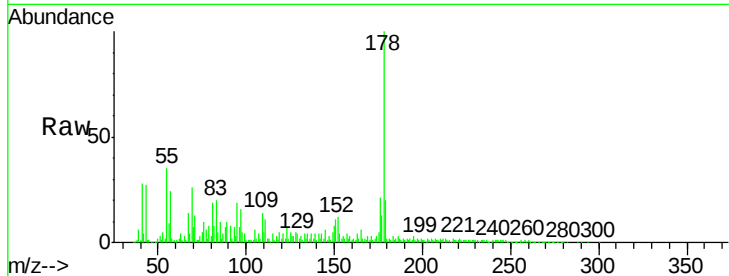
ClientSampleId :

C01P8

Tgt Ion:	178	Resp:	598565
Ion Ratio		Lower	Upper
178	100		
179	20.0	13.0	19.4#
176	20.8	16.0	24.0

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#75

Carbazole

Concen: 6.27 ng/ul

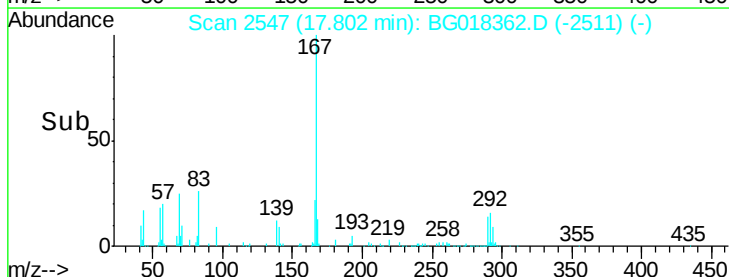
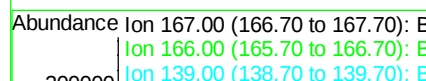
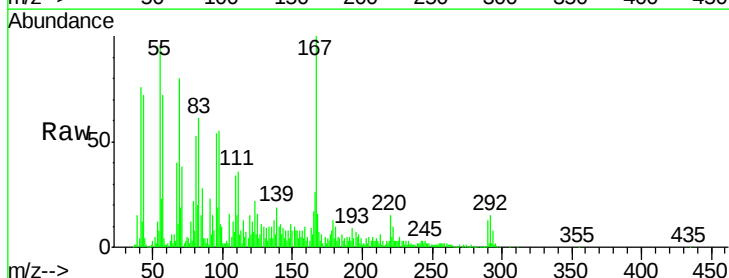
RT: 17.80 min Scan# 2547

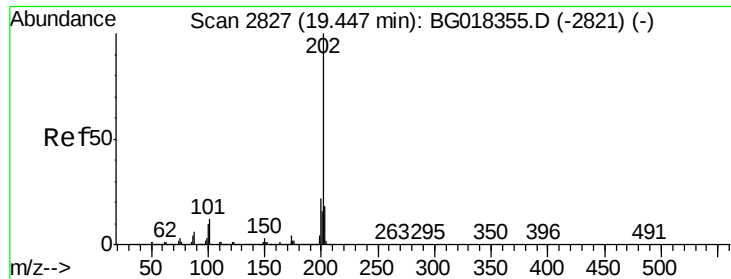
Delta R.T. 0.01 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Tgt Ion:	167	Resp:	264406
Ion Ratio		Lower	Upper
167	100		
166	25.8	18.9	28.3
139	19.3	10.1	15.1#





#77

Fluoranthene

Concen: 48.36 ng/ul

RT: 19.49 min Scan# 2835

Delta R.T. 0.05 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Instrument :

BNA_G

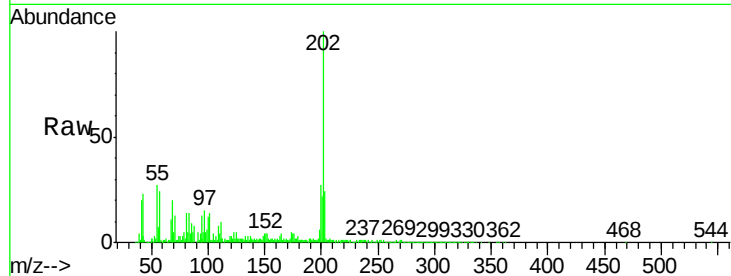
ClientSampleId :

