

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122815\
 Data File : BG020585.D
 Acq On : 29 Dec 2015 4:59
 Operator : UM/SJ
 Sample : G4802-13DL 30X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 G9D88DL

Manual Integrations
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 12/29/2015 4:55:40 PM

Quant Time: Dec 29 06:45:31 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 29 05:04:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	13577	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	62223	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	49852	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	136962	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	170105	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	164614	20.00	ng/ul	0.00

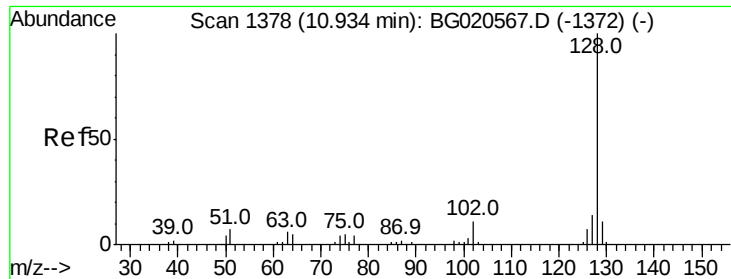
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	324	0.30	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.39	67	420m	0.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	455	0.54	ng/ul	0.00
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	9.24	128	274	0.56	ng/ul	0.00
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	10.52	165	337	0.31	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.10	166	4227	1.03	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	4867	1.02	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.69	176	4633	1.25	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.55	188	7796	1.22	ng/ul	0.00
79) Pyrene-d10	19.83	212	8565	1.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	8609	1.03	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.94	128	371623	112.35	ng/ul	98
34) 2-Methylnaphthalene	12.54	142	223619	91.37	ng/ul	99
41) 1,1'-Biphenyl	13.54	154	26063	6.77	ng/ul	98
48) Acenaphthylene	14.43	152	12093	2.42	ng/ul#	75
50) Acenaphthene	14.77	153	113048	33.42	ng/ul	98
54) Dibenzofuran	15.10	168	14543	2.89	ng/ul	91
59) Fluorene	15.75	166	81055	19.87	ng/ul	96
70) Phenanthrene	17.50	178	448826	58.90	ng/ul	99
72) Anthracene	17.59	178	108674	13.95	ng/ul	99
77) Fluoranthene	19.50	202	138089	14.41	ng/ul	99
80) Pyrene	19.87	202	232725	24.19	ng/ul	98
83) Benzo(a)anthracene	21.70	228	73603	7.37	ng/ul	97
85) Chrysene	21.77	228	70120	7.37	ng/ul	94
88) Benzo(b)fluoranthene	23.95	252	38704m	3.92	ng/ul	
89) Benzo(k)fluoranthene	24.01	252	11076m	1.16	ng/ul	
91) Benzo(a)pyrene	24.83	252	44842	4.72	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.71	276	16543m	1.45	ng/ul	
94) Benzo(g,h,i)perylene	29.89	276	18291m	1.96	ng/ul	

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



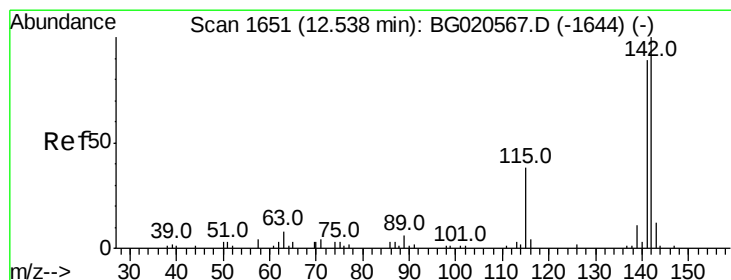
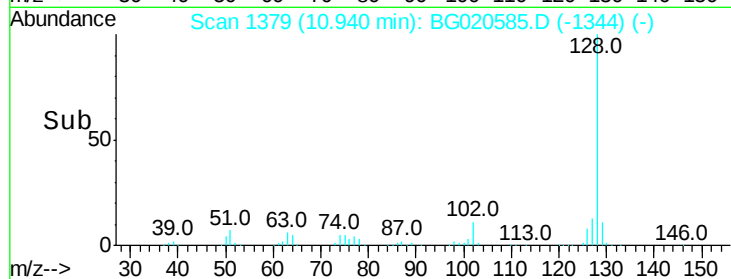
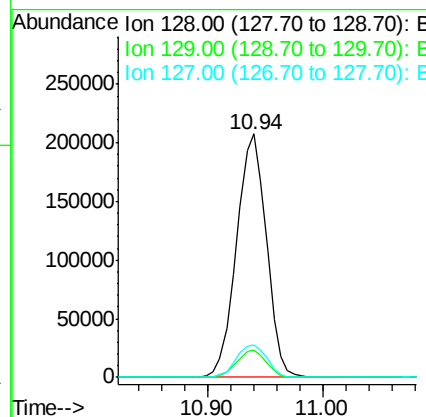
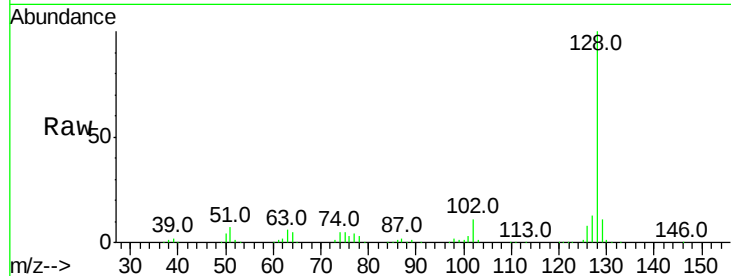
#28
Naphthalene
Concen: 112.35 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Instrument :
BNA_G
ClientSampleId :
G9D88DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	371623		
129	11.5		8.6	12.8
127	13.3		10.1	15.1

