

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020464.D
 Acq On : 24 Dec 2015 4:40
 Operator : UM/SJ
 Sample : G4848-17MEDL 10X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63MEDL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:31:25 PM

Quant Time: Dec 24 07:03:59 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	17965	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	79242	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	57874	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	142025	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	176271	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	167757	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	1936m	1.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	1110	1.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	1601	1.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1359	1.00	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	882	1.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	856m	1.25	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.52	165	1789	1.28	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1562	1.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	8525	1.82	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	9823	1.80	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	7992	1.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	120	0.14	ng/ul	0.00
71) Anthracene-d10	17.56	188	13215m	2.02	ng/ul	0.00
79) Pyrene-d10	19.84	212	15138	1.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	15261	1.82	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	51441	12.43	ng/ul	98
34) 2-Methylnaphthalene	12.55	142	22007	6.96	ng/ul	93
41) 1,1'-Biphenyl	13.55	154	9738	2.23	ng/ul#	94
50) Acenaphthene	14.78	153	49625	12.75	ng/ul	99
54) Dibenzofuran	15.11	168	50188	8.67	ng/ul	99
59) Fluorene	15.76	166	49268	10.59	ng/ul	99
70) Phenanthrene	17.50	178	272828	35.12	ng/ul	100
72) Anthracene	17.59	178	25054	3.18	ng/ul	99
75) Carbazole	17.87	167	11638m	1.76	ng/ul	
77) Fluoranthene	19.51	202	180279	19.86	ng/ul	96
80) Pyrene	19.87	202	120250	11.27	ng/ul	98
83) Benzo(a)anthracene	21.72	228	28263	2.75	ng/ul	97
85) Chrysene	21.78	228	25031m	2.58	ng/ul	
88) Benzo(b)fluoranthene	23.97	252	12680m	1.26	ng/ul	

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

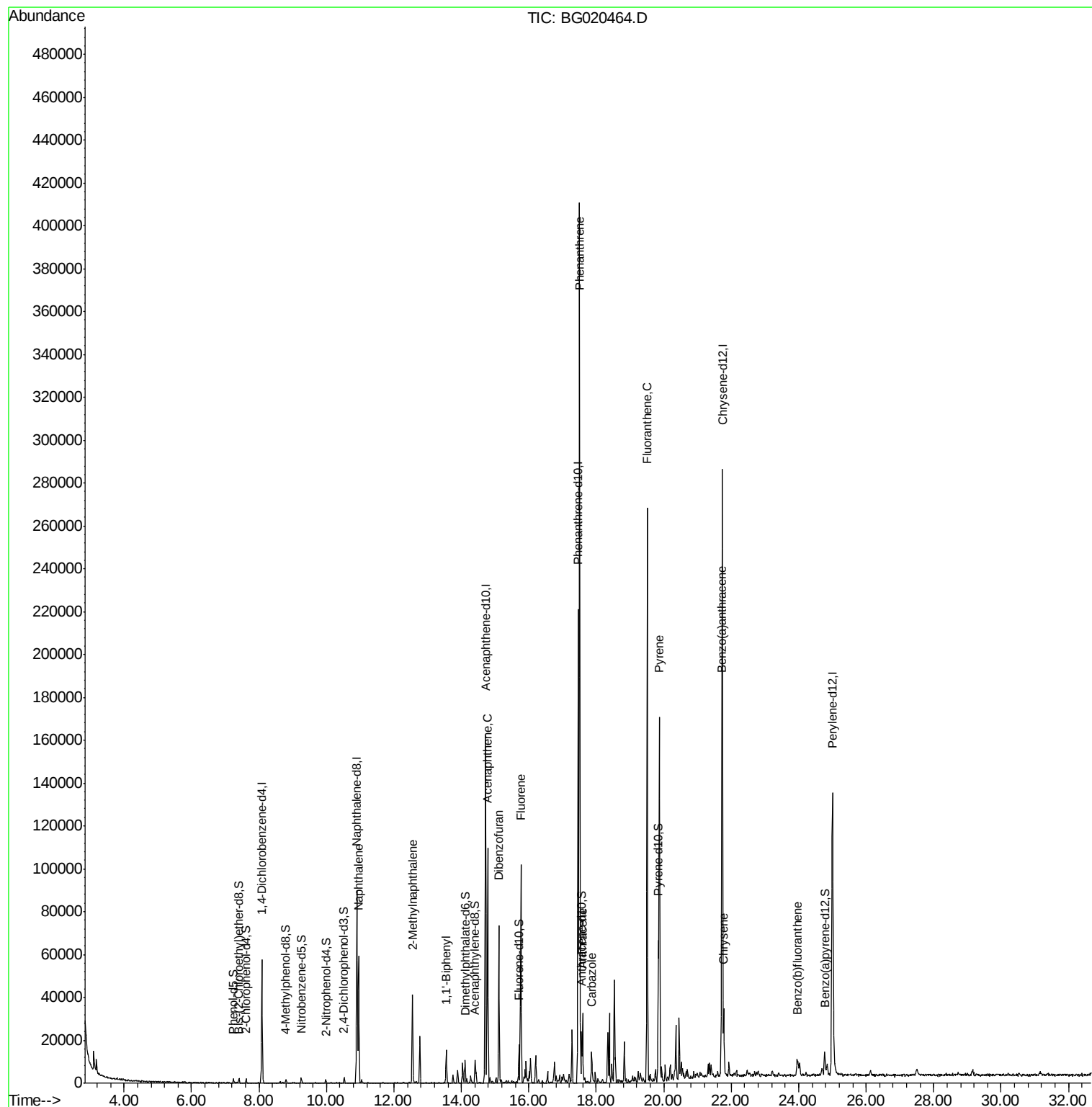
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020464.D
Acq On : 24 Dec 2015 4:40
Operator : UM/SJ
Sample : G4848-17MEDL 10X
Misc :
ALS Vial : 54 Sample Multiplier: 1

