

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021717\
 Data File : BG025865.D
 Acq On : 17 Feb 2017 18:58
 Operator : SJ/MA
 Sample : PB97017BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Manual Integrations
 APPROVED

mohammad
 2/20/2017 12:58:39 PM

Quant Time: Feb 17 23:48:52 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 15:48:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	92406	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	442668	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	329612	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	735165	20.00	ng	0.00
75) Chrysene-d12	21.67	240	744852	20.00	ng	0.00
86) Perylene-d12	24.89	264	741792	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	527598	99.40	ng	0.00
7) Phenol-d6	7.24	99	734347	93.50	ng	0.00
23) Nitrobenzene-d5	9.24	82	588330	83.87	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	281613	92.48	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1571046	83.29	ng	0.00
78) Terphenyl-d14	20.02	244	2277555	74.37	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.55	88	80398	33.14	ng	# 88
3) Pyridine	3.95	79	238637	33.01	ng	# 78
4) n-Nitrosodimethylamine	3.86	42	104214	40.09	ng	# 40
6) Aniline	7.41	93	225559	20.66	ng	96
8) 2-Chlorophenol	7.65	128	293627	46.55	ng	87
9) Benzaldehyde	7.22	77	48277	10.37	ng	84
10) Phenol	7.26	94	400005	46.87	ng	# 74
11) bis(2-Chloroethyl)ether	7.50	93	269456	38.41	ng	91
12) 1,3-Dichlorobenzene	7.98	146	287397	39.41	ng	# 87
13) 1,4-Dichlorobenzene	8.12	146	297049	40.21	ng	94
14) 1,2-Dichlorobenzene	8.45	146	288459	39.78	ng	92
15) Benzyl Alcohol	8.32	79	258553	44.95	ng	# 80
16) 2,2'-oxybis(1-Chloropropan	8.62	45	373958	36.73	ng	90
17) 2-Methylphenol	8.52	107	273682	44.51	ng	# 83
18) Hexachloroethane	9.17	117	96358	39.36	ng	# 85
19) n-Nitroso-di-n-propylamine	8.89	70	216176	37.68	ng	# 82
20) 3+4-Methylphenols	8.85	107	382041	43.61	ng	88
22) Acetophenone	8.90	105	423373	39.86	ng	# 80
24) Nitrobenzene	9.29	77	314579	41.47	ng	# 81
25) Isophorone	9.81	82	624082	40.43	ng	# 93
26) 2-Nitrophenol	10.00	139	161107	45.42	ng	# 67
27) 2,4-Dimethylphenol	10.05	122	313592	47.37	ng	88
28) bis(2-Chloroethoxy)methane	10.28	93	389612	39.83	ng	98
29) 2,4-Dichlorophenol	10.53	162	304286	48.16	ng	94
30) 1,2,4-Trichlorobenzene	10.75	180	281751	41.00	ng	97
31) Naphthalene	10.94	128	917614	40.09	ng	99
32) Benzoic acid	10.17	122	220023	43.53	ng	# 75
33) 4-Chloroaniline	11.03	127	80674	8.12	ng	# 84
34) Hexachlorobutadiene	11.23	225	154978	39.63	ng	96
35) Caprolactam	11.79	113	125121m	49.03	ng	
36) 4-Chloro-3-methylphenol	12.14	107	357668	47.31	ng	# 86
37) 2-Methylnaphthalene	12.54	142	721063	41.37	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	12.90	216	316583	38.32	ng	98
40) Hexachlorocyclopentadiene	12.88	237	389772	86.22	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.13	196	249146	46.70	ng	95
43) 2,4,5-Trichlorophenol	13.20	196	268681	44.36	ng #	93
45) 1,1'-Biphenyl	13.53	154	941957	39.44	ng	98
46) 2-Chloronaphthalene	13.58	162	707153	40.95	ng	97
47) 2-Nitroaniline	13.76	65	244550	44.65	ng #	74
48) Acenaphthylene	14.42	152	1228401	39.95	ng	100
49) Dimethylphthalate	14.14	163	998583	44.16	ng	98
50) 2,6-Dinitrotoluene	14.25	165	226914	44.67	ng #	71
51) Acenaphthene	14.76	154	908483	44.74	ng	99
52) 3-Nitroaniline	14.58	138	93470	16.45	ng #	76
53) 2,4-Dinitrophenol	14.78	184	264282	99.43	ng	94
54) Dibenzofuran	15.09	168	1179468	43.57	ng	91
55) 4-Nitrophenol	14.87	139	451194	97.58	ng #	50
56) 2,4-Dinitrotoluene	15.04	165	327006	47.85	ng #	77
57) Fluorene	15.73	166	994381	41.11	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.30	232	262333	49.09	ng	96
59) Diethylphthalate	15.50	149	1053422	45.04	ng	98
60) 4-Chlorophenyl-phenylether	15.72	204	463524	41.35	ng	94
61) 4-Nitroaniline	15.74	138	266373	45.23	ng #	55
62) Azobenzene	16.01	77	947830	47.14	ng	87
64) 4,6-Dinitro-2-methylphenol	15.80	198	185192	43.05	ng	93
65) n-Nitrosodiphenylamine	15.93	169	900858	40.41	ng	98
66) 4-Bromophenyl-phenylether	16.61	248	309811	40.21	ng	99
67) Hexachlorobenzene	16.73	284	311519	39.23	ng	98
68) Atrazine	16.87	200	328082	41.58	ng	97
69) Pentachlorophenol	17.07	266	424121	86.58	ng	96
70) Phenanthrene	17.46	178	1615325	40.48	ng	97
71) Anthracene	17.55	178	1677999	41.24	ng	99
72) Carbazole	17.81	167	1594001	39.00	ng	97
73) Di-n-butylphthalate	18.38	149	1822944	45.43	ng #	94
74) Fluoranthene	19.46	202	1844042	41.97	ng	95
76) Benzidine	19.63	184	508037	21.61	ng	98
77) Pyrene	19.82	202	1863765	39.56	ng	99
79) Butylbenzylphthalate	20.70	149	814147	45.54	ng	91
80) Benzo(a)anthracene	21.65	228	1772724	40.76	ng	97
81) 3,3'-Dichlorobenzidine	21.57	252	330936	21.35	ng #	97
82) Chrysene	21.72	228	1627654	38.92	ng	97
83) Bis(2-ethylhexyl)phthalate	21.57	149	1181238	45.76	ng	99
84) Di-n-octyl phthalate	22.78	149	2009667	47.14	ng #	87
85) Indeno(1,2,3-cd)pyrene	28.55	276	2108392	42.80	ng #	91
87) Benzo(b)fluoranthene	23.87	252	1808355	40.70	ng #	96
88) Benzo(k)fluoranthene	23.94	252	1783856	41.15	ng #	92
89) Benzo(a)pyrene	24.73	252	1762192	41.89	ng #	94
90) Dibenzo(a,h)anthracene	28.61	278	1733947	41.03	ng #	93
91) Benzo(g,h,i)perylene	29.69	276	1746813	41.22	ng #	88

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

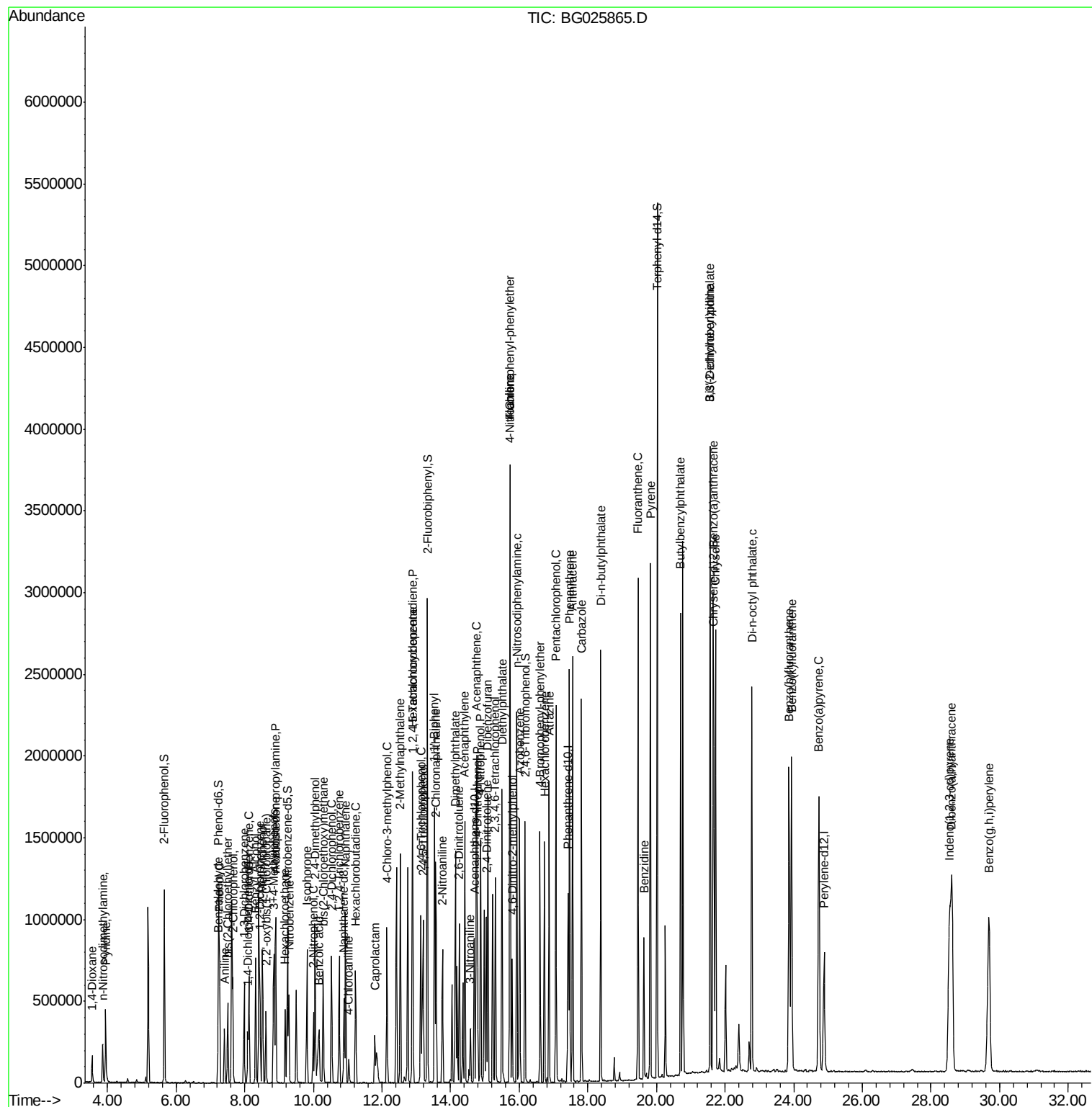
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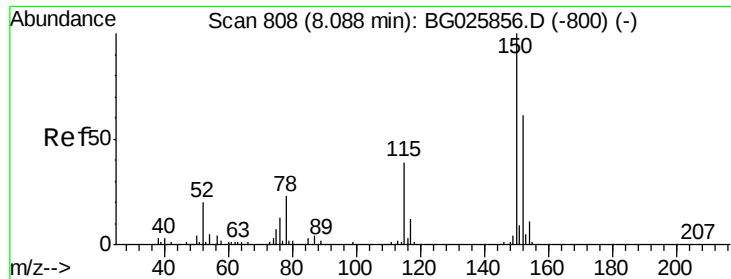
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 808

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

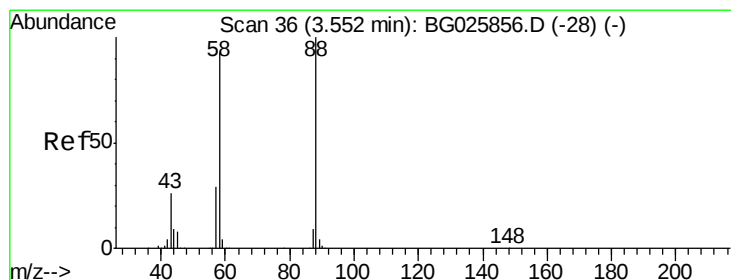
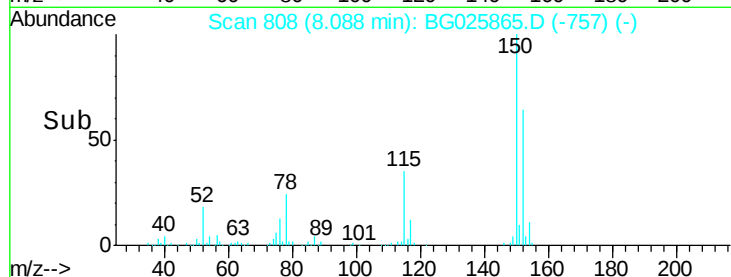
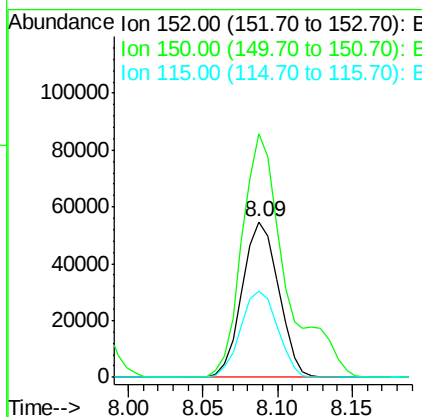
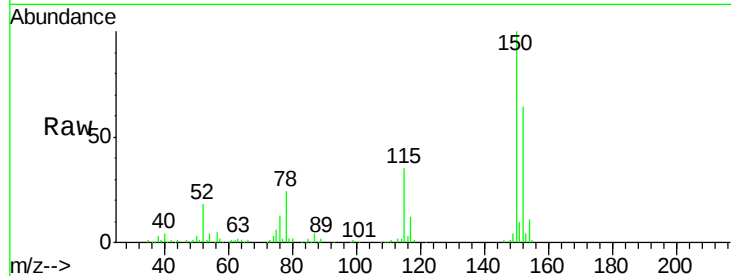
ClientSampleId :

PB97017BSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	114.0	171.0
115	55.4	48.1	72.1

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#2

1,4-Dioxane

Concen: 33.14 ng

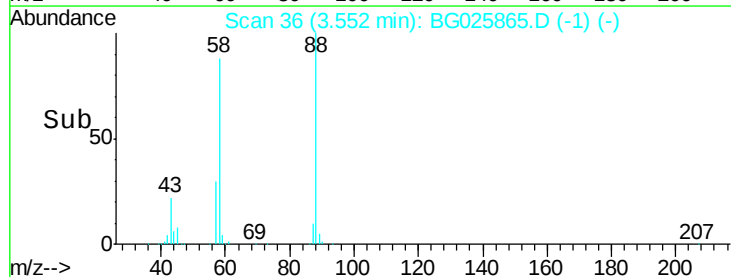
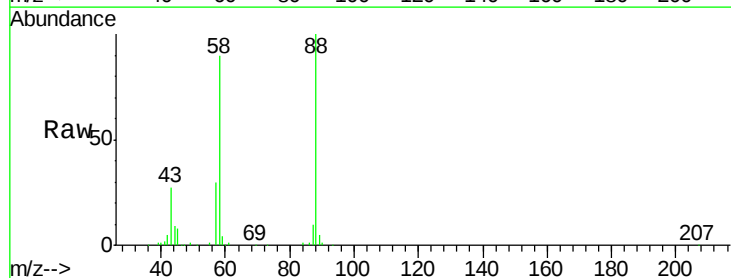
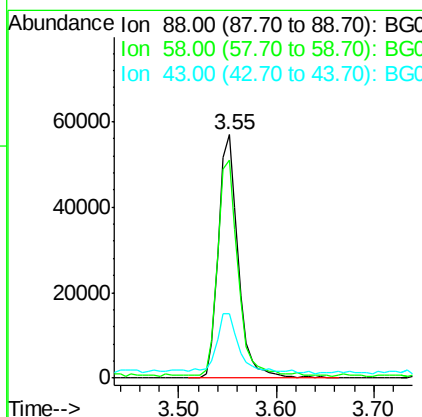
RT: 3.55 min Scan# 36

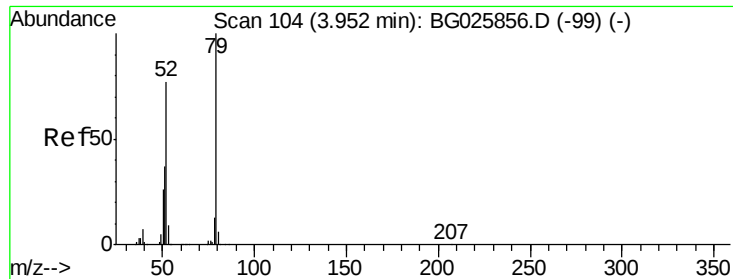
Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.7	79.4	119.2
43	25.5	33.8	50.6#





#3

Pyridine

Concen: 33.01 ng

RT: 3.95 min Scan# 103

Delta R.T. -0.01 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion: 79 Resp: 238637

Ion Ratio Lower Upper

79 100

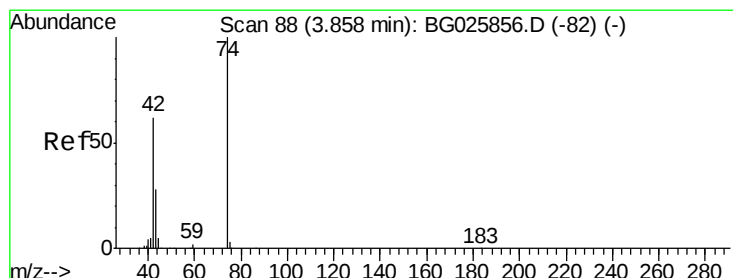
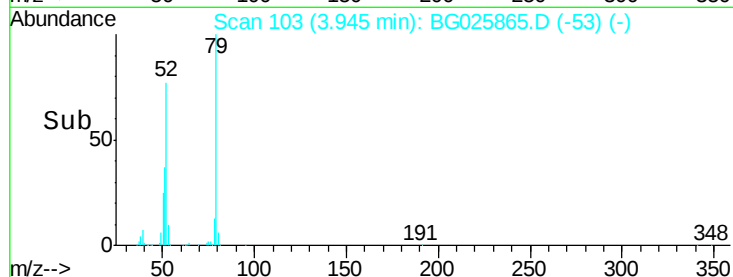
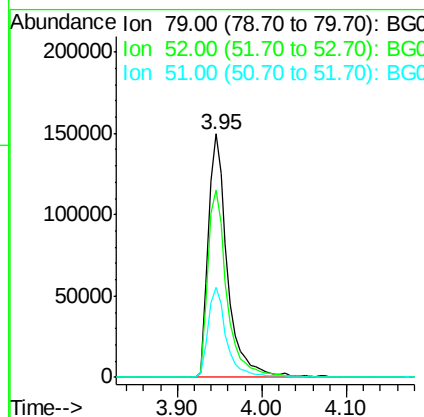
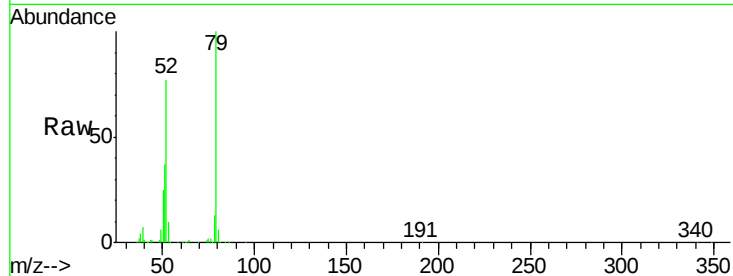
52 77.0 77.8 116.6#

51 36.9 43.2 64.8#

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#4

n-Nitrosodimethylamine

Concen: 40.09 ng

RT: 3.86 min Scan# 88

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

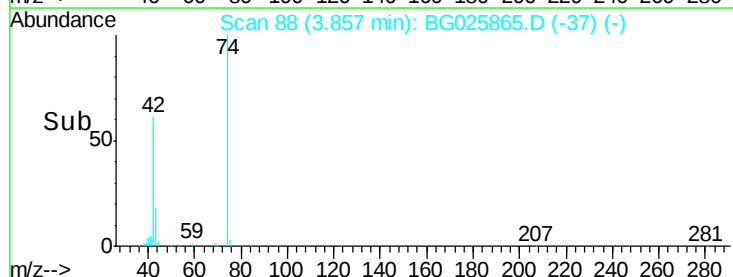
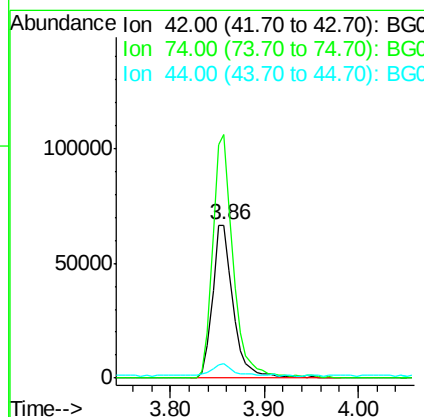
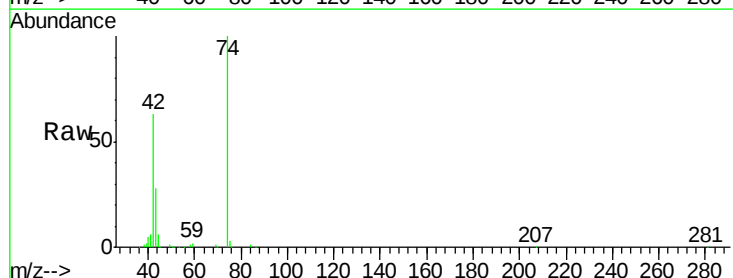
Tgt Ion: 42 Resp: 104214

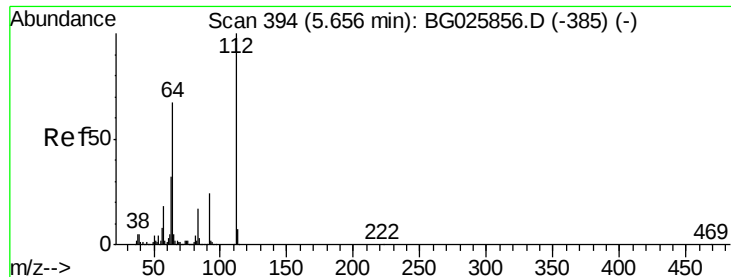
Ion Ratio Lower Upper

42 100

74 159.0 76.7 115.1#

44 9.8 6.1 9.1#





#5

2-Fluorophenol

Concen: 99.40 ng

RT: 5.66 min Scan# 394

Delta R.T. 0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

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Tgt Ion: 112 Resp: 527598

Ion Ratio Lower Upper

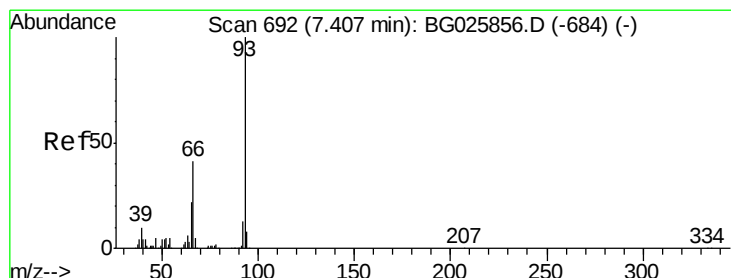
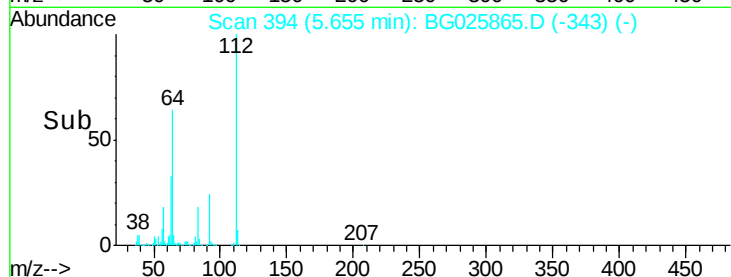
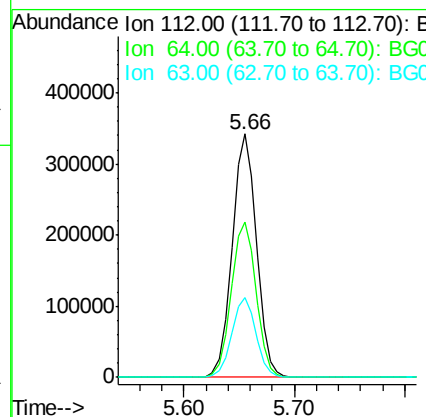
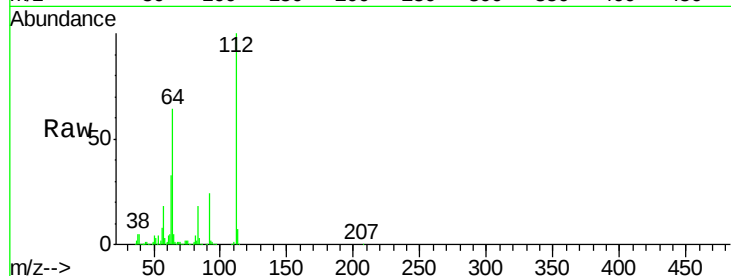
112 100

64 64.0 61.8 92.6

63 32.7 37.2 55.8#

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#6

Aniline

Concen: 20.66 ng

RT: 7.41 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

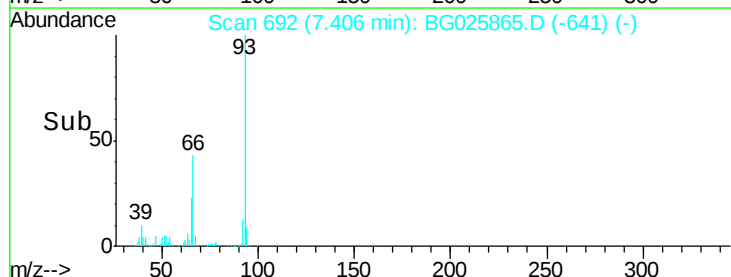
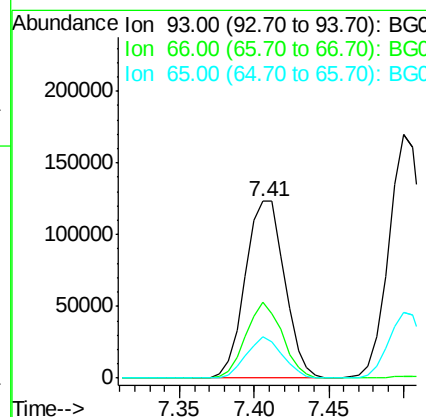
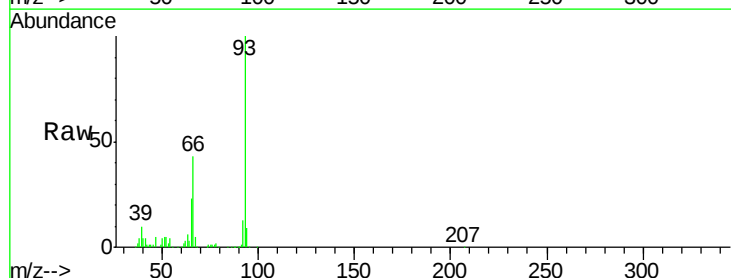
Tgt Ion: 93 Resp: 225559

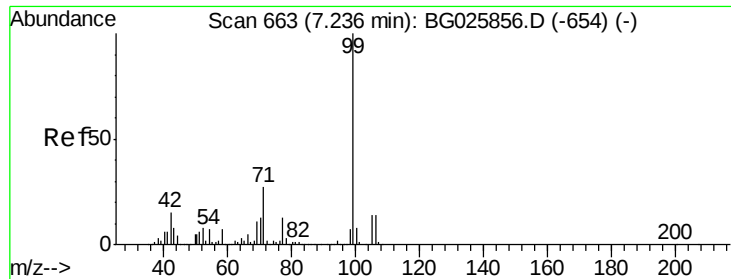
Ion Ratio Lower Upper

93 100

66 42.6 35.4 53.2

65 23.3 21.2 31.8





#7

Phenol-d6

Concen: 93.50 ng

RT: 7.24 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion: 99 Resp: 734347
Ion Ratio Lower Upper

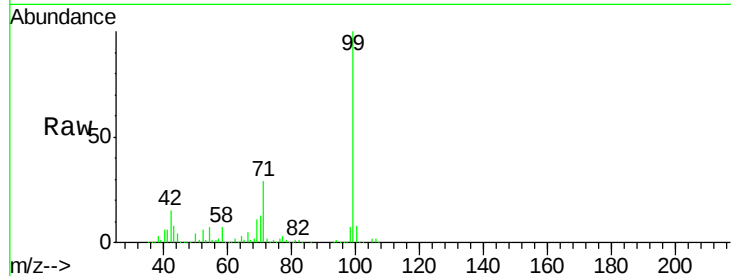
99 100

42 14.7 20.5 30.7#

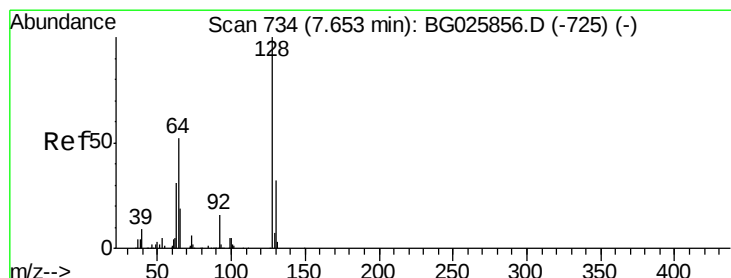
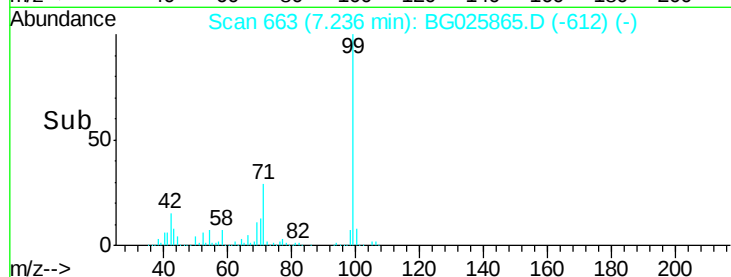
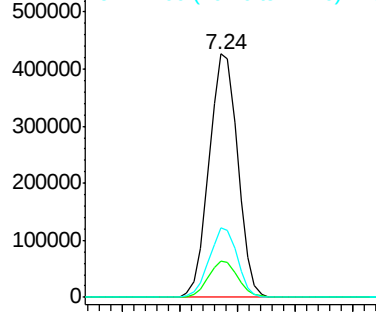
71 28.7 37.6 56.4#

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 46.55 ng

RT: 7.65 min Scan# 734

Delta R.T. -0.00 min

Lab File: BG025865.D

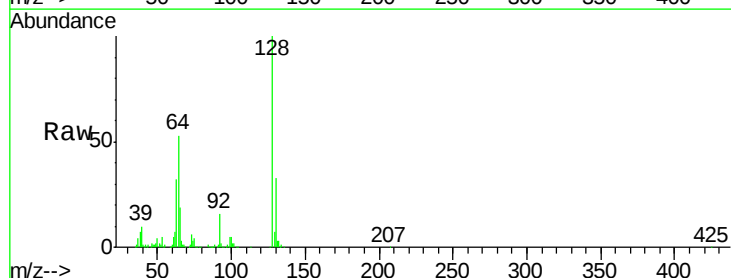
Acq: 17 Feb 2017 18:58

Tgt Ion: 128 Resp: 293627
Ion Ratio Lower Upper

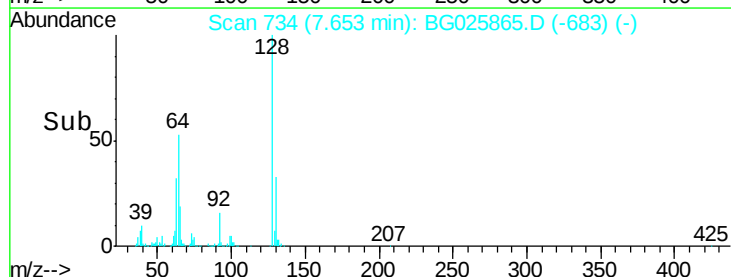
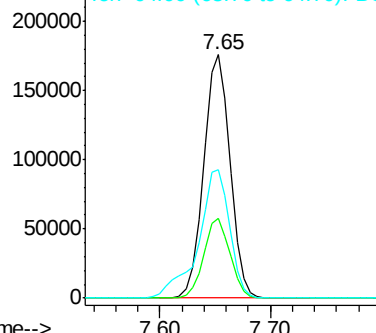
128 100

