

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020458.D
 Acq On : 24 Dec 2015 00:43
 Operator : UM/SJ
 Sample : G4767-22MEDL 30X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44MEDL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:31:37 PM

Quant Time: Dec 24 06:07:28 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	15904	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	68853	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	48747	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	129627	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	167283	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	158142	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	7.25	99	714m	0.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	380	0.45	ng/ul	0.01
9) 2-Chlorophenol-d4	7.62	132	463m	0.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	311	0.26	ng/ul	0.01
19) Nitrobenzene-d5	9.26	128	156	0.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	54	0.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	766m	0.63	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	583	0.43	ng/ul	0.02
44) Dimethylphthalate-d6	14.11	166	2984	0.76	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	3852	0.84	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	3177	0.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	5558	0.93	ng/ul	0.00
79) Pyrene-d10	19.84	212	5839	0.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	6199	0.79	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	155580	43.27	ng/ul	99
34) 2-Methylnaphthalene	12.55	142	48949	17.82	ng/ul	100
41) 1,1'-Biphenyl	13.55	154	19968	5.43	ng/ul#	94
48) Acenaphthylene	14.44	152	7282	1.49	ng/ul	95
50) Acenaphthene	14.78	153	91421	27.88	ng/ul	99
54) Dibenzofuran	15.11	168	95887	19.66	ng/ul	98
59) Fluorene	15.76	166	89560	22.86	ng/ul	98
70) Phenanthrene	17.50	178	443858	62.60	ng/ul	100
72) Anthracene	17.59	178	29075	4.04	ng/ul	97
75) Carbazole	17.86	167	16868	2.79	ng/ul	98
77) Fluoranthene	19.51	202	276729	33.39	ng/ul	98
80) Pyrene	19.87	202	182991	18.07	ng/ul	97
83) Benzo(a)anthracene	21.72	228	42323	4.34	ng/ul	97
85) Chrysene	21.78	228	36731m	4.00	ng/ul	
88) Benzo(b)fluoranthene	23.96	252	19652	2.06	ng/ul	98
91) Benzo(a)pyrene	24.84	252	11453	1.27	ng/ul	96

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

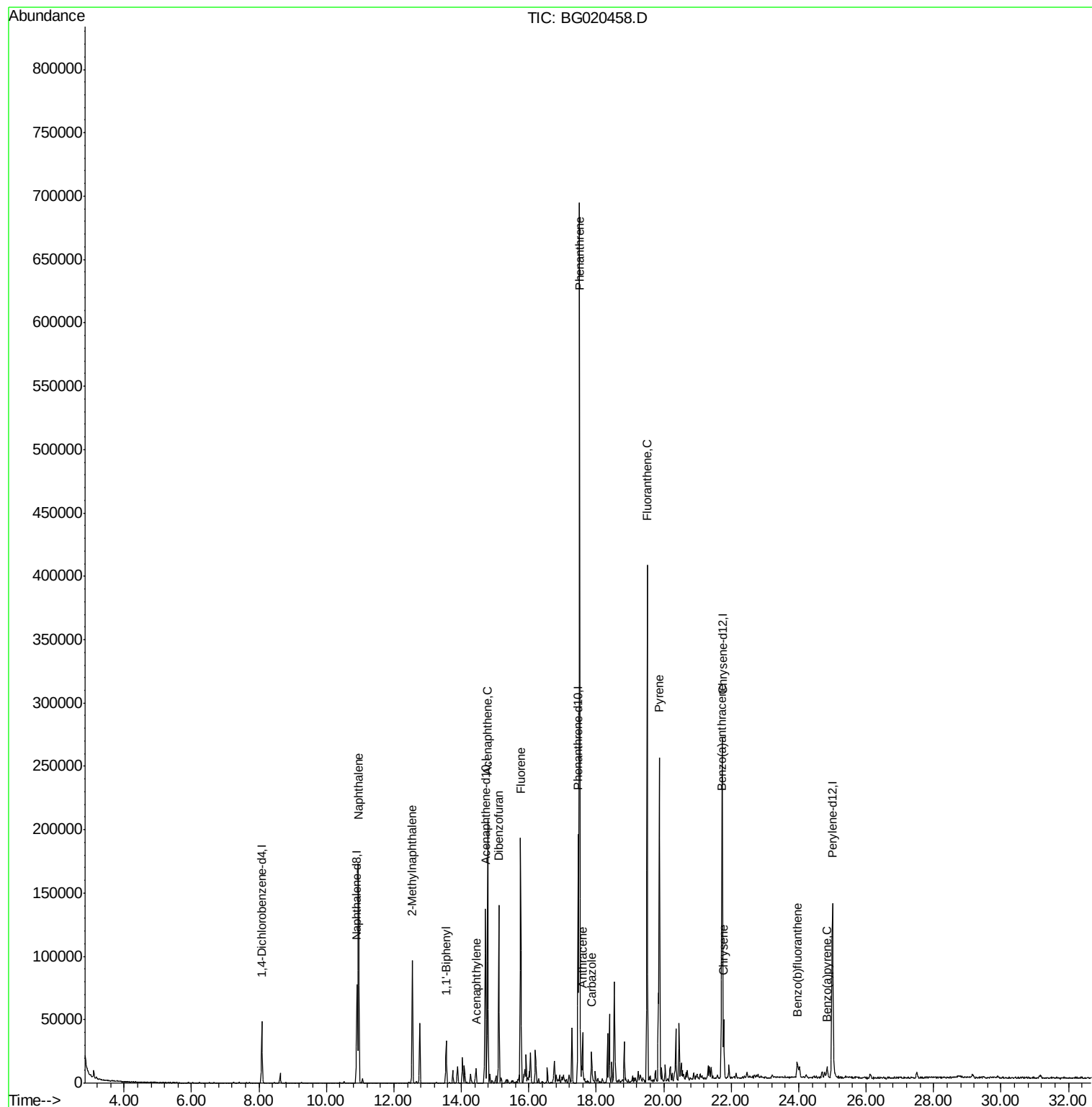
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020458.D
Acq On : 24 Dec 2015 00:43
Operator : UM/SJ
Sample : G4767-22MEDL 30X
Misc :
ALS Vial : 48 Sample Multiplier: 1

