

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
 Data File : BG018295.D
 Acq On : 6 Aug 2015 5:36
 Operator : UM/TP
 Sample : G3109-12RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P8RE

Manual Integrations
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apatel
 8/10/2015 9:25:20 AM

Quant Time: Aug 06 07:51:13 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	53657	20.00	ng/ul	0.02
18) Naphthalene-d8	10.23	136	223395	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.13	164	112271	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.90	188	181820m	20.00	ng/ul	0.03
78) Chrysene-d12	21.14	240	369759m	20.00	ng/ul	0.05
86) Perylene-d12	23.22	264	250519m	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	722	1.16	ng/uL	0.00
5) Phenol-d5	6.66	99	38884	9.21	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.79	67	21517	10.55	ng/ul	0.01
9) 2-Chlorophenol-d4	6.99	132	34818	9.91	ng/ul	0.02
13) 4-Methylphenol-d8	8.19	113	33904	9.52	ng/ul	0.02
19) Nitrobenzene-d5	8.60	128	19803	11.45	ng/ul	0.02
22) 2-Nitrophenol-d4	9.32	143	19525	9.76	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.88	165	35839	9.74	ng/ul	0.02
29) 4-Chloroaniline-d4	10.38	131	22883	5.19	ng/ul	0.02
44) Dimethylphthalate-d6	13.54	166	106126	12.22	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	119331	12.12	ng/ul	0.02
52) 4-Nitrophenol-d4	14.38	143	229	0.16	ng/ul	0.01
58) Fluorene-d10	15.14	176	80225	10.28	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.01	188	81409m	10.18	ng/ul	0.03
79) Pyrene-d10	19.34	212	96801m	4.68	ng/ul	0.06
90) Benzo(a)pyrene-d12	23.22	264	239249m	18.35	ng/ul	0.11

Target Compounds

					Ovalue
11) 2-Methylphenol	7.92	108	4490	1.31	ng/ul 98
14) Acetophenone	8.24	105	27397m	4.78	ng/ul
16) 4-Methylphenol	8.25	108	20825	5.43	ng/ul 94
24) 2,4-Dimethylphenol	9.44	107	67627m	15.03	ng/ul
28) Naphthalene	10.28	128	169612	16.15	ng/ul# 96
34) 2-Methylnaphthalene	11.91	142	79712	9.46	ng/ul 98
35) 1-Methylnaphthalene	12.13	142	55490	6.81	ng/ul 98
41) 1,1'-Biophenyl	12.95	154	40559	5.24	ng/ul 97
45) Dimethylphthalate	13.59	163	64786	7.48	ng/ul# 96
50) Acenaphthene	14.20	153	82203	12.53	ng/ul 97
54) Dibenzofuran	14.54	168	74983	7.76	ng/ul 98
59) Fluorene	15.19	166	88170	10.40	ng/ul# 89
70) Phenanthrene	16.95	178	470010	51.22	ng/ul 99
72) Anthracene	17.04	178	124879m	13.64	ng/ul
75) Carbazole	17.32	167	43987m	5.69	ng/ul
77) Fluoranthene	19.01	202	587303m	57.71	ng/ul
80) Pyrene	19.37	202	607355m	23.62	ng/ul
83) Benzo(a)anthracene	21.12	228	505650m	25.91	ng/ul
84) Bis(2-ethylhexyl)phthalate	21.06	149	3123353m	260.28	ng/ul
85) Chrysene	21.12	228	512815m	29.24	ng/ul
88) Benzo(b)fluoranthene	22.69	252	731421m	47.61	ng/ul
89) Benzo(k)fluoranthene	22.73	252	450141m	30.55	ng/ul
91) Benzo(a)pyrene	23.17	252	337828m	25.18	ng/ul

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration

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

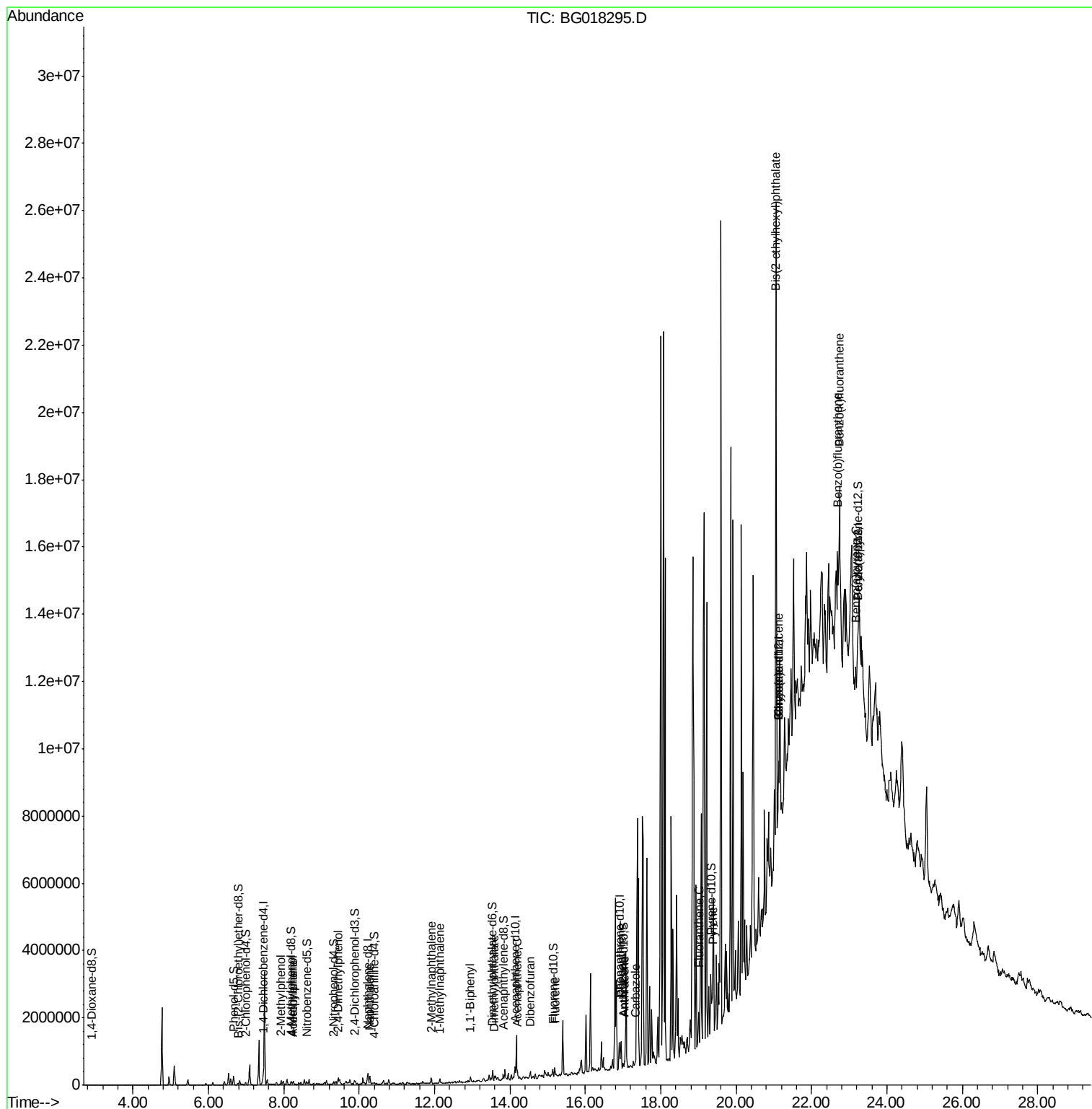
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Operator : UM/TP
Sample : G3109-12RE
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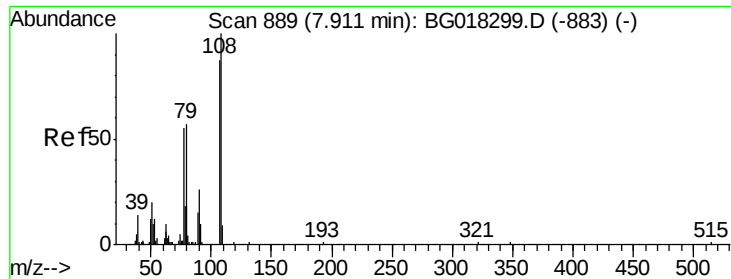
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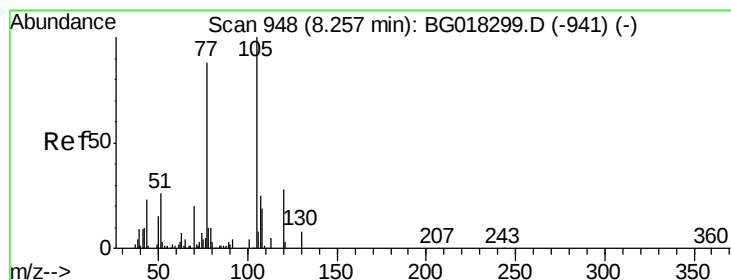
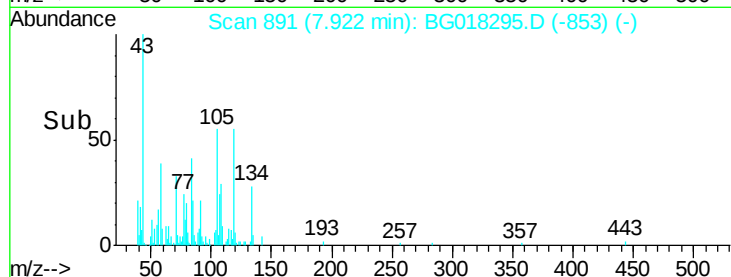
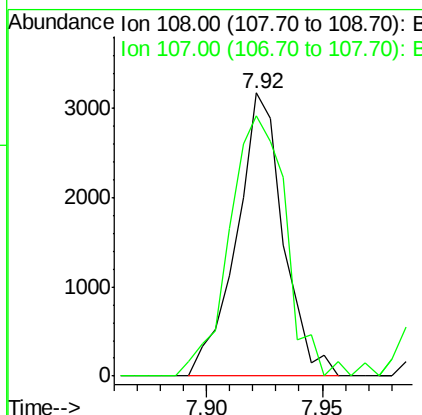
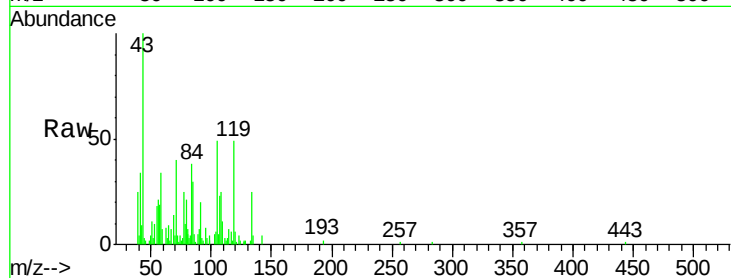
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2-Methylphenol
Concen: 1.31 ng/ul
RT: 7.92 min Scan# 891
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Instrument :
BNA_G
ClientSampleId :
C01P8RE