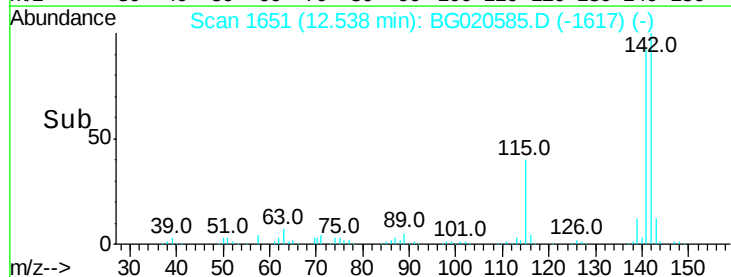
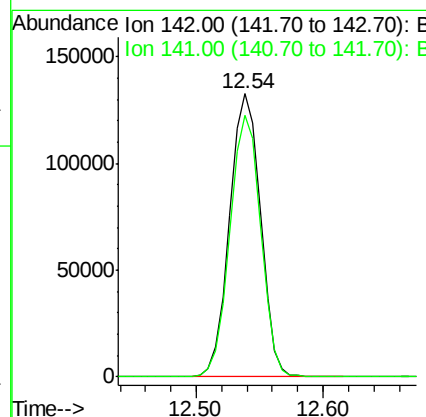
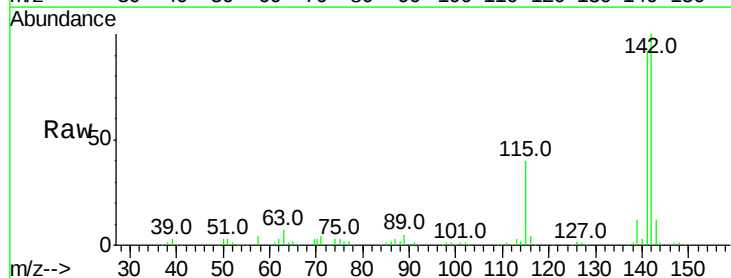
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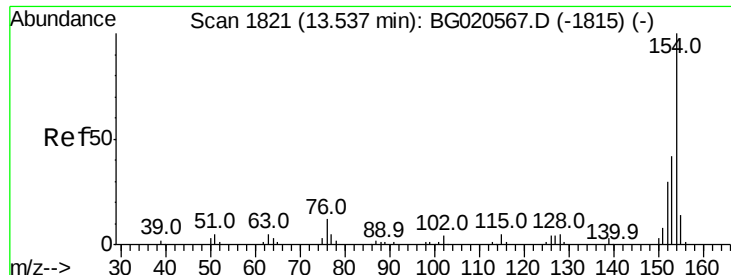
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#34
2-Methylnaphthalene
Concen: 91.37 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	223619		
141	92.3		74.9	112.3





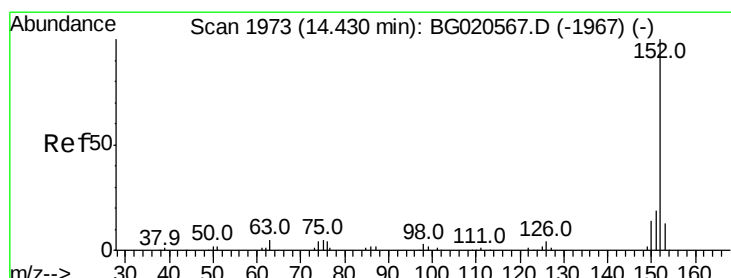
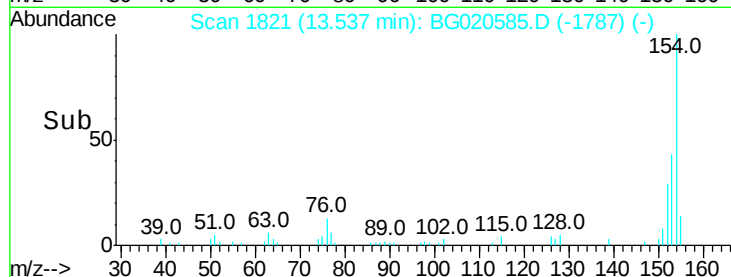
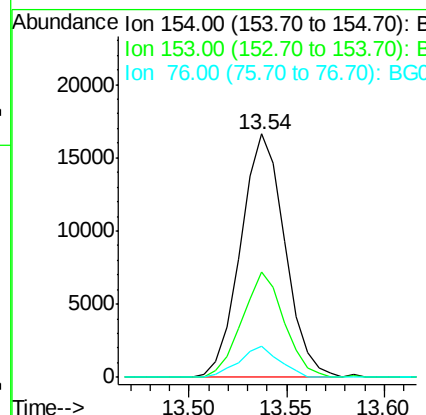
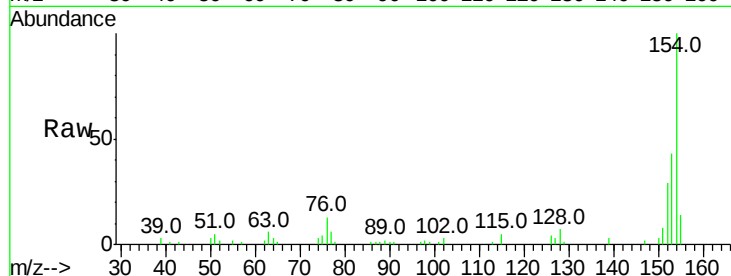
#41
 1,1'-Biphenyl
 Concen: 6.77 ng/ul
 RT: 13.54 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG020585.D
 Acq: 29 Dec 2015 4:59

Instrument :
 BNA_G
 ClientSampleID :
 G9D88DL

Tot Ion:	154	Resp:	26063
Ion Ratio	Lower	Upper	
154	100		
153	43.1	35.5	53.3
76	12.7	10.4	15.6

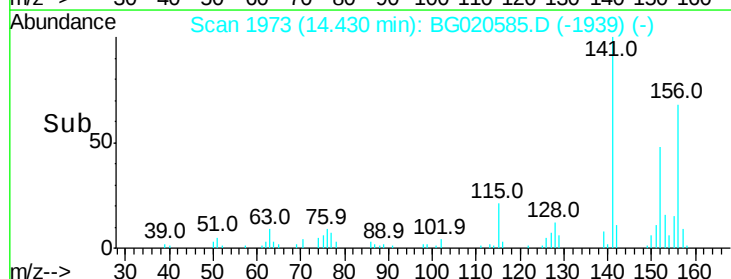
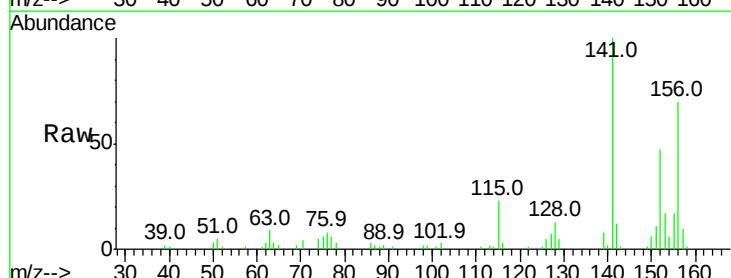
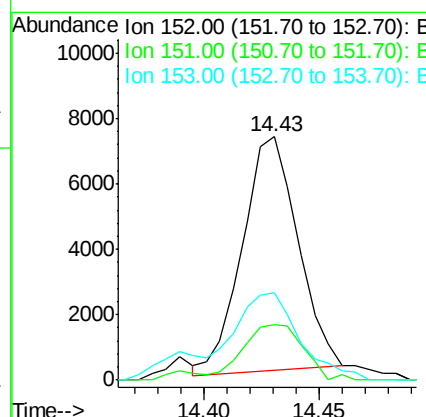
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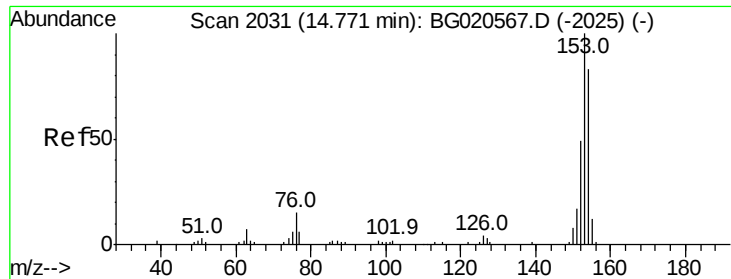
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#48
 Acenaphthylene
 Concen: 2.42 ng/ul
 RT: 14.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: BG020585.D
 Acq: 29 Dec 2015 4:59

