

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018215.D
 Acq On : 1 Aug 2015 11:38
 Operator : TP/UM
 Sample : G3073-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01R0

Manual Integrations
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MMDadoda
 8/4/2015 12:24:25 PM

Quant Time: Aug 03 04:48:23 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	59021	20.00	ng/ul	0.01
18) Naphthalene-d8	10.27	136	259134	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	157639	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	253030	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	237395	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	246211	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1825	2.33	ng/uL	0.00
5) Phenol-d5	6.68	99	95290	17.96	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	46684	17.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	78580	19.60	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	75629	17.50	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	42103	20.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	39054	16.67	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.90	165	82976	20.04	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	72429	14.04	ng/ul	0.02
44) Dimethylphthalate-d6	13.57	166	244594	20.08	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	273567	19.37	ng/ul	0.01
52) 4-Nitrophenol-d4	14.41	143	29137	12.92	ng/ul	0.02
58) Fluorene-d10	15.16	176	181856	16.50	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.30	200	1947	1.10	ng/ul	0.00
71) Anthracene-d10	17.02	188	204416	18.58	ng/ul	0.01
79) Pyrene-d10	19.33	212	178837	15.57	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.18	264	195438	15.70	ng/ul	0.03

Target Compounds

						Qvalue
14) Acetophenone	8.31	105	7227	1.07	ng/ul	97
28) Naphthalene	10.32	128	18530	1.49	ng/ul#	95
45) Dimethylphthalate	13.63	163	129279	10.67	ng/ul	99
70) Phenanthrene	16.96	178	99205	7.72	ng/ul	98
72) Anthracene	17.05	178	26087	2.04	ng/ul	98
76) Di-n-butylphthalate	17.90	149	26990	1.91	ng/ul#	96
77) Fluoranthene	18.99	202	212129	15.03	ng/ul#	93
80) Pyrene	19.36	202	189781	13.18	ng/ul#	92
81) Butylbenzylphthalate	20.27	149	27269	4.66	ng/ul#	82
83) Benzo(a)anthracene	21.11	228	124039	9.70	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.05	149	116138	14.72	ng/ul	95
85) Chrysene	21.17	228	125737	10.74	ng/ul	96
88) Benzo(b)fluoranthene	22.66	252	213299	14.42	ng/ul	96
89) Benzo(k)fluoranthene	22.70	252	73726m	5.42	ng/ul	
91) Benzo(a)pyrene	23.22	252	137937	10.42	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.51	276	75289	4.92	ng/ul#	89
93) Dibenzo(a,h)anthracene	25.52	278	21037	1.60	ng/ul#	87
94) Benzo(g,h,i)perylene	26.20	276	59637	4.77	ng/ul#	91

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

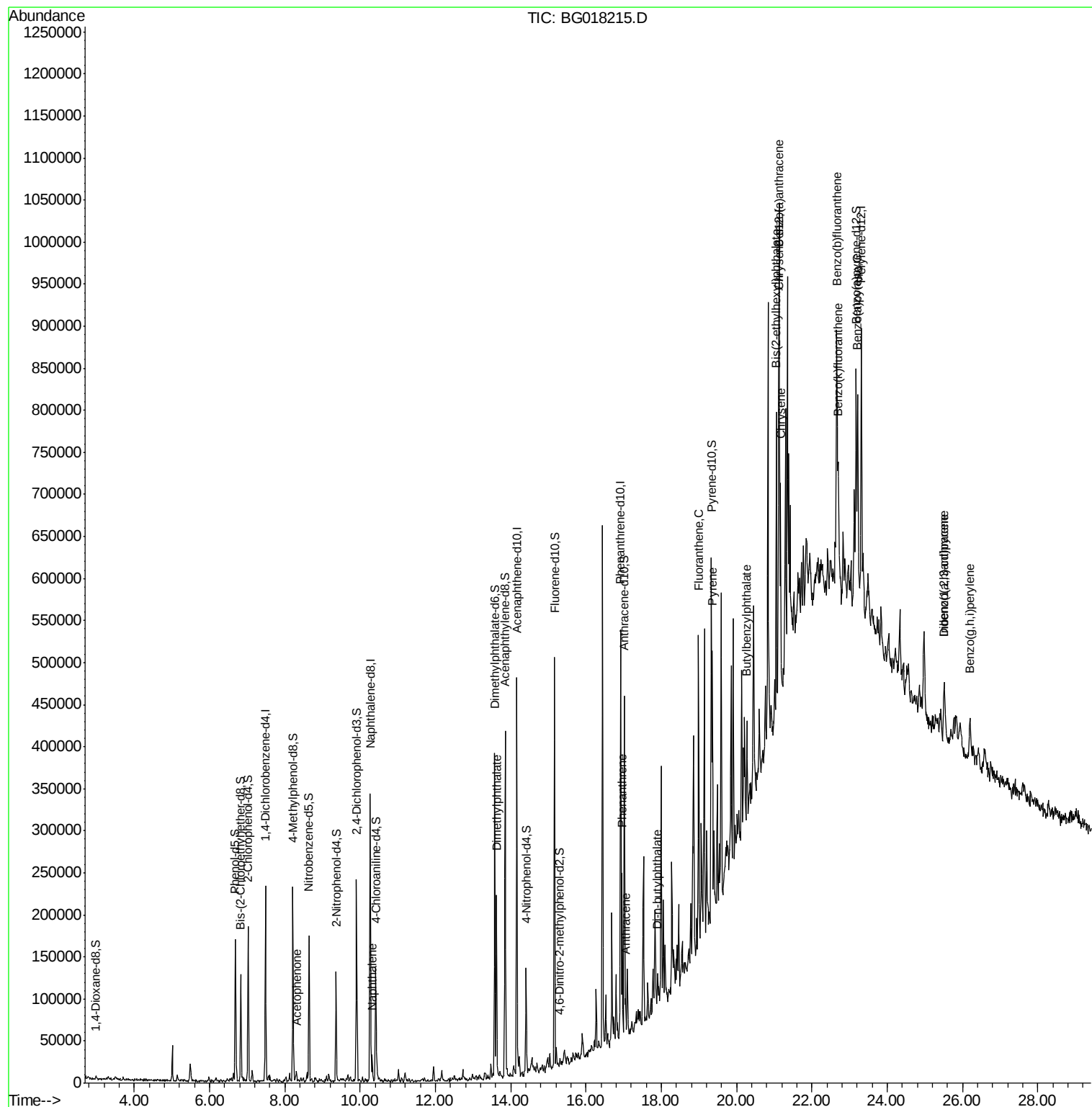
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018215.D
Acq On : 1 Aug 2015 11:38
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Sample : G3073-12
Misc :
ALS Vial : 35 Sample Multiplier: 1

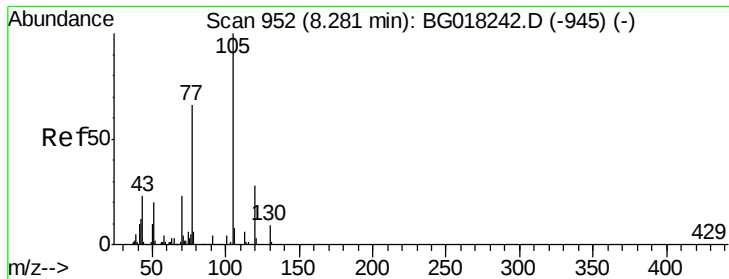
Instrument :
BNA_G
ClientSampled :
C01R0

