

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020316.D
 Acq On : 19 Dec 2015 17:50
 Operator : UM/SJ
 Sample : G4849-09
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Manual Integrations
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Quant Time: Dec 21 12:07:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 20 04:48:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	22031	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	93428	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	72499	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	145387m	20.00	ng/ul	0.03
78) Chrysene-d12	21.76	240	190862	20.00	ng/ul	0.02
86) Perylene-d12	25.03	264	181388	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1002	2.51	ng/uL	0.00
5) Phenol-d5	7.24	99	28375	14.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	19371	16.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	23943	16.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25379	15.28	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	14265	19.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	15456	19.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	28818	17.56	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	33803	18.33	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	95523	16.29	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	111479	16.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	14175	13.48	ng/ul	0.01
58) Fluorene-d10	15.72	176	86233	16.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	7293	8.46	ng/ul	0.06
71) Anthracene-d10	17.62	188	122973	18.36	ng/ul	0.05
79) Pyrene-d10	19.87	212	156274	17.57	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.80	264	175240	19.37	ng/ul	0.01

Target Compounds

						Ovalue
28) Naphthalene	11.01	128	5097669	1044.82	ng/ul#	63
34) 2-Methylnaphthalene	12.59	142	2254968	605.08	ng/ul	99
41) 1,1'-Biphenyl	13.57	154	1010168	184.69	ng/ul	99
45) Dimethylphthalate	14.18	163	31289	5.22	ng/ul	97
48) Acenaphthylene	14.45	152	281865	38.89	ng/ul#	94
50) Acenaphthene	14.83	153	3448048	707.00	ng/ul#	85
54) Dibenzofuran	15.15	168	3345973	461.20	ng/ul#	68
59) Fluorene	15.81	166	3425643	588.00	ng/ul#	97
70) Phenanthrene	17.59	178	8485011	1066.97	ng/ul#	37
72) Anthracene	17.65	178	1717179	212.90	ng/ul#	81
75) Carbazole	17.89	167	1313147	193.76	ng/ul	93
77) Fluoranthene	19.57	202	5986586	644.13	ng/ul#	46
80) Pyrene	19.93	202	4816715	416.97	ng/ul#	57
83) Benzo(a)anthracene	21.74	228	1969921	176.89	ng/ul#	87
85) Chrysene	21.82	228	1679237	160.10	ng/ul#	87
88) Benzo(b)fluoranthene	24.00	252	1026916	94.06	ng/ul	96
89) Benzo(k)fluoranthene	24.05	252	393087	37.52	ng/ul	99
91) Benzo(a)pyrene	24.88	252	590388	57.05	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.75	276	183527	14.89	ng/ul	95
93) Dibenzo(a,h)anthracene	28.80	278	55052m	5.38	ng/ul	
94) Benzo(a,h,i)perylene	29.92	276	127026	12.57	ng/ul	98

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

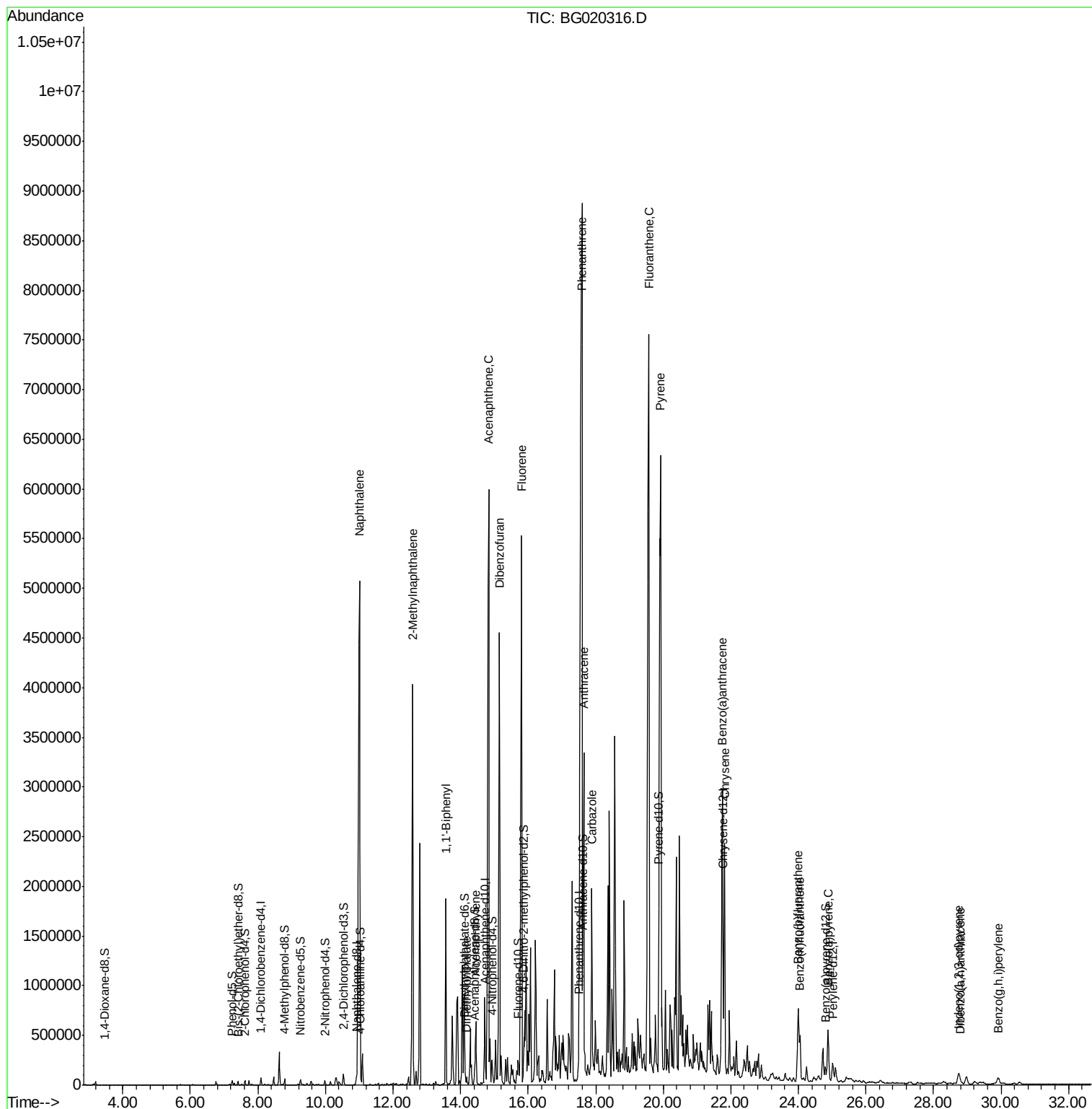
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

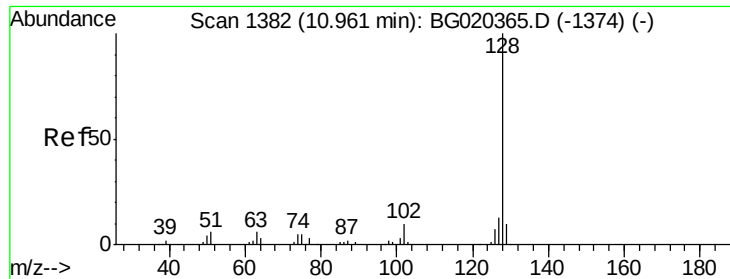
Instrument :
BNA_G
ClientSampled :
D9N73

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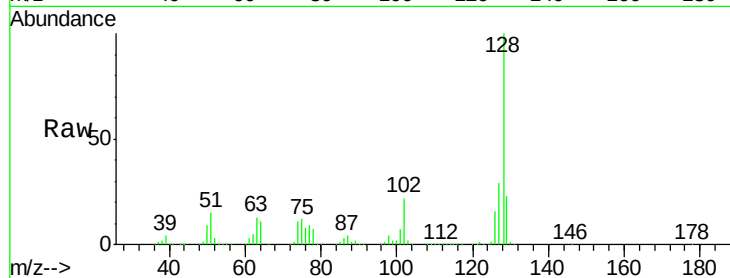
#28
Naphthalene
Concen: 1044.82 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. 0.05 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

