

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071416\
 Data File : BG023104.D
 Acq On : 14 Jul 2016 16:52
 Operator : UM/SJ
 Sample : PB91968BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Manual Integrations

APPROVED
 Sohil
 7/15/2016 9:14:22 AM

Quant Time: Jul 14 18:57:52 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	104409	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	489462	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	402375	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	975415	20.00	ng	0.00
75) Chrysene-d12	21.87	240	1008326	20.00	ng	0.02
86) Perylene-d12	25.24	264	1021104	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	816395	127.88	ng	0.00
7) Phenol-d6	7.31	99	1288184	128.84	ng	0.00
23) Nitrobenzene-d5	9.33	82	908406	79.47	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	728505	100.74	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1893057	74.11	ng	0.00
78) Terphenyl-d14	20.16	244	2787129	89.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	101761	41.01	ng	97
3) Pyridine	3.97	79	251173	29.58	ng	95
4) n-Nitrosodimethylamine	3.88	42	136279	37.41	ng	# 95
6) Aniline	7.47	93	352636	25.45	ng	97
8) 2-Chlorophenol	7.72	128	304896	44.88	ng	97
9) Benzaldehyde	7.28	77	143078	21.42	ng	93
10) Phenol	7.34	94	468175	45.51	ng	89
11) bis(2-Chloroethyl)ether	7.56	93	302797	37.13	ng	92
12) 1,3-Dichlorobenzene	8.04	146	293877	35.34	ng	99
13) 1,4-Dichlorobenzene	8.19	146	303586	36.47	ng	96
14) 1,2-Dichlorobenzene	8.51	146	306224	37.00	ng	95
15) Benzyl Alcohol	8.39	79	411089	44.89	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.69	45	374832	37.63	ng	97
17) 2-Methylphenol	8.60	107	299976	44.79	ng	93
18) Hexachloroethane	9.24	117	128843	36.66	ng	96
19) n-Nitroso-di-n-propylamine	8.96	70	330395	36.66	ng	95
20) 3+4-Methylphenols	8.93	107	432611	46.32	ng	97
22) Acetophenone	8.98	105	521199	35.48	ng	# 95
24) Nitrobenzene	9.37	77	489992	40.34	ng	93
25) Isophorone	9.89	82	873497	37.99	ng	96
26) 2-Nitrophenol	10.09	139	189567	39.77	ng	88
27) 2,4-Dimethylphenol	10.14	122	337728	40.99	ng	94
28) bis(2-Chloroethoxy)methane	10.37	93	487503	38.02	ng	99
29) 2,4-Dichlorophenol	10.63	162	384861	43.80	ng	98
30) 1,2,4-Trichlorobenzene	10.84	180	364449	36.19	ng	94
31) Naphthalene	11.03	128	964894	38.73	ng	97
32) Benzoic acid	10.28	122	238021	31.76	ng	93
33) 4-Chloroaniline	11.14	127	177684	14.58	ng	96
34) Hexachlorobutadiene	11.31	225	278309	34.10	ng	94
35) Caprolactam	11.92	113	137962	38.16	ng	98
36) 4-Chloro-3-methylphenol	12.26	107	497639	41.41	ng	97
37) 2-Methylnaphthalene	12.63	142	790624	40.15	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	514422	29.67	ng	99
40) Hexachlorocyclopentadiene	12.97	237	635836	63.70	ng	98

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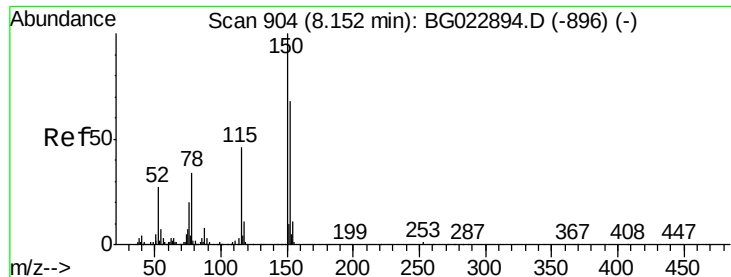
Manual Integrations

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 Sohil
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 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.24	196	380868	38.21	nq	98
43) 2,4,5-Trichlorophenol	13.31	196	410062	40.07	nq	94
45) 1,1'-Biphenyl	13.63	154	1109880	36.76	nq	97
46) 2-Chloronaphthalene	13.68	162	941222	38.43	nq	98
47) 2-Nitroaniline	13.89	65	411195	39.35	nq	94
48) Acenaphthylene	14.53	152	1408319	38.33	nq	100
49) Dimethylphthalate	14.25	163	1242609	37.81	nq	98
50) 2,6-Dinitrotoluene	14.37	165	291905	39.52	nq	88
51) Acenaphthene	14.87	154	1179220m	49.12	nq	
52) 3-Nitroaniline	14.71	138	184606	25.06	nq	93
53) 2,4-Dinitrophenol	14.91	184	345380	68.14	nq	96
54) Dibenzofuran	15.20	168	1499559	41.73	nq	98
55) 4-Nitrophenol	15.03	139	438118	70.96	nq	95
56) 2,4-Dinitrotoluene	15.16	165	425256	39.49	nq	95
57) Fluorene	15.85	166	1224199	39.58	nq	97
58) 2,3,4,6-Tetrachlorophenol	15.43	232	424331m	41.44	nq	
59) Diethylphthalate	15.61	149	1314206	39.30	nq	96
60) 4-Chlorophenyl-phenylether	15.84	204	702175	37.28	nq	98
61) 4-Nitroaniline	15.88	138	285417	35.81	nq	# 81
62) Azobenzene	16.13	77	1461279	45.68	nq	94
64) 4,6-Dinitro-2-methylphenol	15.93	198	260359	35.91	nq	95
65) n-Nitrosodiphenylamine	16.05	169	1142025	40.64	nq	99
66) 4-Bromophenyl-phenylether	16.74	248	481347	37.93	nq	95
67) Hexachlorobenzene	16.86	284	498121	36.10	nq	99
68) Atrazine	17.01	200	494226	39.65	nq	99
69) Pentachlorophenol	17.21	266	634730	71.03	nq	98
70) Phenanthrene	17.60	178	1932511	40.43	nq	97
71) Anthracene	17.69	178	1952332	40.33	nq	98
72) Carbazole	17.96	167	1696309	40.56	nq	99
73) Di-n-butylphthalate	18.50	149	2028326	43.61	nq	99
74) Fluoranthene	19.61	202	2200528	37.51	nq	98
76) Benzidine	19.79	184	1069484	37.00	nq	99
77) Pyrene	19.97	202	2224397	39.26	nq	99
79) Butylbenzylphthalate	20.84	149	1001305	44.61	nq	95
80) Benzo(a)anthracene	21.84	228	2304540	40.85	nq	98
81) 3,3'-Dichlorobenzidine	21.75	252	634894	25.64	nq	97
82) Chrysene	21.91	228	2181795	41.23	nq	98
83) Bis(2-ethylhexyl)phthalate	21.72	149	1359720	43.63	nq	100
84) Di-n-octyl phthalate	22.99	149	2263937	43.56	nq	99
85) Indeno(1,2,3-cd)pyrene	29.10	276	2558440	37.92	nq	# 100
87) Benzo(b)fluoranthene	24.16	252	2407817	40.87	nq	98
88) Benzo(k)fluoranthene	24.24	252	2350615	42.05	nq	# 96
89) Benzo(a)pyrene	25.08	252	2370002	41.97	nq	# 97
90) Dibenzo(a,h)anthracene	29.17	278	2101080	37.49	nq	# 95
91) Benzo(g,h,i)perylene	30.32	276	1980773	35.29	nq	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:152 Resp: 104409

Ion Ratio Lower Upper

152 100

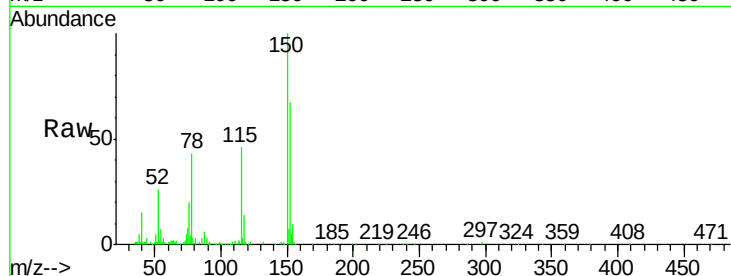
150 149.6 144.7 217.1

115 69.2 64.0 96.0

Manual Integrations

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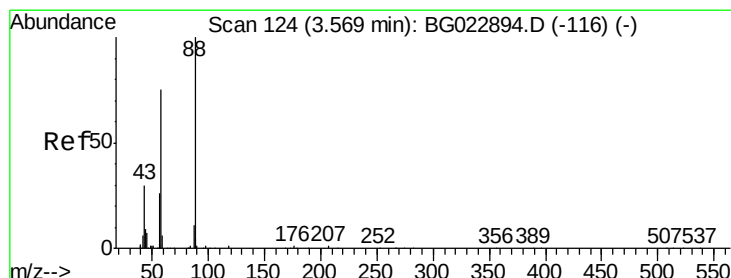
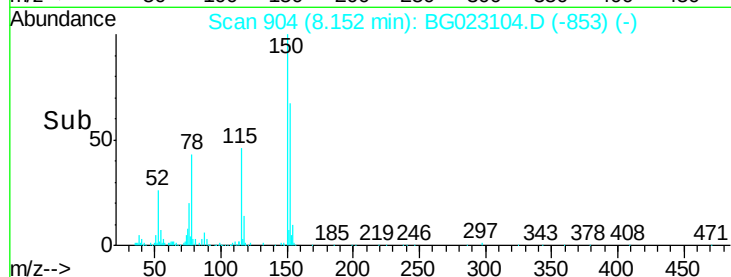
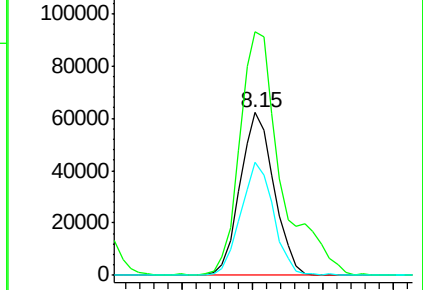
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 41.01 ng

RT: 3.56 min Scan# 123

Delta R.T. -0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

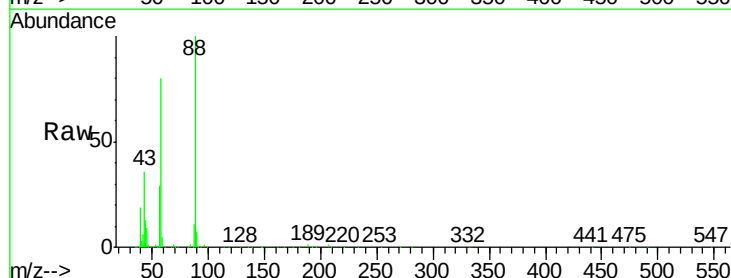
Tgt Ion: 88 Resp: 101761

Ion Ratio Lower Upper

88 100

58 76.1 60.4 90.6

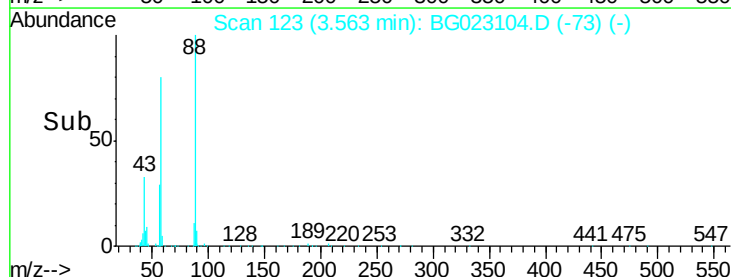
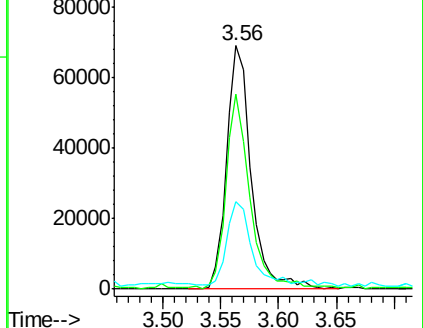
43 34.6 31.1 46.7

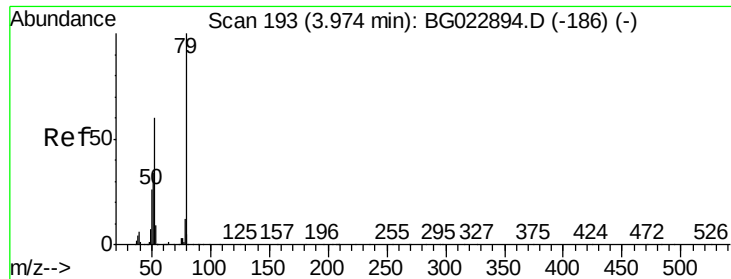


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 29.58 ng

RT: 3.97 min Scan# 192

Delta R.T. -0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

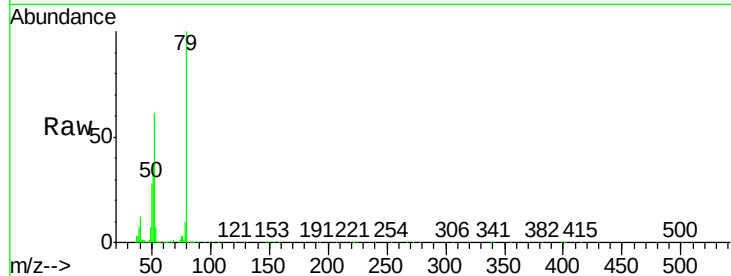
ClientSampleId :

PB91968BS

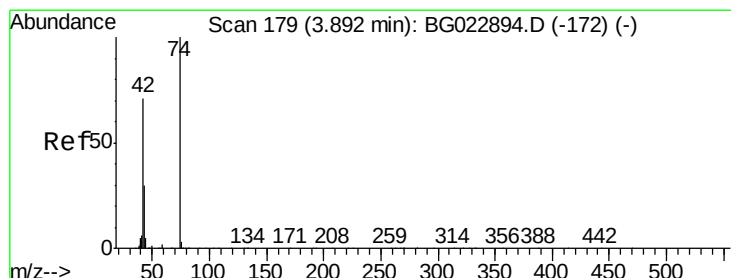
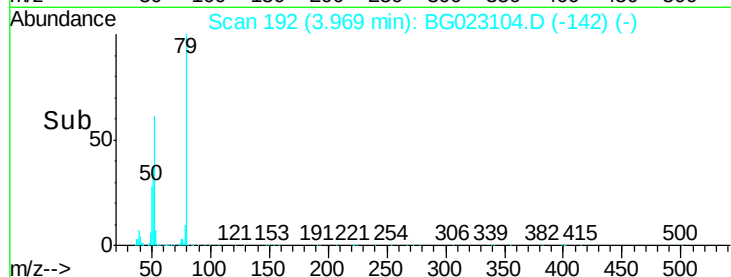
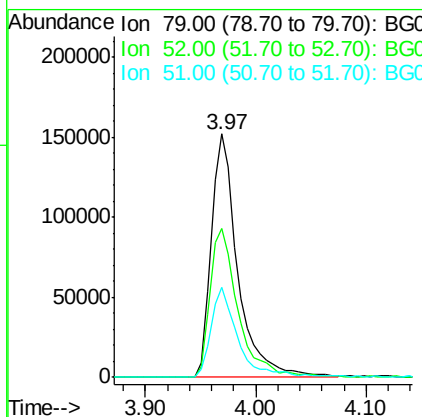
Manual Integrations

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Tot Ion	79	Resp	251173
Ion	Ratio	Lower	Upper
79	100		
52	61.1	51.8	77.8
51	36.9	32.7	49.1



#4

n-Nitrosodimethylamine

Concen: 37.41 ng

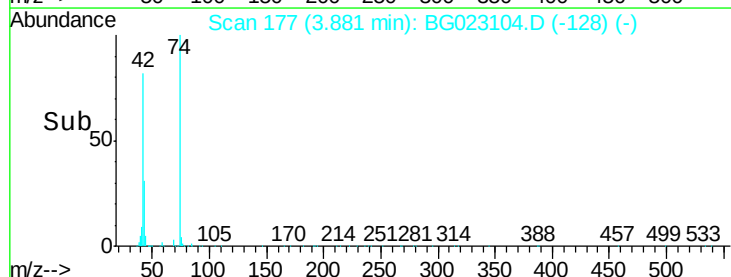
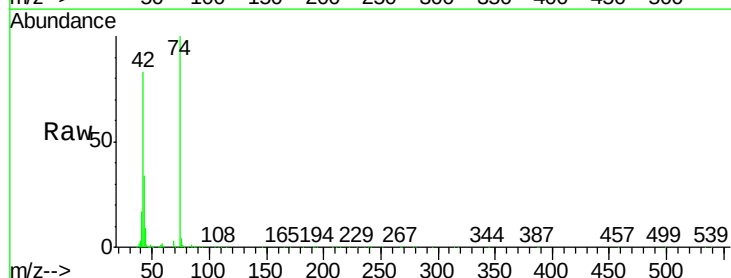
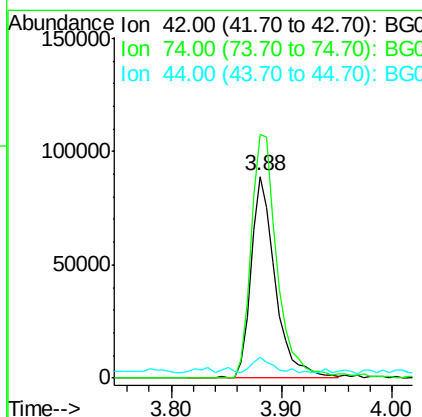
RT: 3.88 min Scan# 177

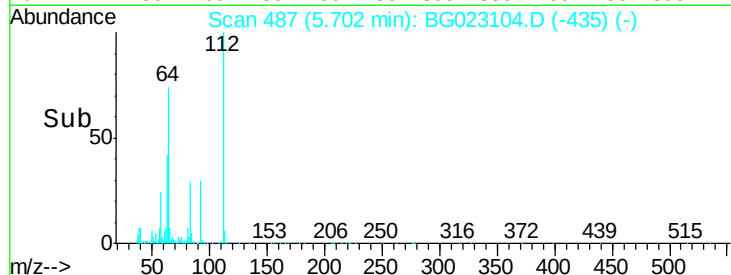
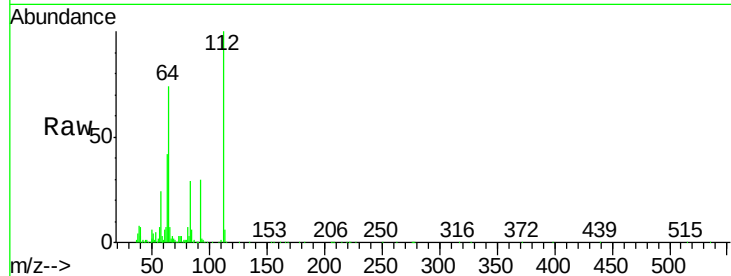
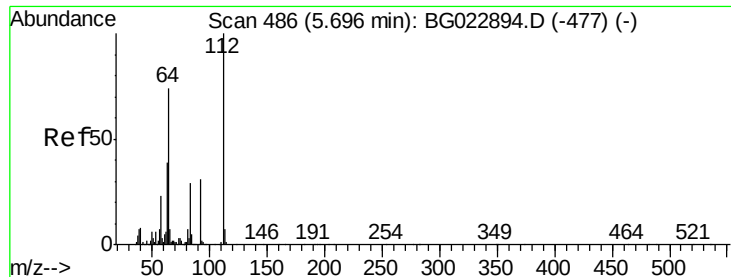
Delta R.T. -0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tgt Ion	42	Resp	136279
Ion	Ratio	Lower	Upper
42	100		
74	120.8	100.6	150.8
44	10.6	4.5	6.7#





#5

2-Fluorophenol

Concen: 127.88 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tot Ion:	112	Resp:	816395
Ion Ratio	Lower	Upper	
112	100		
64	73.8	59.0	88.4
63	42.3	37.8	56.8

Instrument :

BNA_G

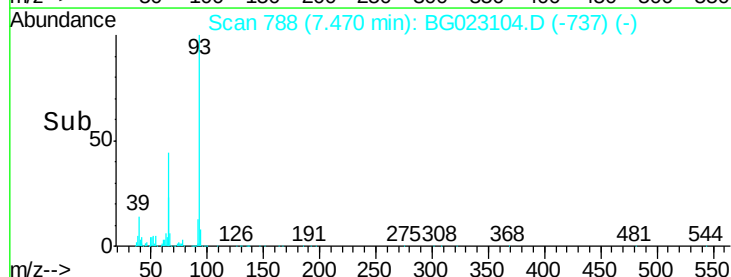
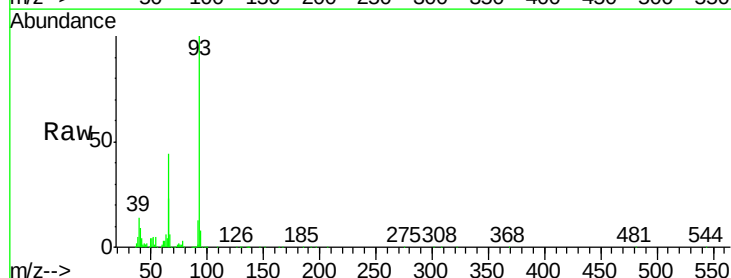
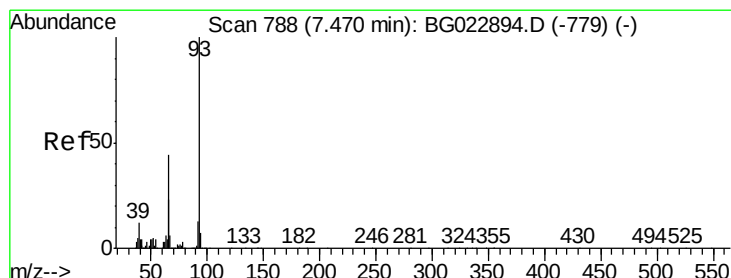
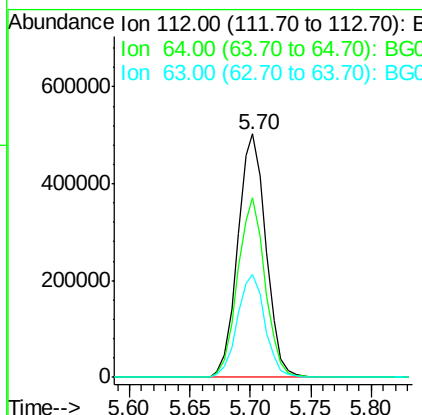
ClientSampleId :

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#6

Aniline

Concen: 25.45 ng

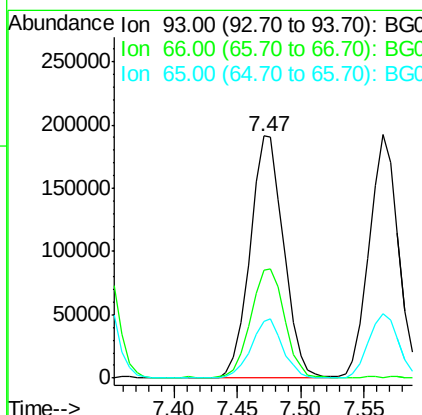
RT: 7.47 min Scan# 788

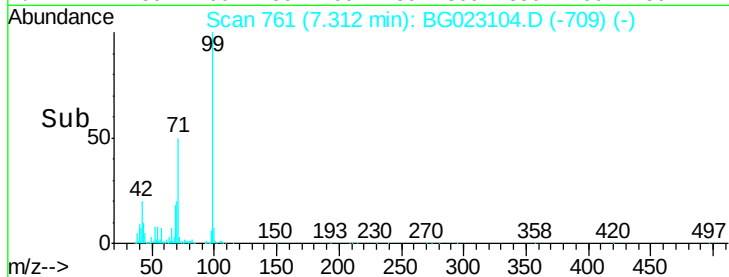
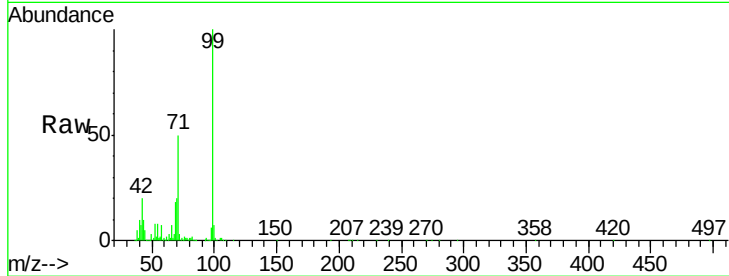
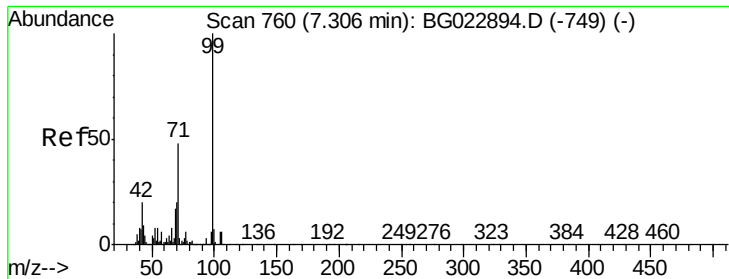
Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tgt Ion:	93	Resp:	352636
Ion Ratio	Lower	Upper	
93	100		
66	44.5	37.5	56.3
65	23.2	17.9	26.9





#7

Phenol-d6

Concen: 128.84 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tot Ion: 99 Resp: 1288184

Ion Ratio Lower Upper

99 100

42 20.3 17.8 26.6

71 50.2 41.5 62.3

Instrument :

BNA_G

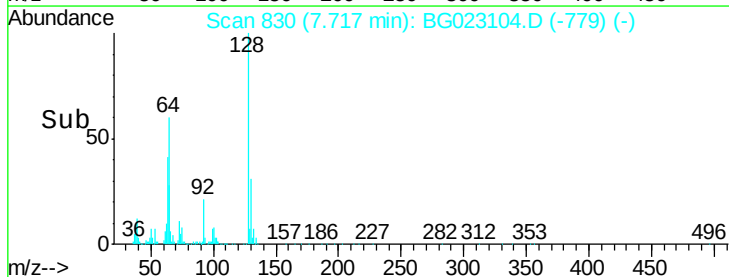
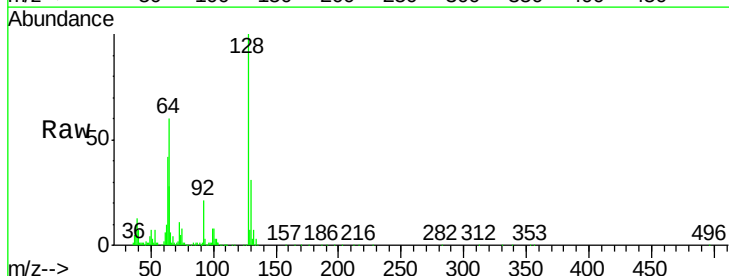
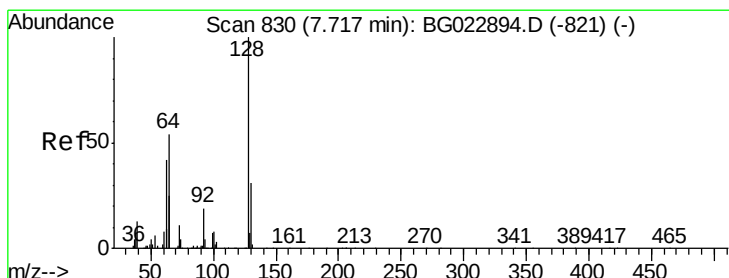
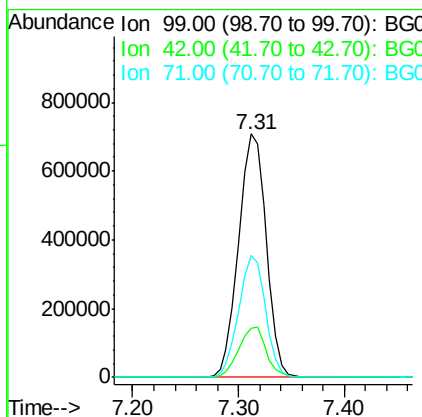
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Manual Integrations

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#8

2-Chlorophenol

Concen: 44.88 ng

RT: 7.72 min Scan# 830

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

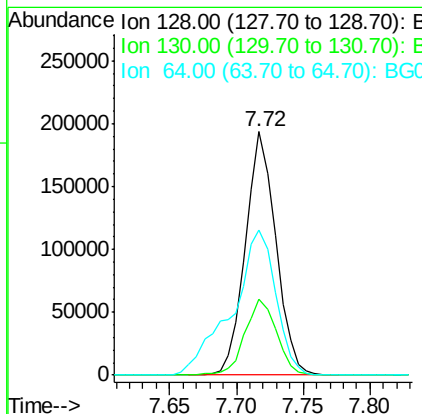
Tgt Ion:128 Resp: 304896

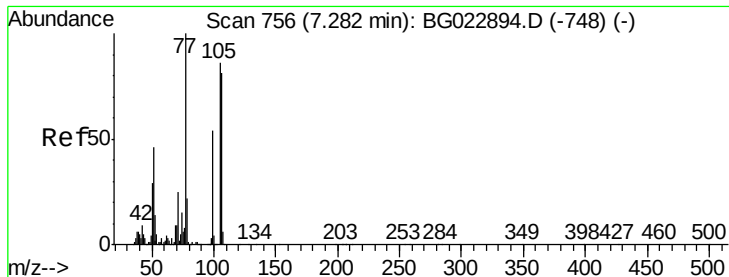
Ion Ratio Lower Upper

128 100

130 31.4 12.9 52.9

64 59.8 42.0 82.0





#9

Benzaldehyde

Concen: 21.42 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion: 77 Resp: 143078

Ion Ratio Lower Upper

77 100

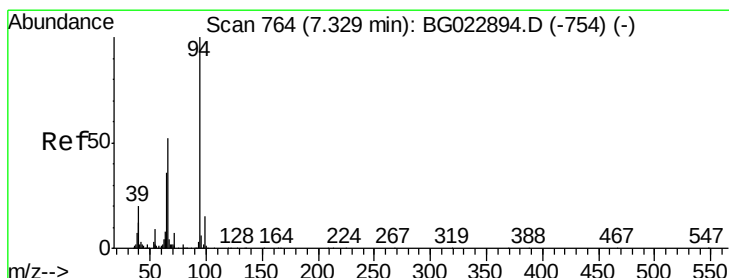
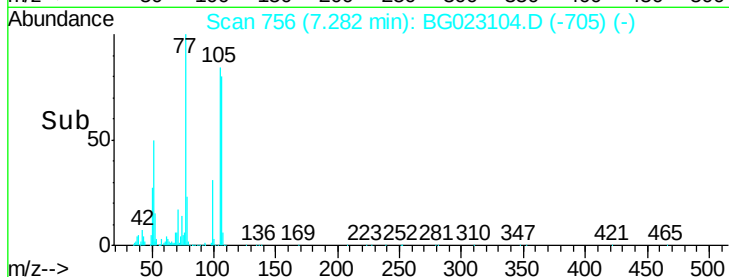
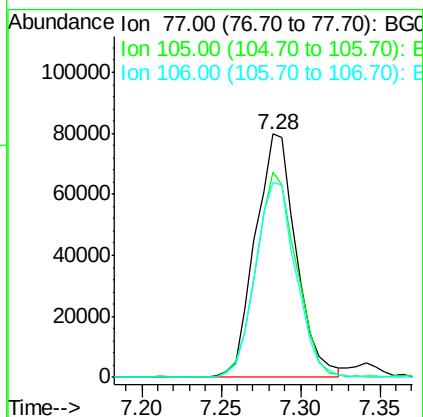
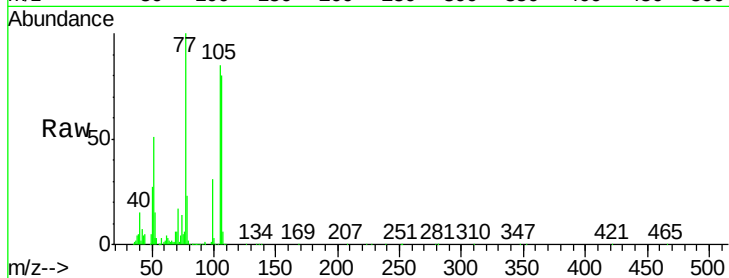
105 84.5 58.7 98.7