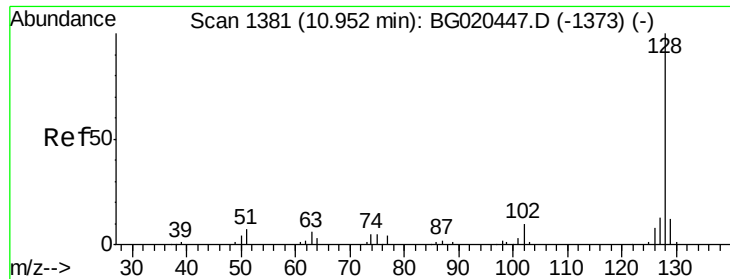
Instrument :
BNA_G
ClientSampleId :
D9N44MEDL

Manual Integrations
APPROVED

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12/24/2015 5:31:37 PM

Quant Time: Dec 24 06:07:28 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





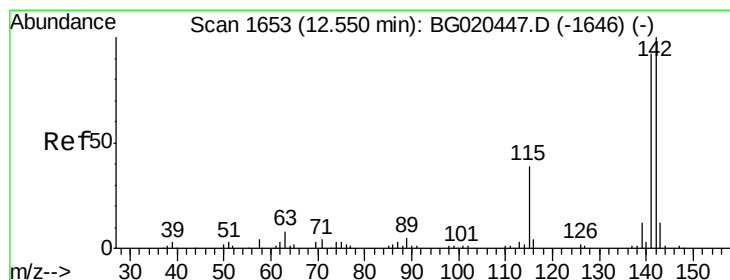
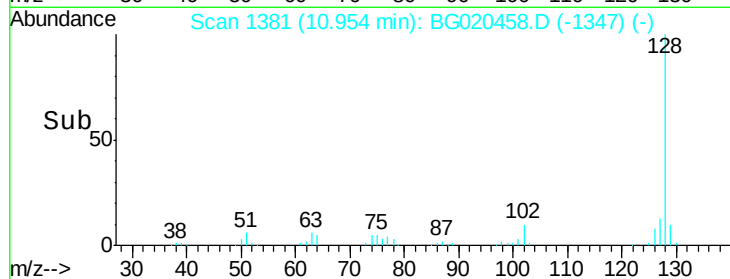
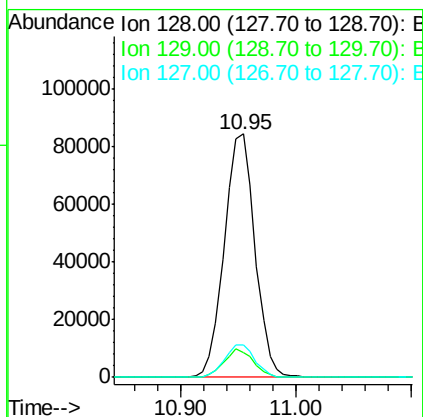
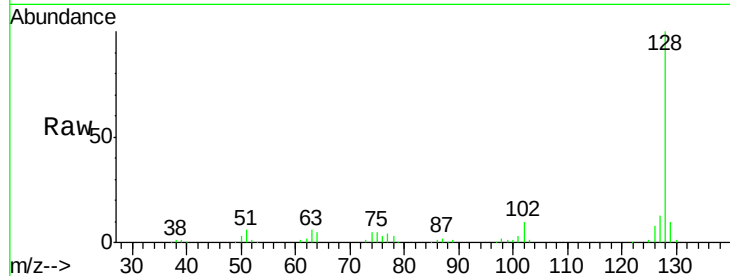
#28
Naphthalene
Concen: 43.27 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020458.D
Acq: 24 Dec 2015 00:43

Instrument :
BNA_G
ClientSampleId :
D9N44MEDL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.6	12.8
127	13.1	10.1	15.1

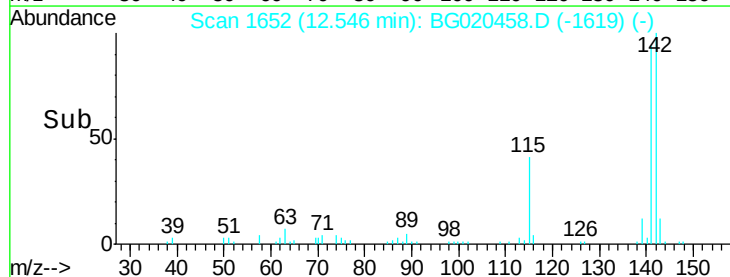
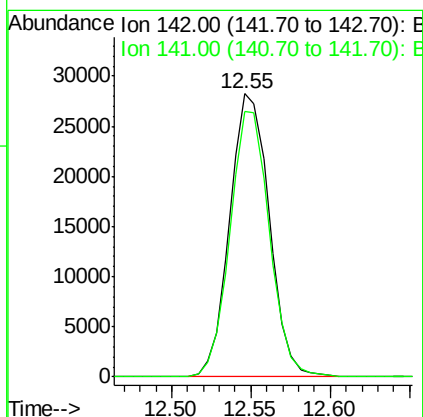
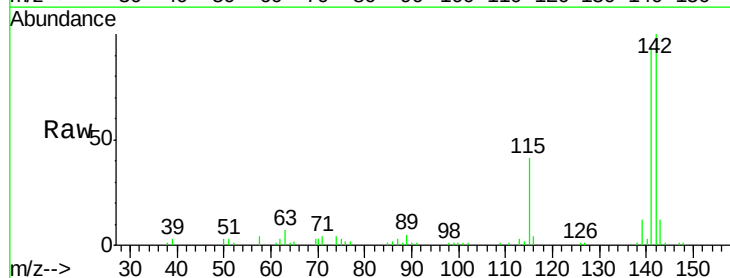
Manual Integrations
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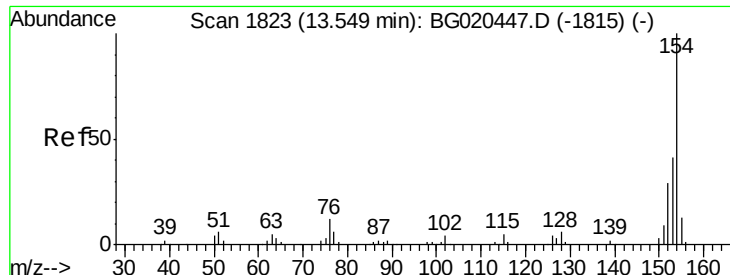
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#34
2-Methylnaphthalene
Concen: 17.82 ng/ul
RT: 12.55 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BG020458.D
Acq: 24 Dec 2015 00:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.9	112.3





