

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
 Data File : BG023263.D
 Acq On : 25 Jul 2016 22:40
 Operator : UM/SJ
 Sample : MDL-06-S-ML
 Misc : MDL 4PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-06-S-ML

Manual Integrations

APPROVED
 SOHIL
 7/26/2016 11:41:15 AM

Quant Time: Jul 26 10:35:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 21 04:24:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	167970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	803248	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	548528	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	1238264	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1283109	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	1270942	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	10987	2.96	ng/uL	0.00
5) Phenol-d5	7.29	99	671803	38.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	517514	45.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	326663	28.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.84	113	356885	26.49	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	184412	28.70	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	205218	27.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	351536	24.92	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	502098	34.38	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1349032	29.58	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1554485	29.99	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	214834	26.69	ng/ul	0.00
57) Fluorene-d10	15.81	176	1215415	29.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	237979	27.93	ng/ul	0.00
70) Anthracene-d10	17.67	188	1830430	31.58	ng/ul	0.00
76) Pyrene-d10	19.96	212	2057485	31.07	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1930253	32.35	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.54	88	2863m	0.72	ng/uL
4) Benzaldehyde	7.27	77	43296	4.03	ng/ul
6) Phenol	7.31	94	61043	3.39	ng/ul#
8) Bis(2-Chloroethyl)ether	7.55	93	50840	3.75	ng/ul
10) 2-Chlorophenol	7.70	128	26925	2.25	ng/ul#
11) 2-Methylphenol	8.59	108	27529	2.07	ng/ul
12) 2,2'-oxybis(1-Chloropropan	8.67	45	44372	2.42	ng/ul
14) Acetophenone	8.97	105	54094	2.31	ng/ul#
15) N-Nitroso-di-n-propylamine	8.94	70	34937	2.26	ng/ul#
16) 4-Methylphenol	8.92	108	29033m	1.96	ng/ul
17) Hexachloroethane	9.23	117	13463	2.38	ng/ul
20) Nitrobenzene	9.36	77	49517	2.39	ng/ul#
21) Isophorone	9.88	82	87517	2.21	ng/ul#
23) 2-Nitrophenol	10.07	139	18578	2.32	ng/ul#
24) 2,4-Dimethylphenol	10.13	107	42785	2.33	ng/ul#
25) Bis(2-Chloroethoxy)methane	10.37	93	50223	2.30	ng/ul#
27) 2,4-Dichlorophenol	10.61	162	29150m	2.09	ng/ul
28) Naphthalene	11.03	128	102527	2.54	ng/ul#
30) 4-Chloroaniline	11.13	127	42500	2.82	ng/ul
31) Hexachlorobutadiene	11.31	225	25389	2.26	ng/ul
32) Caprolactam	11.92	113	11814m	2.04	ng/ul
33) 4-Chloro-3-methylphenol	12.26	107	34707m	1.89	ng/ul
34) 2-Methylnaphthalene	12.63	142	82974	2.48	ng/ul

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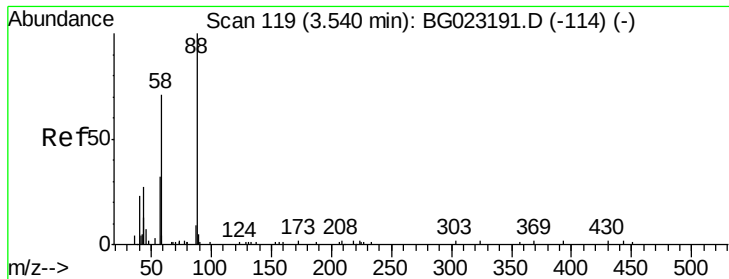
Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	45948	2.51	ng/ul	94
37) Hexachlorocyclopentadiene	12.98	237	20786	1.75	ng/ul	99
38) 2,4,6-Trichlorophenol	13.25	196	25003	1.97	ng/ul	90
39) 2,4,5-Trichlorophenol	13.32	196	25322m	1.96	ng/ul	
40) 1,1'-Biphenyl	13.64	154	109489	2.66	ng/ul#	93
41) 2-Chloronaphthalene	13.68	162	88920	2.68	ng/ul	100
42) 2-Nitroaniline	13.89	65	31439	2.13	ng/ul#	54
44) Dimethylphthalate	14.25	163	121253	2.62	ng/ul#	96
45) 2,6-Dinitrotoluene	14.38	165	23221	2.32	ng/ul#	82
47) Acenaphthylene	14.53	152	141938	2.70	ng/ul	94
48) 3-Nitroaniline	14.71	138	19838	2.32	ng/ul#	47
49) Acenaphthene	14.87	153	91733	2.59	ng/ul	95
50) 2,4-Dinitrophenol	14.93	184	7855	1.25	ng/ul	92
52) 4-Nitrophenol	15.03	109	17241	1.80	ng/ul#	41
53) Dibenzofuran	15.21	168	140169	2.68	ng/ul#	83
54) 2,4-Dinitrotoluene	15.17	165	34216	2.24	ng/ul#	66
55) 2,3,4,6-Tetrachlorophenol	15.44	232	25303	1.94	ng/ul#	94
56) Diethylphthalate	15.61	149	124209	2.53	ng/ul	99
58) Fluorene	15.86	166	113860	2.64	ng/ul#	95
59) 4-Chlorophenyl-phenylether	15.85	204	57043	2.41	ng/ul#	88
60) 4-Nitroaniline	15.88	138	26770	2.54	ng/ul#	49
63) 4,6-Dinitro-2-methylphenol	15.94	198	21040	2.34	ng/ul#	45
64) N-Nitrosodiphenylamine	16.06	169	94212	2.63	ng/ul	97
65) 4-Bromophenyl-phenylether	16.75	248	35461	2.49	ng/ul	96
66) Hexachlorobenzene	16.87	284	37289	2.56	ng/ul	93
67) Atrazine	17.02	200	35687	2.34	ng/ul	98
68) Pentachlorophenol	17.22	266	14515	1.60	ng/ul#	83
69) Phenanthrene	17.62	178	193923	3.04	ng/ul	98
71) Anthracene	17.70	178	201782	3.02	ng/ul	96
72) Carbazole	17.98	167	158522	3.01	ng/ul	98
73) Di-n-butylphthalate	18.52	149	205360	2.82	ng/ul#	96
74) Fluoranthene	19.63	202	225097	3.36	ng/ul#	90
77) Pyrene	19.99	202	240329	3.08	ng/ul#	92
78) Butylbenzylphthalate	20.87	149	81366	2.40	ng/ul#	77
79) 3,3'-Dichlorobenzidine	21.78	252	59344	2.32	ng/ul	97
80) Benzo(a)anthracene	21.87	228	220153	2.89	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.75	149	121349	2.62	ng/ul#	95
82) Chrysene	21.94	228	207258m	3.00	ng/ul	
84) Di-n-octyl phthalate	23.03	149	199919	2.84	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	203721	2.63	ng/ul#	94
86) Benzo(k)fluoranthene	24.27	252	209877	2.86	ng/ul#	93
88) Benzo(a)pyrene	25.13	252	208857	2.83	ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	29.19	276	209706m	2.53	ng/ul	
90) Dibenzo(a,h)anthracene	29.26	278	168641m	2.47	ng/ul	
91) Benzo(g,h,i)perylene	30.40	276	177143m	2.58	ng/ul	

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



#2

1,4-Dioxane

Concen: 0.72 ng/uL m

RT: 3.54 min Scan# 119

Delta R.T. -0.00 min

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BNA_G

ClientSampleId :

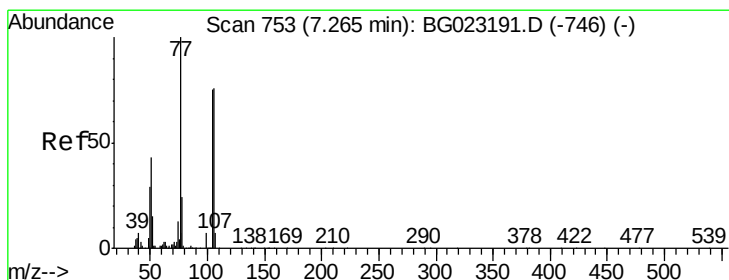
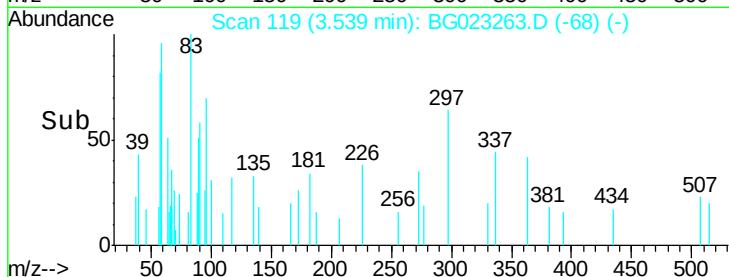
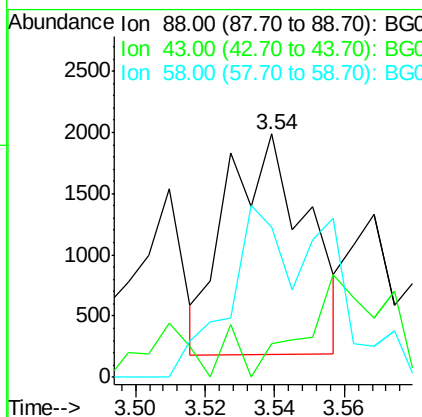
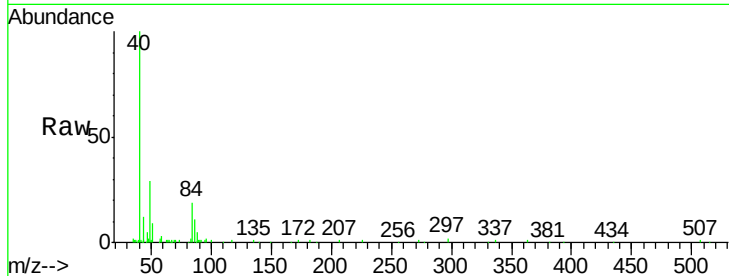
MDL-06-S-ML

Tgt Ion:	88	Resp:	2863
Ion	Ratio	Lower	Upper
88	100		
43	14.0	16.6	24.8#
58	61.8	47.2	70.8

Manual Integrations

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7/26/2016 11:41:15 AM



#4

Benzaldehyde

Concen: 4.03 ng/uL

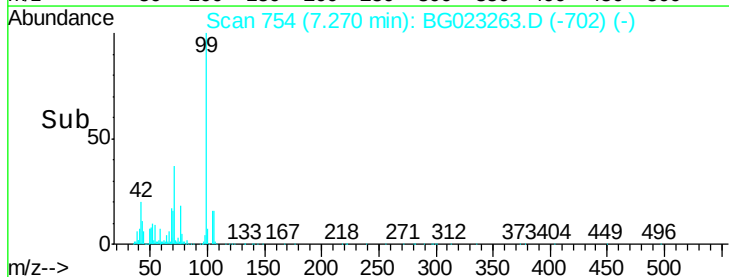
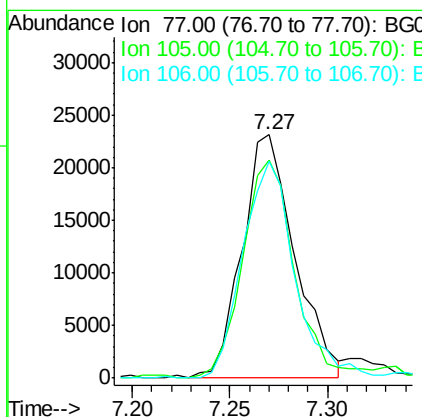
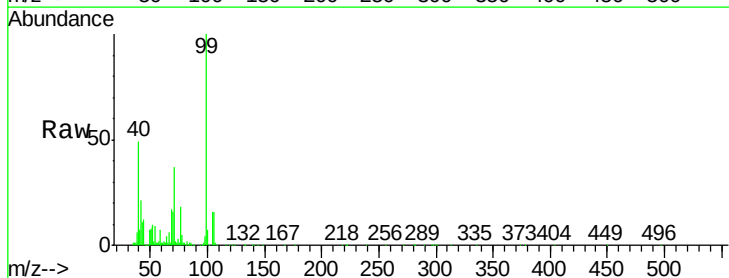
RT: 7.27 min Scan# 754

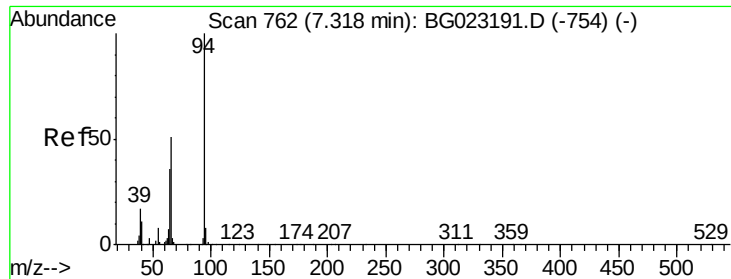
Delta R.T. 0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	77	Resp:	43296
Ion	Ratio	Lower	Upper
77	100		
105	89.4	83.8	125.8
106	89.0	77.9	116.9





#6

Phenol

Concen: 3.39 ng/ul

RT: 7.31 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG023263.D

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BNA_G

ClientSampleId :

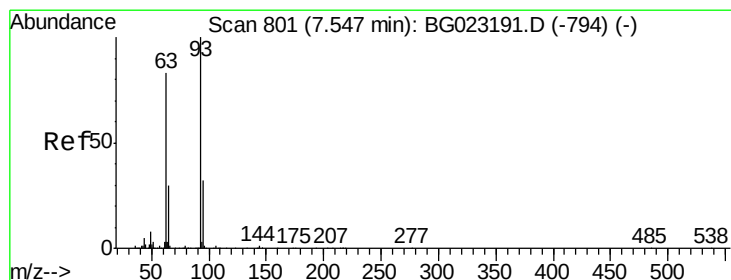
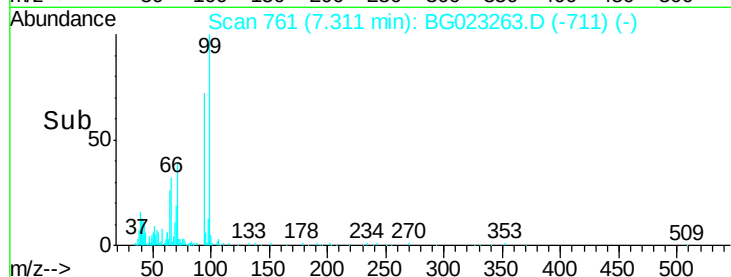
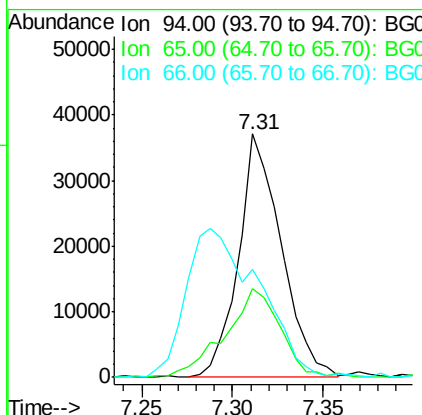
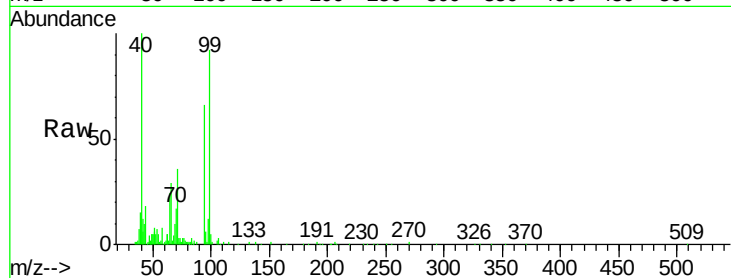
MDL-06-S-ML

Tgt Ion:	94	Resp:	61043
Ion	Ratio	Lower	Upper
94	100		
65	36.6	16.8	25.2#
66	44.6	22.6	33.8#

Manual Integrations

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7/26/2016 11:41:15 AM



#8

Bis(2-Chloroethyl)ether

Concen: 3.75 ng/ul

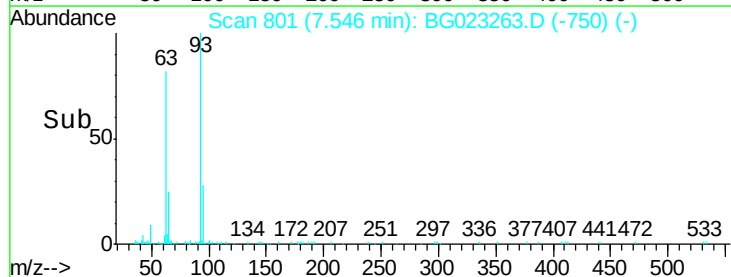
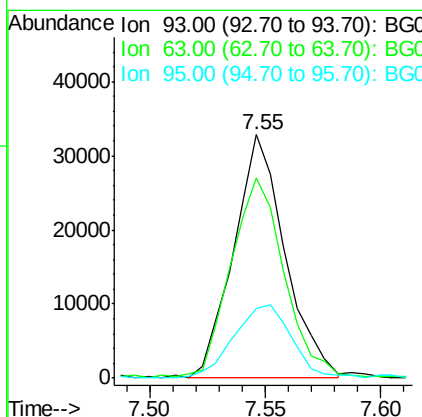
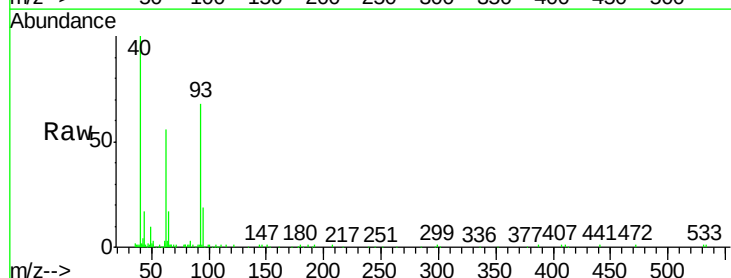
RT: 7.55 min Scan# 801

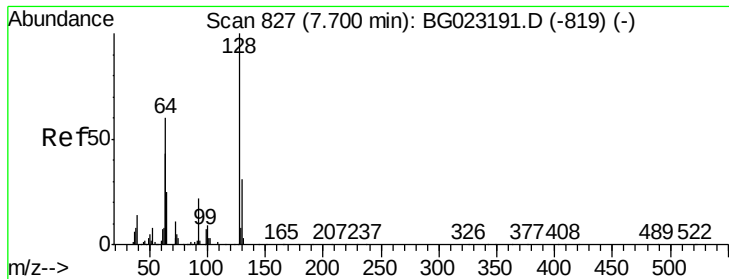
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	93	Resp:	50840
Ion	Ratio	Lower	Upper
93	100		
63	82.0	56.0	84.0
95	28.4	27.7	41.5





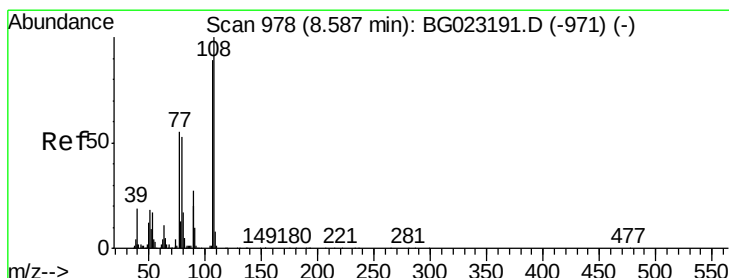
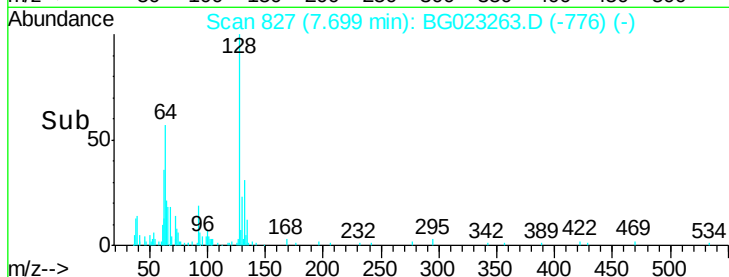
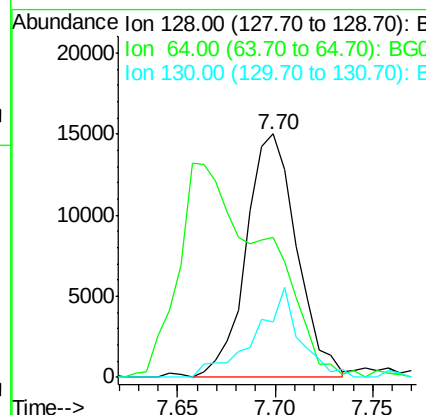
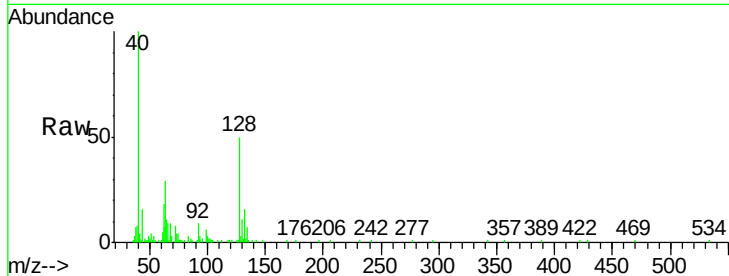
#10
2-Chlorophenol
Concen: 2.25 ng/ul
RT: 7.70 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

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BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
128	100		
64	57.5	34.2	51.4#
130	22.9	27.0	40.4#

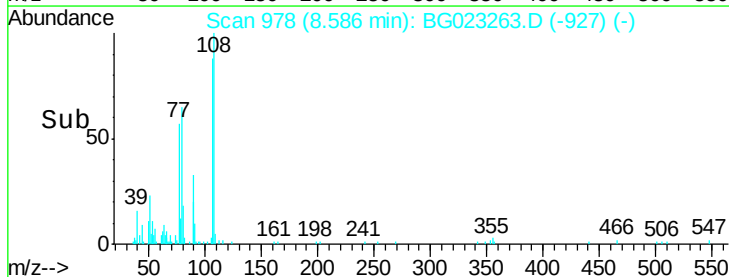
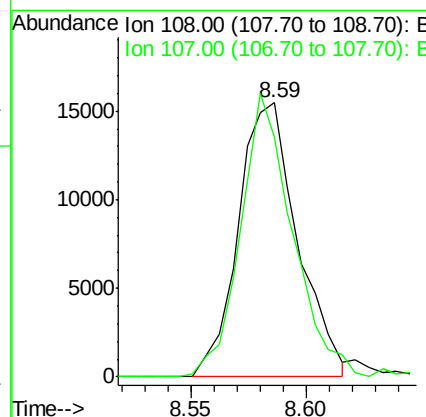
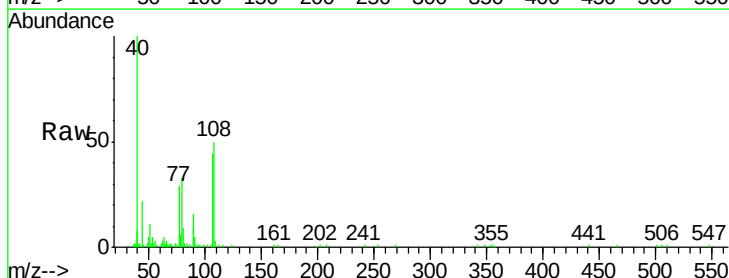
Manual Integrations

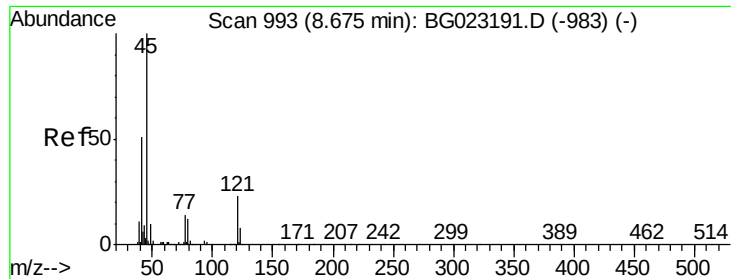
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7/26/2016 11:41:15 AM



#11
2-Methylphenol
Concen: 2.07 ng/ul
RT: 8.59 min Scan# 978
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
108	100		
107	87.8	78.6	117.8





