

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

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 8/4/2015 12:24:17 PM

Quant Time: Aug 11 19:19:18 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	7.48	152	54995	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	224674	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	102574	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	196967	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	219448	20.00	ng/ul	0.01
86) Perylene-d12	23.31	264	222297	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1407	1.93	ng/uL	0.00
5) Phenol-d5	6.69	99	64942	13.13	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	36941	14.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	52944	14.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	48041	11.93	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	28431	16.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	23219	11.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	53591	14.93	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	33780m	7.55	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	117579	14.83	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	130790	14.23	ng/ul	0.01
52) 4-Nitrophenol-d4	14.41	143	12620	8.60	ng/ul	0.02
58) Fluorene-d10	15.16	176	91858	12.81	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.02	188	122280m	14.28	ng/ul	0.01
79) Pyrene-d10	19.33	212	122920	11.58	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.17	264	135292	12.03	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.32	128	49976	4.62	ng/ul	98
34) 2-Methylnaphthalene	11.95	142	24619	2.88	ng/ul	97
45) Dimethylphthalate	13.62	163	65975	8.37	ng/ul	99
50) Acenaphthene	14.23	153	13706	2.31	ng/ul	97
59) Fluorene	15.22	166	13254	1.72	ng/ul#	92
70) Phenanthrene	16.96	178	84777	8.47	ng/ul	98
72) Anthracene	17.06	178	25814m	2.59	ng/ul	
77) Fluoranthene	18.99	202	195912	17.83	ng/ul#	93
80) Pyrene	19.36	202	187070	14.05	ng/ul#	93
83) Benzo(a)anthracene	21.11	228	83983	7.11	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.05	149	25533m	3.50	ng/ul	
85) Chrysene	21.16	228	99781	9.22	ng/ul	95
88) Benzo(b)fluoranthene	22.66	252	182832	13.69	ng/ul#	84
89) Benzo(k)fluoranthene	22.70	252	47239m	3.85	ng/ul	
91) Benzo(a)pyrene	23.22	252	106246	8.89	ng/ul#	73
92) Indeno(1,2,3-cd)pyrene	25.52	276	57226	4.14	ng/ul#	88
94) Benzo(g,h,i)perylene	26.20	276	41777	3.70	ng/ul#	92

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

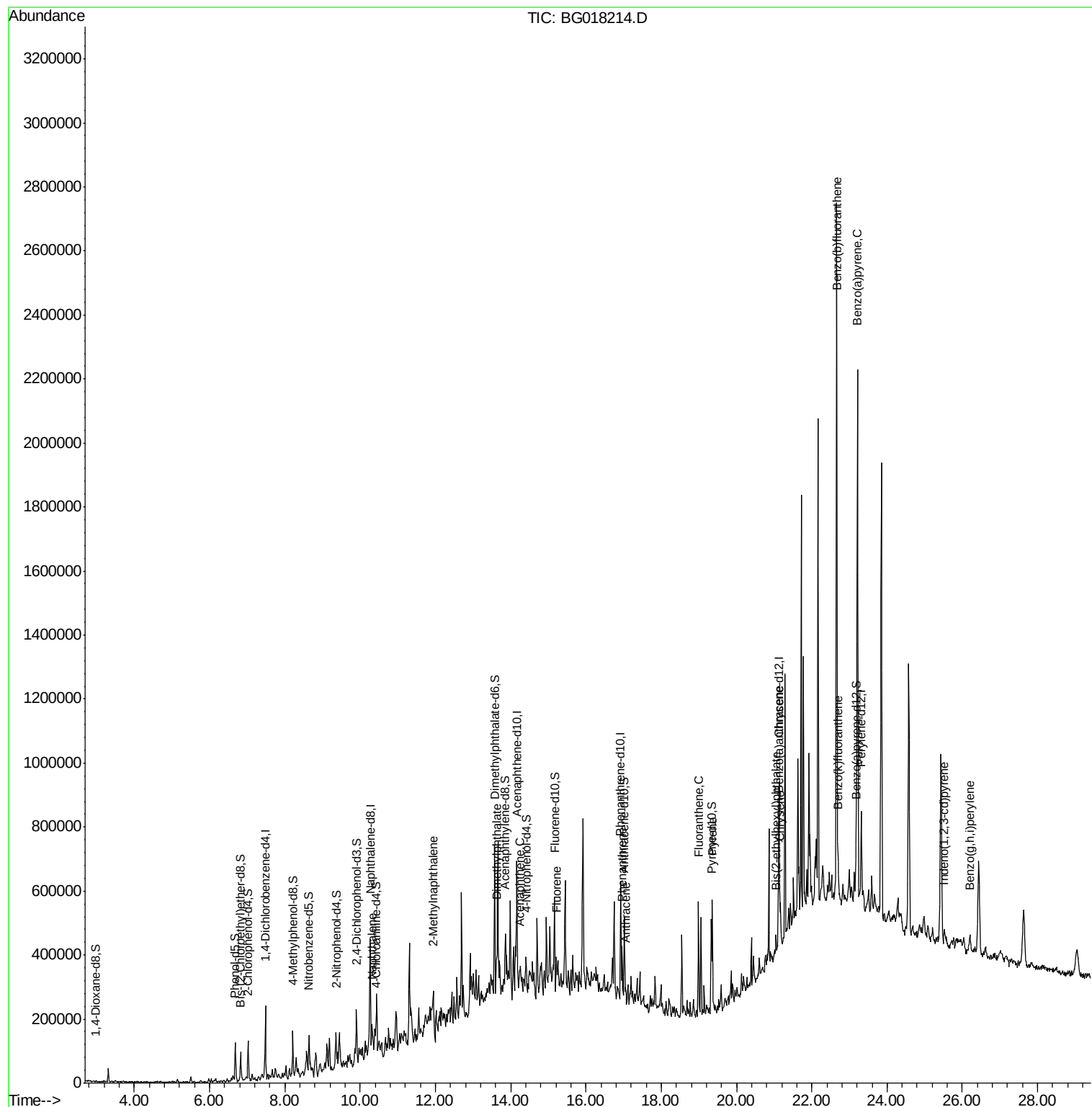
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018214.D
Acq On : 1 Aug 2015 11:03
Operator : TP/UM
Sample : G3073-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