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 1.07 ng/ul

RT: 8.31 min Scan# 957

Delta R.T. 0.01 min

Lab File: BG018215.D

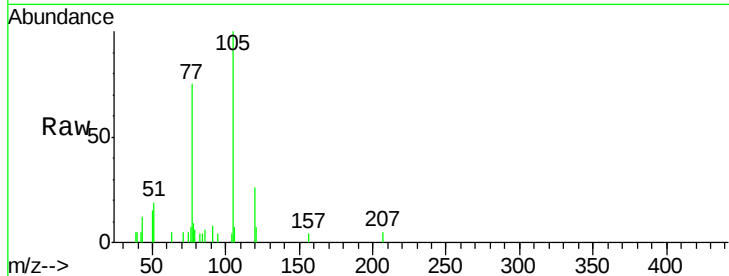
Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampled :

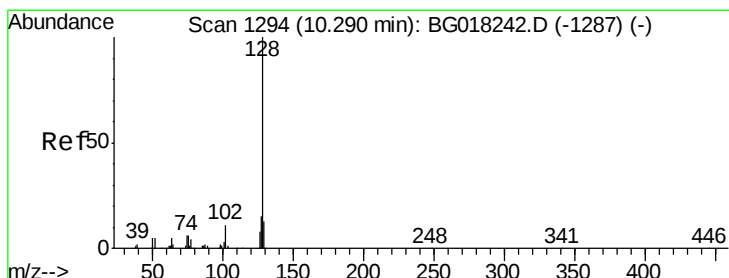
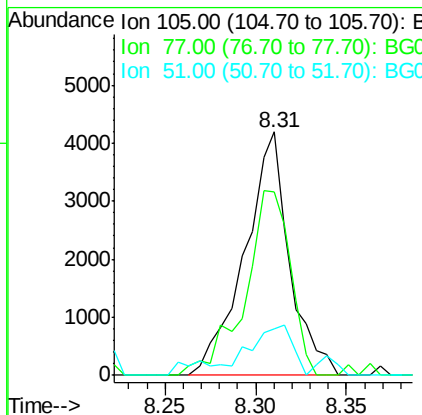
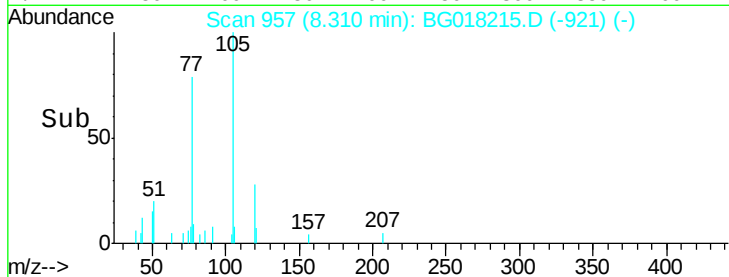
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Tgt Ion	Ratio	Resp	Lower	Upper
105	100	7227		
77	75.1	58.4	87.6	
51	18.9	16.5	24.7	

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#28

Naphthalene

Concen: 1.49 ng/ul

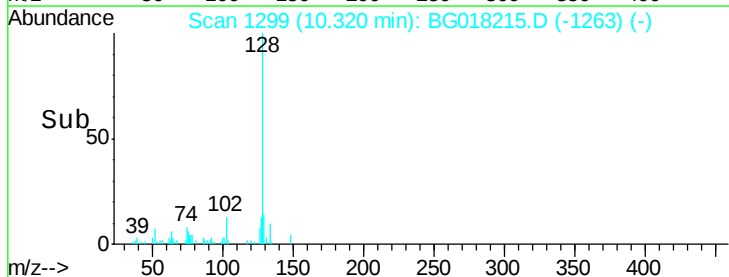
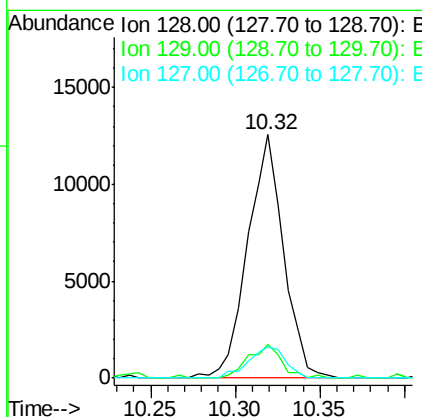
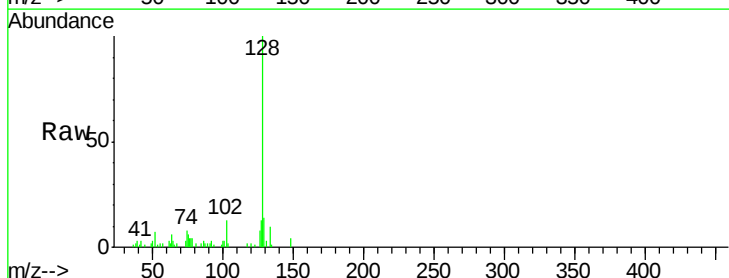
RT: 10.32 min Scan# 1299

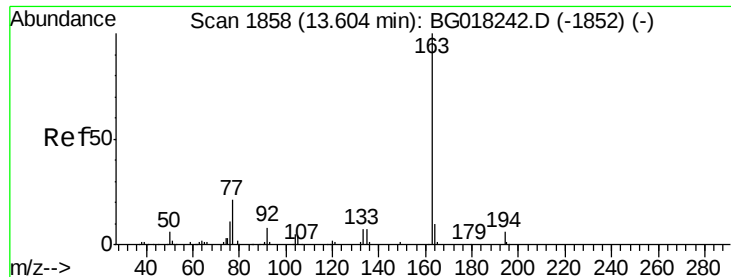
Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	18530		
129	13.8	9.1	13.7#	
127	12.7	11.2	16.8	





#45

Dimethylphthalate

Concen: 10.67 ng/ul

RT: 13.63 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

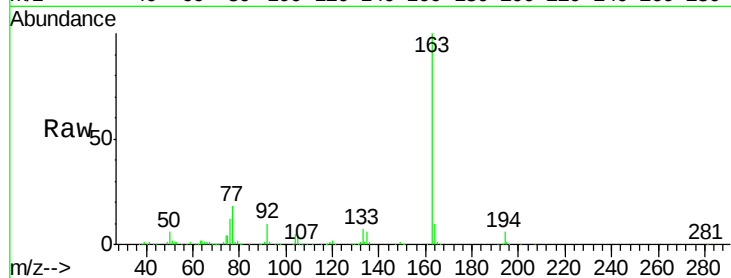
ClientSampleId :

