

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
 Data File : BG021517.D
 Acq On : 25 Mar 2016 16:59
 Operator : UM/SJ
 Sample : H1909-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4T51

Manual Integrations
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 3/28/2016 7:31:08 PM

Quant Time: Mar 26 00:57:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 25 23:28:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	14466	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	68633	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	43842	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	98758	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	115595	20.00	ng/ul	0.00
86) Perylene-d12	24.90	264	111056	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	639	1.98	ng/uL	0.00
5) Phenol-d5	7.35	99	18409	13.46	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.39	67	11124	13.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	15516	14.94	ng/ul	0.01
13) 4-Methylphenol-d8	8.86	113	16129	13.77	ng/ul	0.01
19) Nitrobenzene-d5	9.23	128	7901	15.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	9238	15.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	16407	15.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	18688	13.59	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	53992	14.79	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	69205	15.38	ng/ul	0.00
52) 4-Nitrophenol-d4	15.10	143	4846	8.31	ng/ul	0.02
58) Fluorene-d10	15.67	176	49645	15.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	6266	9.60	ng/ul	0.00
71) Anthracene-d10	17.52	188	75741	15.65	ng/ul	0.00
79) Pyrene-d10	19.80	212	85875	15.93	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.68	264	92917	18.13	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.92	128	8467	2.33	ng/ul#	96
34) 2-Methylnaphthalene	12.52	142	4709	1.74	ng/ul	93
45) Dimethylphthalate	14.13	163	25120	6.62	ng/ul	99
50) Acenaphthene	14.74	153	15461	5.03	ng/ul	99
54) Dibenzofuran	15.08	168	12938	3.00	ng/ul	98
59) Fluorene	15.72	166	16921	4.49	ng/ul	99
70) Phenanthrene	17.46	178	241866	43.25	ng/ul	98
72) Anthracene	17.55	178	50549	8.88	ng/ul	99
75) Carbazole	17.83	167	17123	3.48	ng/ul	99
76) Di-n-butylphthalate	18.36	149	9785	1.54	ng/ul#	95
77) Fluoranthene	19.47	202	272227	40.33	ng/ul#	94
80) Pyrene	19.83	202	251932	36.58	ng/ul#	92
83) Benzo(a)anthracene	21.66	228	128562	18.42	ng/ul	97
85) Chrysene	21.72	228	115489	17.48	ng/ul	97
88) Benzo(b)fluoranthene	23.88	252	125304	17.57	ng/ul	97
89) Benzo(k)fluoranthene	23.93	252	52018m	7.42	ng/ul	
91) Benzo(a)pyrene	24.75	252	99696	14.40	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.57	276	57778	7.34	ng/ul#	94
93) Dibenzo(a,h)anthracene	28.61	278	16787	2.51	ng/ul#	93
94) Benzo(g,h,i)perylene	29.72	276	53075	8.20	ng/ul	97

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

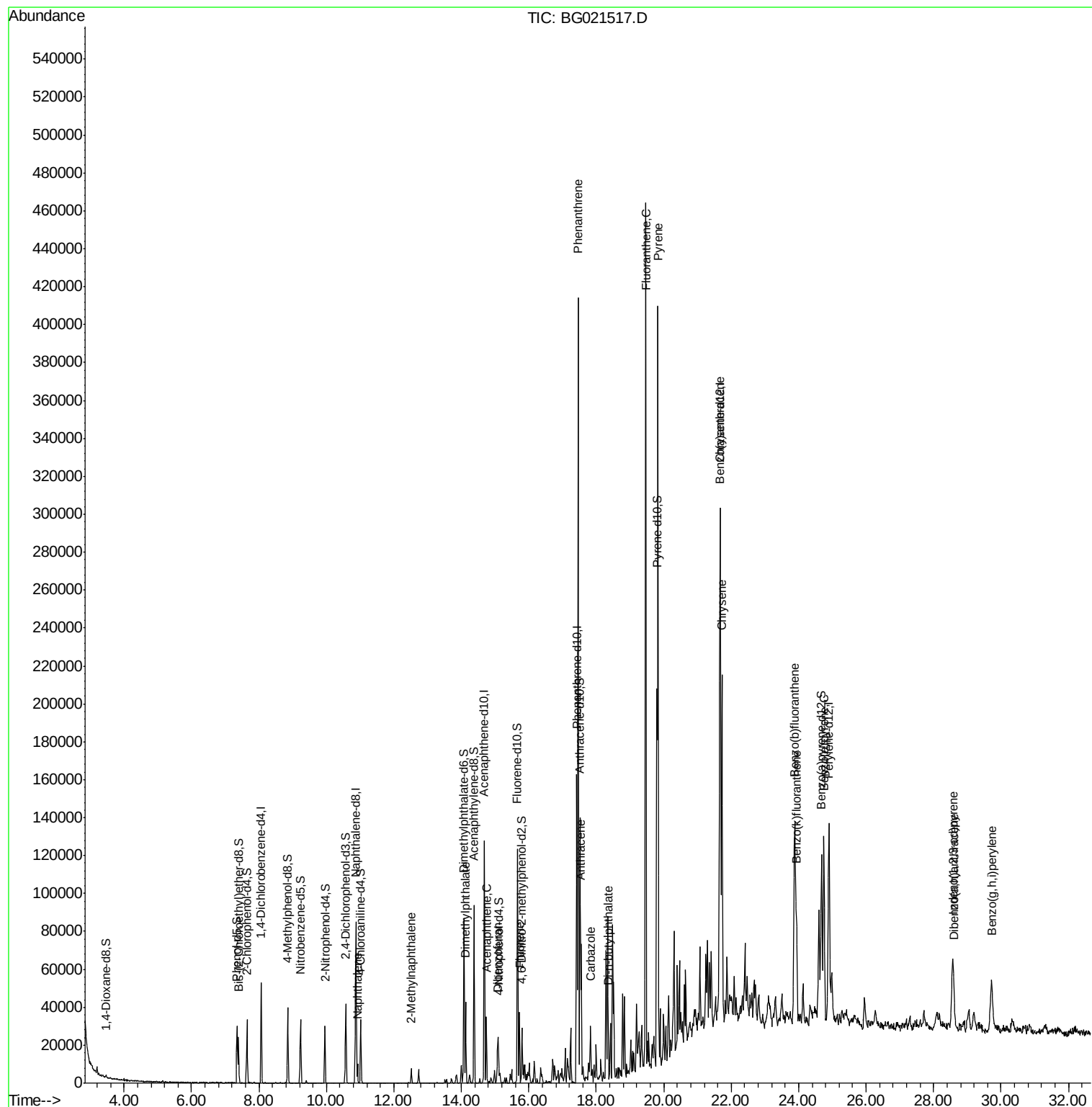
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
Data File : BG021517.D
Acq On : 25 Mar 2016 16:59
Operator : UM/SJ
Sample : H1909-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

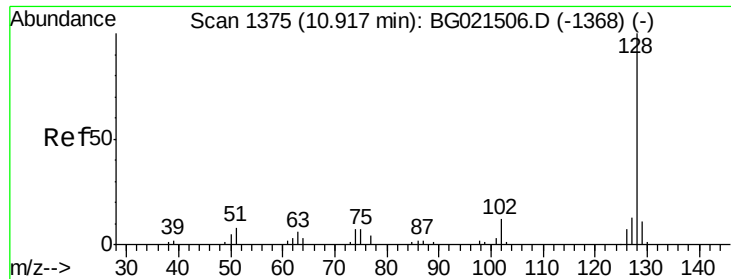
Instrument :
BNA_G
ClientSampleId :
A4T51

Manual Integrations
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Quant Time: Mar 26 00:57:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