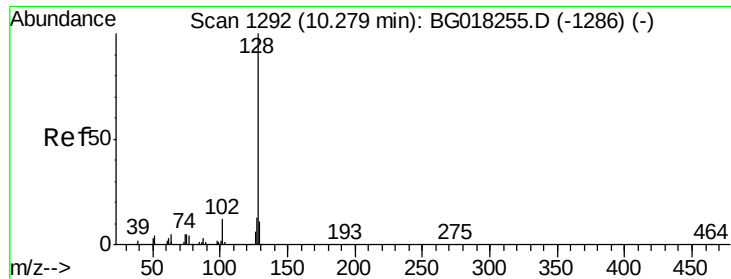
Instrument :
BNA_G
ClientSampleId :
C01Q2

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Quant Title : SVOA CALIBRATION
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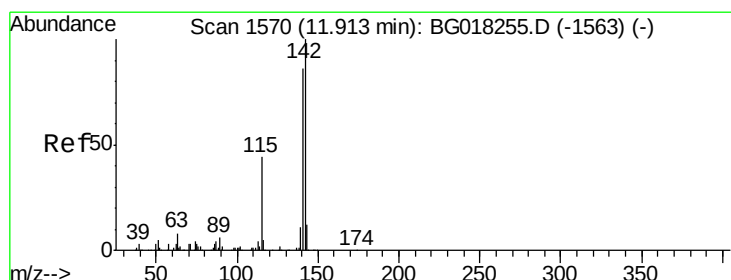
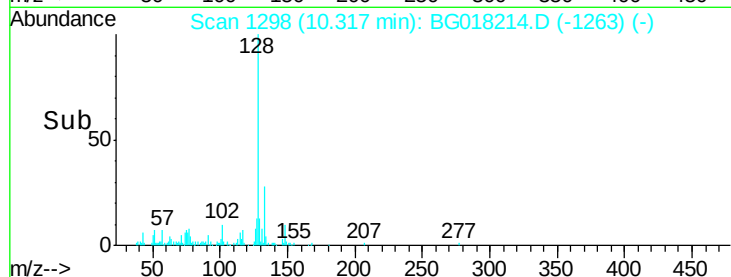
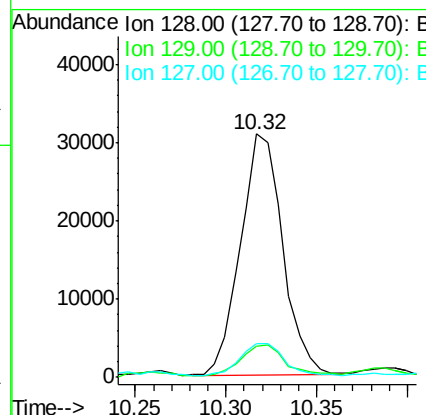
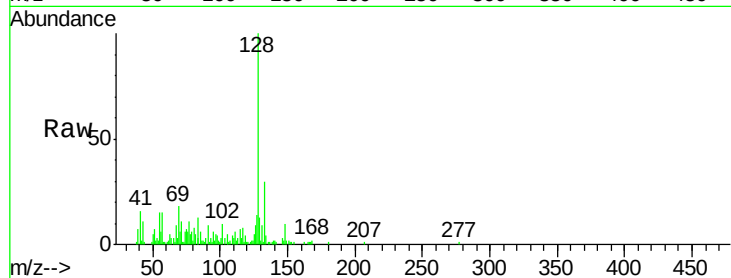
#28
Naphthalene
Concen: 4.62 ng/ul
RT: 10.32 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Instrument :
BNA_G
ClientSampleId :
C01Q2

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	49976		
129	12.8		9.1	13.7
127	14.1		11.2	16.8

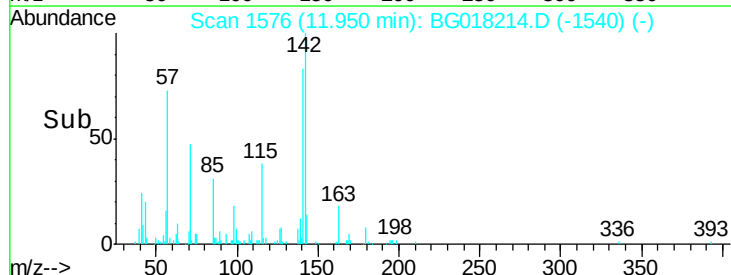
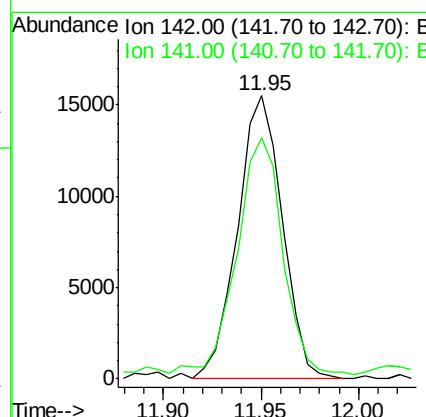
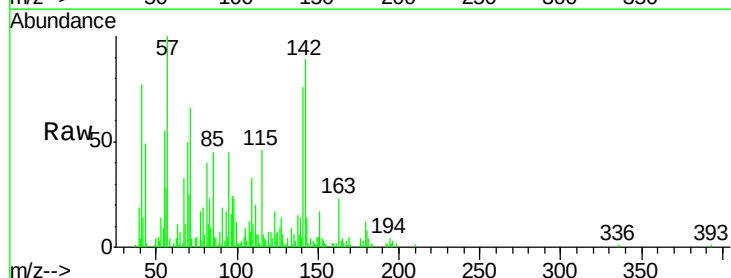
Manual Integrations
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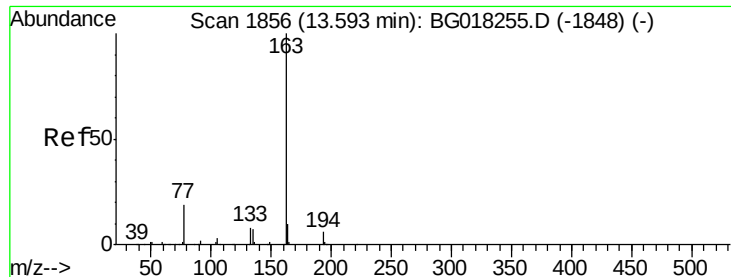
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#34
2-Methylnaphthalene
Concen: 2.88 ng/ul
RT: 11.95 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	24619		
141	85.0		70.3	105.5