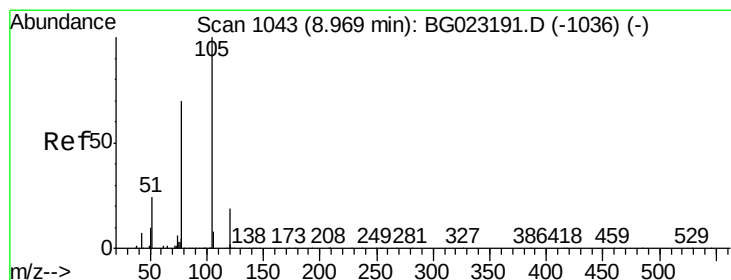
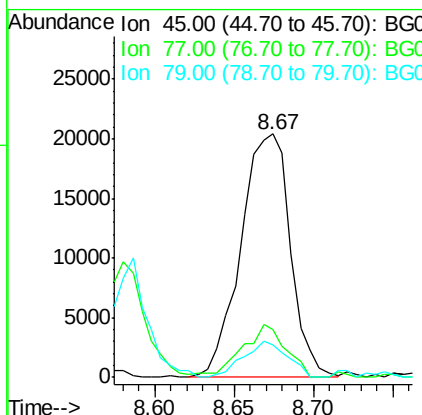
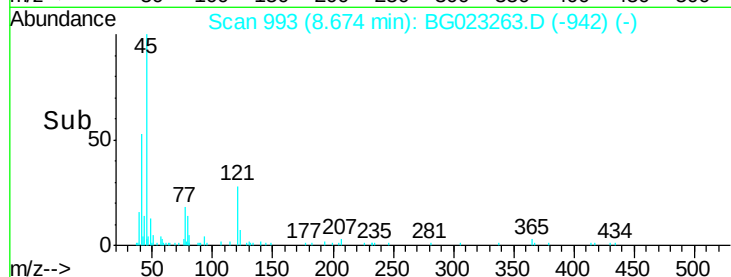
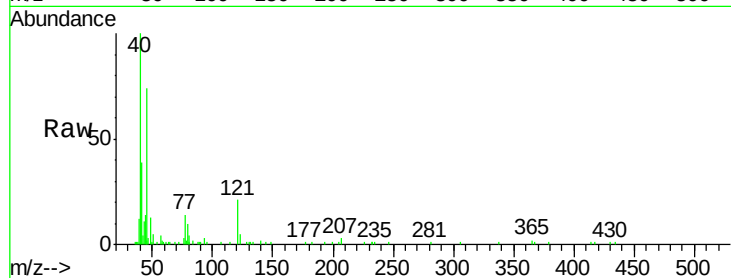
#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.42 ng/ul
RT: 8.67 min Scan# 993
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

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BNA_G
ClientSampled :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.6	13.4	20.2
79	13.5	10.2	15.4

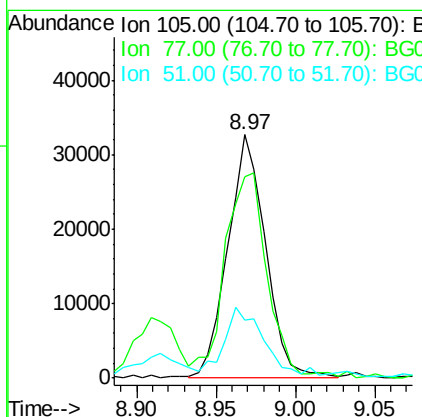
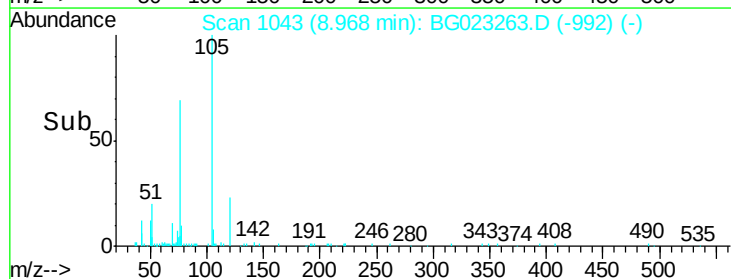
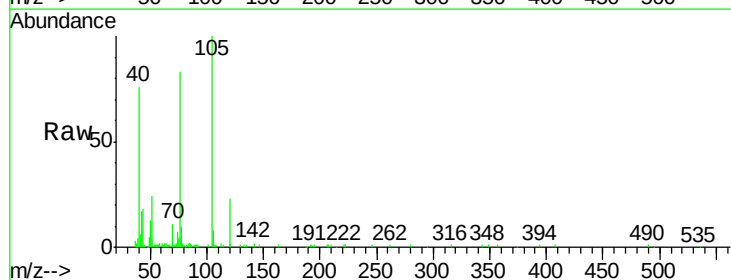
Manual Integrations

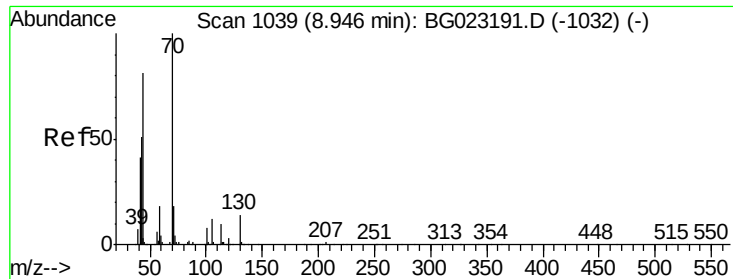
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7/26/2016 11:41:15 AM



#14
Acetophenone
Concen: 2.31 ng/ul
RT: 8.97 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
105	100		
77	82.7	56.1	84.1
51	23.7	14.6	22.0





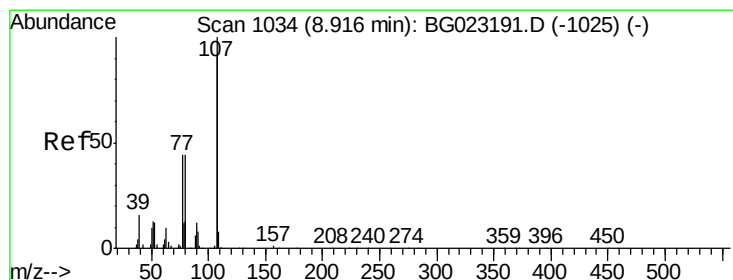
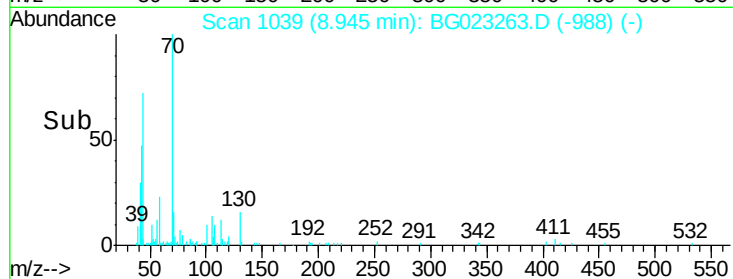
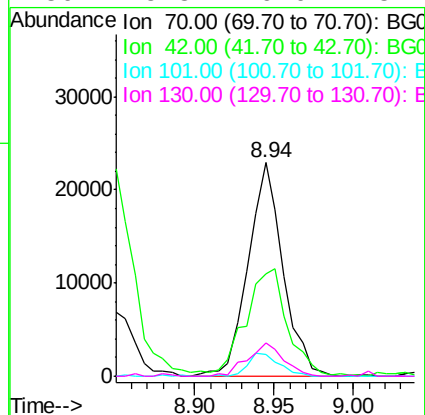
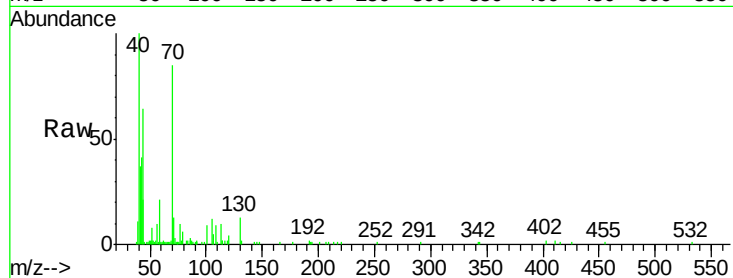
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N-Nitroso-di-n-propylamine
Concen: 2.26 ng/ul
RT: 8.94 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG023263.D
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Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	47.9	31.4	47.2#	
101	10.2	8.6	13.0	
130	15.8	19.0	28.4#	

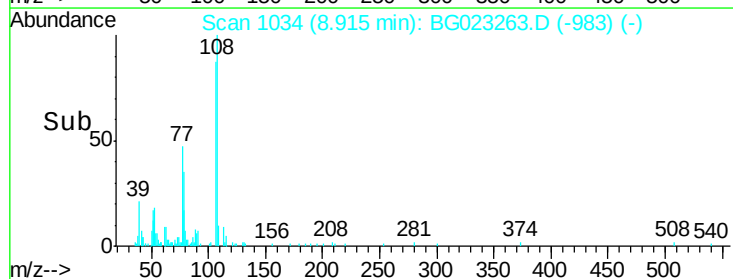
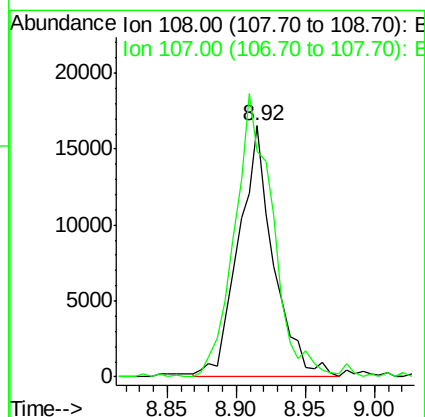
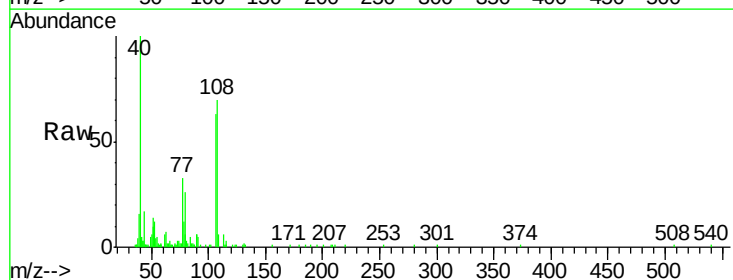
Manual Integrations

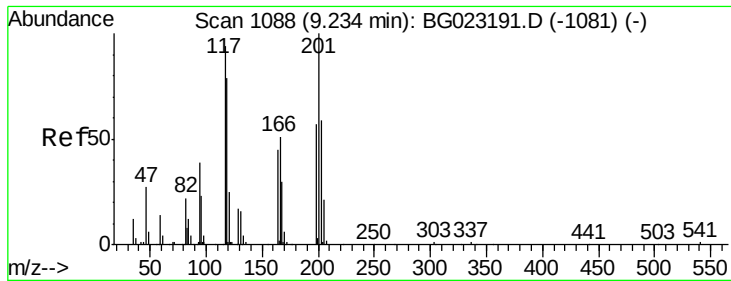
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#16
4-Methylphenol
Concen: 1.96 ng/ul m
RT: 8.92 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	90.2	88.3	132.5	





#17

Hexachloroethane

Concen: 2.38 ng/ul

RT: 9.23 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

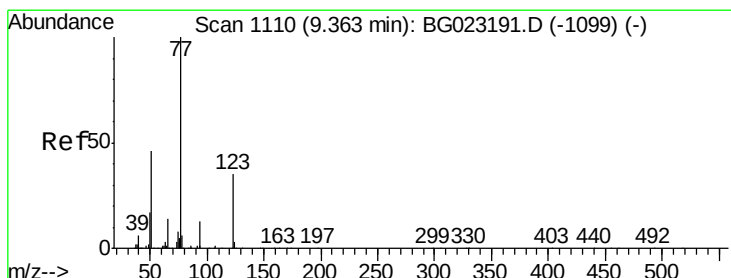
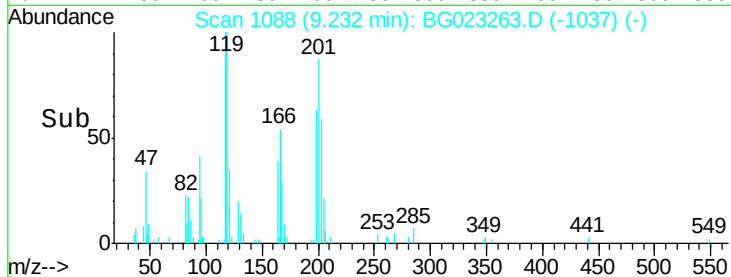
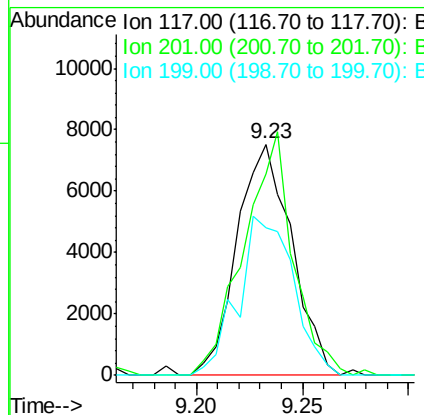
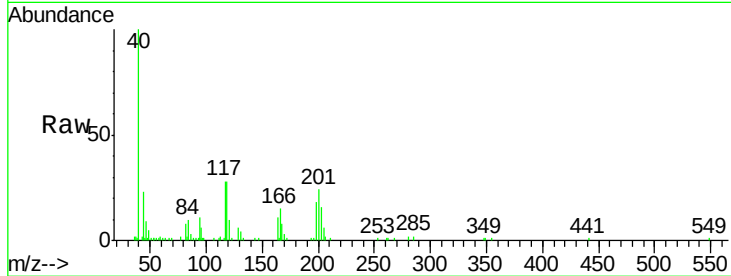
MDL-06-S-ML

Tgt Ion:	117	Resp:	13463
Ion Ratio	Lower	Upper	
117	100		
201	87.0	76.8	115.2
199	63.7	43.5	65.3

Manual Integrations

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7/26/2016 11:41:15 AM



#20

Nitrobenzene

Concen: 2.39 ng/ul

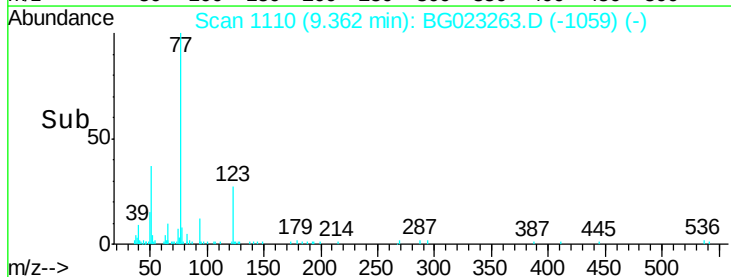
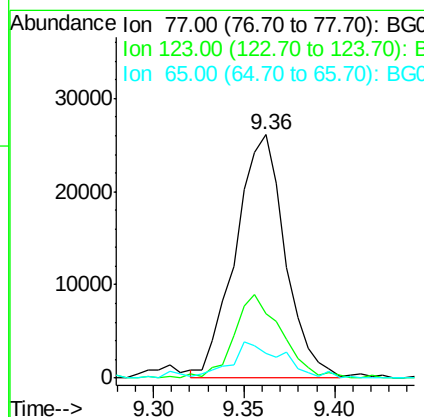
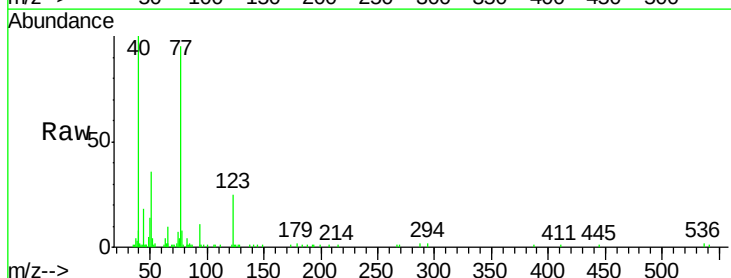
RT: 9.36 min Scan# 1110

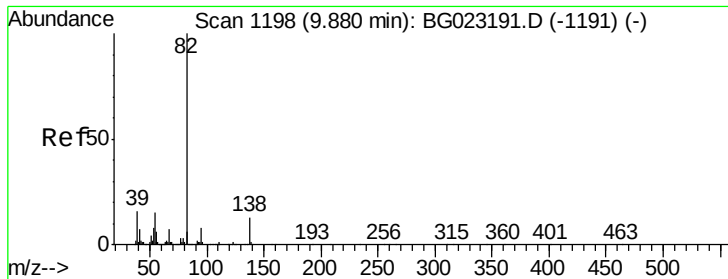
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	77	Resp:	49517
Ion Ratio	Lower	Upper	
77	100		
123	26.6	39.5	59.3#
65	10.2	9.0	13.4





#21

Isophorone

Concen: 2.21 ng/ul

RT: 9.88 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

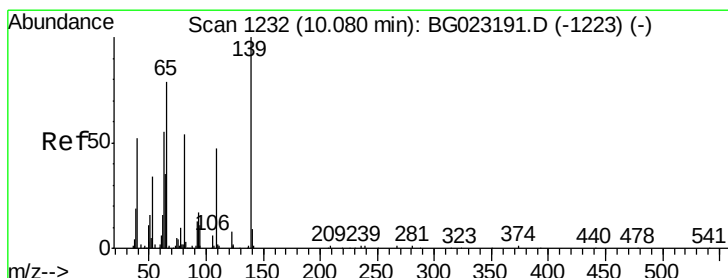
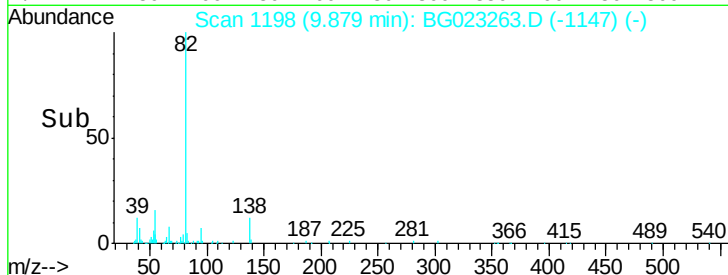
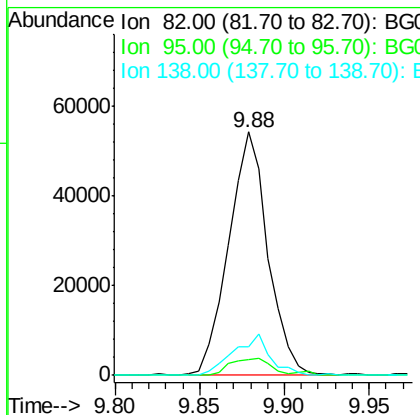
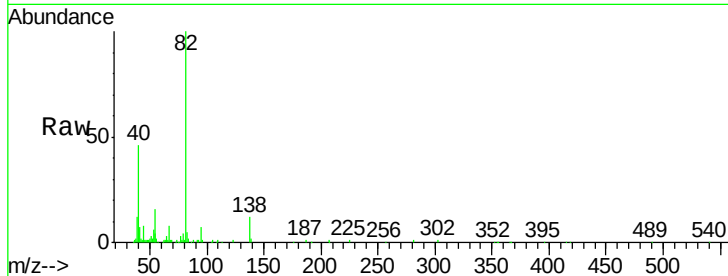
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	12.0	15.0	22.6#

Manual Integrations

SOHIL

7/26/2016 11:41:15 AM



#23

2-Nitrophenol

Concen: 2.32 ng/ul

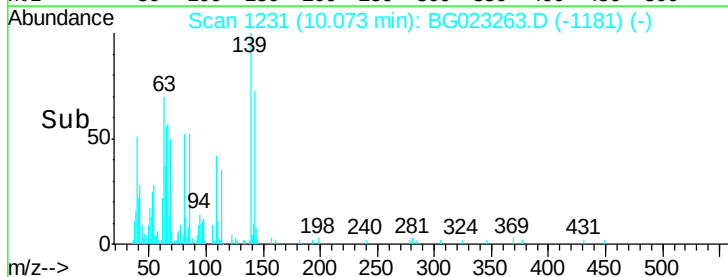
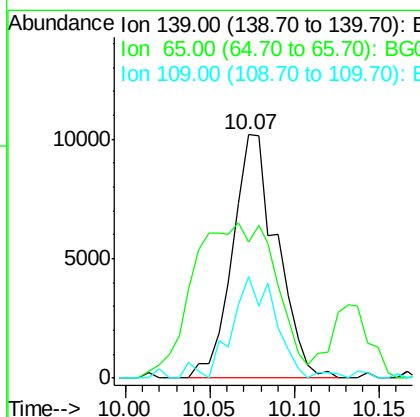
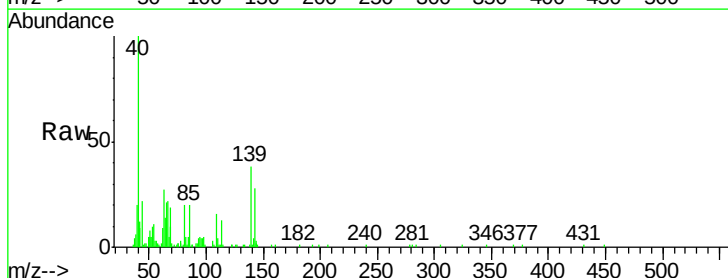
RT: 10.07 min Scan# 1231

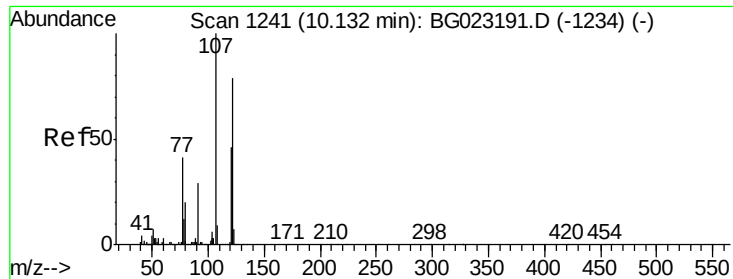
Delta R.T. -0.01 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
139	100		
65	55.9	31.8	47.8#
109	42.0	17.1	25.7#





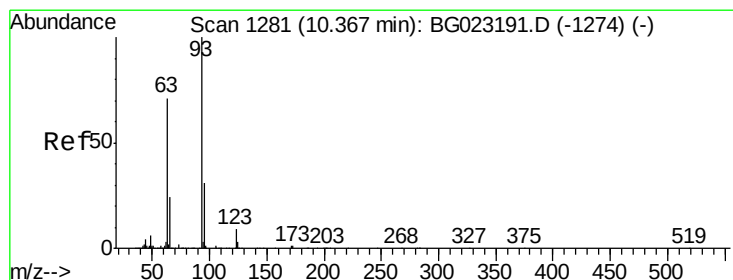
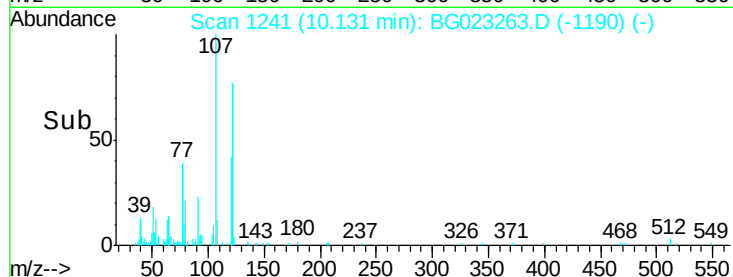
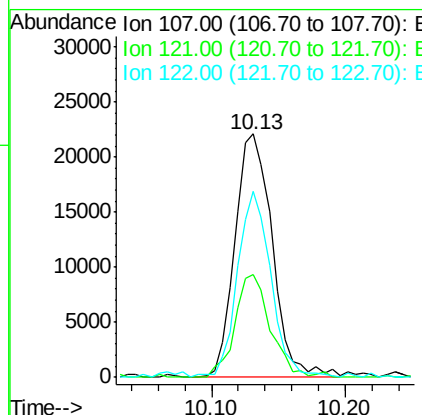
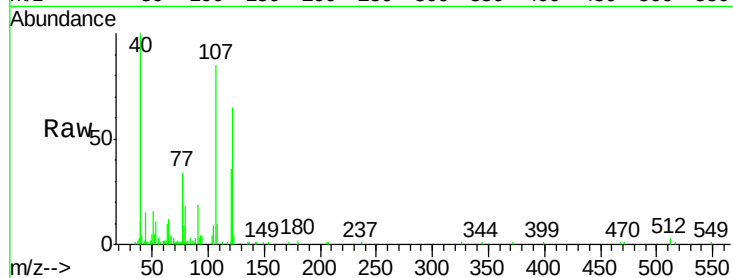
#24
2,4-Dimethylphenol
Concen: 2.33 ng/ul
RT: 10.13 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion: 107 Resp: 42785
Ion Ratio Lower Upper
107 100
121 42.0 43.7 65.5#
122 76.6 70.3 105.5

