

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
 Data File : BG019520.D
 Acq On : 6 Nov 2015 20:09
 Operator : UM/NP
 Sample : G4245-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCY53

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 6:49:45 PM

Quant Time: Nov 09 15:38:34 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 06 23:58:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	46174	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	194376m	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.81	164	141880	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	353659	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	471094	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	455154	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	1656	1.72	ng/uL	0.00
5) Phenol-d5	7.32	99	47231	11.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	88052	32.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	69608	26.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	61837	18.32	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	53592	37.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	52818	31.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	101363	27.55	ng/ul	0.01
29) 4-Chloroaniline-d4	11.15	131	106867	28.71	ng/ul	0.02
44) Dimethylphthalate-d6	14.21	166	387079	33.09	ng/ul	0.00
47) Acenaphthylene-d8	14.51	160	427116	32.97	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	31590	17.00	ng/ul	0.00
58) Fluorene-d10	15.80	176	344071	31.79	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.91	200	67841	29.64	ng/ul	0.00
71) Anthracene-d10	17.65	188	567599	35.21	ng/ul	0.00
79) Pyrene-d10	19.93	212	681825	33.07	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.96	264	803307	35.17	ng/ul	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) 4-Methylphenol	8.96	108	5197	1.43	ng/ul#	64
24) 2,4-Dimethylphenol	10.20	107	26828m	5.33	ng/ul	
28) Naphthalene	11.15	128	14111126	1450.93	ng/ul#	1
34) 2-Methylnaphthalene	12.66	142	983020	125.78	ng/ul	97
35) 1-Methylnaphthalene	12.89	142	2366788	320.07	ng/ul	98
41) 1,1'-Biphenyl	13.65	154	1000406	99.75	ng/ul#	95
48) Acenaphthylene	14.54	152	133541	10.06	ng/ul#	93
50) Acenaphthene	14.89	153	2420676	270.09	ng/ul#	92
54) Dibenzofuran	15.21	168	2428630	183.99	ng/ul#	80
59) Fluorene	15.86	166	1622563	140.91	ng/ul#	96
70) Phenanthrene	17.61	178	2366390m	132.58	ng/ul	
72) Anthracene	17.69	178	180024	9.90	ng/ul	93
75) Carbazole	17.97	167	2983085	205.48	ng/ul#	77
77) Fluoranthene	19.59	202	268051	11.60	ng/ul#	94
80) Pyrene	19.96	202	154226	5.83	ng/ul#	87

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

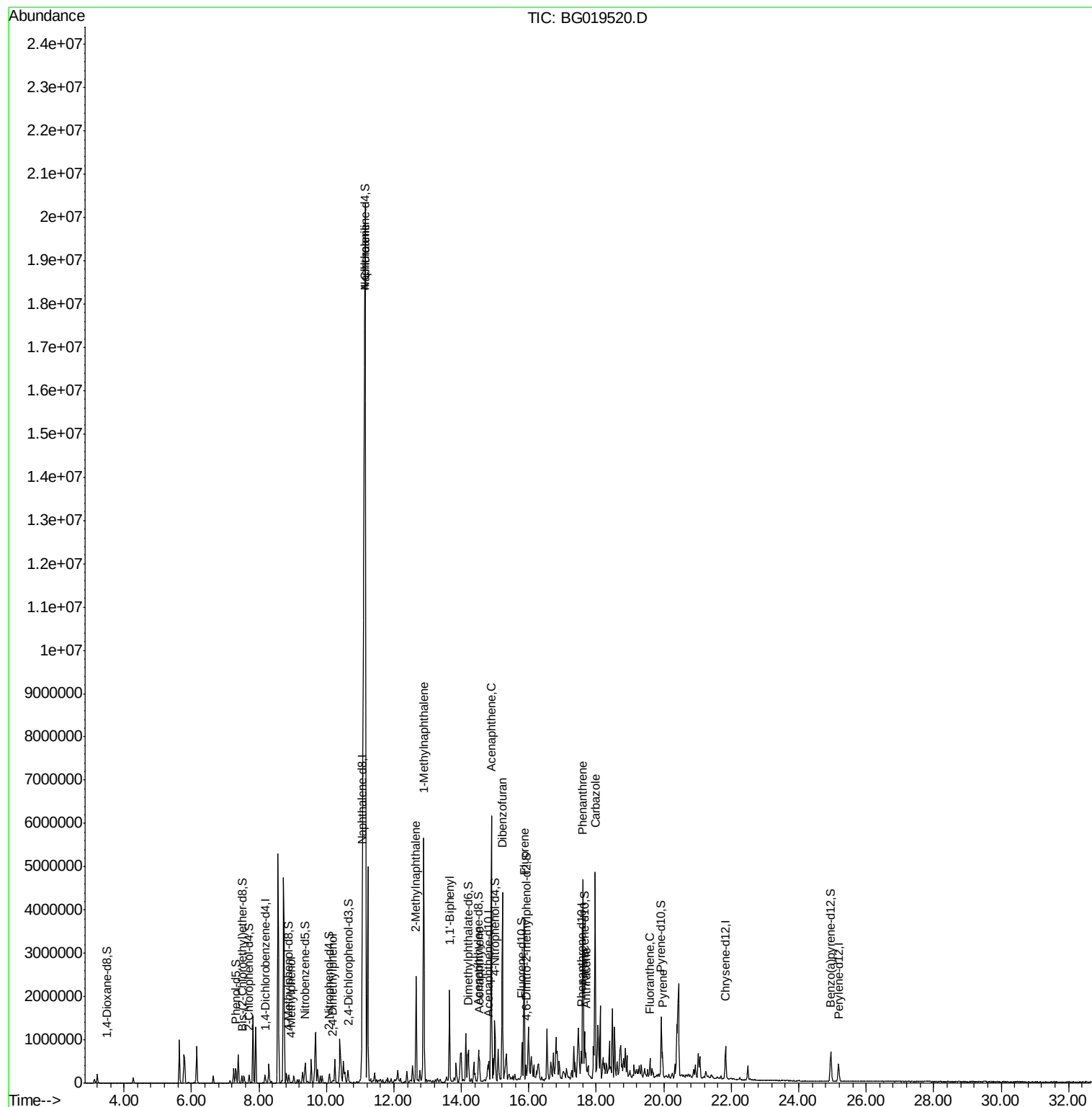
Data Path : Z:\HPCHEM1\BNA G\DATA\BG110615\
Data File : BG019520.D
Acq On : 6 Nov 2015 20:09
Operator : UM/NP
Sample : G4245-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