Tgt Ion:	152	Resp:	12093
Ion Ratio	Lower	Upper	
152	100		
151	22.8	16.4	24.6
153	36.0	10.4	15.6#





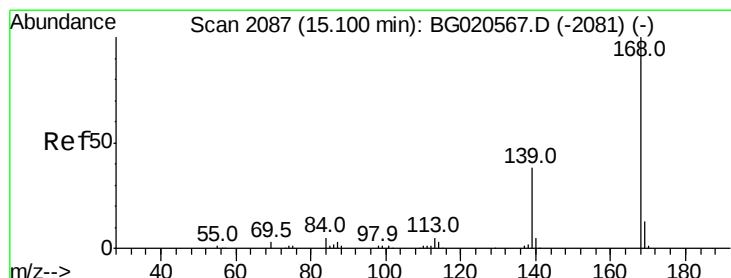
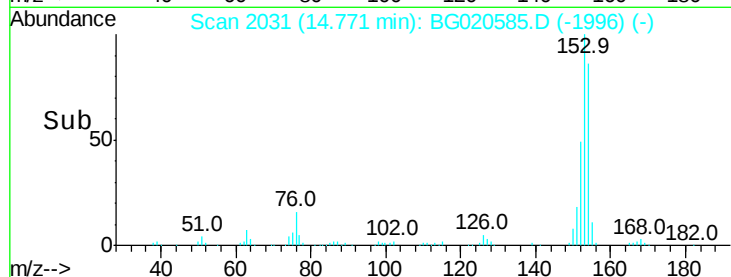
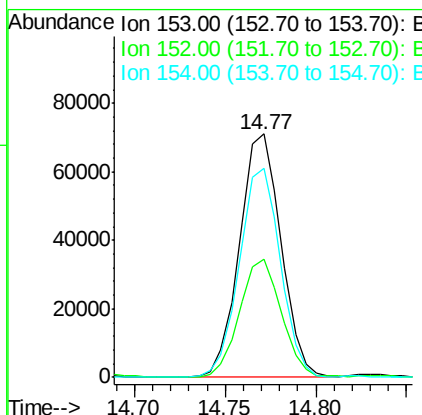
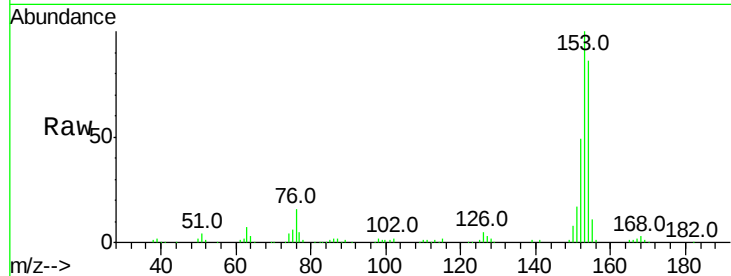
#50
Acenaphthene
Concen: 33.42 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Instrument :
BNA_G
ClientSampleId :
G9D88DL

Tot Ion	Ratio	Lower	Upper
153	100		
152	48.6	37.6	56.4
154	85.9	67.9	101.9

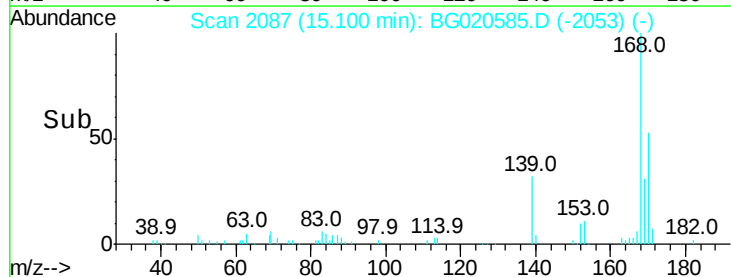
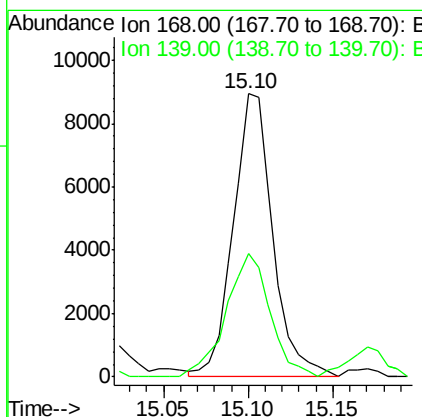
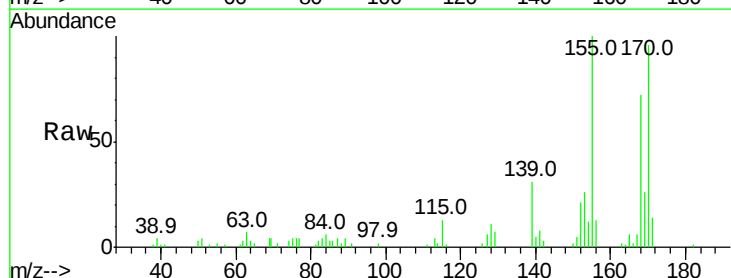
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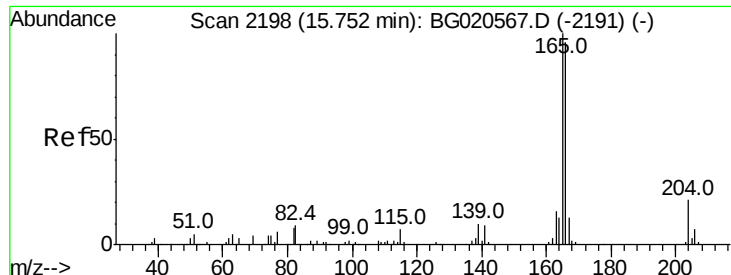
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#54
Dibenzofuran
Concen: 2.89 ng/ul
RT: 15.10 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.8	30.5	45.7