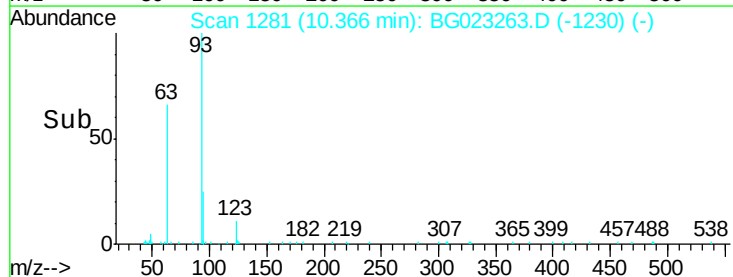
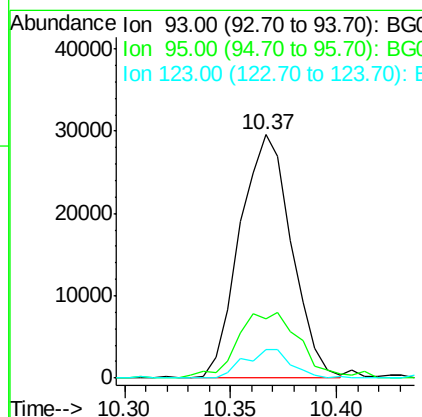
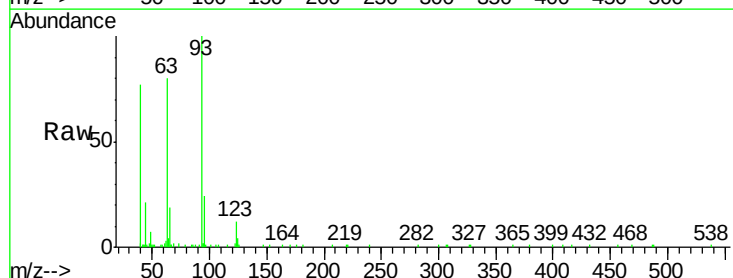
Manual Integrations

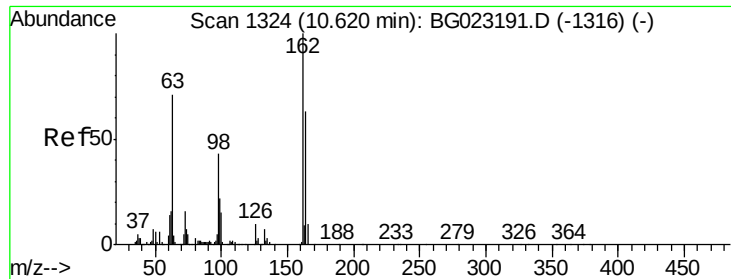
SOHIL
7/26/2016 11:41:15 AM



#25
Bis(2-Chloroethoxy)methane
Concen: 2.30 ng/ul
RT: 10.37 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion: 93 Resp: 50223
Ion Ratio Lower Upper
93 100
95 24.4 26.0 39.0#
123 12.0 10.1 15.1





#27

2,4-Dichlorophenol

Concen: 2.09 ng/ul m

RT: 10.61 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

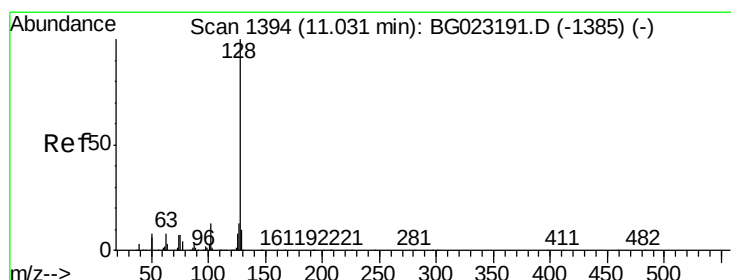
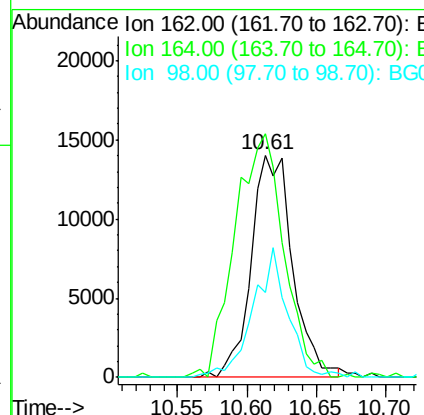
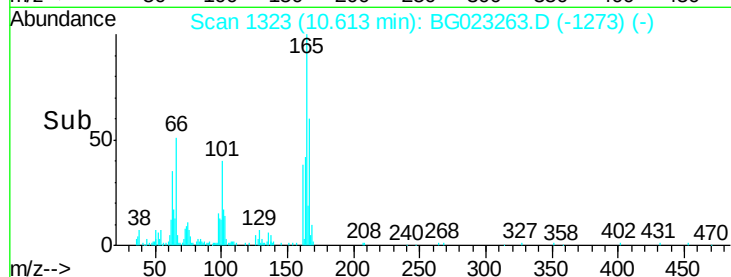
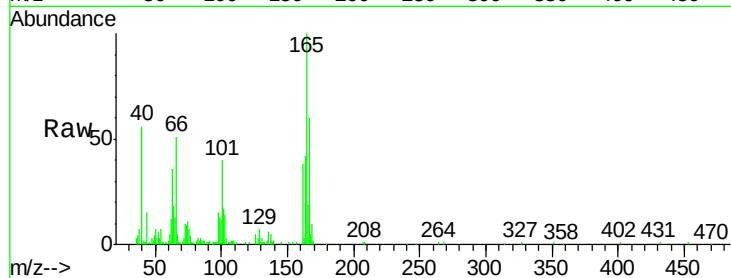
MDL-06-S-ML

Tgt Ion:	162	Resp:	29150
Ion Ratio	Lower	Upper	
162	100		
164	109.6	51.6	77.4#
98	38.3	28.3	42.5

Manual Integrations

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7/26/2016 11:41:15 AM



#28

Naphthalene

Concen: 2.54 ng/ul

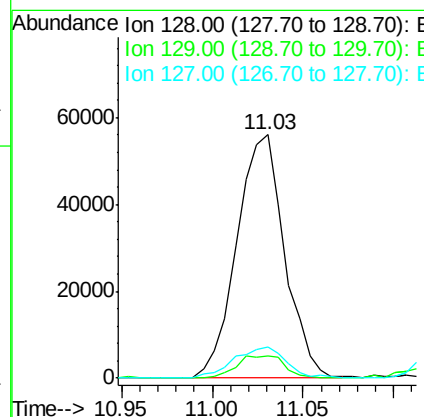
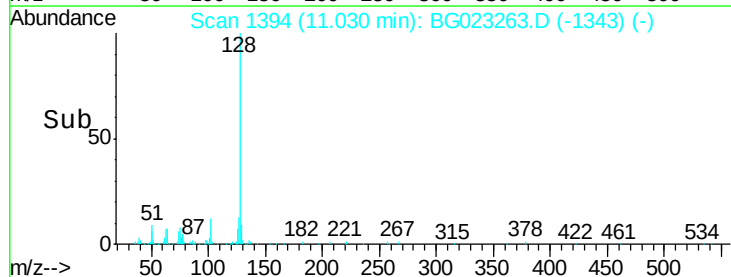
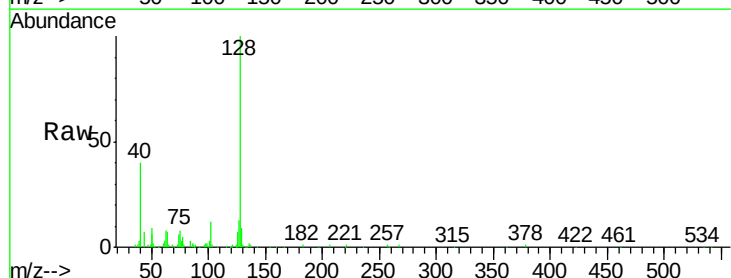
RT: 11.03 min Scan# 1394

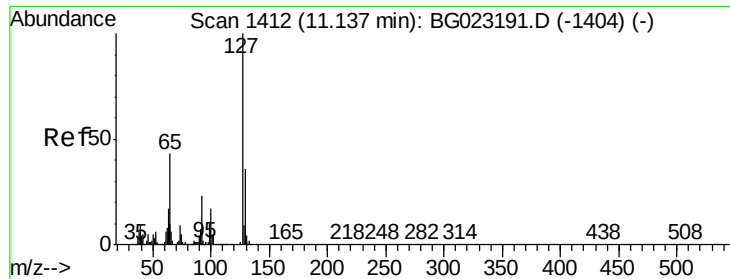
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	128	Resp:	102527
Ion Ratio	Lower	Upper	
128	100		
129	8.9	9.4	14.2#
127	12.7	11.2	16.8





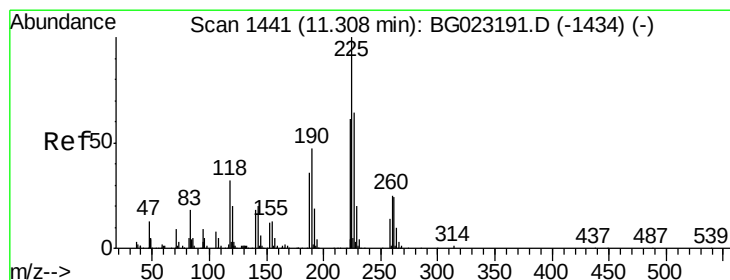
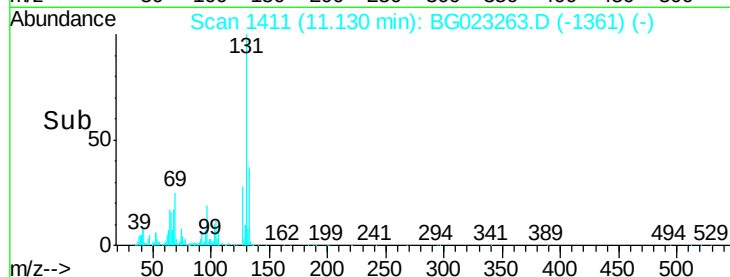
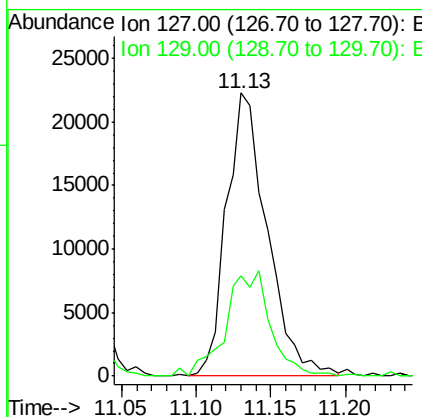
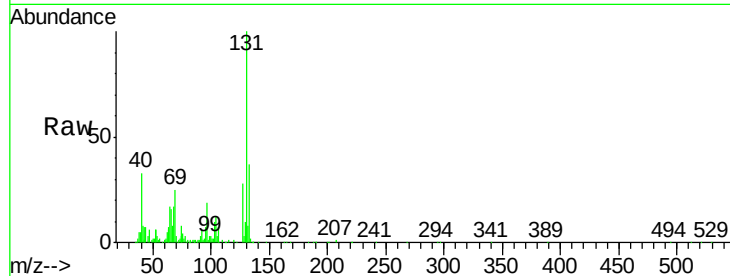
#30
4-Chloroaniline
Concen: 2.82 ng/ul
RT: 11.13 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion:127 Resp: 42500
Ion Ratio Lower Upper
127 100
129 35.5 26.9 40.3

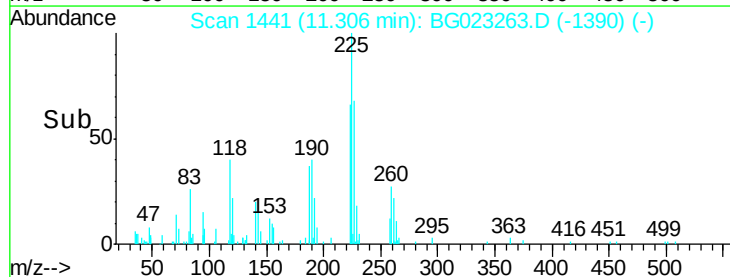
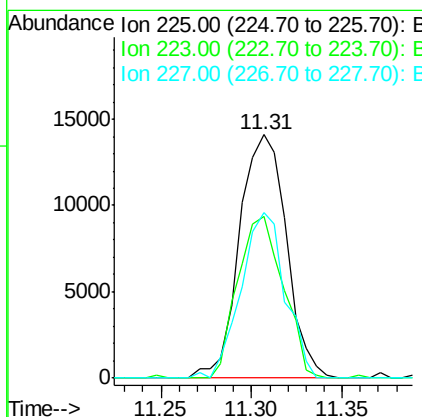
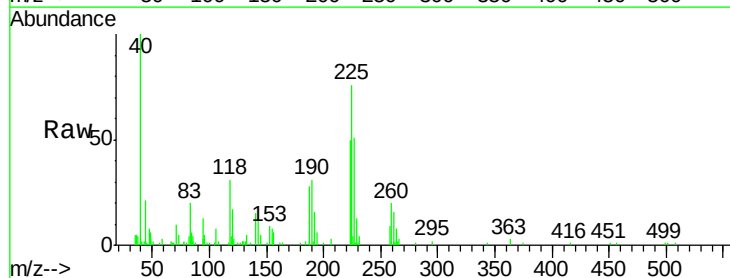
Manual Integrations

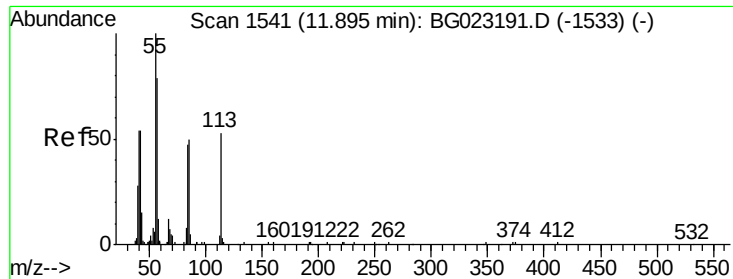
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7/26/2016 11:41:15 AM



#31
Hexachlorobutadiene
Concen: 2.26 ng/ul
RT: 11.31 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion:225 Resp: 25389
Ion Ratio Lower Upper
225 100
223 63.2 54.7 82.1
227 65.0 52.2 78.4





#32

Caprolactam

Concen: 2.04 ng/ul m

RT: 11.92 min Scan# 1545

Delta R.T. 0.02 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

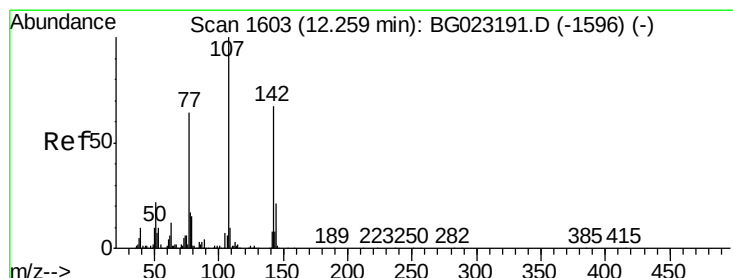
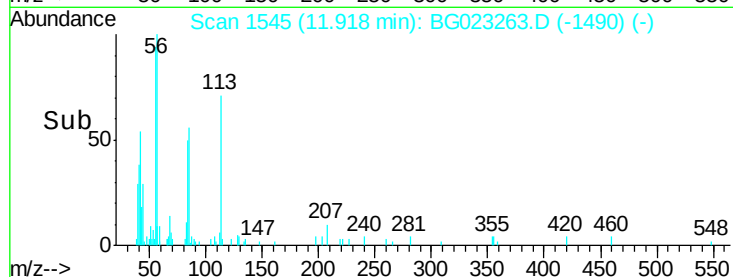
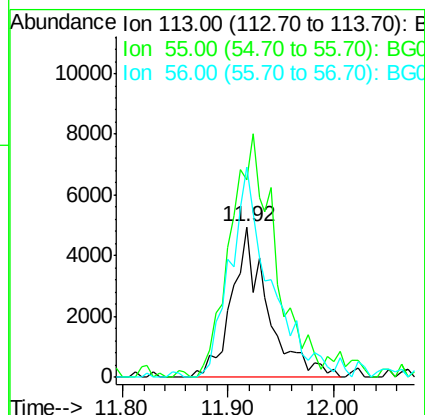
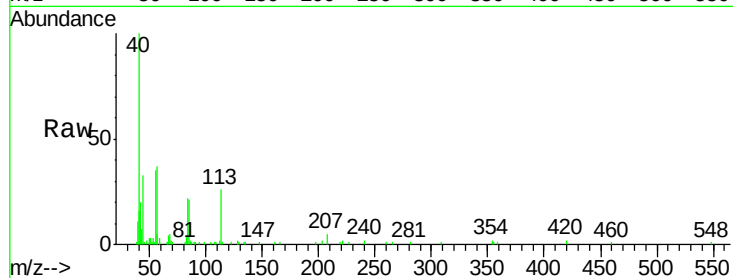
MDL-06-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	11814		
55	131.1	99.6	149.4	
56	140.0	66.4	99.6	

Manual Integrations

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7/26/2016 11:41:15 AM



#33

4-Chloro-3-methylphenol

Concen: 1.89 ng/ul m

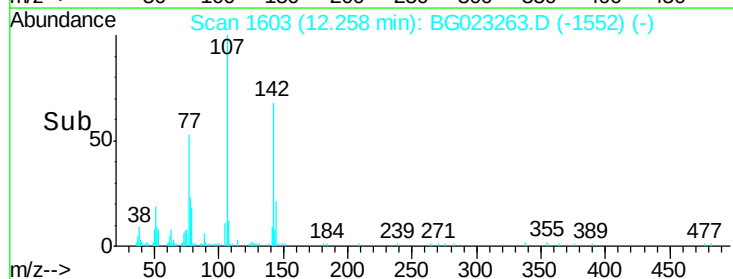
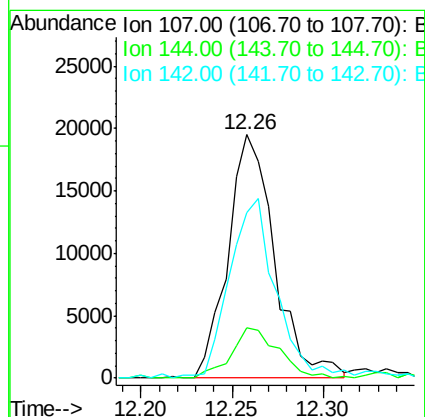
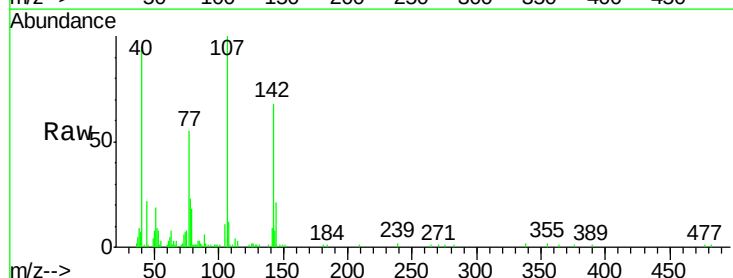
RT: 12.26 min Scan# 1603

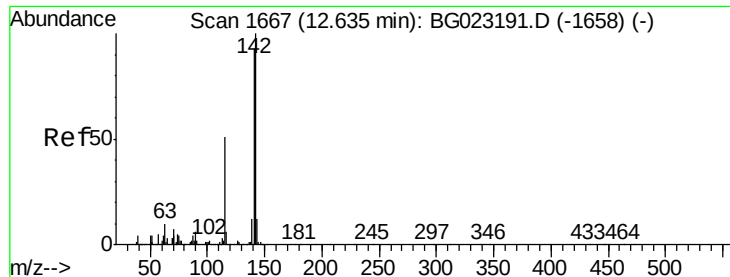
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	34707		
144	20.8	22.7	34.1	
142	68.0	71.6	107.4	





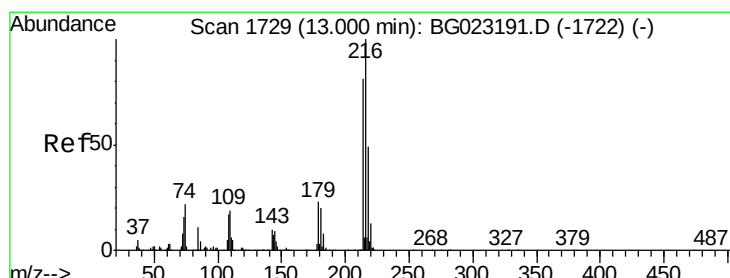
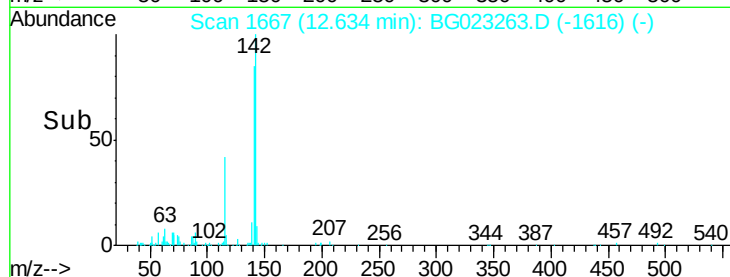
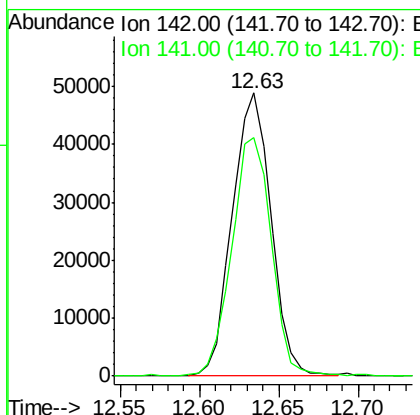
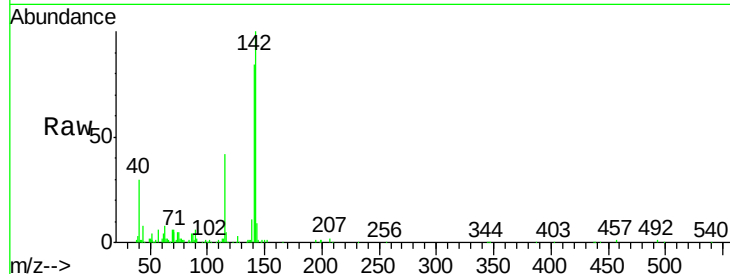
#34
 2-Methylnaphthalene
 Concen: 2.48 ng/ul
 RT: 12.63 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Instrument :
 BNA_G
 ClientSampleId :
 MDL-06-S-ML

Tgt Ion:142 Resp: 82974
 Ion Ratio Lower Upper
 142 100
 141 84.2 75.2 112.8

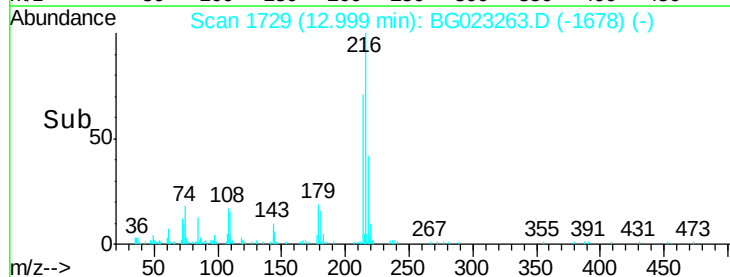
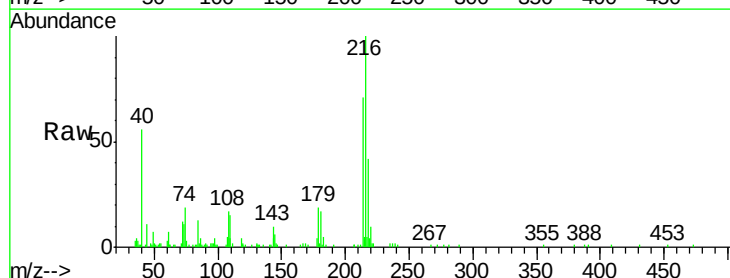
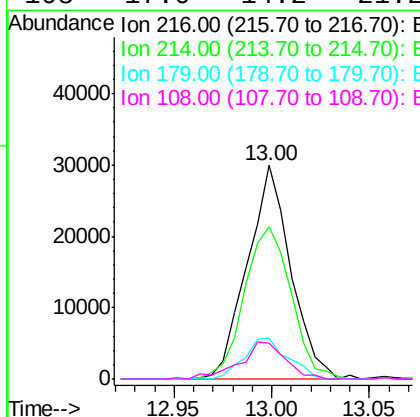
Manual Integrations

