

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
 Data File : BG023253.D
 Acq On : 25 Jul 2016 15:02
 Operator : UM/SJ
 Sample : MDL-05-S
 Misc : MDL 4PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-05-S

Manual Integrations

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 SOHIL
 7/26/2016 11:40:44 AM

Quant Time: Jul 25 15:46:18 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	8.14	152	121394	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	602404	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	427210	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	1010546	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1063715	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	1044247	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	7113	2.65	ng/uL	0.00
5) Phenol-d5	7.29	99	351224m	28.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	252068	30.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	240942	28.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	264518	27.16	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	134957	28.01	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	151351	26.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	260661	24.64	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	375796	34.31	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1084020	30.52	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1220611	30.23	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	154908	24.71	ng/ul	0.00
57) Fluorene-d10	15.81	176	968729	30.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	192886	27.74	ng/ul	0.00
70) Anthracene-d10	17.68	188	1517752	32.08	ng/ul	0.00
76) Pyrene-d10	19.96	212	1743886	31.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1609441	32.83	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.53	88	3872m	1.35	ng/uL
4) Benzaldehyde	7.27	77	23853	3.07	ng/ul# 82
6) Phenol	7.32	94	30129	2.31	ng/ul# 74
8) Bis(2-Chloroethyl)ether	7.55	93	25007	2.55	ng/ul# 76
10) 2-Chlorophenol	7.70	128	18334	2.12	ng/ul# 61
11) 2-Methylphenol	8.59	108	20733	2.15	ng/ul 93
12) 2,2'-oxybis(1-Chloropropan	8.67	45	35903	2.71	ng/ul# 88
14) Acetophenone	8.97	105	42166	2.49	ng/ul# 95
15) N-Nitroso-di-n-propylamine	8.94	70	25852	2.31	ng/ul# 91
16) 4-Methylphenol	8.91	108	22713	2.12	ng/ul# 71
17) Hexachloroethane	9.23	117	11135	2.72	ng/ul 84
20) Nitrobenzene	9.36	77	37426	2.41	ng/ul# 78
21) Isophorone	9.88	82	65243	2.20	ng/ul# 89
23) 2-Nitrophenol	10.07	139	14885	2.48	ng/ul# 55
24) 2,4-Dimethylphenol	10.13	107	31141	2.26	ng/ul# 80
25) Bis(2-Chloroethoxy)methane	10.37	93	36242	2.21	ng/ul 98
27) 2,4-Dichlorophenol	10.62	162	22655	2.16	ng/ul# 92
28) Naphthalene	11.03	128	71281	2.35	ng/ul# 93
30) 4-Chloroaniline	11.14	127	31334	2.77	ng/ul# 77
31) Hexachlorobutadiene	11.30	225	19475	2.31	ng/ul 95
32) Caprolactam	11.91	113	9203m	2.12	ng/ul
33) 4-Chloro-3-methylphenol	12.26	107	26669	1.94	ng/ul# 73
34) 2-Methylnaphthalene	12.63	142	56871	2.27	ng/ul 93

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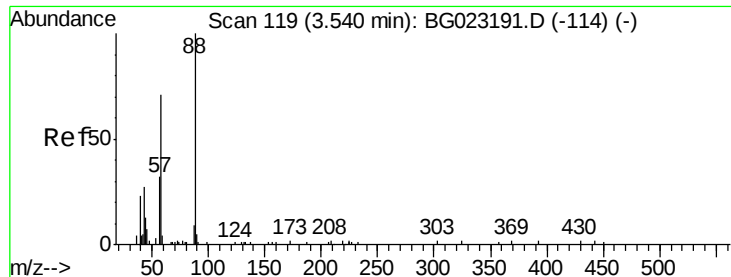
Manual Integrations

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Quant Time: Jul 25 15:46:18 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	35994	2.53	ng/ul	93
37) Hexachlorocyclopentadiene	12.98	237	16128	1.74	ng/ul#	90
38) 2,4,6-Trichlorophenol	13.24	196	19045m	1.93	ng/ul	
39) 2,4,5-Trichlorophenol	13.32	196	19727	1.96	ng/ul	90
40) 1,1'-Biphenyl	13.64	154	81114	2.53	ng/ul	91
41) 2-Chloronaphthalene	13.69	162	65397	2.53	ng/ul	99
42) 2-Nitroaniline	13.89	65	25322	2.20	ng/ul#	57
44) Dimethylphthalate	14.25	163	93020	2.59	ng/ul	100
45) 2,6-Dinitrotoluene	14.38	165	16963	2.17	ng/ul#	68
47) Acenaphthylene	14.53	152	109331	2.67	ng/ul	98
48) 3-Nitroaniline	14.71	138	16672	2.50	ng/ul#	63
49) Acenaphthene	14.87	153	71662	2.59	ng/ul	93
50) 2,4-Dinitrophenol	14.93	184	4680	0.96	ng/ul#	81
52) 4-Nitrophenol	15.03	109	14572	1.95	ng/ul#	58
53) Dibenzofuran	15.21	168	111227	2.73	ng/ul#	77
54) 2,4-Dinitrotoluene	15.17	165	27111	2.28	ng/ul#	70
55) 2,3,4,6-Tetrachlorophenol	15.44	232	20802	2.05	ng/ul#	96
56) Diethylphthalate	15.61	149	93050	2.43	ng/ul	97
58) Fluorene	15.86	166	92417	2.75	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.85	204	46702	2.54	ng/ul	98
60) 4-Nitroaniline	15.88	138	18129	2.21	ng/ul#	24
63) 4,6-Dinitro-2-methylphenol	15.94	198	17938	2.44	ng/ul#	62
64) N-Nitrosodiphenylamine	16.07	169	77148	2.64	ng/ul	95
65) 4-Bromophenyl-phenylether	16.75	248	29228	2.51	ng/ul	98
66) Hexachlorobenzene	16.87	284	31199	2.62	ng/ul#	88
67) Atrazine	17.02	200	25463	2.04	ng/ul#	85
68) Pentachlorophenol	17.22	266	9881	1.34	ng/ul	95
69) Phenanthrene	17.62	178	150370	2.89	ng/ul	96
71) Anthracene	17.71	178	159921	2.93	ng/ul	96
72) Carbazole	17.98	167	125921	2.93	ng/ul	94
73) Di-n-butylphthalate	18.52	149	161244	2.71	ng/ul#	97
74) Fluoranthene	19.63	202	183948	3.36	ng/ul#	88
77) Pyrene	19.99	202	198989	3.08	ng/ul#	87
78) Butylbenzylphthalate	20.87	149	64407	2.29	ng/ul#	73
79) 3,3'-Dichlorobenzidine	21.79	252	46074	2.17	ng/ul#	90
80) Benzo(a)anthracene	21.87	228	183124	2.90	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.76	149	94866	2.47	ng/ul#	96
82) Chrysene	21.95	228	167956	2.93	ng/ul	97
84) Di-n-octyl phthalate	23.03	149	161763	2.80	ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	173421	2.73	ng/ul#	92
86) Benzo(k)fluoranthene	24.29	252	164736	2.74	ng/ul#	93
88) Benzo(a)pyrene	25.14	252	169605	2.80	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	29.20	276	175670m	2.58	ng/ul	
90) Dibenzo(a,h)anthracene	29.27	278	144447m	2.57	ng/ul	
91) Benzo(g,h,i)perylene	30.40	276	147136m	2.61	ng/ul	

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



#2

1,4-Dioxane

Concen: 1.35 ng/uL m

RT: 3.53 min Scan# 118

Delta R.T. -0.01 min

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Instrument :

BNA_G

ClientSampleId :

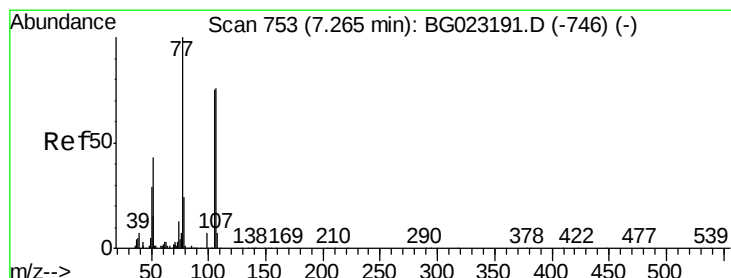
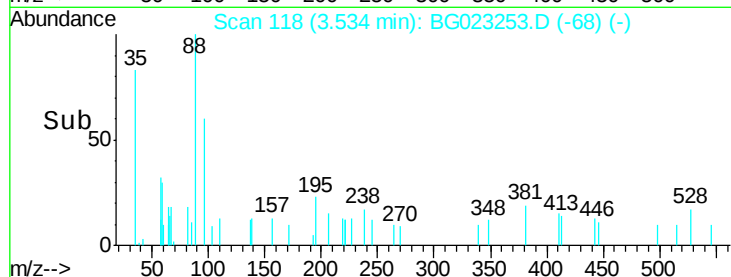
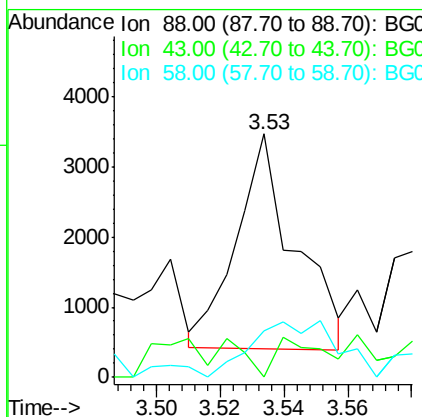
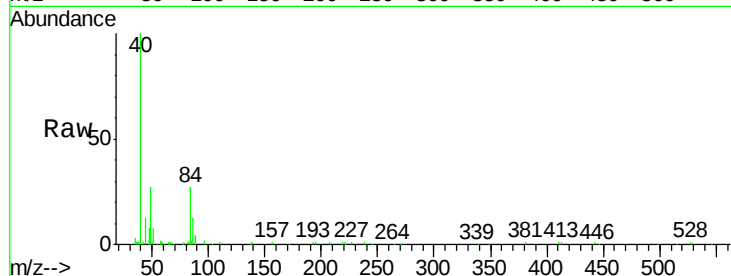
MDL-05-S

Tgt Ion:	88	Resp:	3872
Ion Ratio	Lower	Upper	
88	100		
43	0.0	16.6	24.8#
58	37.0	47.2	70.8#