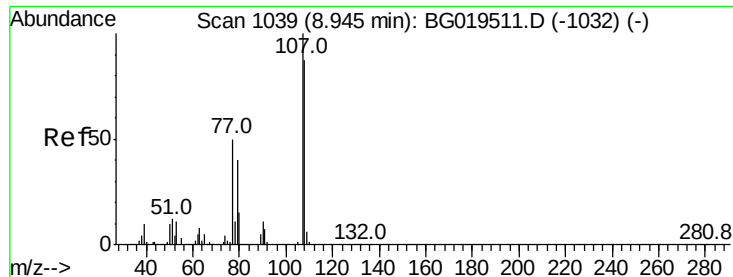
Instrument :
BNA_G
ClientSampleId :
BCY53

Manual Integrations
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Quant Time: Nov 09 15:38:34 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
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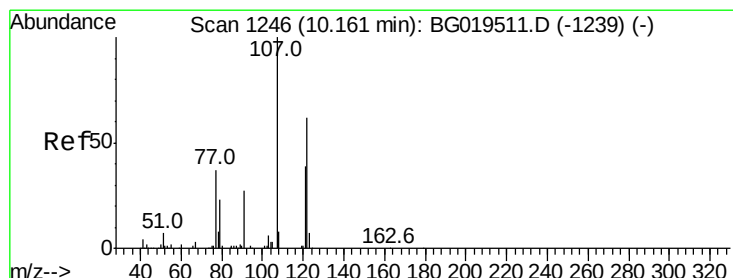
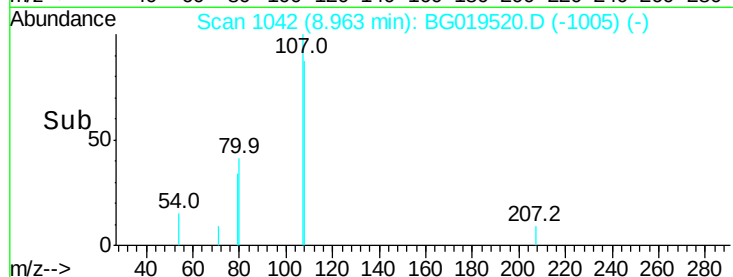
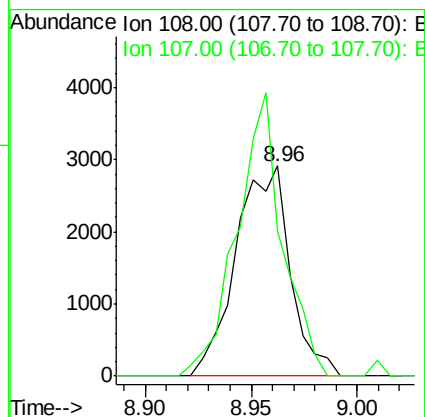
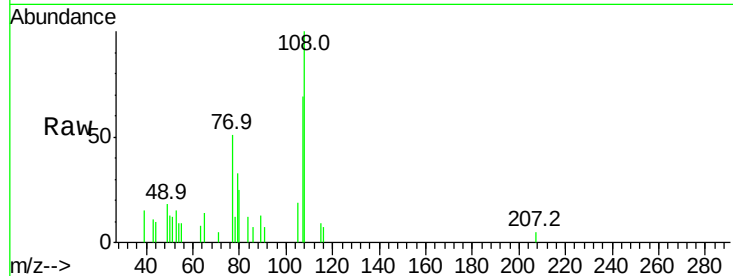
#16
4-Methylphenol
Concen: 1.43 ng/ul
RT: 8.96 min Scan# 1042
Delta R.T. 0.02 min
Lab File: BG019520.D
Acq: 6 Nov 2015 20:09

Instrument :
BNA_G
ClientSampleId :
BCY53

Tot Ion	Ratio	Lower	Upper
108	100		
107	69.1	85.4	128.2#

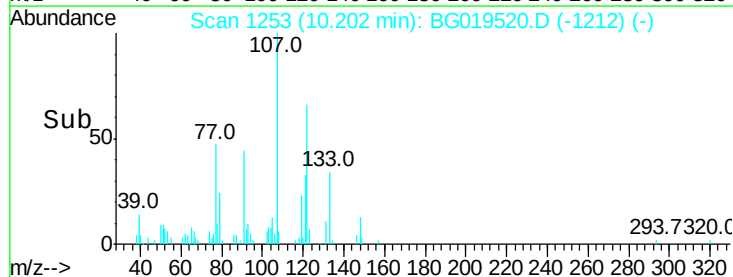
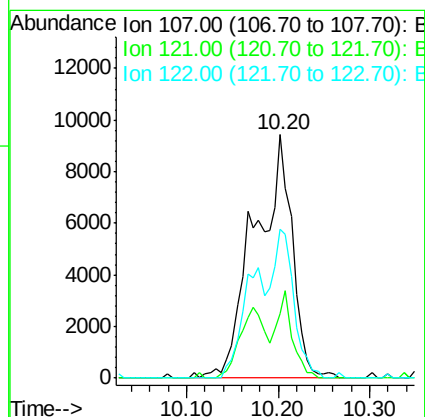
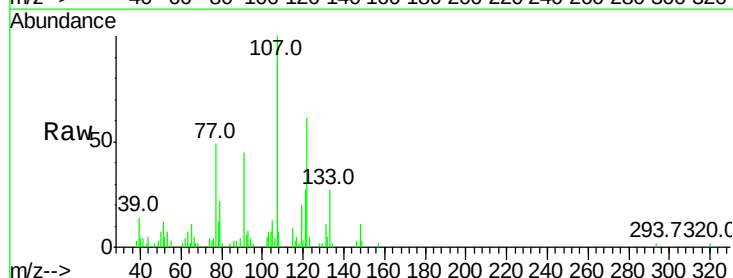
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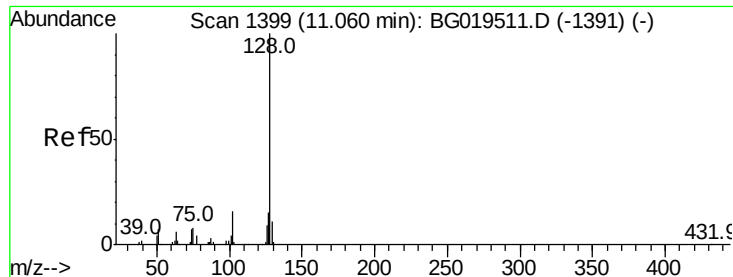
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#24
2,4-Dimethylphenol
Concen: 5.33 ng/ul m
RT: 10.20 min Scan# 1253
Delta R.T. 0.04 min
Lab File: BG019520.D
Acq: 6 Nov 2015 20:09

