

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020455.D
 Acq On : 23 Dec 2015 22:45
 Operator : UM/SJ
 Sample : G4848-17DL 30X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N63DL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:31:45 PM

Quant Time: Dec 24 04:08:08 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	20810	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	92621	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	63504	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	147990m	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	184942	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	179427	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	1183m	0.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	656	0.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	814	0.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	936	0.60	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	369	0.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	410	0.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	1065	0.65	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1197	0.65	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	5217	1.02	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	6040	1.01	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	4905	1.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.57	188	7500	1.10	ng/ul	0.00
79) Pyrene-d10	19.85	212	8807	1.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	9443	1.06	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	636791	131.65	ng/ul	98
34) 2-Methylnaphthalene	12.56	142	274128	74.20	ng/ul	96
41) 1,1'-Biphenyl	13.55	154	126932	26.49	ng/ul	96
48) Acenaphthylene	14.44	152	36889	5.81	ng/ul#	97
50) Acenaphthene	14.79	153	564520	132.15	ng/ul	98
54) Dibenzofuran	15.12	168	589005	92.69	ng/ul	99
59) Fluorene	15.77	166	585440	114.72	ng/ul	98
70) Phenanthrene	17.53	178	2444855m	302.03	ng/ul	
72) Anthracene	17.60	178	317932	38.72	ng/ul	98
75) Carbazole	17.87	167	161820	23.46	ng/ul	100
77) Fluoranthene	19.52	202	1754335m	185.44	ng/ul	
80) Pyrene	19.88	202	1267307	113.22	ng/ul	99
83) Benzo(a)anthracene	21.72	228	332713	30.83	ng/ul	98
85) Chrysene	21.79	228	295292	29.05	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	157190	14.56	ng/ul	95
89) Benzo(k)fluoranthene	24.02	252	62909m	6.07	ng/ul	
91) Benzo(a)pyrene	24.85	252	89189	8.71	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.74	276	28377m	2.33	ng/ul	
94) Benzo(g,h,i)perylene	29.90	276	20878m	2.09	ng/ul	

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

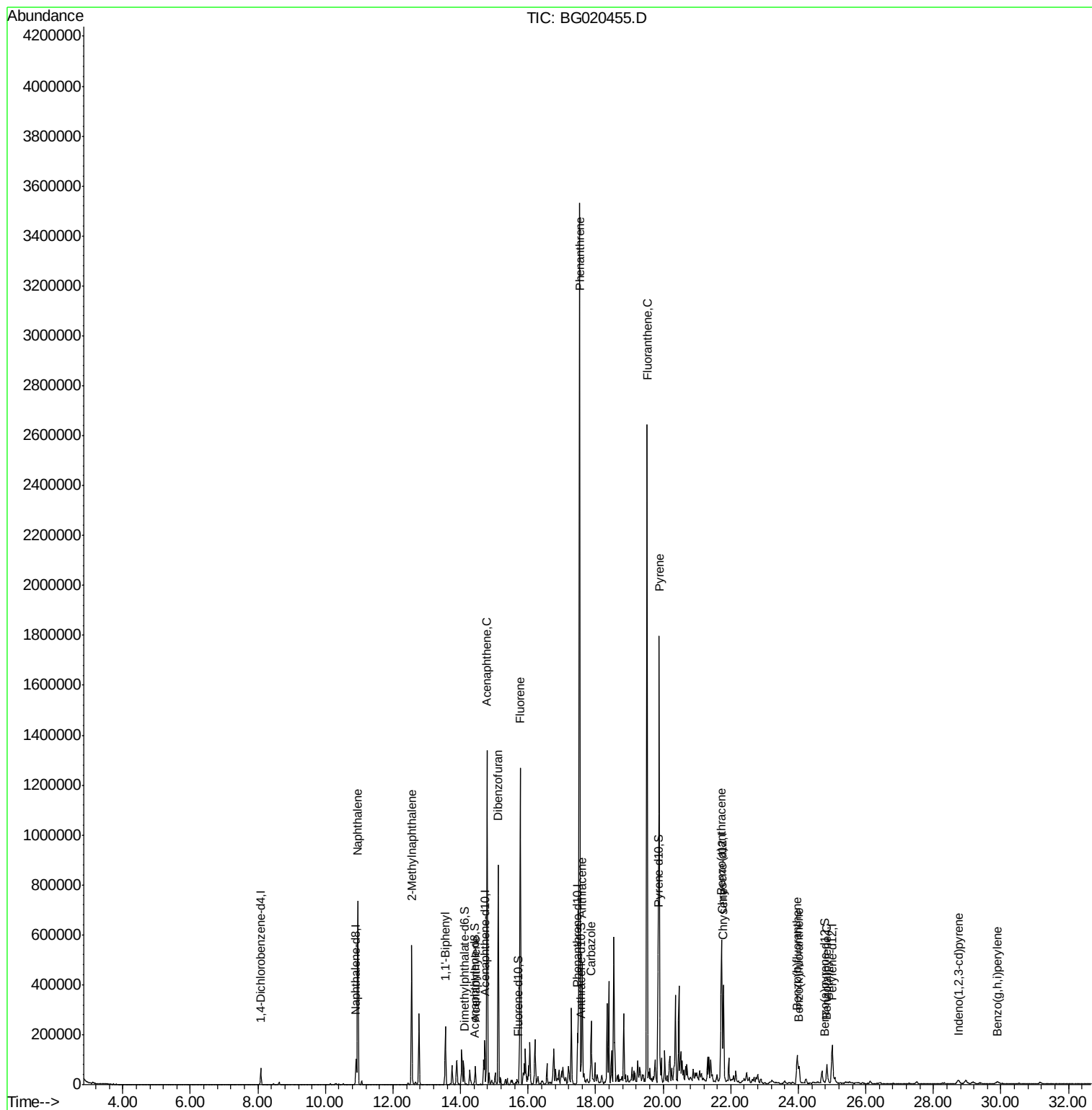
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020455.D
Acq On : 23 Dec 2015 22:45
Operator : UM/SJ
Sample : G4848-17DL 30X
Misc :
ALS Vial : 45 Sample Multiplier: 1

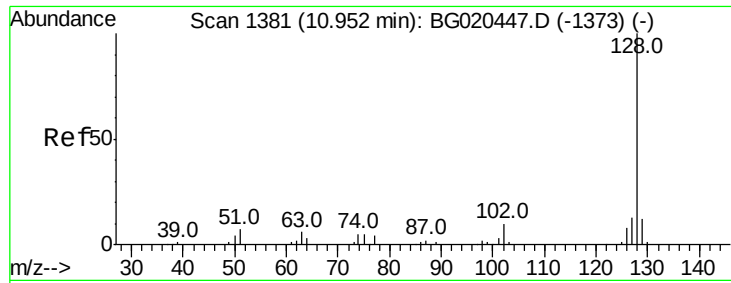
Instrument :
BNA_G
ClientSampleId :
D9N63DL

Manual Integrations
APPROVED

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12/24/2015 5:31:45 PM

Quant Time: Dec 24 04:08:08 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





