

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080515\
 Data File : BG018293.D
 Acq On : 6 Aug 2015 4:26
 Operator : UM/TP
 Sample : G3109-04RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P5RE

Manual Integrations
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 8/10/2015 9:25:09 AM

Quant Time: Aug 14 03:16:21 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	7.44	152	72357	20.00	ng/ul	0.01
18) Naphthalene-d8	10.23	136	313499	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.13	164	186804	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.89	188	314558	20.00	ng/ul	0.02
78) Chrysene-d12	21.12	240	286251	20.00	ng/ul	0.03
86) Perylene-d12	23.31	264	271662	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	1166	1.39	ng/uL	0.00
5) Phenol-d5	6.65	99	67591	11.88	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.78	67	34001	12.36	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	58828	12.42	ng/ul	0.01
13) 4-Methylphenol-d8	8.18	113	39174	8.15	ng/ul	0.01
19) Nitrobenzene-d5	8.60	128	32145	13.24	ng/ul	0.01
22) 2-Nitrophenol-d4	9.32	143	37068	13.20	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.87	165	60157	11.65	ng/ul	0.02
29) 4-Chloroaniline-d4	10.38	131	7668	1.24	ng/ul	0.02
44) Dimethylphthalate-d6	13.55	166	187639	12.99	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	212829	12.99	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	21614	9.07	ng/ul	0.03
58) Fluorene-d10	15.13	176	151458	11.67	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.29	200	3548	1.63	ng/ul	0.03
71) Anthracene-d10	16.99	188	177245	12.81	ng/ul	0.02
79) Pyrene-d10	19.31	212	124924	7.80	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.17	264	178038	12.60	ng/ul	0.06

Target Compounds

					Qvalue	
28) Naphthalene	10.27	128	24699	1.68	ng/ul#	94
34) 2-Methylnaphthalene	11.91	142	15923	1.35	ng/ul	99
45) Dimethylphthalate	13.59	163	71978	4.99	ng/ul#	96
50) Acenaphthene	14.19	153	56646	5.19	ng/ul	96
54) Dibenzofuran	14.53	168	39587	2.46	ng/ul	95
59) Fluorene	15.18	166	67352	4.77	ng/ul	94
70) Phenanthrene	16.94	178	1505232m	94.82	ng/ul	
72) Anthracene	17.02	178	362723	22.90	ng/ul	99
75) Carbazole	17.31	167	69776	5.22	ng/ul	95
76) Di-n-butylphthalate	17.87	149	306315	16.34	ng/ul	99
77) Fluoranthene	18.99	202	2304174	130.86	ng/ul#	97
80) Pyrene	19.35	202	1865008	93.70	ng/ul	99
83) Benzo(a)anthracene	21.11	228	1190597	78.80	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.03	149	133541	14.37	ng/ul	96
85) Chrysene	21.16	228	1082006m	79.70	ng/ul	
88) Benzo(b)fluoranthene	22.66	252	1608959	96.57	ng/ul#	95
89) Benzo(k)fluoranthene	22.70	252	549830m	34.41	ng/ul	
91) Benzo(a)pyrene	23.22	252	1013311	69.66	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.53	276	404924	22.50	ng/ul	99
93) Dibenzo(a,h)anthracene	25.53	278	98951	6.27	ng/ul#	91
94) Benzo(g,h,i)perylene	26.21	276	320642m	21.95	ng/ul	

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

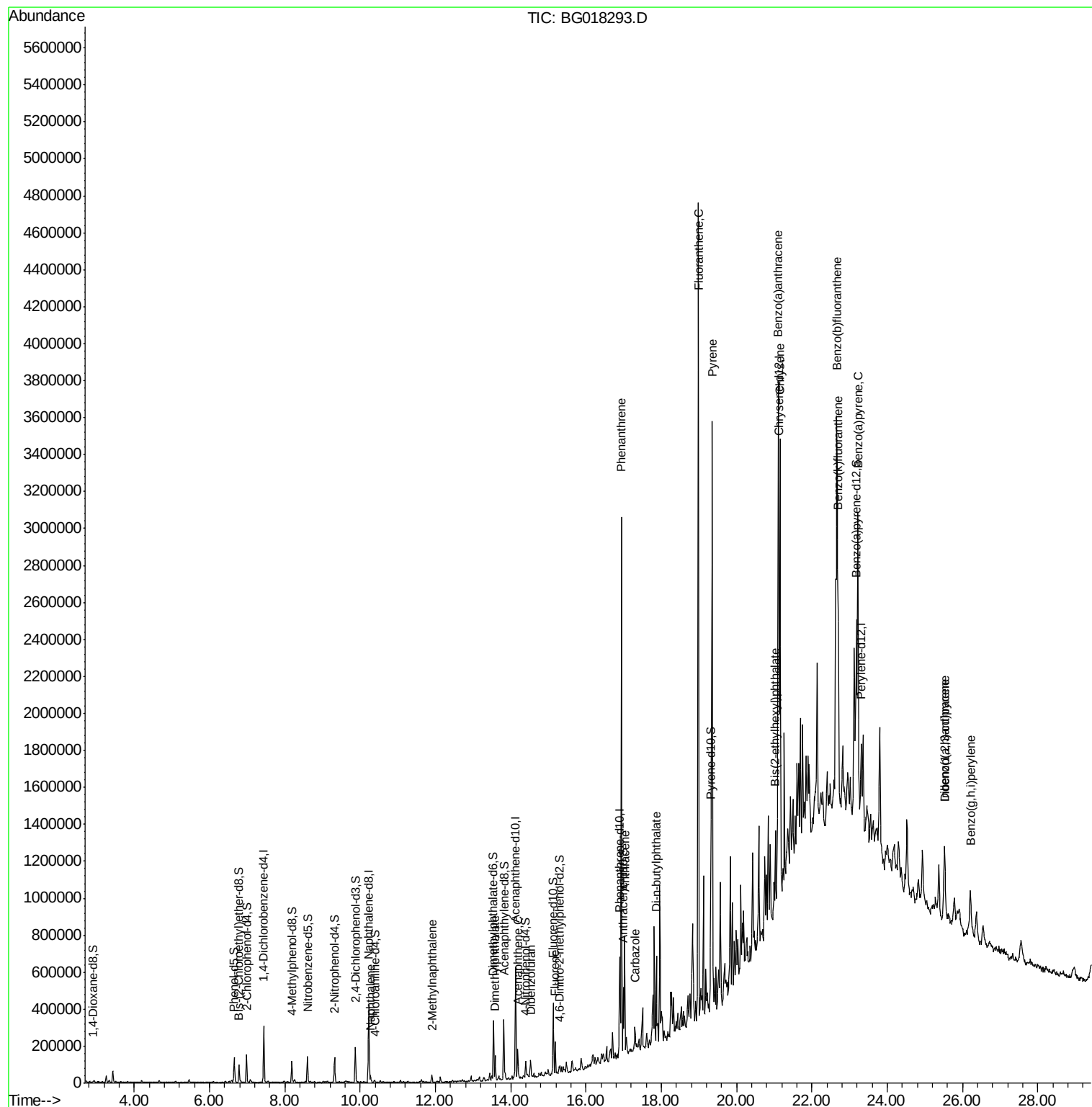
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080515\
Data File : BG018293.D
Acq On : 6 Aug 2015 4:26
Operator : UM/TP
Sample : G3109-04RE
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ALS Vial : 22 Sample Multiplier: 1

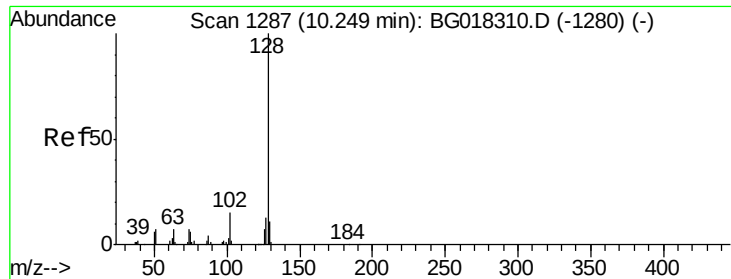
Instrument :
BNA_G
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C01P5RE