Tgt Ion	Ratio	Lower	Upper
107	100		
121	26.7	33.0	49.4#
122	61.3	54.2	81.2





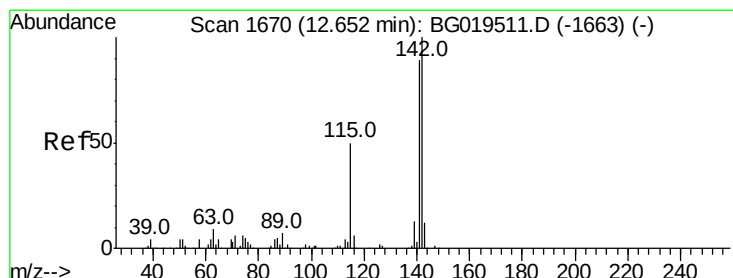
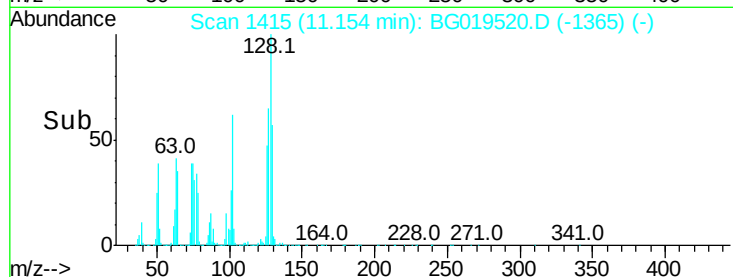
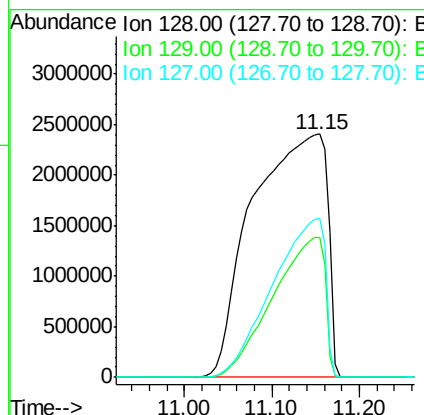
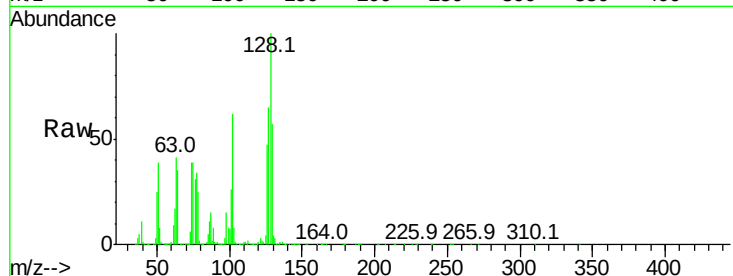
#28
Naphthalene
Concen: 1450.93 ng/ul
RT: 11.15 min Scan# 1415
Delta R.T. 0.09 min
Lab File: BG019520.D
Acq: 6 Nov 2015 20:09

Instrument :
BNA_G
ClientSampleId :
BCY53

Tot Ion:128 Resp:14111126
Ion Ratio Lower Upper
128 100
129 57.3 8.9 13.3#
127 65.2 13.1 19.7#

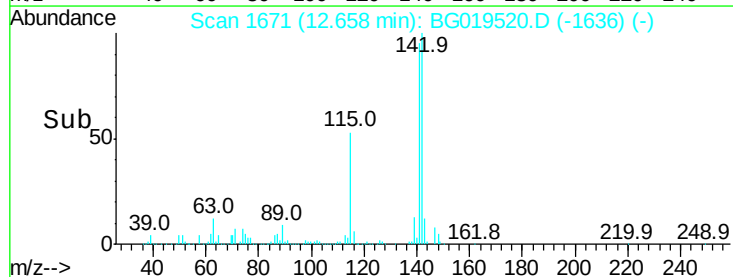
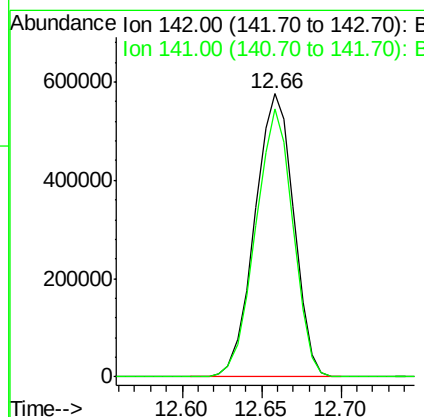
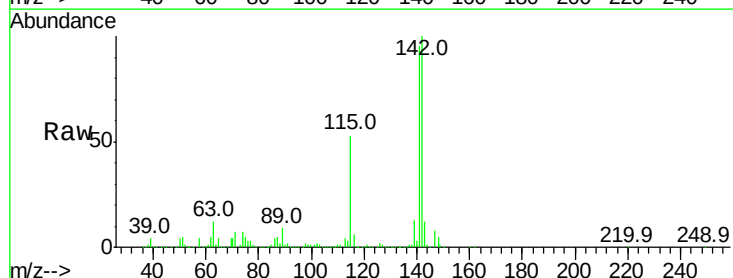
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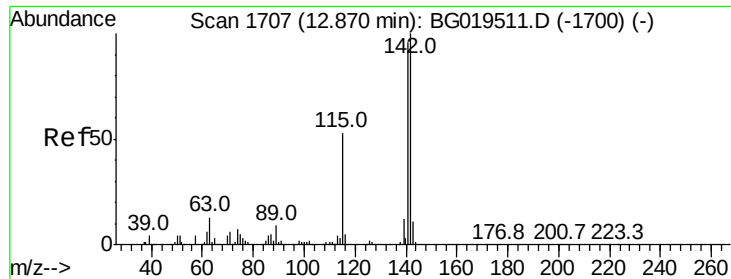
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#34
2-Methylnaphthalene
Concen: 125.78 ng/ul
RT: 12.66 min Scan# 1671
Delta R.T. 0.01 min
Lab File: BG019520.D
Acq: 6 Nov 2015 20:09