Manual Integrations

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#4

Benzaldehyde

Concen: 3.07 ng/uL

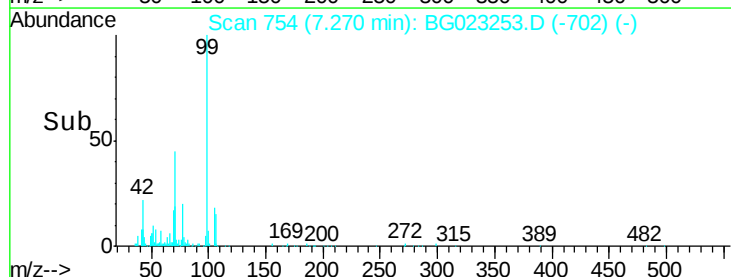
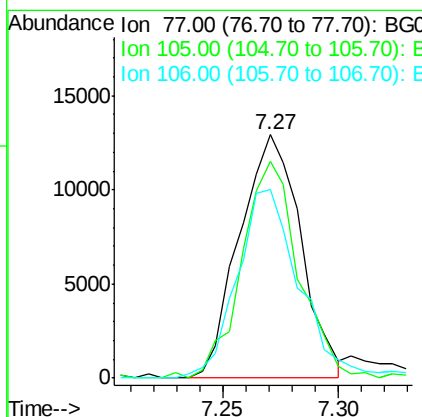
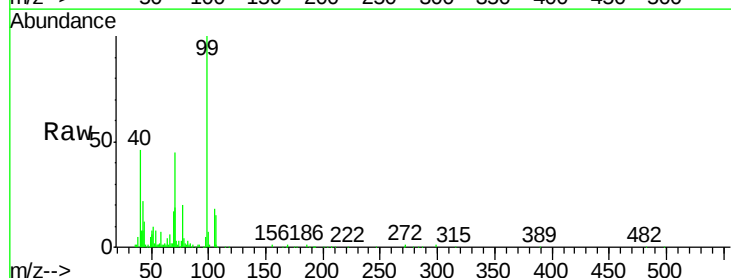
RT: 7.27 min Scan# 754

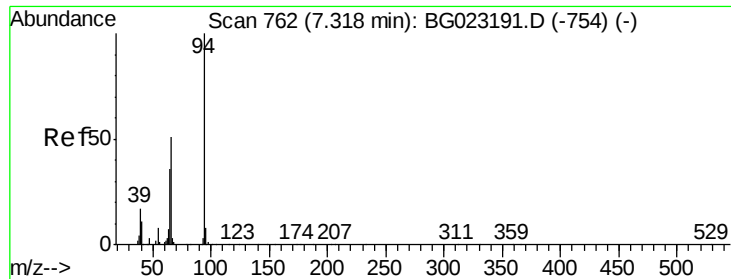
Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	77	Resp:	23853
Ion Ratio	Lower	Upper	
77	100		
105	89.2	83.8	125.8
106	77.3	77.9	116.9#





#6

Phenol

Concen: 2.31 ng/ul

RT: 7.32 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampled :

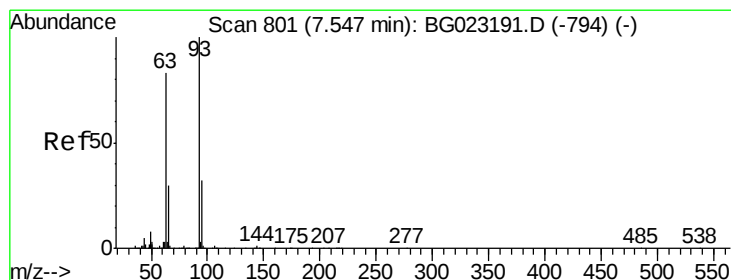
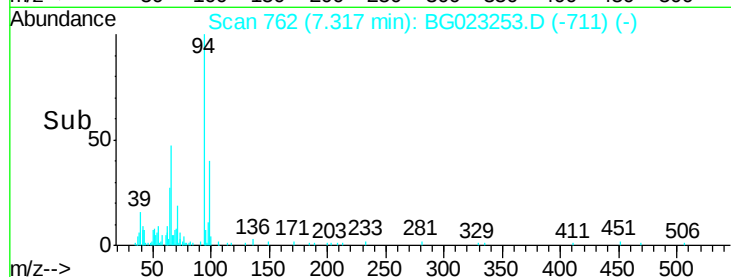
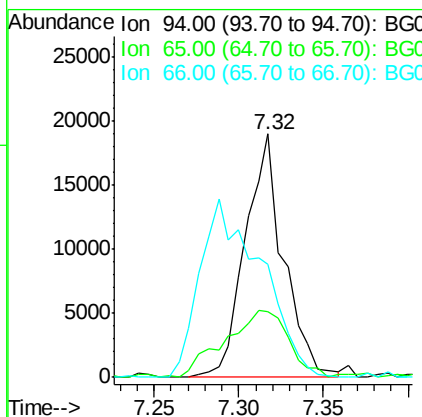
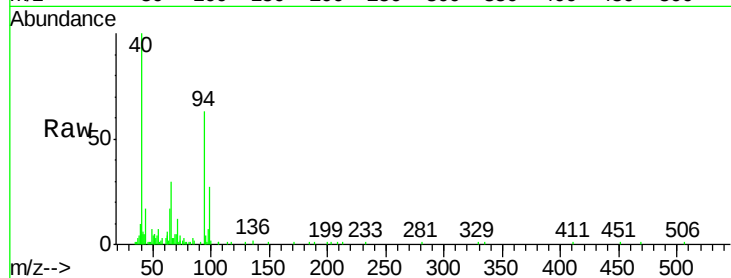
MDL-05-S

Tgt Ion:	94	Resp:	30129
Ion Ratio	Lower	Upper	
94	100		
65	27.2	16.8	25.2#
66	46.6	22.6	33.8#

Manual Integrations

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#8

Bis(2-Chloroethyl)ether

Concen: 2.55 ng/ul

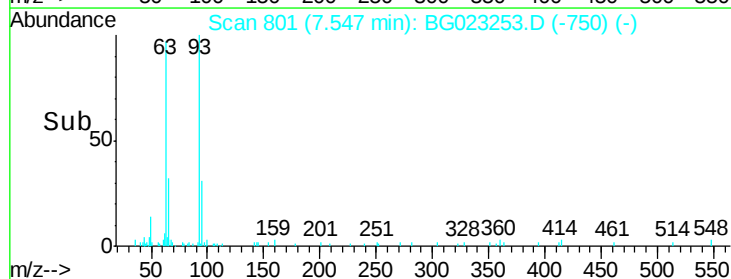
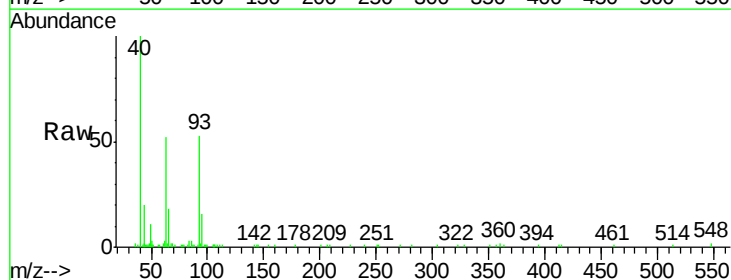
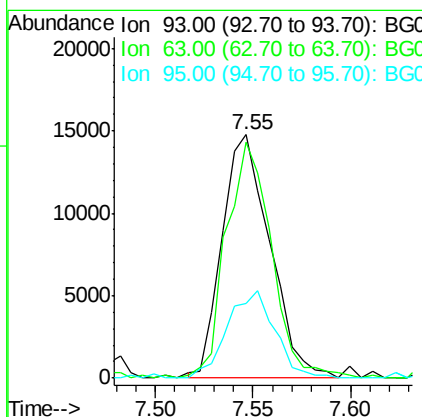
RT: 7.55 min Scan# 801

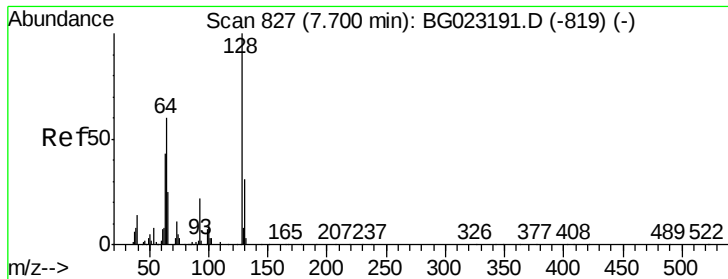
Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	93	Resp:	25007
Ion Ratio	Lower	Upper	
93	100		
63	96.9	56.0	84.0#
95	30.7	27.7	41.5





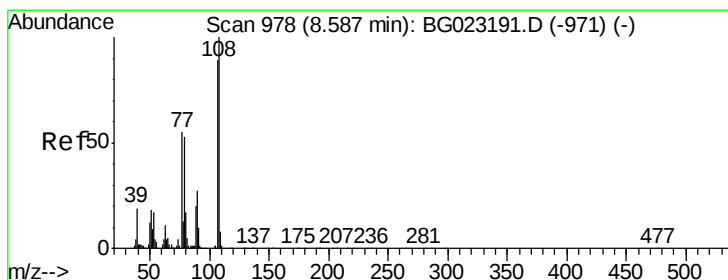
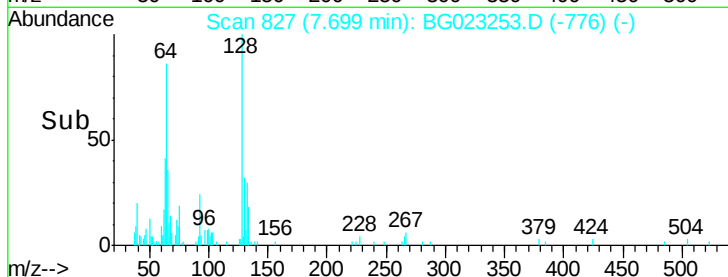
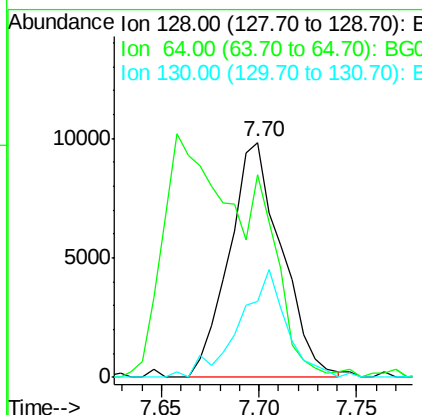
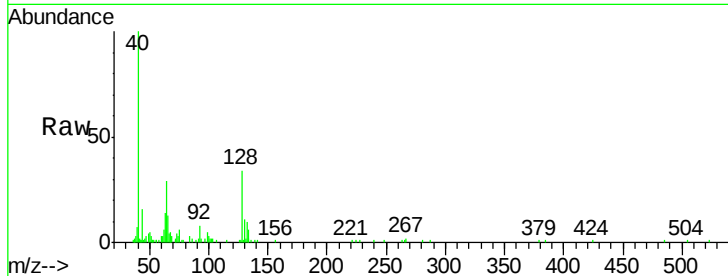
#10
2-Chlorophenol
Concen: 2.12 ng/ul
RT: 7.70 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
128	100		
64	86.5	34.2	51.4#
130	32.4	27.0	40.4

