

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020235.D
 Acq On : 17 Dec 2015 00:10
 Operator : UM/SJ
 Sample : G4787-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9BN9

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:31 PM

Quant Time: Dec 17 06:30:38 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 03:53:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	26926	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	111104m	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.74	164	90188	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.49	188	147683	20.00	ng/ul	0.01
78) Chrysene-d12	21.77	240	192124	20.00	ng/ul	0.02
86) Perylene-d12	25.05	264	184616	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	1422	2.92	ng/uL	0.01
5) Phenol-d5	7.24	99	38601	16.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	28314	19.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	32520	18.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	33167	16.33	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	27717	32.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	19595	20.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	36587	18.74	ng/ul	0.01
29) 4-Chloroaniline-d4	11.06	131	68475	31.23	ng/ul	0.02
44) Dimethylphthalate-d6	14.14	166	120159	16.47	ng/ul	0.01
47) Acenaphthylene-d8	14.44	160	142785	16.82	ng/ul	0.02
52) 4-Nitrophenol-d4	14.93	143	25281	19.32	ng/ul	0.01
58) Fluorene-d10	15.73	176	104149	15.74	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.83	200	3143	3.59	ng/ul	0.00
71) Anthracene-d10	17.60	188	151195	22.22	ng/ul	0.03
79) Pyrene-d10	19.87	212	184027	20.55	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.82	264	199871	21.71	ng/ul	0.04

Target Compounds

						Qvalue
6) Phenol	7.27	94	3289	1.29	ng/ul#	87
28) Naphthalene	11.06	128	10051587	1732.42	ng/ul#	34
34) 2-Methylnaphthalene	12.64	142	6469509	1459.78	ng/ul	94
35) 1-Methylnaphthalene	12.85	142	4247919	997.00	ng/ul#	93
41) 1,1'-Biphenyl	13.58	154	898419	132.04	ng/ul	99
45) Dimethylphthalate	14.19	163	76807	10.31	ng/ul#	89
48) Acenaphthylene	14.47	152	297119	32.95	ng/ul#	70
50) Acenaphthene	14.84	153	2744688	452.40	ng/ul#	87
54) Dibenzofuran	15.14	168	437480	48.47	ng/ul	89
59) Fluorene	15.81	166	1739554	240.02	ng/ul#	98
70) Phenanthrene	17.57	178	5069109	627.52	ng/ul#	49
72) Anthracene	17.64	178	1929120	235.45	ng/ul#	81
75) Carbazole	17.89	167	85955	12.49	ng/ul#	73
77) Fluoranthene	19.55	202	2533074m	268.31	ng/ul	
80) Pyrene	19.92	202	3348262	287.95	ng/ul#	74
83) Benzo(a)anthracene	21.75	228	1718942	153.34	ng/ul#	74
85) Chrysene	21.82	228	1564828	148.21	ng/ul#	86
88) Benzo(b)fluoranthene	24.01	252	1029844m	92.68	ng/ul	
89) Benzo(k)fluoranthene	24.07	252	367747m	34.49	ng/ul	
91) Benzo(a)pyrene	24.91	252	1110678	105.45	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.80	276	432266	34.46	ng/ul	94
93) Dibenz(a,h)anthracene	28.83	278	159598	15.33	ng/ul	94
94) Benzo(g,h,i)perylene	29.97	276	418048m	40.65	ng/ul	

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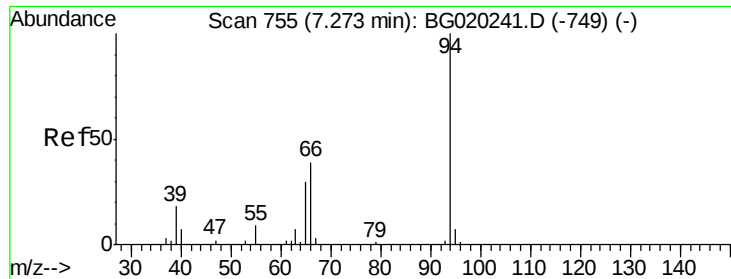
Manual Integrations
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12/17/2015 12:00:31 PM

Quant Time: Dec 17 06:30:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
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: 1.29 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. 0.00 min

Lab File: BG020235.D

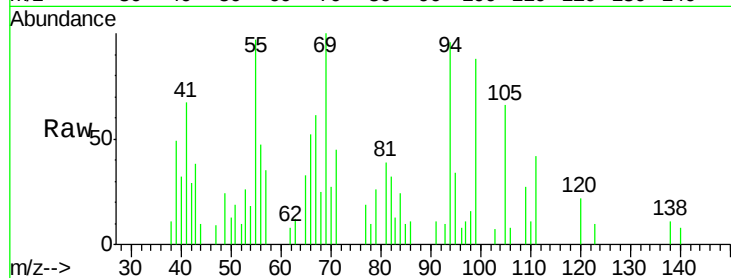
Acq: 17 Dec 2015 00:10

Instrument :

BNA_G

ClientSampleId :

G9BN9



Tgt Ion: 94 Resp: 3289

Ion Ratio Lower Upper

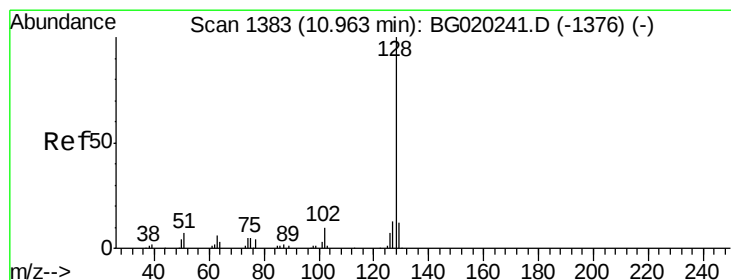
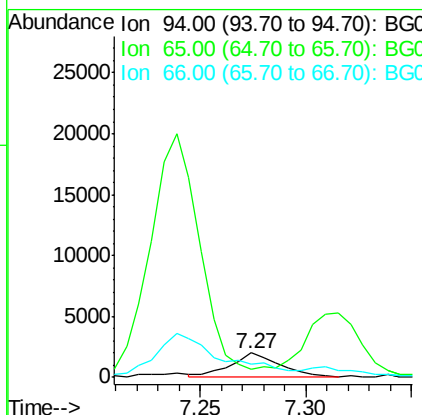
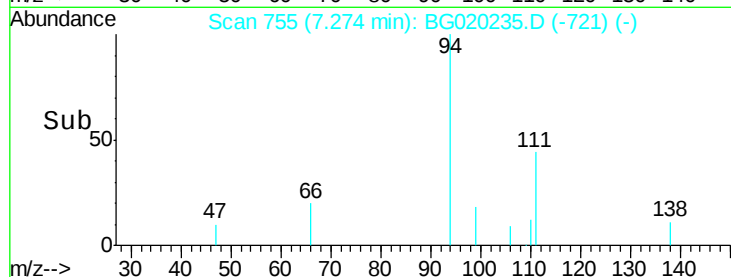
94 100

65 35.0 26.3 39.5

66 54.6 33.3 49.9#

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#28

Naphthalene

Concen: 1732.42 ng/ul

RT: 11.06 min Scan# 1400

Delta R.T. 0.09 min

Lab File: BG020235.D

Acq: 17 Dec 2015 00:10

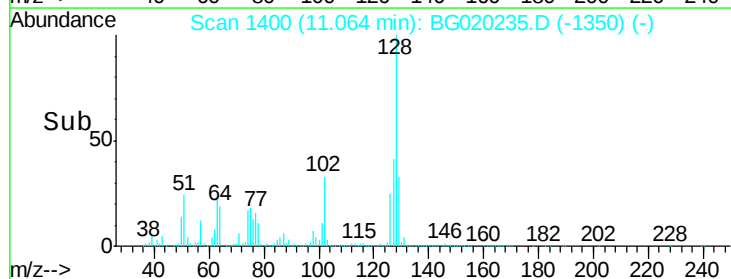
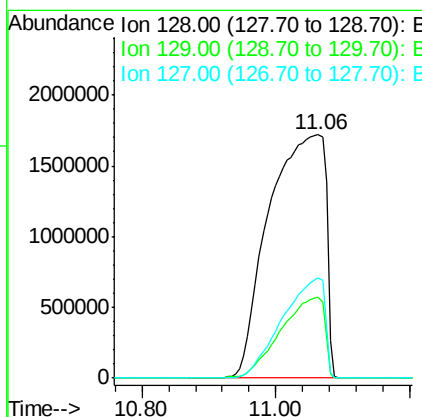
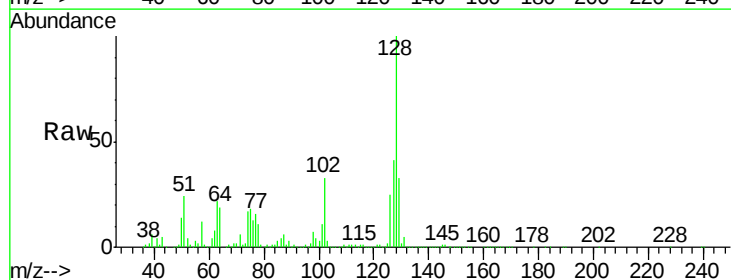
Tgt Ion:128 Resp:10051587