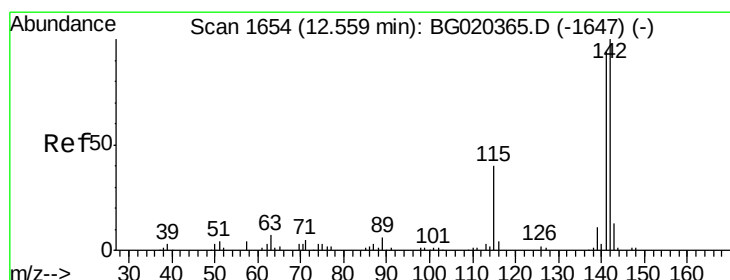
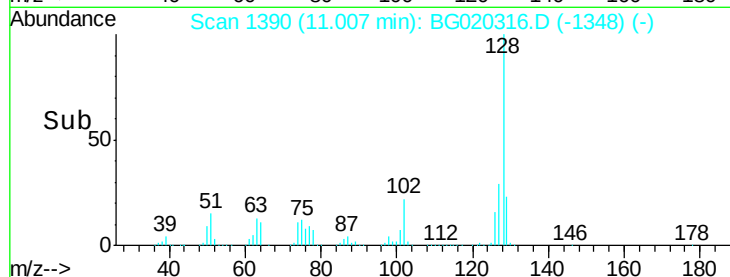
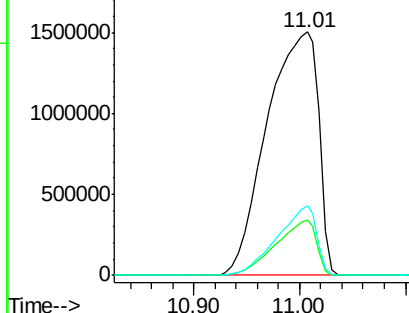
Tot Ion:128 Resp: 5097669
Ion Ratio Lower Upper
128 100
129 22.8 8.6 12.8#
127 28.6 10.1 15.1#

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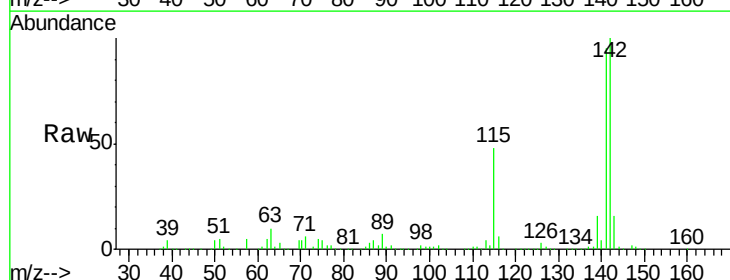


Abundance Ion 128.00 (127.70 to 128.70): E
2000000 Ion 129.00 (128.70 to 129.70): E
1500000 Ion 127.00 (126.70 to 127.70): E

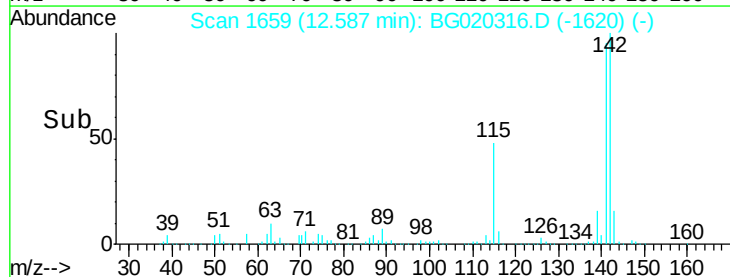
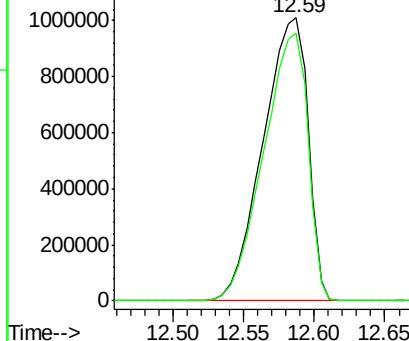


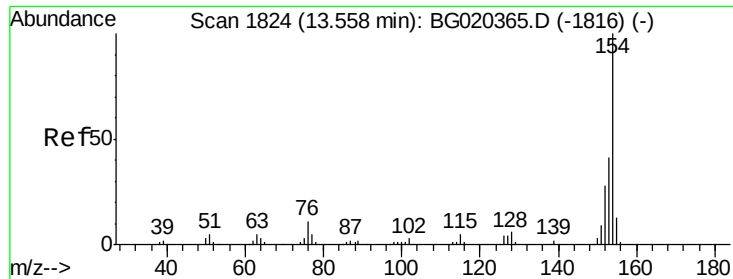
#34
2-Methylnaphthalene
Concen: 605.08 ng/ul
RT: 12.59 min Scan# 1659
Delta R.T. 0.03 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:142 Resp: 2254968
Ion Ratio Lower Upper
142 100
141 94.9 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E
1200000 Ion 141.00 (140.70 to 141.70): E





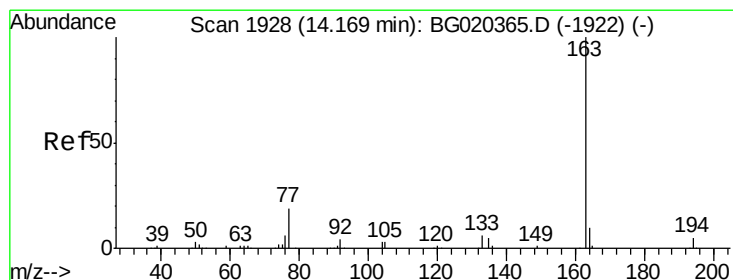
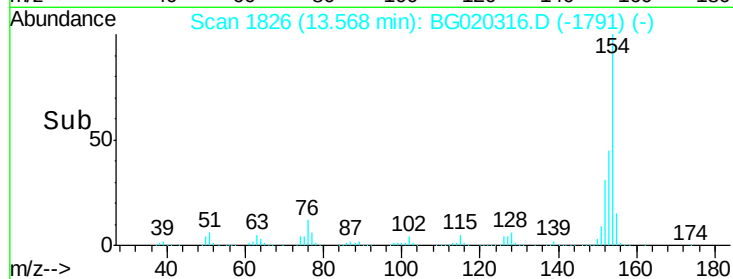
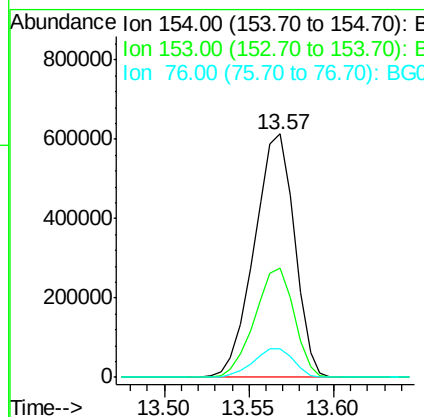
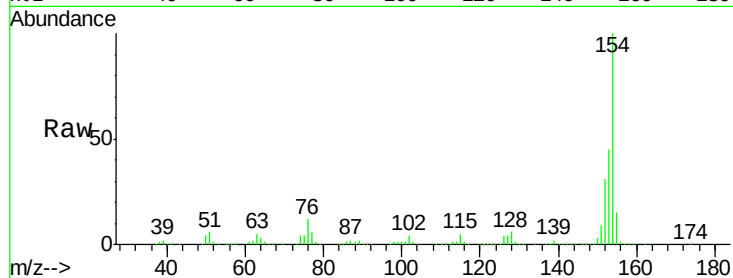
#41
1,1'-Biphenyl
Concen: 184.69 ng/ul
RT: 13.57 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tot Ion	Ratio	Lower	Upper
154	100		
153	44.7	35.5	53.3
76	11.9	10.4	15.6