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#28

Naphthalene

Concen: 1.68 ng/ul

RT: 10.27 min Scan# 1291

Delta R.T. 0.01 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

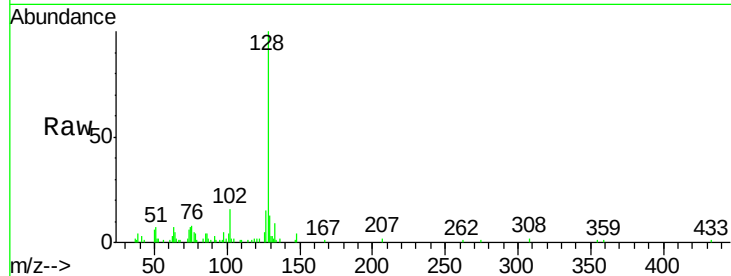
ClientSampleId :

C01P5RE

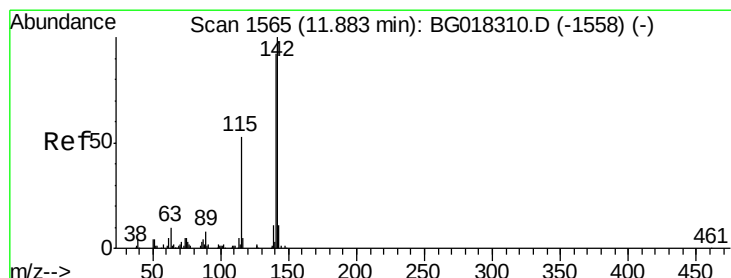
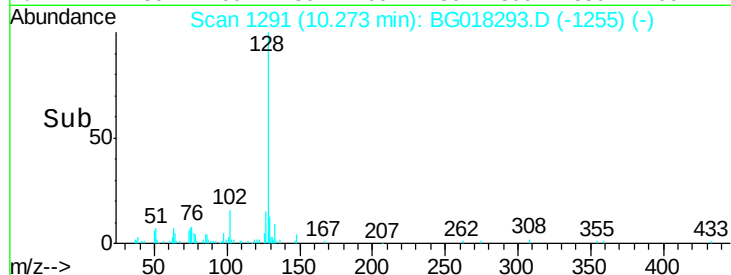
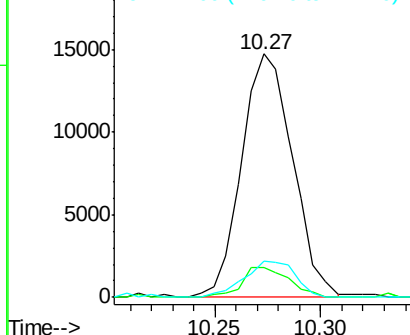
Tgt Ion:	128	Resp:	24699
Ion Ratio	Lower	Upper	
128	100		
129	12.5	7.8	11.6#
127	14.7	10.2	15.4

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.35 ng/ul

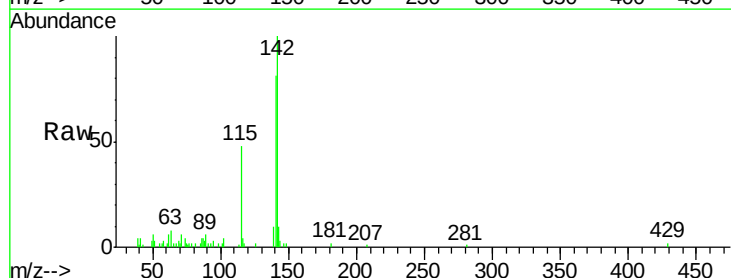
RT: 11.91 min Scan# 1569

Delta R.T. 0.01 min

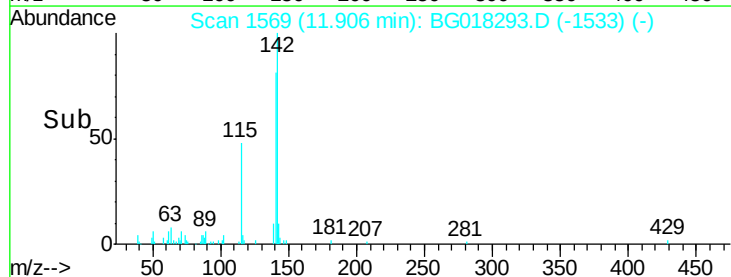
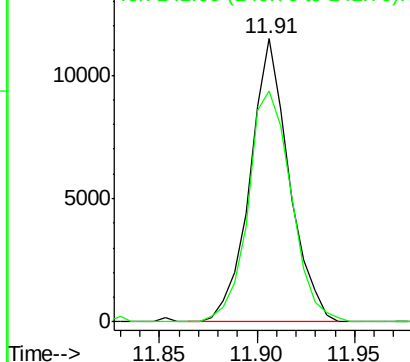
Lab File: BG018293.D

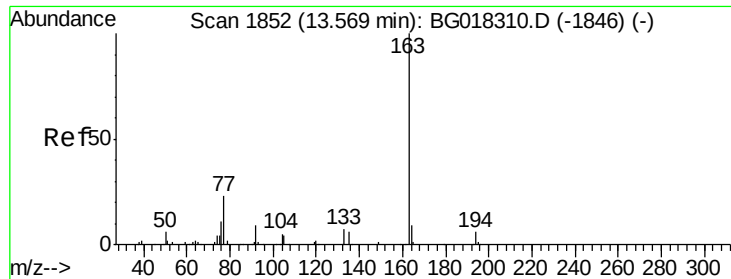
Acq: 6 Aug 2015 4:26

Tgt Ion:	142	Resp:	15923
Ion Ratio	Lower	Upper	
142	100		
141	81.4	65.9	98.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





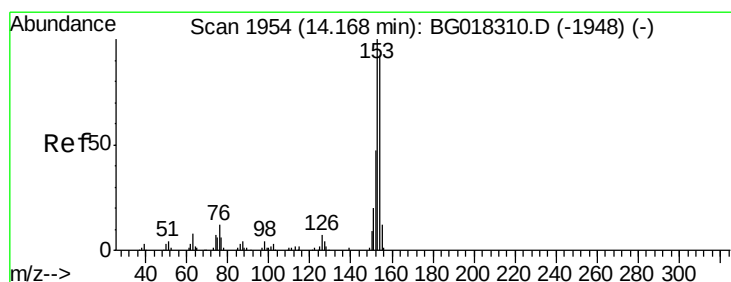
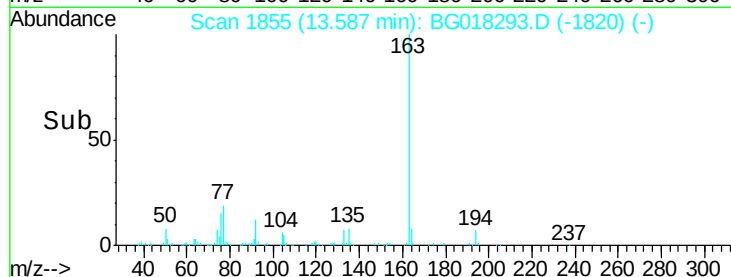
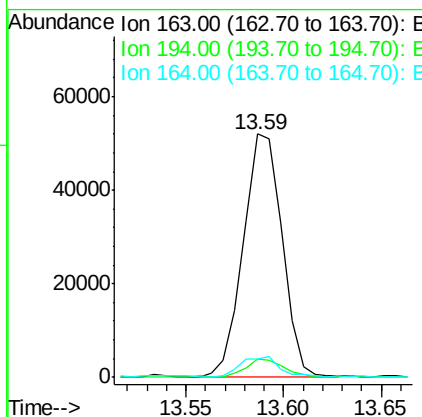
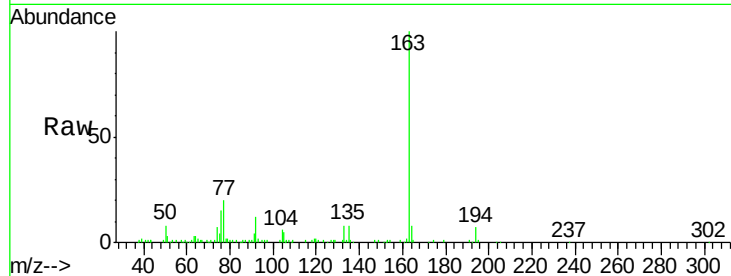
#45
Dimethylphthalate
Concen: 4.99 ng/ul
RT: 13.59 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Instrument :
BNA_G
ClientSampleId :
C01P5RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	7.4	5.4	8.2
164	7.7	7.8	11.8#