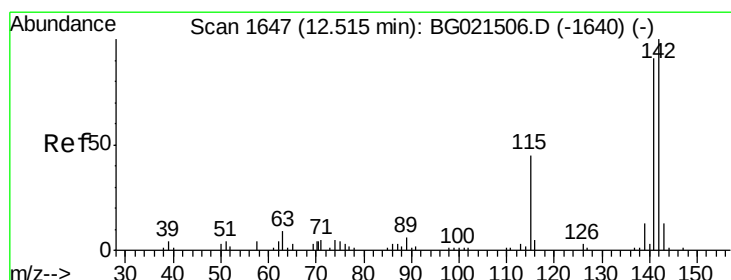
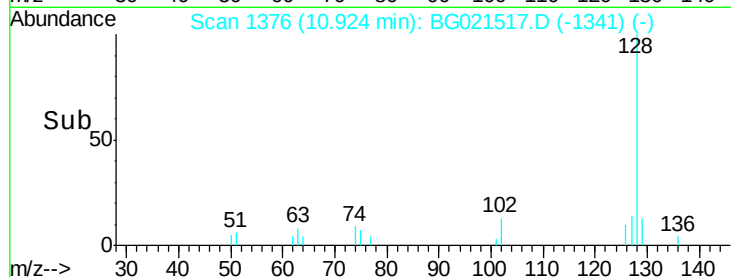
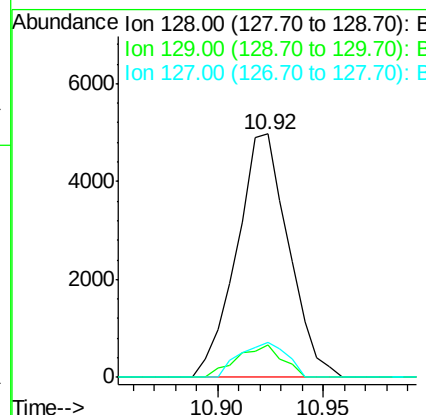
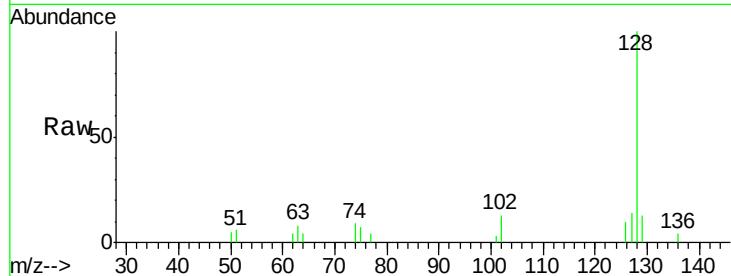
#28
Naphthalene
Concen: 2.33 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampleId :
A4T51

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.3	12.5#
127	14.2	10.8	16.2

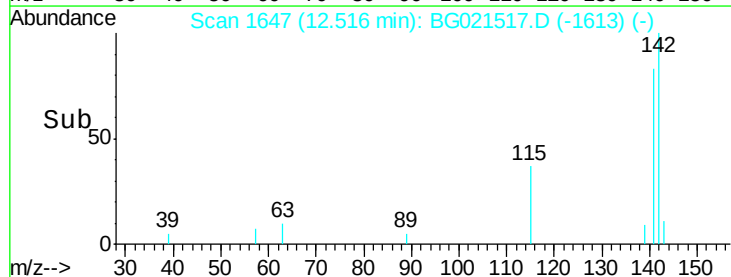
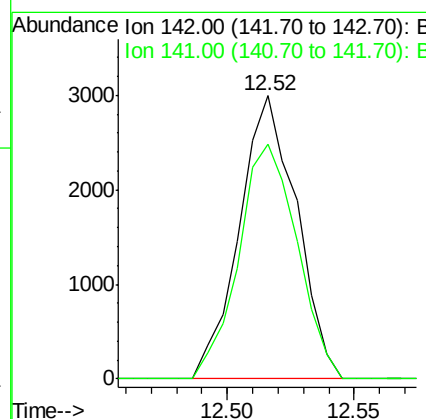
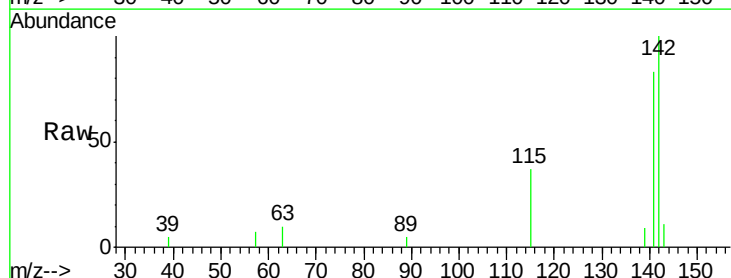
Manual Integrations
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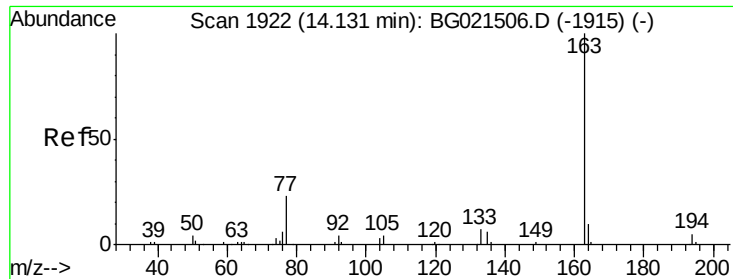
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#34
2-Methylnaphthalene
Concen: 1.74 ng/ul
RT: 12.52 min Scan# 1647
Delta R.T. 0.00 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.0	71.3	106.9





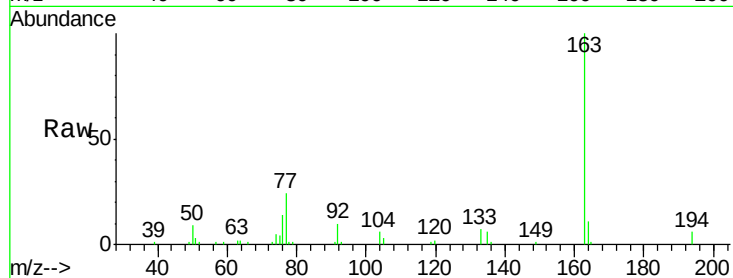
#45
Dimethylphthalate
Concen: 6.62 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampled :
A4T51

Tot Ion	Ratio	Resp	Lower	Upper
163	100	25120		
194	5.5		3.9	5.9
164	10.8		8.7	13.1

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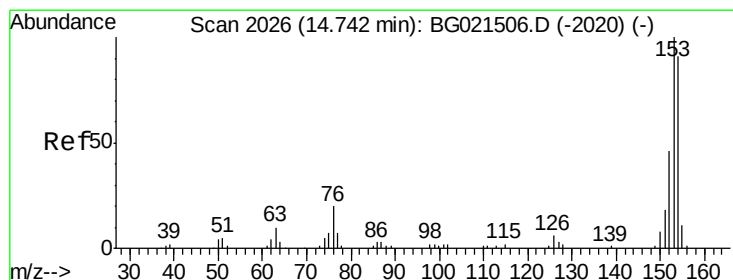
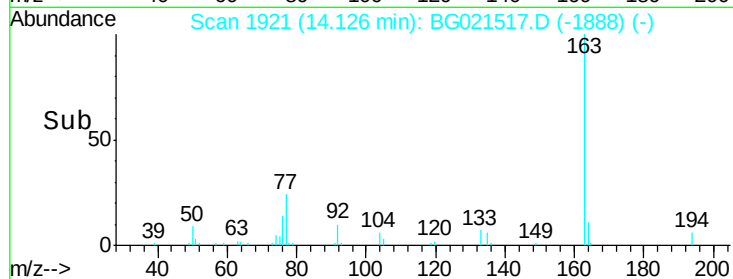
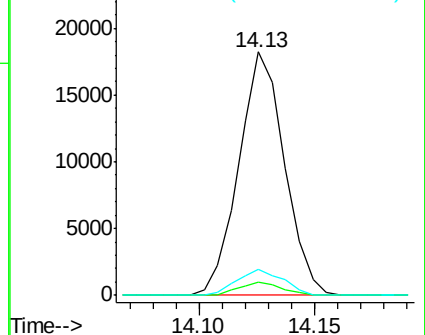