C01R0

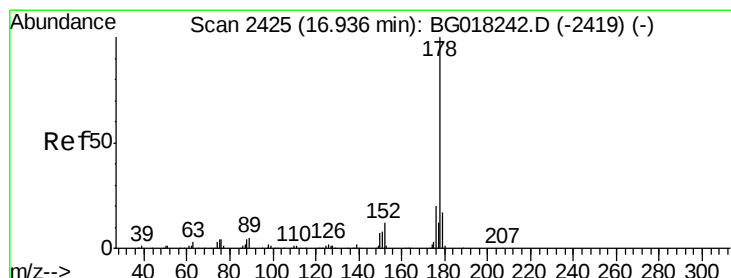
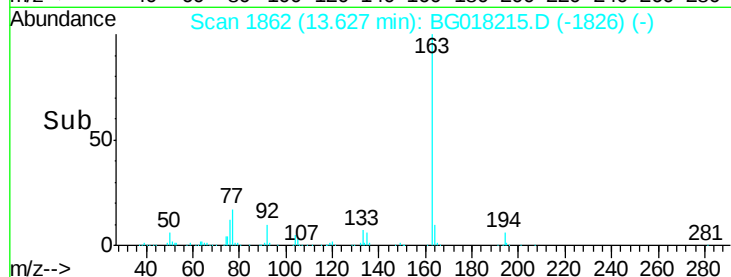
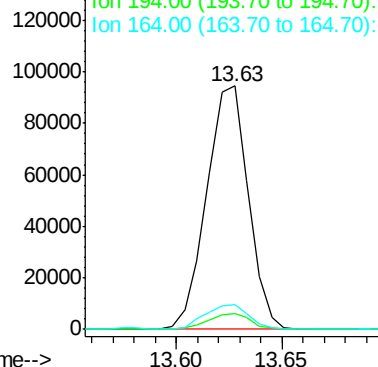
Tgt Ion:	163	Resp:	129279
Ion Ratio		Lower	Upper
163	100		
194	6.2	5.2	7.8
164	10.2	8.4	12.6

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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



#70

Phenanthrene

Concen: 7.72 ng/ul

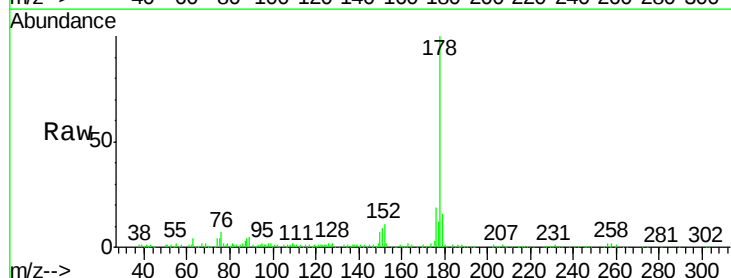
RT: 16.96 min Scan# 2429

Delta R.T. 0.01 min

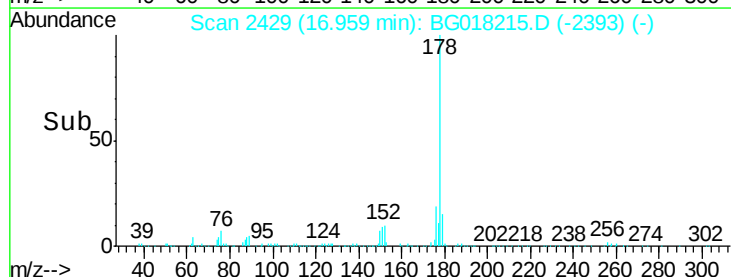
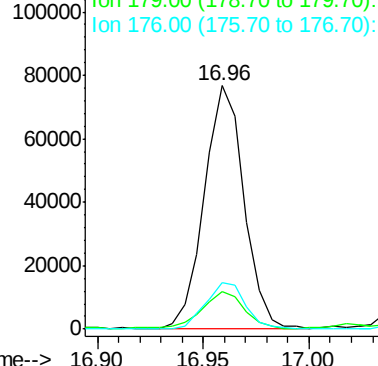
Lab File: BG018215.D

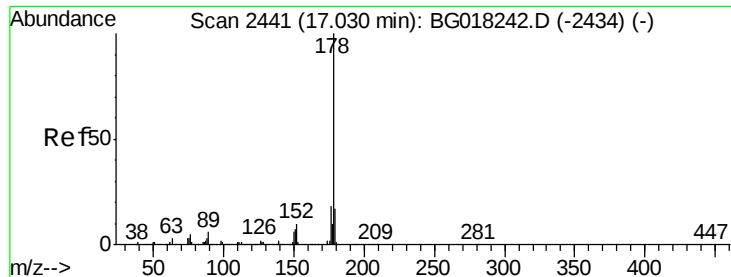
Acq: 1 Aug 2015 11:38

Tgt Ion:	178	Resp:	99205
Ion Ratio		Lower	Upper
178	100		
179	15.5	12.8	19.2
176	19.0	16.0	24.0



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





#72

Anthracene

Concen: 2.04 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

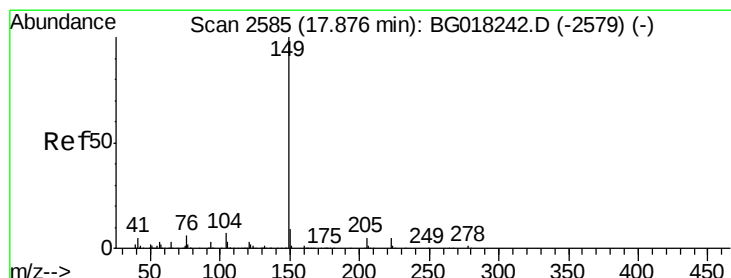
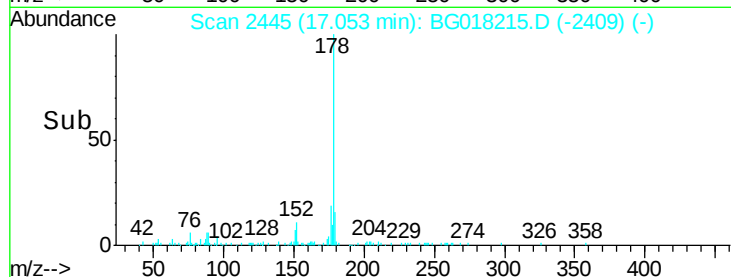
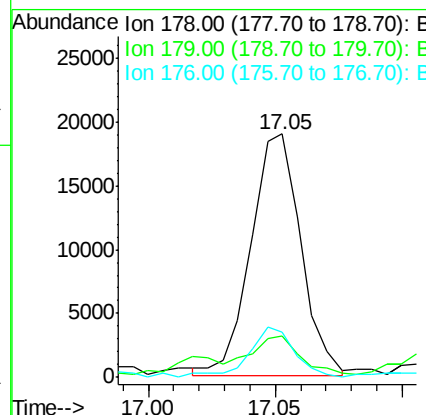
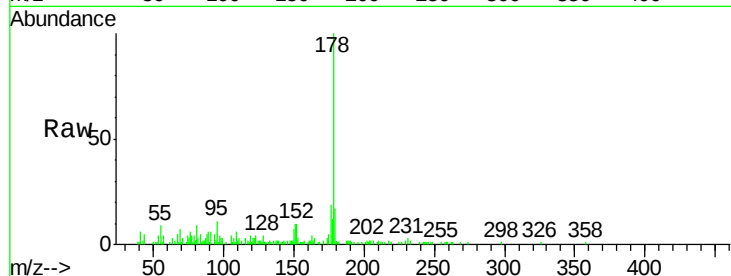
ClientSampled :