C01P8

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	14.4	9.7	14.5	
100	11.8	7.8	11.8	

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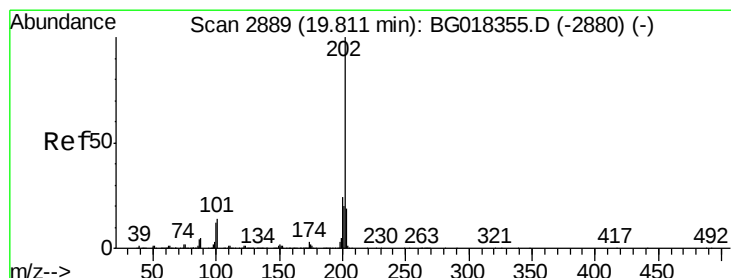
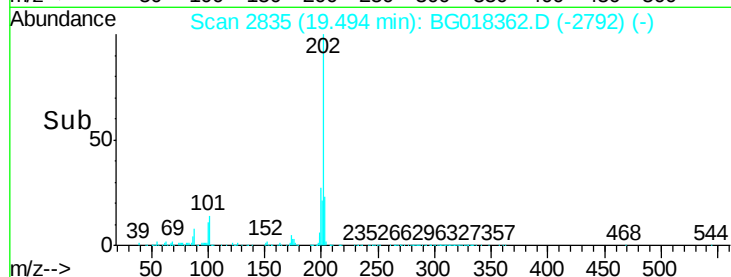
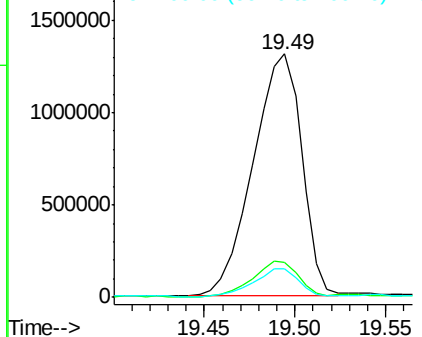
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 43.93 ng/ul

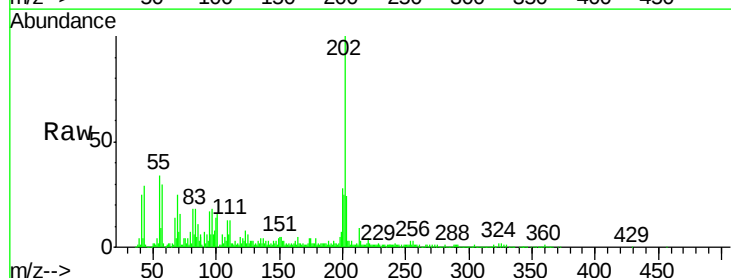
RT: 19.85 min Scan# 2896

Delta R.T. 0.04 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

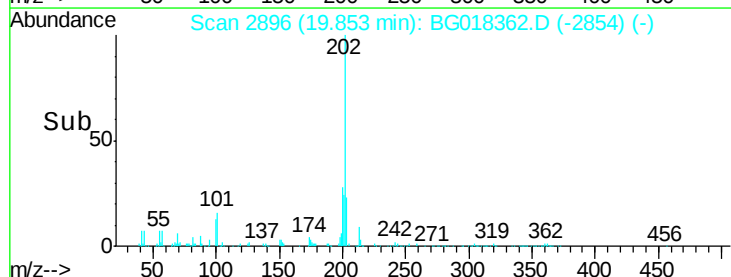
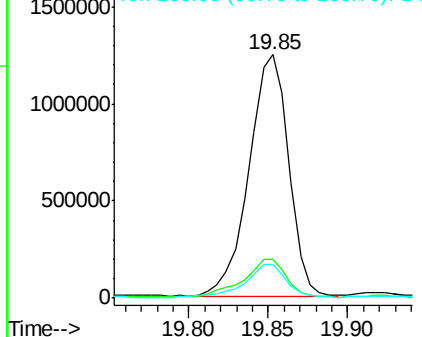
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	16.2	11.0	16.4	
100	13.9	9.8	14.6	