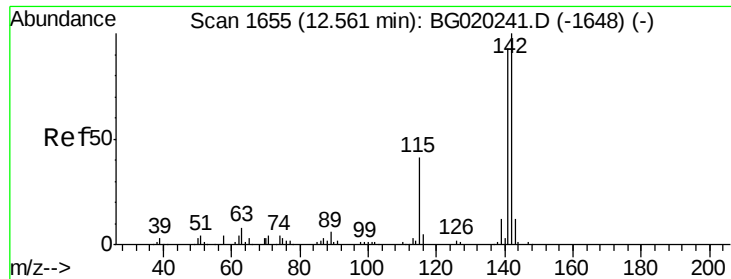
Ion Ratio Lower Upper

128 100

129 33.1 8.6 12.8#

127 41.0 10.1 15.1#





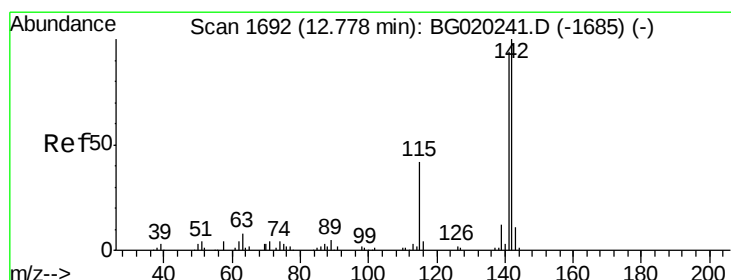
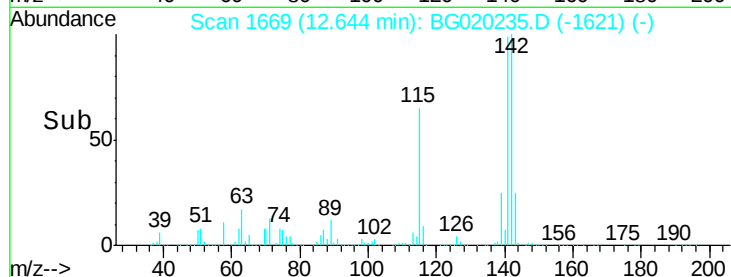
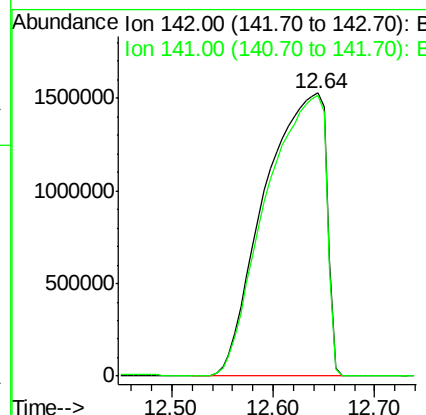
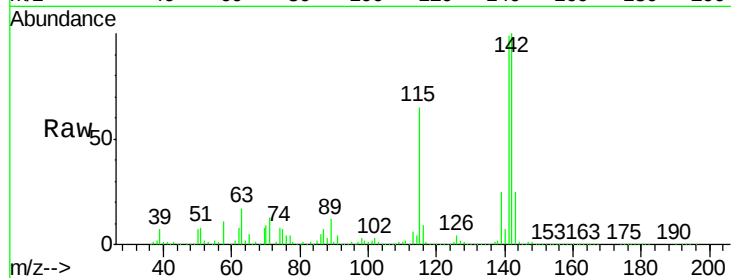
#34
2-Methylnaphthalene
Concen: 1459.78 ng/ul
RT: 12.64 min Scan# 1669
Delta R.T. 0.08 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Instrument :
BNA_G
ClientSampleId :
G9BN9

Tgt Ion:142 Resp: 6469509
Ion Ratio Lower Upper
142 100
141 99.0 74.9 112.3

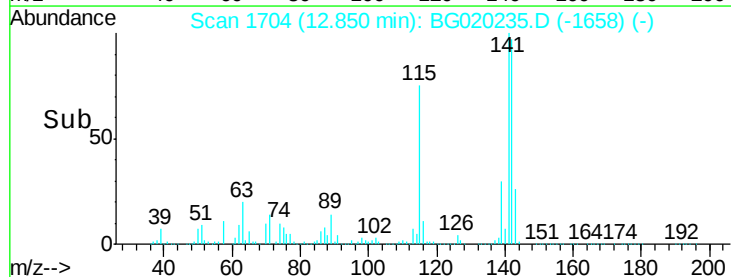
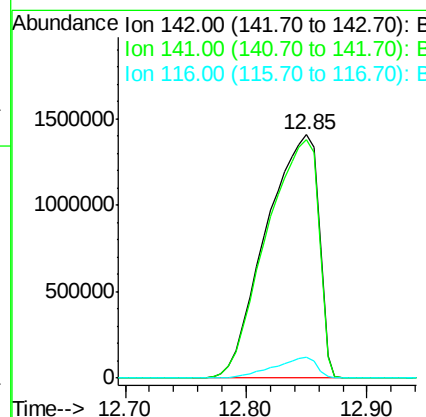
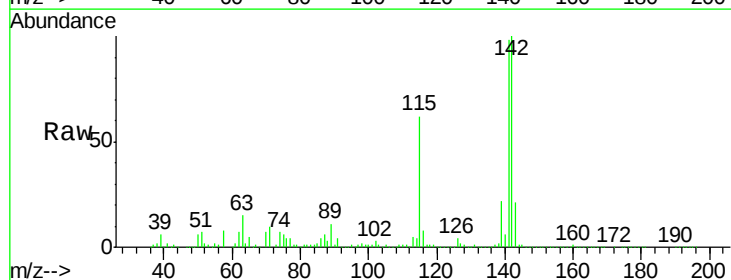
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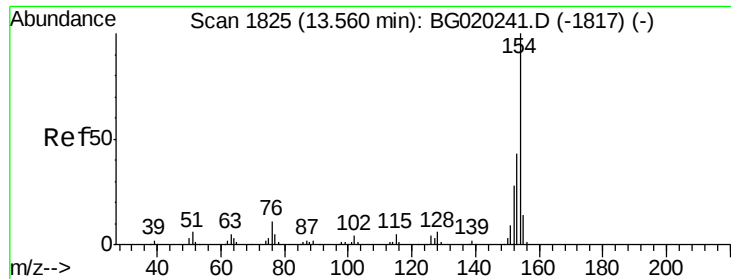
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#35
1-Methylnaphthalene
Concen: 997.00 ng/ul
RT: 12.85 min Scan# 1704
Delta R.T. 0.07 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Tgt Ion:142 Resp: 4247919
Ion Ratio Lower Upper
142 100
141 97.8 73.0 109.6
116 8.4 3.0 4.6#





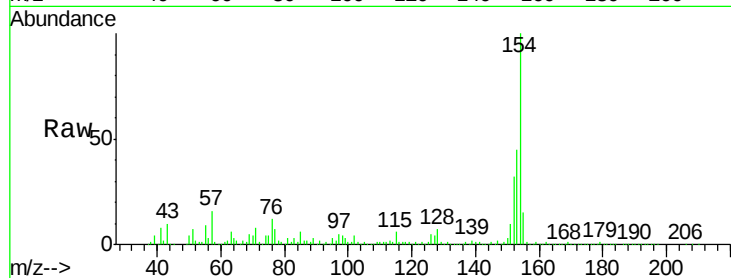
#41
1,1'-Biphenyl
Concen: 132.04 ng/ul
RT: 13.58 min Scan# 1828
Delta R.T. 0.02 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Instrument :
BNA_G
ClientSampleId :
G9BN9