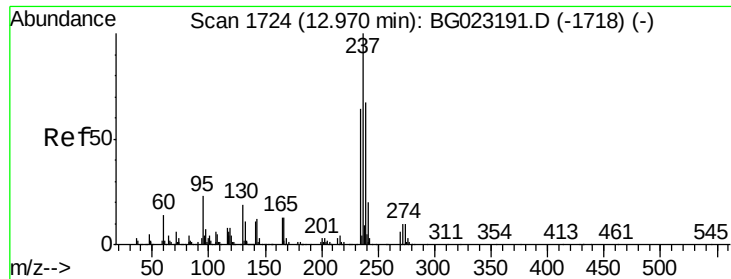
APPROVED
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#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.51 ng/ul
 RT: 13.00 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Tgt Ion:216 Resp: 45948
 Ion Ratio Lower Upper
 216 100
 214 71.3 61.7 92.5
 179 19.1 17.0 25.4
 108 17.0 14.2 21.2





#37

Hexachlorocyclopentadiene

Concen: 1.75 ng/ul

RT: 12.98 min Scan# 1725

Delta R.T. 0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

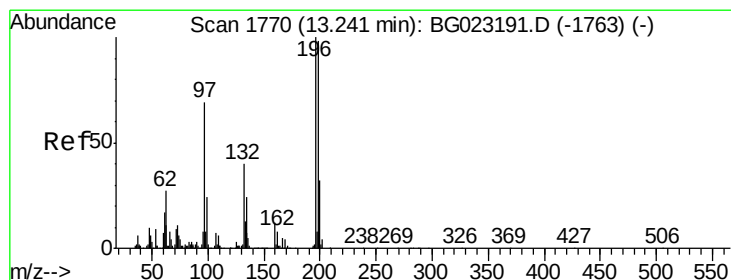
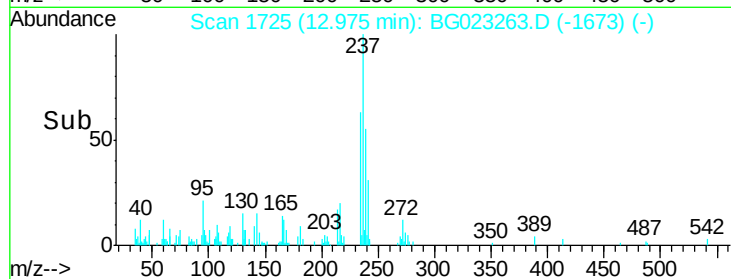
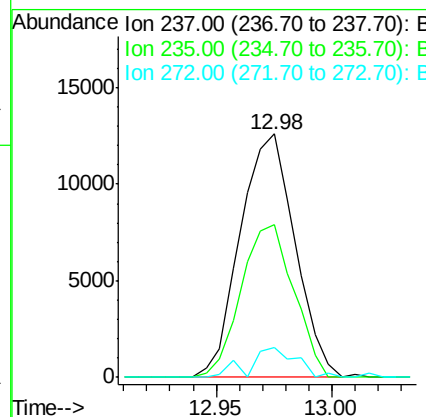
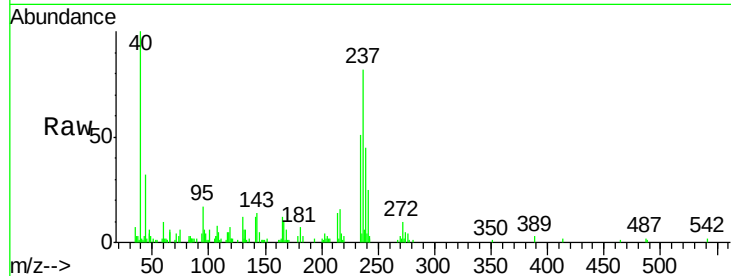
MDL-06-S-ML

Tgt Ion:	237	Resp:	20786
Ion Ratio	Lower	Upper	
237	100		
235	63.0	49.6	74.4
272	11.5	9.3	13.9

Manual Integrations

SOHIL

7/26/2016 11:41:15 AM



#38

2,4,6-Trichlorophenol

Concen: 1.97 ng/ul

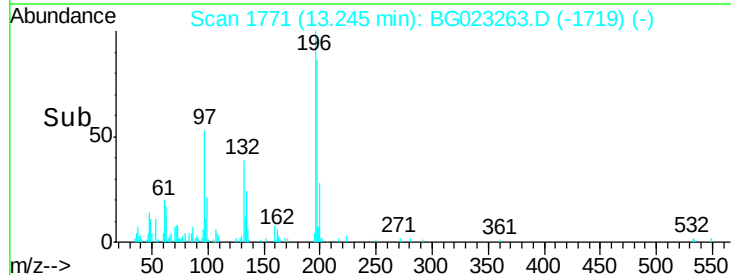
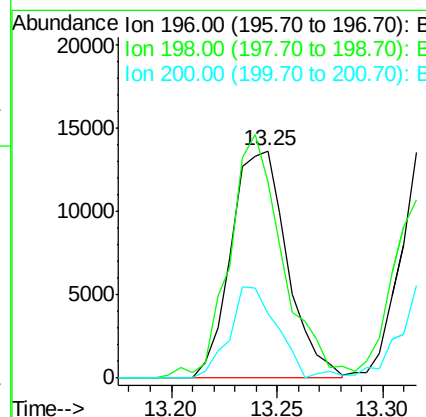
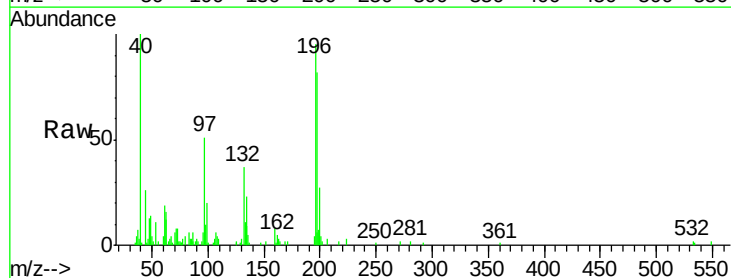
RT: 13.25 min Scan# 1771

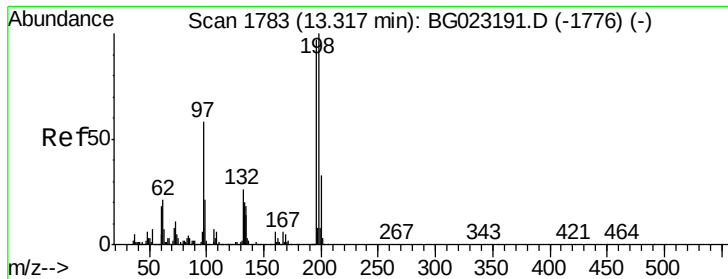
Delta R.T. 0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	196	Resp:	25003
Ion Ratio	Lower	Upper	
196	100		
198	86.4	77.4	116.0
200	28.4	26.6	39.8





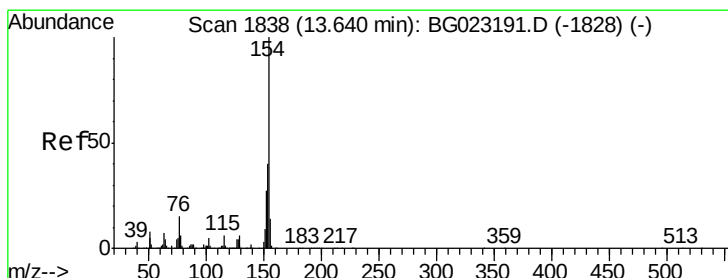
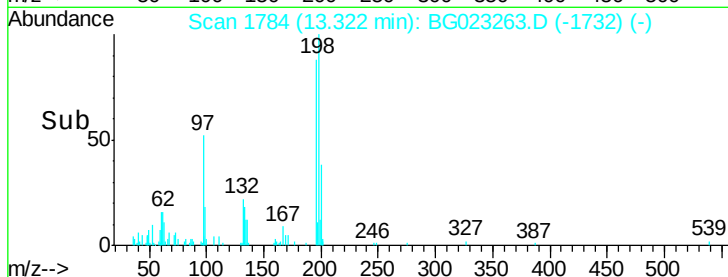
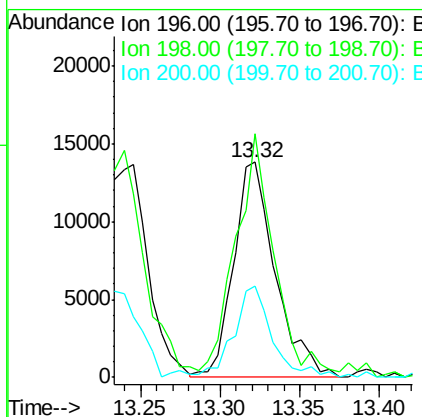
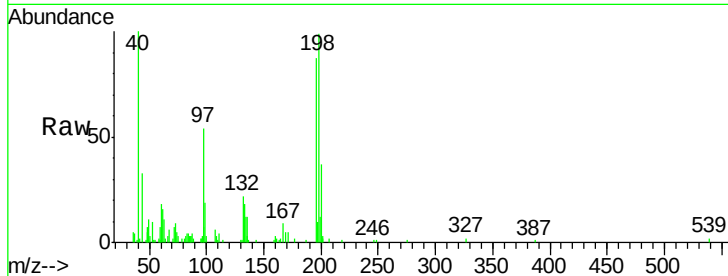
#39
 2,4,5-Trichlorophenol
 Concen: 1.96 ng/ul m
 RT: 13.32 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Instrument :
 BNA_G
 ClientSampleId :
 MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
196	100		
198	113.2	79.8	119.8
200	42.5	24.0	36.0

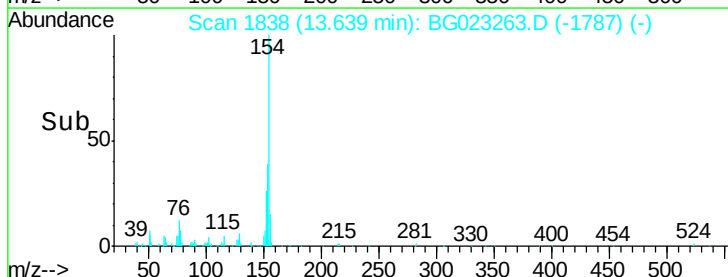
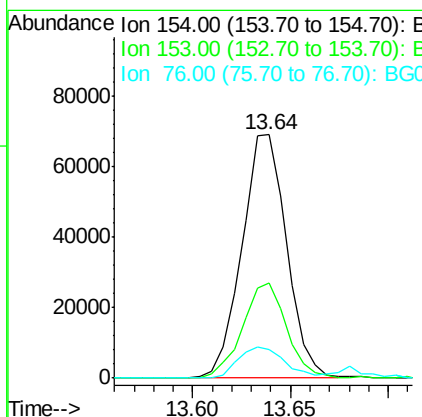
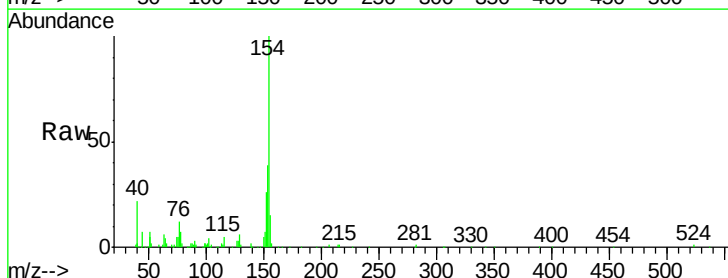
Manual Integrations

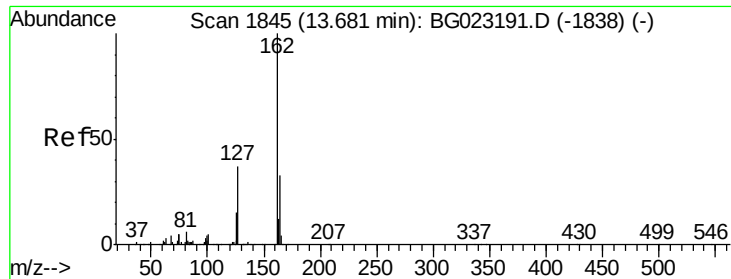
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 7/26/2016 11:41:15 AM



#40
 1,1'-Biphenyl
 Concen: 2.66 ng/ul
 RT: 13.64 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	34.6	52.0
76	11.7	11.9	17.9





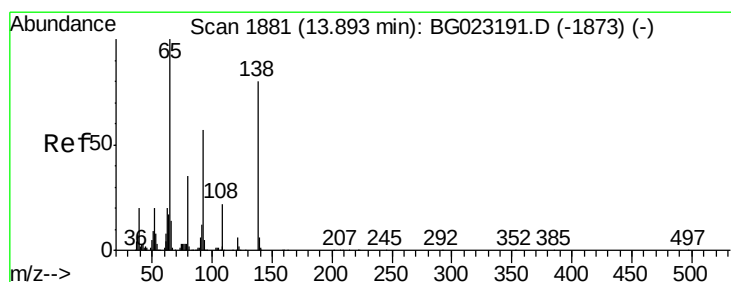
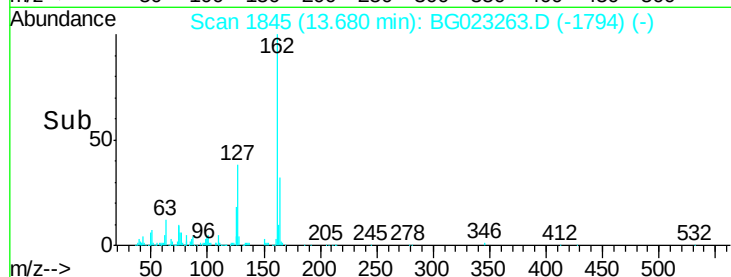
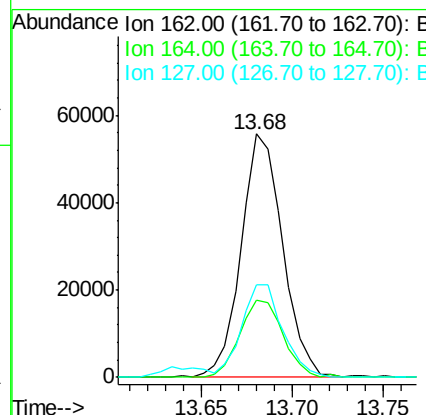
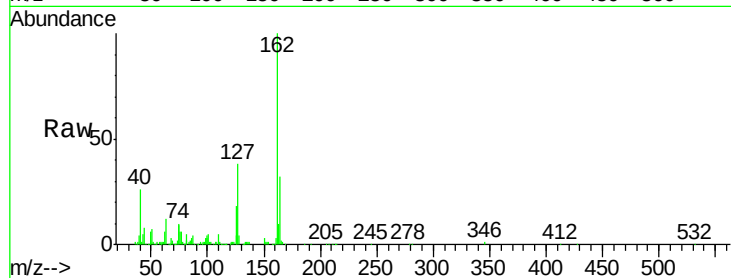
#41
 2-Chloronaphthalene
 Concen: 2.68 ng/ul
 RT: 13.68 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Instrument :
 BNA_G
 ClientSampleId :
 MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
162	100		
164	31.9	25.4	38.2
127	38.0	30.2	45.4

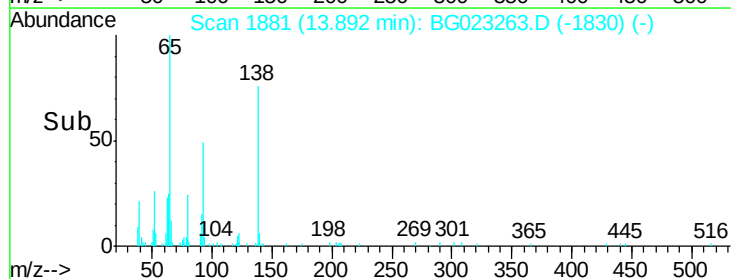
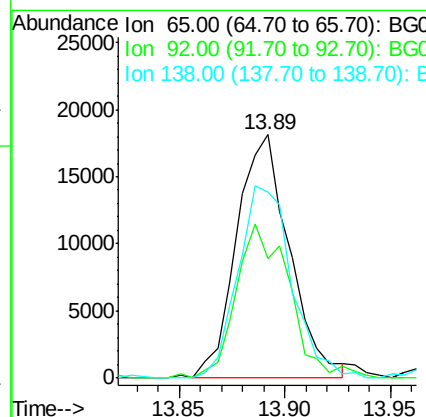
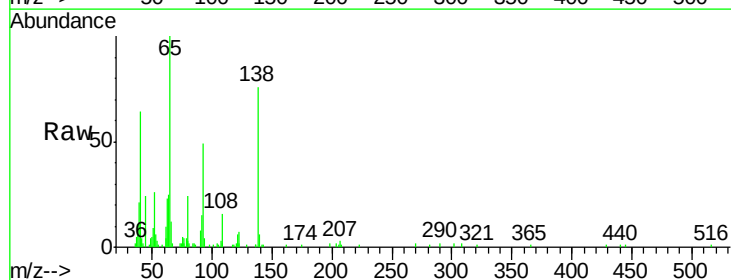
Manual Integrations

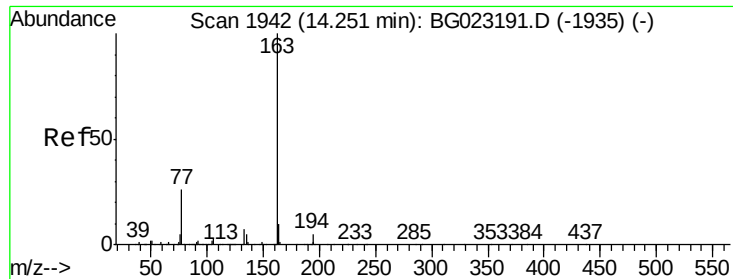
APPROVED
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#42
 2-Nitroaniline
 Concen: 2.13 ng/ul
 RT: 13.89 min Scan# 1881
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	48.8	67.1	100.7#
138	76.4	109.6	164.4#





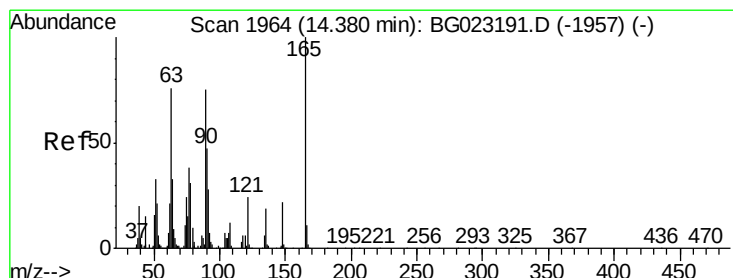
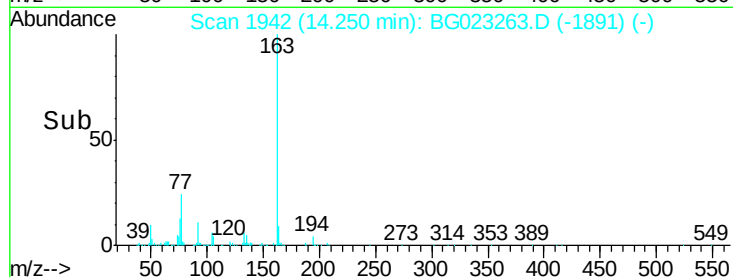
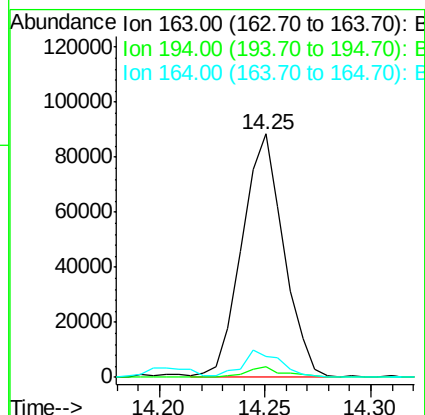
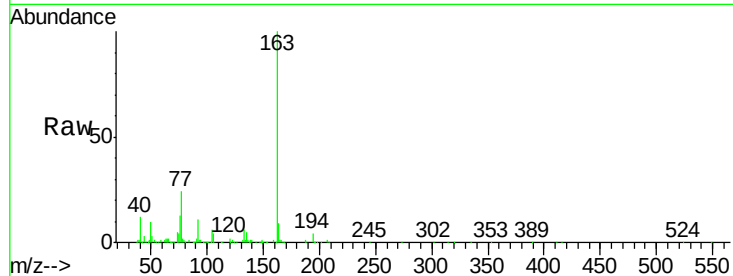
#44
Dimethylphthalate
Concen: 2.62 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	8.7	8.8	13.2#

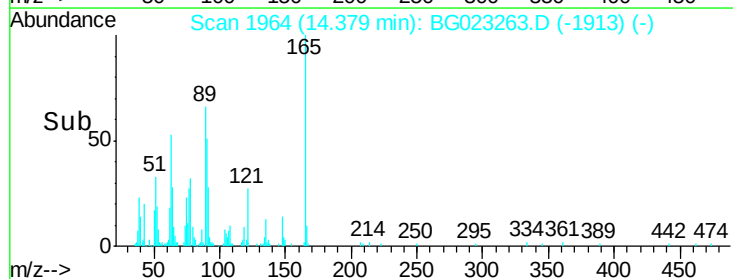
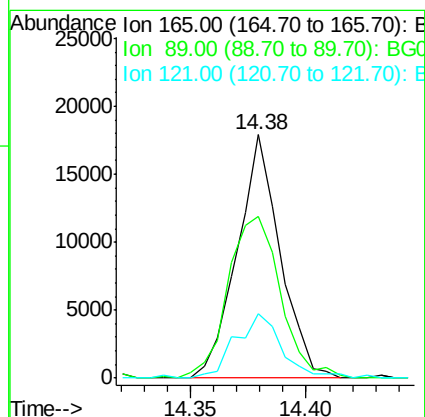
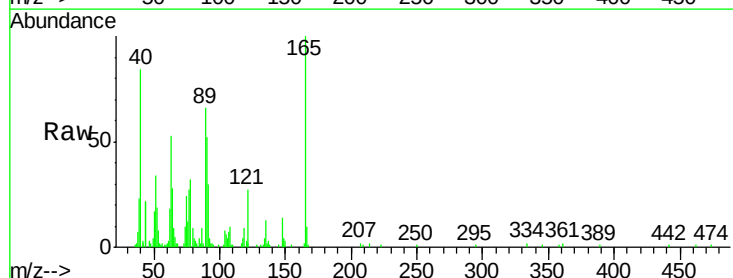
Manual Integrations

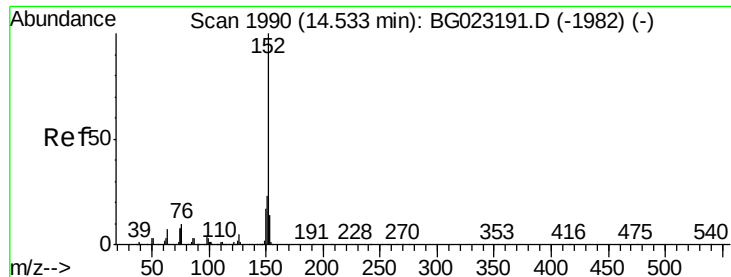
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7/26/2016 11:41:15 AM



#45
2,6-Dinitrotoluene
Concen: 2.32 ng/ul
RT: 14.38 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
165	100		
89	66.2	41.5	62.3#
121	26.6	17.0	25.4#





