

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
 Data File : BG027517.D
 Acq On : 17 Jun 2017 21:48
 Operator : SJ/MA
 Sample : I3599-13 20X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5B27

Manual Integrations
 APPROVED

mohammad
 6/19/2017 9:13:49 AM

Quant Time: Jun 19 03:28:27 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 19 01:52:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	51665	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	259912	20.00	ng/ul	0.01
35) Acenaphthene-d10	15.11	164	167477	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.87	188	335462	20.00	ng/ul	0.01
75) Chrysene-d12	22.24	240	401862	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	362177	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.65	99	4408	0.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	3779	0.99	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	3244	0.88	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	3541	0.81	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	4321	2.29	ng/ul	0.02
22) 2-Nitrophenol-d4	10.41	143	2003	1.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	3312	0.87	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	33093m	6.90	ng/ul	0.05
43) Dimethylphthalate-d6	14.50	166	15523	1.11	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	15552	0.96	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	2750	1.00	ng/ul	0.02
57) Fluorene-d10	16.10	176	14763	1.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.23	200	1016	0.49	ng/ul	0.03
70) Anthracene-d10	17.97	188	18762	1.20	ng/ul	0.01
76) Pyrene-d10	20.23	212	21804	1.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	16143	0.99	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	7.68	94	5976	1.018	ng/ul	89
16) 4-Methylphenol	9.26	108	11272	2.418	ng/ul	97
24) 2,4-Dimethylphenol	10.48	107	17834	3.399	ng/ul#	92
28) Naphthalene	11.43	128	9866893	738.715	ng/ul#	46
34) 2-Methylnaphthalene	12.97	142	3808682	384.525	ng/ul	90
40) 1,1'-Biphenyl	13.94	154	1131227	85.381	ng/ul#	93
47) Acenaphthylene	14.83	152	229296	14.167	ng/ul#	93
49) Acenaphthene	15.18	153	2891576	256.154	ng/ul#	95
53) Dibenzofuran	15.51	168	3111089	189.091	ng/ul	89
58) Fluorene	16.16	166	3116501	228.256	ng/ul#	98
69) Phenanthrene	17.93	178	7358098m	408.165	ng/ul	
71) Anthracene	18.01	178	2129076	116.148	ng/ul	95
72) Carbazole	18.26	167	1038337	65.862	ng/ul	96
74) Fluoranthene	19.91	202	5336511	263.101	ng/ul#	56
77) Pyrene	20.27	202	4400554	185.254	ng/ul#	63
80) Benzo(a)anthracene	22.22	228	1829705	81.760	ng/ul	95
82) Chrysene	22.29	228	1371057	67.836	ng/ul	95
85) Benzo(b)fluoranthene	24.73	252	953331	44.196	ng/ul#	96
86) Benzo(k)fluoranthene	24.79	252	334148	16.116	ng/ul#	97
88) Benzo(a)pyrene	25.72	252	600609	29.000	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	30.09	276	191903	8.117	ng/ul#	88
90) Dibenzo(a,h)anthracene	30.13	278	57018	2.809	ng/ul#	90
91) Benzo(g,h,i)perylene	31.40	276	121627	6.283	ng/ul#	84

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Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B27

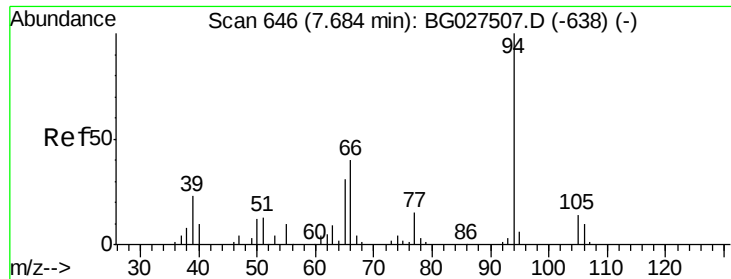
Manual Integrations
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Quant Time: Jun 19 03:28:27 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

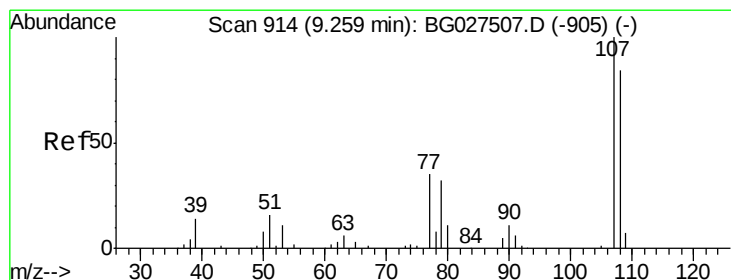
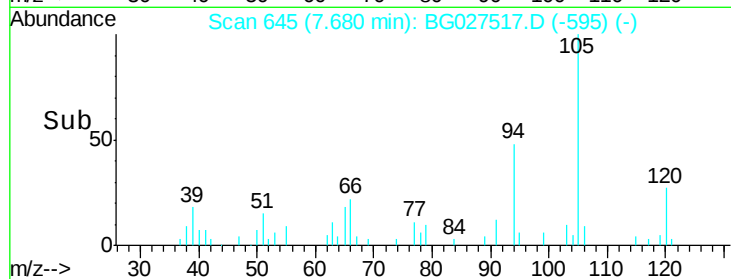
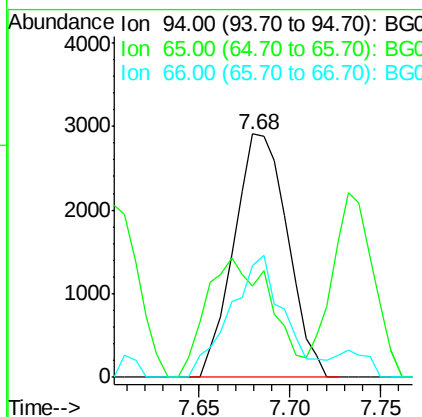
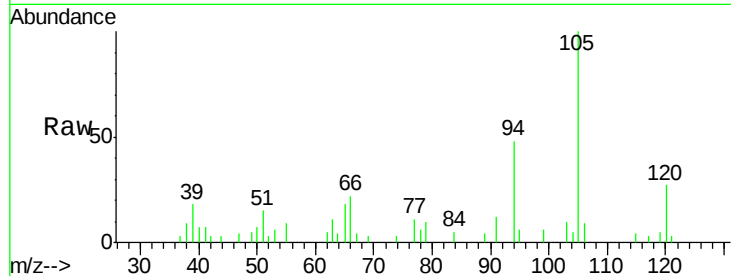
Concen: 1.018 ng/ul
 RT: 7.68 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Instrument :
 BNA_G
 ClientSampled :
 F5B27

Tgt Ion	Ratio	Lower	Upper
94	100		
65	37.3	26.8	40.2
66	45.8	44.4	66.6

Manual Integrations
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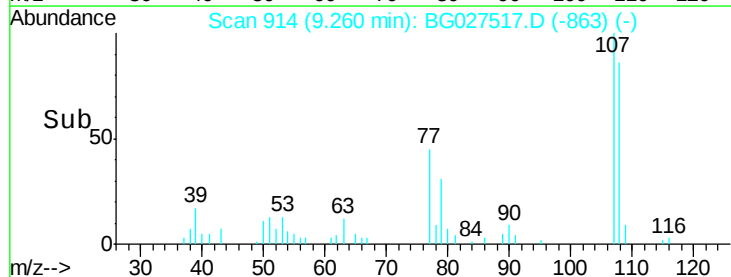
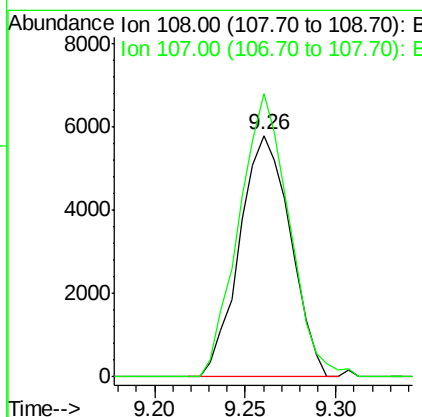
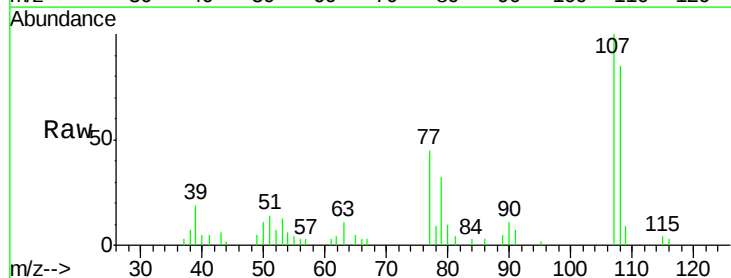


