

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
 Data File : BG017794.D
 Acq On : 7 Jul 2015 13:47
 Operator : TP/UM
 Sample : G2860-09DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93J4DL

Manual Integrations
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 7/9/2015 8:30:57 AM

Quant Time: Jul 08 04:33:57 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 08 03:36:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	78001	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	354449	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	208859	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	414138	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	417776	20.00	ng/ul	0.00
85) Perylene-d12	23.45	264	420088	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1019	0.52	ng/uL	0.00
5) Phenol-d5	6.78	99	19710	2.99	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	10899	2.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	16483	2.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	16296	3.02	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	7713	2.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	7684	2.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	15459	3.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	17807	2.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	42766	3.09	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	56147	3.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	6248	2.25	ng/ul	0.00
57) Fluorene-d10	15.26	176	41770	2.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	1964	1.02	ng/ul	-0.01
70) Anthracene-d10	17.11	188	58040	3.08	ng/ul	0.00
78) Pyrene-d10	19.42	212	56918	2.87	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	50844	2.75	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	10.44	128	98653	5.38	ng/ul	99
34) 2-Methylnaphthalene	12.06	142	34512	2.65	ng/ul	99
44) Dimethylphthalate	13.72	163	19168	1.25	ng/ul#	95
47) Acenaphthylene	13.98	152	22258	1.09	ng/ul#	89
49) Acenaphthene	14.33	153	98020	7.14	ng/ul	98
53) Dibenzofuran	14.66	168	106312	5.75	ng/ul	99
58) Fluorene	15.31	166	129076	7.85	ng/ul	97
69) Phenanthrene	17.06	178	1032480	45.61	ng/ul	99
71) Anthracene	17.15	178	316498	13.59	ng/ul	99
74) Carbazole	17.42	167	96492	4.98	ng/ul	99
76) Fluoranthene	19.09	202	1068460	48.99	ng/ul	99
79) Pyrene	19.45	202	918311	36.02	ng/ul	99
82) Benzo(a)anthracene	21.20	228	398036	17.29	ng/ul	99
84) Chrysene	21.25	228	372312	17.08	ng/ul	96
87) Benzo(b)fluoranthene	22.78	252	425129	17.71	ng/ul	93
88) Benzo(k)fluoranthene	22.82	252	146645m	6.48	ng/ul	
90) Benzo(a)pyrene	23.35	252	335405	14.70	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.71	276	178080	7.15	ng/ul	94
92) Dibenzo(a,h)anthracene	25.72	278	49683	2.36	ng/ul#	91
93) Benzo(g,h,i)perylene	26.41	276	109292	5.24	ng/ul	93

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

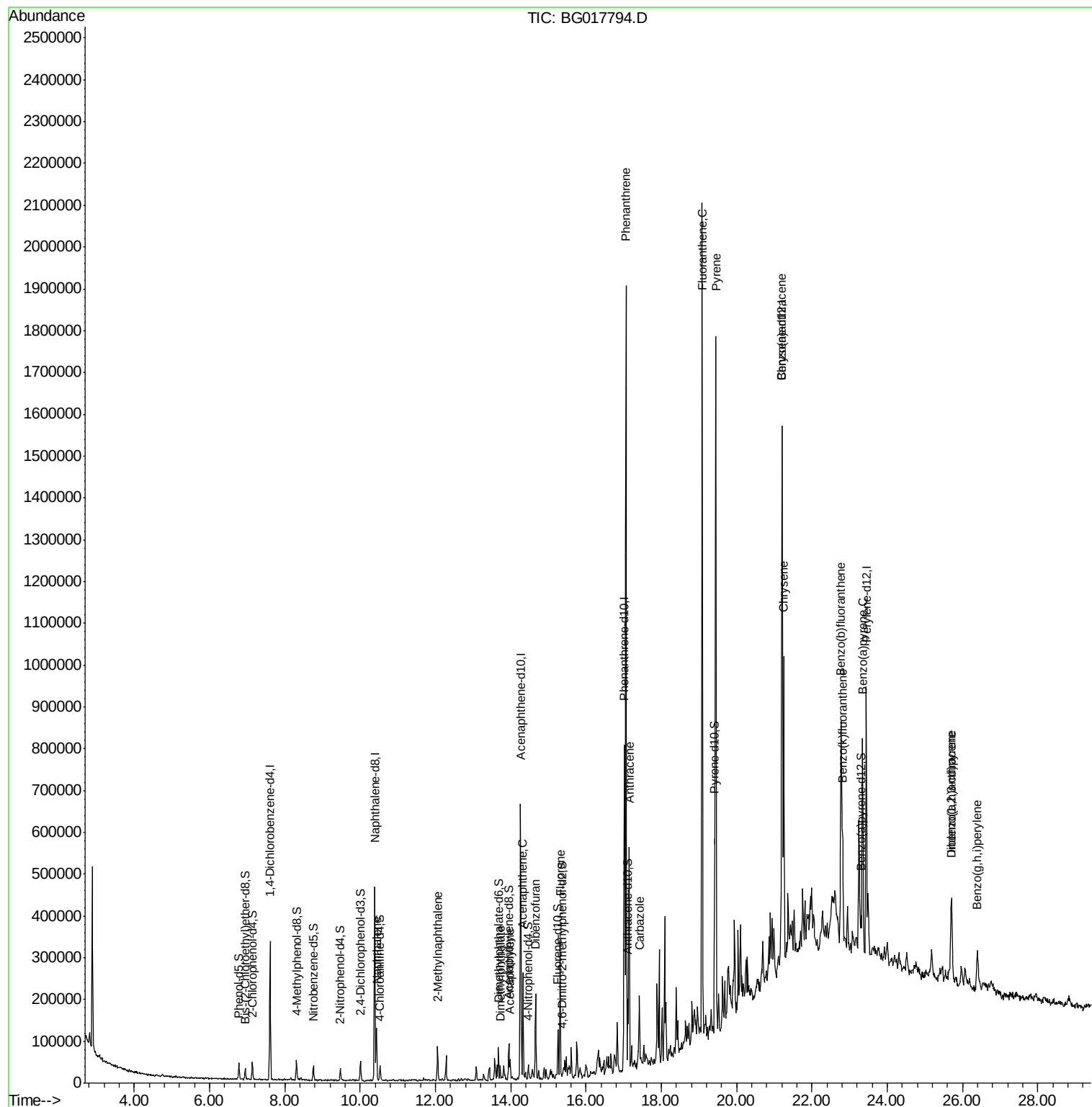
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070715\
Data File : BG017794.D
Acq On : 7 Jul 2015 13:47
Operator : TP/UM
Sample : G2860-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

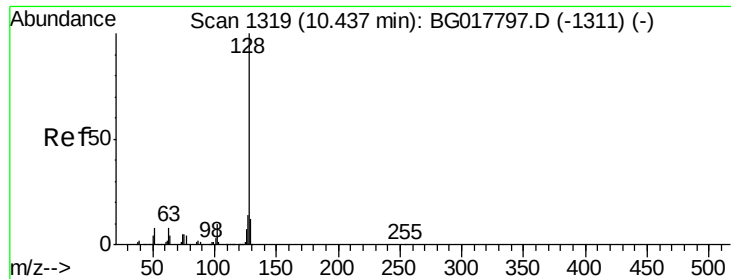
Instrument :
BNA_G
ClientSampleId :
G93J4DL