106 80.0 67.5 107.5

Manual Integrations

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7/15/2016 9:14:22 AM



#10

Phenol

Concen: 45.51 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

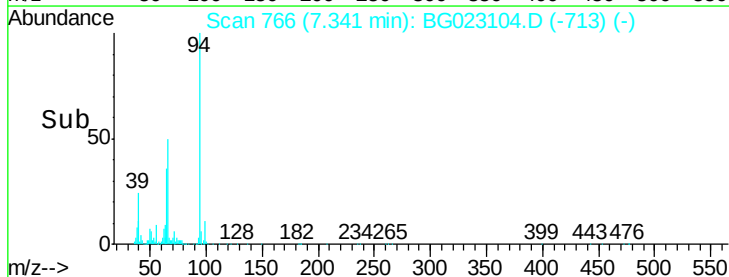
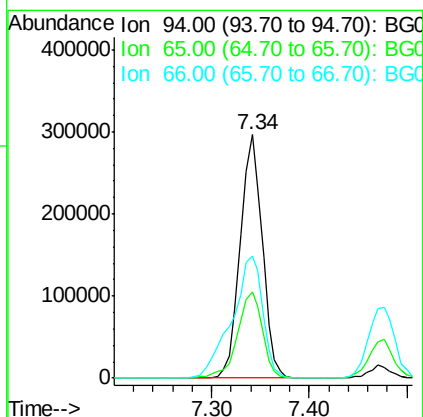
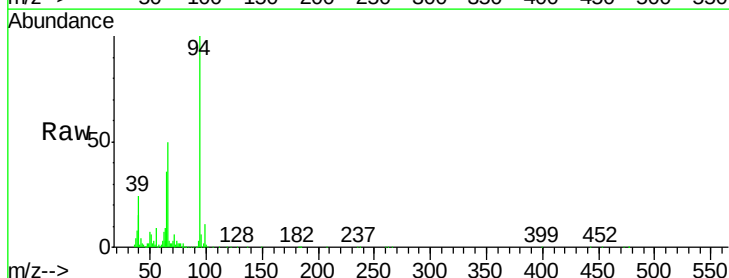
Tgt Ion: 94 Resp: 468175

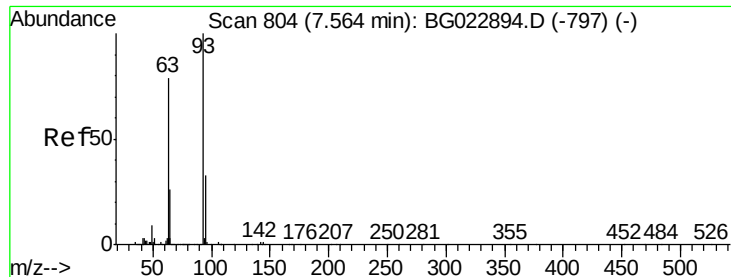
Ion Ratio Lower Upper

94 100

65 35.5 18.1 58.1

66 49.9 42.1 82.1





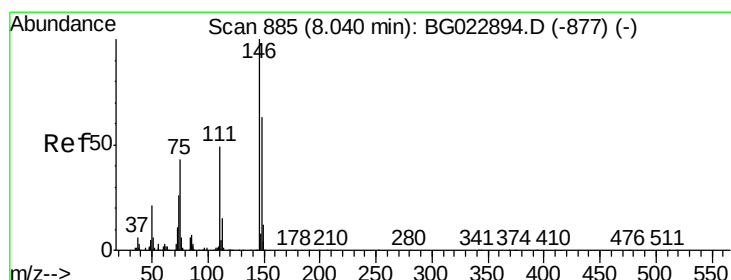
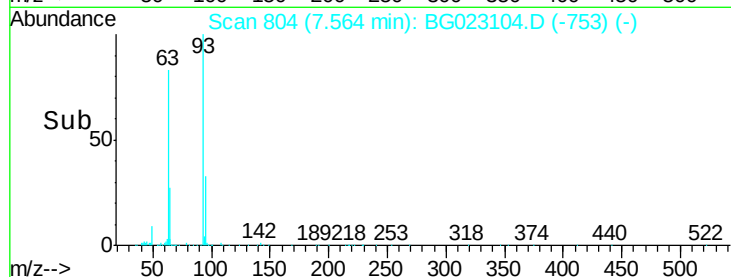
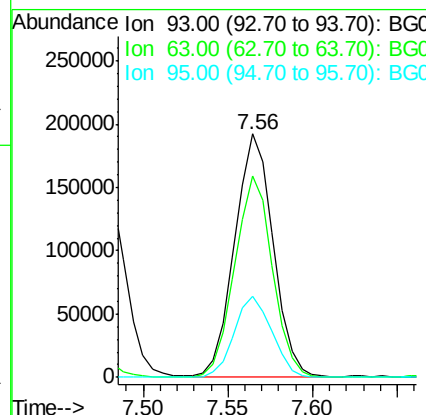
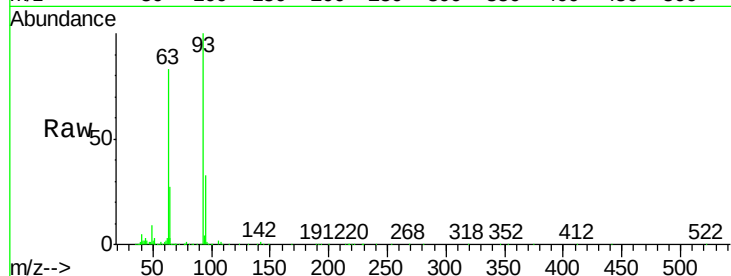
#11
bis(2-Chloroethyl)ether
Concen: 37.13 ng
RT: 7.56 min Scan# 804
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampled :
PB91968BS

Tot Ion:	93	Resp:	302797
Ion	Ratio	Lower	Upper
93	100		
63	82.8	55.0	95.0
95	33.2	11.0	51.0

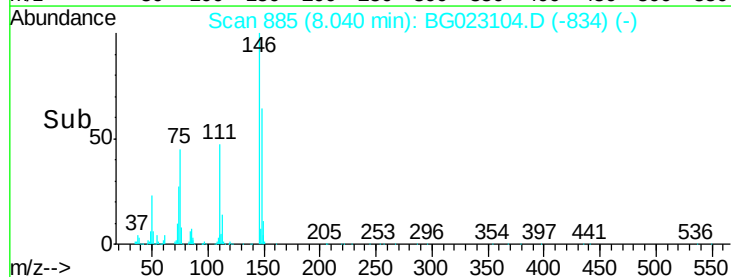
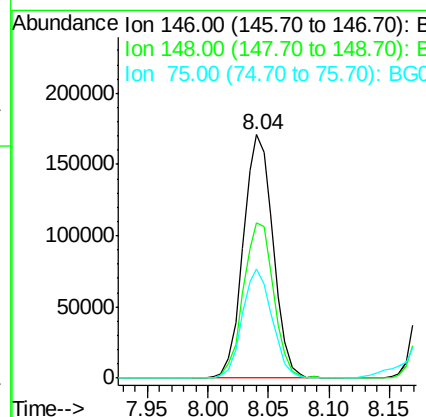
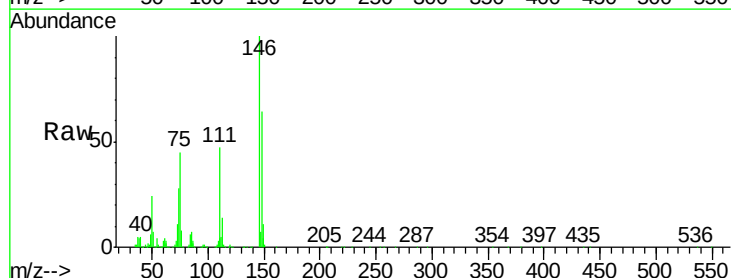
Manual Integrations

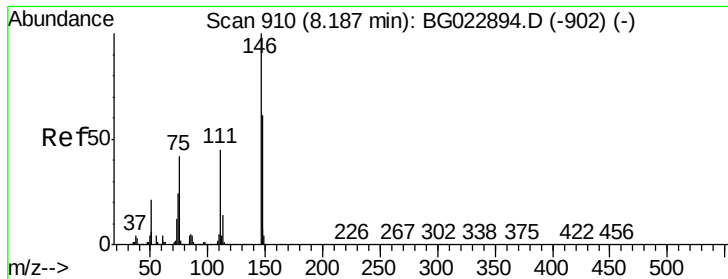
APPROVED
Sohil
7/15/2016 9:14:22 AM



#12
1,3-Dichlorobenzene
Concen: 35.34 ng
RT: 8.04 min Scan# 885
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:	146	Resp:	293877
Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.3	75.5
75	45.1	37.0	55.6





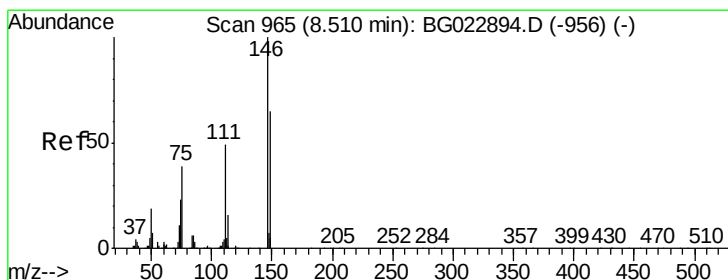
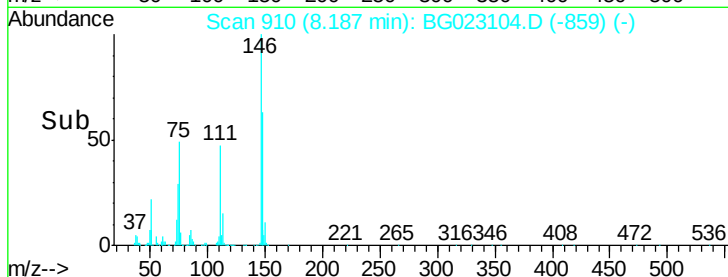
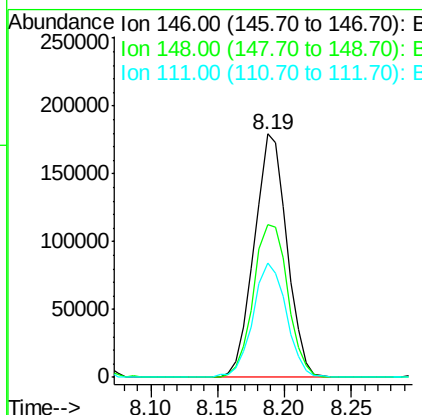
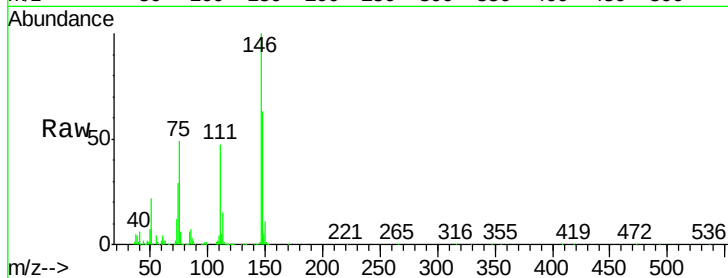
#13
 1,4-Dichlorobenzene
 Concen: 36.47 ng
 RT: 8.19 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	54.5	81.7
111	47.1	37.8	56.8

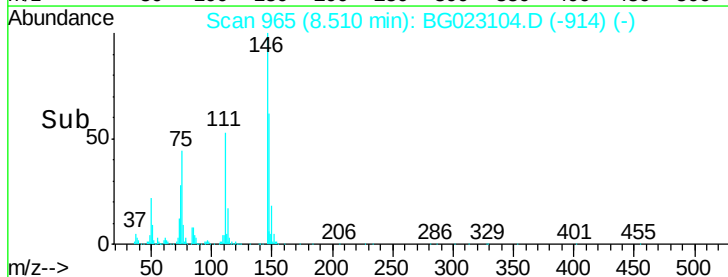
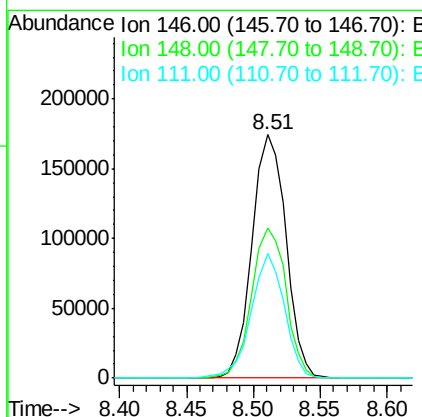
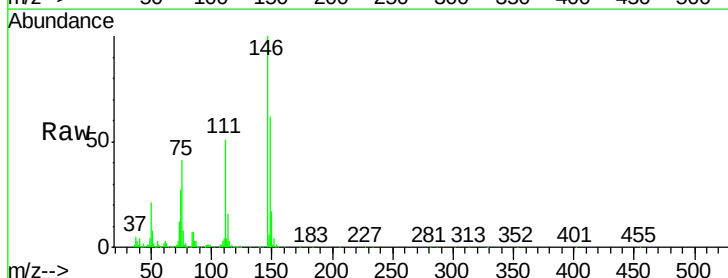
Manual Integrations

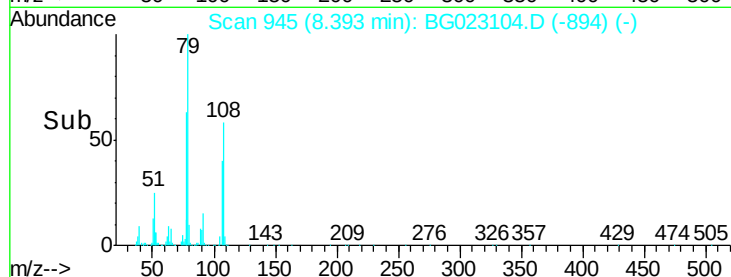
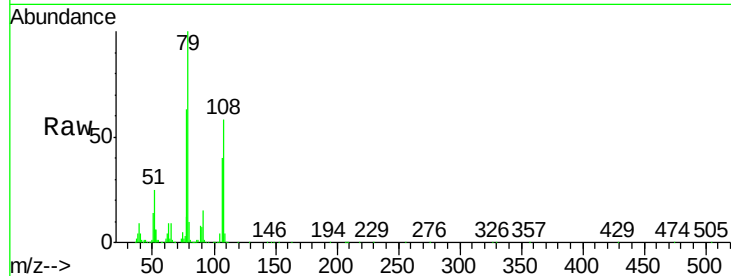
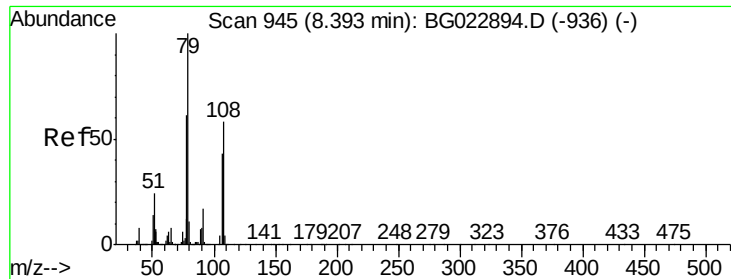
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#14
 1,2-Dichlorobenzene
 Concen: 37.00 ng
 RT: 8.51 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.7	52.9	79.3
111	51.3	43.5	65.3





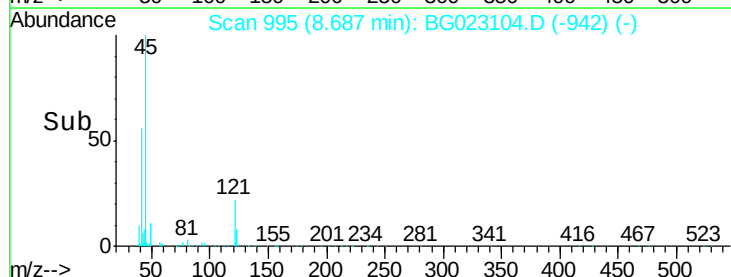
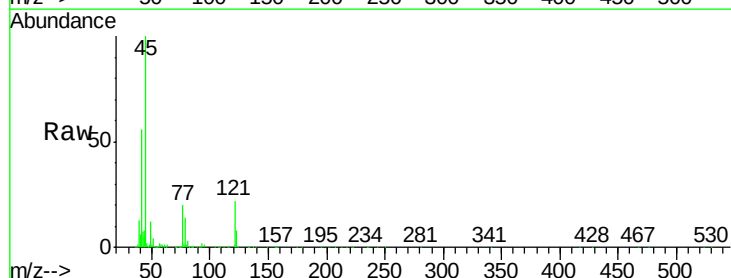
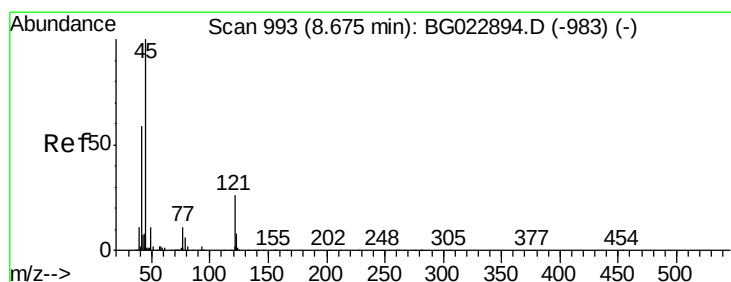
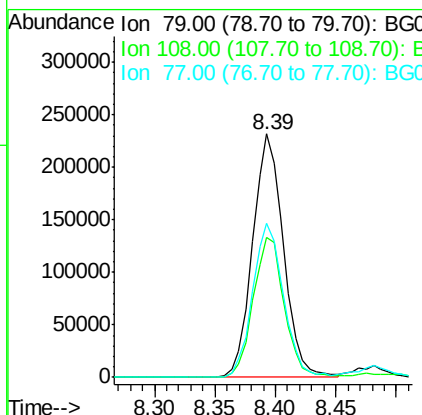
#15
Benzyl Alcohol
Concen: 44.89 ng
RT: 8.39 min Scan# 945
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tot Ion	Ratio	Lower	Upper
79	100		
108	57.6	46.5	69.7
77	63.3	52.3	78.5

Instrument :
BNA_G
ClientSampleId :
PB91968BS

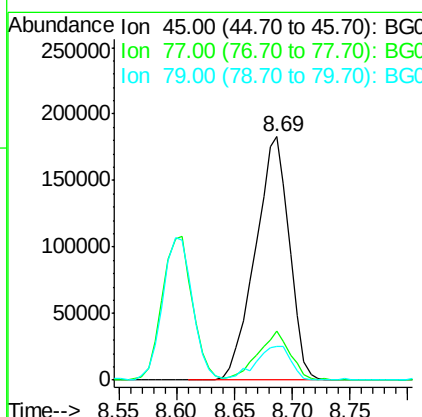
Manual Integrations

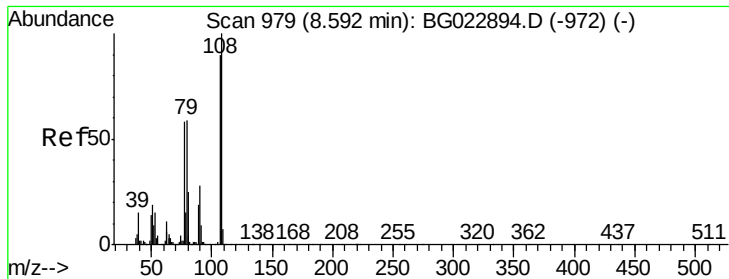
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.63 ng
RT: 8.69 min Scan# 995
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
45	100		
77	20.1	0.6	40.6
79	13.8	0.0	36.2





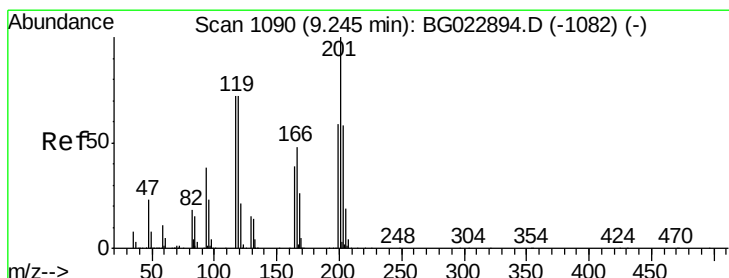
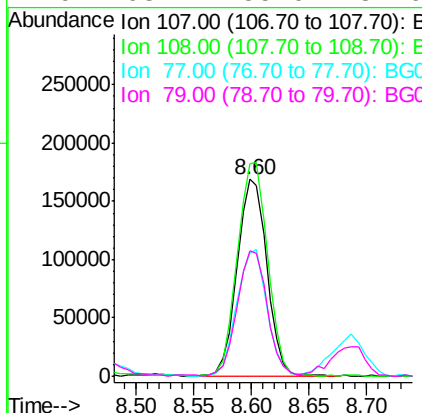
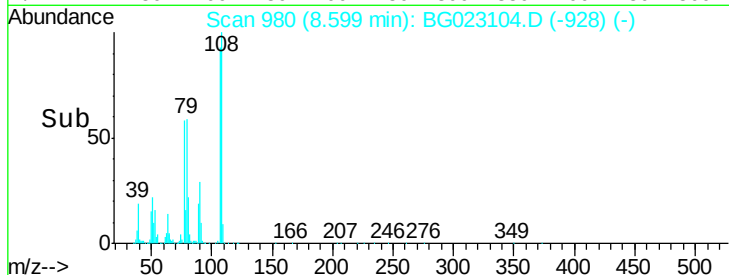
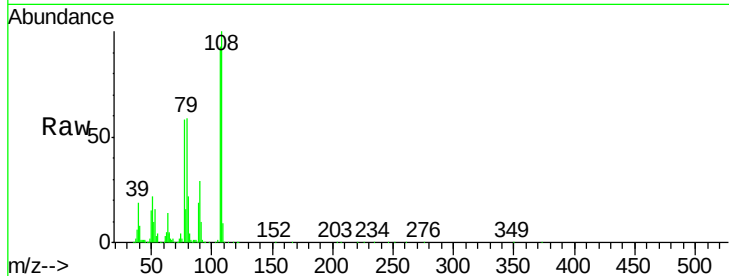
#17
2-Methylphenol
Concen: 44.79 ng
RT: 8.60 min Scan# 980
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	107	Resp	299976
Ion Ratio	Lower	Upper	
107	100		
108	107.9	92.0	138.0
77	62.6	55.8	83.6
79	63.7	55.0	82.6

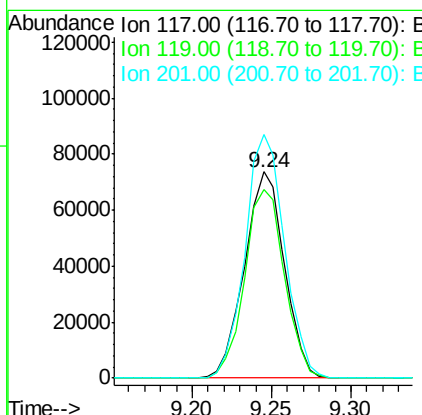
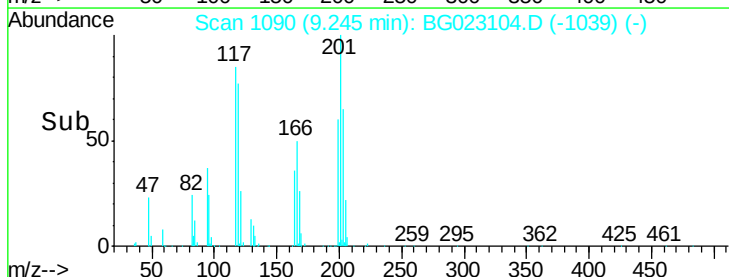
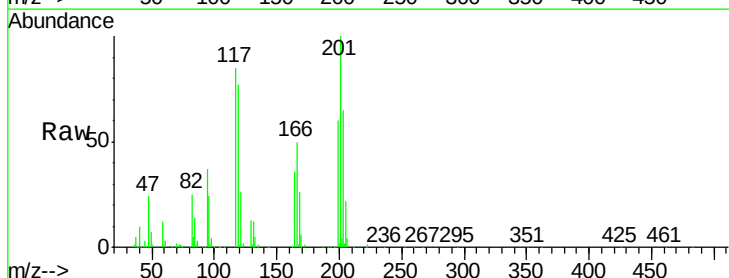
Manual Integrations

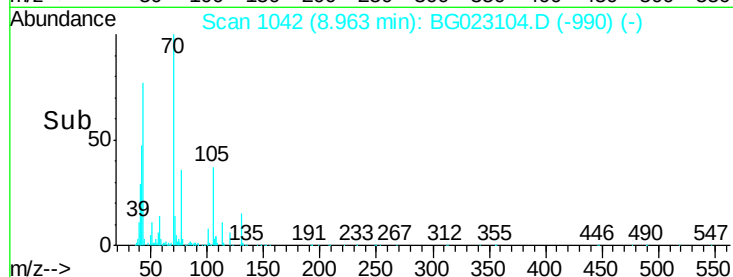
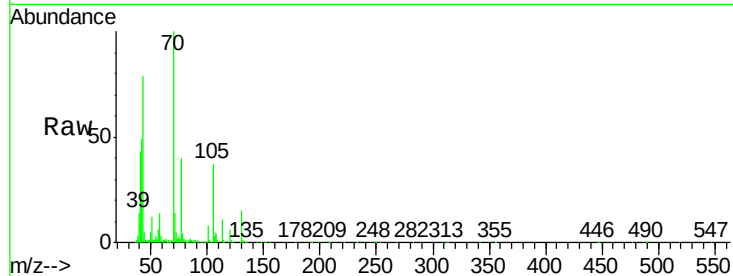
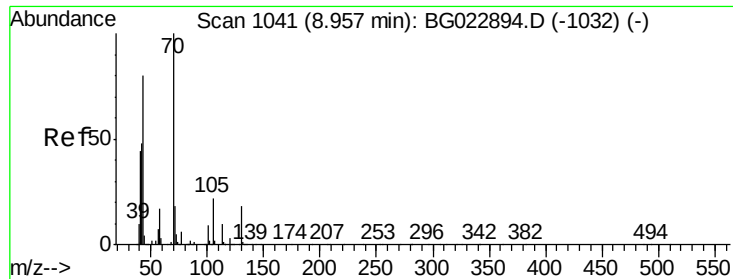
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#18
Hexachloroethane
Concen: 36.66 ng
RT: 9.24 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

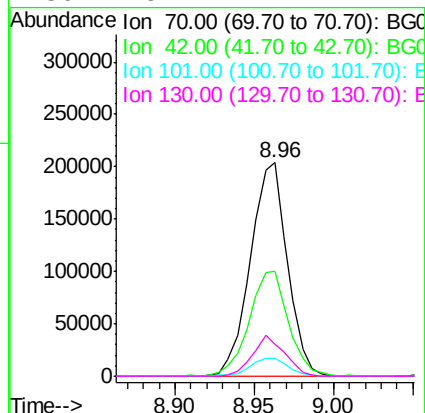
Tgt Ion	117	Resp	128843
Ion Ratio	Lower	Upper	
117	100		
119	91.3	73.7	110.5
201	118.1	88.7	133.1





#19
n-Nitroso-di-n-propylamine
Concen: 36.66 ng
RT: 8.96 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

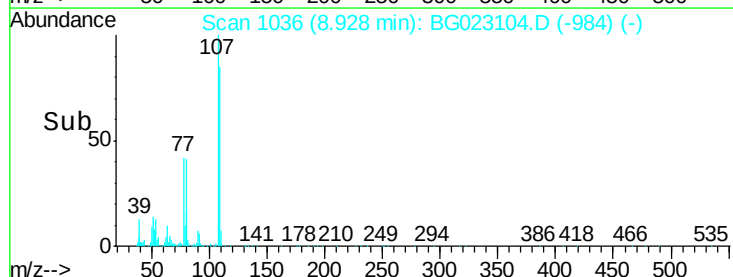
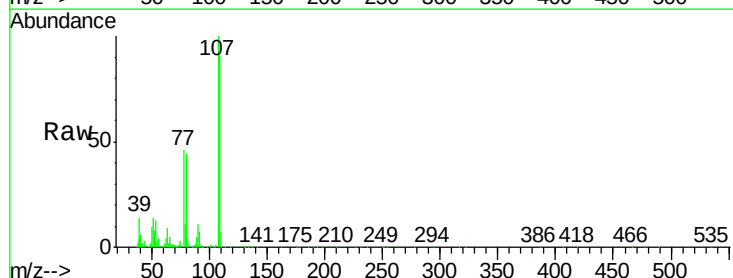
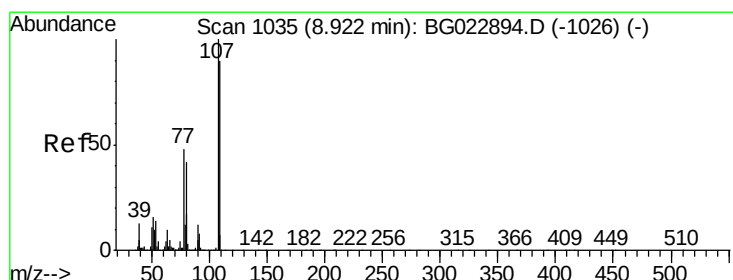
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	49.0	42.1	63.1	
101	8.3	7.2	10.8	
130	15.2	14.2	21.2	



Instrument :
BNA_G
ClientSampleId :
PB91968BS

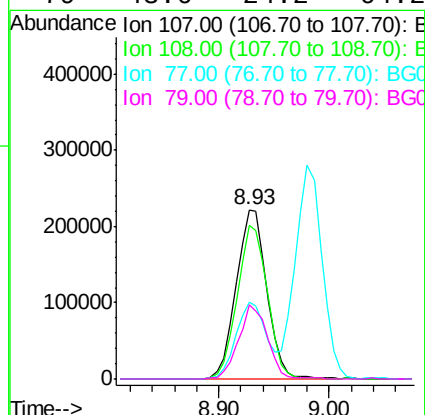
Manual Integrations

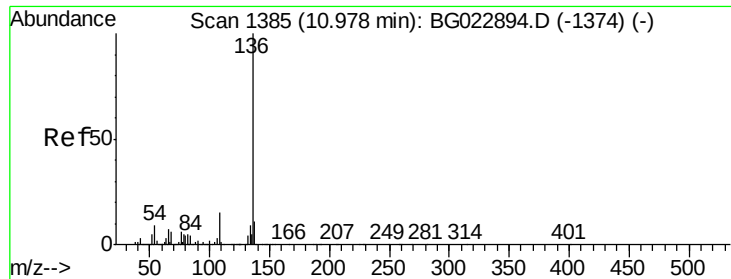
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#20
3+4-Methylphenols
Concen: 46.32 ng
RT: 8.93 min Scan# 1036
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.6	72.5	112.5	
77	45.6	30.1	70.1	
79	43.6	24.2	64.2	





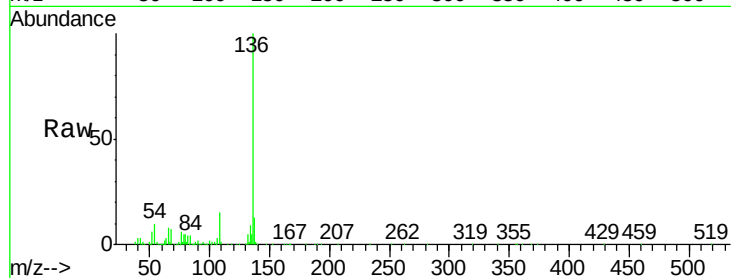
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		489462		
137	13.1		9.6	14.4	
54	10.0		7.3	10.9	
68	6.8		5.3	7.9	