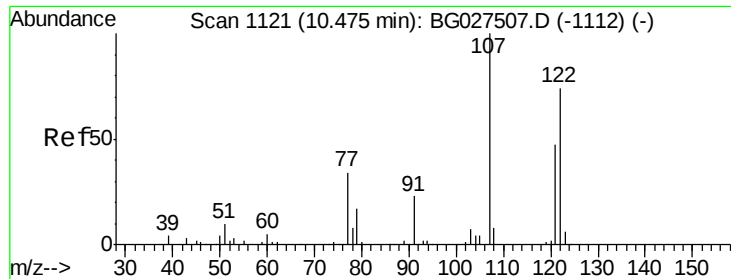
#16

4-Methylphenol

Concen: 2.418 ng/ul
 RT: 9.26 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Tgt Ion	Ratio	Lower	Upper
108	100		
107	117.3	91.7	137.5





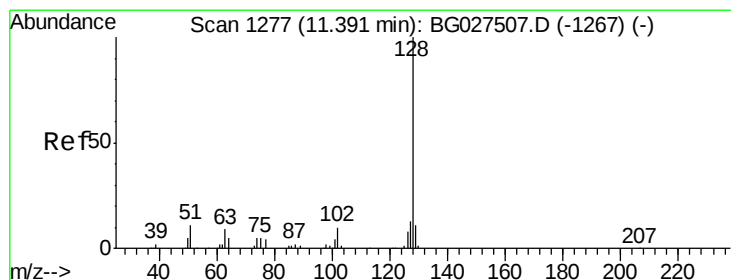
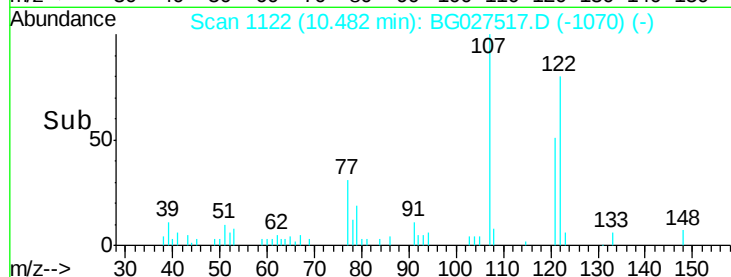
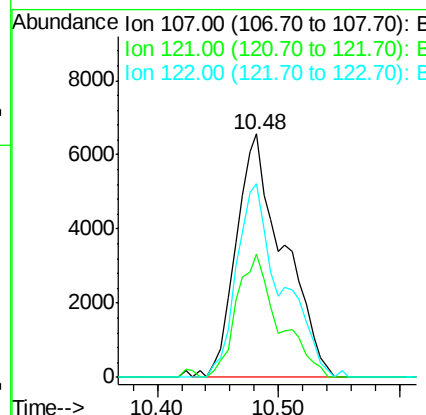
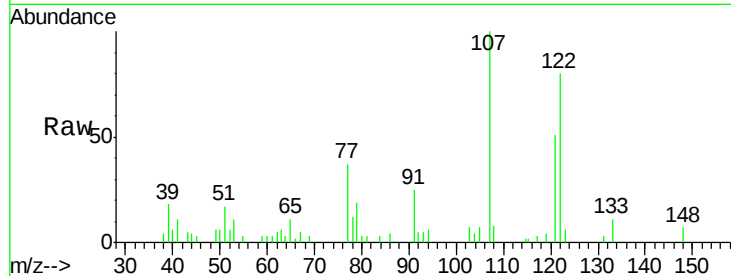
#24
2,4-Dimethylphenol
Concen: 3.399 ng/ul
RT: 10.48 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Instrument :
BNA_G
ClientSampled :
F5B27

Tgt Ion	Ratio	Lower	Upper
107	100		
121	50.5	32.3	48.5#
122	79.7	61.2	91.8

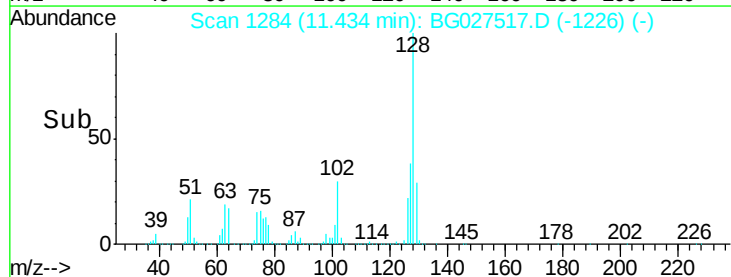
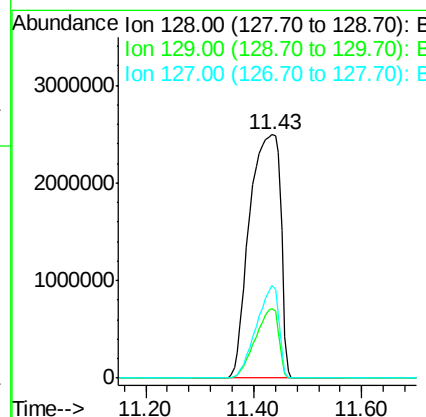
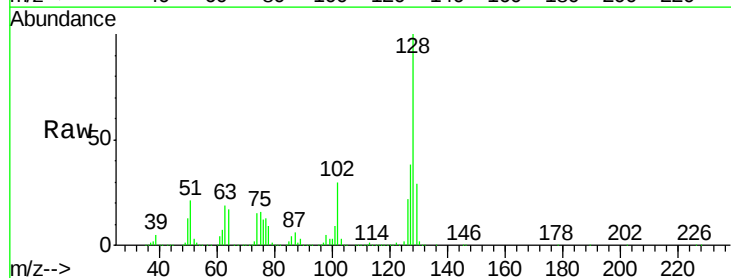
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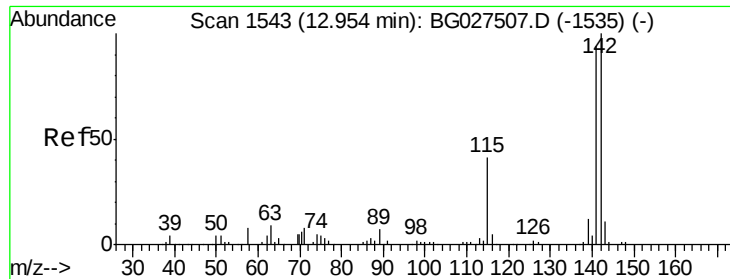
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#28
Naphthalene
Concen: 738.715 ng/ul
RT: 11.43 min Scan# 1284
Delta R.T. 0.04 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	28.8	9.4	14.2#
127	38.0	10.3	15.5#