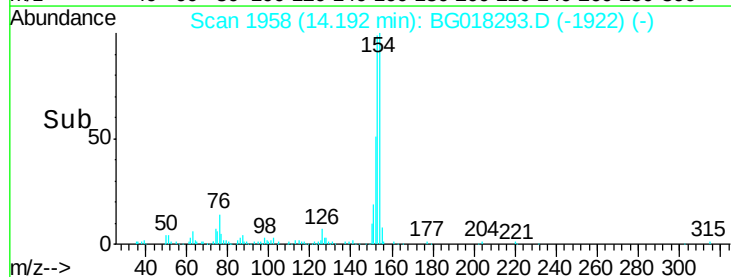
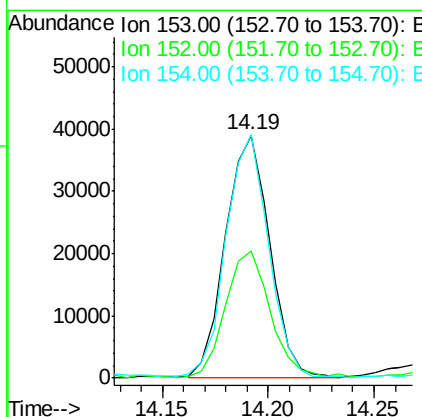
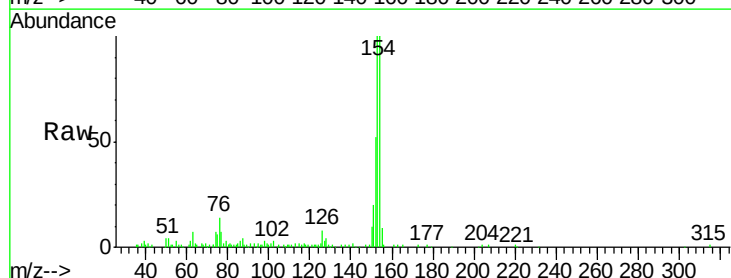
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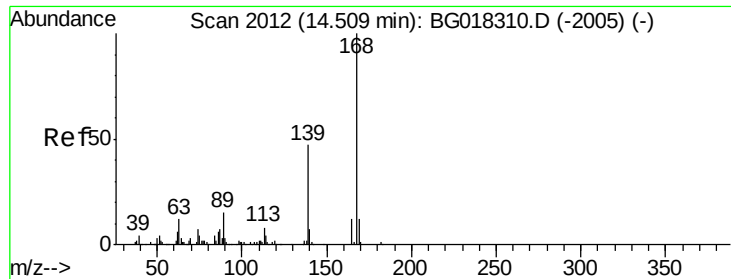
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#50
Acenaphthene
Concen: 5.19 ng/ul
RT: 14.19 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
153	100		
152	52.5	39.0	58.4
154	100.3	77.4	116.2





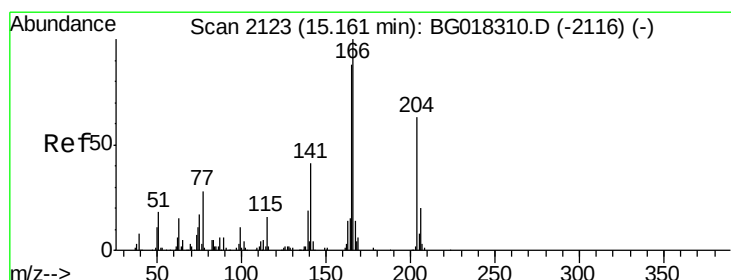
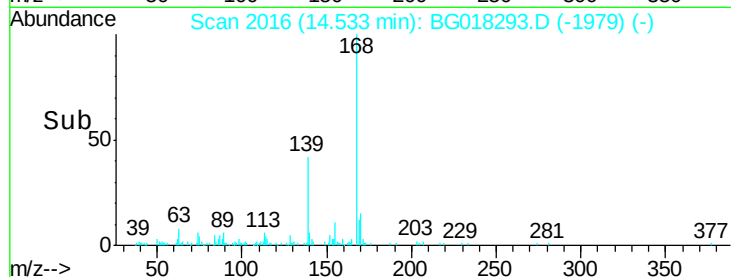
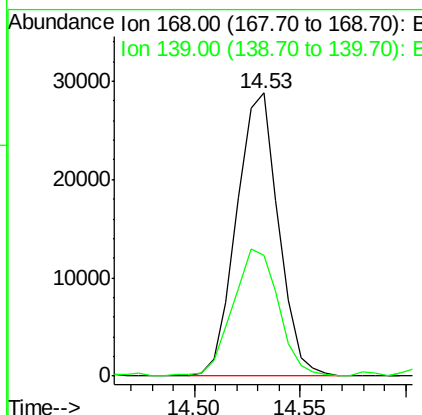
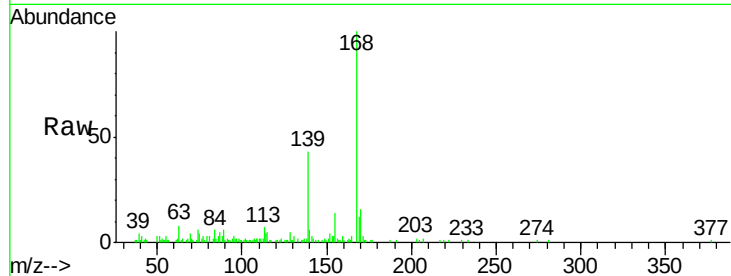
#54
Dibenzenofuran
Concen: 2.46 ng/ul
RT: 14.53 min Scan# 2016
Delta R.T. 0.02 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Instrument :
BNA_G
ClientSampleId :
C01P5RE

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	39587		
139	42.9	37.1	55.7	

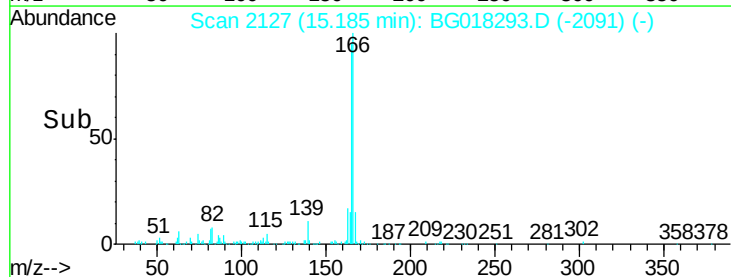
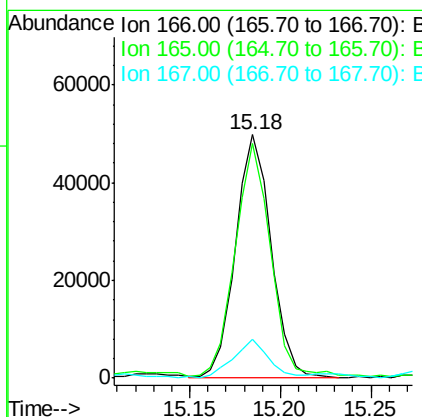
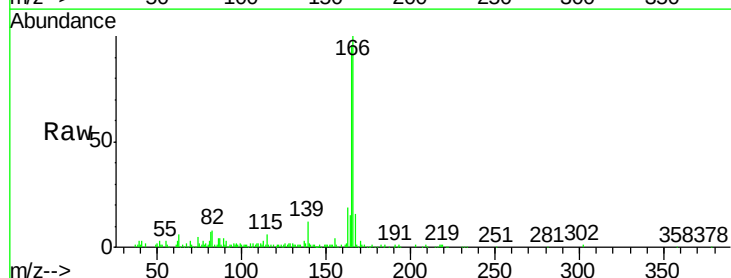
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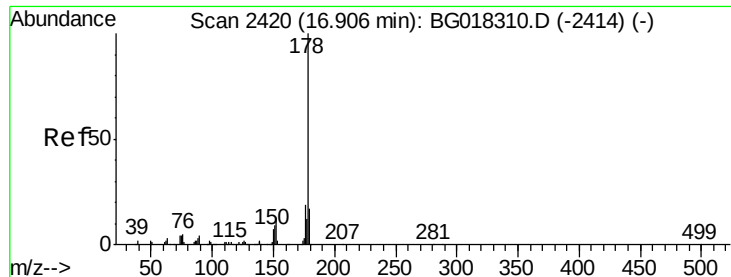
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#59
Fluorene
Concen: 4.77 ng/ul
RT: 15.18 min Scan# 2127
Delta R.T. 0.01 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	67352		
165	96.2	72.4	108.6	
167	16.1	11.4	17.0	