Manual Integrations

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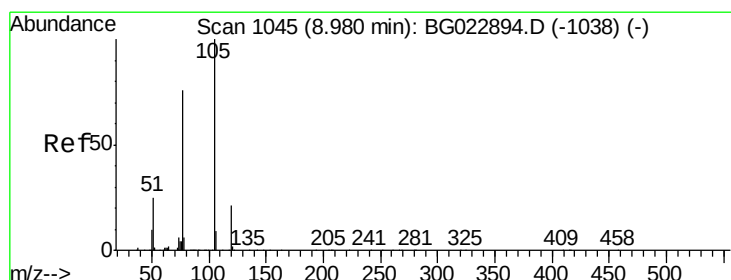
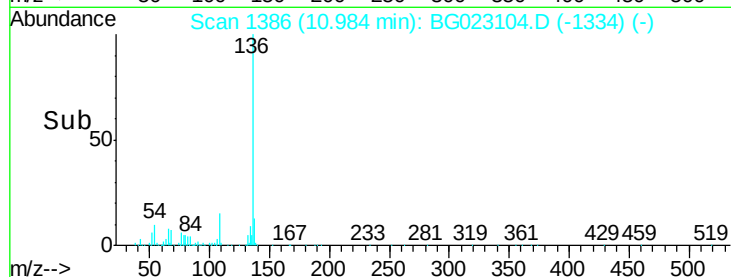
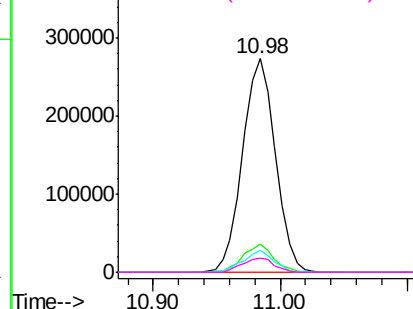
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 35.48 ng
RT: 8.98 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		521199		
71	1.5		2.6	3.8#	
51	30.2		27.1	40.7	
120	19.6		15.1	22.7	

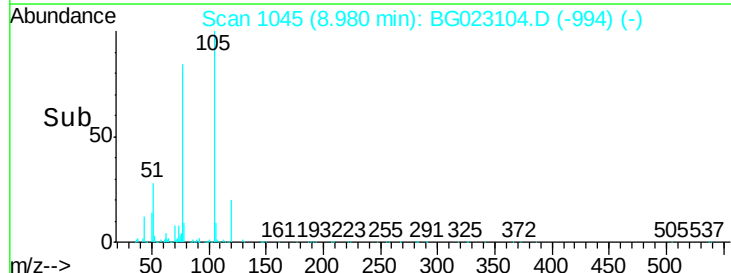
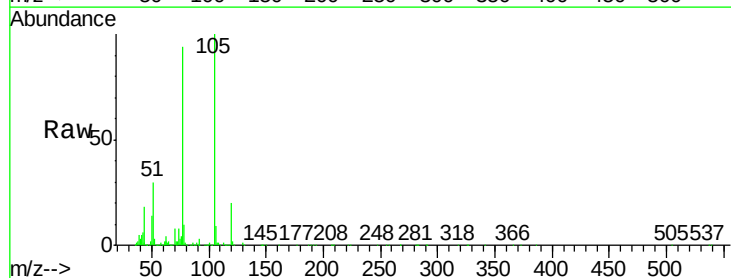
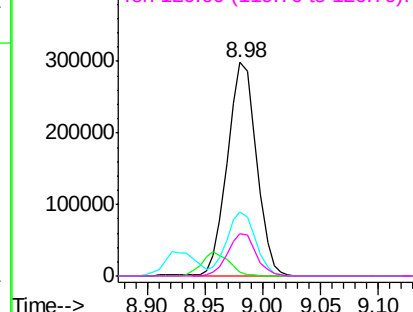
Abundance

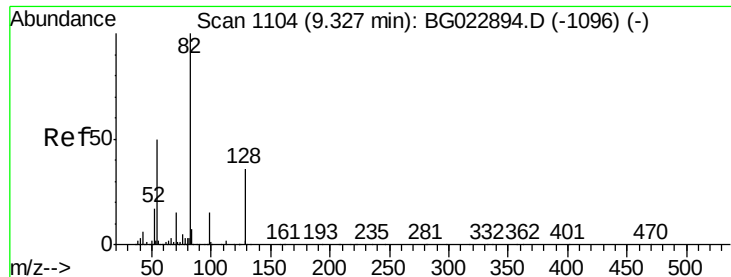
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





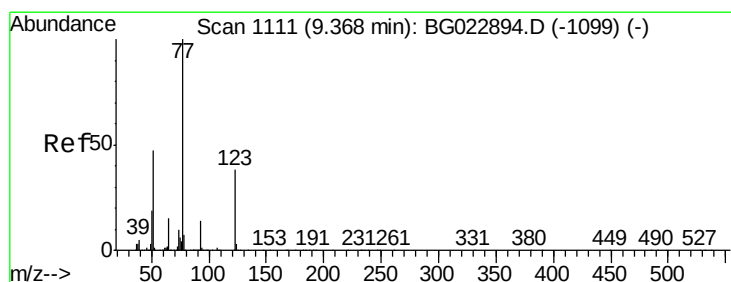
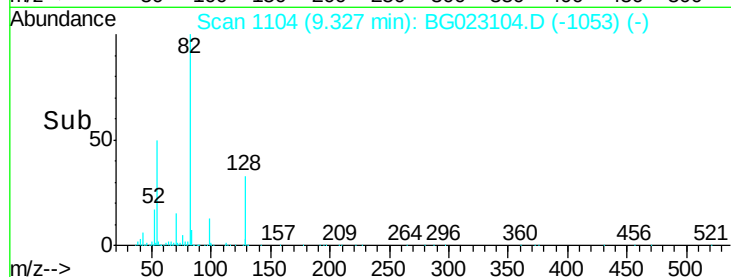
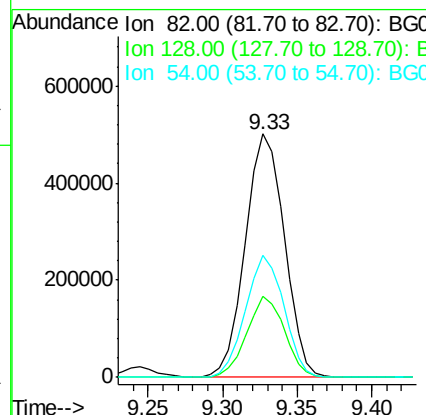
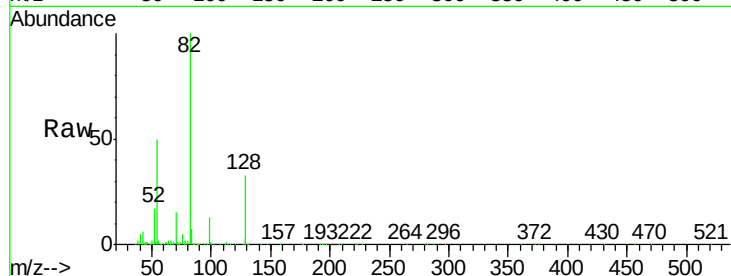
#23
Nitrobenzene-d5
Concen: 79.47 ng
RT: 9.33 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	82	Resp	908406
Ion	Ratio	Lower	Upper
82	100		
128	33.5	24.4	36.6
54	50.2	41.4	62.0

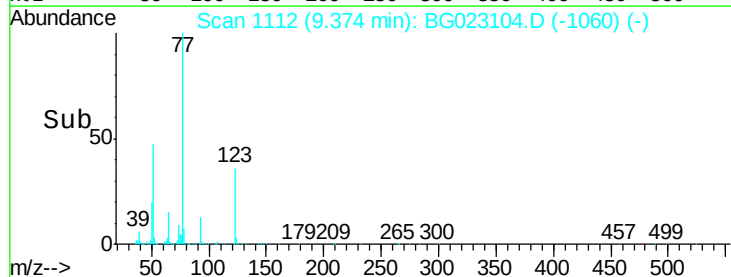
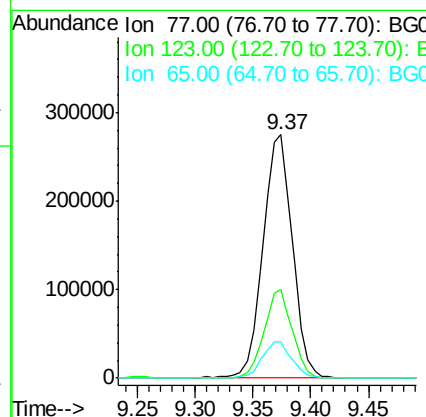
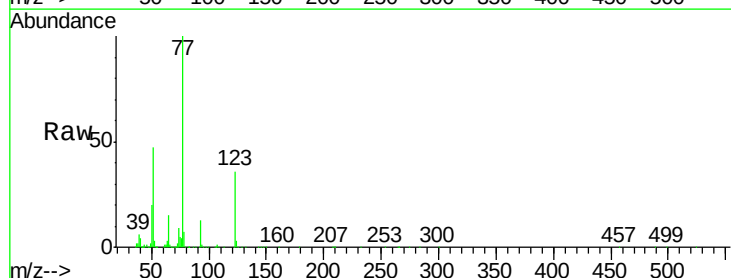
Manual Integrations

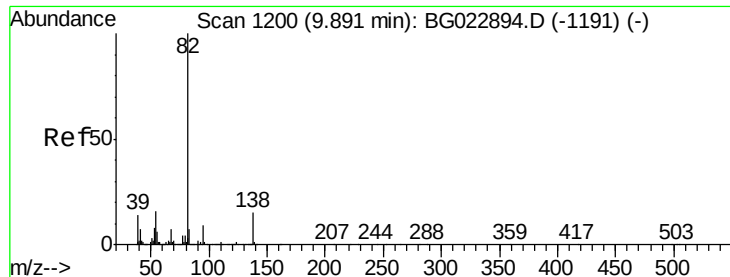
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#24
Nitrobenzene
Concen: 40.34 ng
RT: 9.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	77	Resp	489992
Ion	Ratio	Lower	Upper
77	100		
123	36.3	25.0	37.6
65	14.9	13.4	20.0





#25

Isophorone

Concen: 37.99 ng

RT: 9.89 min Scan# 1200

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

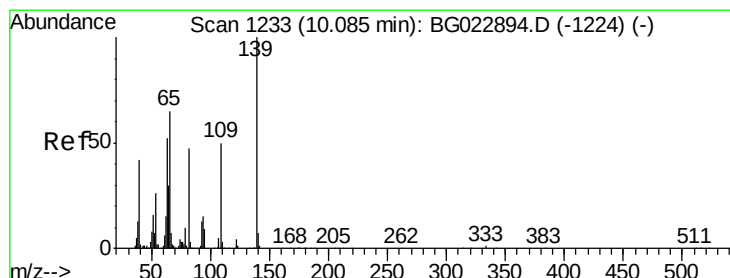
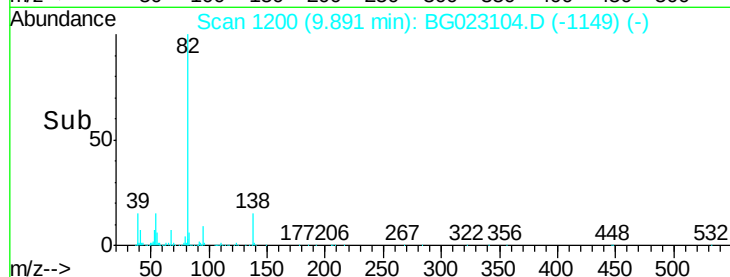
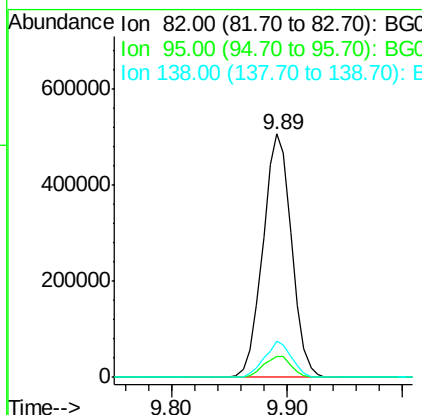
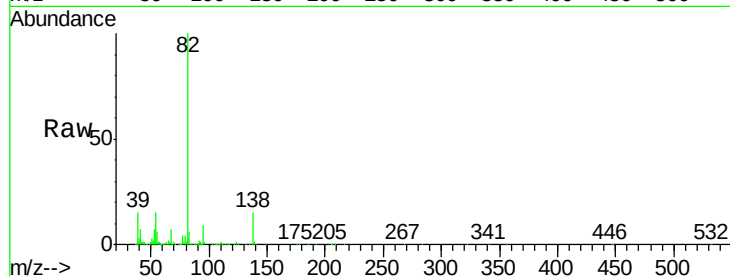
PB91968BS

Tot Ion:	82	Resp:	873497
Ion Ratio	Lower	Upper	
82	100		
95	8.6	8.2	12.2
138	15.1	10.7	16.1

Manual Integrations

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#26

2-Nitrophenol

Concen: 39.77 ng

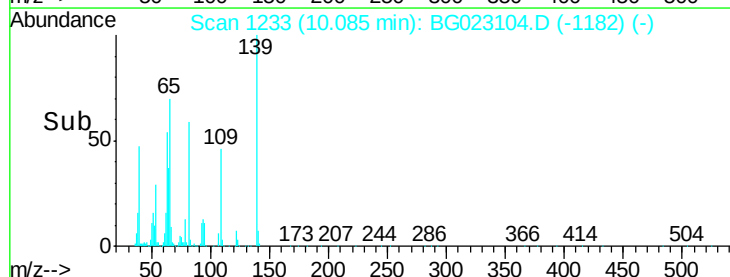
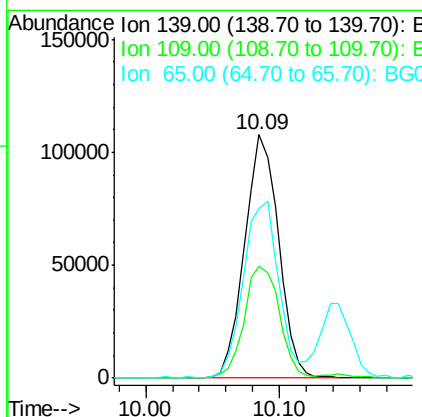
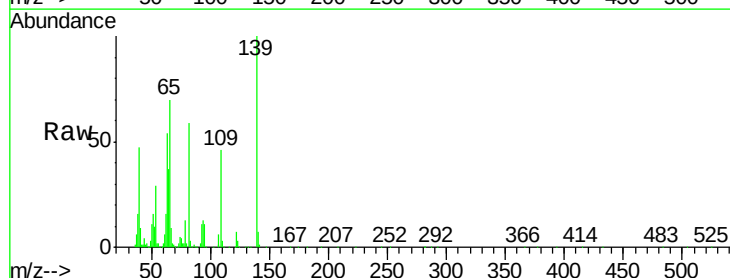
RT: 10.09 min Scan# 1233

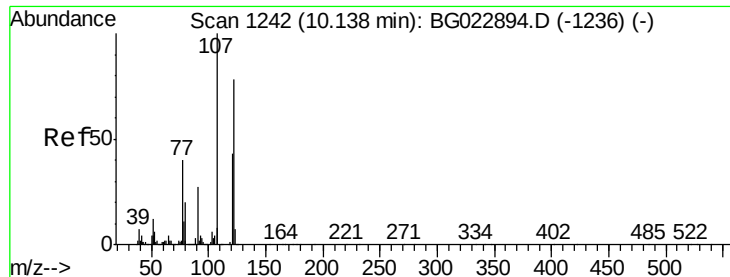
Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tgt Ion:	139	Resp:	189567
Ion Ratio	Lower	Upper	
139	100		
109	45.9	43.5	65.3
65	69.6	64.3	96.5





#27

2,4-Dimethylphenol

Concen: 40.99 ng

RT: 10.14 min Scan# 1243

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:122 Resp: 337728

Ion Ratio Lower Upper

122 100

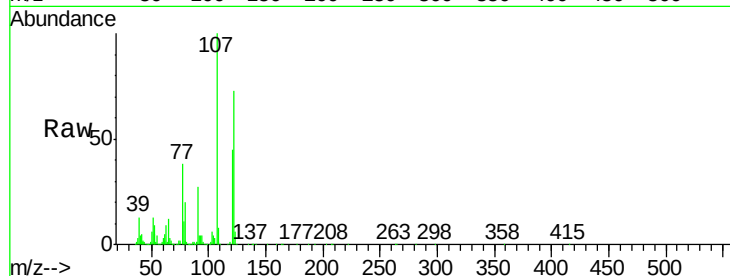
107 136.9 117.0 175.4

121 61.7 50.1 75.1

Manual Integrations

Sohil

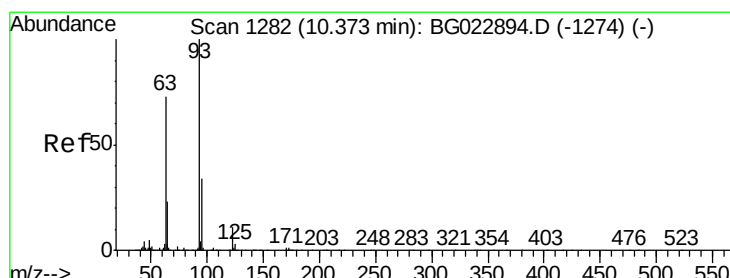
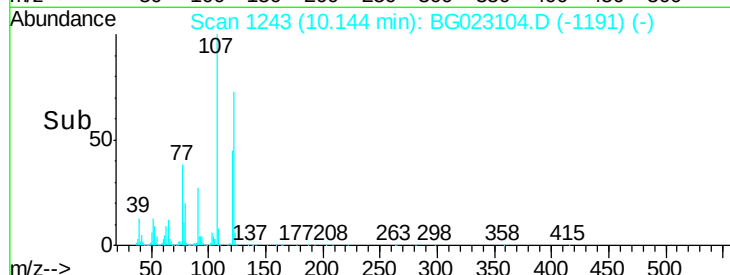
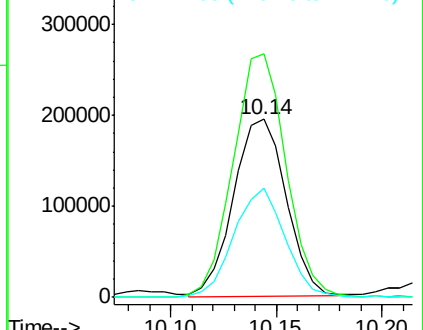
7/15/2016 9:14:22 AM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.02 ng

RT: 10.37 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

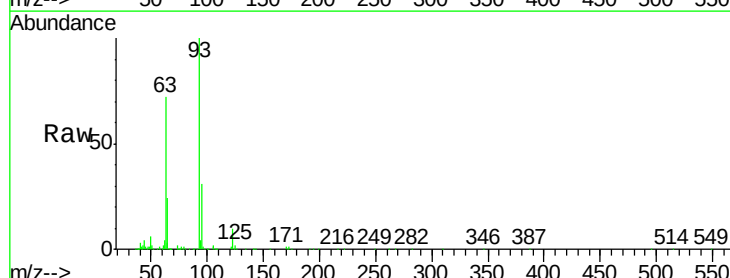
Tgt Ion: 93 Resp: 487503

Ion Ratio Lower Upper

93 100

95 31.1 25.4 38.2

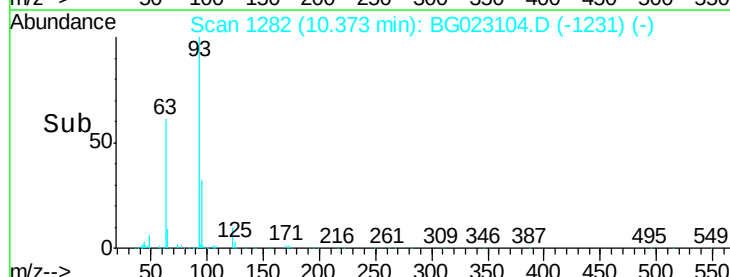
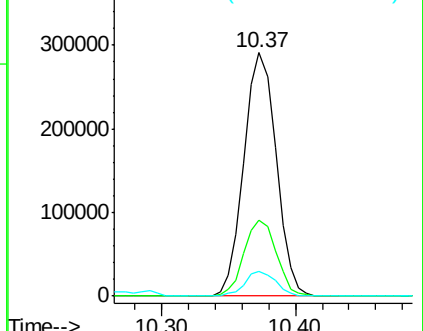
123 10.0 8.2 12.2

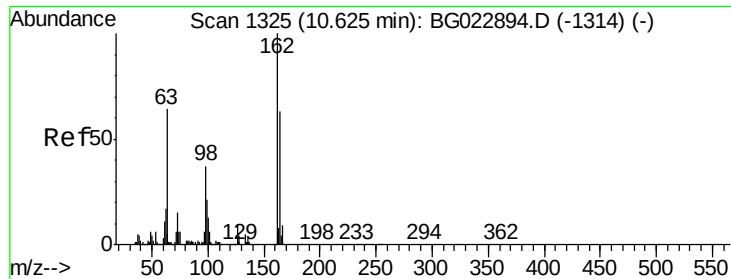


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





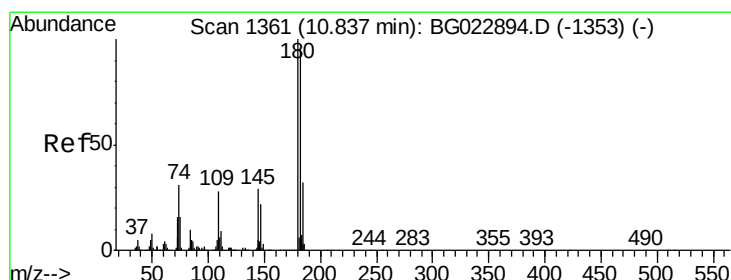
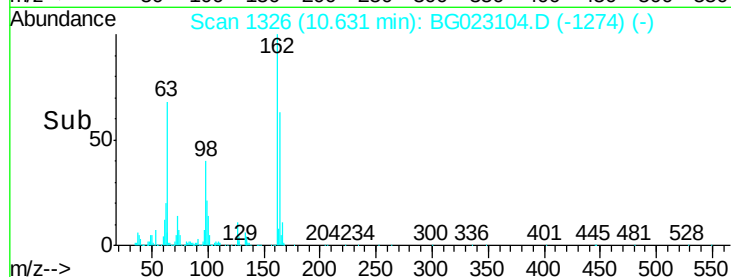
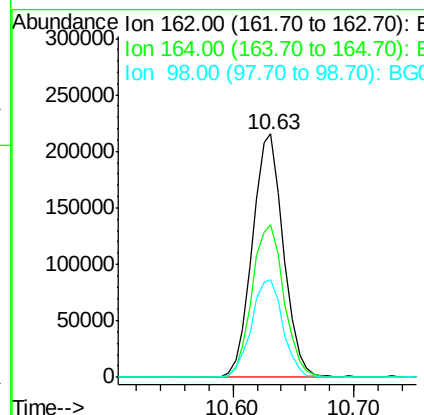
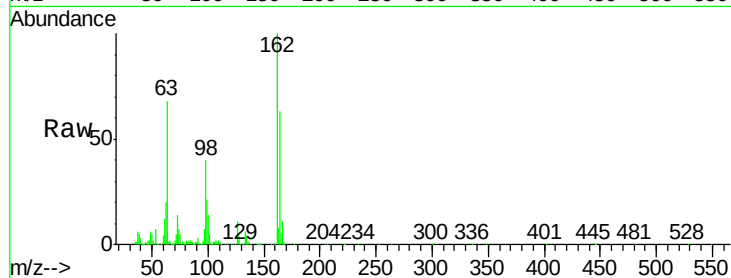
#29
 2,4-Dichlorophenol
 Concen: 43.80 ng
 RT: 10.63 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Tot Ion:	162	Resp:	384861
Ion Ratio	Lower	Upper	
162	100		
164	62.5	44.3	84.3
98	39.9	19.5	59.5

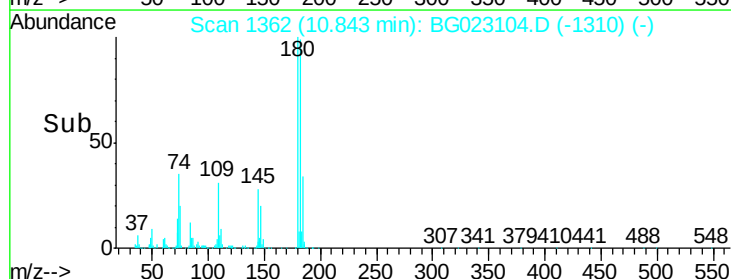
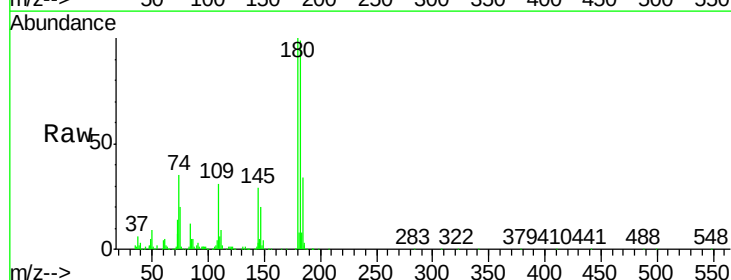
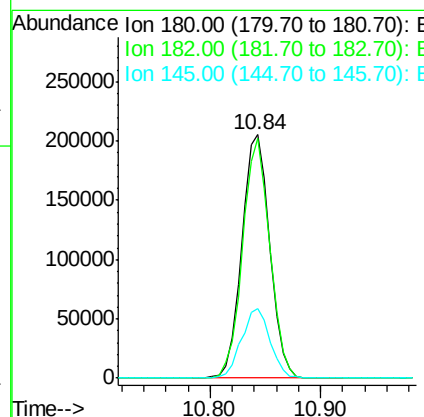
Manual Integrations

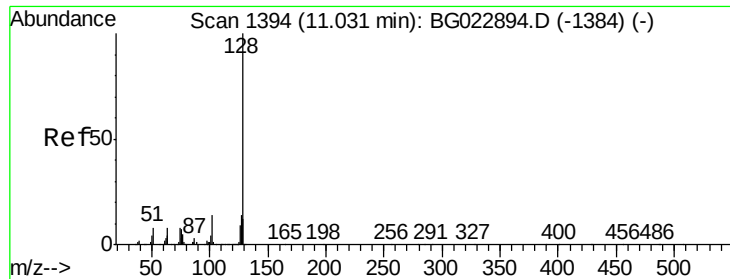
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#30
 1,2,4-Trichlorobenzene
 Concen: 36.19 ng
 RT: 10.84 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Tgt Ion:	180	Resp:	364449
Ion Ratio	Lower	Upper	
180	100		
182	98.6	73.8	110.8
145	28.6	24.4	36.6





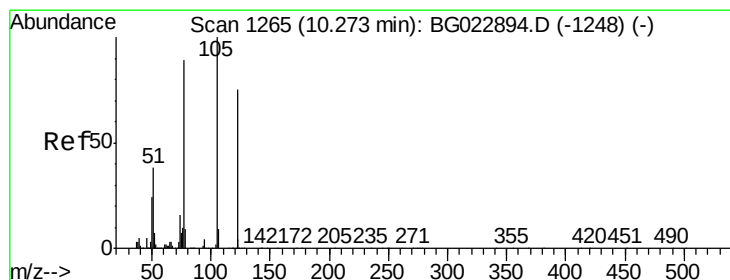
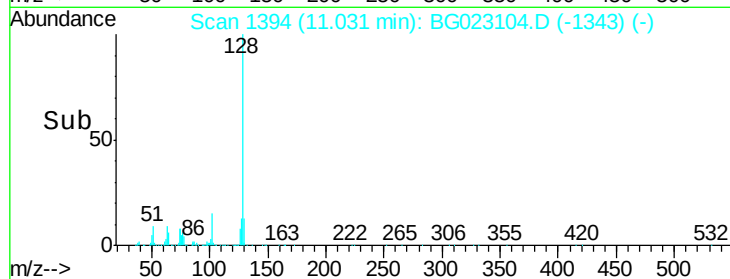
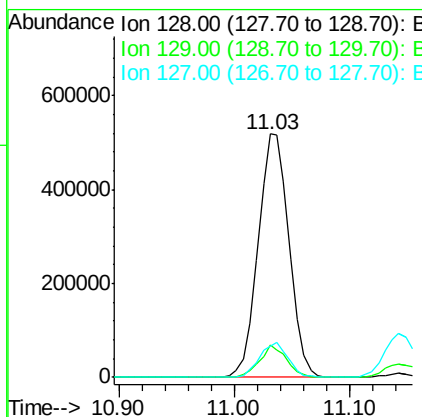
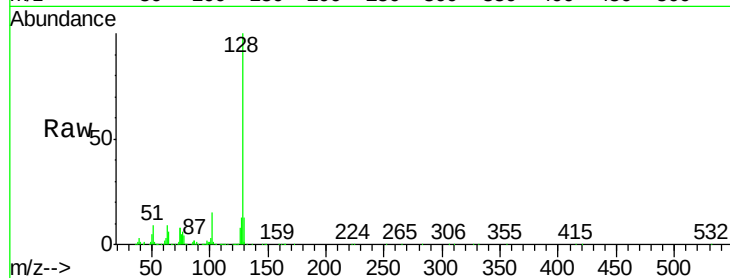
#31
Naphthalene
Concen: 38.73 ng
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.1	9.4	14.0
127	13.0	11.3	16.9

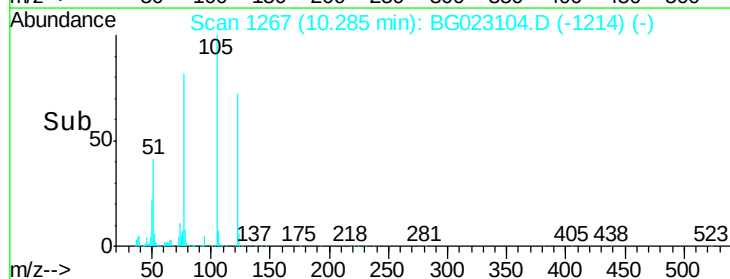
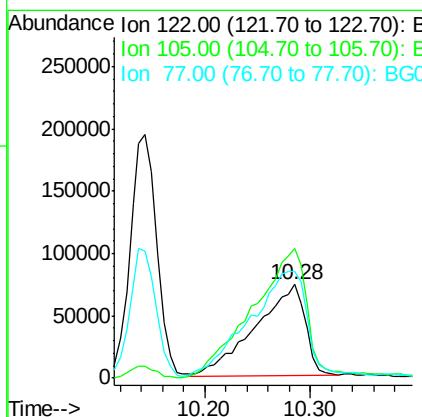
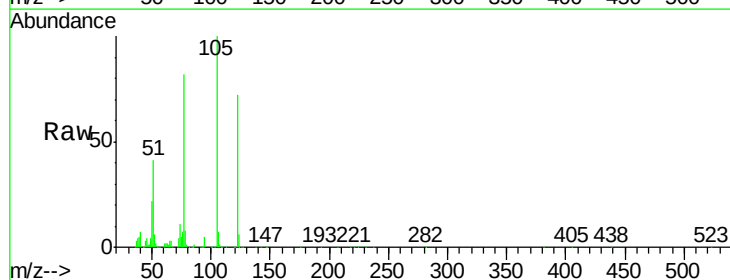
Manual Integrations

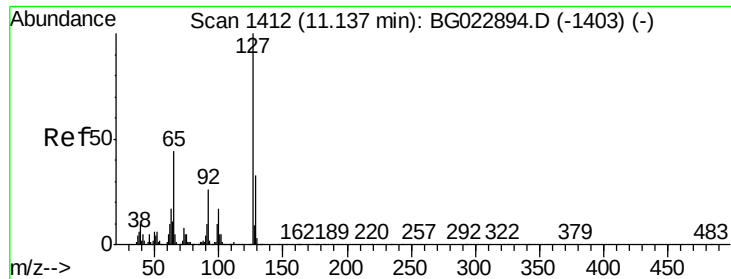
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#32
Benzoic acid
Concen: 31.76 ng
RT: 10.28 min Scan# 1267
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	139.2	117.2	157.2
77	114.8	109.2	149.2