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Quant Time: Jul 08 04:33:57 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION
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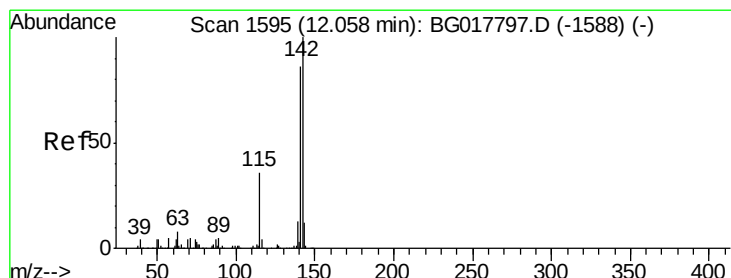
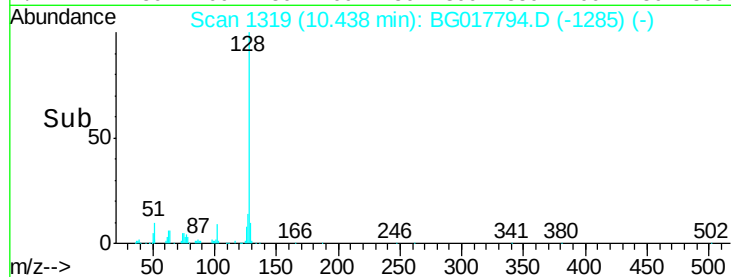
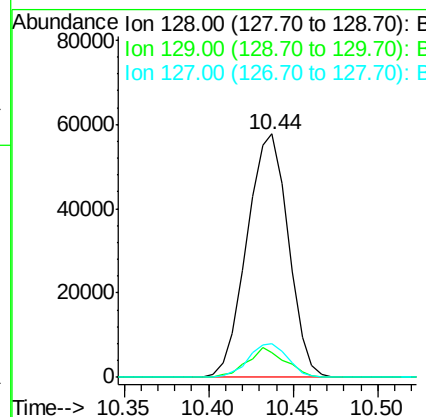
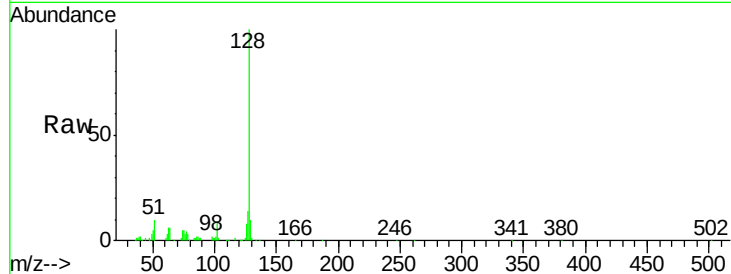
#28
Naphthalene
Concen: 5.38 ng/ul
RT: 10.44 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

Instrument :
BNA_G
ClientSampleId :
G93J4DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.7	13.1
127	13.8	11.0	16.6

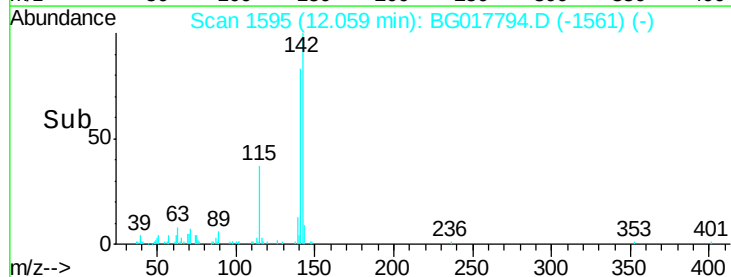
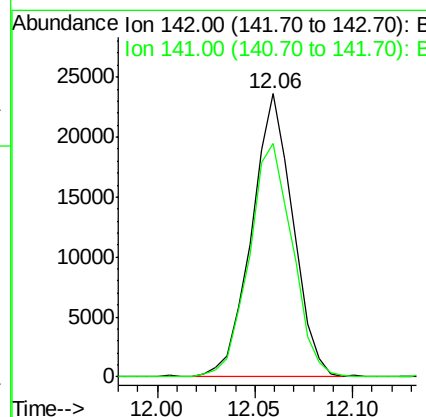
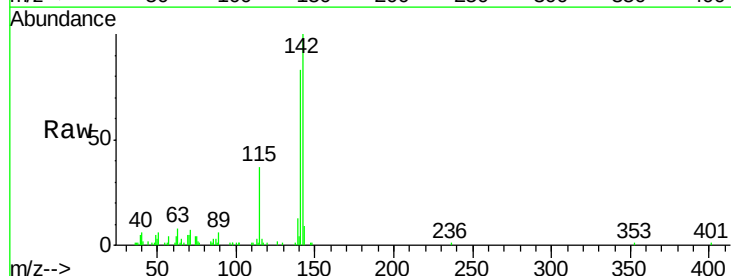
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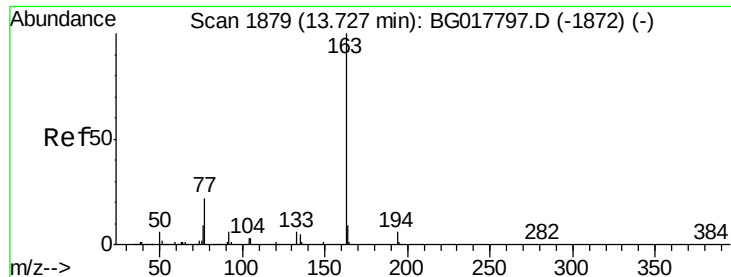
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#34
2-Methylnaphthalene
Concen: 2.65 ng/ul
RT: 12.06 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.5	66.6	100.0





#44

Dimethylphthalate

Concen: 1.25 ng/ul

RT: 13.72 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

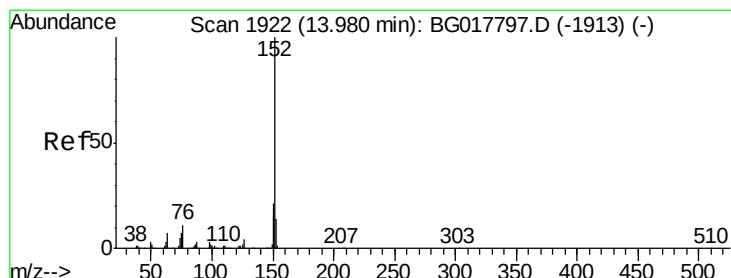
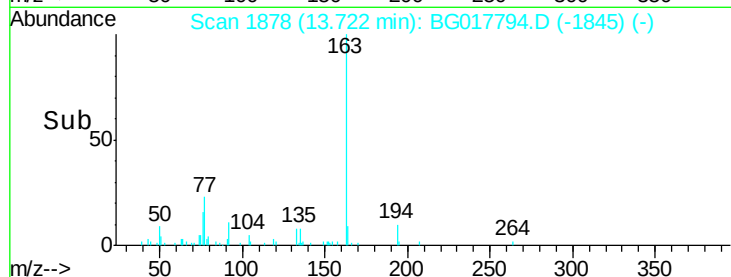
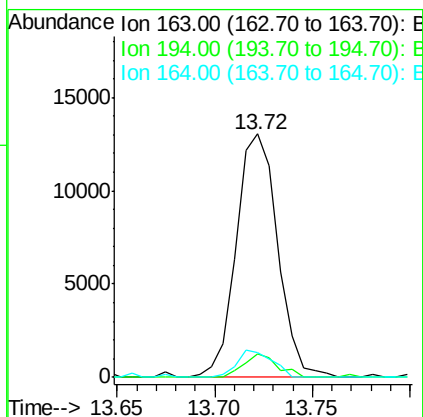
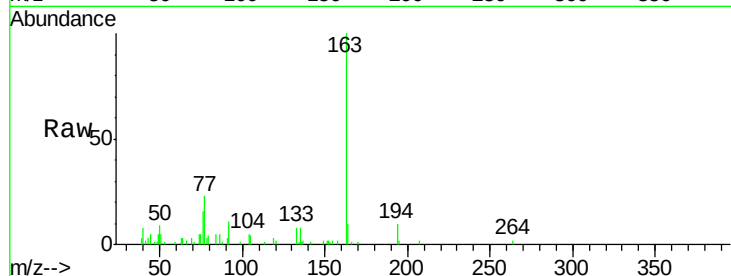
ClientSampleId :