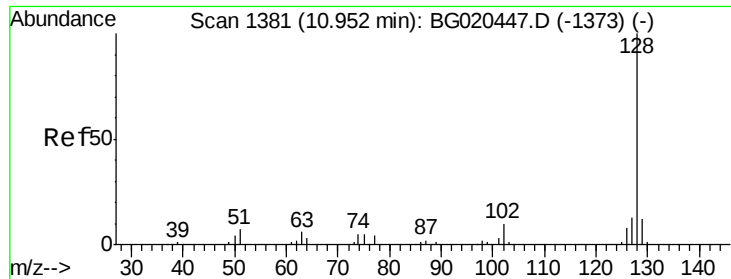
Instrument :
BNA_G
ClientSampleId :
D9N63MEDL

Manual Integrations
APPROVED

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Quant Time: Dec 24 07:03:59 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





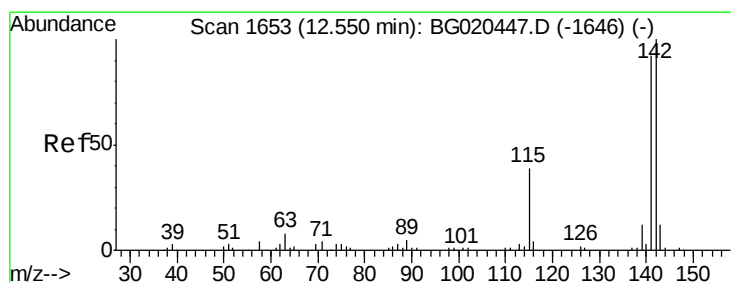
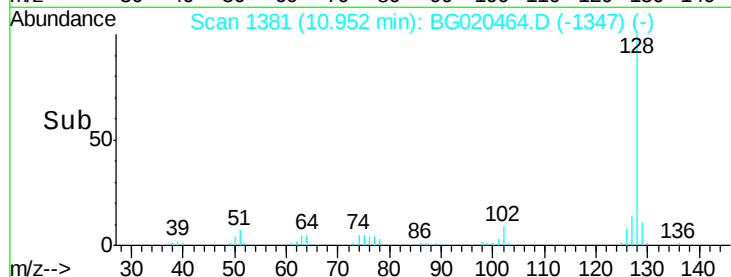
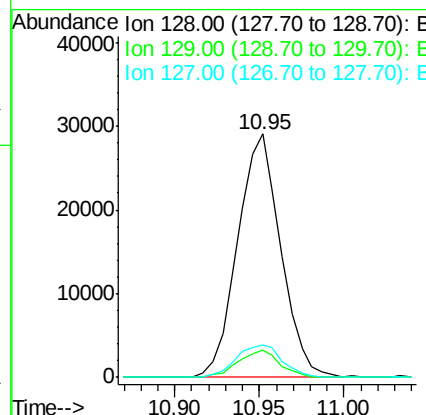
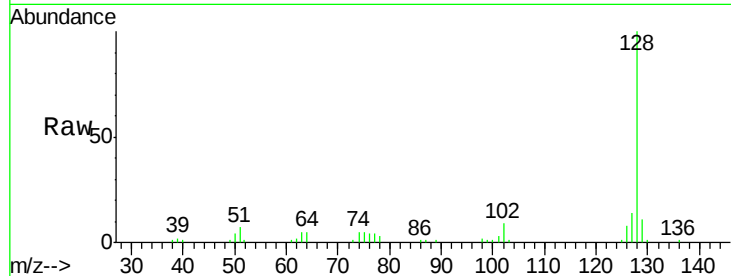
#28
Naphthalene
Concen: 12.43 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Instrument :
BNA_G
ClientSampleId :
D9N63MEDL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.6	10.1	15.1

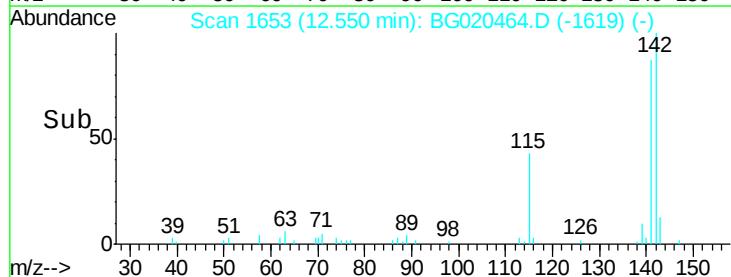
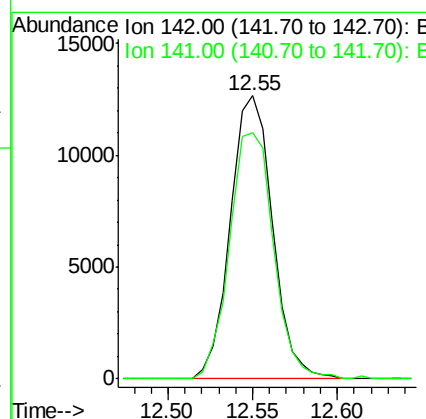
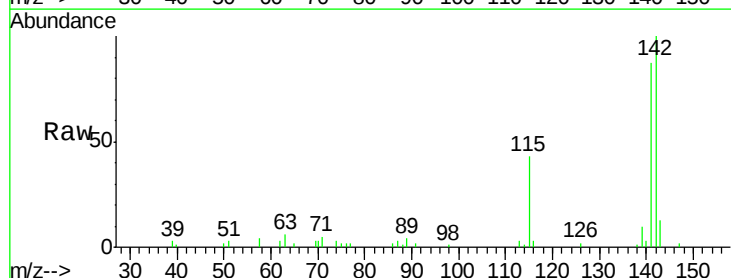
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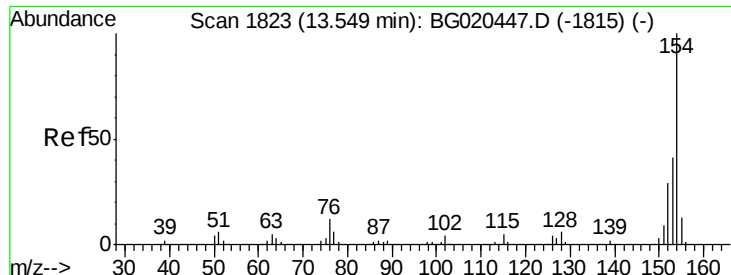
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#34
2-Methylnaphthalene
Concen: 6.96 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	74.9	112.3