#45

Dimethylphthalate

Concen: 8.37 ng/ul

RT: 13.62 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

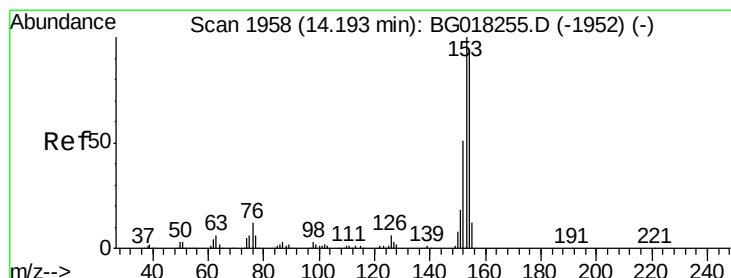
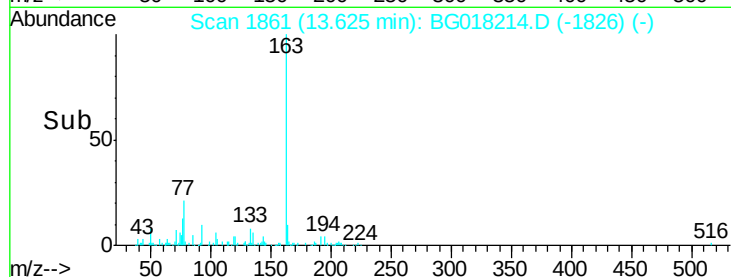
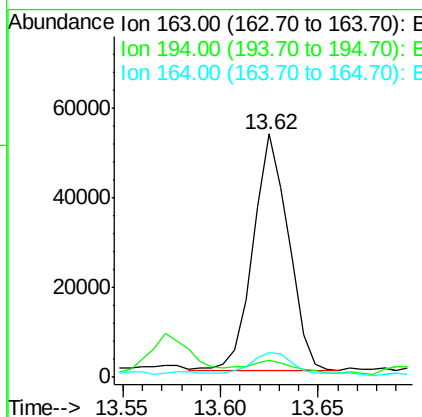
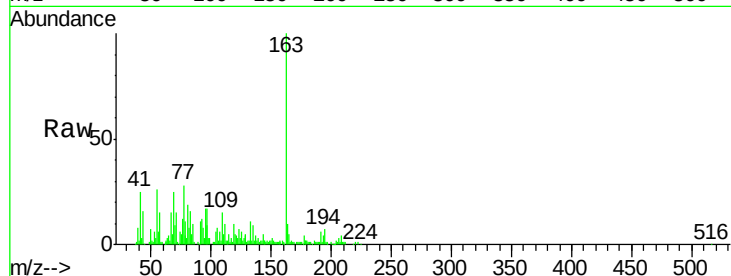
ClientSampleId :

C01Q2

Tgt Ion:	163	Resp:	65975
Ion Ratio	Lower	Upper	
163	100		
194	7.3	5.2	7.8
164	10.2	8.4	12.6

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#50

Acenaphthene

Concen: 2.31 ng/ul

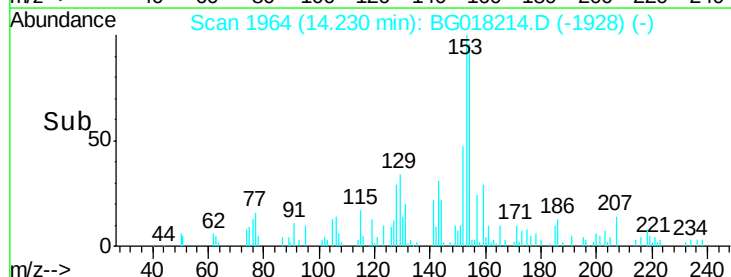
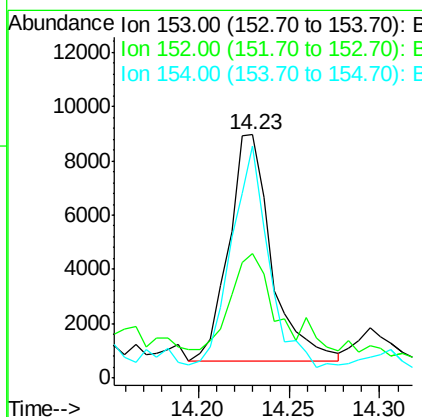
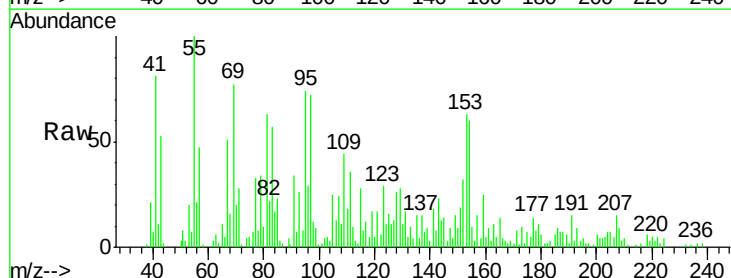
RT: 14.23 min Scan# 1964

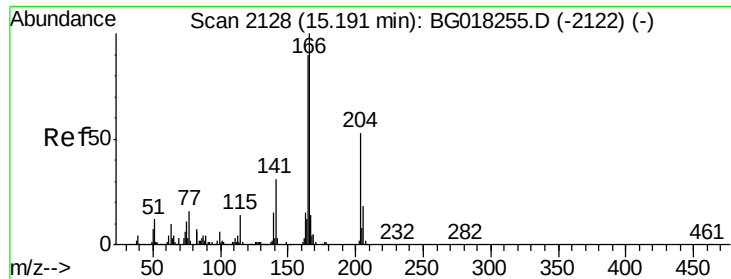
Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Tgt Ion:	153	Resp:	13706
Ion Ratio	Lower	Upper	
153	100		
152	51.3	38.7	58.1
154	95.3	74.8	112.2