#70

Phenanthrene

Concen: 94.82 ng/ul m

RT: 16.94 min Scan# 2426

Delta R.T. 0.03 min

Lab File: BG018293.D

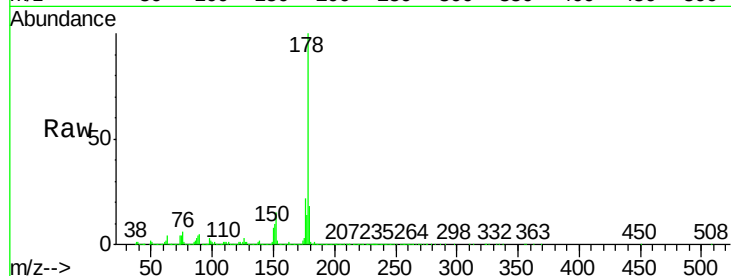
Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampled :

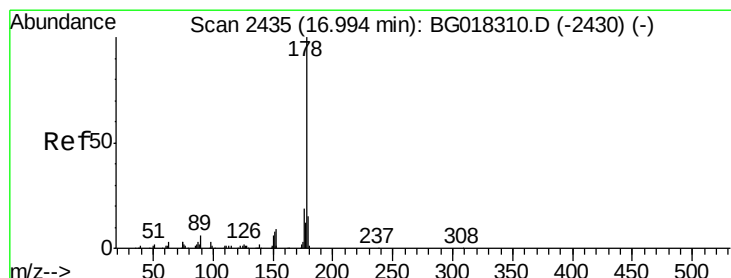
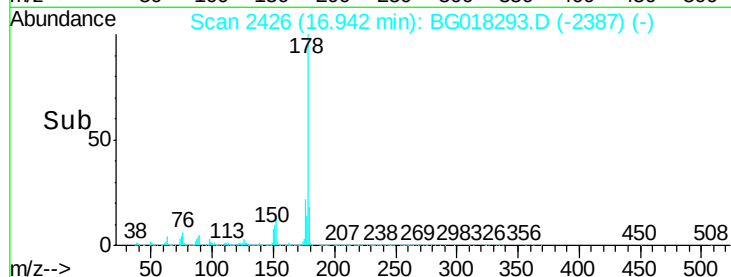
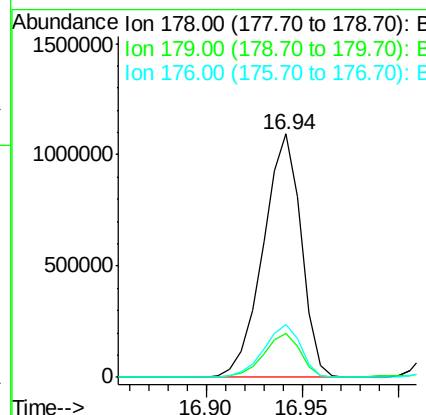
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.2	18.4
176	22.0	14.5	21.7#

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#72

Anthracene

Concen: 22.90 ng/ul

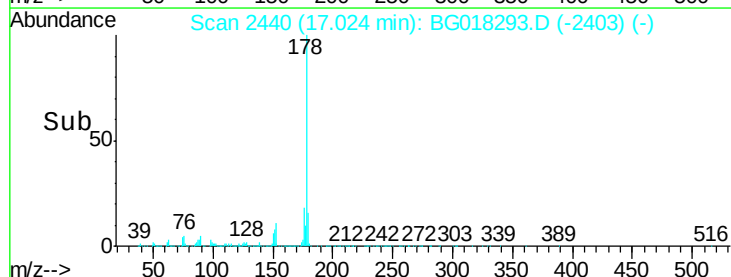
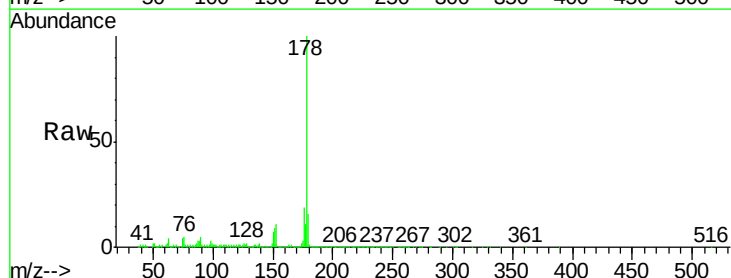
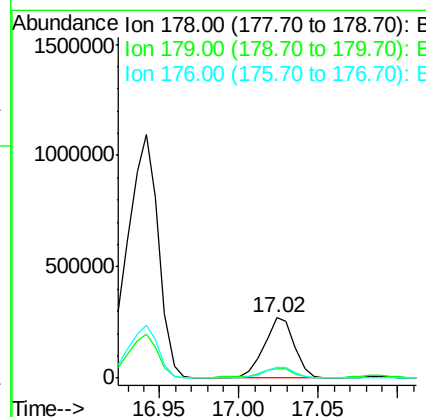
RT: 17.02 min Scan# 2440

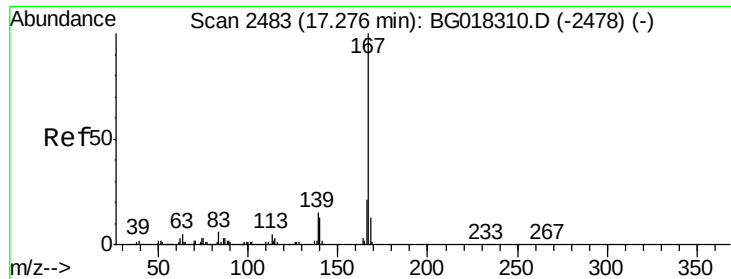
Delta R.T. 0.02 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	18.6	15.3	22.9





#75

Carbazole

Concen: 5.22 ng/ul

RT: 17.31 min Scan# 2488

Delta R.T. 0.02 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

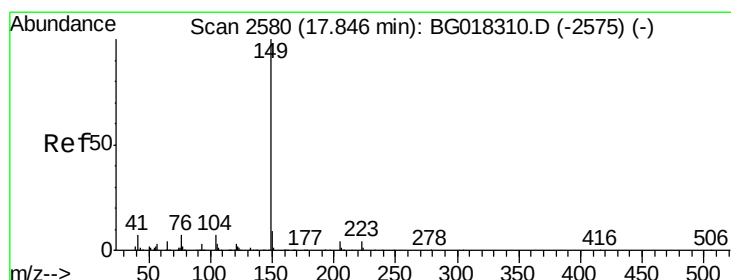
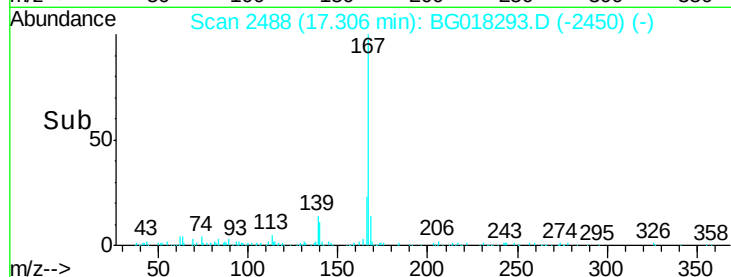
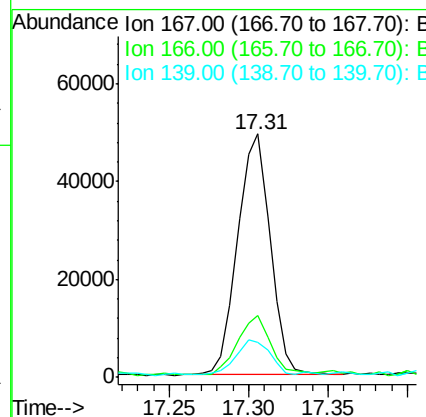
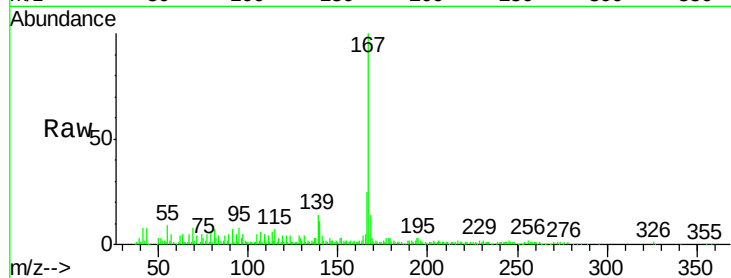
ClientSampleId :

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Tgt Ion:	167	Resp:	69776
Ion Ratio	Lower	Upper	
167	100		
166	25.3	17.8	26.8
139	14.4	10.6	16.0