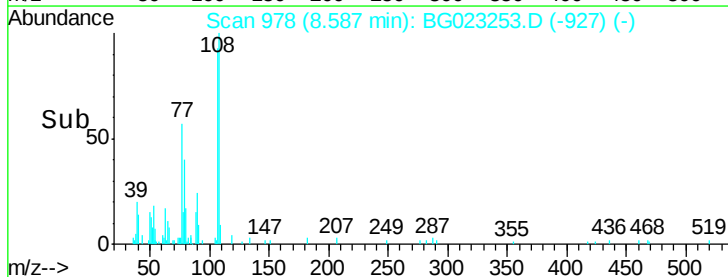
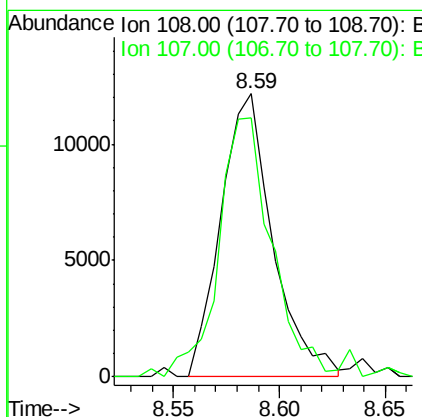
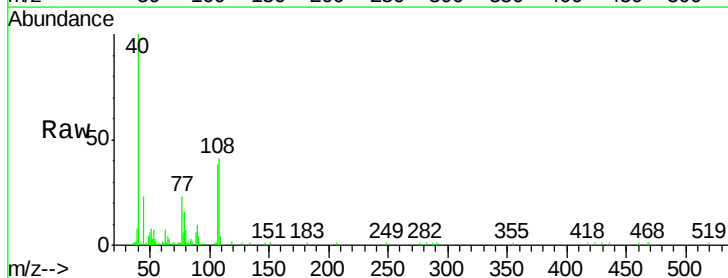
Manual Integrations

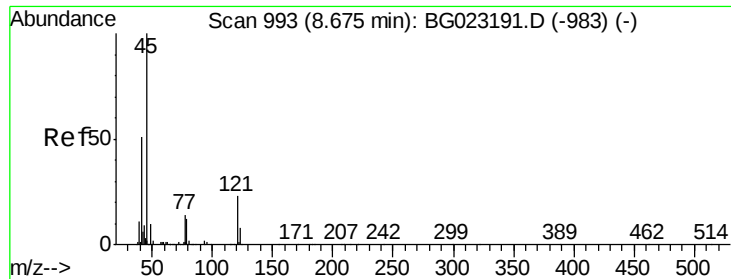
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#11
2-Methylphenol
Concen: 2.15 ng/ul
RT: 8.59 min Scan# 978
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.5	78.6	117.8





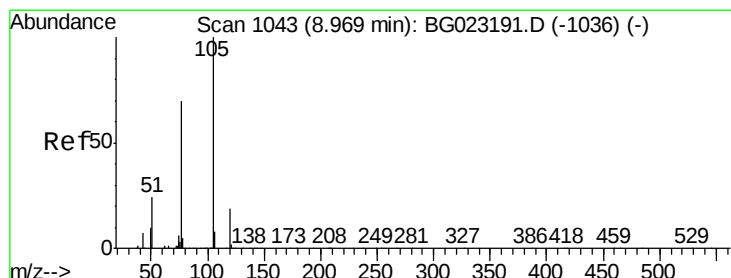
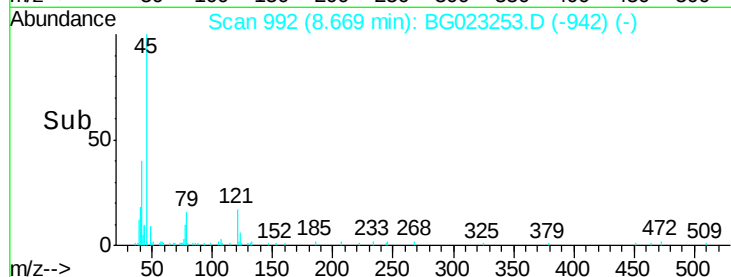
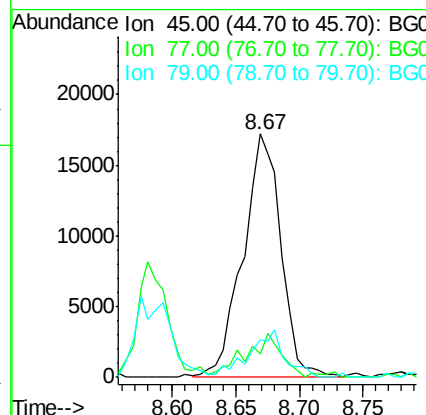
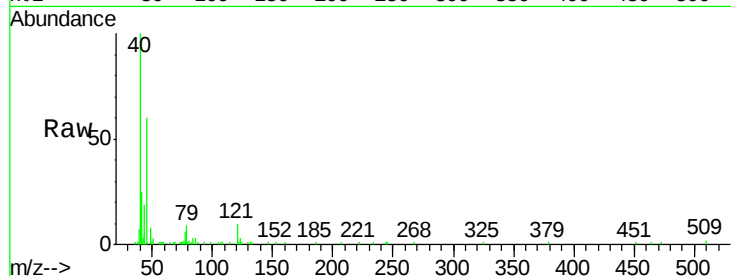
#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.71 ng/ul
RT: 8.67 min Scan# 992
Delta R.T. -0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

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Tgt Ion	Ratio	Lower	Upper
45	100		
77	9.6	13.4	20.2#
79	15.4	10.2	15.4#

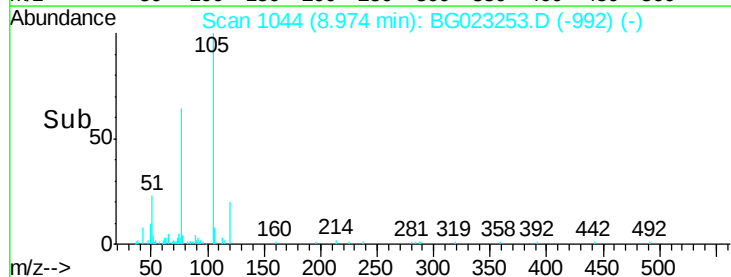
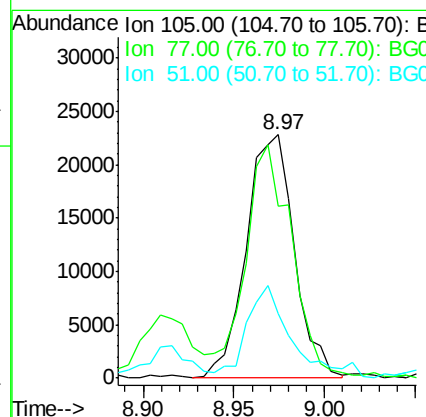
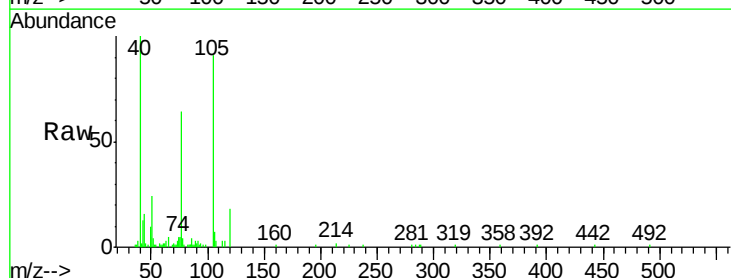
Manual Integrations

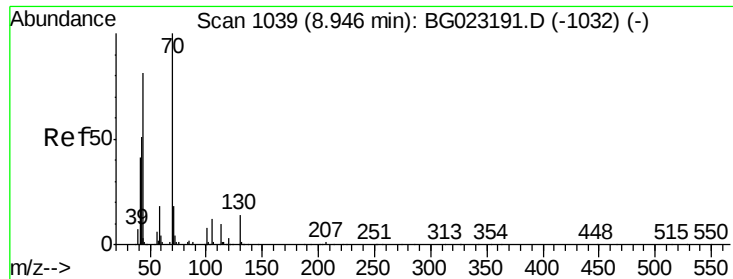
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7/26/2016 11:40:44 AM



#14
Acetophenone
Concen: 2.49 ng/ul
RT: 8.97 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
77	70.8	56.1	84.1
51	26.6	14.6	22.0#