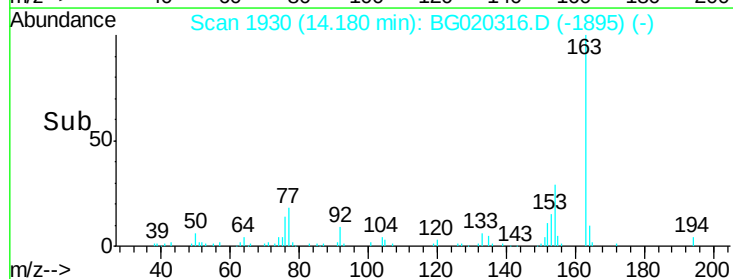
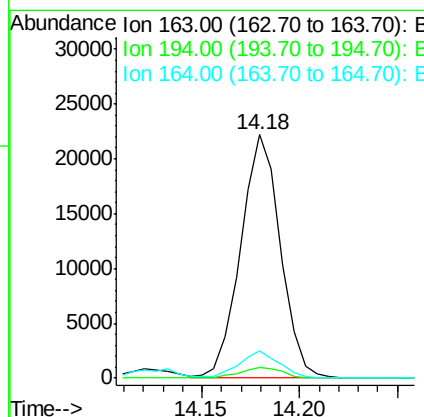
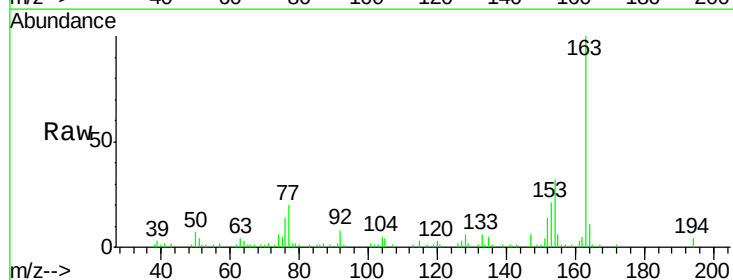
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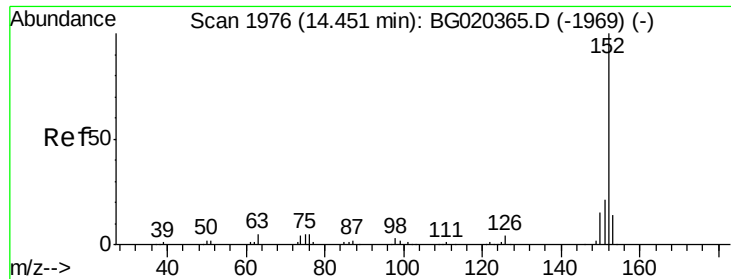
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#45
Dimethylphthalate
Concen: 5.22 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.01 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	11.1	7.7	11.5





#48

Acenaphthylene

Concen: 38.89 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020316.D

Acq: 19 Dec 2015 17:50

Instrument :

BNA_G

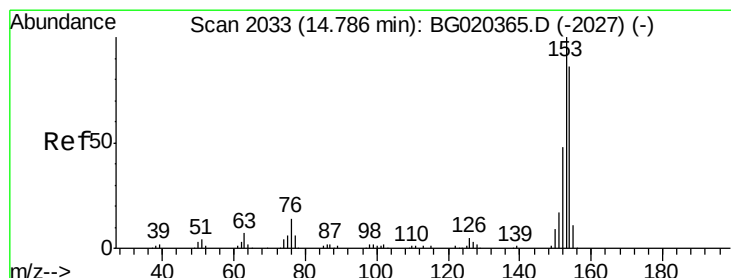
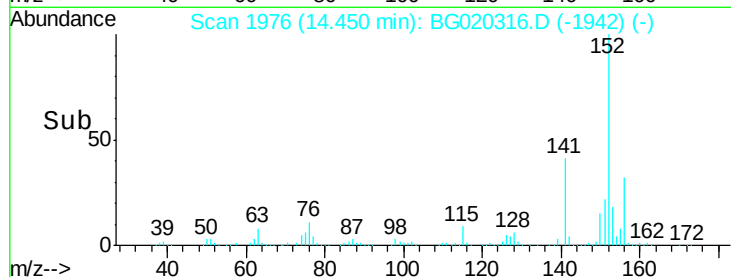
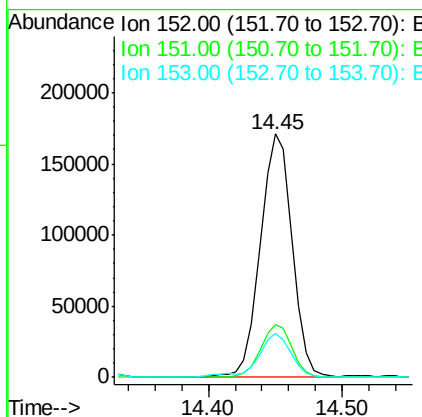
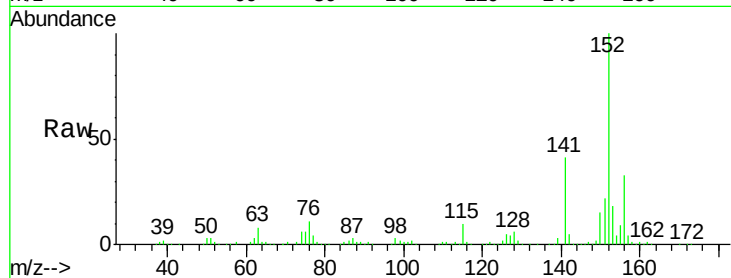
ClientSampleId :

D9N73

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.4	24.6
153	17.9	10.4	15.6

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#50

Acenaphthene

Concen: 707.00 ng/ul

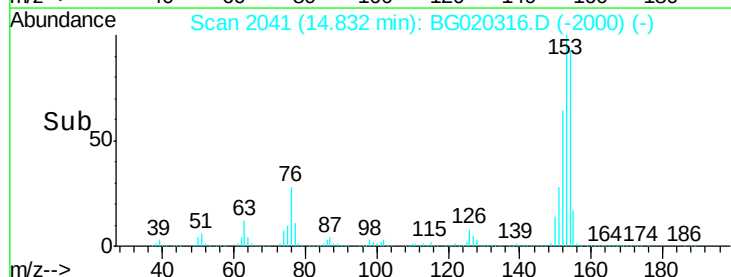
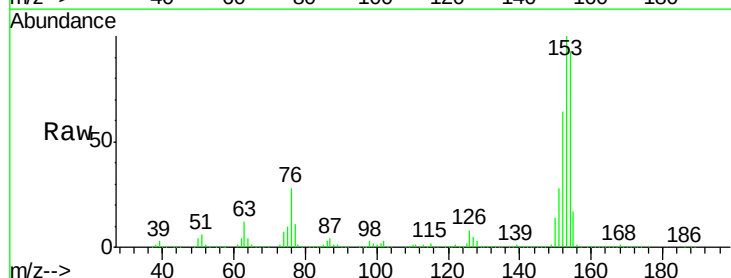
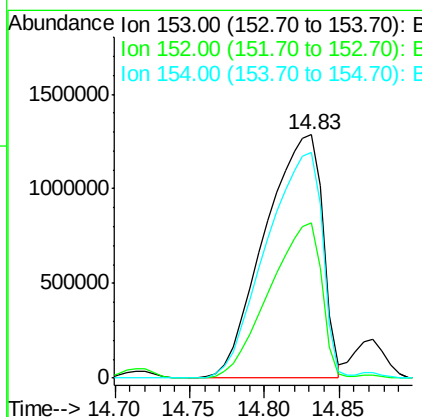
RT: 14.83 min Scan# 2041

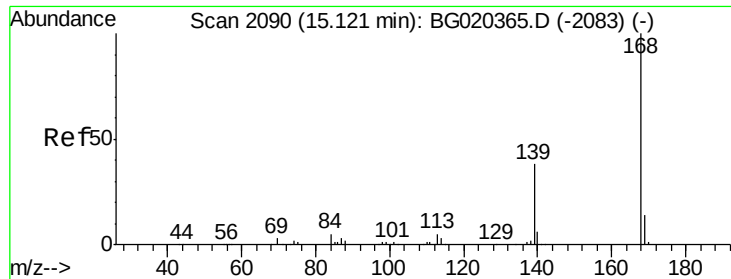
Delta R.T. 0.04 min

Lab File: BG020316.D

Acq: 19 Dec 2015 17:50

Tgt Ion	Ratio	Lower	Upper
153	100		
152	63.8	37.6	56.4
154	92.8	67.9	101.9





#54

Dibenzenofuran

Concen: 461.20 ng/ul

RT: 15.15 min Scan# 2096

Delta R.T. 0.04 min

Lab File: BG020316.D

Acq: 19 Dec 2015 17:50

Instrument :

BNA_G

ClientSampleId :

