

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017787.D
 Acq On : 7 Jul 2015 2:01
 Operator : TP/UM
 Sample : G2860-20DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 G93K5DL

Manual Integrations
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 7/9/2015 8:35:36 AM

Quant Time: Jul 07 04:29:44 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 01:50:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	77856	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	375074	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	224983	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	444950	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	464891	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	479141	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.78	99	8736	1.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	5103	1.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	7260	1.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	7015	1.30	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	3424	1.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	3527	1.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	6203	1.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	2809	0.39	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	20379	1.37	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	27966	1.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	2676	0.90	ng/ul	0.00
57) Fluorene-d10	15.25	176	21973	1.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	749	0.36	ng/ul	0.00
70) Anthracene-d10	17.11	188	30518	1.50	ng/ul	0.00
78) Pyrene-d10	19.41	212	31750	1.44	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	27360	1.30	ng/ul	0.01

Target Compounds

					Qvalue
28) Naphthalene	10.44	128	25227	1.30 ng/ul	97
47) Acenaphthylene	13.98	152	29959	1.37 ng/ul	94
58) Fluorene	15.31	166	28572	1.61 ng/ul#	96
69) Phenanthrene	17.05	178	326895	13.44 ng/ul	96
71) Anthracene	17.14	178	51877	2.07 ng/ul	97
76) Fluoranthene	19.08	202	360869	15.40 ng/ul	95
79) Pyrene	19.44	202	626579	22.09 ng/ul	100
82) Benzo(a)anthracene	21.20	228	207672	8.11 ng/ul#	90
84) Chrysene	21.24	228	211355	8.71 ng/ul#	92
87) Benzo(b)fluoranthene	22.77	252	227014m	8.29 ng/ul	
88) Benzo(k)fluoranthene	22.80	252	50611m	1.96 ng/ul	
90) Benzo(a)pyrene	23.33	252	205408	7.89 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.69	276	112608	3.96 ng/ul	96
92) Dibenzo(a,h)anthracene	25.70	278	30892	1.29 ng/ul#	84
93) Benzo(g,h,i)perylene	26.38	276	121075	5.09 ng/ul	94

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

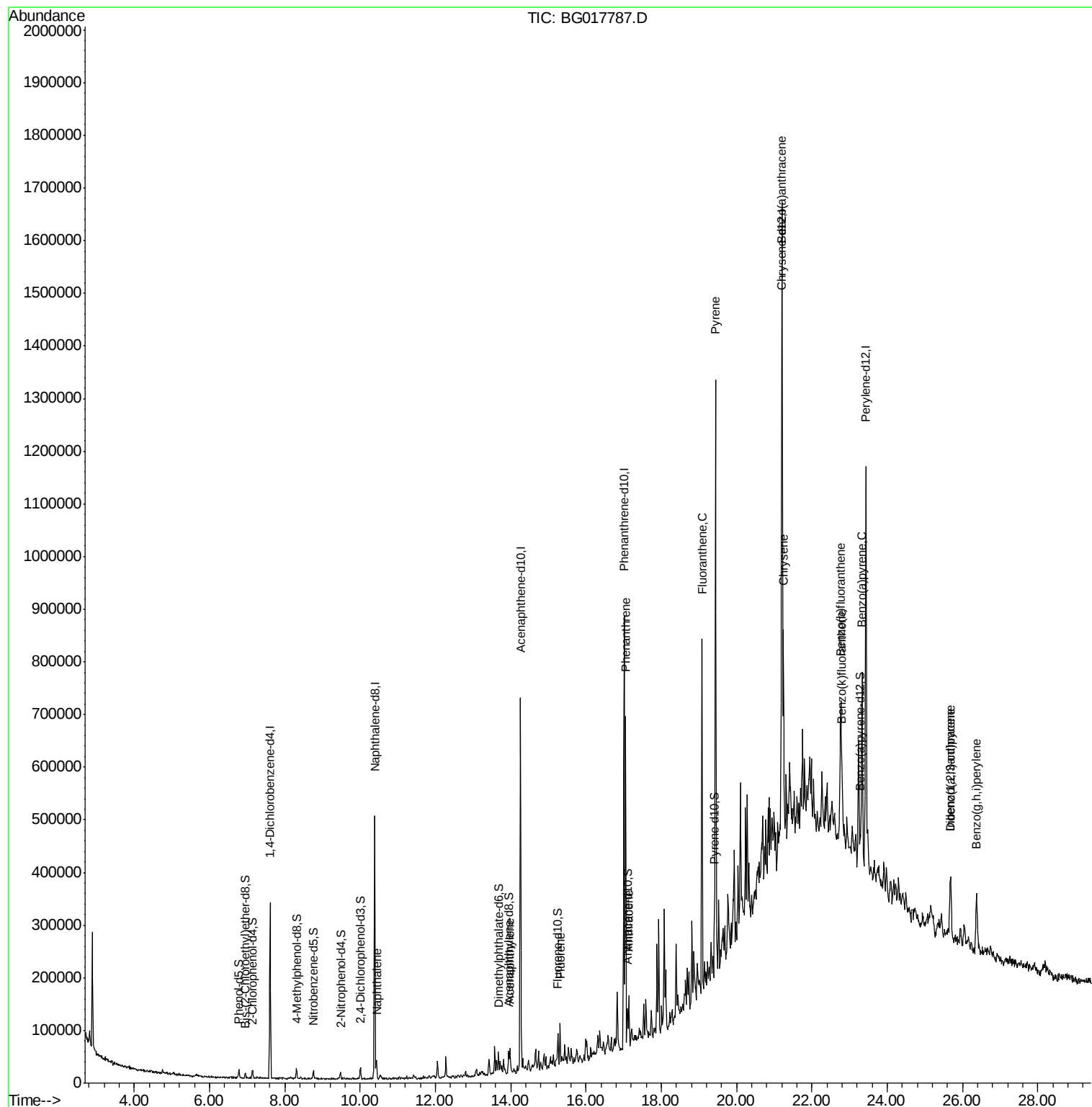
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
Data File : BG017787.D
Acq On : 7 Jul 2015 2:01
Operator : TP/UM
Sample : G2860-20DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