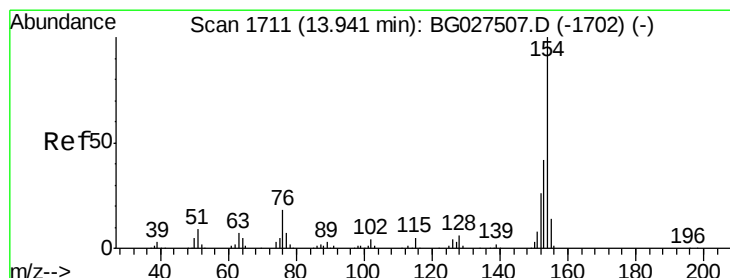
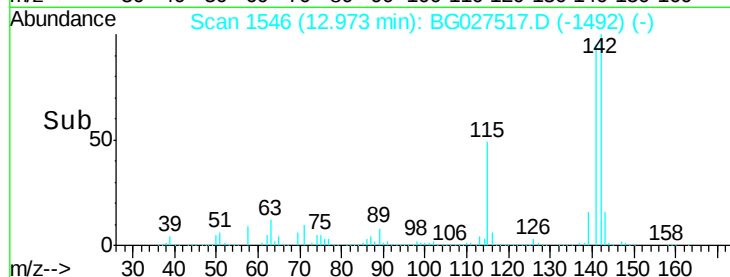
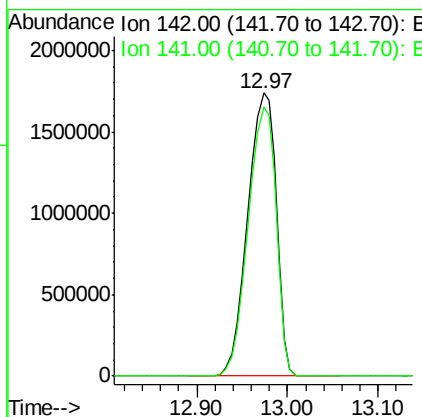
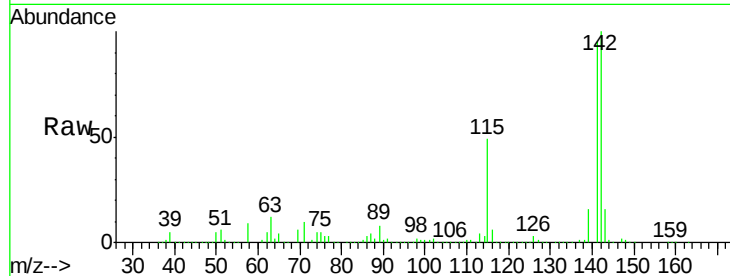
#34
 2-Methylnaphthalene
 Concen: 384.525 ng/ul
 RT: 12.97 min Scan# 1546
 Delta R.T. 0.02 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:142 Resp: 3808682
 Ion Ratio Lower Upper
 142 100
 141 95.1 68.6 102.8

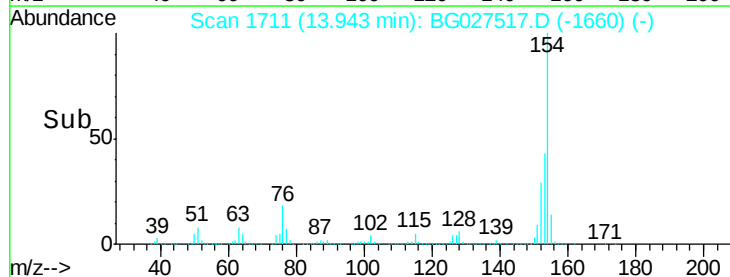
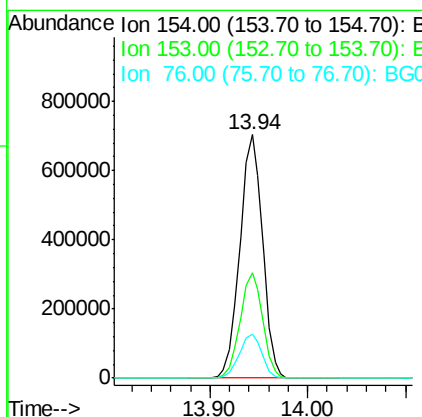
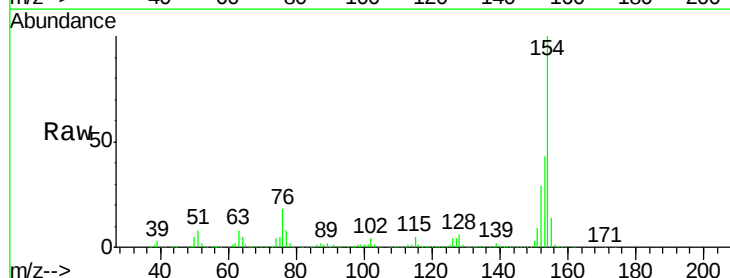
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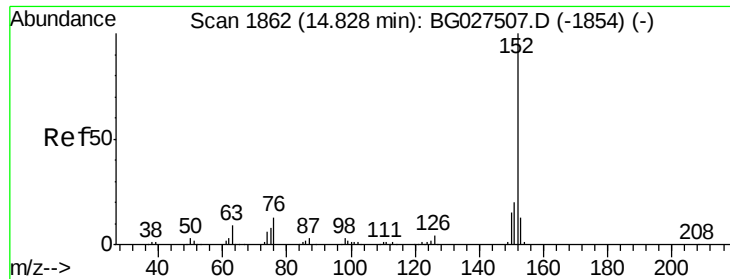
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#40
 1,1'-Biphenyl
 Concen: 85.381 ng/ul
 RT: 13.94 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Tgt Ion:154 Resp: 1131227
 Ion Ratio Lower Upper
 154 100
 153 43.0 32.2 48.2
 76 18.0 9.6 14.4#





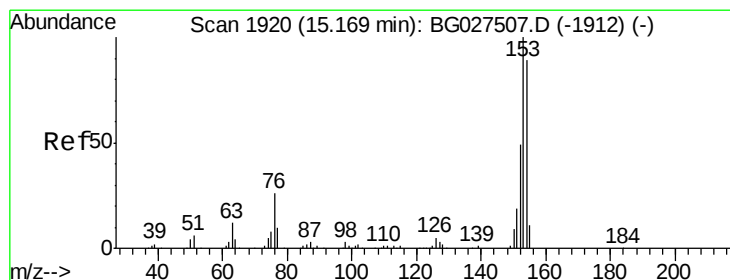
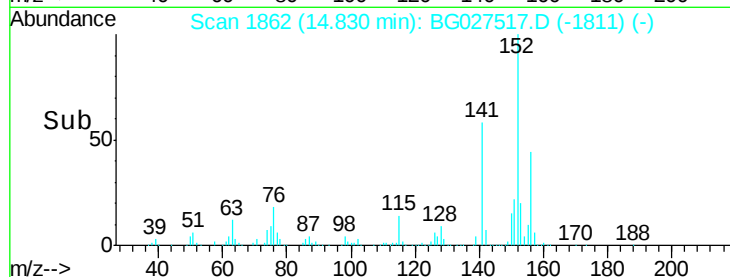
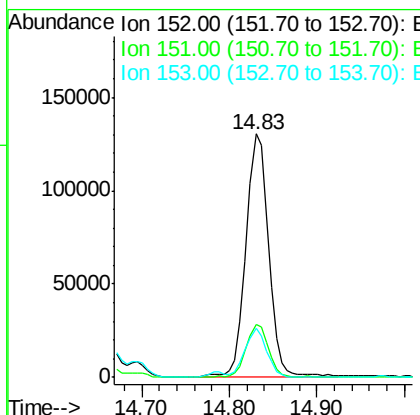
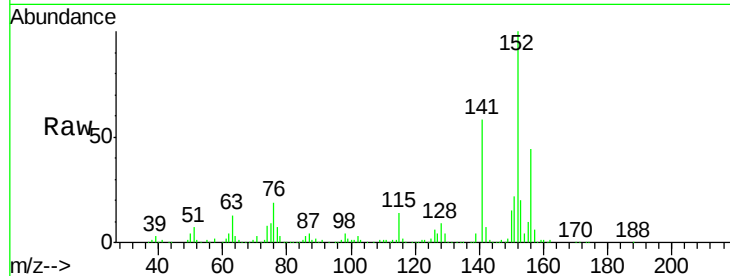
#47
Acenaphthylene
Concen: 14.167 ng/ul
RT: 14.83 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Instrument :
BNA_G
ClientSampleId :
F5B27

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	229296		
151	21.5	16.7	25.1	
153	20.1	11.4	17.2	