G93J4DL

Tgt Ion:	163	Resp:	19168
Ion Ratio		Lower	Upper
163	100		
194	9.9	5.4	8.0#
164	10.3	7.7	11.5

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#47

Acenaphthylene

Concen: 1.09 ng/ul

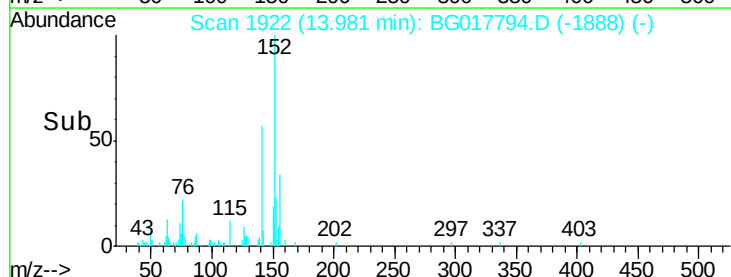
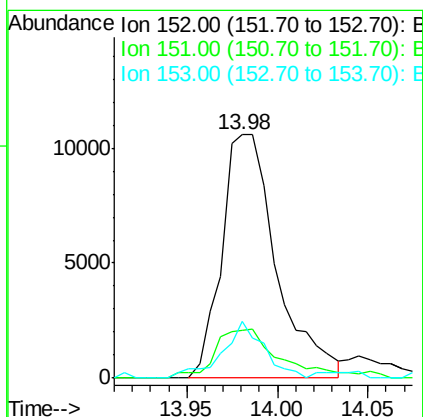
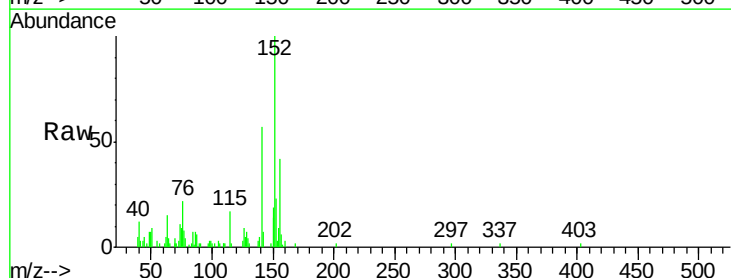
RT: 13.98 min Scan# 1922

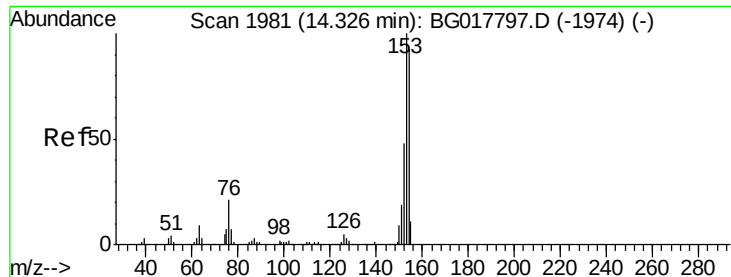
Delta R.T. 0.00 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Tgt Ion:	152	Resp:	22258
Ion Ratio		Lower	Upper
152	100		
151	19.4	17.0	25.6
153	23.2	11.2	16.8#





#49

Acenaphthene

Concen: 7.14 ng/ul

RT: 14.33 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

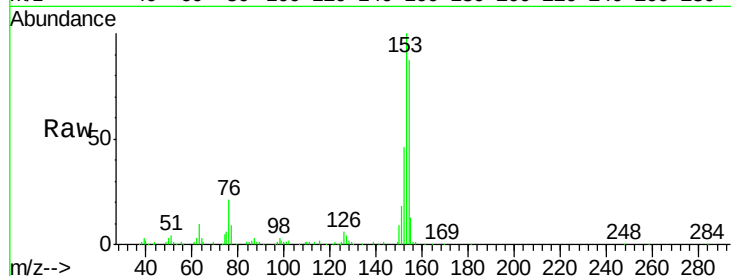
ClientSampleId :

G93J4DL

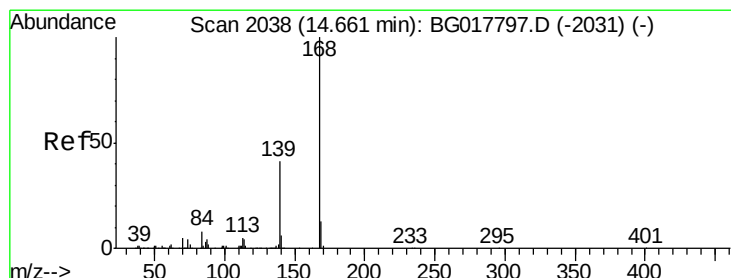
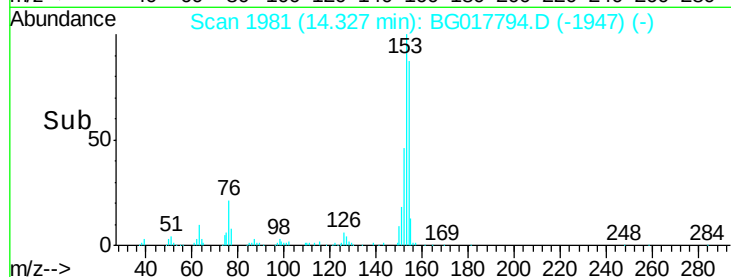
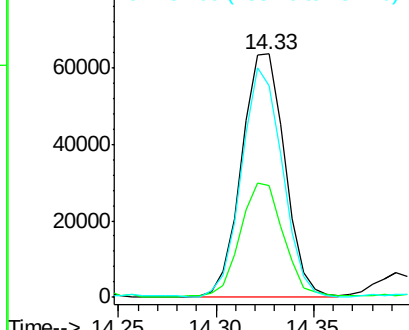
Tgt Ion:	153	Resp:	98020
Ion Ratio	Lower	Upper	
153	100		
152	45.9	37.8	56.6
154	86.7	71.2	106.8

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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



#53

Dibenzofuran

Concen: 5.75 ng/ul

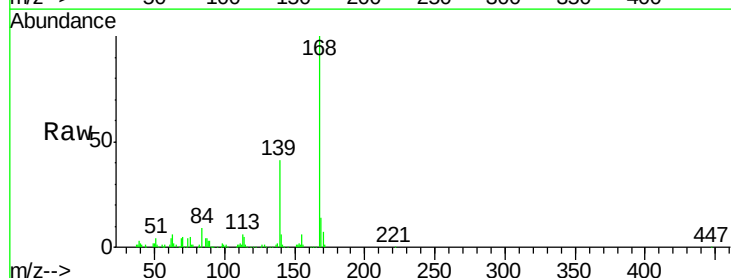
RT: 14.66 min Scan# 2038

Delta R.T. 0.00 min

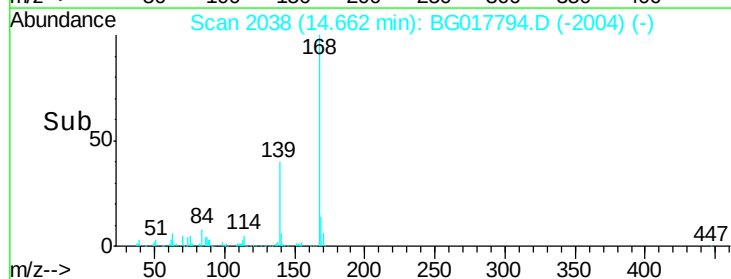
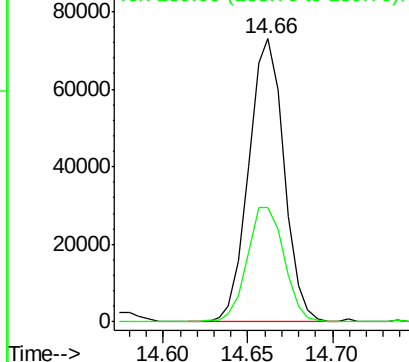
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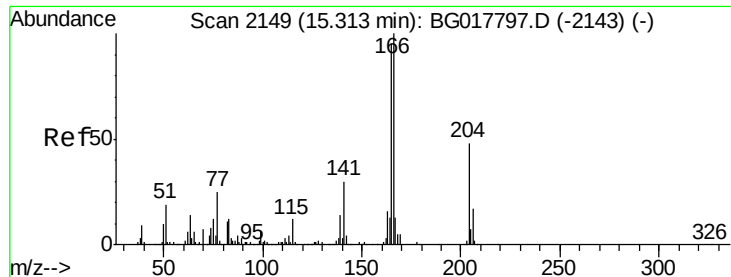
Acq: 7 Jul 2015 13:47