Tot Ion	Ratio	Lower	Upper
108	100		
107	92.2	72.2	108.4

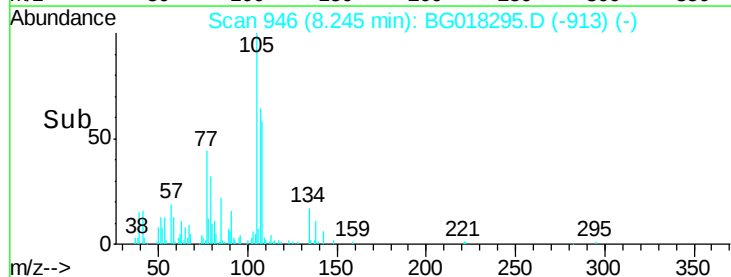
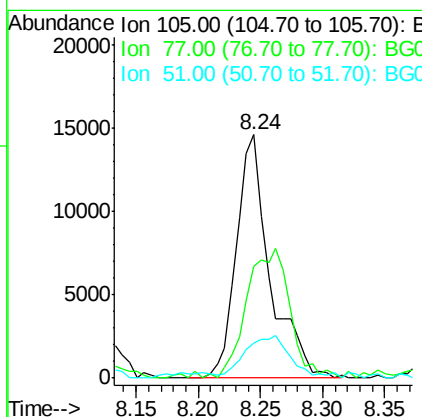
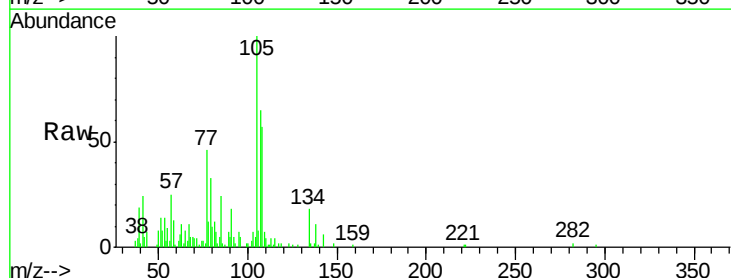
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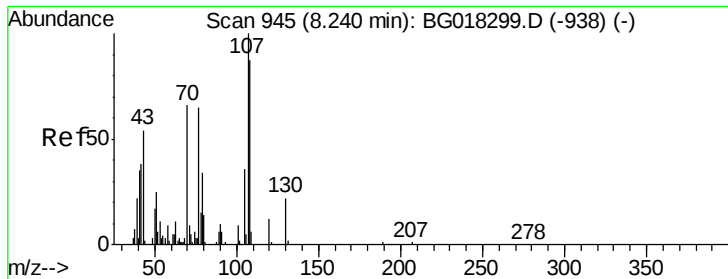
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#14
Acetophenone
Concen: 4.78 ng/ul m
RT: 8.24 min Scan# 946
Delta R.T. -0.01 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Lower	Upper
105	100		
77	45.7	67.5	101.3#
51	14.2	23.6	35.4#





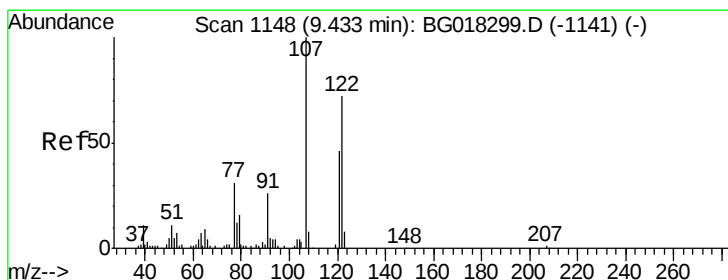
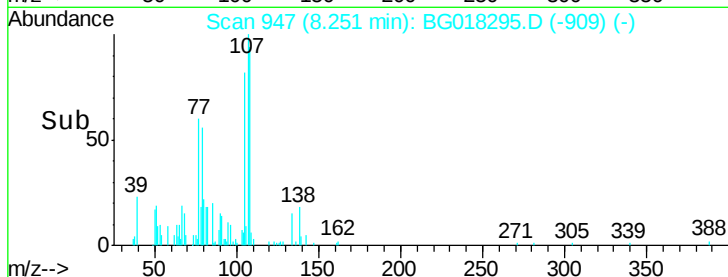
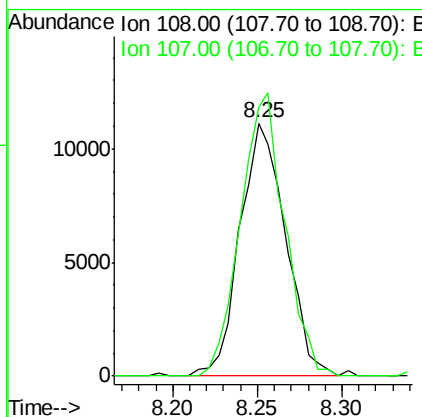
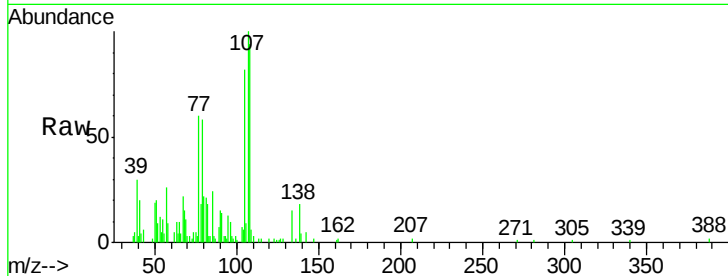
#16
4-Methylphenol
Concen: 5.43 ng/ul
RT: 8.25 min Scan# 947
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Instrument :
BNA_G
ClientSampled :
C01P8RE