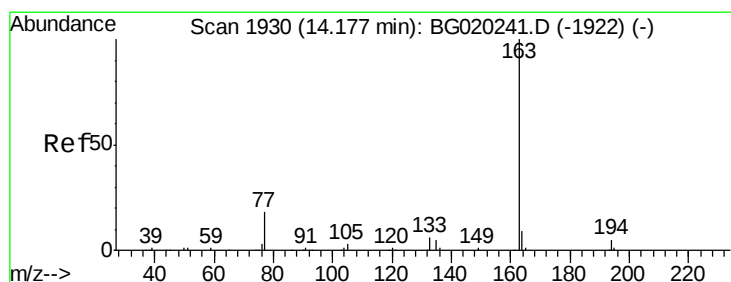
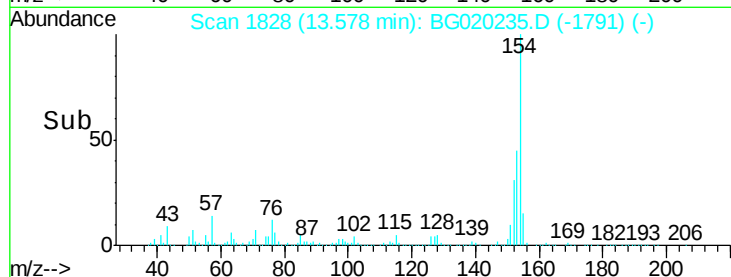
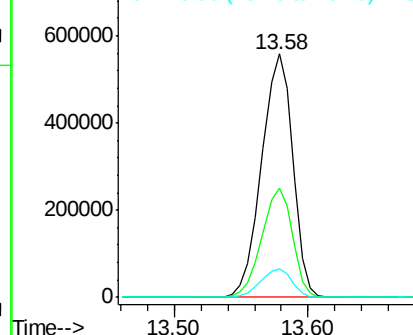
Tgt Ion	Ratio	Lower	Upper
154	100		
153	45.1	35.5	53.3
76	11.9	10.4	15.6

Manual Integrations
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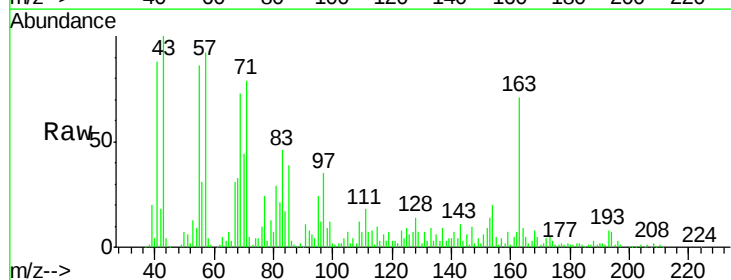


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

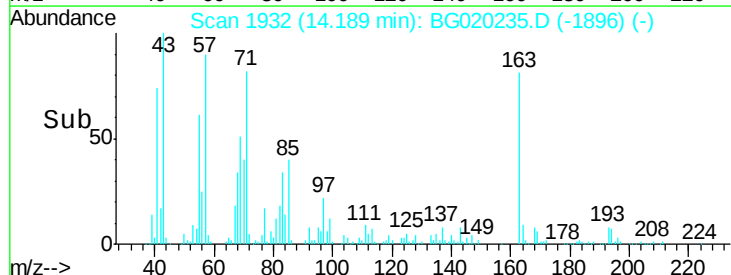
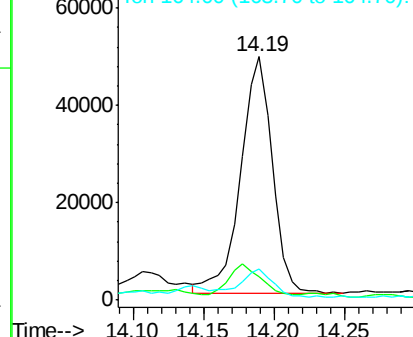


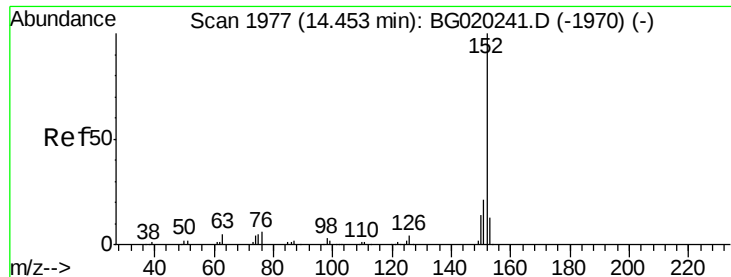
#45
Dimethylphthalate
Concen: 10.31 ng/ul
RT: 14.19 min Scan# 1932
Delta R.T. 0.01 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	9.4	3.5	5.3#
164	12.8	7.7	11.5#



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





#48

Acenaphthylene

Concen: 32.95 ng/ul

RT: 14.47 min Scan# 1980

Delta R.T. 0.02 min

Lab File: BG020235.D

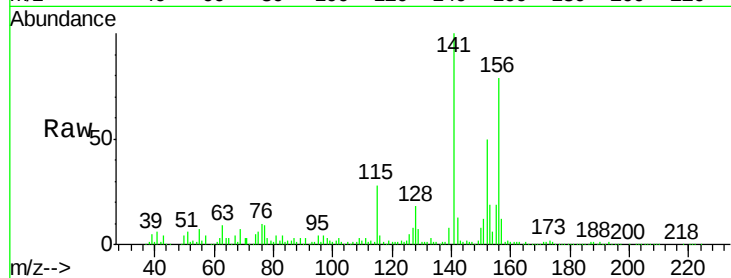
Acq: 17 Dec 2015 00:10

Instrument :

BNA_G

ClientSampleId :

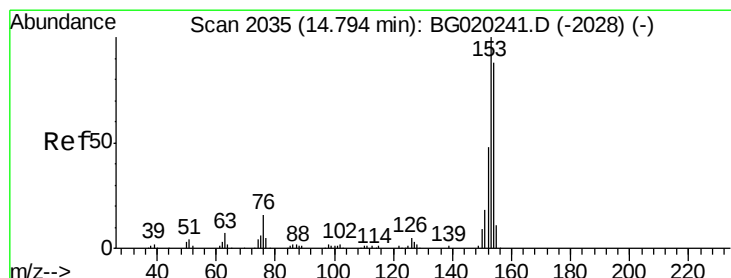
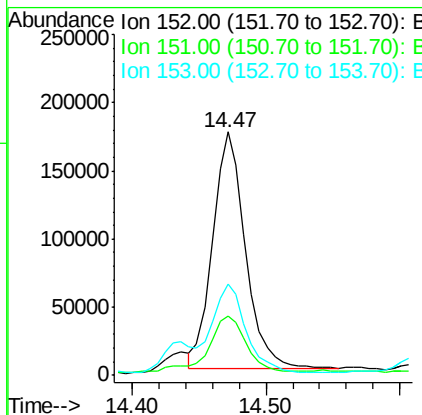
G9BN9



Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.6	16.4	24.6#
153	37.8	10.4	15.6#

Manual Integrations
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#50

Acenaphthene

Concen: 452.40 ng/ul

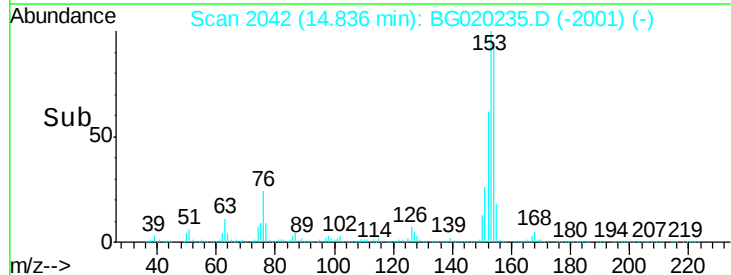
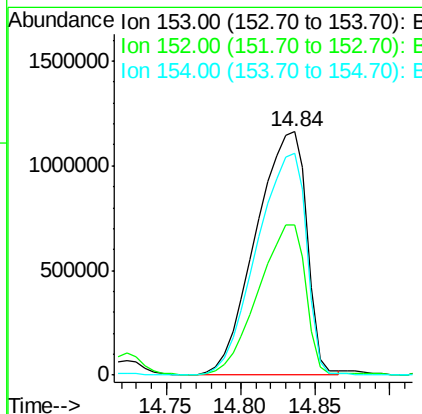
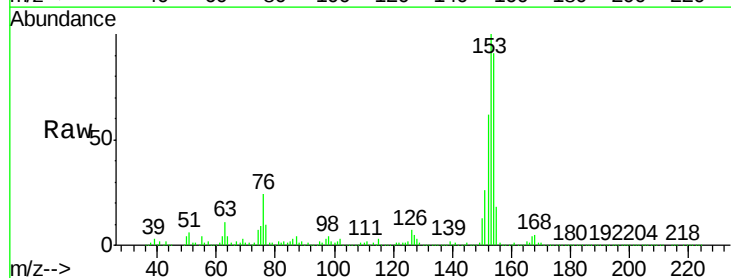
RT: 14.84 min Scan# 2042