Abundance

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



#50
Acenaphthene
Concen: 5.03 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

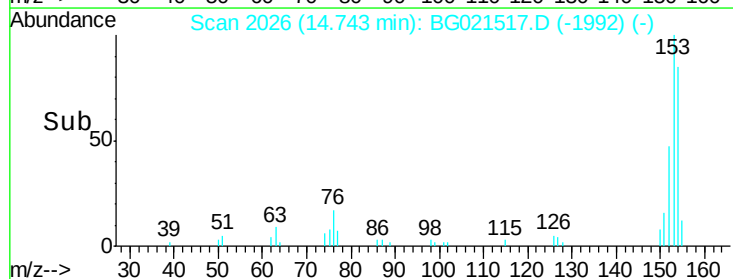
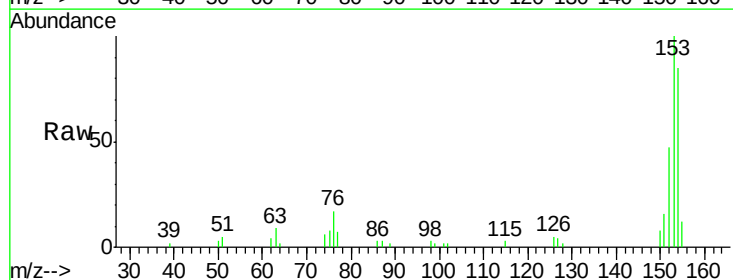
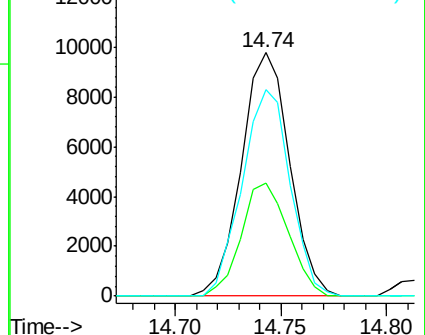
Tgt Ion	Ratio	Resp	Lower	Upper
153	100	15461		
152	46.6		36.5	54.7
154	85.0		67.3	100.9

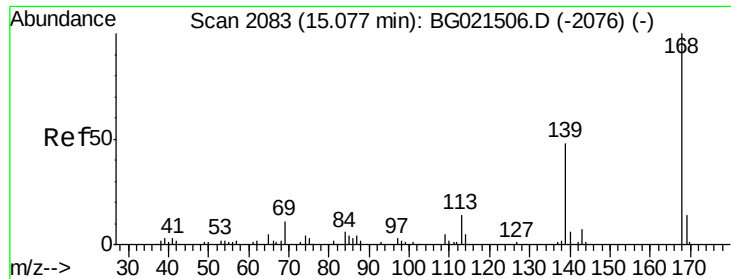
Abundance

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





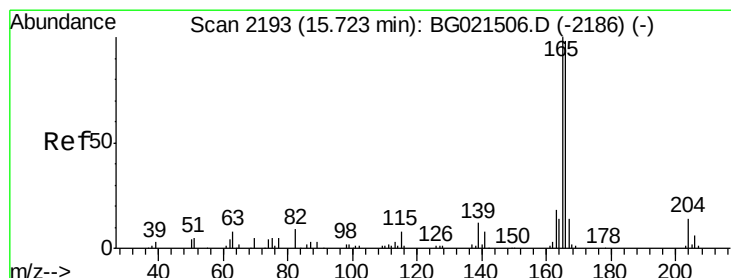
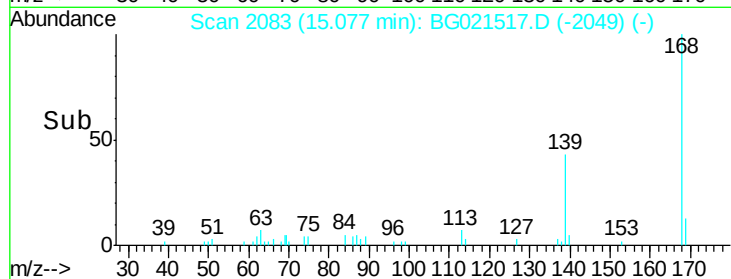
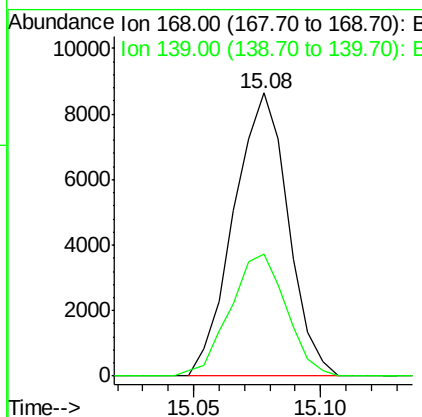
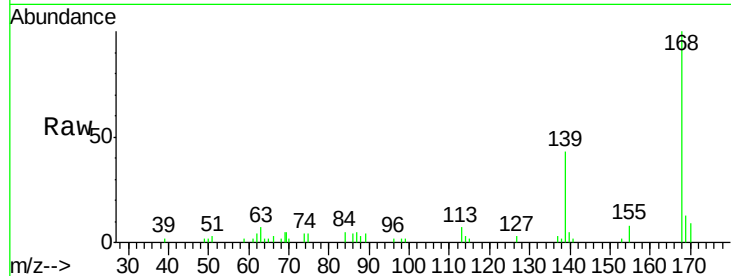
#54
Dibenzenofuran
Concen: 3.00 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampled :
A4T51

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
139	42.9	35.2	52.8	

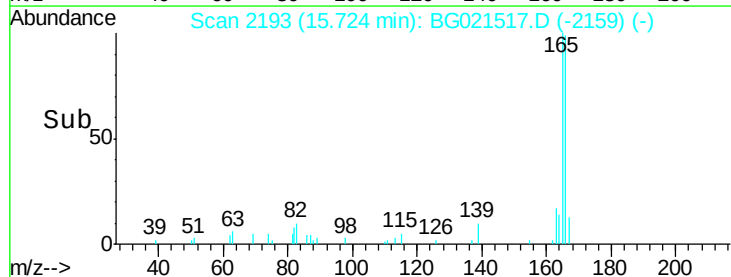
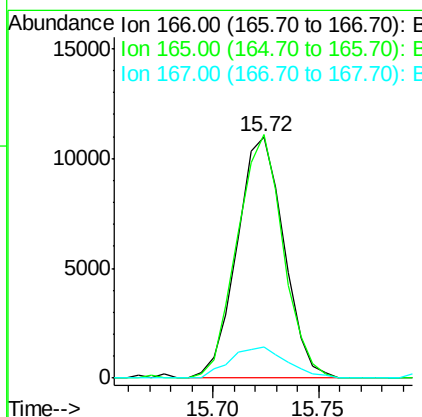
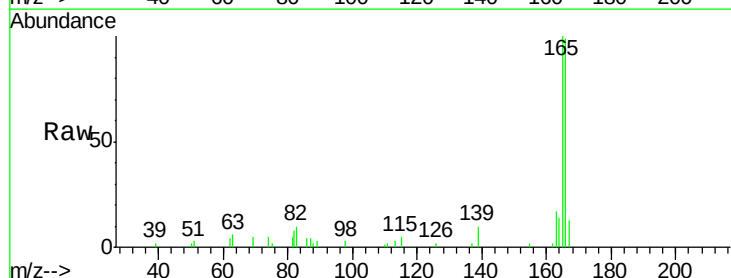
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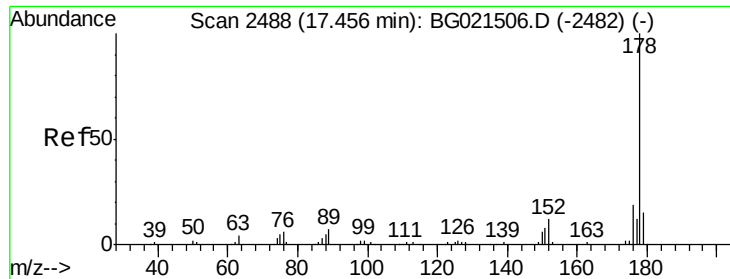
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#59
Fluorene
Concen: 4.49 ng/ul
RT: 15.72 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Tgt Ion	Ion	Ratio	Lower	Upper
166	100			
165	100.8	81.1	121.7	
167	12.9	10.6	16.0	