Tot Ion	Ratio	Resp	Lower	Upper
108	100	20825		
107	106.3	89.9	134.9	

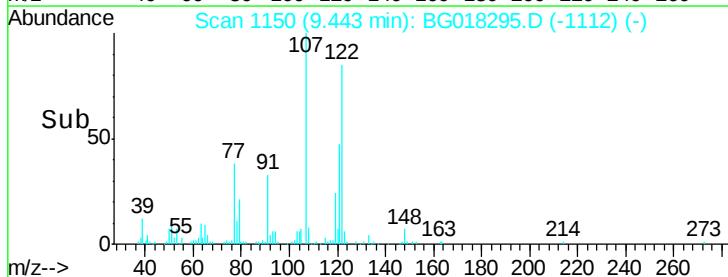
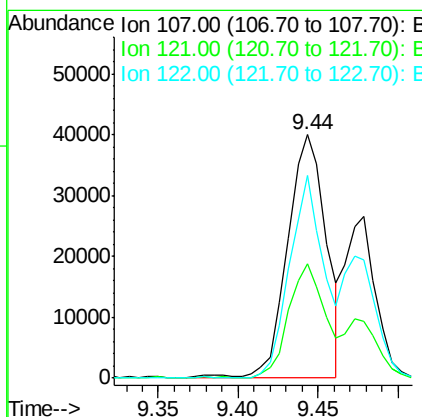
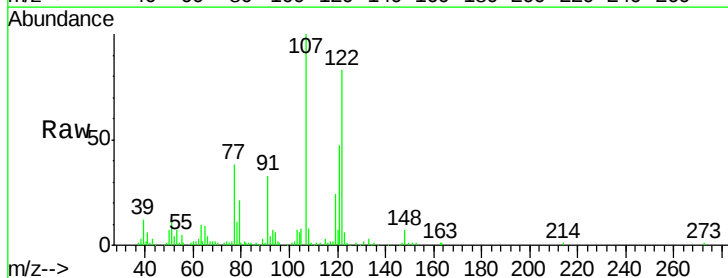
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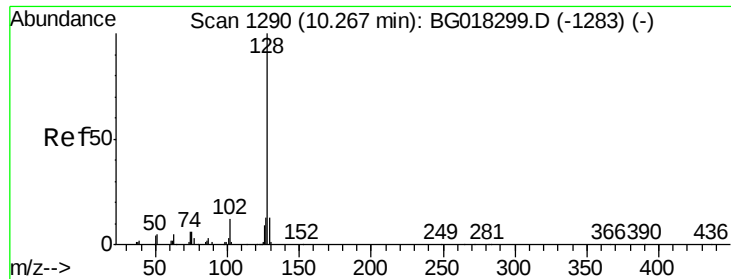
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#24
2,4-Dimethylphenol
Concen: 15.03 ng/ul m
RT: 9.44 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	67627		
121	47.1	34.8	52.2	
122	83.4	55.5	83.3#	





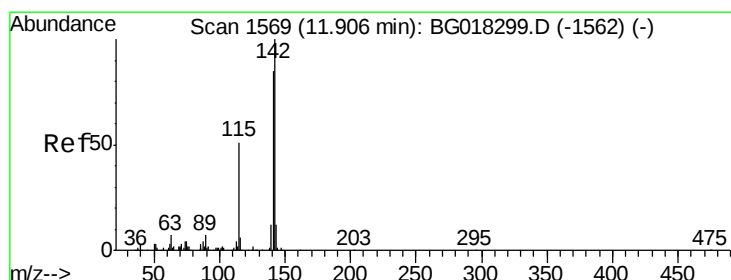
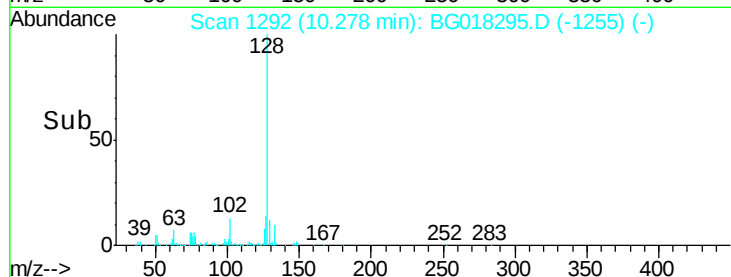
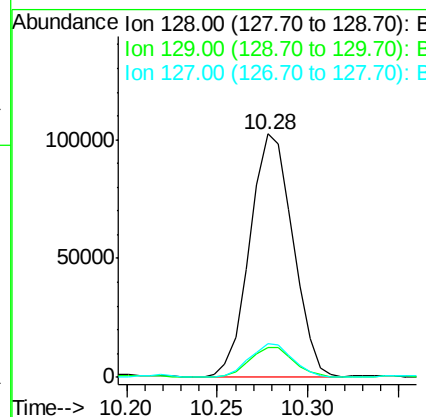
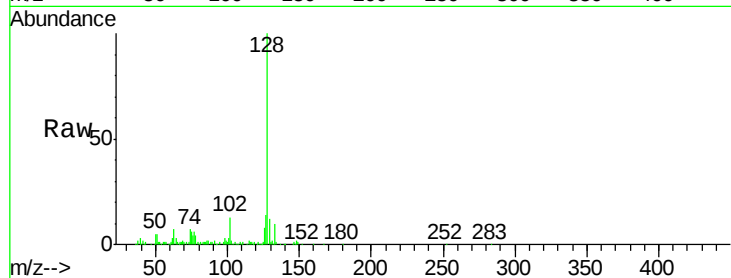
#28
Naphthalene
Concen: 16.15 ng/ul
RT: 10.28 min Scan# 1292
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Instrument :
BNA_G
ClientSampleId :
C01P8RE

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	12.0	7.8	11.6#
127	13.8	10.2	15.4

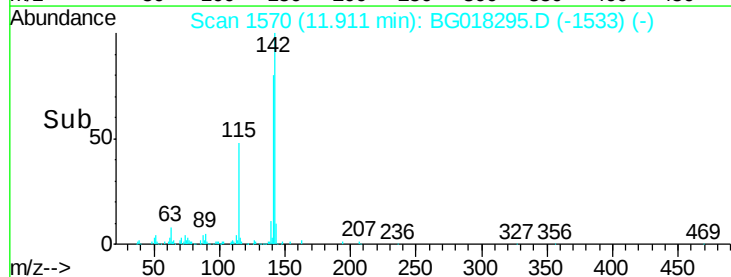
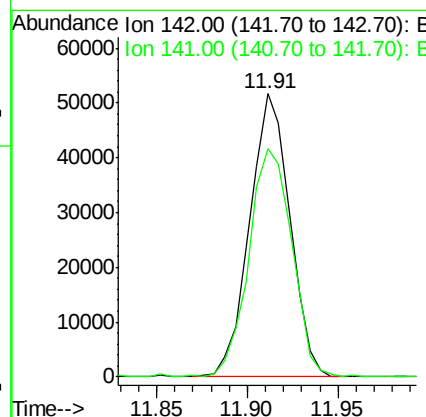
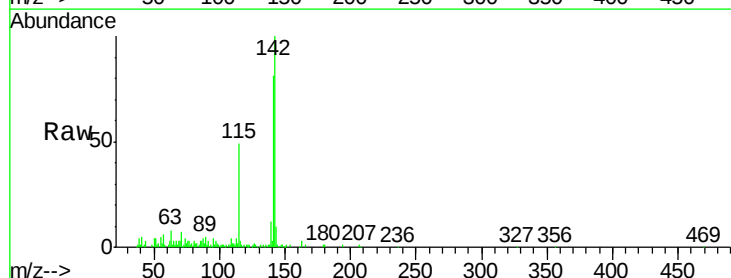
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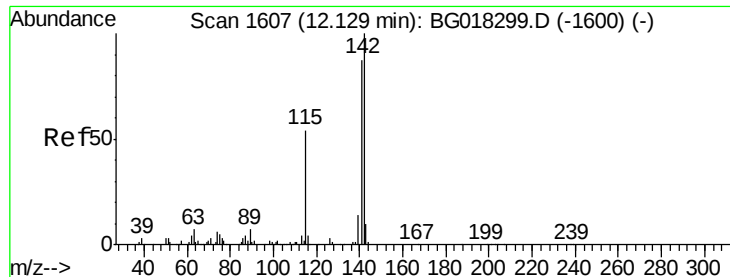
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#34
2-Methylnaphthalene
Concen: 9.46 ng/ul
RT: 11.91 min Scan# 1570
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	80.6	65.9	98.9