#59

Fluorene

Concen: 19.87 ng/ul

RT: 15.75 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BG020585.D

Acq: 29 Dec 2015 4:59

Instrument :

BNA_G

ClientSampleId :

G9D88DL

Tot Ion:166 Resp: 81055

Ion Ratio Lower Upper

166 100

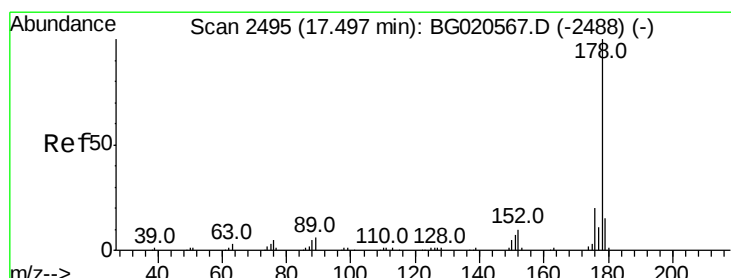
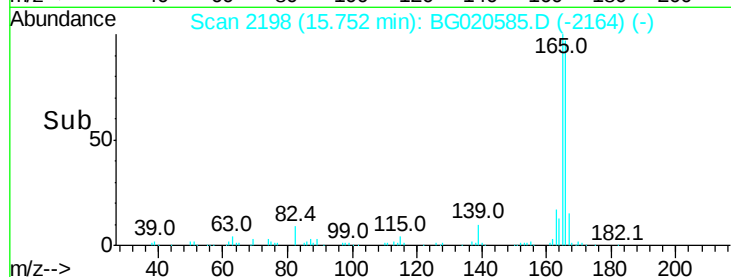
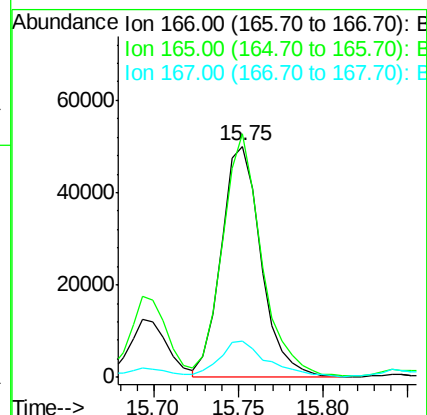
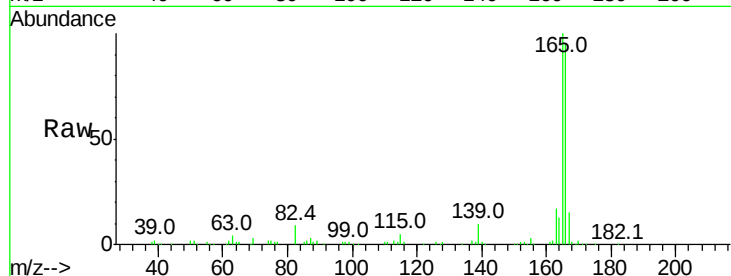
165 105.3 81.4 122.0

167 15.6 11.2 16.8

Manual Integrations
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#70

Phenanthrene

Concen: 58.90 ng/ul

RT: 17.50 min Scan# 2495

Delta R.T. 0.01 min

Lab File: BG020585.D

Acq: 29 Dec 2015 4:59

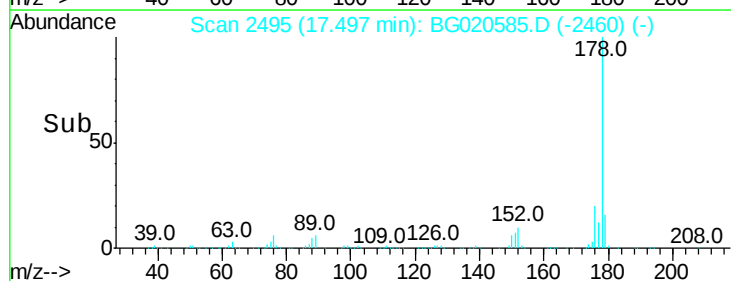
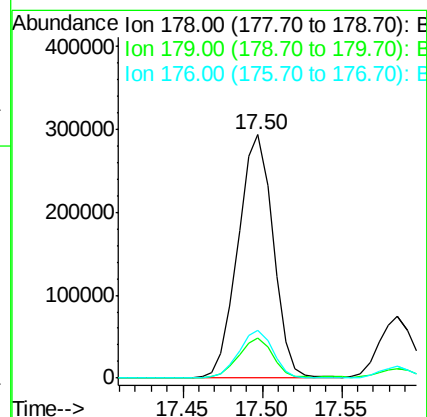
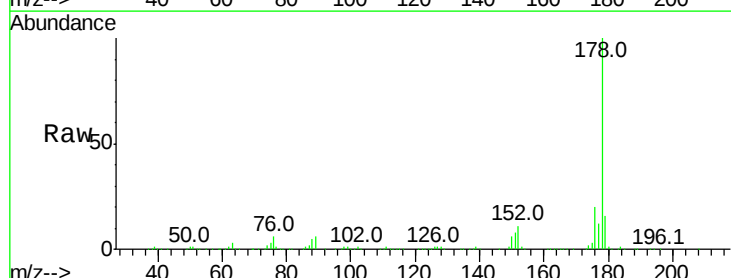
Tgt Ion:178 Resp: 448826

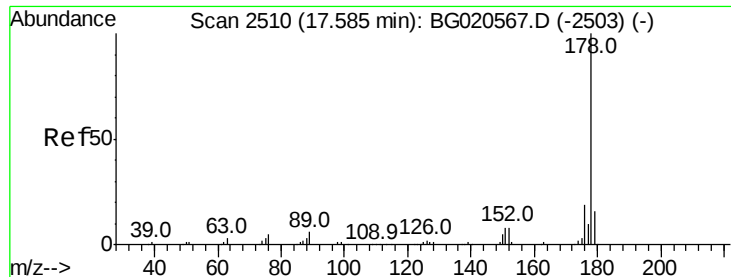
Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

176 19.6 15.3 22.9





#72

Anthracene

Concen: 13.95 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG020585.D

Acq: 29 Dec 2015 4:59

Instrument :

BNA_G

ClientSampleId :