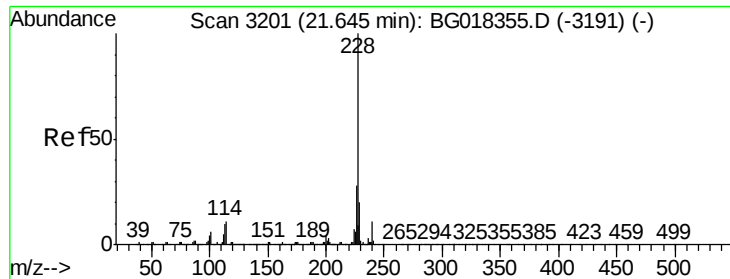


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





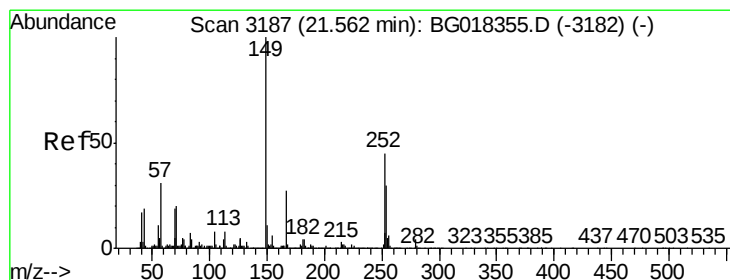
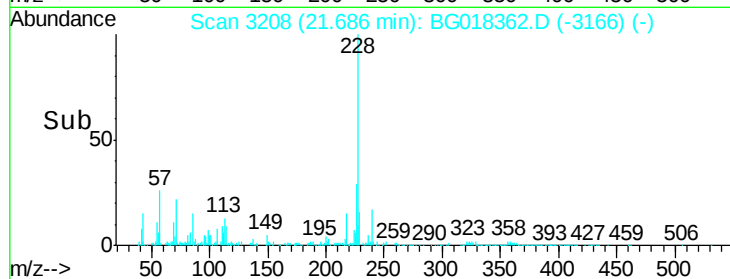
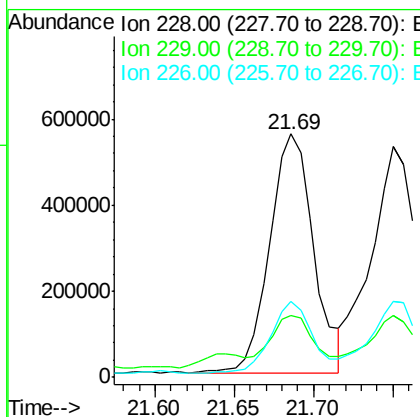
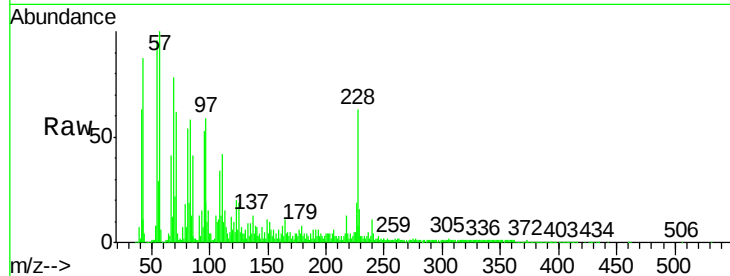
#83
Benzo(a)anthracene
Concen: 23.88 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.04 min
Lab File: BG018362.D
Acq: 10 Aug 2015 20:18

Instrument :
BNA_G
ClientSampleId :
C01P8

Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.3	15.5	23.3#
226	30.9	22.1	33.1

