

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020551.D
 Acq On : 27 Dec 2015 12:00
 Operator : UM/SJ
 Sample : G4846-15
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Manual Integrations
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 12/28/2015 6:08:41 PM

Quant Time: Dec 28 03:16:45 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 02:38:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	19637	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	83218	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.72	164	58312	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	146156m	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	175548	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	147268	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	511	1.44	ng/uL	0.00
5) Phenol-d5	7.23	99	12748	8.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	31560	33.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	34549	28.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	23996	18.10	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	22710	34.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	25871	34.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	44509	31.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1889	1.15	ng/ul	0.02
44) Dimethylphthalate-d6	14.12	166	170186	35.41	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	199440	35.82	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5873	7.33	ng/ul	0.00
58) Fluorene-d10	15.71	176	161136	37.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	141	0.15	ng/ul	0.06
71) Anthracene-d10	17.57	188	254836	37.23	ng/ul	0.00
79) Pyrene-d10	19.84	212	290898	38.28	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	317793	42.68	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.01	128	6341722	1433.55	ng/ul#	57
34) 2-Methylnaphthalene	12.56	142	1155697	353.08	ng/ul	98
41) 1,1'-Biphenyl	13.55	154	384420	85.42	ng/ul	96
48) Acenaphthylene	14.44	152	158218	27.03	ng/ul	98
50) Acenaphthene	14.80	153	1534611	387.81	ng/ul	94
54) Dibenzofuran	15.12	168	1276365	216.80	ng/ul	94
59) Fluorene	15.77	166	988682	207.23	ng/ul	97
70) Phenanthrene	17.52	178	1895967m	233.14	ng/ul	
72) Anthracene	17.59	178	99928	12.02	ng/ul	99
75) Carbazole	17.88	167	1293328	184.55	ng/ul	94
77) Fluoranthene	19.51	202	405943	39.69	ng/ul	98
80) Pyrene	19.87	202	237618	23.94	ng/ul	98
83) Benzo(a)anthracene	21.71	228	10431	1.01	ng/ul	98