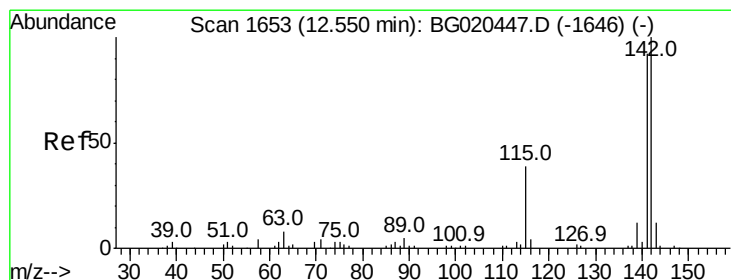
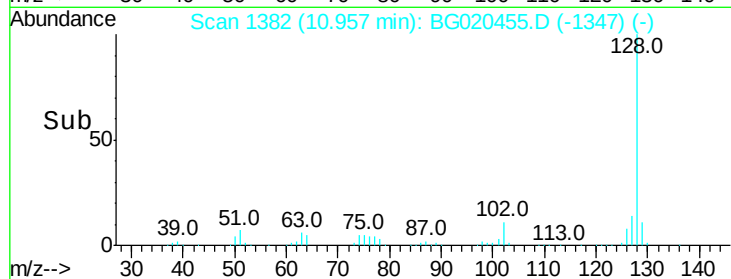
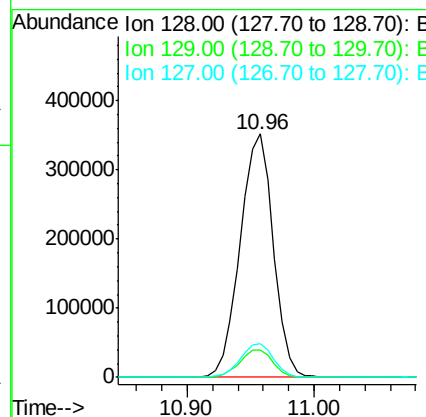
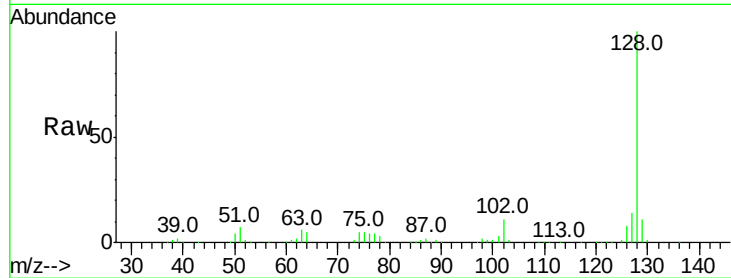
#28
Naphthalene
Concen: 131.65 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Instrument :
BNA_G
ClientSampleId :
D9N63DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	13.9	10.1	15.1

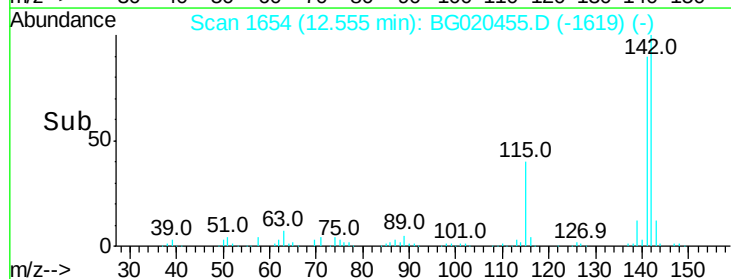
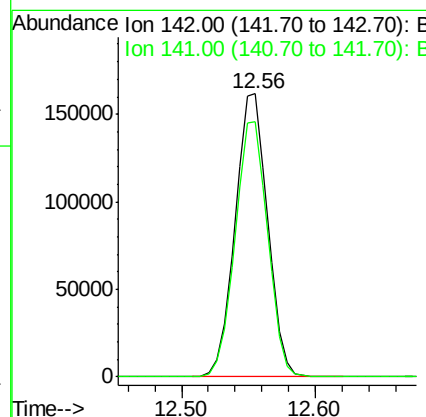
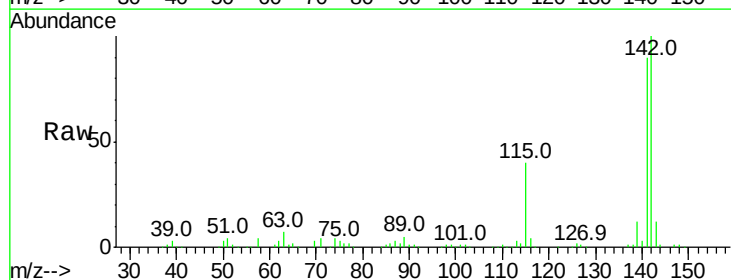
Manual Integrations
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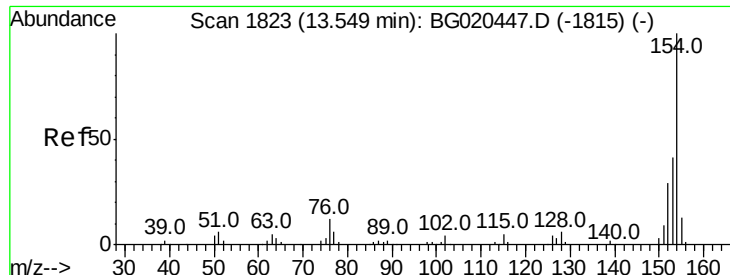
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#34
2-Methylnaphthalene
Concen: 74.20 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	74.9	112.3





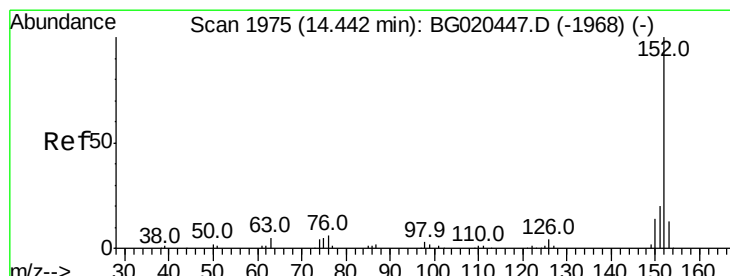
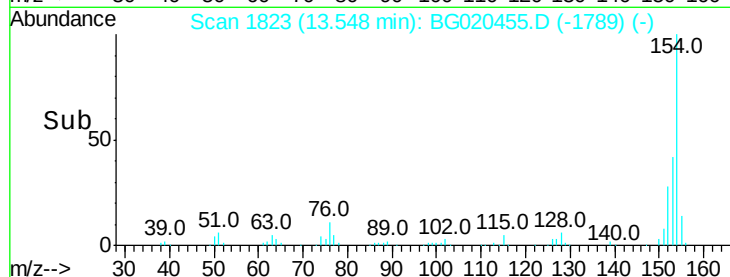
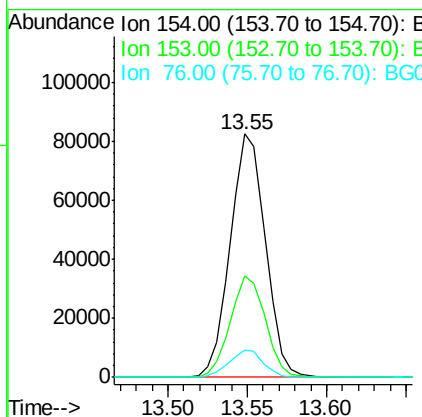
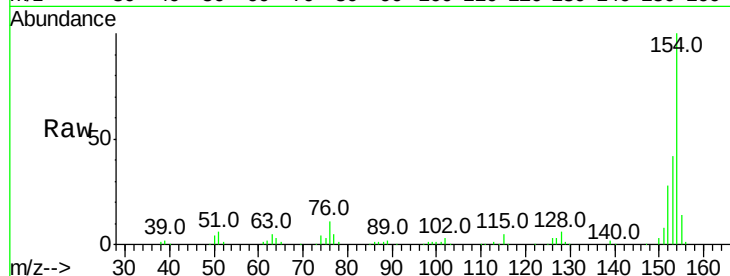
#41
 1,1'-Biphenyl
 Concen: 26.49 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Instrument :
 BNA_G
 ClientSampleId :
 D9N63DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.6	35.5	53.3
76	11.0	10.4	15.6