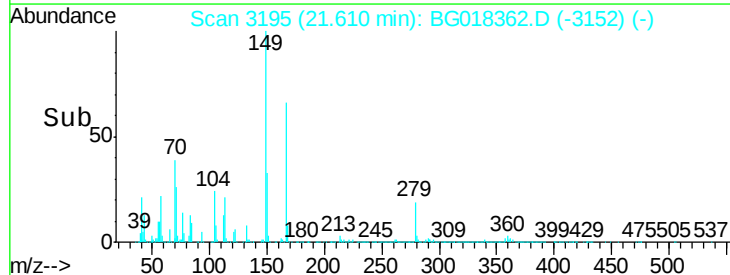
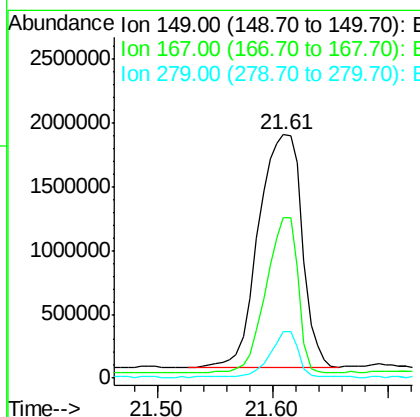
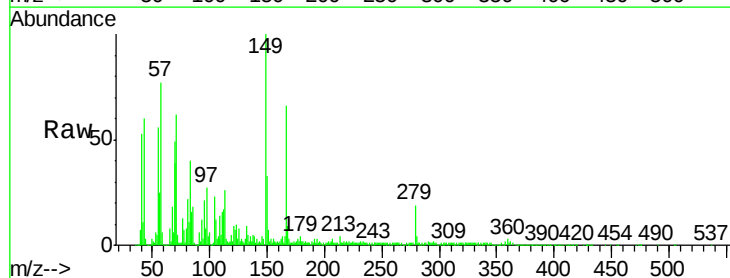
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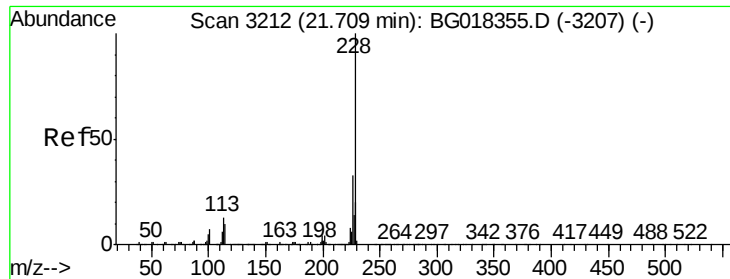
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#84
Bis(2-ethylhexyl)phthalate
Concen: 163.00 ng/ul
RT: 21.61 min Scan# 3195
Delta R.T. 0.05 min
Lab File: BG018362.D
Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	66.0	22.2	33.2#
279	19.0	2.8	4.2#





#85

Chrysene

Concen: 24.31 ng/ul m

RT: 21.75 min Scan# 3219

Delta R.T. 0.04 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Instrument :

BNA_G

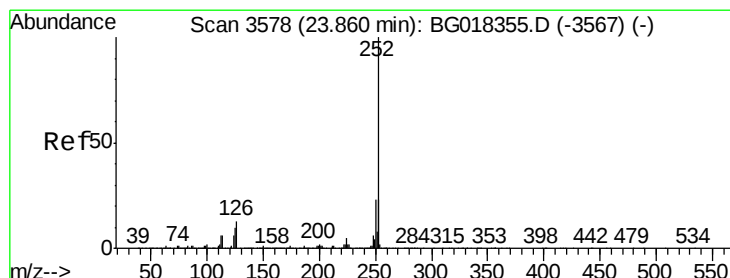
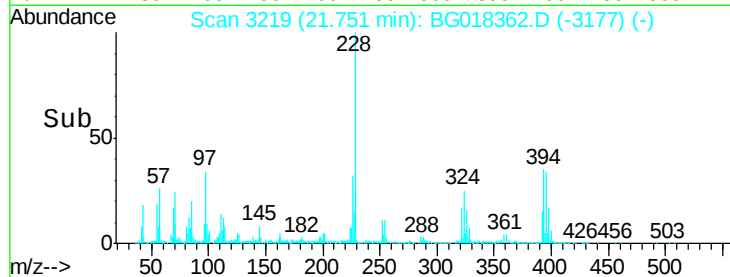
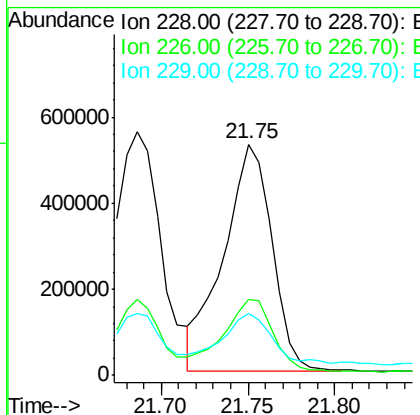
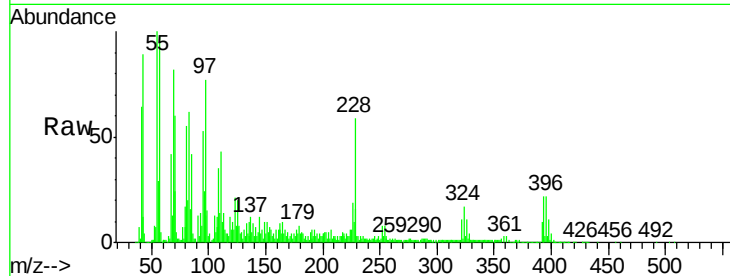
ClientSampled :