Tgt Ion:	168	Resp:	106312
Ion Ratio	Lower	Upper	
168	100		
139	40.6	32.7	49.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





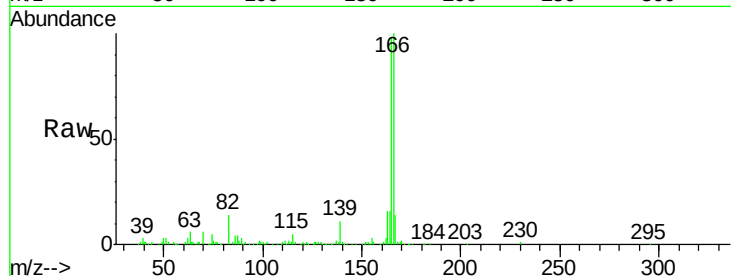
#58
 Fluorene
 Concen: 7.85 ng/ul
 RT: 15.31 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: BG017794.D
 Acq: 7 Jul 2015 13:47

Instrument :
 BNA_G
 ClientSampleId :
 G93J4DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	129076		
165	97.6		75.7	113.5
167	14.3		10.1	15.1

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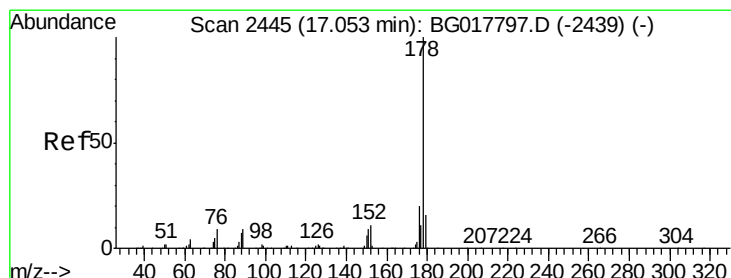
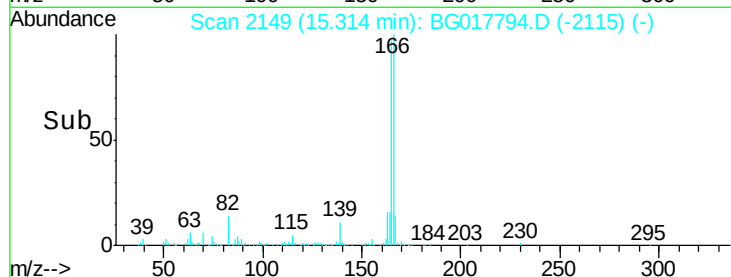
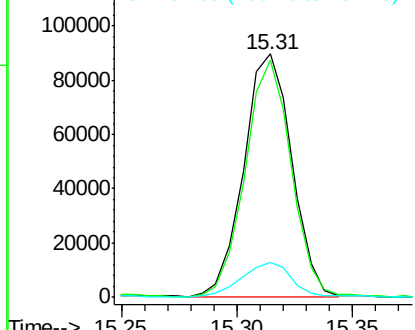


Abundance

Ion 166.00 (165.70 to 166.70): E

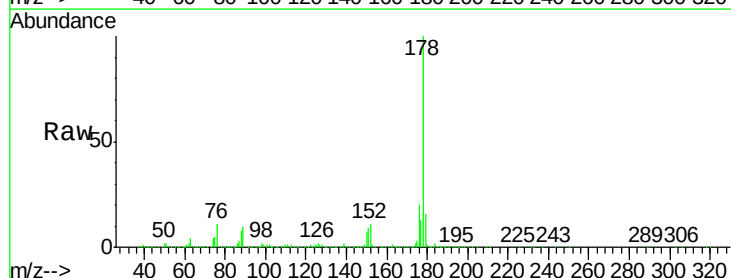
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69
 Phenanthrene
 Concen: 45.61 ng/ul
 RT: 17.06 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BG017794.D
 Acq: 7 Jul 2015 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1032480		
179	16.2		13.0	19.4
176	20.3		17.0	25.4

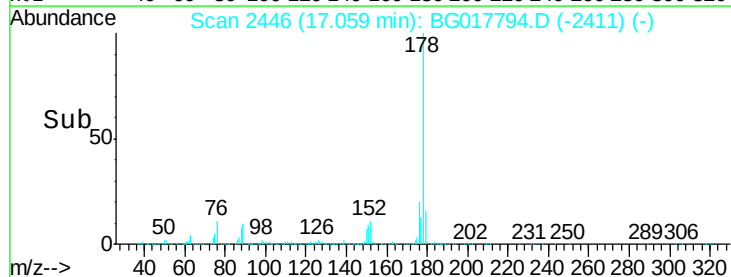
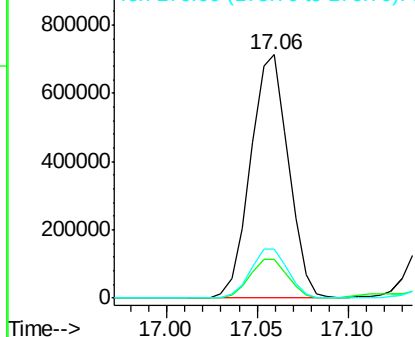


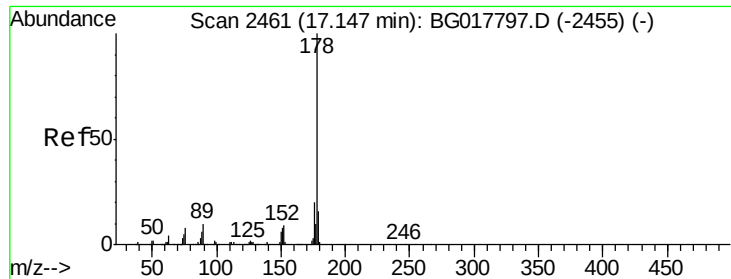
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 13.59 ng/ul

RT: 17.15 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BG017794.D

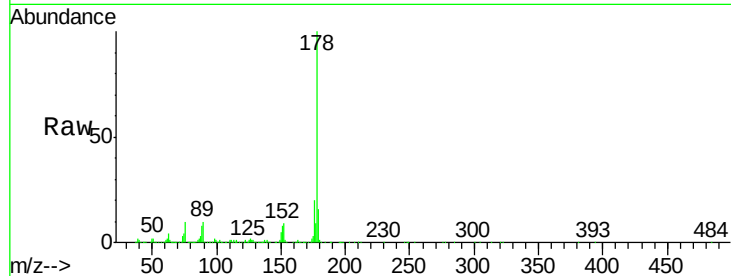
Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