Tgt Ion:142 Resp: 983020
Ion Ratio Lower Upper
142 100
141 94.6 73.4 110.2





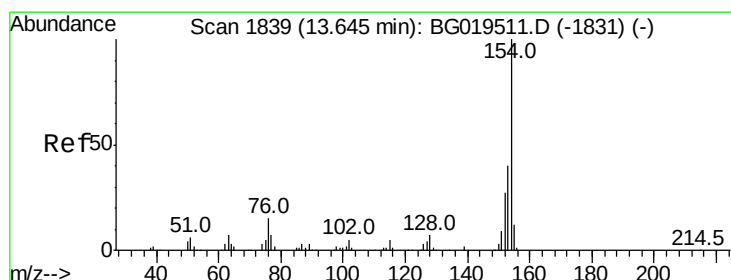
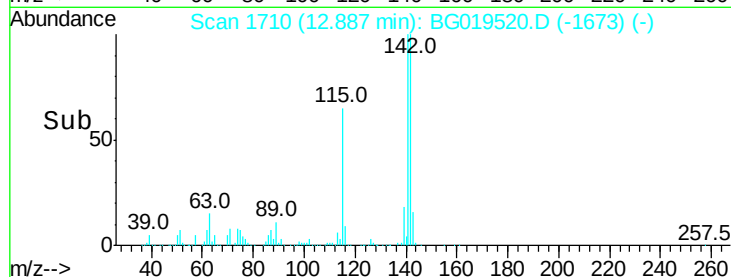
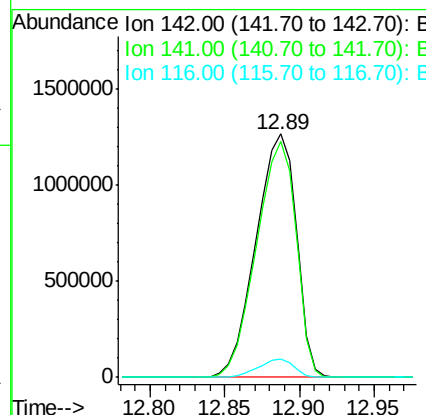
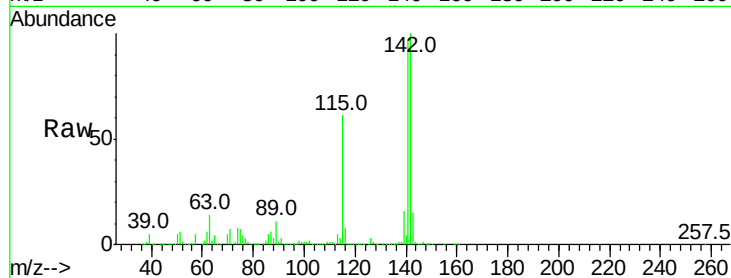
#35
 1-Methylnaphthalene
 Concen: 320.07 ng/ul
 RT: 12.89 min Scan# 1710
 Delta R.T. 0.02 min
 Lab File: BG019520.D
 Acq: 6 Nov 2015 20:09

Instrument :
 BNA_G
 ClientSampleId :
 BCY53

Tot Ion	Ratio	Lower	Upper
142	100		
141	97.0	76.5	114.7
116	7.7	5.4	8.0

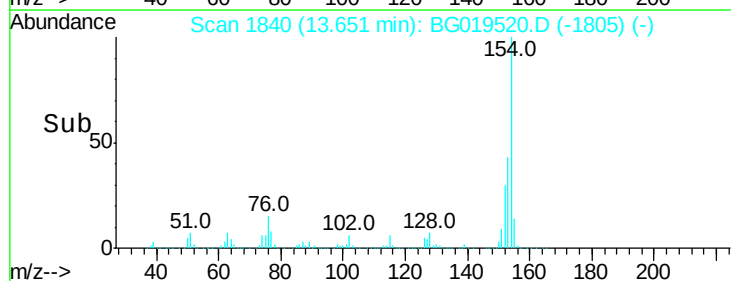
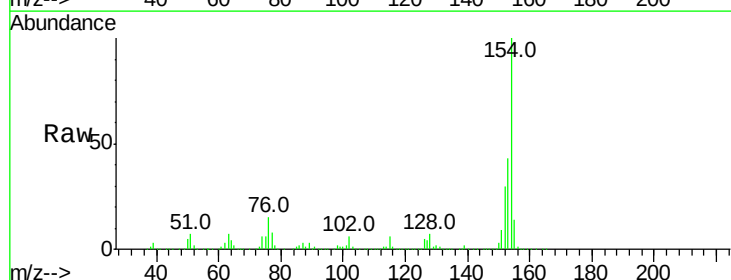
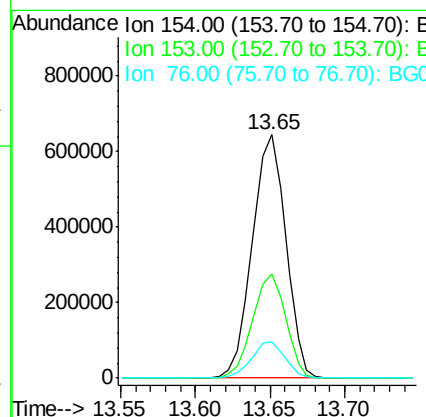
Manual Integrations
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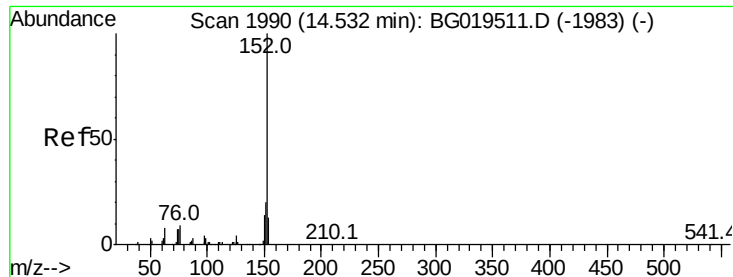
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#41
 1,1'-Biphenyl
 Concen: 99.75 ng/ul
 RT: 13.65 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BG019520.D
 Acq: 6 Nov 2015 20:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.0	32.8	49.2
76	14.9	7.7	11.5