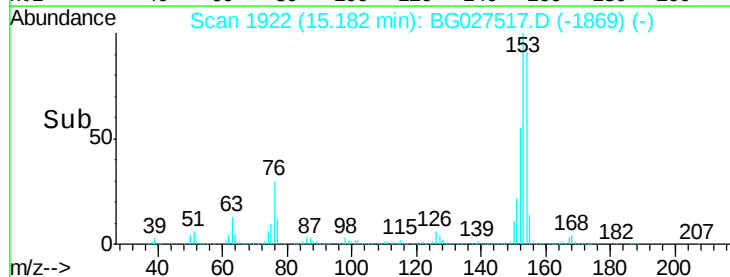
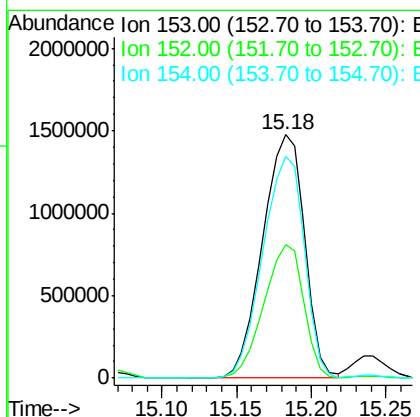
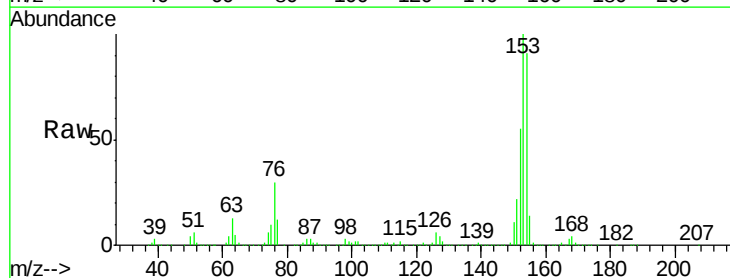
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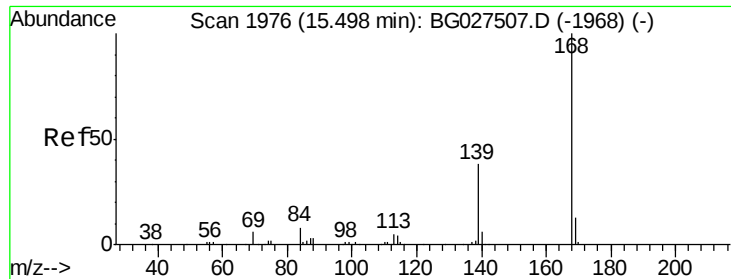
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#49
Acenaphthene
Concen: 256.154 ng/ul
RT: 15.18 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	2891576		
152	54.9	36.5	54.7	
154	91.2	72.3	108.5	





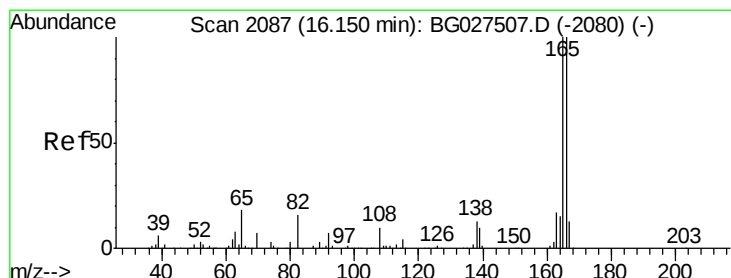
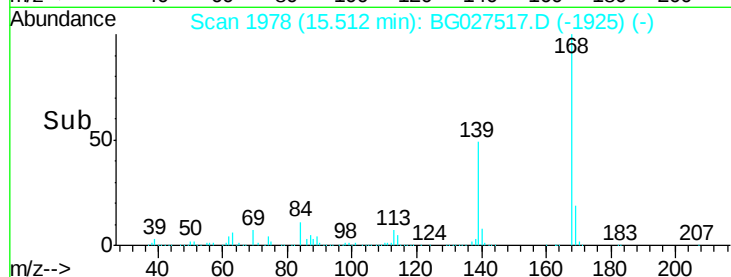
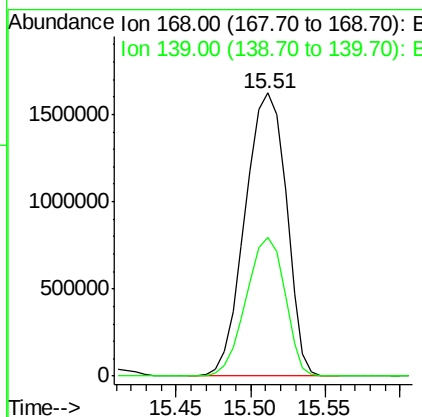
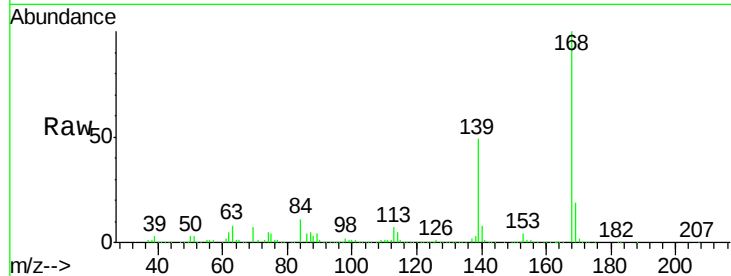
#53
Dibenzenofuran
Concen: 189.091 ng/ul
RT: 15.51 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Instrument :
BNA_G
ClientSampleId :
F5B27

Tgt Ion:168 Resp: 3111089
Ion Ratio Lower Upper
168 100
139 49.2 33.8 50.8

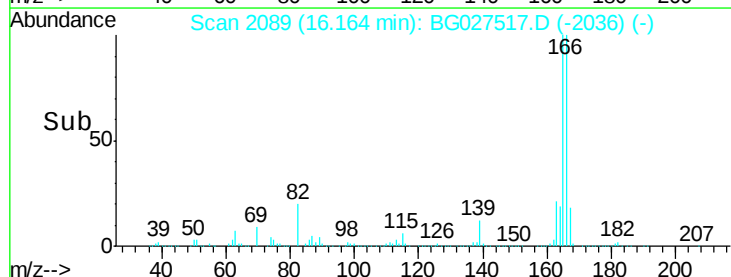
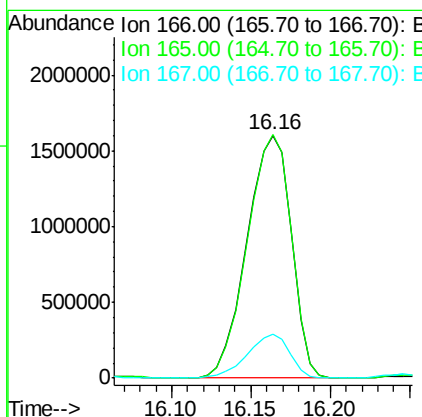
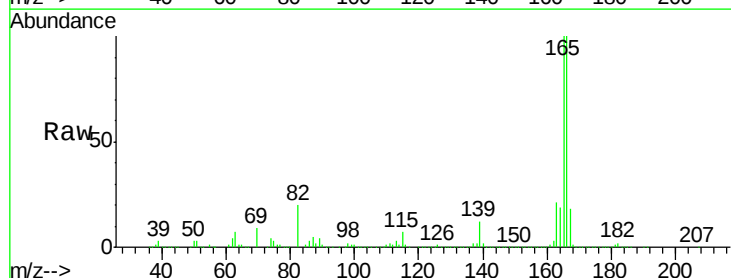
Manual Integrations
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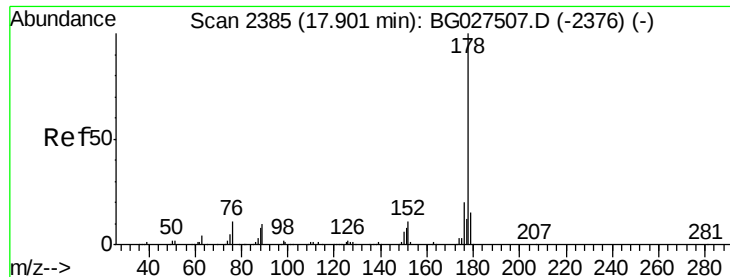
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#58
Fluorene
Concen: 228.256 ng/ul
RT: 16.16 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion:166 Resp: 3116501
Ion Ratio Lower Upper
166 100
165 100.3 79.7 119.5
167 18.2 11.4 17.2#