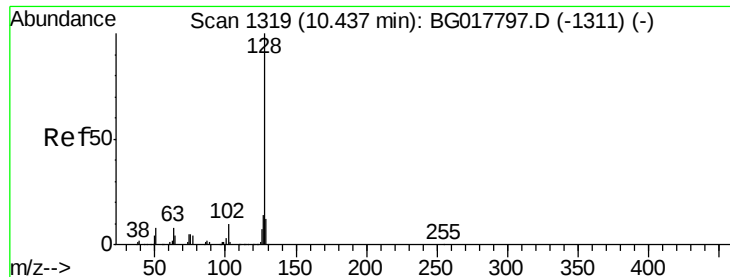
Instrument :
BNA_G
ClientSampleId :
G93K5DL

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Quant Time: Jul 07 04:29:44 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
Quant Title : SVOA CALIBRATION
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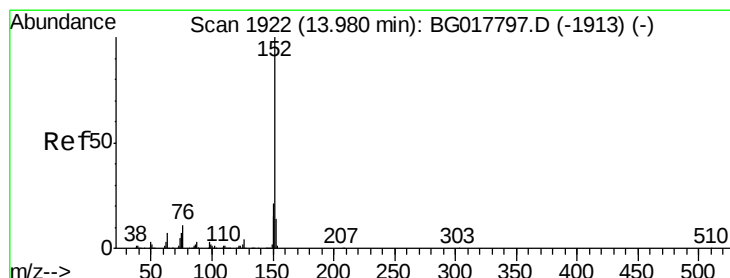
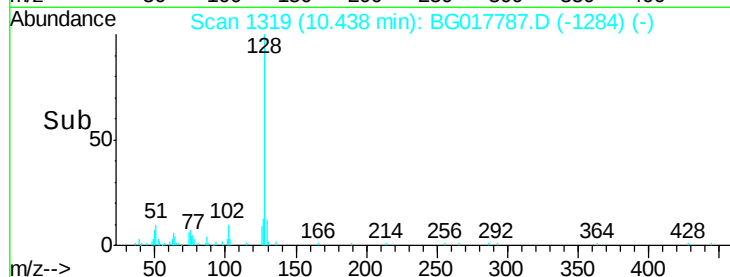
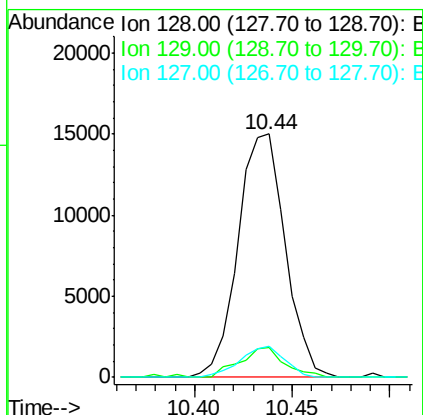
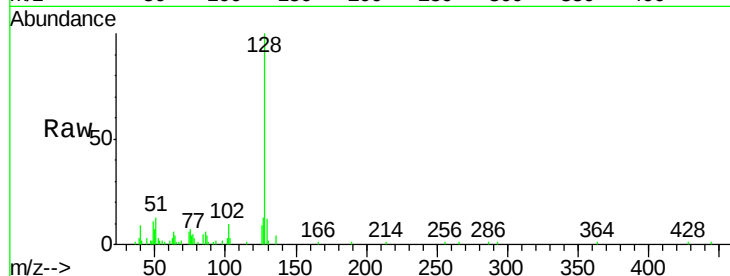
#28
Naphthalene
Concen: 1.30 ng/ul
RT: 10.44 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BG017787.D
Acq: 7 Jul 2015 2:01

Instrument :
BNA_G
ClientSampleId :
G93K5DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	12.1	8.7	13.1
127	12.8	11.0	16.6

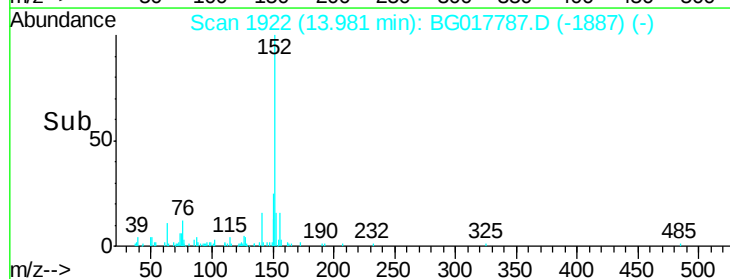
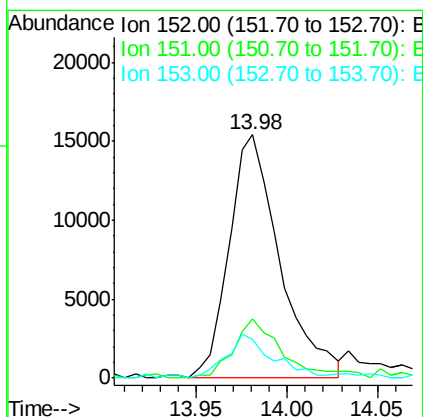
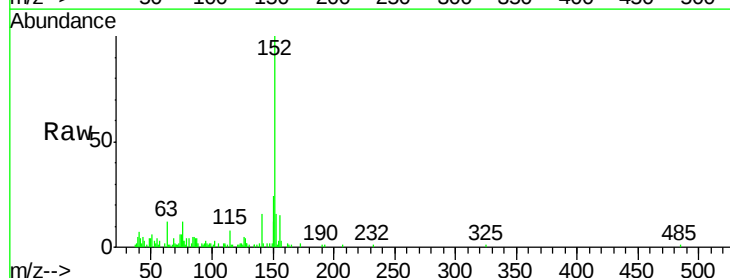
Manual Integrations
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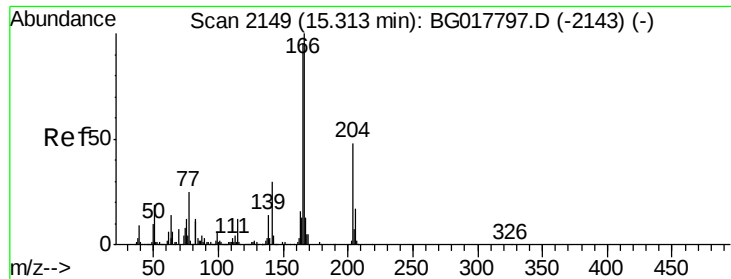
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#47
Acenaphthylene
Concen: 1.37 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BG017787.D
Acq: 7 Jul 2015 2:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	24.2	17.0	25.6
153	16.1	11.2	16.8