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

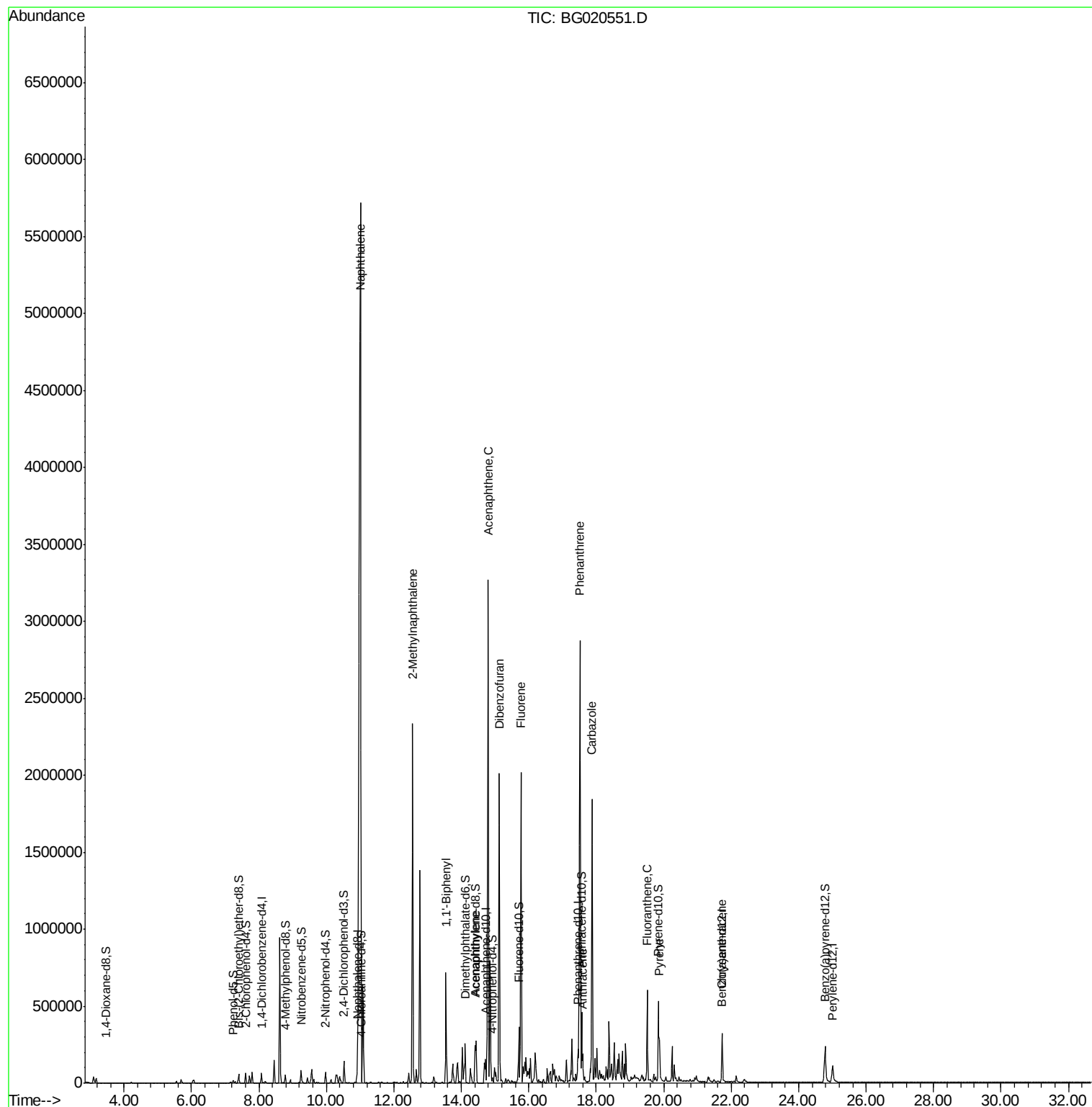
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
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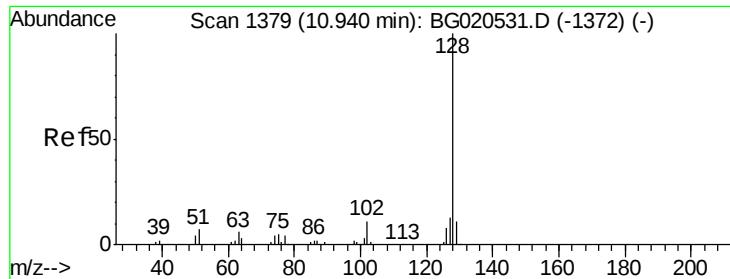
Instrument :
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Quant Title : SVOA CALIBRATION
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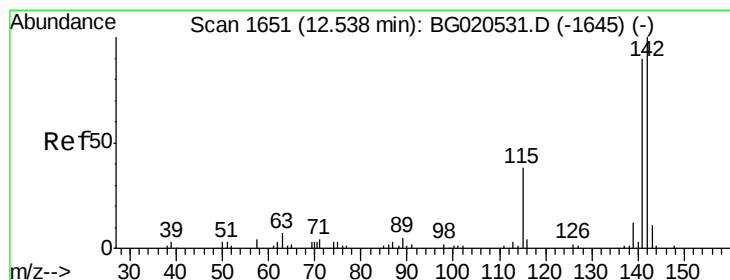
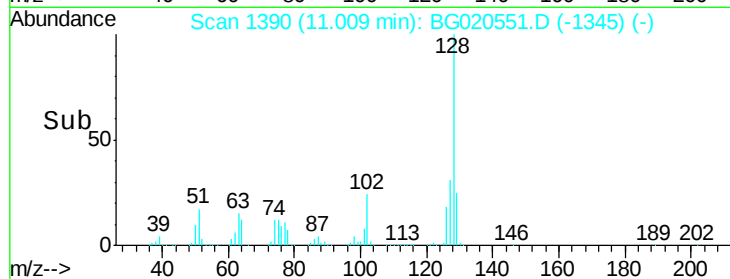
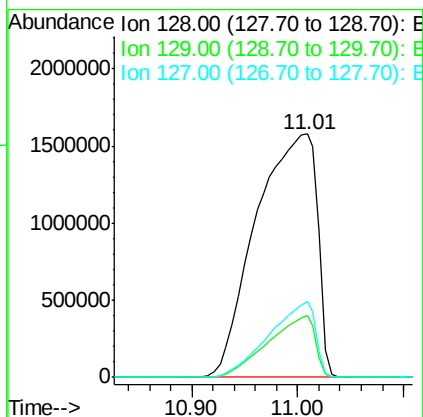
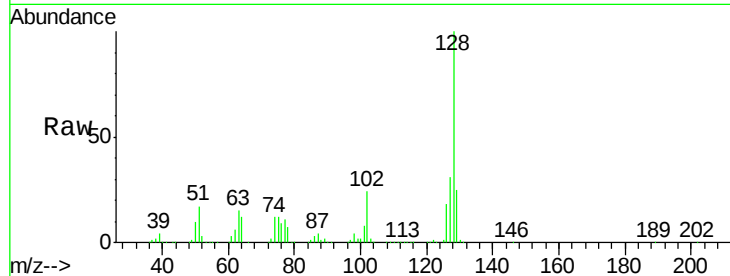
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Naphthalene
Concen: 1433.55 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. 0.06 min
Lab File: BG020551.D
Acq: 27 Dec 2015 12:00

Instrument :
BNA_G
ClientSampleId :
D9N61

Tgt Ion:128 Resp: 6341722
Ion Ratio Lower Upper
128 100
129 25.2 8.6 12.8#
127 31.0 10.1 15.1#