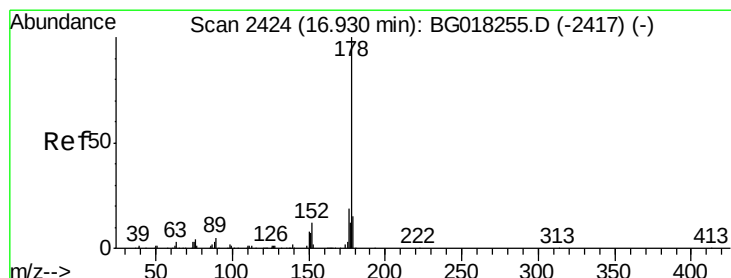
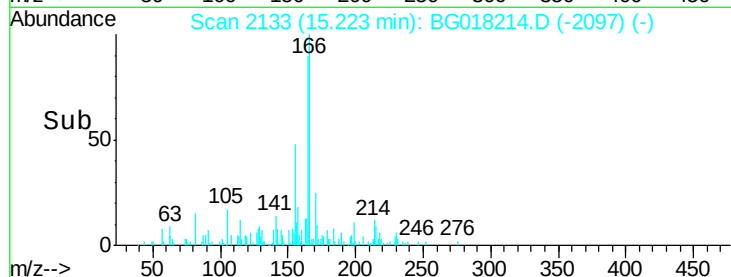
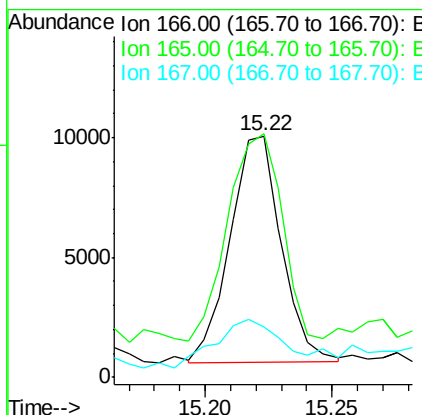
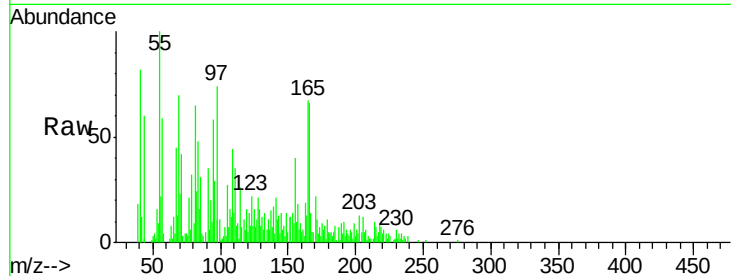
#59
Fluorene
 Concen: 1.72 ng/ul
 RT: 15.22 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Instrument :
 BNA_G
 ClientSampled :
 C01Q2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	75.1	112.7
167	21.0	11.8	17.6

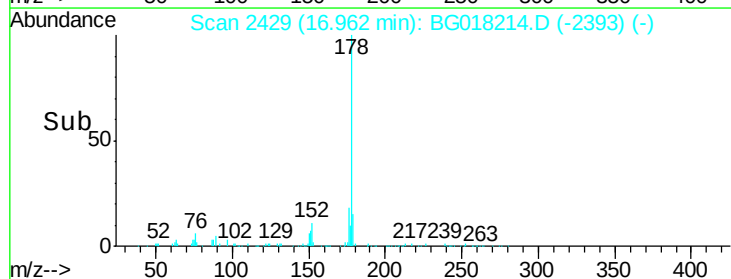
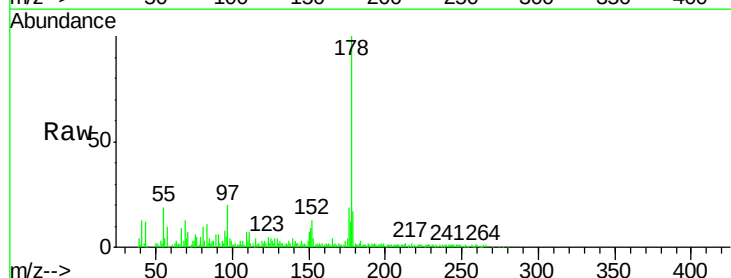
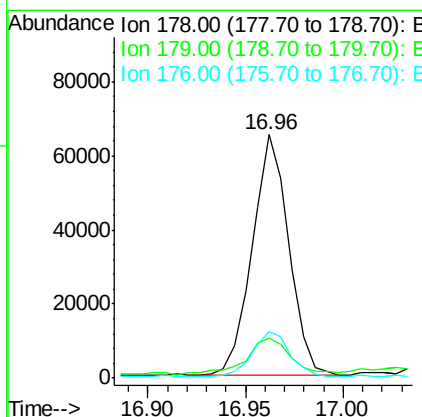
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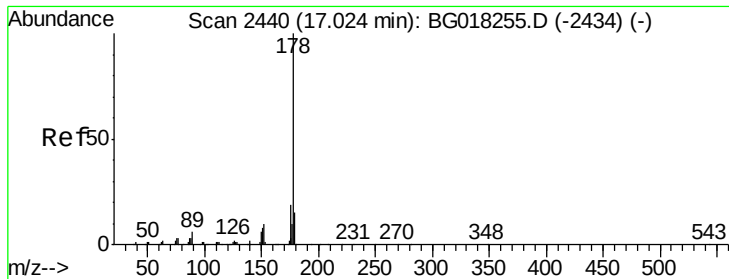
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#70
Phenanthrene
 Concen: 8.47 ng/ul
 RT: 16.96 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.8	19.2
176	19.1	16.0	24.0





#72

Anthracene

Concen: 2.59 ng/ul m

RT: 17.06 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BG018214.D

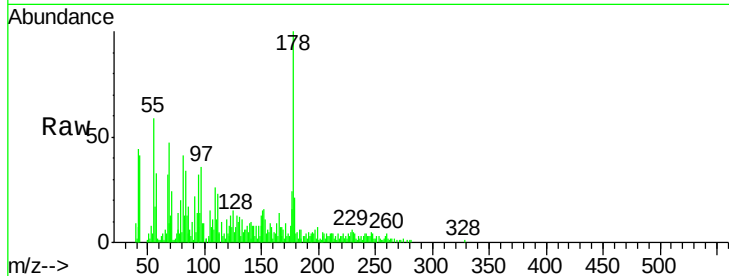
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Instrument :

BNA_G

ClientSampleId :

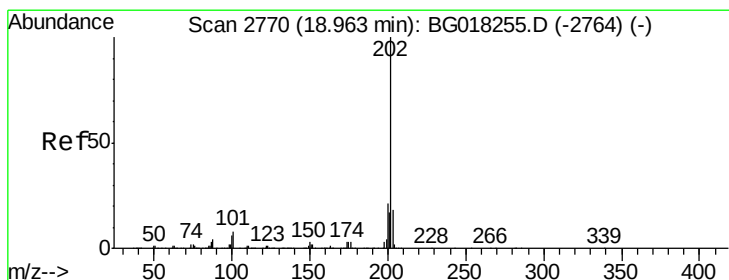
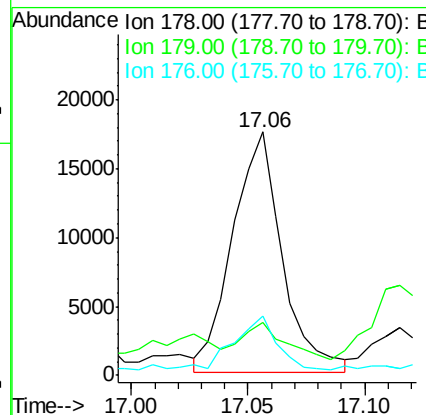
C01Q2



Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.5	12.2	18.2#
176	24.1	14.8	22.2#