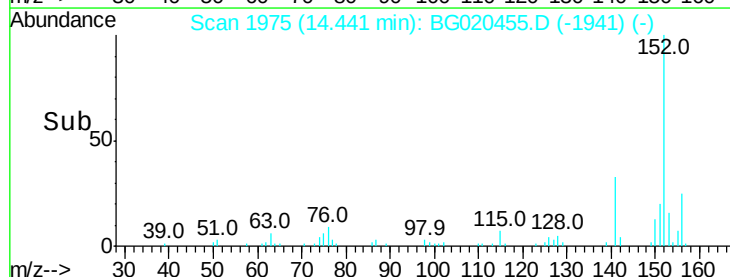
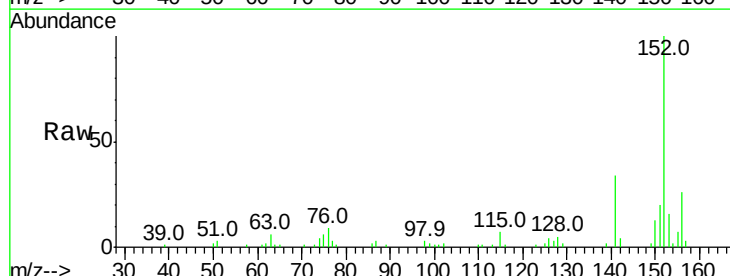
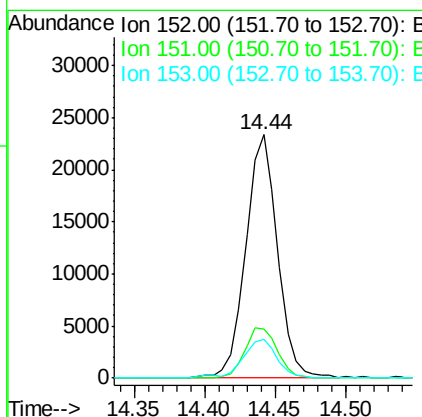
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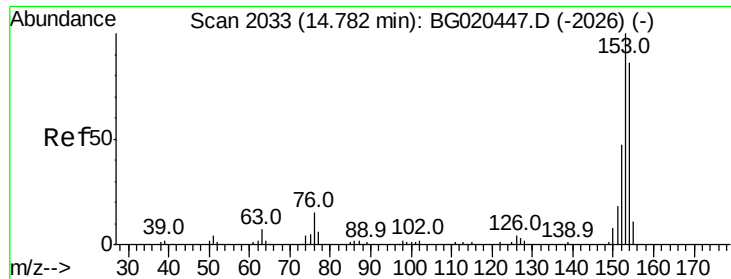
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#48
 Acenaphthylene
 Concen: 5.81 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.4	24.6
153	15.8	10.4	15.6#





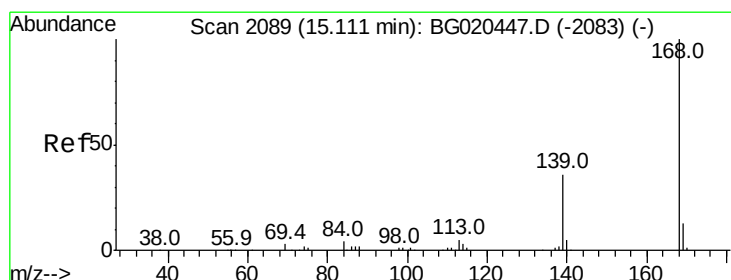
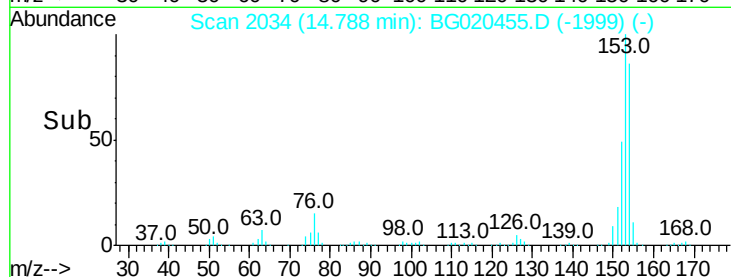
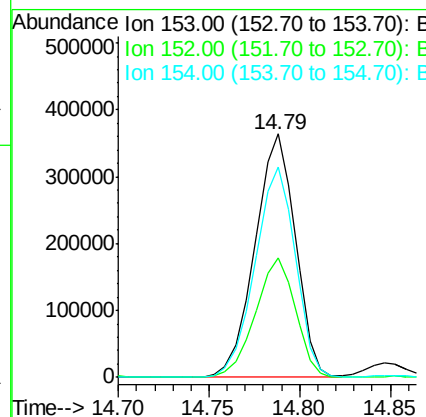
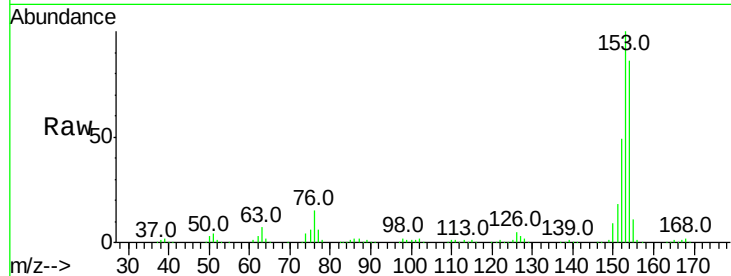
#50
Acenaphthene
Concen: 132.15 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Instrument :
BNA_G
ClientSampleId :
D9N63DL

Tot Ion:153	Resp:	564520
Ion Ratio	Lower	Upper
153	100	
152	49.1	37.6 56.4
154	86.4	67.9 101.9