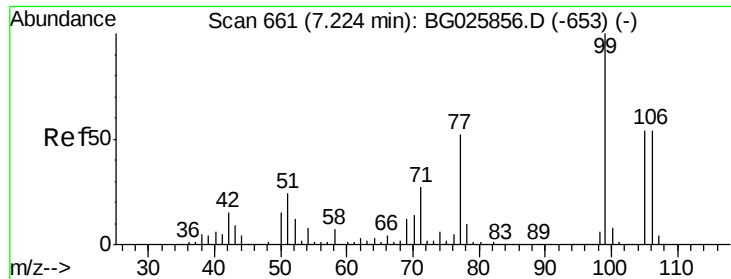
130 32.7 11.4 51.4

64 52.7 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 10.37 ng

RT: 7.22 min Scan# 660

Delta R.T. -0.01 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

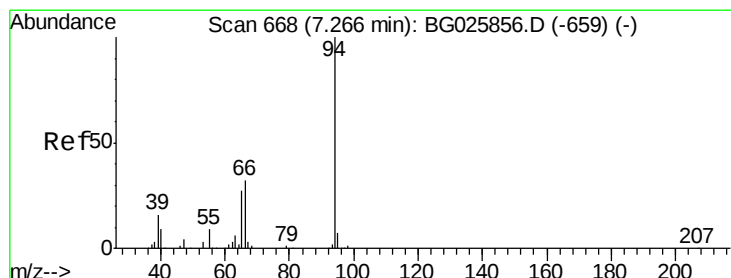
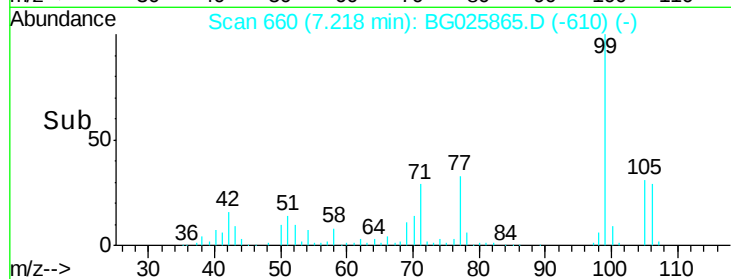
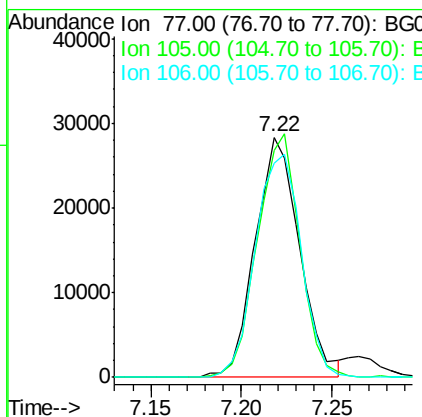
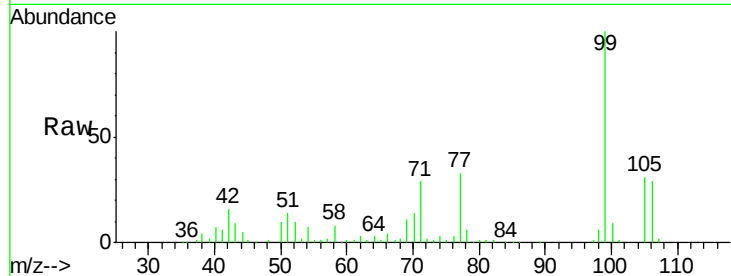
ClientSampleId :

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Tgt Ion:	77	Resp:	48277
Ion	Ratio	Lower	Upper
77	100		
105	94.3	60.9	100.9
106	88.9	55.1	95.1

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#10

Phenol

Concen: 46.87 ng

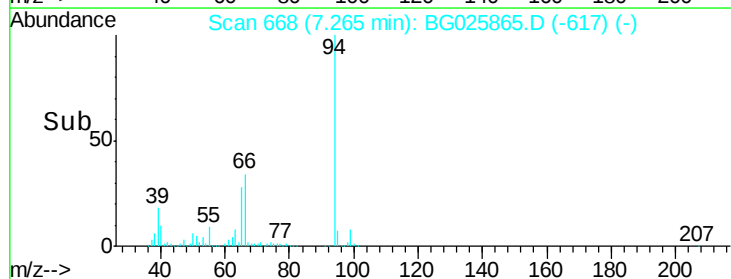
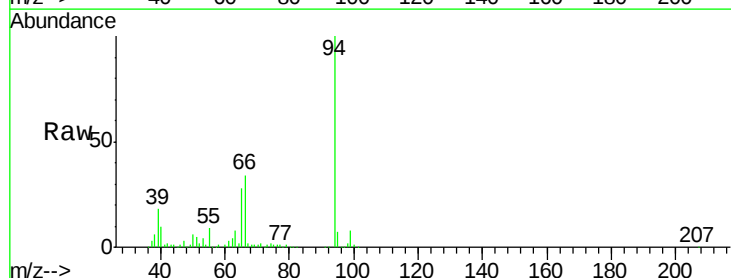
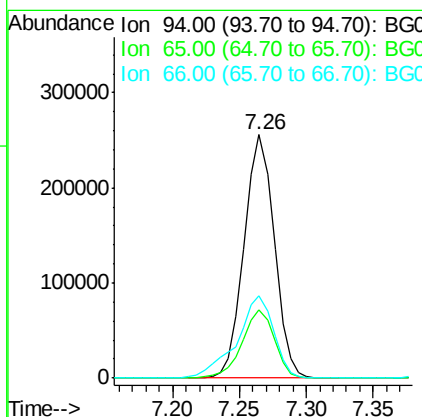
RT: 7.26 min Scan# 668

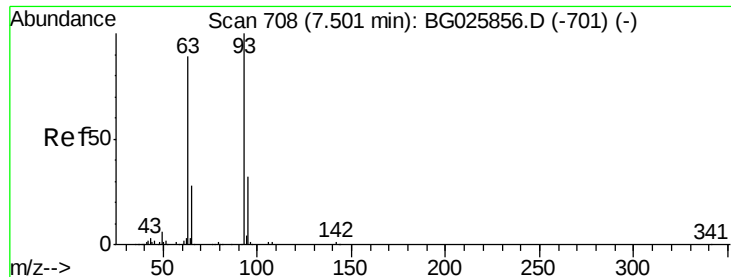
Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion:	94	Resp:	400005
Ion	Ratio	Lower	Upper
94	100		
65	27.9	20.6	60.6
66	33.6	35.5	75.5#





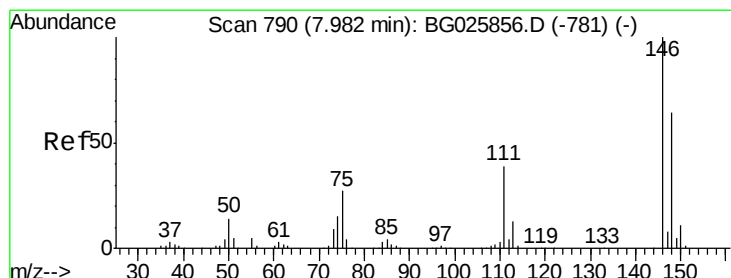
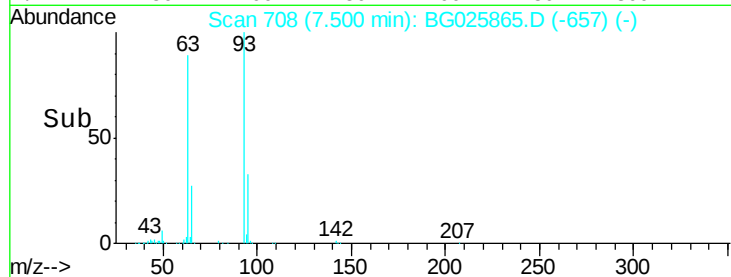
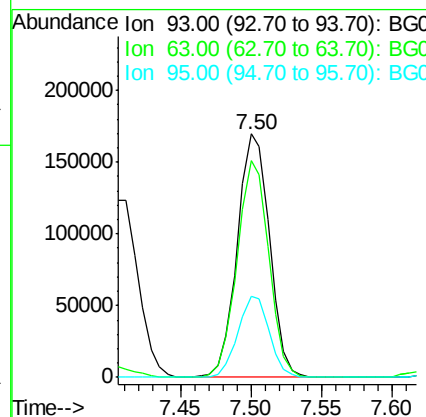
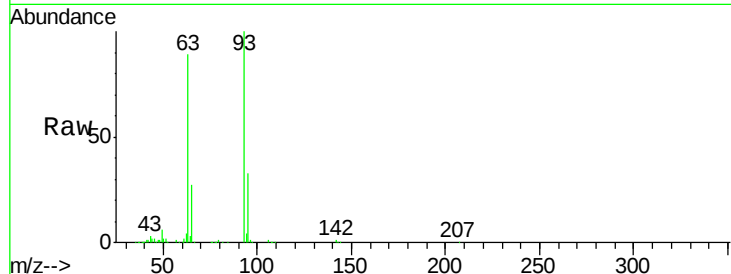
#11
bis(2-Chloroethyl)ether
Concen: 38.41 ng
RT: 7.50 min Scan# 708
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	269456		
63	89.2	78.5	118.5	
95	33.1	9.8	49.8	

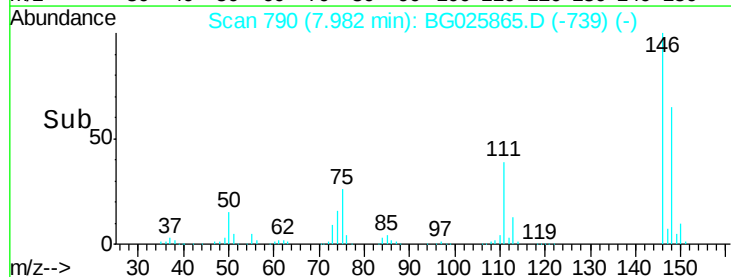
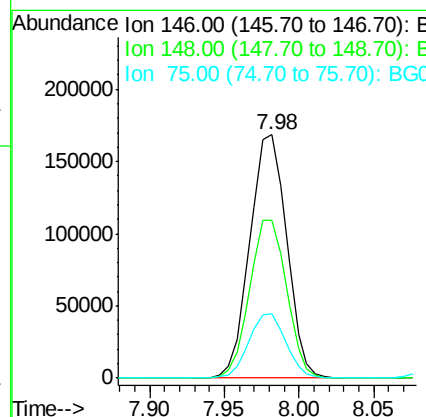
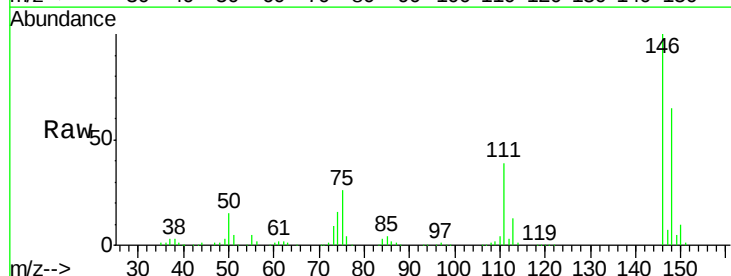
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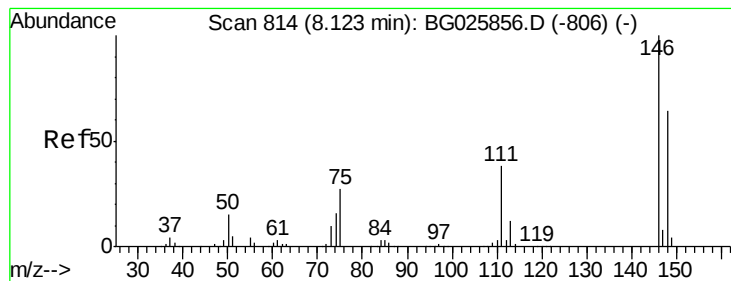
mohammad
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#12
1,3-Dichlorobenzene
Concen: 39.41 ng
RT: 7.98 min Scan# 790
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	287397		
148	64.8	49.2	73.8	
75	26.3	33.4	50.2	





#13

1,4-Dichlorobenzene

Concen: 40.21 ng

RT: 8.12 min Scan# 814

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

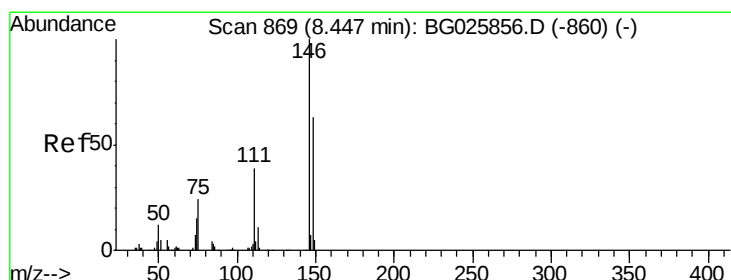
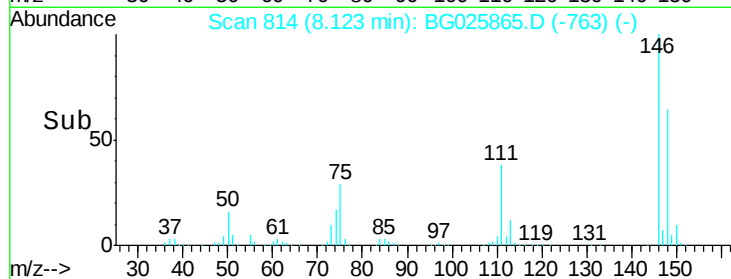
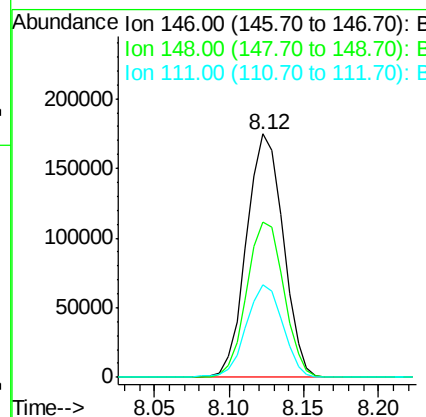
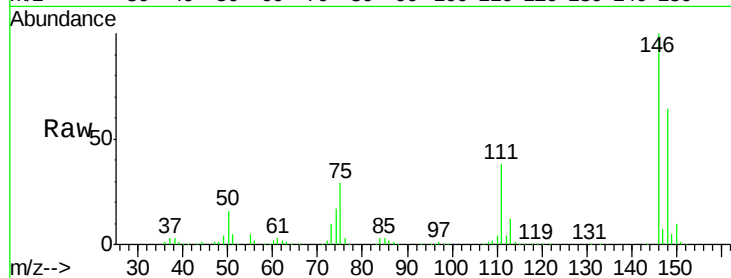
ClientSampleId :

PB97017BSD

Tgt Ion:	146	Resp:	297049
Ion Ratio	Lower	Upper	
146	100		
148	63.9	52.2	78.2
111	38.2	37.0	55.6

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#14

1,2-Dichlorobenzene

Concen: 39.78 ng

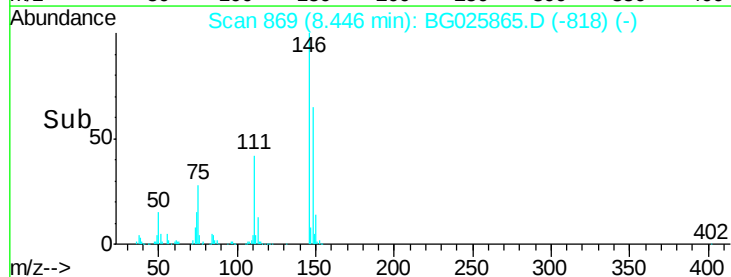
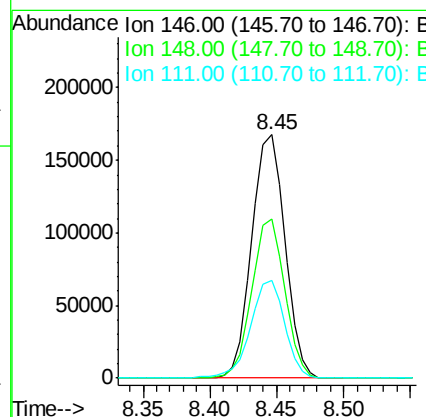
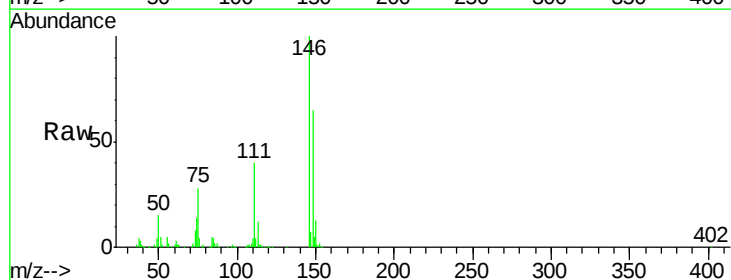
RT: 8.45 min Scan# 869

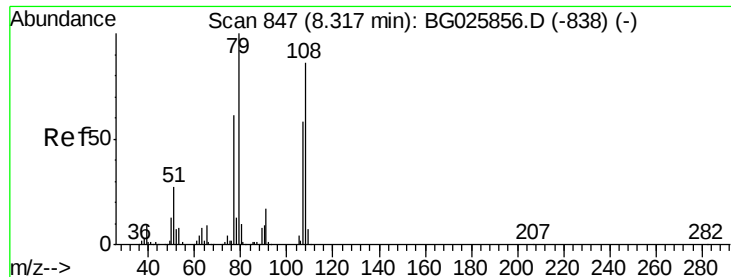
Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion:	146	Resp:	288459
Ion Ratio	Lower	Upper	
146	100		
148	65.3	54.6	81.8
111	40.1	39.7	59.5





#15

Benzyl Alcohol

Concen: 44.95 ng

RT: 8.32 min Scan# 847

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

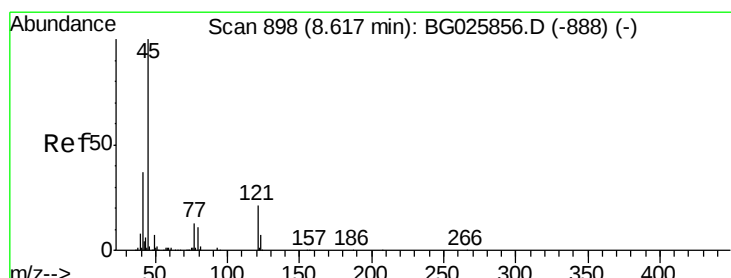
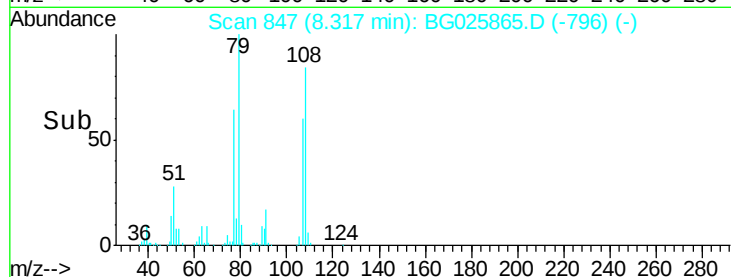
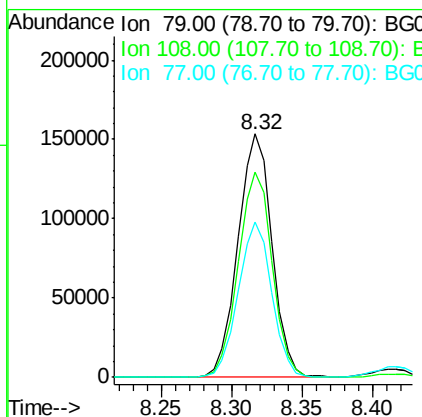
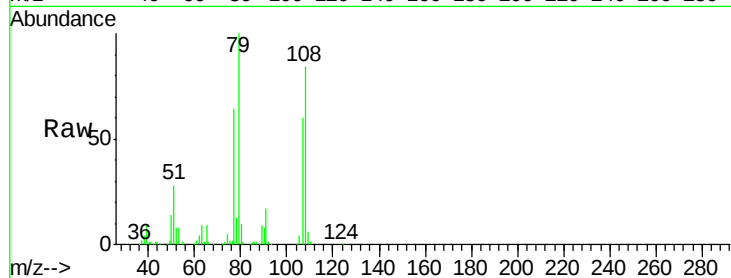
ClientSampleId :

PB97017BSD

Tgt Ion:	79	Resp:	258553
Ion Ratio	Lower	Upper	
79	100		
108	84.3	45.5	68.3#
77	63.5	54.3	81.5

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.73 ng

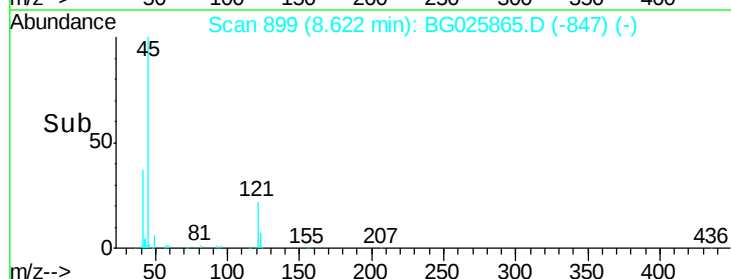
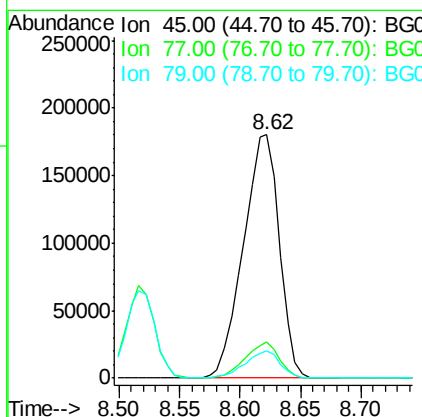
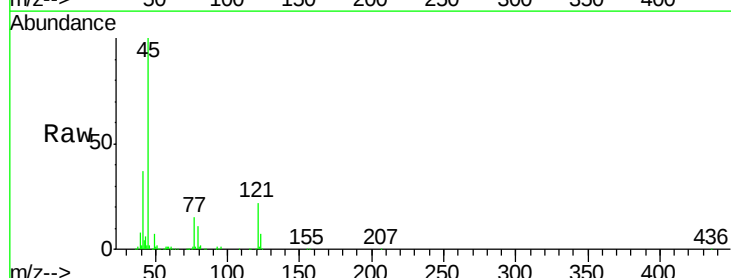
RT: 8.62 min Scan# 899

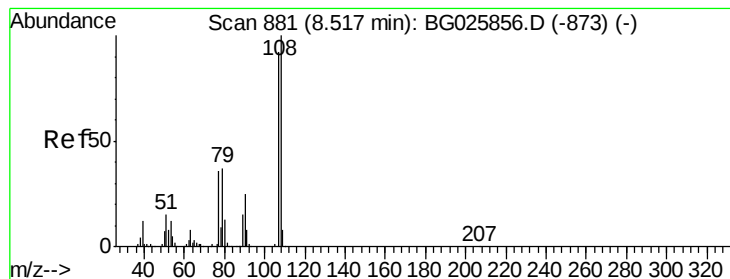
Delta R.T. 0.01 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

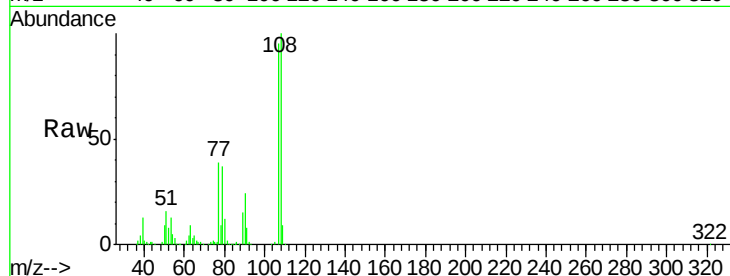
Tgt Ion:	45	Resp:	373958
Ion Ratio	Lower	Upper	
45	100		
77	14.8	0.0	30.6
79	11.3	0.0	28.5





#17
2-Methylphenol
Concen: 44.51 ng
RT: 8.52 min Scan# 881
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

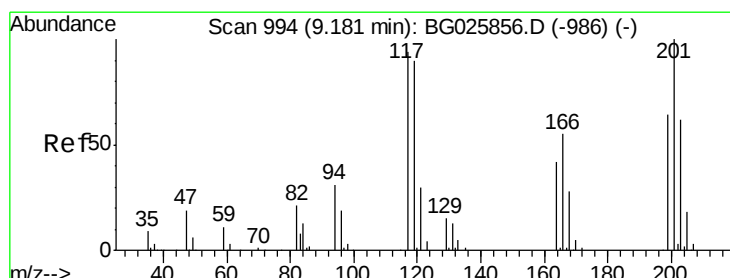
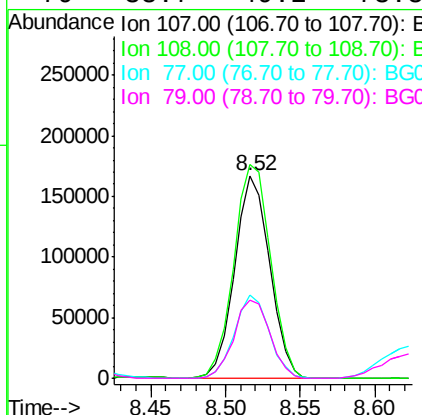
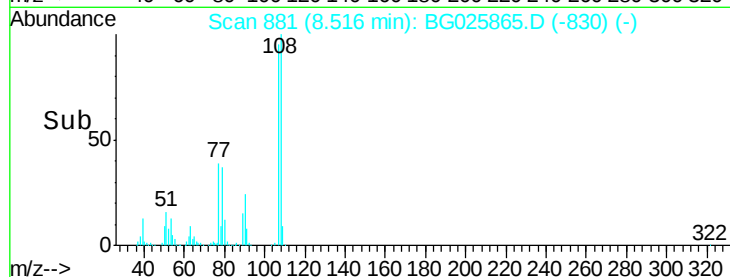
Instrument :
BNA_G
ClientSampleId :
PB97017BSD



Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	105.5	85.6	128.4	
77	41.3	51.4	77.2#	
79	38.7	49.2	73.8#	

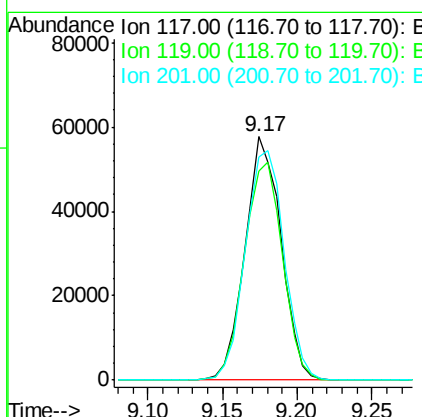
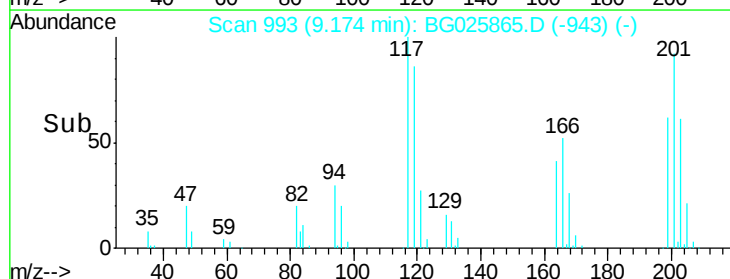
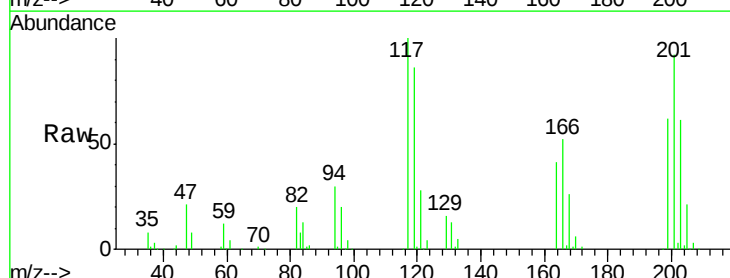
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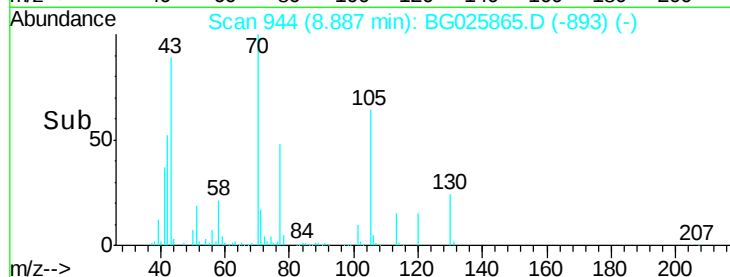
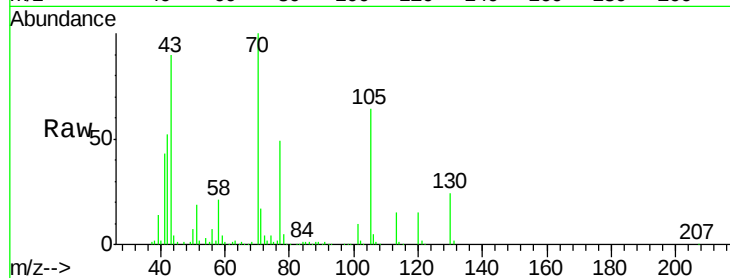
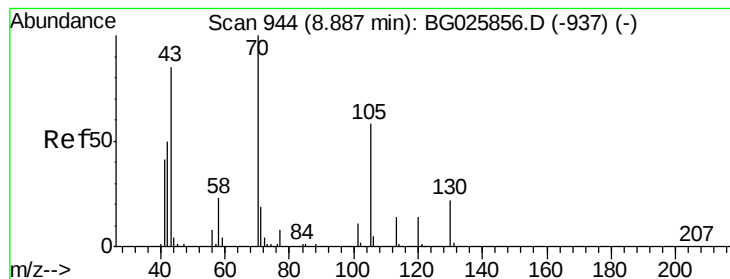
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#18
Hexachloroethane
Concen: 39.36 ng
RT: 9.17 min Scan# 993
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	85.8	69.8	104.6	
201	91.9	95.4	143.0#	





#19

n-Nitroso-di-n-propylamine

Concen: 37.68 ng

RT: 8.89 min Scan# 944

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion: 70 Resp: 216176

Ion Ratio Lower Upper

70 100

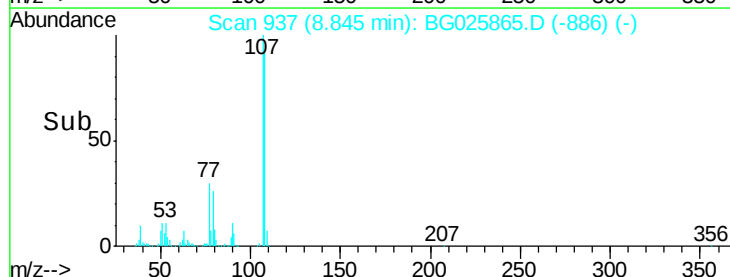
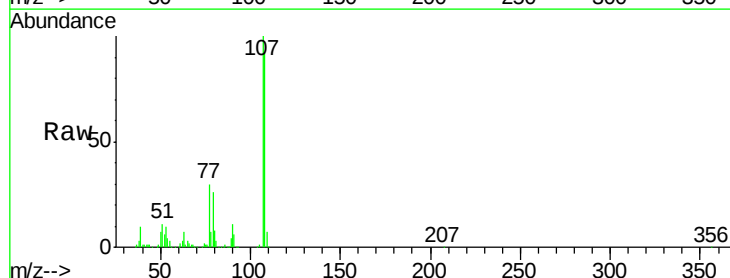
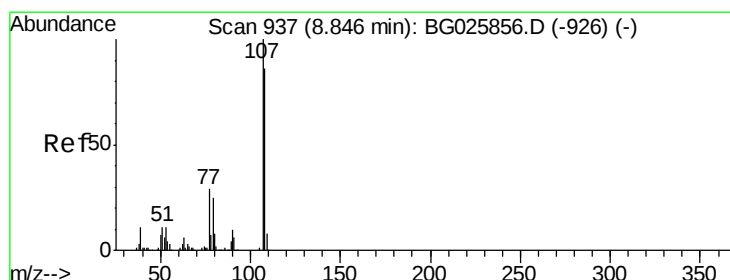
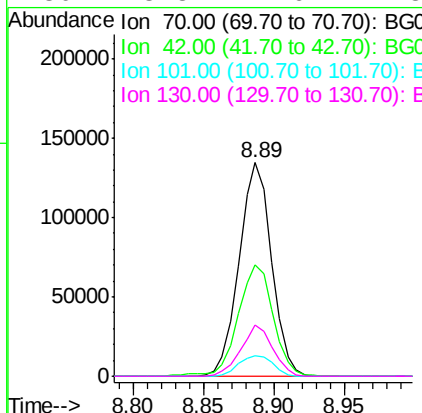
42 52.3 56.1 84.1#