D9N73

Tot Ion:168 Resp: 3345973

Ion Ratio Lower Upper

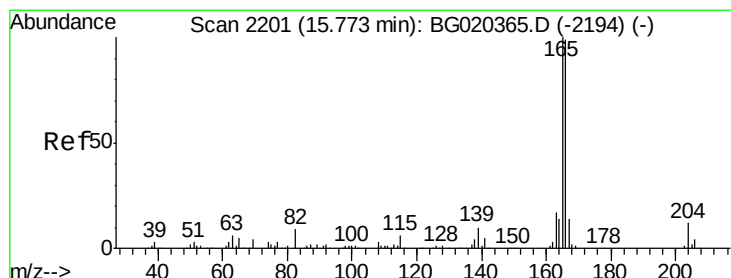
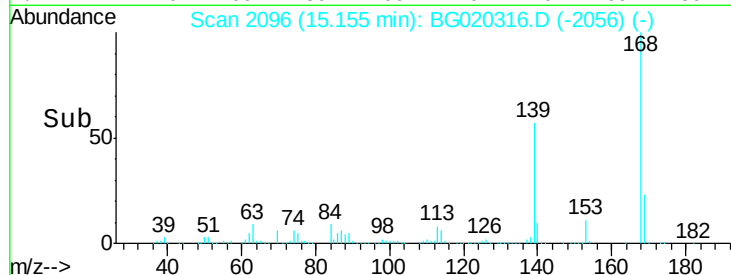
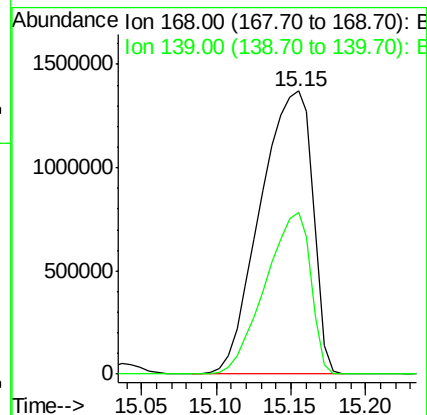
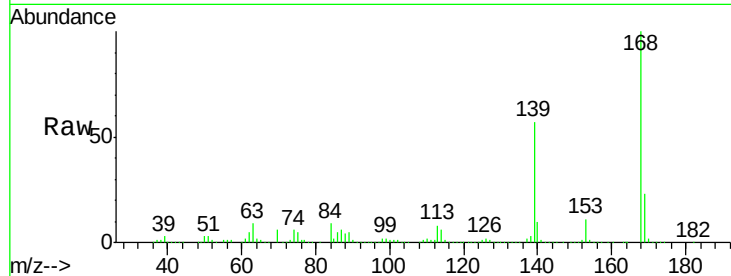
168 100

139 57.1 30.5 45.7#

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#59

Fluorene

Concen: 588.00 ng/ul

RT: 15.81 min Scan# 2207

Delta R.T. 0.04 min

Lab File: BG020316.D

Acq: 19 Dec 2015 17:50

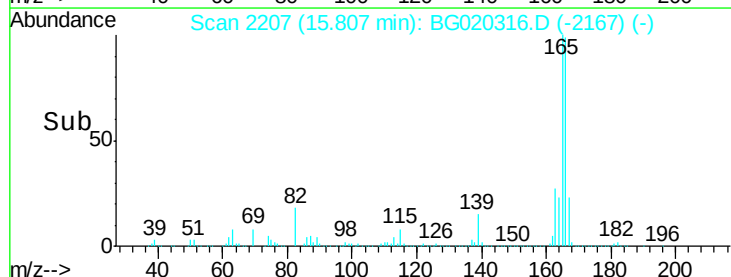
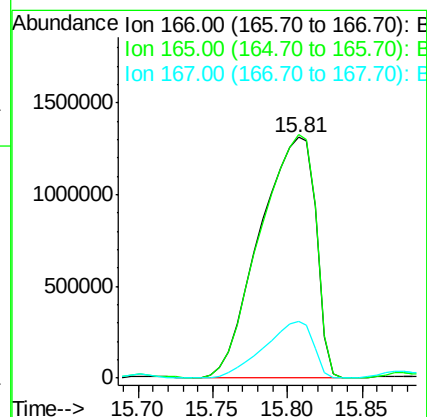
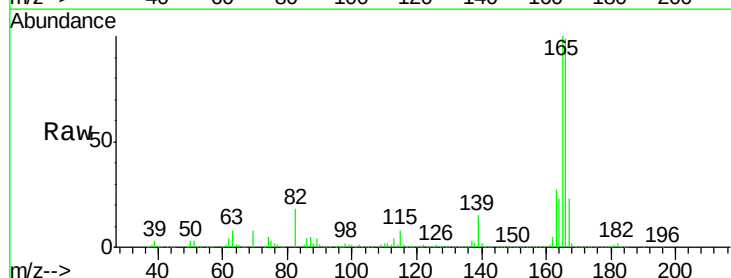
Tgt Ion:166 Resp: 3425643

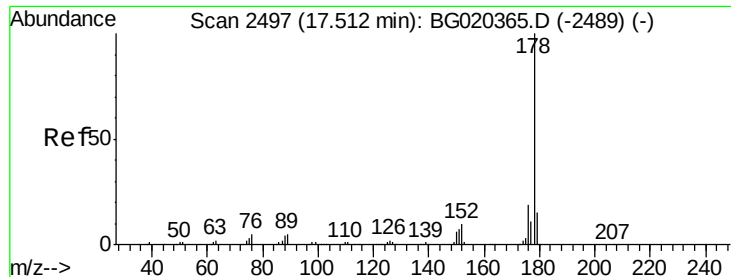
Ion Ratio Lower Upper

166 100

165 101.1 81.4 122.0

167 23.6 11.2 16.8#





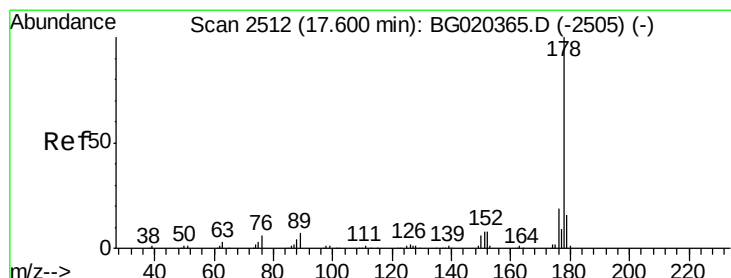
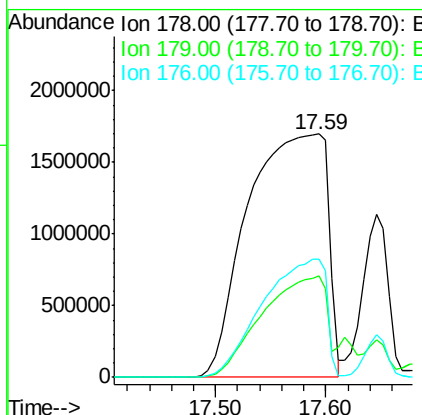
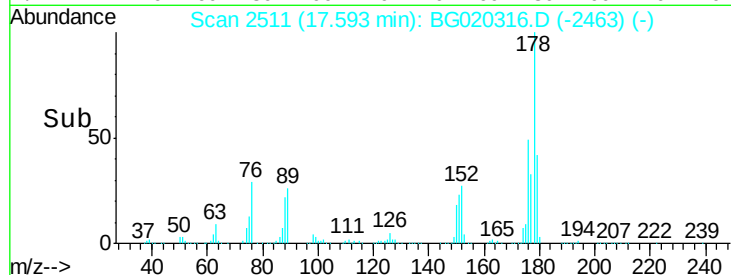
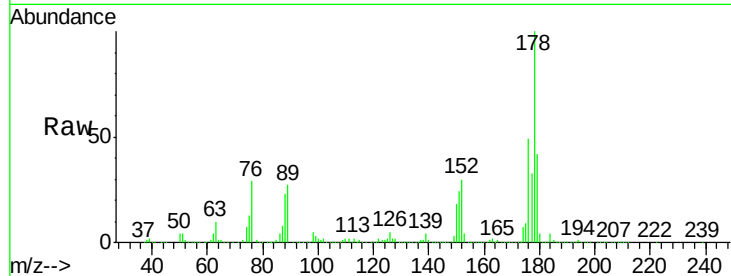
#70
 Phenanthrene
 Concen: 1066.97 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.08 min
 Lab File: BG020316.D
 Acq: 19 Dec 2015 17:50