G9D88DL

Tot Ion:178 Resp: 108674

Ion Ratio Lower Upper

178 100

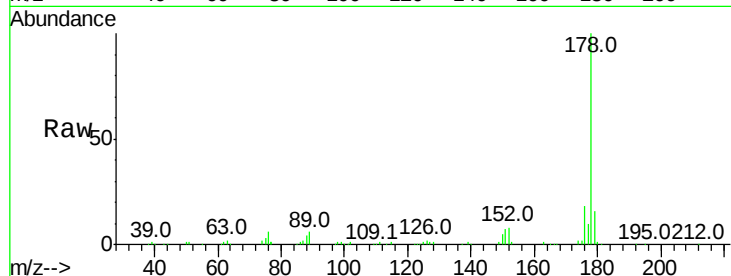
179 15.7 12.3 18.5

176 18.3 14.3 21.5

Manual Integrations
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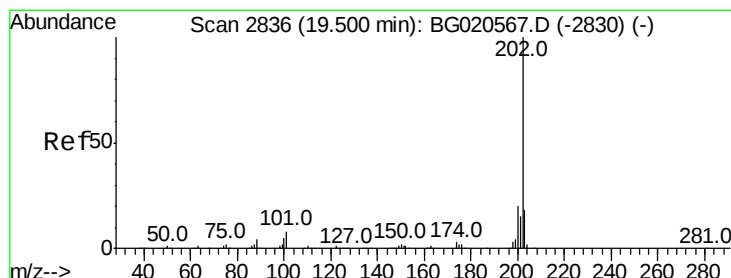
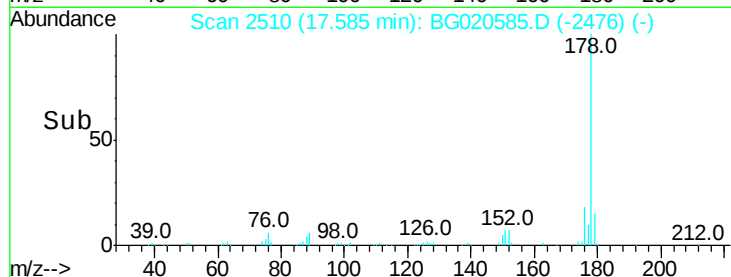
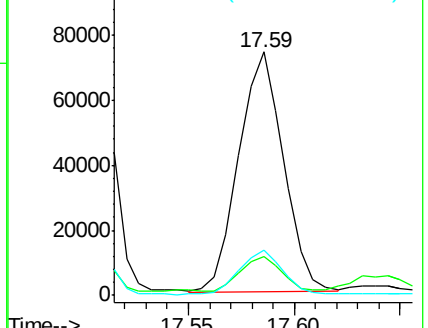
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 14.41 ng/ul

RT: 19.50 min Scan# 2836

Delta R.T. 0.00 min

Lab File: BG020585.D

Acq: 29 Dec 2015 4:59

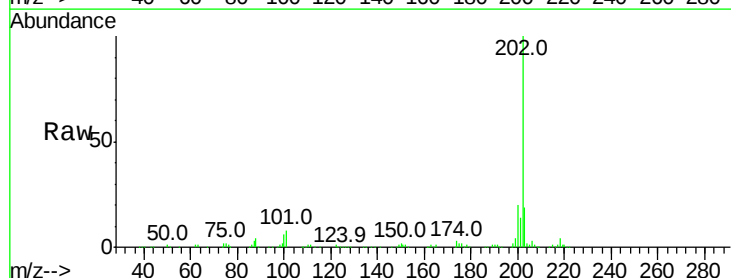
Tgt Ion:202 Resp: 138089

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.4

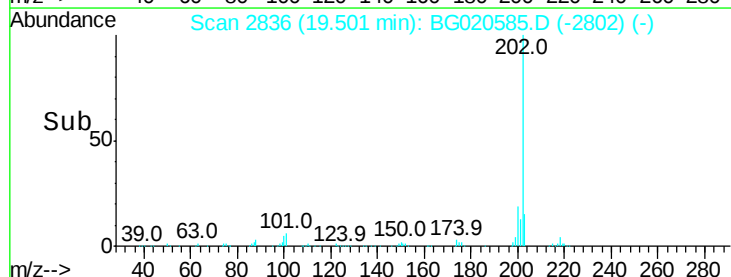
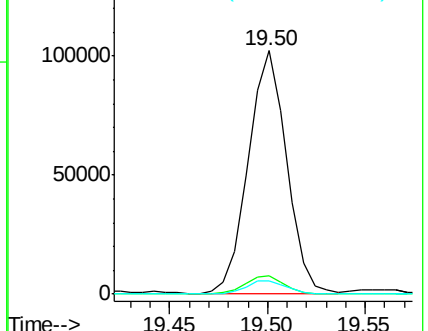
100 5.6 5.1 7.7