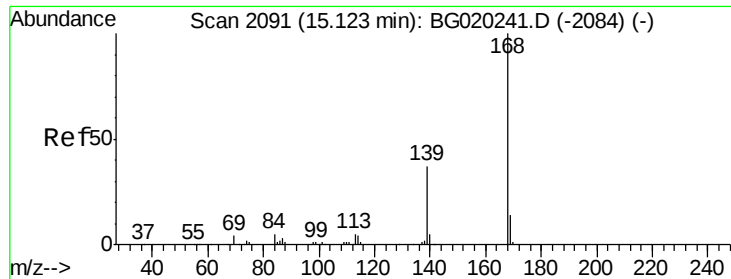
Delta R.T. 0.04 min

Lab File: BG020235.D

Acq: 17 Dec 2015 00:10

Tgt Ion	Ratio	Lower	Upper
153	100		
152	61.9	37.6	56.4#
154	91.4	67.9	101.9





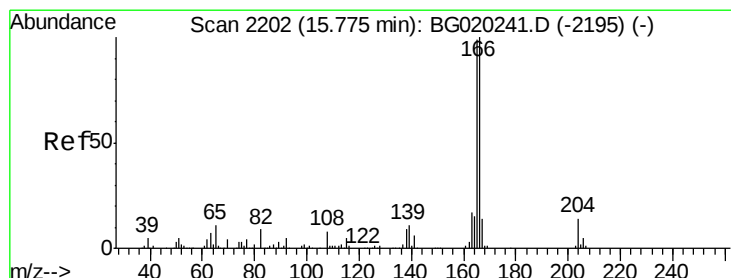
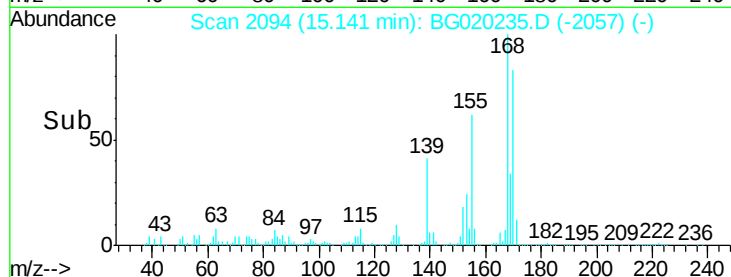
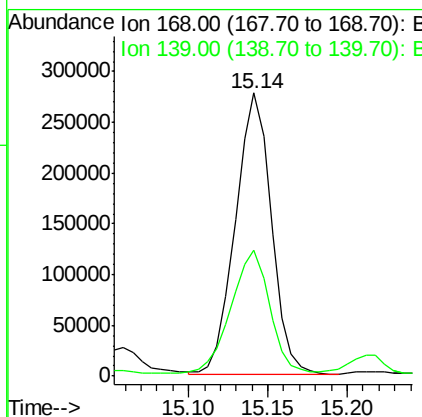
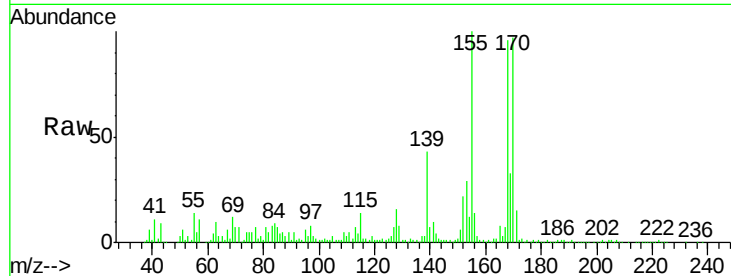
#54
Diben-zofuran
Concen: 48.47 ng/ul
RT: 15.14 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Instrument :
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.6	30.5	45.7

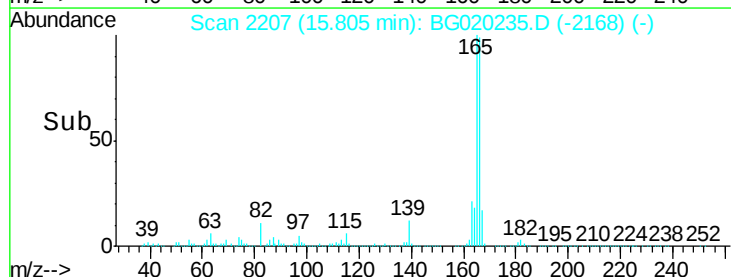
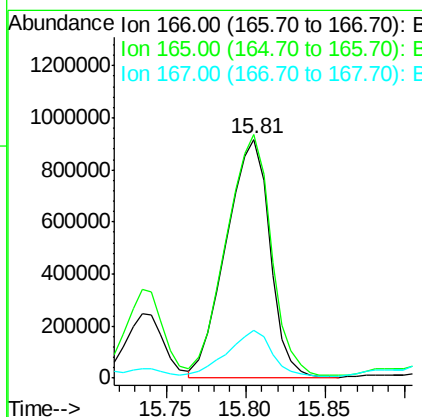
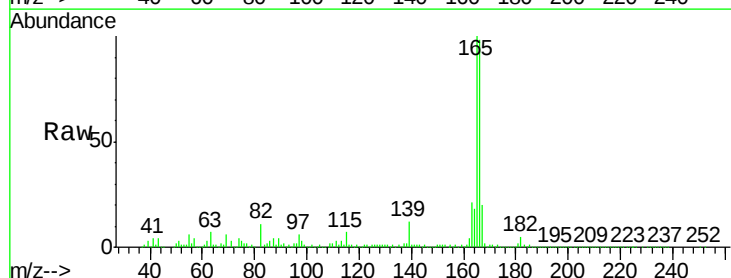
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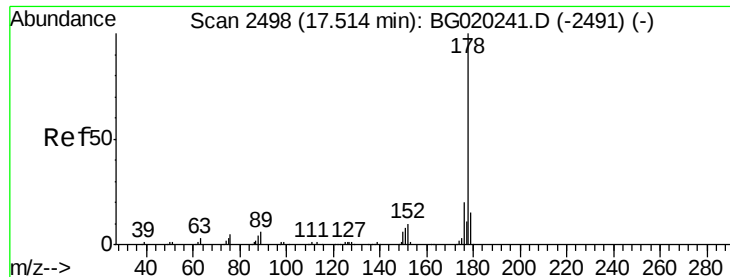
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#59
Fluorene
Concen: 240.02 ng/ul
RT: 15.81 min Scan# 2207
Delta R.T. 0.03 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.4	122.0
167	20.2	11.2	16.8#





#70

Phenanthrene

Concen: 627.52 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.05 min

Lab File: BG020235.D

Acq: 17 Dec 2015 00:10

Instrument :

BNA_G

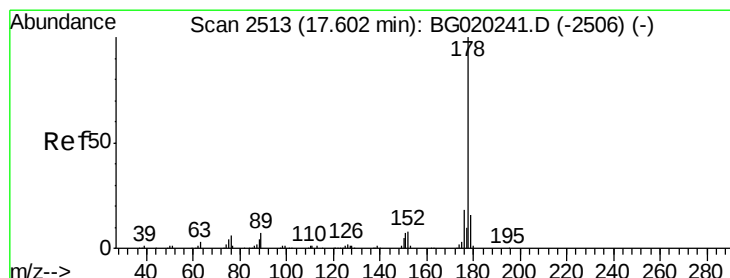
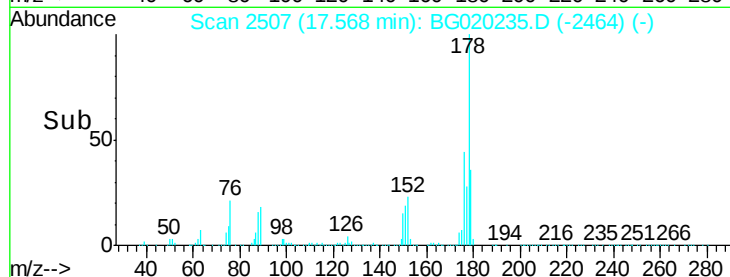
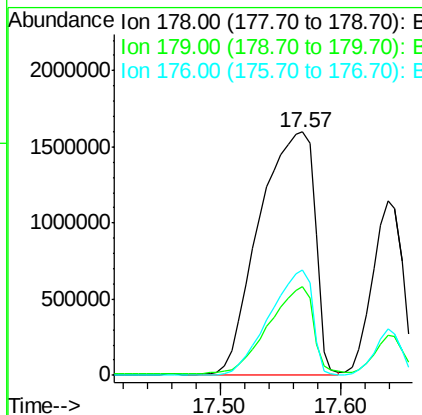
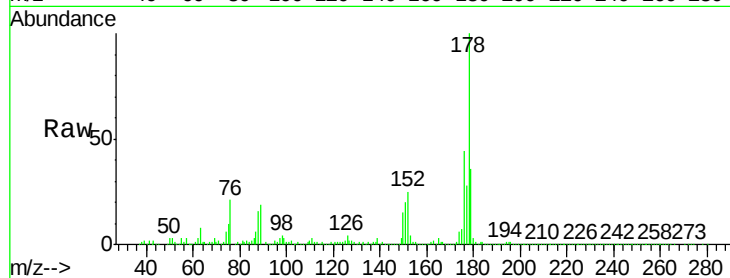
ClientSampleId :