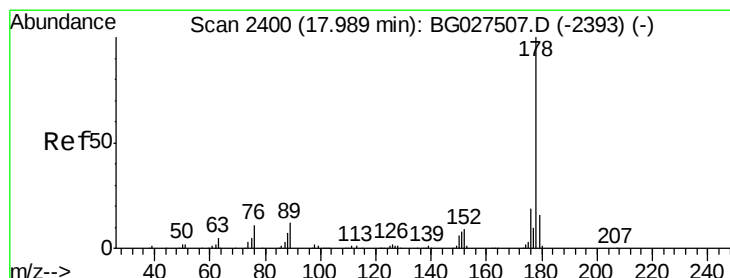
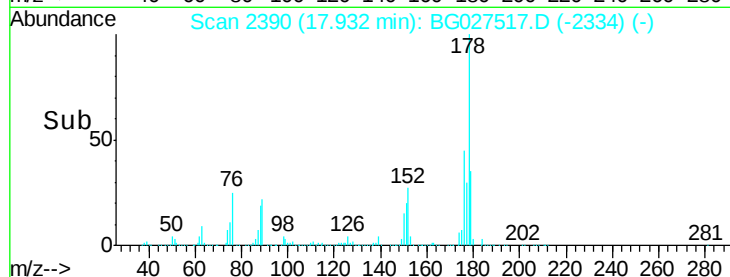
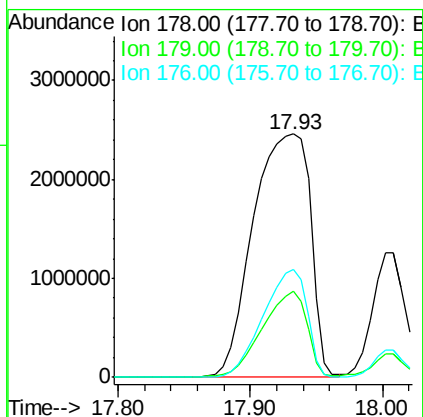
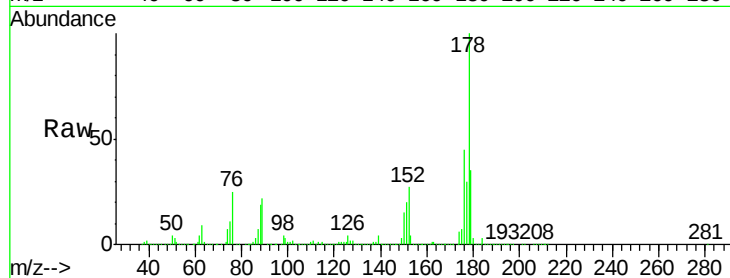
#69
Phenanthrene
Concen: 408.165 ng/ul m
RT: 17.93 min Scan# 2390
Delta R.T. 0.03 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Instrument :
BNA_G
ClientSampleId :
F5B27

Tgt Ion:178 Resp: 7358098
Ion Ratio Lower Upper
178 100
179 35.4 12.4 18.6#
176 44.6 16.5 24.7#

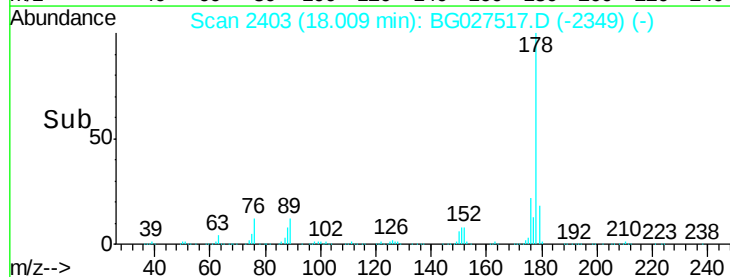
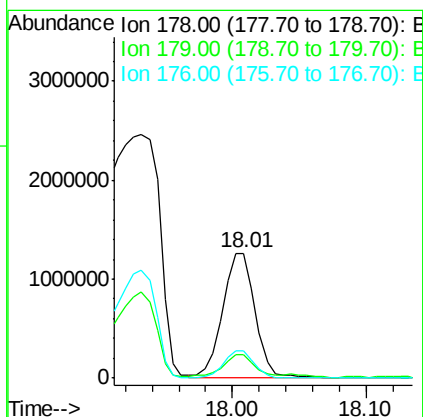
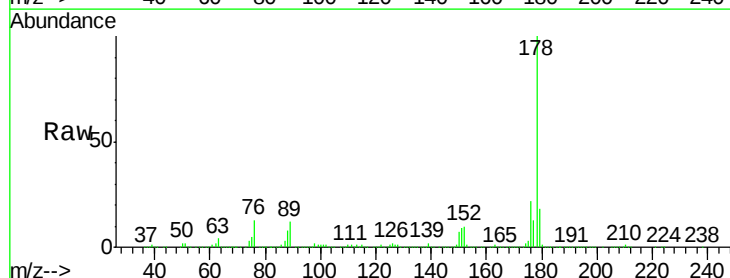
Manual Integrations
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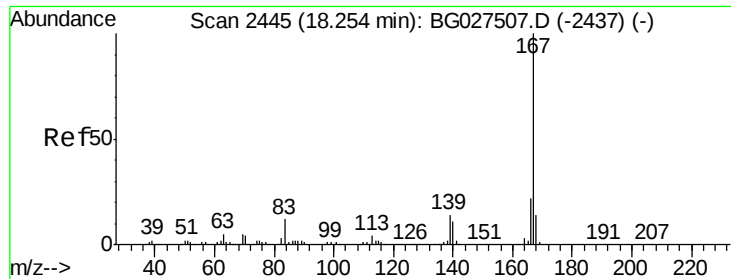
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#71
Anthracene
Concen: 116.148 ng/ul
RT: 18.01 min Scan# 2403
Delta R.T. 0.02 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion:178 Resp: 2129076
Ion Ratio Lower Upper
178 100
179 18.4 12.6 19.0
176 21.9 15.9 23.9





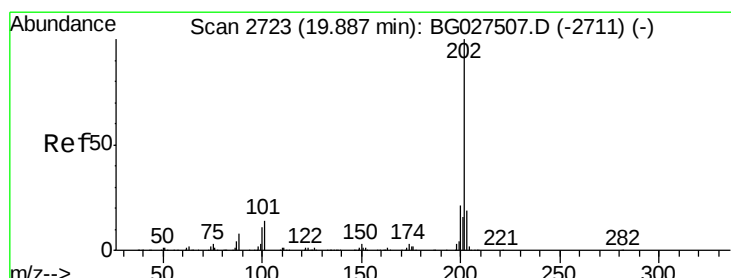
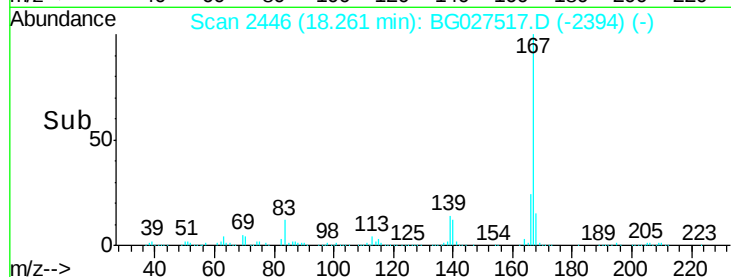
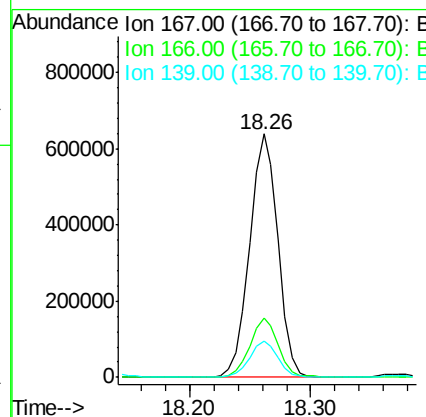
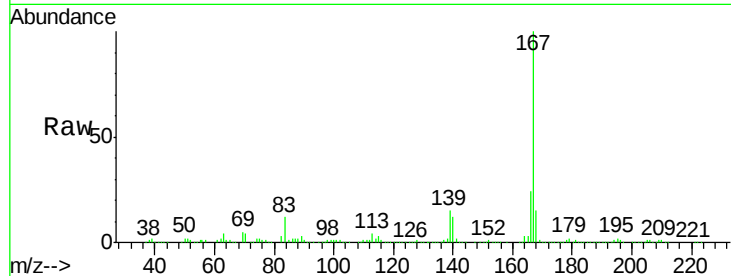
#72
 Carbazole
 Concen: 65.862 ng/ul
 RT: 18.26 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Instrument :
 BNA_G
 ClientSampleId :
 F5B27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.9	26.9
139	14.7	10.5	15.7