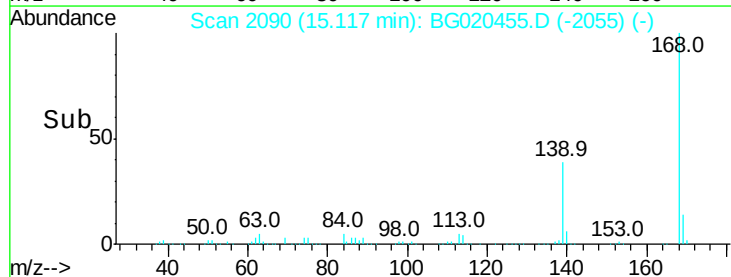
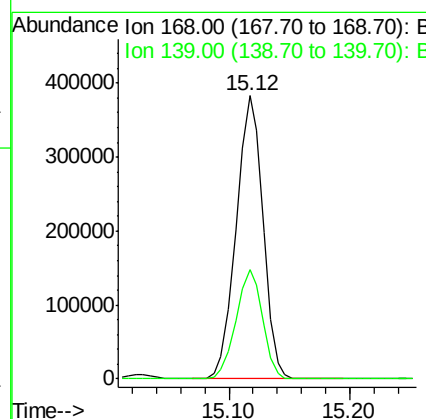
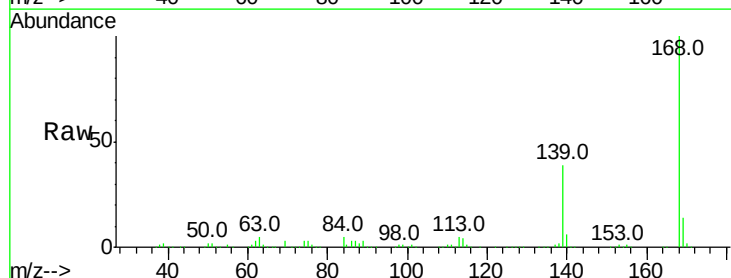
Manual Integrations
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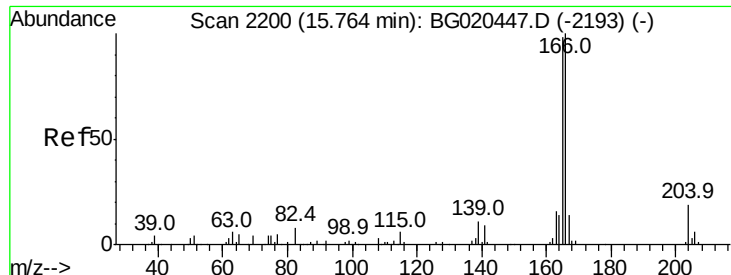
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#54
Dibenzofuran
Concen: 92.69 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion:168	Resp:	589005
Ion Ratio	Lower	Upper
168	100	
139	38.6	30.5 45.7





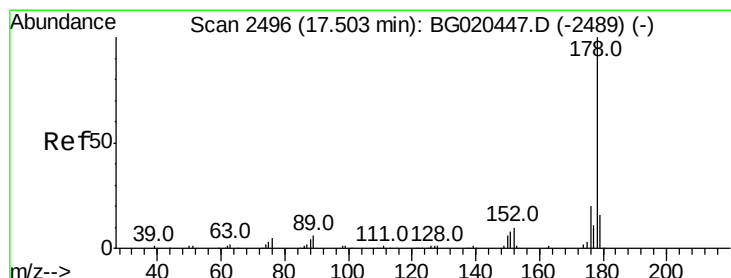
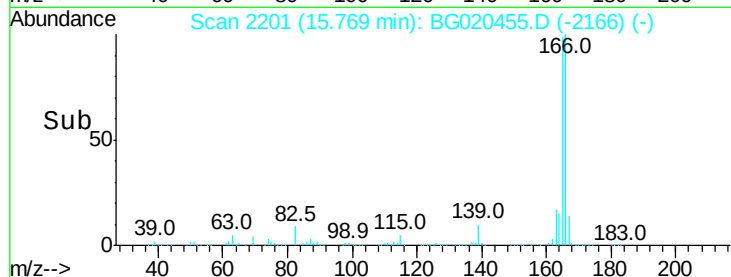
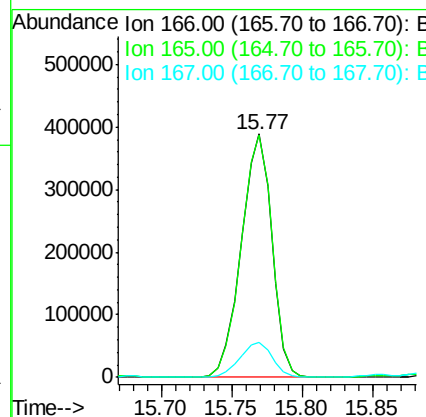
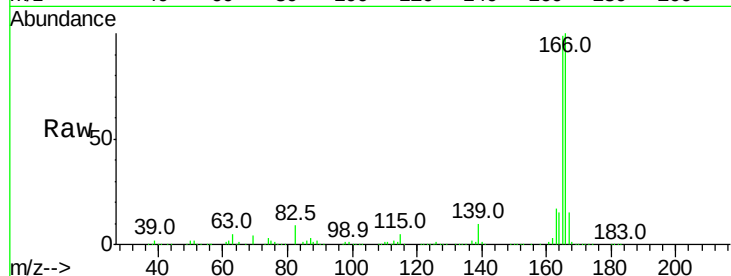
#59
Fluorene
 Concen: 114.72 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Instrument :
 BNA_G
 ClientSampled :
 D9N63DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	585440		
165	99.4	81.4	122.0	
167	14.5	11.2	16.8	

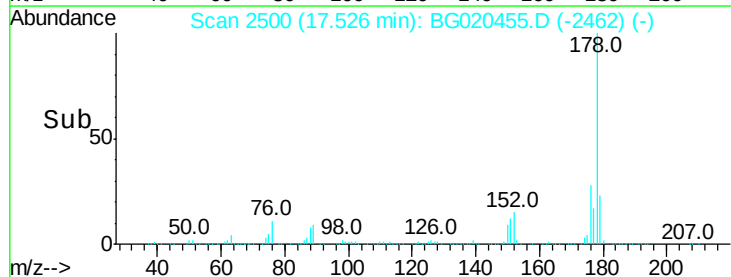
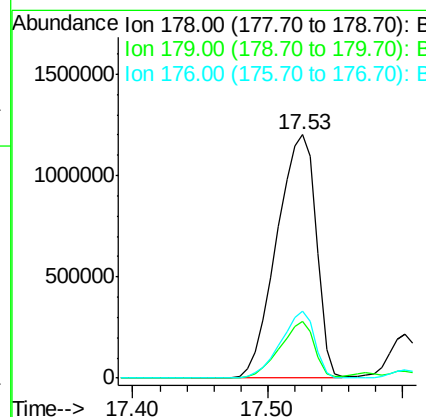
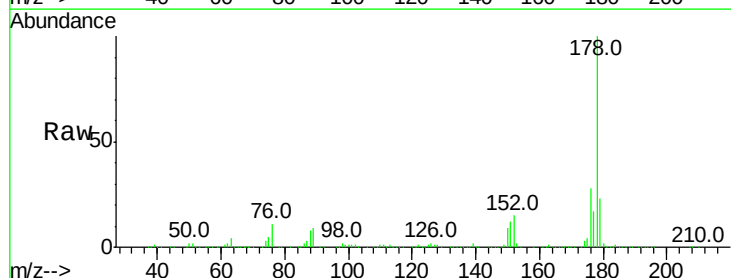
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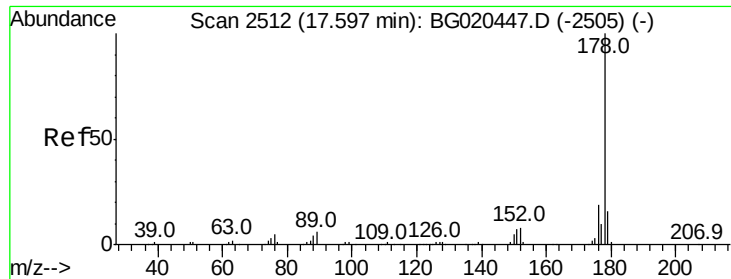
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#70
Phenanthrene
 Concen: 302.03 ng/ul m
 RT: 17.53 min Scan# 2500
 Delta R.T. 0.02 min
 Lab File: BG020455.D
 Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2444855		
179	23.3	12.9	19.3#	
176	27.5	15.3	22.9#	