G9BN9

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12/17/2015 12:00:31 PM

Tgt Ion:	178	Resp:	5069109
Ion	Ratio	Lower	Upper
178	100		
179	36.2	12.9	19.3#
176	43.5	15.3	22.9#



#72

Anthracene

Concen: 235.45 ng/ul

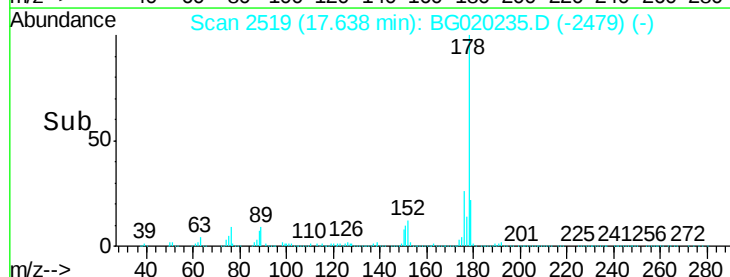
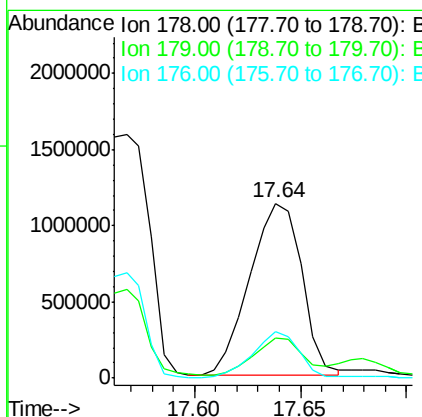
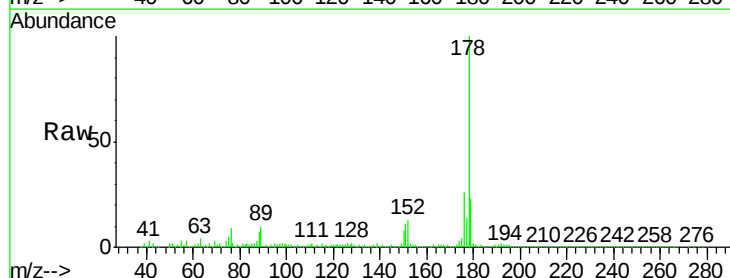
RT: 17.64 min Scan# 2519

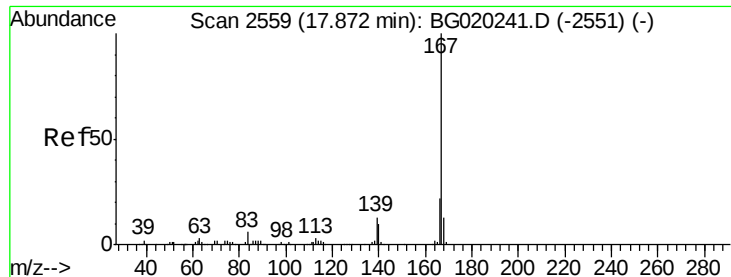
Delta R.T. 0.04 min

Lab File: BG020235.D

Acq: 17 Dec 2015 00:10

Tgt Ion:	178	Resp:	1929120
Ion	Ratio	Lower	Upper
178	100		
179	23.0	12.3	18.5#
176	26.2	14.3	21.5#





#75

Carbazole

Concen: 12.49 ng/ul

RT: 17.89 min Scan# 2561

Delta R.T. 0.01 min

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Acq: 17 Dec 2015 00:10

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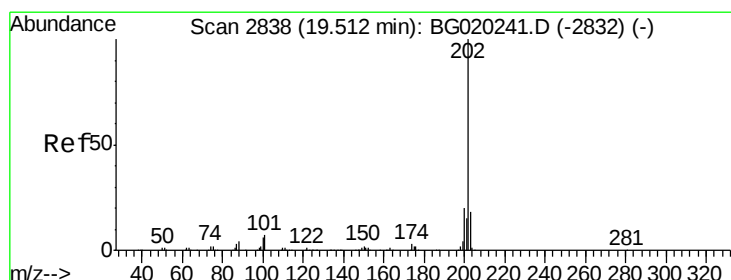
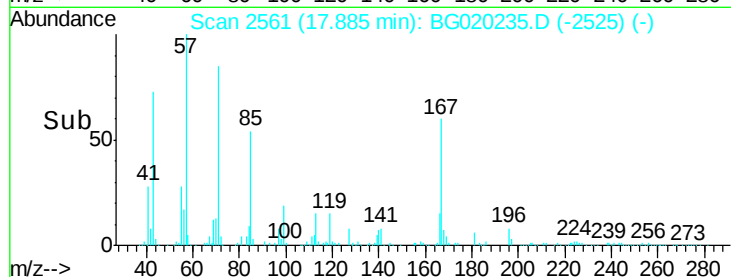
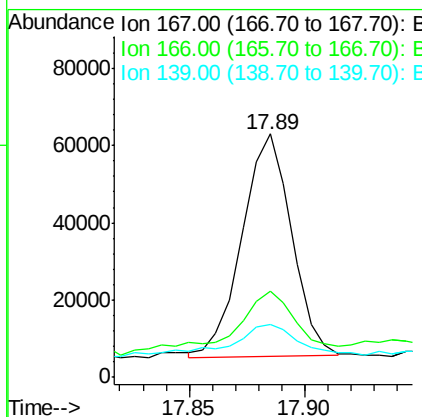
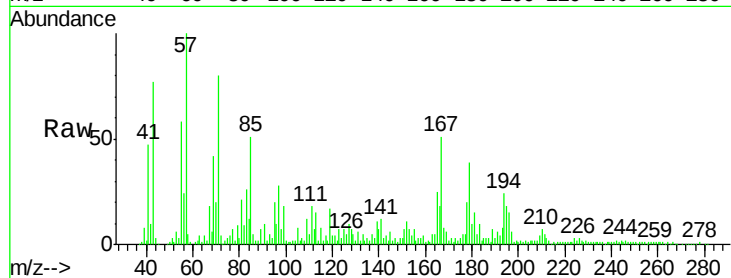
ClientSampleId :

G9BN9

Tgt Ion:	167	Resp:	85955
Ion Ratio	Lower	Upper	
167	100		
166	35.3	17.0	25.6#
139	21.5	10.1	15.1#

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#77

Fluoranthene

Concen: 268.31 ng/ul m

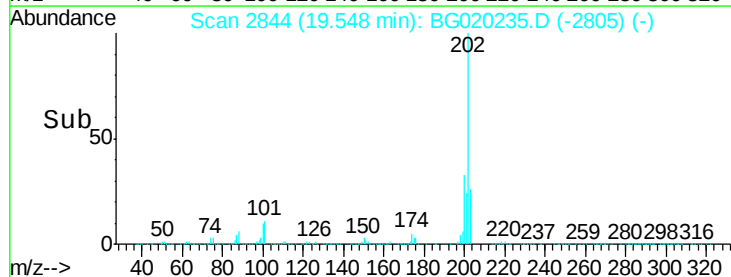
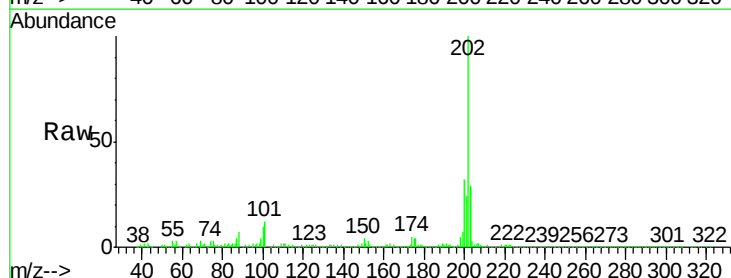
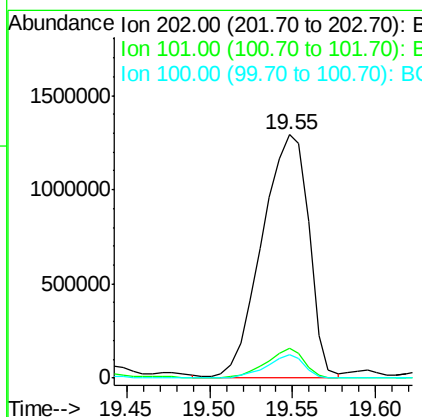
RT: 19.55 min Scan# 2844