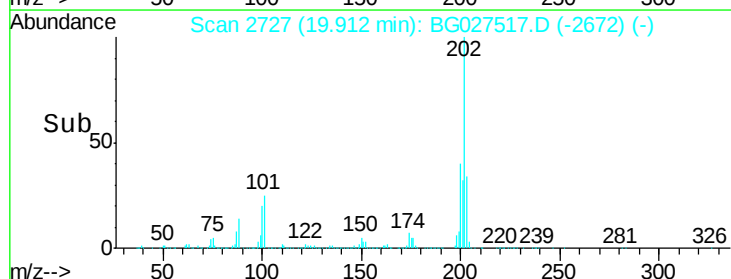
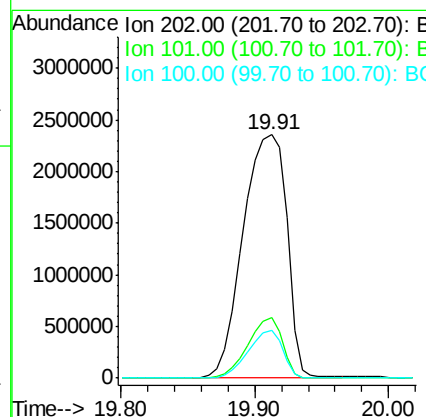
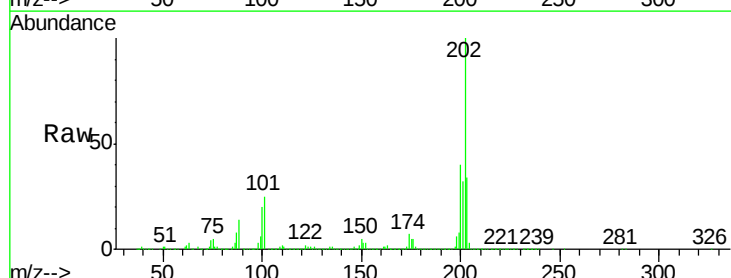
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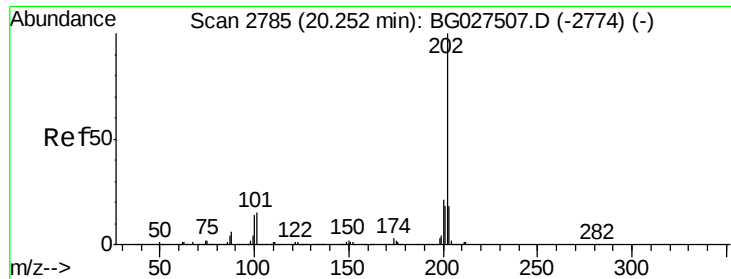
mohammad
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#74
 Fluoranthene
 Concen: 263.101 ng/ul
 RT: 19.91 min Scan# 2727
 Delta R.T. 0.02 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	24.7	6.2	9.2#
100	19.9	5.2	7.8#





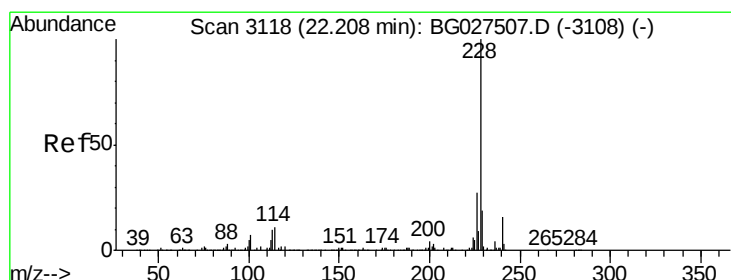
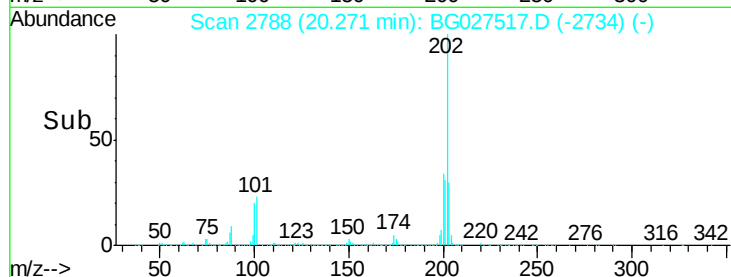
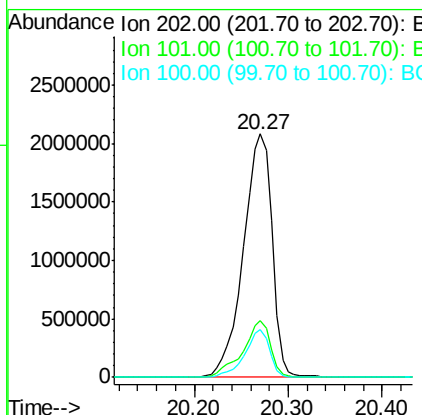
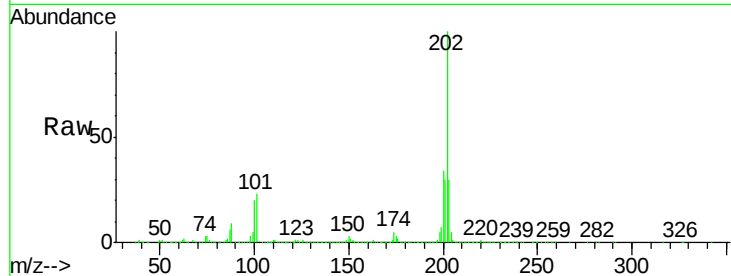
#77
 Pyrene
 Concen: 185.254 ng/ul
 RT: 20.27 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Instrument :
 BNA_G
 ClientSampleId :
 F5B27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	23.4	6.9	10.3#
100	19.8	6.6	10.0#

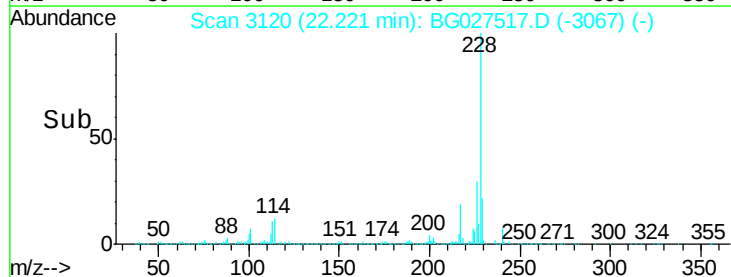
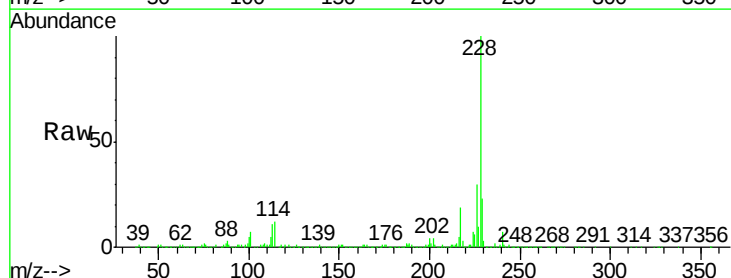
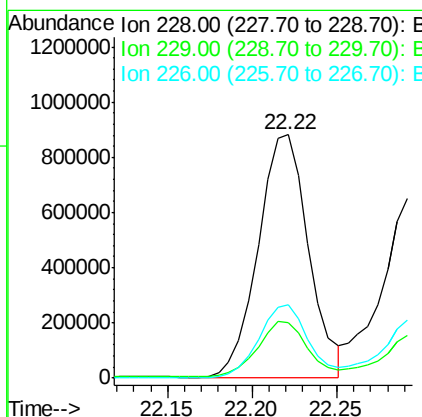
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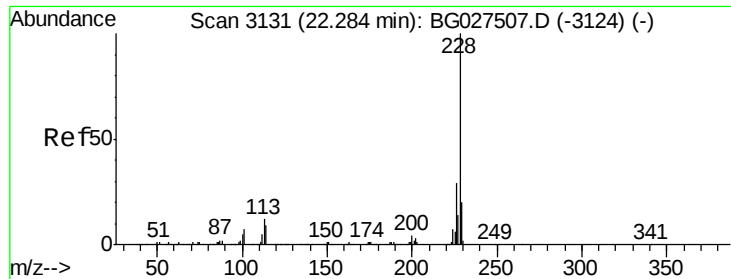
mohammad
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#80
 Benzo(a)anthracene
 Concen: 81.760 ng/ul
 RT: 22.22 min Scan# 3120
 Delta R.T. 0.01 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.7	16.3	24.5
226	30.3	21.9	32.9





#82

Chrysene

Concen: 67.836 ng/ul

RT: 22.29 min Scan# 3132

Delta R.T. 0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

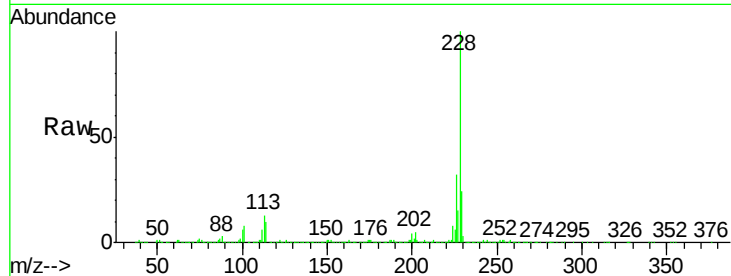
ClientSampleId :