101 9.6 7.5 11.3

130 23.8 14.6 21.8#

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#20

3+4-Methylphenols

Concen: 43.61 ng

RT: 8.85 min Scan# 937

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion: 107 Resp: 382041

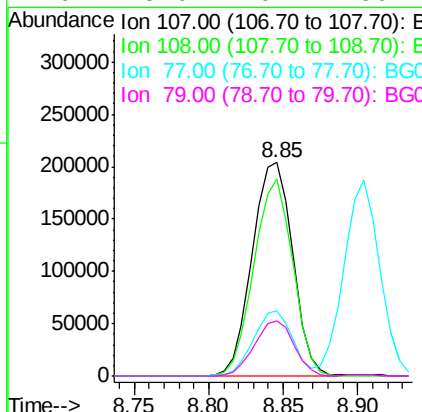
Ion Ratio Lower Upper

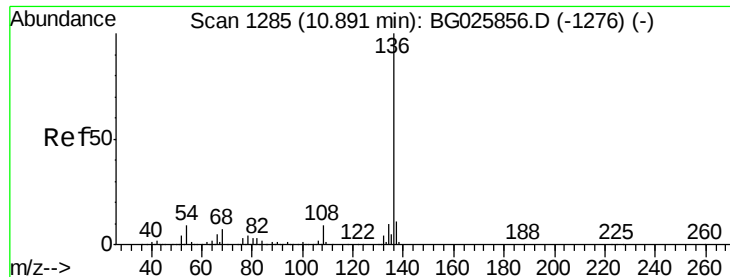
107 100

108 92.5 70.8 110.8

77 30.3 25.8 65.8

79 26.0 20.1 60.1





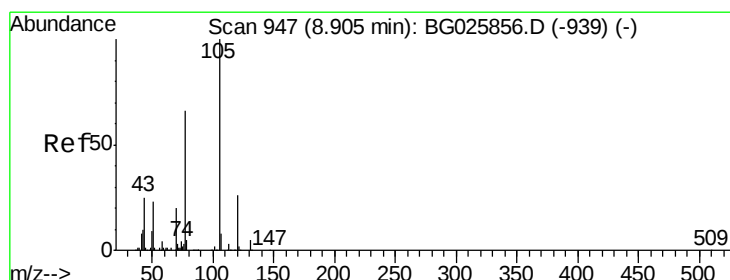
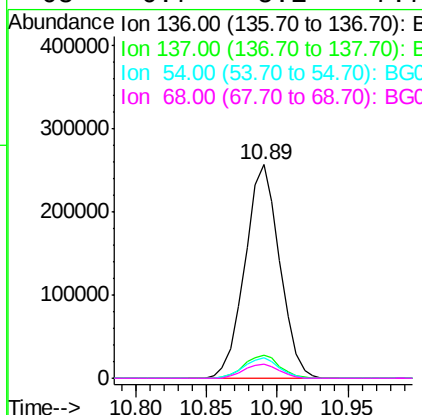
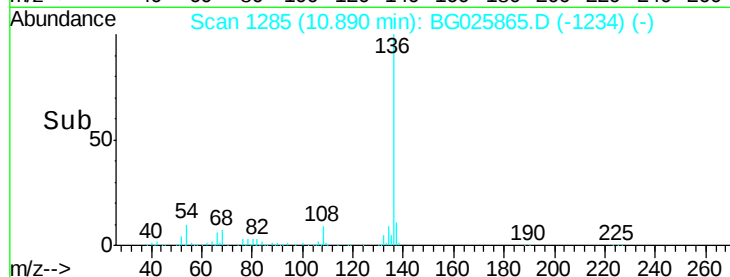
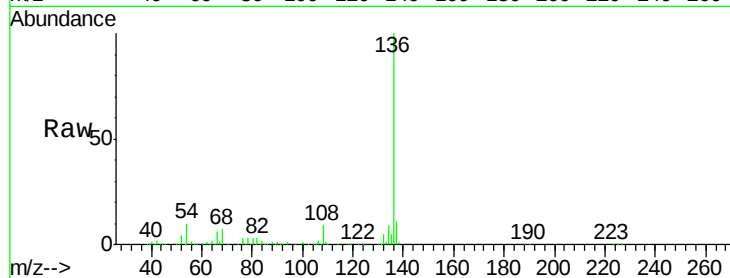
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	442668		
137	10.9		8.9	13.3
54	9.5		9.3	13.9
68	6.7		5.1	7.7

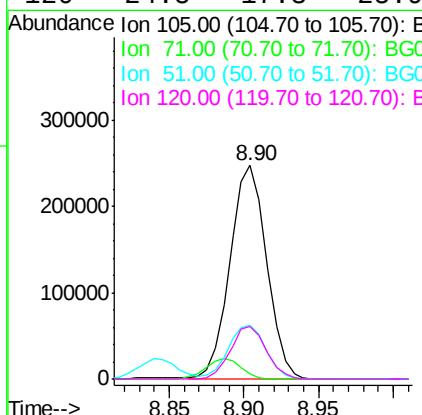
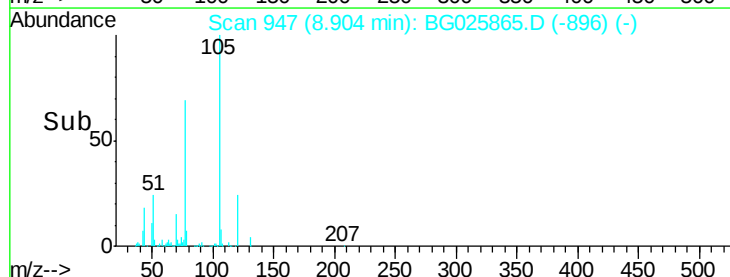
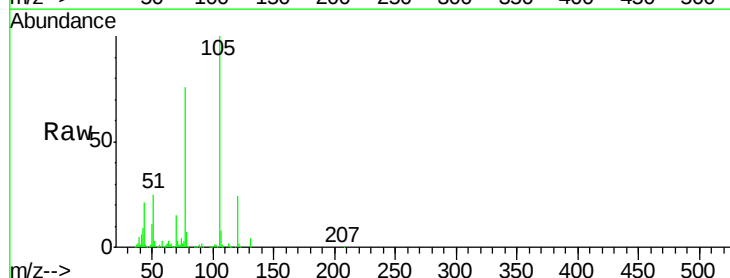
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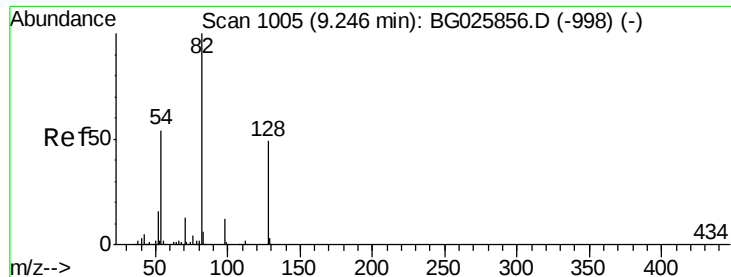
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#22
Acetophenone
Concen: 39.86 ng
RT: 8.90 min Scan# 947
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	423373		
71	2.6		0.9	1.3#
51	25.3		34.0	51.0#
120	24.5		17.3	25.9





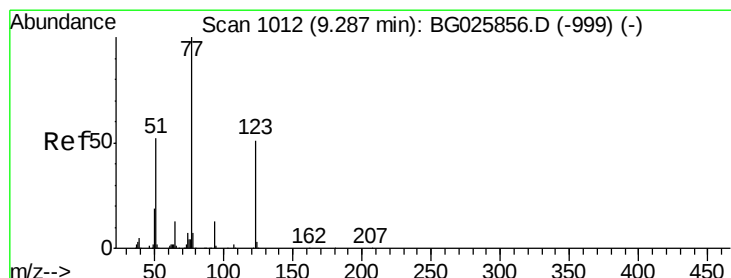
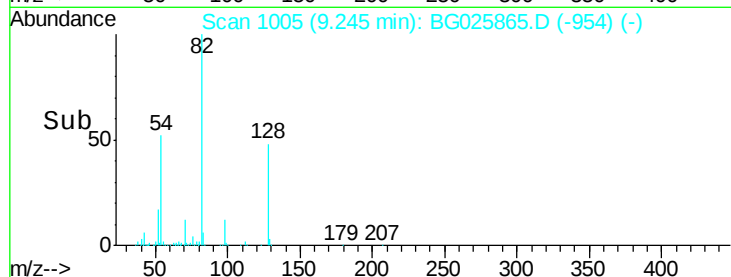
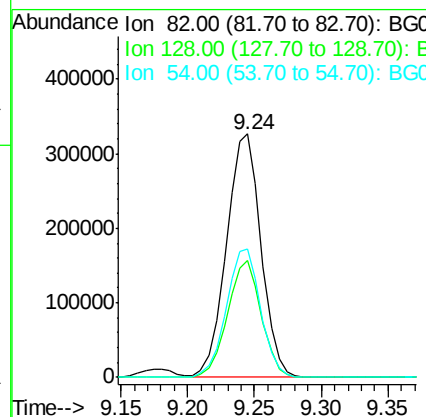
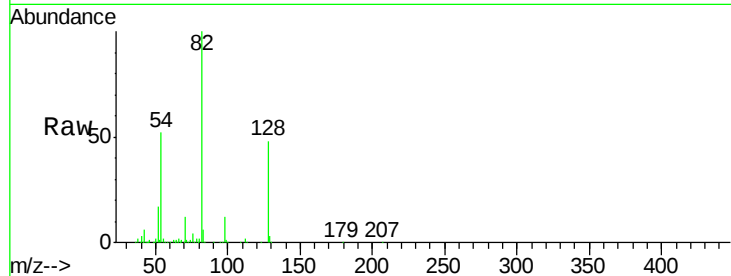
#23
 Nitrobenzene-d5
 Concen: 83.87 ng
 RT: 9.24 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.0	26.4	39.6#
54	52.5	49.4	74.2

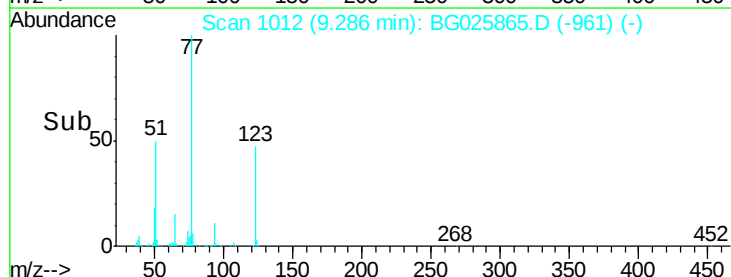
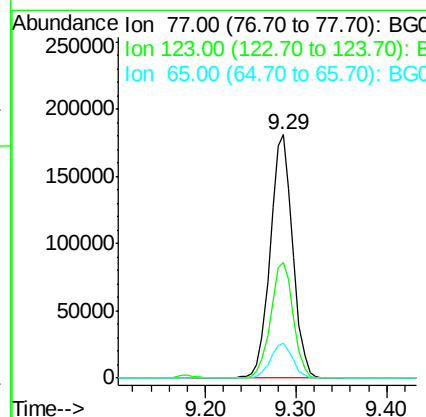
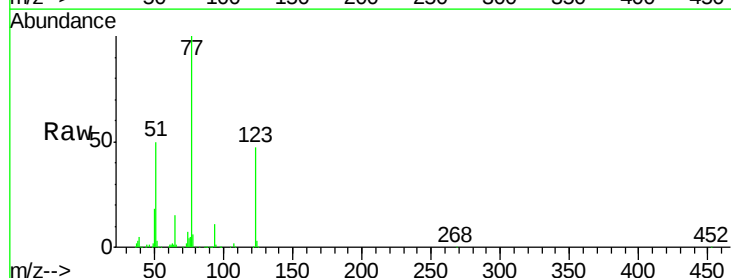
Manual Integrations
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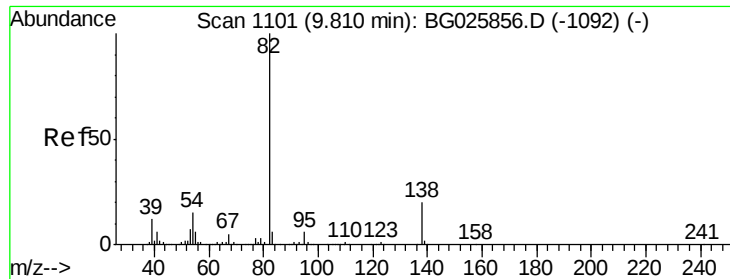
mohammad
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#24
 Nitrobenzene
 Concen: 41.47 ng
 RT: 9.29 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.3	26.1	39.1#
65	14.5	12.4	18.6





#25

Isophorone

Concen: 40.43 ng

RT: 9.81 min Scan# 1101

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion: 82 Resp: 624082

Ion Ratio Lower Upper

82 100

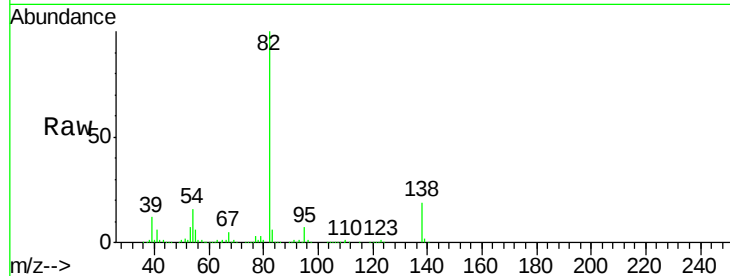
95 7.1 7.5 11.3#

138 18.8 12.3 18.5#

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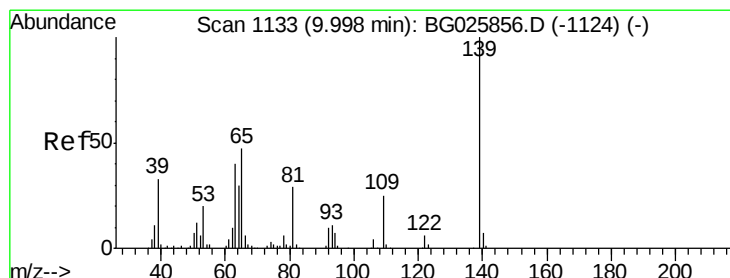
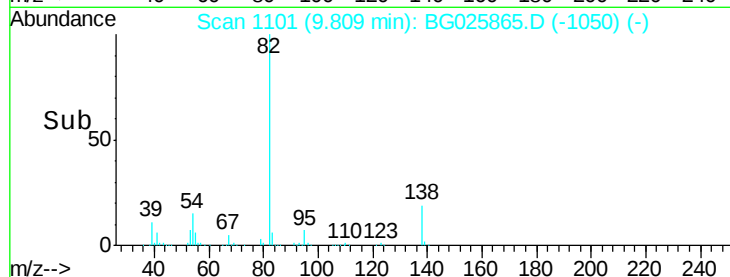
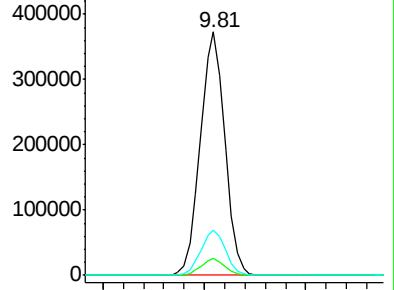
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Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 45.42 ng

RT: 10.00 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

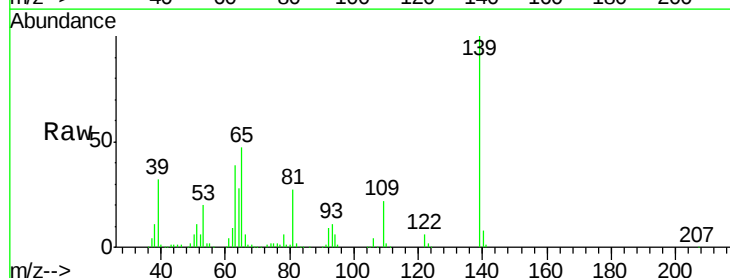
Tgt Ion: 139 Resp: 161107

Ion Ratio Lower Upper

139 100

109 22.1 38.6 58.0#

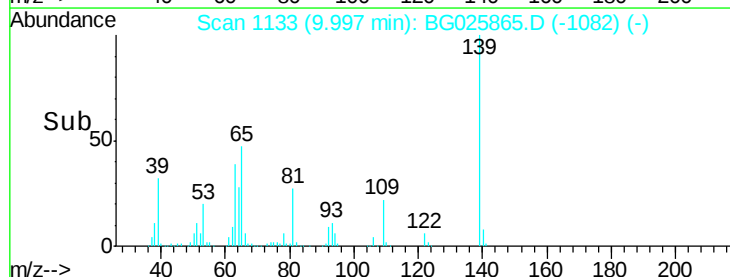
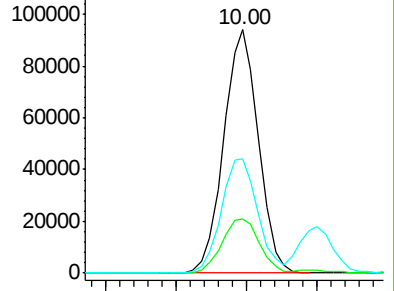
65 46.9 57.1 85.7#

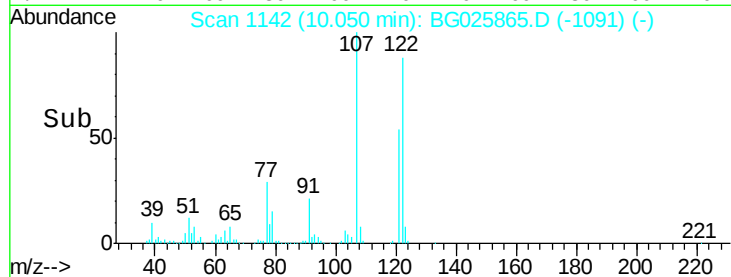
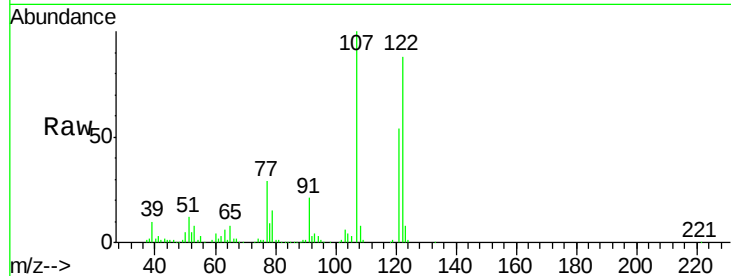
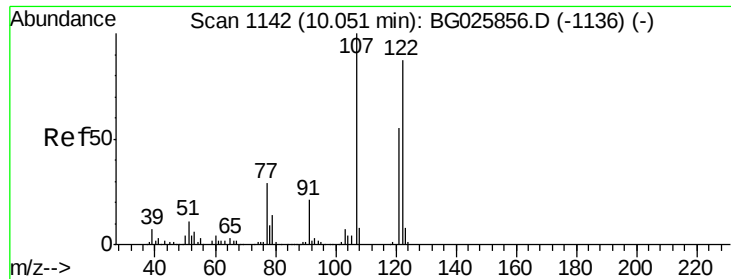


Abundance Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





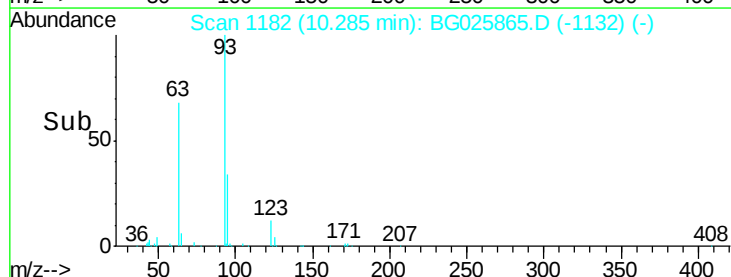
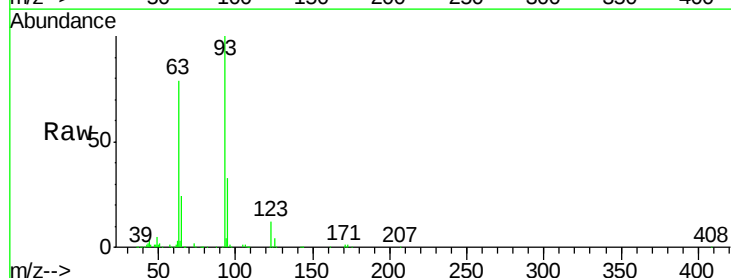
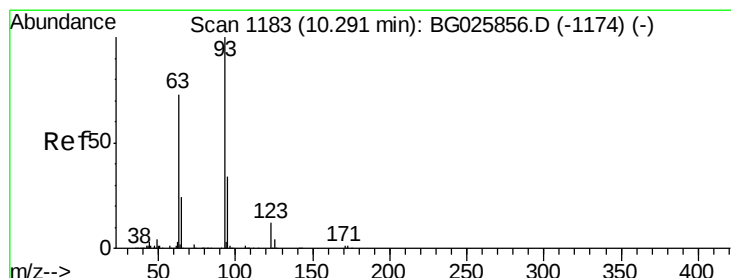
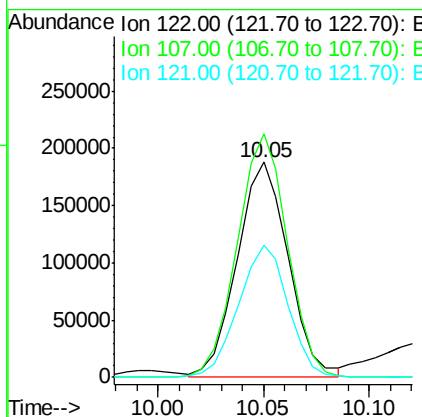
#27
2,4-Dimethylphenol
Concen: 47.37 ng
RT: 10.05 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.2	104.2	156.4
121	61.4	46.0	69.0

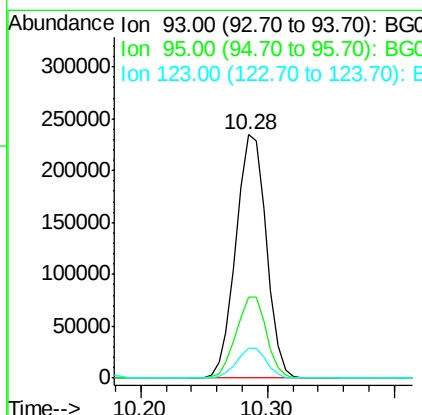
Manual Integrations
APPROVED

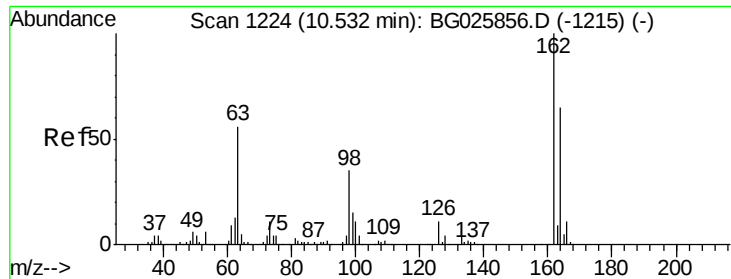
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 39.83 ng
RT: 10.28 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.7	38.5
123	12.1	8.3	12.5





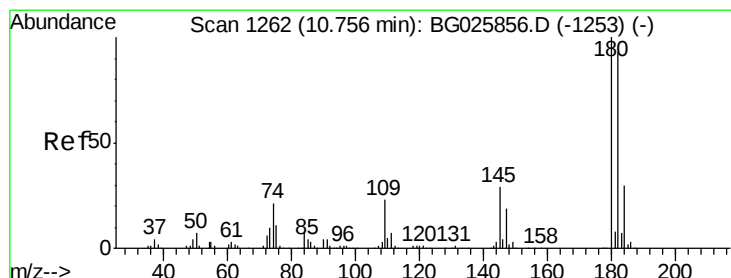
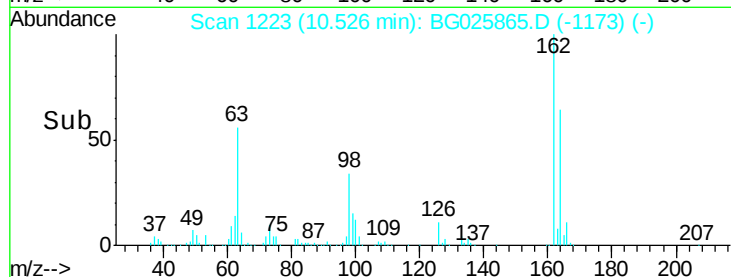
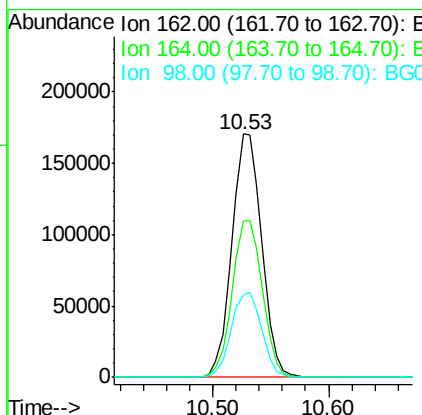
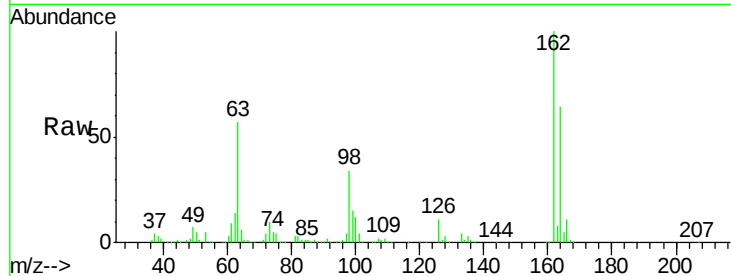
#29
2,4-Dichlorophenol
Concen: 48.16 ng
RT: 10.53 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	304286		
164	64.5	42.4	82.4	
98	33.9	20.3	60.3	

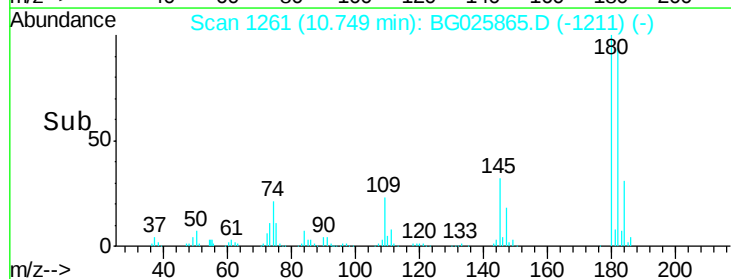
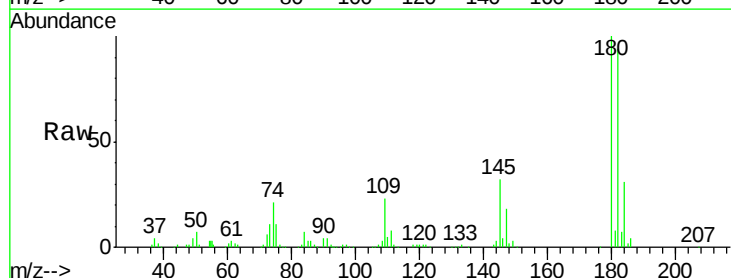
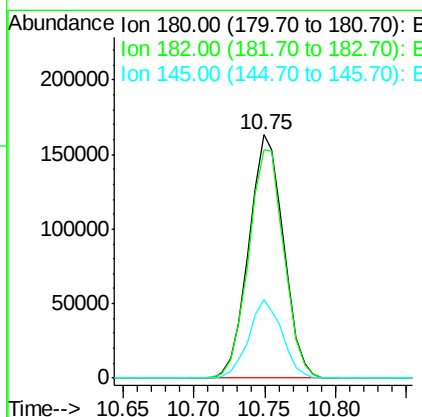
Manual Integrations
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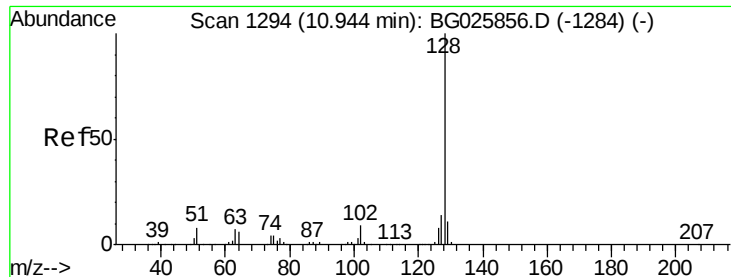
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#30
1,2,4-Trichlorobenzene
Concen: 41.00 ng
RT: 10.75 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	281751		
182	93.8	77.0	115.4	
145	32.2	23.4	35.0	





#31

Naphthalene

Concen: 40.09 ng

RT: 10.94 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

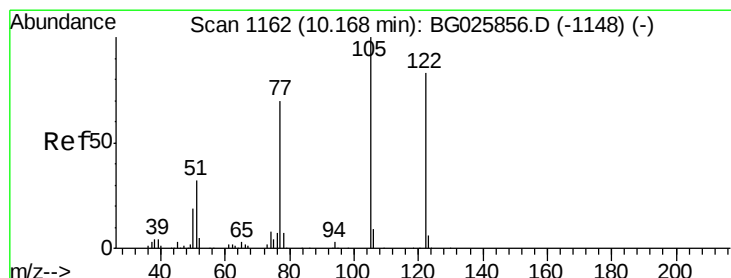
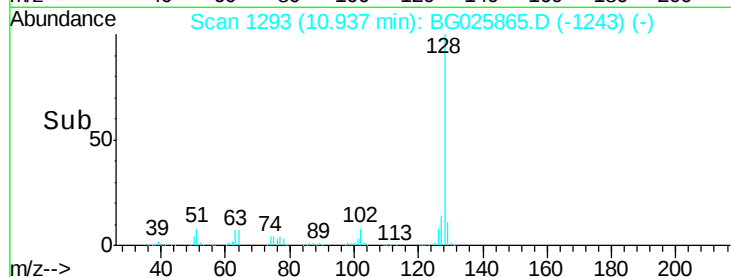
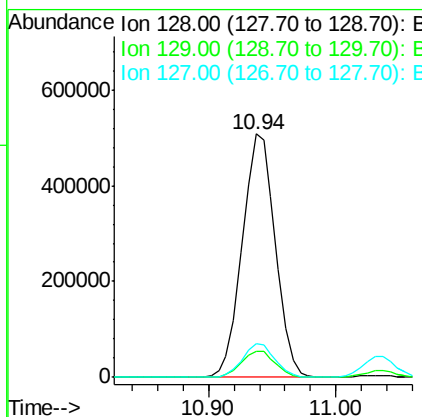
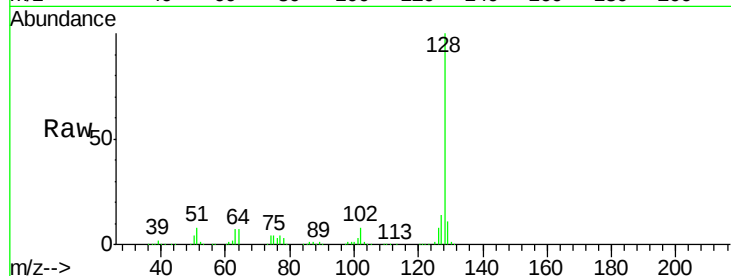
ClientSampleId :

PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	917614		
129	10.9	9.3	13.9	
127	13.9	11.4	17.0	