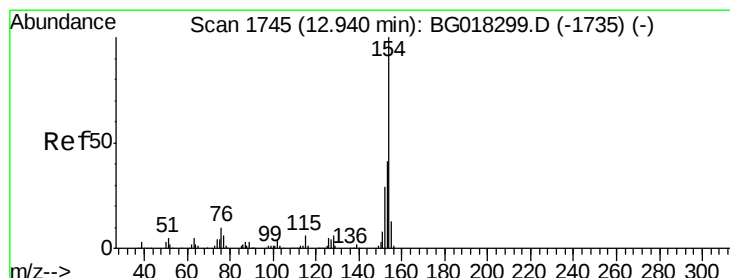
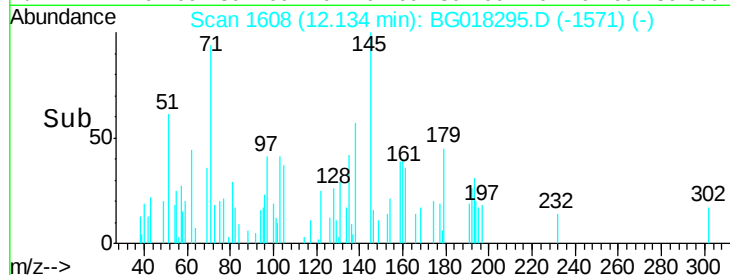
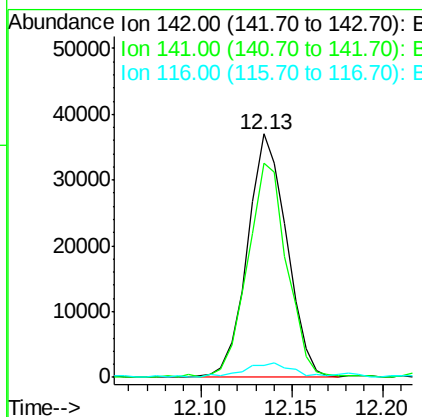
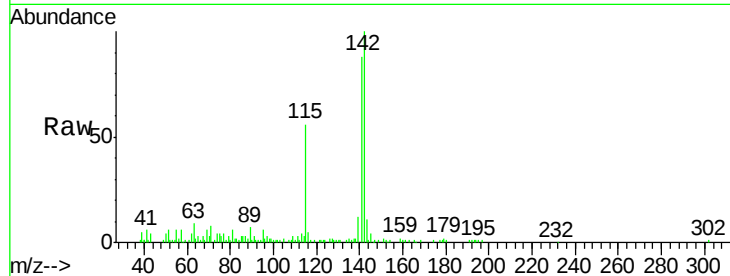
#35
 1-Methylnaphthalene
 Concen: 6.81 ng/ul
 RT: 12.13 min Scan# 1608
 Delta R.T. 0.02 min
 Lab File: BG018295.D
 Acq: 6 Aug 2015 5:36

Instrument :
 BNA_G
 ClientSampled :
 C01P8RE

Tot Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.1	69.0	103.4	
116	4.8	4.2	6.4	

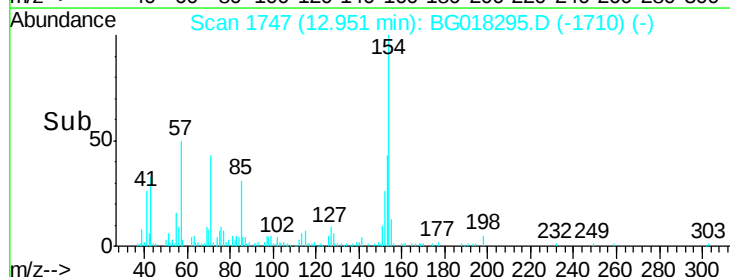
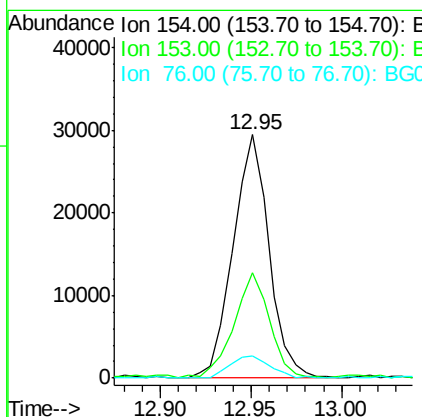
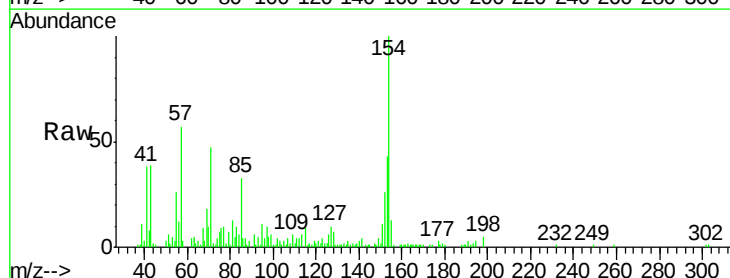
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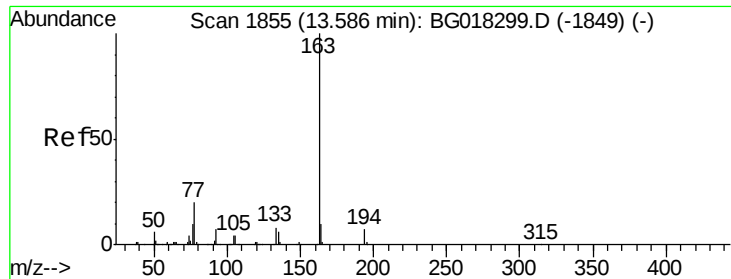
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#41
 1,1'-Biphenyl
 Concen: 5.24 ng/ul
 RT: 12.95 min Scan# 1747
 Delta R.T. 0.02 min
 Lab File: BG018295.D
 Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	43.0	33.4	50.0	
76	9.0	8.6	12.8	





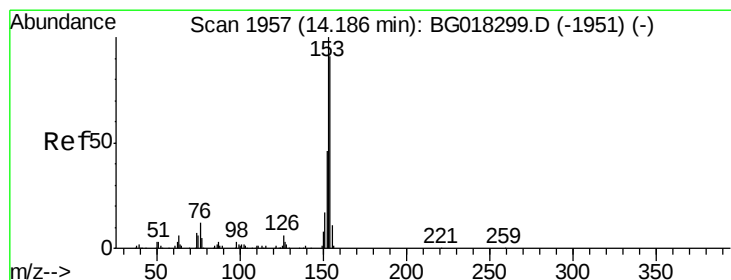
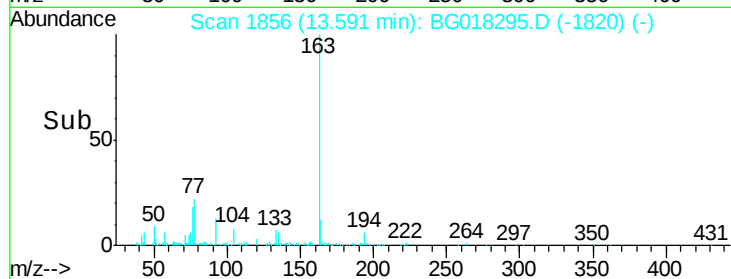
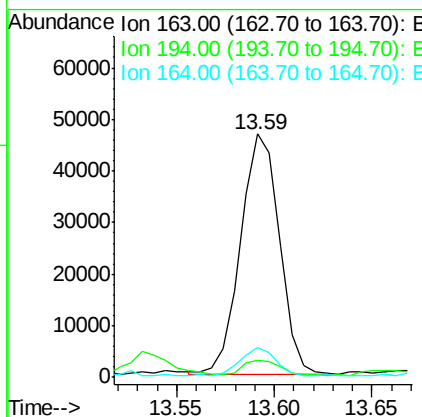
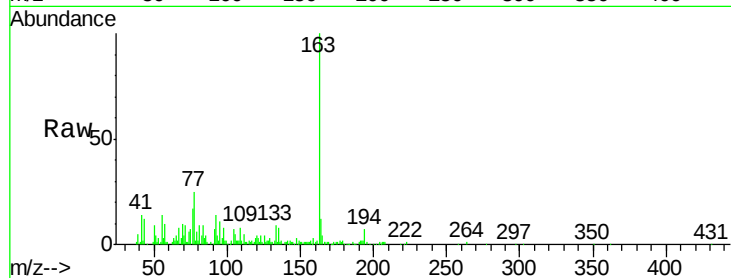
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Dimethylphthalate
Concen: 7.48 ng/ul
RT: 13.59 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Instrument :
BNA_G
ClientSampleId :
C01P8RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	64786		
194	6.9		5.4	8.2
164	12.4		7.8	11.8#