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Tot Ion:178 Resp: 8485011
 Ion Ratio Lower Upper
 178 100
 179 41.6 12.9 19.3#
 176 48.6 15.3 22.9#

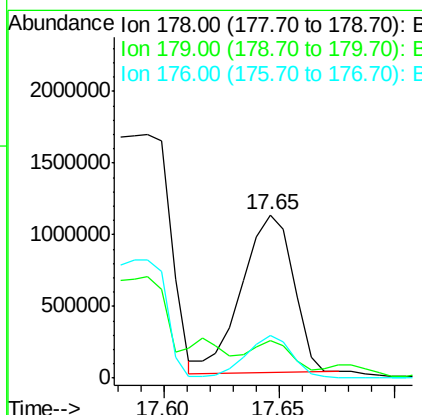
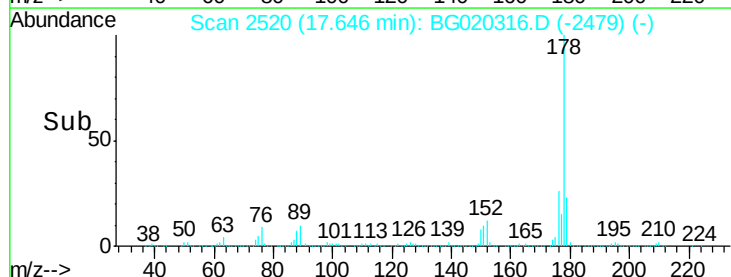
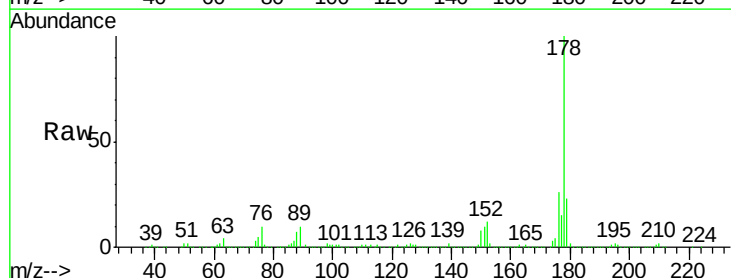
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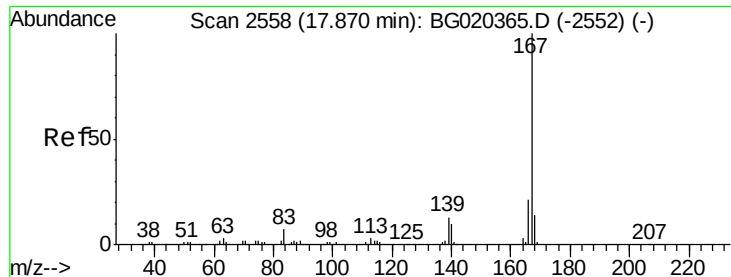
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#72
 Anthracene
 Concen: 212.90 ng/ul
 RT: 17.65 min Scan# 2520
 Delta R.T. 0.04 min
 Lab File: BG020316.D
 Acq: 19 Dec 2015 17:50

Tgt Ion:178 Resp: 1717179
 Ion Ratio Lower Upper
 178 100
 179 23.3 12.3 18.5#
 176 26.0 14.3 21.5#





#75

Carbazole

Concen: 193.76 ng/ul

RT: 17.89 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BG020316.D

Acq: 19 Dec 2015 17:50

Instrument :

BNA_G

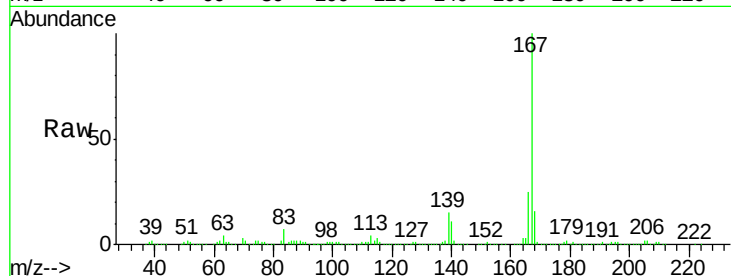
ClientSampleId :

D9N73

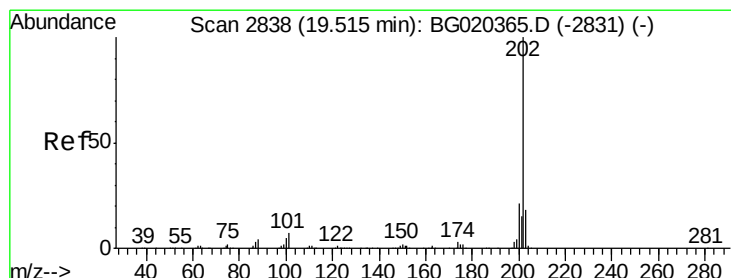
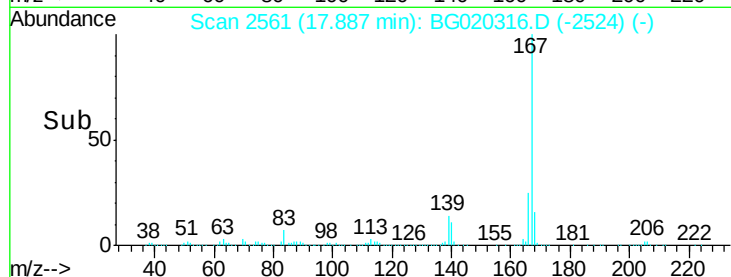
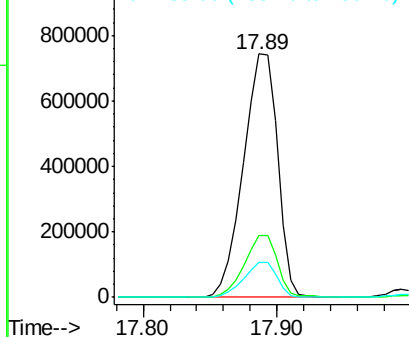
Tot Ion:	167	Resp:	1313147
Ion Ratio	Lower	Upper	
167	100		
166	25.4	17.0	25.6
139	14.6	10.1	15.1

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 644.13 ng/ul

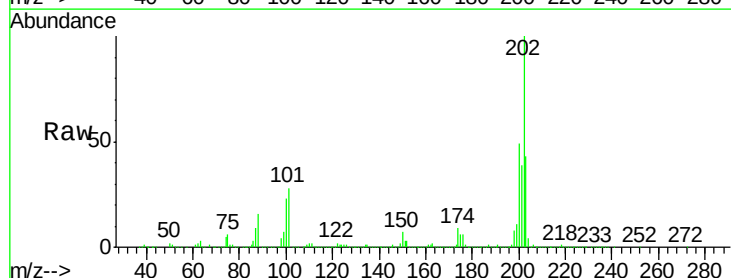
RT: 19.57 min Scan# 2847

Delta R.T. 0.06 min

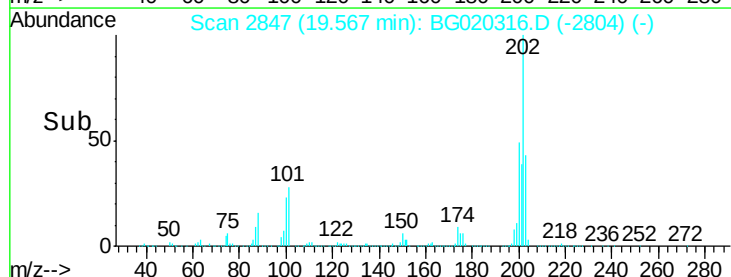
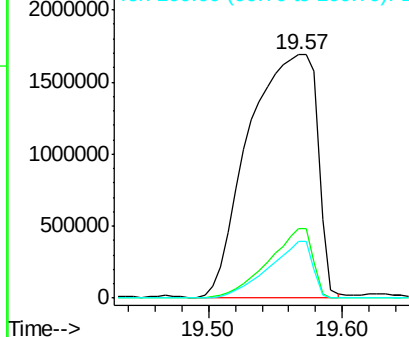
Lab File: BG020316.D