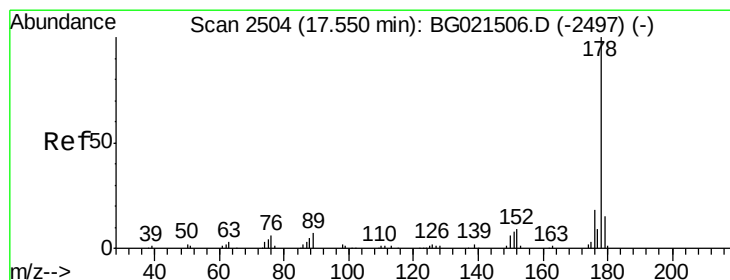
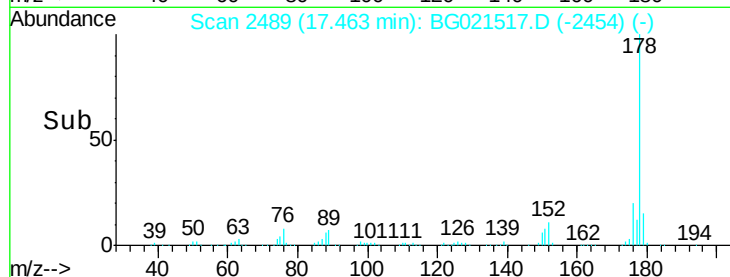
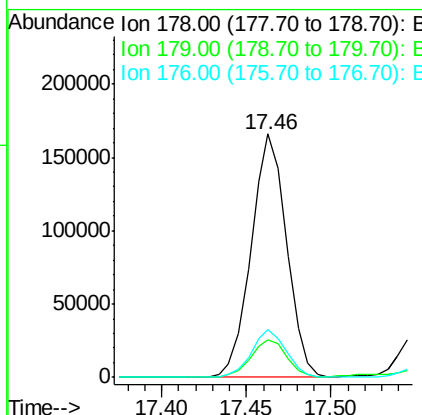
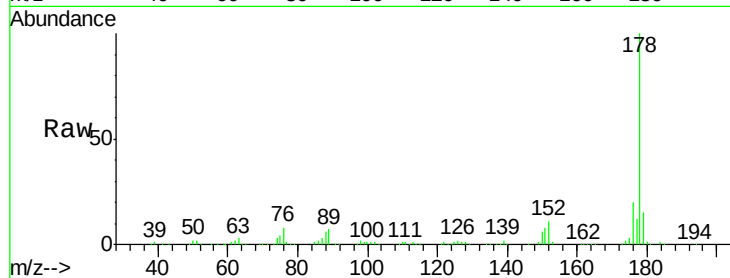
#70
 Phenanthrene
 Concen: 43.25 ng/ul
 RT: 17.46 min Scan# 2489
 Delta R.T. 0.01 min
 Lab File: BG021517.D
 Acq: 25 Mar 2016 16:59

Instrument :
 BNA_G
 ClientSampleId :
 A4T51

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.8
176	19.6	14.8	22.2

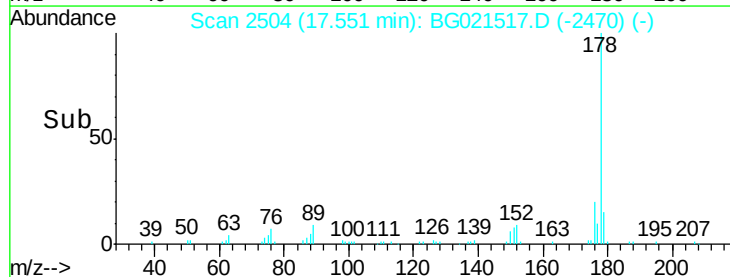
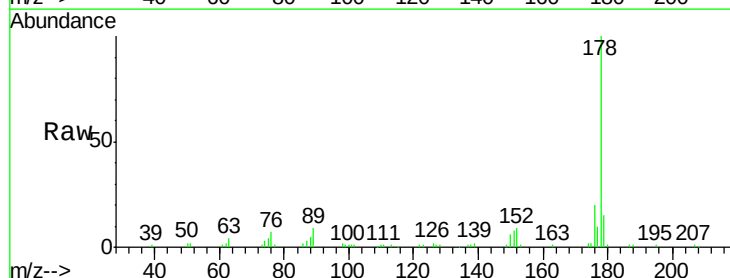
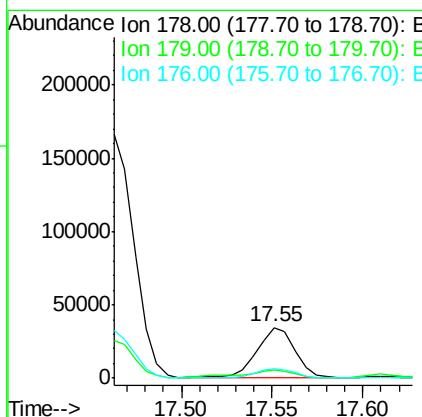
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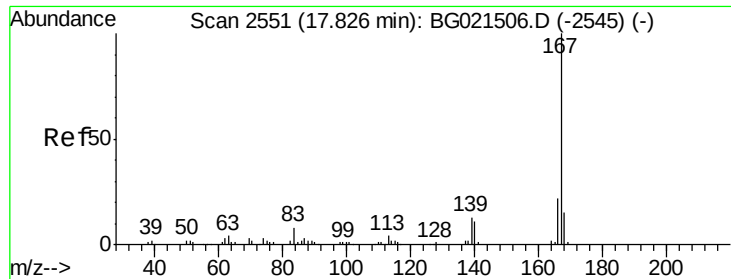
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#72
 Anthracene
 Concen: 8.88 ng/ul
 RT: 17.55 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: BG021517.D
 Acq: 25 Mar 2016 16:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.9	19.3
176	19.5	15.6	23.4





#75

Carbazole

Concen: 3.48 ng/ul

RT: 17.83 min Scan# 2551

Delta R.T. 0.00 min

Lab File: BG021517.D

Acq: 25 Mar 2016 16:59

Instrument :