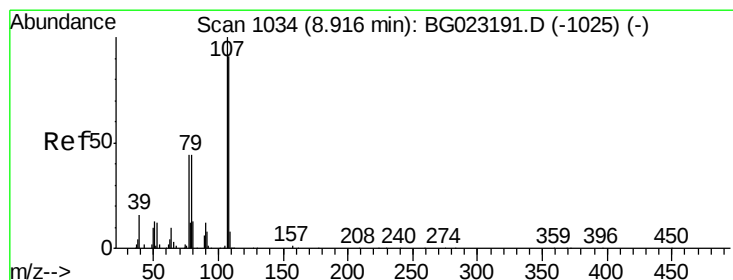
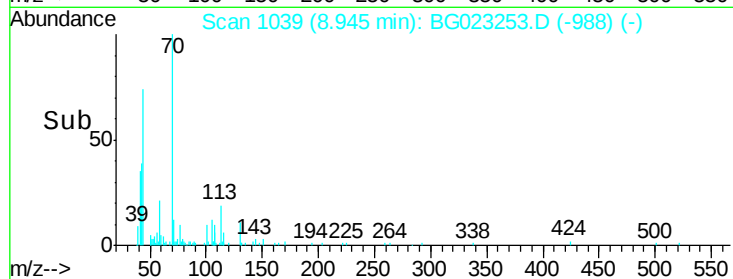
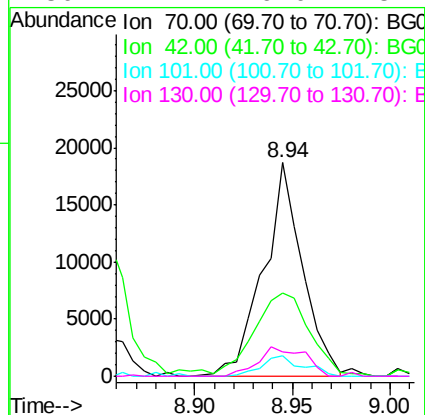
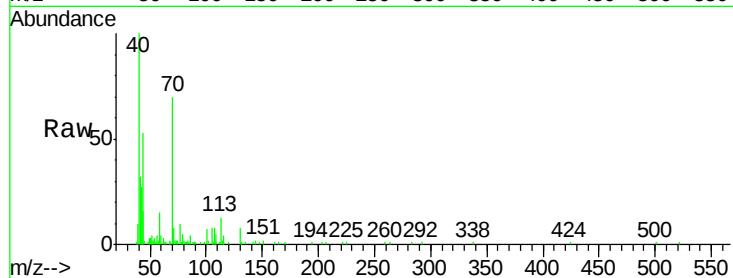
#15
N-Nitroso-di-n-propylamine
Concen: 2.31 ng/ul
RT: 8.94 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
70	100		
42	38.7	31.4	47.2
101	9.8	8.6	13.0
130	11.4	19.0	28.4

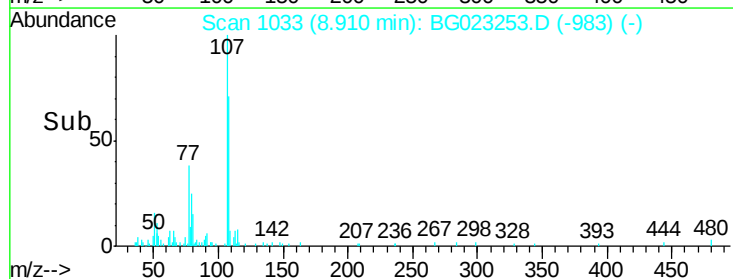
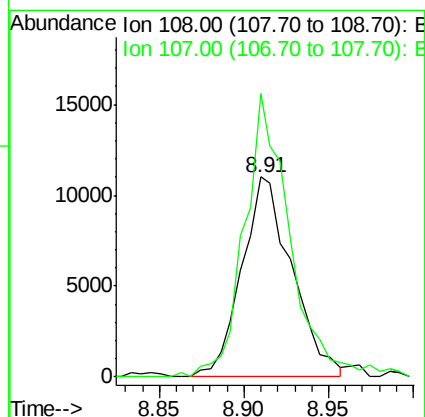
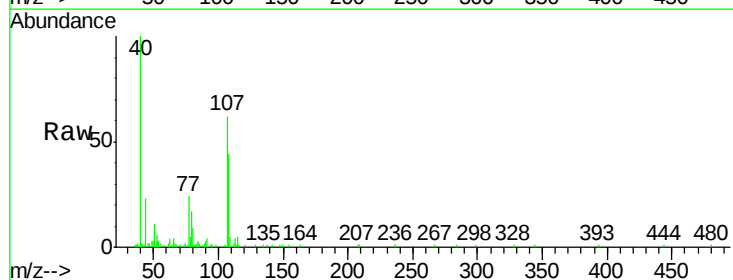
Manual Integrations

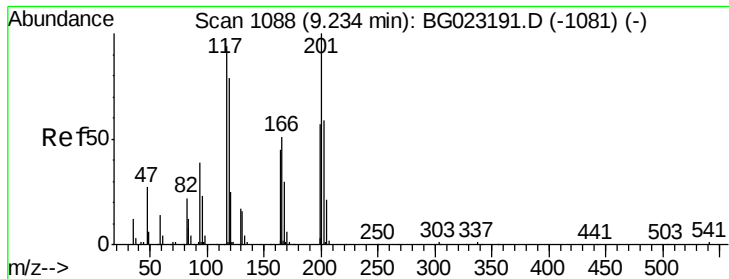
SOHIL
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#16
4-Methylphenol
Concen: 2.12 ng/ul
RT: 8.91 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
108	100		
107	141.5	88.3	132.5





#17

Hexachloroethane

Concen: 2.72 ng/ul

RT: 9.23 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BG023253.D

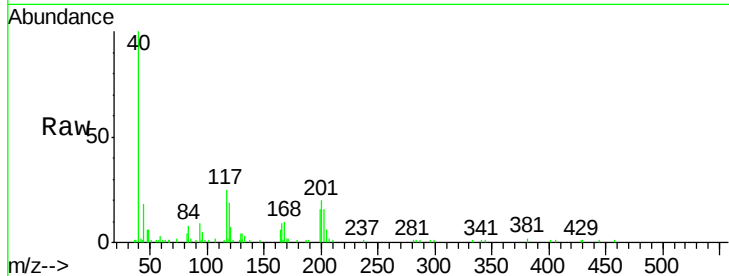
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

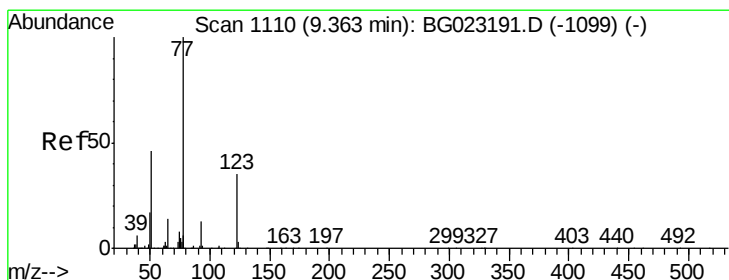
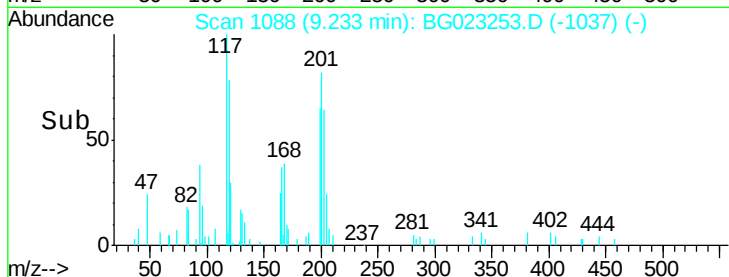
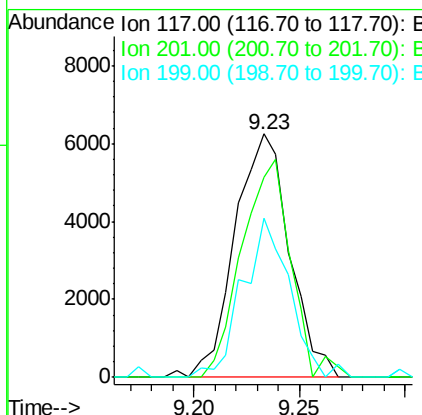


Tgt Ion:	117	Resp:	11135
Ion Ratio	Lower	Upper	
117	100		
201	77.5	76.8	115.2
199	61.4	43.5	65.3

Manual Integrations

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#20

Nitrobenzene

Concen: 2.41 ng/ul

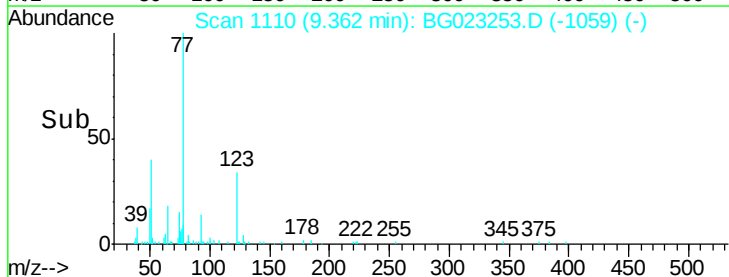
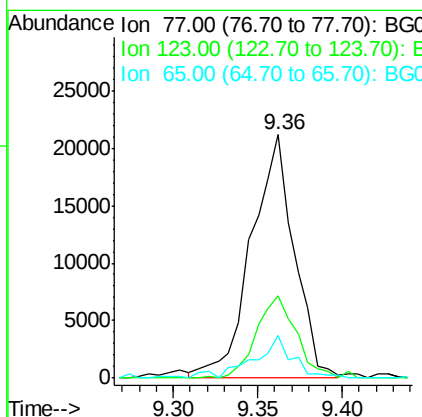
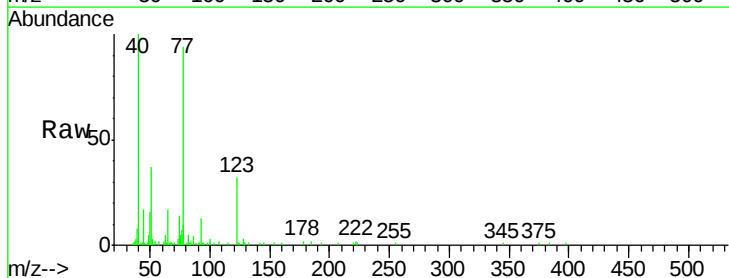
RT: 9.36 min Scan# 1110

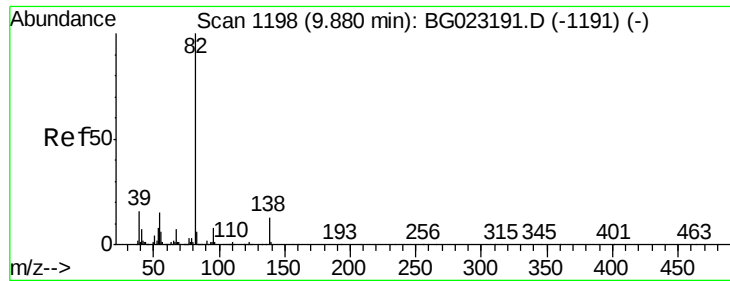
Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	77	Resp:	37426
Ion Ratio	Lower	Upper	
77	100		
123	33.7	39.5	59.3#
65	17.5	9.0	13.4#