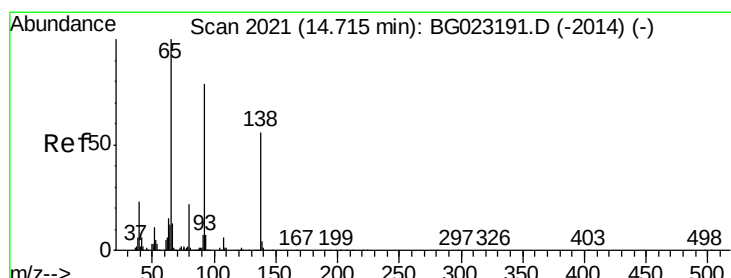
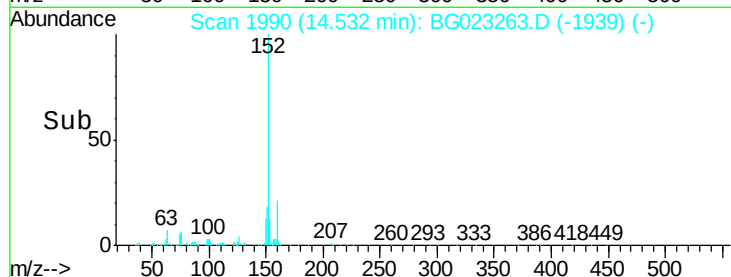
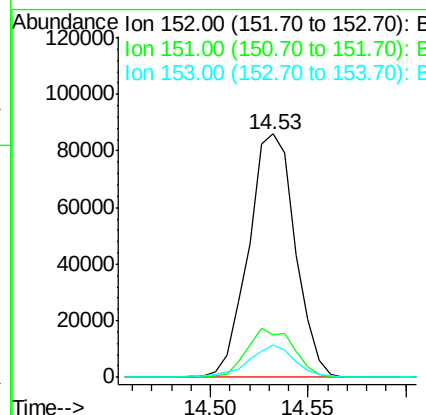
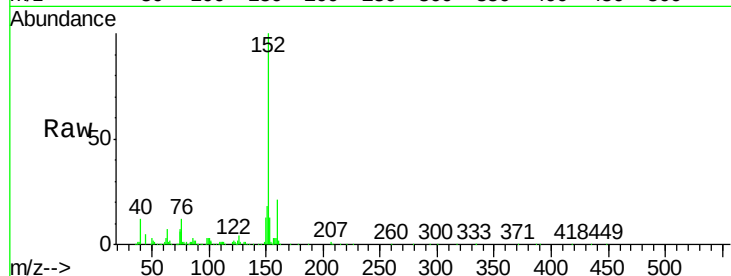
#47
Acenaphthylene
Concen: 2.70 ng/ul
RT: 14.53 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.7	17.5	26.3
153	13.5	11.1	16.7

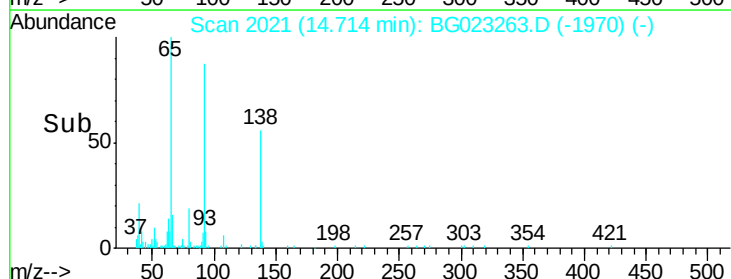
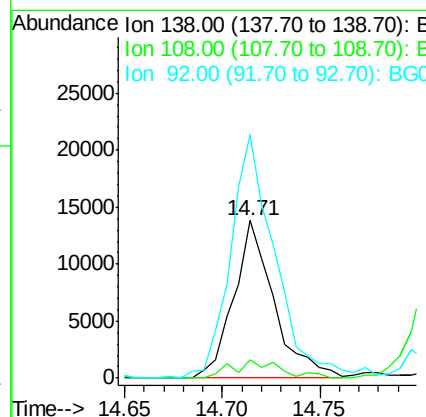
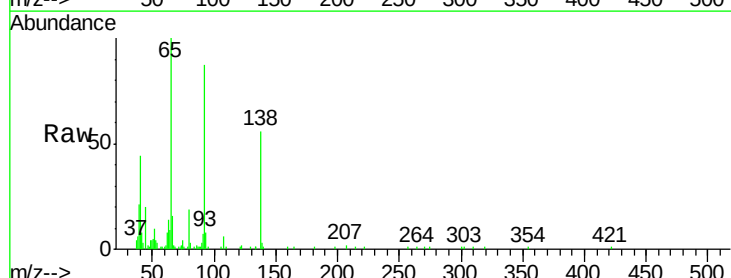
Manual Integrations

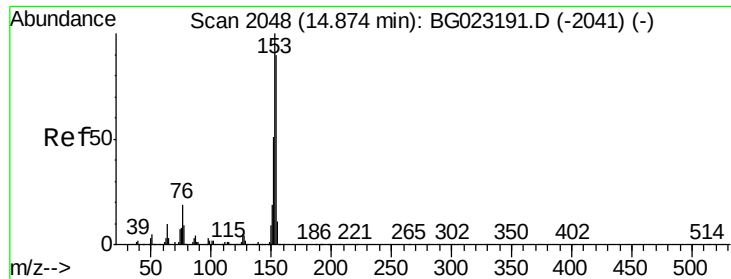
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7/26/2016 11:41:15 AM



#48
3-Nitroaniline
Concen: 2.32 ng/ul
RT: 14.71 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.4	6.2	9.2#
92	154.8	79.3	118.9#





#49

Acenaphthene

Concen: 2.59 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BG023263.D

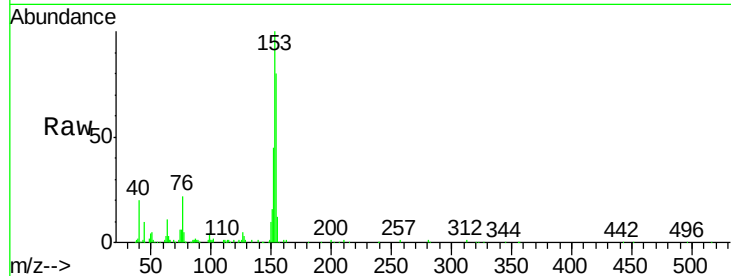
Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

MDL-06-S-ML

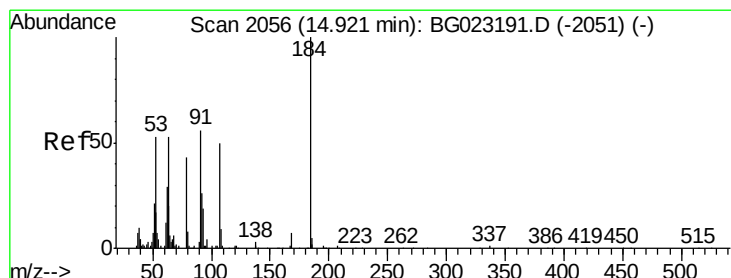
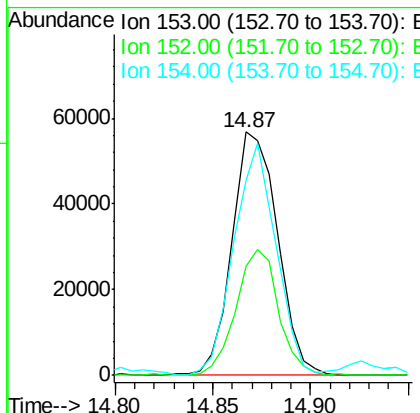
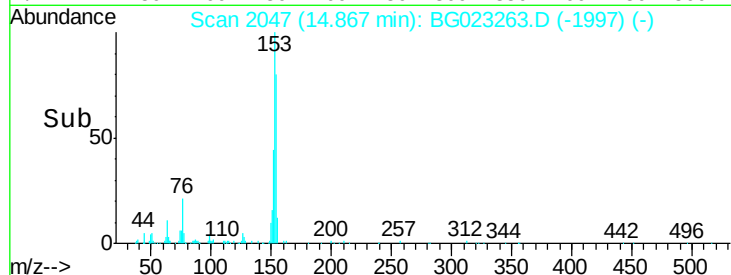


Tgt Ion:	153	Resp:	91733
Ion Ratio	Lower	Upper	
153	100		
152	45.0	37.3	55.9
154	79.9	68.2	102.2

Manual Integrations

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7/26/2016 11:41:15 AM



#50

2,4-Dinitrophenol

Concen: 1.25 ng/ul

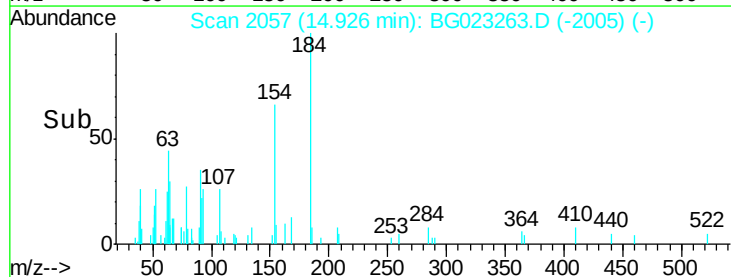
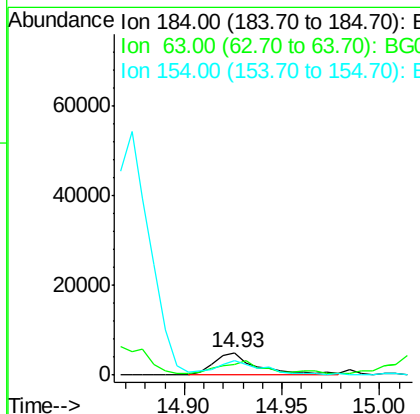
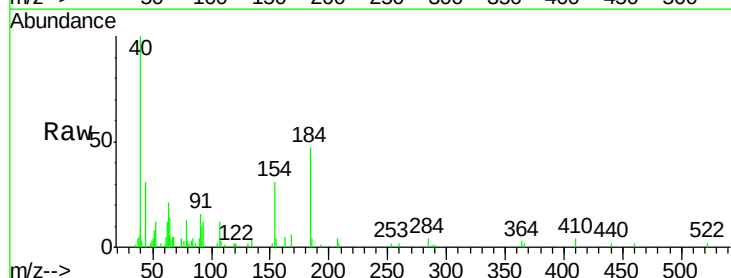
RT: 14.93 min Scan# 2057

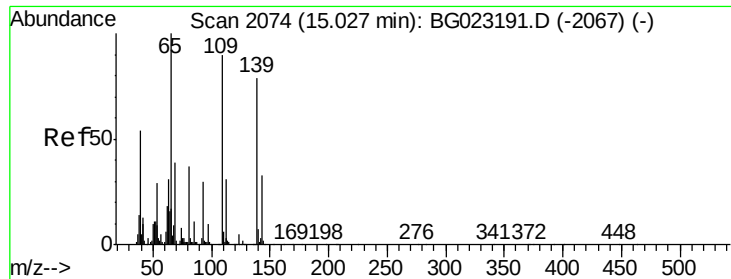
Delta R.T. 0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	184	Resp:	7855
Ion Ratio	Lower	Upper	
184	100		
63	44.4	40.5	60.7
154	66.1	48.5	72.7





#52

4-Nitrophenol

Concen: 1.80 ng/ul

RT: 15.03 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BG023263.D

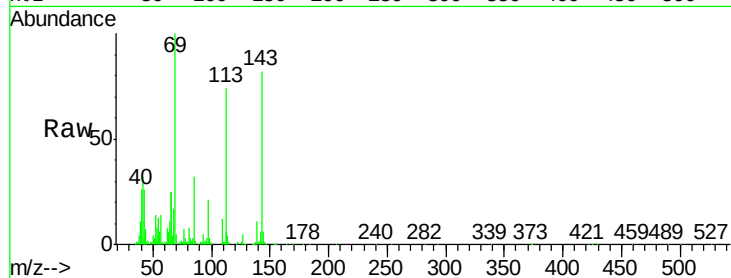
Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

MDL-06-S-ML

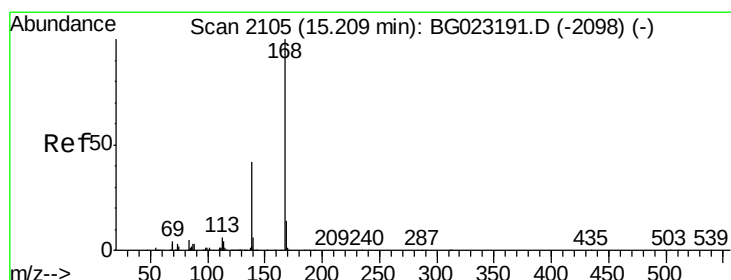
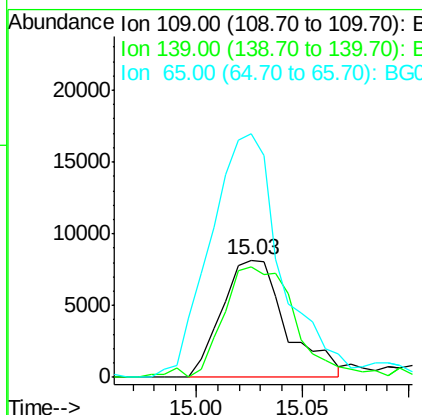
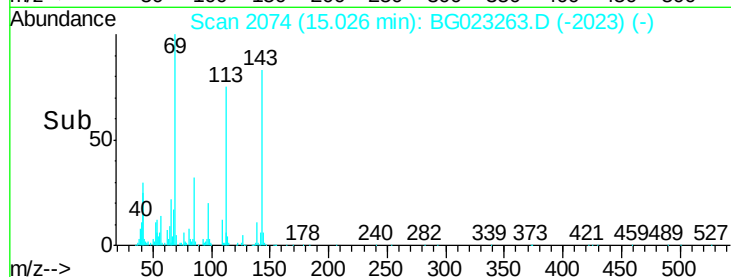


Tgt Ion:	109	Resp:	17241
Ion Ratio	Lower	Upper	
109	100		
139	94.4	136.1	204.1#
65	207.8	106.0	159.0#

Manual Integrations

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7/26/2016 11:41:15 AM



#53

Dibenzofuran

Concen: 2.68 ng/ul

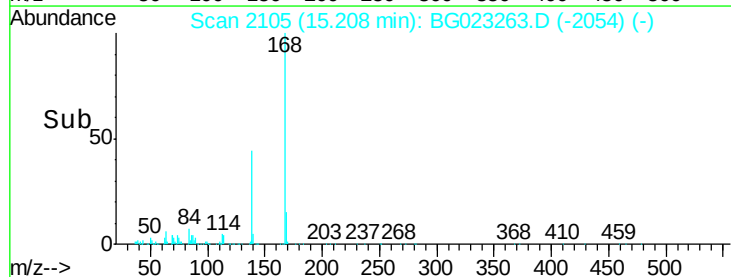
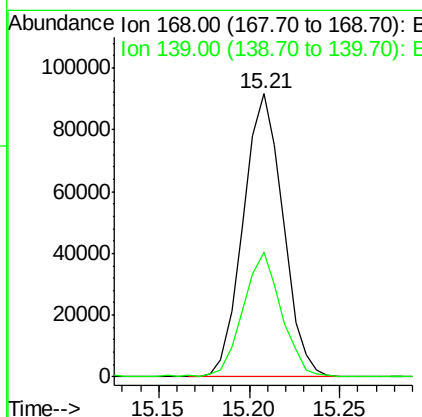
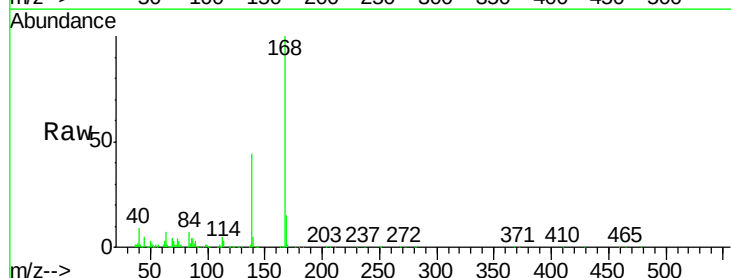
RT: 15.21 min Scan# 2105

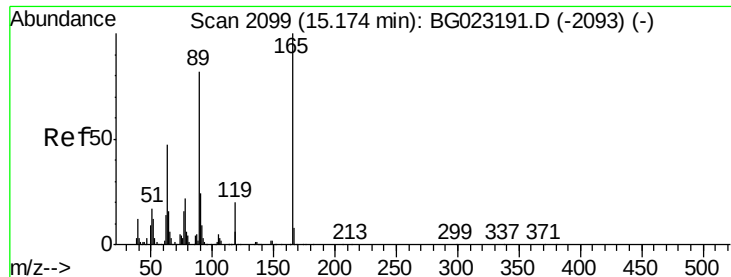
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	168	Resp:	140169
Ion Ratio	Lower	Upper	
168	100		
139	43.9	27.4	41.0#





#54

2,4-Dinitrotoluene

Concen: 2.24 ng/ul

RT: 15.17 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BG023263.D

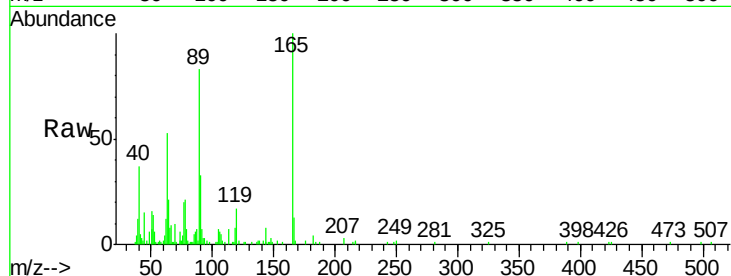
Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

MDL-06-S-ML

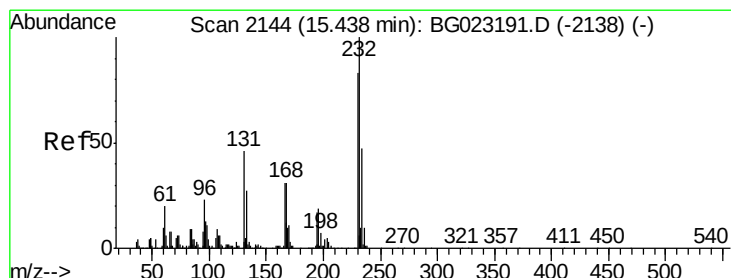
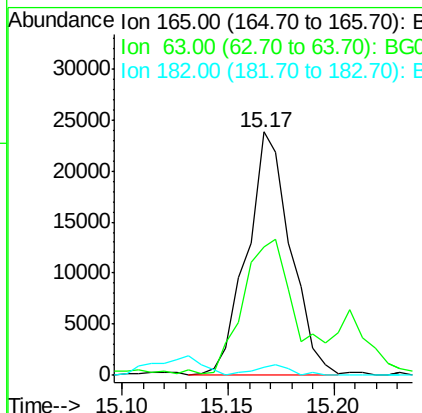
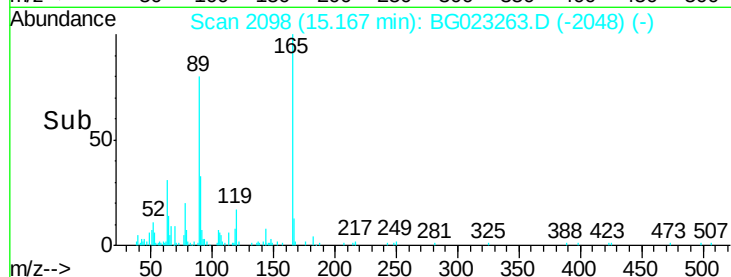


Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.7	25.7	38.5#
182	3.6	2.1	3.1#

Manual Integrations

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#55

2,3,4,6-Tetrachlorophenol

Concen: 1.94 ng/ul

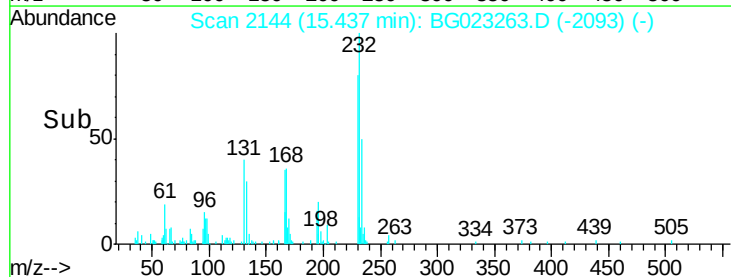
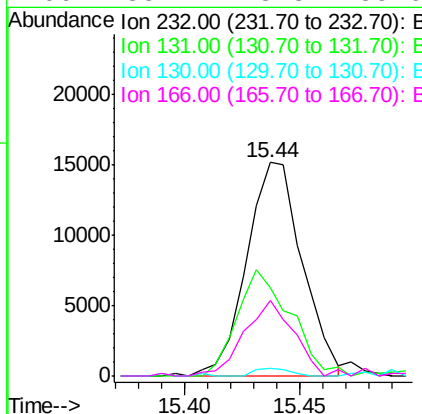
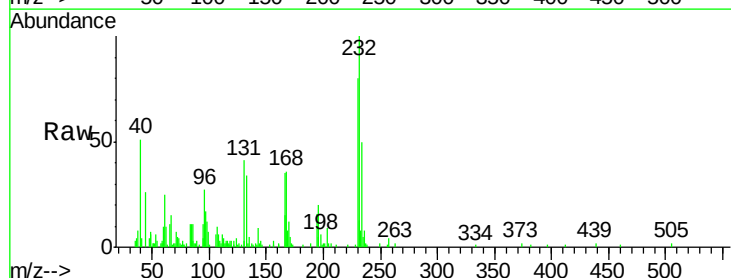
RT: 15.44 min Scan# 2144

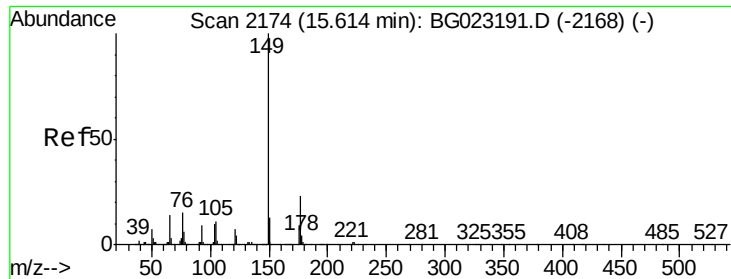
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
232	100		
131	41.3	34.8	52.2
130	3.5	2.2	3.2#
166	35.1	23.8	35.6





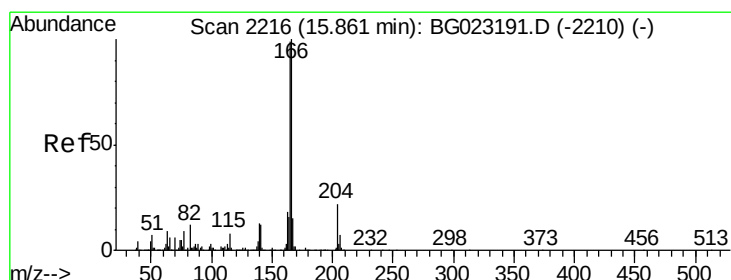
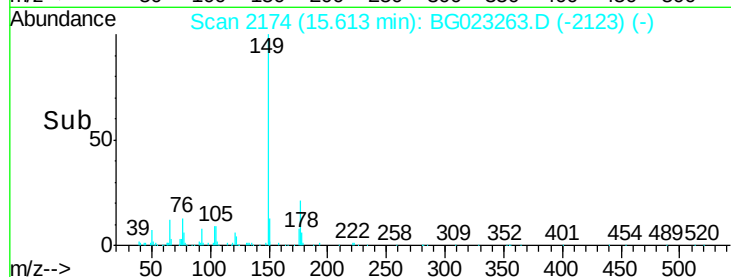
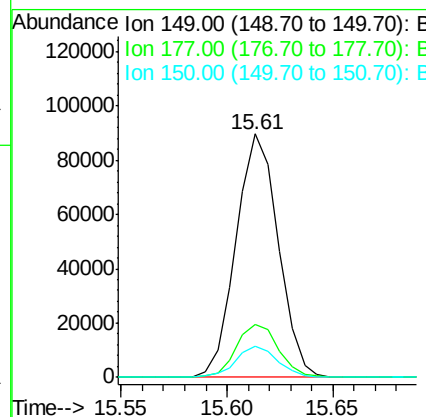
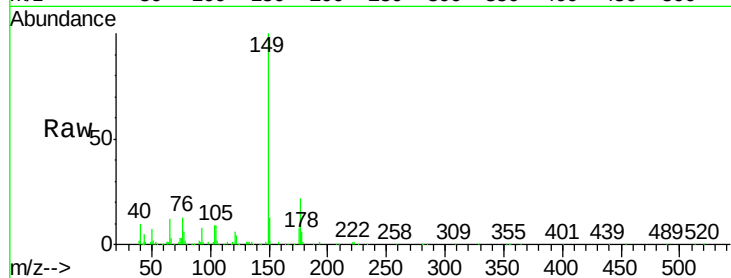
#56
Diethylphthalate
Concen: 2.53 ng/ul
RT: 15.61 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.4	26.2
150	12.7	9.6	14.4