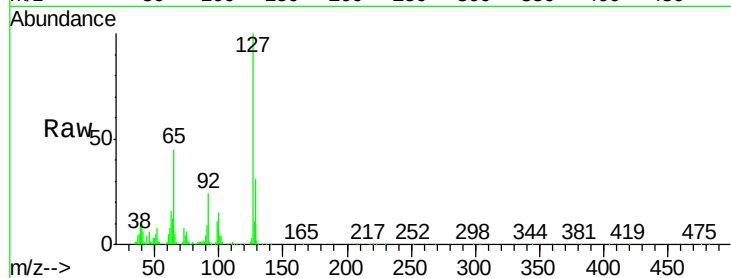
#33
4-Chloroaniline
Concen: 14.58 ng
RT: 11.14 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.2	27.9	41.9
65	44.8	36.8	55.2
92	24.1	21.0	31.6

Manual Integrations

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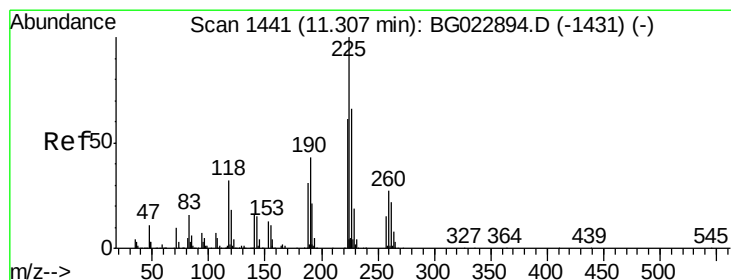
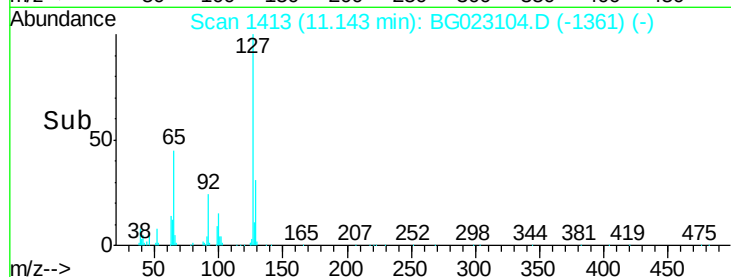
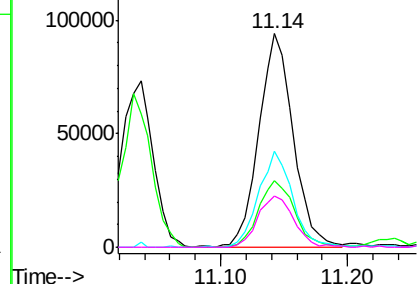
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34
Hexachlorobutadiene
Concen: 34.10 ng
RT: 11.31 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

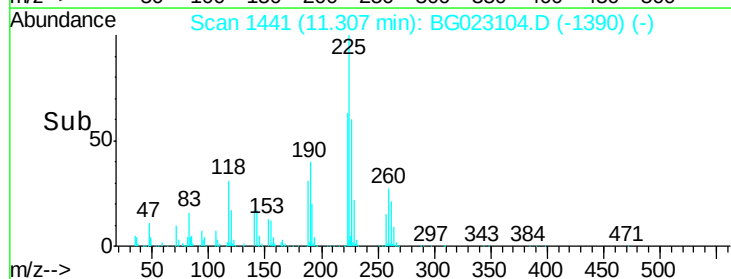
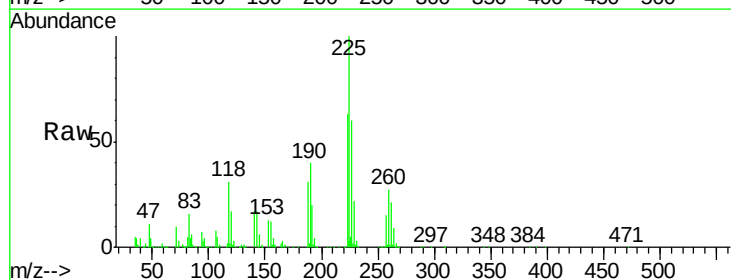
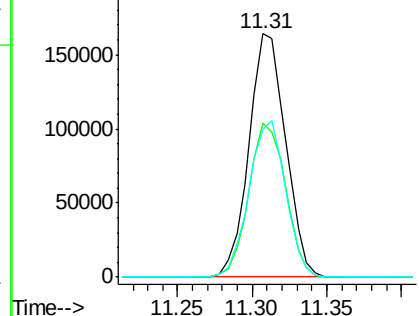
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.6	74.4
227	60.5	54.5	81.7

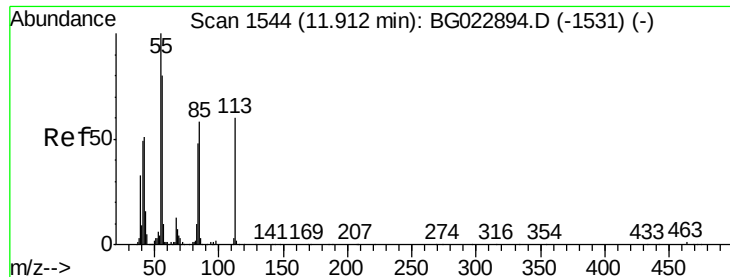
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





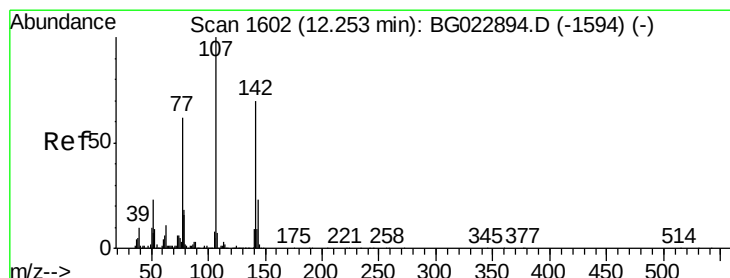
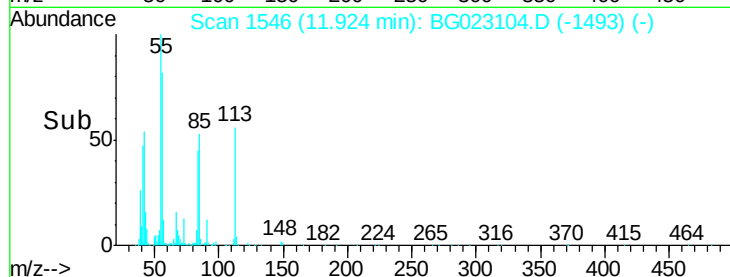
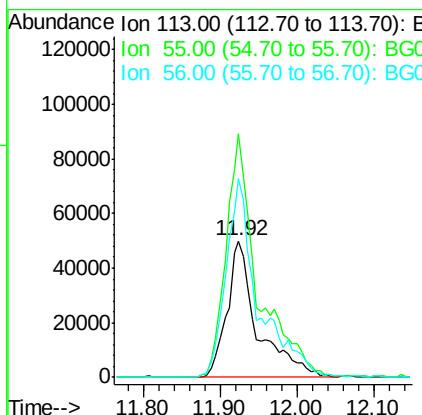
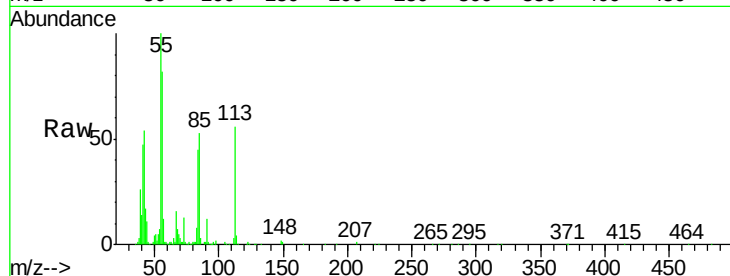
#35
 Caprolactam
 Concen: 38.16 ng
 RT: 11.92 min Scan# 1546
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	178.5		154.5	194.5	
56	145.6		125.1	165.1	

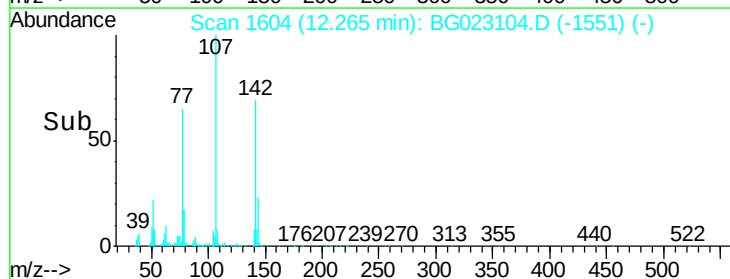
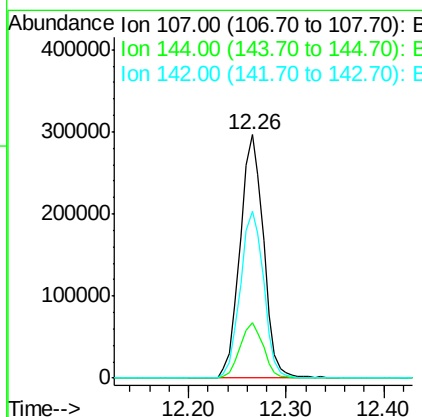
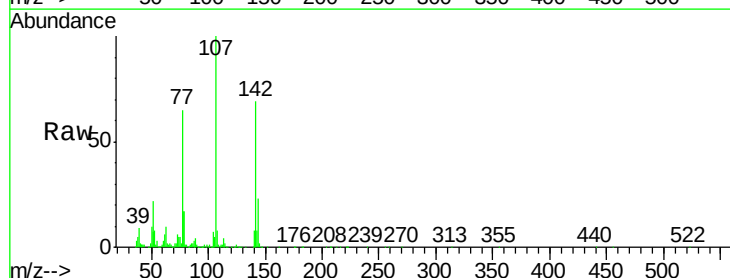
Manual Integrations

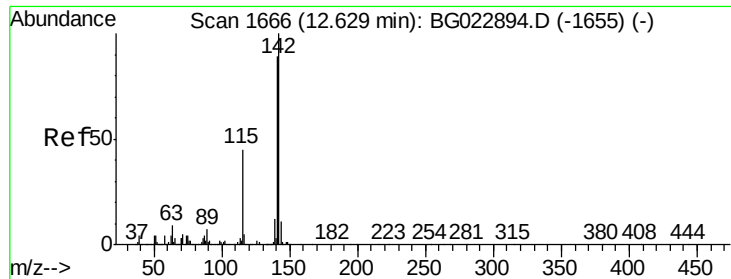
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#36
 4-Chloro-3-methylphenol
 Concen: 41.41 ng
 RT: 12.26 min Scan# 1604
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	22.7		17.0	25.6	
142	68.6		53.0	79.6	





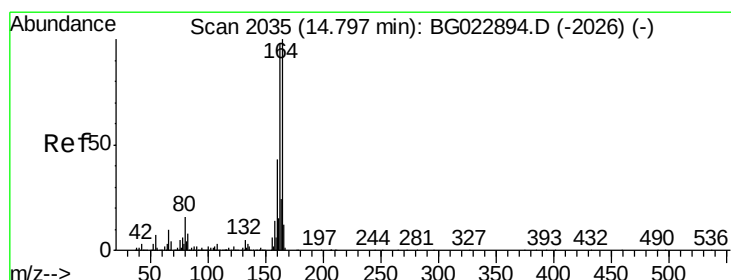
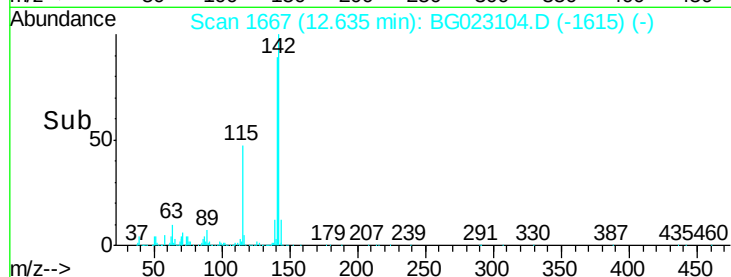
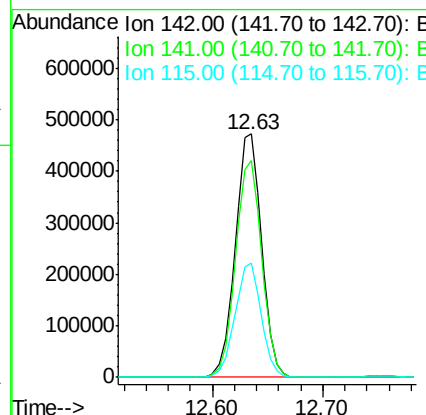
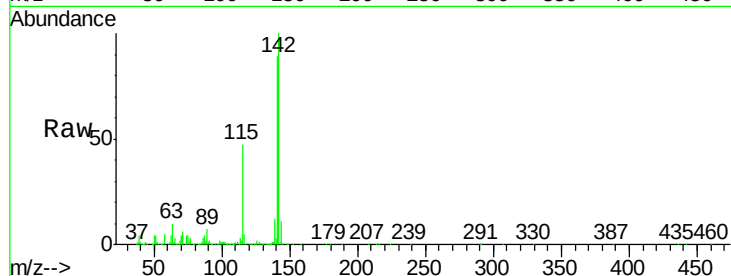
#37
2-Methylnaphthalene
Concen: 40.15 ng
RT: 12.63 min Scan# 1667
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	Ion	Ratio	Lower	Upper
142	100			
141	89.2	70.2	105.2	
115	47.1	41.7	62.5	

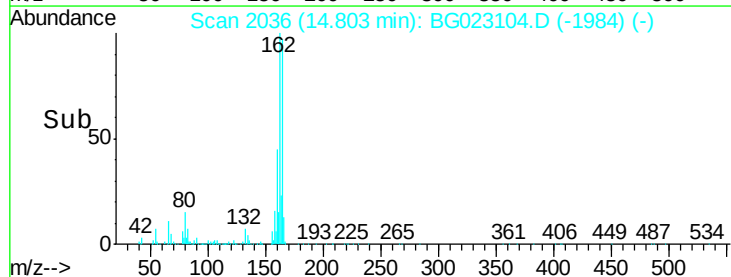
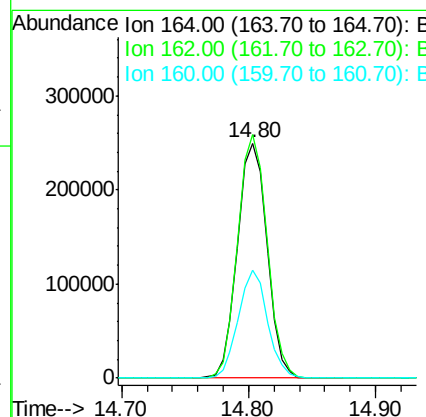
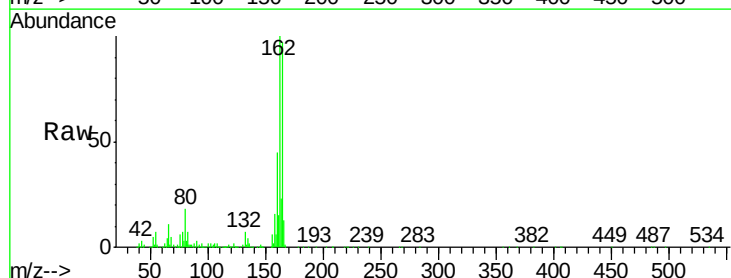
Manual Integrations

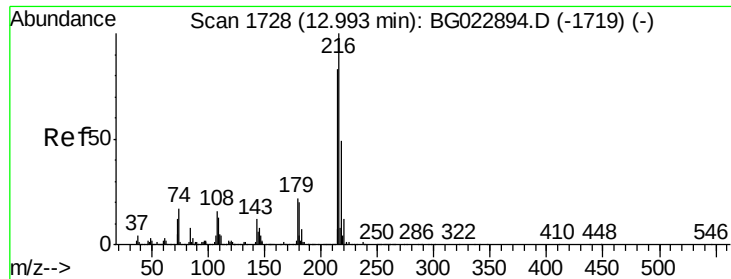
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
162	103.6	87.7	131.5	
160	46.1	37.2	55.8	





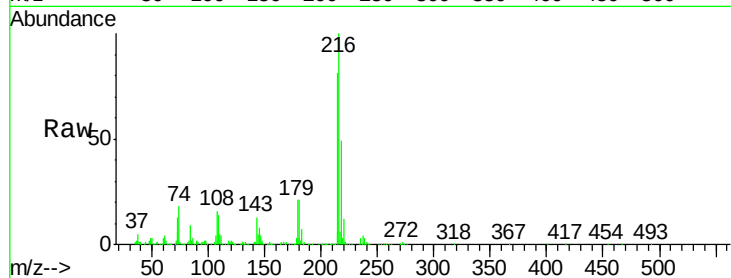
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 29.67 ng
 RT: 13.00 min Scan# 1729
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampled :
 PB91968BS

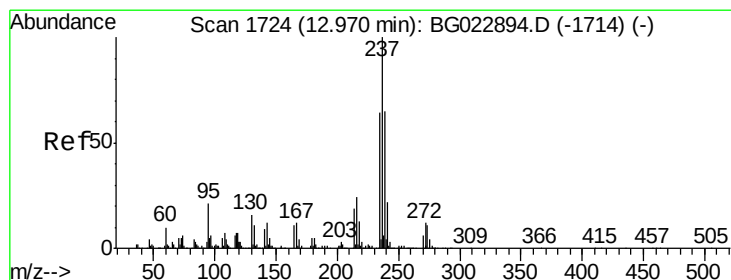
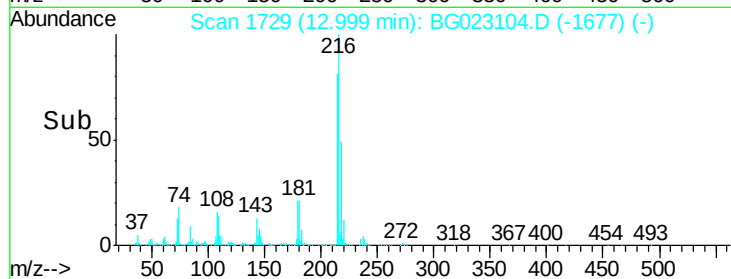
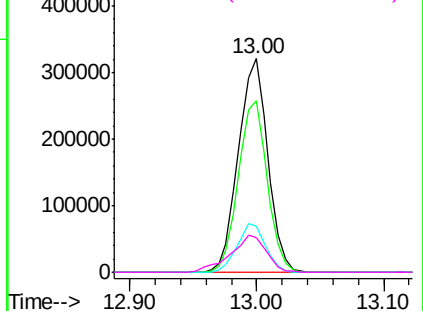
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		514422		
214	79.1	62.9	94.3		
179	22.1	17.2	25.8		
108	20.9	16.3	24.5		

Manual Integrations

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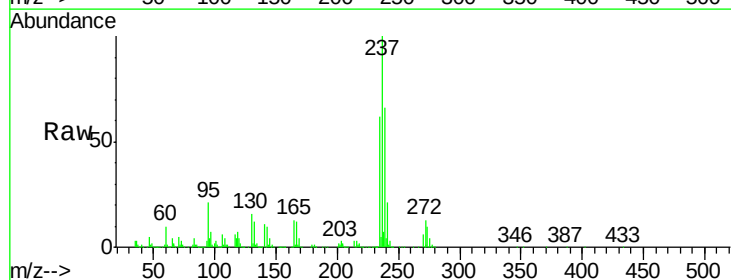


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

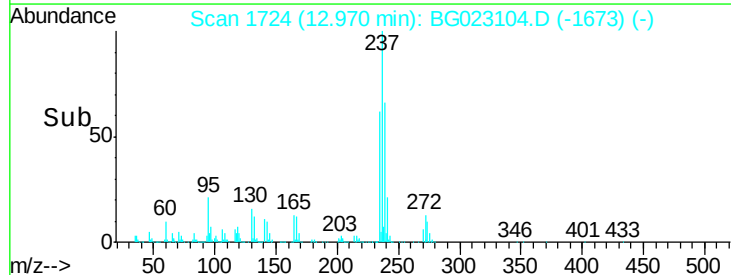
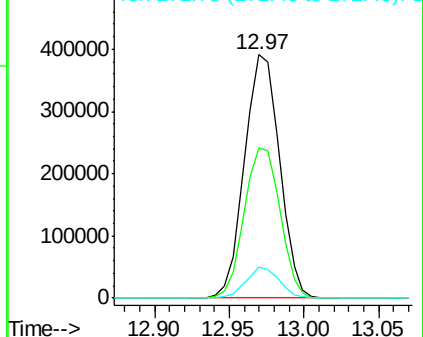


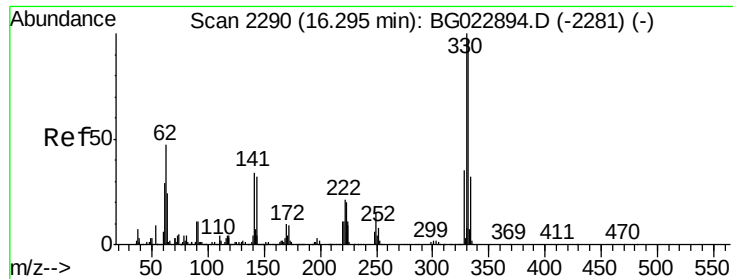
#40
 Hexachlorocyclopentadiene
 Concen: 63.70 ng
 RT: 12.97 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		635836		
235	61.8	43.1	83.1		
272	12.7	0.0	30.9		



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: 100.74 ng

RT: 16.30 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:330 Resp: 728505

Ion Ratio Lower Upper

330 100

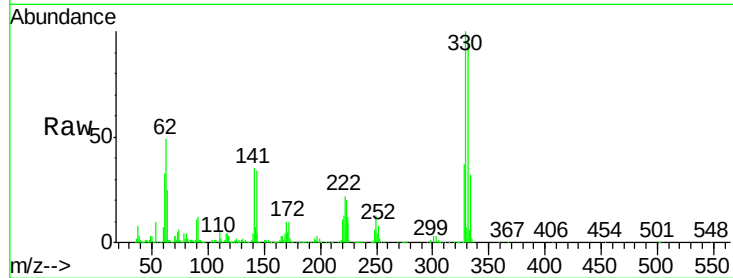
332 96.5 77.4 116.2

141 39.2 31.7 47.5

Manual Integrations

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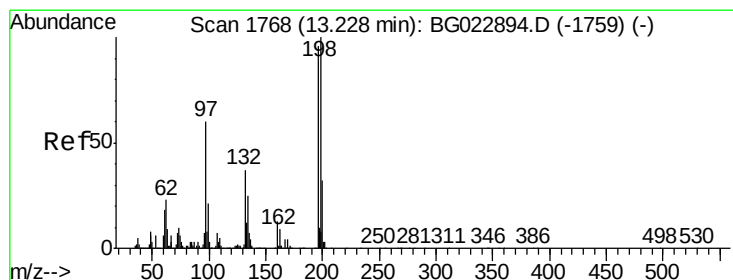
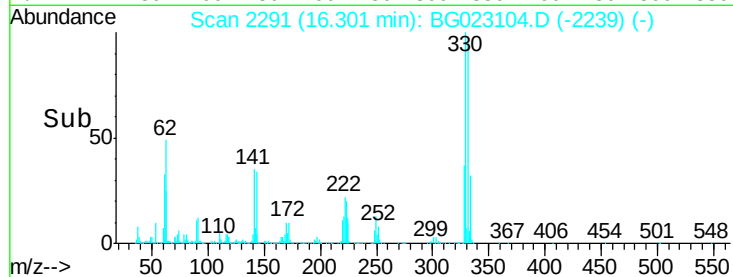
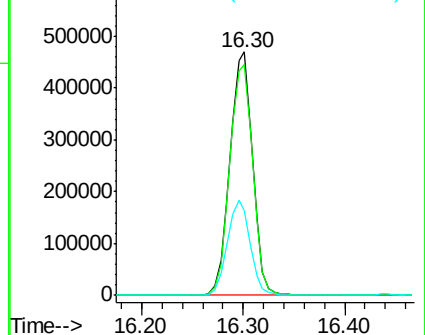
7/15/2016 9:14:22 AM



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 38.21 ng

RT: 13.24 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

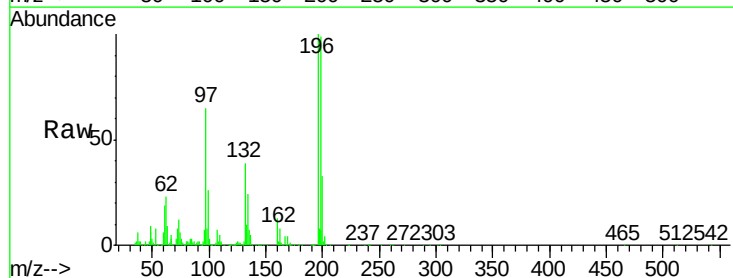
Tgt Ion:196 Resp: 380868

Ion Ratio Lower Upper

196 100

198 99.4 78.2 117.2

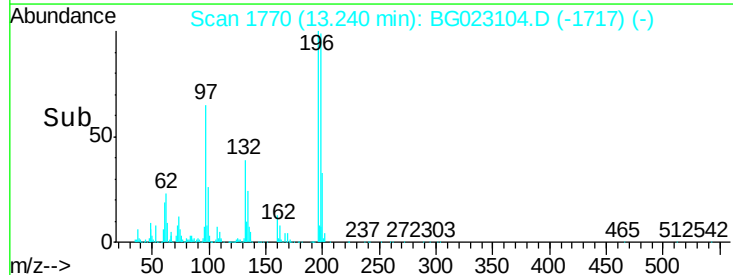
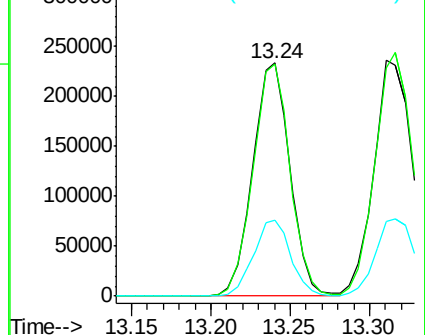
200 32.5 27.0 40.4

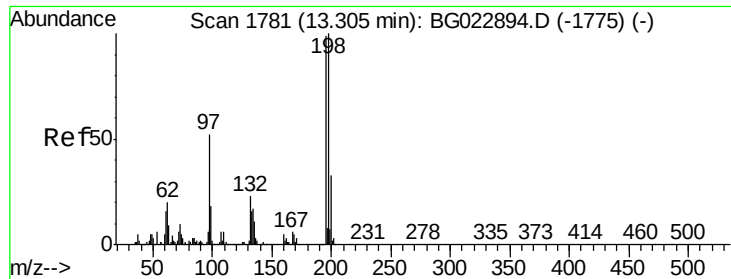


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





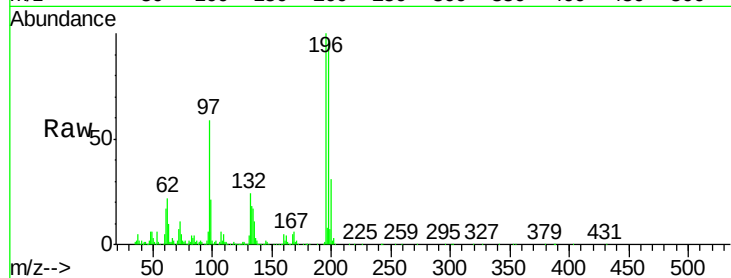
#43
2,4,5-Trichlorophenol
Concen: 40.07 ng
RT: 13.31 min Scan# 1782
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

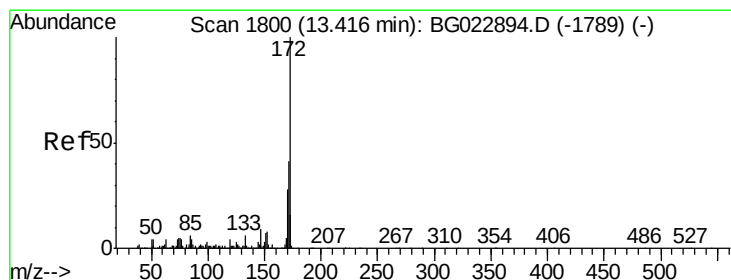
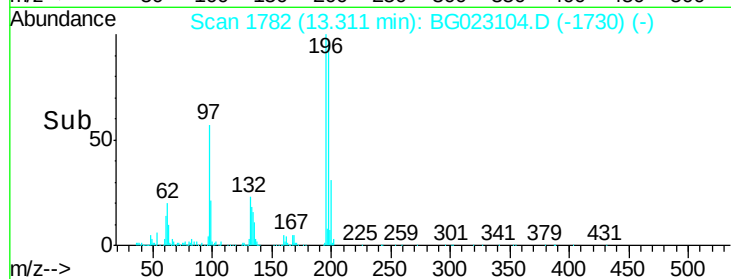
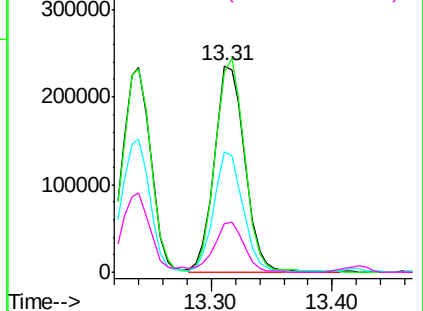
Tot Ion:	196	Resp:	410062
Ion Ratio	Lower	Upper	
196	100		
198	96.9	85.7	128.5
97	58.5	45.5	68.3
132	23.8	18.9	28.3

Manual Integrations

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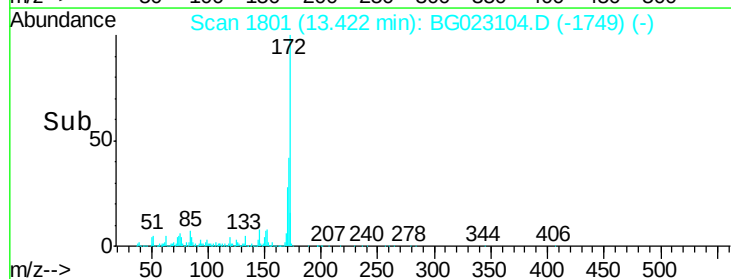
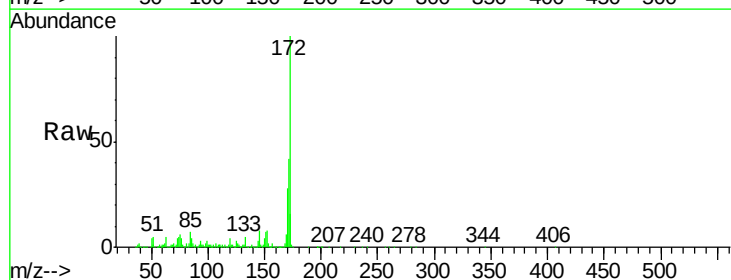
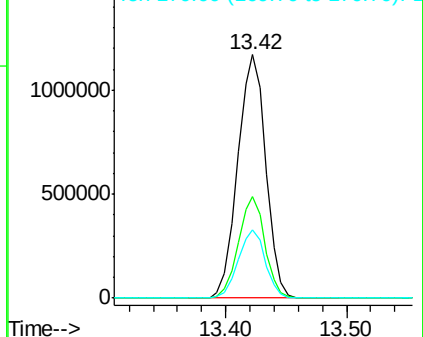
Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BG
Ion 132.00 (131.70 to 132.70): E