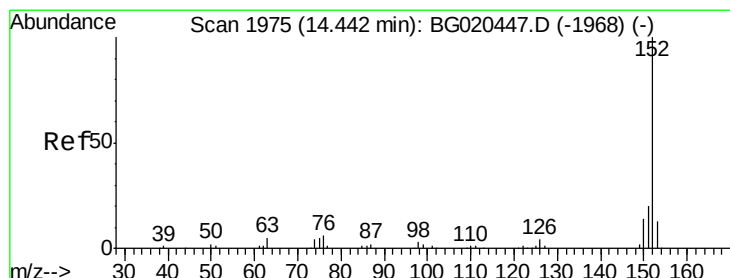
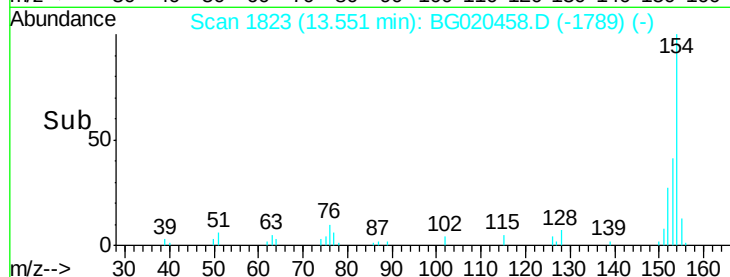
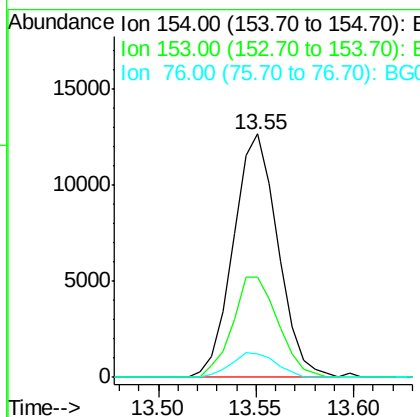
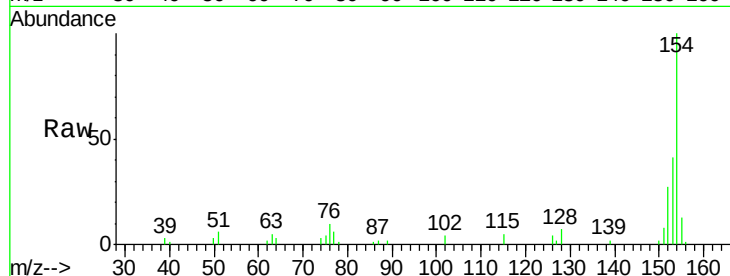
#41
 1,1'-Biphenyl
 Concen: 5.43 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

Instrument :
 BNA_G
 ClientSampleId :
 D9N44MEDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.1	35.5	53.3
76	9.6	10.4	15.6

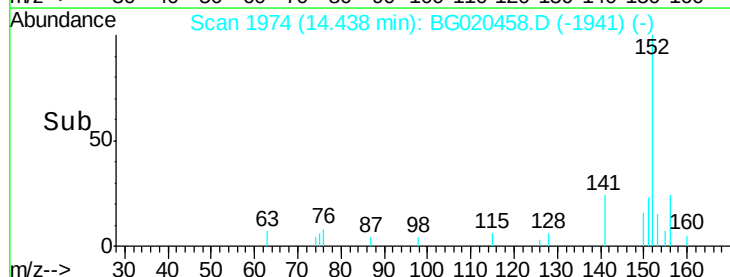
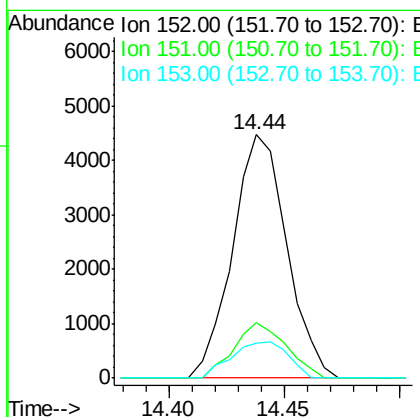
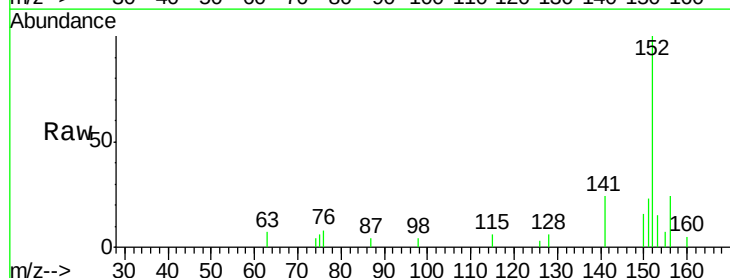
Manual Integrations
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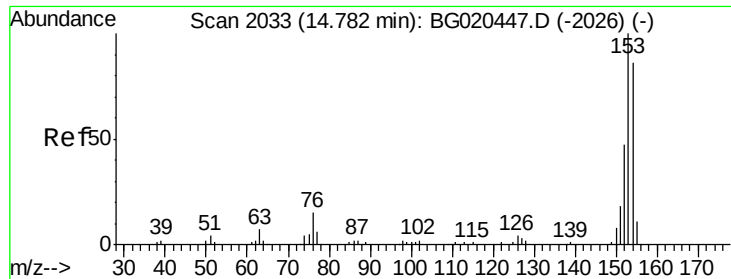
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#48
 Acenaphthylene
 Concen: 1.49 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.4	24.6
153	14.5	10.4	15.6





#50

Acenaphthene

Concen: 27.88 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

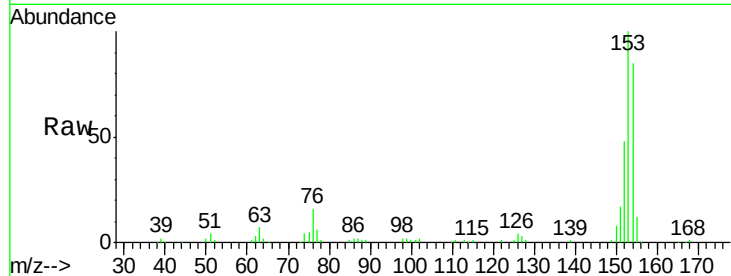
ClientSampleId :