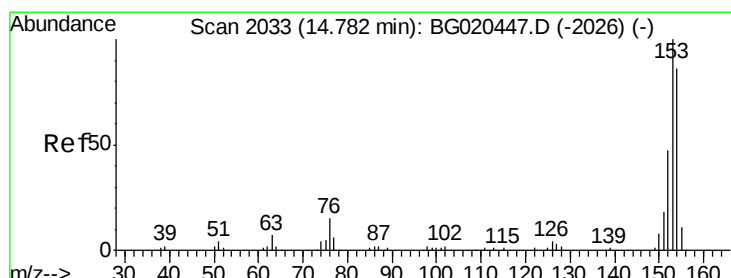
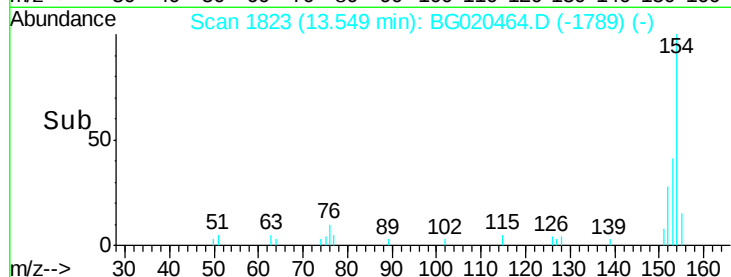
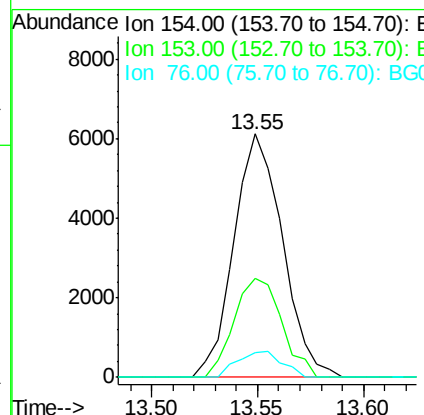
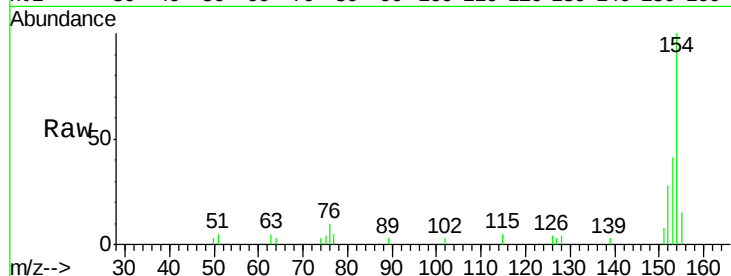
#41
 1,1'-Biphenyl
 Concen: 2.23 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020464.D
 Acq: 24 Dec 2015 4:40

Instrument :
 BNA_G
 ClientSampleId :
 D9N63MEDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	35.5	53.3
76	10.3	10.4	15.6

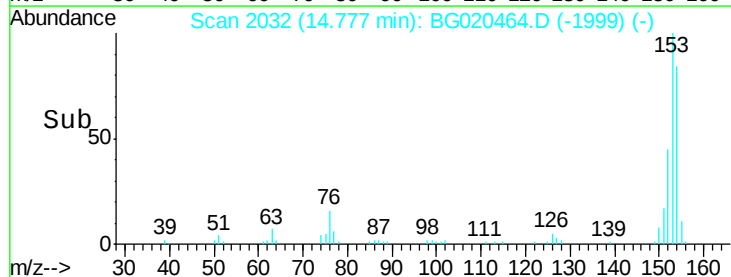
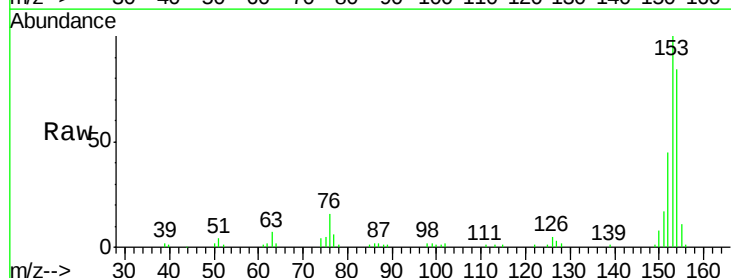
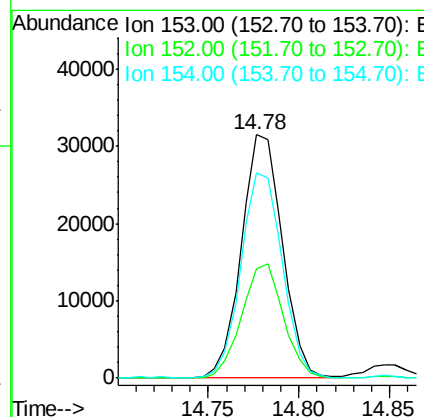
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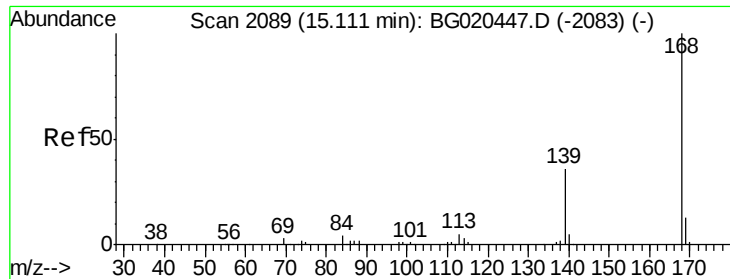
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#50
 Acenaphthene
 Concen: 12.75 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BG020464.D
 Acq: 24 Dec 2015 4:40