F5B27

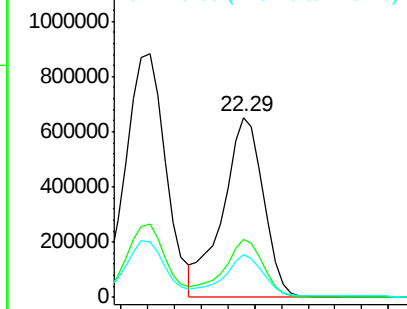
Tgt Ion:228 Resp: 1371057
 Ion Ratio Lower Upper
 228 100
 226 32.4 24.0 36.0
 229 23.7 16.9 25.3

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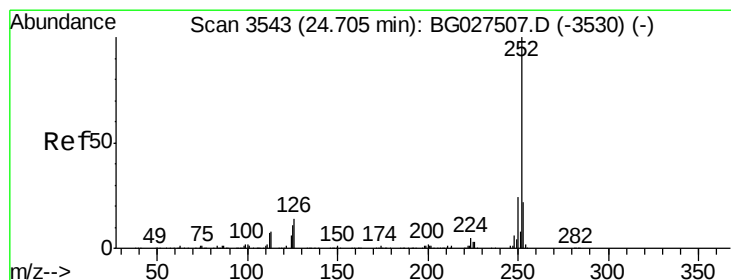
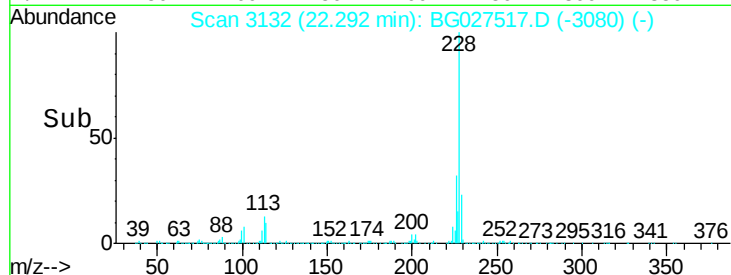
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Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 44.196 ng/ul

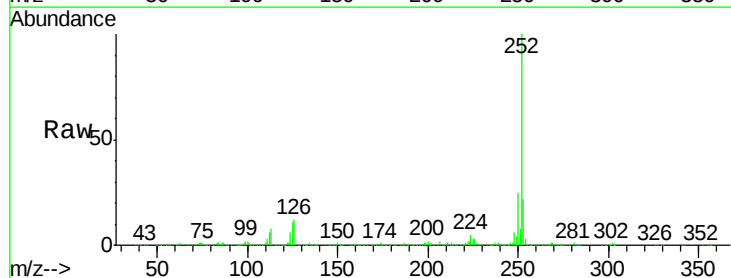
RT: 24.73 min Scan# 3547

Delta R.T. 0.02 min

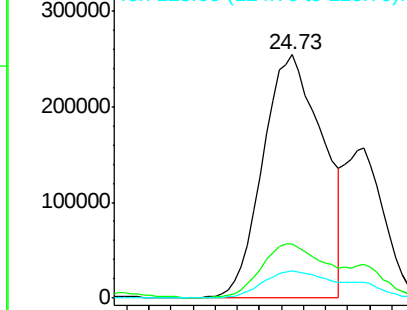
Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

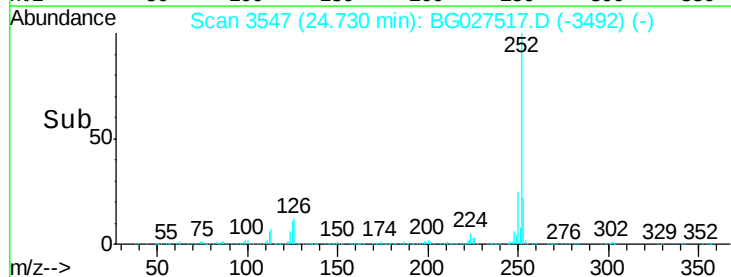
Tgt Ion:252 Resp: 953331
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 11.1 4.0 6.0#

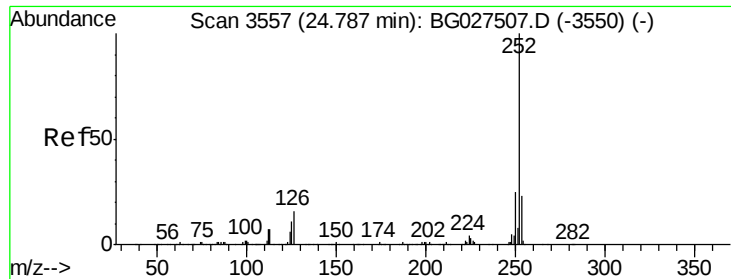


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E



Time-->





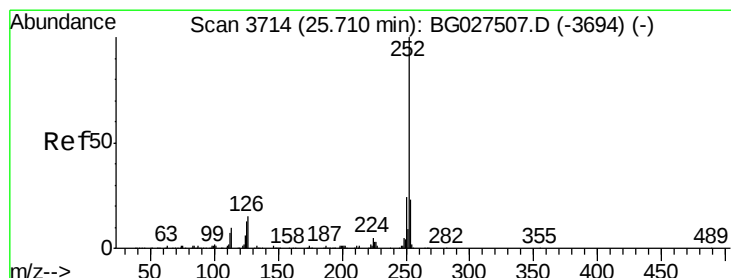
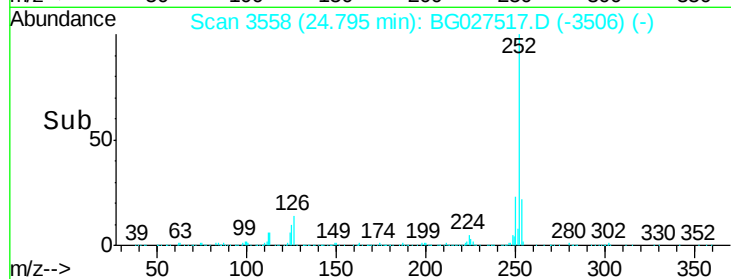
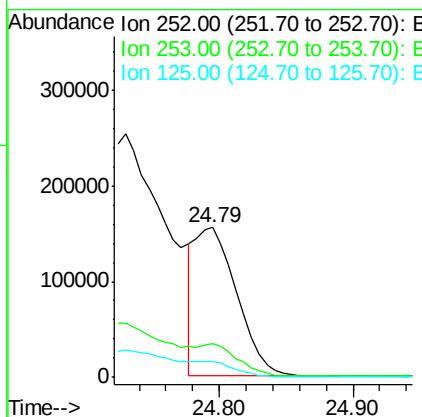
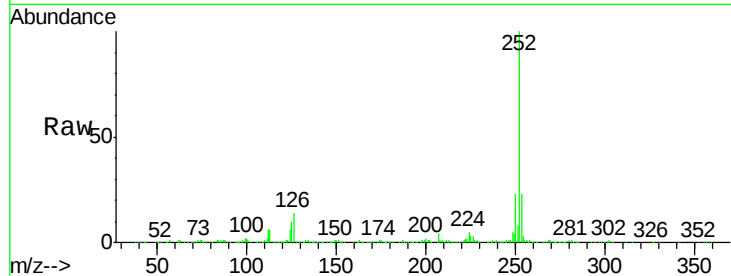
#86
Benzo(k)fluoranthene
Concen: 16.116 ng/ul
RT: 24.79 min Scan# 3558
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Instrument :
BNA_G
ClientSampleId :
F5B27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	10.3	4.1	6.1