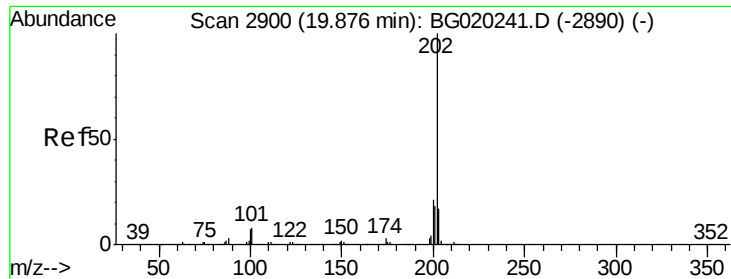
Delta R.T. 0.03 min

Lab File: BG020235.D

Acq: 17 Dec 2015 00:10

Tgt Ion:	202	Resp:	2533074
Ion Ratio	Lower	Upper	
202	100		
101	12.2	6.2	9.4#
100	9.9	5.1	7.7#





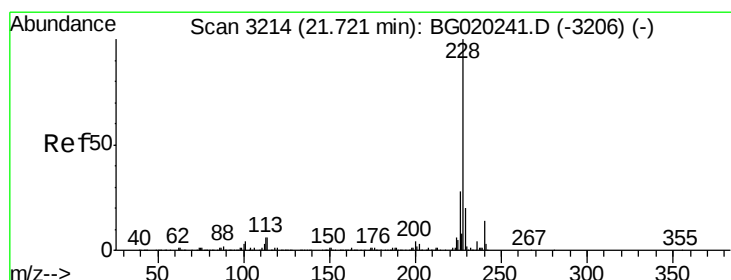
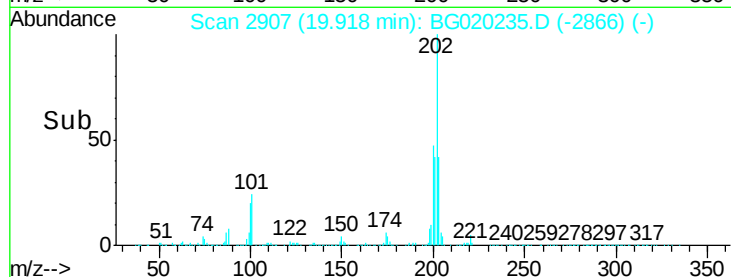
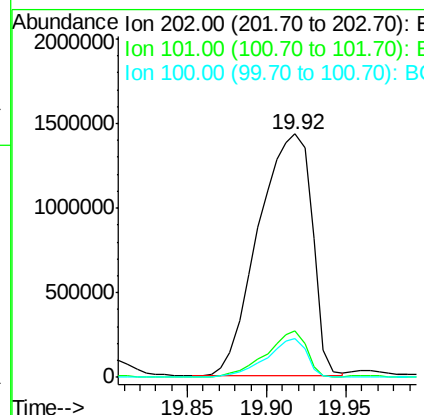
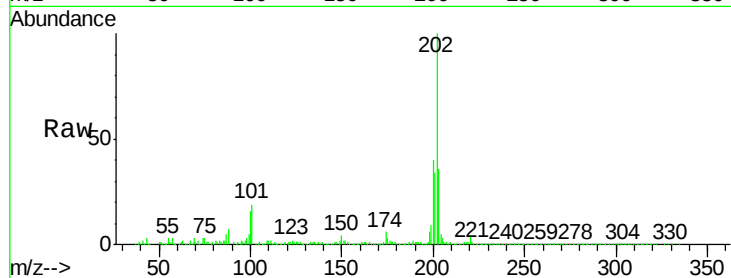
#80
 Pyrene
 Concen: 287.95 ng/ul
 RT: 19.92 min Scan# 2907
 Delta R.T. 0.04 min
 Lab File: BG020235.D
 Acq: 17 Dec 2015 00:10

Instrument :
 BNA_G
 ClientSampleId :
 G9BN9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.9	7.0	10.4#
100	16.2	6.4	9.6#

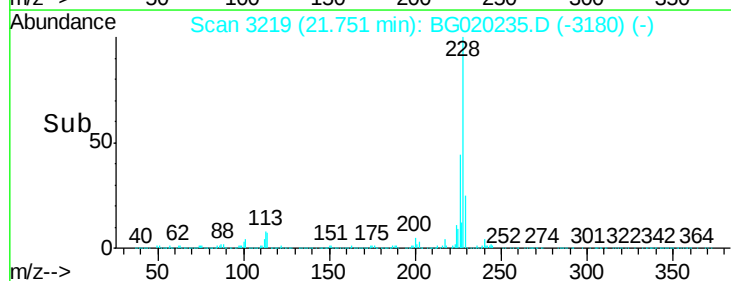
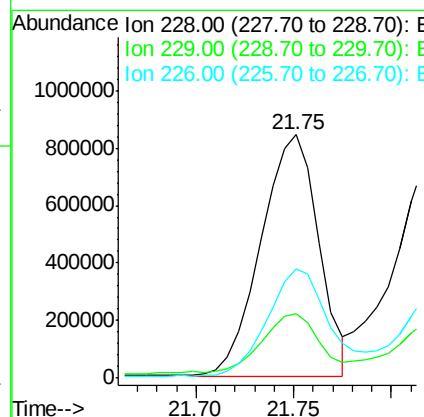
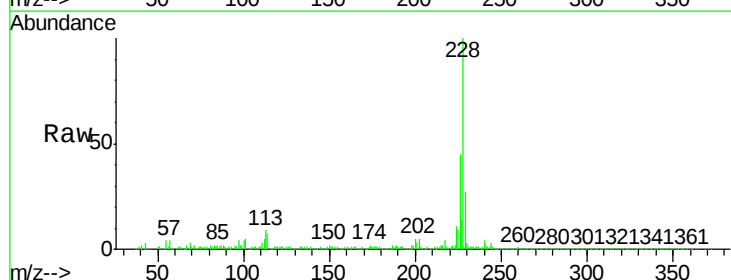
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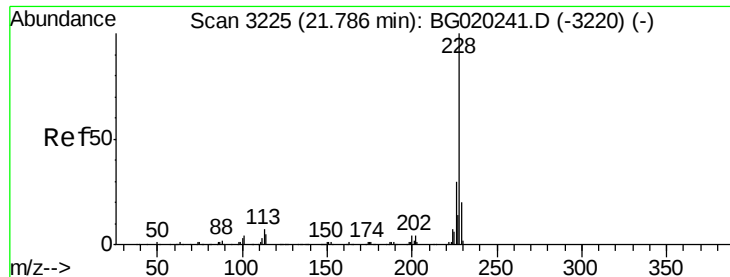
MMdadoda
 12/17/2015 12:00:31 PM



#83
 Benzo(a)anthracene
 Concen: 153.34 ng/ul
 RT: 21.75 min Scan# 3219
 Delta R.T. 0.03 min
 Lab File: BG020235.D
 Acq: 17 Dec 2015 00:10

Tgt Ion	Ratio	Lower	Upper
228	100		
229	26.7	15.8	23.8#
226	45.1	21.8	32.6#





#85

Chrysene

Concen: 148.21 ng/ul

RT: 21.82 min Scan# 3231

Delta R.T. 0.03 min

Lab File: BG020235.D

Acq: 17 Dec 2015 00:10

Instrument :

BNA_G

ClientSampleId :

G9BN9

Tgt Ion:228 Resp: 1564828

Ion Ratio Lower Upper

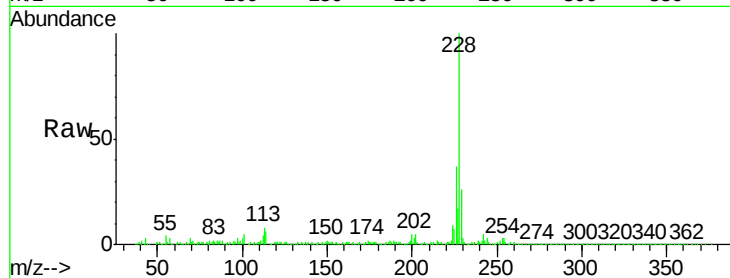
228 100

226 37.1 23.9 35.9#

229 26.0 15.6 23.4#

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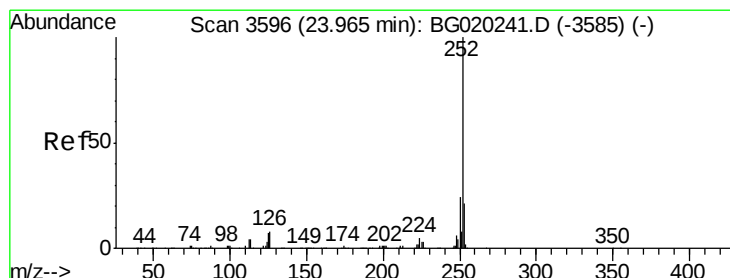
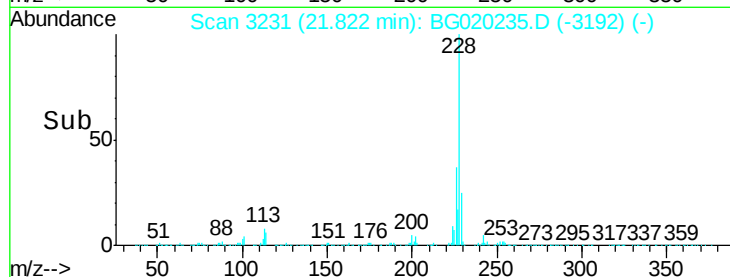
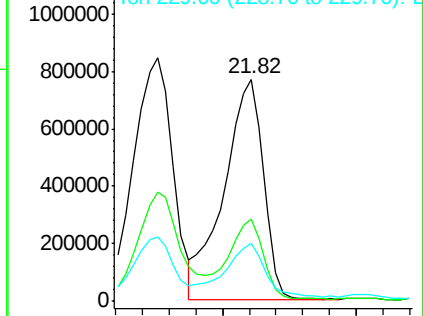
MMdadoda
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 92.68 ng/ul m