#58

Fluorene

Concen: 1.61 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

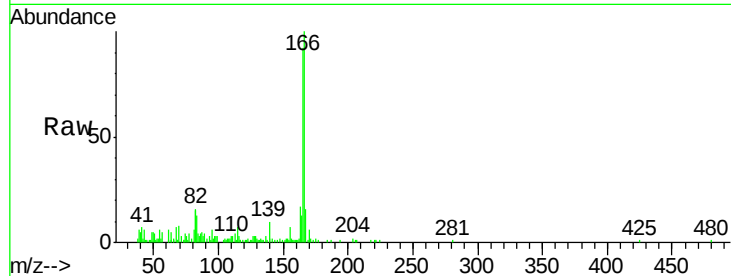
ClientSampleId :

G93K5DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.8	75.7	113.5
167	16.4	10.1	15.1

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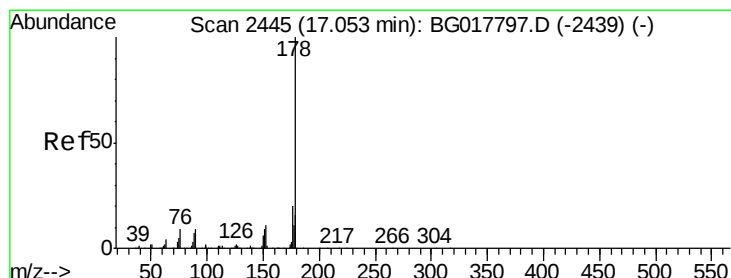
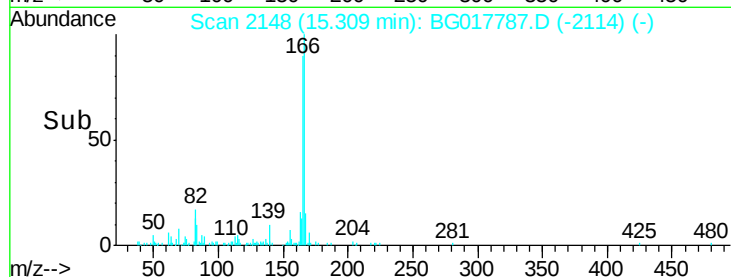
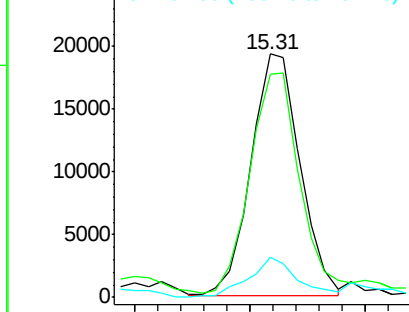


Abundance

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: 13.44 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

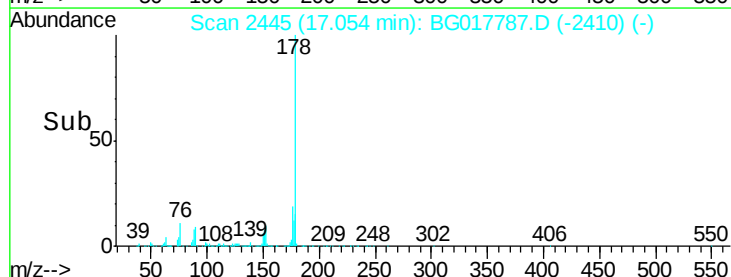
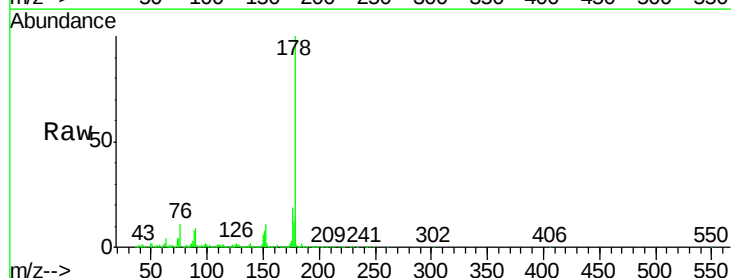
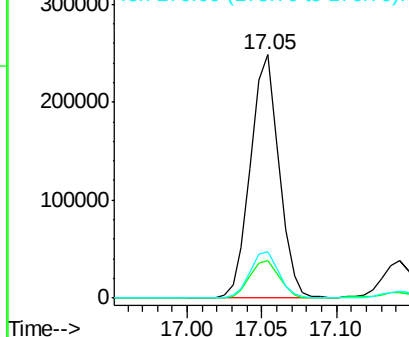
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.0	19.4
176	18.9	17.0	25.4