#48

Acenaphthylene

Concen: 10.06 ng/ul

RT: 14.54 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

Instrument :

BNA_G

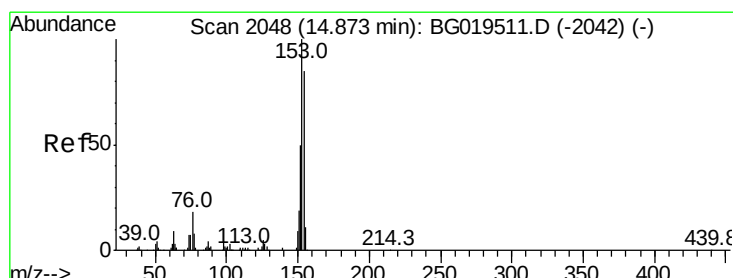
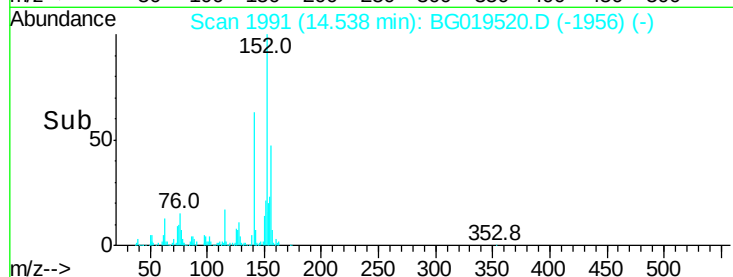
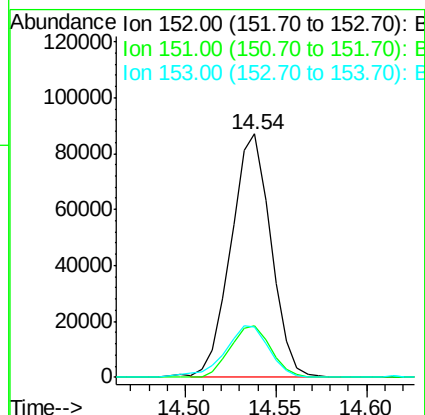
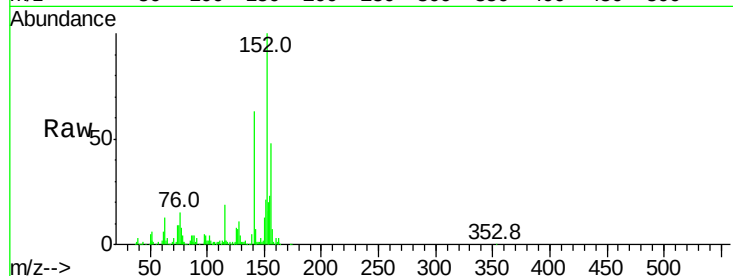
ClientSampleId :

BCY53

Tot Ion	Ratio	Resp	Lower	Upper
152	100	133541		
151	21.0	16.9	25.3	
153	20.5	10.8	16.2	

Manual Integrations
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#50

Acenaphthene

Concen: 270.09 ng/ul

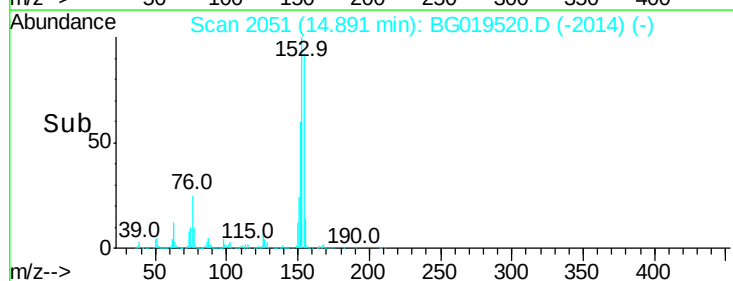
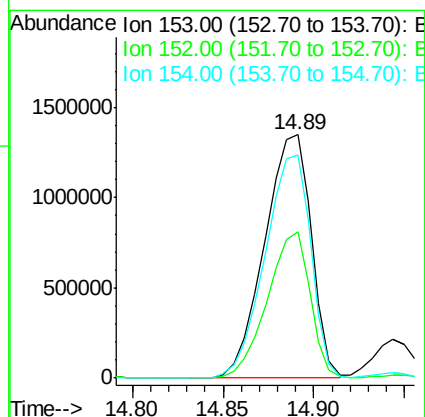
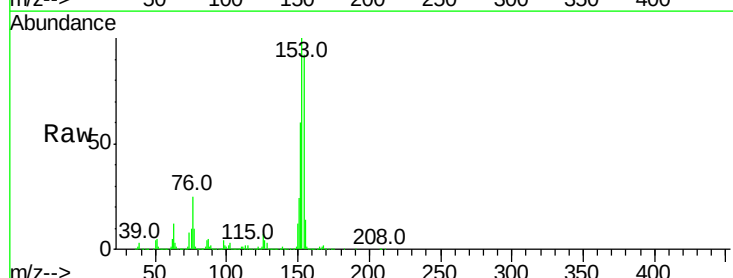
RT: 14.89 min Scan# 2051