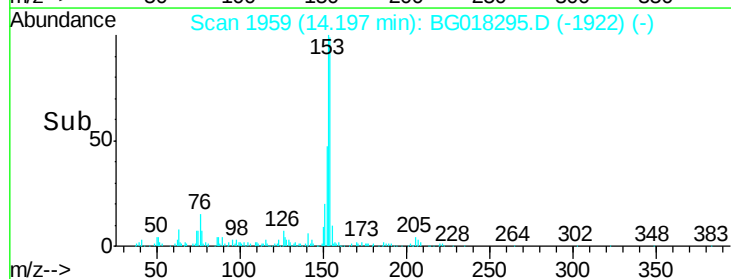
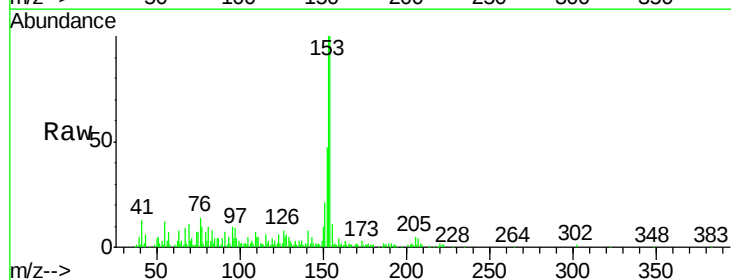
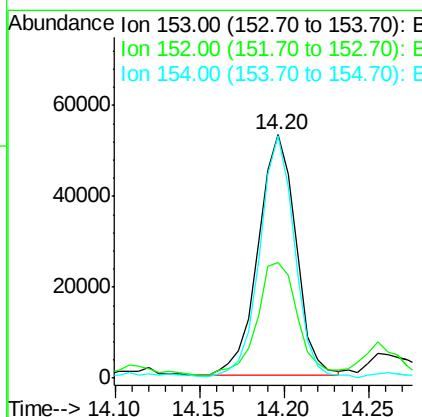
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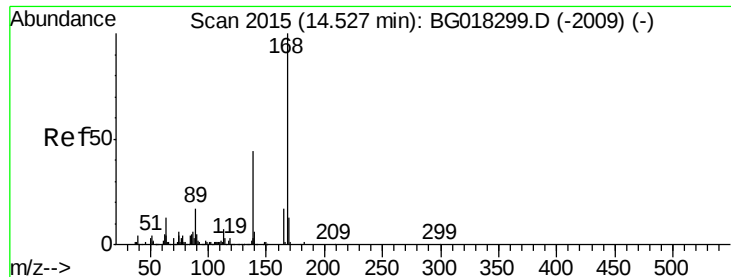
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#50
Acenaphthene
Concen: 12.53 ng/ul
RT: 14.20 min Scan# 1959
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	82203		
152	47.2		39.0	58.4
154	99.6		77.4	116.2





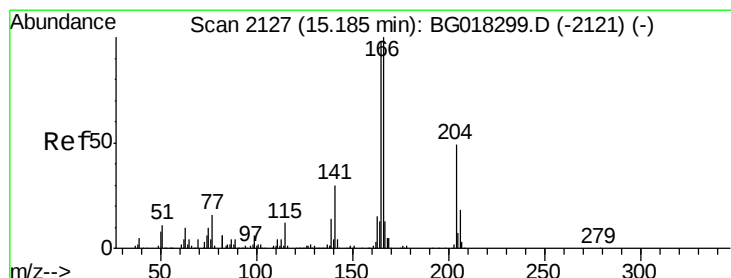
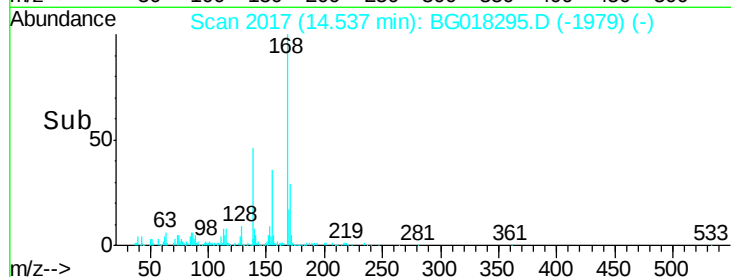
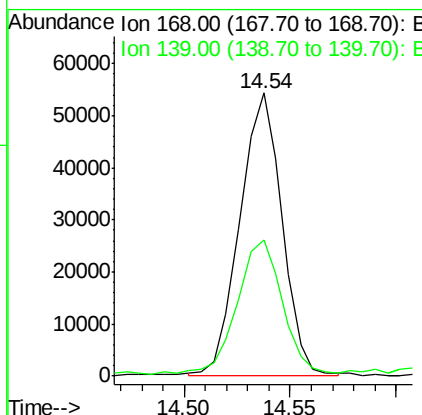
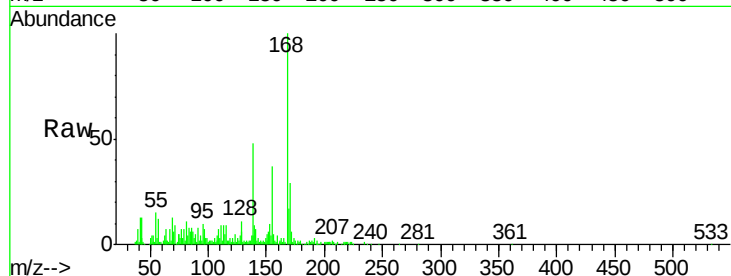
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Dibenzenofuran
Concen: 7.76 ng/ul
RT: 14.54 min Scan# 2017
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Instrument :
BNA_G
ClientSampleId :
C01P8RE

Tot Ion	Ratio	Lower	Upper
168	100		
139	47.9	37.1	55.7

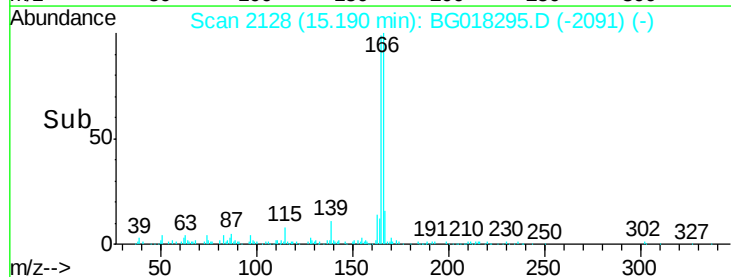
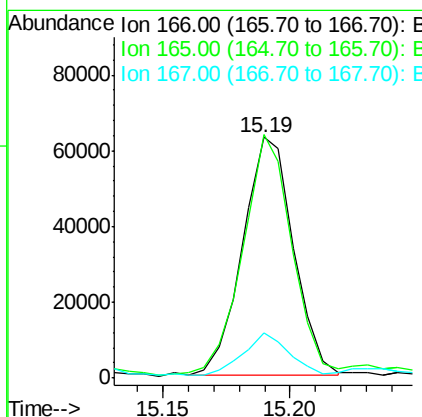
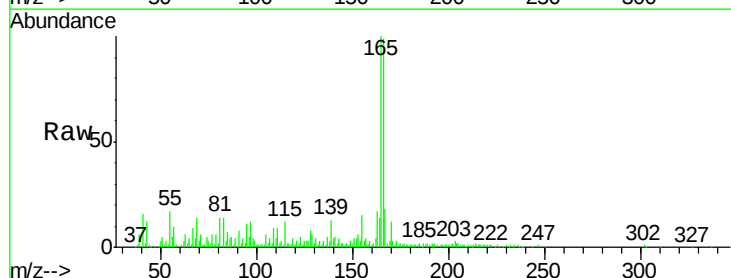
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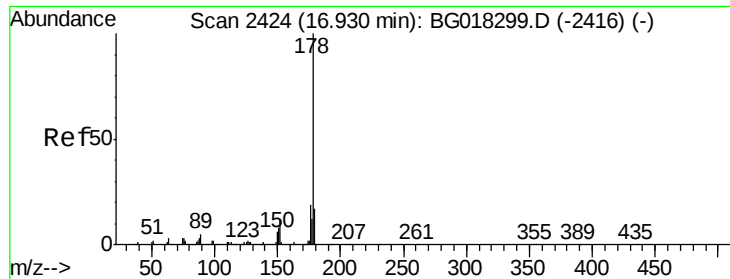
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#59
Fluorene
Concen: 10.40 ng/ul
RT: 15.19 min Scan# 2128
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	72.4	108.6
167	18.7	11.4	17.0#





#70

Phenanthrene

Concen: 51.22 ng/ul

RT: 16.95 min Scan# 2428

Delta R.T. 0.04 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

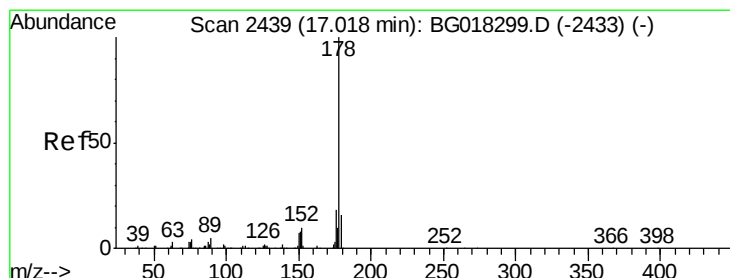
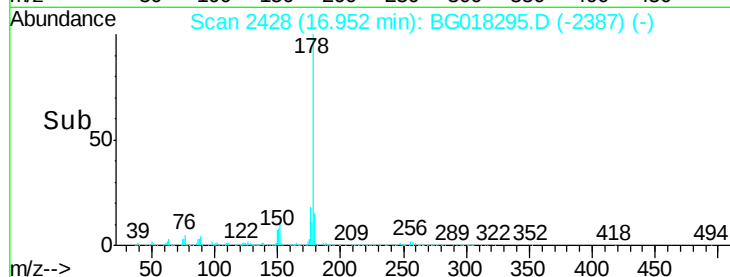
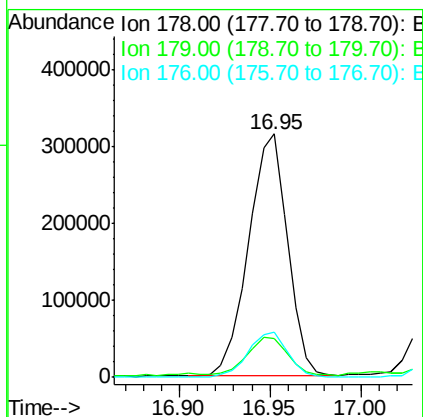
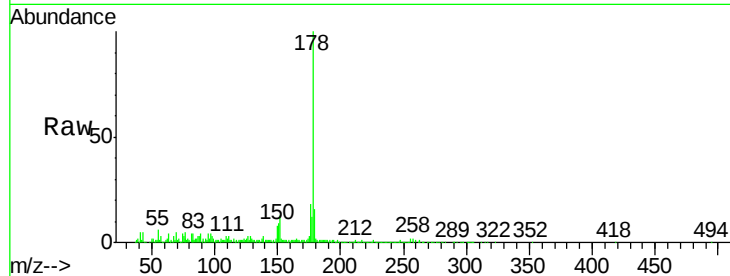
ClientSampleId :