RT: 24.01 min Scan# 3604

Delta R.T. 0.05 min

Lab File: BG020235.D

Acq: 17 Dec 2015 00:10

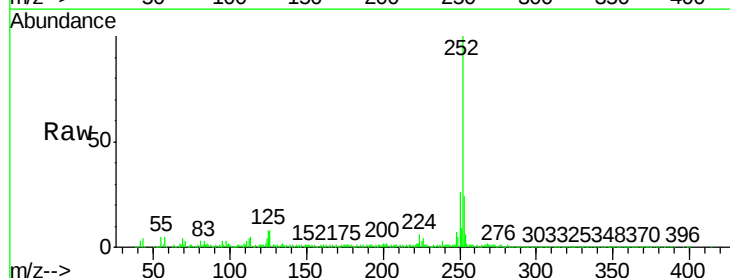
Tgt Ion:252 Resp: 1029844

Ion Ratio Lower Upper

252 100

253 23.9 16.7 25.1

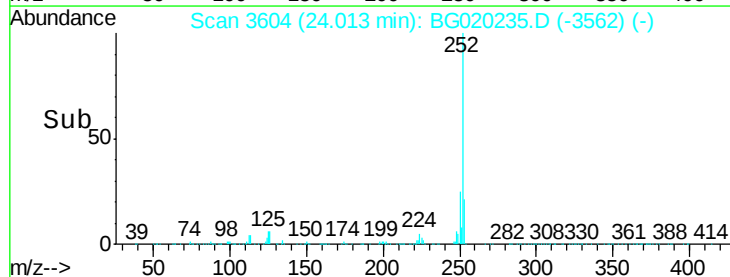
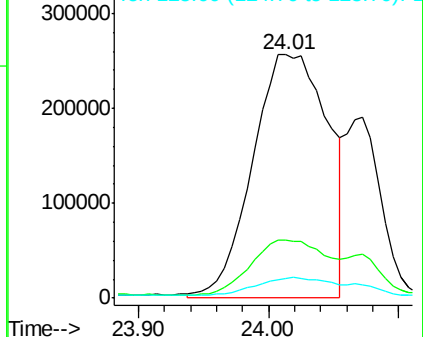
125 7.9 6.2 9.2

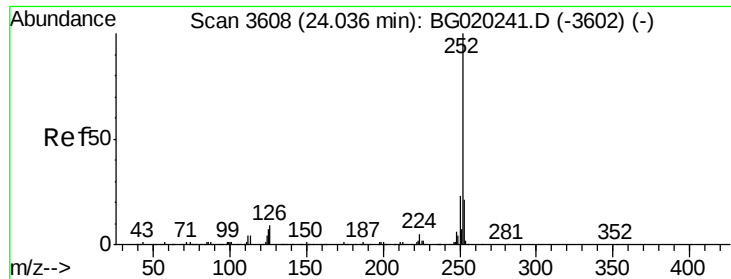


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





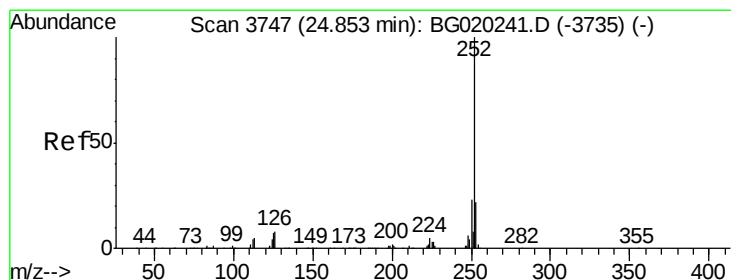
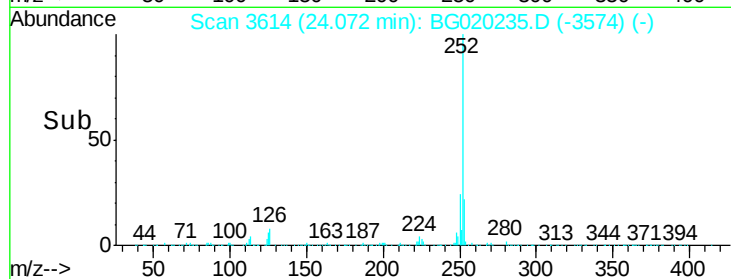
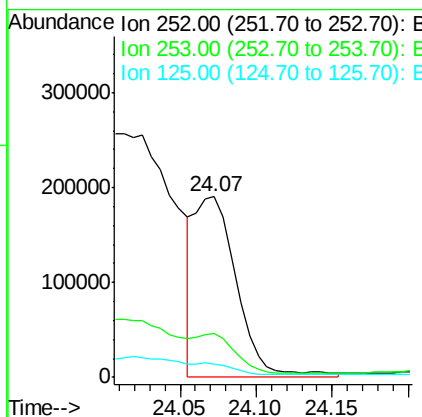
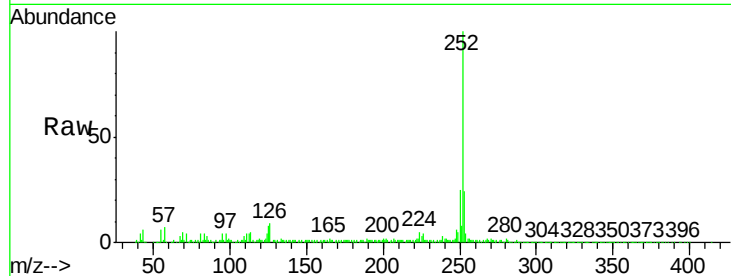
#89
Benzo(k)fluoranthene
Concen: 34.49 ng/ul m
RT: 24.07 min Scan# 3614
Delta R.T. 0.04 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Instrument :
BNA_G
ClientSampleId :
G9BN9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	7.6	5.8	8.6

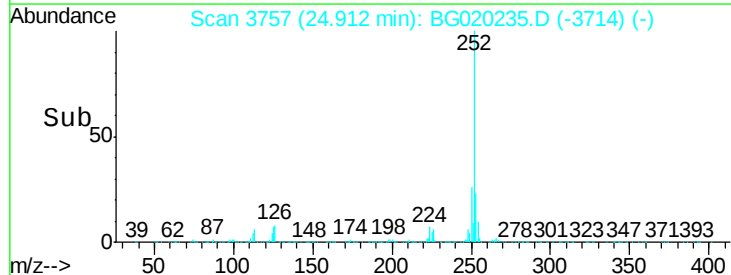
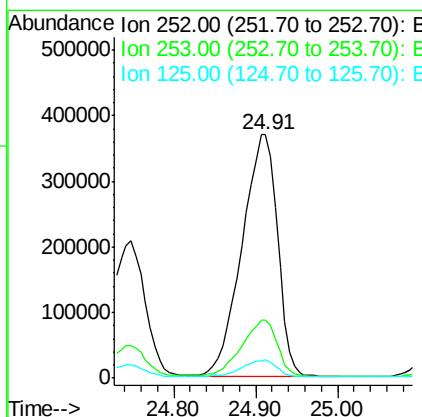
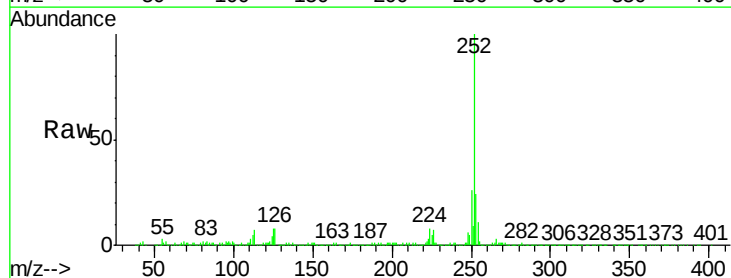
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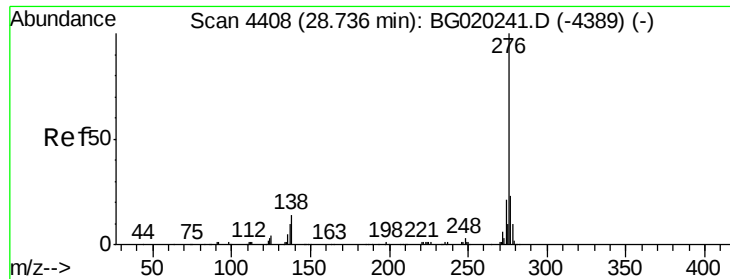
MMdadoda
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#91
Benzo(a)pyrene
Concen: 105.45 ng/ul
RT: 24.91 min Scan# 3757
Delta R.T. 0.05 min
Lab File: BG020235.D
Acq: 17 Dec 2015 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.4
125	7.6	6.2	9.4