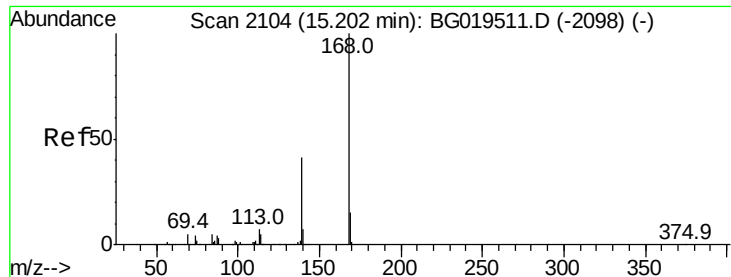
Delta R.T. 0.02 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	2420676		
152	60.0	38.8	58.2	
154	91.8	71.5	107.3	





#54

Dibenzenofuran

Concen: 183.99 ng/ul

RT: 15.21 min Scan# 2106

Delta R.T. 0.01 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

Instrument :

BNA_G

ClientSampleId :

BCY53

Tot Ion:168 Resp: 2428630

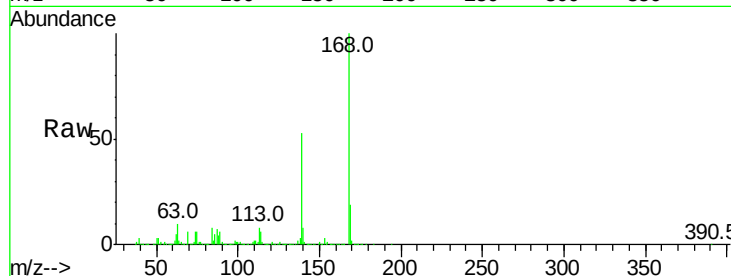
Ion Ratio Lower Upper

168 100

139 52.8 32.4 48.6#

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.21

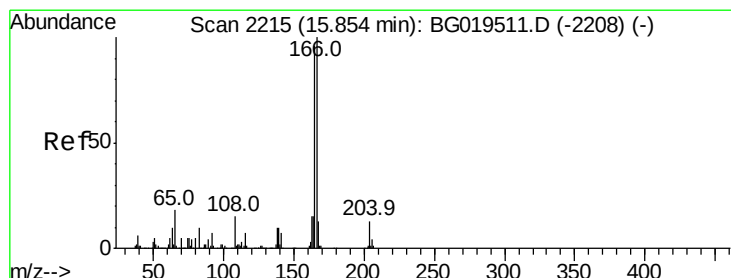
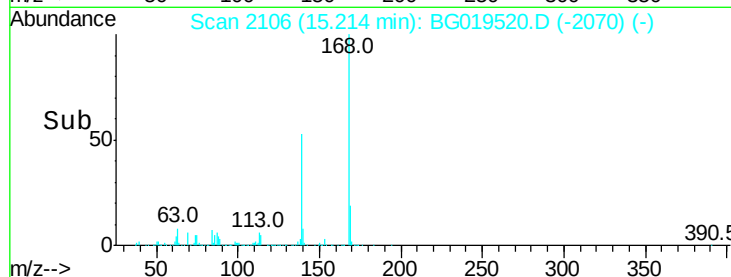
1500000

1000000

500000

0

Time--> 15.15 15.20 15.25



#59

Fluorene

Concen: 140.91 ng/ul

RT: 15.86 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

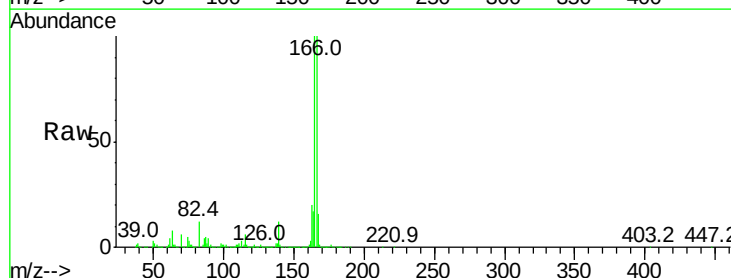
Tgt Ion:166 Resp: 1622563

Ion Ratio Lower Upper

166 100

165 99.8 77.6 116.4

167 16.4 9.6 14.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

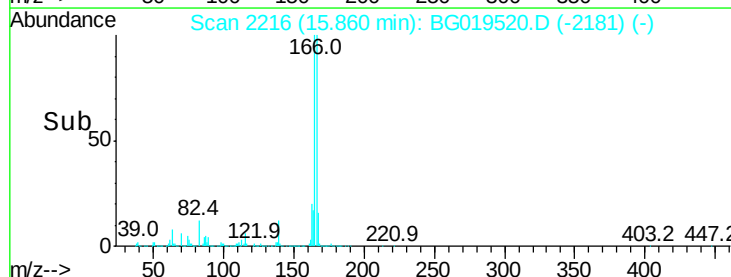
15.86

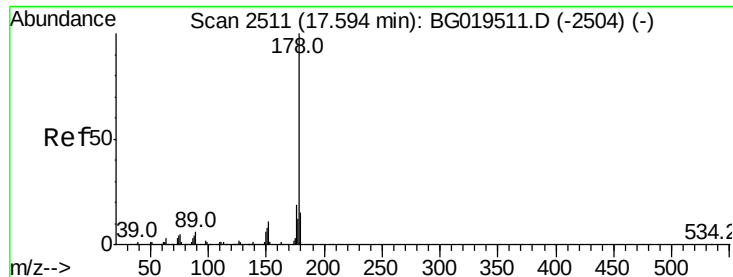
1000000

500000

0

Time--> 15.80 15.85 15.90





#70

Phenanthrene

Concen: 132.58 ng/ul m

RT: 17.61 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

Instrument :