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.0	37.6	56.4
154	84.3	67.9	101.9





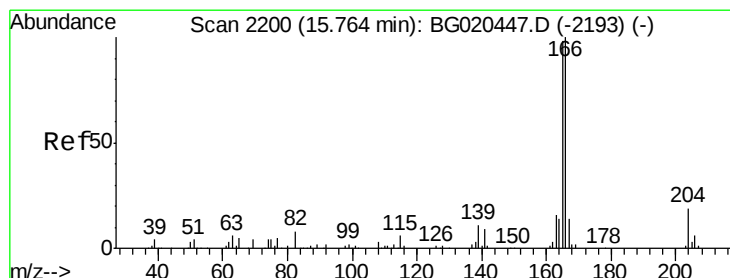
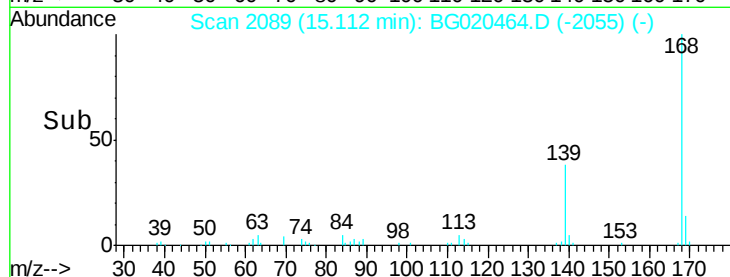
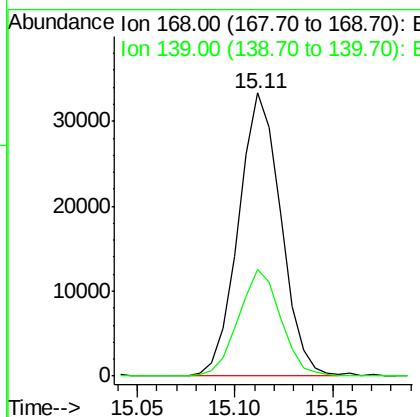
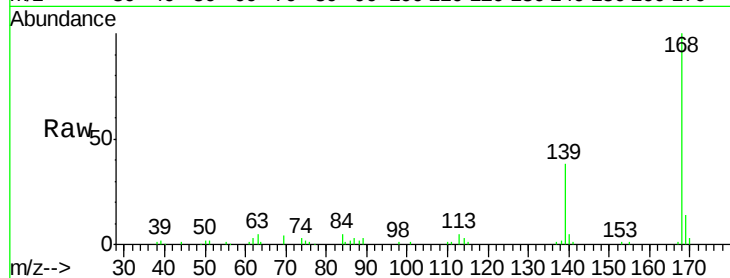
#54
Dibenzenofuran
Concen: 8.67 ng/ul
RT: 15.11 min Scan# 2089
Delta R.T. 0.00 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Instrument :
BNA_G
ClientSampleId :
D9N63MEDL