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#32

Benzoic acid

Concen: 43.53 ng

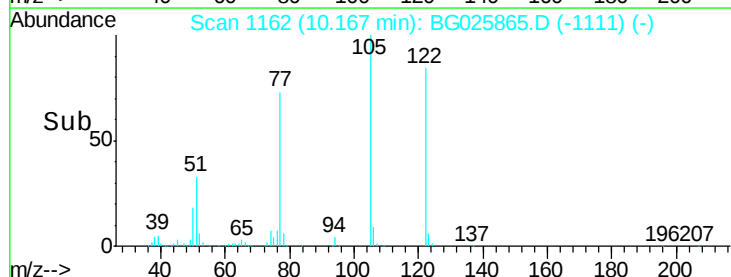
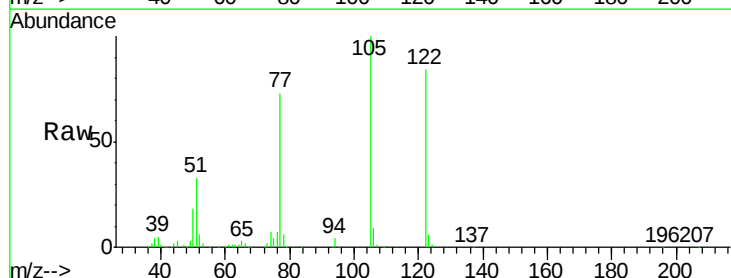
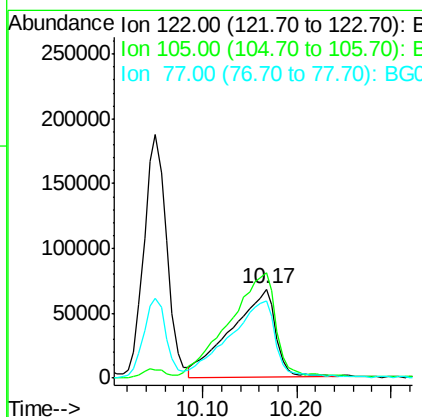
RT: 10.17 min Scan# 1162

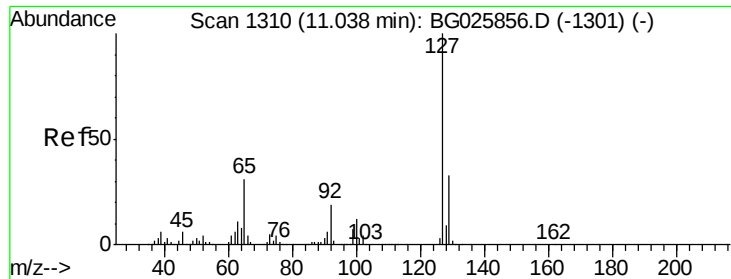
Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	220023		
105	119.1	120.1	160.1#	
77	87.4	104.6	144.6#	





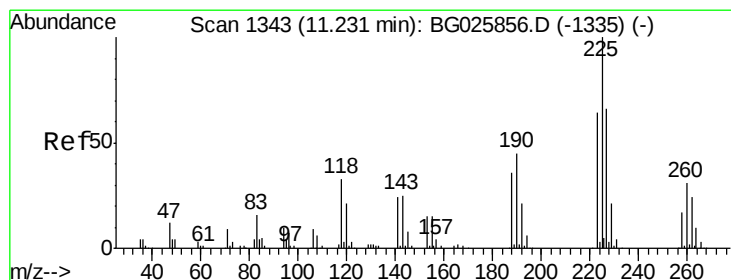
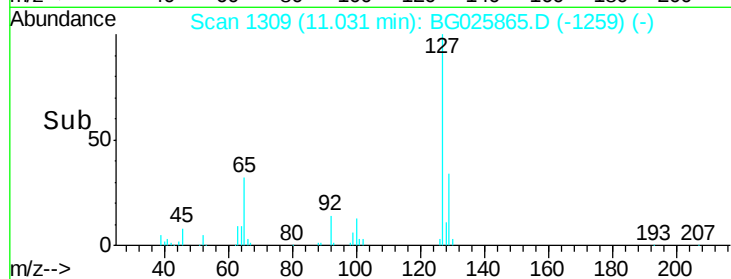
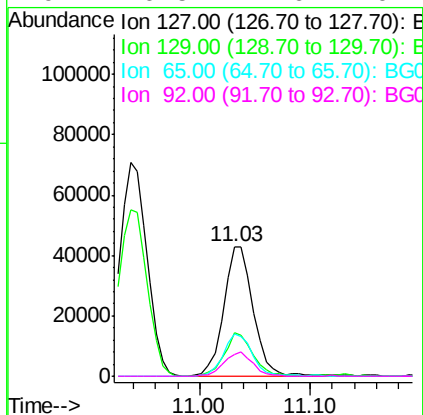
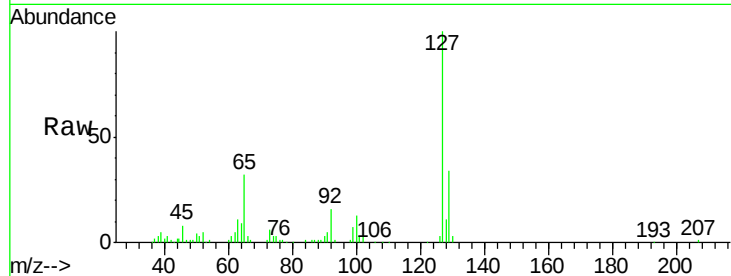
#33
4-Chloroaniline
Concen: 8.12 ng
RT: 11.03 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	80674		
129	33.9	23.6	35.4	
65	32.1	37.7	56.5	
92	16.5	17.6	26.4	

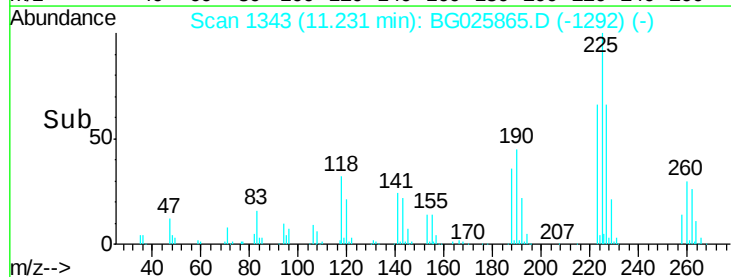
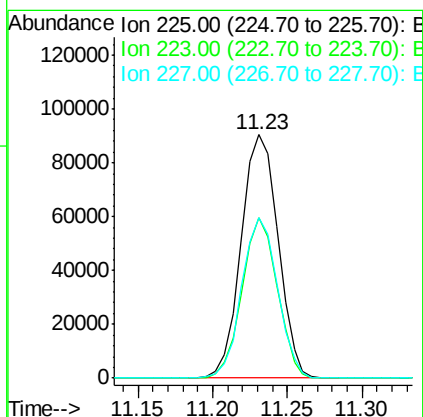
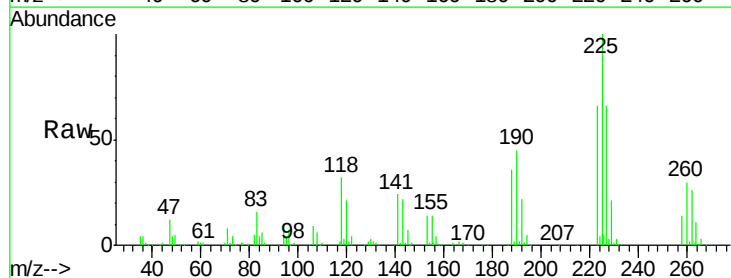
Manual Integrations
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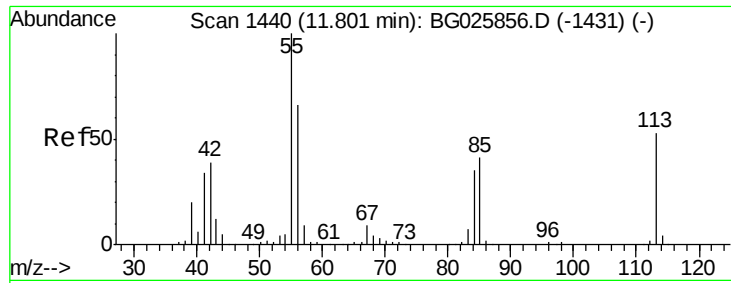
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#34
Hexachlorobutadiene
Concen: 39.63 ng
RT: 11.23 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154978		
223	65.9	50.7	76.1	
227	65.7	49.0	73.6	





#35

Caprolactam

Concen: 49.03 ng m

RT: 11.79 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion:113 Resp: 125121
Ion Ratio Lower Upper

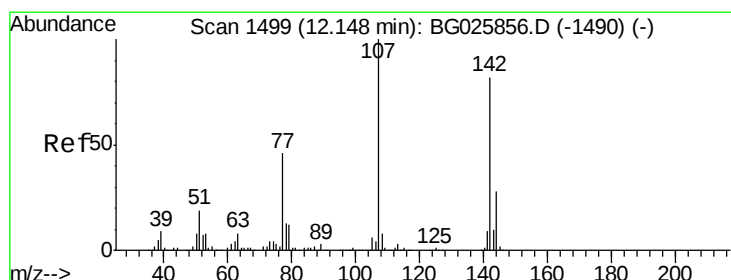
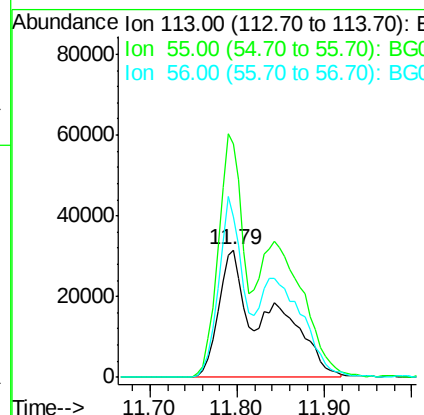
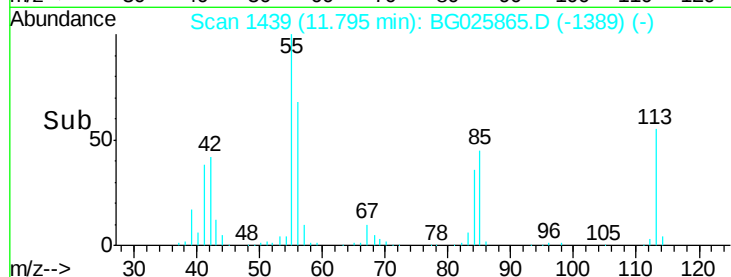
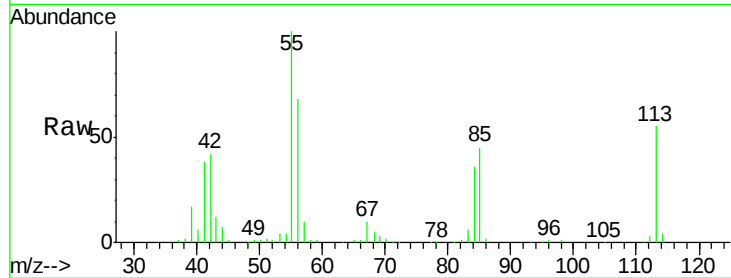
113 100

55 183.2 198.6 238.6#

56 125.4 140.4 180.4#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 47.31 ng

RT: 12.14 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BG025865.D

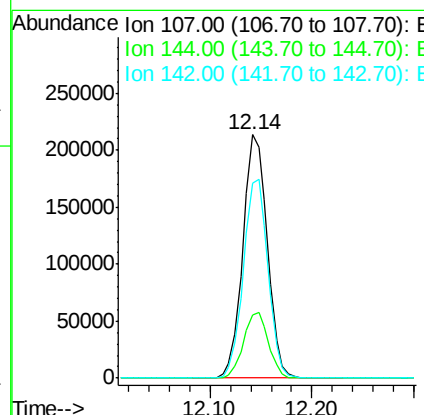
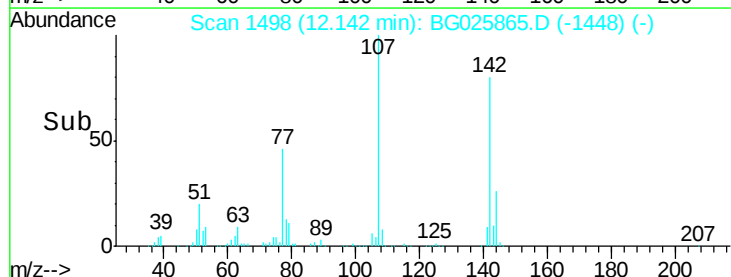
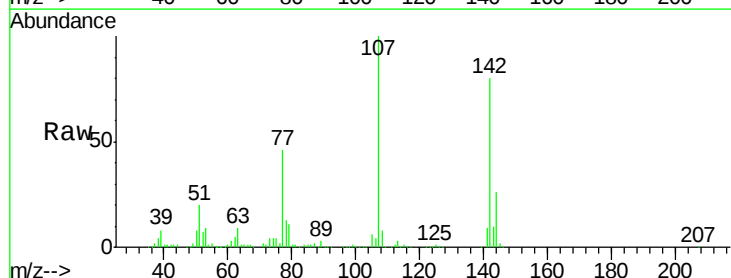
Acq: 17 Feb 2017 18:58

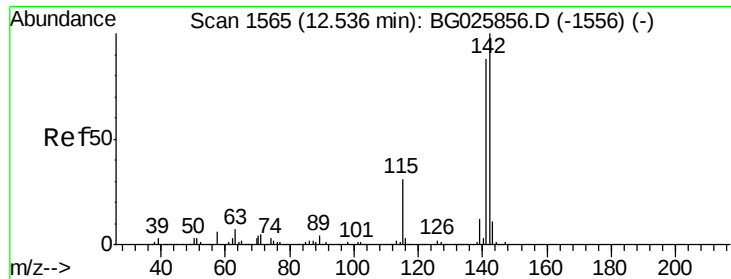
Tgt Ion:107 Resp: 357668
Ion Ratio Lower Upper

107 100

144 26.2 17.4 26.0#

142 80.0 54.1 81.1





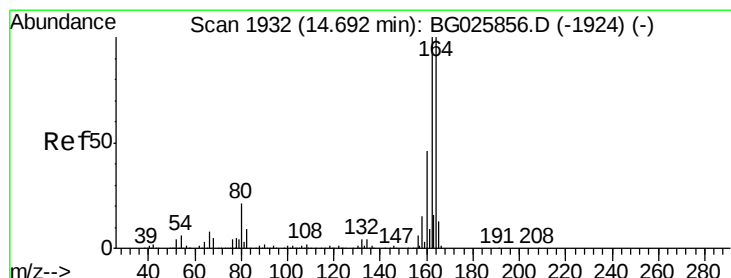
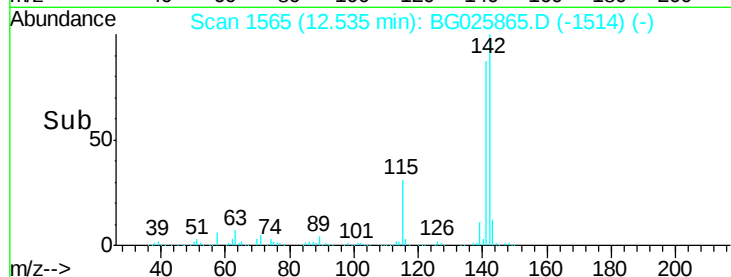
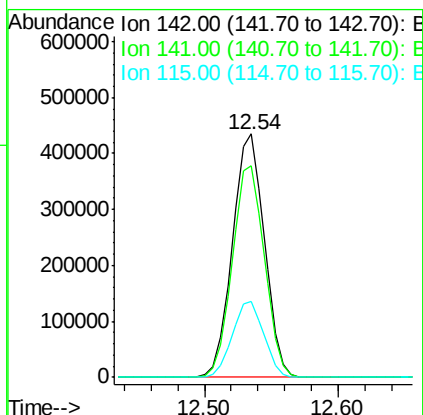
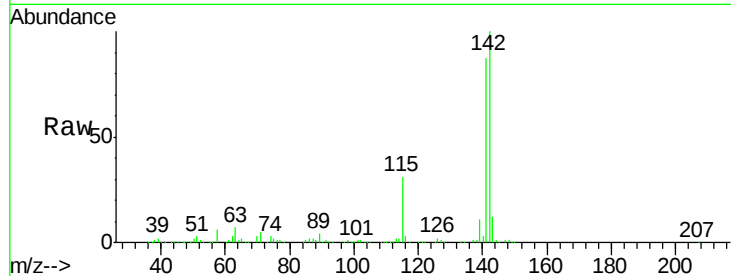
#37
2-Methylnaphthalene
Concen: 41.37 ng
RT: 12.54 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	31.0	35.5	53.3

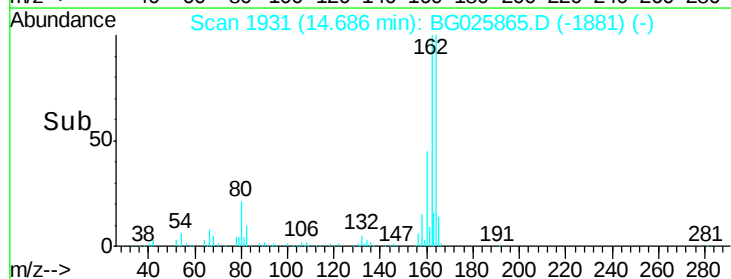
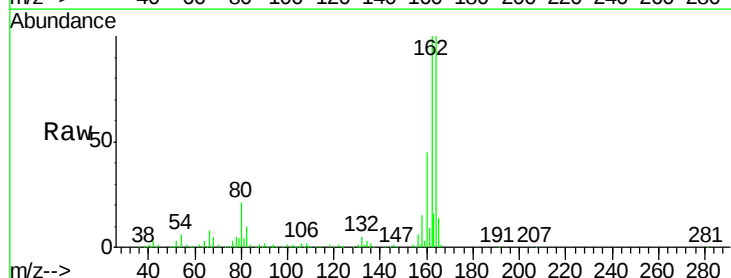
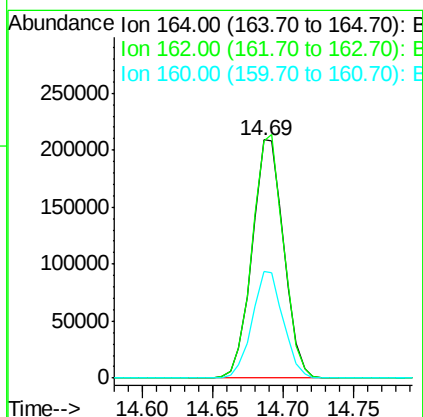
Manual Integrations
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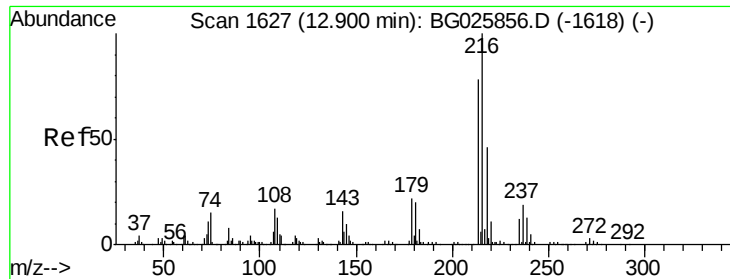
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	85.1	127.7
160	45.0	34.7	52.1





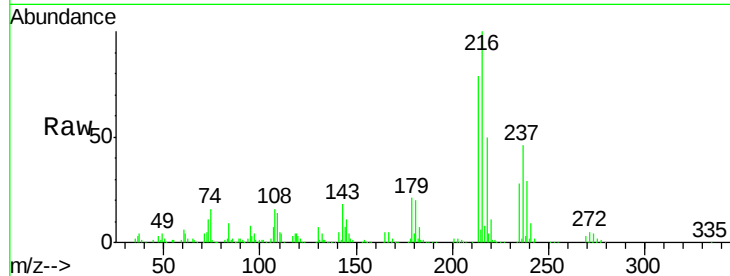
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.32 ng
 RT: 12.90 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

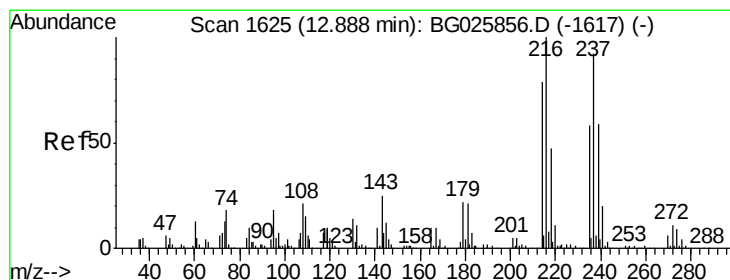
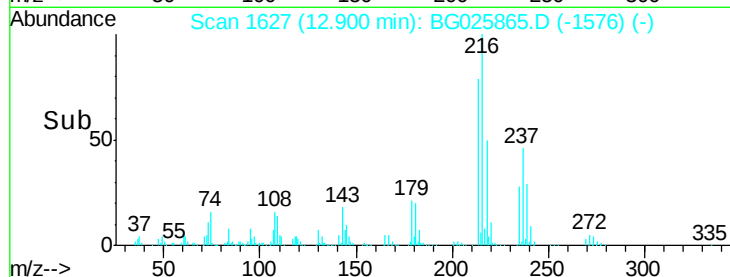
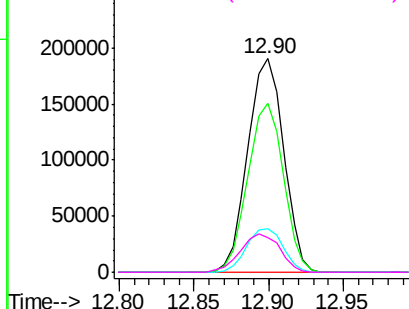
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	316583		
214	78.6	64.4	96.6	
179	21.2	17.4	26.0	
108	19.8	15.6	23.4	

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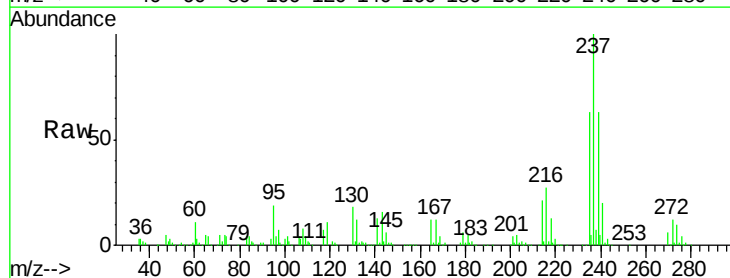


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

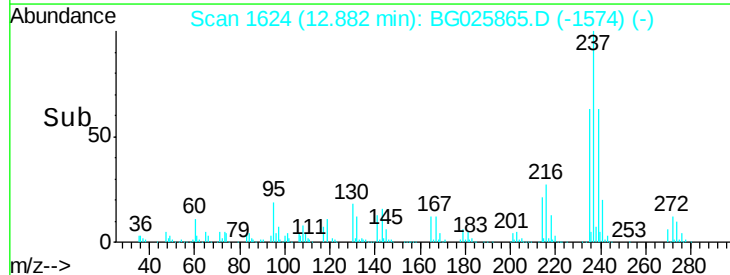
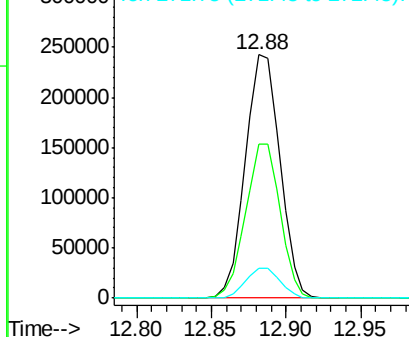


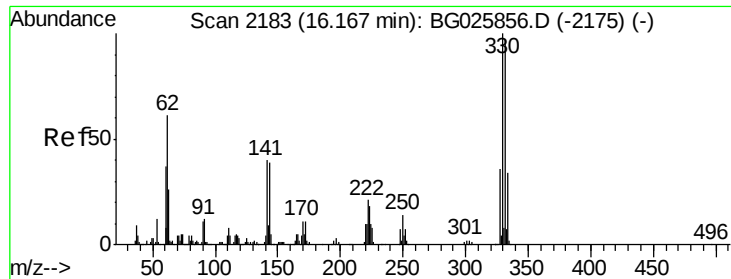
#40
 Hexachlorocyclopentadiene
 Concen: 86.22 ng
 RT: 12.88 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	389772		
235	63.4	39.4	79.4	
272	12.2	0.0	32.0	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 92.48 ng

RT: 16.17 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

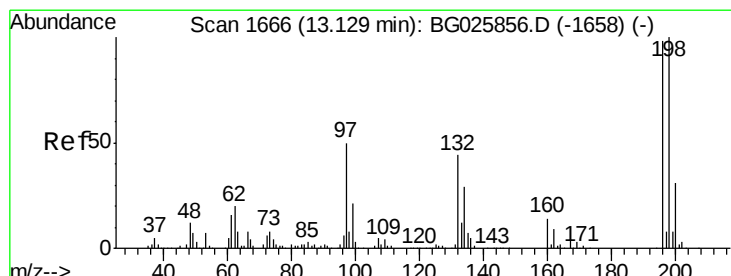
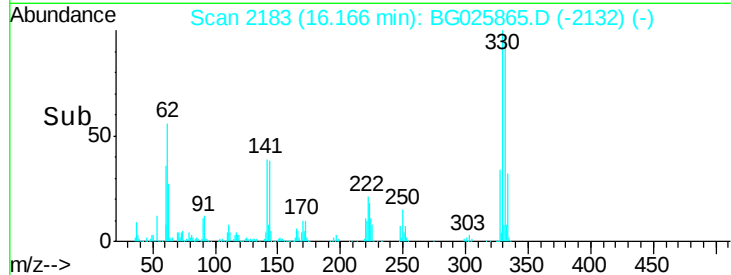
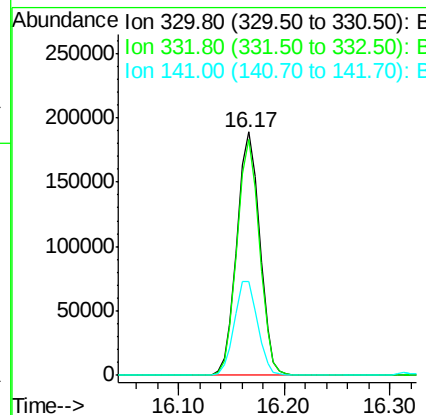
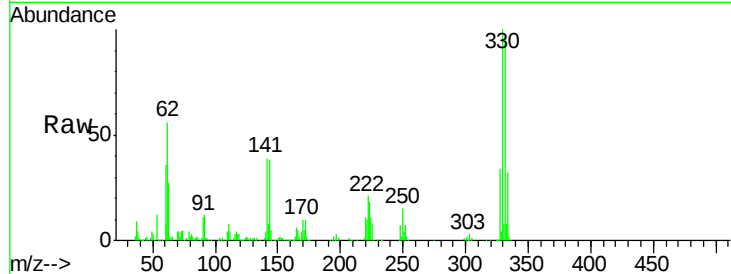
ClientSampleId :

PB97017BSD

Tgt Ion:	330	Resp:	281613
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.3	115.9
141	39.4	32.1	48.1

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#42

2,4,6-Trichlorophenol

Concen: 46.70 ng

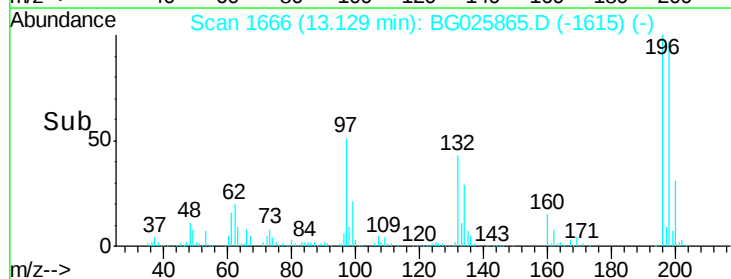
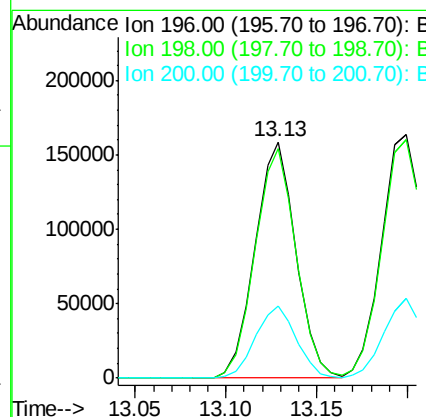
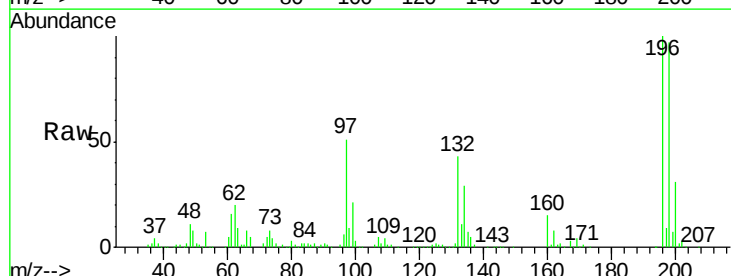
RT: 13.13 min Scan# 1666

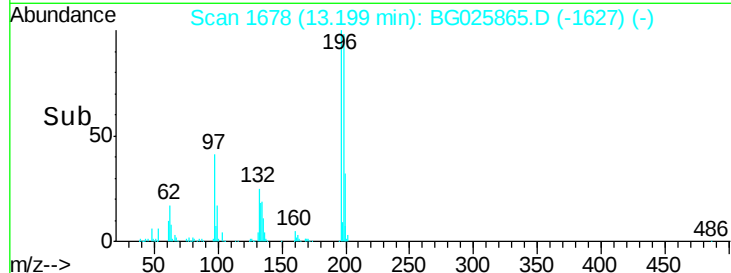
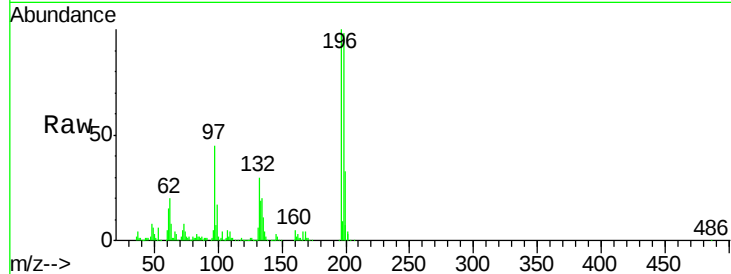
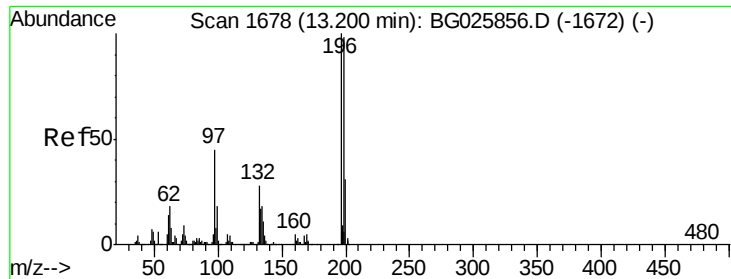
Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion:	196	Resp:	249146
Ion Ratio	Lower	Upper	
196	100		
198	96.8	81.4	122.2
200	30.7	27.0	40.6





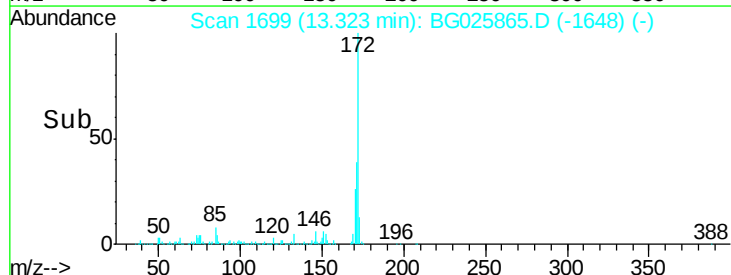
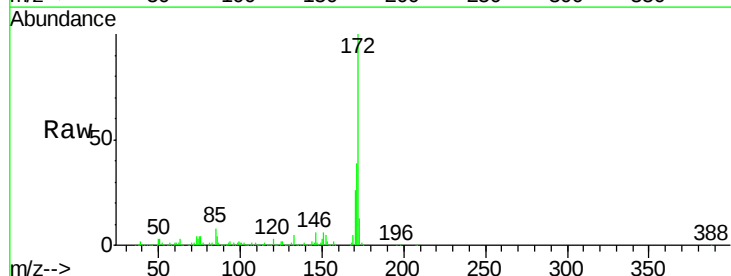
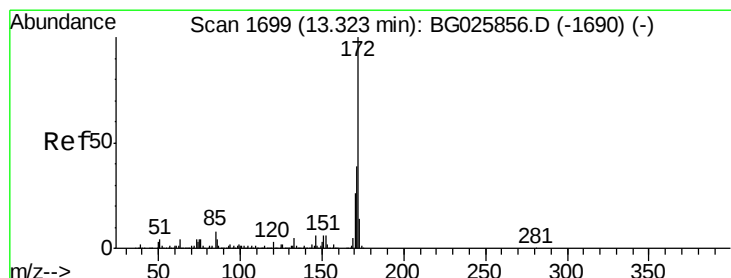
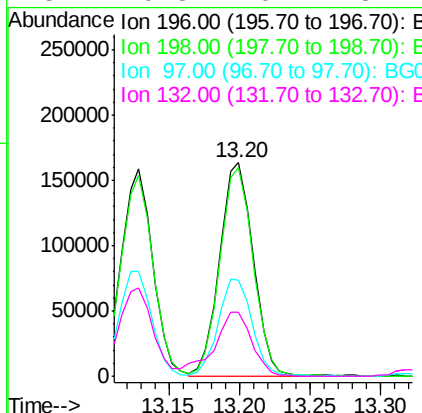
#43
2,4,5-Trichlorophenol
Concen: 44.36 ng
RT: 13.20 min Scan# 1678
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	268681		
198	97.8	79.9	119.9	
97	45.2	45.4	68.0	
132	29.8	20.7	31.1	