C01P8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	26.5	39.7
229	26.9	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 28.26 ng/ul

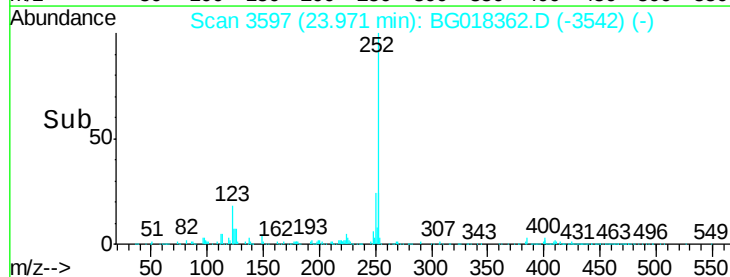
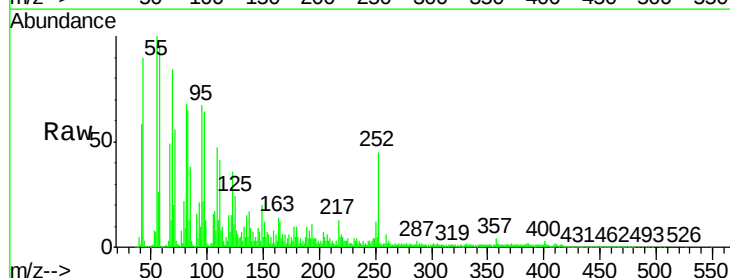
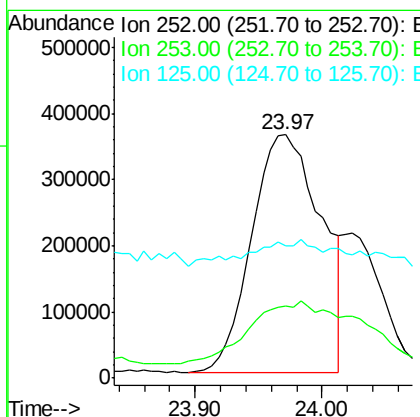
RT: 23.97 min Scan# 3597

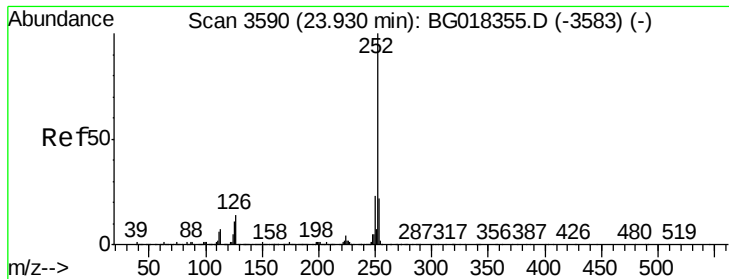
Delta R.T. 0.12 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.1	27.1
125	54.1	8.3	12.5





#89

Benzo(k)fluoranthene

Concen: 9.98 ng/ul m

RT: 24.02 min Scan# 3606

Delta R.T. 0.10 min

Lab File: BG018362.D

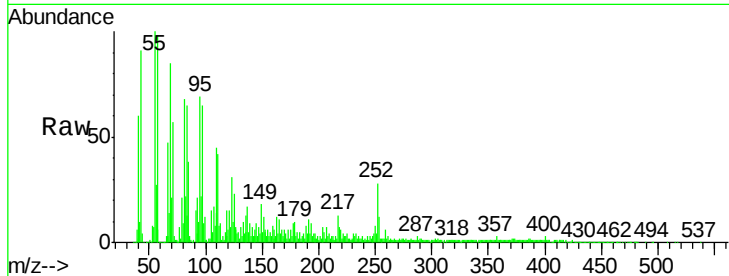
Acq: 10 Aug 2015 20:18

Instrument :