#72

Anthracene

Concen: 38.72 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

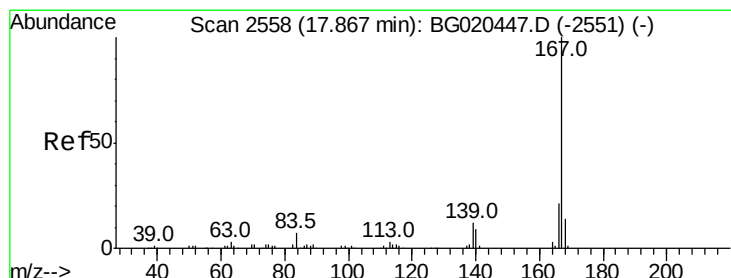
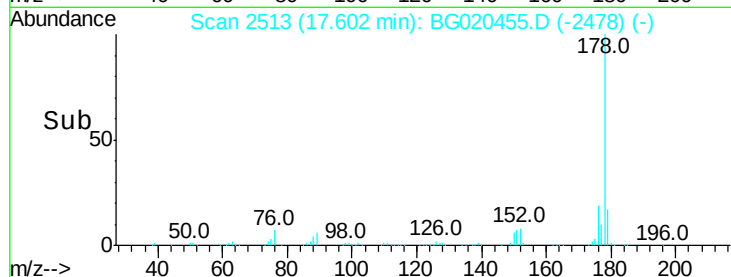
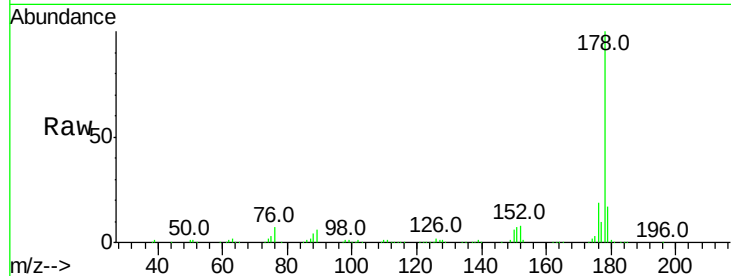
ClientSampleId :

D9N63DL

Tot Ion:	178	Resp:	317932
Ion Ratio	Lower	Upper	
178	100		
179	16.7	12.3	18.5
176	18.8	14.3	21.5

Manual Integrations
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#75

Carbazole

Concen: 23.46 ng/ul

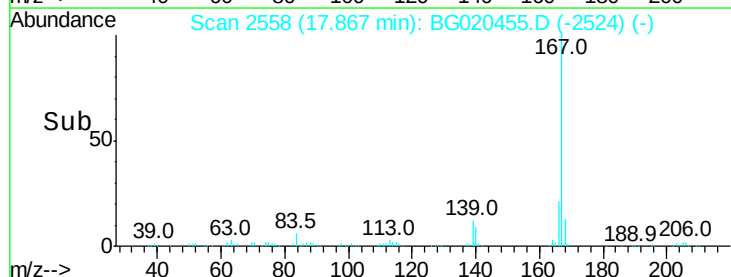
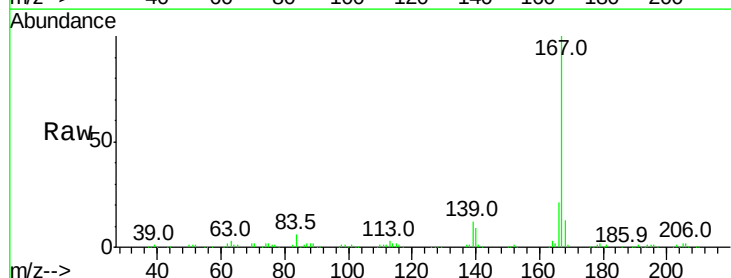
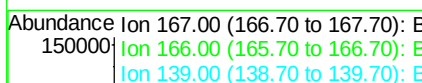
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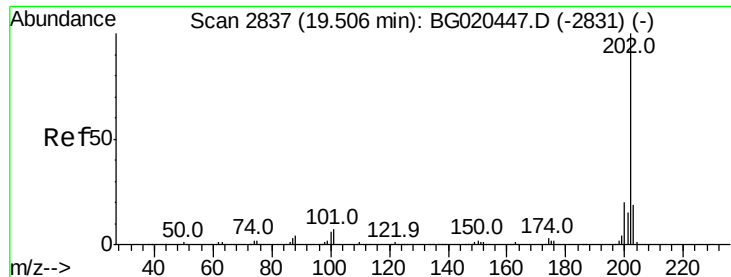
Delta R.T. -0.00 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Tgt Ion:	167	Resp:	161820
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.6
139	12.3	10.1	15.1





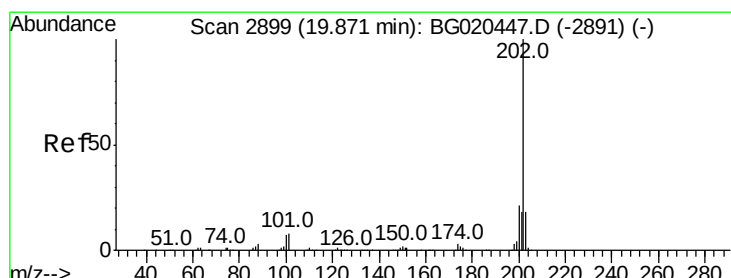
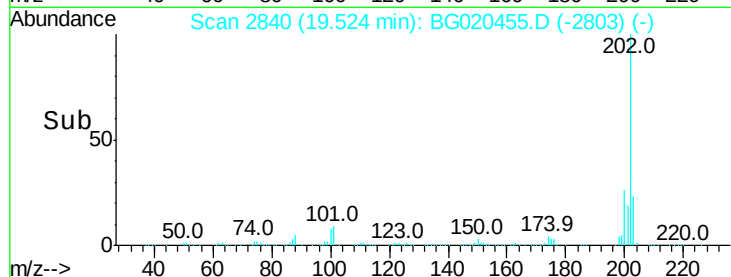
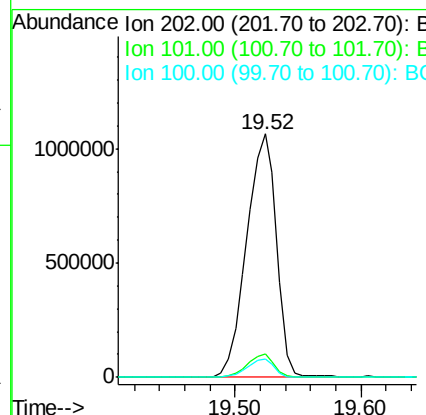
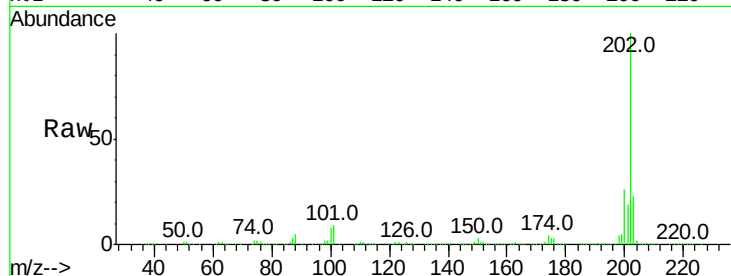
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Fluoranthene
Concen: 185.44 ng/ul m
RT: 19.52 min Scan# 2840
Delta R.T. 0.02 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Instrument :
BNA_G
ClientSampleId :
D9N63DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	6.2	9.4#
100	7.6	5.1	7.7