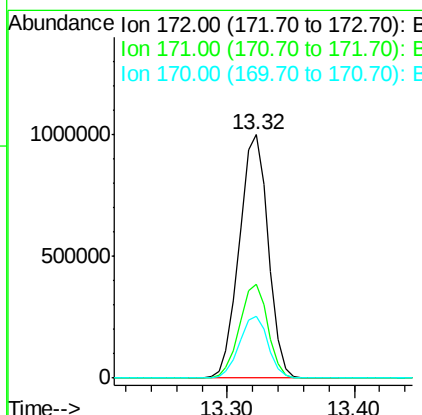
Manual Integrations
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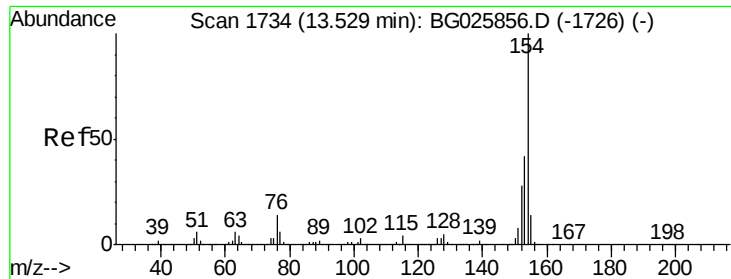
mohammad
2/20/2017 12:58:39 PM



#44
2-Fluorobiphenyl
Concen: 83.29 ng
RT: 13.32 min Scan# 1699
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1571046		
171	38.7	32.2	48.2	
170	25.7	21.8	32.6	





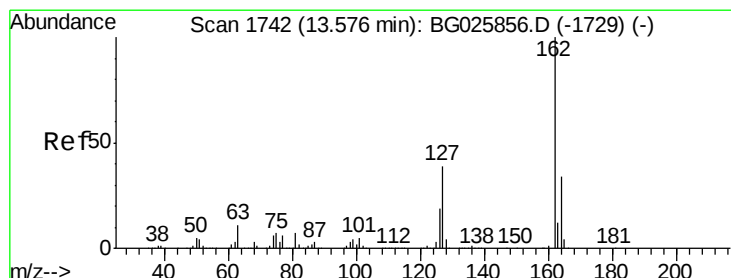
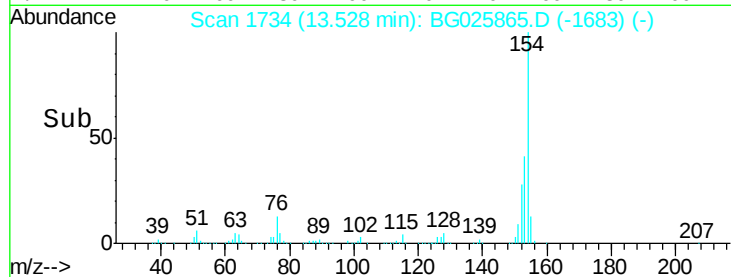
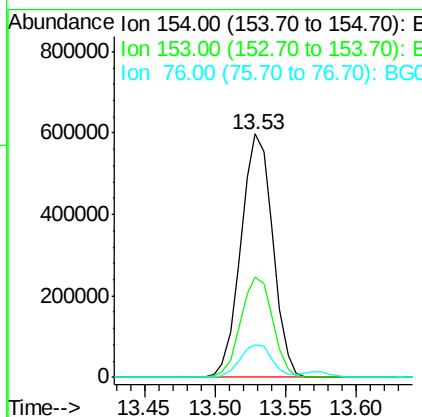
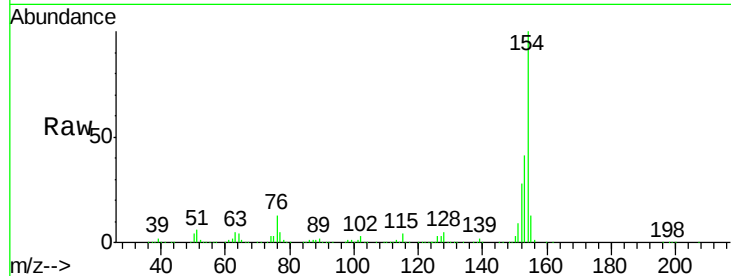
#45
 1,1'-Biphenyl
 Concen: 39.44 ng
 RT: 13.53 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	41.2	23.0	63.0
76	13.1	0.0	33.5

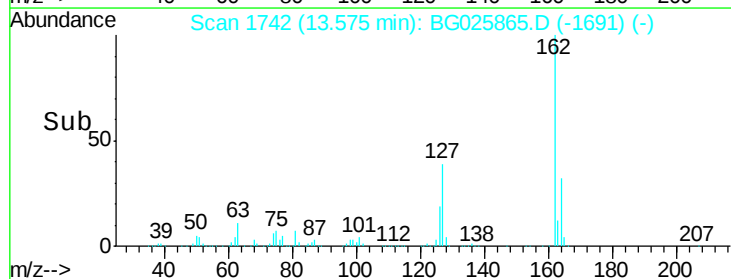
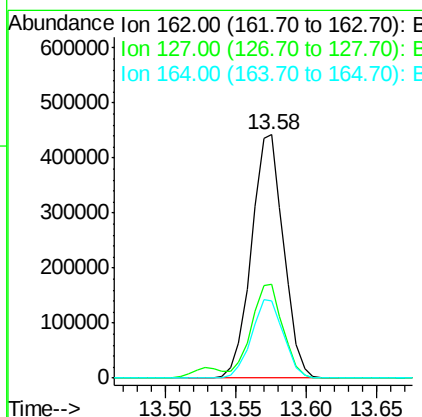
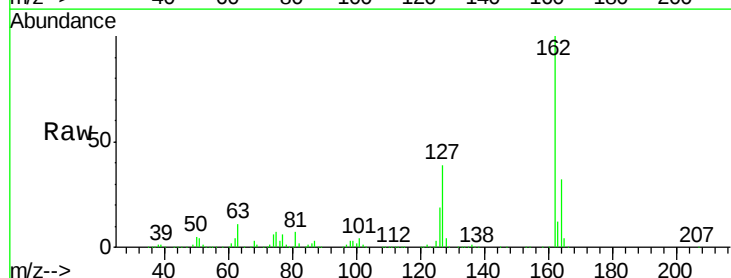
Manual Integrations
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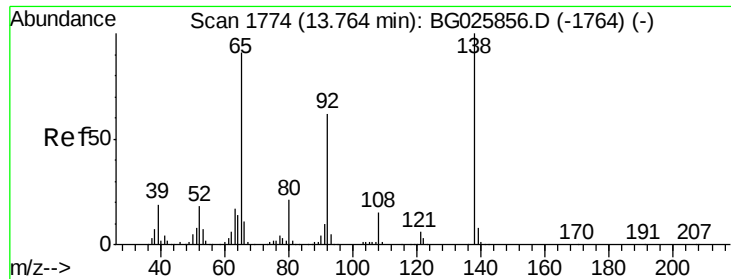
mohammad
 2/20/2017 12:58:39 PM



#46
 2-Chloronaphthalene
 Concen: 40.95 ng
 RT: 13.58 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
127	38.6	32.2	48.4
164	31.7	27.3	40.9





#47

2-Nitroaniline

Concen: 44.65 ng

RT: 13.76 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion: 65 Resp: 244550
Ion Ratio Lower Upper

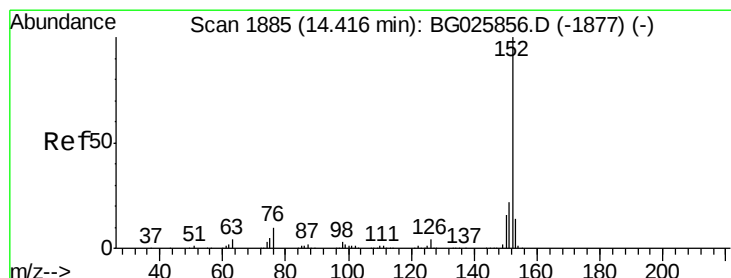
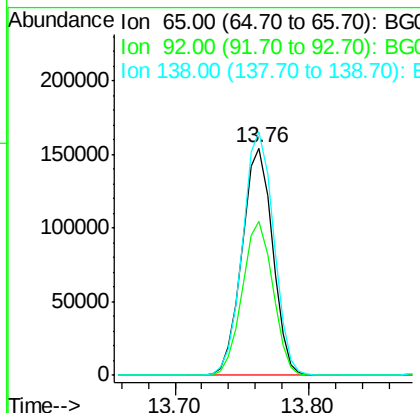
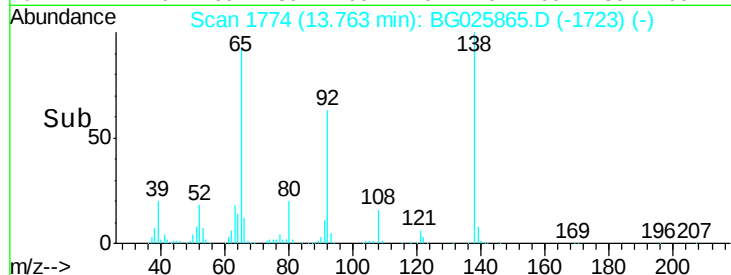
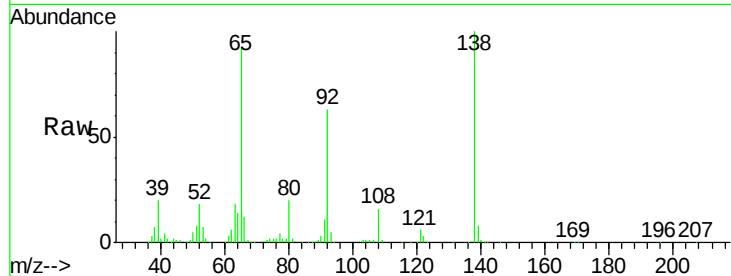
65 100

92 67.9 49.0 73.4

138 107.3 58.6 87.8#

Manual Integrations
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#48

Acenaphthylene

Concen: 39.95 ng

RT: 14.42 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BG025865.D

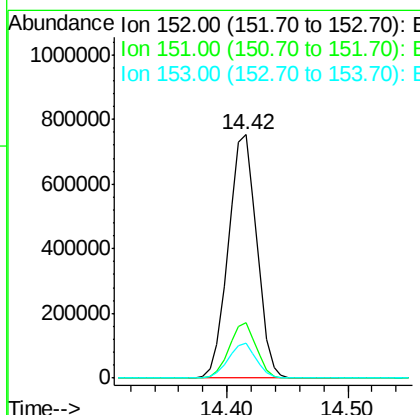
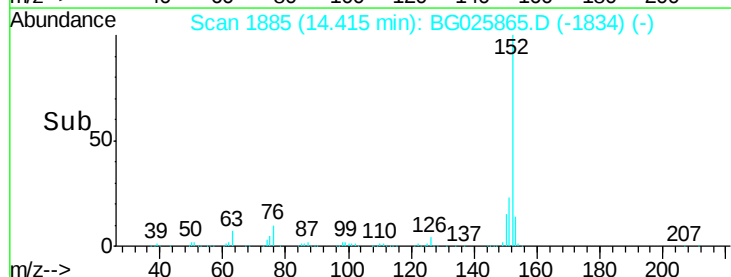
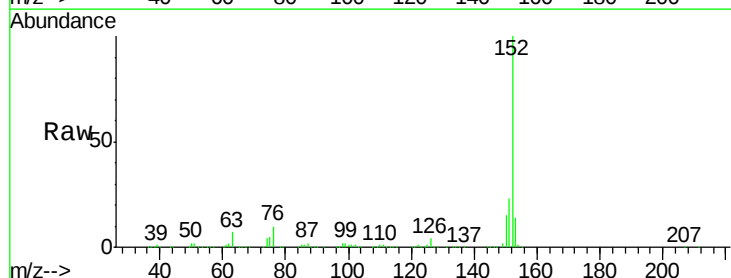
Acq: 17 Feb 2017 18:58

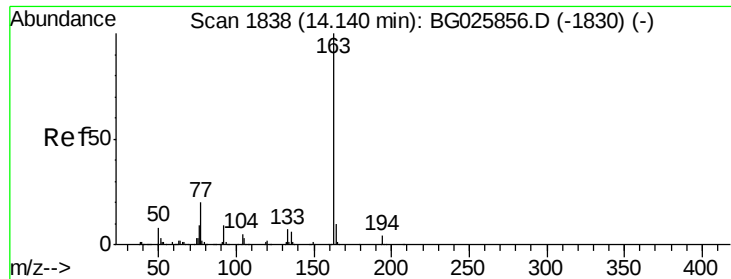
Tgt Ion: 152 Resp: 1228401
Ion Ratio Lower Upper

152 100

151 22.6 18.2 27.2

153 14.2 11.3 16.9





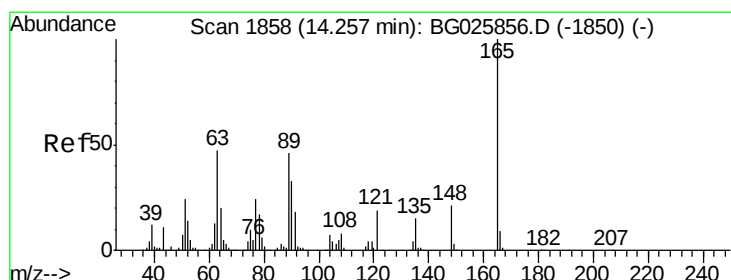
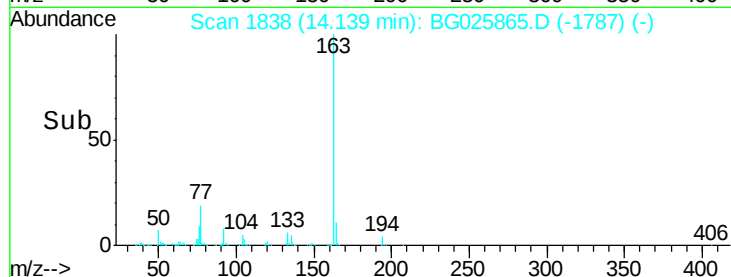
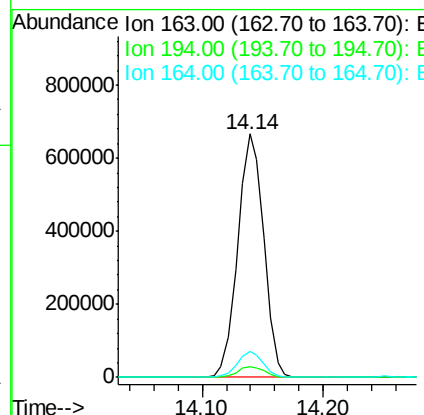
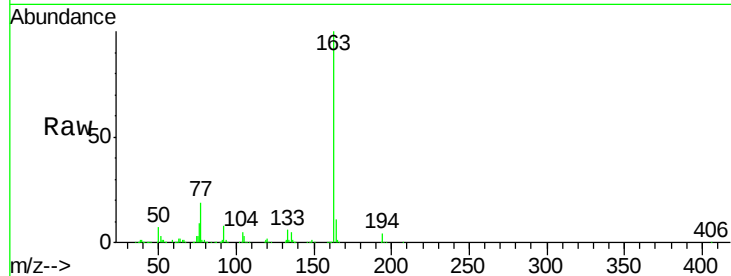
#49
Dimethylphthalate
Concen: 44.16 ng
RT: 14.14 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.8	5.6
164	10.6	9.3	13.9

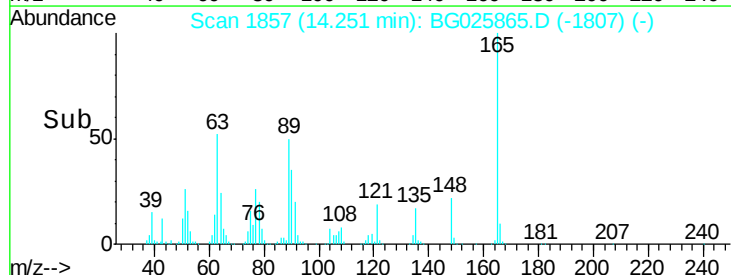
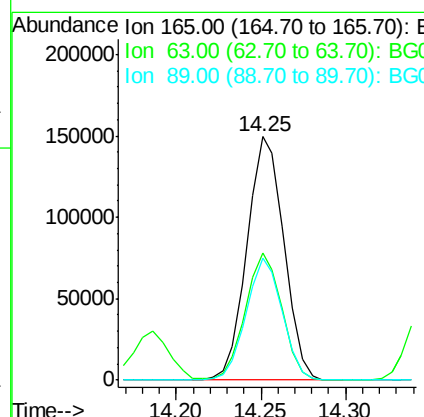
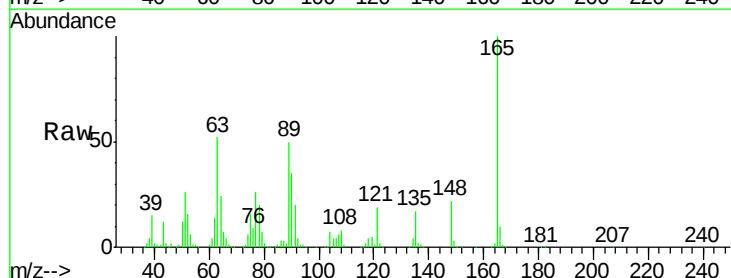
Manual Integrations
APPROVED

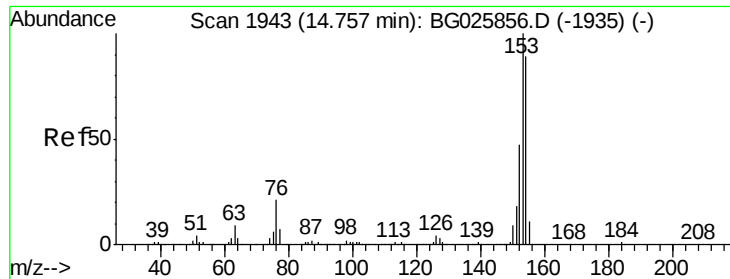
mohammad
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#50
2,6-Dinitrotoluene
Concen: 44.67 ng
RT: 14.25 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	52.4	63.9	95.9#
89	50.3	58.6	88.0#





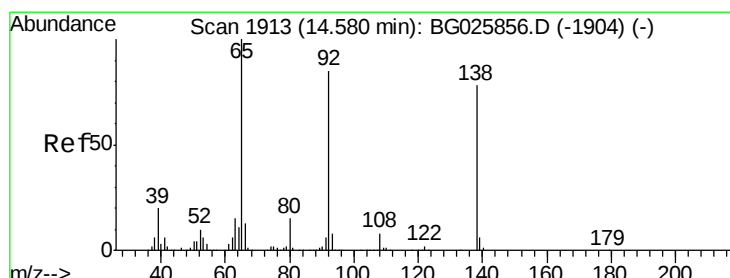
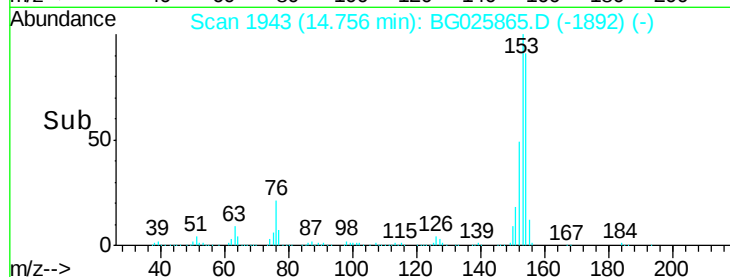
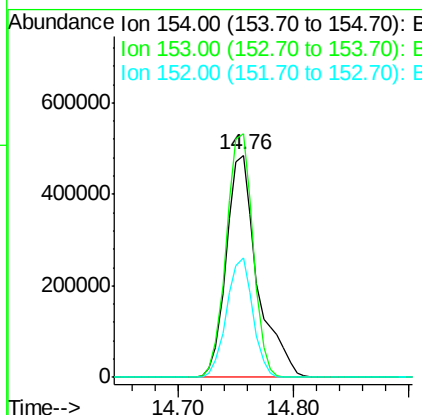
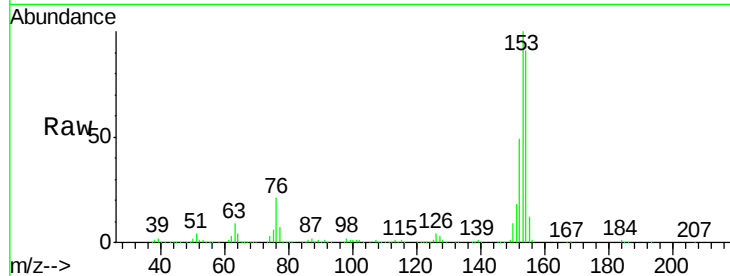
#51
Acenaphthene
Concen: 44.74 ng
RT: 14.76 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	908483		
153	109.6	87.8	131.6	
152	54.0	42.2	63.4	

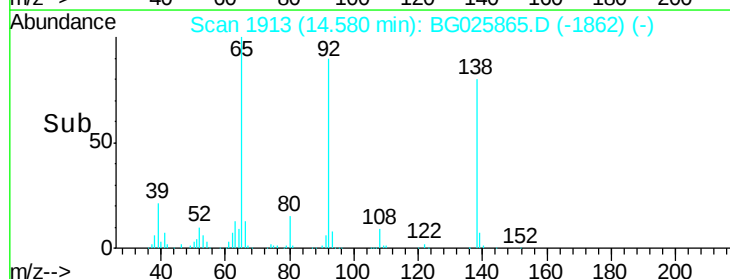
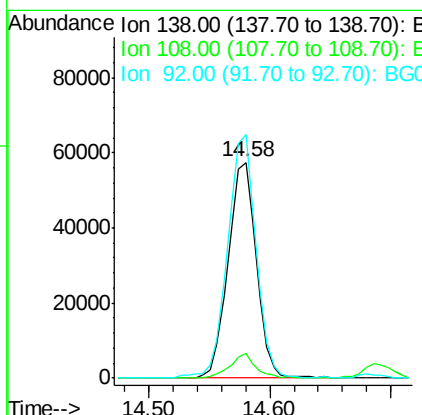
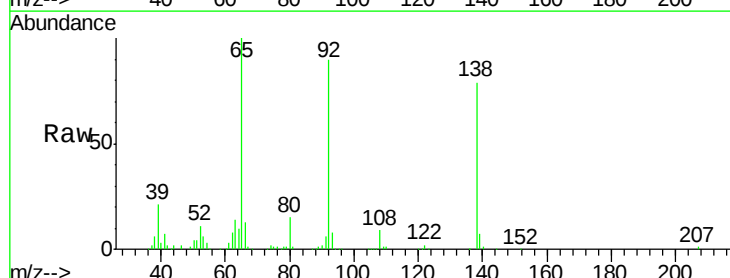
Manual Integrations
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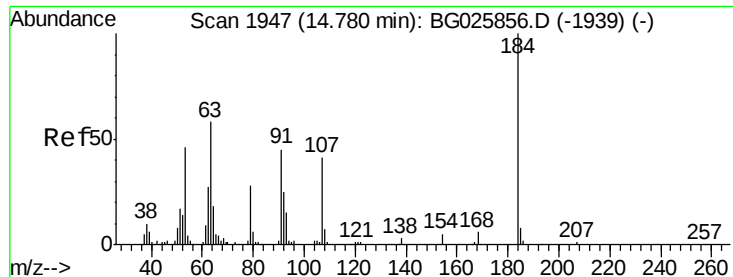
mohammad
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#52
3-Nitroaniline
Concen: 16.45 ng
RT: 14.58 min Scan# 1913
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	93470		
108	11.4	10.9	16.3	
92	112.7	115.3	172.9#	





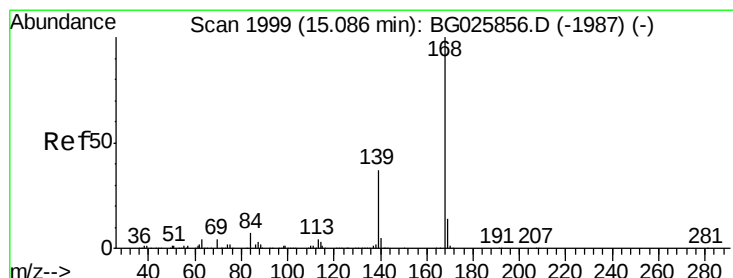
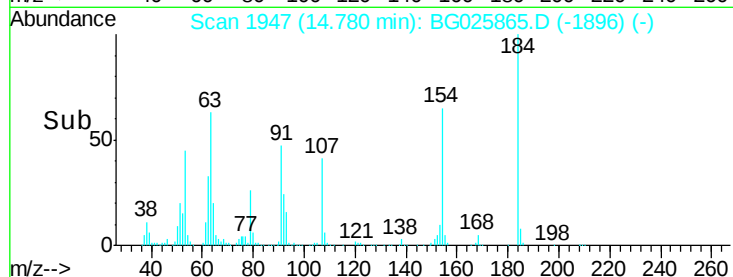
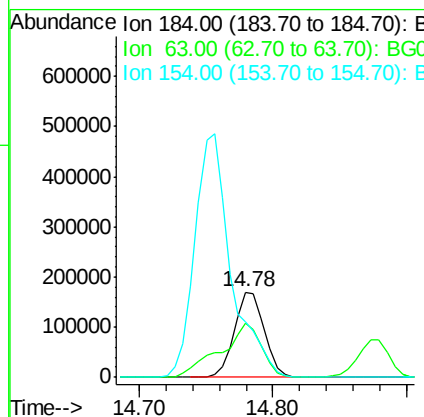
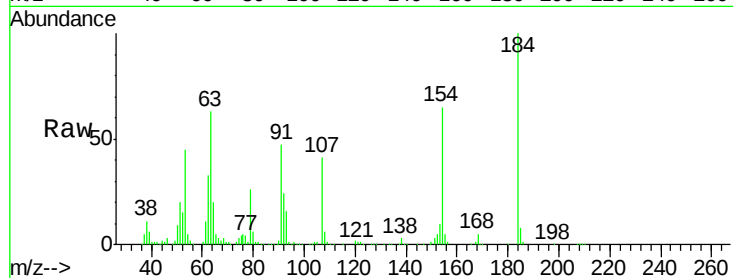
#53
2,4-Dinitrophenol
Concen: 99.43 ng
RT: 14.78 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Lower	Upper
184	100		
63	63.4	52.7	79.1
154	65.2	57.3	85.9

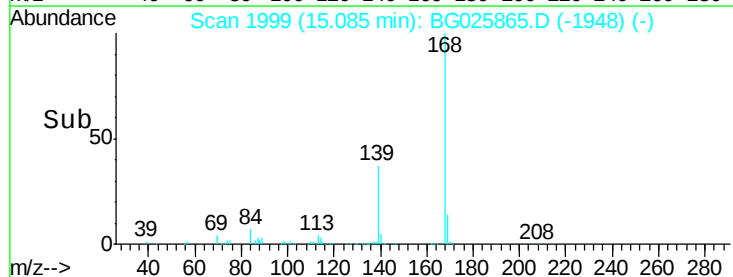
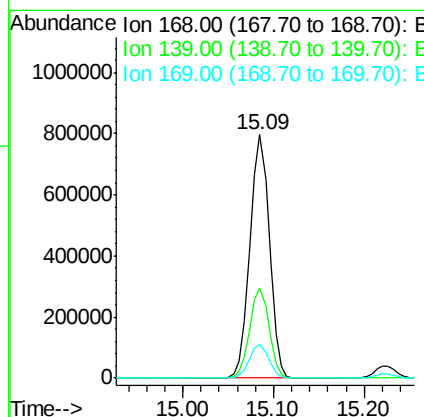
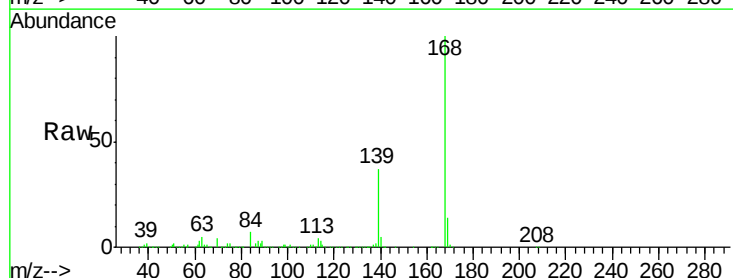
Manual Integrations
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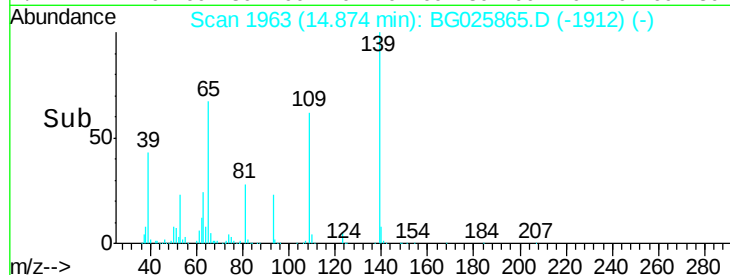
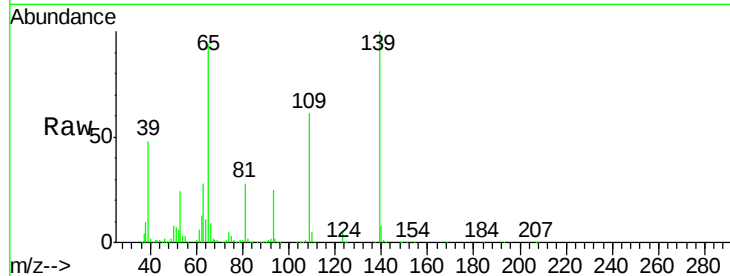
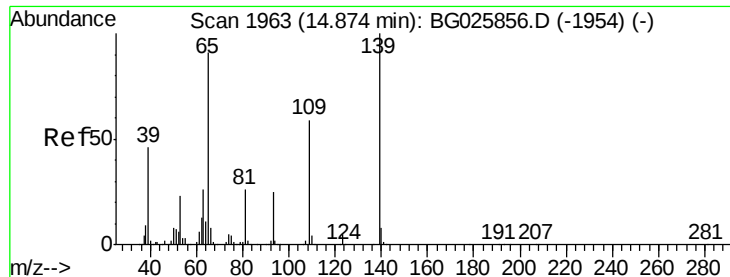
mohammad
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#54
Dibenzofuran
Concen: 43.57 ng
RT: 15.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.9	35.3	52.9
169	13.9	11.5	17.3