#21

Isophorone

Concen: 2.20 ng/ul

RT: 9.88 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BG023253.D

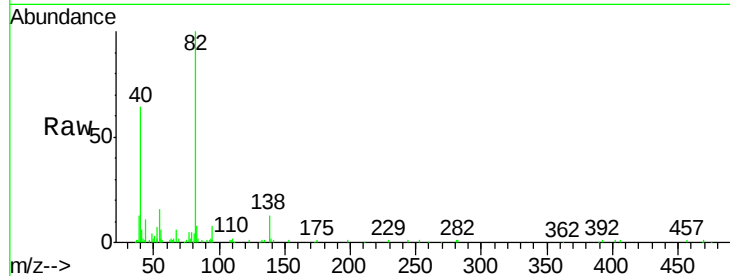
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

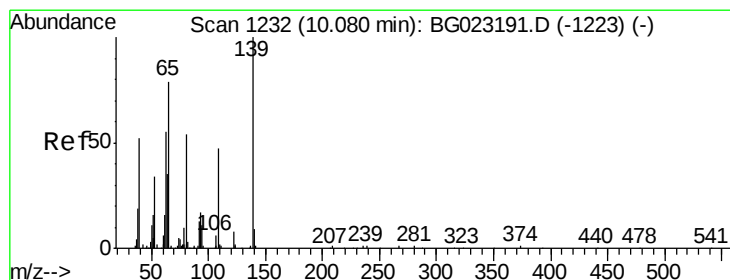
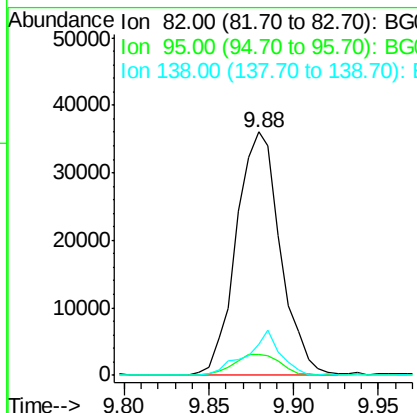
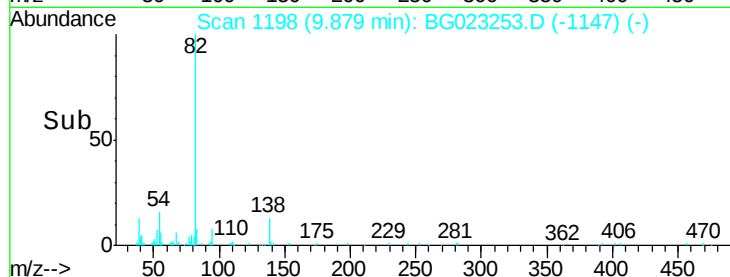


Tgt Ion	Ratio	Lower	Upper
82	100		
95	8.3	5.1	7.7#
138	12.9	15.0	22.6#

Manual Integrations

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#23

2-Nitrophenol

Concen: 2.48 ng/ul

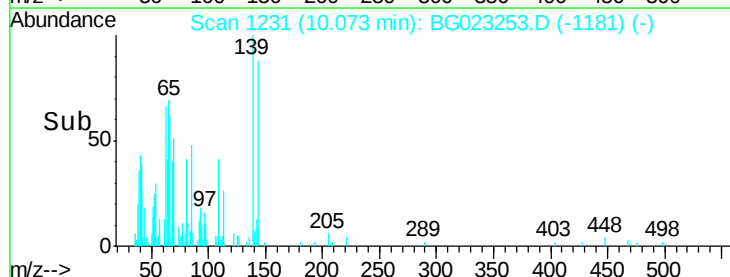
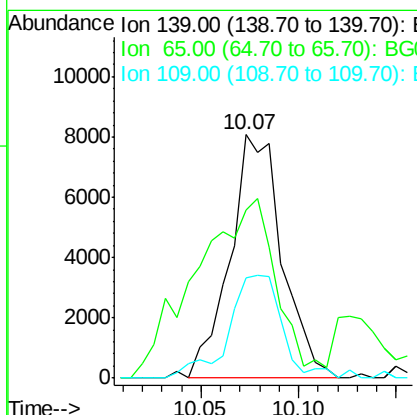
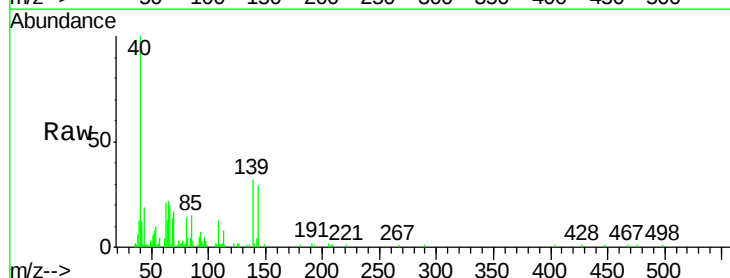
RT: 10.07 min Scan# 1231

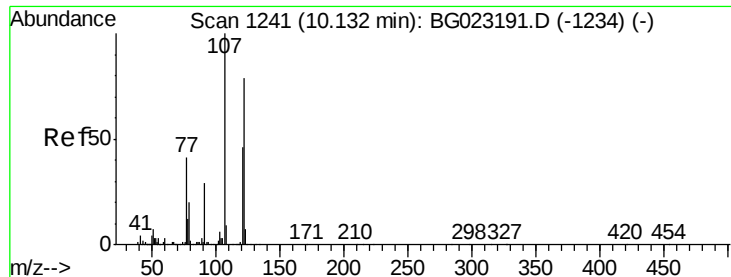
Delta R.T. -0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
139	100		
65	68.9	31.8	47.8#
109	40.9	17.1	25.7#





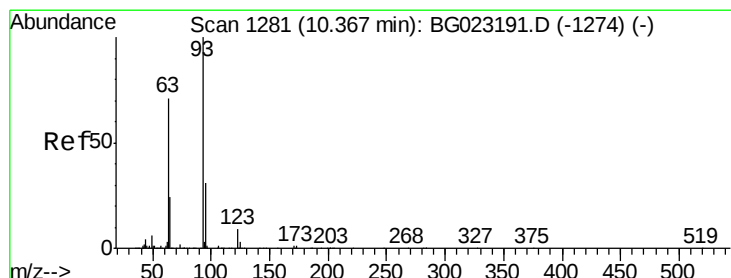
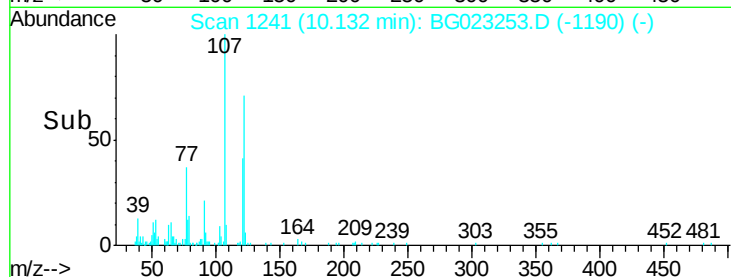
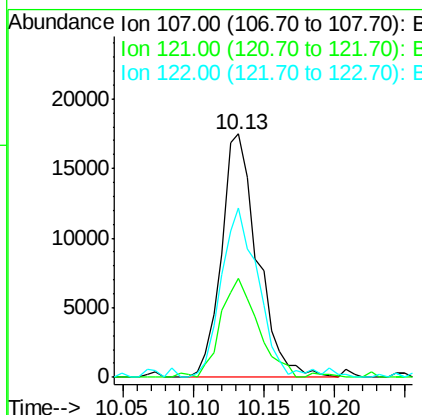
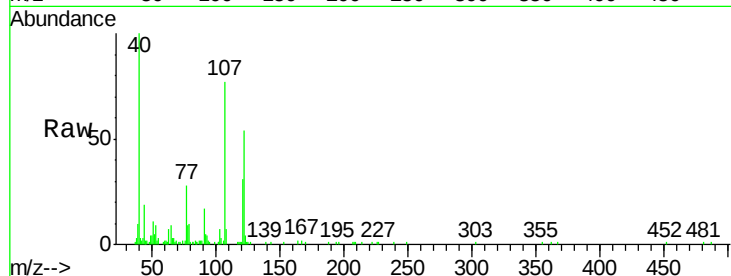
#24
 2,4-Dimethylphenol
 Concen: 2.26 ng/ul
 RT: 10.13 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: BG023253.D
 Acq: 25 Jul 2016 15:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-05-S

Tgt Ion	Ratio	Lower	Upper
107	100		
121	40.5	43.7	65.5#
122	69.8	70.3	105.5#

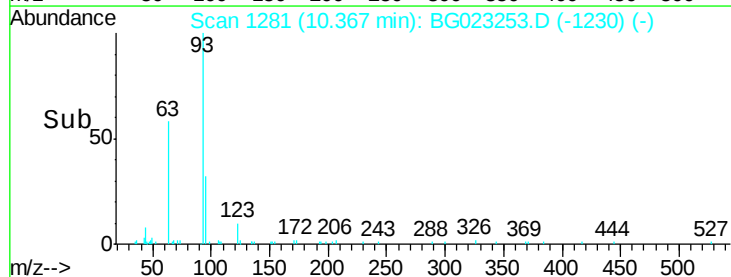
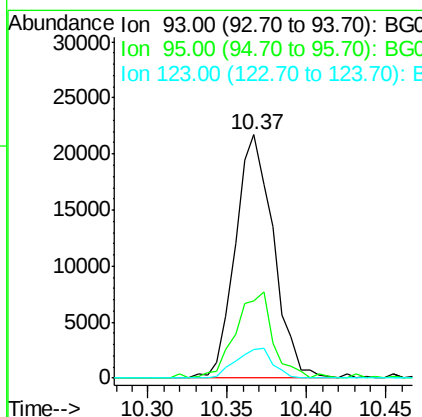
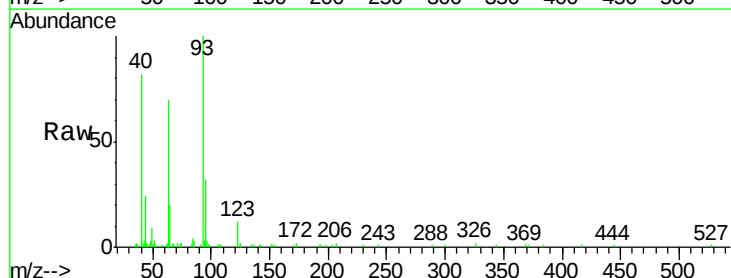
Manual Integrations