BNA_G

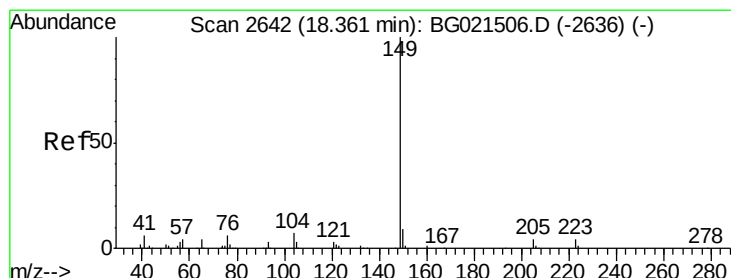
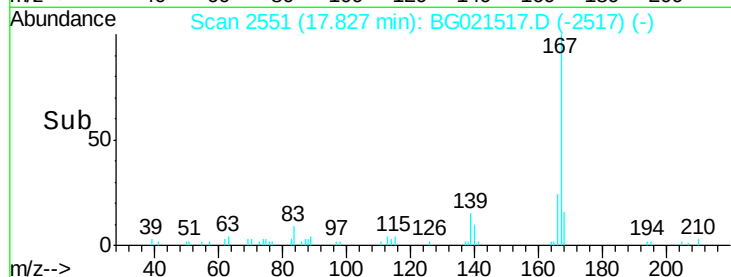
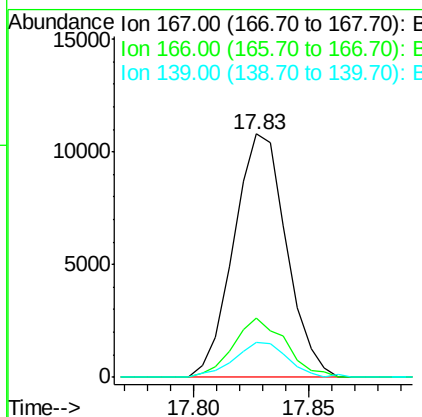
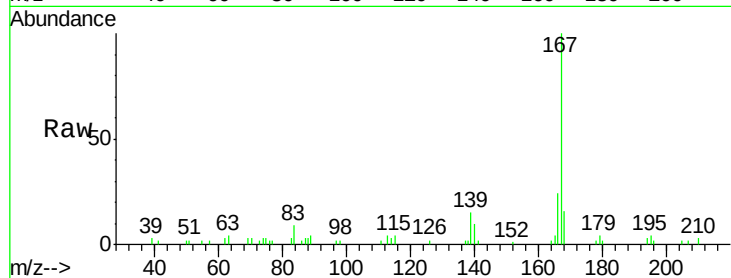
ClientSampleId :

A4T51

Tot Ion:	167	Resp:	17123
Ion Ratio	Lower	Upper	
167	100		
166	24.2	19.0	28.4
139	14.5	12.2	18.4

Manual Integrations
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#76

Di-n-butylphthalate

Concen: 1.54 ng/ul

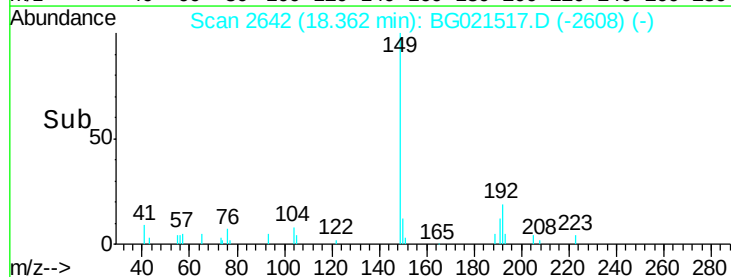
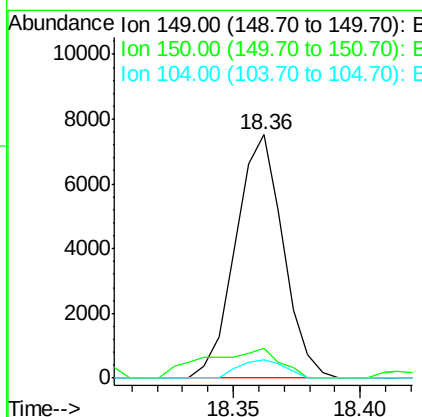
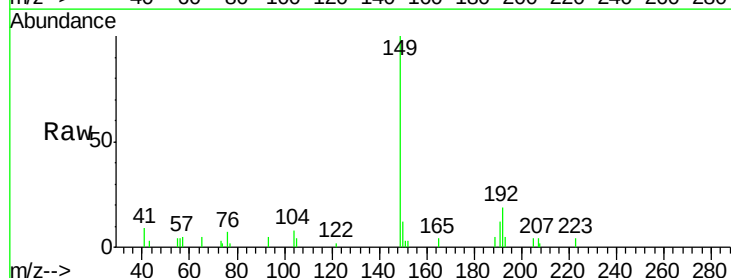
RT: 18.36 min Scan# 2642

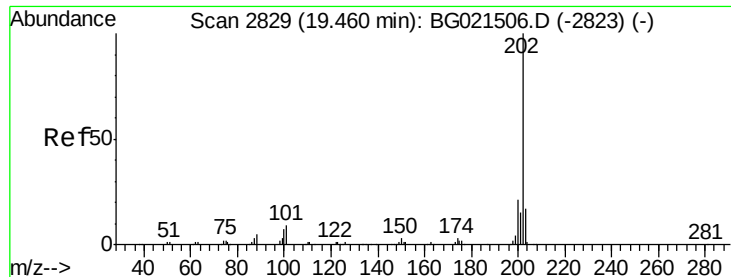
Delta R.T. 0.00 min

Lab File: BG021517.D

Acq: 25 Mar 2016 16:59

Tgt Ion:	149	Resp:	9785
Ion Ratio	Lower	Upper	
149	100		
150	12.0	7.5	11.3#
104	7.7	5.4	8.2





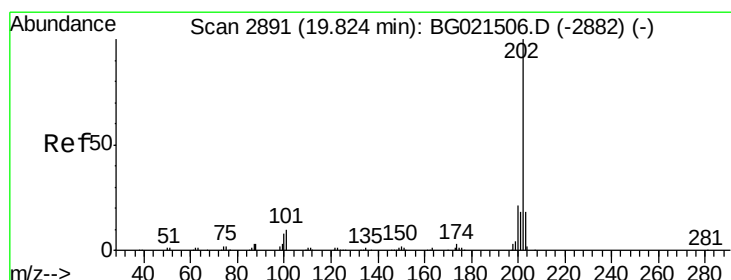
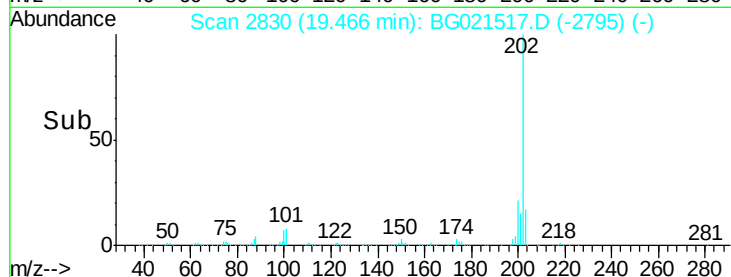
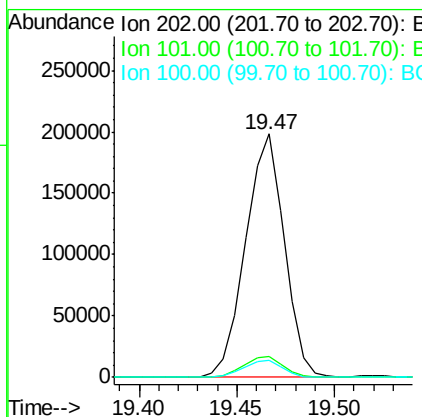
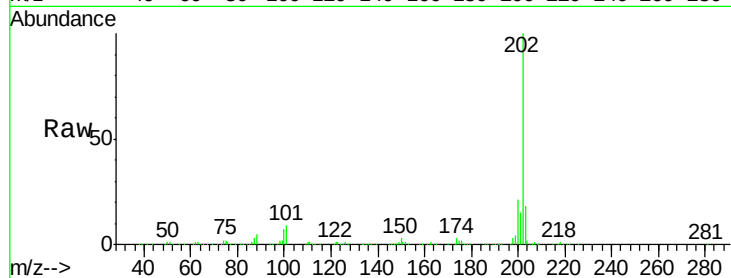
#77
Fluoranthene
Concen: 40.33 ng/ul
RT: 19.47 min Scan# 2830
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampleId :
A4T51