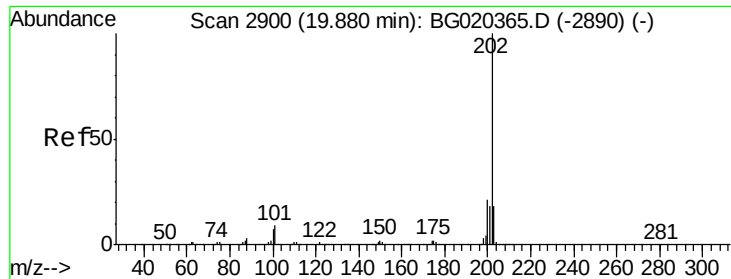
Acq: 19 Dec 2015 17:50

Tgt Ion:	202	Resp:	5986586
Ion Ratio	Lower	Upper	
202	100		
101	28.4	6.2	9.4#
100	23.2	5.1	7.7#



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





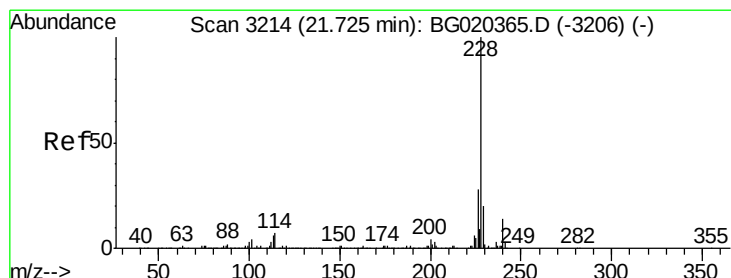
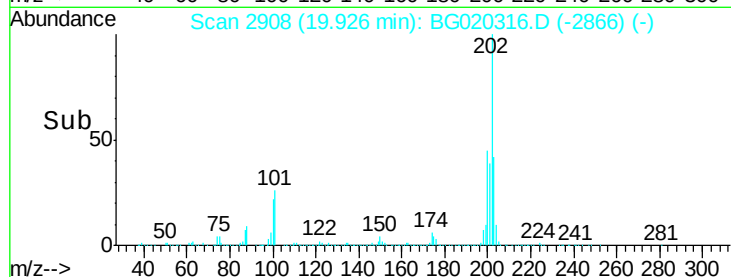
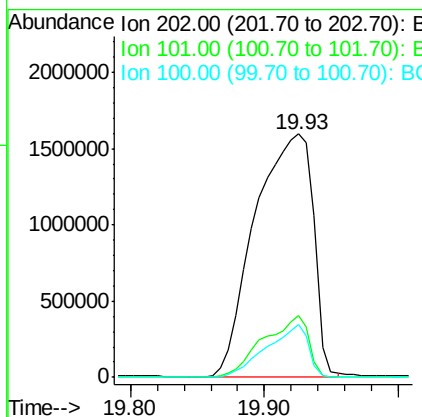
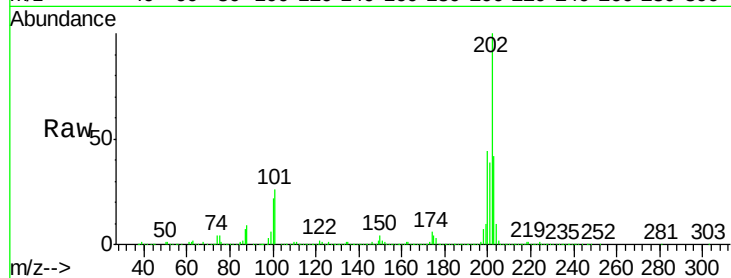
#80
Pvrene
Concen: 416.97 ng/ul
RT: 19.93 min Scan# 2908
Delta R.T. 0.05 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tot Ion	Ratio	Lower	Upper
202	100		
101	25.6	7.0	10.4#
100	21.8	6.4	9.6#

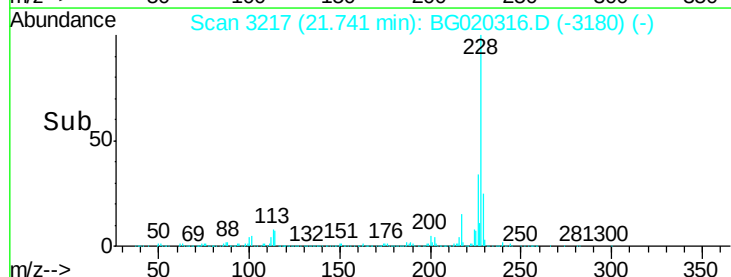
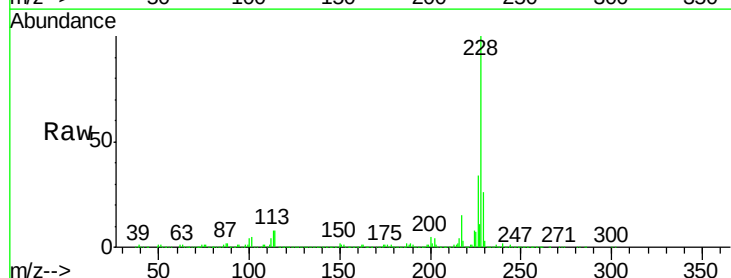
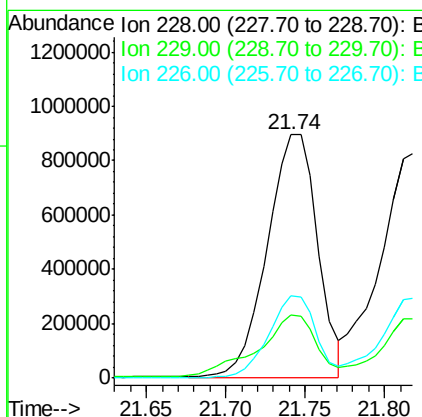
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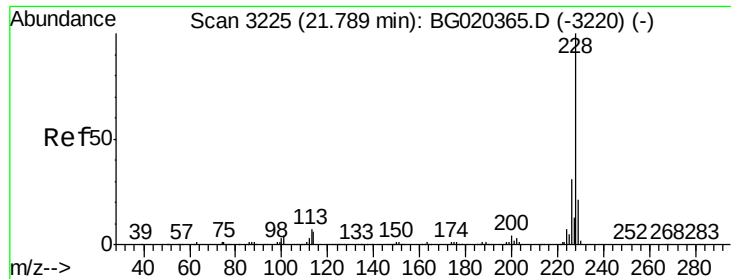
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#83
Benzo(a)anthracene
Concen: 176.89 ng/ul
RT: 21.74 min Scan# 3217
Delta R.T. 0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	26.0	15.8	23.8#
226	33.6	21.8	32.6#





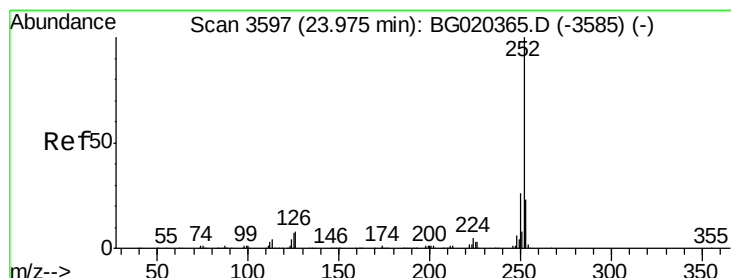
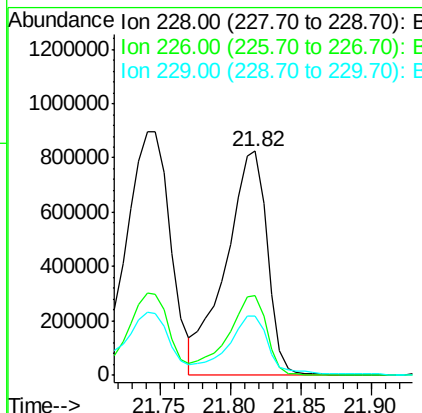
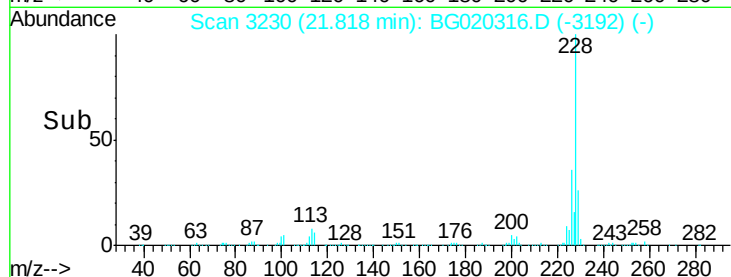
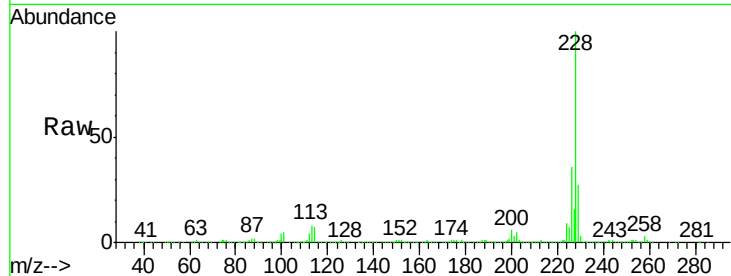
#85
 Chrysene
 Concen: 160.10 ng/ul
 RT: 21.82 min Scan# 3230
 Delta R.T. 0.03 min
 Lab File: BG020316.D
 Acq: 19 Dec 2015 17:50