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#76

Di-n-butylphthalate

Concen: 16.34 ng/ul

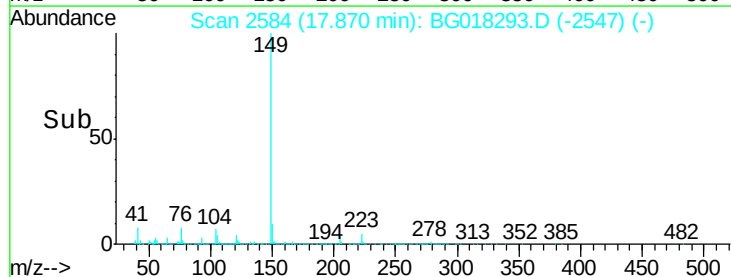
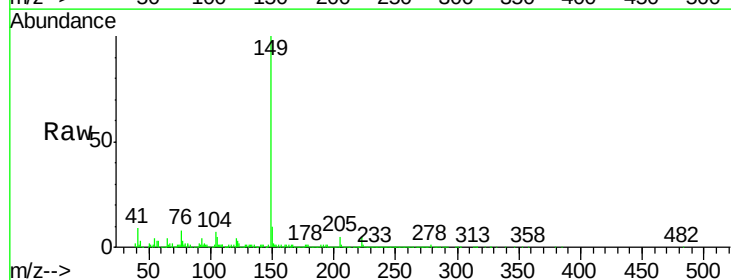
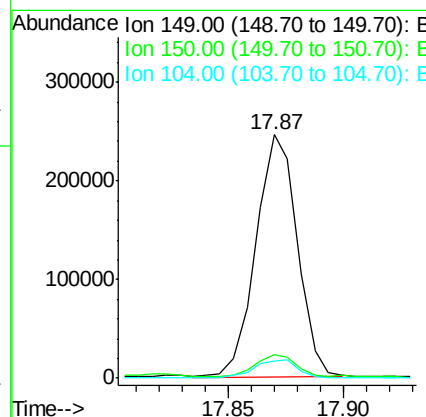
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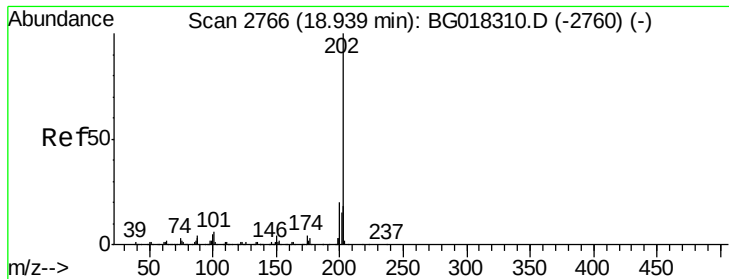
Delta R.T. 0.02 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Tgt Ion:	149	Resp:	306315
Ion Ratio	Lower	Upper	
149	100		
150	9.9	7.4	11.2
104	7.1	5.5	8.3





#77

Fluoranthene

Concen: 130.86 ng/ul

RT: 18.99 min Scan# 2774

Delta R.T. 0.04 min

Lab File: BG018293.D

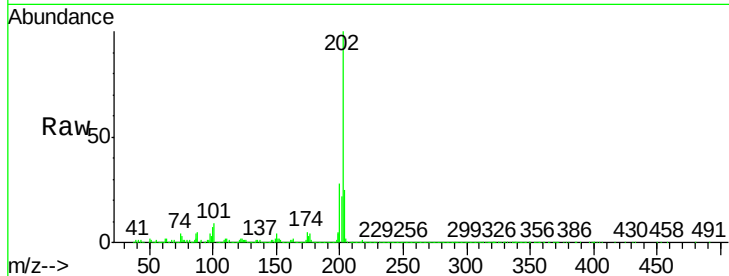
Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

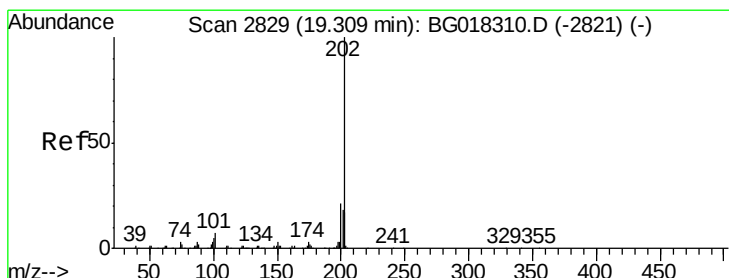
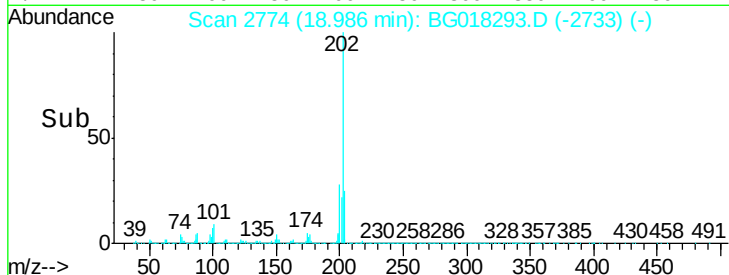
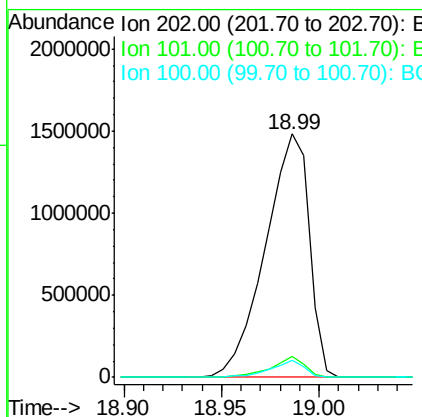
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.2	9.2
100	7.0	4.6	6.8

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#80

Pyrene

Concen: 93.70 ng/ul

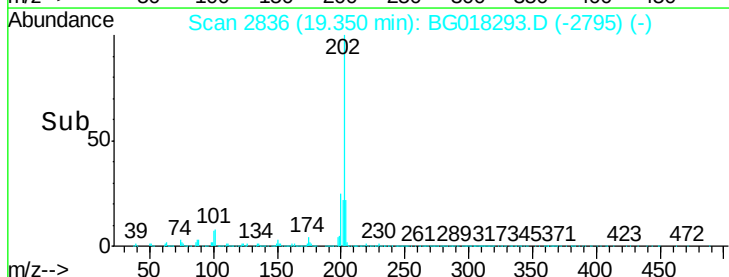
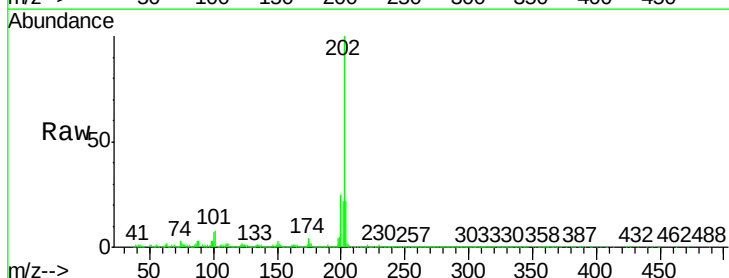
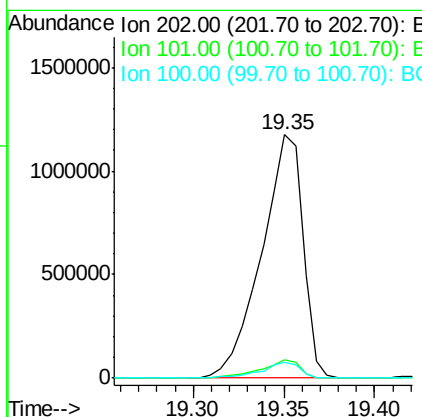
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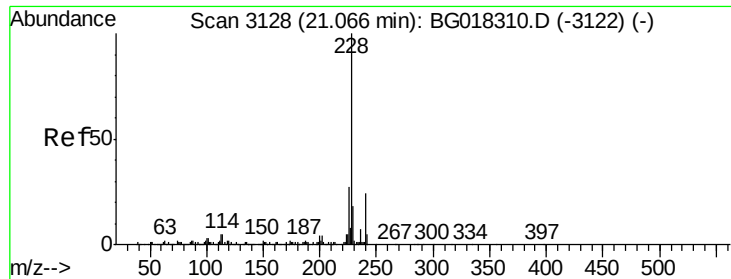
Delta R.T. 0.04 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.2
100	6.7	4.6	7.0