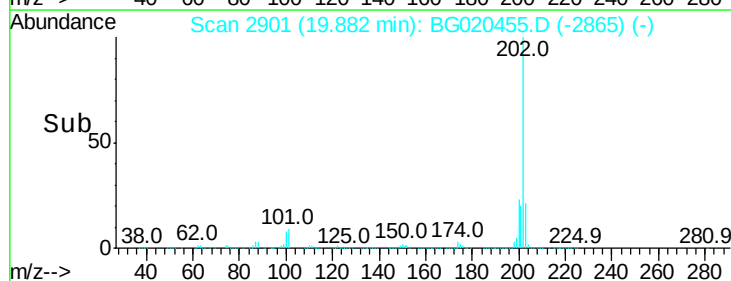
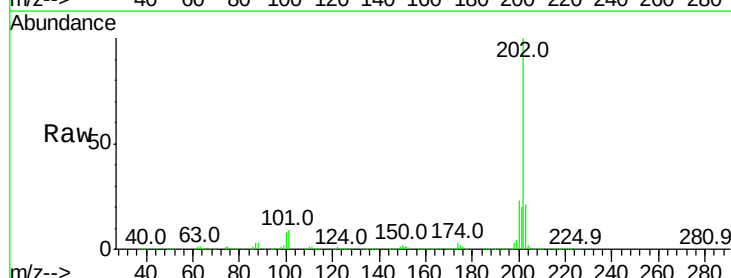
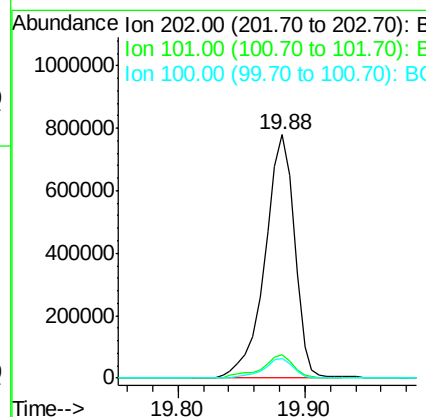
Manual Integrations
APPROVED

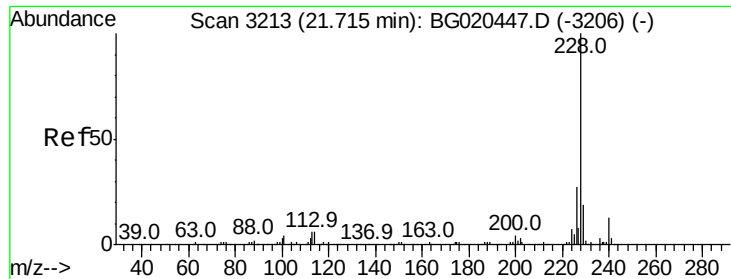
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#80
Pyrene
Concen: 113.22 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.0	10.4
100	8.2	6.4	9.6





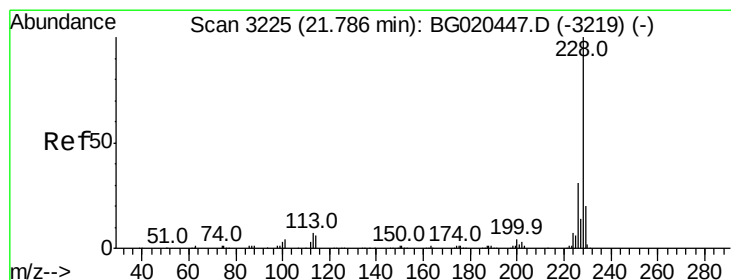
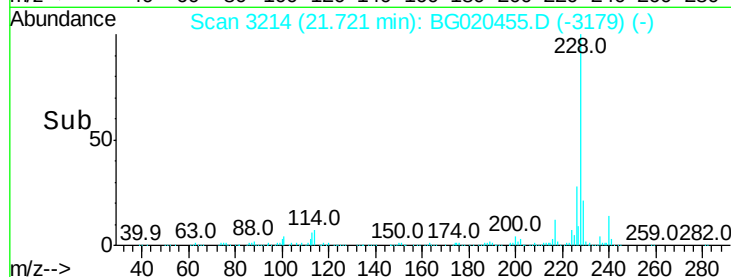
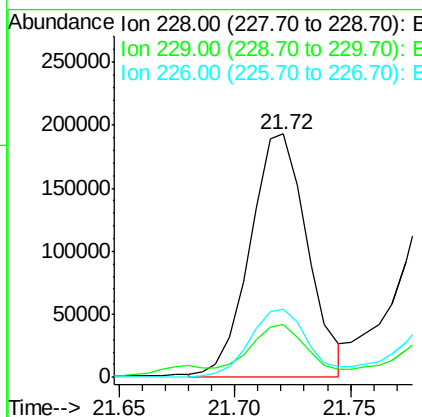
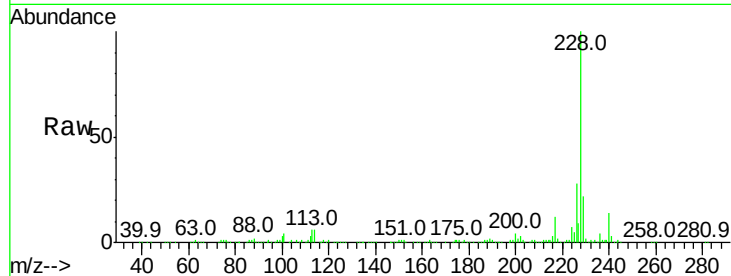
#83
Benzo(a)anthracene
Concen: 30.83 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Instrument :
BNA_G
ClientSampleId :
D9N63DL

Tot Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.5	15.8	23.8
226	28.0	21.8	32.6

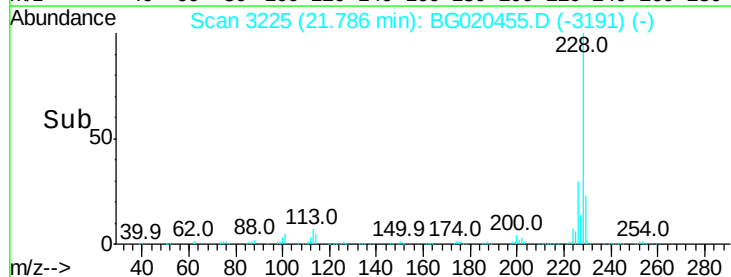
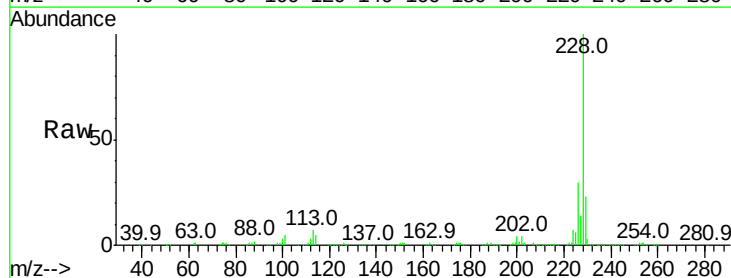
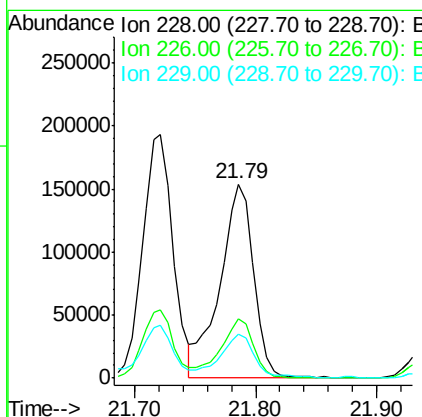
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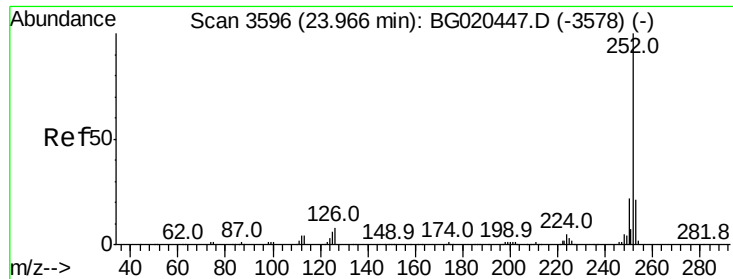
Sohil
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#85
Chrysene
Concen: 29.05 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.5	23.9	35.9
229	22.9	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 14.56 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