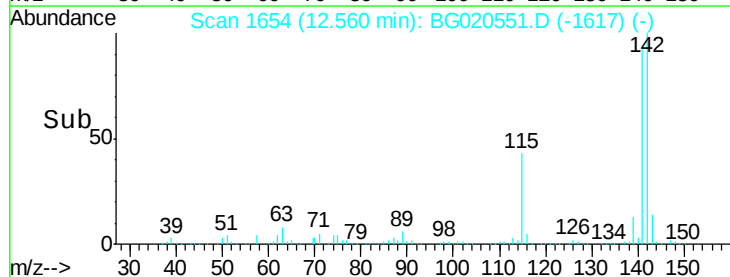
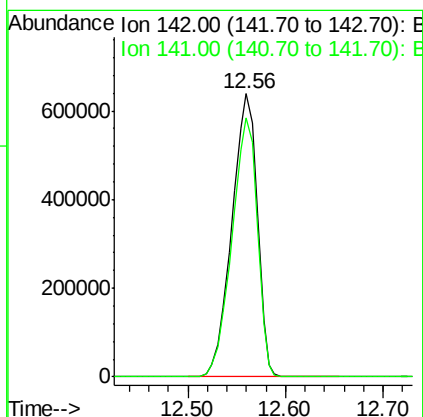
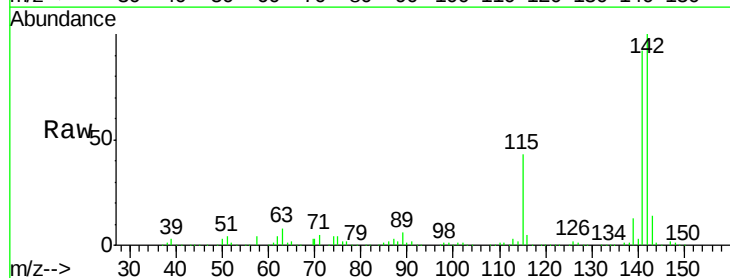
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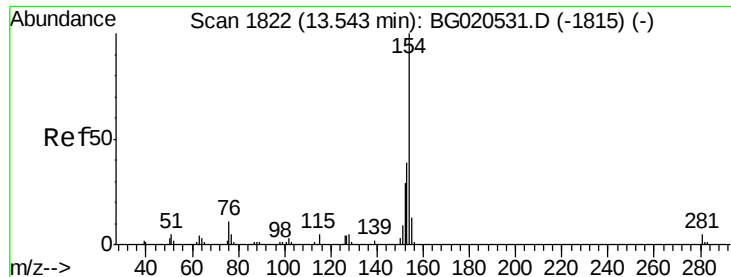
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#34
2-Methylnaphthalene
Concen: 353.08 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.02 min
Lab File: BG020551.D
Acq: 27 Dec 2015 12:00

Tgt Ion:142 Resp: 1155697
Ion Ratio Lower Upper
142 100
141 91.7 74.9 112.3





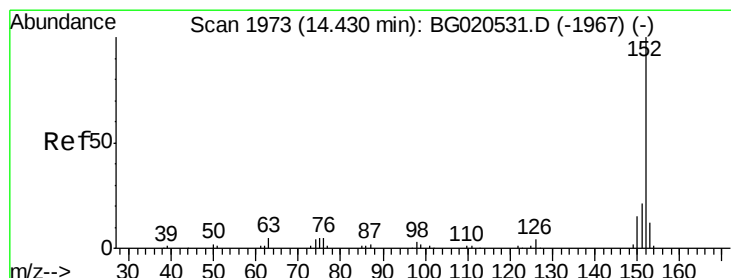
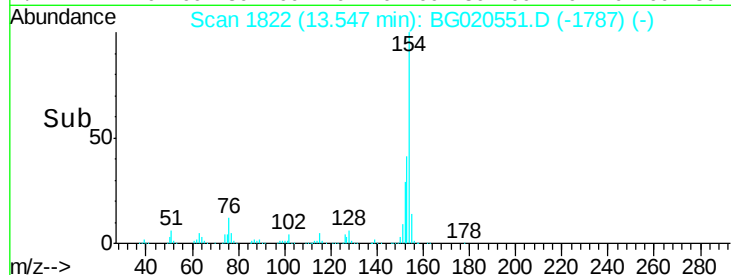
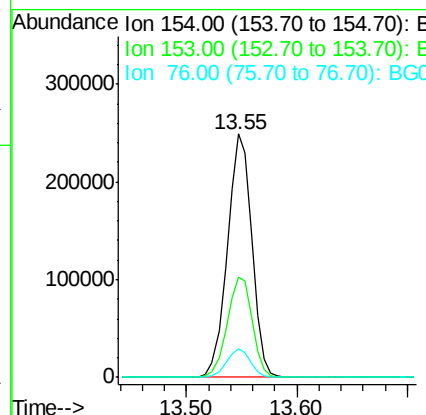
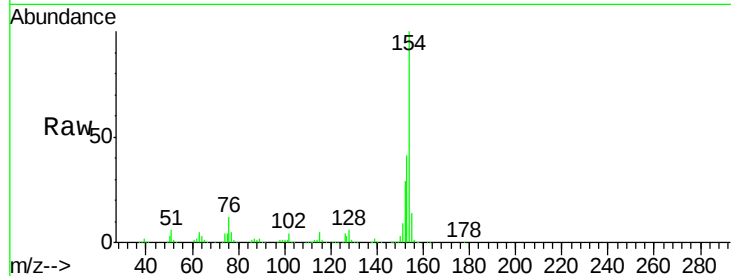
#41
 1,1'-Biphenyl
 Concen: 85.42 ng/ul
 RT: 13.55 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020551.D
 Acq: 27 Dec 2015 12:00

Instrument :
 BNA_G
 ClientSampleId :
 D9N61

Tgt Ion:	154	Resp:	384420
Ion Ratio	Lower	Upper	
154	100		
153	41.4	35.5	53.3
76	11.7	10.4	15.6