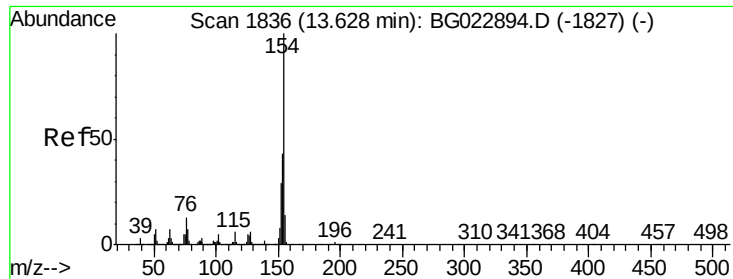


#44
2-Fluorobiphenyl
Concen: 74.11 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:	172	Resp:	1893057
Ion Ratio	Lower	Upper	
172	100		
171	41.8	31.6	47.4
170	28.1	21.3	31.9

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





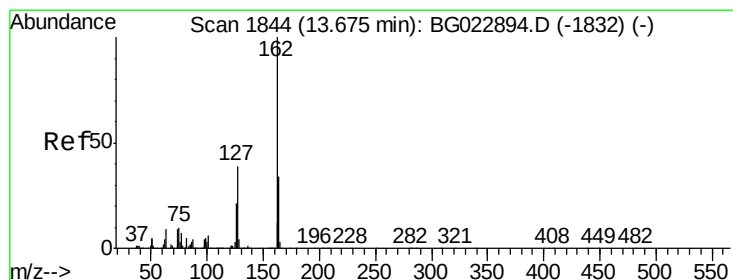
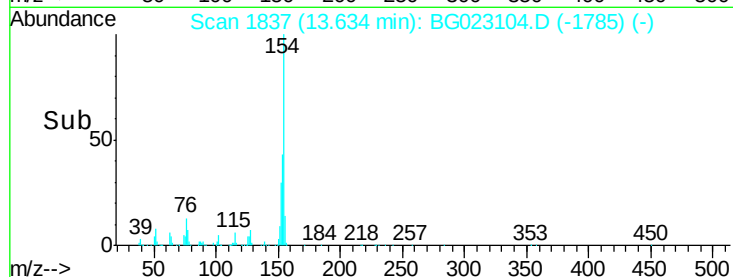
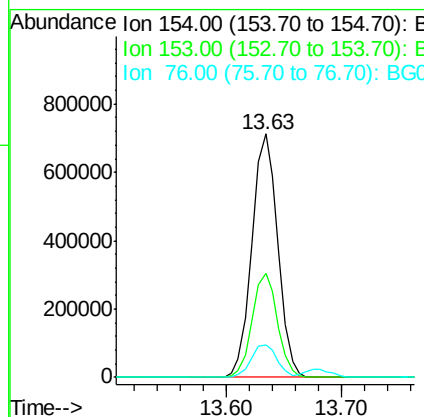
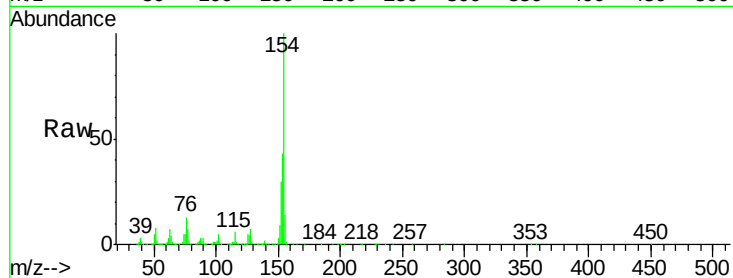
#45
1,1'-Biphenyl
Concen: 36.76 ng
RT: 13.63 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.8	20.2	60.2
76	13.1	0.0	32.9

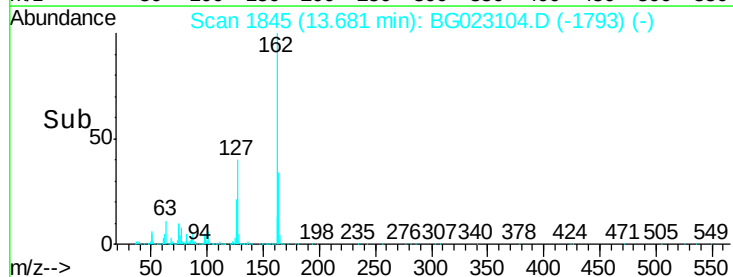
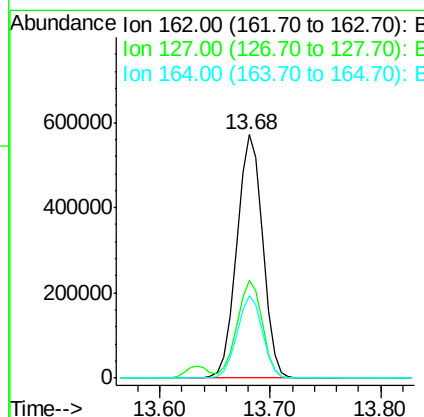
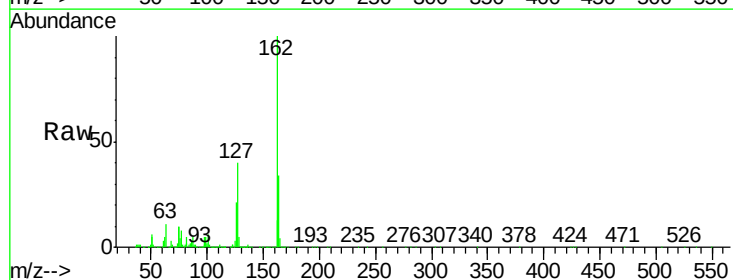
Manual Integrations

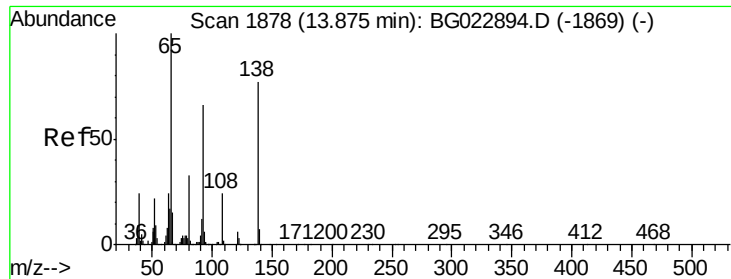
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#46
2-Chloronaphthalene
Concen: 38.43 ng
RT: 13.68 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.4	48.6
164	34.0	25.2	37.8





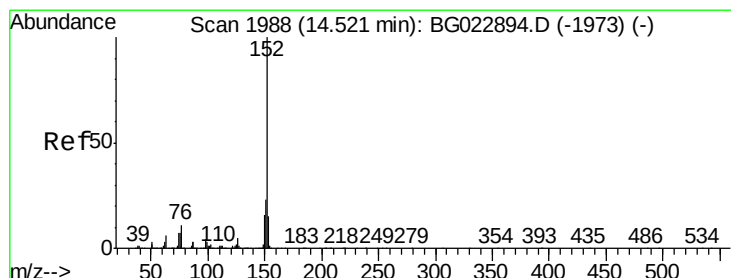
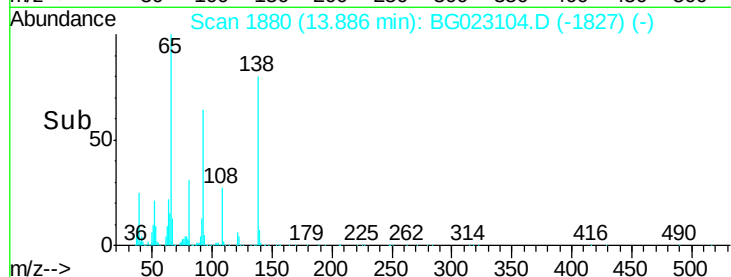
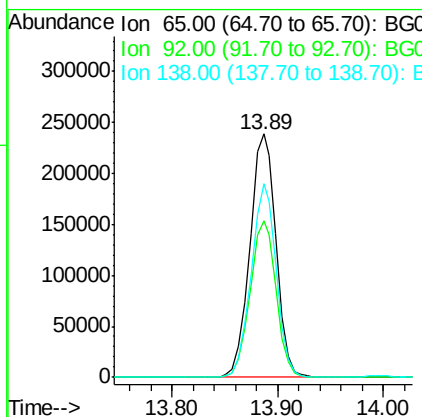
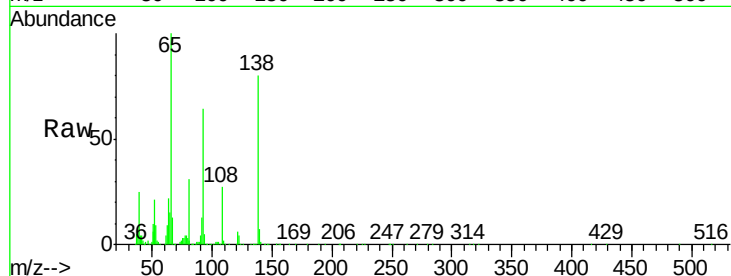
#47
 2-Nitroaniline
 Concen: 39.35 ng
 RT: 13.89 min Scan# 1880
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	64.2	49.4	74.0
138	79.6	58.0	87.0

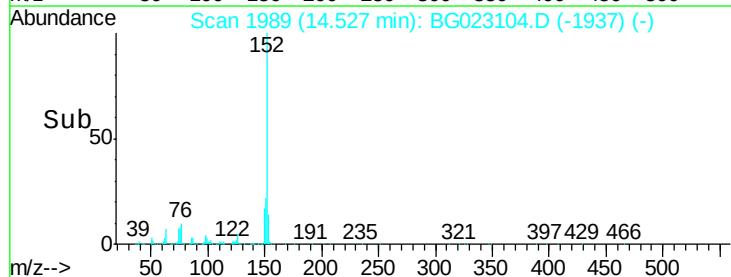
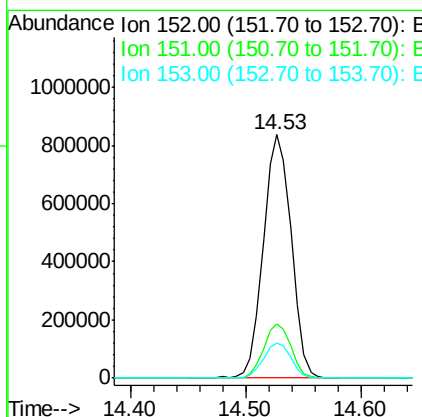
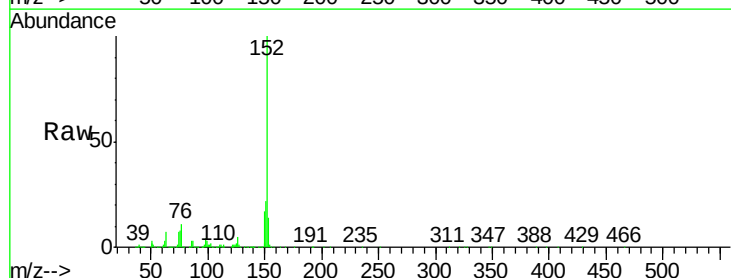
Manual Integrations

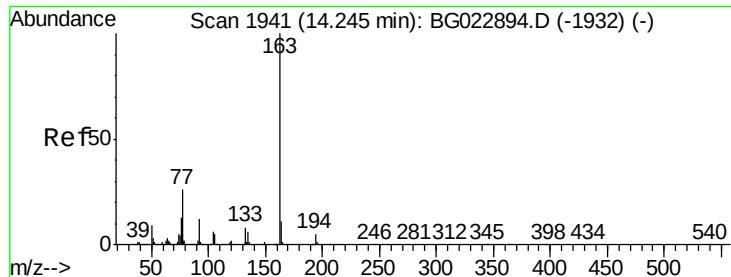
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#48
 Acenaphthylene
 Concen: 38.33 ng
 RT: 14.53 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.6	26.4
153	14.4	11.4	17.2





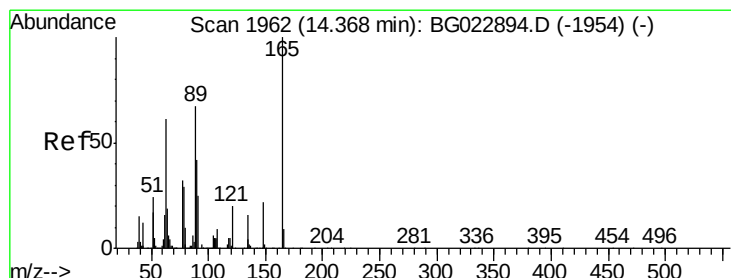
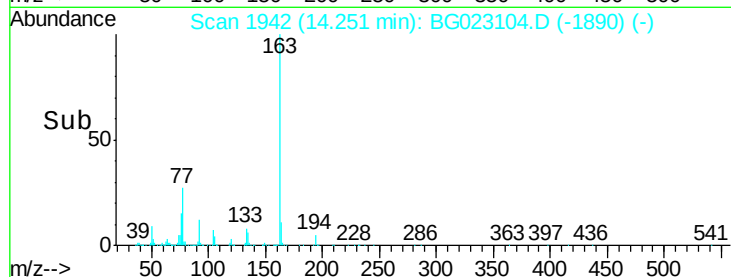
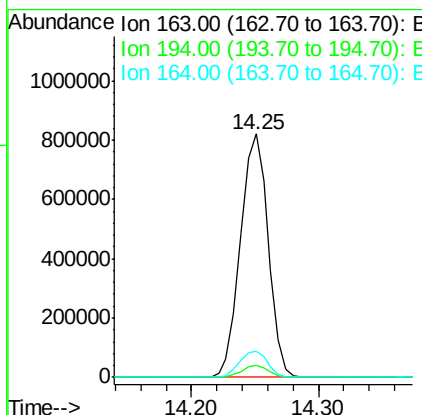
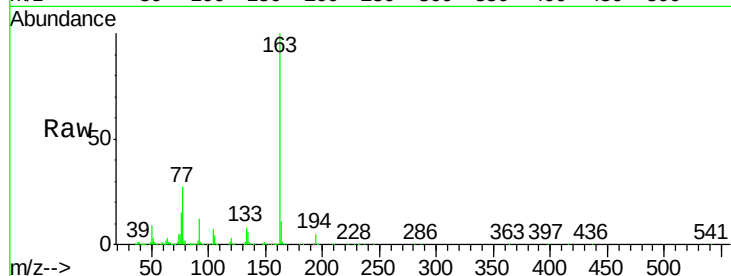
#49
Dimethylphthalate
Concen: 37.81 ng
RT: 14.25 min Scan# 1942
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampled :
PB91968BS

Tot Ion:163 Resp: 1242609
Ion Ratio Lower Upper
163 100
194 4.7 3.6 5.4
164 10.9 8.1 12.1

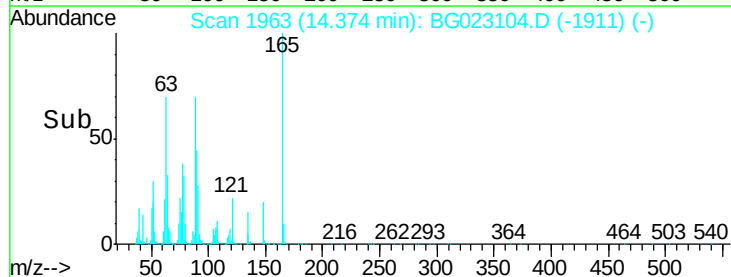
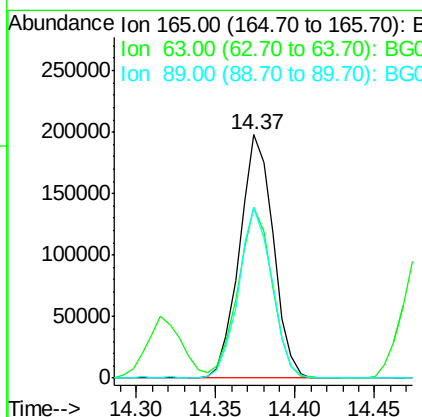
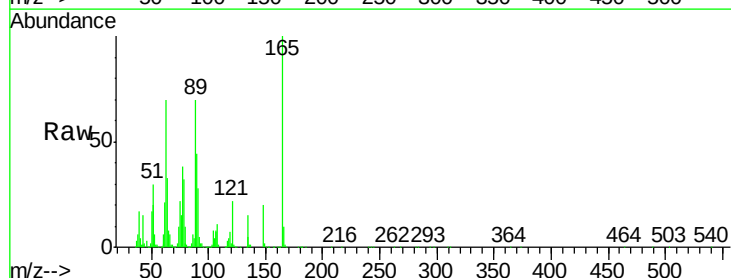
Manual Integrations

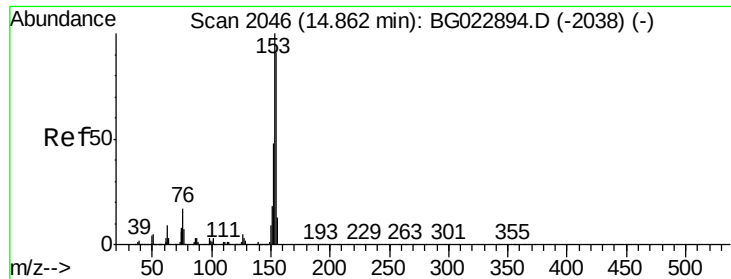
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#50
2,6-Dinitrotoluene
Concen: 39.52 ng
RT: 14.37 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:165 Resp: 291905
Ion Ratio Lower Upper
165 100
63 69.9 64.3 96.5
89 70.1 64.3 96.5





#51

Acenaphthene

Concen: 49.12 ng/mL

RT: 14.87 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:154 Resp: 1179220

Ion	Ratio	Lower	Upper
154	100		
153	106.0	87.5	131.3
152	52.3	42.7	64.1

154 100

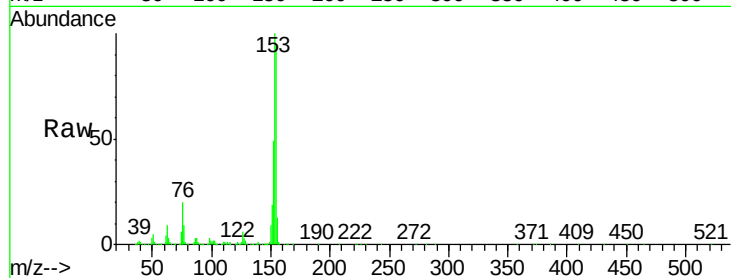
153 106.0 87.5 131.3

152 52.3 42.7 64.1

Manual Integrations

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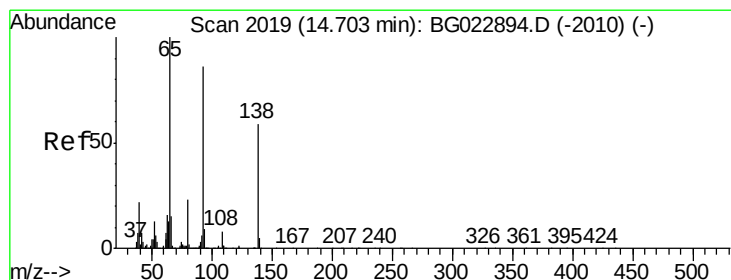
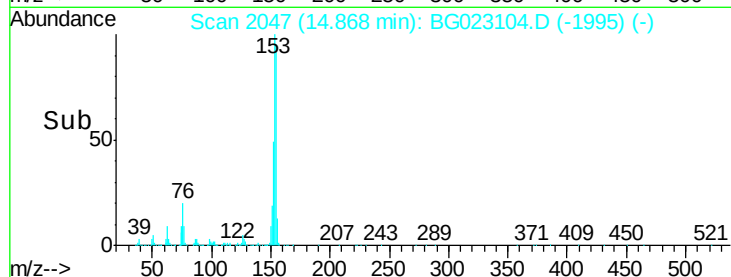
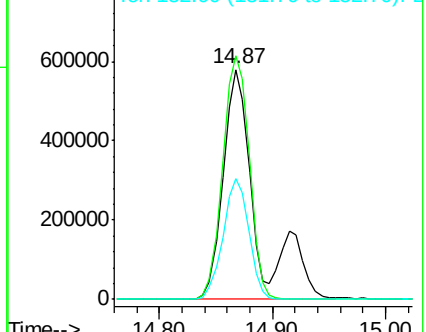


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 25.06 ng/mL

RT: 14.71 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

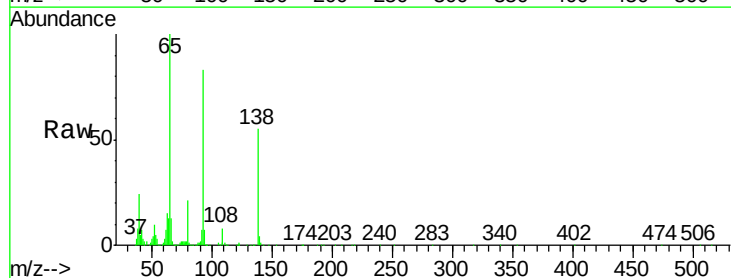
Tgt Ion:138 Resp: 184606

Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.7	17.5
92	151.5	129.7	194.5

138 100

108 14.2 11.7 17.5

92 151.5 129.7 194.5

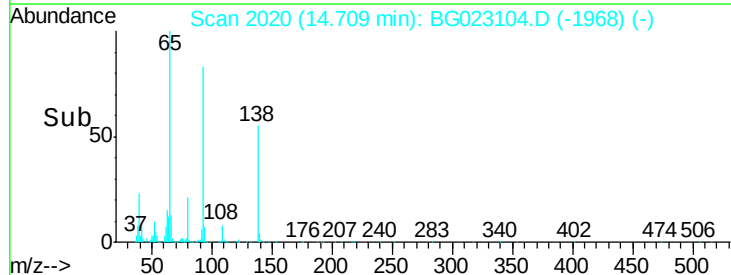
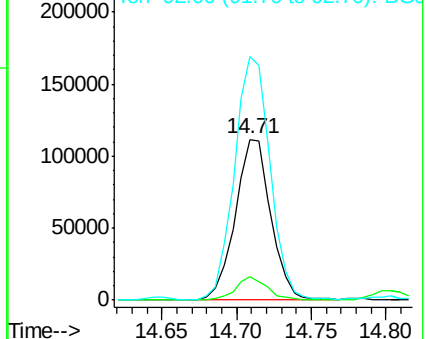


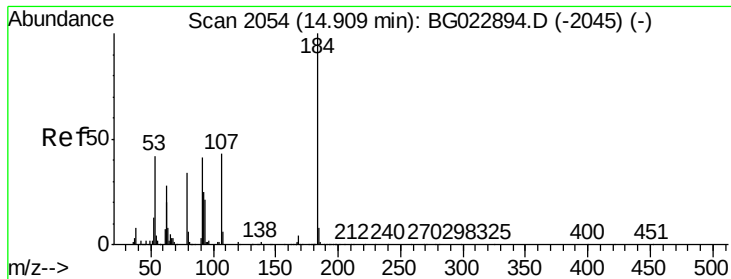
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





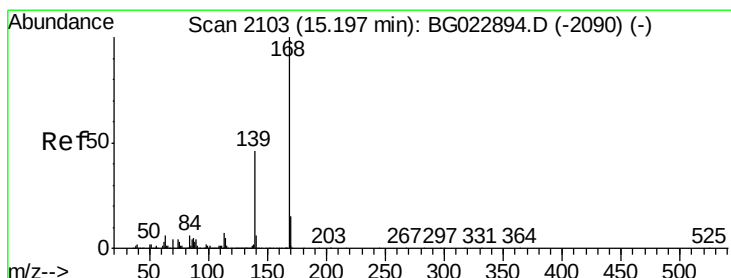
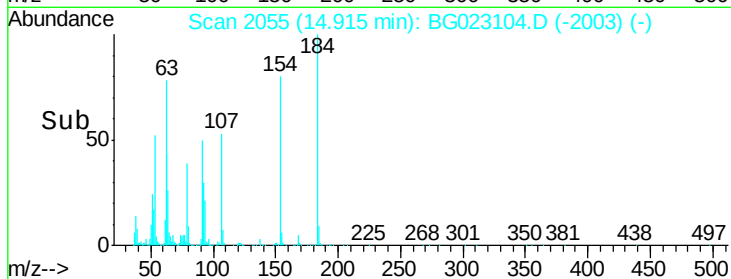
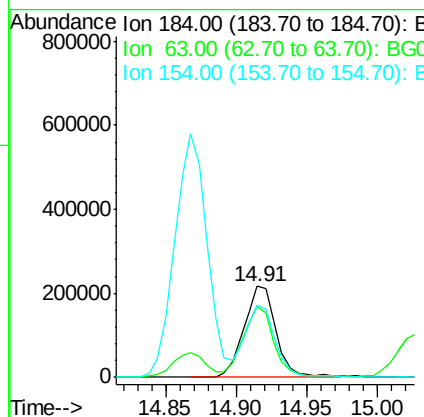
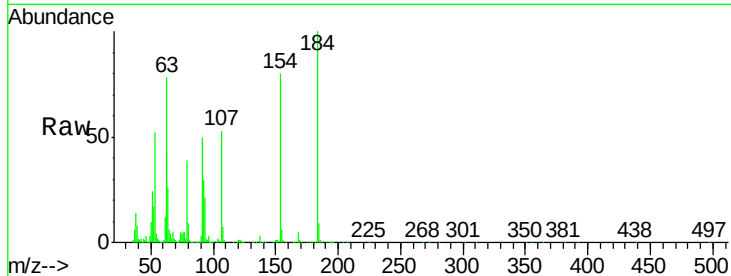
#53
2,4-Dinitrophenol
Concen: 68.14 ng
RT: 14.91 min Scan# 2055
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	Ratio	Lower	Upper
184	100		
63	78.1	59.6	89.4
154	80.1	67.4	101.0

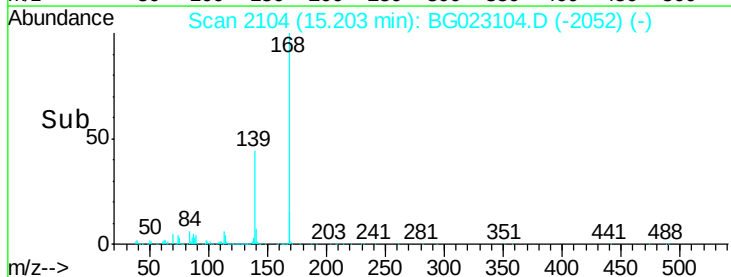
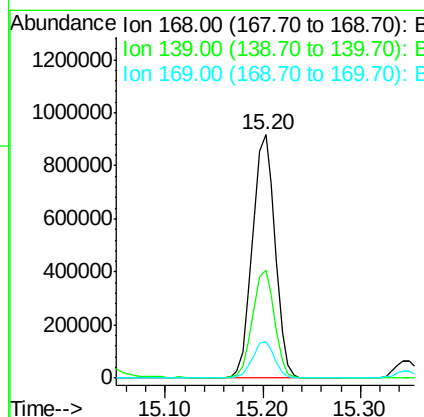
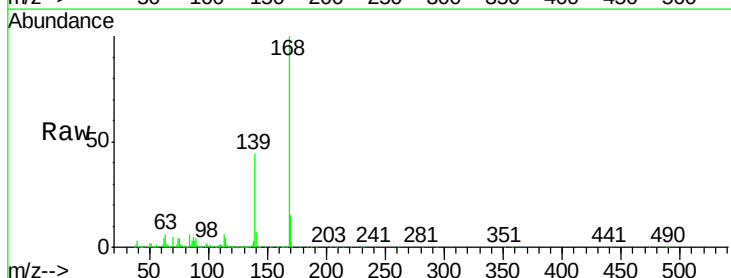
Manual Integrations

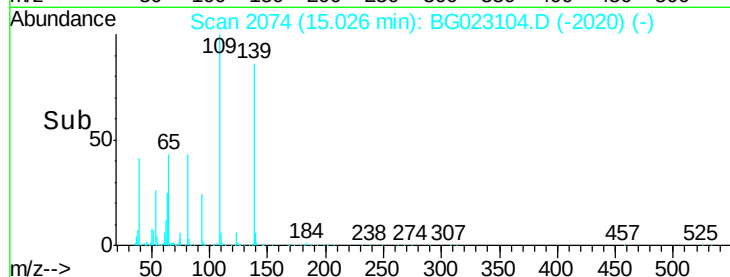
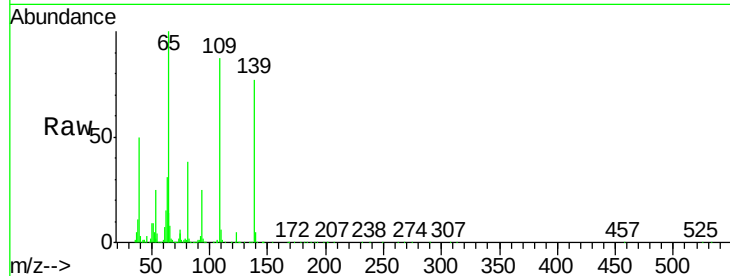
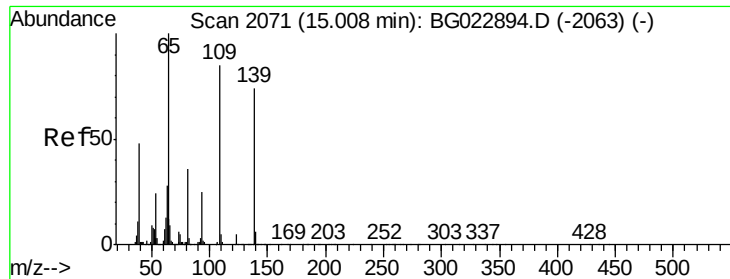
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#54
Dibenzofuran
Concen: 41.73 ng
RT: 15.20 min Scan# 2104
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.1	36.4	54.6
169	14.8	11.9	17.9





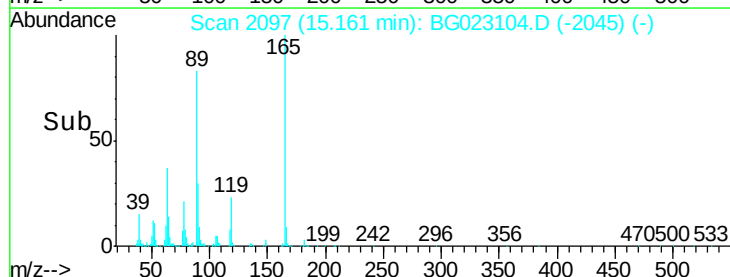
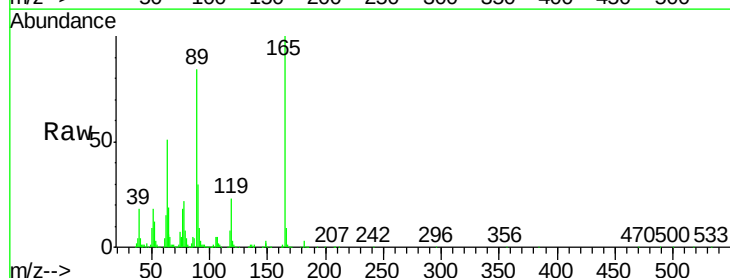
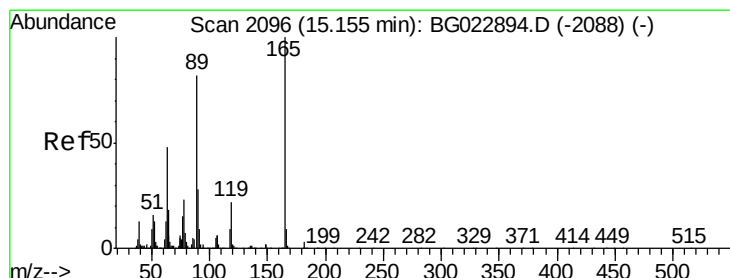
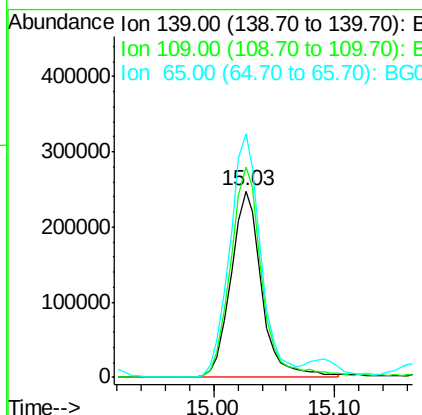
#55
4-Nitrophenol
Concen: 70.96 ng
RT: 15.03 min Scan# 2074
Delta R.T. 0.02 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tot Ion	Ratio	Lower	Upper
139	100		
109	113.1	103.0	143.0
65	130.6	112.7	152.7