Tot Ion:168 Resp: 50188
Ion Ratio Lower Upper
168 100
139 37.5 30.5 45.7

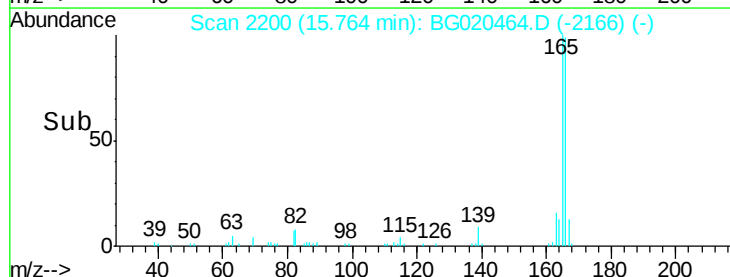
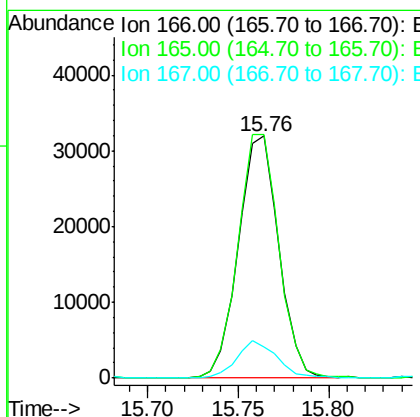
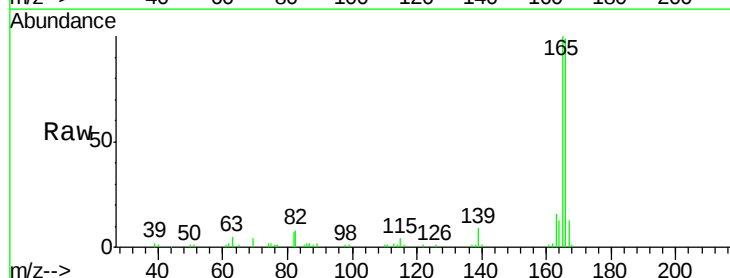
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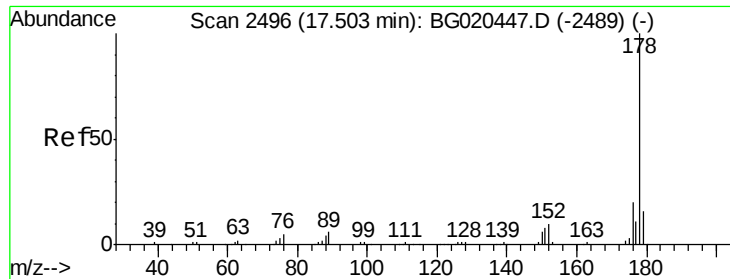
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#59
Fluorene
Concen: 10.59 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Tgt Ion:166 Resp: 49268
Ion Ratio Lower Upper
166 100
165 100.6 81.4 122.0
167 12.9 11.2 16.8





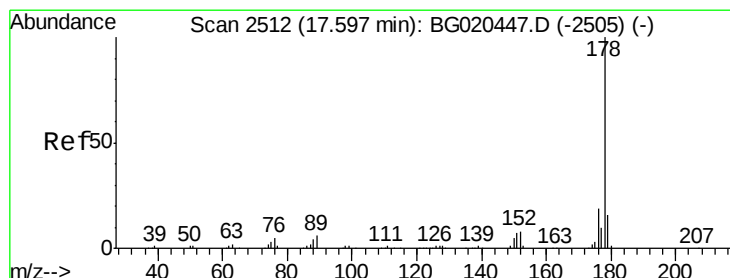
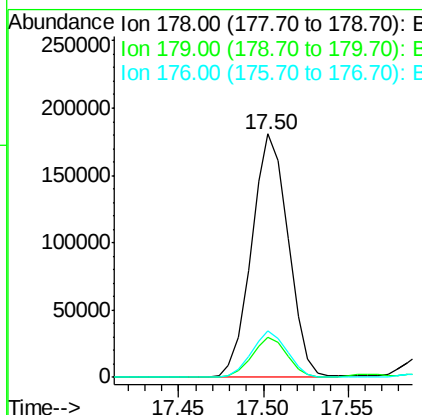
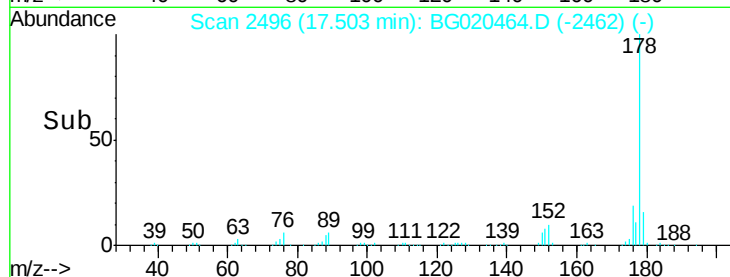
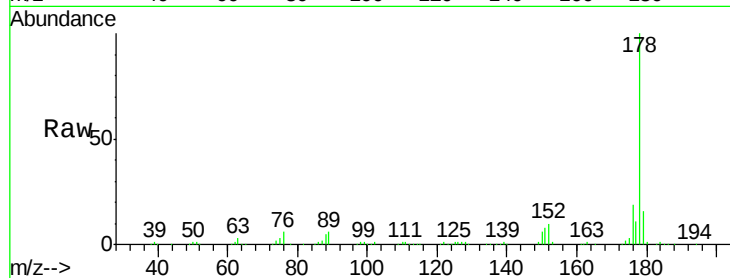
#70
Phenanthrene
Concen: 35.12 ng/ul
RT: 17.50 min Scan# 2496
Delta R.T. 0.00 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Instrument :
BNA_G
ClientSampleId :
D9N63MEDL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.9	19.3
176	19.1	15.3	22.9