C01P8RE

Tot Ion:	178	Resp:	470010
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.2	18.4
176	18.5	14.5	21.7

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#72

Anthracene

Concen: 13.64 ng/ul m

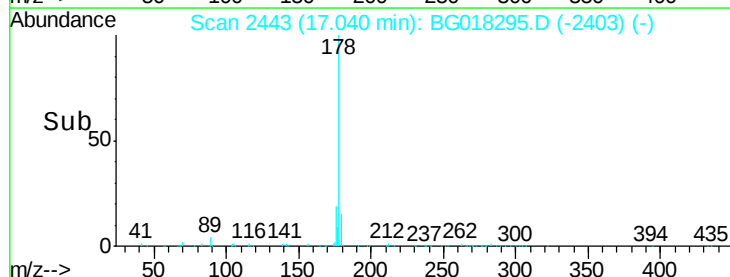
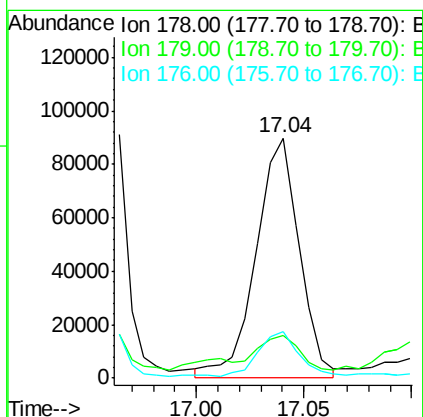
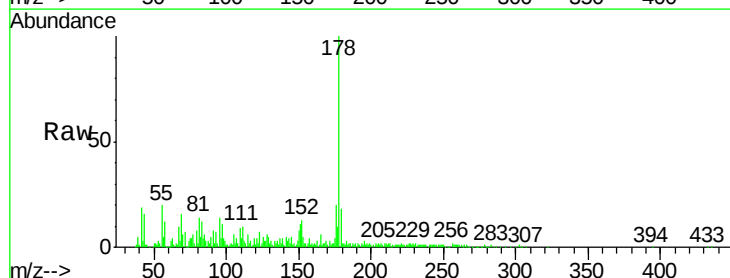
RT: 17.04 min Scan# 2443

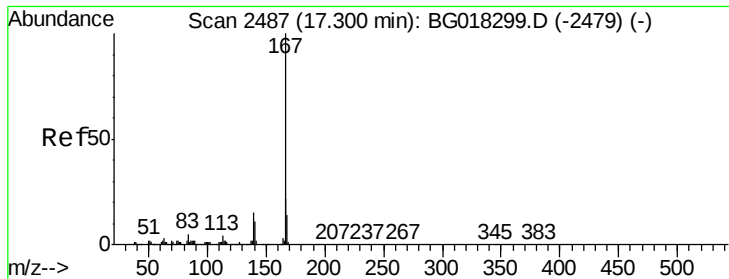
Delta R.T. 0.03 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Tgt Ion:	178	Resp:	124879
Ion Ratio	Lower	Upper	
178	100		
179	17.9	12.2	18.4
176	19.6	15.3	22.9





#75

Carbazole

Concen: 5.69 ng/ul m

RT: 17.32 min Scan# 2490

Delta R.T. 0.03 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

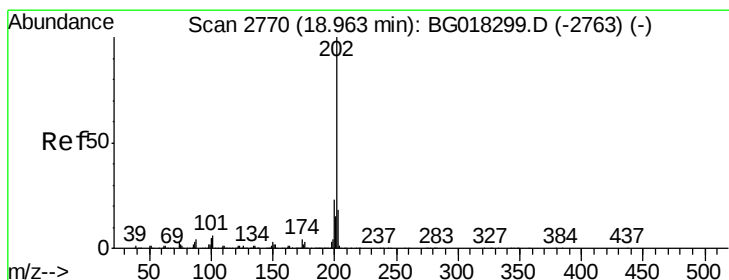
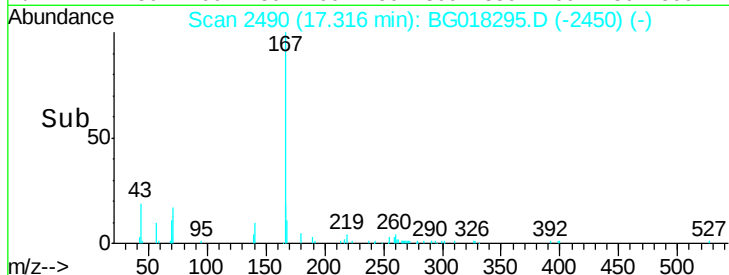
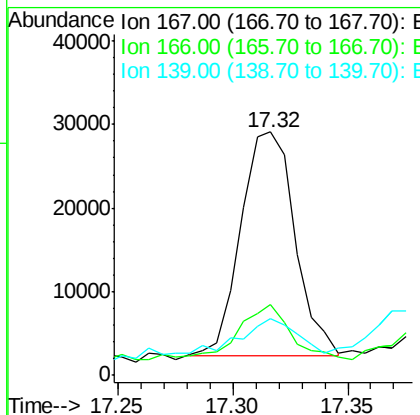
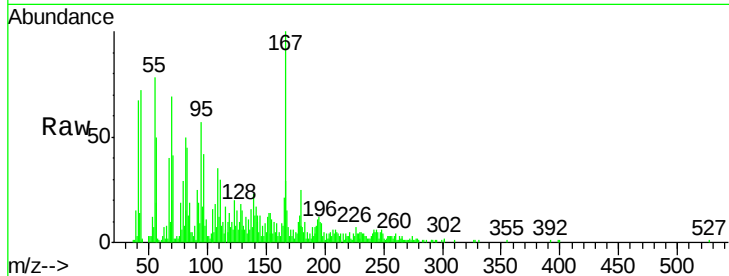
ClientSampleId :

C01P8RE

Tot Ion:	167	Resp:	43987
Ion Ratio	Lower	Upper	
167	100		
166	29.3	17.8	26.8#
139	23.4	10.6	16.0#

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#77

Fluoranthene

Concen: 57.71 ng/ul m

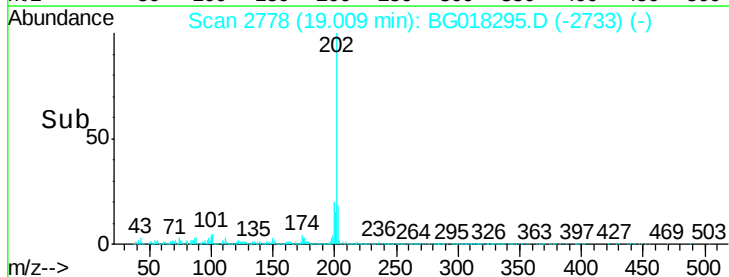
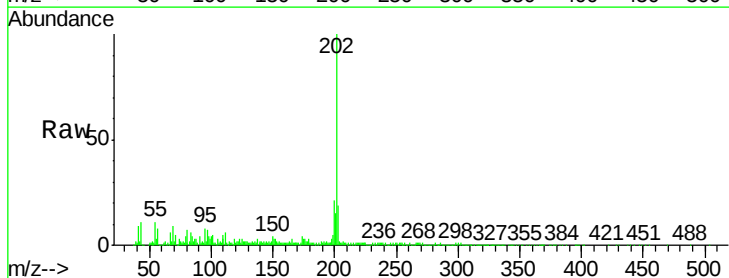
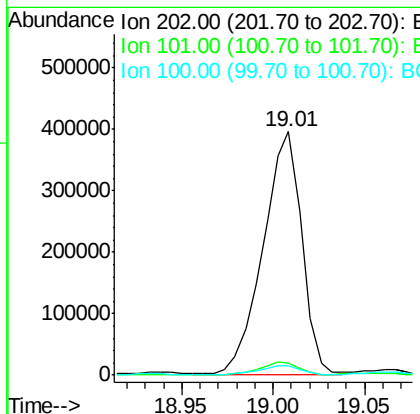
RT: 19.01 min Scan# 2778