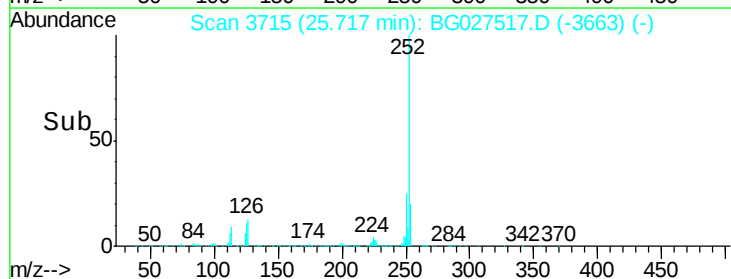
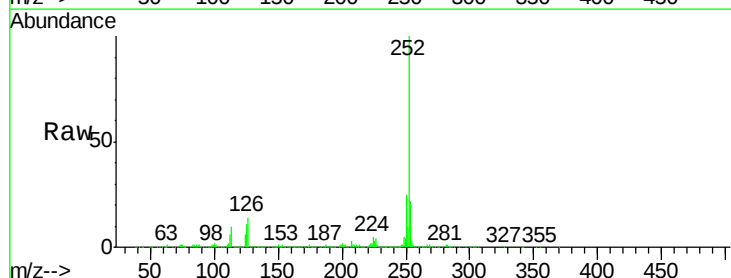
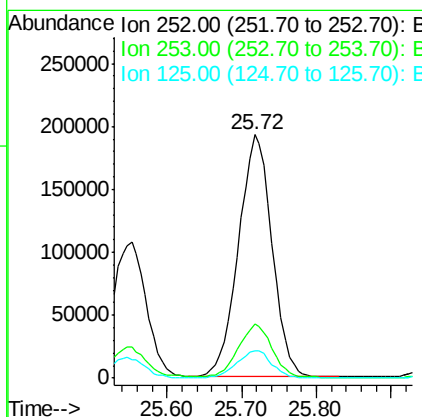
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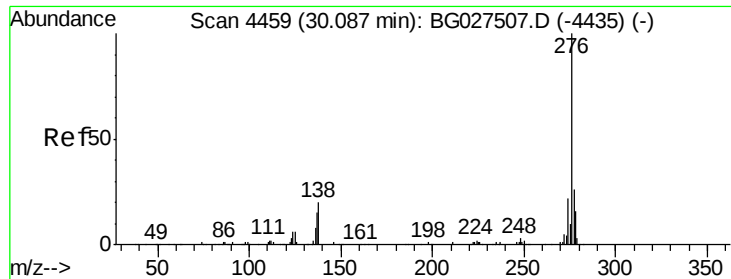
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#88
Benzo(a)pyrene
Concen: 29.000 ng/ul
RT: 25.72 min Scan# 3715
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.3	5.4	8.0





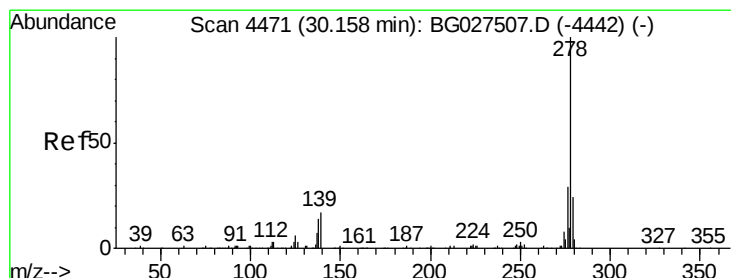
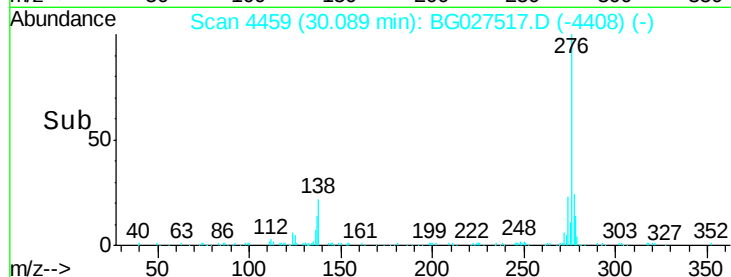
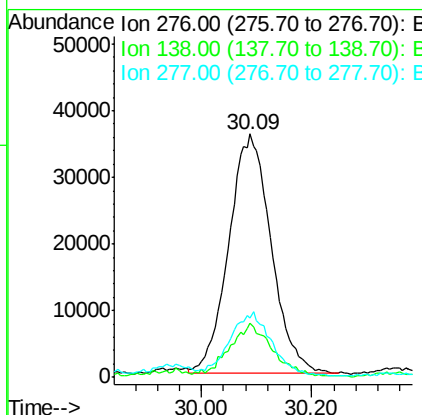
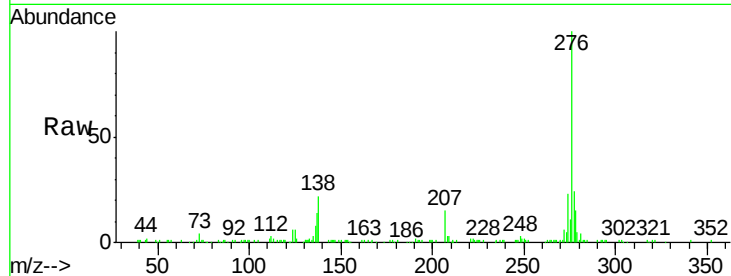
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 8.117 ng/ul
 RT: 30.09 min Scan# 4459
 Delta R.T. 0.00 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Instrument :
 BNA_G
 ClientSampleId :
 F5B27

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	191903		
138	22.5	8.2	12.4#	
277	24.5	18.6	28.0	

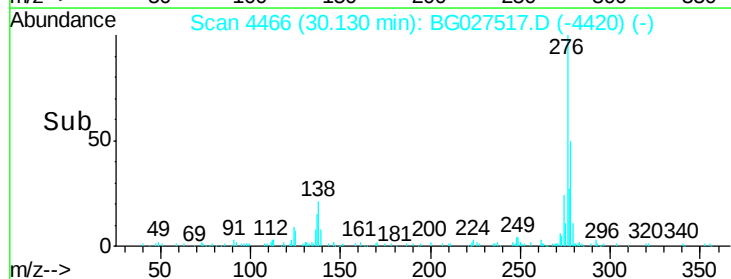
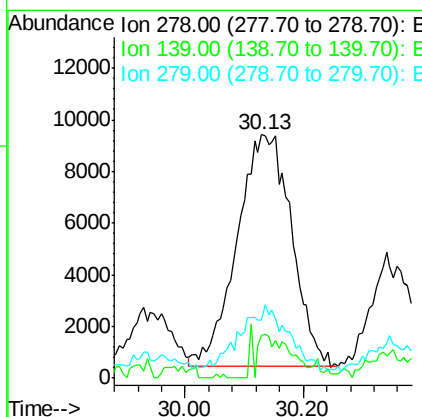
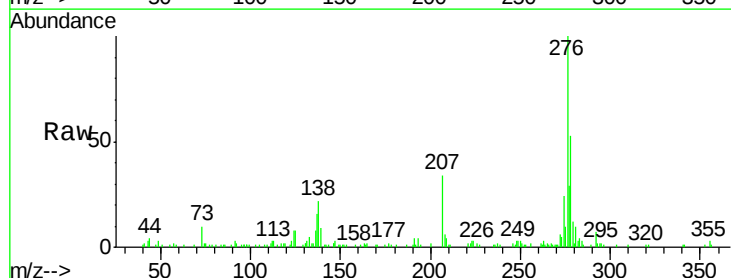
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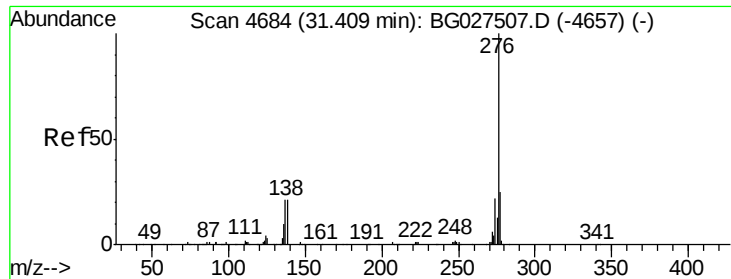
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#90
 Dibenzo(a,h)anthracene
 Concen: 2.809 ng/ul
 RT: 30.13 min Scan# 4466
 Delta R.T. -0.03 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	57018		
139	17.7	6.7	10.1#	
279	23.6	20.9	31.3	





#91
 Benzo(g,h,i)perylene
 Concen: 6.283 ng/ul
 RT: 31.40 min Scan# 4682
 Delta R.T. -0.01 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Instrument :
 BNA_G
 ClientSampleId :
 F5B27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	8.6	12.8#
277	26.0	17.6	26.4

Manual Integrations
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