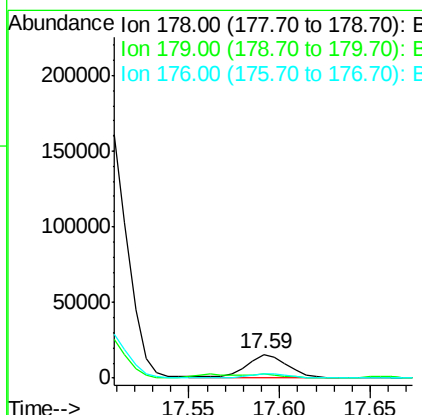
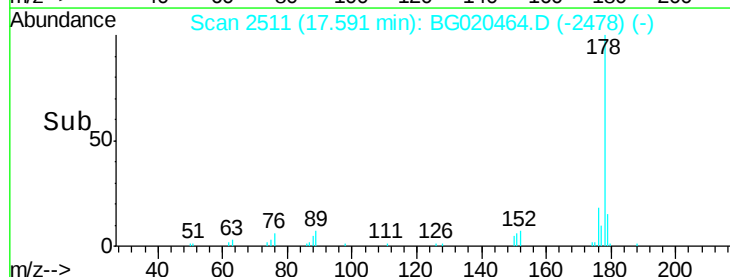
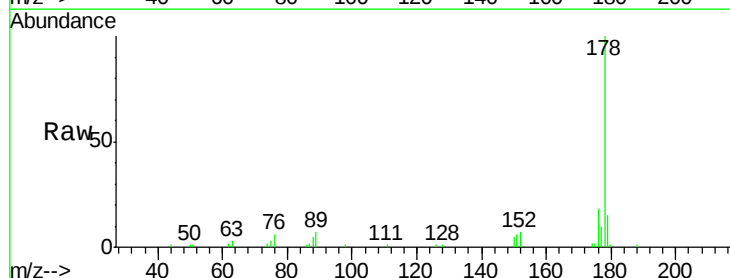
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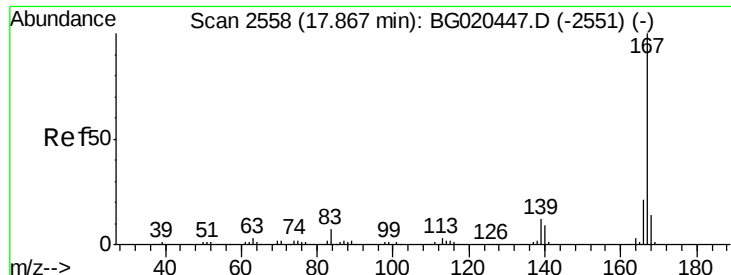
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#72
Anthracene
Concen: 3.18 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	17.7	14.3	21.5





#75

Carbazole

Concen: 1.76 ng/ul m

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020464.D

Acq: 24 Dec 2015 4:40

Instrument :

BNA_G

ClientSampleId :

D9N63MEDL

Tot Ion:167 Resp: 11638

Ion Ratio Lower Upper

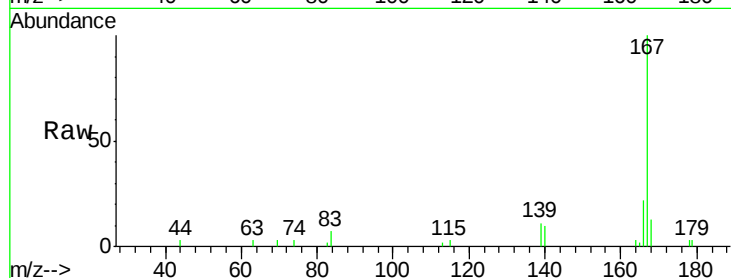
167 100

166 21.9 17.0 25.6

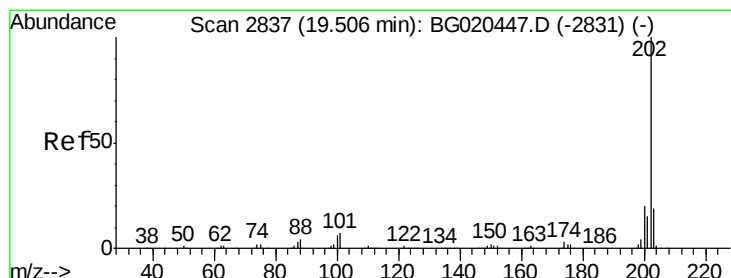
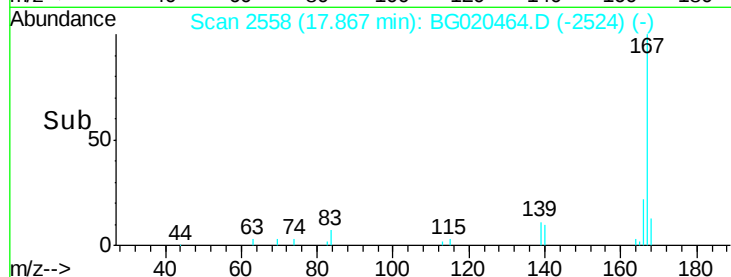
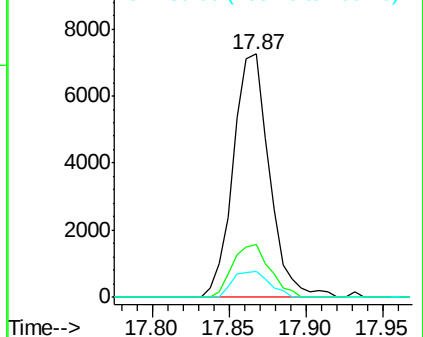
139 10.6 10.1 15.1

Manual Integrations
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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: 19.86 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG020464.D