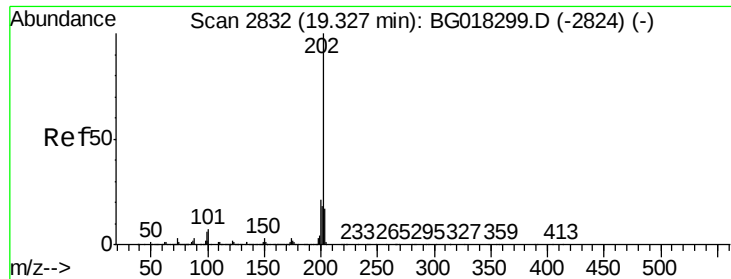
Delta R.T. 0.06 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Tgt Ion:	202	Resp:	587303
Ion Ratio	Lower	Upper	
202	100		
101	5.1	6.2	9.2#
100	3.9	4.6	6.8#





#80

Pvrene

Concen: 23.62 ng/ul m

RT: 19.37 min Scan# 2840

Delta R.T. 0.06 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

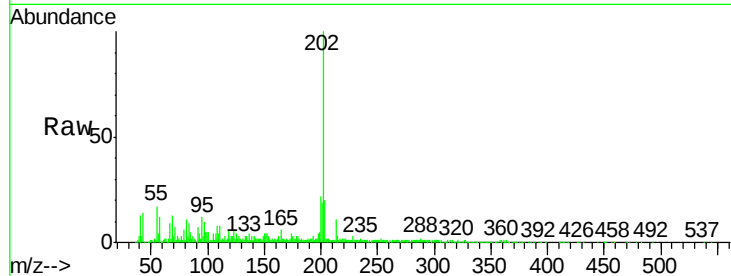
ClientSampleId :

C01P8RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	5.5	6.2	9.2#
100	5.1	4.6	7.0

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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): E

19.37

400000

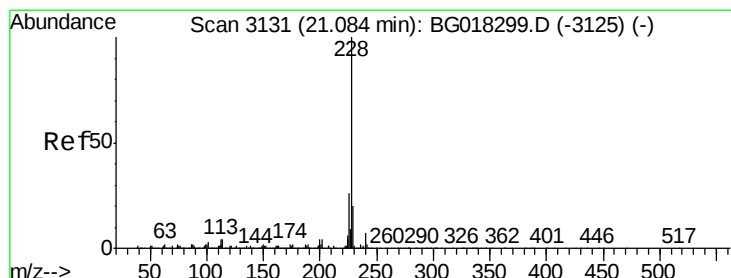
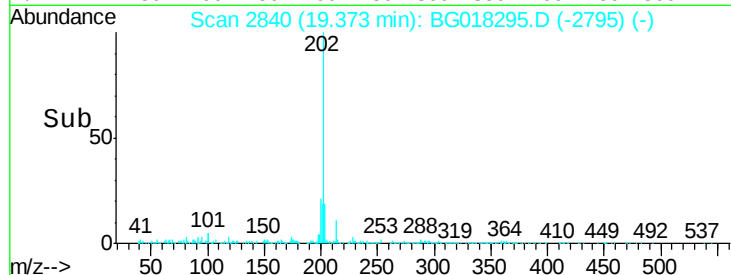
300000

200000

100000

0

Time-->



#83

Benzo(a)anthracene

Concen: 25.91 ng/ul m

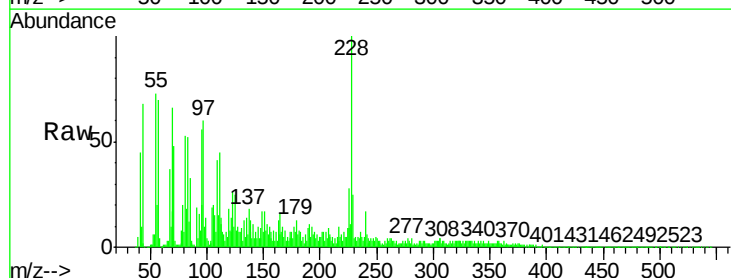
RT: 21.12 min Scan# 3137

Delta R.T. 0.05 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	24.9	16.3	24.5#
226	28.3	21.2	31.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

21.12

400000

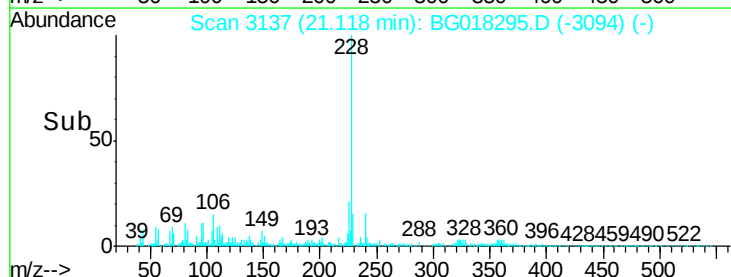
300000

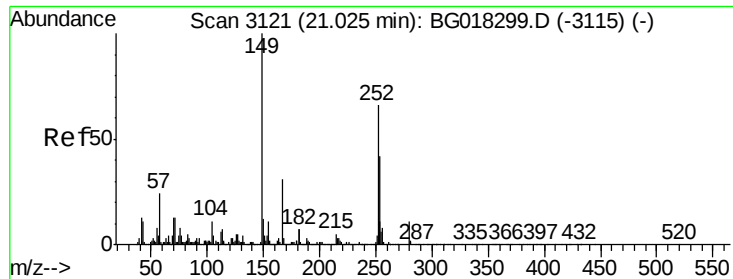
200000

100000

0

Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 260.28 ng/ul m

RT: 21.06 min Scan# 3127

Delta R.T. 0.05 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

ClientSampled :

C01P8RE

Tot Ion:149 Resp: 3123353

Ion Ratio Lower Upper

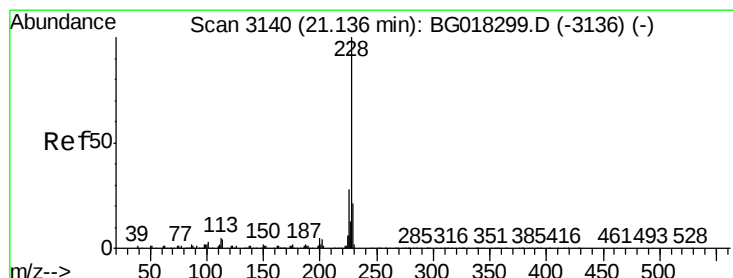
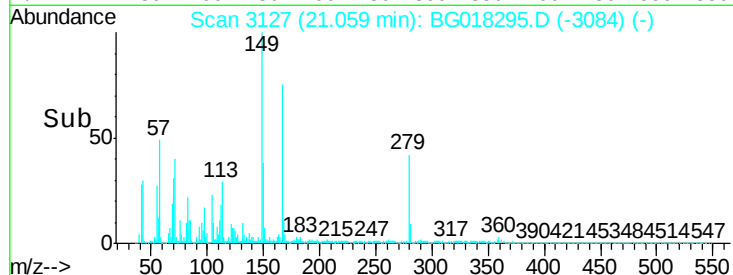
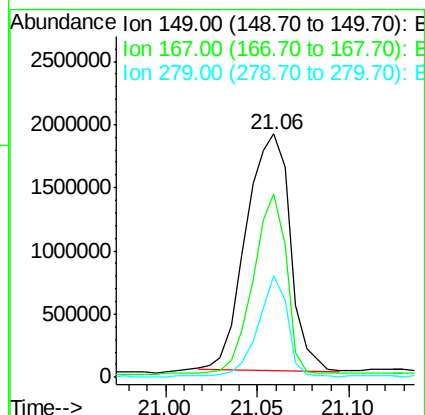
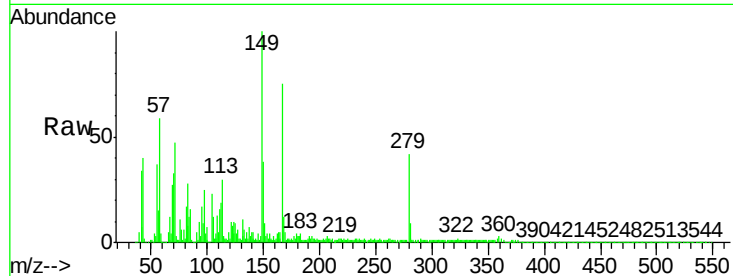
149 100