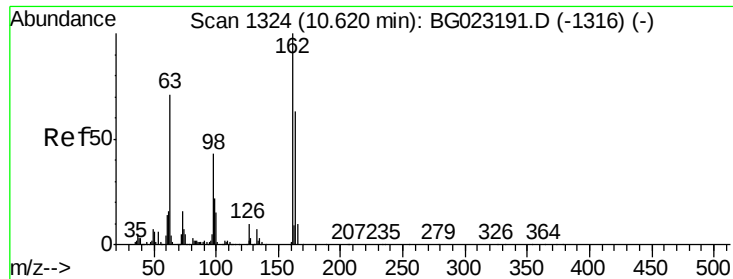
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#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.21 ng/ul
 RT: 10.37 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: BG023253.D
 Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.0	39.0
123	11.9	10.1	15.1





#27

2,4-Dichlorophenol

Concen: 2.16 ng/ul

RT: 10.62 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

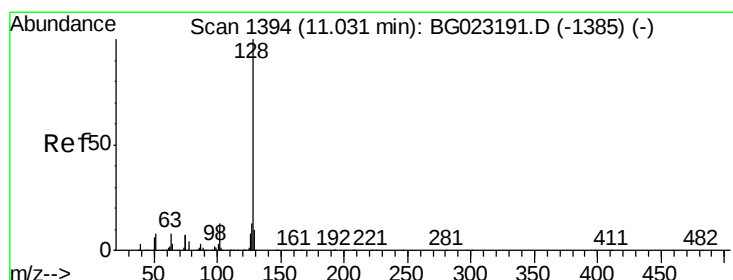
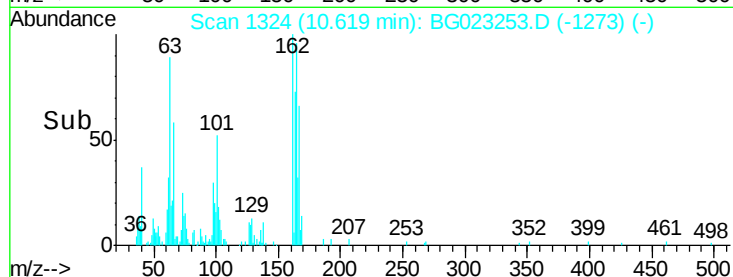
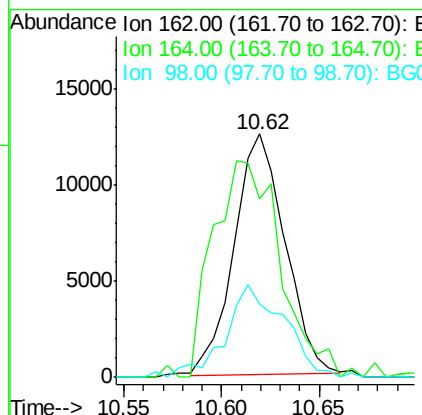
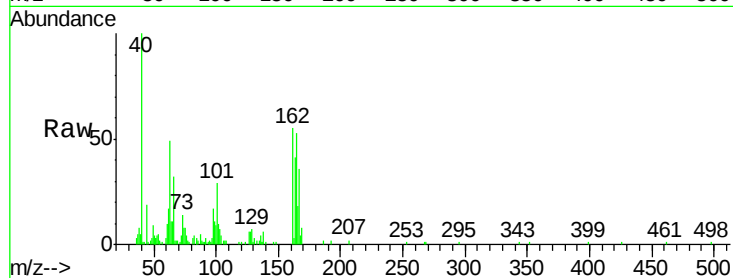
MDL-05-S

Tgt Ion:	162	Resp:	22655
Ion Ratio	Lower	Upper	
162	100		
164	69.1	51.6	77.4
98	28.2	28.3	42.5#

Manual Integrations

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#28

Naphthalene

Concen: 2.35 ng/ul

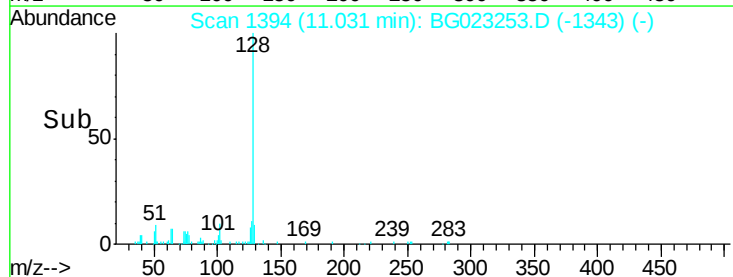
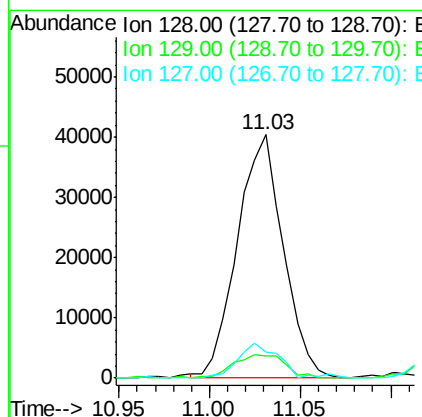
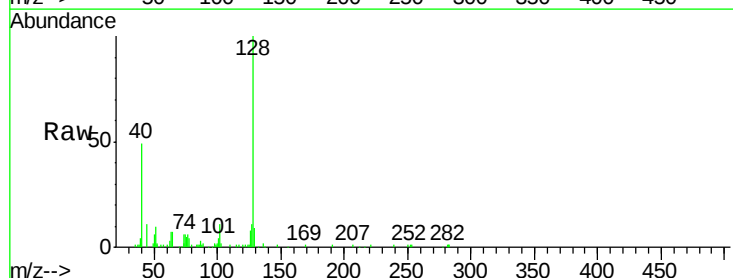
RT: 11.03 min Scan# 1394

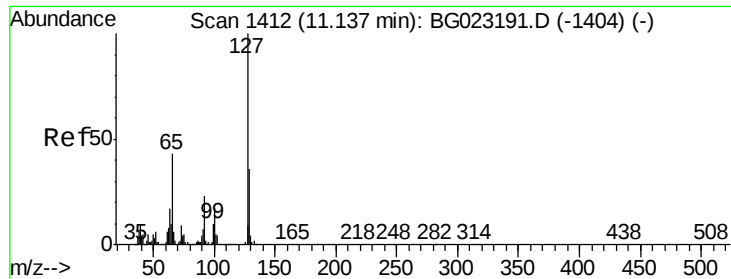
Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	128	Resp:	71281
Ion Ratio	Lower	Upper	
128	100		
129	9.0	9.4	14.2#
127	10.9	11.2	16.8#





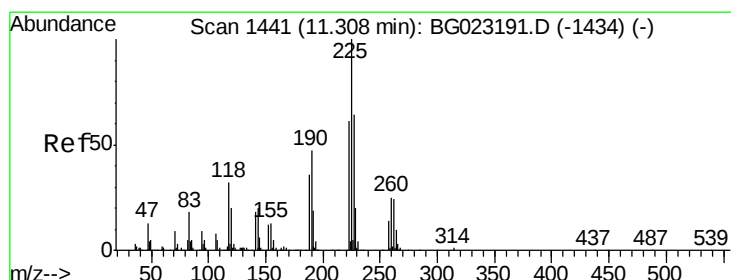
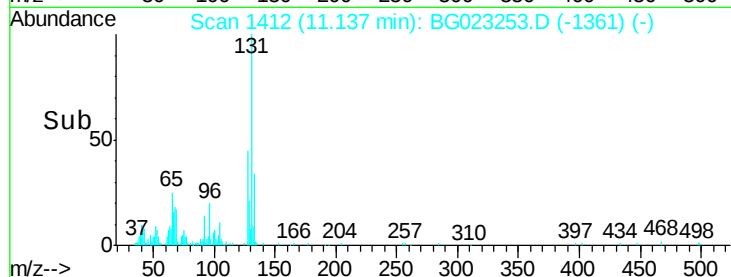
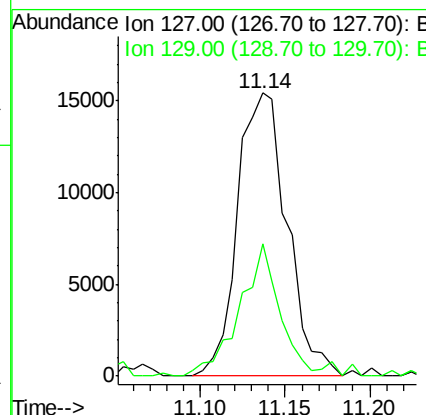
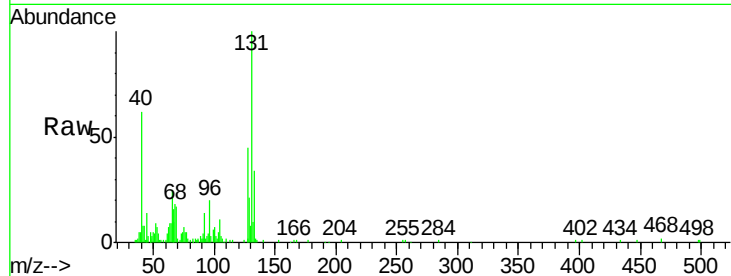
#30
4-Chloroaniline
Concen: 2.77 ng/ul
RT: 11.14 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion:127 Resp: 31334
Ion Ratio Lower Upper
127 100
129 46.5 26.9 40.3#