Instrument :
BNA_G
ClientSampleId :
PB91968BS

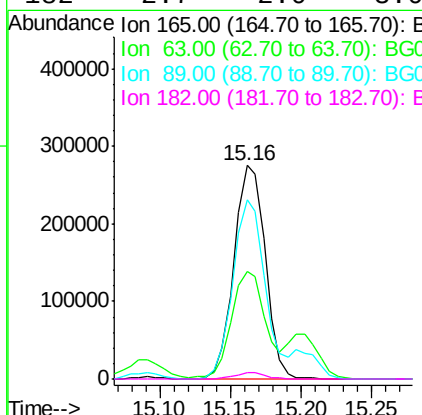
Manual Integrations

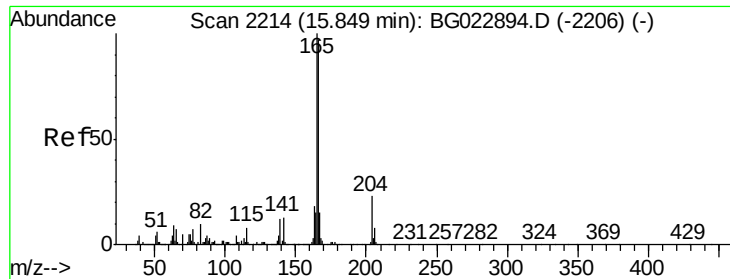
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#56
2,4-Dinitrotoluene
Concen: 39.49 ng
RT: 15.16 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.6	45.8	68.6
89	84.2	68.6	102.8
182	2.7	2.0	3.0





#57

Fluorene

Concen: 39.58 ng

RT: 15.85 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:166 Resp: 1224199

Ion Ratio Lower Upper

166 100

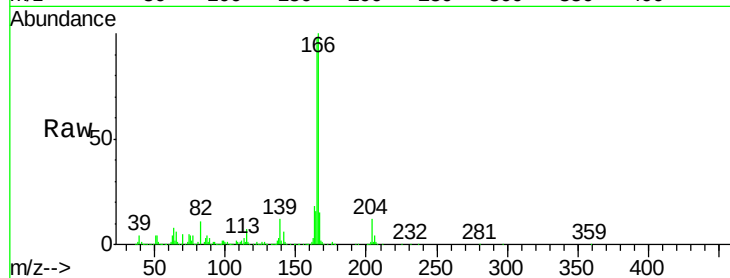
165 97.9 81.0 121.6

167 14.6 12.0 18.0

Manual Integrations

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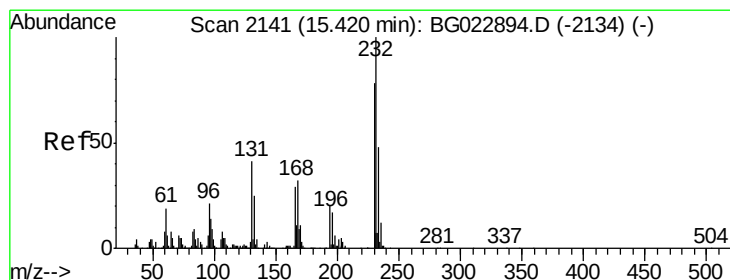
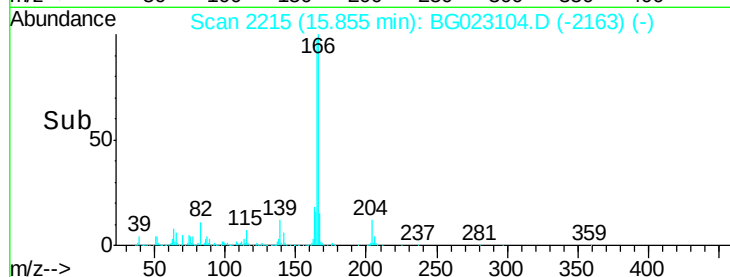
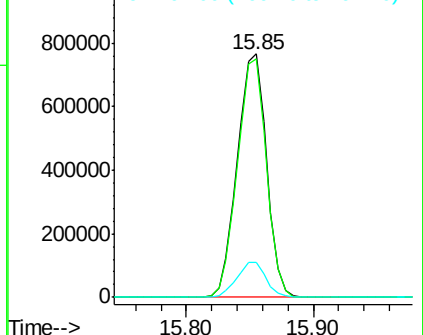


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.44 ng m

RT: 15.43 min Scan# 2142

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tgt Ion:232 Resp: 424331

Ion Ratio Lower Upper

232 100

131 38.0 32.7 49.1

130 2.8 2.6 3.8

166 24.1 23.0 34.6

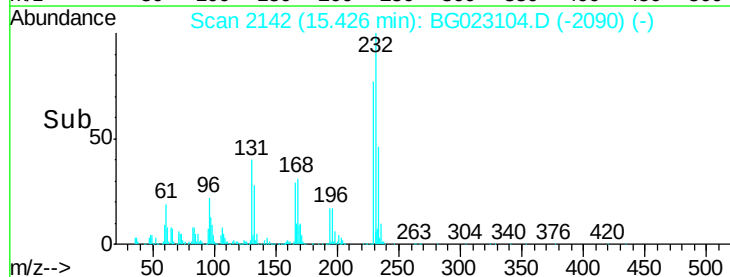
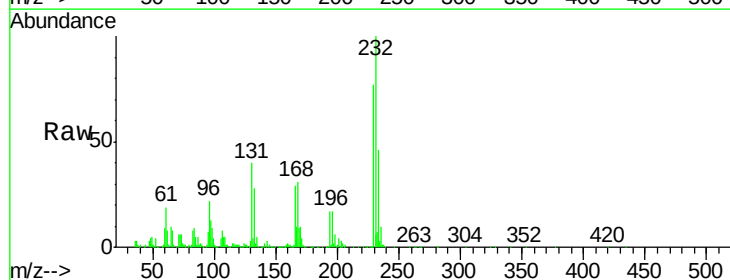
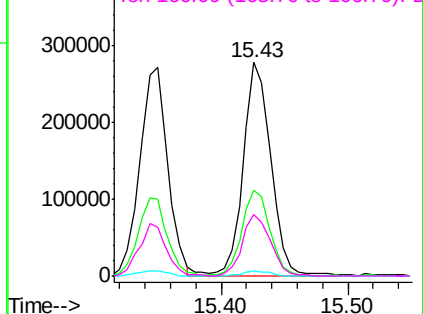
Abundance

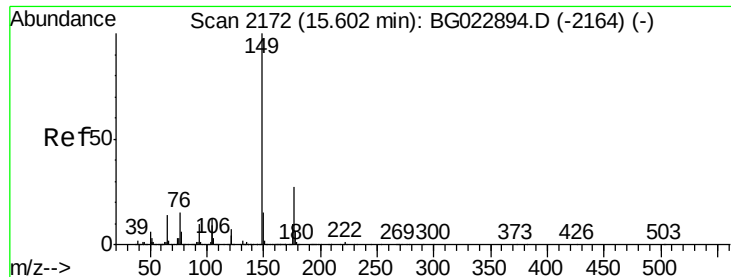
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





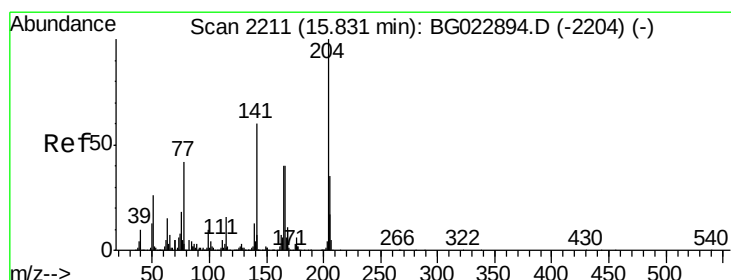
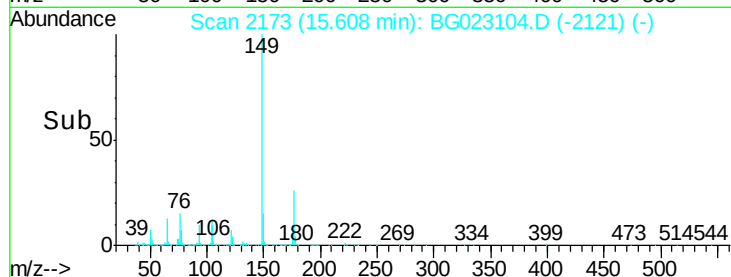
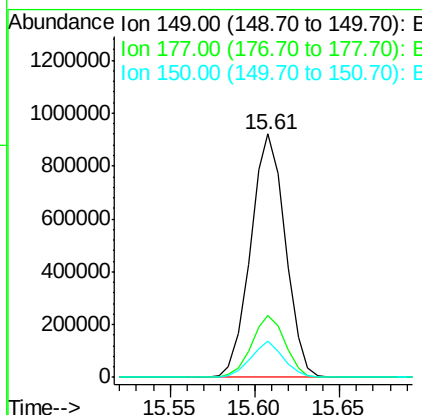
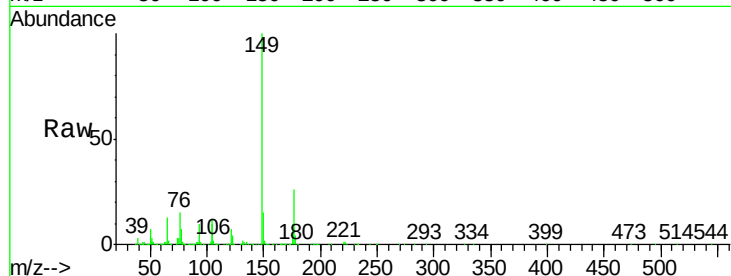
#59
Diethylphthalate
Concen: 39.30 ng
RT: 15.61 min Scan# 2173
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion:149 Resp: 1314206
Ion Ratio Lower Upper
149 100
177 25.5 19.2 28.8
150 15.1 10.6 16.0

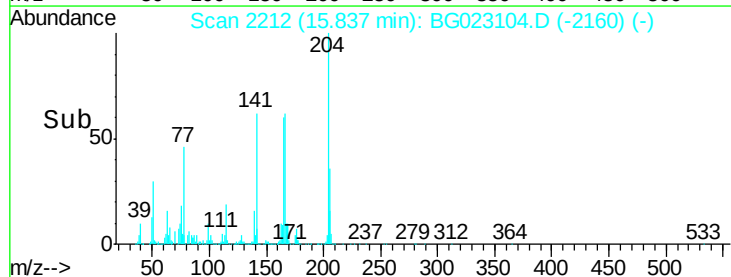
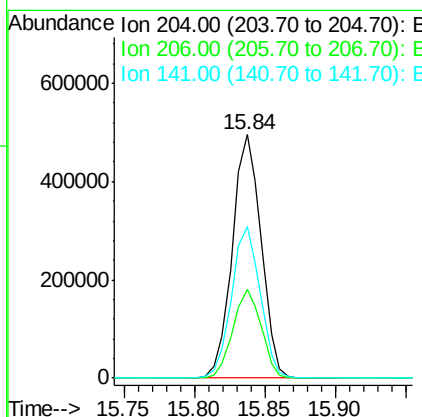
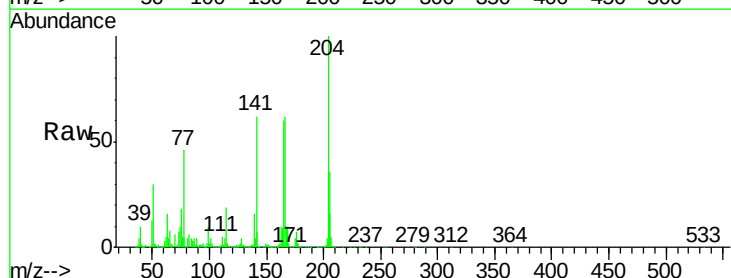
Manual Integrations

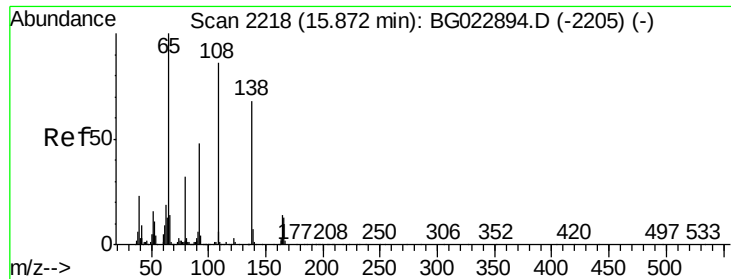
APPROVED
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7/15/2016 9:14:22 AM



#60
4-Chlorophenyl-phenylether
Concen: 37.28 ng
RT: 15.84 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:204 Resp: 702175
Ion Ratio Lower Upper
204 100
206 36.5 28.5 42.7
141 62.2 51.4 77.0





#61

4-Nitroaniline

Concen: 35.81 ng

RT: 15.88 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:138 Resp: 285417

Ion Ratio Lower Upper

138 100

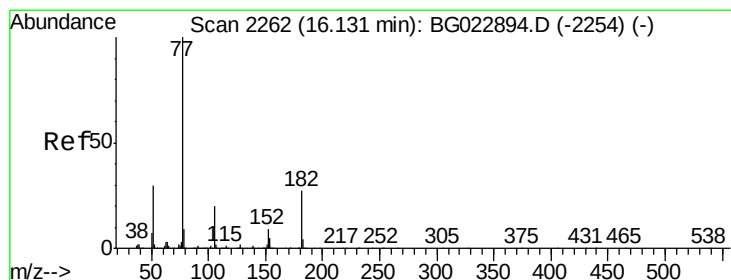
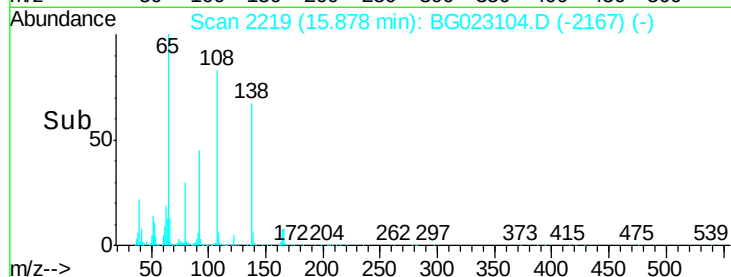
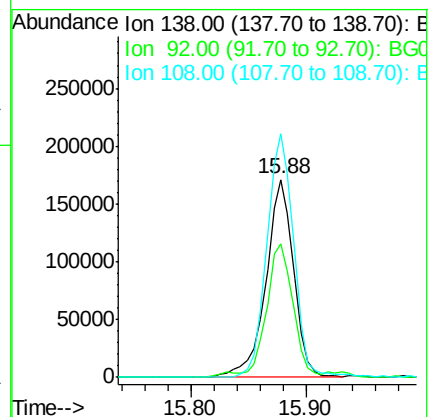
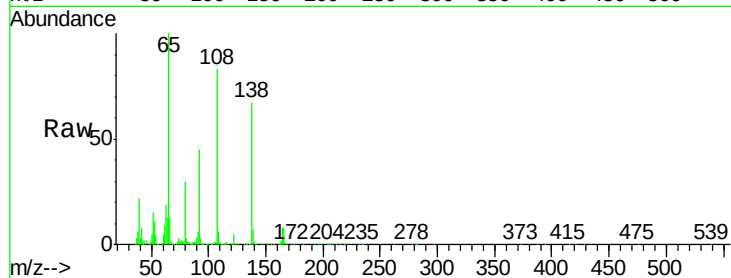
92 67.3 54.1 94.1

108 123.1 133.9 173.9#

Manual Integrations

Sohil

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#62

Azobenzene

Concen: 45.68 ng

RT: 16.13 min Scan# 2262

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tgt Ion: 77 Resp: 1461279

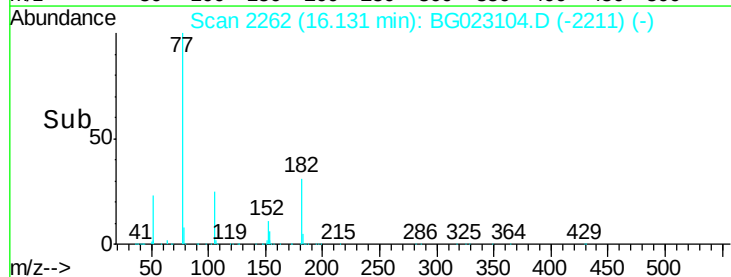
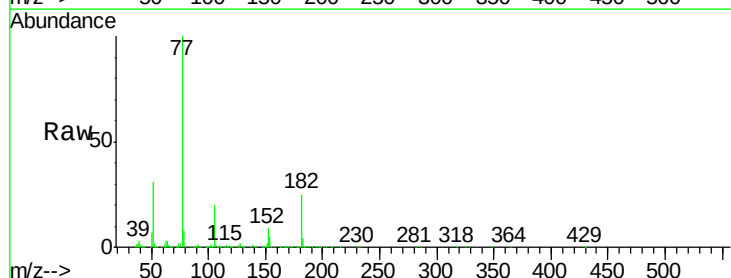
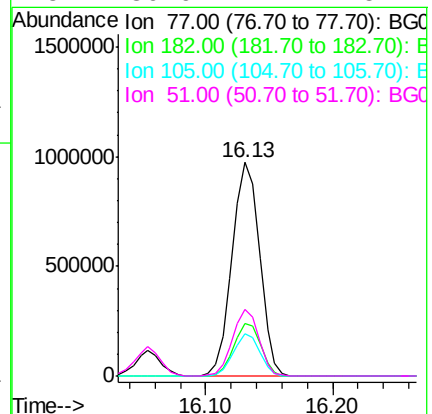
Ion Ratio Lower Upper

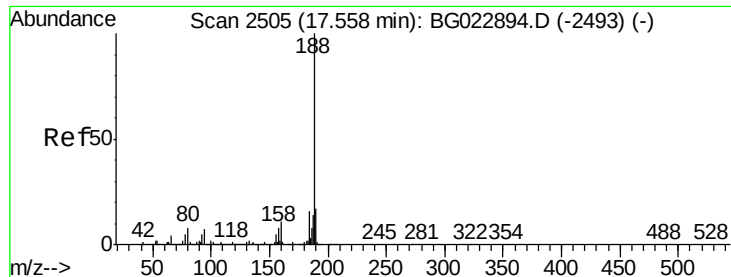
77 100

182 24.6 3.5 43.5

105 19.9 0.0 38.5

51 30.9 17.1 57.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

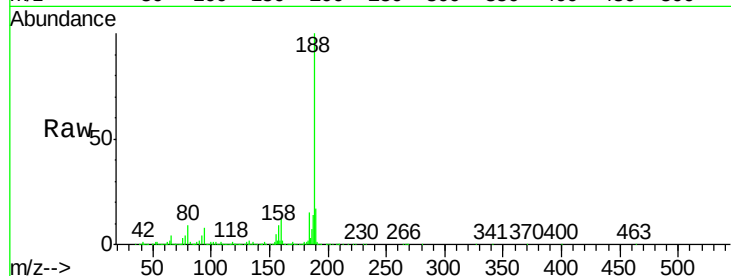
PB91968BS

Tot Ion:	188	Resp:	975415
Ion Ratio	Lower	Upper	
188	100		
94	8.4	5.2	7.8#
80	9.1	7.2	10.8

Manual Integrations

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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

17.56

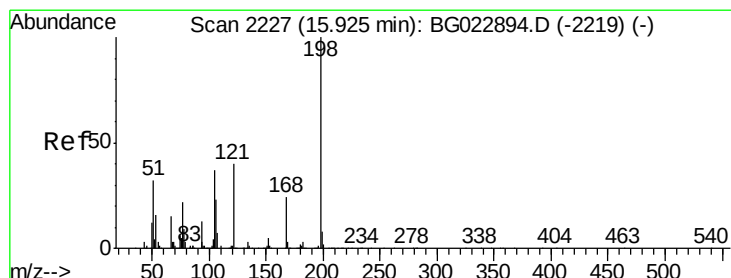
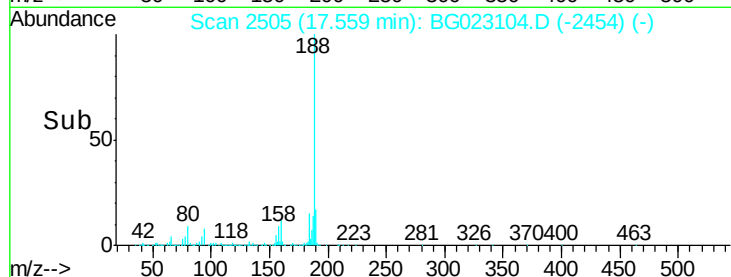
600000

400000

200000

0

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 35.91 ng

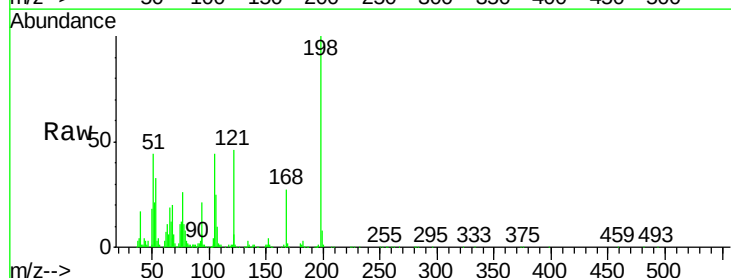
RT: 15.93 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tgt Ion:	198	Resp:	260359
Ion Ratio	Lower	Upper	
198	100		
51	44.3	26.0	66.0
105	44.4	20.1	60.1



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

15.93

200000

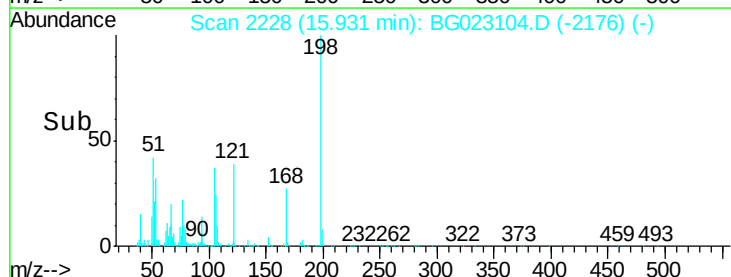
150000

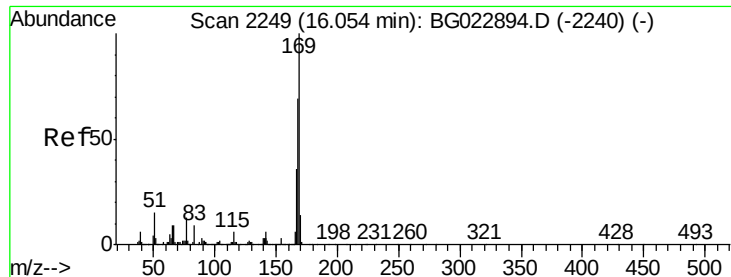
100000

50000

0

Time-->





#65

n-Nitrosodiphenylamine

Concen: 40.64 ng

RT: 16.05 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:169 Resp: 1142025

Ion Ratio Lower Upper

169 100

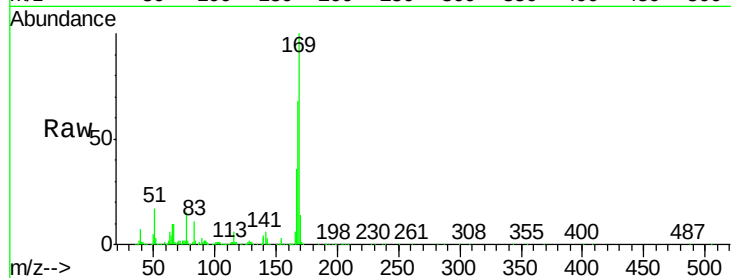
168 68.4 55.0 82.4

167 36.3 27.4 41.0

Manual Integrations

Sohil

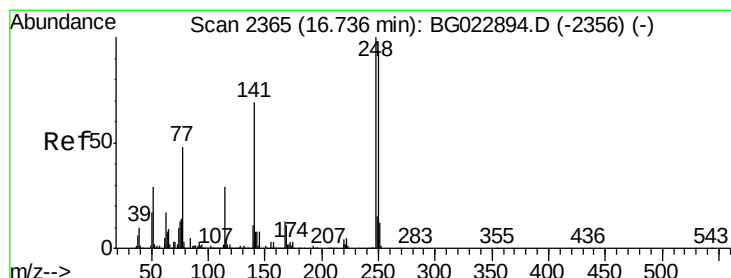
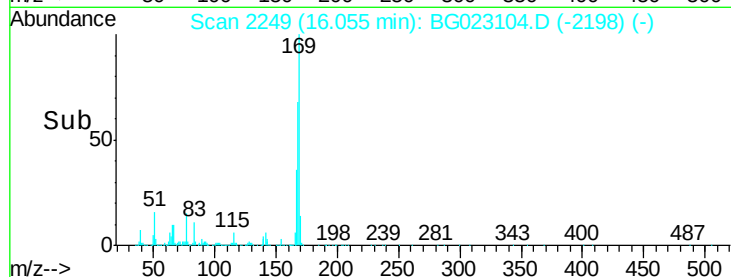
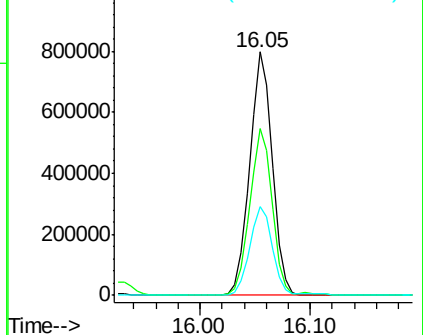
7/15/2016 9:14:22 AM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 37.93 ng

RT: 16.74 min Scan# 2365

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

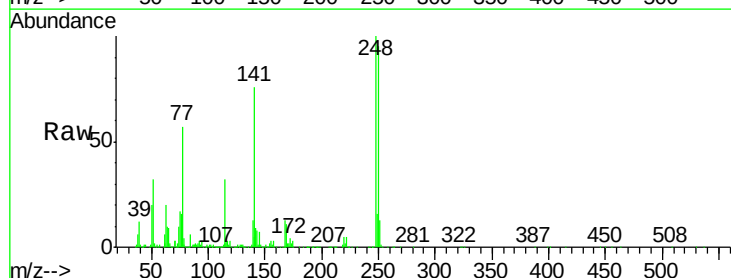
Tgt Ion:248 Resp: 481347

Ion Ratio Lower Upper

248 100

250 94.5 77.8 116.8

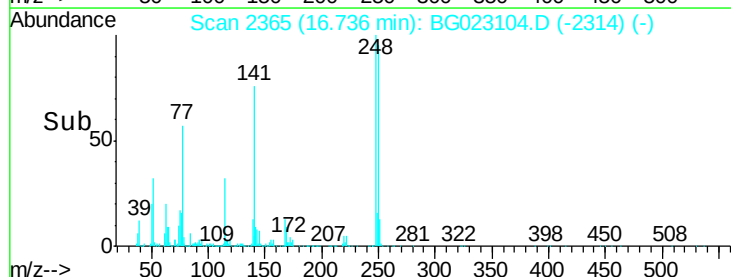
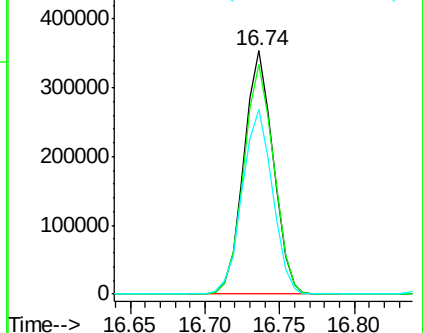
141 76.0 65.7 98.5

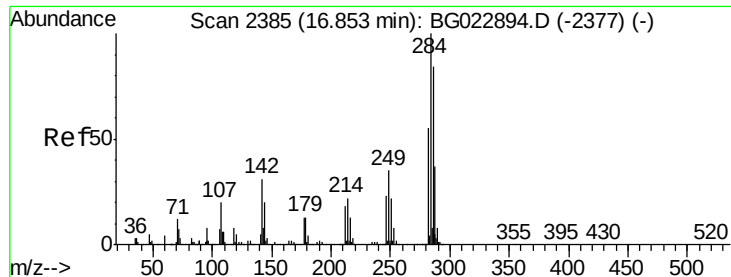


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 36.10 ng

RT: 16.86 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

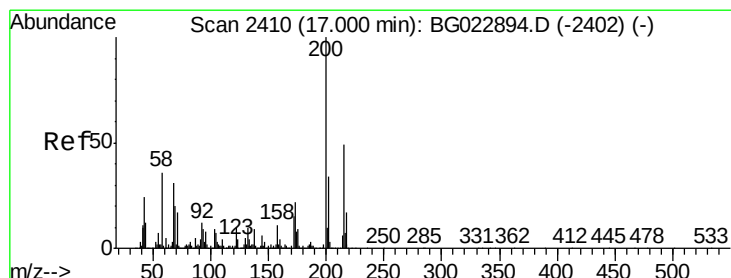
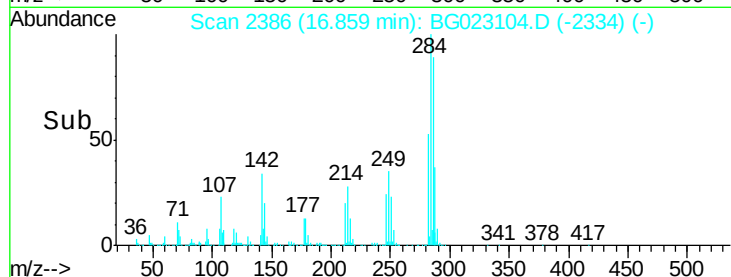
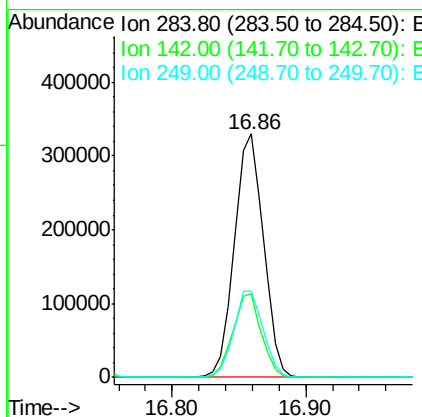
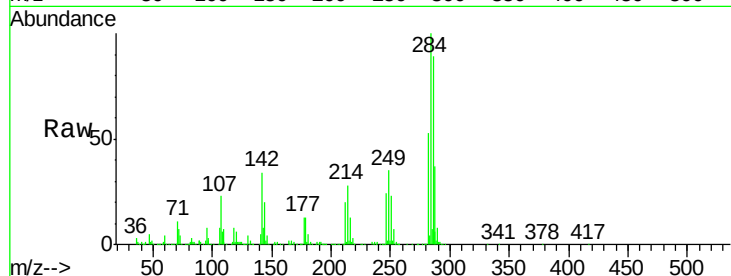
PB91968BS

Tot Ion:	284	Resp:	498121
Ion Ratio	Lower	Upper	
284	100		
142	34.1	26.8	40.2
249	35.2	28.9	43.3