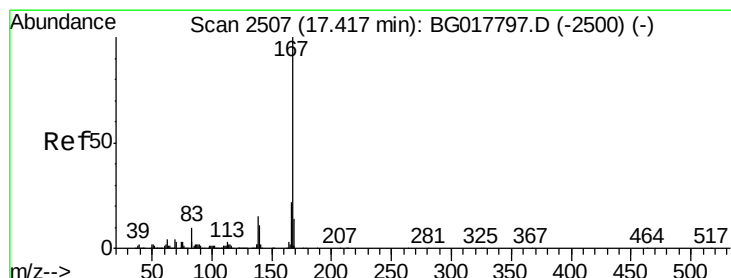
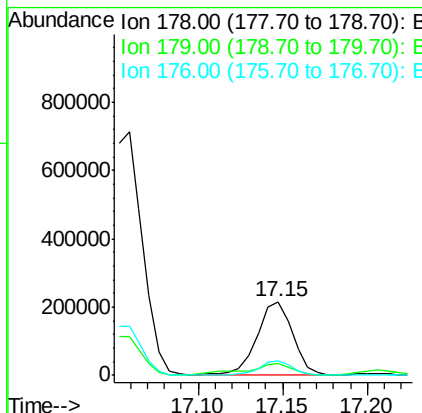
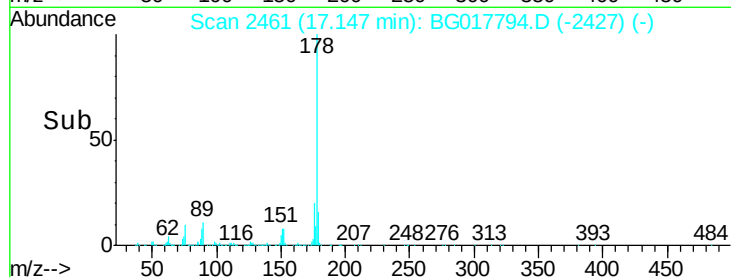
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Tgt Ion:	178	Resp:	316498
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.4	18.6
176	19.7	15.3	22.9

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#74

Carbazole

Concen: 4.98 ng/ul

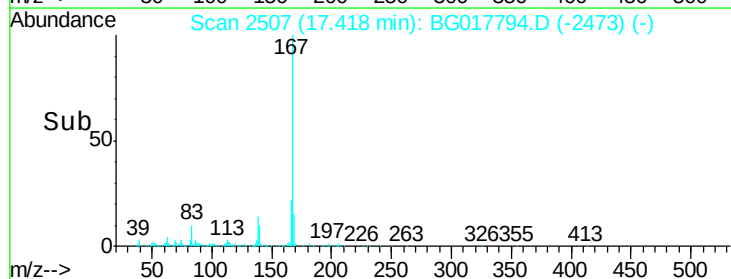
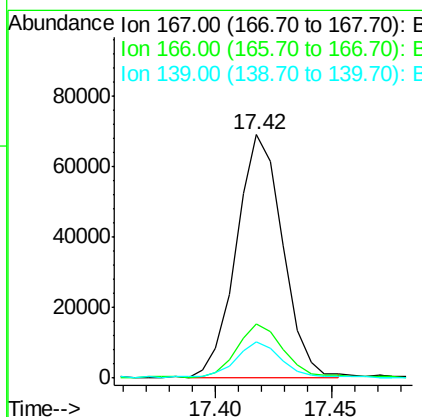
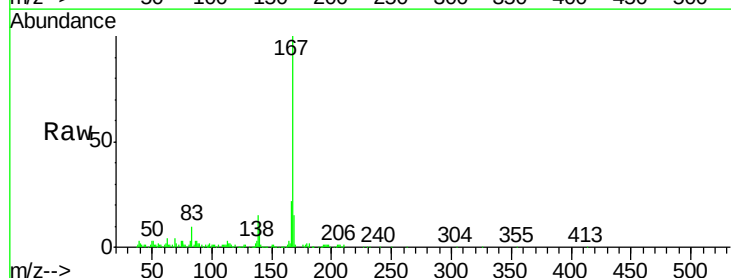
RT: 17.42 min Scan# 2507

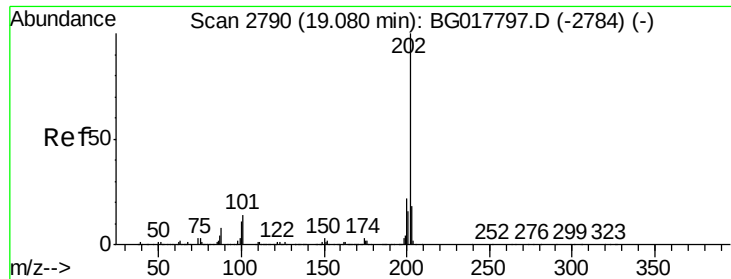
Delta R.T. 0.00 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Tgt Ion:	167	Resp:	96492
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.0	27.0
139	14.7	11.4	17.0





#76

Fluoranthene

Concen: 48.99 ng/ul

RT: 19.09 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

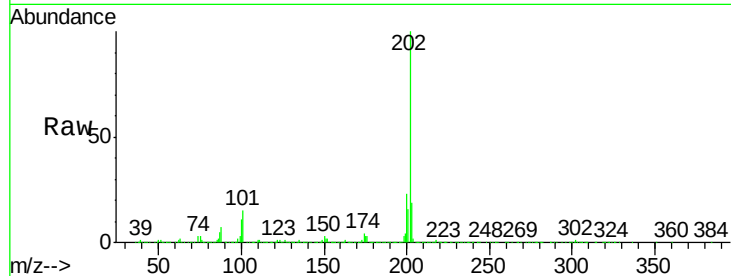
ClientSampleId :

G93J4DL

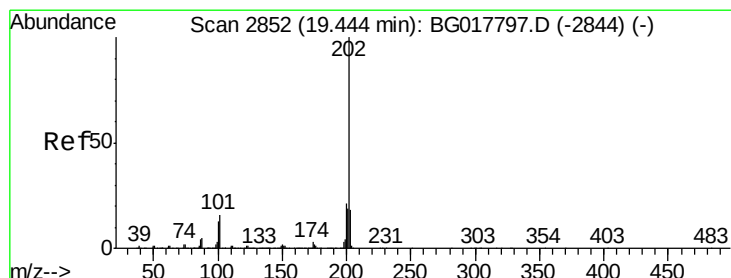
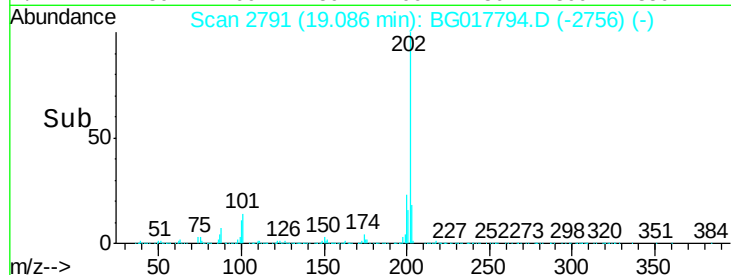
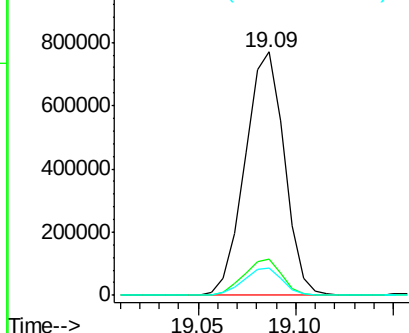
Tgt Ion:	202	Resp:	1068460
Ion Ratio	Lower	Upper	
202	100		
101	14.9	12.6	18.8
100	11.3	9.1	13.7

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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