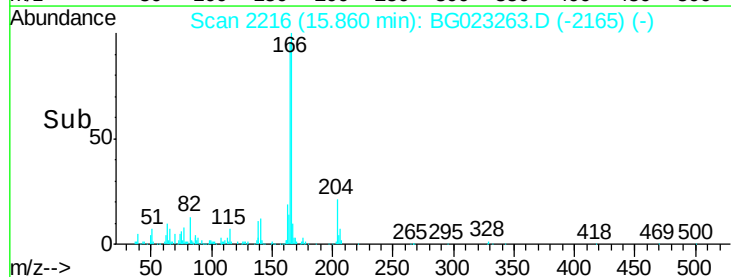
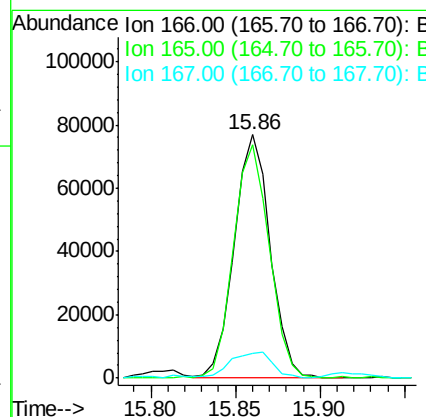
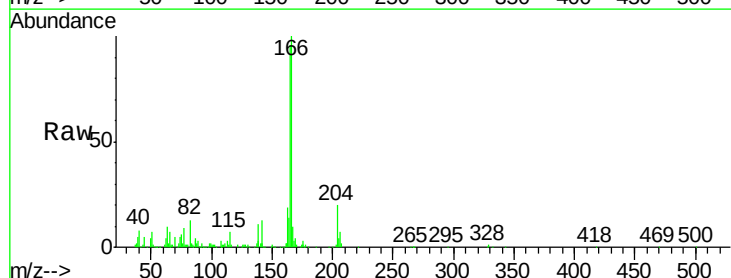
Manual Integrations

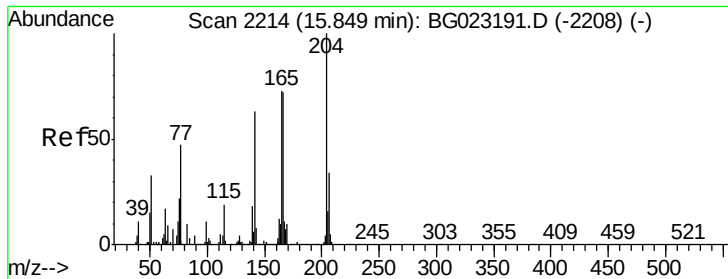
SOHIL
7/26/2016 11:41:15 AM



#58
Fluorene
Concen: 2.64 ng/ul
RT: 15.86 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	80.3	120.5
167	10.2	10.3	15.5#





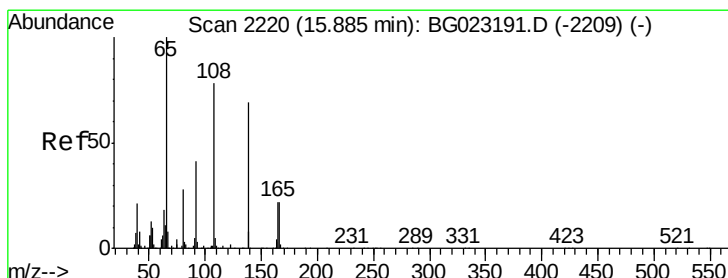
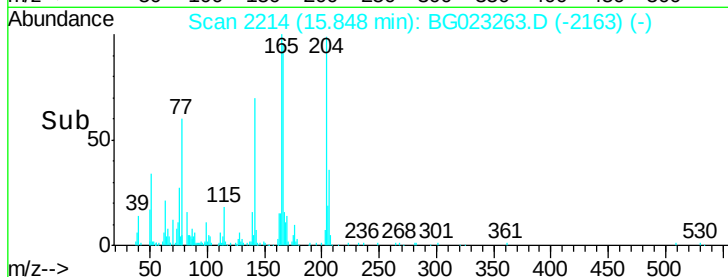
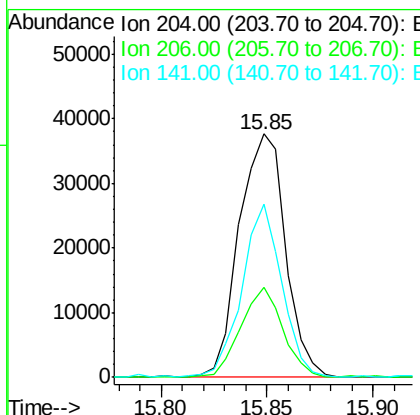
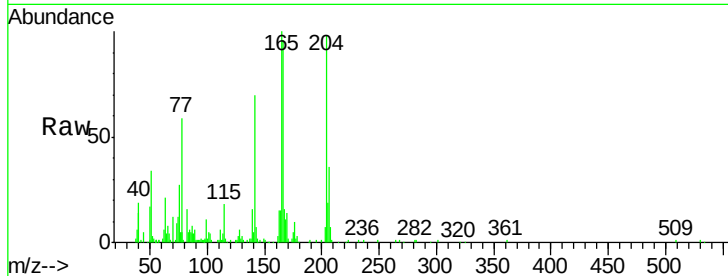
#59
 4-Chlorophenyl-phenylether
 Concen: 2.41 ng/ul
 RT: 15.85 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Instrument :
 BNA_G
 ClientSampleId :
 MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
204	100		
206	36.7	27.4	41.2
141	71.2	47.1	70.7#

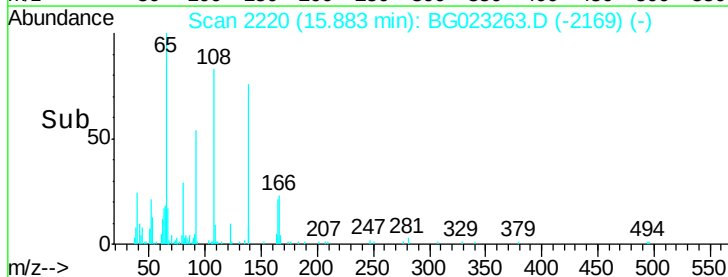
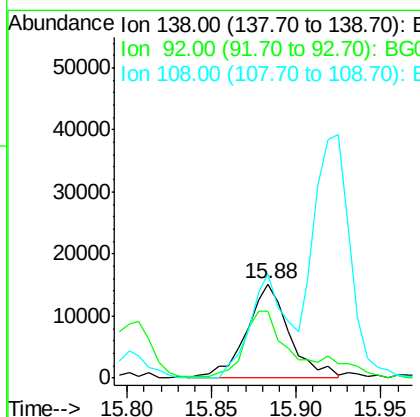
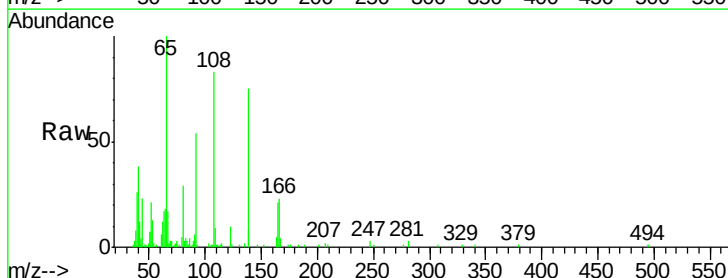
Manual Integrations

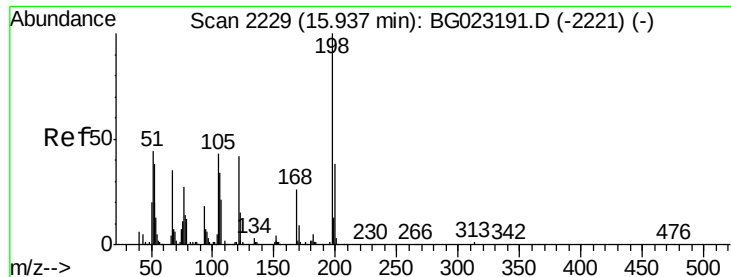
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#60
 4-Nitroaniline
 Concen: 2.54 ng/ul
 RT: 15.88 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
138	100		
92	71.7	39.0	58.4#
108	110.6	49.2	73.8#





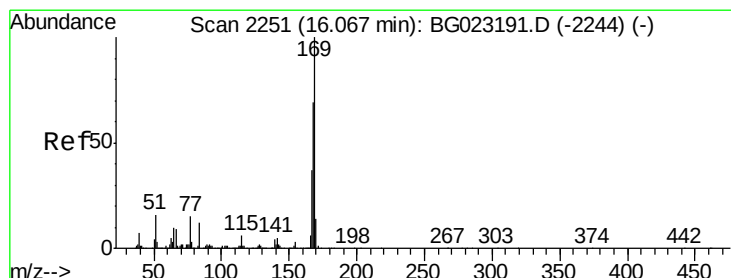
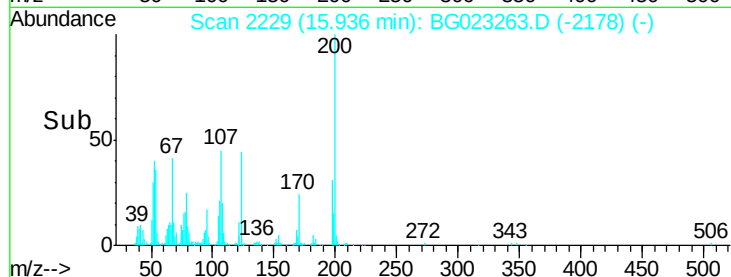
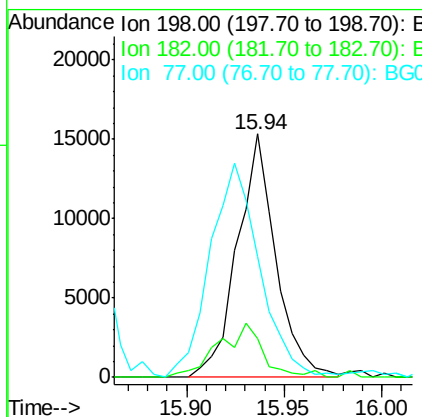
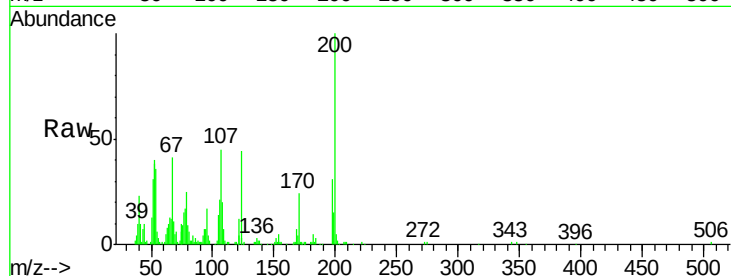
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.34 ng/ul
 RT: 15.94 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Instrument :
 BNA_G
 ClientSampleId :
 MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
198	100		
182	15.9	4.2	6.2#
77	49.5	16.7	25.1#

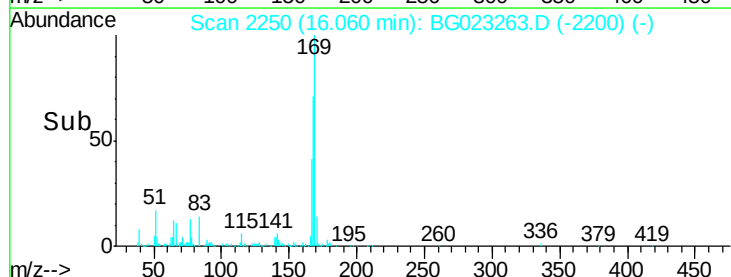
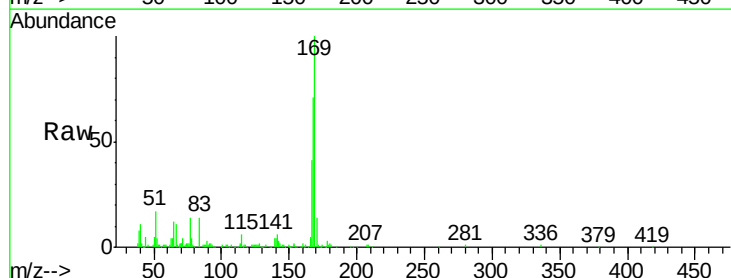
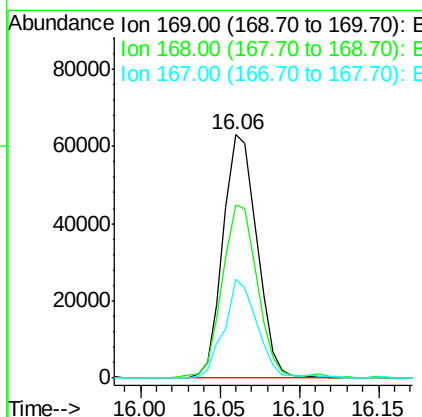
Manual Integrations

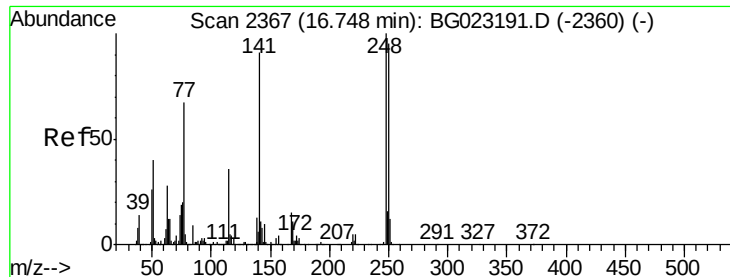
SOHIL
 7/26/2016 11:41:15 AM



#64
 N-Nitrosodiphenylamine
 Concen: 2.63 ng/ul
 RT: 16.06 min Scan# 2250
 Delta R.T. -0.01 min
 Lab File: BG023263.D
 Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.1	59.0	88.6
167	40.8	30.6	46.0





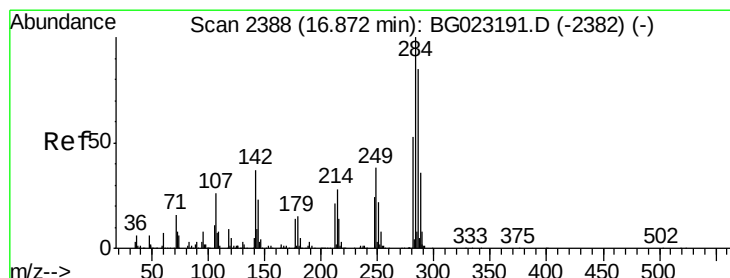
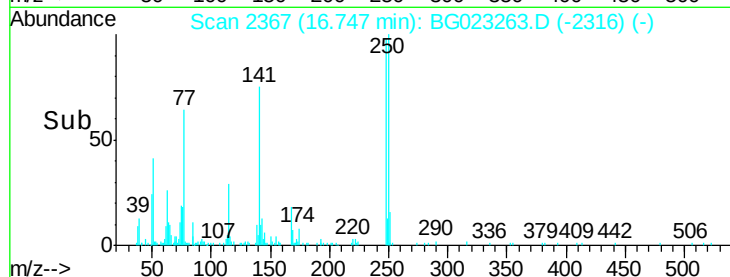
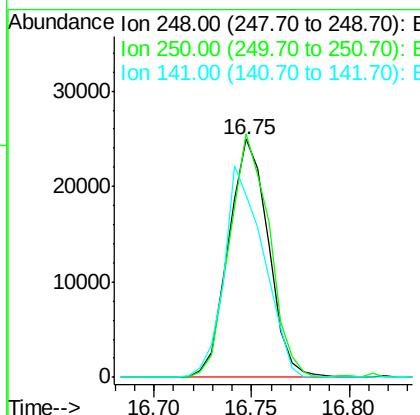
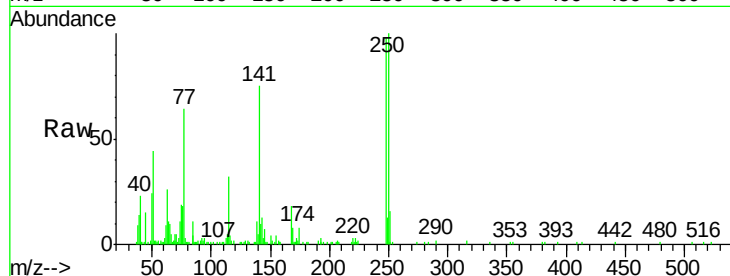
#65
4-Bromophenyl-phenylether
Concen: 2.49 ng/ul
RT: 16.75 min Scan# 2367
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
248	100		
250	102.3	76.6	114.8
141	76.5	61.8	92.6

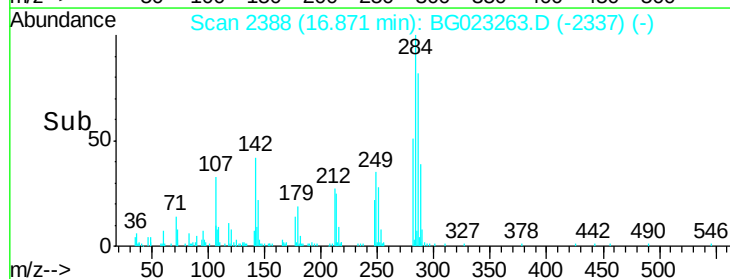
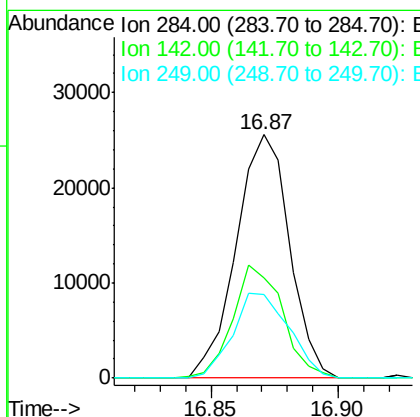
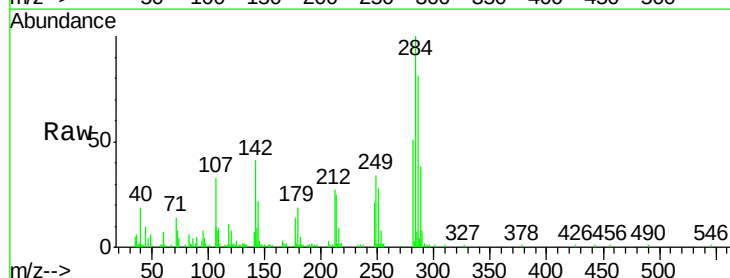
Manual Integrations

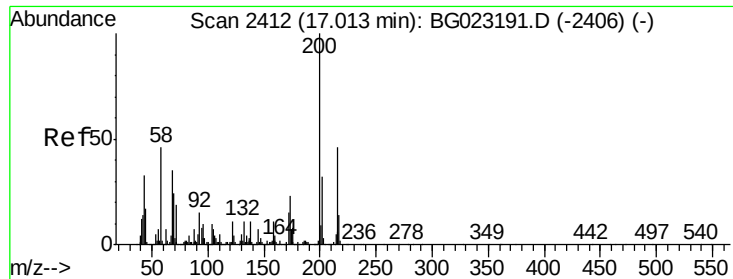
SOHIL
7/26/2016 11:41:15 AM



#66
Hexachlorobenzene
Concen: 2.56 ng/ul
RT: 16.87 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.5	27.8	41.8
249	34.2	24.4	36.6





#67

Atrazine

Concen: 2.34 ng/ul

RT: 17.02 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

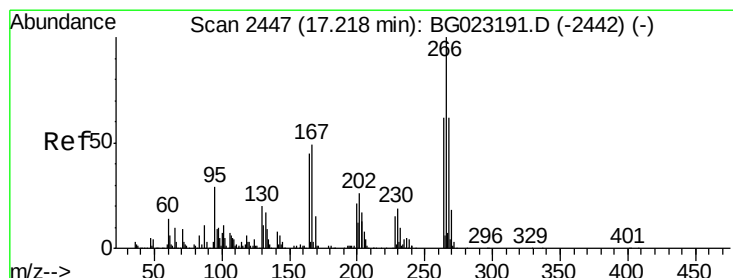
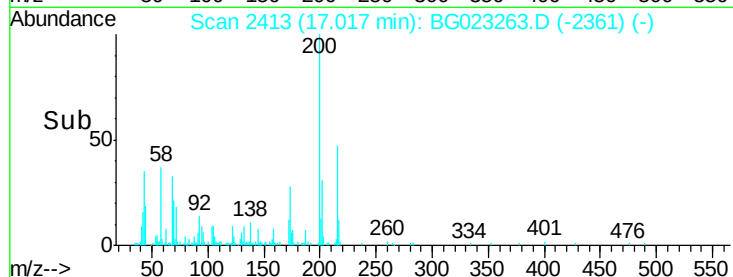
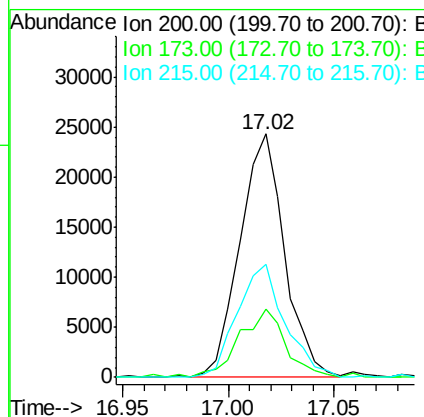
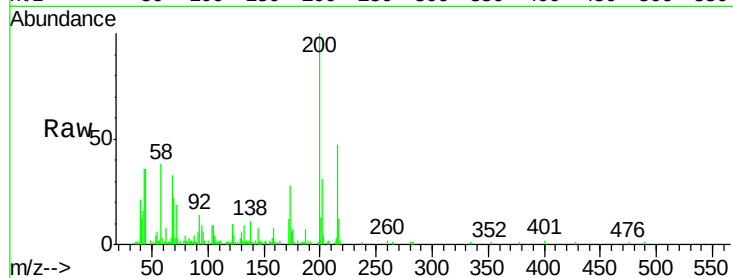
MDL-06-S-ML

Tgt Ion:	200	Resp:	35687
Ion Ratio	Lower	Upper	
200	100		
173	27.8	21.0	31.6
215	46.6	37.9	56.9

Manual Integrations

SOHIL

7/26/2016 11:41:15 AM



#68

Pentachlorophenol

Concen: 1.60 ng/ul

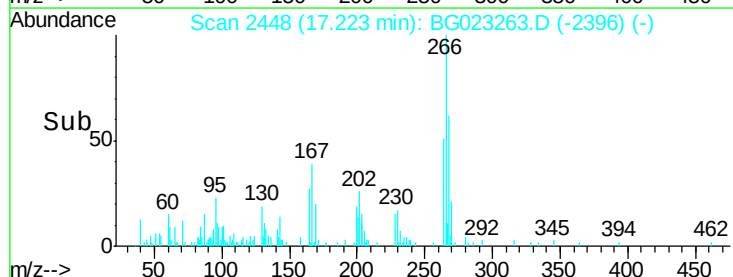
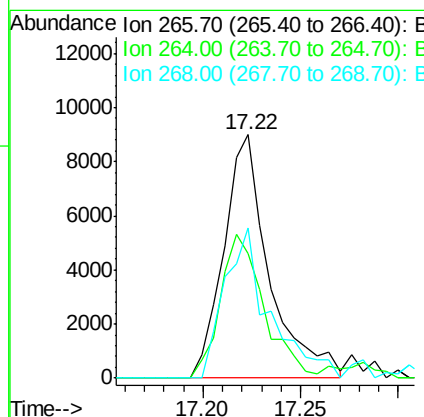
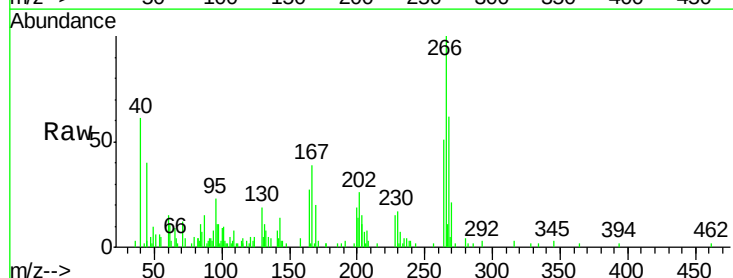
RT: 17.22 min Scan# 2448