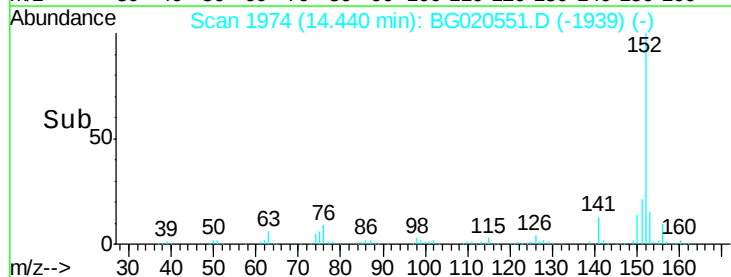
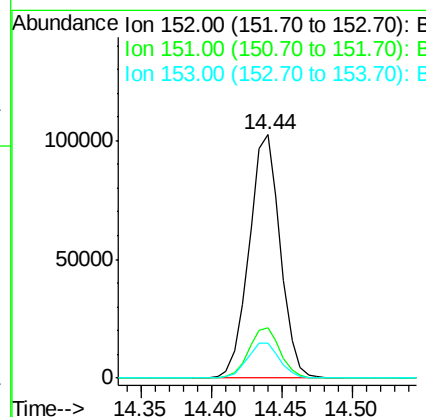
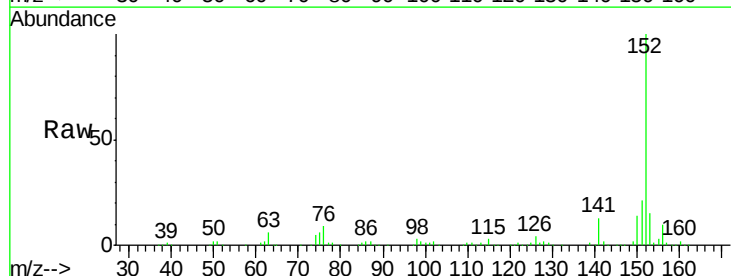
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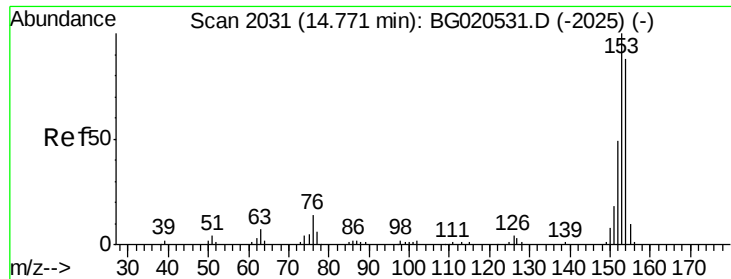
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#48
 Acenaphthylene
 Concen: 27.03 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: BG020551.D
 Acq: 27 Dec 2015 12:00

Tgt Ion:	152	Resp:	158218
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.4	24.6
153	14.6	10.4	15.6





#50

Acenaphthene

Concen: 387.81 ng/ul

RT: 14.80 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BG020551.D

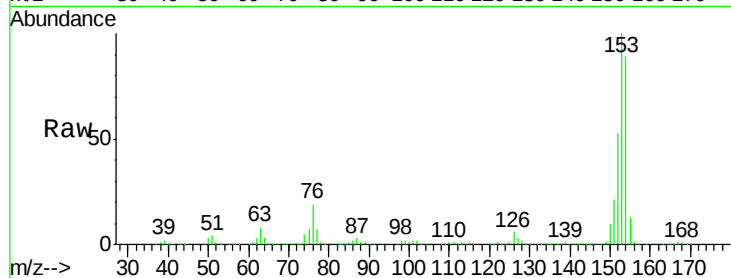
Acq: 27 Dec 2015 12:00

Instrument :

BNA_G

ClientSampleId :

D9N61



Tgt Ion:153 Resp: 1534611

Ion Ratio Lower Upper

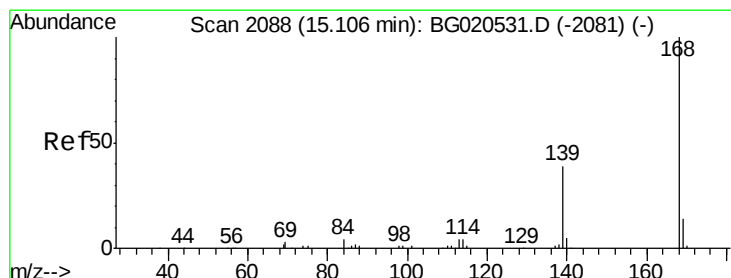
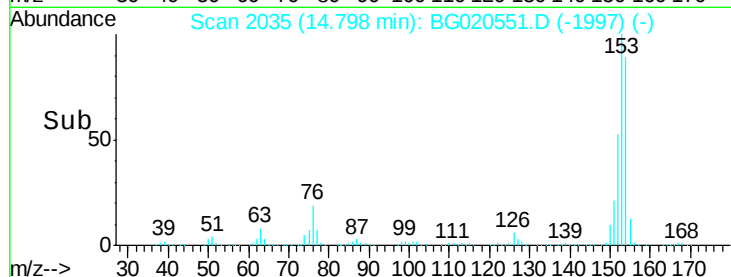
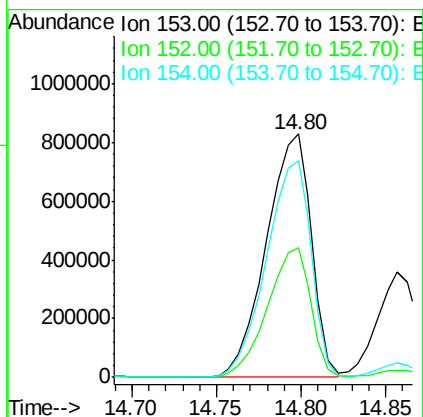
153 100