#79

Pyrene

Concen: 36.02 ng/ul

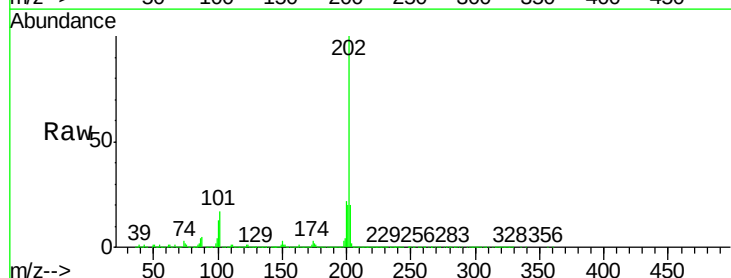
RT: 19.45 min Scan# 2853

Delta R.T. 0.01 min

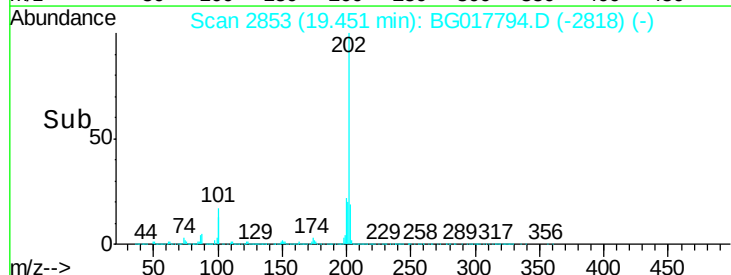
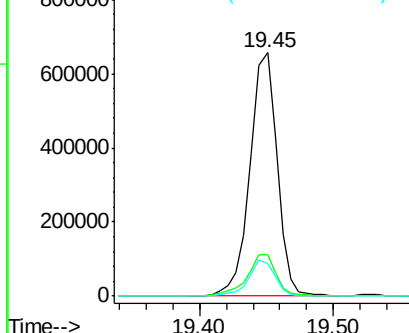
Lab File: BG017794.D

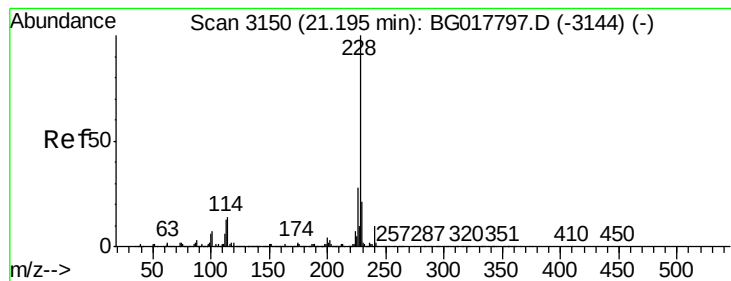
Acq: 7 Jul 2015 13:47

Tgt Ion:	202	Resp:	918311
Ion Ratio	Lower	Upper	
202	100		
101	16.8	13.1	19.7
100	13.4	11.3	16.9



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





#82

Benzo(a)anthracene

Concen: 17.29 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017794.D

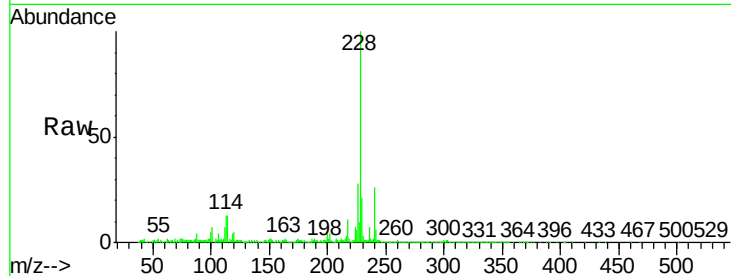
Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

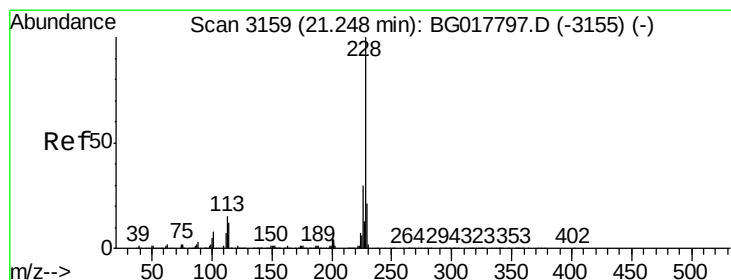
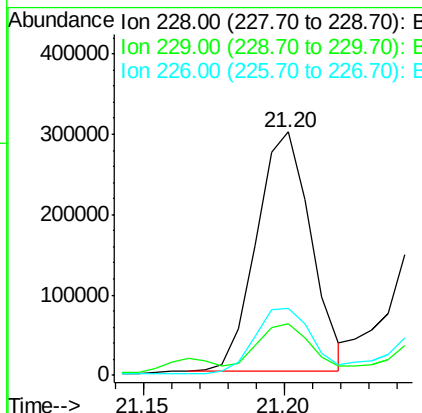
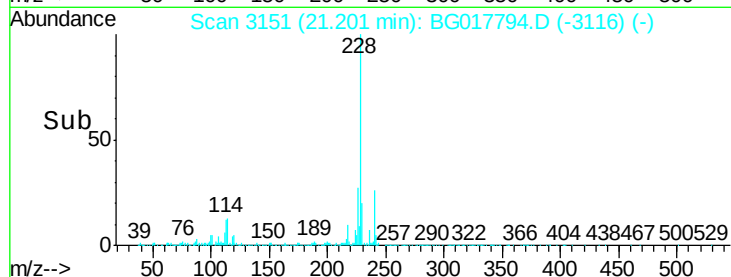
G93J4DL



Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
229	21.1	15.8	23.8	
226	27.6	22.2	33.2	

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#84

Chrysene

Concen: 17.08 ng/ul

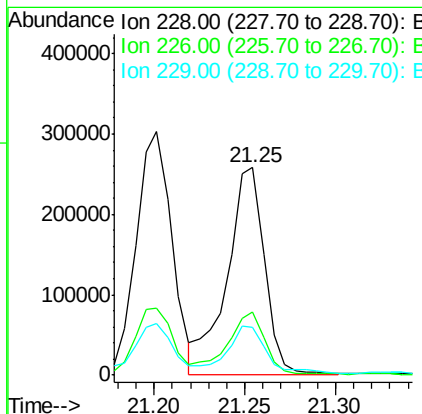
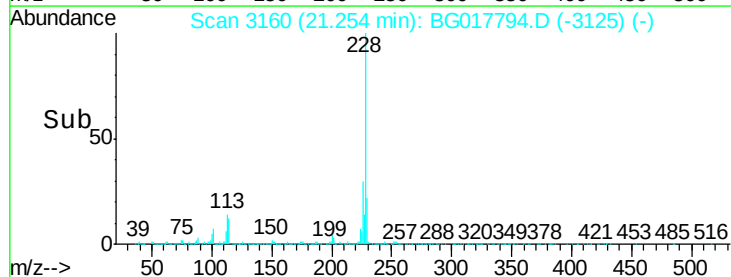
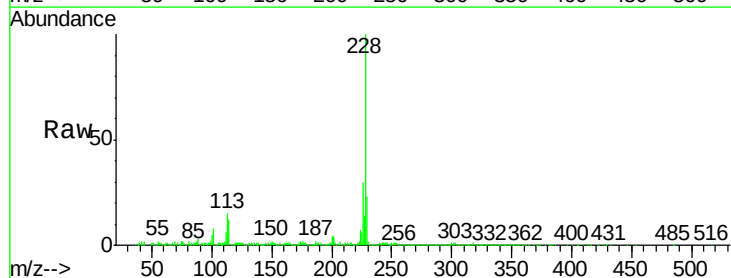
RT: 21.25 min Scan# 3160