Manual Integrations
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#77

Fluoranthene

Concen: 17.83 ng/ul

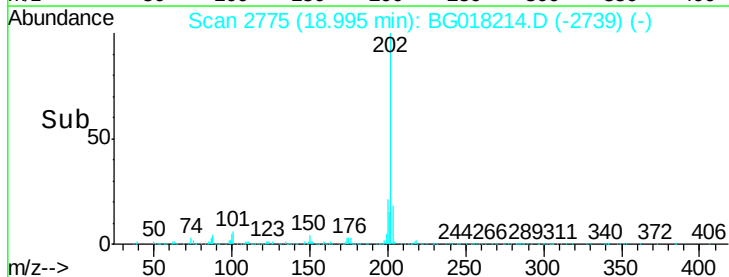
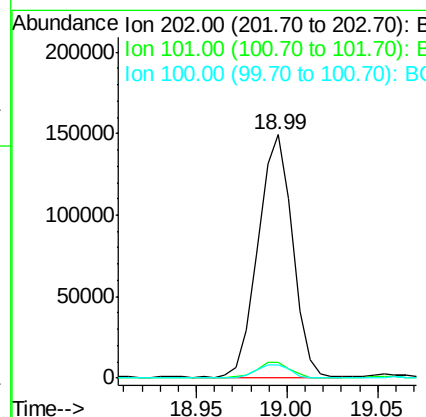
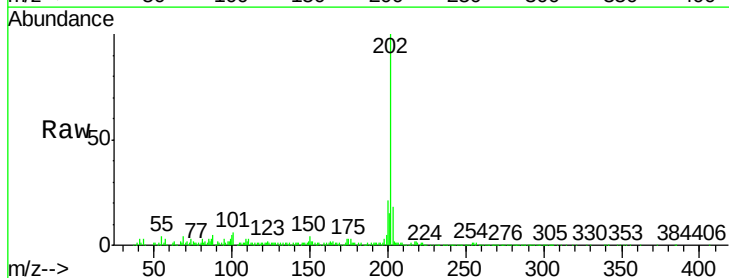
RT: 18.99 min Scan# 2775

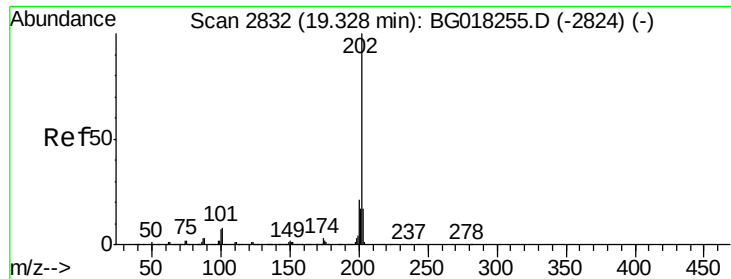
Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.3	7.5	11.3#
100	5.3	5.5	8.3#





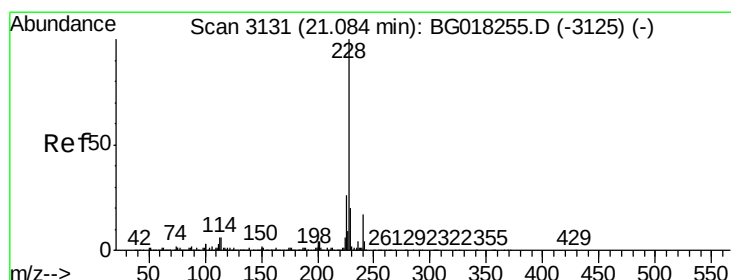
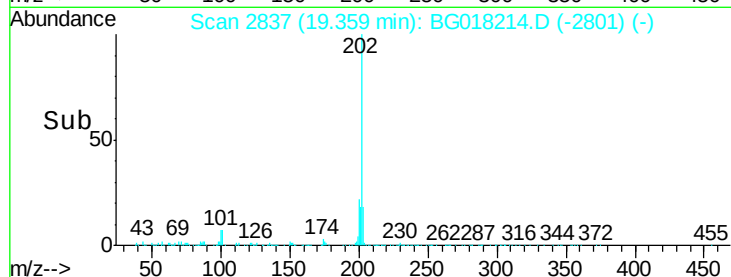
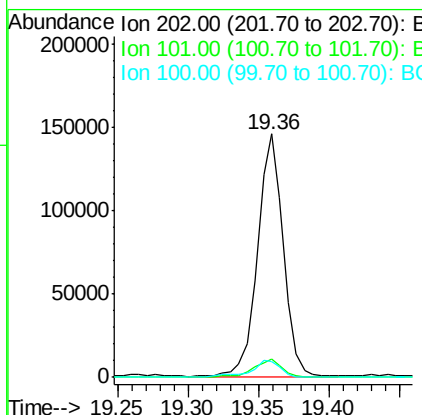
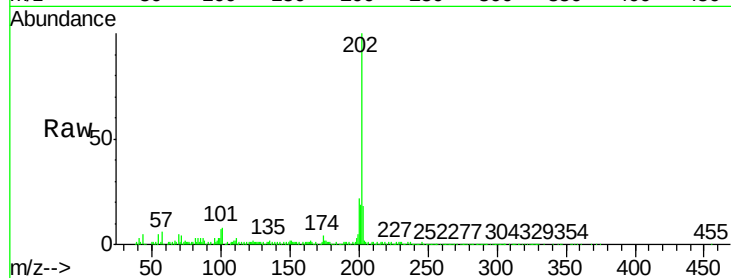
#80
 Pyrene
 Concen: 14.05 ng/ul
 RT: 19.36 min Scan# 2837
 Delta R.T. 0.01 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.5	8.1	12.1#
100	6.7	7.4	11.0#