C01R0

Tgt Ion:	178	Resp:	26087
Ion Ratio	Lower	Upper	
178	100		
179	17.1	12.2	18.2
176	18.7	14.8	22.2

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#76

Di-n-butylphthalate

Concen: 1.91 ng/ul

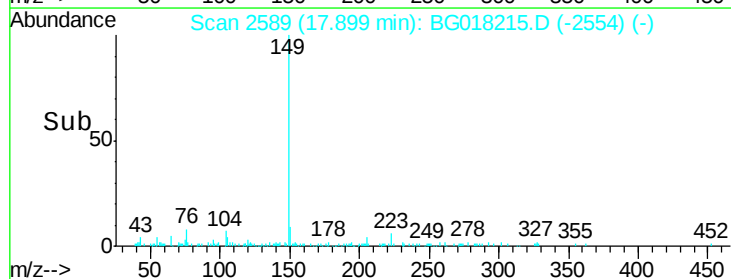
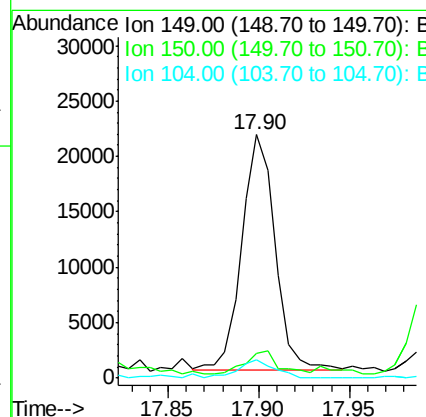
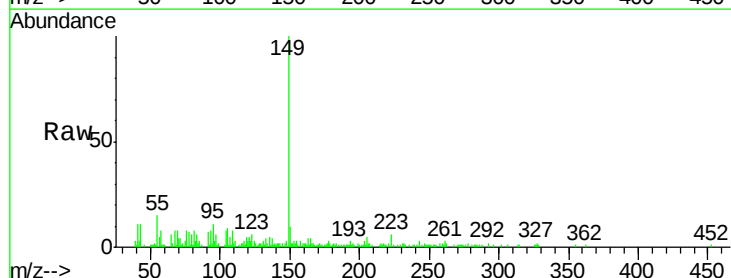
RT: 17.90 min Scan# 2589

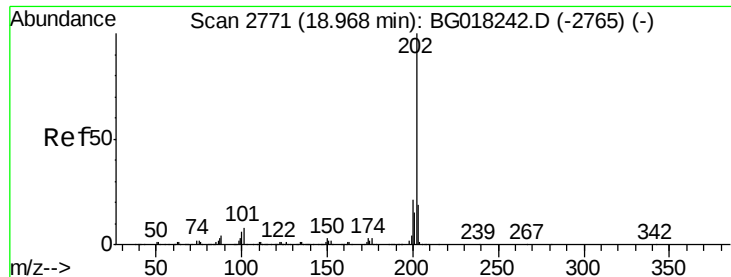
Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Tgt Ion:	149	Resp:	26990
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.7	11.5
104	7.5	3.6	5.4#





#77

Fluoranthene

Concen: 15.03 ng/ul

RT: 18.99 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

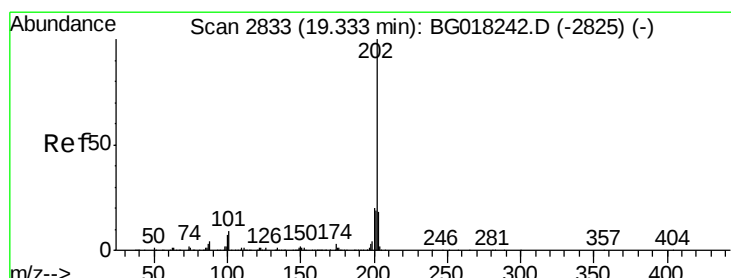
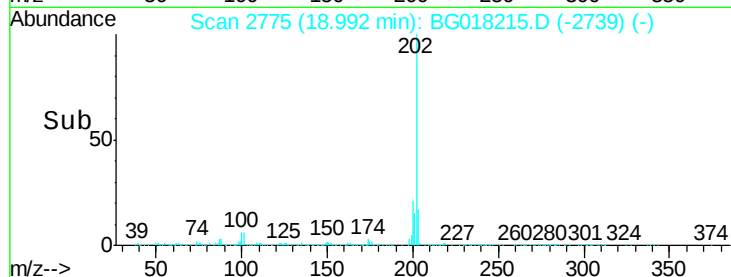
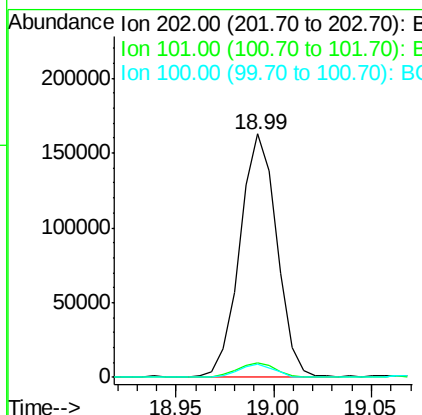
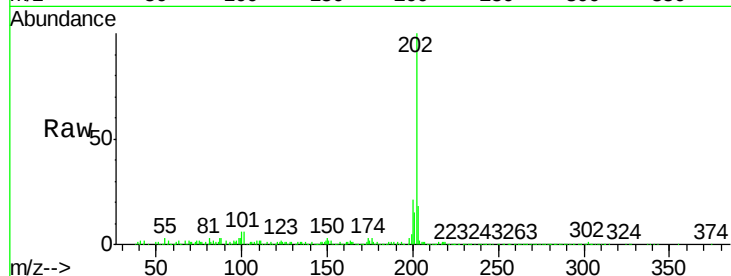
ClientSampleId :

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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		212129		
101	5.9		7.5	11.3#	
100	5.5		5.5	8.3	