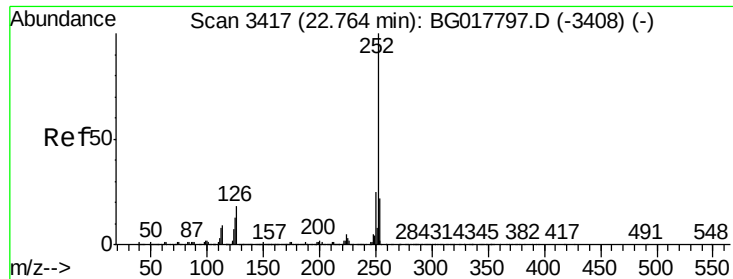
Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.4	25.6	38.4	
229	23.2	16.4	24.6	





#87

Benzo(b)fluoranthene

Concen: 17.71 ng/ul

RT: 22.78 min Scan# 3419

Delta R.T. 0.01 min

Lab File: BG017794.D

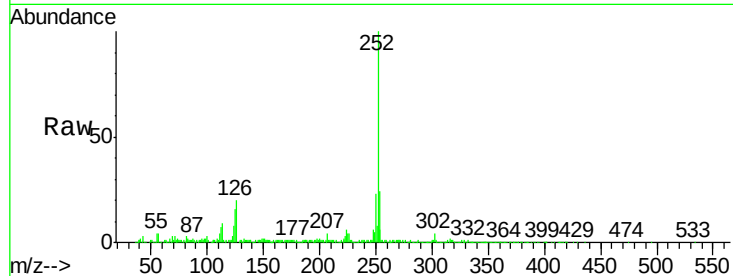
Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleID :

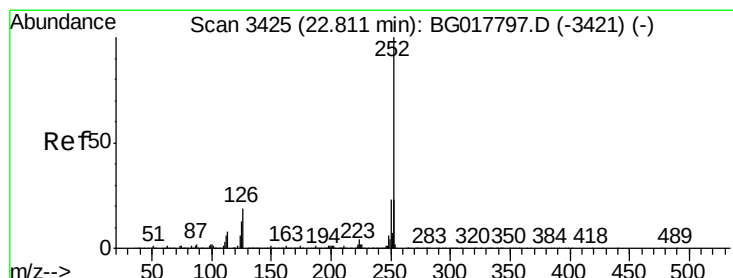
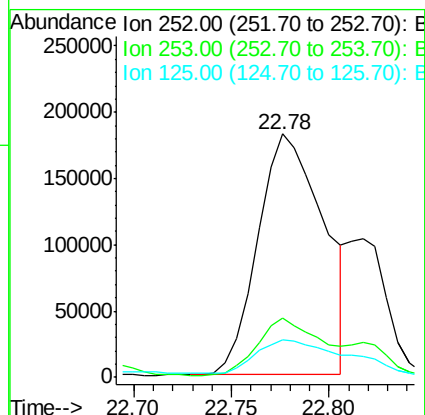
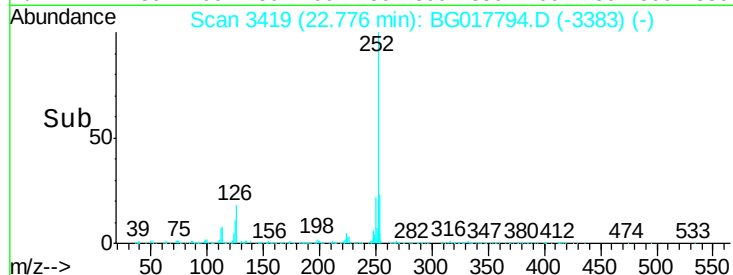
G93J4DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.8	25.2
125	15.5	10.4	15.6

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#88

Benzo(k)fluoranthene

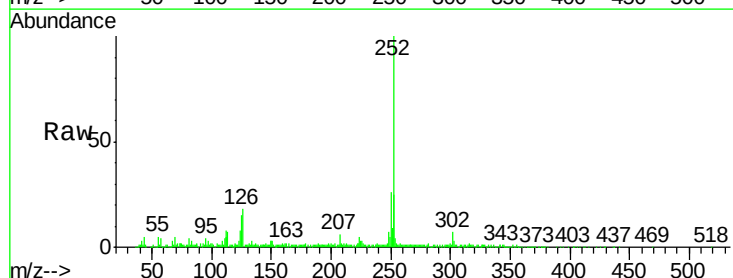
Concen: 6.48 ng/ul m

RT: 22.82 min Scan# 3426

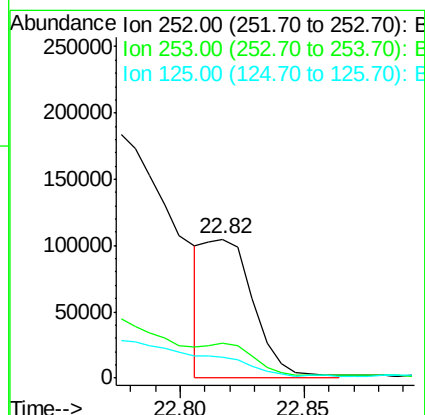
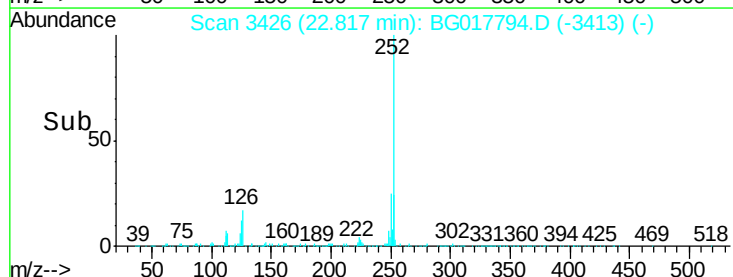
Delta R.T. 0.01 min

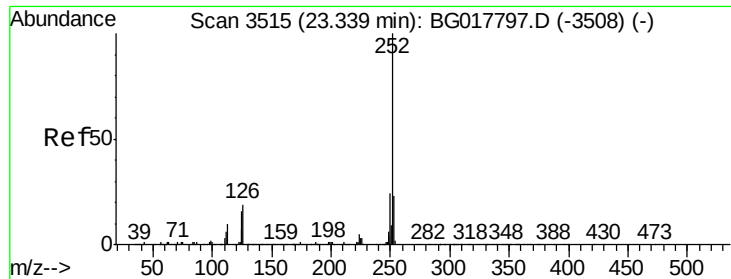
Lab File: BG017794.D

Acq: 7 Jul 2015 13:47



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	14.9	11.6	17.4





#90

Benzo(a)pyrene

Concen: 14.70 ng/ul

RT: 23.35 min Scan# 3517

Delta R.T. 0.01 min

Lab File: BG017794.D

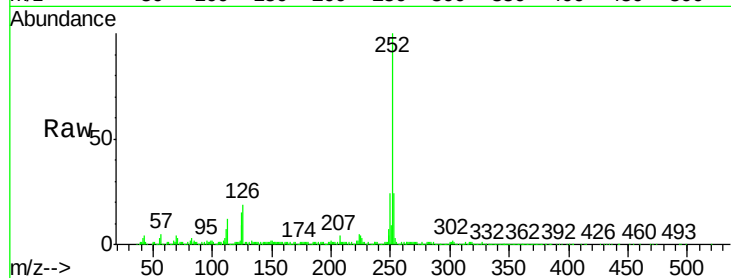
Acq: 7 Jul 2015 13:47

Instrument :

BNA_G

ClientSampleId :