Acq: 24 Dec 2015 4:40

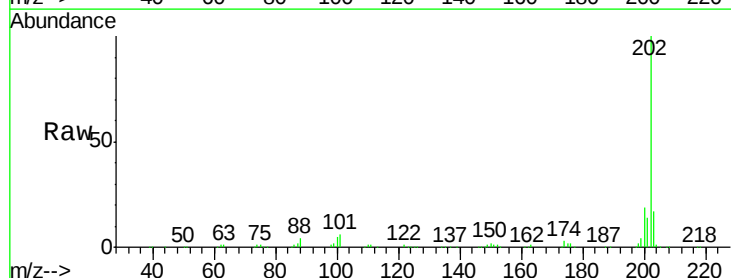
Tgt Ion:202 Resp: 180279

Ion Ratio Lower Upper

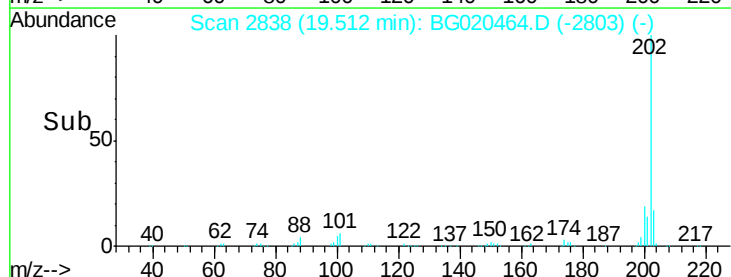
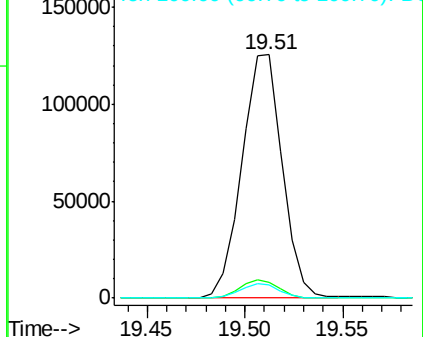
202 100

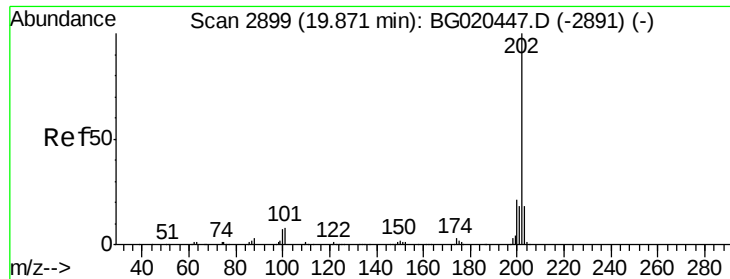
101 6.5 6.2 9.4

100 5.2 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





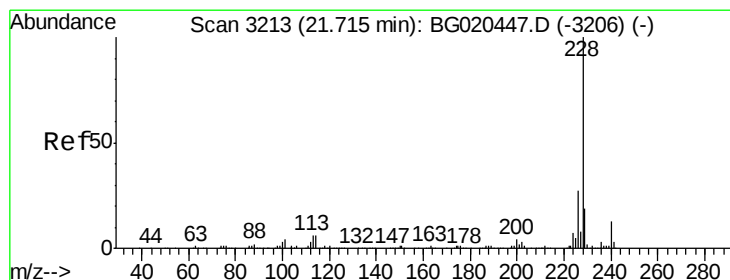
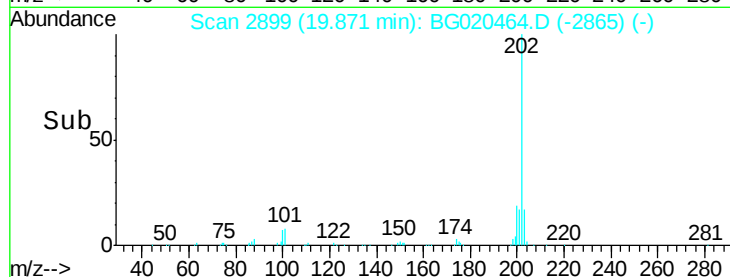
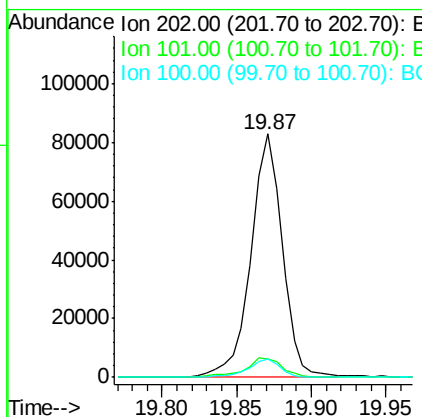
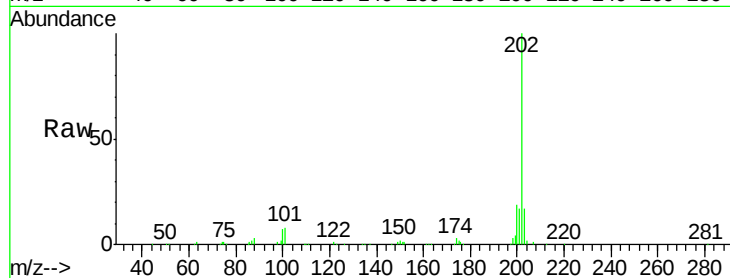
#80
Pvrene
Concen: 11.27 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Instrument :
BNA_G
ClientSampleId :
D9N63MEDL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.7	7.0	10.4
100	7.4	6.4	9.6