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#80

Pyrene

Concen: 13.18 ng/ul

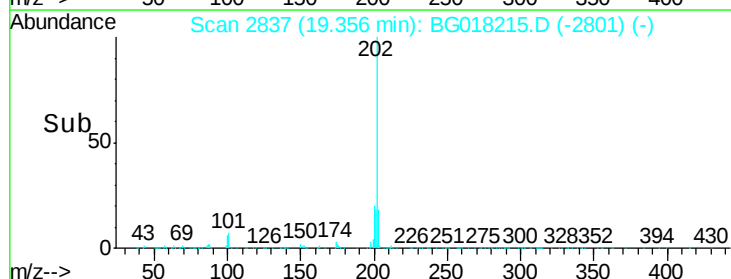
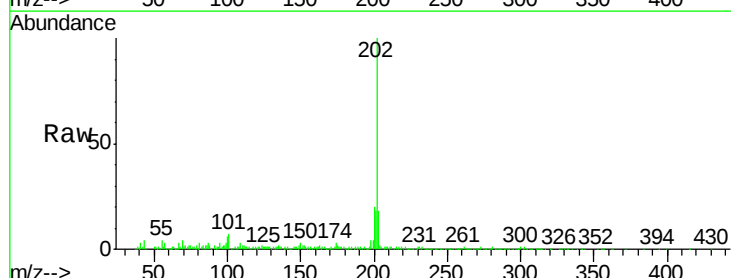
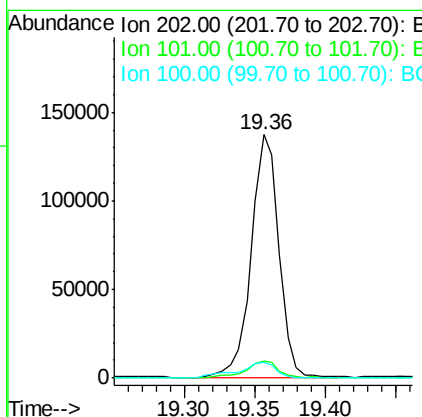
RT: 19.36 min Scan# 2837

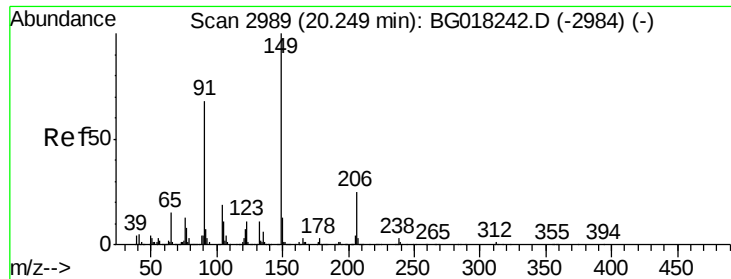
Delta R.T. 0.01 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		189781		
101	7.1		8.1	12.1#	
100	6.2		7.4	11.0#	





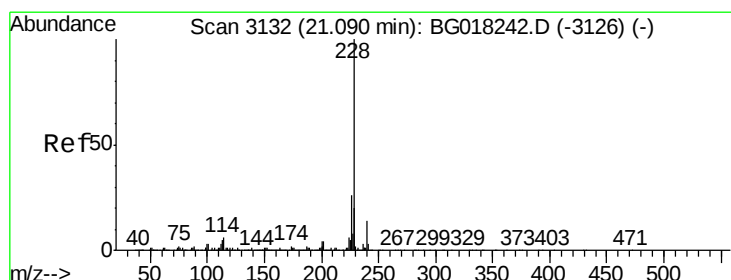
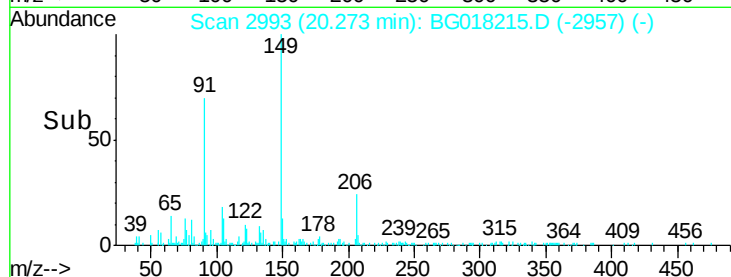
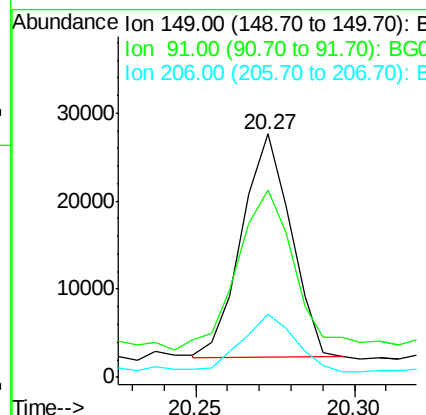
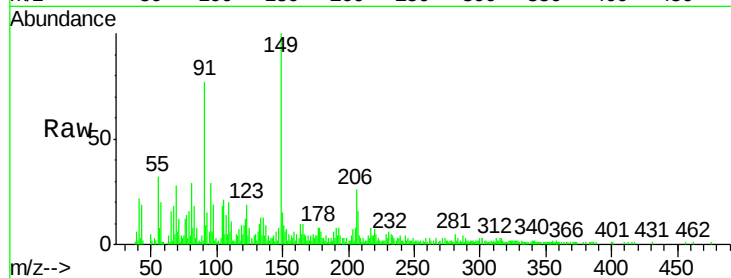
#81
Butylbenzylphthalate
Concen: 4.66 ng/ul
RT: 20.27 min Scan# 2993
Delta R.T. 0.01 min
Lab File: BG018215.D
Acq: 1 Aug 2015 11:38

Instrument :
BNA_G
ClientSampleId :
C01R0

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	27269		
91	76.7	46.6	69.8#	
206	25.8	21.8	32.8	

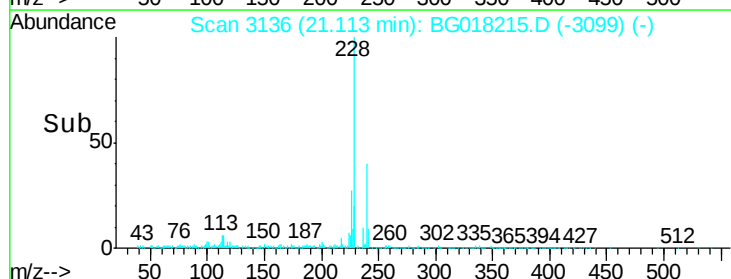
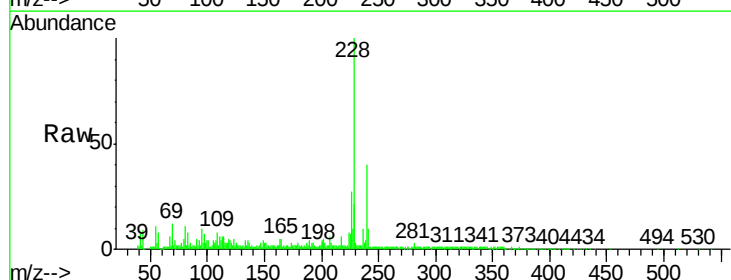
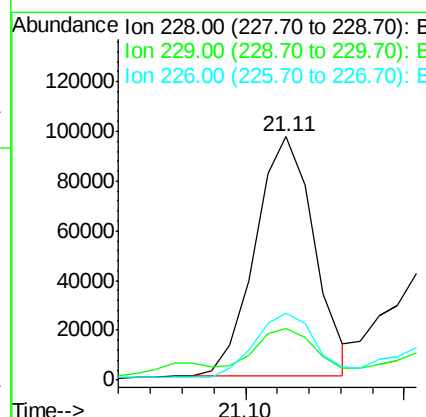
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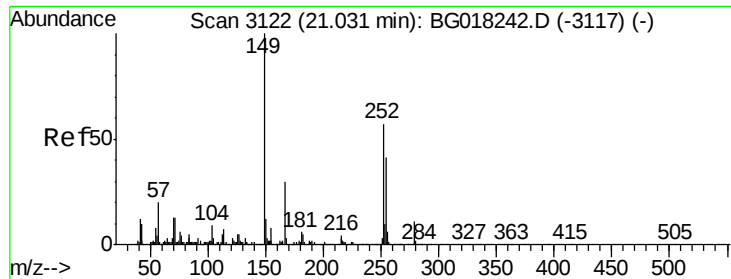
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#83
Benzo(a)anthracene
Concen: 9.70 ng/ul
RT: 21.11 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BG018215.D
Acq: 1 Aug 2015 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	124039		
229	21.0	16.5	24.7	
226	27.3	21.5	32.3	