152 53.1 37.6 56.4

154 88.8 67.9 101.9

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#54

Dibenzofuran

Concen: 216.80 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.01 min

Lab File: BG020551.D

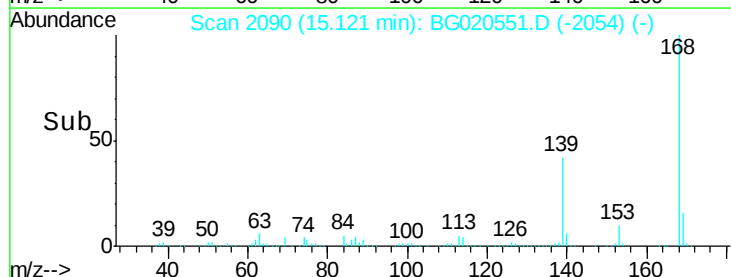
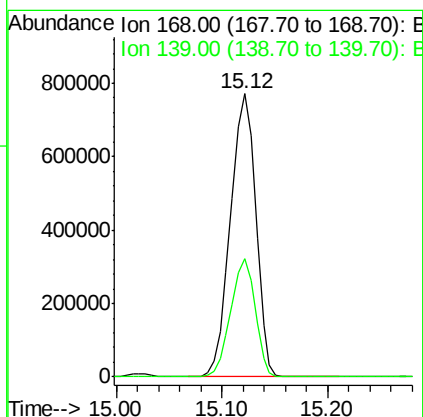
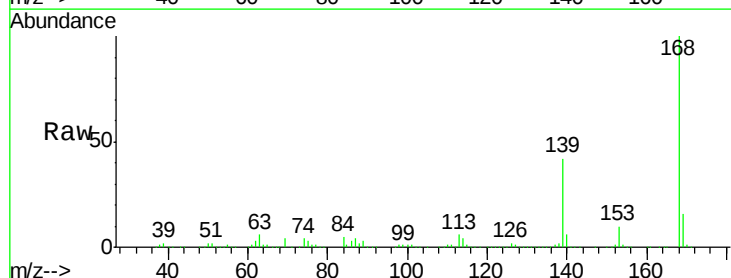
Acq: 27 Dec 2015 12:00

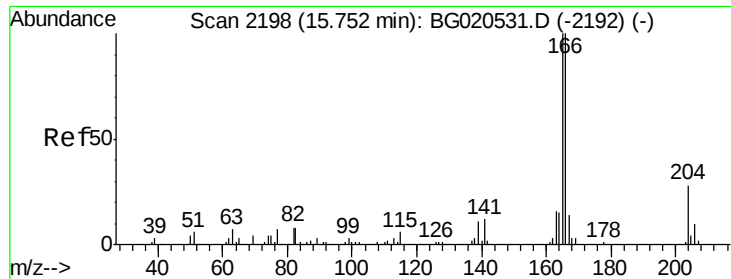
Tgt Ion:168 Resp: 1276365

Ion Ratio Lower Upper

168 100

139 41.7 30.5 45.7





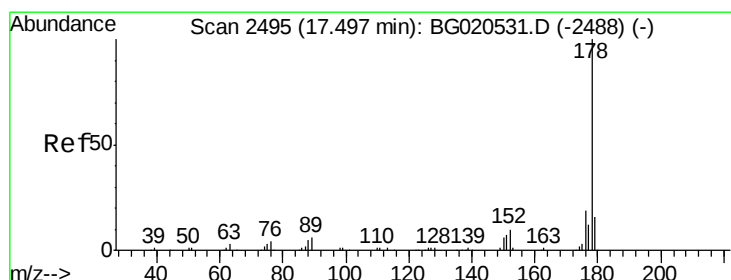
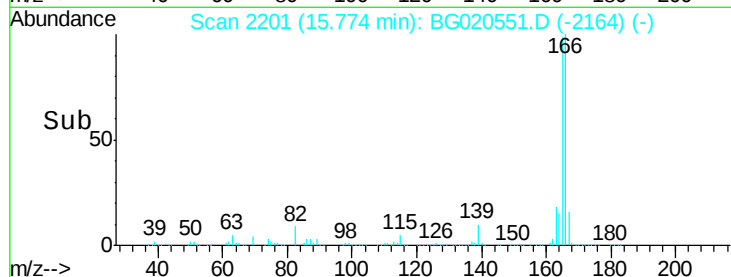
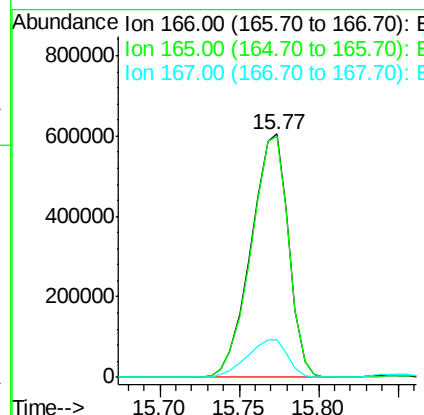
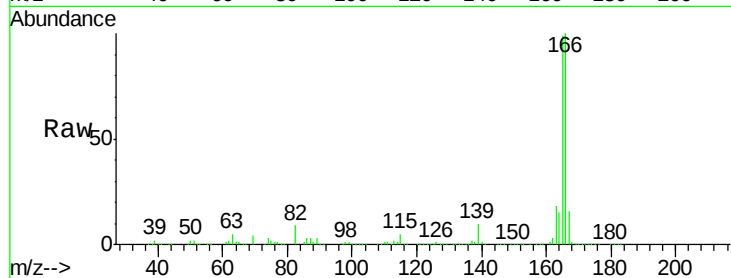
#59
Fluorene
Concen: 207.23 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BG020551.D
Acq: 27 Dec 2015 12:00