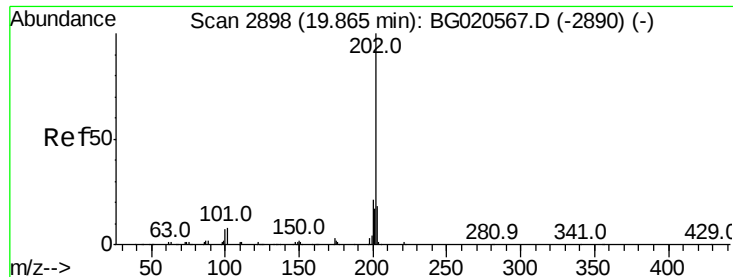


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





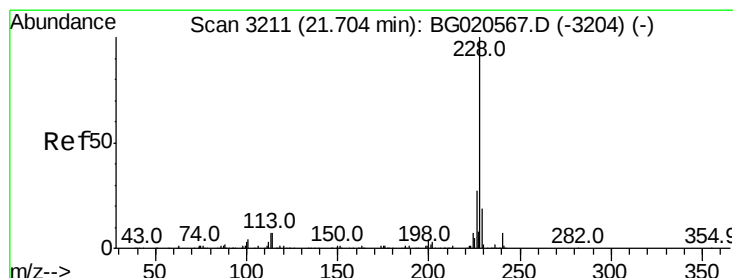
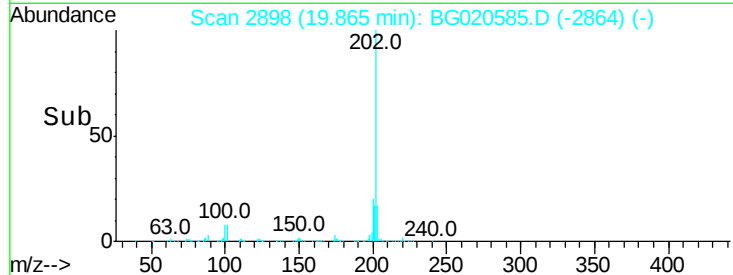
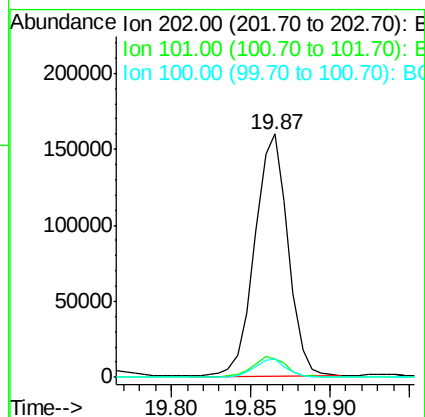
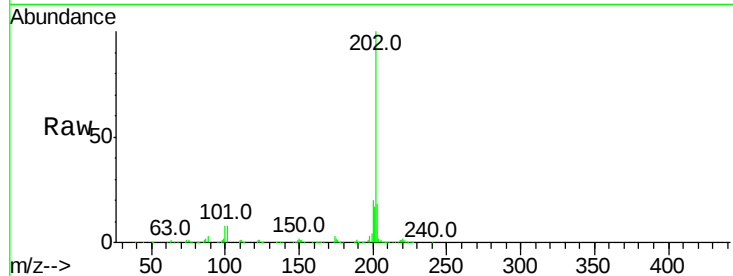
#80
Pvrene
Concen: 24.19 ng/ul
RT: 19.87 min Scan# 2898
Delta R.T. 0.00 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Instrument :
BNA_G
ClientSampleId :
G9D88DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.8	7.0	10.4
100	7.5	6.4	9.6

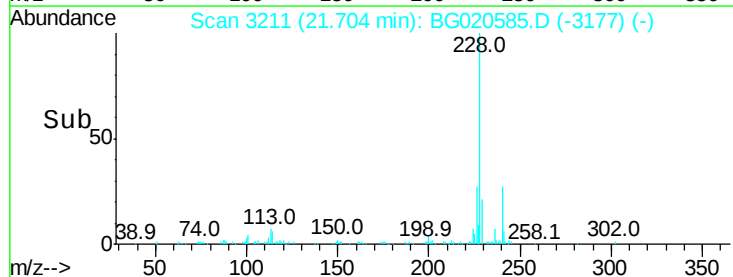
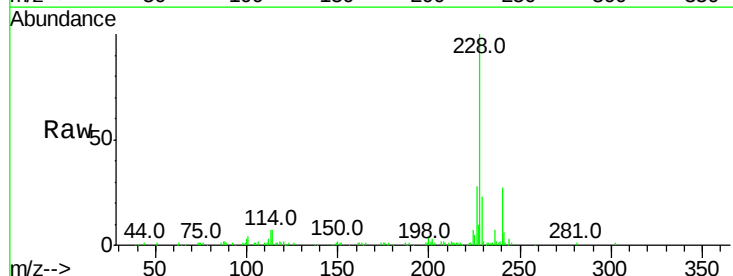
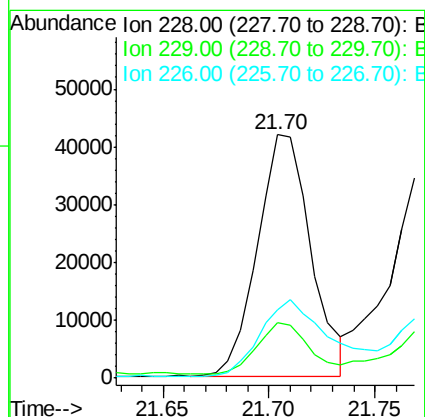
Manual Integrations
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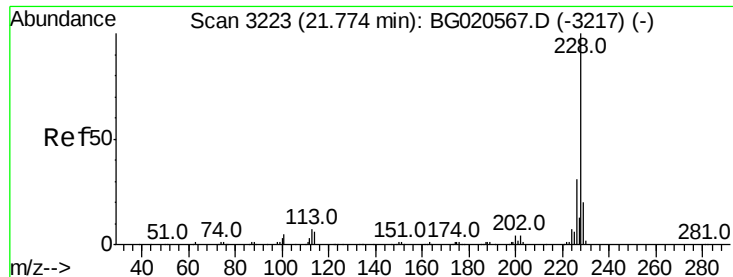
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#83
Benzo(a)anthracene
Concen: 7.37 ng/ul
RT: 21.70 min Scan# 3211
Delta R.T. 0.00 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.6	15.8	23.8
226	28.0	21.8	32.6





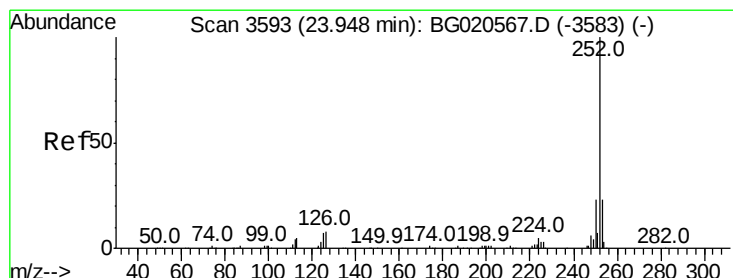
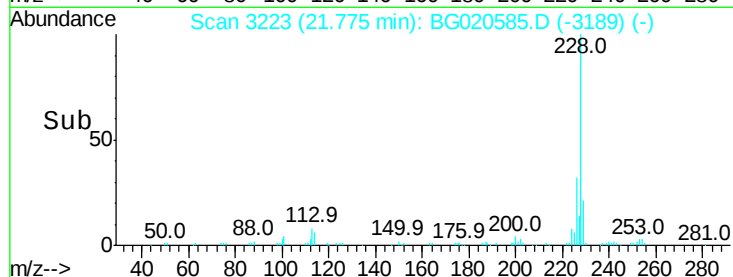
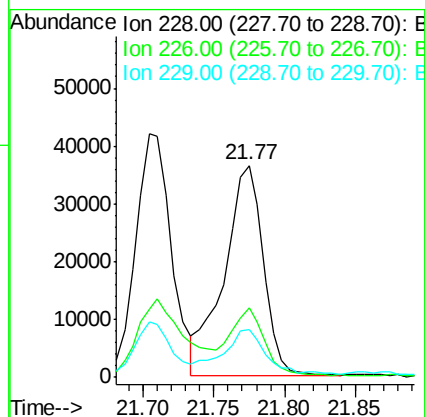
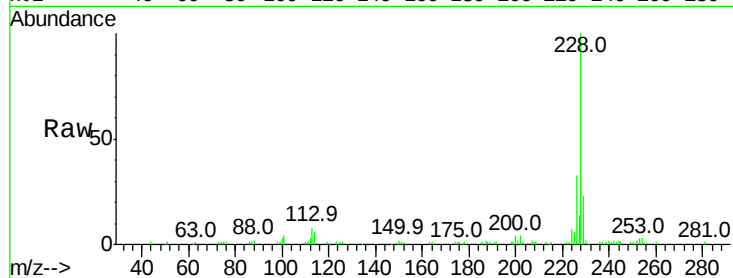
#85
 Chrysene
 Concen: 7.37 ng/ul
 RT: 21.77 min Scan# 3223
 Delta R.T. 0.00 min
 Lab File: BG020585.D
 Acq: 29 Dec 2015 4:59