D9N44MEDL

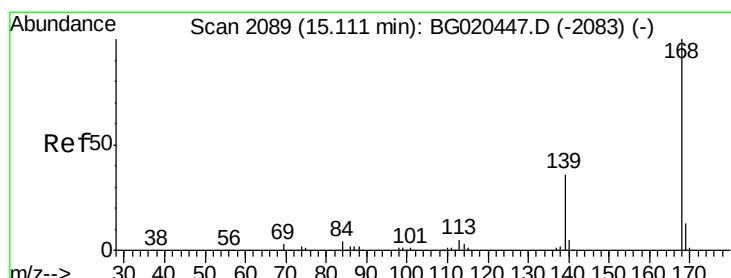
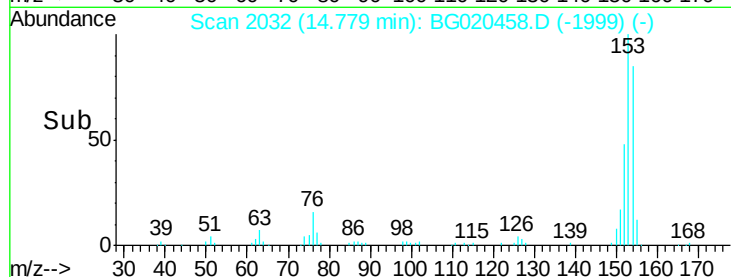
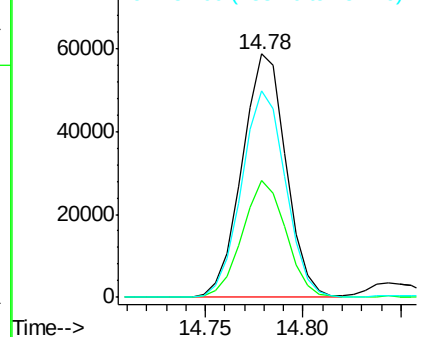
Tot Ion:	153	Resp:	91421
Ion Ratio	Lower	Upper	
153	100		
152	48.2	37.6	56.4
154	84.6	67.9	101.9

Manual Integrations
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 19.66 ng/ul

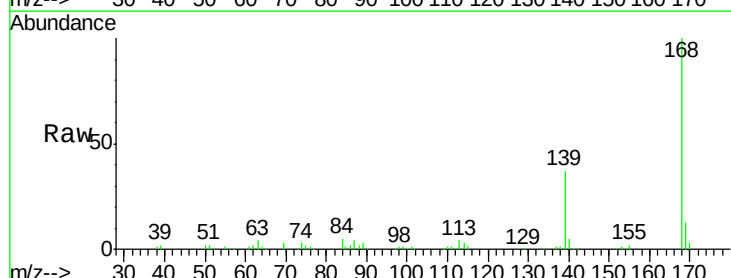
RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

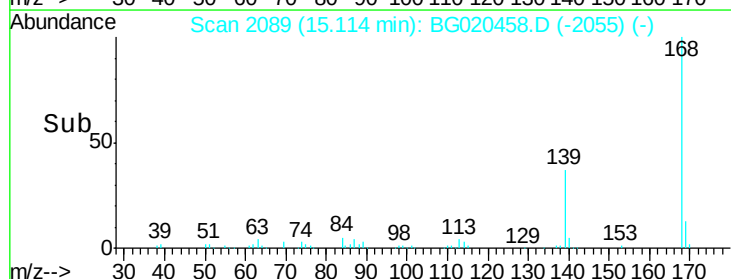
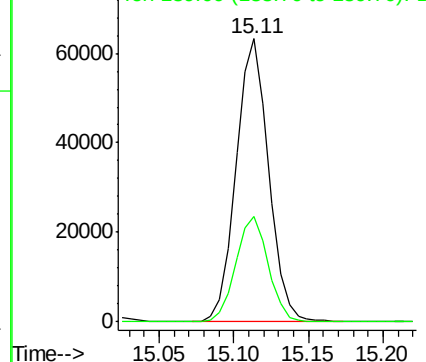
Lab File: BG020458.D

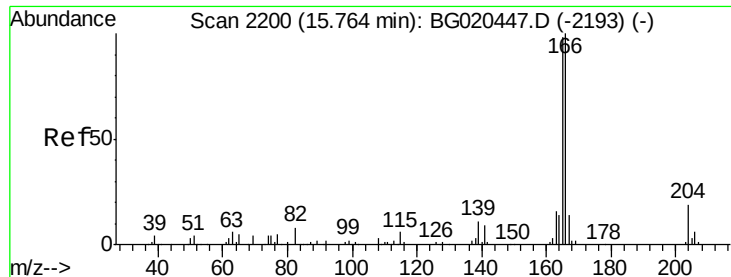
Acq: 24 Dec 2015 00:43

Tgt Ion:	168	Resp:	95887
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.5	45.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 22.86 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