Instrument :
BNA_G
ClientSampleId :
D9N61

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	988682		
165	98.9	81.4	122.0	
167	15.5	11.2	16.8	

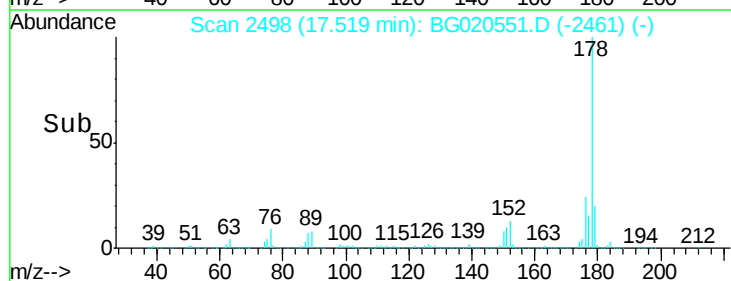
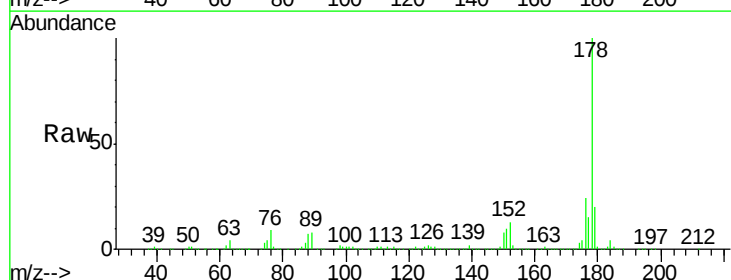
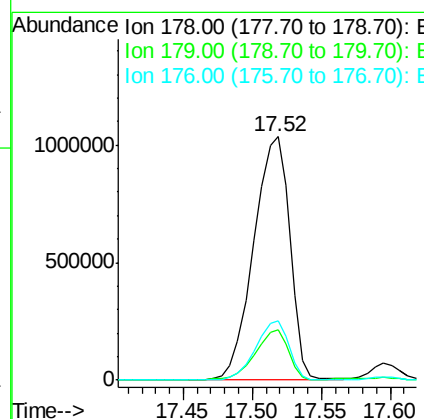
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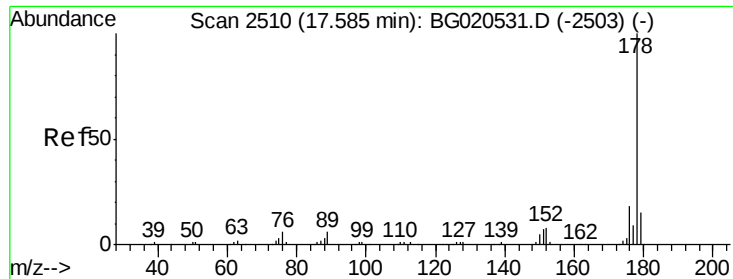
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#70
Phenanthrene
Concen: 233.14 ng/ul m
RT: 17.52 min Scan# 2498
Delta R.T. 0.02 min
Lab File: BG020551.D
Acq: 27 Dec 2015 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1895967		
179	20.4	12.9	19.3#	
176	24.3	15.3	22.9#	





#72

Anthracene

Concen: 12.02 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG020551.D

Acq: 27 Dec 2015 12:00

Instrument :

BNA_G

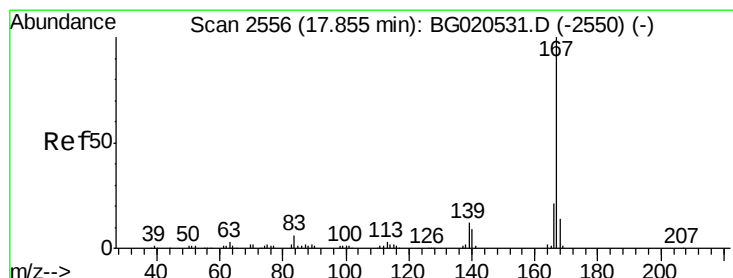
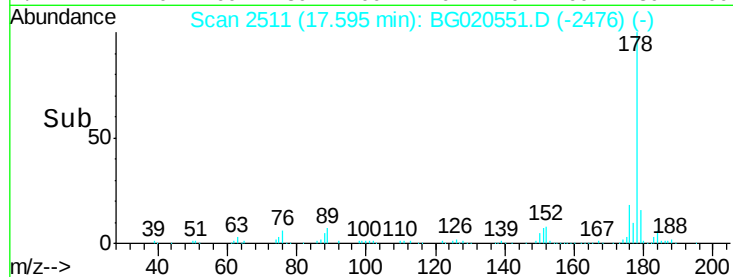
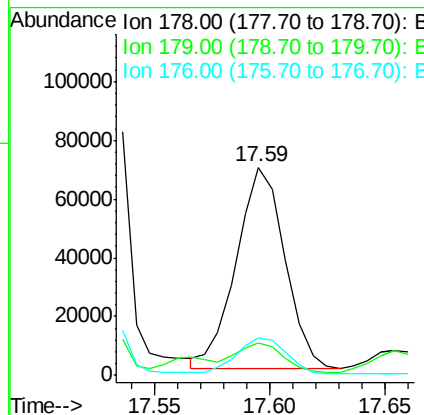
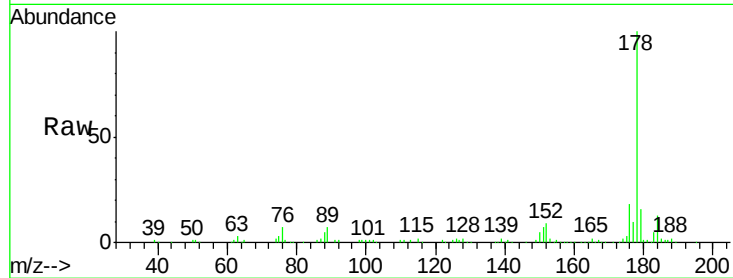
ClientSampleId :