Instrument :
 BNA_G
 ClientSampleID :
 G9D88DL

Tot Ion:	228	Resp:	70120
Ion Ratio	Lower	Upper	
228	100		
226	32.6	23.9	35.9
229	22.6	15.6	23.4

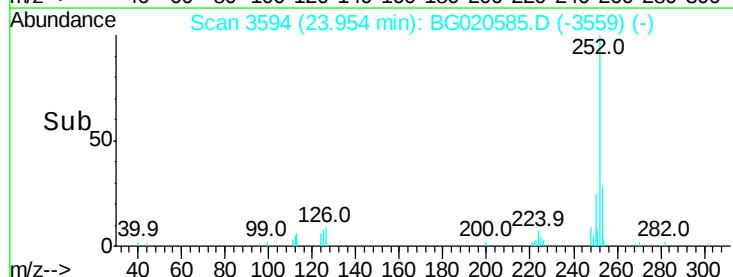
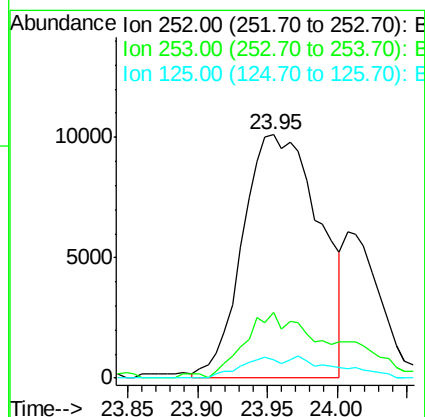
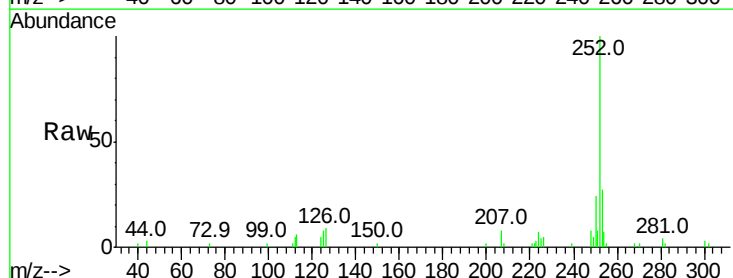
Manual Integrations
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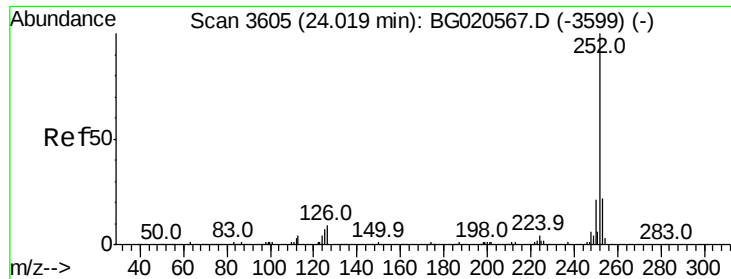
UMANGI
 12/29/2015 4:55:40 PM



#88
 Benzo(b)fluoranthene
 Concen: 3.92 ng/ul m
 RT: 23.95 min Scan# 3594
 Delta R.T. 0.01 min
 Lab File: BG020585.D
 Acq: 29 Dec 2015 4:59

Tgt Ion:	252	Resp:	38704
Ion Ratio	Lower	Upper	
252	100		
253	26.8	16.7	25.1#
125	7.5	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 1.16 ng/ul m

RT: 24.01 min Scan# 3603

Delta R.T. -0.01 min

Lab File: BG020585.D

Acq: 29 Dec 2015 4:59

Instrument :

BNA_G

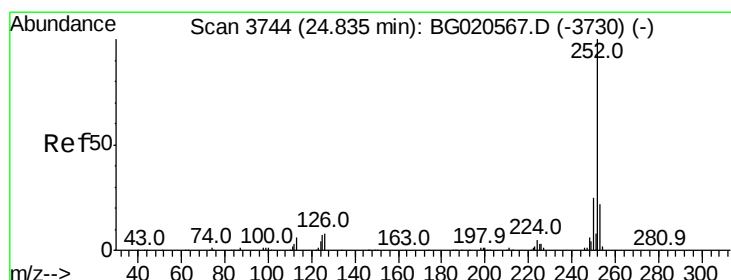
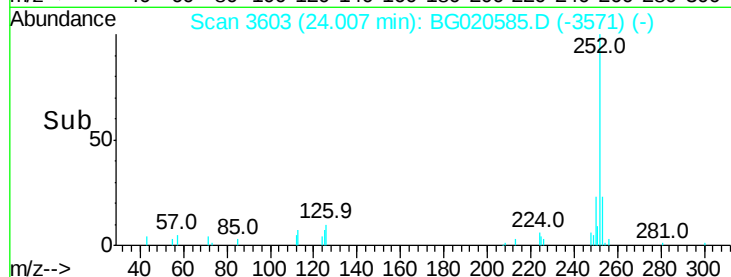
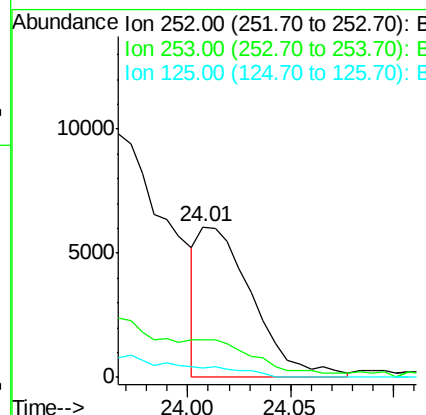
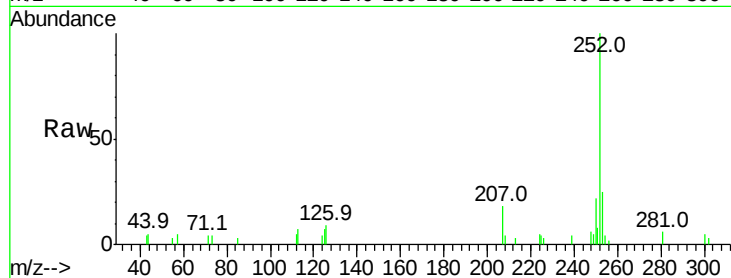
ClientSampleId :