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.72 ng/ul

RT: 21.05 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BG018215.D

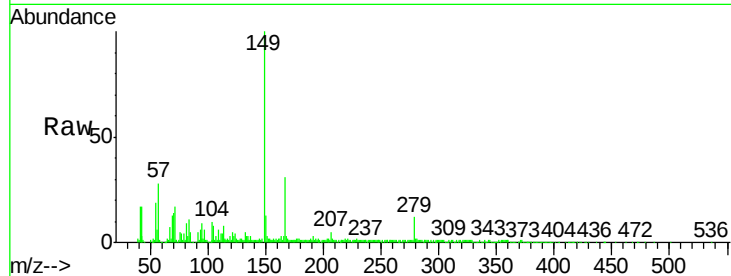
Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

ClientSampleId :

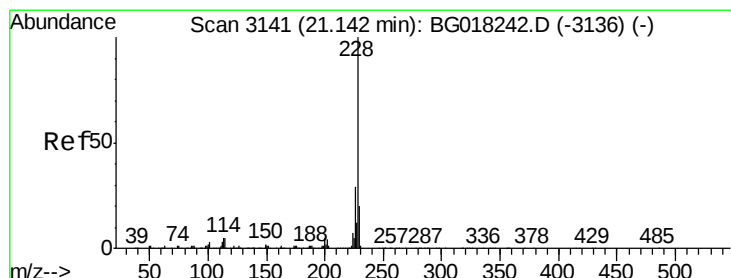
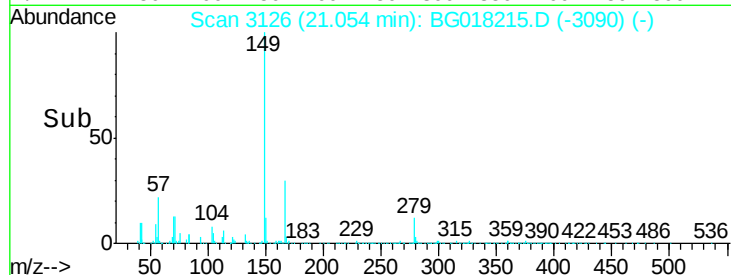
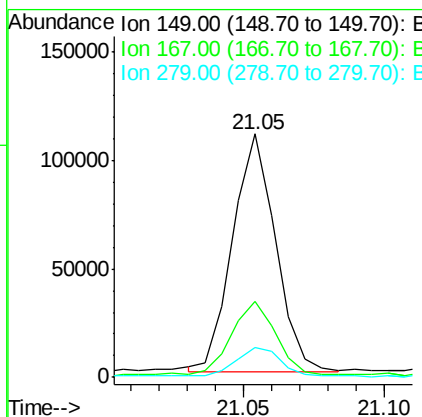
C01R0



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	116138		
167	31.2	27.4	41.2	
279	12.3	8.3	12.5	

Manual Integrations
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#85

Chrysene

Concen: 10.74 ng/ul

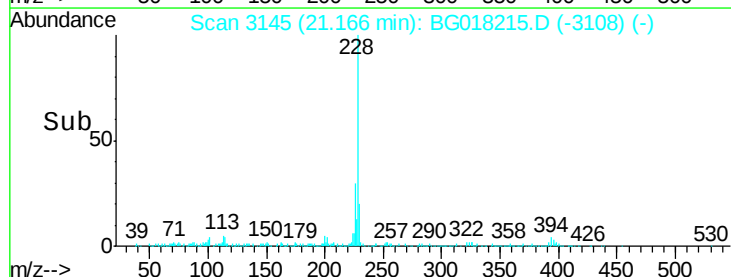
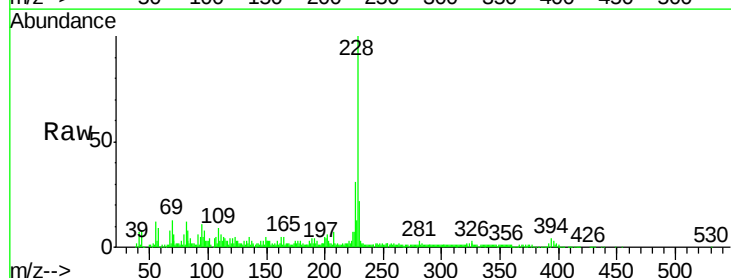
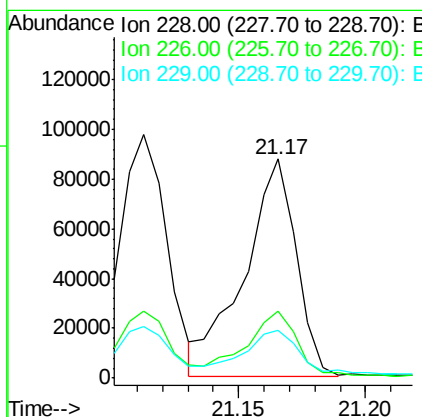
RT: 21.17 min Scan# 3145

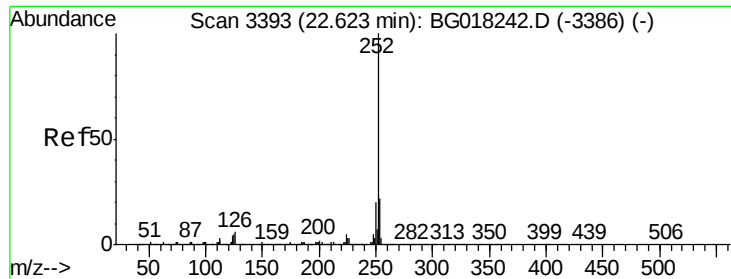
Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	125737		
226	30.5	22.7	34.1	
229	21.8	16.2	24.2	