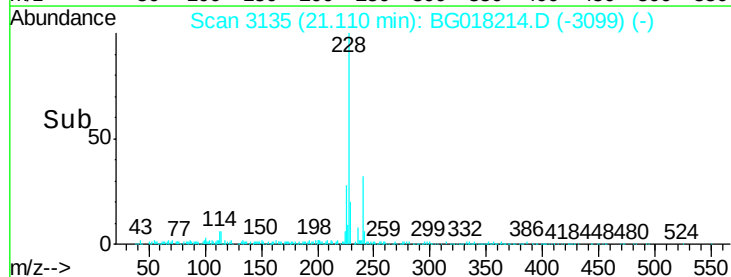
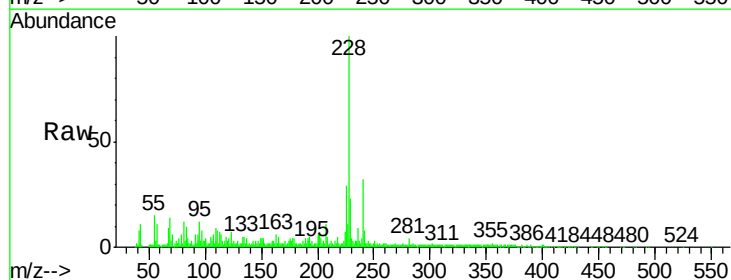
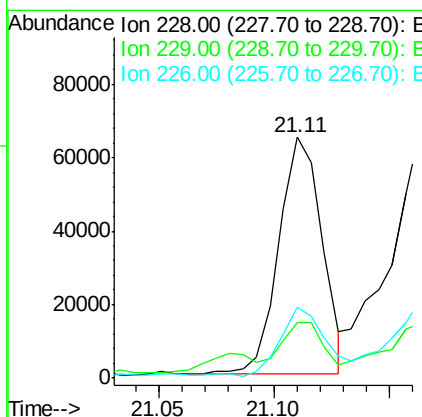
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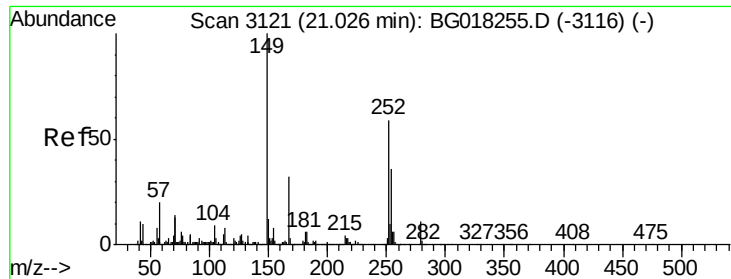
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#83
 Benzo(a)anthracene
 Concen: 7.11 ng/ul
 RT: 21.11 min Scan# 3135
 Delta R.T. 0.01 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.0	16.5	24.7
226	29.2	21.5	32.3





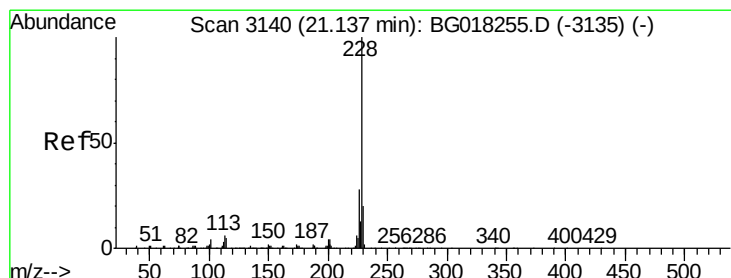
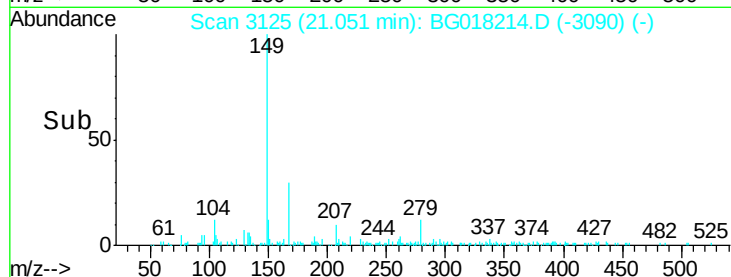
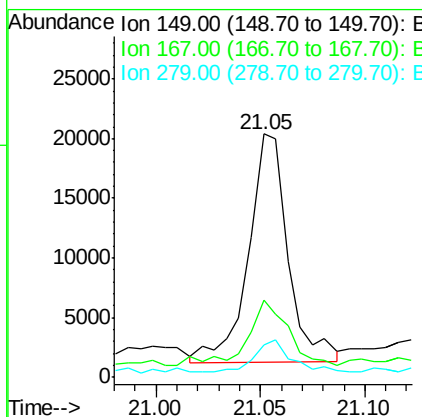
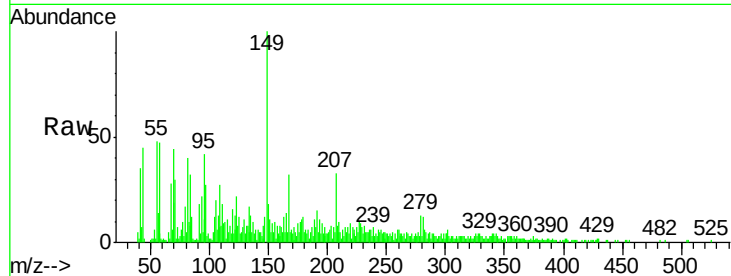
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 Bis(2-ethylhexyl)phthalate
 Concen: 3.50 ng/ul m
 RT: 21.05 min Scan# 3125
 Delta R.T. 0.01 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	25533		
167	31.6	27.4	41.2	
279	13.1	8.3	12.5#	

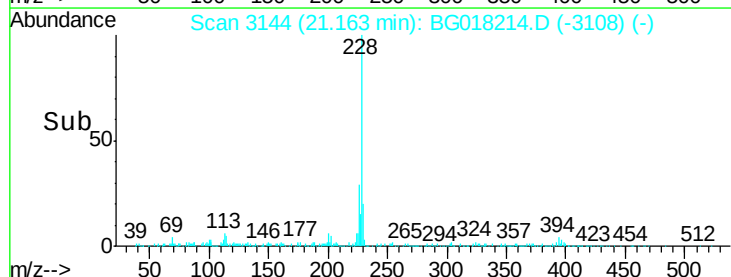
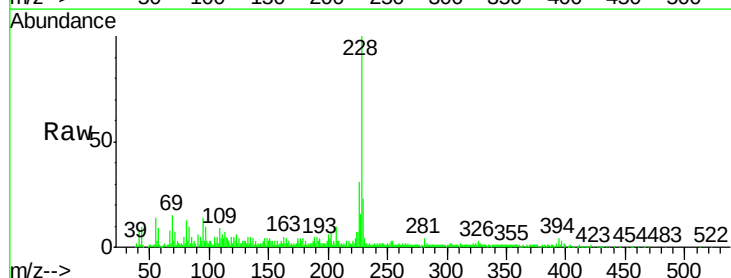
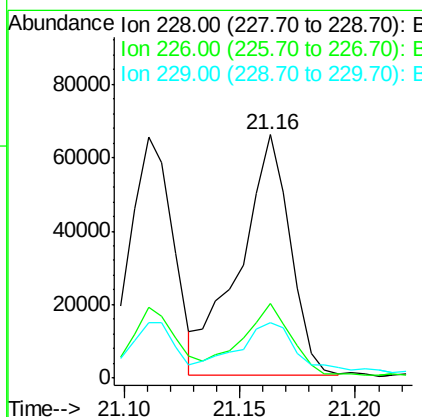
Manual Integrations
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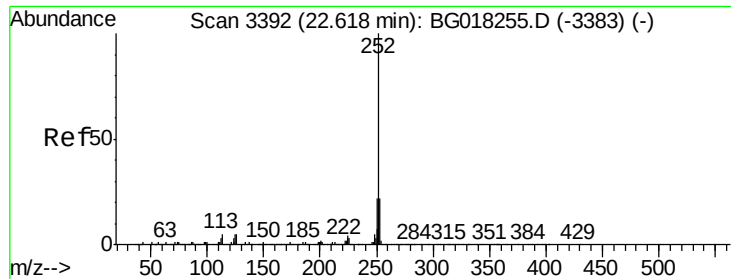
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#85
 Chrysene
 Concen: 9.22 ng/ul
 RT: 21.16 min Scan# 3144
 Delta R.T. 0.01 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	99781		
226	30.8	22.7	34.1	
229	22.9	16.2	24.2	