BNA_G

ClientSampleId :

BCY53

Tot Ion:178 Resp: 2366390

Ion Ratio Lower Upper

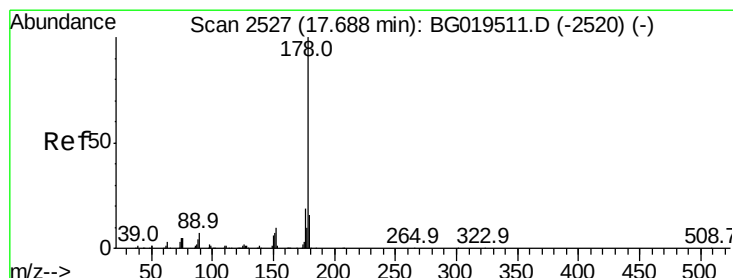
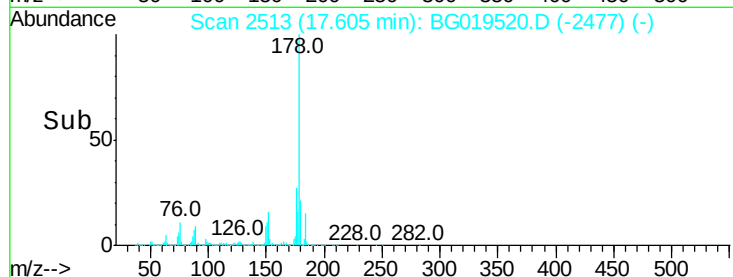
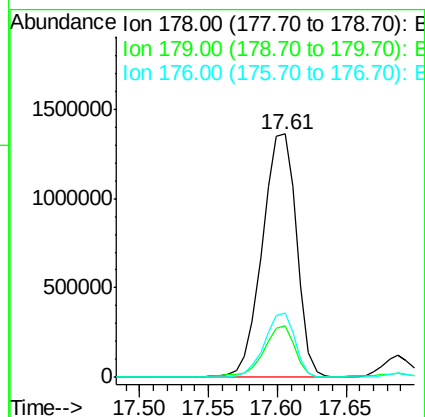
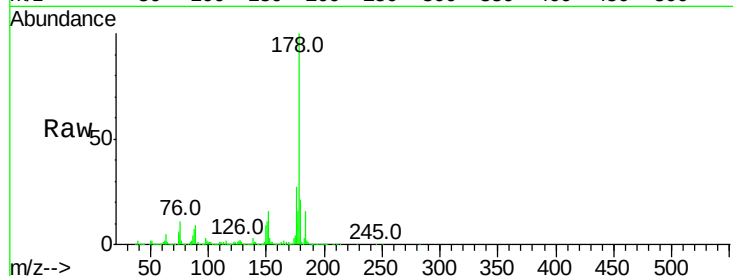
178 100

179 21.3 12.6 18.8#

176 26.7 14.3 21.5#

Manual Integrations
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#72

Anthracene

Concen: 9.90 ng/ul

RT: 17.69 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

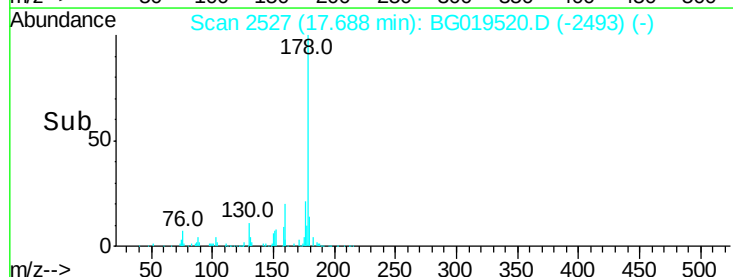
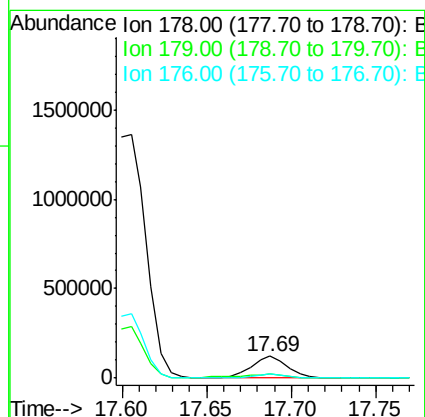
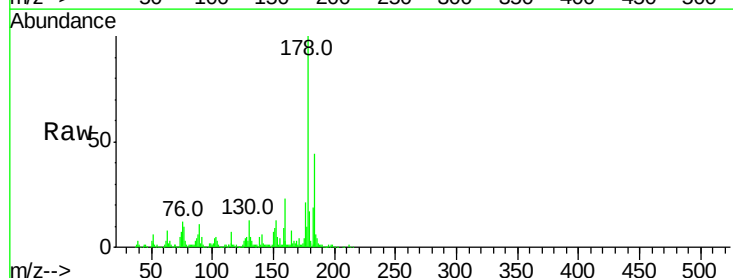
Tgt Ion:178 Resp: 180024

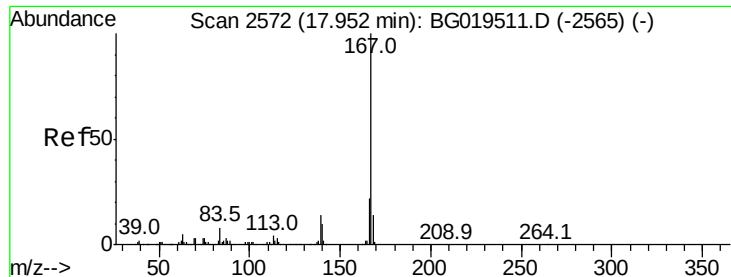
Ion Ratio Lower Upper

178 100

179 16.9 11.6 17.4

176 21.0 14.2 21.4





#75

Carbazole

Concen: 205.48 ng/ul

RT: 17.97 min Scan# 2575

Delta R.T. 0.02 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

Instrument :