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.6	8.9	13.3#
100	6.8	7.0	10.4#

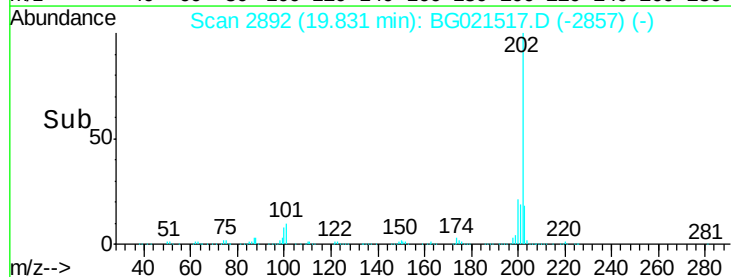
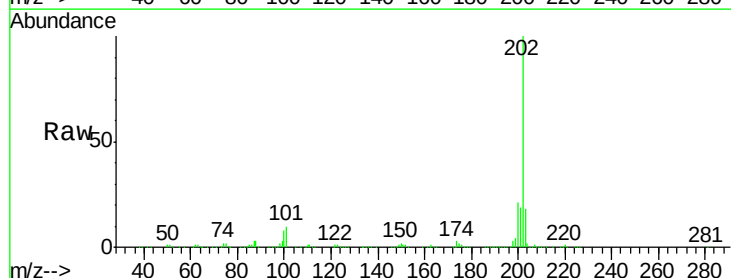
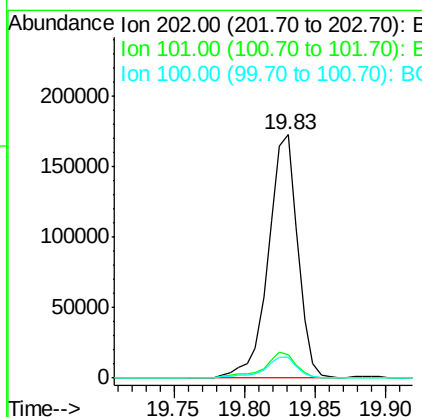
Manual Integrations
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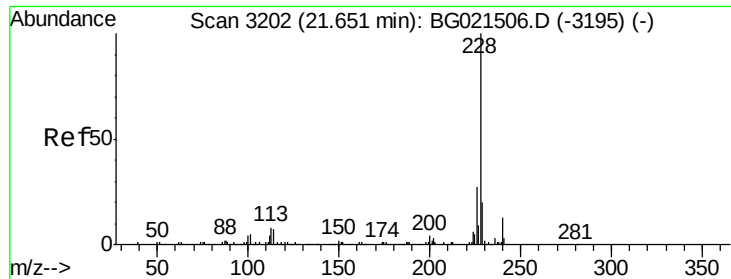
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#80
Pyrene
Concen: 36.58 ng/ul
RT: 19.83 min Scan# 2892
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.6	9.8	14.8#
100	8.4	9.3	13.9#





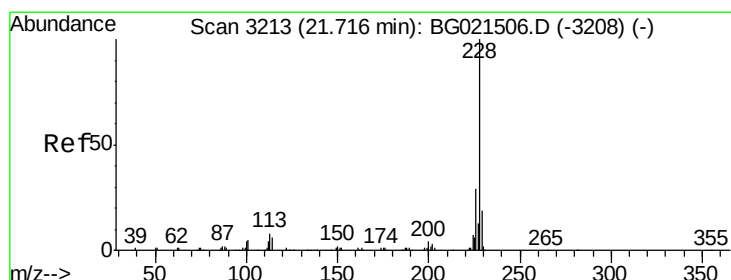
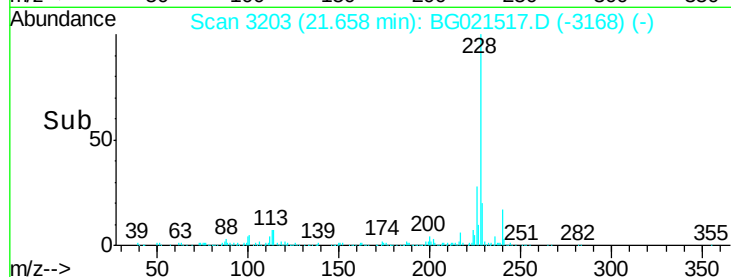
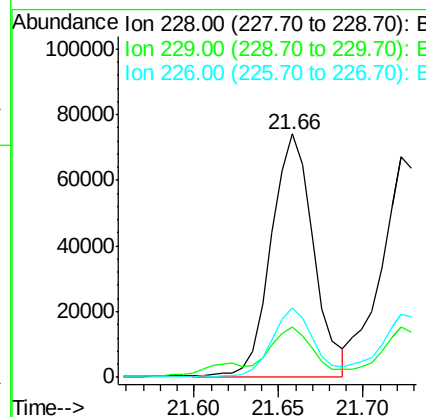
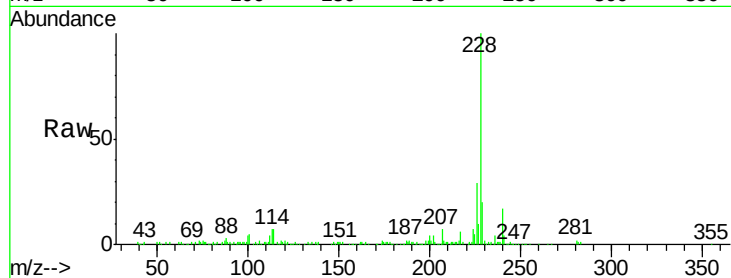
#83
Benzo(a)anthracene
Concen: 18.42 ng/ul
RT: 21.66 min Scan# 3203
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampleId :
A4T51

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.6	25.0
226	28.6	21.0	31.4

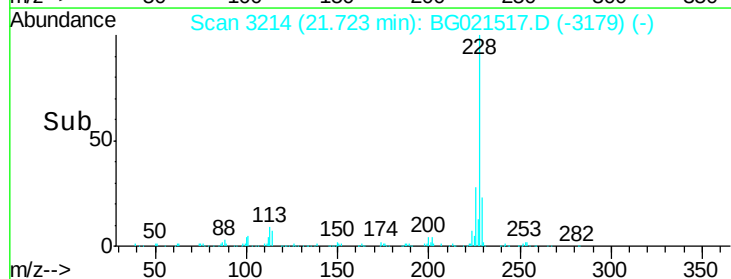
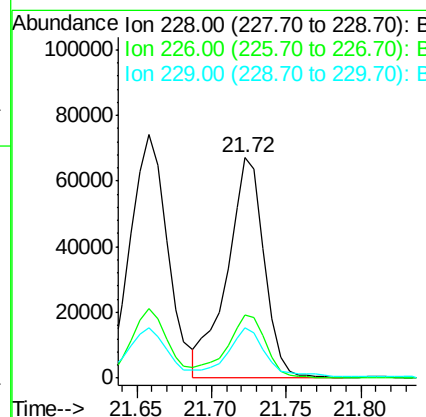
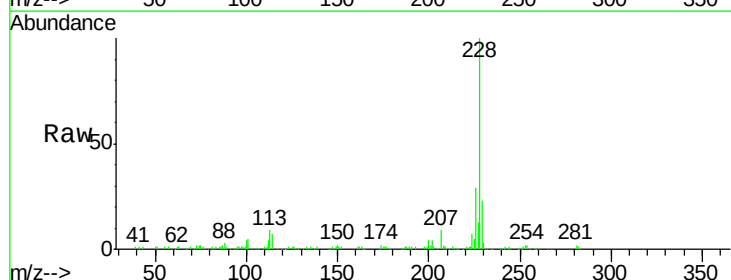
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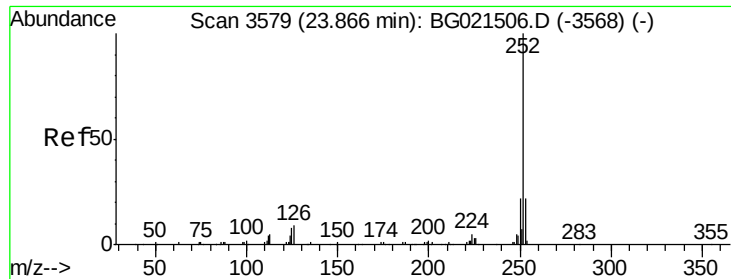
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#85
Chrysene
Concen: 17.48 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	23.1	16.2	24.2