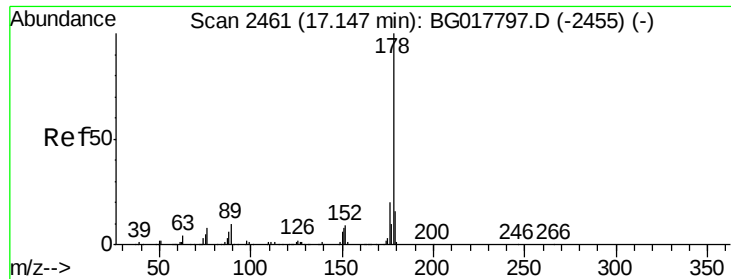
Abundance

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: 2.07 ng/ul

RT: 17.14 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

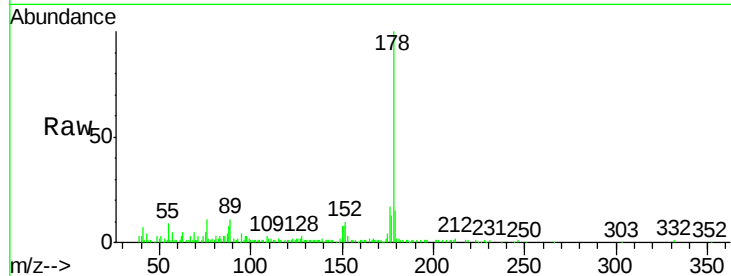
ClientSampleId :

G93K5DL

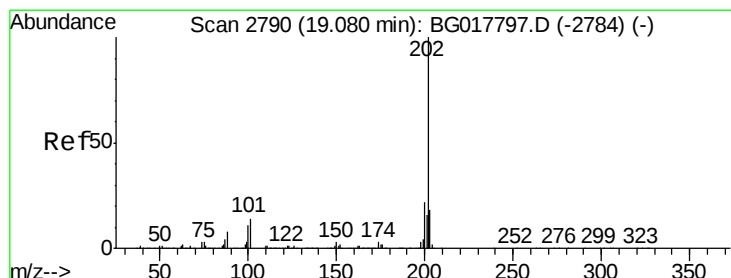
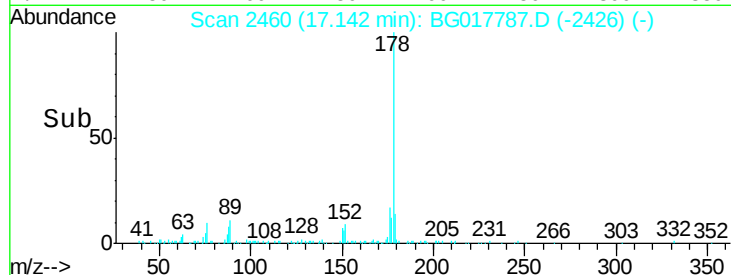
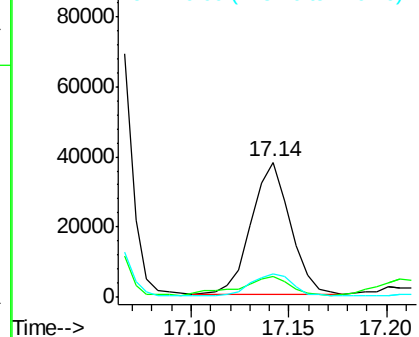
Tgt	Ion	178	Resp:	51877
	Ratio	100	Lower	Upper
	178	100		
	179	15.1	12.4	18.6
	176	17.3	15.3	22.9

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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



#76

Fluoranthene

Concen: 15.40 ng/ul

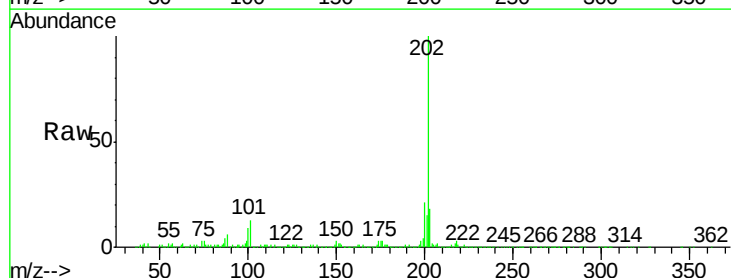
RT: 19.08 min Scan# 2790

Delta R.T. 0.01 min

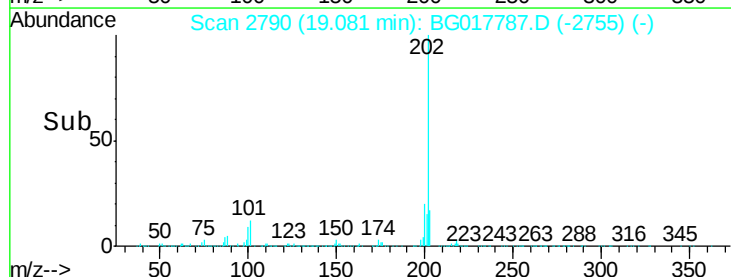
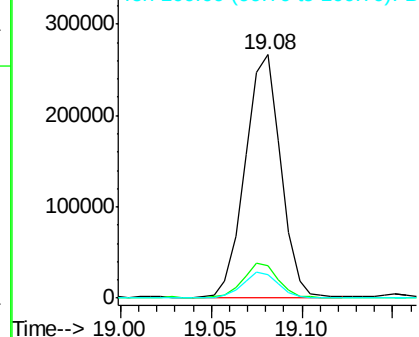
Lab File: BG017787.D

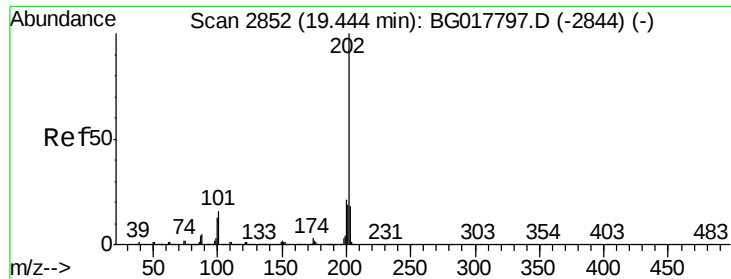
Acq: 7 Jul 2015 2:01

Tgt	Ion	202	Resp:	360869
	Ratio	100	Lower	Upper
	202	100		
	101	13.4	12.6	18.8
	100	9.5	9.1	13.7