BNA_G

ClientSampleId :

BCY53

Tot Ion:167 Resp: 2983085

Ion Ratio Lower Upper

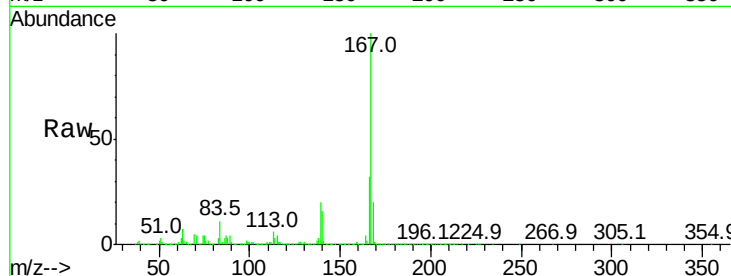
167 100

166 32.4 16.8 25.2#

139 19.8 9.8 14.6#

Manual Integrations
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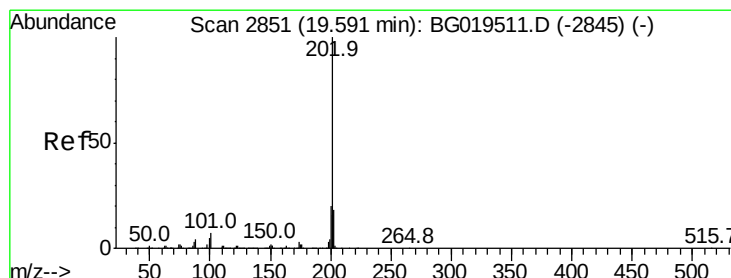
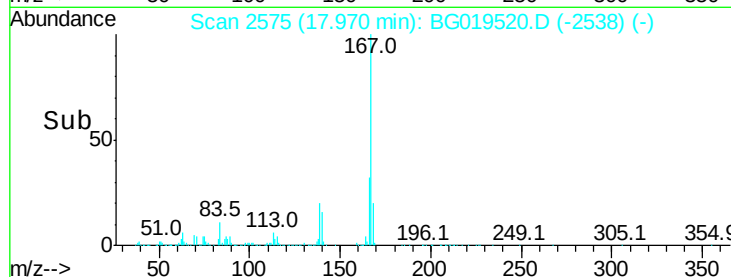
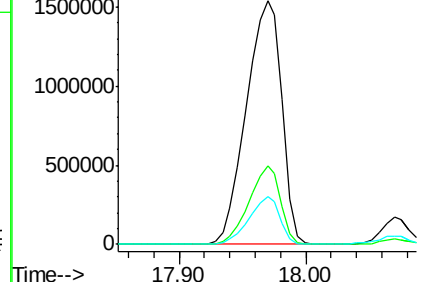
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 11.60 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG019520.D

Acq: 6 Nov 2015 20:09

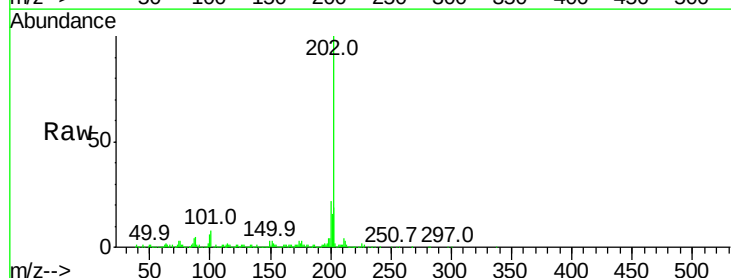
Tgt Ion:202 Resp: 268051

Ion Ratio Lower Upper

202 100

101 7.7 4.0 6.0#

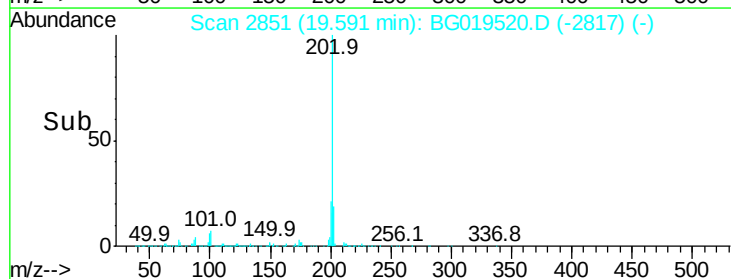
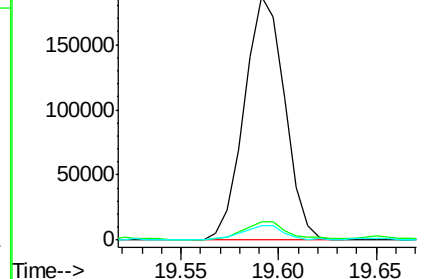
100 5.7 3.6 5.4#

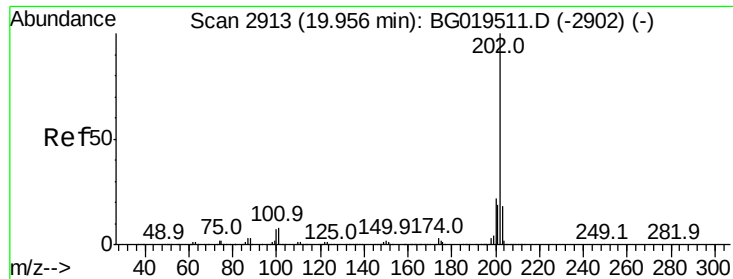


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80
 Pvrene
 Concen: 5.83 ng/ul
 RT: 19.96 min Scan# 2913
 Delta R.T. 0.00 min
 Lab File: BG019520.D
 Acq: 6 Nov 2015 20:09

Instrument :
 BNA_G
 ClientSampleId :
 BCY53

Tot Ion:	202	Resp:	154226
Ion Ratio	Lower	Upper	
202	100		
101	9.7	4.3	6.5#
100	8.5	3.6	5.4#

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 6:49:45 PM