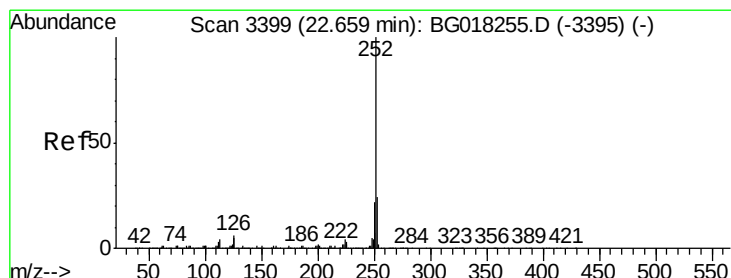
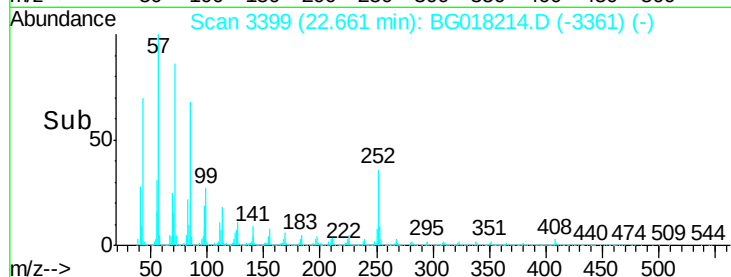
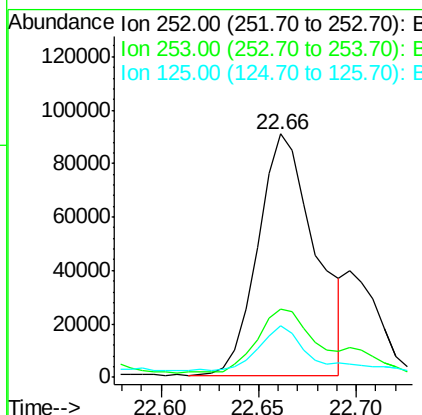
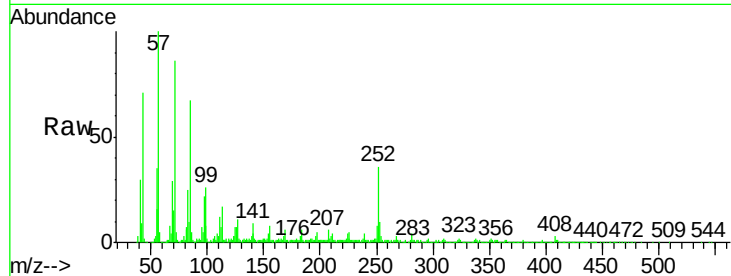
#88
Benzo(b)fluoranthene
Concen: 13.69 ng/ul
RT: 22.66 min Scan# 3399
Delta R.T. 0.03 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Instrument :
BNA_G
ClientSampleId :
C01Q2

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.9	18.5	27.7#
125	20.9	7.4	11.0#

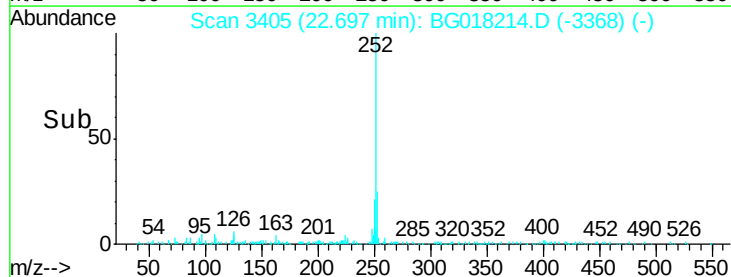
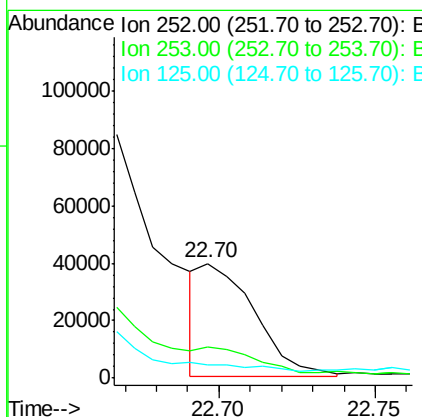
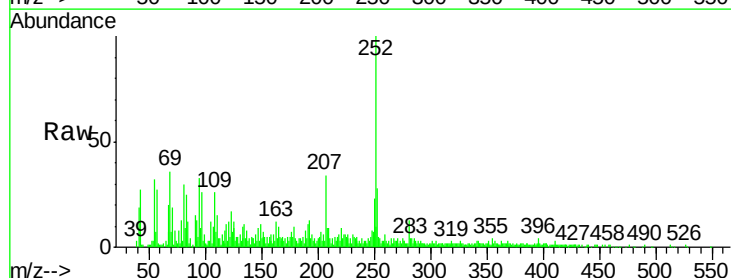
Manual Integrations
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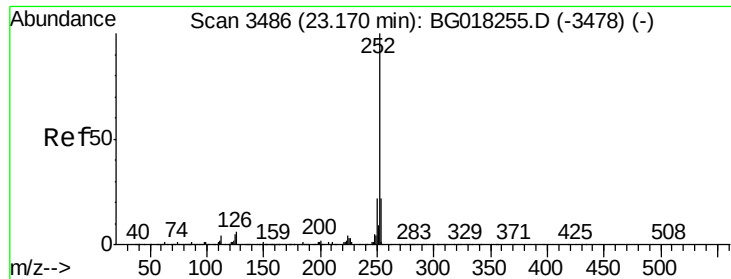
MMDadoda
8/4/2015 12:24:17 PM