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	23.9	35.9
229	26.6	15.6	23.4

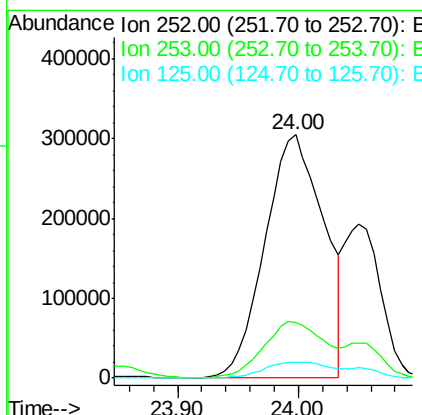
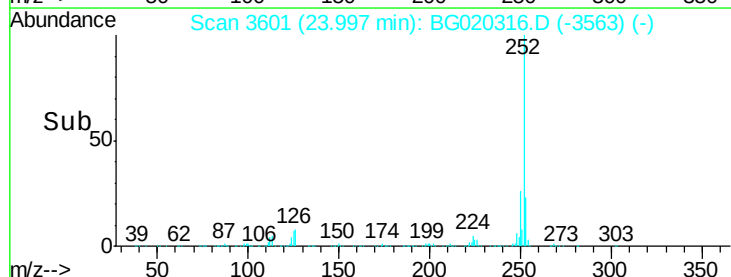
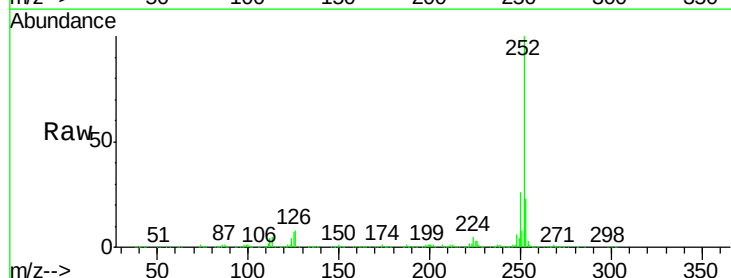
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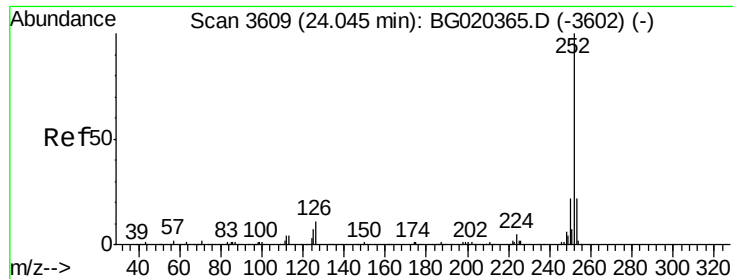
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#88
 Benzo(b)fluoranthene
 Concen: 94.06 ng/ul
 RT: 24.00 min Scan# 3601
 Delta R.T. 0.03 min
 Lab File: BG020316.D
 Acq: 19 Dec 2015 17:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.7	25.1
125	6.7	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 37.52 ng/ul

RT: 24.05 min Scan# 3610

Delta R.T. 0.01 min

Lab File: BG020316.D

Acq: 19 Dec 2015 17:50

Instrument :

BNA_G

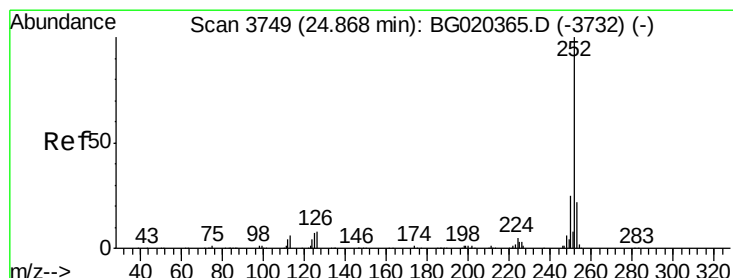
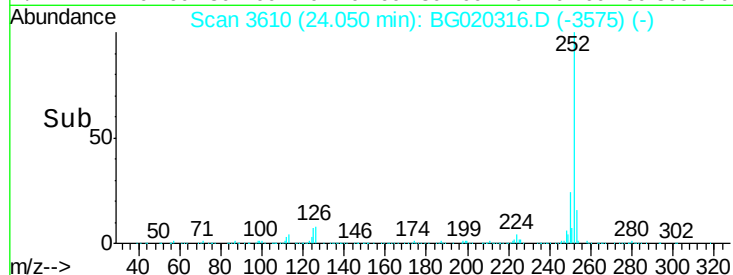
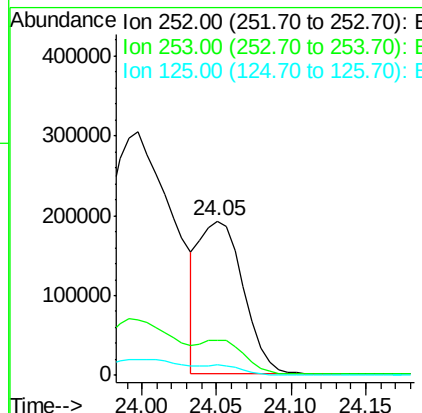
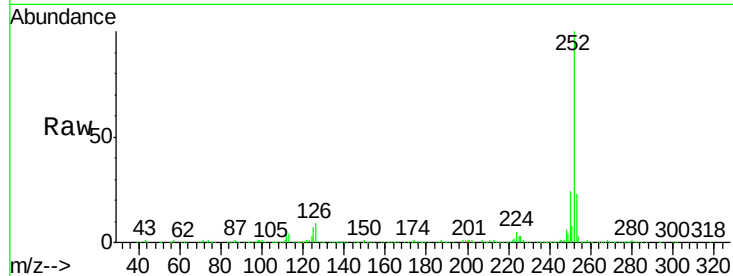
ClientSampleId :

D9N73

Tot Ion:	252	Resp:	393087
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	6.7	5.8	8.6

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#91

Benzo(a)pyrene

Concen: 57.05 ng/ul

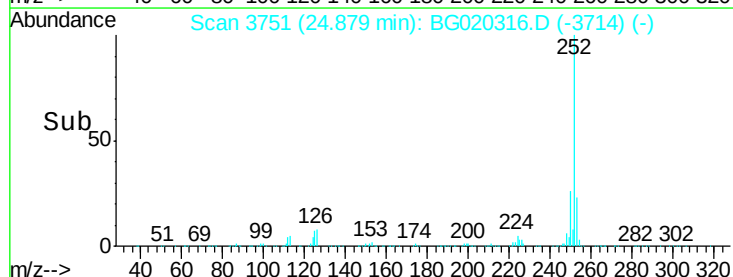
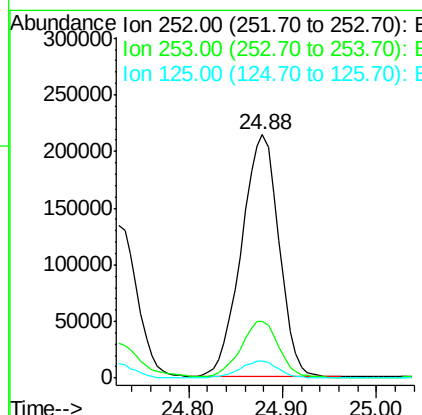
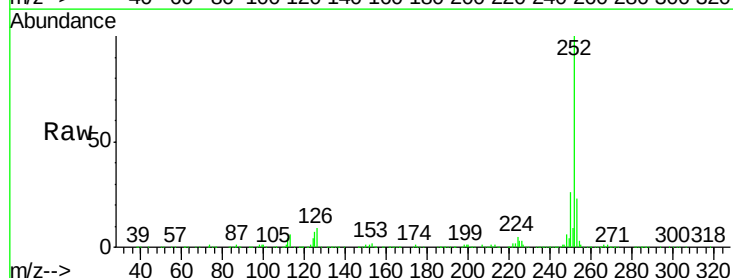
RT: 24.88 min Scan# 3751