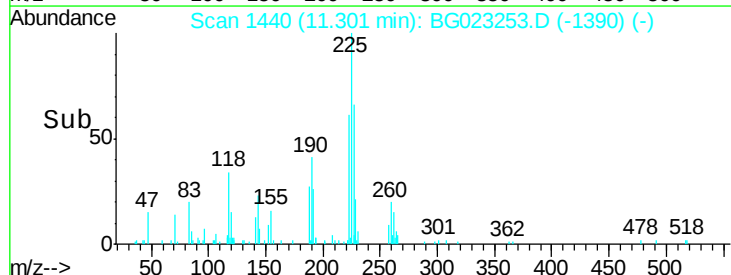
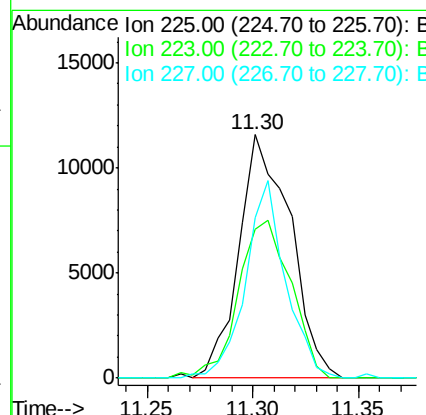
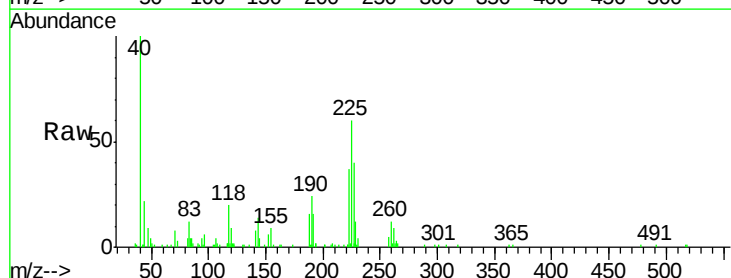
Manual Integrations

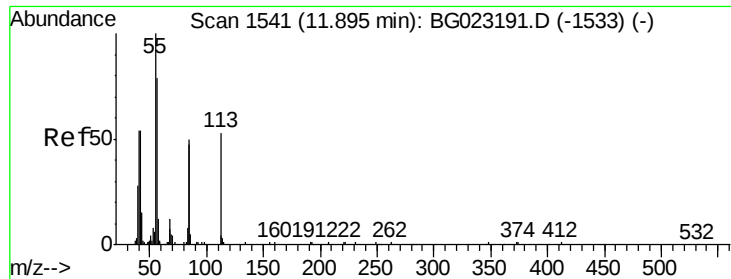
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#31
Hexachlorobutadiene
Concen: 2.31 ng/ul
RT: 11.30 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion:225 Resp: 19475
Ion Ratio Lower Upper
225 100
223 64.0 54.7 82.1
227 69.2 52.2 78.4





#32

Caprolactam

Concen: 2.12 ng/ul m

RT: 11.91 min Scan# 1544

Delta R.T. 0.02 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

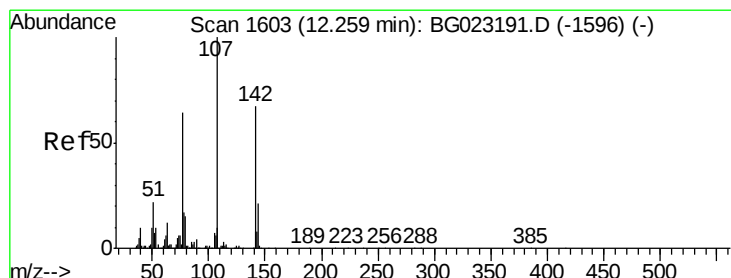
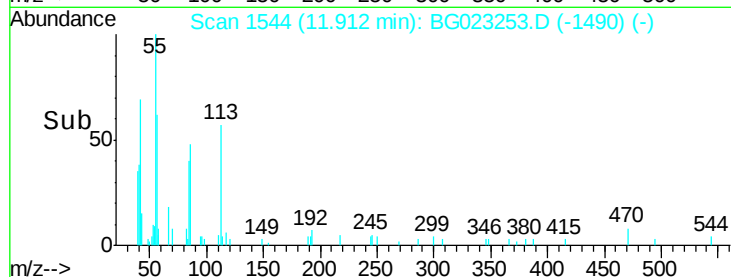
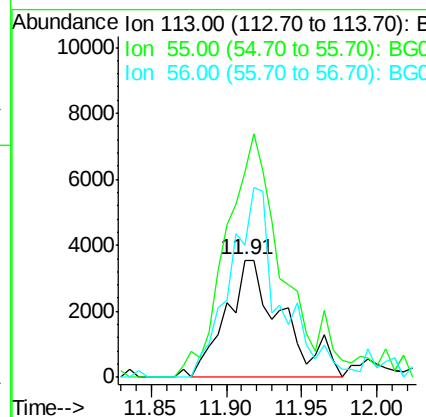
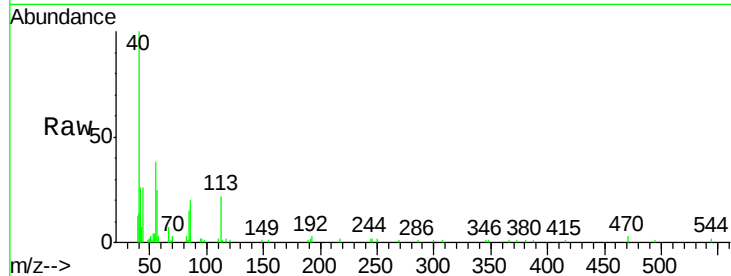
MDL-05-S

Tgt Ion:	113	Resp:	9203
Ion Ratio	Lower	Upper	
113	100		
55	175.4	99.6	149.4#
56	112.9	66.4	99.6#

Manual Integrations

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#33

4-Chloro-3-methylphenol

Concen: 1.94 ng/ul

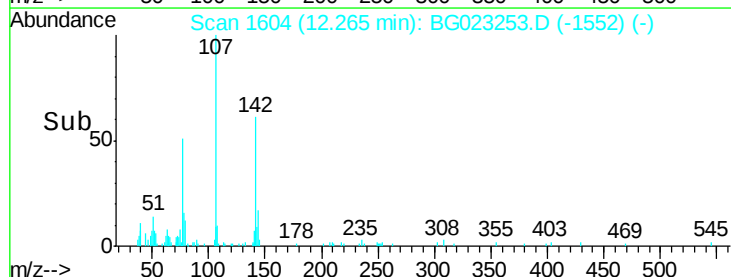
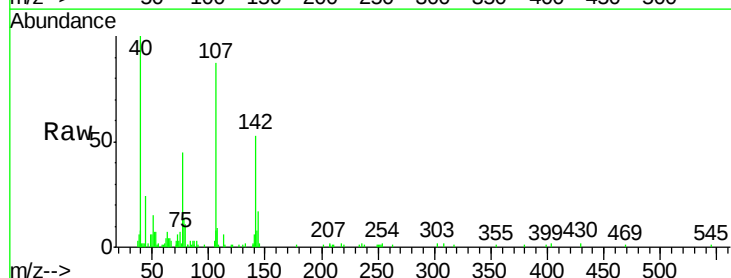
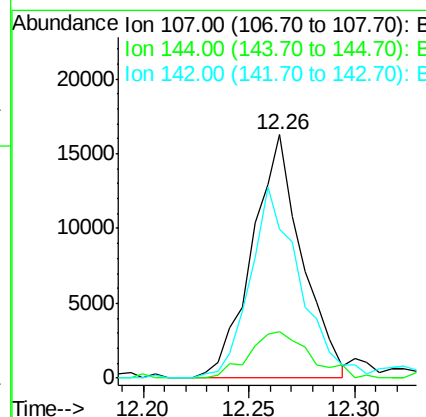
RT: 12.26 min Scan# 1604

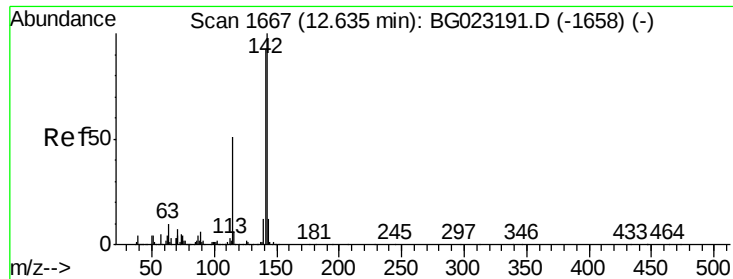
Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	107	Resp:	26669
Ion Ratio	Lower	Upper	
107	100		
144	19.1	22.7	34.1#
142	60.9	71.6	107.4#





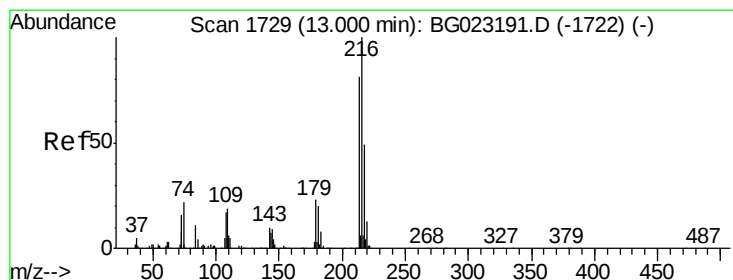
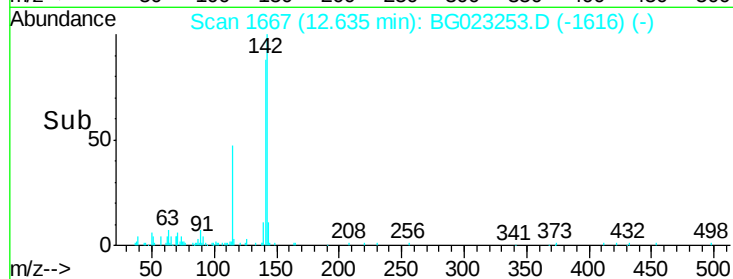
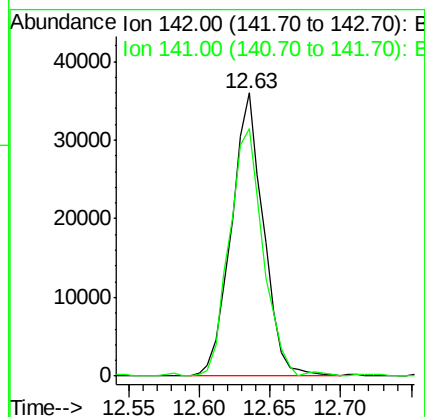
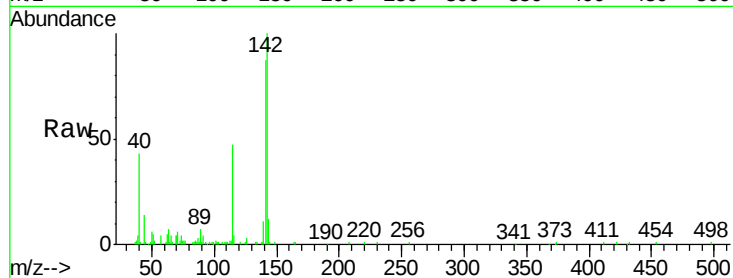
#34
2-Methylnaphthalene
Concen: 2.27 ng/ul
RT: 12.63 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion:142 Resp: 56871
Ion Ratio Lower Upper
142 100
141 87.5 75.2 112.8