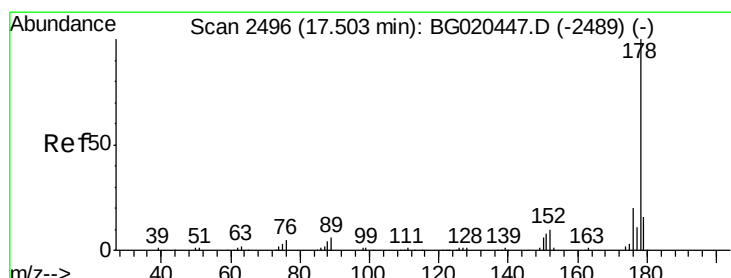
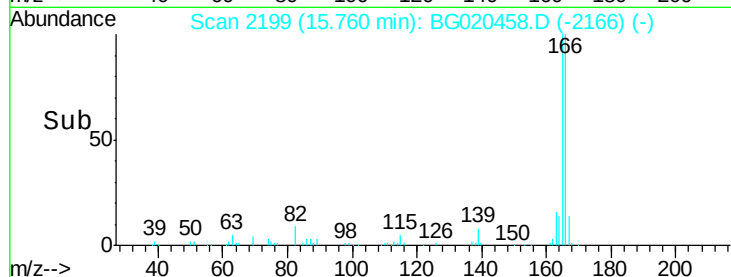
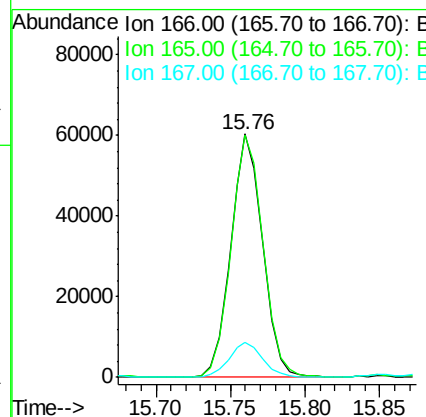
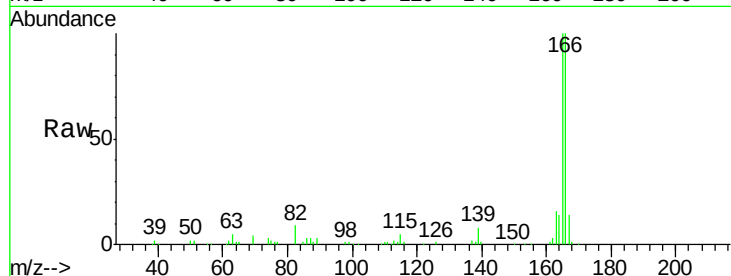
ClientSampleId :

D9N44MEDL

Tot Ion:	166	Resp:	89560
Ion Ratio	Lower	Upper	
166	100		
165	99.6	81.4	122.0
167	14.4	11.2	16.8

Manual Integrations
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#70

Phenanthrene

Concen: 62.60 ng/ul

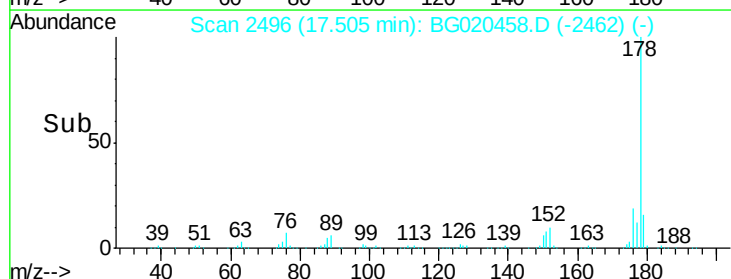
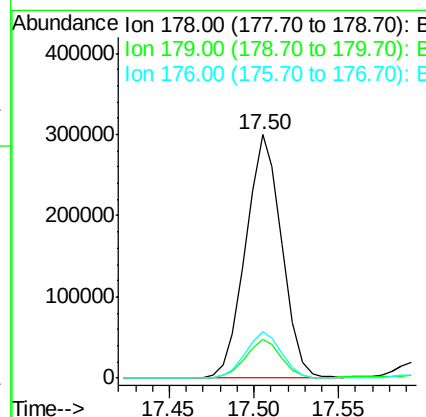
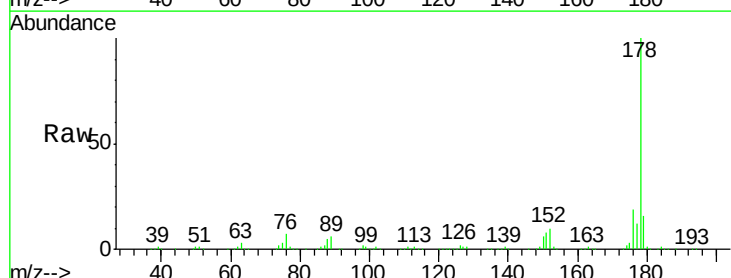
RT: 17.50 min Scan# 2496

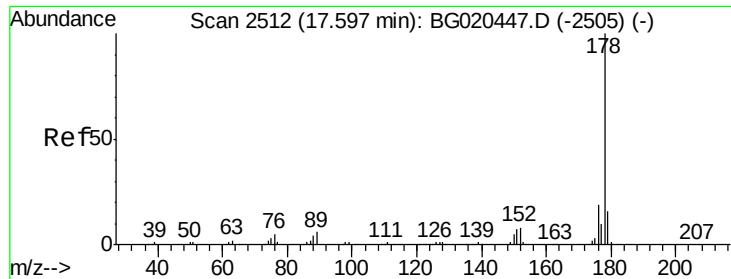
Delta R.T. 0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Tgt Ion:	178	Resp:	443858
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.9	19.3
176	19.2	15.3	22.9





#72

Anthracene

Concen: 4.04 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

ClientSampleId :