D9N61

Tgt Ion:	178	Resp:	99928
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.3	18.5
176	18.3	14.3	21.5

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#75

Carbazole

Concen: 184.55 ng/ul

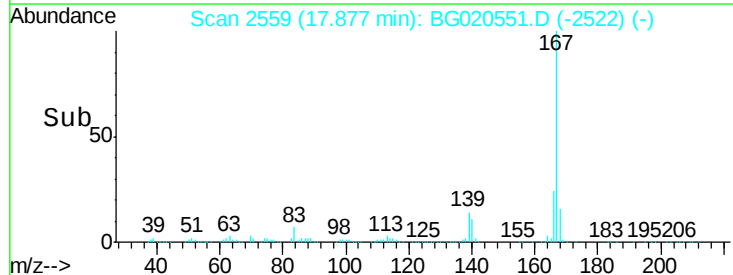
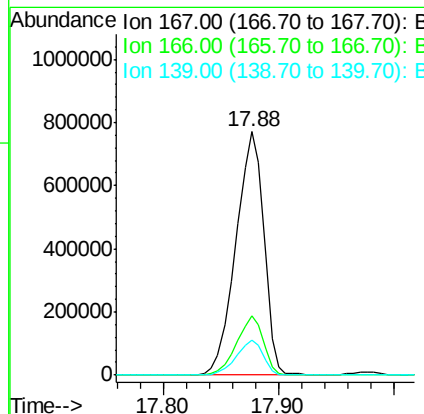
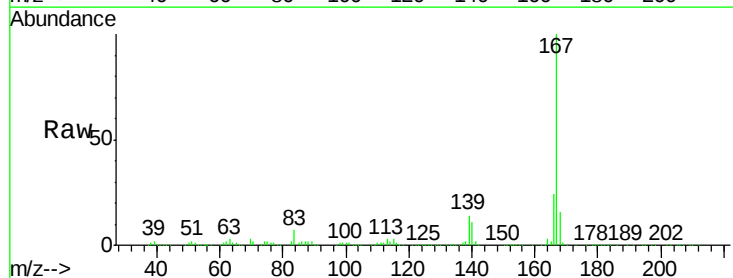
RT: 17.88 min Scan# 2559

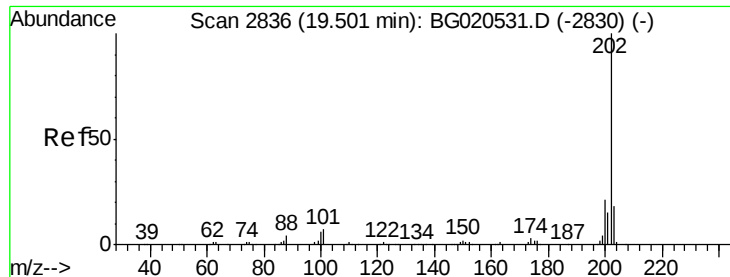
Delta R.T. 0.02 min

Lab File: BG020551.D

Acq: 27 Dec 2015 12:00

Tgt Ion:	167	Resp:	1293328
Ion Ratio	Lower	Upper	
167	100		
166	24.4	17.0	25.6
139	14.5	10.1	15.1





#77

Fluoranthene

Concen: 39.69 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020551.D

Acq: 27 Dec 2015 12:00

Instrument :

BNA_G

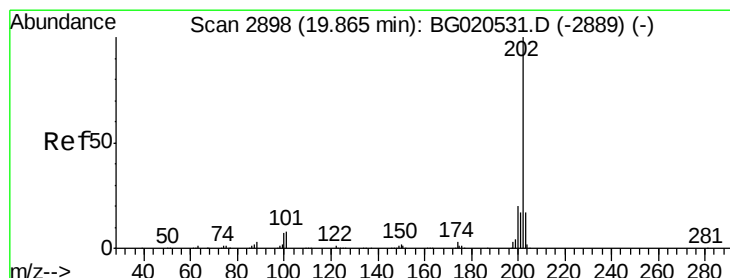
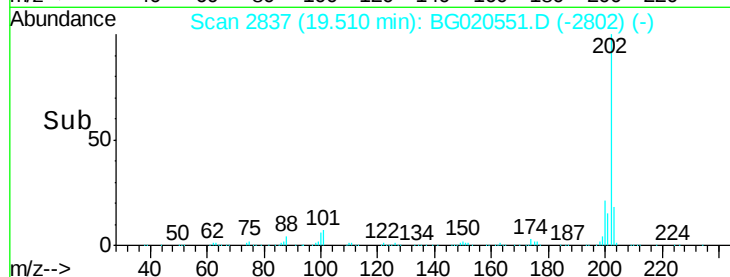
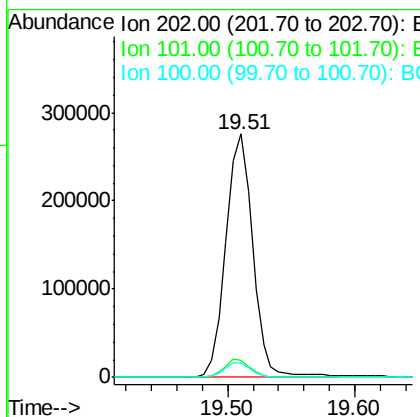
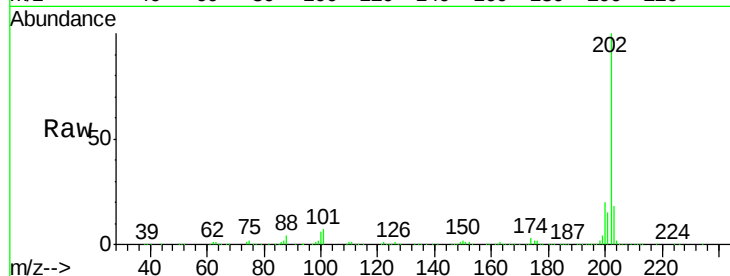
ClientSampleId :