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: 22.09 ng/ul

RT: 19.44 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

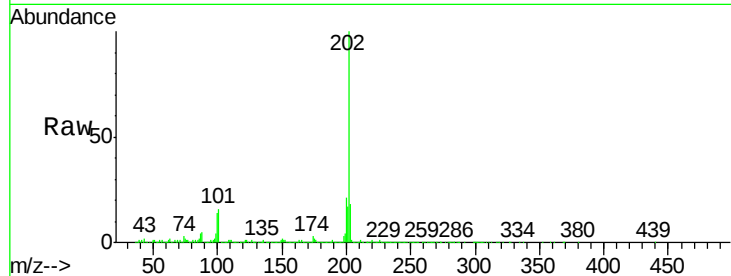
ClientSampleId :

G93K5DL

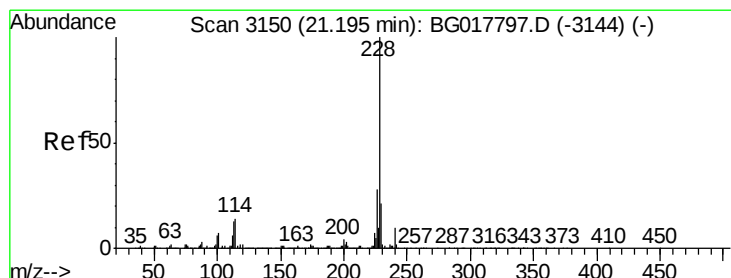
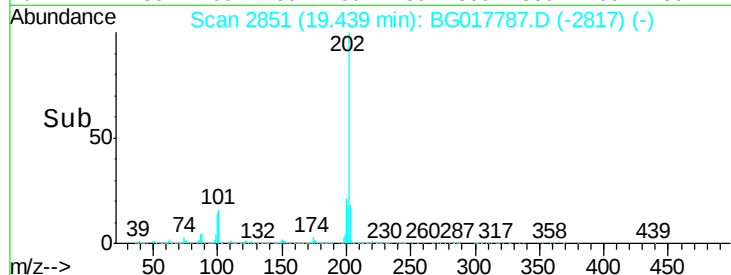
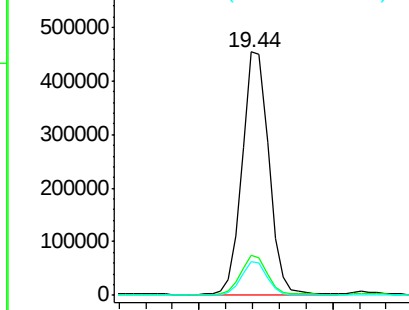
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		626579		
101	16.3	13.1	19.7		
100	14.0	11.3	16.9		

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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



#82

Benzo(a)anthracene

Concen: 8.11 ng/ul

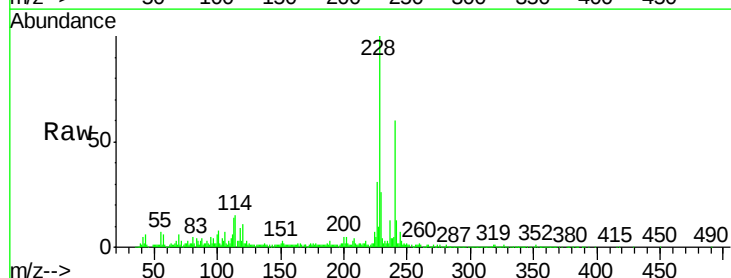
RT: 21.20 min Scan# 3150

Delta R.T. 0.01 min

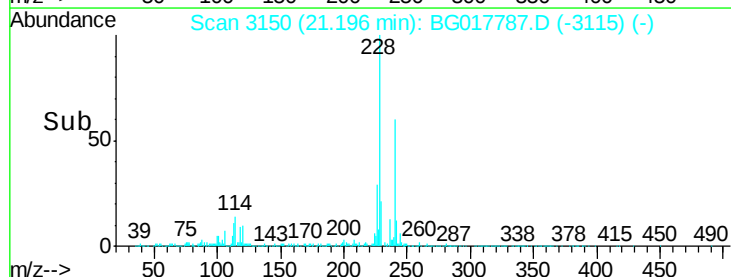
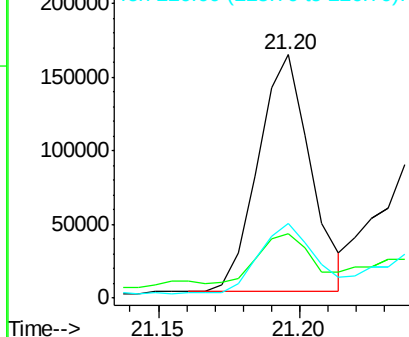
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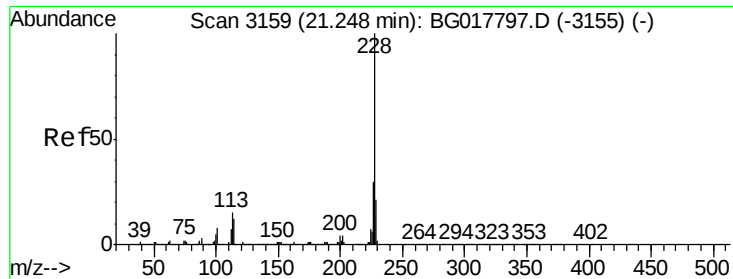
Acq: 7 Jul 2015 2:01

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		207672		
229	26.5	15.8	23.8#		
226	30.9	22.2	33.2		