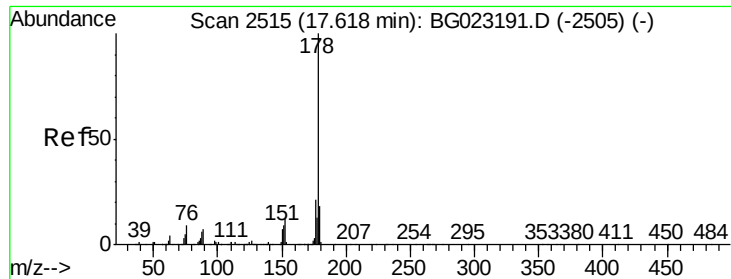
Delta R.T. 0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	266	Resp:	14515
Ion Ratio	Lower	Upper	
266	100		
264	51.0	54.7	82.1#
268	61.7	57.8	86.8





#69

Phenanthrene

Concen: 3.04 ng/ul

RT: 17.62 min Scan# 2515

Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

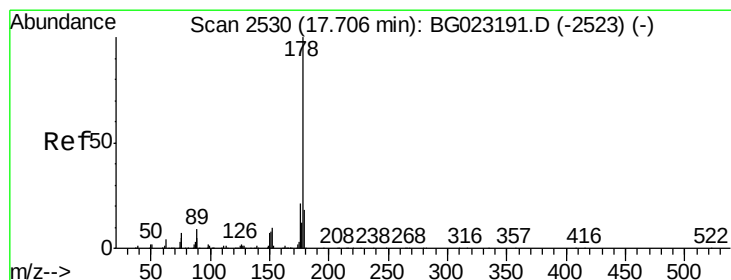
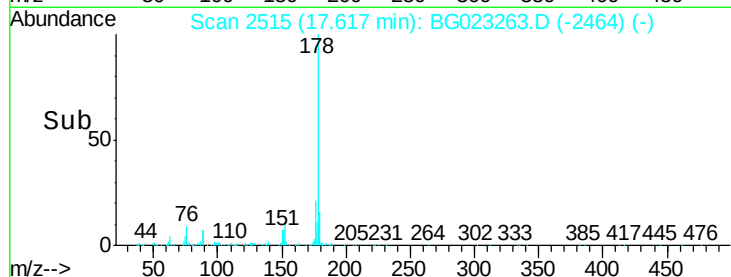
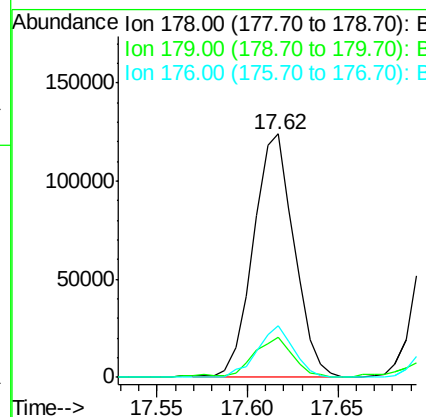
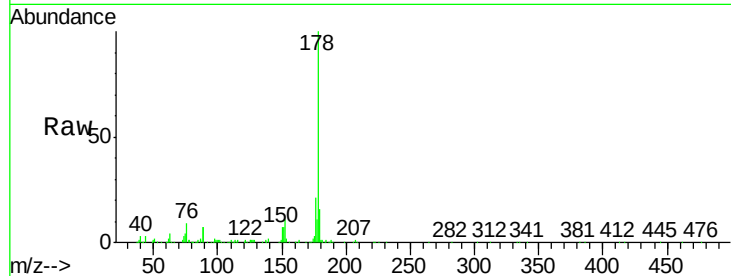
MDL-06-S-ML

Tgt Ion:	178	Resp:	193923
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.9	19.3
176	21.1	15.8	23.8

Manual Integrations

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7/26/2016 11:41:15 AM



#71

Anthracene

Concen: 3.02 ng/ul

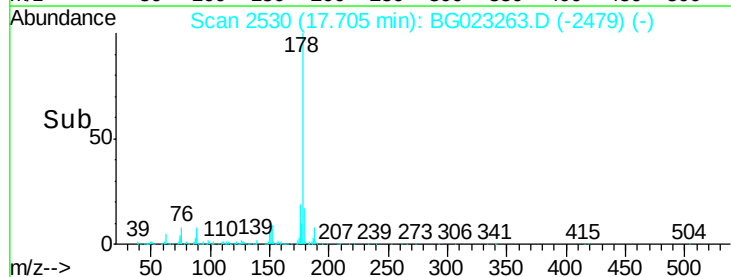
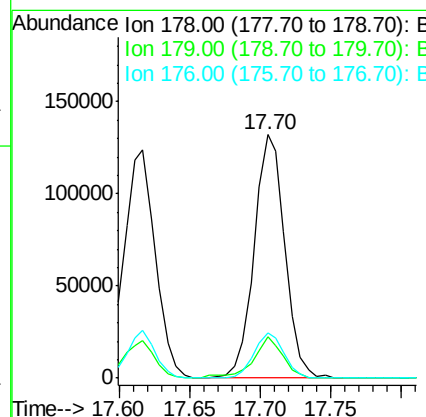
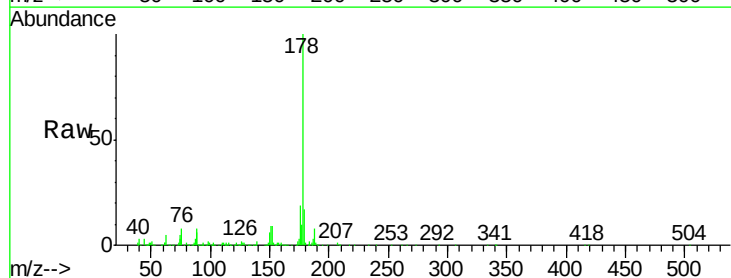
RT: 17.70 min Scan# 2530

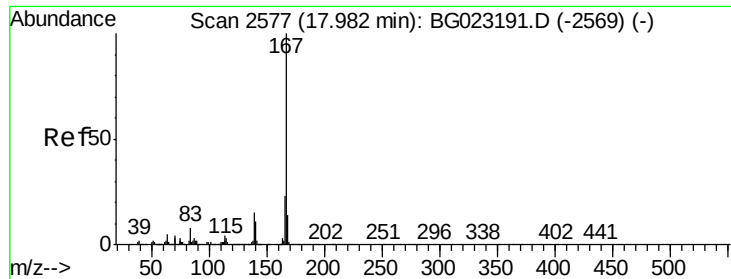
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	178	Resp:	201782
Ion Ratio	Lower	Upper	
178	100		
179	16.9	12.3	18.5
176	18.7	16.3	24.5





#72

Carbazole

Concen: 3.01 ng/ul

RT: 17.98 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG023263.D

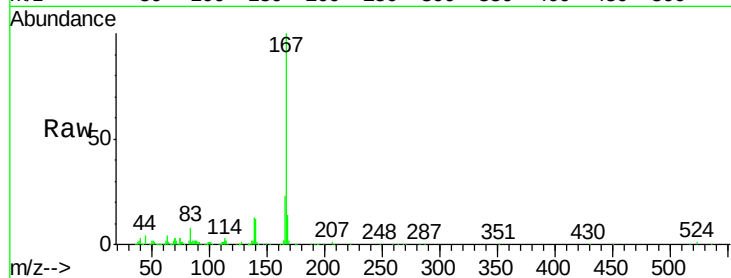
Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

MDL-06-S-ML

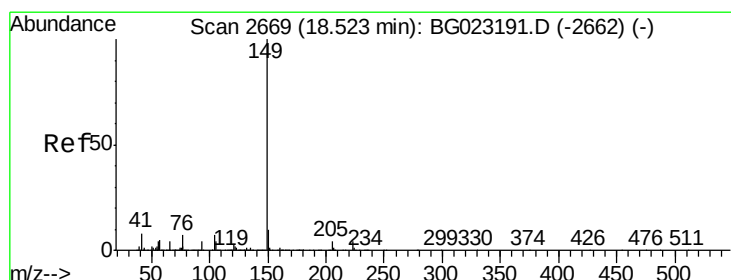
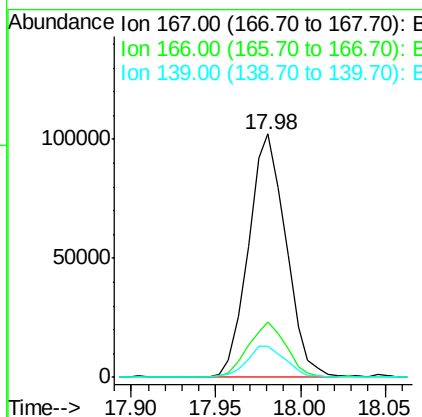
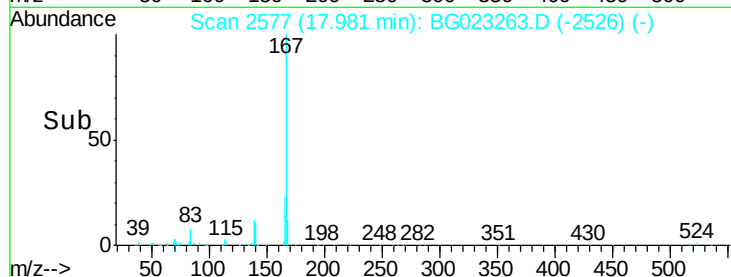


Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	19.2	28.8
139	12.6	10.2	15.4

Manual Integrations

SOHIL

7/26/2016 11:41:15 AM



#73

Di-n-butylphthalate

Concen: 2.82 ng/ul

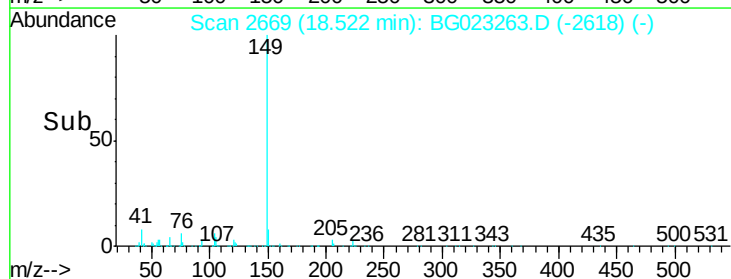
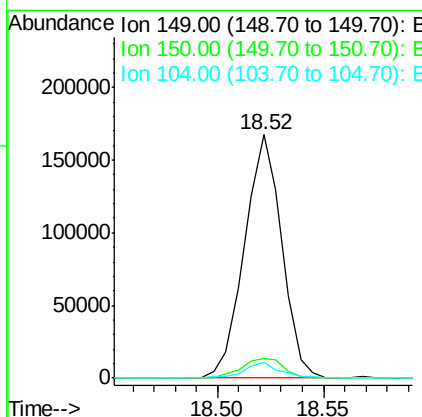
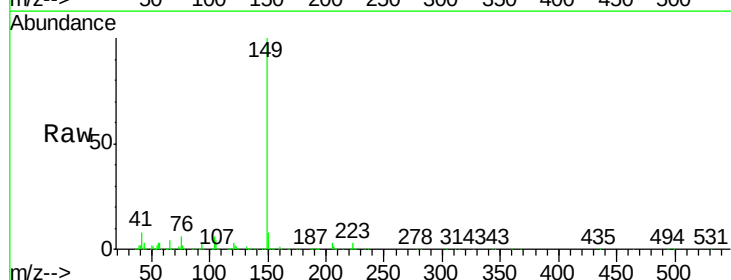
RT: 18.52 min Scan# 2669

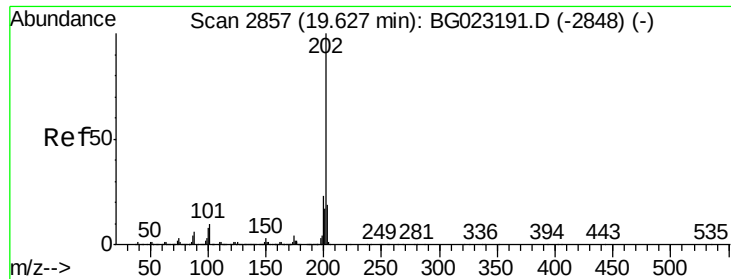
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
149	100		
150	7.8	7.1	10.7
104	6.4	3.3	4.9





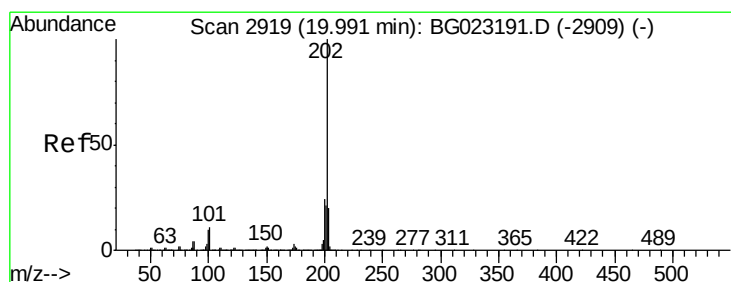
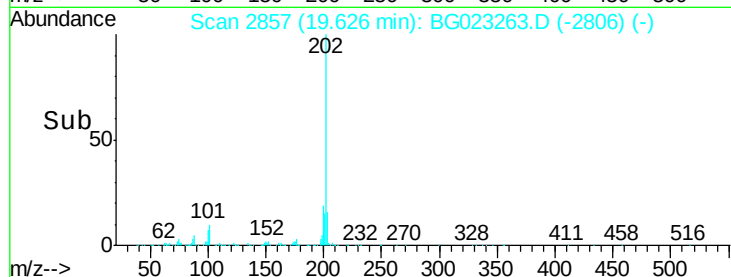
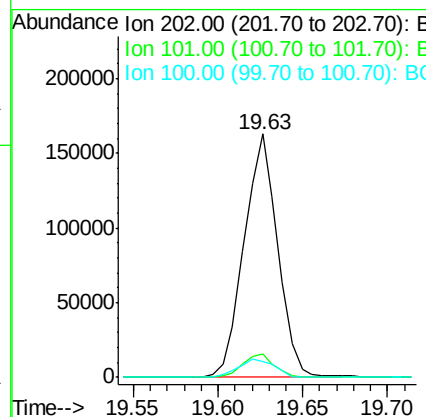
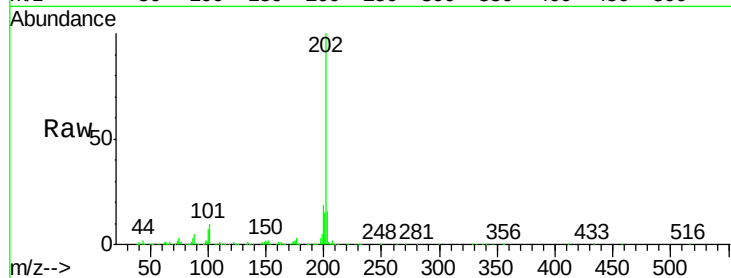
#74
Fluoranthene
Concen: 3.36 ng/ul
RT: 19.63 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	225097		
101	9.8	10.6	16.0#	
100	6.6	8.7	13.1#	

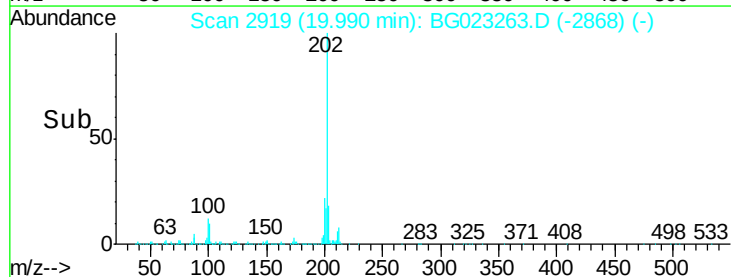
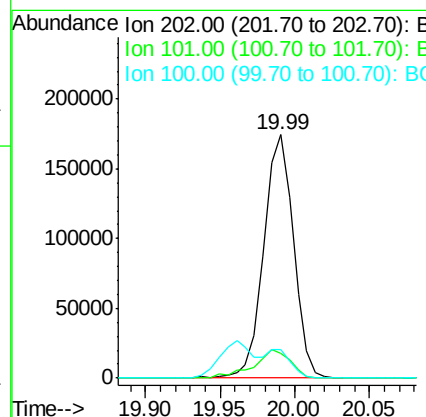
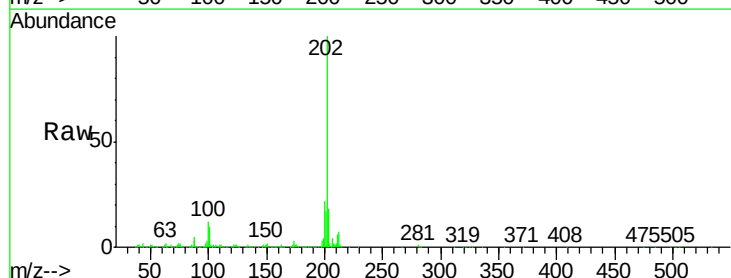
Manual Integrations

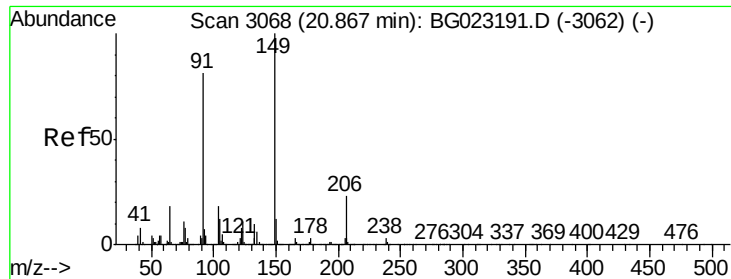
SOHIL
7/26/2016 11:41:15 AM



#77
Pyrene
Concen: 3.08 ng/ul
RT: 19.99 min Scan# 2919
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	240329		
101	9.9	12.5	18.7#	
100	11.9	10.2	15.4	





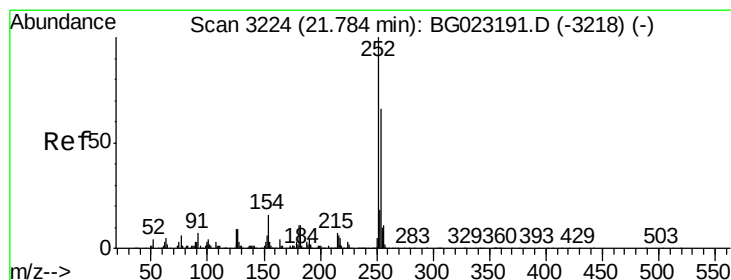
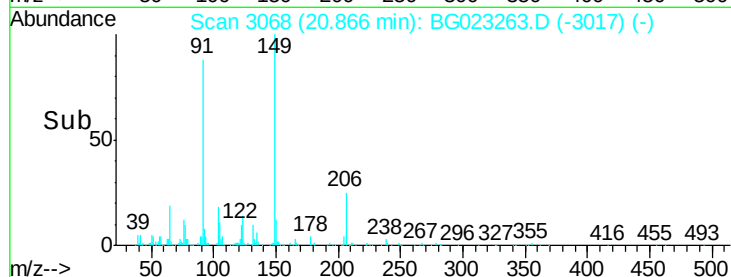
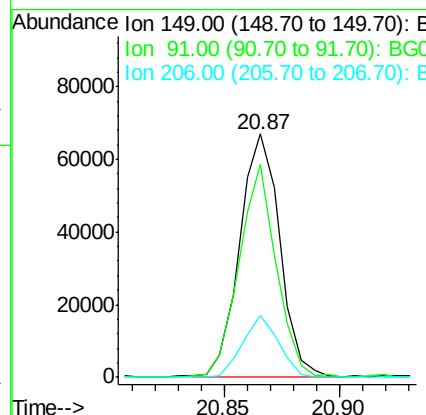
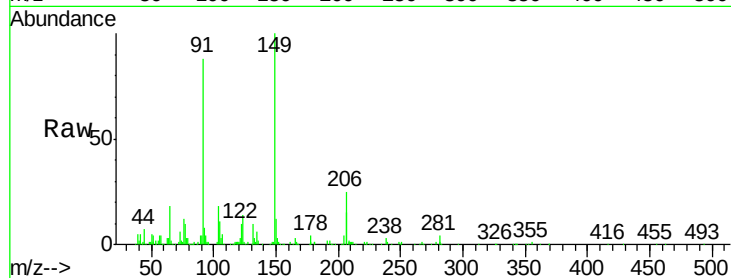
#78
Butylbenzylphthalate
Concen: 2.40 ng/ul
RT: 20.87 min Scan# 3068
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
149	100		
91	87.6	54.2	81.4#
206	25.4	14.1	21.1#

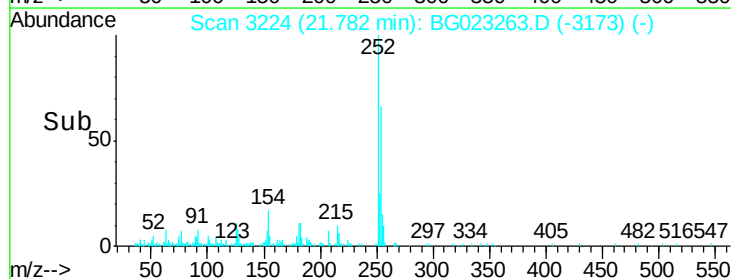
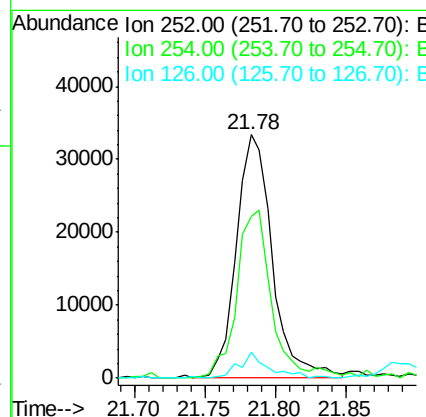
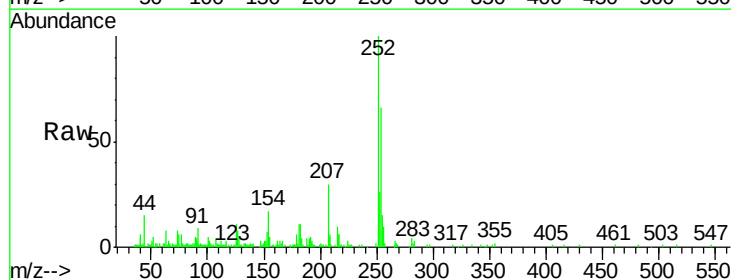
Manual Integrations

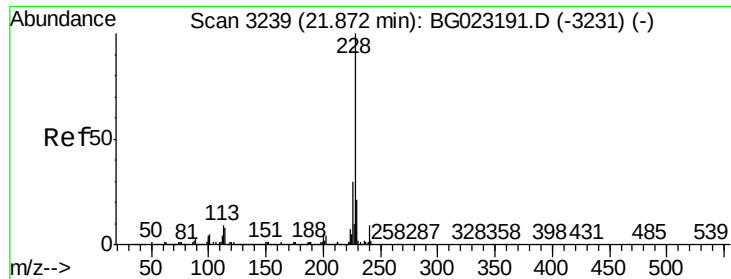
SOHIL
7/26/2016 11:41:15 AM



#79
3,3'-Dichlorobenzidine
Concen: 2.32 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.5	51.4	77.2
126	10.7	10.7	16.1





#80

Benzo(a)anthracene

Concen: 2.89 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

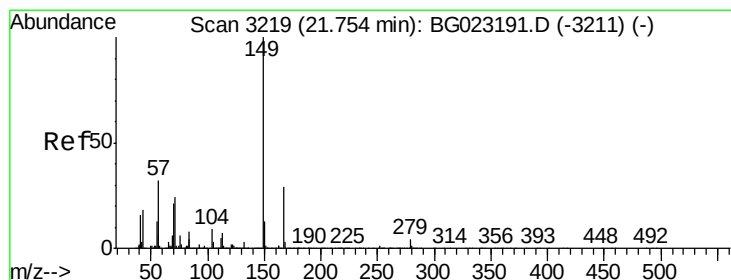
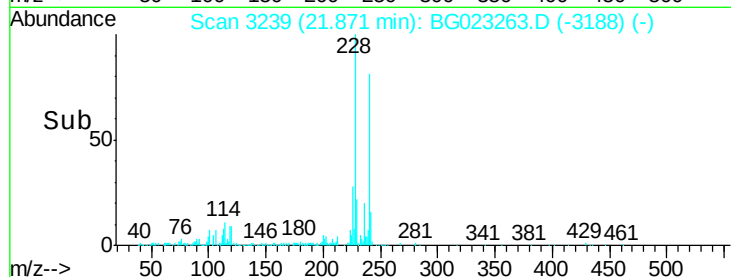
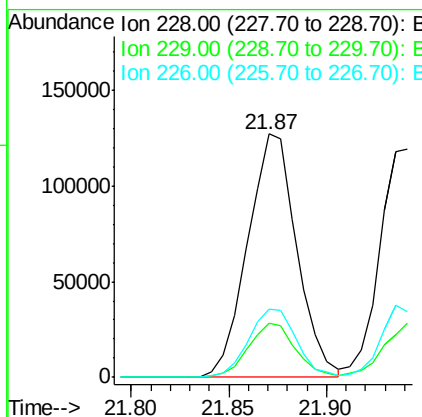
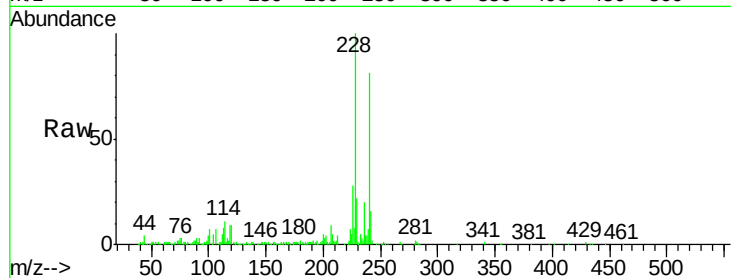
MDL-06-S-ML