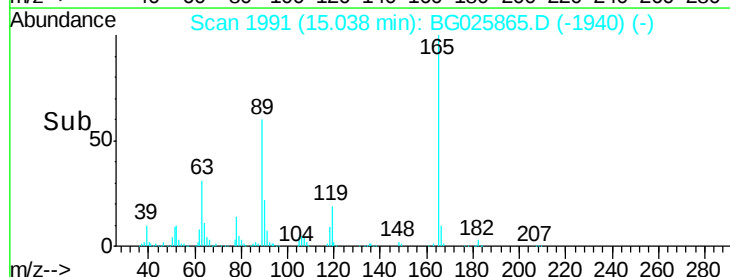
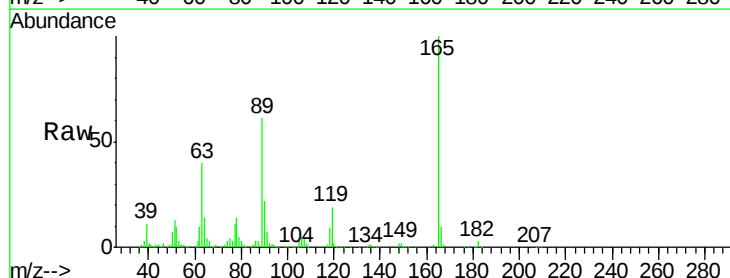
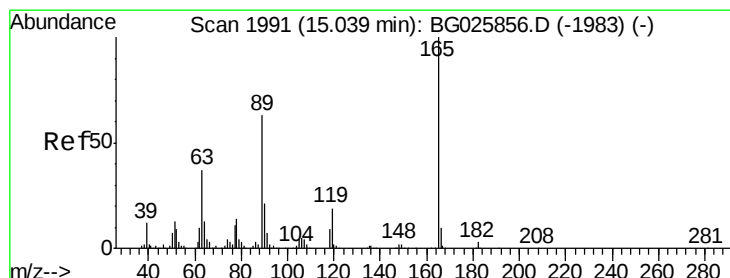
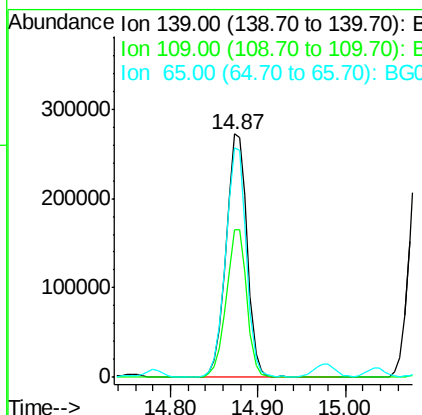
#55
4-Nitrophenol
Concen: 97.58 ng
RT: 14.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	451194		
109	60.6	101.2	141.2#	
65	94.1	135.3	175.3#	

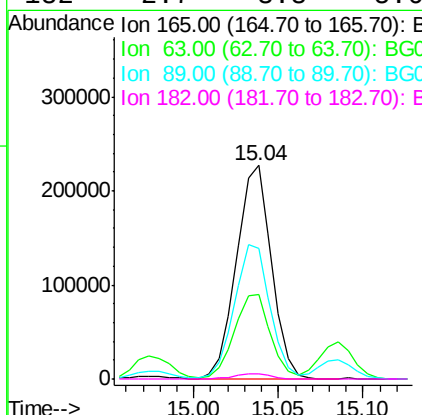
Manual Integrations
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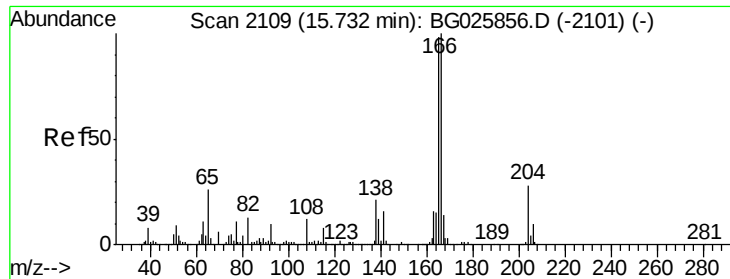
mohammad
2/20/2017 12:58:39 PM



#56
2,4-Dinitrotoluene
Concen: 47.85 ng
RT: 15.04 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	327006		
63	39.5	44.0	66.0#	
89	61.1	67.3	100.9#	
182	2.7	3.8	5.6#	





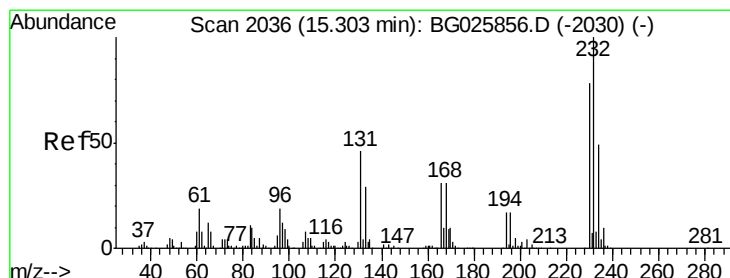
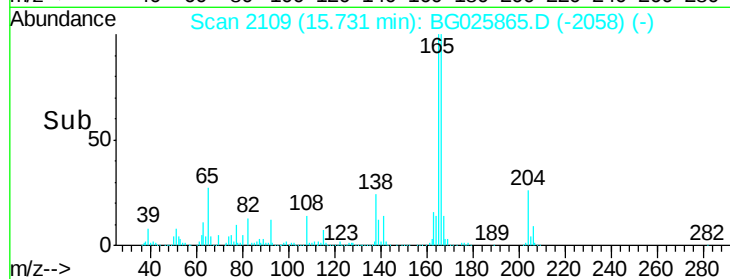
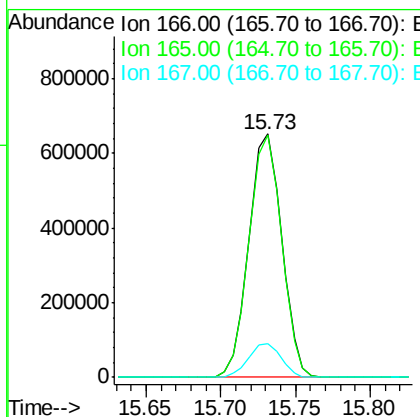
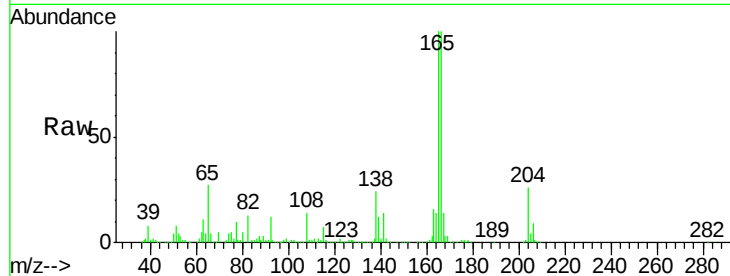
#57
 Fluorene
 Concen: 41.11 ng
 RT: 15.73 min Scan# 2109
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	994381		
165	99.5	78.6	117.8	
167	14.0	11.6	17.4	

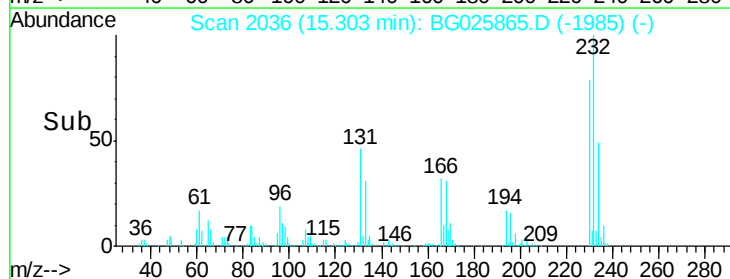
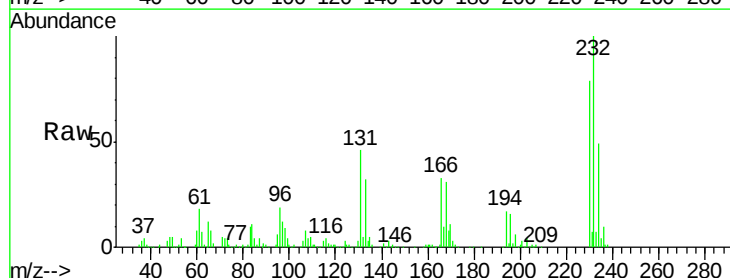
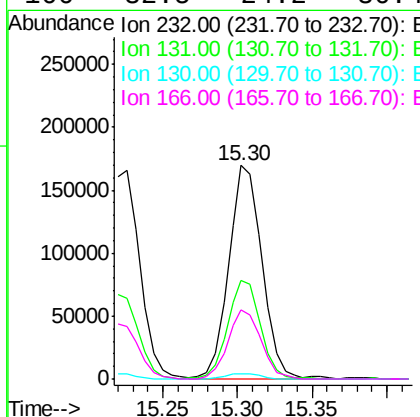
Manual Integrations
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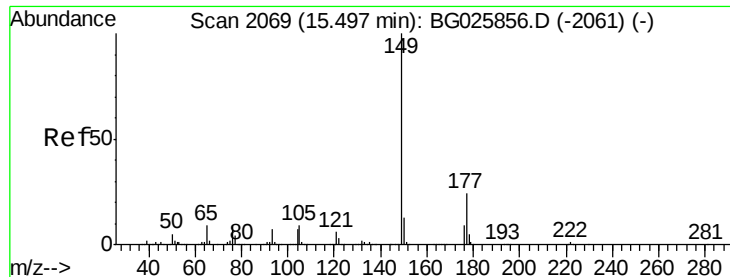
mohammad
 2/20/2017 12:58:39 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 49.09 ng
 RT: 15.30 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	262333		
131	46.0	34.9	52.3	
130	2.6	2.3	3.5	
166	32.5	24.2	36.4	





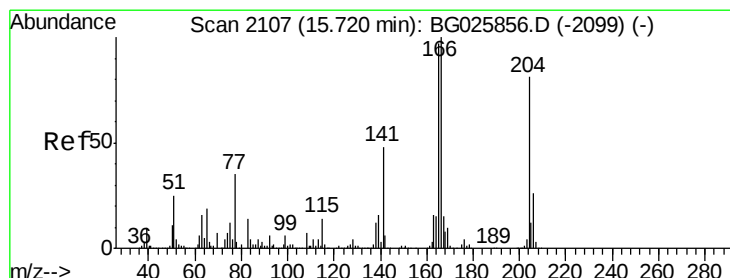
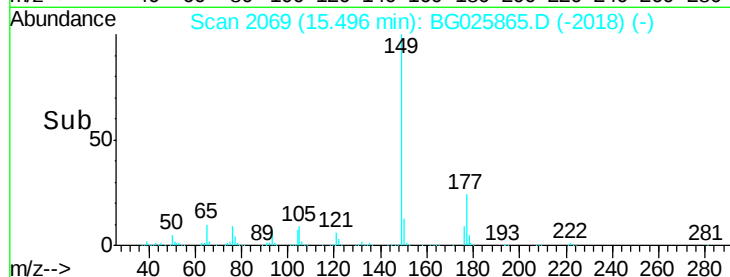
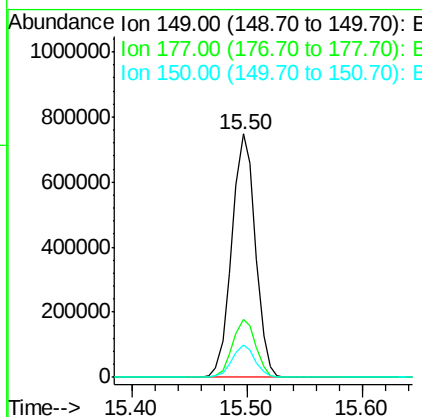
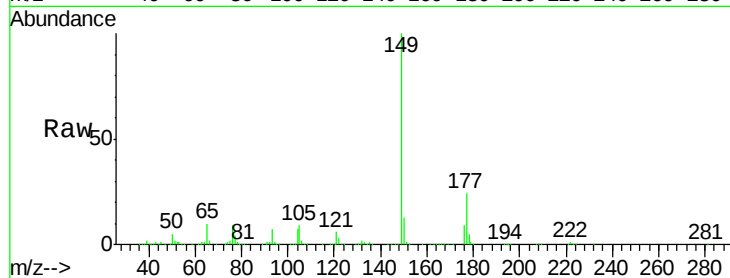
#59
Diethylphthalate
Concen: 45.04 ng
RT: 15.50 min Scan# 2069
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.8	20.1	30.1
150	13.1	10.2	15.2

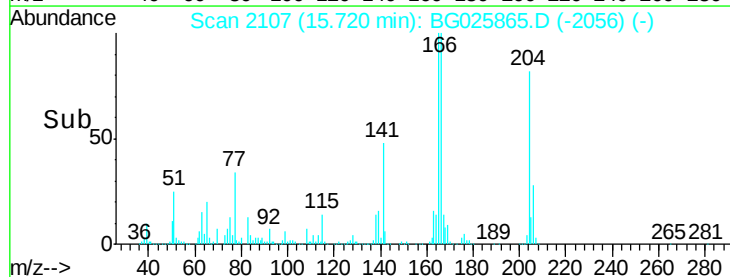
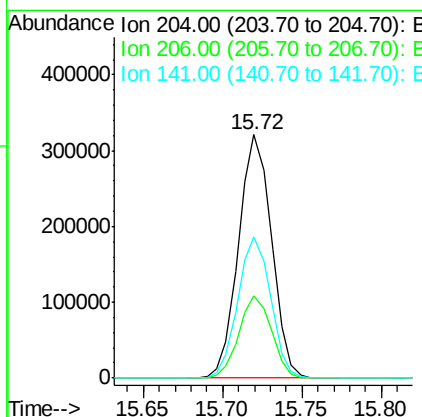
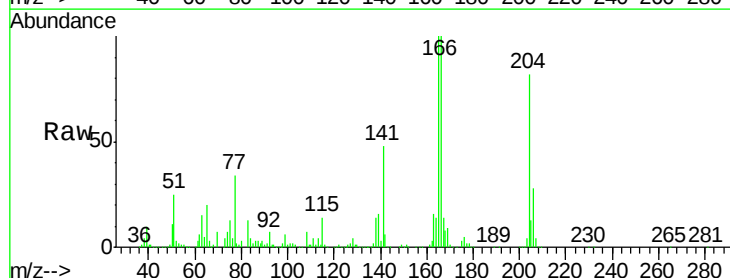
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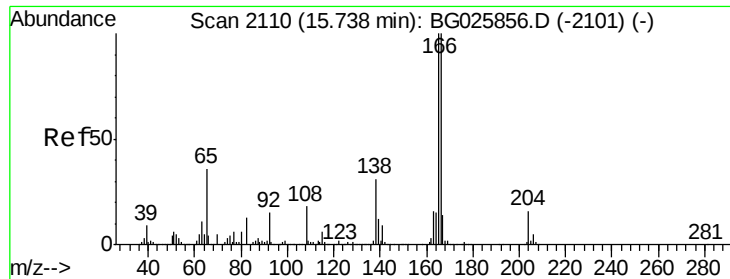
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 41.35 ng
RT: 15.72 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.8	30.1	45.1
141	58.2	50.6	76.0





#61

4-Nitroaniline

Concen: 45.23 ng

RT: 15.74 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

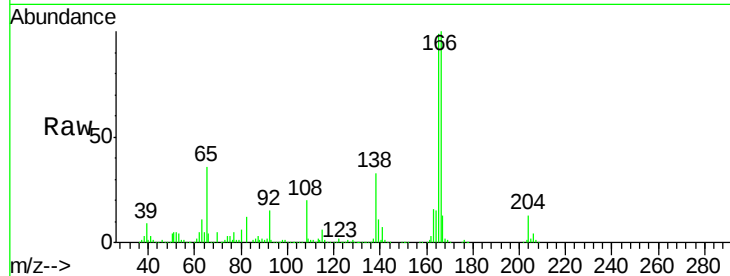
ClientSampleId :

PB97017BSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.7	44.2	84.2
108	60.3	104.8	144.8#

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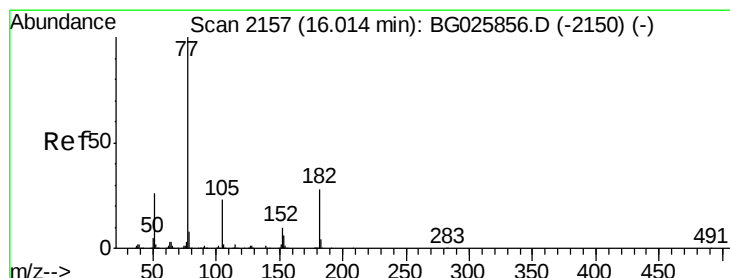
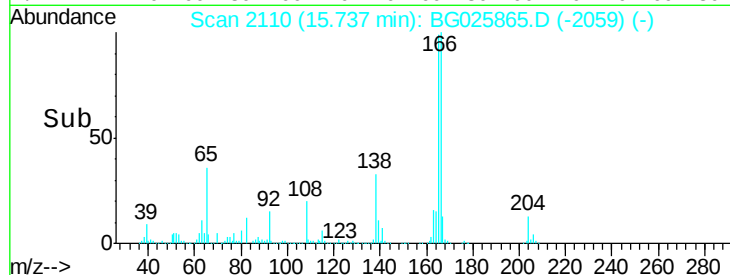
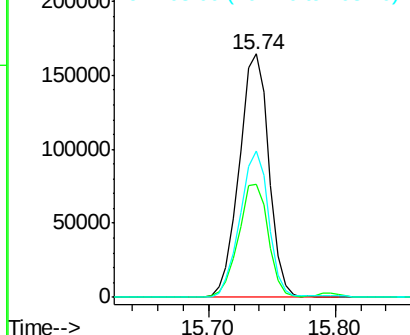


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 47.14 ng

RT: 16.01 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.9	4.7	44.7
105	23.1	0.0	36.3
51	27.6	16.4	56.4

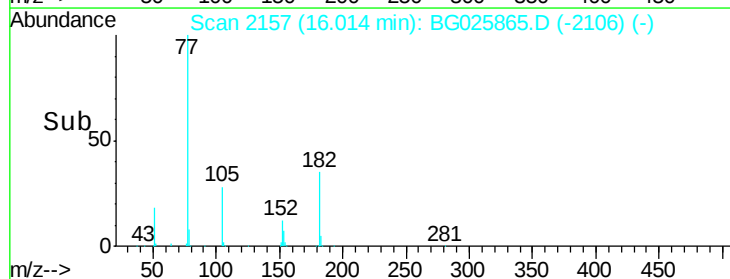
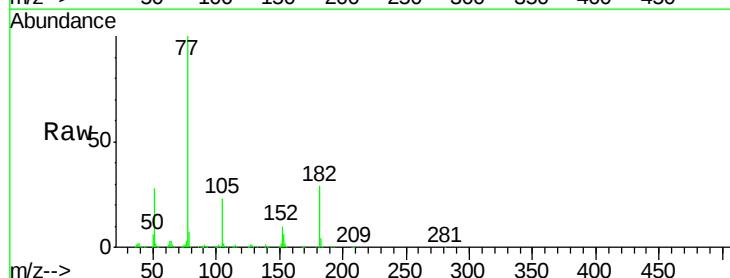
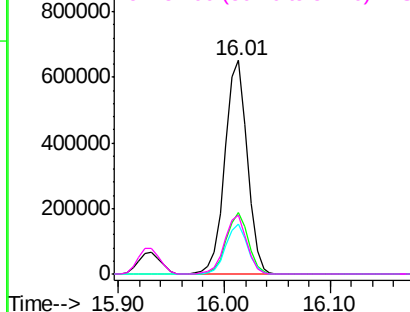
Abundance

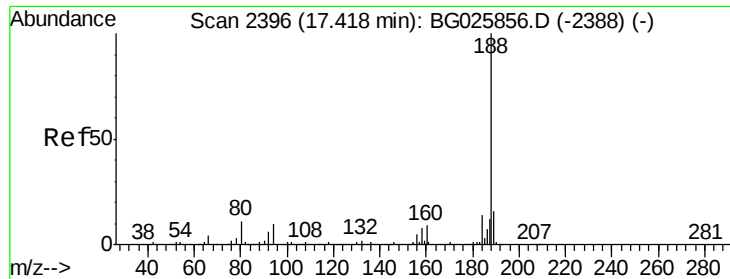
Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion:188 Resp: 735165
Ion Ratio Lower Upper

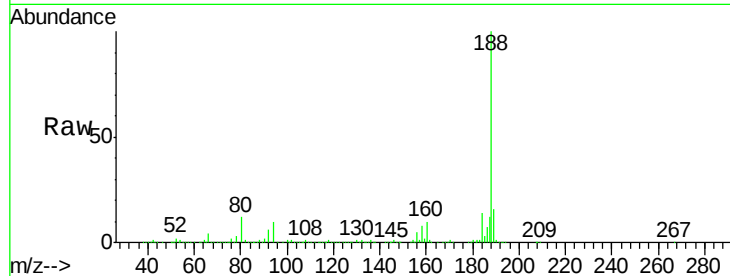
188 100

94 9.7 5.8 8.8#

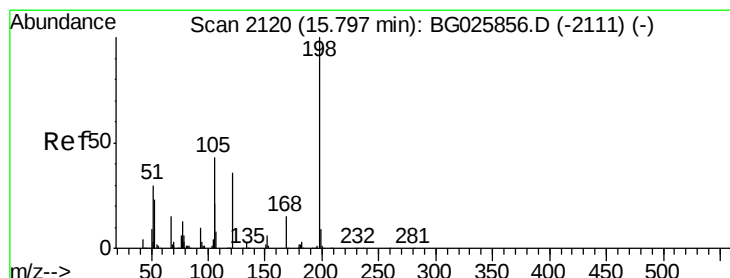
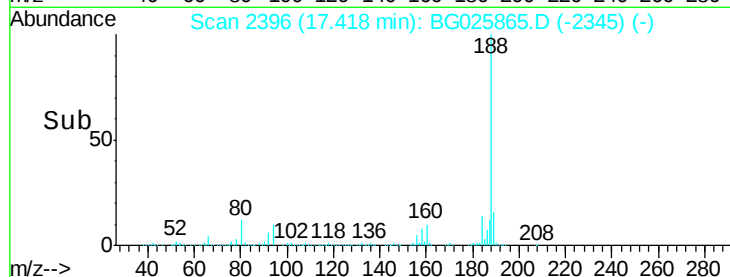
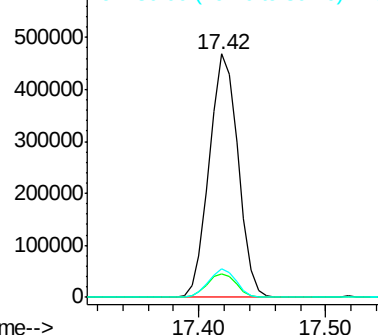
80 11.9 7.5 11.3#

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 43.05 ng

RT: 15.80 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BG025865.D

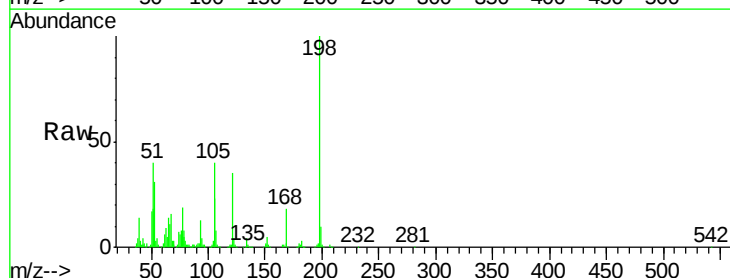
Acq: 17 Feb 2017 18:58

Tgt Ion:198 Resp: 185192
Ion Ratio Lower Upper

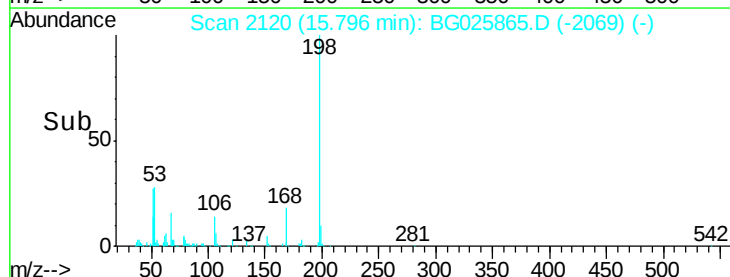
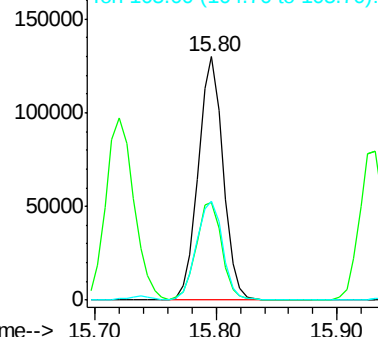
198 100

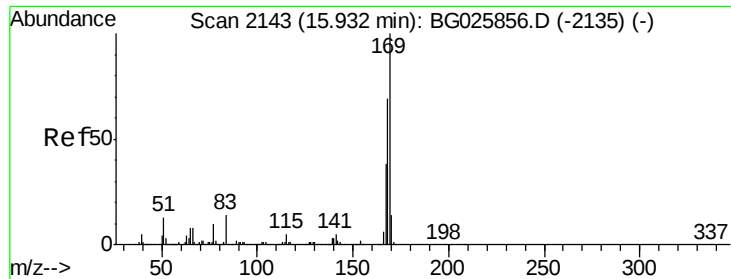
51 40.1 22.6 62.6

105 40.4 14.4 54.4



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 40.41 ng

RT: 15.93 min Scan# 2143

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

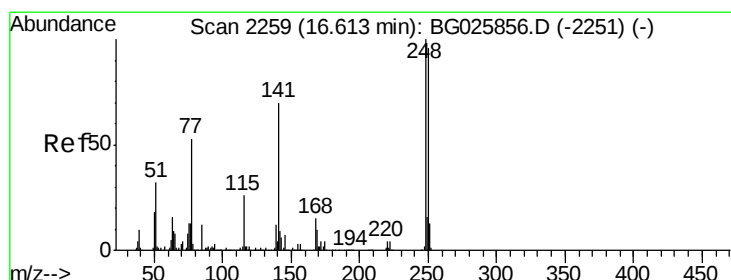
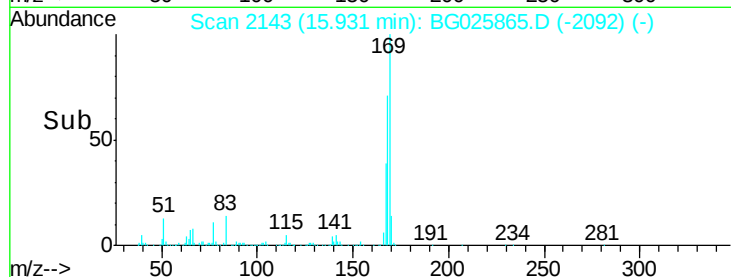
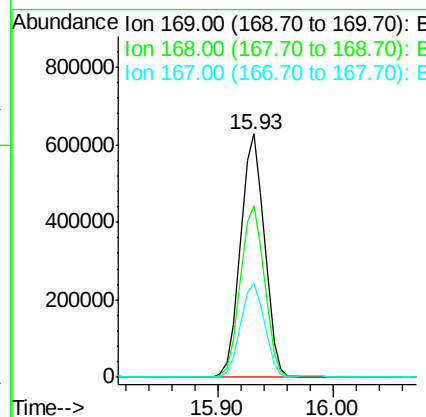
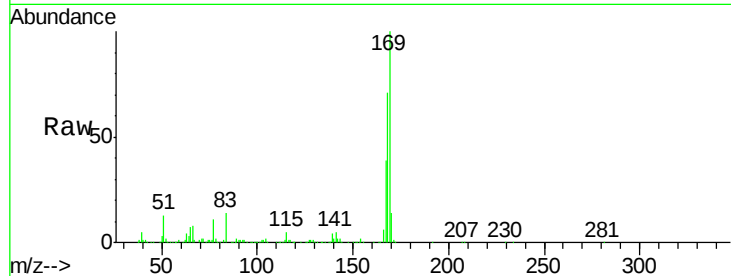
ClientSampleId :

PB97017BSD

Tgt Ion:	169	Resp:	900858
Ion Ratio	Lower	Upper	
169	100		
168	70.5	55.7	83.5
167	38.6	29.8	44.6

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#66

4-Bromophenyl-phenylether

Concen: 40.21 ng

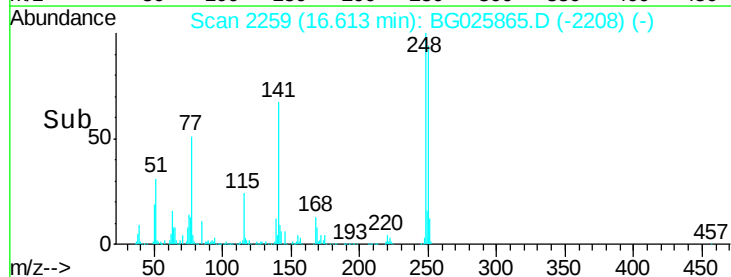
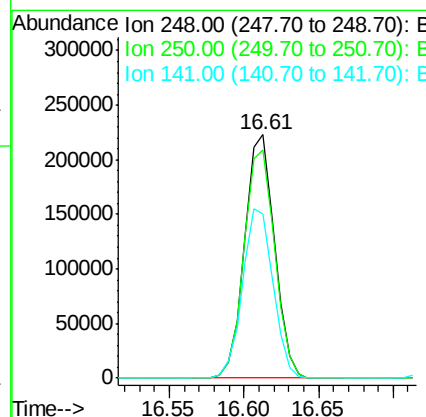
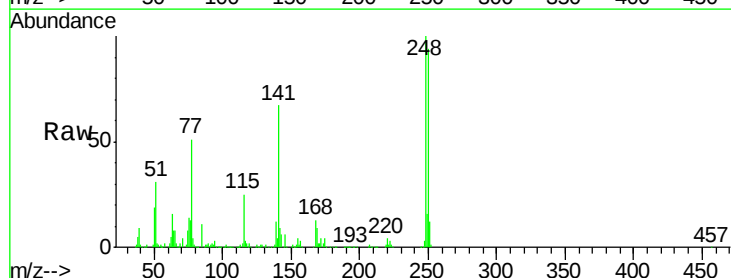
RT: 16.61 min Scan# 2259

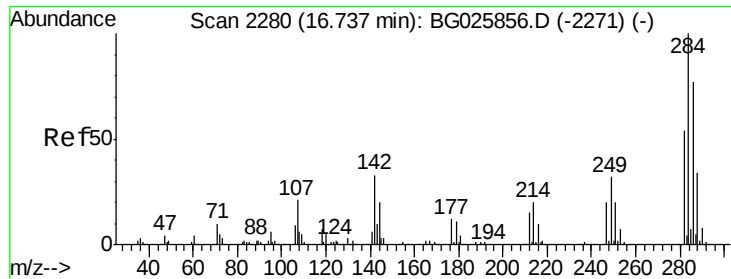
Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Tgt Ion:	248	Resp:	309811
Ion Ratio	Lower	Upper	
248	100		
250	93.9	75.0	112.6
141	67.3	55.2	82.8





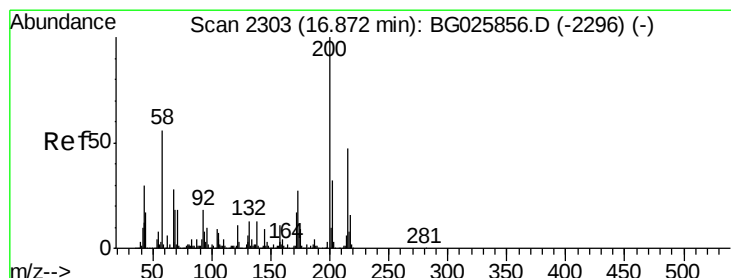
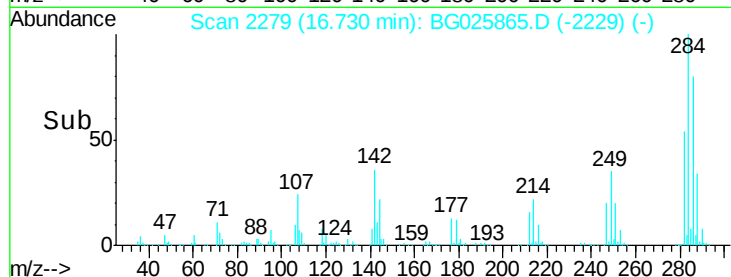
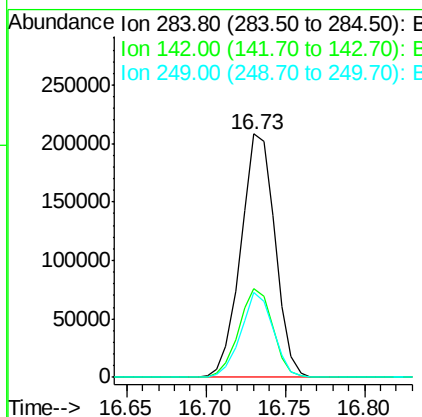
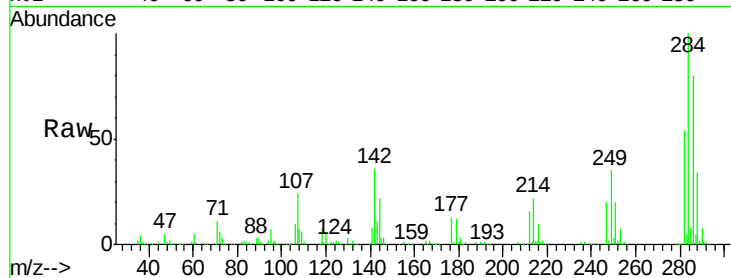
#67
Hexachlorobenzene
Concen: 39.23 ng
RT: 16.73 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	36.4	29.9	44.9
249	34.7	29.2	43.8