BNA_G

ClientSampled :

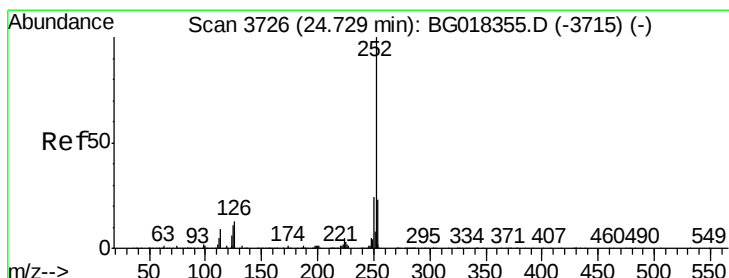
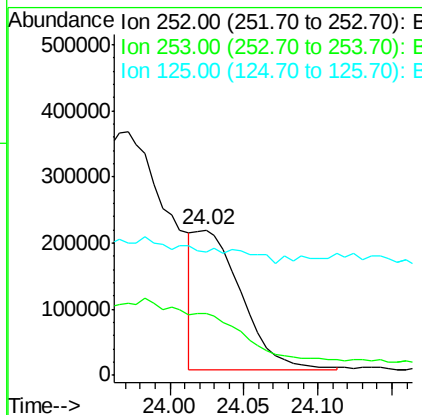
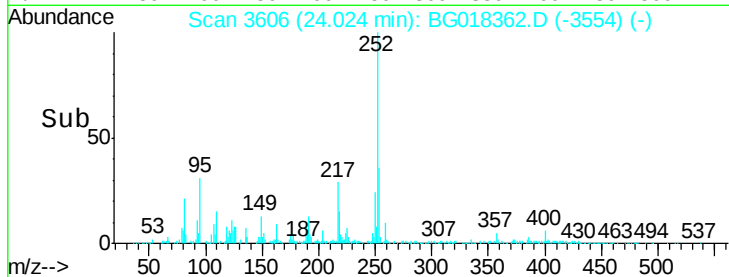
C01P8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.9	17.8	26.6#
125	84.9	9.0	13.4#

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#91

Benzo(a)pyrene

Concen: 15.06 ng/ul

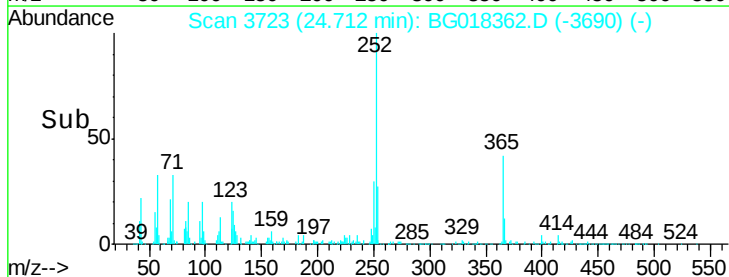
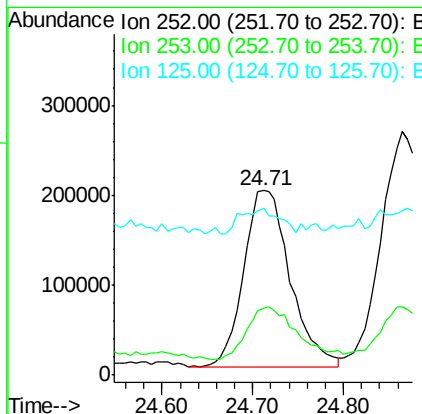
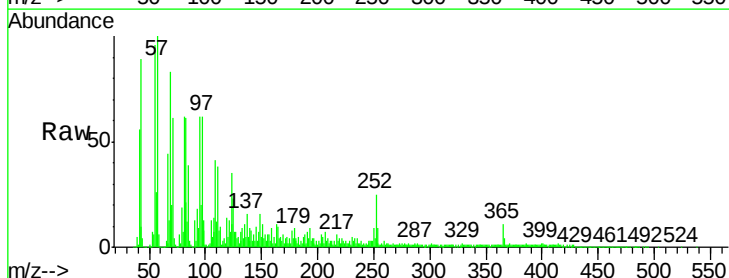
RT: 24.71 min Scan# 3723