167 75.2 26.4 39.6#

279 41.8 8.6 12.8#

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#85

Chrysene

Concen: 29.24 ng/ul m

RT: 21.12 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

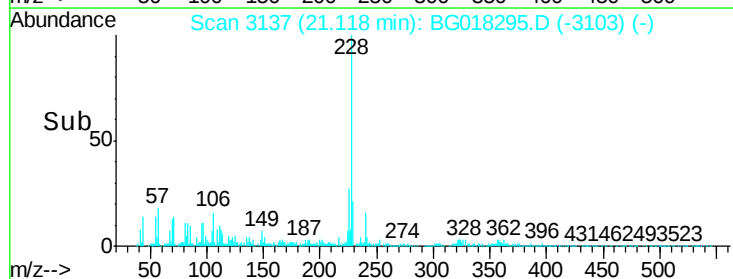
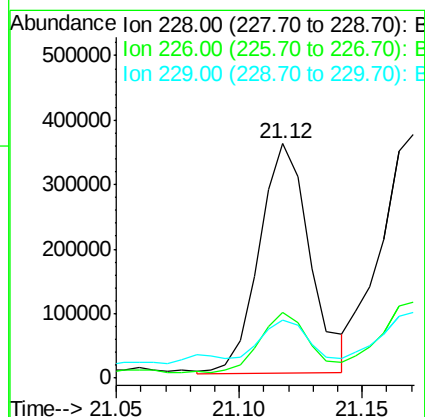
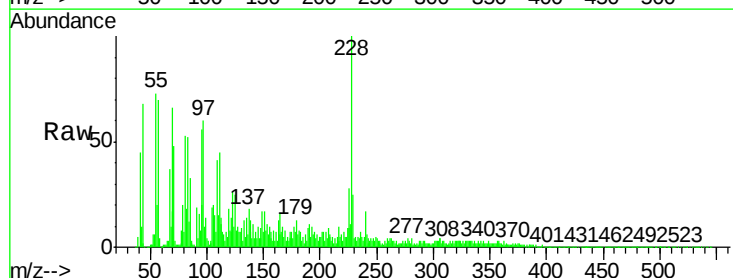
Tgt Ion:228 Resp: 512815

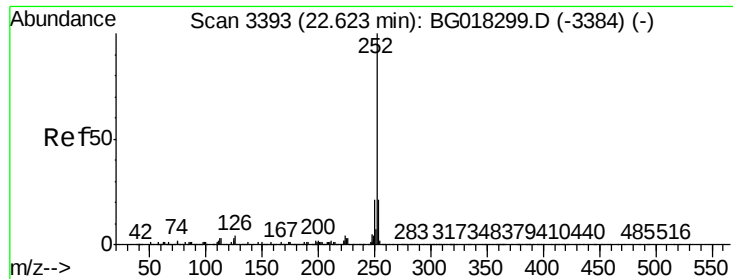
Ion Ratio Lower Upper

228 100

226 28.3 23.0 34.6

229 24.9 15.9 23.9#





#88

Benzo(b)fluoranthene

Concen: 47.61 ng/ul m

RT: 22.69 min Scan# 3405

Delta R.T. 0.10 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Instrument :

BNA_G

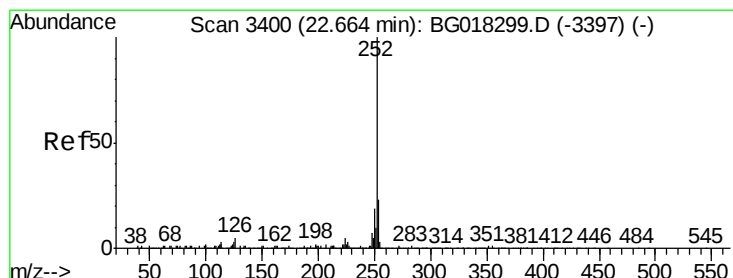
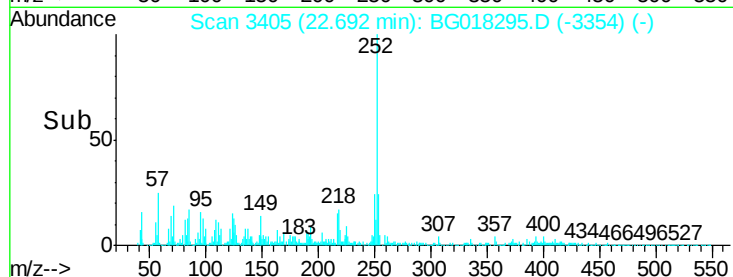
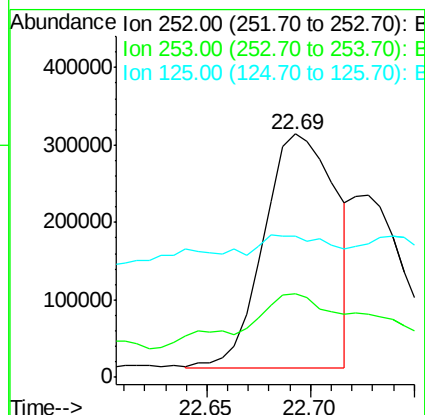
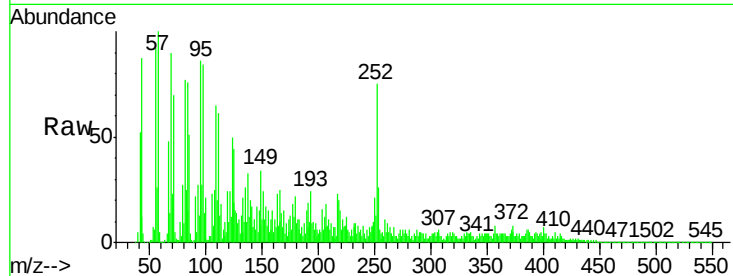
ClientSampleId :

C01P8RE

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	34.2	18.1	27.1#	
125	58.0	3.1	4.7#	

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#89

Benzo(k)fluoranthene

Concen: 30.55 ng/ul m

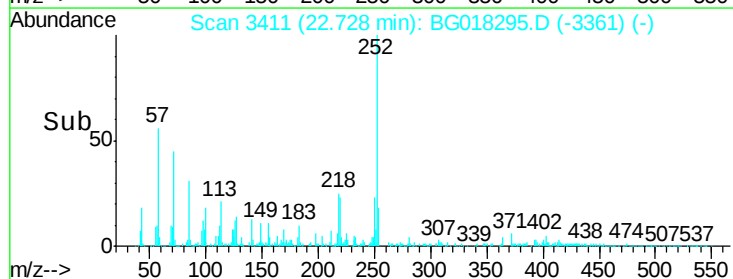
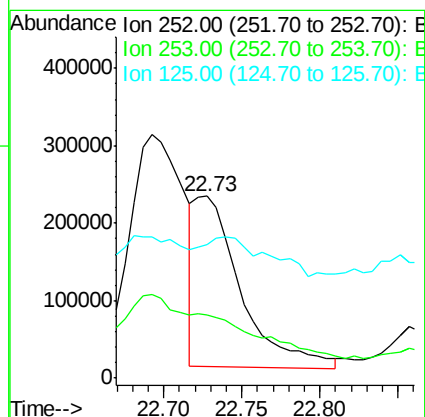
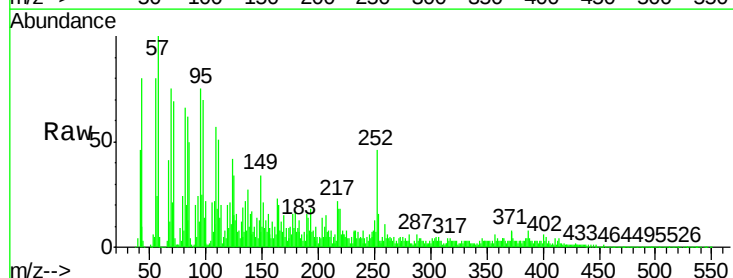
RT: 22.73 min Scan# 3411

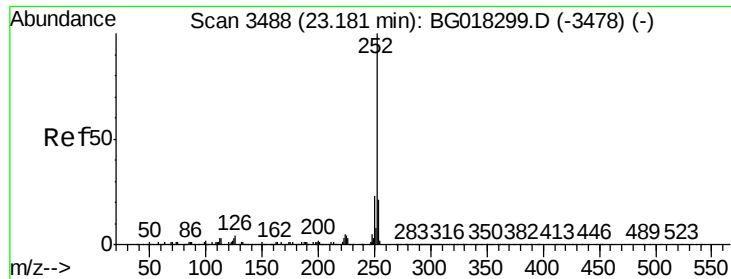
Delta R.T. 0.09 min

Lab File: BG018295.D

Acq: 6 Aug 2015 5:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	34.8	16.4	24.6#	
125	73.3	3.4	5.2#	





#91
Benzo(a)pyrene
Concen: 25.18 ng/ul m
RT: 23.17 min Scan# 3486
Delta R.T. 0.02 min
Lab File: BG018295.D
Acq: 6 Aug 2015 5:36

Instrument :
BNA_G
ClientSampleId :
C01P8RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.0	18.9	28.3#
125	92.0	3.2	4.8#

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