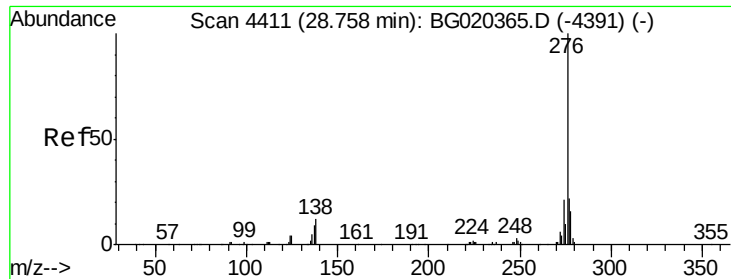
Delta R.T. 0.02 min

Lab File: BG020316.D

Acq: 19 Dec 2015 17:50

Tgt Ion:	252	Resp:	590388
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.4
125	6.8	6.2	9.4





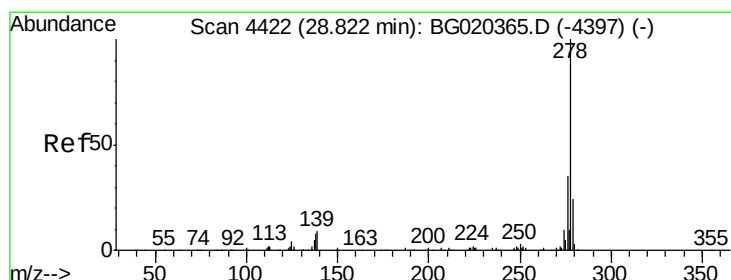
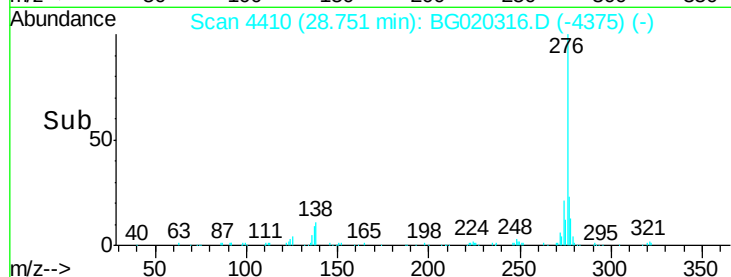
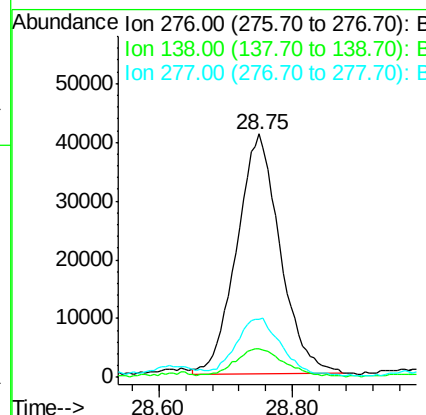
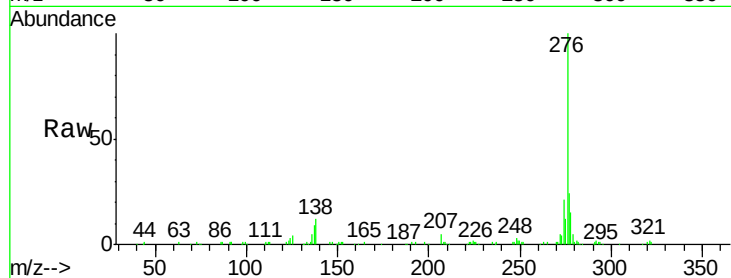
#92
Indeno(1,2,3-cd)pyrene
Concen: 14.89 ng/ul
RT: 28.75 min Scan# 4410
Delta R.T. 0.01 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tot Ion	Ratio	Resp	Lower	Upper
276	100	183527		
138	11.8		11.4	17.0
277	24.0		17.4	26.0

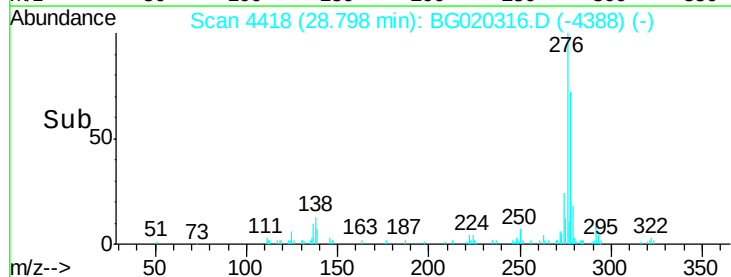
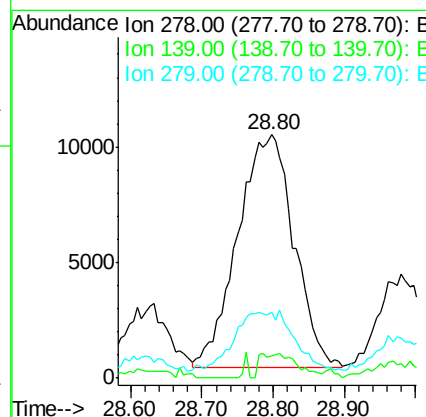
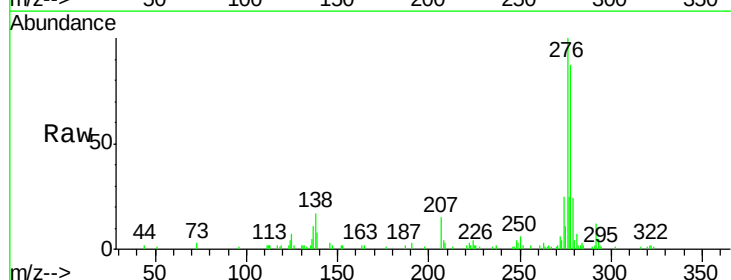
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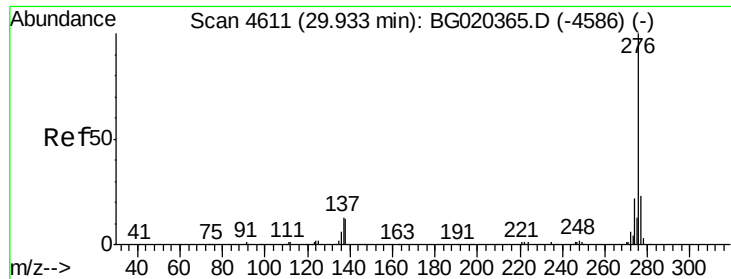
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#93
Dibenzo(a,h)anthracene
Concen: 5.38 ng/ul m
RT: 28.80 min Scan# 4418
Delta R.T. -0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	55052		
139	9.2		9.4	14.2#
279	27.0		19.4	29.0





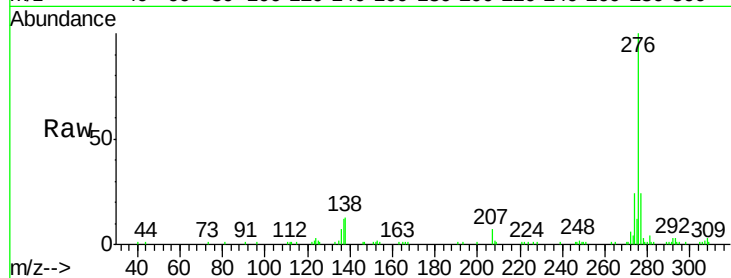
#94
 Benzo(a,h,i)perylene
 Concen: 12.57 ng/ul
 RT: 29.92 min Scan# 4609
 Delta R.T. -0.00 min
 Lab File: BG020316.D
 Acq: 19 Dec 2015 17:50

Instrument :
 BNA_G
 ClientSampleId :
 D9N73

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.8	10.8	16.2
277	23.9	19.9	29.9

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