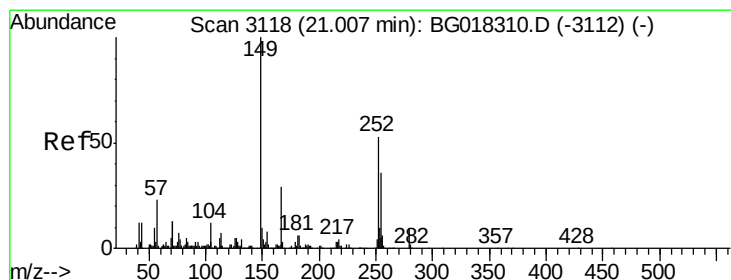
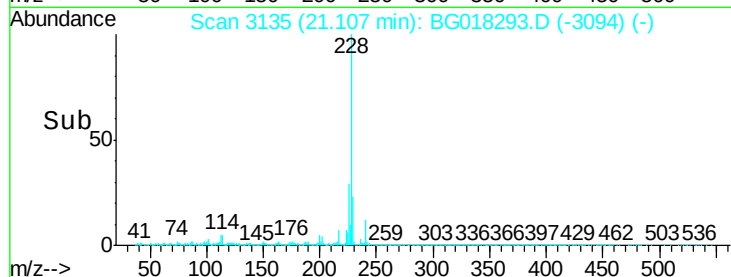
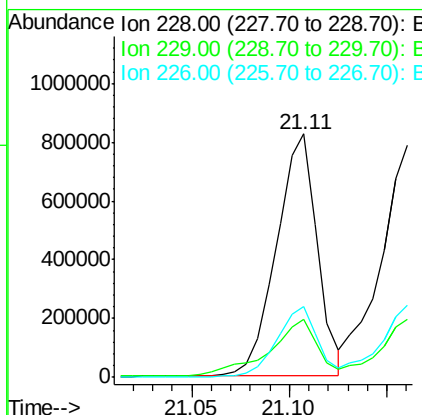
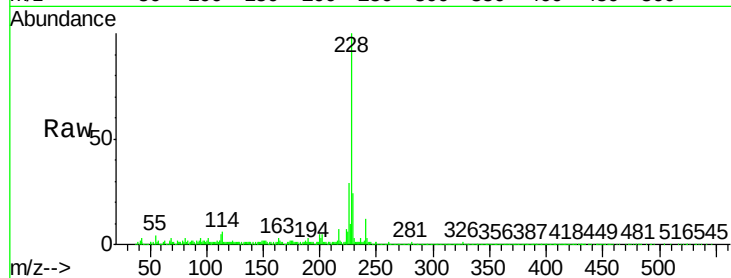
#83
Benzo(a)anthracene
Concen: 78.80 ng/ul
RT: 21.11 min Scan# 3135
Delta R.T. 0.04 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Instrument :
BNA_G
ClientSampleId :
C01P5RE

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.8	16.3	24.5
226	28.9	21.2	31.8

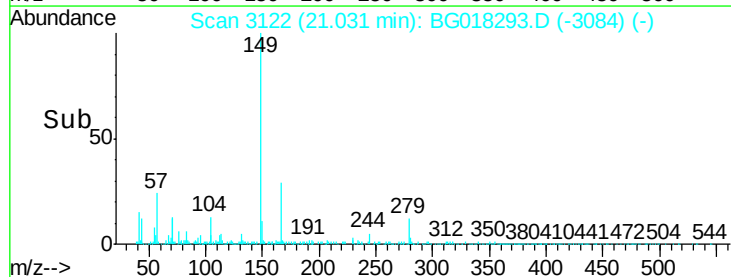
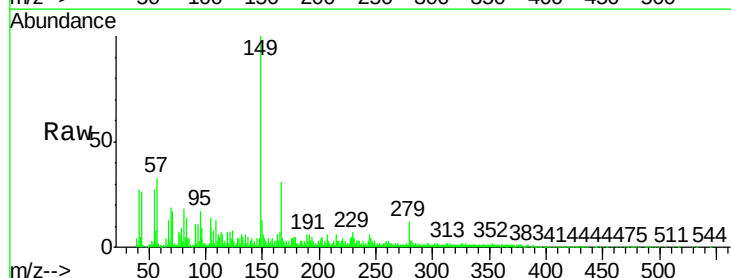
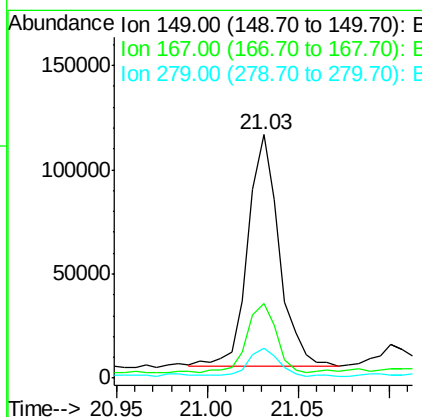
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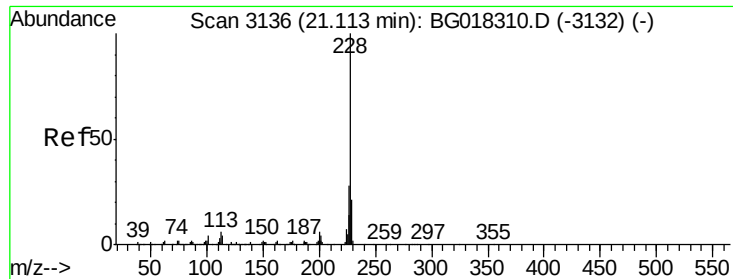
apatel
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#84
Bis(2-ethylhexyl)phthalate
Concen: 14.37 ng/ul
RT: 21.03 min Scan# 3122
Delta R.T. 0.02 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.9	26.4	39.6
279	12.4	8.6	12.8





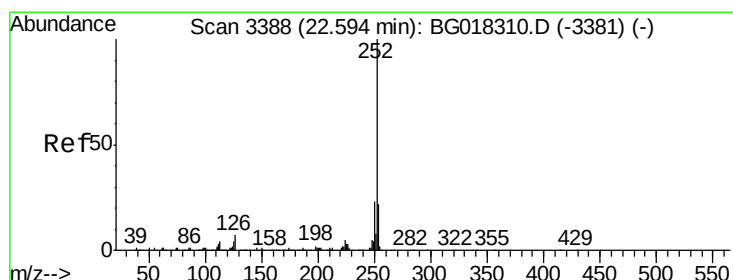
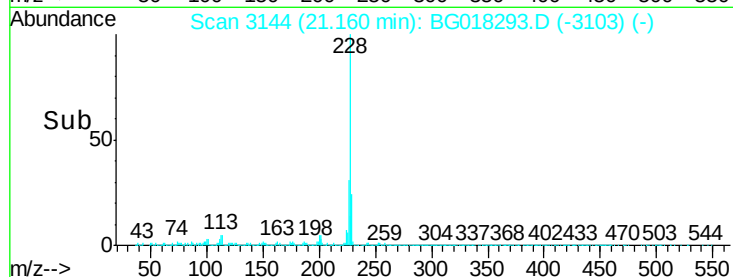
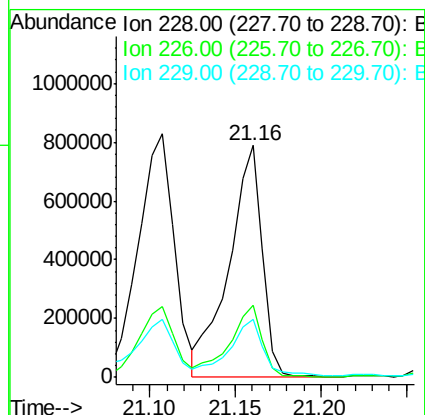
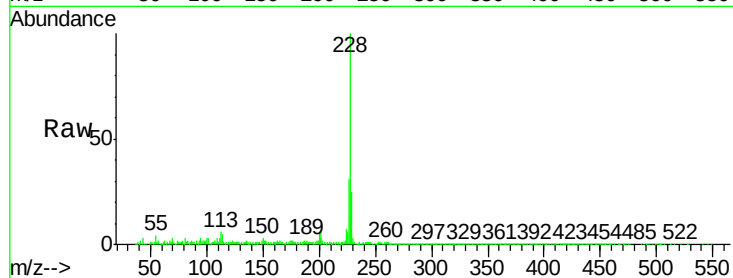
#85
 Chrysene
 Concen: 79.70 ng/ul m
 RT: 21.16 min Scan# 3144
 Delta R.T. 0.04 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Instrument :
 BNA_G
 ClientSampled :
 C01P5RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.0	34.6
229	25.1	15.9	23.9