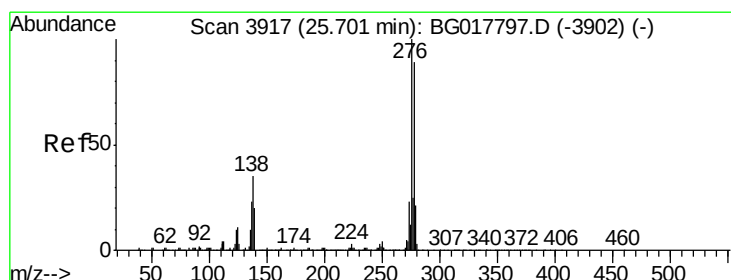
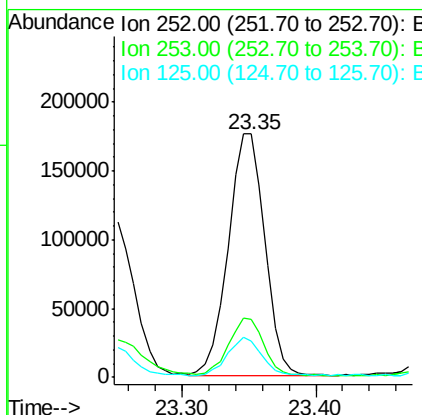
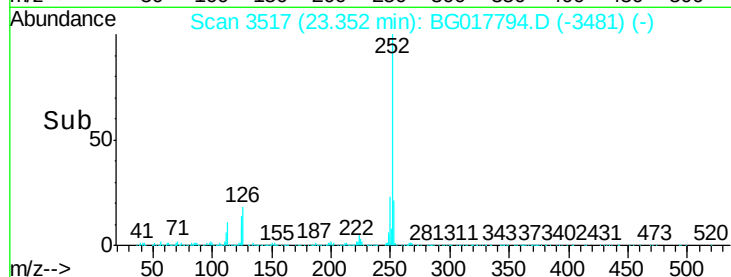
G93J4DL



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	335405		
253	23.8	18.3	27.5	
125	14.7	12.1	18.1	

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#91

Indeno(1,2,3-cd)pyrene

Concen: 7.15 ng/ul

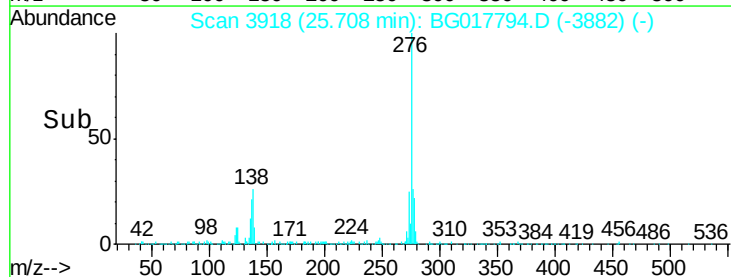
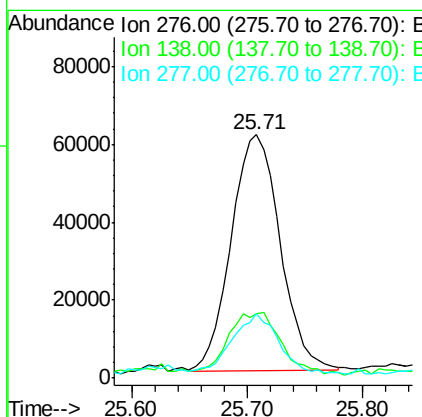
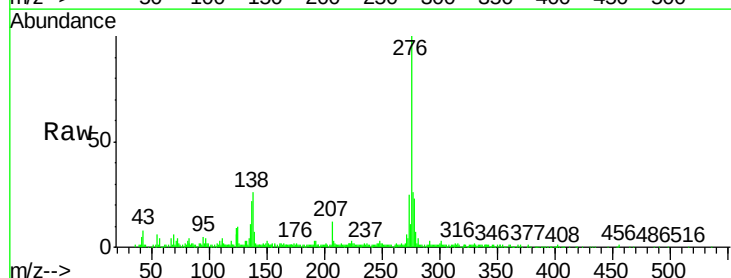
RT: 25.71 min Scan# 3918

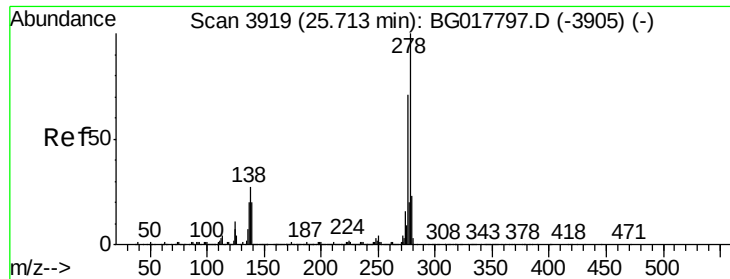
Delta R.T. 0.01 min

Lab File: BG017794.D

Acq: 7 Jul 2015 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	178080		
138	26.5	26.1	39.1	
277	26.5	20.9	31.3	





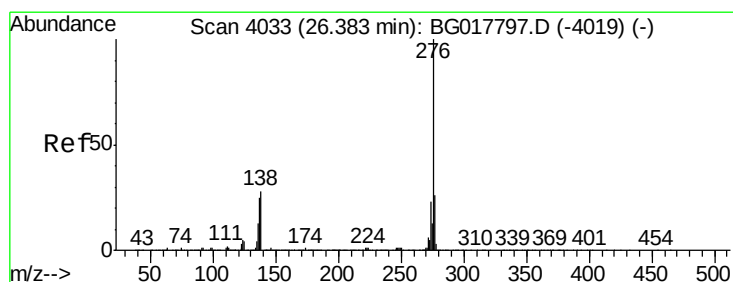
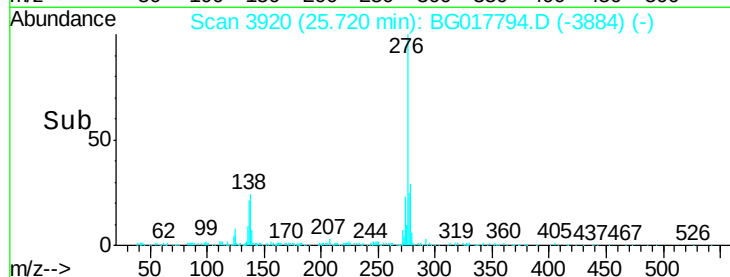
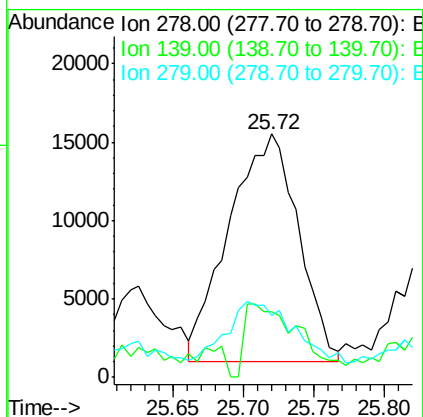
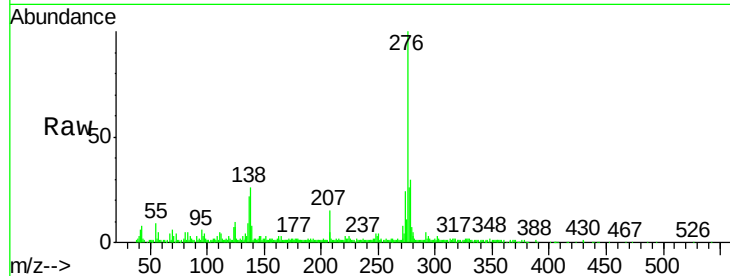
#92
Dibenzo(a,h)anthracene
Concen: 2.36 ng/ul
RT: 25.72 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

Instrument :
BNA_G
ClientSampleId :
G93J4DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	16.3	24.5#
279	25.2	18.7	28.1

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#93
Benzo(g,h,i)perylene
Concen: 5.24 ng/ul
RT: 26.41 min Scan# 4037
Delta R.T. 0.02 min
Lab File: BG017794.D
Acq: 7 Jul 2015 13:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.1	37.7
277	27.2	18.7	28.1