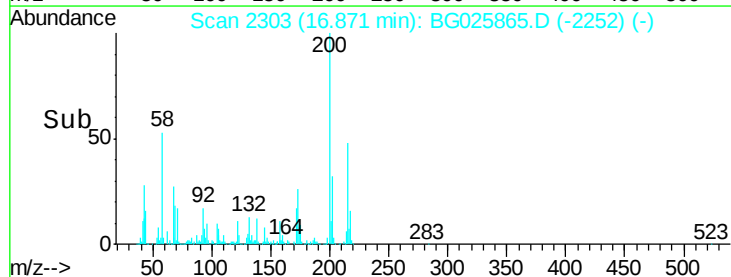
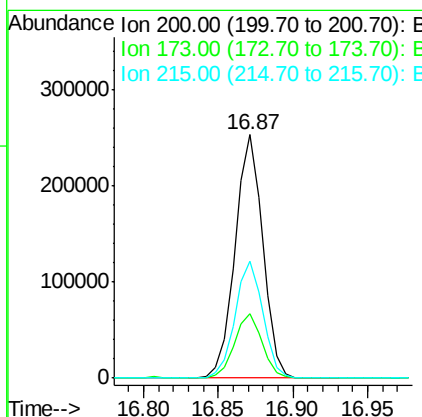
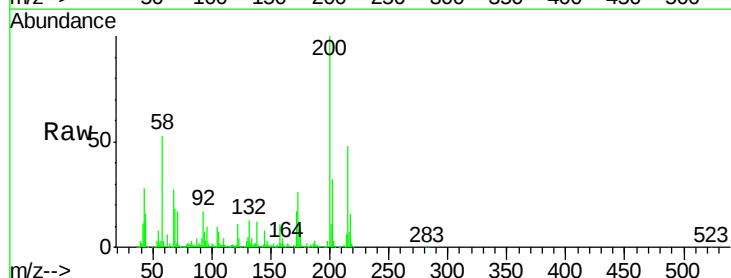
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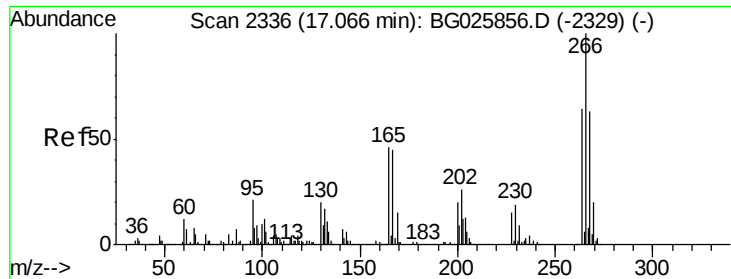
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#68
Atrazine
Concen: 41.58 ng
RT: 16.87 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.3	3.0	43.0
215	47.8	28.4	68.4





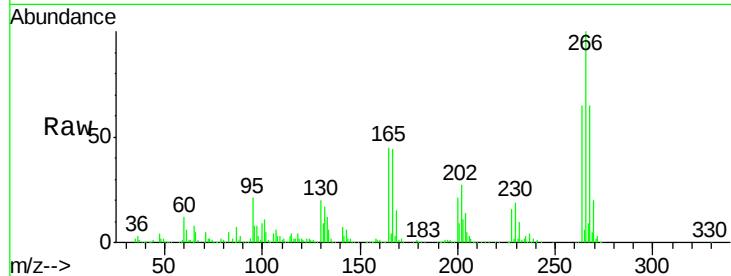
#69
 Pentachlorophenol
 Concen: 86.58 ng
 RT: 17.07 min Scan# 2337
 Delta R.T. 0.01 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

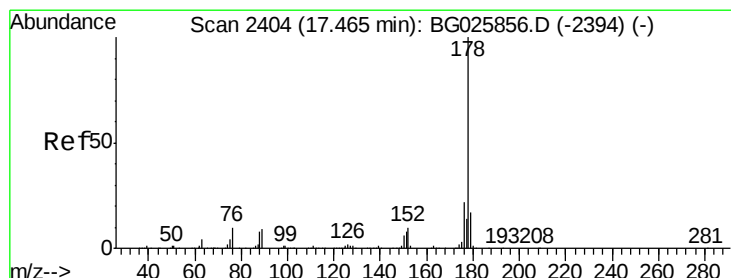
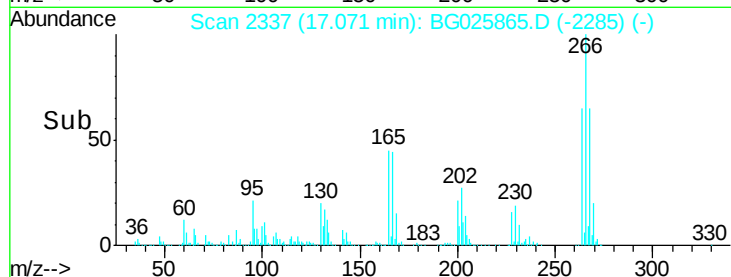
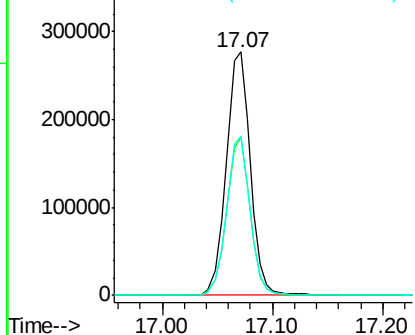
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	424121		
268	64.8	48.6	72.8	
264	65.1	50.1	75.1	

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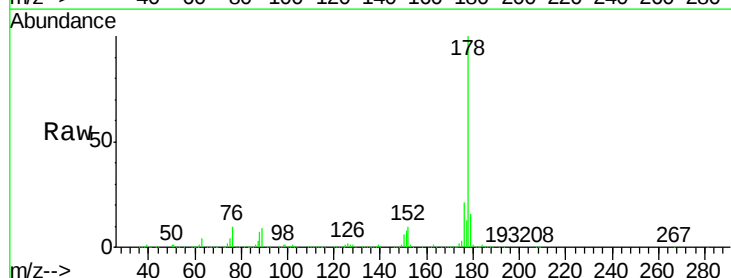


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

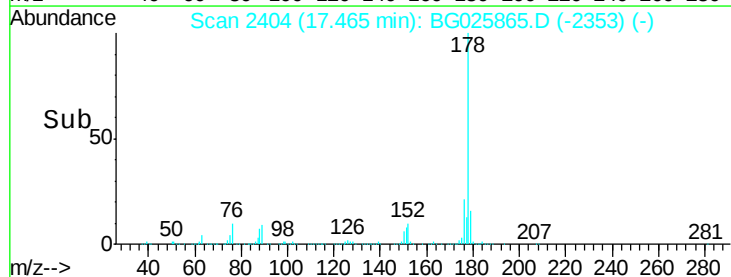
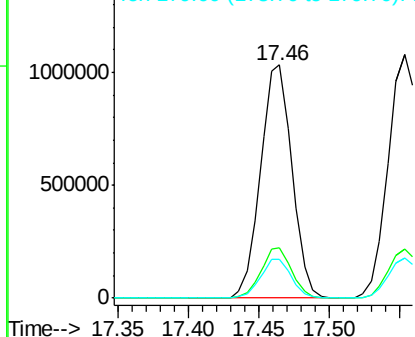


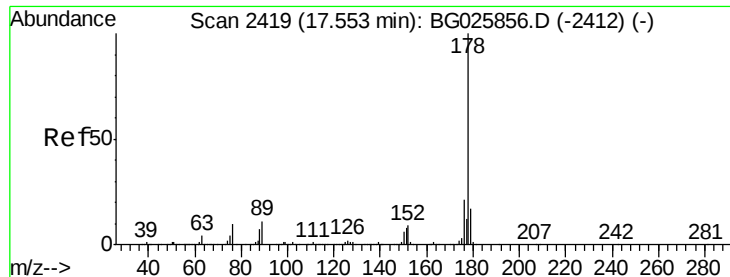
#70
 Phenanthrene
 Concen: 40.48 ng
 RT: 17.46 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1615325		
176	21.3	17.7	26.5	
179	16.4	15.0	22.6	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





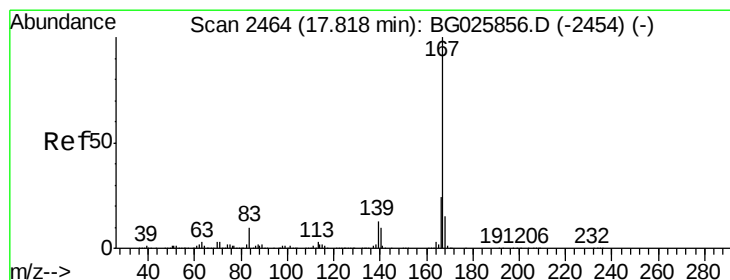
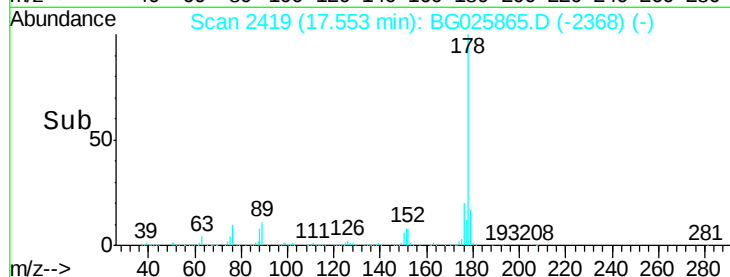
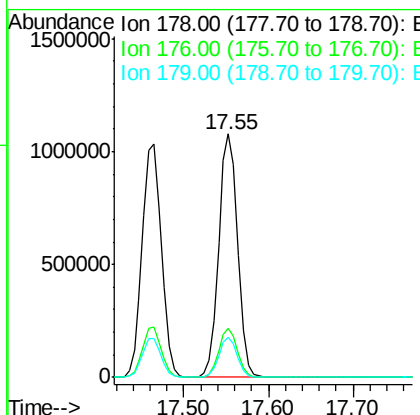
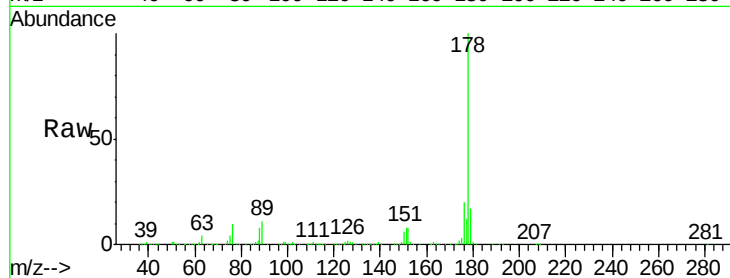
#71
 Anthracene
 Concen: 41.24 ng
 RT: 17.55 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Tgt Ion:178 Resp: 1677999
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.4 24.6
 179 16.7 13.8 20.8

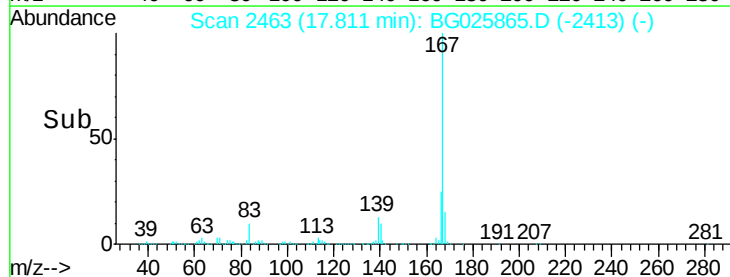
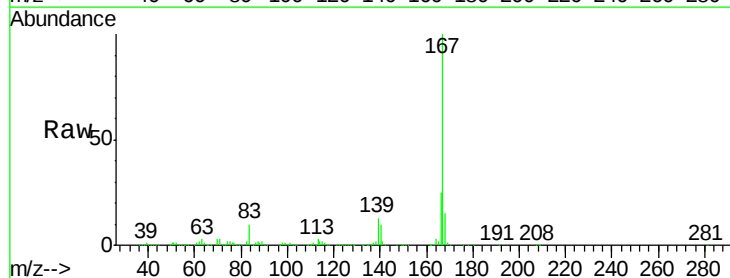
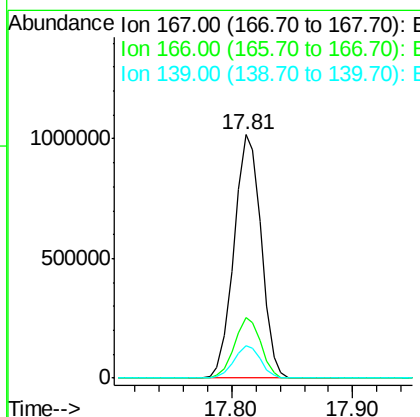
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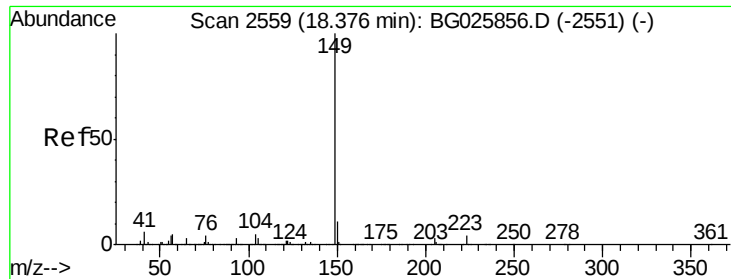
mohammad
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#72
 Carbazole
 Concen: 39.00 ng
 RT: 17.81 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion:167 Resp: 1594001
 Ion Ratio Lower Upper
 167 100
 166 24.8 20.2 30.2
 139 13.2 12.8 19.2





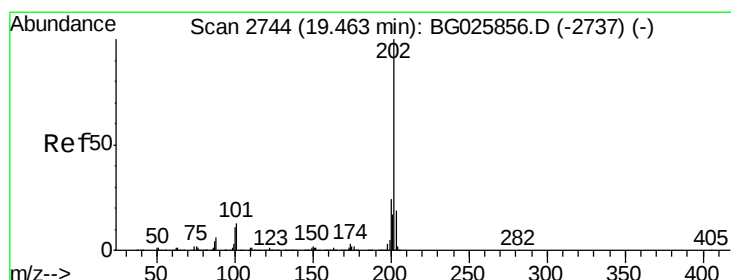
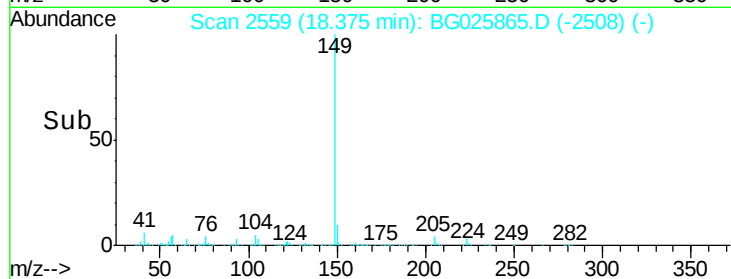
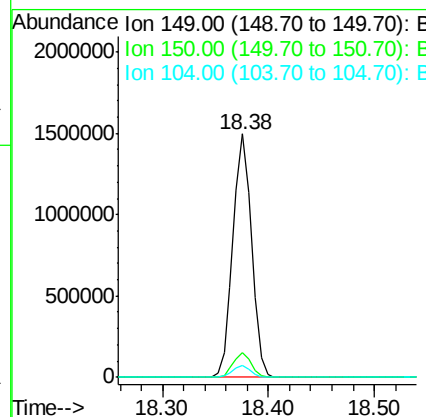
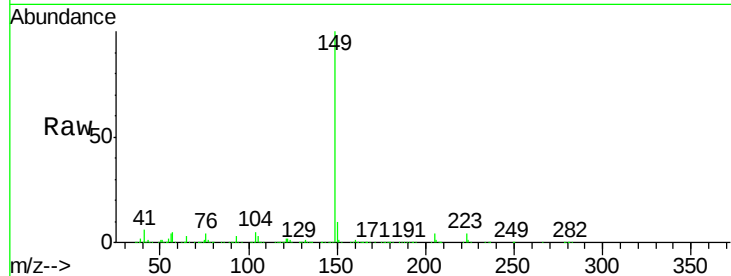
#73
Di-n-butylphthalate
Concen: 45.43 ng
RT: 18.38 min Scan# 2559
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1822944		
150	10.4		9.1	13.7
104	4.9		6.7	10.1

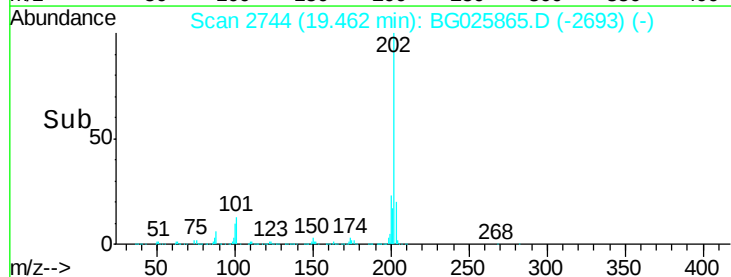
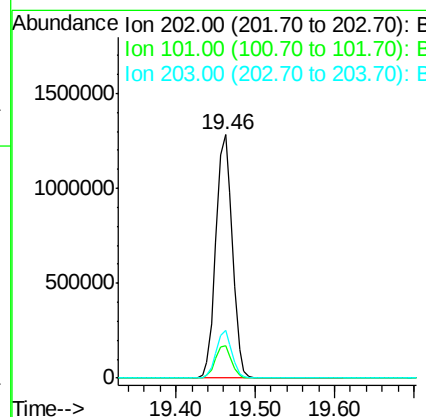
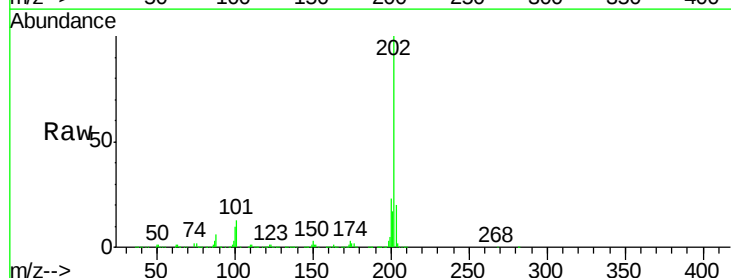
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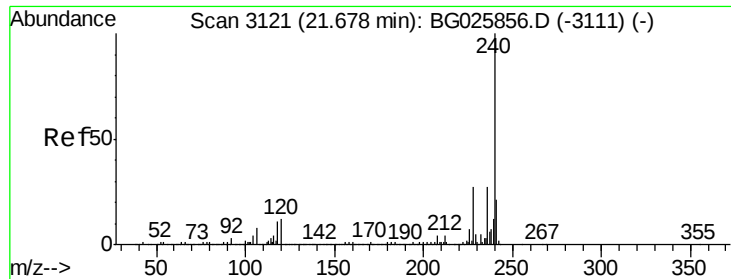
mohammad
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#74
Fluoranthene
Concen: 41.97 ng
RT: 19.46 min Scan# 2744
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1844042		
101	13.1		0.0	30.1
203	19.5		1.3	41.3





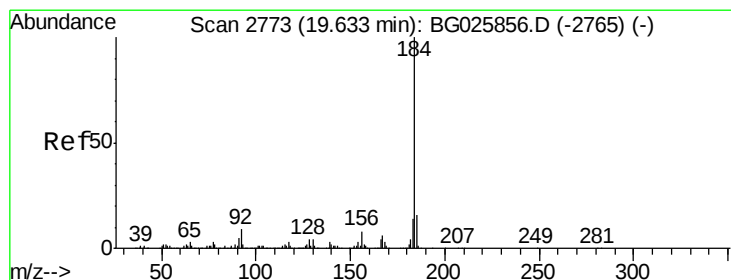
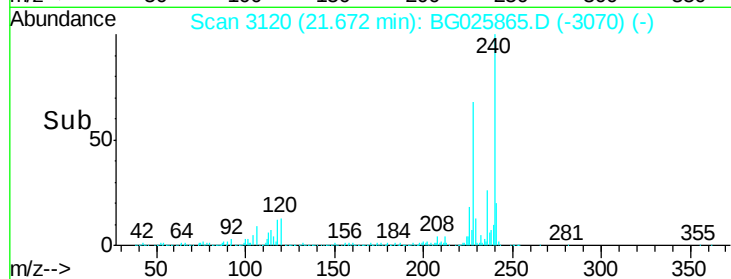
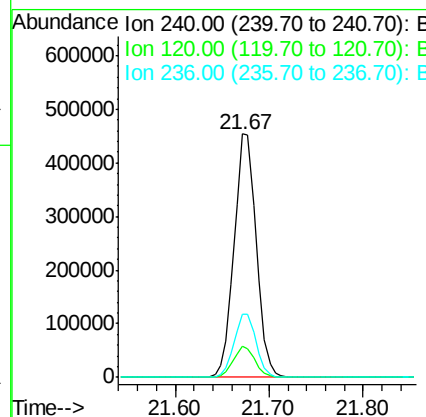
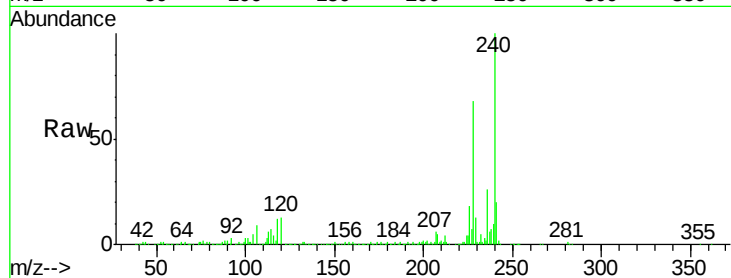
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.67 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.7	8.5#
236	26.0	22.2	33.4

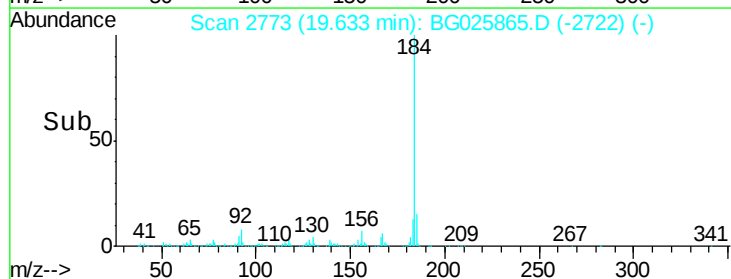
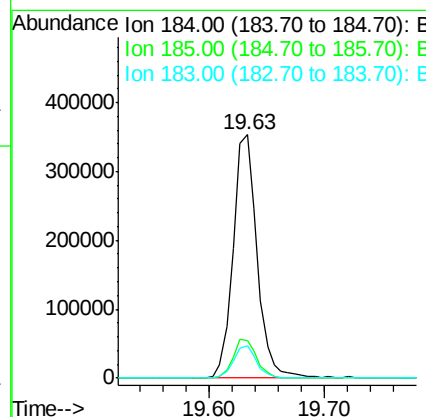
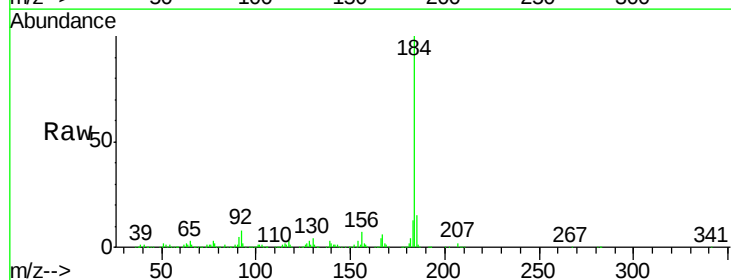
Manual Integrations
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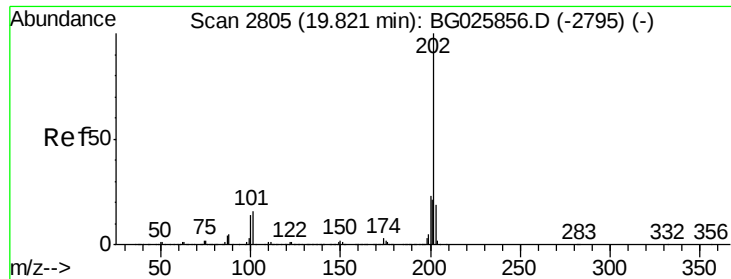
mohammad
2/20/2017 12:58:39 PM



#76
Benzidine
Concen: 21.61 ng
RT: 19.63 min Scan# 2773
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.5	13.0	19.6
183	13.3	11.0	16.6





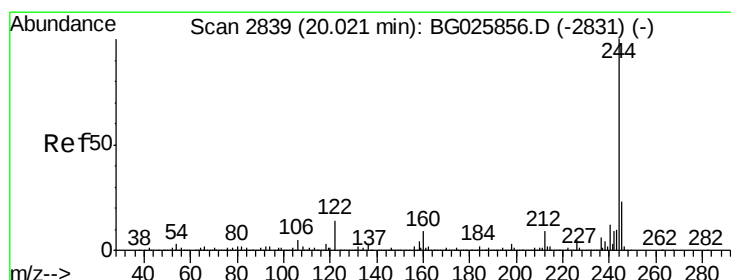
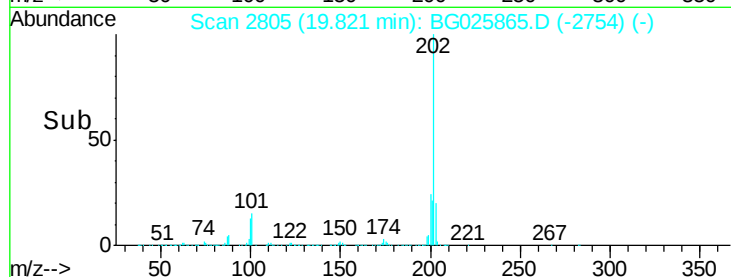
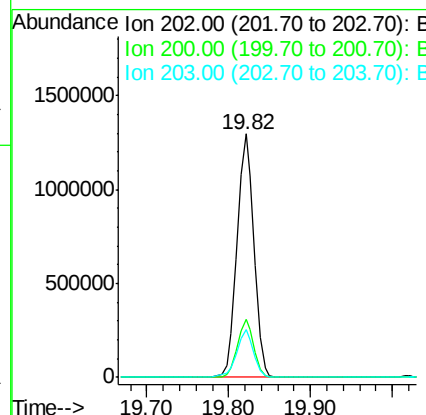
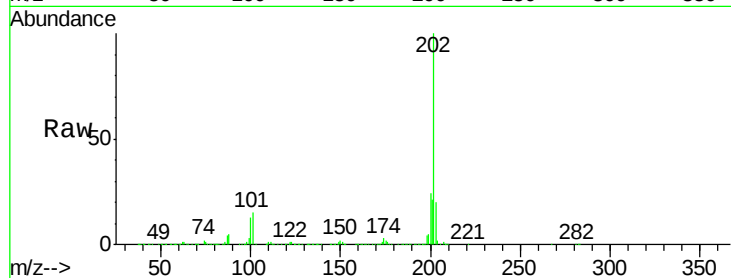
#77
 Pyrene
 Concen: 39.56 ng
 RT: 19.82 min Scan# 2805
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.7	19.6	29.4
203	19.7	15.8	23.8

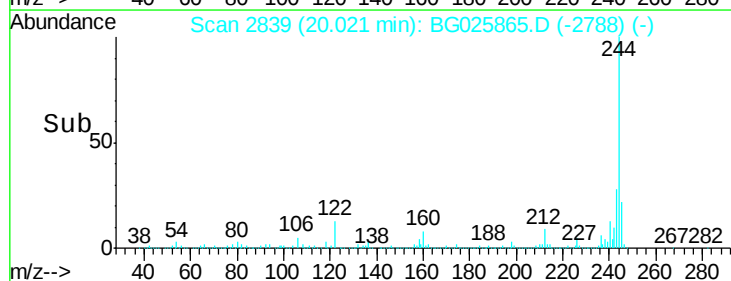
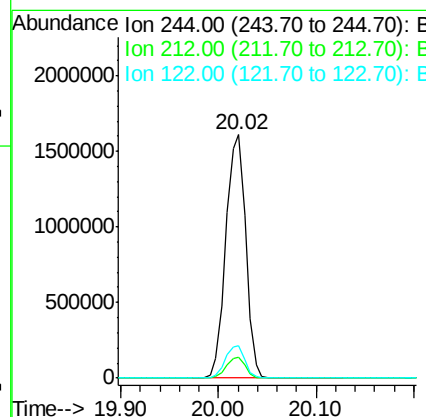
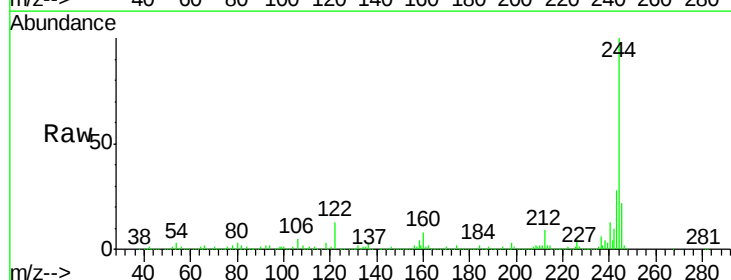
Manual Integrations
 APPROVED

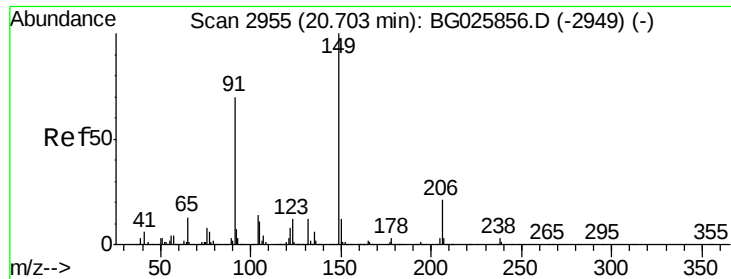
mohammad
 2/20/2017 12:58:39 PM



#78
 Terphenyl-d14
 Concen: 74.37 ng
 RT: 20.02 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	10.0	15.0#
122	13.1	8.6	12.8#





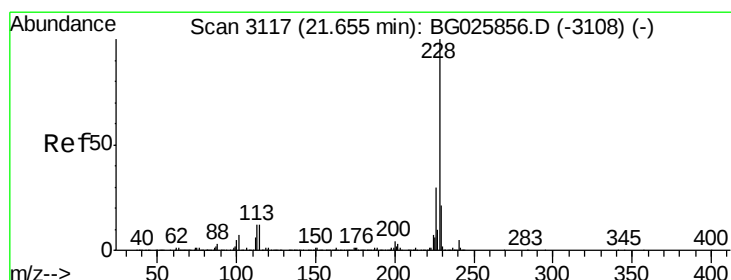
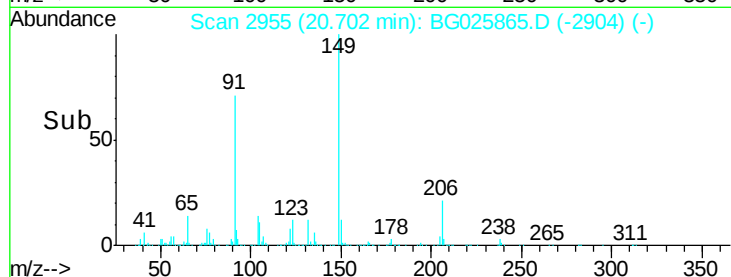
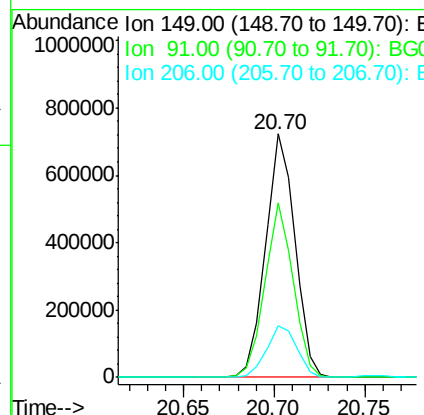
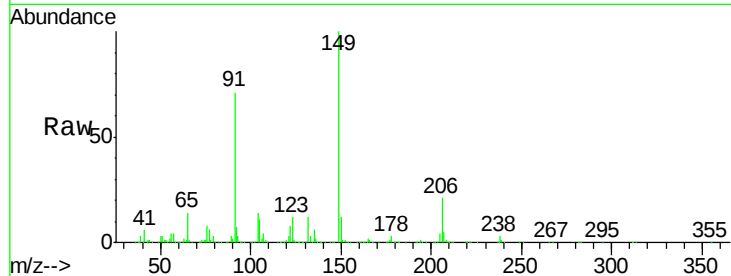
#79
Butylbenzylphthalate
Concen: 45.54 ng
RT: 20.70 min Scan# 2955
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	71.4	63.5	95.3
206	21.3	21.0	31.6