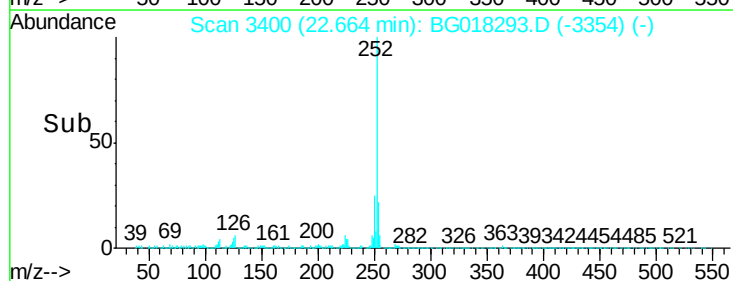
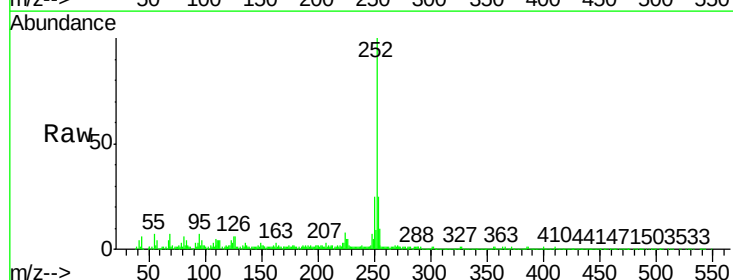
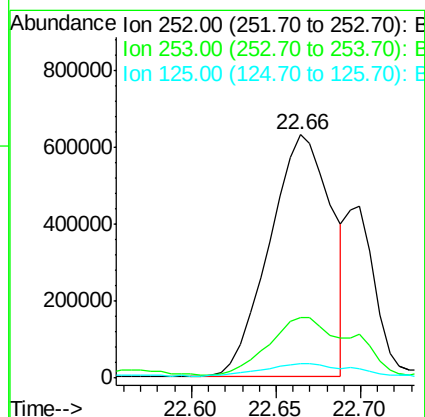
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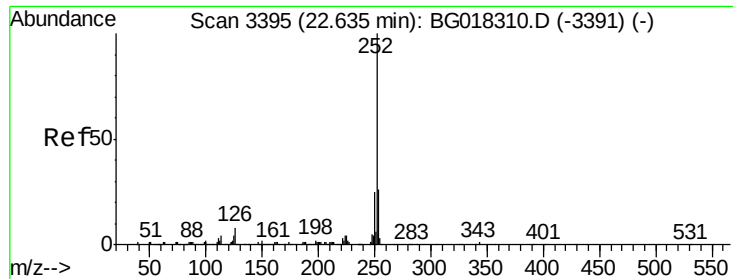
apatel
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#88
 Benzo(b)fluoranthene
 Concen: 96.57 ng/ul
 RT: 22.66 min Scan# 3400
 Delta R.T. 0.07 min
 Lab File: BG018293.D
 Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	6.2	3.1	4.7





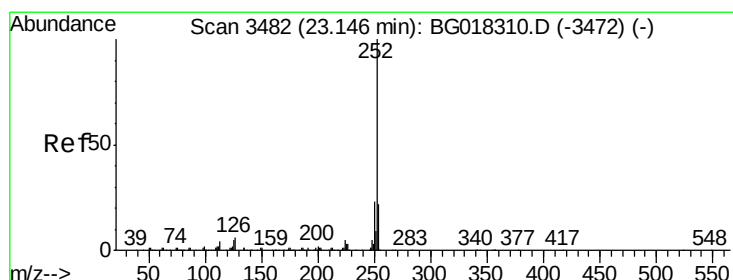
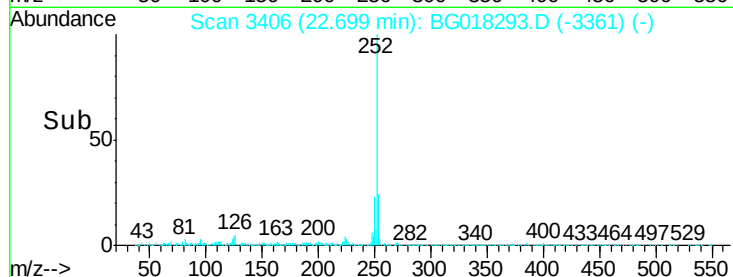
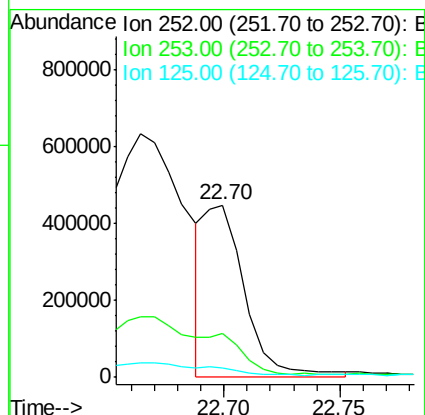
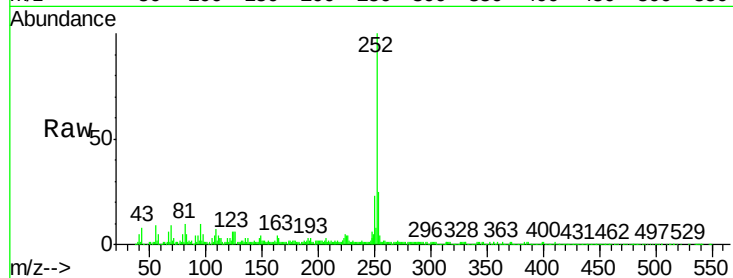
#89
Benzo(k)fluoranthene
Concen: 34.41 ng/ul m
RT: 22.70 min Scan# 3406
Delta R.T. 0.06 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Instrument :
BNA_G
ClientSampleId :
C01P5RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.3	16.4	24.6#
125	5.7	3.4	5.2#

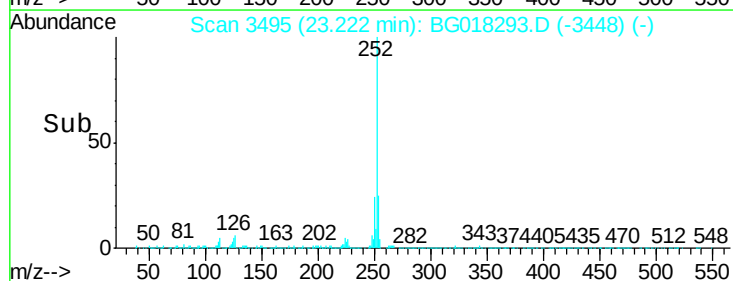
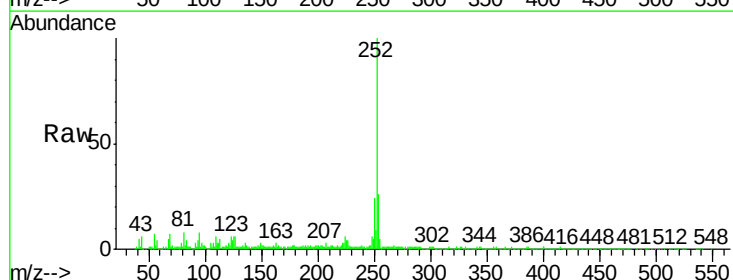
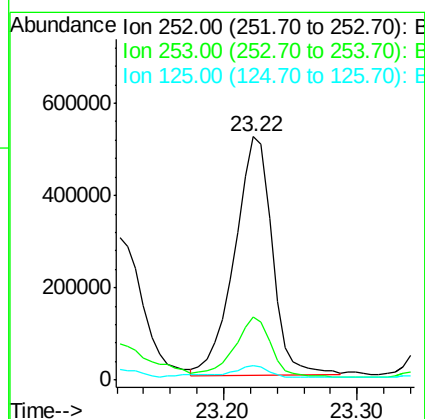
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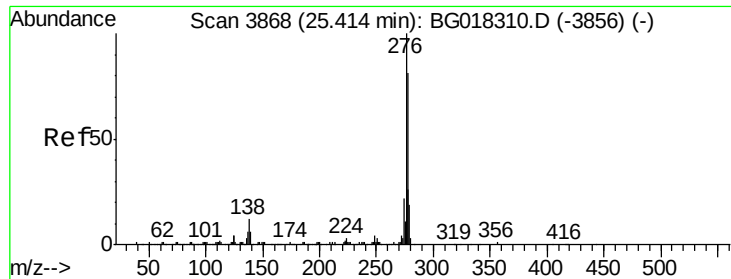
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#91
Benzo(a)pyrene
Concen: 69.66 ng/ul
RT: 23.22 min Scan# 3495
Delta R.T. 0.08 min
Lab File: BG018293.D
Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	26.0	18.9	28.3
125	6.0	3.2	4.8#