#89
Benzo(k)fluoranthene
Concen: 3.85 ng/ul m
RT: 22.70 min Scan# 3405
Delta R.T. 0.02 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.7	18.2	27.2#
125	11.9	7.5	11.3#





#91

Benzo(a)pyrene

Concen: 8.89 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.03 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

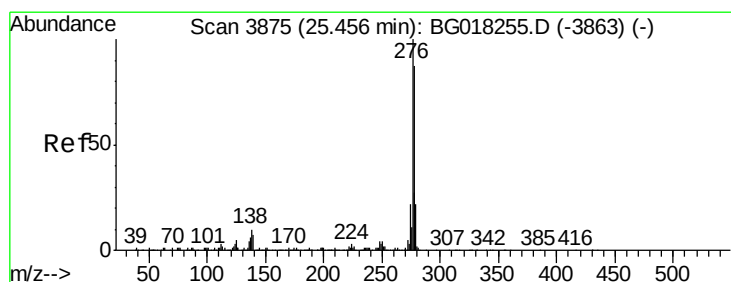
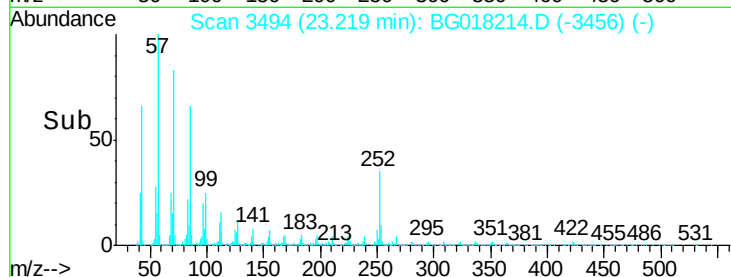
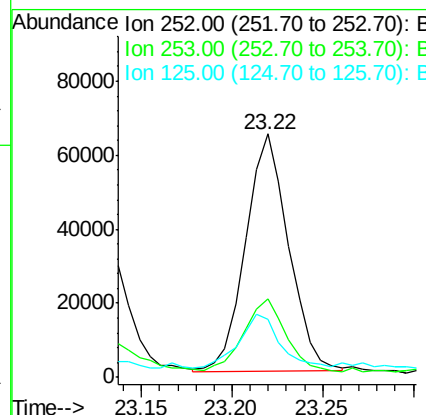
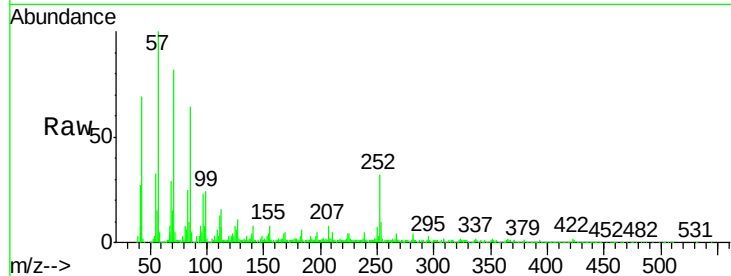
ClientSampleId :

C01Q2

Tgt Ion:	252	Resp:	106246
Ion Ratio	Lower	Upper	
252	100		
253	32.0	17.4	26.2#
125	23.7	7.3	10.9#

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 4.14 ng/ul

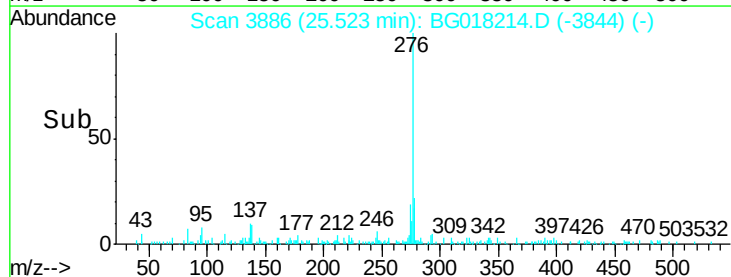
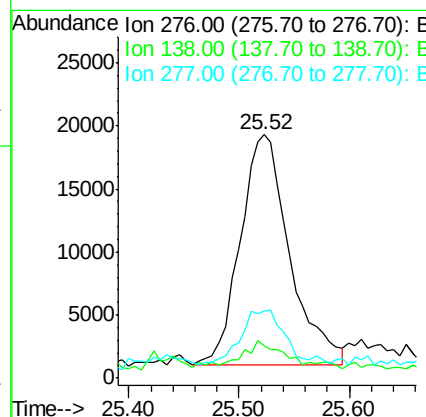
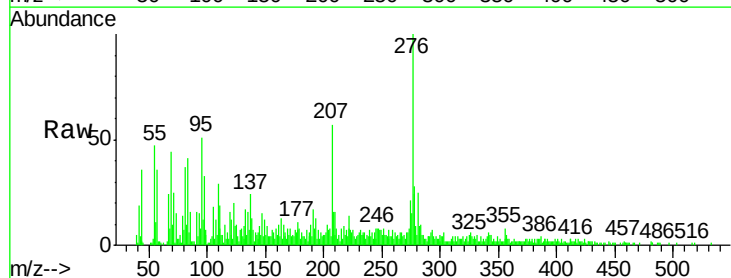
RT: 25.52 min Scan# 3886

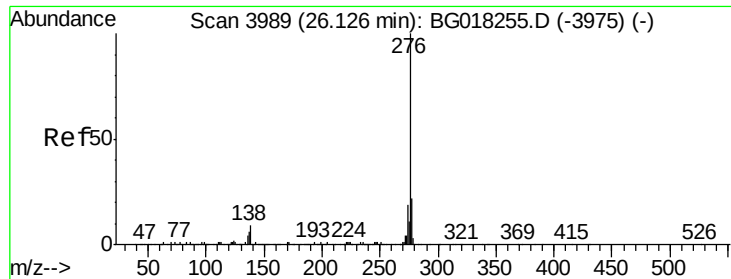
Delta R.T. 0.05 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Tgt Ion:	276	Resp:	57226
Ion Ratio	Lower	Upper	
276	100		
138	13.3	17.2	25.8#
277	27.6	19.5	29.3





#94
 Benzo(g,h,i)perylene
 Concen: 3.70 ng/ul
 RT: 26.20 min Scan# 4001
 Delta R.T. 0.06 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	12.3	15.1	22.7#	
277	26.2	19.8	29.6	

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM