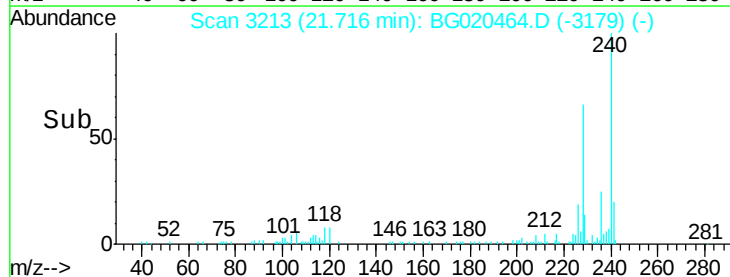
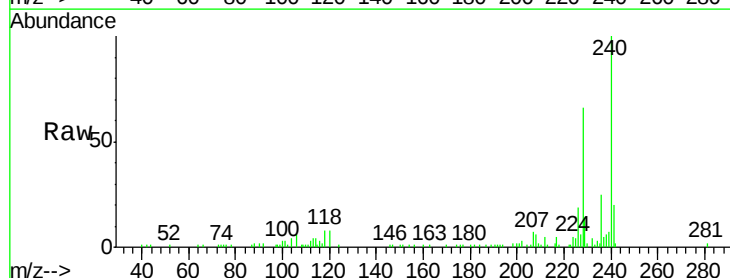
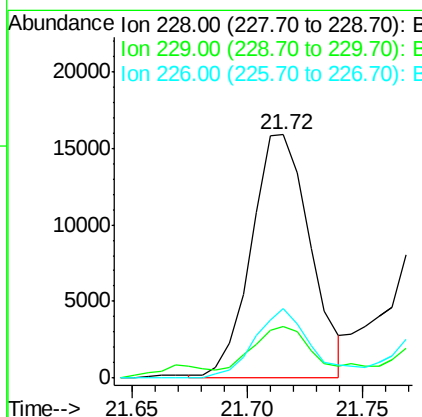
Manual Integrations
APPROVED

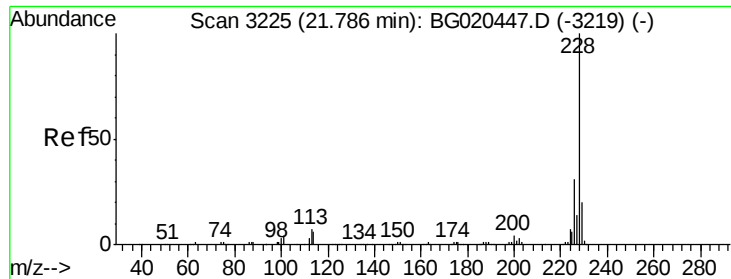
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12/24/2015 5:31:25 PM



#83
Benzo(a)anthracene
Concen: 2.75 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BG020464.D
Acq: 24 Dec 2015 4:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.0	15.8	23.8
226	28.5	21.8	32.6





#85

Chrysene

Concen: 2.58 ng/ul m

RT: 21.78 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BG020464.D

Acq: 24 Dec 2015 4:40

Instrument :

BNA_G

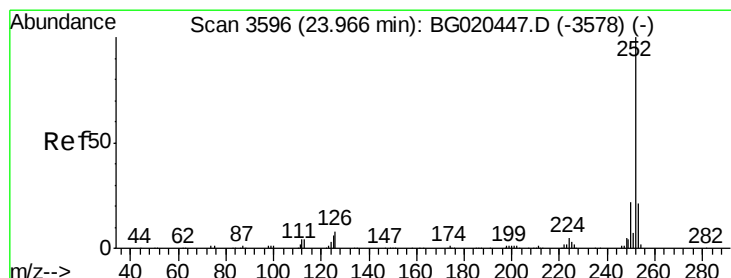
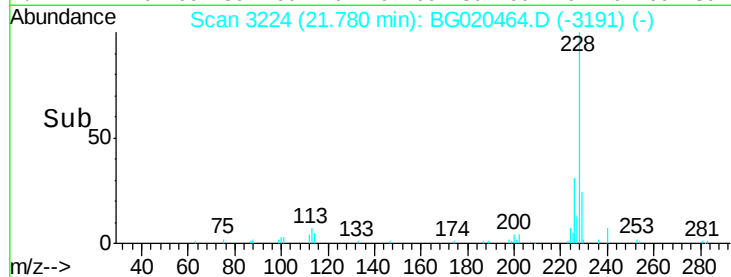
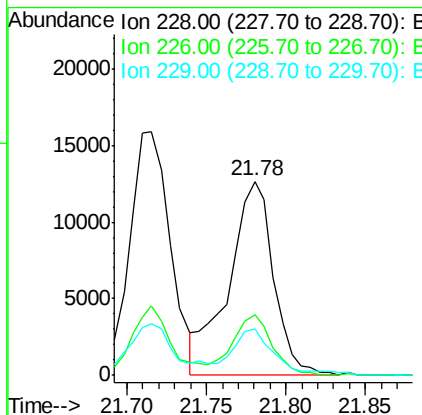
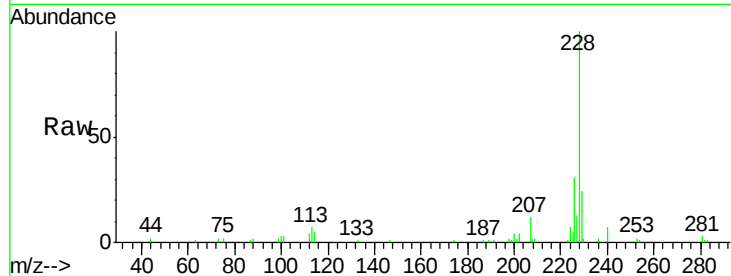
ClientSampleId :

D9N63MEDL

Tot Ion:	228	Resp:	25031
Ion Ratio	Lower	Upper	
228	100		
226	31.3	23.9	35.9
229	24.3	15.6	23.4#

Manual Integrations
APPROVED

Sohil
12/24/2015 5:31:25 PM



#88

Benzo(b)fluoranthene

Concen: 1.26 ng/ul m

RT: 23.97 min Scan# 3597

Delta R.T. 0.01 min

Lab File: BG020464.D

Acq: 24 Dec 2015 4:40

Tgt Ion:	252	Resp:	12680
Ion Ratio	Lower	Upper	
252	100		
253	17.7	16.7	25.1
125	5.9	6.2	9.2#