D9N61

Tgt	Ion	202	Resp:	405943
Ion	Ratio	Lower	Upper	
202	100			
101	7.1	6.2	9.4	
100	5.9	5.1	7.7	

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#80

Pyrene

Concen: 23.94 ng/ul

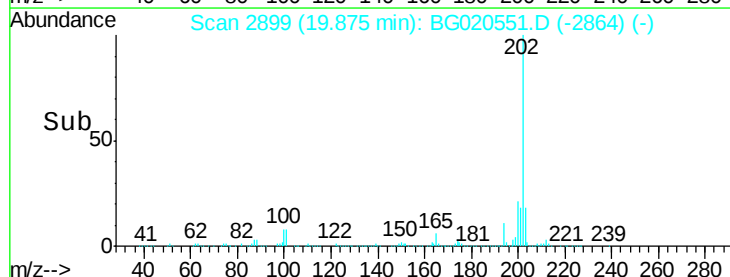
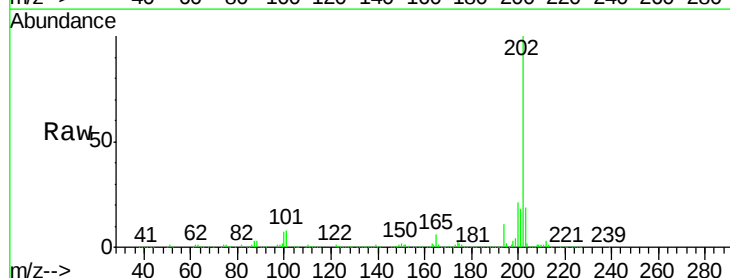
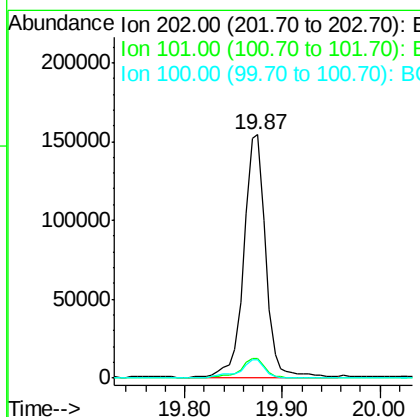
RT: 19.87 min Scan# 2899

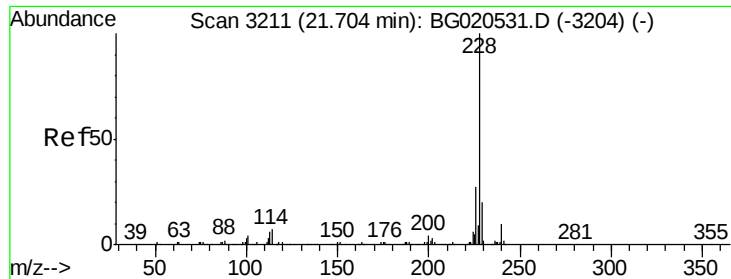
Delta R.T. 0.00 min

Lab File: BG020551.D

Acq: 27 Dec 2015 12:00

Tgt	Ion	202	Resp:	237618
Ion	Ratio	Lower	Upper	
202	100			
101	8.0	7.0	10.4	
100	7.5	6.4	9.6	





#83

Benzo(a)anthracene

Concen: 1.01 ng/ul

RT: 21.71 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BG020551.D

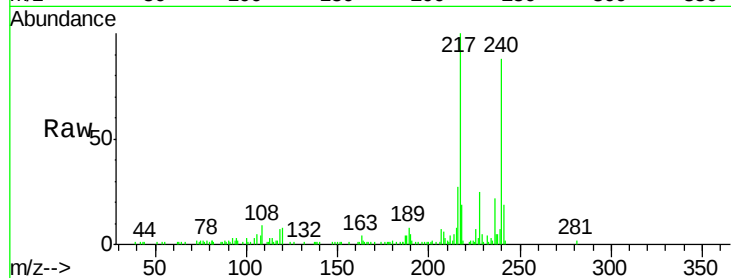
Acq: 27 Dec 2015 12:00

Instrument :

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Tgt	Ion	Ratio	Lower	Upper
228	100			
229	20.7	15.8	23.8	
226	26.2	21.8	32.6	

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