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





#84

Chrysene

Concen: 8.71 ng/ul

RT: 21.24 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

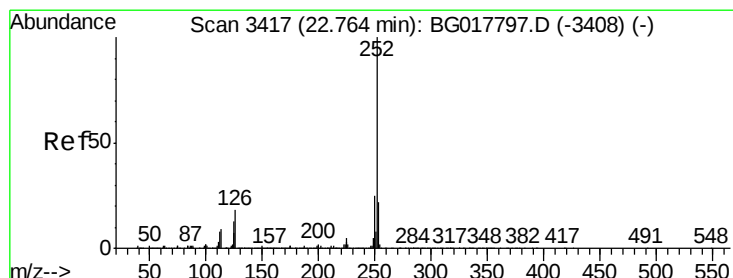
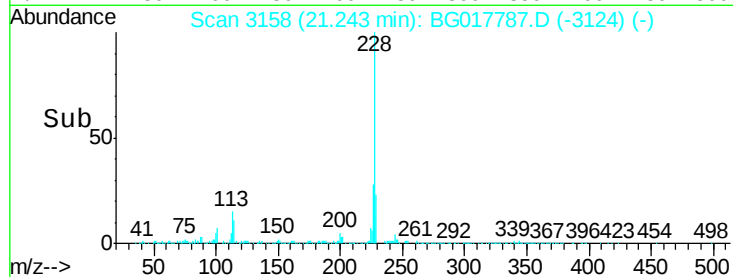
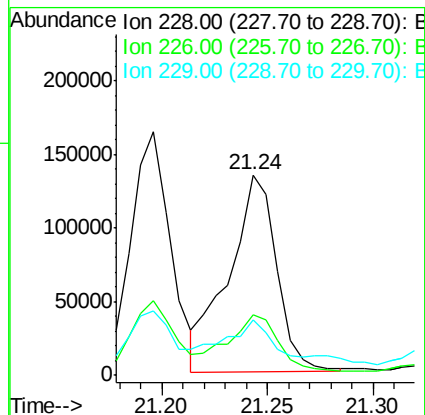
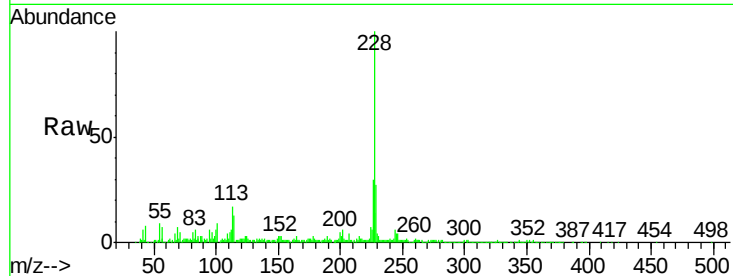
ClientSampleId :

G93K5DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.0	25.6	38.4
229	27.5	16.4	24.6

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#87

Benzo(b)fluoranthene

Concen: 8.29 ng/ul m

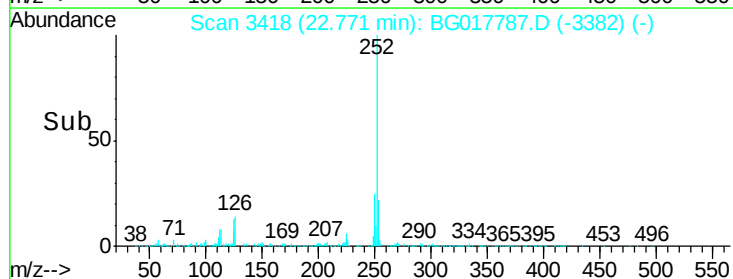
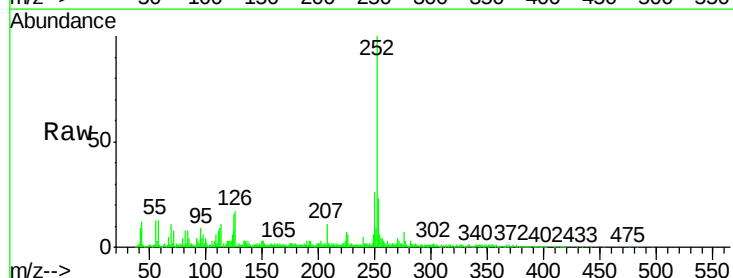
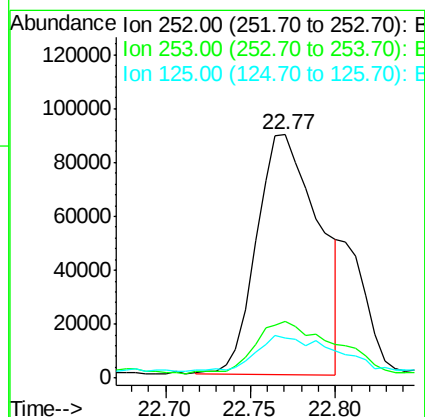
RT: 22.77 min Scan# 3418

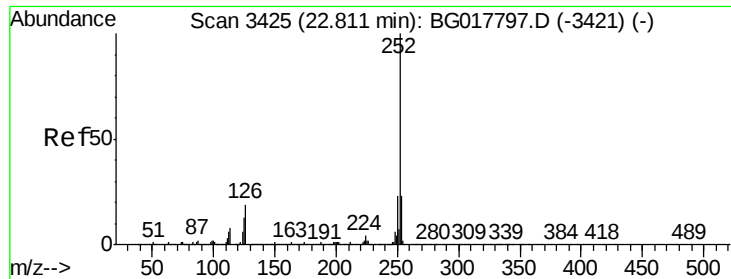
Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	16.8	25.2
125	16.5	10.4	15.6