D9N44MEDL

Tot Ion:178 Resp: 29075

Ion Ratio Lower Upper

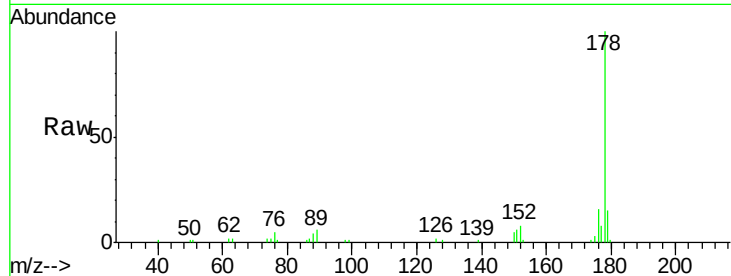
178 100

179 14.6 12.3 18.5

176 16.3 14.3 21.5

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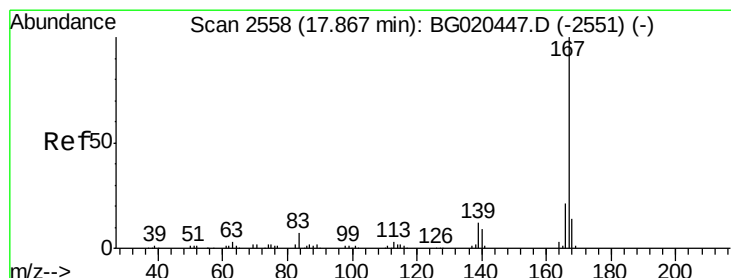
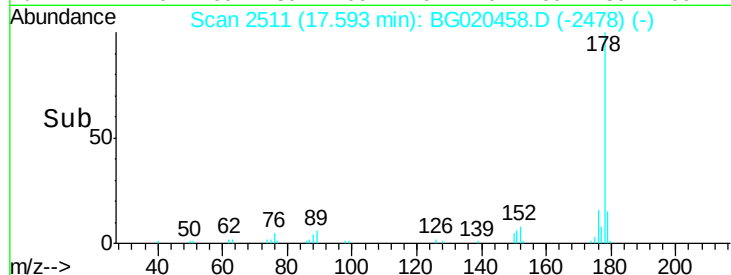
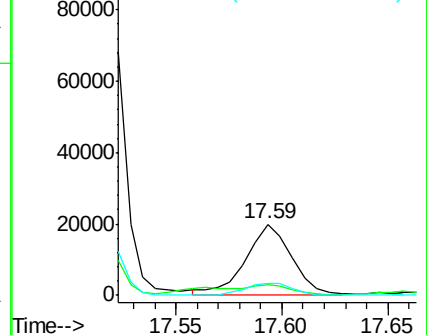
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 2.79 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

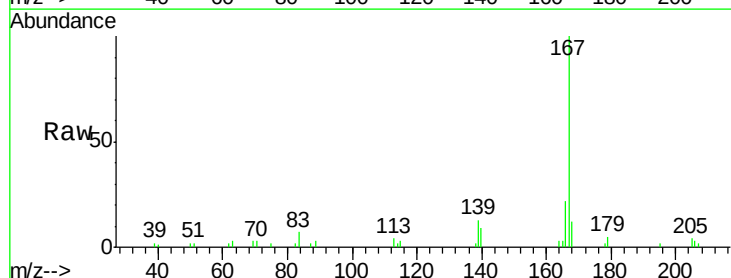
Tgt Ion:167 Resp: 16868

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

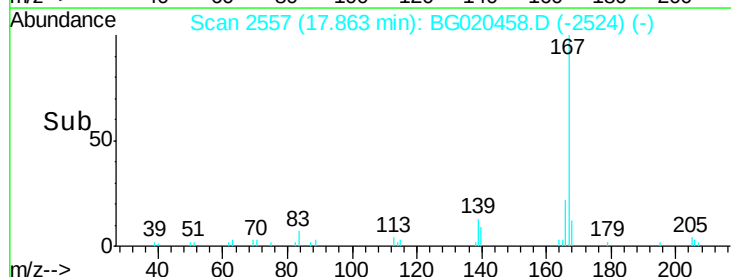
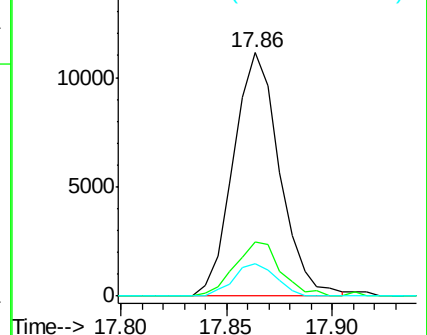
139 13.1 10.1 15.1

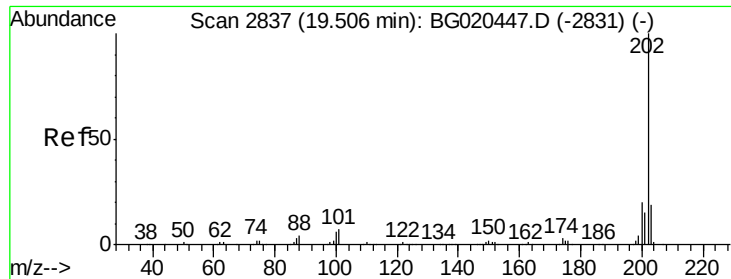


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 33.39 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

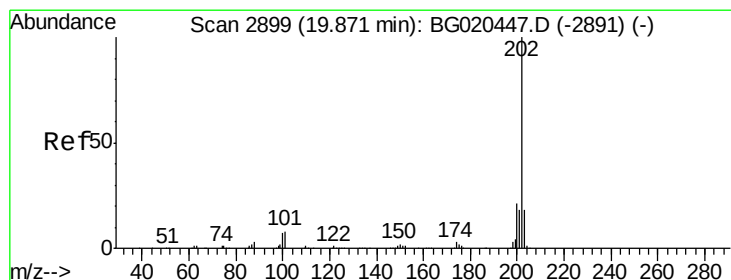
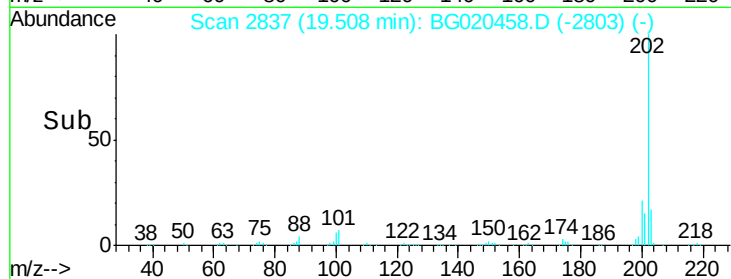
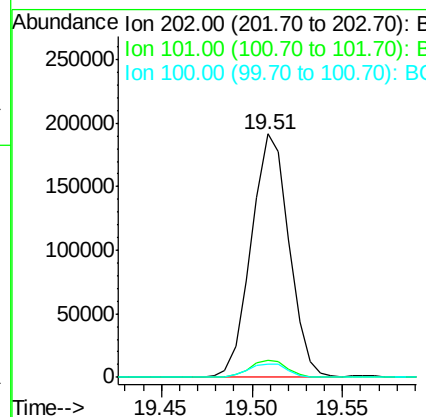
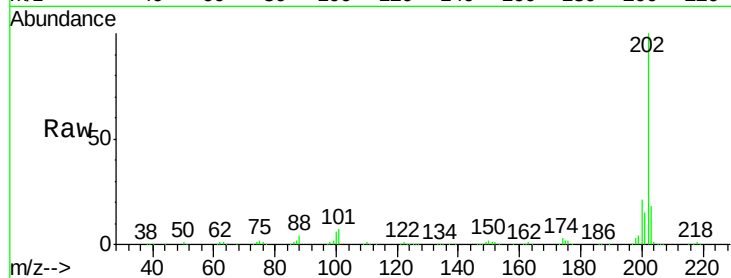
ClientSampleId :