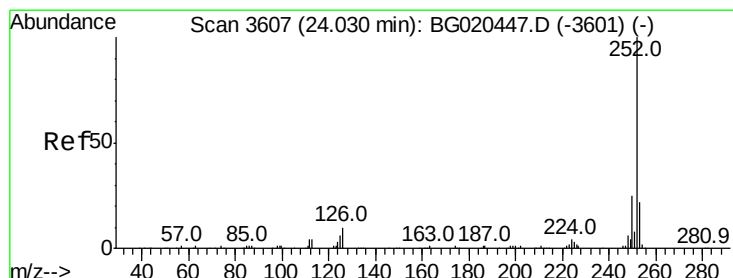
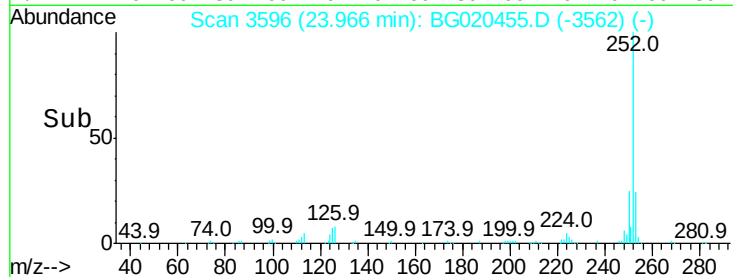
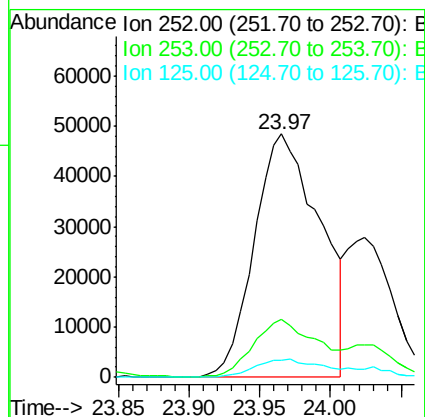
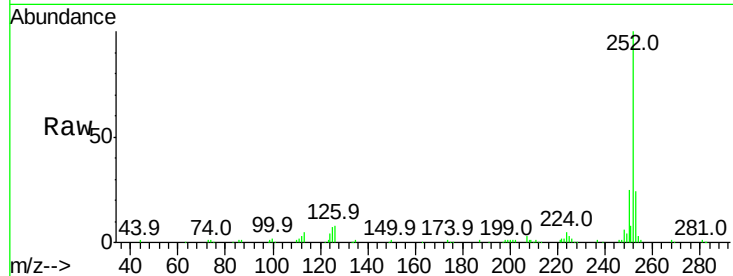
ClientSampleId :

D9N63DL

Tot Ion:	252	Resp:	157190
Ion Ratio	Lower	Upper	
252	100		
253	23.7	16.7	25.1
125	6.9	6.2	9.2

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#89

Benzo(k)fluoranthene

Concen: 6.07 ng/ul m

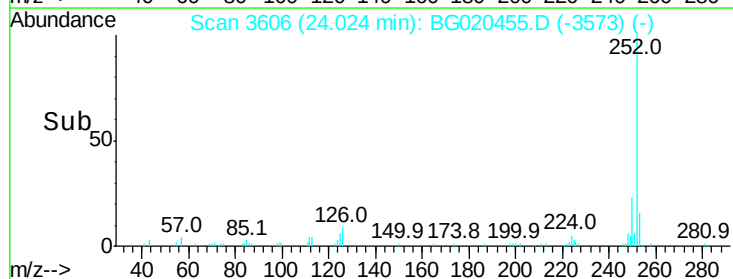
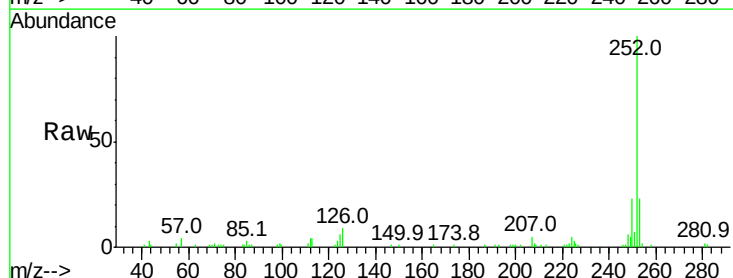
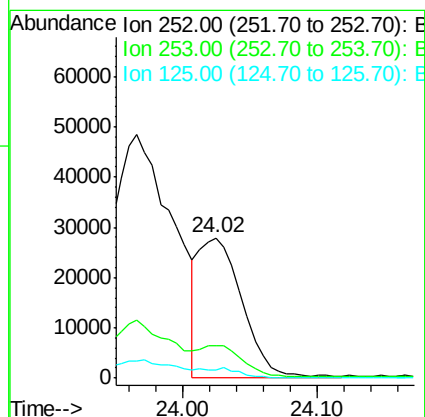
RT: 24.02 min Scan# 3606

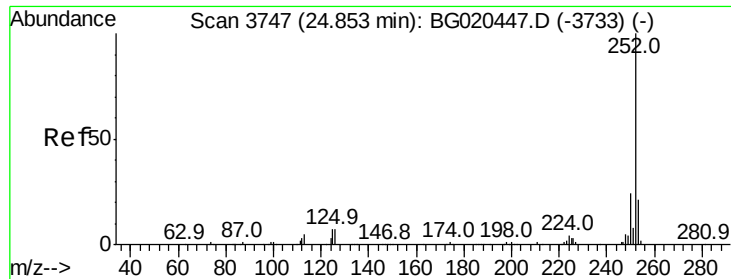
Delta R.T. -0.01 min

Lab File: BG020455.D

Acq: 23 Dec 2015 22:45

Tgt Ion:	252	Resp:	62909
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.9	26.9
125	5.8	5.8	8.6