#92

Indeno(1,2,3-cd)pyrene

Concen: 22.50 ng/ul

RT: 25.53 min Scan# 3887

Delta R.T. 0.11 min

Lab File: BG018293.D

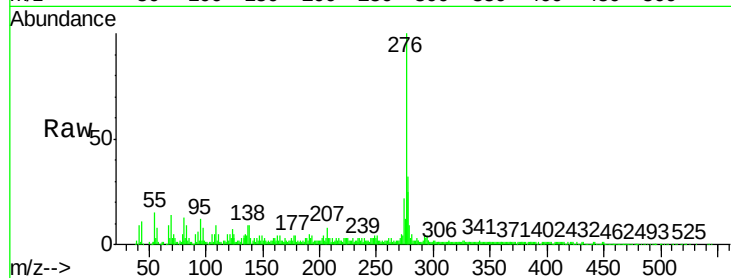
Acq: 6 Aug 2015 4:26

Instrument :

BNA_G

ClientSampleId :

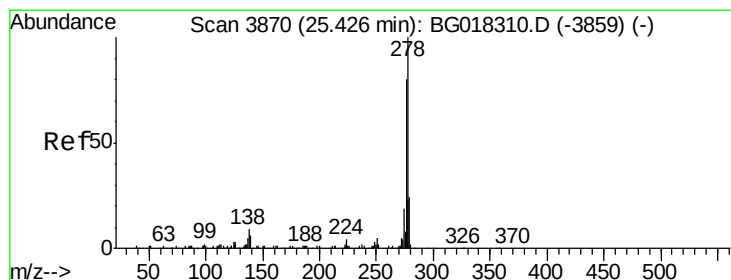
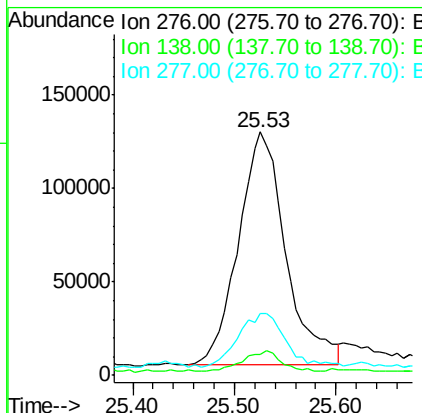
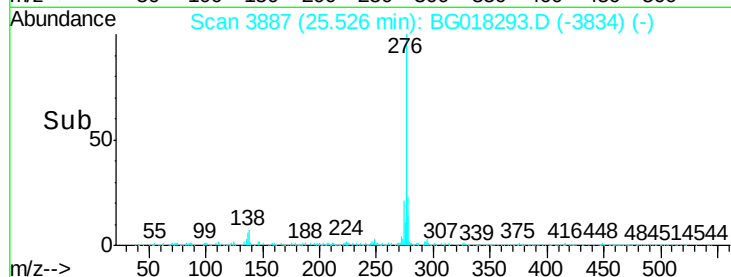
C01P5RE



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	404924		
138	8.8		8.2	12.4
277	25.3		20.1	30.1

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#93

Dibenzo(a,h)anthracene

Concen: 6.27 ng/ul

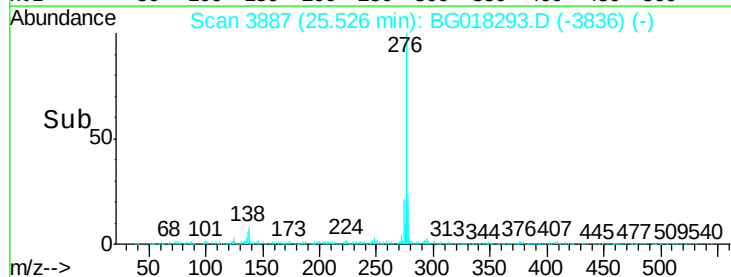
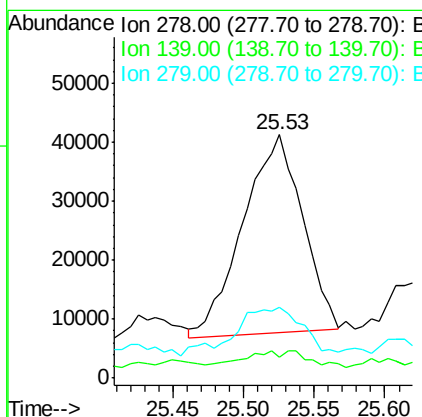
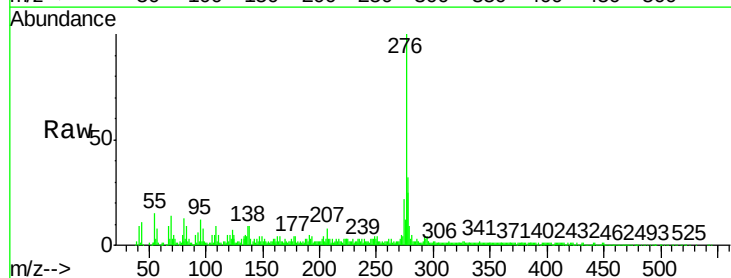
RT: 25.53 min Scan# 3887

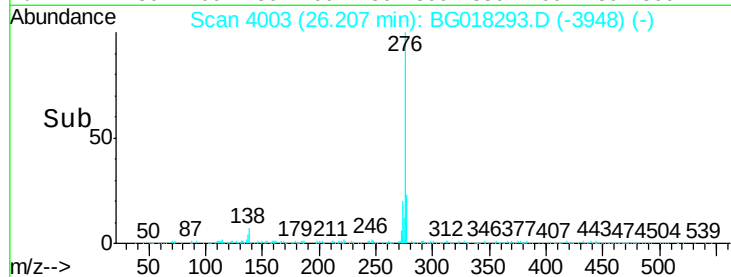
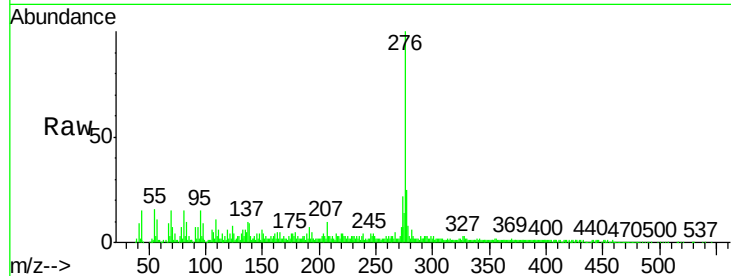
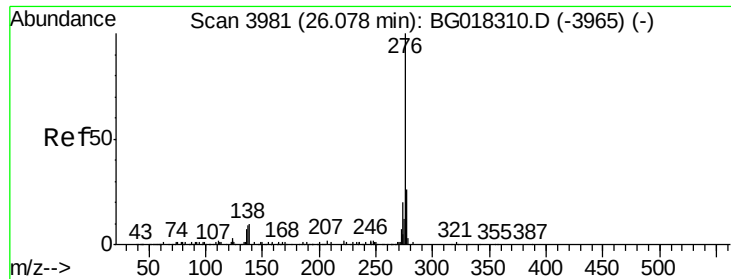
Delta R.T. 0.10 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	98951		
139	11.1		5.8	8.8#
279	29.2		19.8	29.6





#94

Benzo(g,h,i)perylene

Concen: 21.95 ng/ul m

RT: 26.21 min Scan# 4003

Delta R.T. 0.12 min

Lab File: BG018293.D

Acq: 6 Aug 2015 4:26

Tgt Ion:	276	Resp:	320642
Ion Ratio	Lower	Upper	
276	100		
138	9.2	6.0	9.0#
277	25.3	21.1	31.7

Instrument :

BNA_G

ClientSampleId :

C01P5RE

Manual Integrations
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8/10/2015 9:25:09 AM