D9N44MEDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		276729		
101	7.1	6.2	9.4		
100	5.5	5.1	7.7		

Manual Integrations
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#80

Pyrene

Concen: 18.07 ng/ul

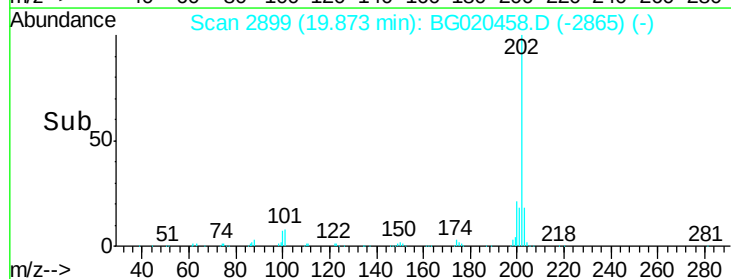
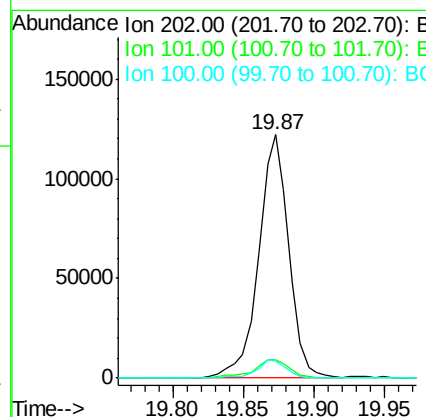
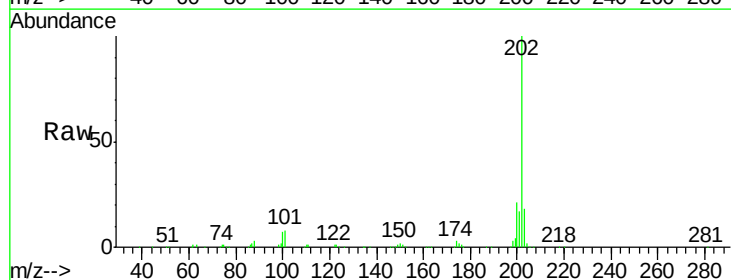
RT: 19.87 min Scan# 2899

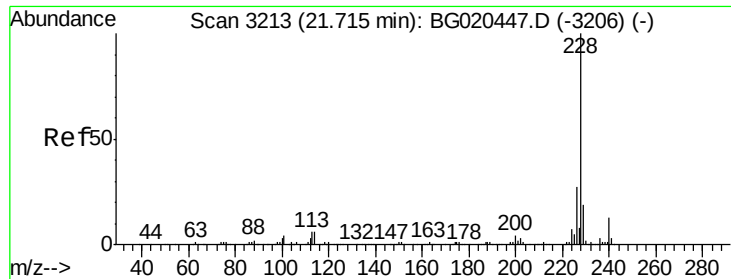
Delta R.T. 0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		182991		
101	7.7	7.0	10.4		
100	7.1	6.4	9.6		





#83

Benzo(a)anthracene

Concen: 4.34 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. 0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

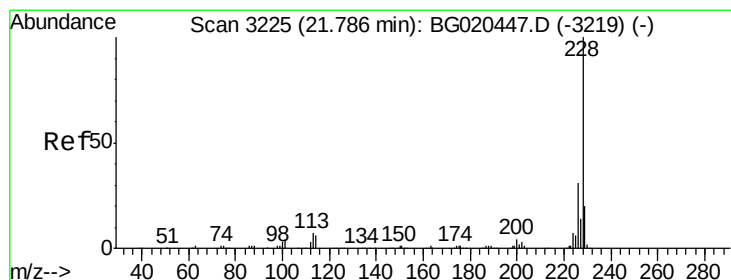
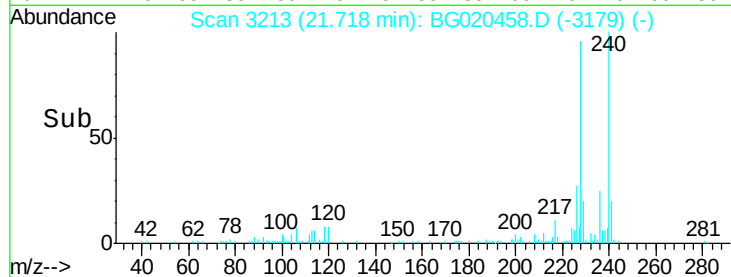
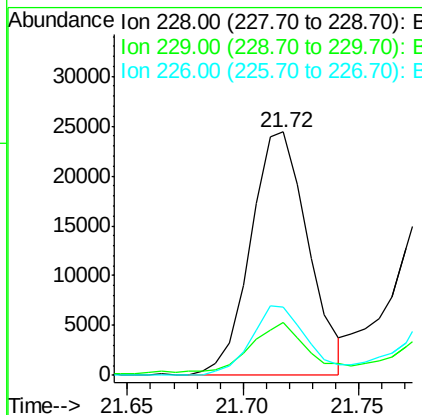
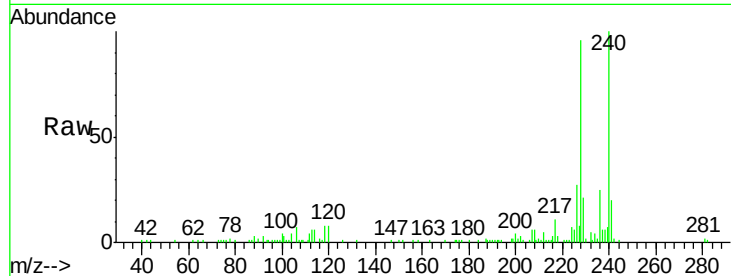
ClientSampleId :

D9N44MEDL

Tot Ion:	228	Resp:	42323
Ion Ratio	Lower	Upper	
228	100		
229	21.7	15.8	23.8
226	28.2	21.8	32.6