Manual Integrations

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7/15/2016 9:14:22 AM



#68

Atrazine

Concen: 39.65 ng

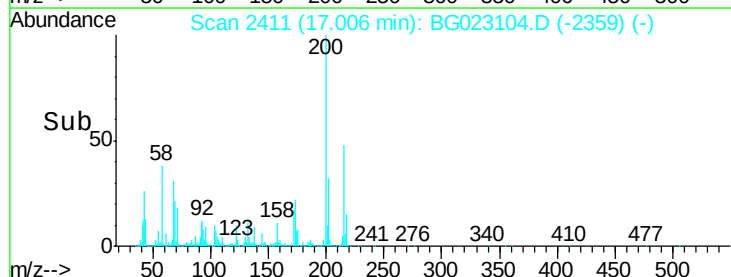
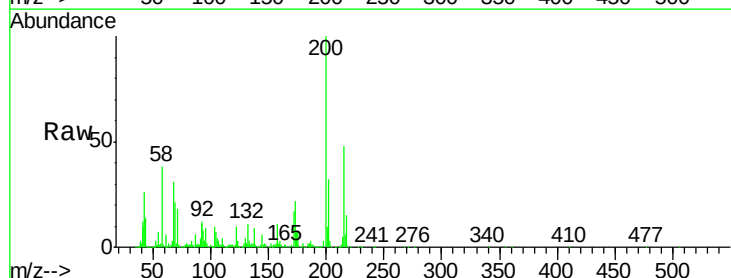
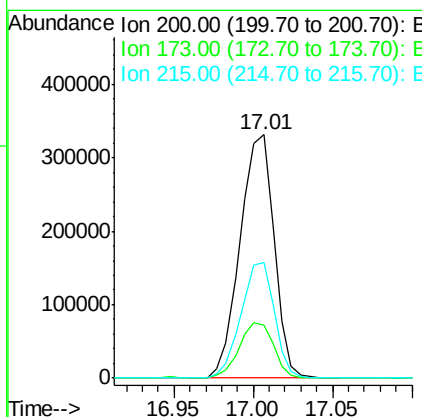
RT: 17.01 min Scan# 2411

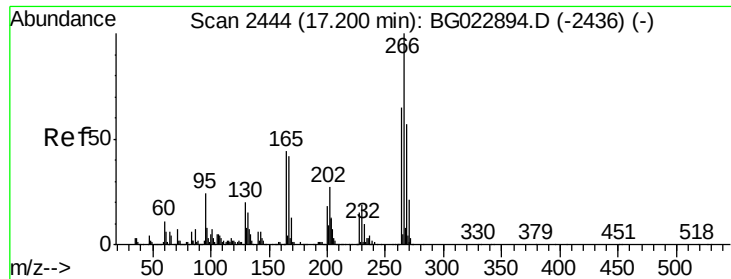
Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Tgt Ion:	200	Resp:	494226
Ion Ratio	Lower	Upper	
200	100		
173	21.8	1.6	41.6
215	47.5	28.7	68.7





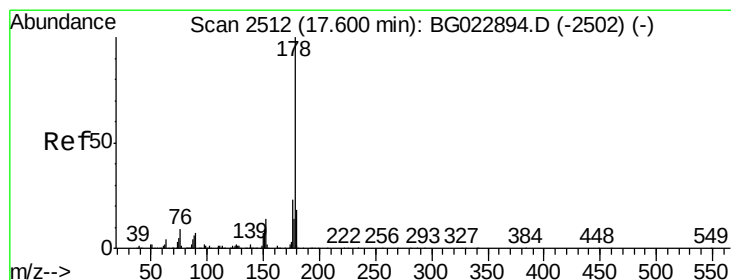
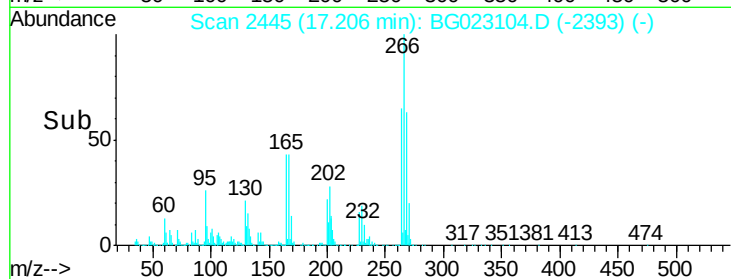
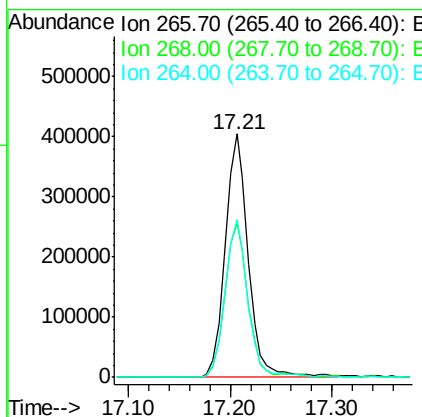
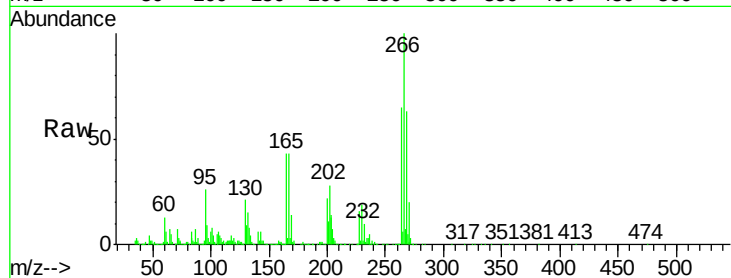
#69
 Pentachlorophenol
 Concen: 71.03 ng
 RT: 17.21 min Scan# 2445
 Delta R.T. 0.01 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.9	77.9
264	64.8	50.6	75.8

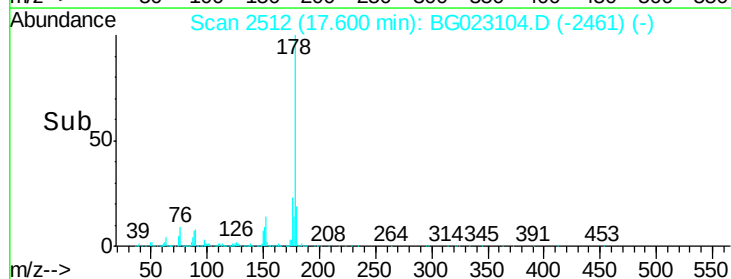
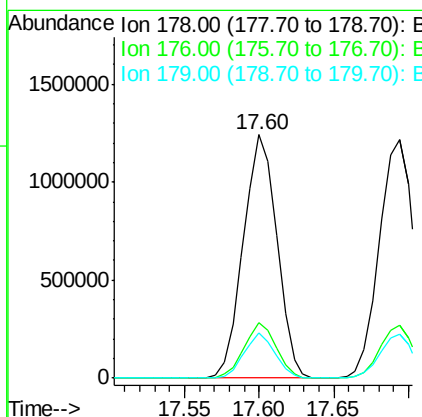
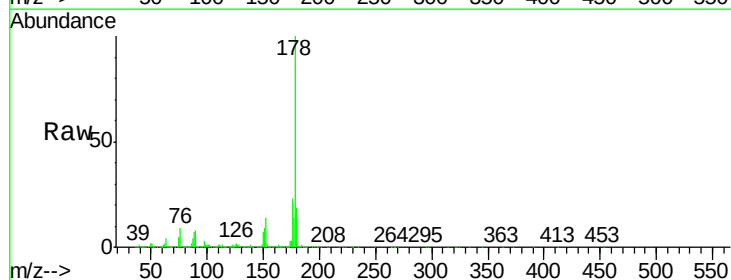
Manual Integrations

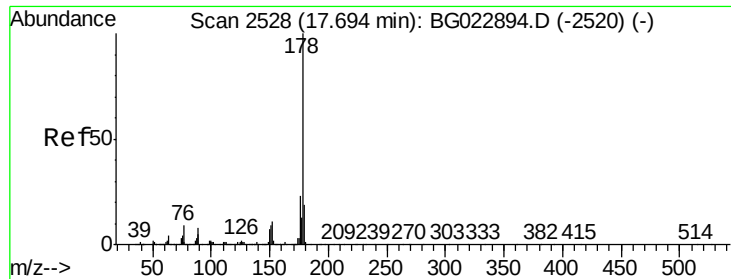
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#70
 Phenanthrene
 Concen: 40.43 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.9	16.8	25.2
179	18.8	14.3	21.5





#71

Anthracene

Concen: 40.33 ng

RT: 17.69 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:178 Resp: 1952332

Ion Ratio Lower Upper

178 100

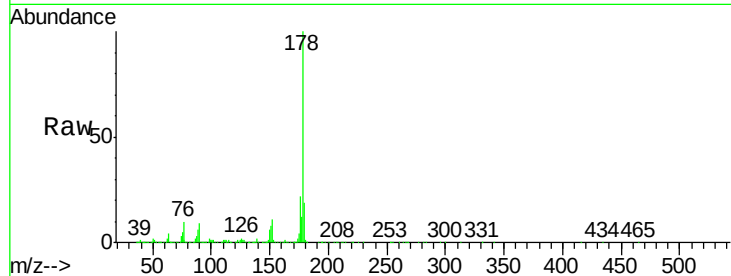
176 22.2 17.3 25.9

179 18.6 14.0 21.0

Manual Integrations

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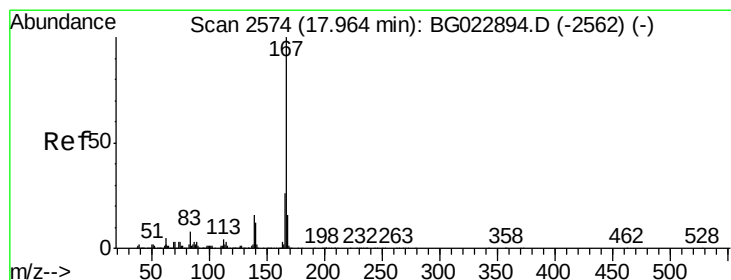
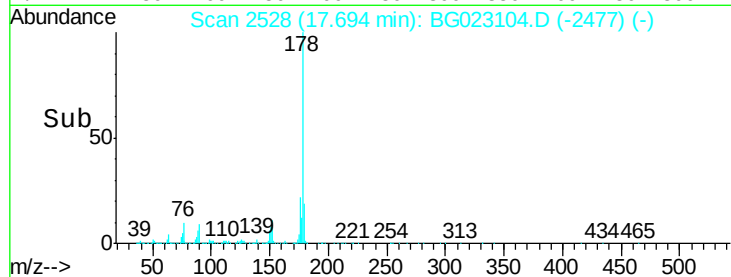
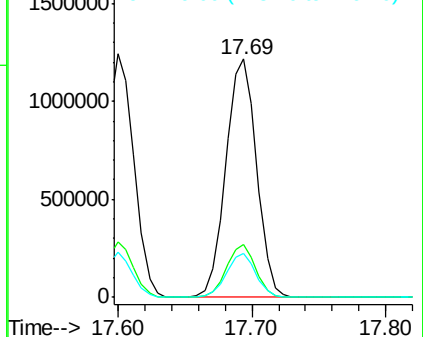
7/15/2016 9:14:22 AM



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



#72

Carbazole

Concen: 40.56 ng

RT: 17.96 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

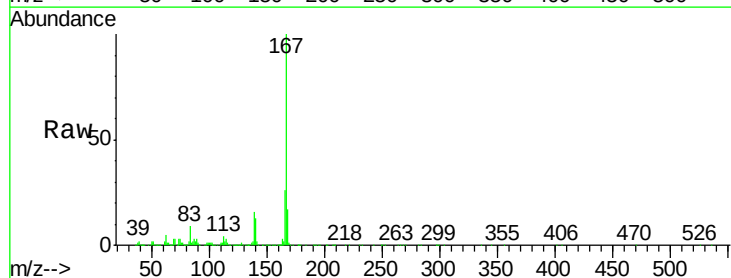
Tgt Ion:167 Resp: 1696309

Ion Ratio Lower Upper

167 100

166 25.8 20.7 31.1

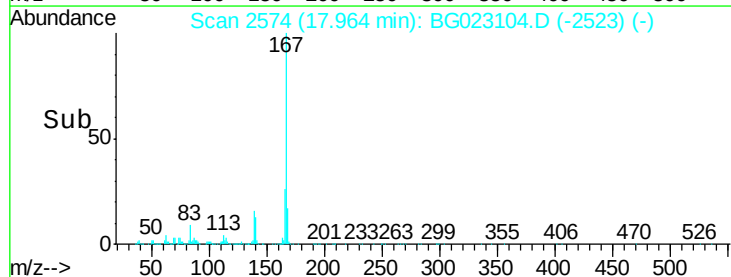
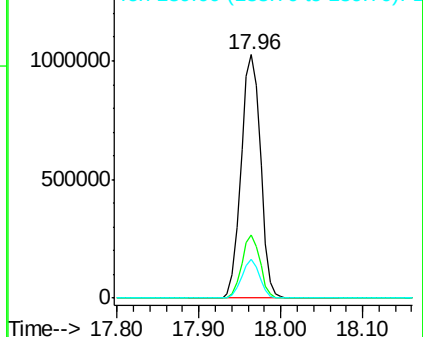
139 15.9 11.9 17.9

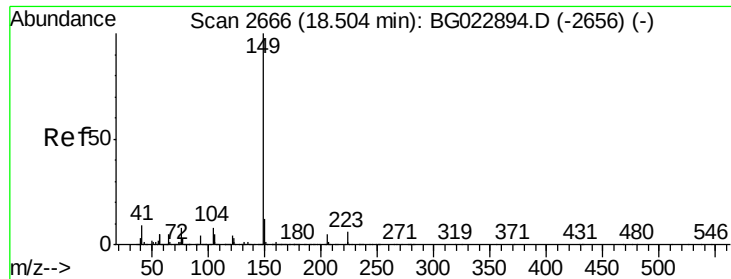


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





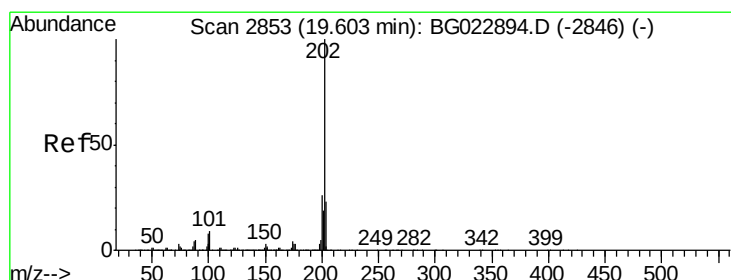
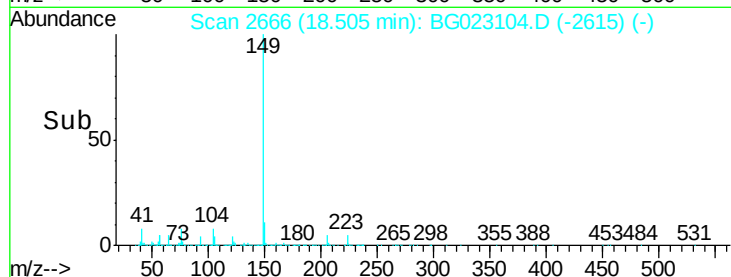
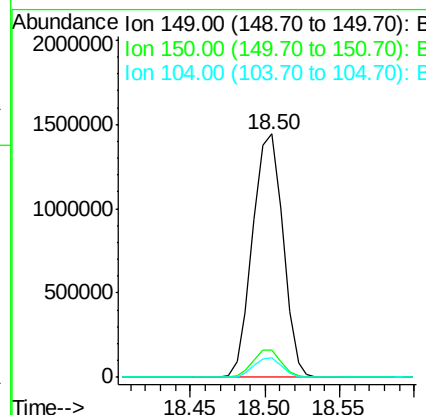
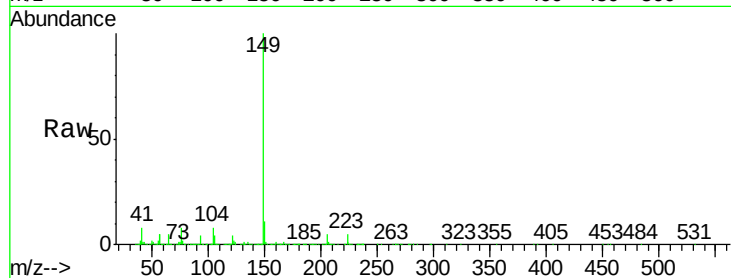
#73
Di-n-butylphthalate
Concen: 43.61 ng
RT: 18.50 min Scan# 2666
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion:149 Resp: 2028326
Ion Ratio Lower Upper
149 100
150 11.3 9.1 13.7
104 7.9 6.9 10.3

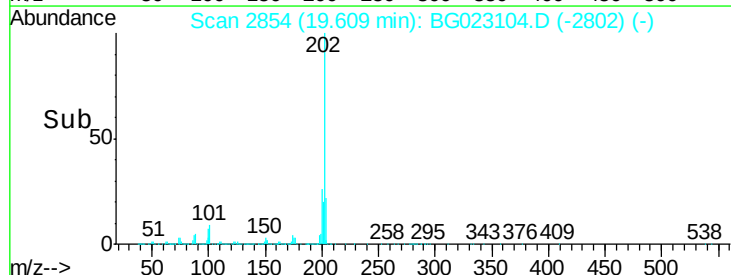
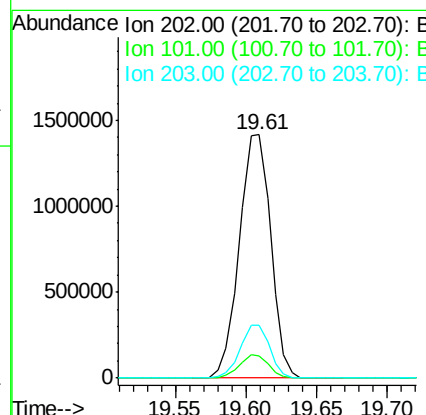
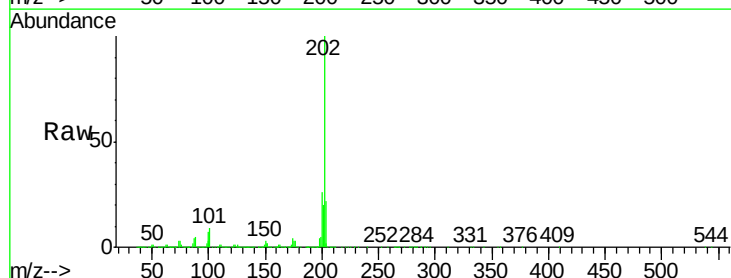
Manual Integrations

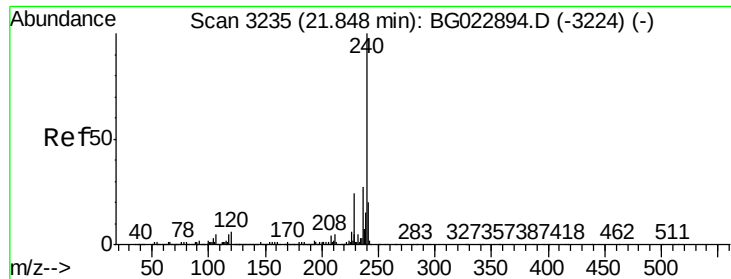
APPROVED
Sohil
7/15/2016 9:14:22 AM



#74
Fluoranthene
Concen: 37.51 ng
RT: 19.61 min Scan# 2854
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:202 Resp: 2200528
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.4
203 21.6 1.7 41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3238

Delta R.T. 0.02 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:240 Resp: 1008326

Ion Ratio Lower Upper

240 100

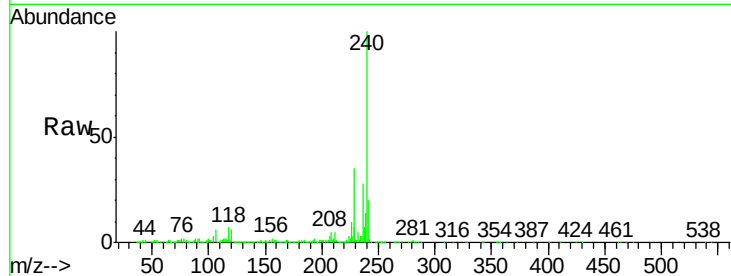
120 6.4 4.1 6.1#

236 27.9 21.1 31.7

Manual Integrations

Sohil

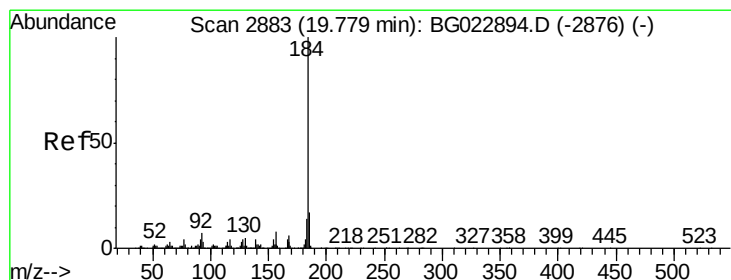
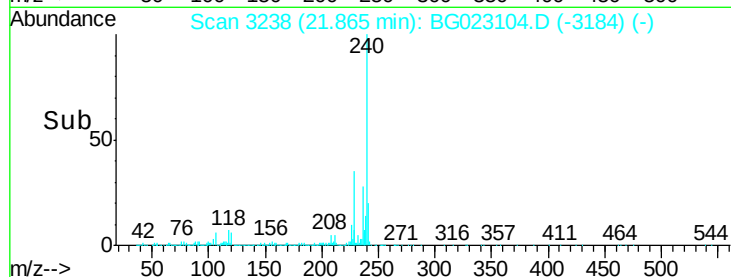
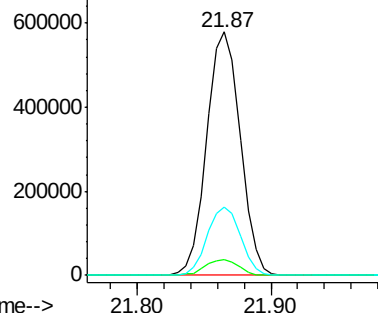
7/15/2016 9:14:22 AM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 37.00 ng

RT: 19.79 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

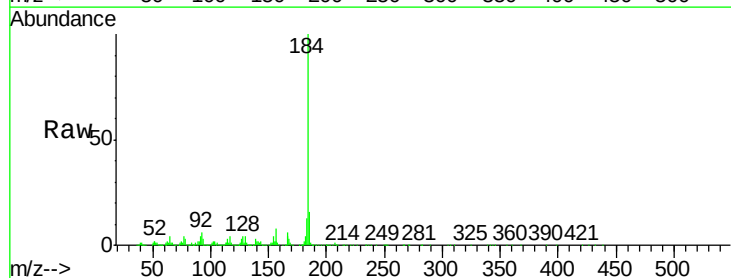
Tgt Ion:184 Resp: 1069484

Ion Ratio Lower Upper

184 100

185 15.6 12.6 19.0

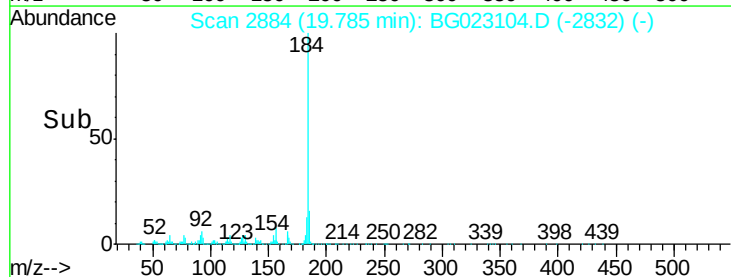
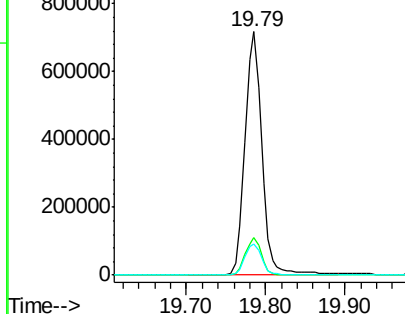
183 12.9 10.7 16.1

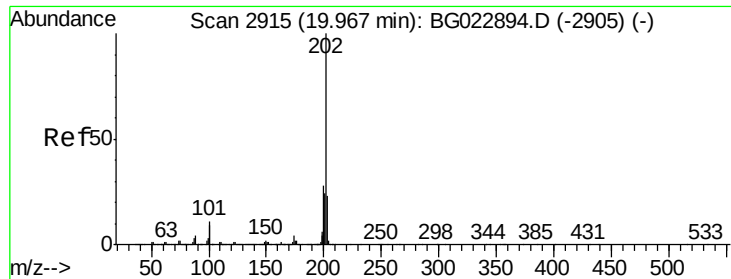


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





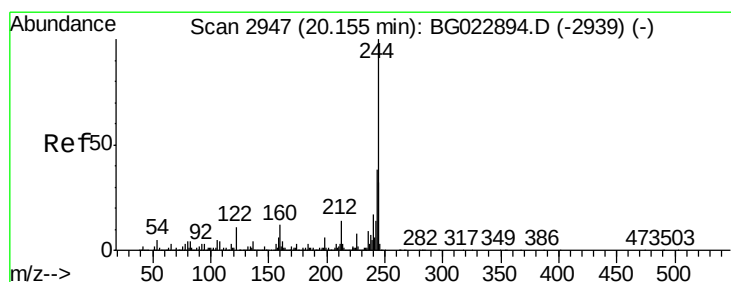
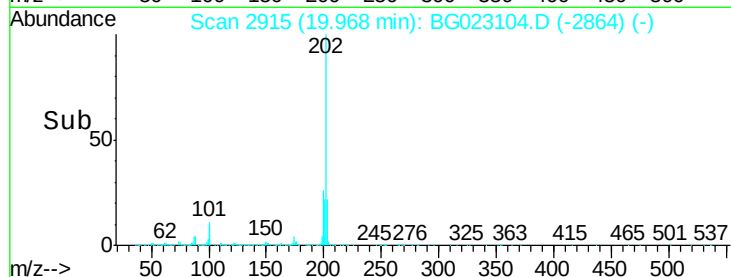
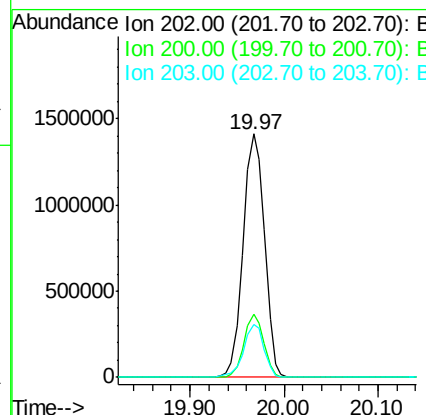
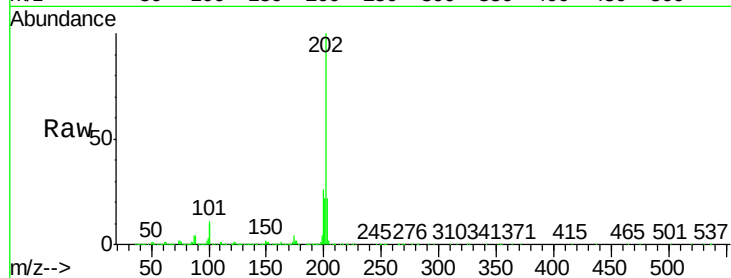
#77
Pvrene
Concen: 39.26 ng
RT: 19.97 min Scan# 2915
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	25.9	21.2	31.8
203	21.7	16.8	25.2

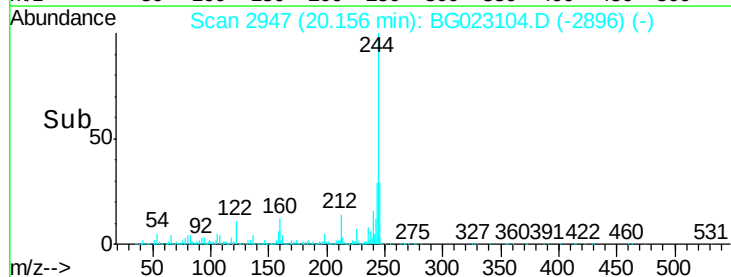
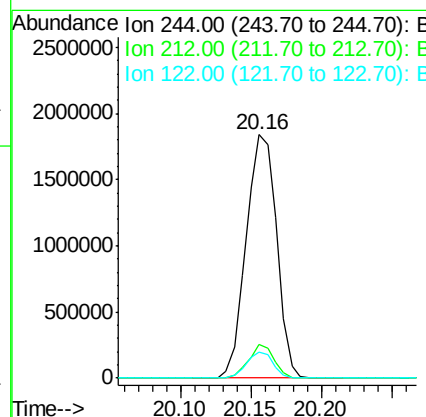
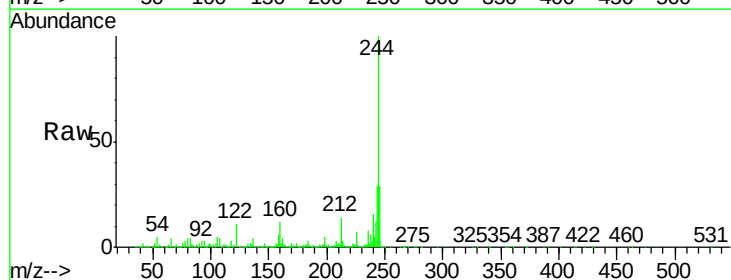
Manual Integrations

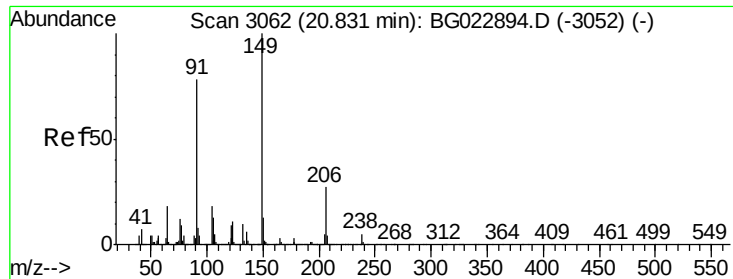
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#78
Terphenyl-d14
Concen: 89.42 ng
RT: 20.16 min Scan# 2947
Delta R.T. 0.00 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	13.7	10.8	16.2
122	10.9	8.0	12.0





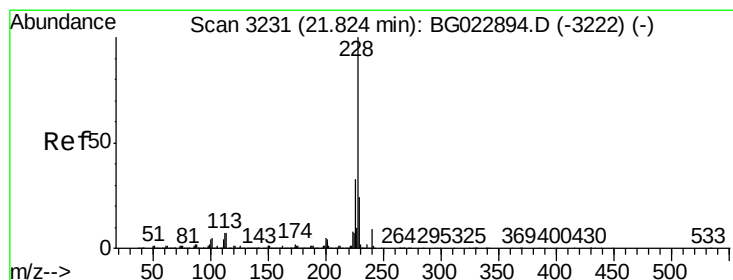
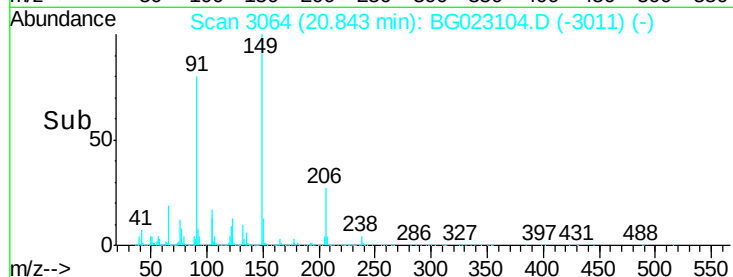
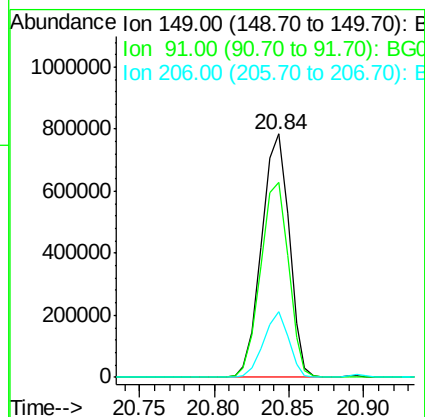
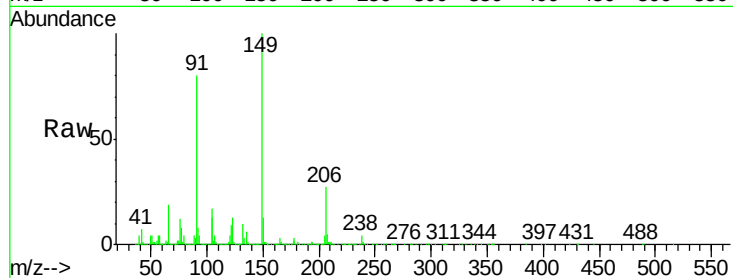
#79
Butylbenzylphthalate
Concen: 44.61 ng
RT: 20.84 min Scan# 3064
Delta R.T. 0.01 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion:149 Resp: 1001305
Ion Ratio Lower Upper
149 100
91 80.2 68.1 102.1
206 26.8 19.8 29.6