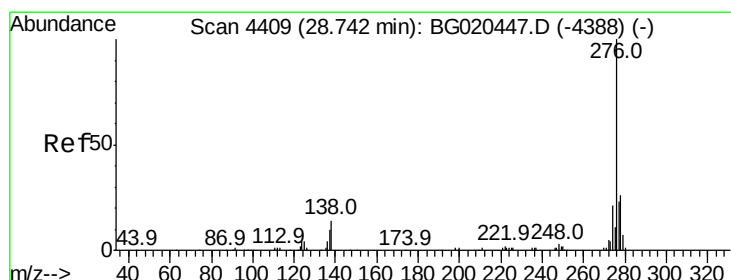
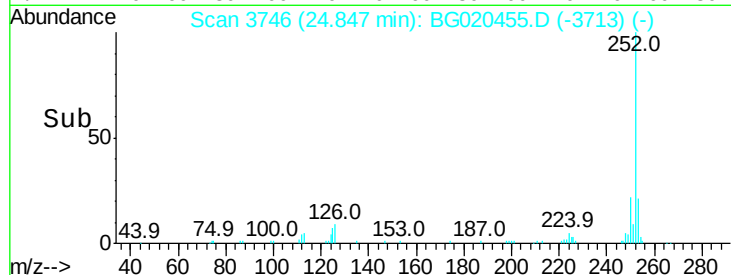
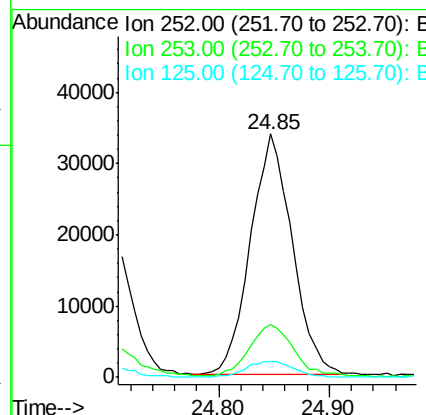
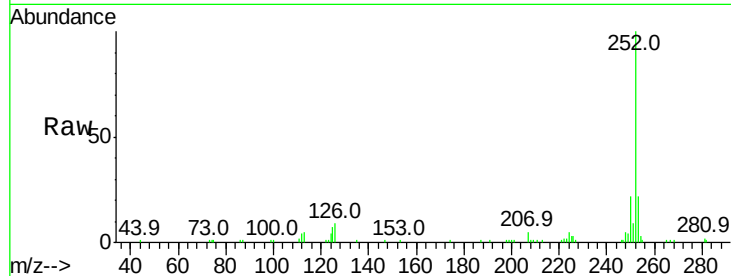
#91
Benzo(a)pyrene
Concen: 8.71 ng/ul
RT: 24.85 min Scan# 3746
Delta R.T. -0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Instrument :
BNA_G
ClientSampleId :
D9N63DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	6.7	6.2	9.4

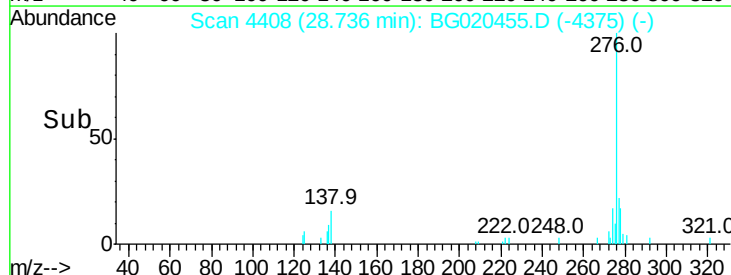
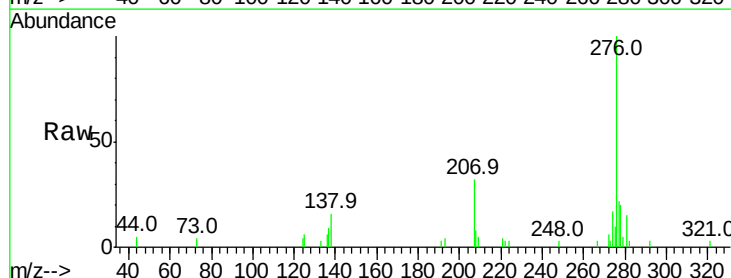
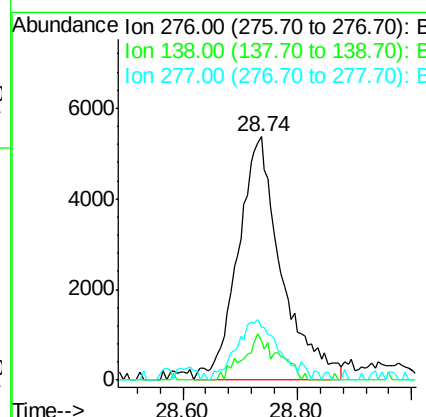
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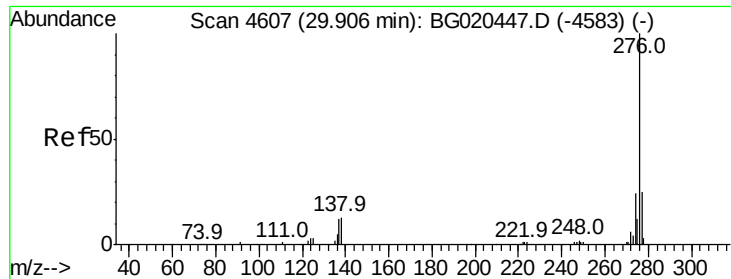
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#92
Indeno(1,2,3-cd)pyrene
Concen: 2.33 ng/ul m
RT: 28.74 min Scan# 4408
Delta R.T. -0.01 min
Lab File: BG020455.D
Acq: 23 Dec 2015 22:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	11.4	17.0
277	21.8	17.4	26.0





#94

Benzo(a,h,i)perylene

Concen: 2.09 ng/ul m

RT: 29.90 min Scan# 4606

Delta R.T. -0.01 min

Lab File: BG020455.D

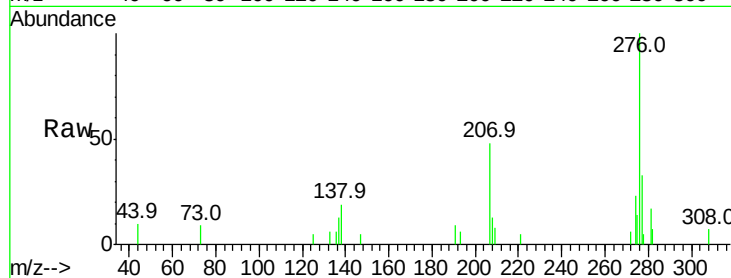
Acq: 23 Dec 2015 22:45

Instrument :

BNA_G

ClientSampleId :

D9N63DL



Tot Ion: 276 Resp: 20878

Ion Ratio Lower Upper

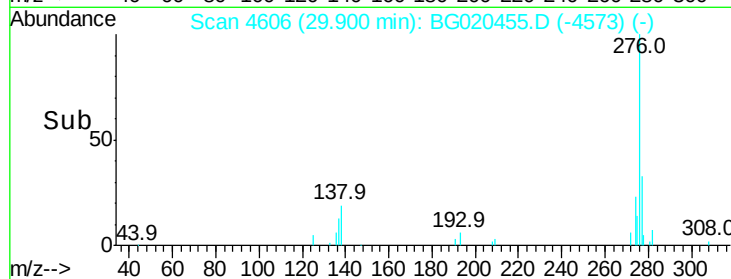
276 100

138 19.4 10.8 16.2#

277 32.7 19.9 29.9#

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