Manual Integrations
APPROVED

Sohil
12/24/2015 5:31:37 PM



#85

Chrysene

Concen: 4.00 ng/ul m

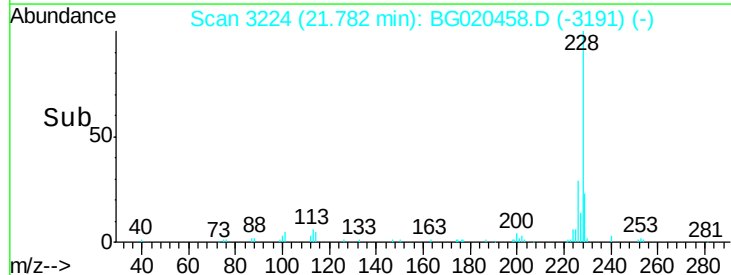
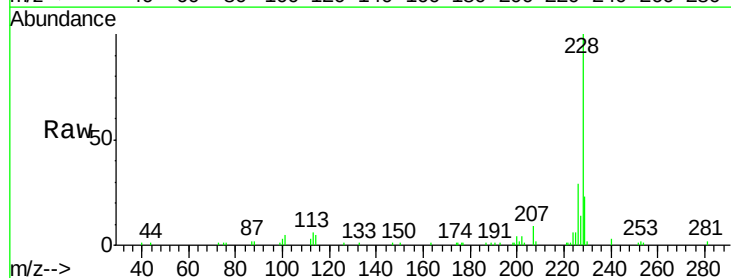
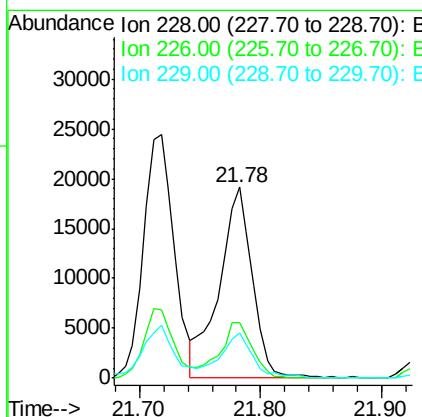
RT: 21.78 min Scan# 3224

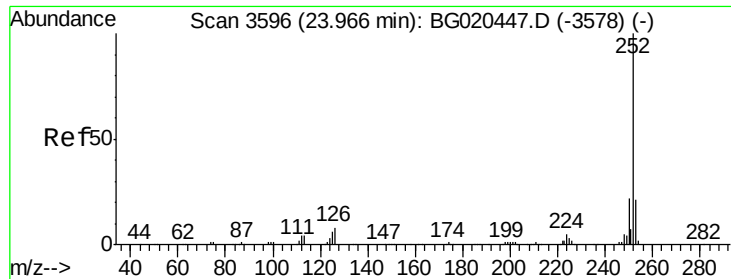
Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Tgt Ion:	228	Resp:	36731
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.9	35.9
229	23.5	15.6	23.4#





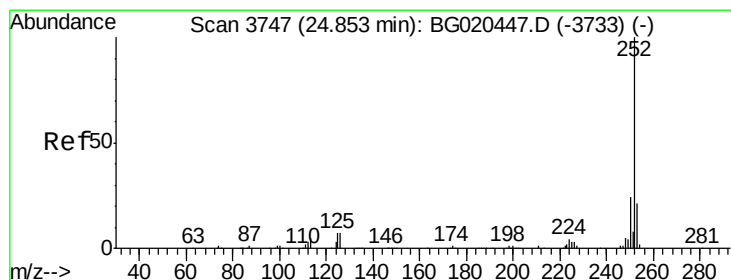
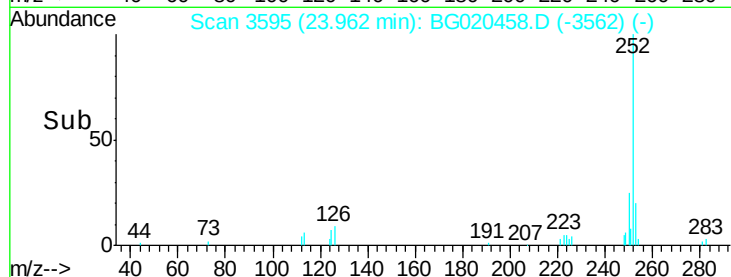
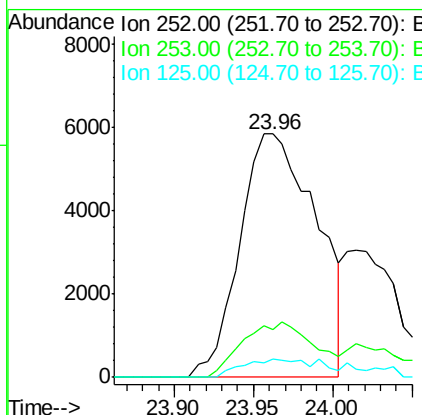
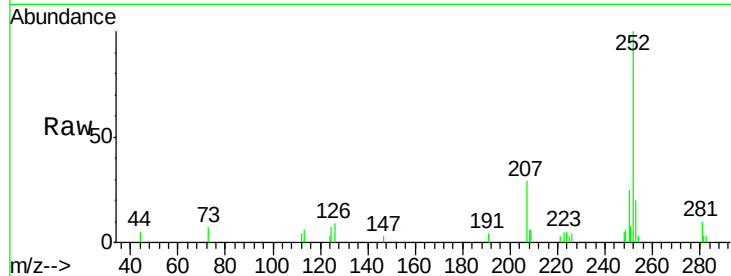
#88
Benzo(b)fluoranthene
Concen: 2.06 ng/ul
RT: 23.96 min Scan# 3595
Delta R.T. -0.00 min
Lab File: BG020458.D
Acq: 24 Dec 2015 00:43

Instrument :
BNA_G
ClientSampleId :
D9N44MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.8	16.7	25.1
125	7.4	6.2	9.2

Manual Integrations
APPROVED

Sohil
12/24/2015 5:31:37 PM



#91
Benzo(a)pyrene
Concen: 1.27 ng/ul
RT: 24.84 min Scan# 3745
Delta R.T. -0.01 min
Lab File: BG020458.D
Acq: 24 Dec 2015 00:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.4
125	8.1	6.2	9.4