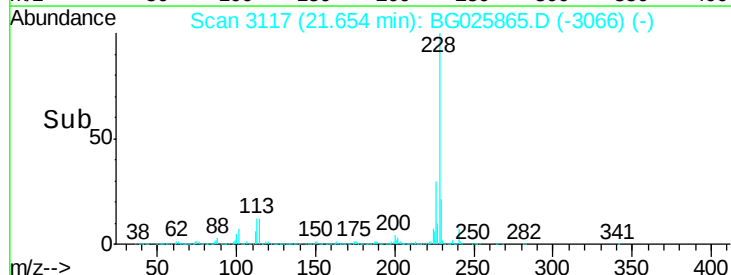
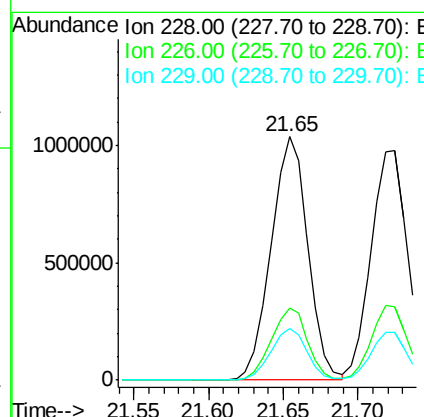
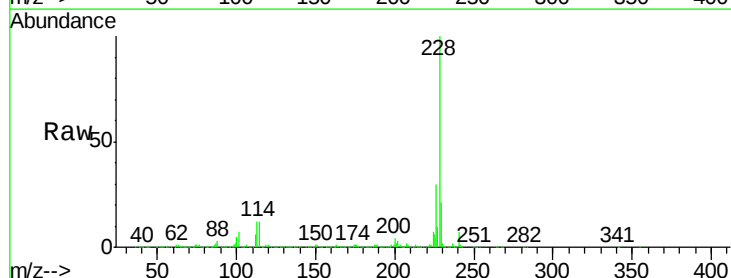
Manual Integrations
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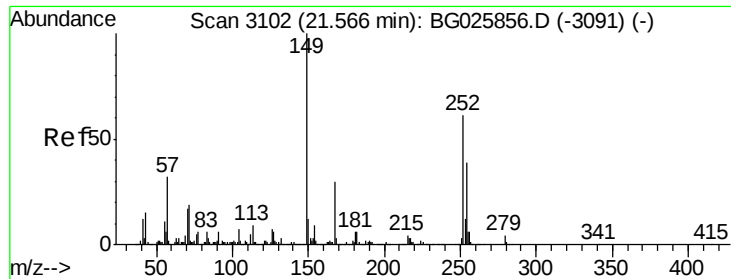
mohammad
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#80
Benzo(a)anthracene
Concen: 40.76 ng
RT: 21.65 min Scan# 3117
Delta R.T. -0.00 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.5	24.9	37.3
229	21.4	18.2	27.2





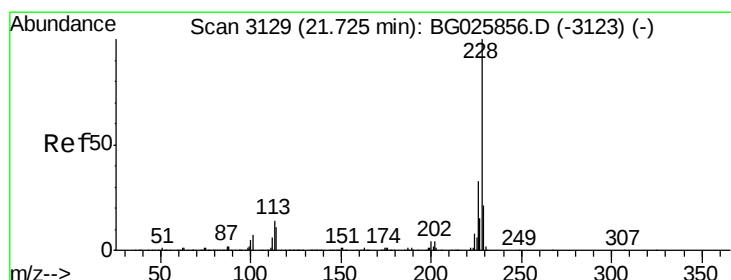
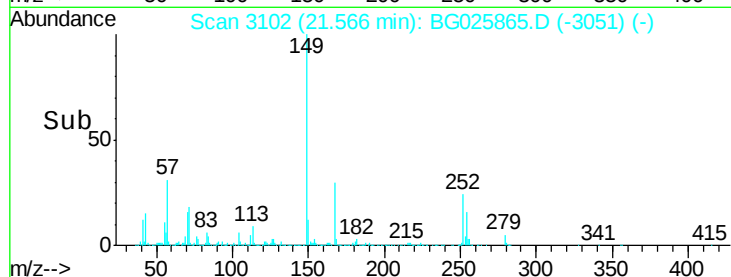
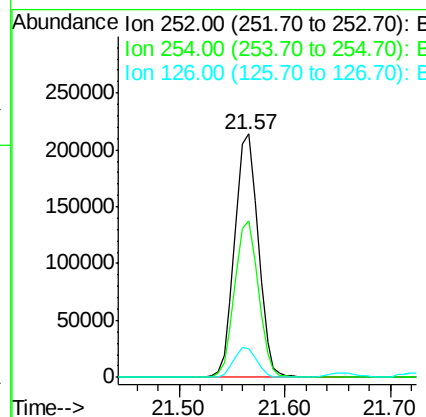
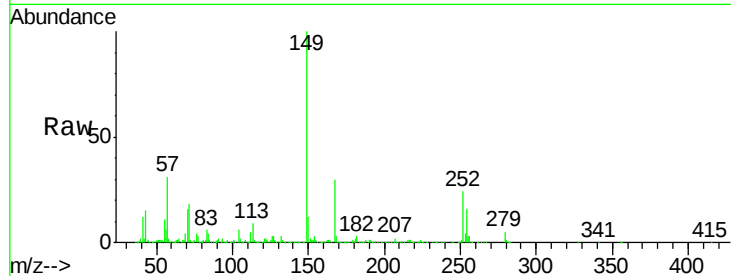
#81
 3,3'-Dichlorobenzidine
 Concen: 21.35 ng
 RT: 21.57 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.2	53.1	79.7
126	11.5	7.0	10.4

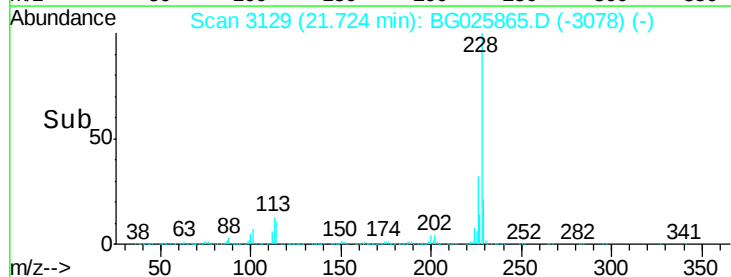
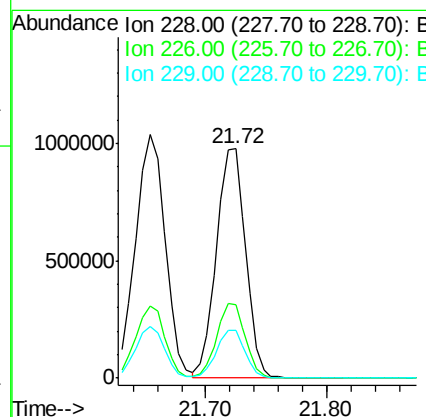
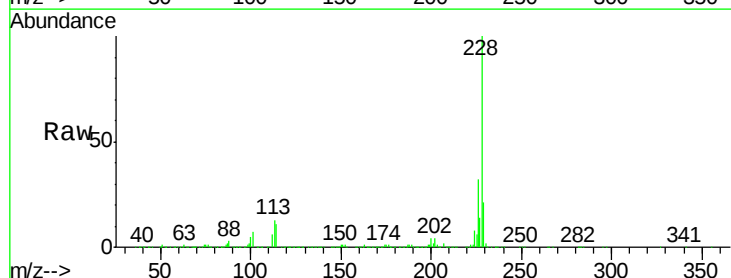
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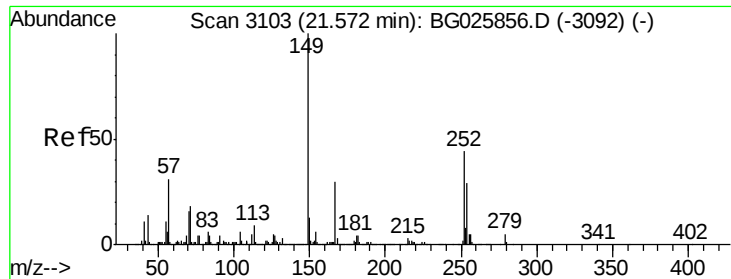
mohammad
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#82
 Chrysene
 Concen: 38.92 ng
 RT: 21.72 min Scan# 3129
 Delta R.T. -0.00 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	27.0	40.4
229	20.8	17.8	26.6





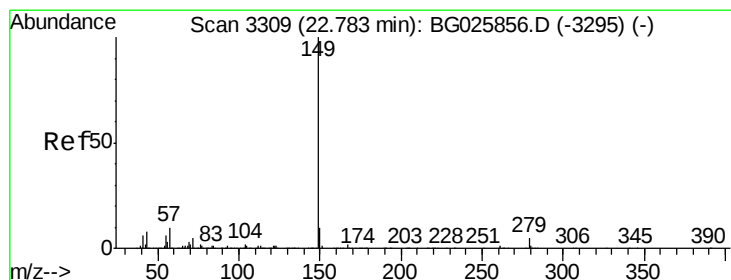
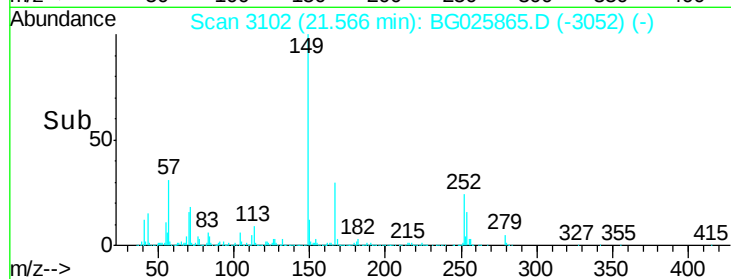
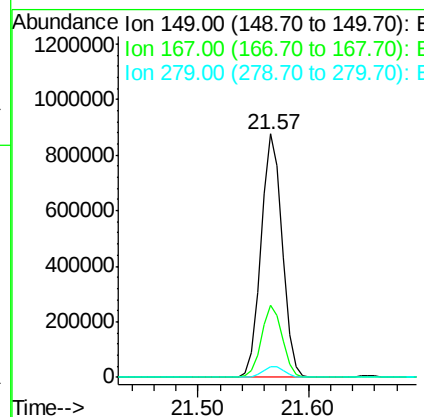
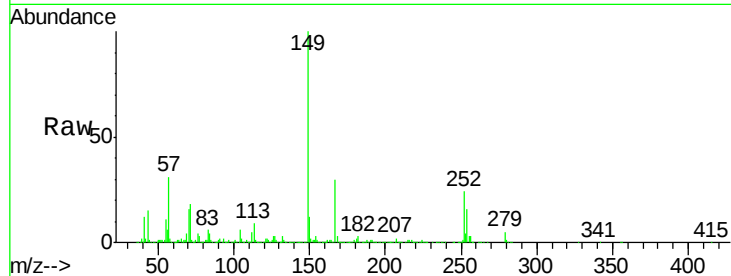
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.76 ng
 RT: 21.57 min Scan# 3102
 Delta R.T. -0.01 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Instrument :
 BNA_G
 ClientSampleId :
 PB97017BSD

Tgt Ion:149 Resp: 1181238
 Ion Ratio Lower Upper
 149 100
 167 29.6 23.7 35.5
 279 4.6 4.6 6.8

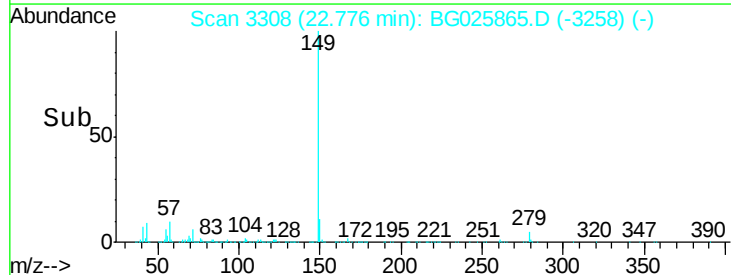
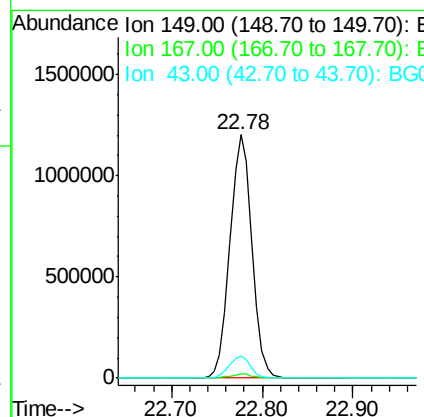
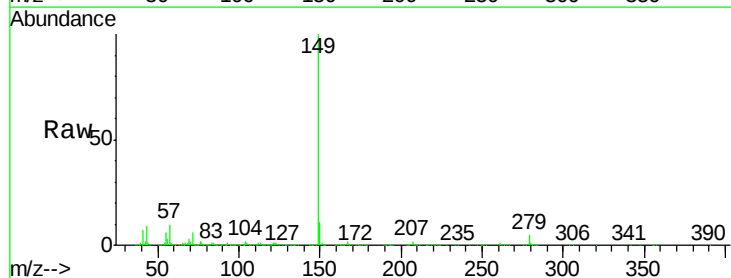
Manual Integrations
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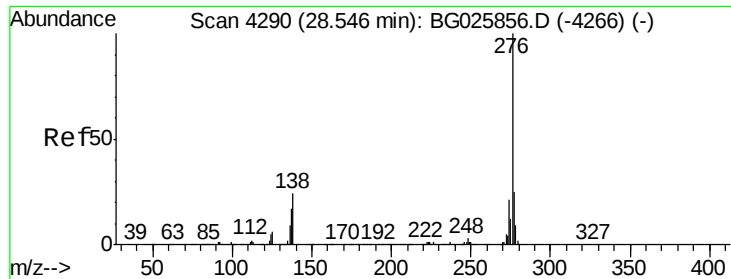
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 47.14 ng
 RT: 22.78 min Scan# 3308
 Delta R.T. -0.01 min
 Lab File: BG025865.D
 Acq: 17 Feb 2017 18:58

Tgt Ion:149 Resp: 2009667
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.4 2.2
 43 8.8 11.8 17.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 42.80 ng

RT: 28.55 min Scan# 4290

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion:276 Resp: 2108392

Ion Ratio Lower Upper

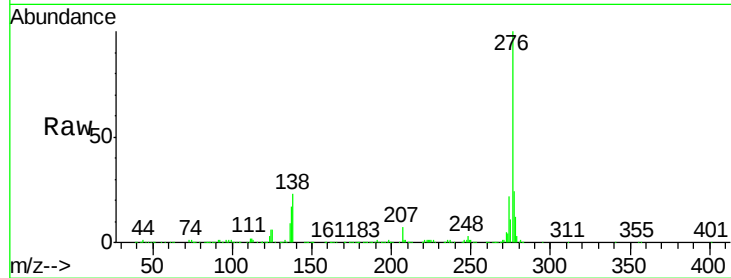
276 100

138 21.7 4.7 7.1#

277 26.0 20.6 31.0

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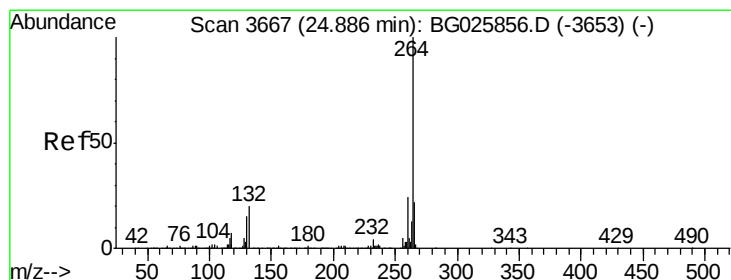
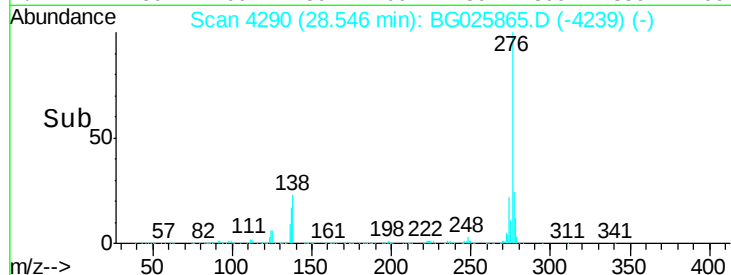
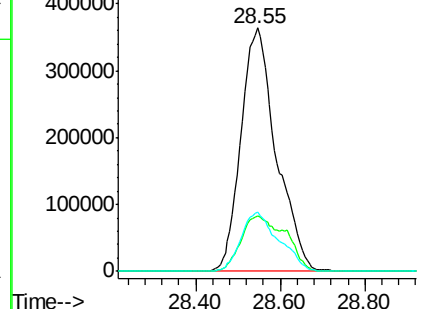
mohammad
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.89 min Scan# 3667

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

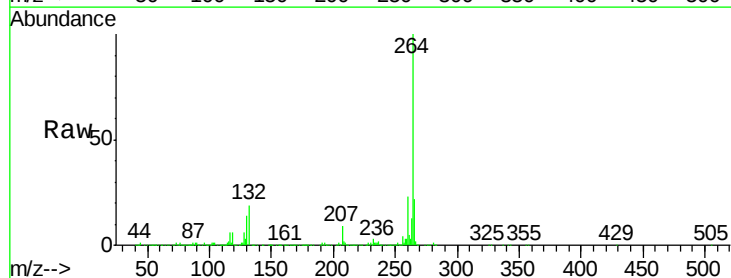
Tgt Ion:264 Resp: 741792

Ion Ratio Lower Upper

264 100

260 22.9 21.8 32.8

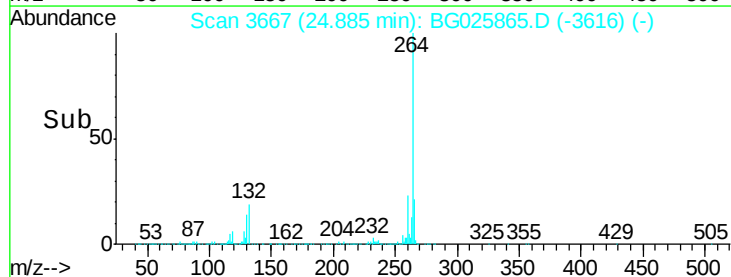
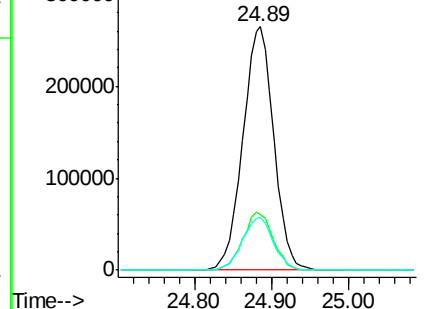
265 21.5 18.2 27.4

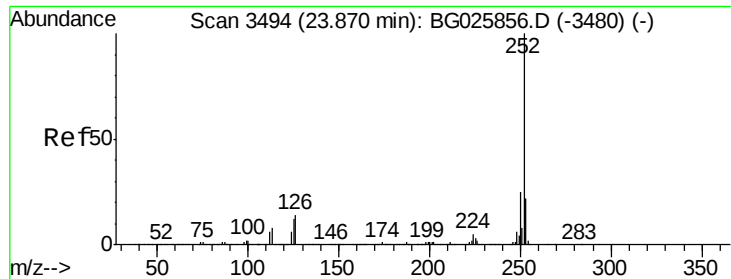


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 40.70 ng

RT: 23.87 min Scan# 3494

Delta R.T. -0.00 min

Lab File: BG025865.D

Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD

Tgt Ion:252 Resp: 1808355
Ion Ratio Lower Upper

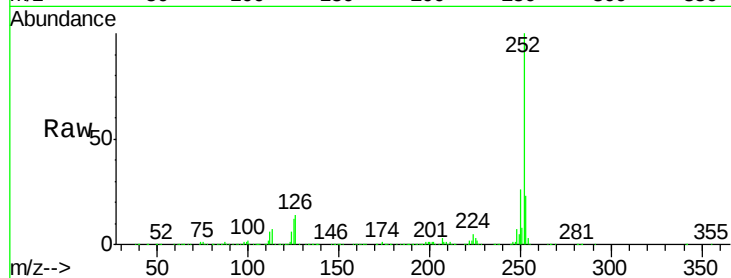
252 100

253 22.8 18.7 28.1

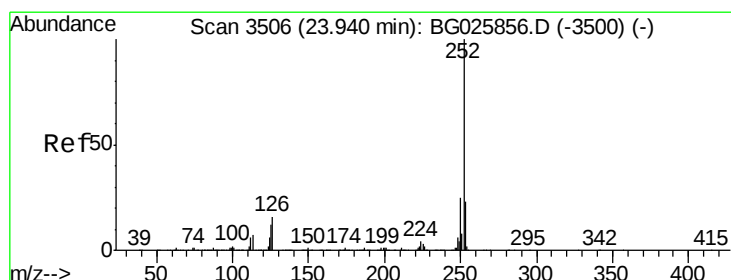
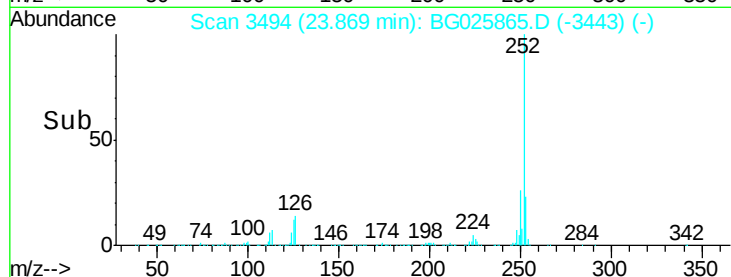
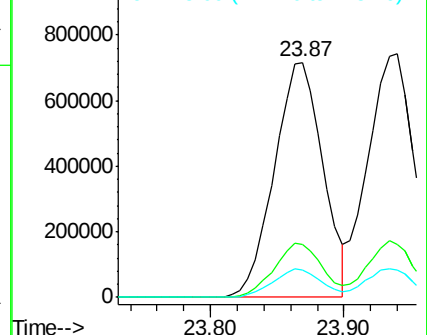
125 11.6 5.3 7.9#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 41.15 ng

RT: 23.94 min Scan# 3506

Delta R.T. -0.00 min

Lab File: BG025865.D

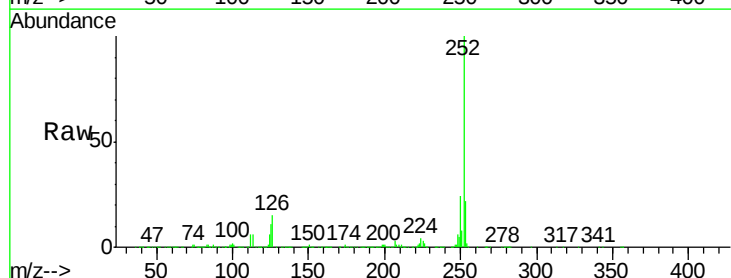
Acq: 17 Feb 2017 18:58

Tgt Ion:252 Resp: 1783856
Ion Ratio Lower Upper

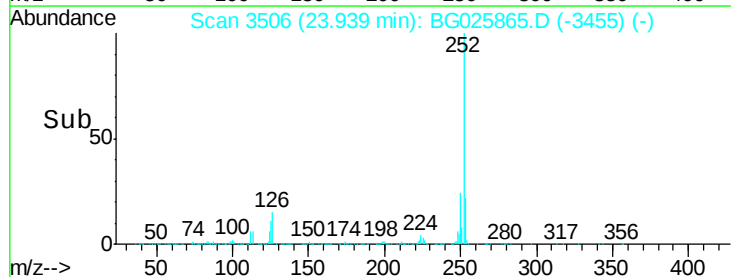
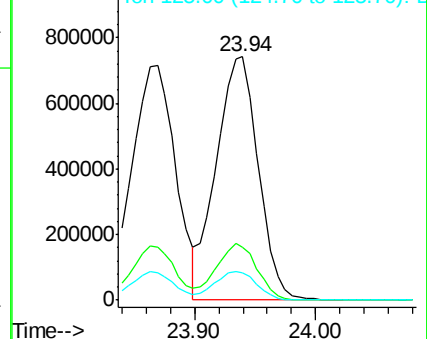
252 100

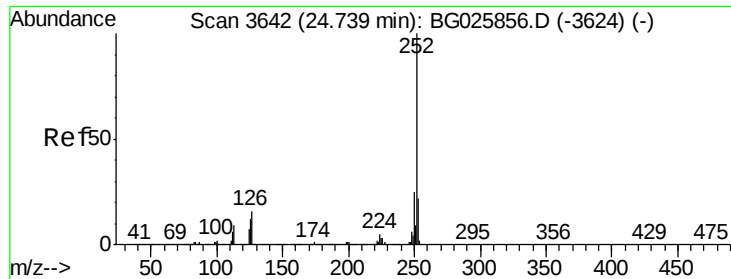
253 21.7 20.2 30.2

125 11.4 5.1 7.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





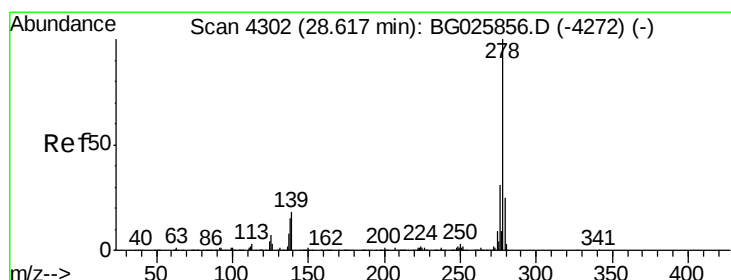
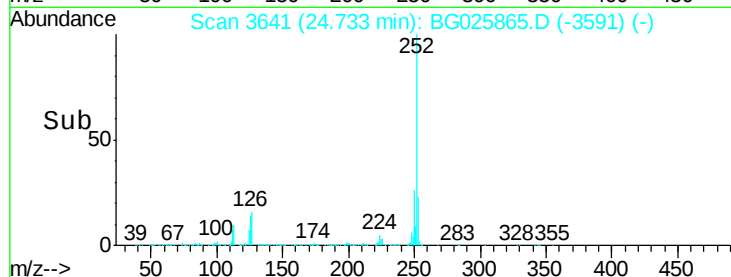
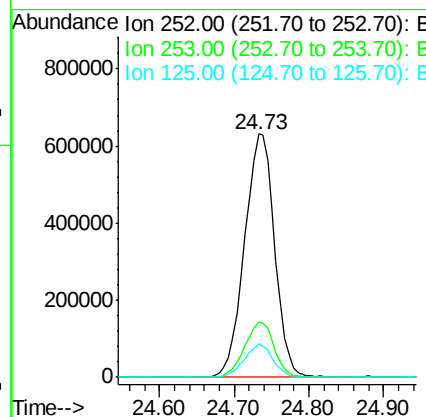
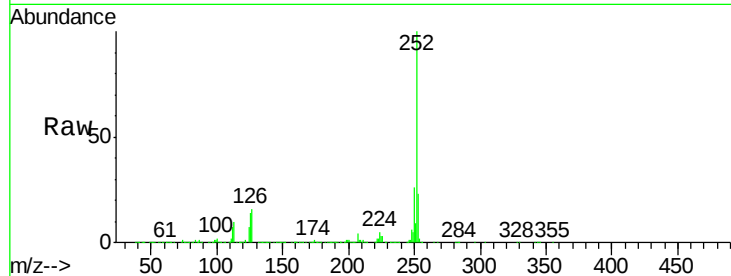
#89
Benzo(a)pyrene
Concen: 41.89 ng
RT: 24.73 min Scan# 3641
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Instrument :
BNA_G
ClientSampleId :
PB97017BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.2	28.8
125	13.6	5.4	8.0

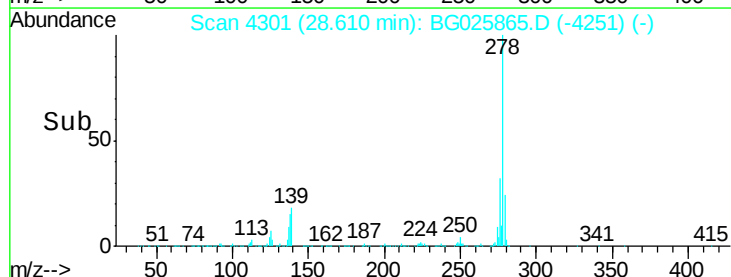
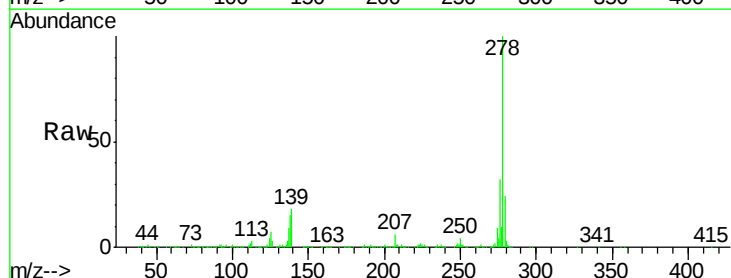
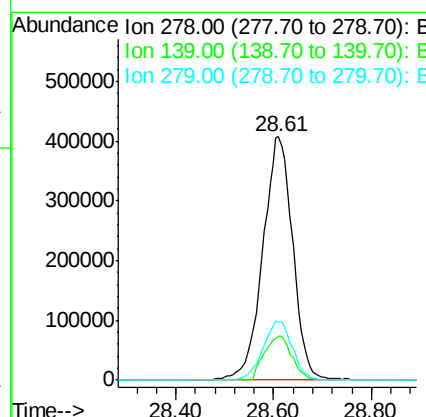
Manual Integrations
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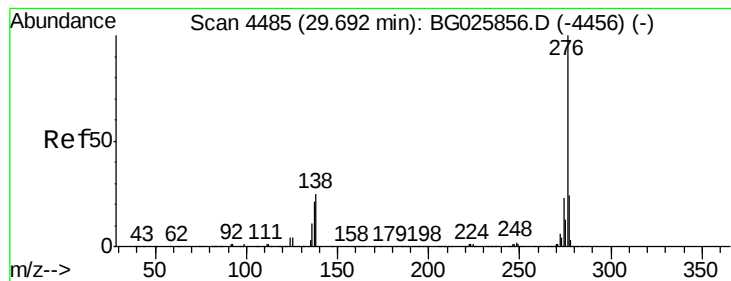
mohammad
2/20/2017 12:58:39 PM



#90
Dibenzo(a,h)anthracene
Concen: 41.03 ng
RT: 28.61 min Scan# 4301
Delta R.T. -0.01 min
Lab File: BG025865.D
Acq: 17 Feb 2017 18:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	7.7	11.5
279	24.0	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 41.22 ng

RT: 29.69 min Scan# 4485

Delta R.T. -0.00 min

Lab File: BG025865.D

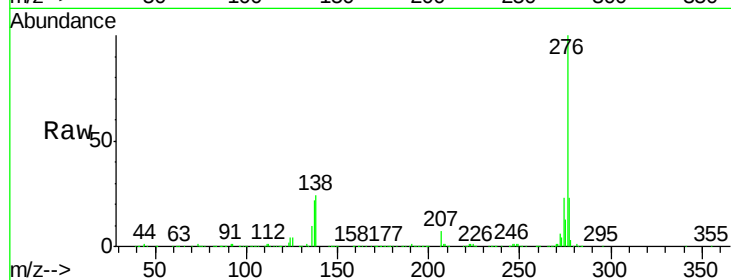
Acq: 17 Feb 2017 18:58

Instrument :

BNA_G

ClientSampleId :

PB97017BSD



Tgt Ion:	276	Resp:	1746813
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.6	27.8
138	24.4	8.1	12.1#

Manual Integrations
APPROVED

mohammad
2/20/2017 12:58:39 PM