G9D88DL

Tot Ion:	252	Resp:	11076
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	6.5	5.8	8.6

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 4.72 ng/ul

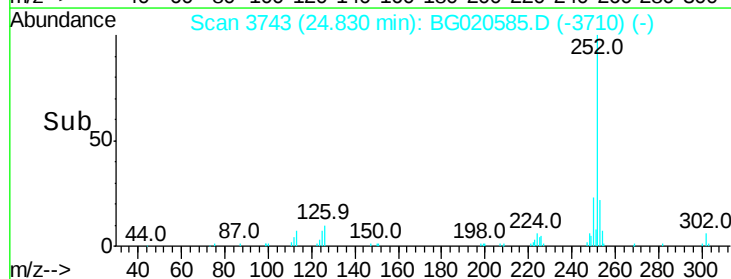
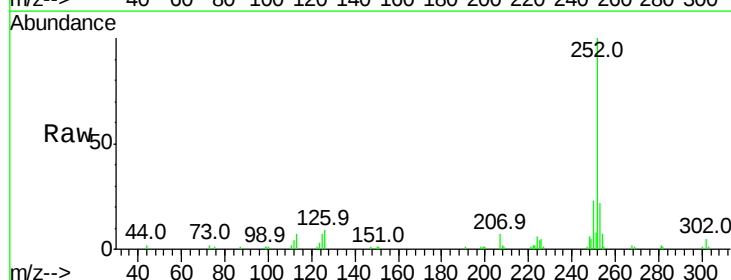
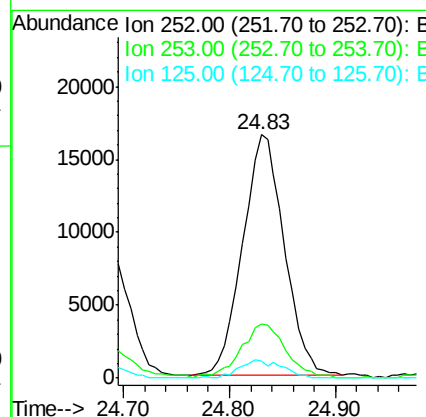
RT: 24.83 min Scan# 3743

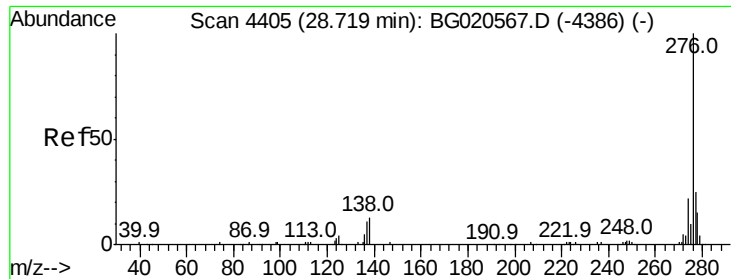
Delta R.T. -0.01 min

Lab File: BG020585.D

Acq: 29 Dec 2015 4:59

Tgt Ion:	252	Resp:	44842
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.4
125	7.3	6.2	9.4





#92

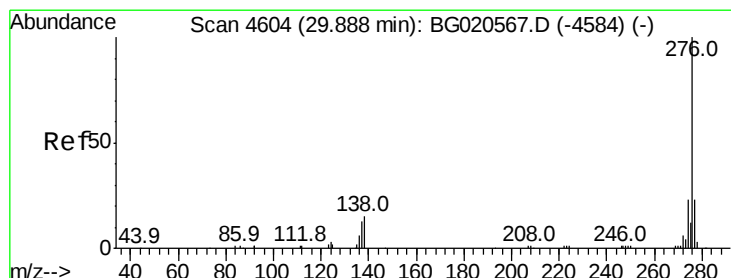
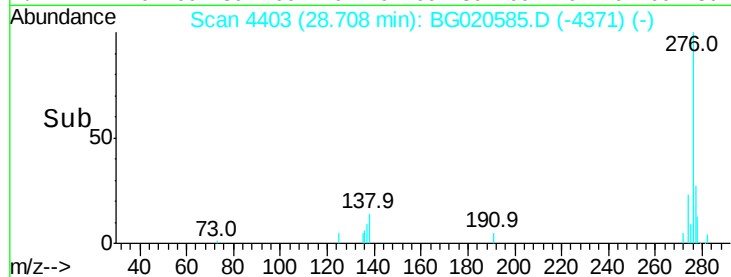
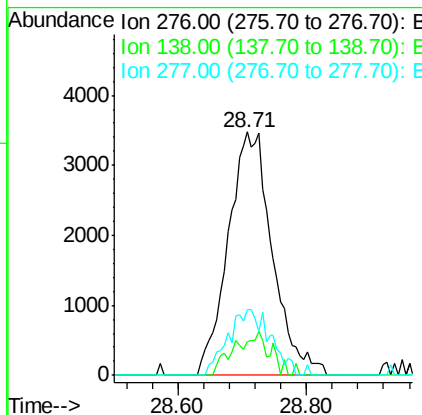
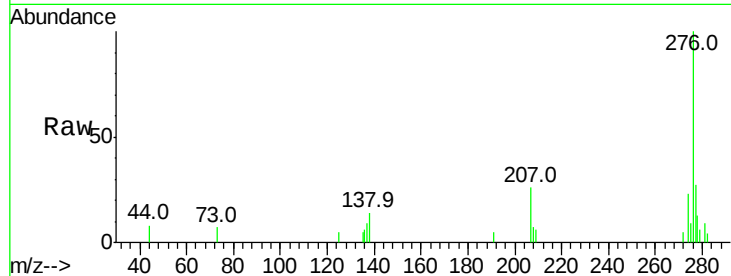
Indeno(1,2,3-cd)pyrene
Concen: 1.45 ng/ul m
RT: 28.71 min Scan# 4403
Delta R.T. -0.01 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Instrument :
BNA_G
ClientSampleId :
G9D88DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	11.4	17.0
277	27.0	17.4	26.0#

Manual Integrations
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12/29/2015 4:55:40 PM



#94

Benzo(g,h,i)perylene
Concen: 1.96 ng/ul m
RT: 29.89 min Scan# 4604
Delta R.T. 0.00 min
Lab File: BG020585.D
Acq: 29 Dec 2015 4:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	10.8	16.2#
277	27.5	19.9	29.9