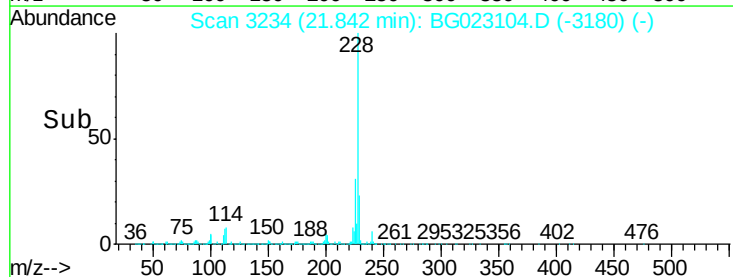
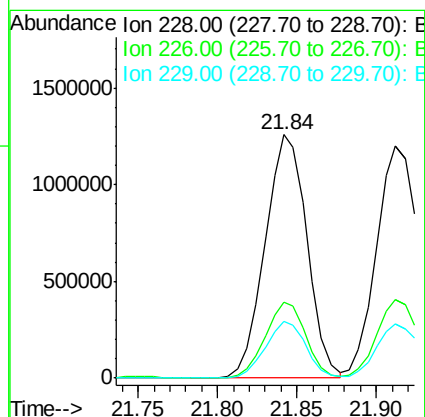
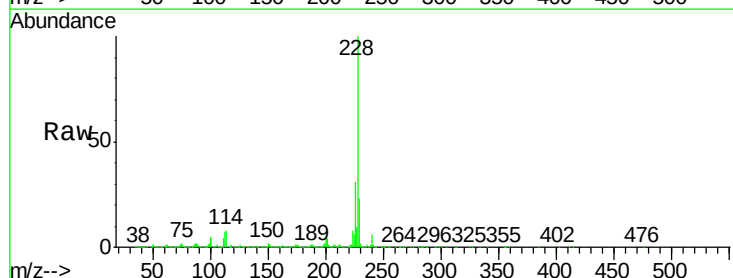
Manual Integrations

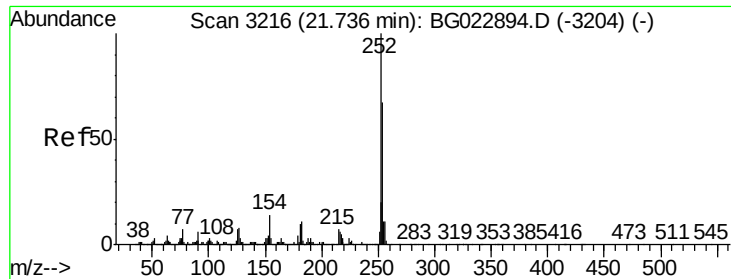
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#80
Benzo(a)anthracene
Concen: 40.85 ng
RT: 21.84 min Scan# 3234
Delta R.T. 0.02 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:228 Resp: 2304540
Ion Ratio Lower Upper
228 100
226 31.0 25.3 37.9
229 23.2 19.9 29.9





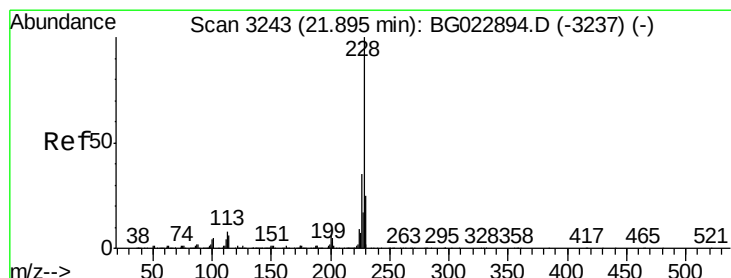
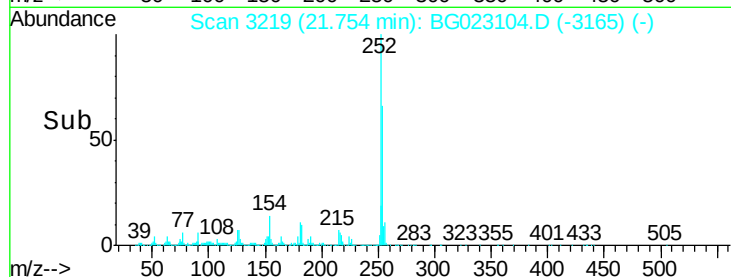
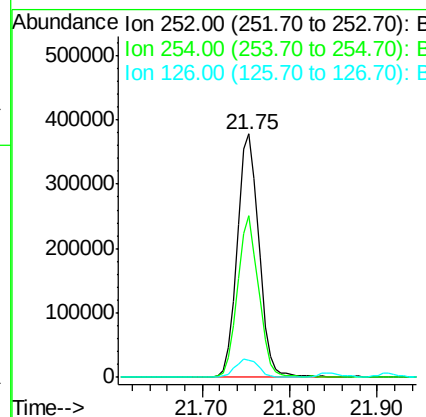
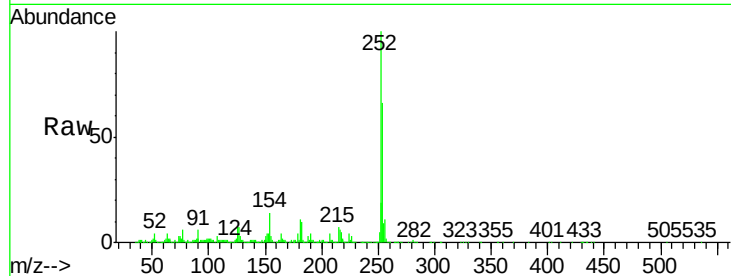
#81
 3,3'-Dichlorobenzidine
 Concen: 25.64 ng
 RT: 21.75 min Scan# 3219
 Delta R.T. 0.02 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Tot Ion	Ratio	Lower	Upper
252	100		
254	66.3	51.2	76.8
126	7.3	5.3	7.9

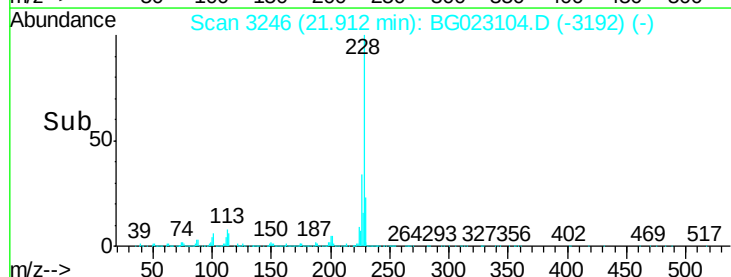
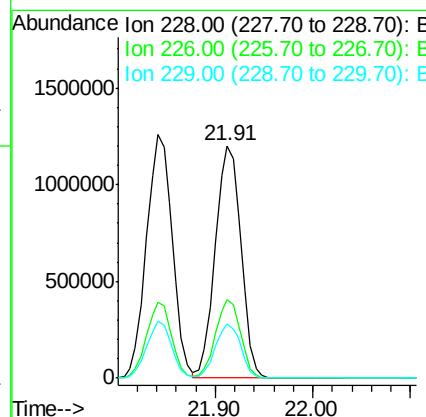
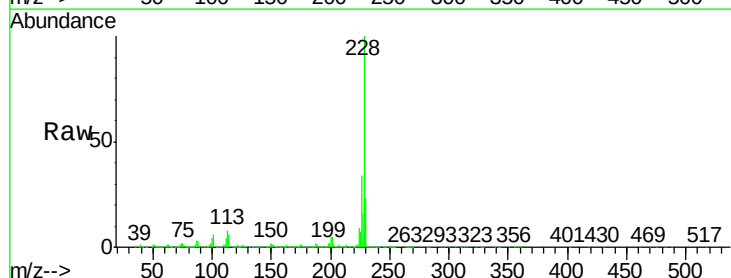
Manual Integrations

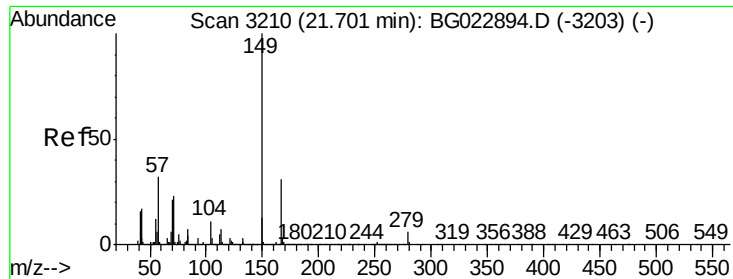
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#82
 Chrysene
 Concen: 41.23 ng
 RT: 21.91 min Scan# 3246
 Delta R.T. 0.02 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	26.7	40.1
229	23.5	17.4	26.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.63 ng

RT: 21.72 min Scan# 3213

Delta R.T. 0.02 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

Instrument :

BNA_G

ClientSampleId :

PB91968BS

Tot Ion:149 Resp: 1359720

Ion Ratio Lower Upper

149 100

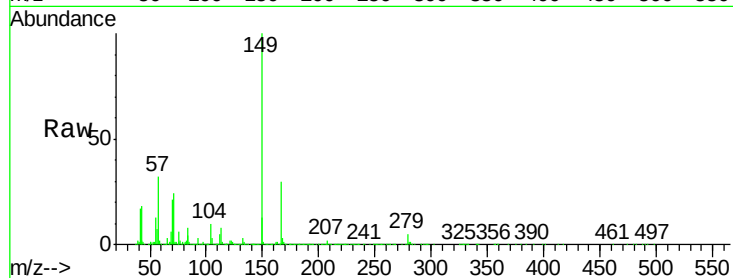
167 30.1 24.0 36.0

279 5.4 4.8 7.2

Manual Integrations

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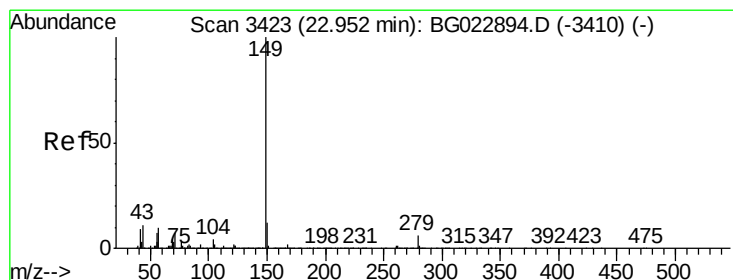
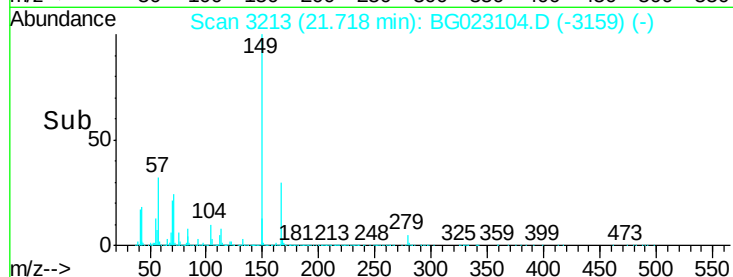
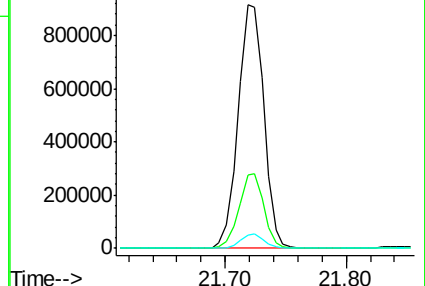
7/15/2016 9:14:22 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.56 ng

RT: 22.99 min Scan# 3429

Delta R.T. 0.04 min

Lab File: BG023104.D

Acq: 14 Jul 2016 16:52

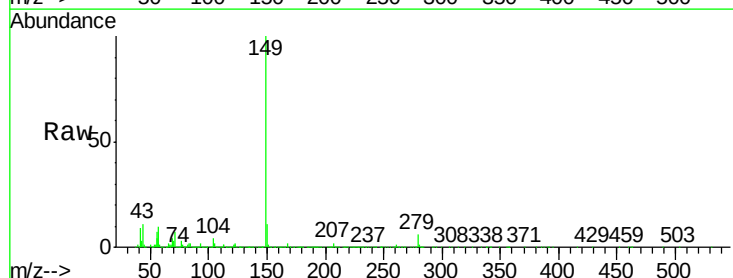
Tgt Ion:149 Resp: 2263937

Ion Ratio Lower Upper

149 100

167 1.9 1.5 2.3

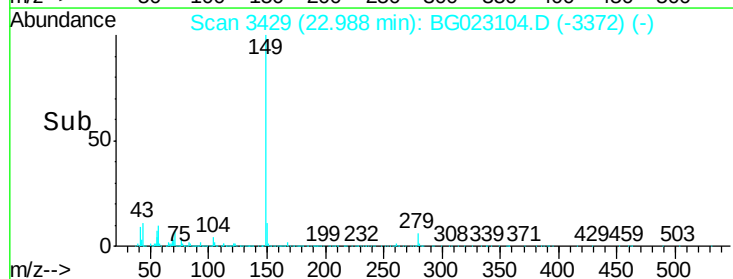
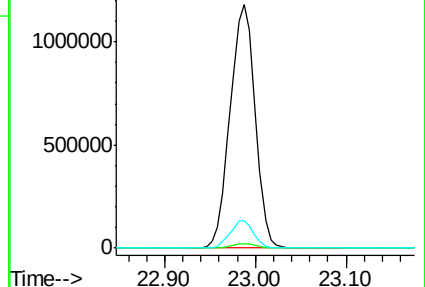
43 10.5 8.8 13.2

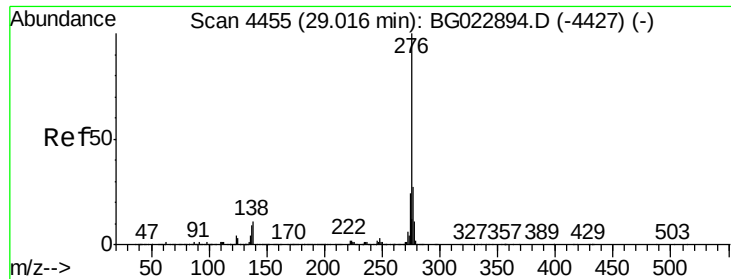


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





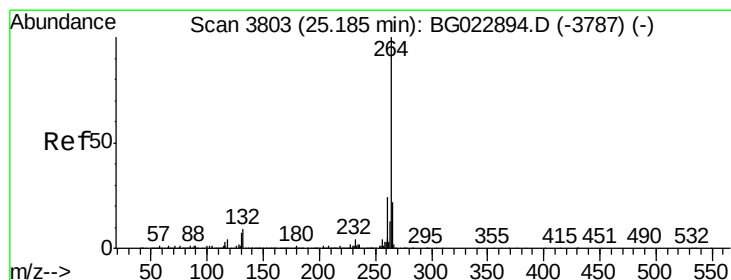
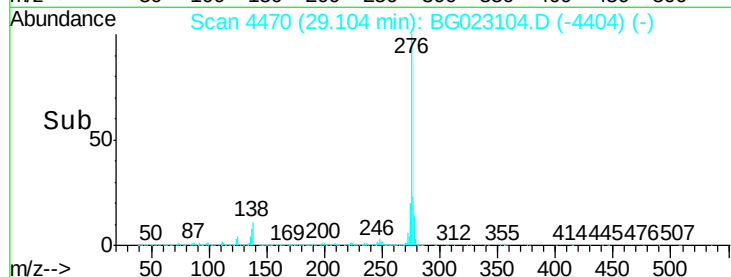
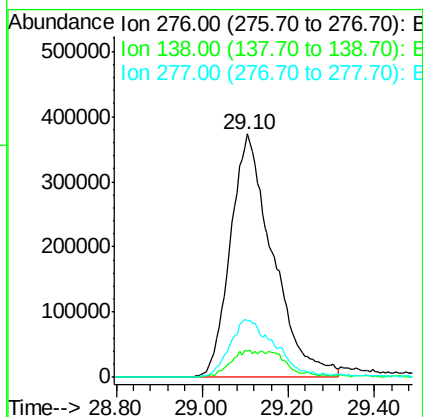
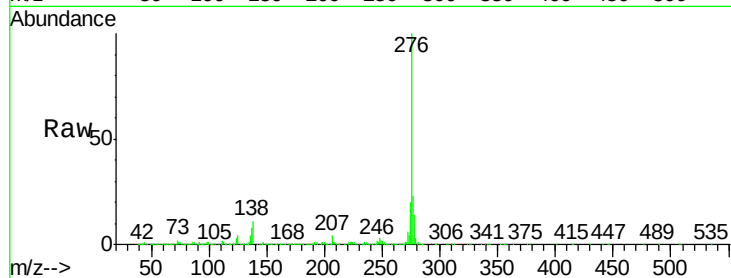
#85
Indeno(1,2,3-cd)pyrene
Concen: 37.92 ng
RT: 29.10 min Scan# 4470
Delta R.T. 0.09 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion:276 Resp: 2558440
Ion Ratio Lower Upper
276 100
138 6.7 0.0 0.0#
277 25.4 0.0 0.0#

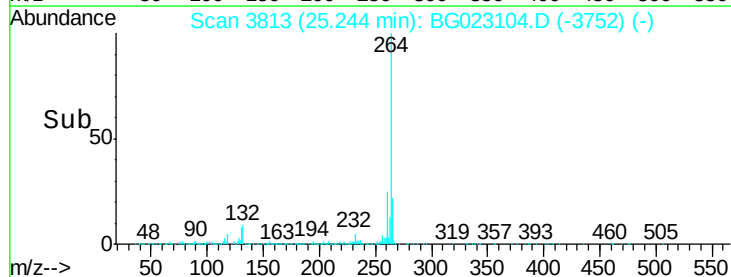
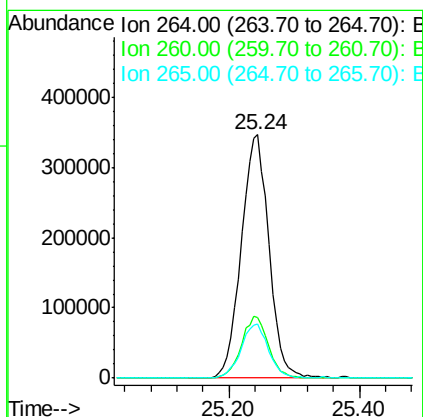
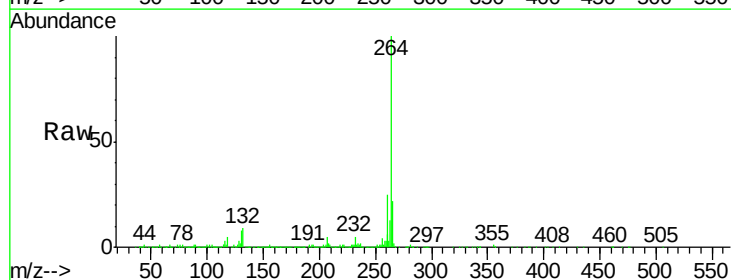
Manual Integrations

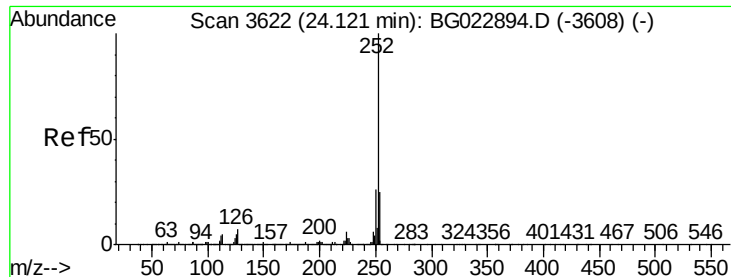
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.24 min Scan# 3813
Delta R.T. 0.06 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:264 Resp: 1021104
Ion Ratio Lower Upper
264 100
260 24.9 18.4 27.6
265 22.2 18.9 28.3





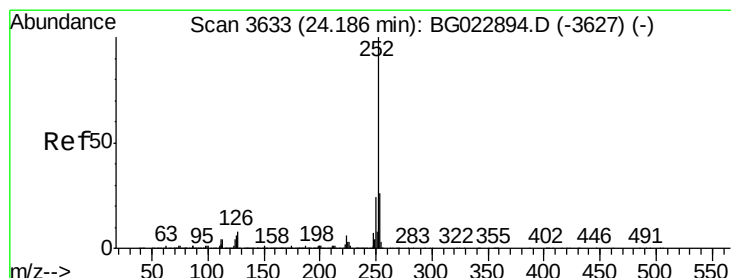
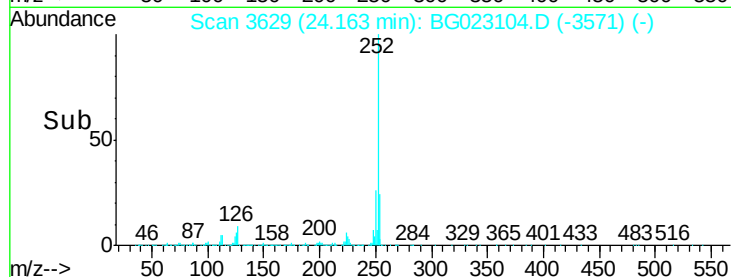
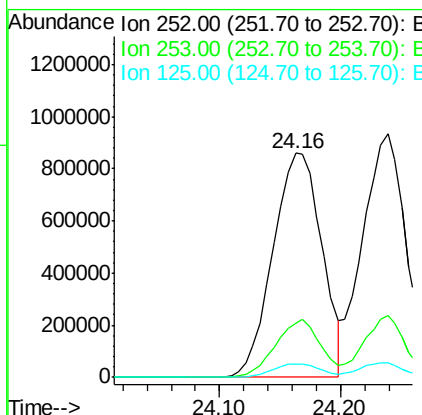
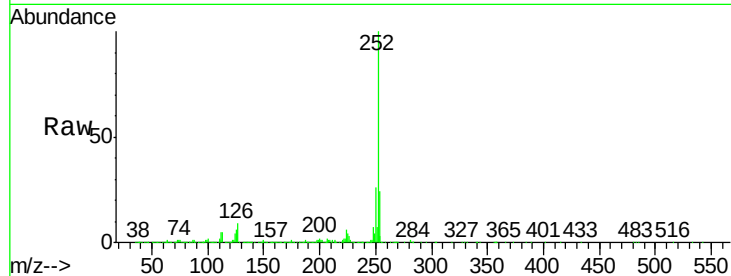
#87
Benzo(b)fluoranthene
Concen: 40.87 ng
RT: 24.16 min Scan# 3629
Delta R.T. 0.04 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion:252 Resp: 2407817
Ion Ratio Lower Upper
252 100
253 24.4 18.9 28.3
125 5.9 3.9 5.9

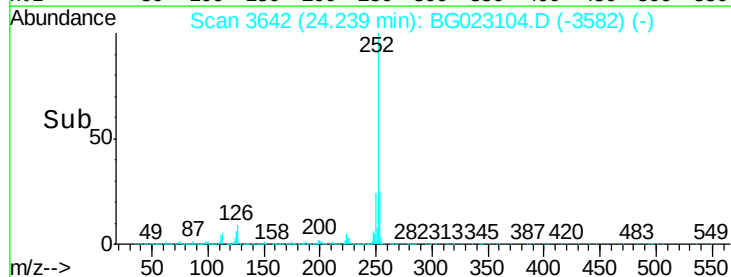
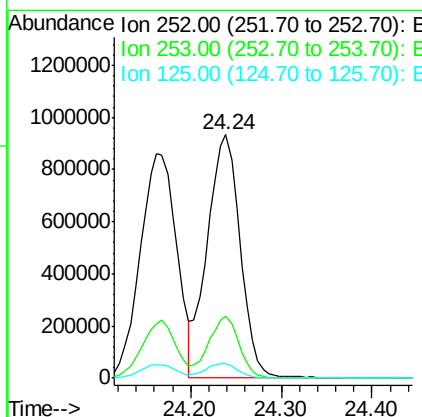
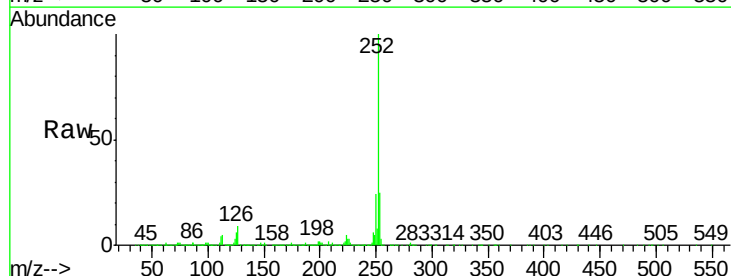
Manual Integrations

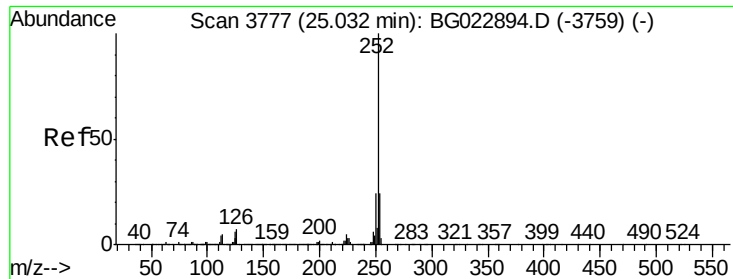
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#88
Benzo(k)fluoranthene
Concen: 42.05 ng
RT: 24.24 min Scan# 3642
Delta R.T. 0.05 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:252 Resp: 2350615
Ion Ratio Lower Upper
252 100
253 25.4 18.8 28.2
125 6.2 3.2 4.8#





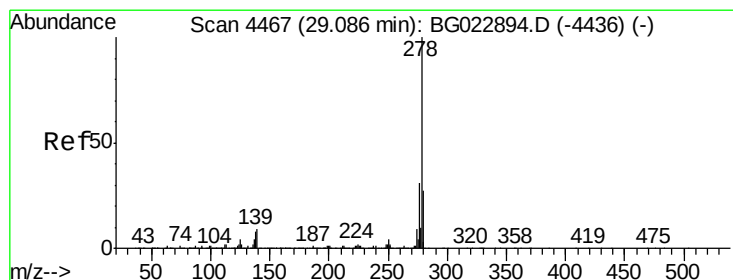
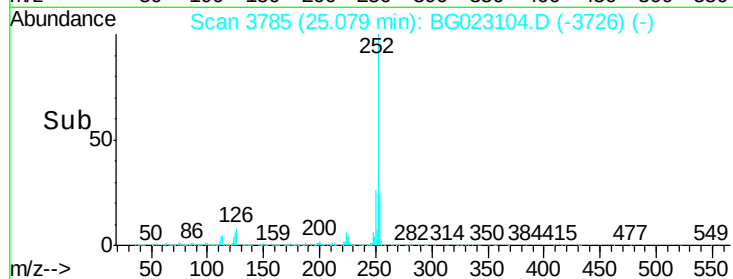
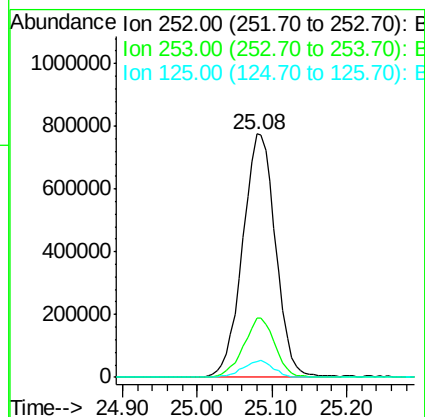
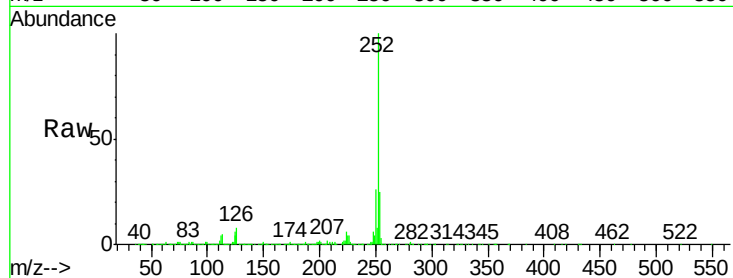
#89
Benzo(a)pyrene
Concen: 41.97 ng
RT: 25.08 min Scan# 3785
Delta R.T. 0.05 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Instrument :
BNA_G
ClientSampleId :
PB91968BS

Tot Ion:252 Resp: 2370002
Ion Ratio Lower Upper
252 100
253 24.5 18.7 28.1
125 6.5 3.9 5.9#

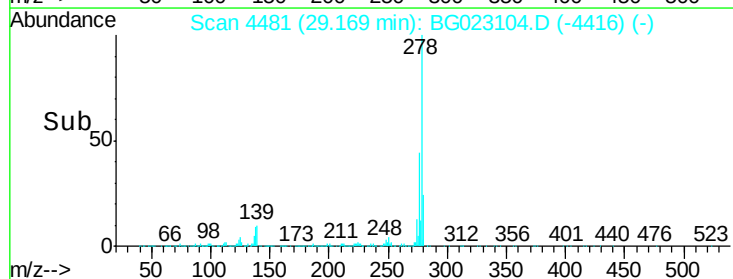
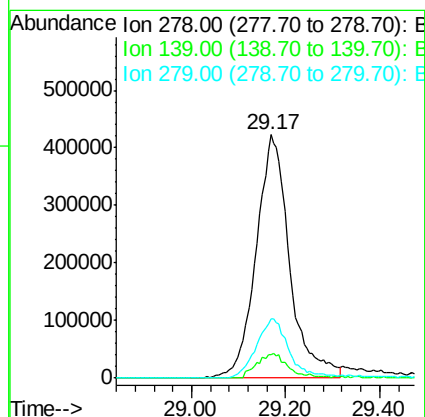
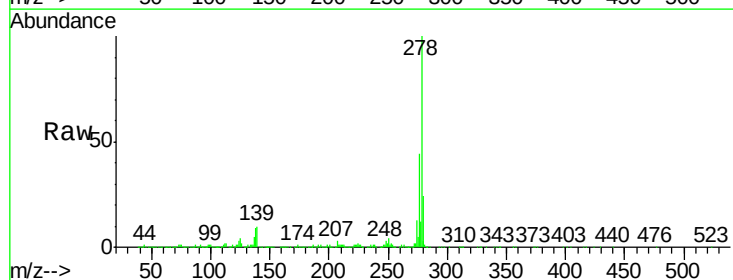
Manual Integrations

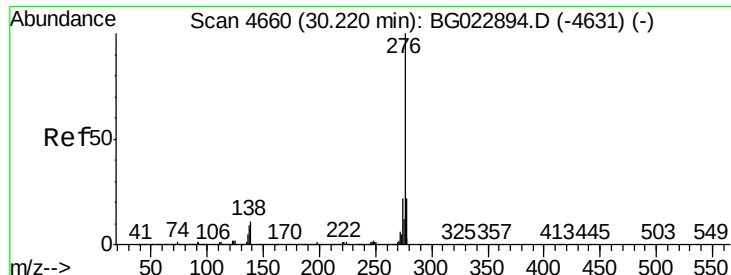
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#90
Dibenzo(a,h)anthracene
Concen: 37.49 ng
RT: 29.17 min Scan# 4481
Delta R.T. 0.08 min
Lab File: BG023104.D
Acq: 14 Jul 2016 16:52

Tgt Ion:278 Resp: 2101080
Ion Ratio Lower Upper
278 100
139 9.5 4.7 7.1#
279 24.5 18.3 27.5





#91
 Benzo(a,h,i)perylene
 Concen: 35.29 ng
 RT: 30.32 min Scan# 4677
 Delta R.T. 0.10 min
 Lab File: BG023104.D
 Acq: 14 Jul 2016 16:52

Instrument :
 BNA_G
 ClientSampleId :
 PB91968BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	27.8
138	12.0	6.8	10.2

Manual Integrations

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