#88

Benzo(b)fluoranthene

Concen: 14.42 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

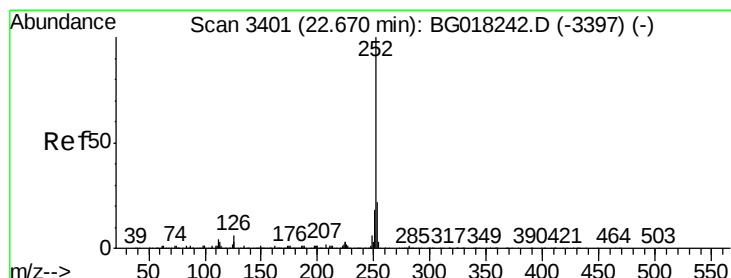
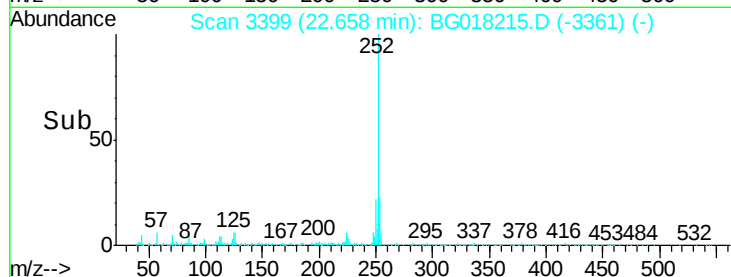
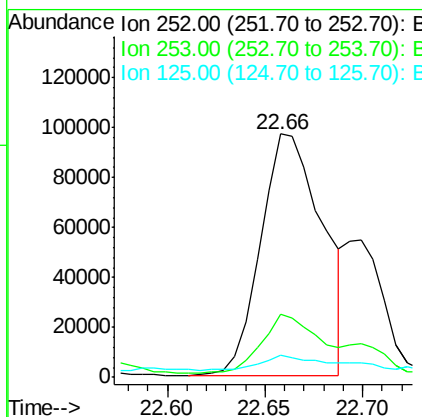
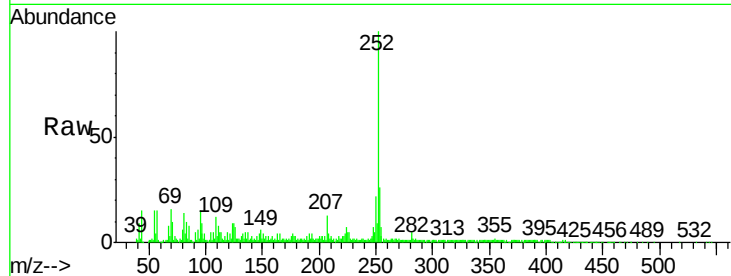
ClientSampleId :

C01R0

Tgt Ion:	252	Resp:	213299
Ion Ratio		Lower	Upper
252	100		
253	26.0	18.5	27.7
125	9.0	7.4	11.0

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 5.42 ng/ul m

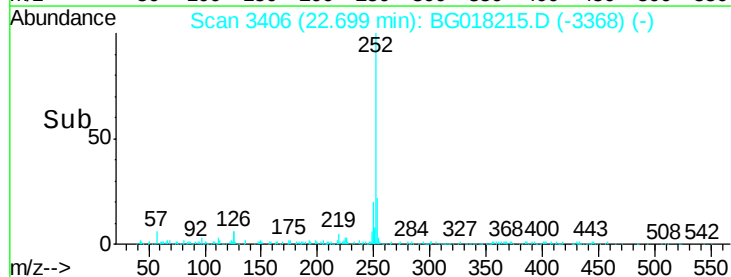
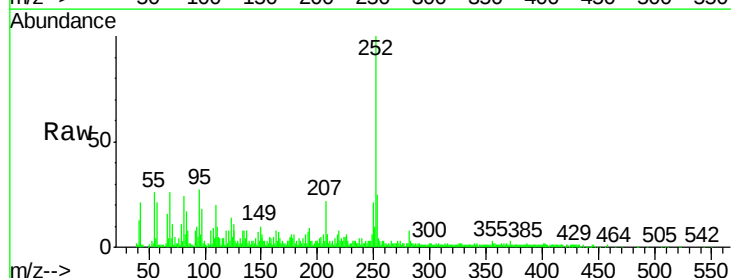
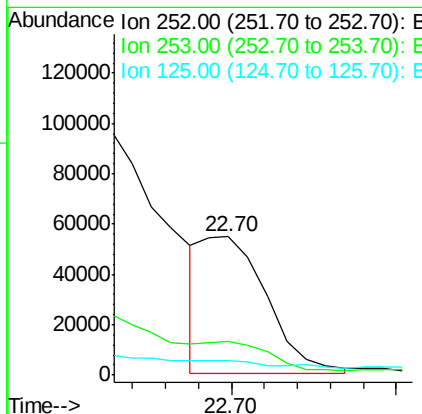
RT: 22.70 min Scan# 3406

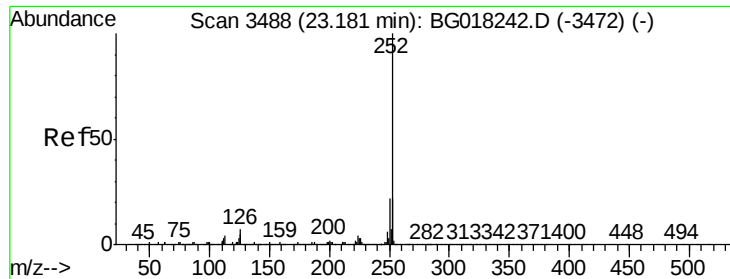
Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Tgt Ion:	252	Resp:	73726
Ion Ratio		Lower	Upper
252	100		
253	24.5	18.2	27.2
125	10.5	7.5	11.3





#91

Benzo(a)pyrene

Concen: 10.42 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

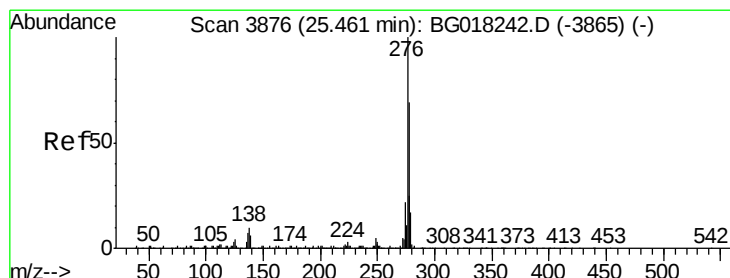
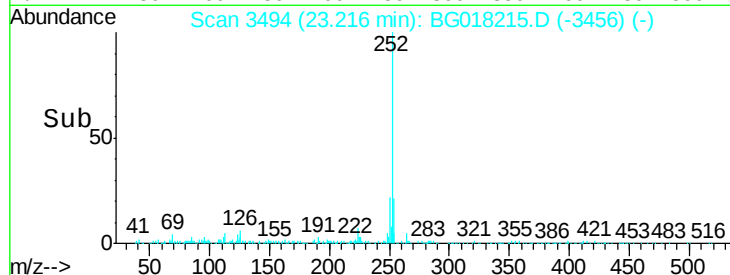
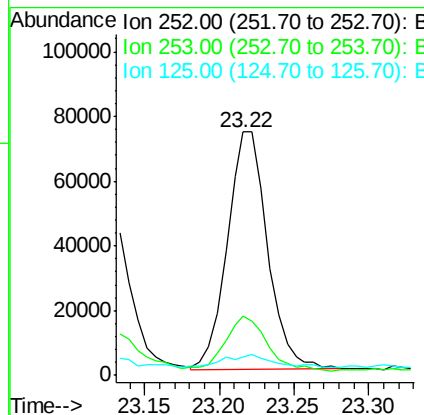
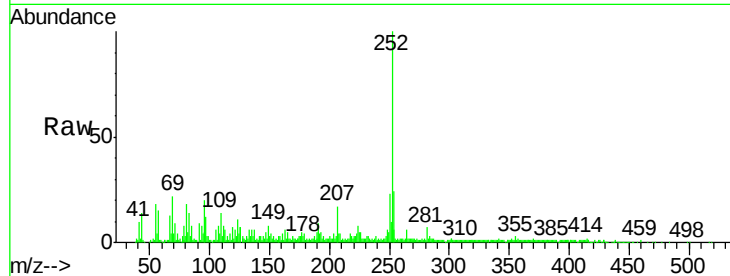
ClientSampleId :