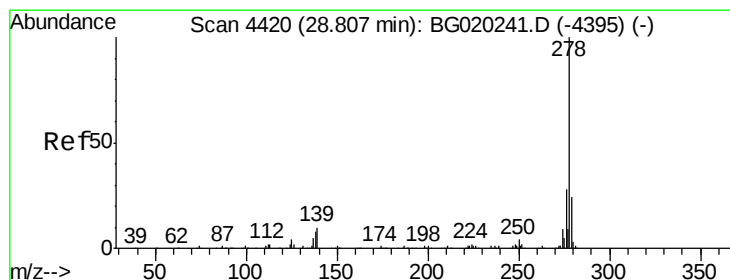
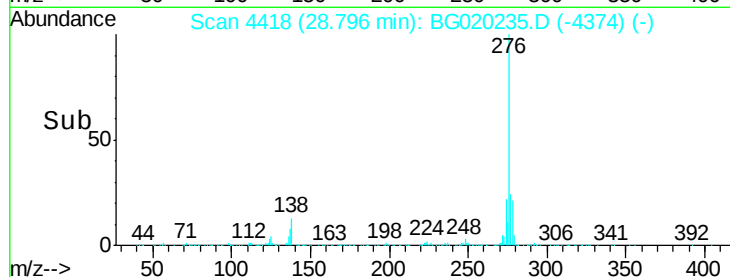
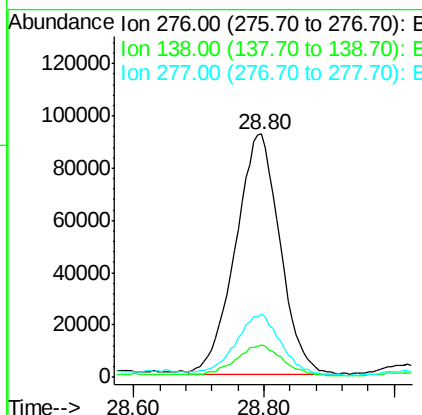
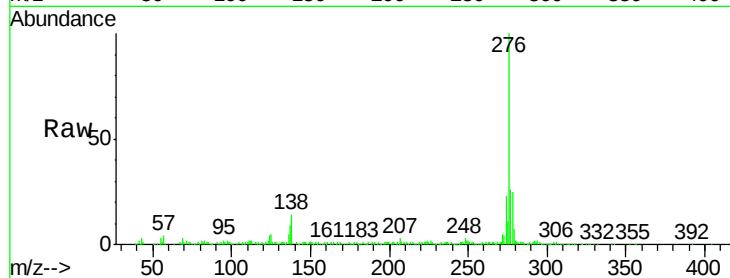
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 34.46 ng/ul
 RT: 28.80 min Scan# 4418
 Delta R.T. 0.06 min
 Lab File: BG020235.D
 Acq: 17 Dec 2015 00:10

Instrument :
 BNA_G
 ClientSampleId :
 G9BN9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.5	11.4	17.0
277	25.9	17.4	26.0

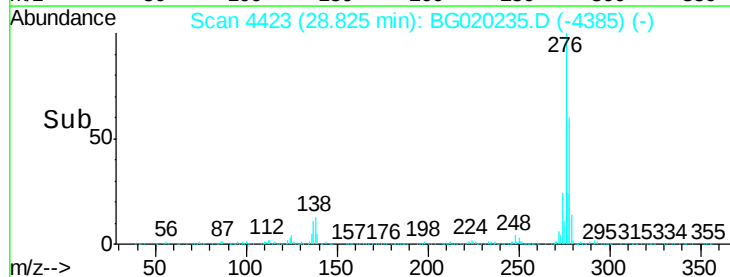
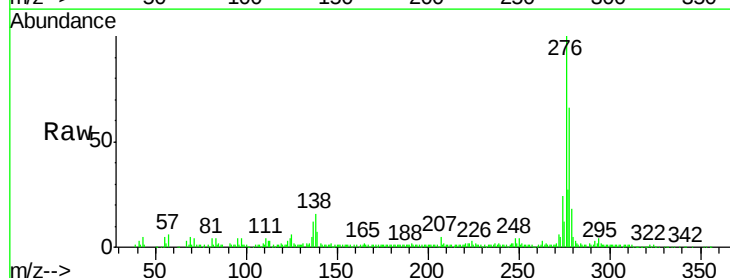
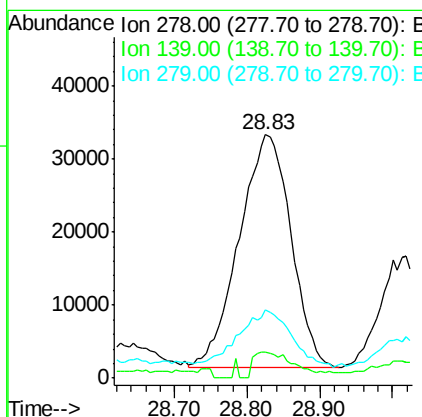
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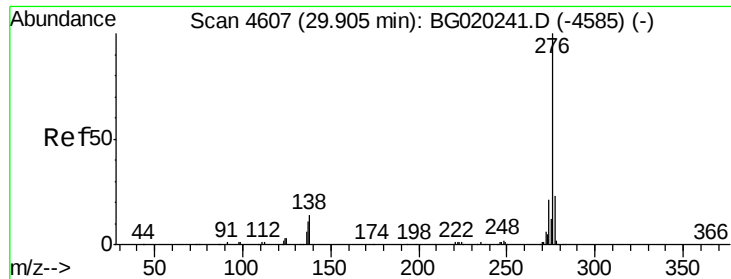
MMdadoda
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#93
 Dibenzo(a,h)anthracene
 Concen: 15.33 ng/ul
 RT: 28.83 min Scan# 4423
 Delta R.T. 0.02 min
 Lab File: BG020235.D
 Acq: 17 Dec 2015 00:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.8	9.4	14.2
279	27.8	19.4	29.0





#94

Benzo(g,h,i)perylene

Concen: 40.65 ng/ul m

RT: 29.97 min Scan# 4618

Delta R.T. 0.06 min

Lab File: BG020235.D

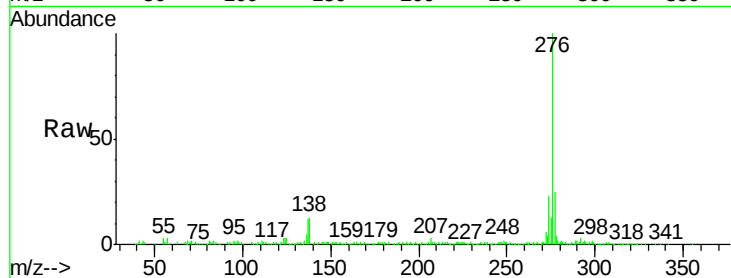
Acq: 17 Dec 2015 00:10

Instrument :

BNA_G

ClientSampleId :

G9BN9



Tgt Ion: 276 Resp: 418048

Ion Ratio Lower Upper

276 100

138 12.9 10.8 16.2

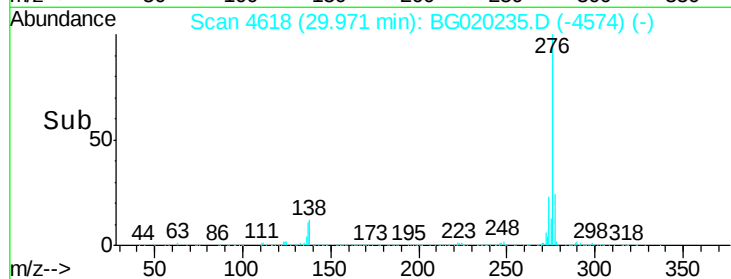
277 24.8 19.9 29.9

Manual Integrations

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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