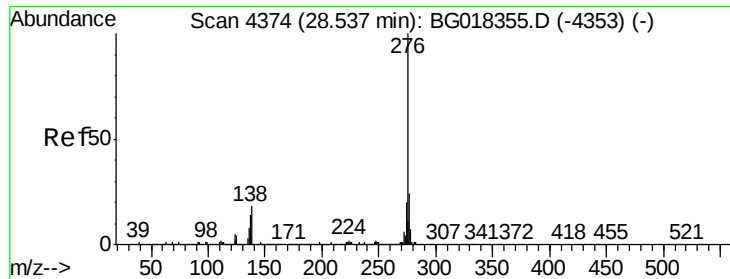
Delta R.T. -0.01 min

Lab File: BG018362.D

Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.0	17.7	26.5#
125	90.3	10.2	15.2#





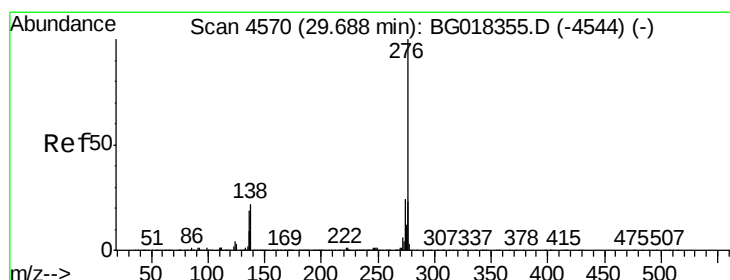
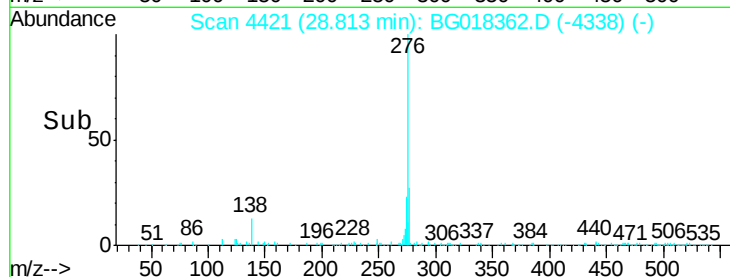
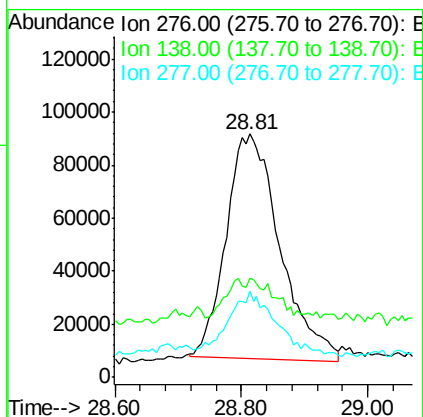
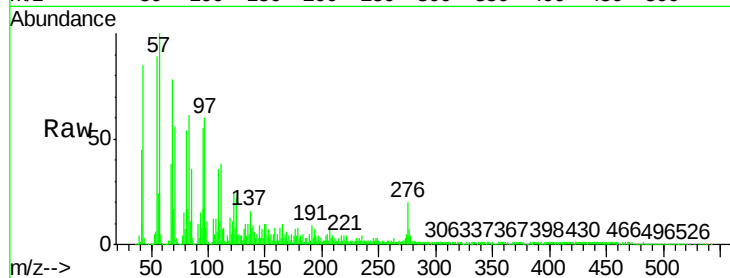
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 9.38 ng/ul m
 RT: 28.81 min Scan# 4421
 Delta R.T. 0.28 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Instrument :
 BNA_G
 ClientSampleId :
 C01P8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	40.4	15.8	23.6#
277	35.2	18.9	28.3#

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#94
 Benzo(g,h,i)perylene
 Concen: 10.88 ng/ul m
 RT: 29.99 min Scan# 4621
 Delta R.T. 0.31 min
 Lab File: BG018362.D
 Acq: 10 Aug 2015 20:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	38.7	16.5	24.7#
277	32.1	19.0	28.6#