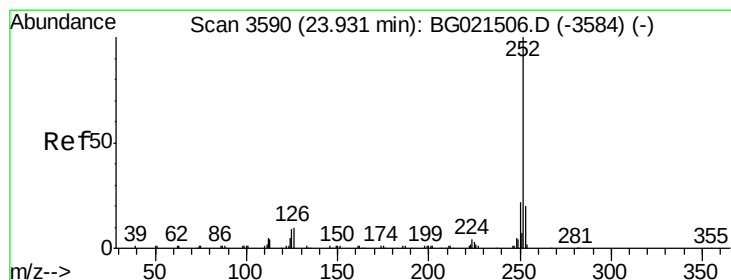
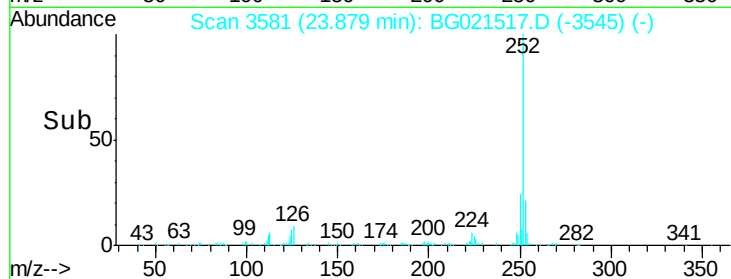
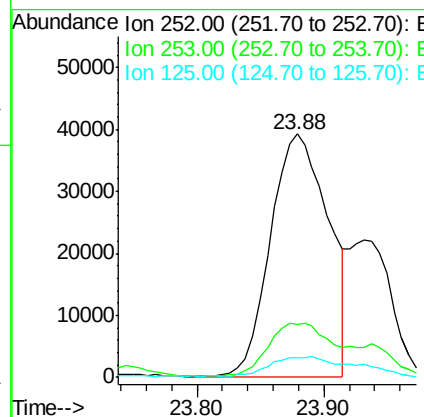
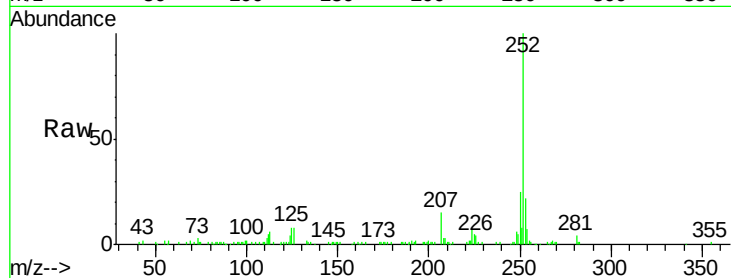
#88
Benzo(b)fluoranthene
Concen: 17.57 ng/ul
RT: 23.88 min Scan# 3581
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampled :
A4T51

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	7.9	7.6	11.4

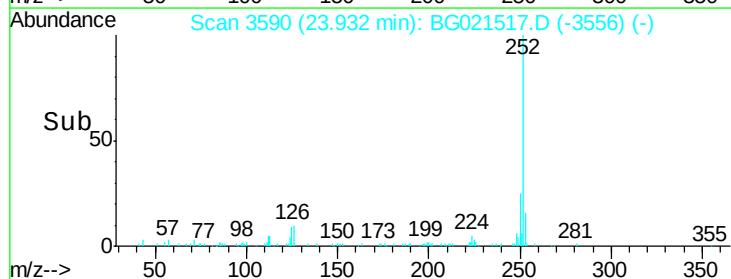
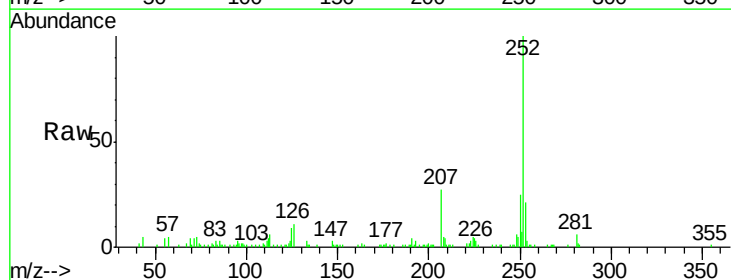
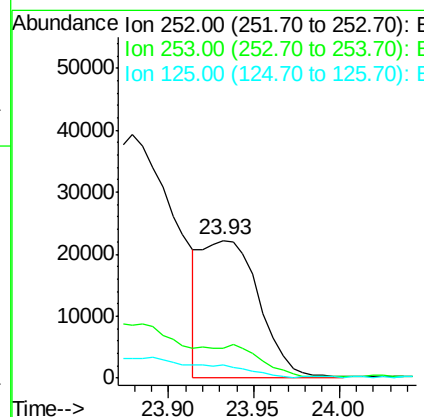
Manual Integrations
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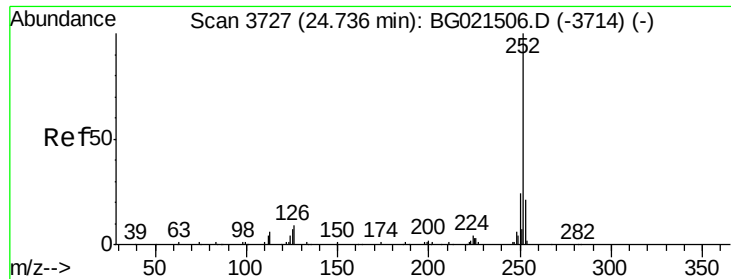
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#89
Benzo(k)fluoranthene
Concen: 7.42 ng/ul m
RT: 23.93 min Scan# 3590
Delta R.T. 0.00 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	9.2	7.7	11.5