C01R0

Tgt Ion:	252	Resp:	137937
Ion Ratio		Lower	Upper
252	100		
253	24.3	17.4	26.2
125	7.5	7.3	10.9

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 4.92 ng/ul

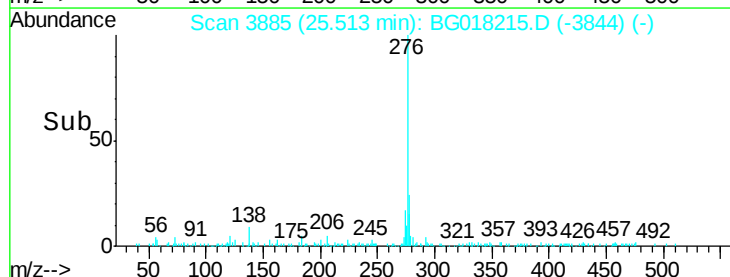
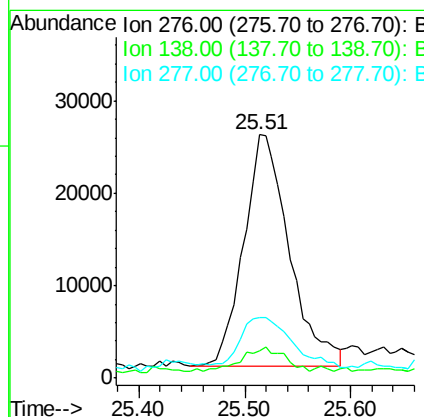
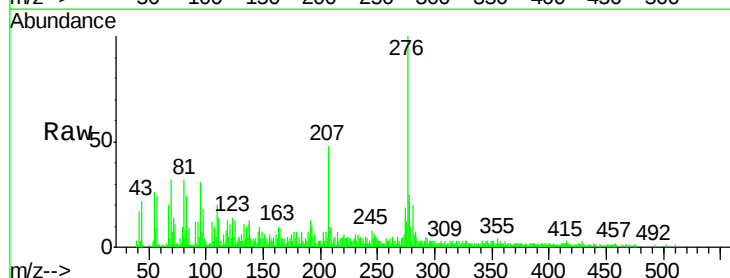
RT: 25.51 min Scan# 3885

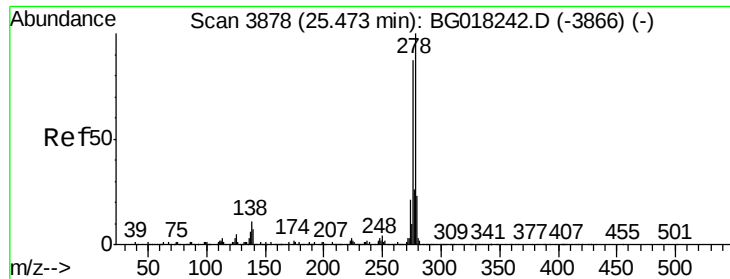
Delta R.T. 0.04 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Tgt Ion:	276	Resp:	75289
Ion Ratio		Lower	Upper
276	100		
138	11.2	17.2	25.8#
277	24.7	19.5	29.3





#93

Dibenzo(a,h)anthracene

Concen: 1.60 ng/ul

RT: 25.52 min Scan# 3886

Delta R.T. 0.03 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Instrument :

BNA_G

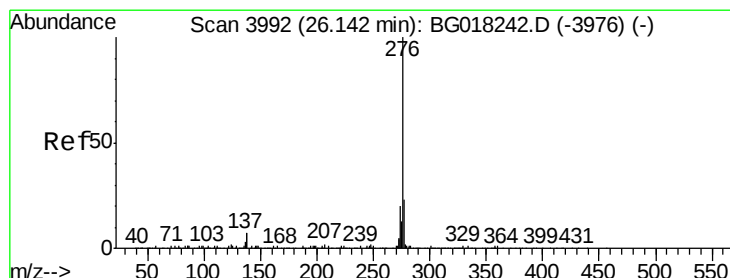
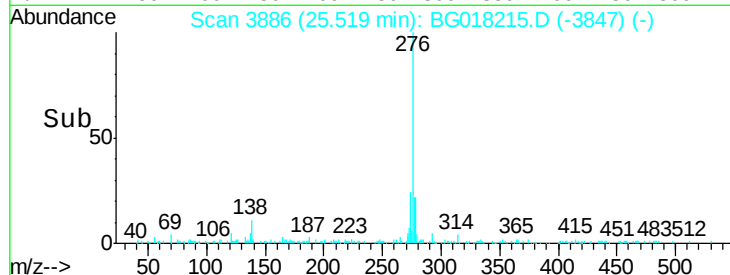
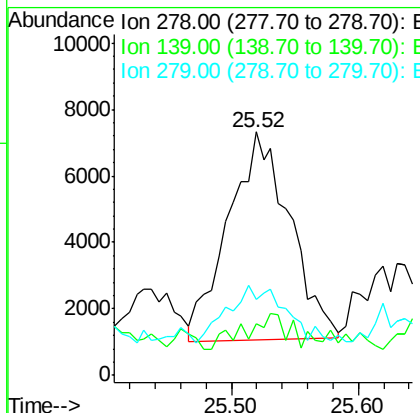
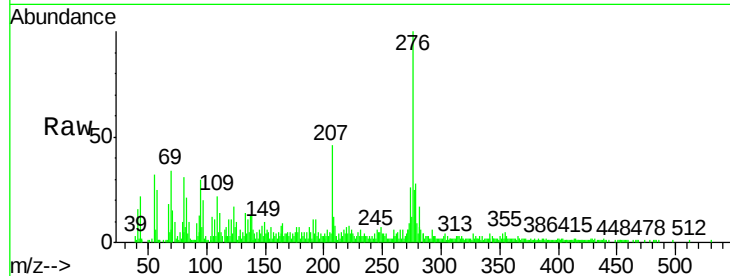
ClientSampleId :

C01R0

Tgt Ion:	278	Resp:	21037
Ion Ratio	Lower	Upper	
278	100		
139	21.3	12.2	18.2#
279	31.3	20.0	30.0#

Manual Integrations
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#94

Benzo(g,h,i)perylene

Concen: 4.77 ng/ul

RT: 26.20 min Scan# 4001

Delta R.T. 0.05 min

Lab File: BG018215.D

Acq: 1 Aug 2015 11:38

Tgt Ion:	276	Resp:	59637
Ion Ratio	Lower	Upper	
276	100		
138	13.1	15.1	22.7#
277	28.0	19.8	29.6