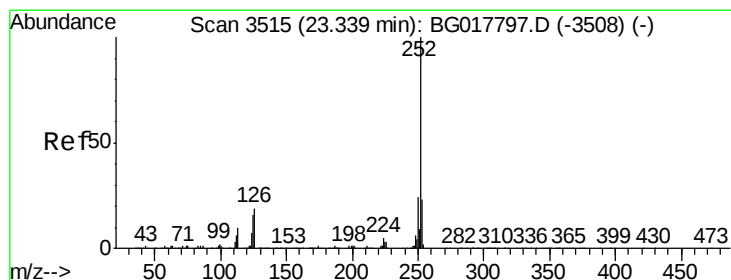
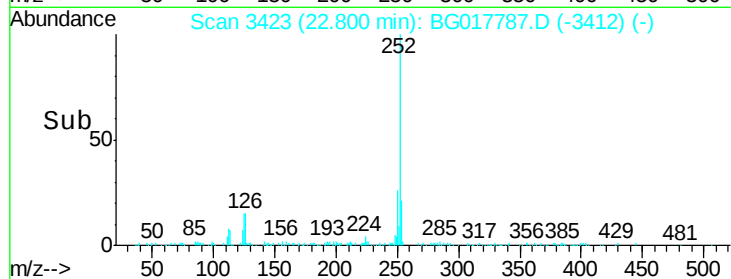
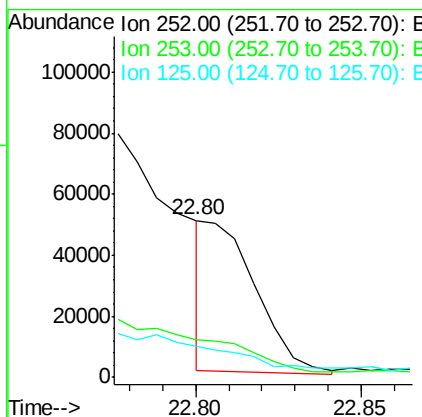
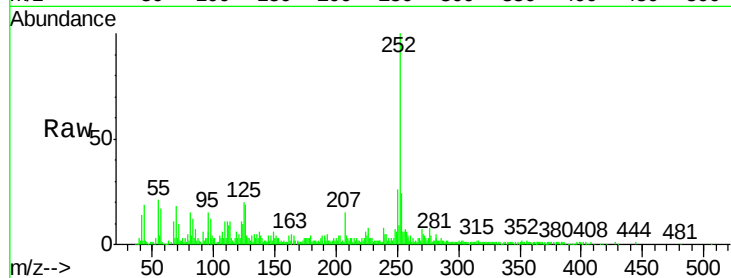
#88
Benzo(k)fluoranthene
Concen: 1.96 ng/ul m
RT: 22.80 min Scan# 3423
Delta R.T. -0.01 min
Lab File: BG017787.D
Acq: 7 Jul 2015 2:01

Instrument :
BNA_G
ClientSampleId :
G93K5DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50611		
253	24.3	17.6	26.4	
125	19.7	11.6	17.4	

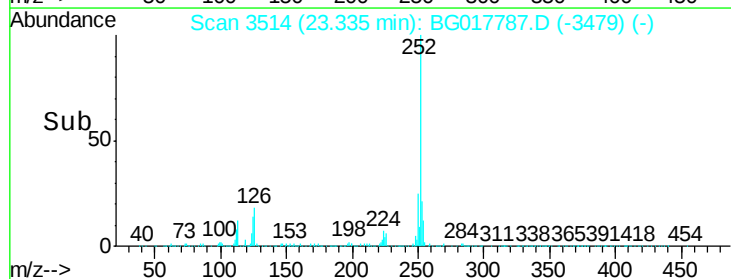
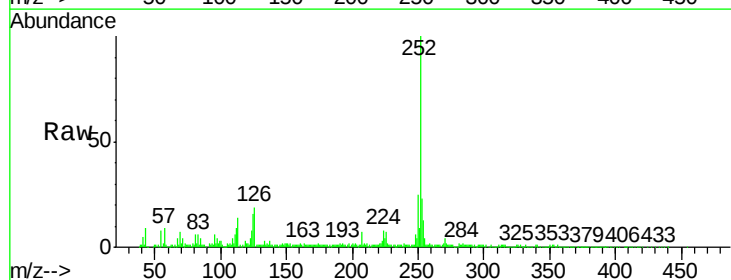
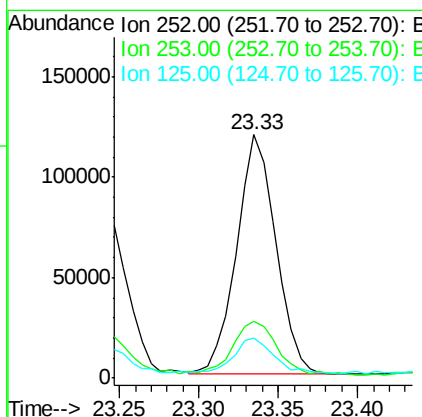
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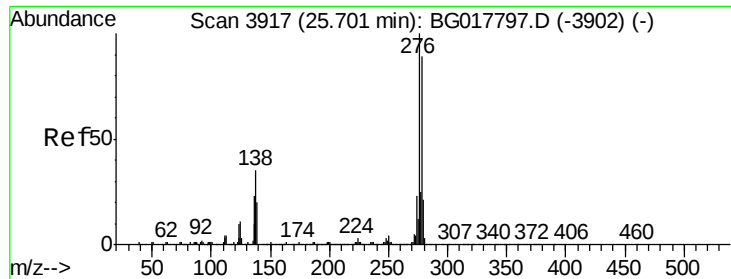
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#90
Benzo(a)pyrene
Concen: 7.89 ng/ul
RT: 23.33 min Scan# 3514
Delta R.T. 0.01 min
Lab File: BG017787.D
Acq: 7 Jul 2015 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	205408		
253	23.1	18.3	27.5	
125	16.2	12.1	18.1	