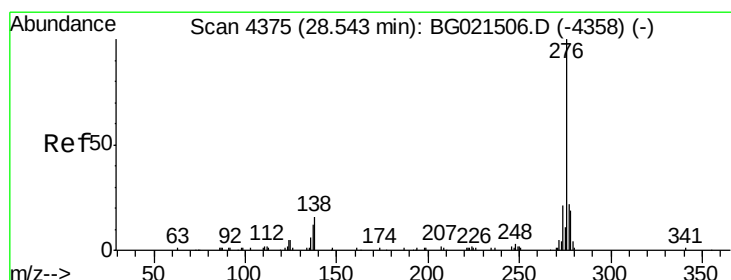
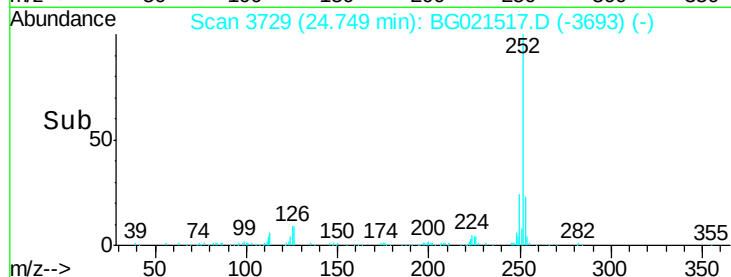
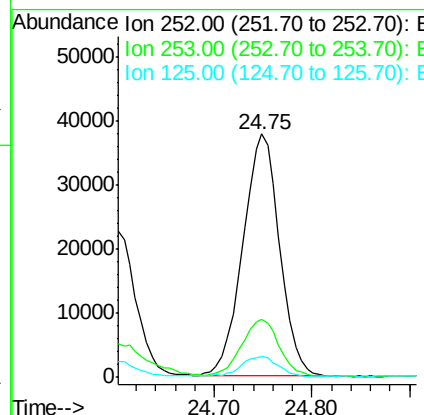
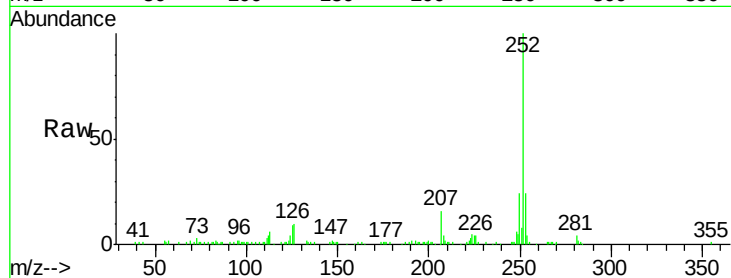
#91
Benzo(a)pyrene
Concen: 14.40 ng/ul
RT: 24.75 min Scan# 3729
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampleId :
A4T51

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	17.4	26.0
125	8.8	8.2	12.2

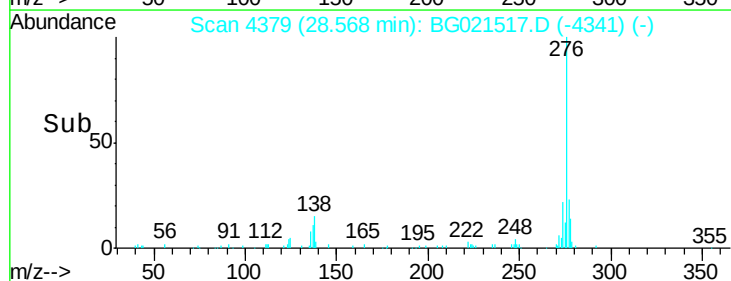
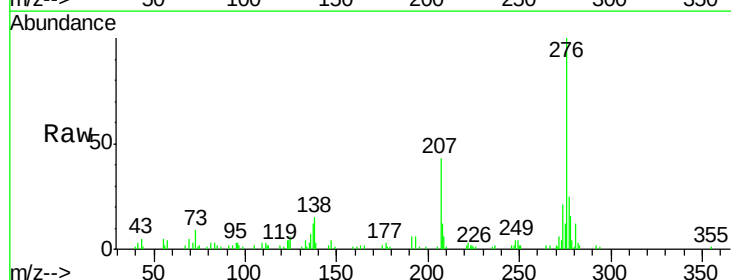
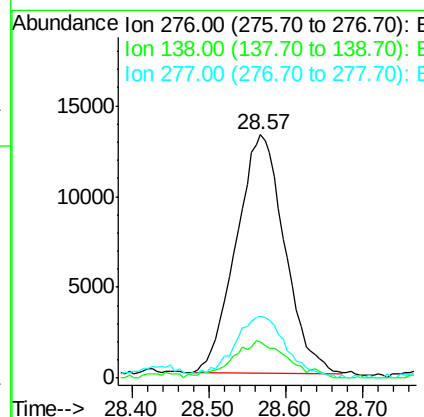
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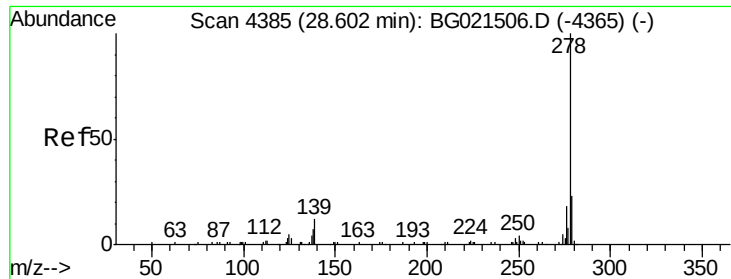
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#92
Indeno(1,2,3-cd)pyrene
Concen: 7.34 ng/ul
RT: 28.57 min Scan# 4379
Delta R.T. 0.02 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	15.0	15.8	23.6#
277	25.2	19.0	28.6





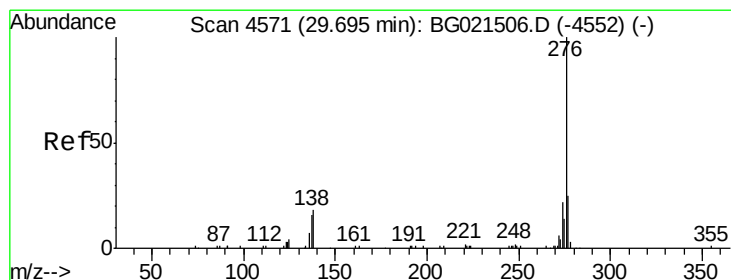
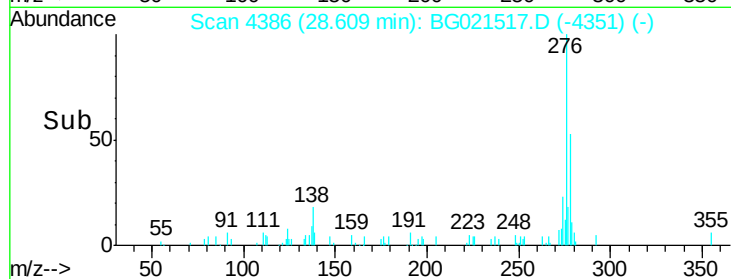
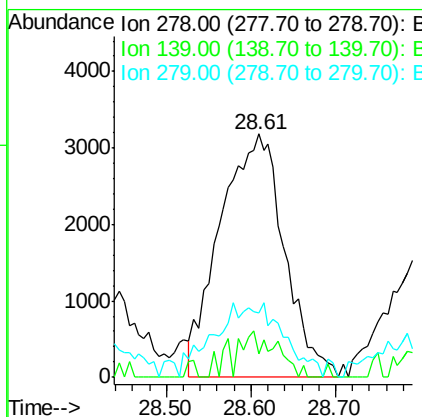
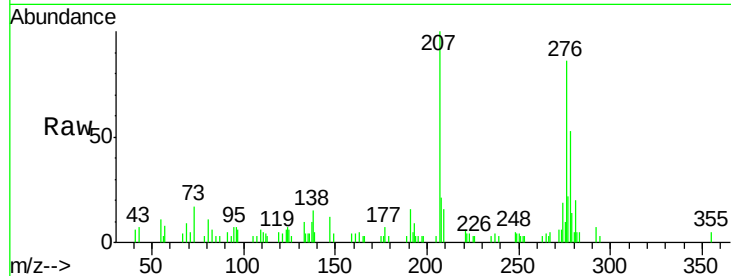
#93
Dibenzo(a,h)anthracene
Concen: 2.51 ng/ul
RT: 28.61 min Scan# 4386
Delta R.T. 0.01 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Instrument :
BNA_G
ClientSampleId :
A4T51

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.5	12.1	18.1#
279	26.2	19.8	29.8

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 8.20 ng/ul
RT: 29.72 min Scan# 4575
Delta R.T. 0.02 min
Lab File: BG021517.D
Acq: 25 Mar 2016 16:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.9	20.9
277	23.1	19.8	29.6