Tgt Ion:	228	Resp:	220153
Ion Ratio	Lower	Upper	
228	100		
229	22.1	15.4	23.2
226	28.2	22.8	34.2

Manual Integrations

SOHIL

7/26/2016 11:41:15 AM



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.62 ng/ul

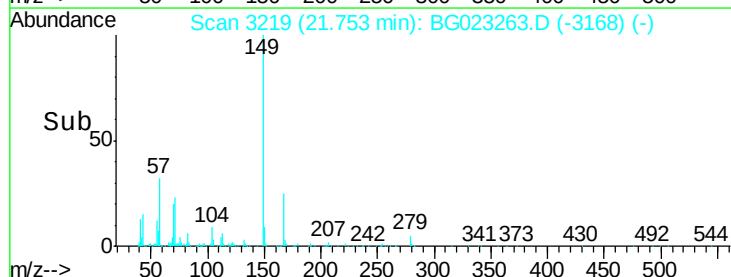
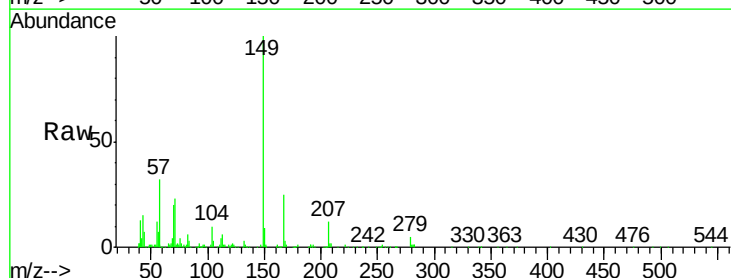
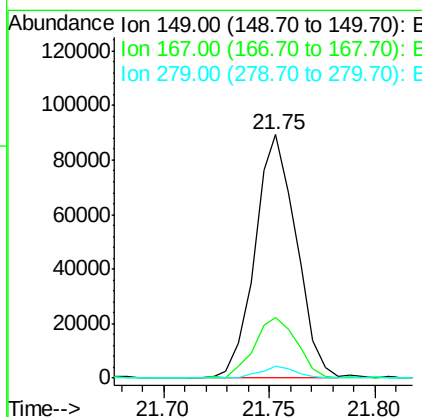
RT: 21.75 min Scan# 3219

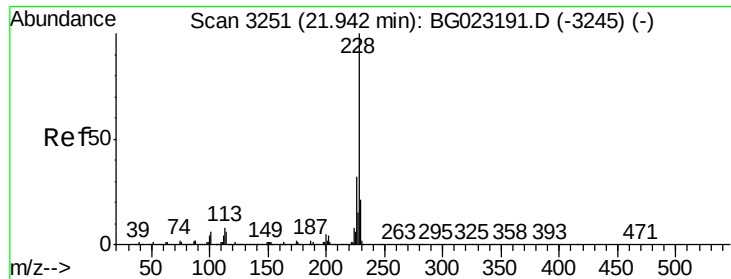
Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion:	149	Resp:	121349
Ion Ratio	Lower	Upper	
149	100		
167	24.6	21.9	32.9
279	4.8	2.9	4.3#





#82

Chrysene

Concen: 3.00 ng/ul m

RT: 21.94 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

MDL-06-S-ML

Tgt Ion: 228 Resp: 207258

Ion Ratio Lower Upper

228 100

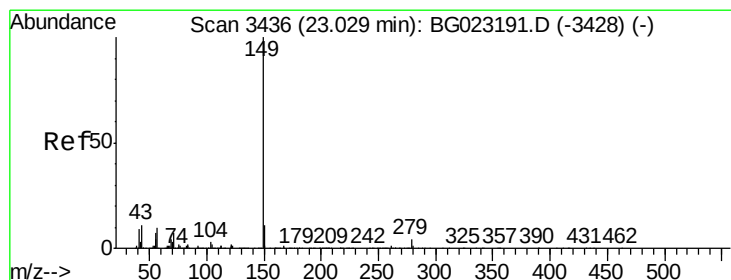
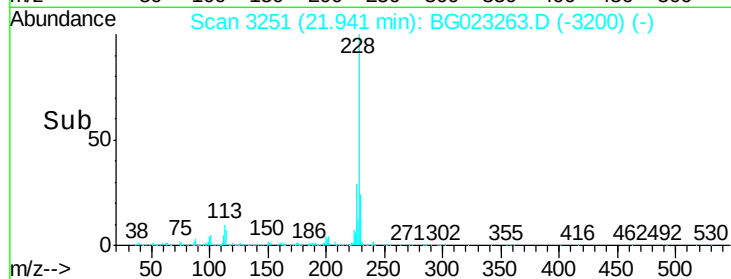
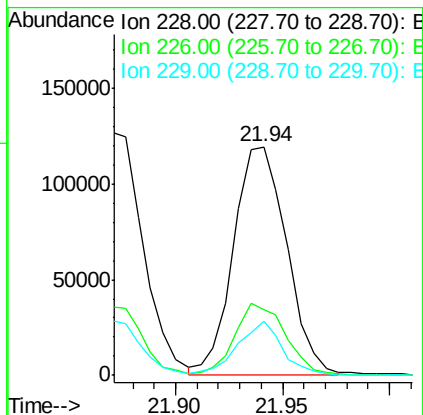
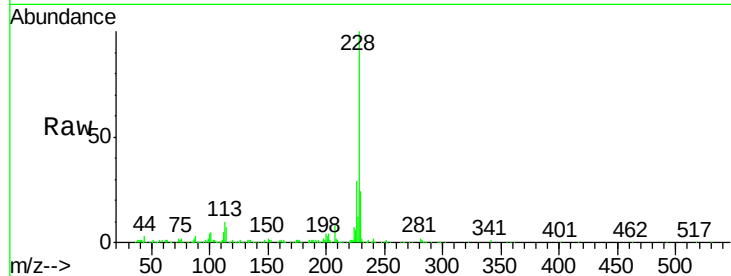
226 28.8 24.2 36.4

229 23.6 15.0 22.6#

Manual Integrations

SOHIL

7/26/2016 11:41:15 AM



#84

Di-n-octyl phthalate

Concen: 2.84 ng/ul

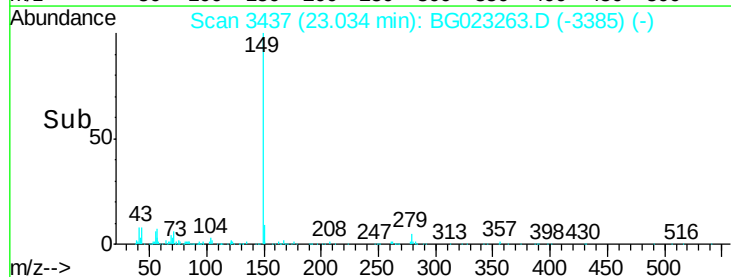
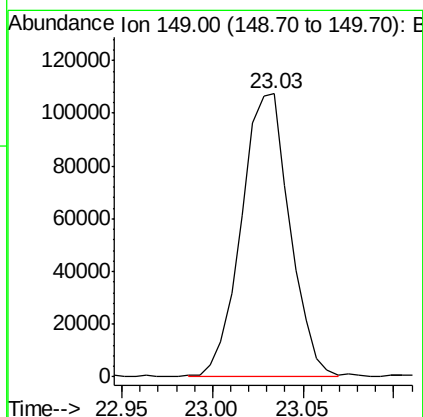
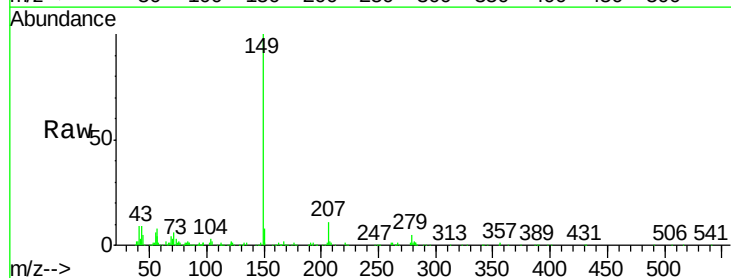
RT: 23.03 min Scan# 3437

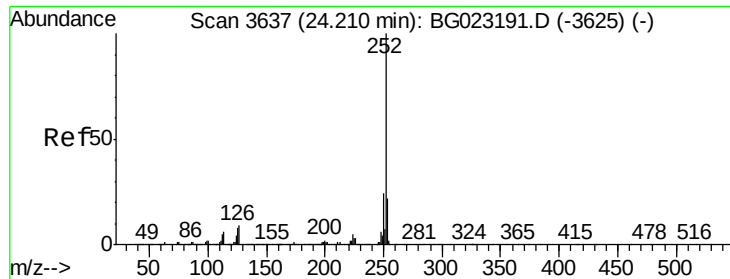
Delta R.T. 0.00 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion: 149 Resp: 199919





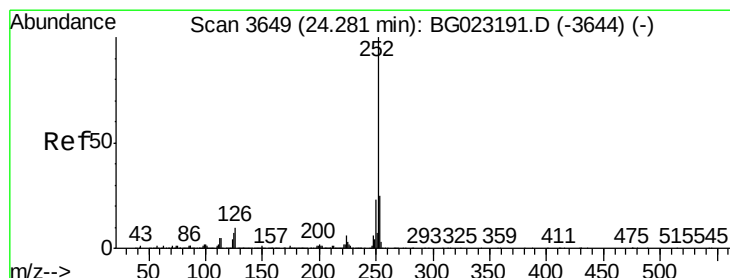
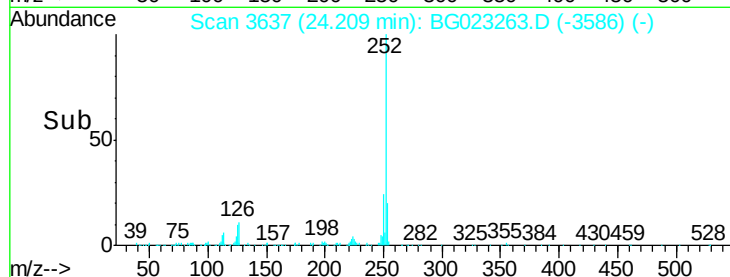
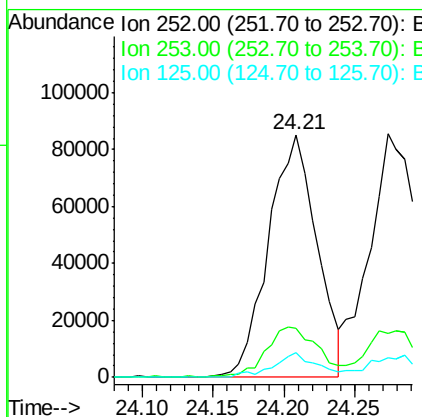
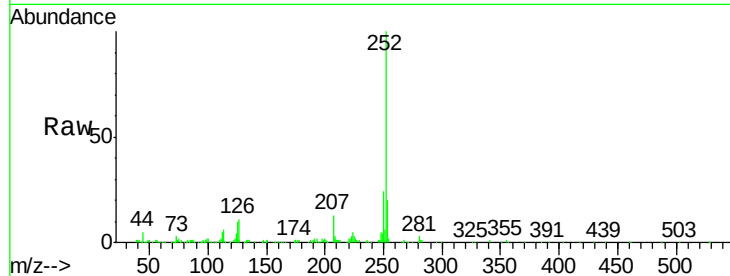
#85
Benzo(b)fluoranthene
Concen: 2.63 ng/ul
RT: 24.21 min Scan# 3637
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	18.2	27.2
125	10.3	10.8	16.2

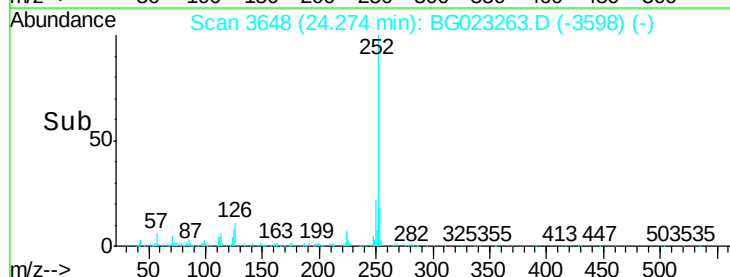
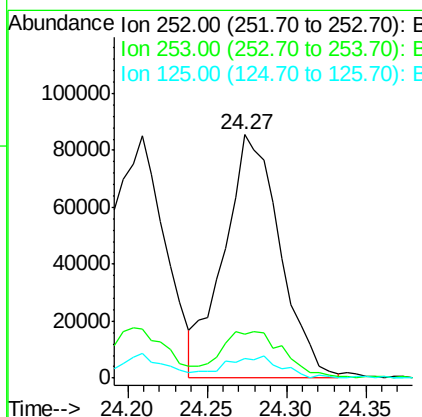
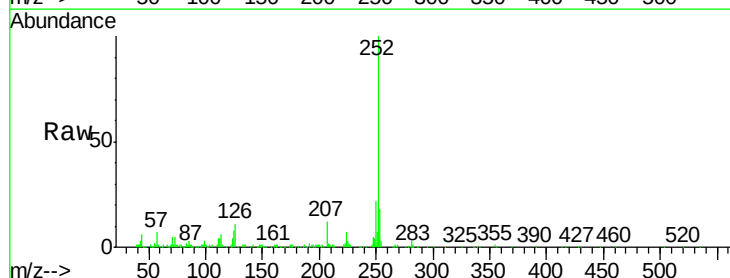
Manual Integrations

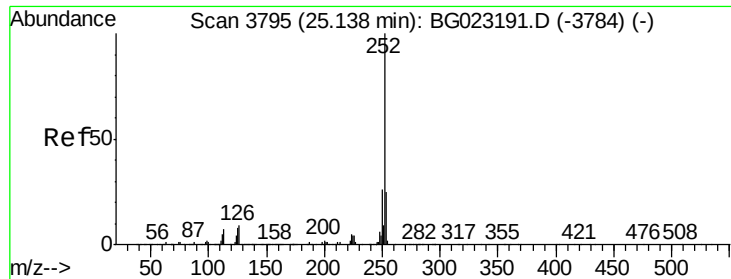
SOHIL
7/26/2016 11:41:15 AM



#86
Benzo(k)fluoranthene
Concen: 2.86 ng/ul
RT: 24.27 min Scan# 3648
Delta R.T. -0.01 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.3	15.8	23.6
125	8.2	10.6	16.0





#88

Benzo(a)pyrene

Concen: 2.83 ng/ul

RT: 25.13 min Scan# 3794

Delta R.T. -0.01 min

Lab File: BG023263.D

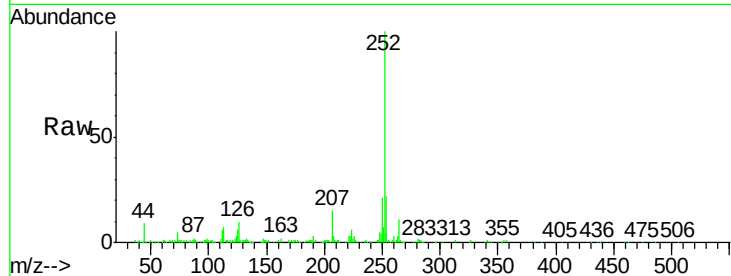
Acq: 25 Jul 2016 22:40

Instrument :

BNA_G

ClientSampleId :

MDL-06-S-ML

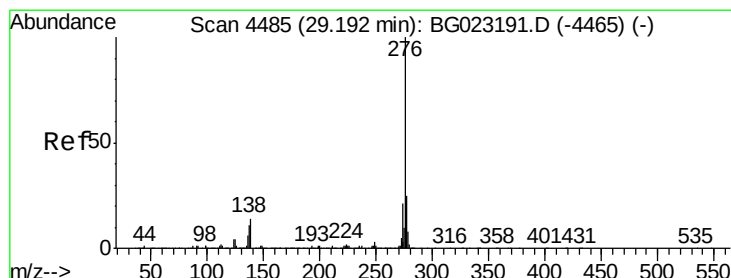
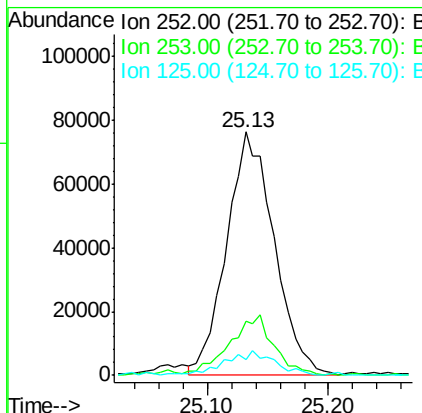
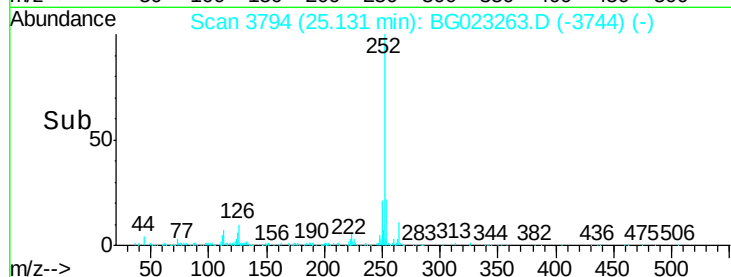


Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.0	28.4
125	6.5	12.0	18.0#

Manual Integrations

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7/26/2016 11:41:15 AM



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.53 ng/ul m

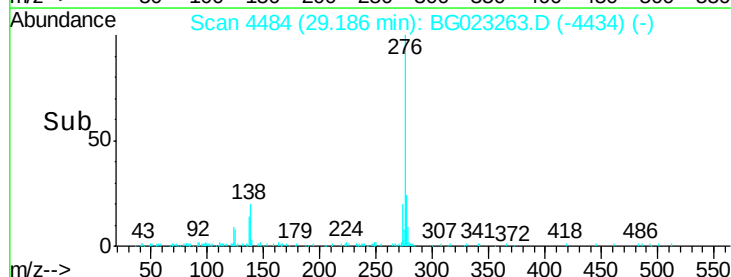
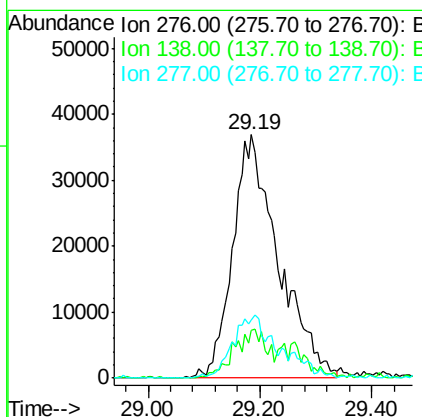
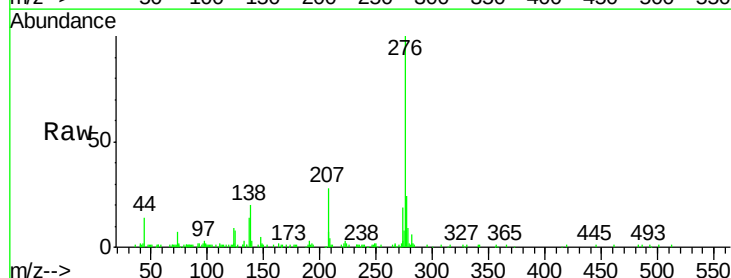
RT: 29.19 min Scan# 4484

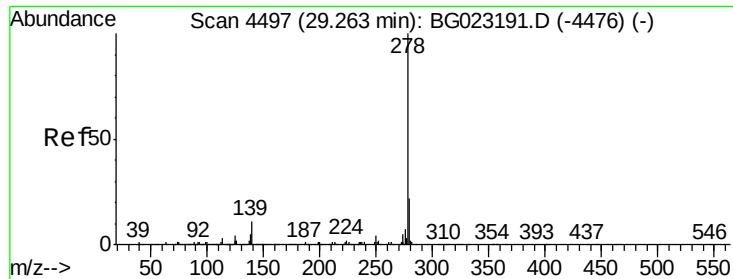
Delta R.T. -0.01 min

Lab File: BG023263.D

Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	20.8	31.2#
277	23.7	17.6	26.4





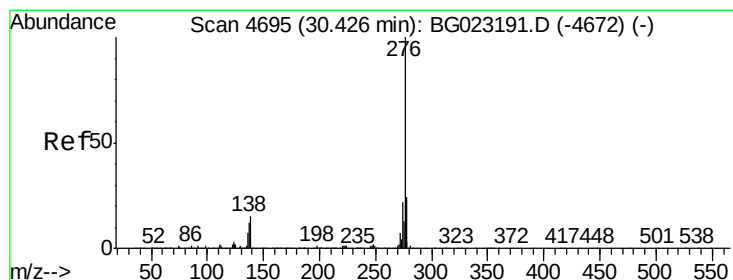
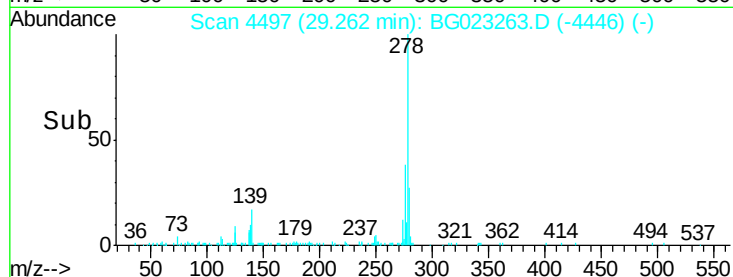
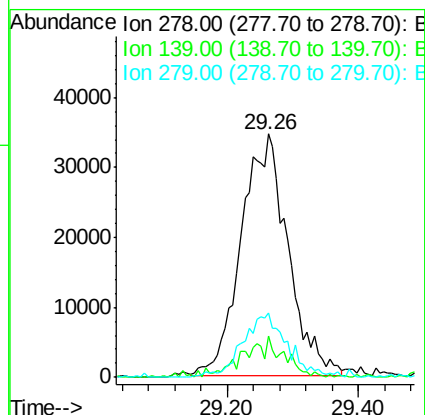
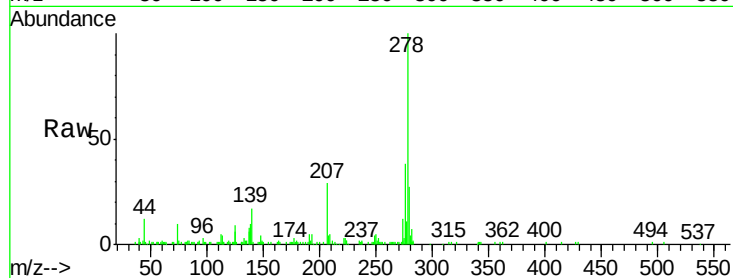
#90
Dibenzo(a,h)anthracene
Concen: 2.47 ng/ul m
RT: 29.26 min Scan# 4497
Delta R.T. -0.00 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Instrument :
BNA_G
ClientSampleId :
MDL-06-S-ML

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	16.3	24.5
279	26.6	19.1	28.7

Manual Integrations

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7/26/2016 11:41:15 AM



#91
Benzo(g,h,i)perylene
Concen: 2.58 ng/ul m
RT: 30.40 min Scan# 4690
Delta R.T. -0.03 min
Lab File: BG023263.D
Acq: 25 Jul 2016 22:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	22.1	33.1#
277	26.9	17.0	25.4#