#91

Indeno(1,2,3-cd)pyrene

Concen: 3.96 ng/ul

RT: 25.69 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

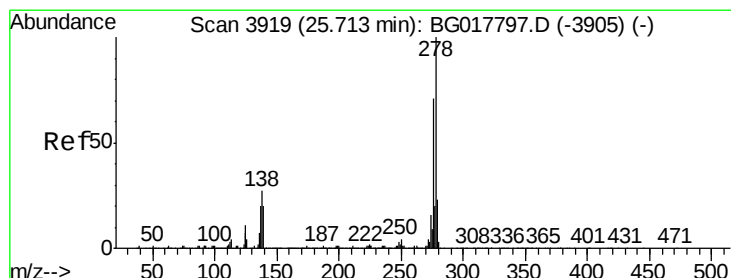
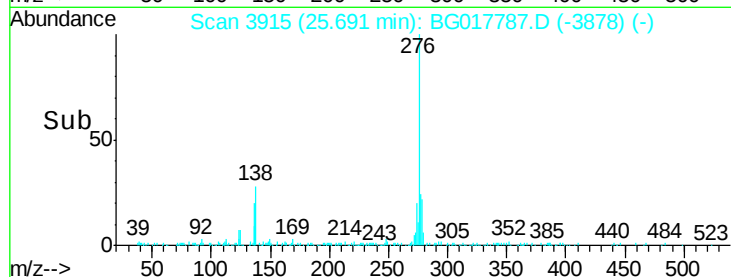
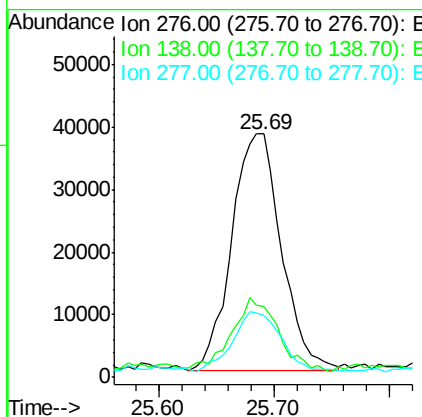
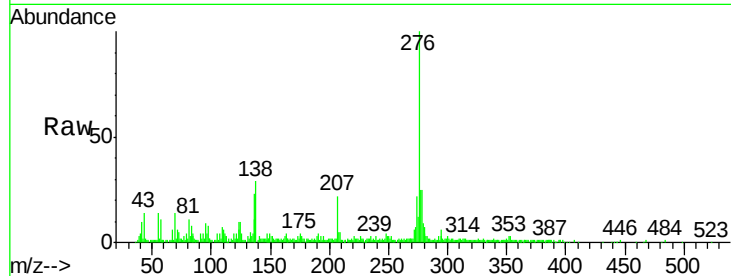
ClientSampleId :

G93K5DL

Tgt	Ion:276	Resp:	112608
Ion	Ratio	Lower	Upper
276	100		
138	29.0	26.1	39.1
277	25.5	20.9	31.3

Manual Integrations
APPROVED

apatel
7/9/2015 8:35:36 AM



#92

Dibenzo(a,h)anthracene

Concen: 1.29 ng/ul

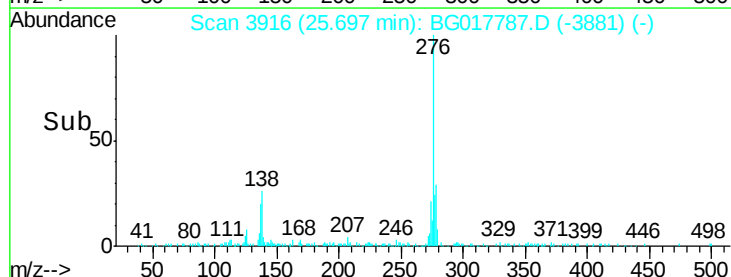
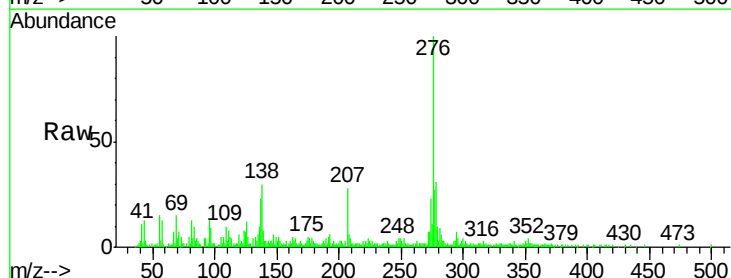
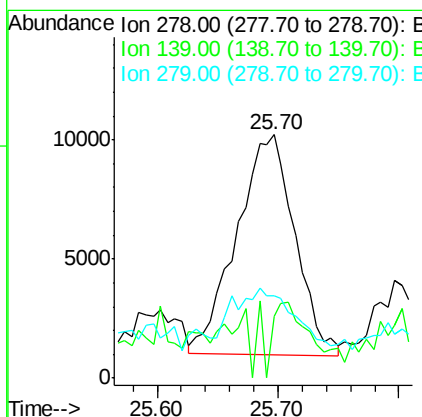
RT: 25.70 min Scan# 3916

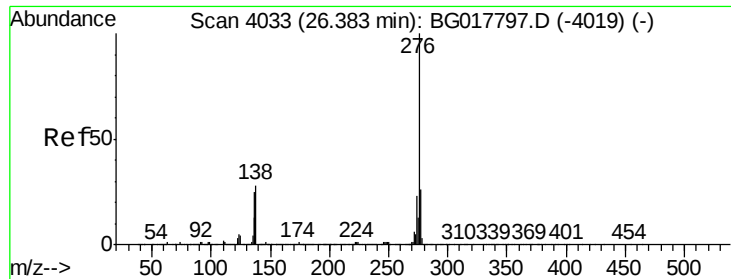
Delta R.T. 0.01 min

Lab File: BG017787.D

Acq: 7 Jul 2015 2:01

Tgt	Ion:278	Resp:	30892
Ion	Ratio	Lower	Upper
278	100		
139	25.3	16.3	24.5#
279	33.9	18.7	28.1#





#93

Benzo(g,h,i)perylene

Concen: 5.09 ng/ul

RT: 26.38 min Scan# 4032

Delta R.T. 0.01 min

Lab File: BG017787.D

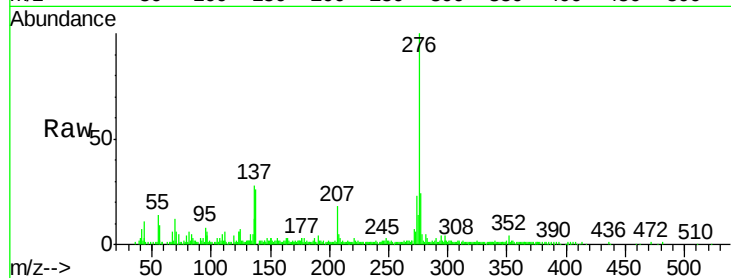
Acq: 7 Jul 2015 2:01

Instrument :

BNA_G

ClientSampleId :

G93K5DL



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	26.4	25.1	37.7	
277	24.1	18.7	28.1	

Manual Integrations
APPROVED

apatel
7/9/2015 8:35:36 AM