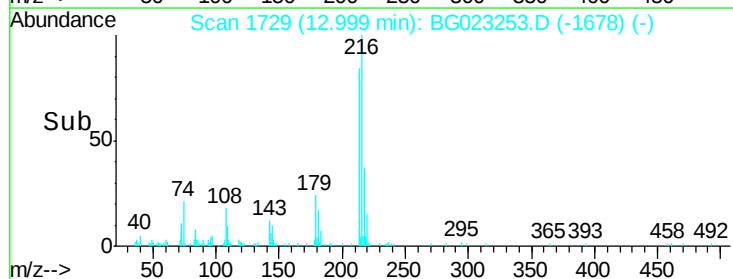
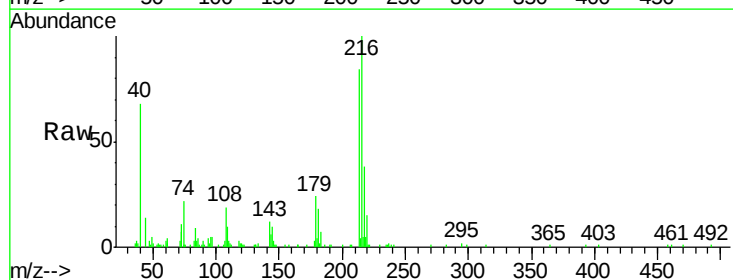
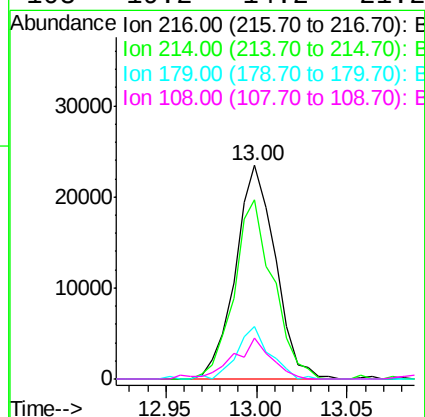
Manual Integrations

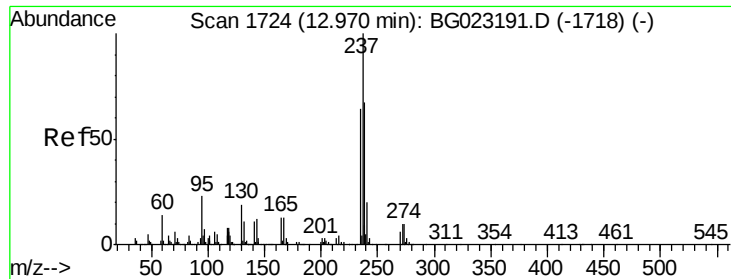
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#36
1,2,4,5-Tetrachlorobenzene
Concen: 2.53 ng/ul
RT: 13.00 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion:216 Resp: 35994
Ion Ratio Lower Upper
216 100
214 84.0 61.7 92.5
179 24.3 17.0 25.4
108 19.2 14.2 21.2





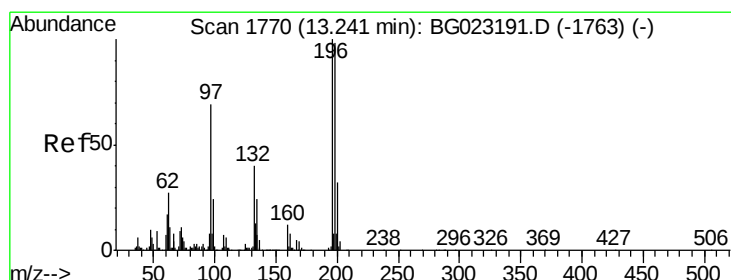
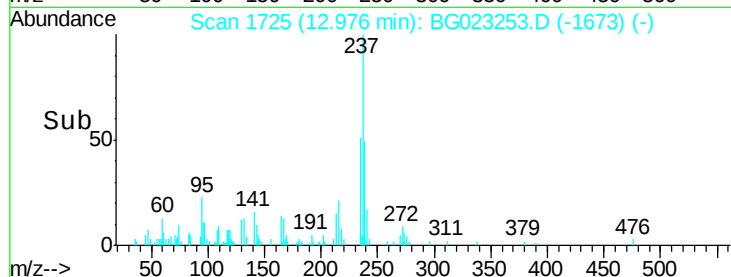
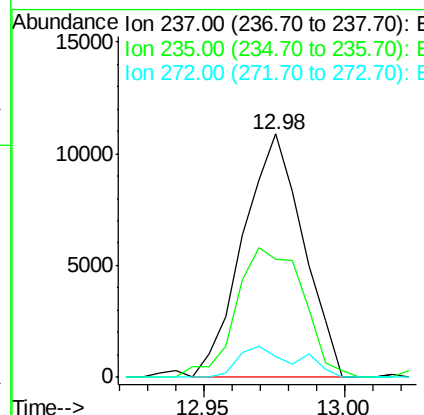
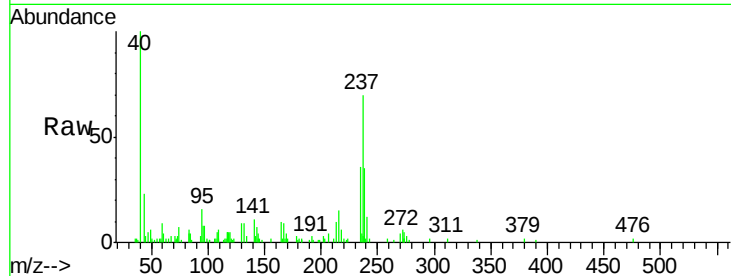
#37
Hexachlorocyclopentadiene
Concen: 1.74 ng/ul
RT: 12.98 min Scan# 1725
Delta R.T. 0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	16128		
235	53.6	49.6	74.4	
272	8.5	9.3	13.9	

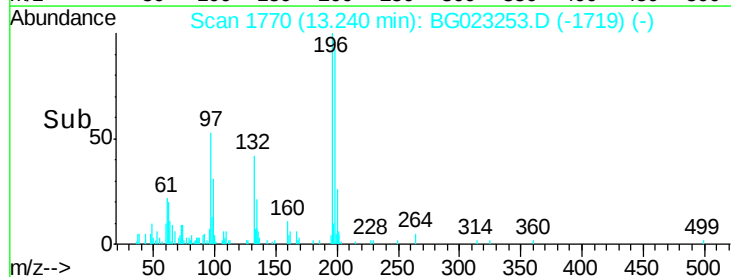
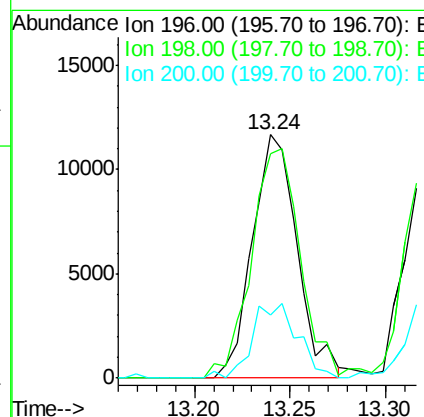
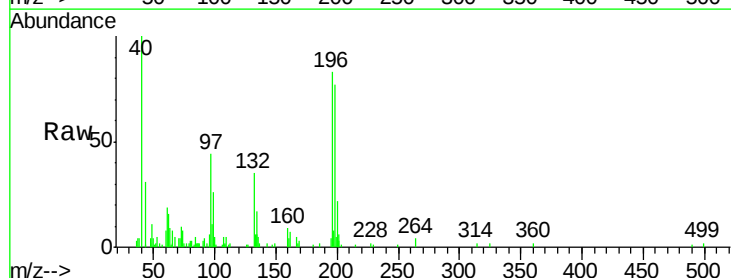
Manual Integrations

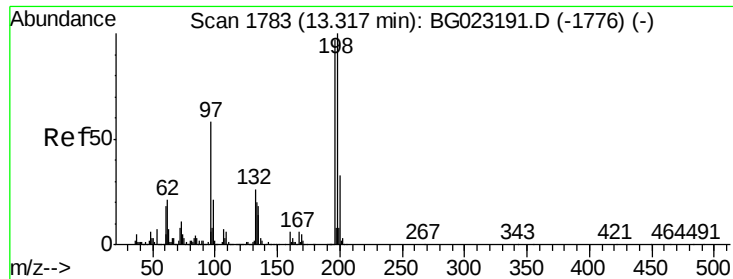
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#38
2,4,6-Trichlorophenol
Concen: 1.93 ng/ul m
RT: 13.24 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	19045		
198	92.4	77.4	116.0	
200	25.9	26.6	39.8	





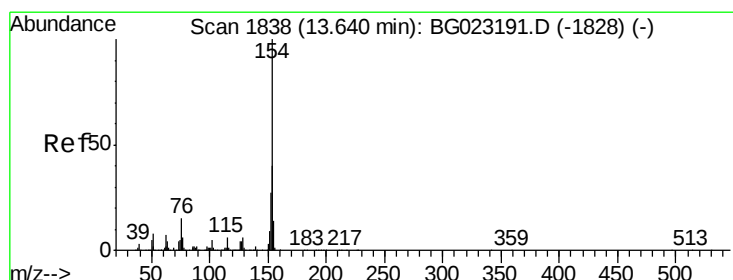
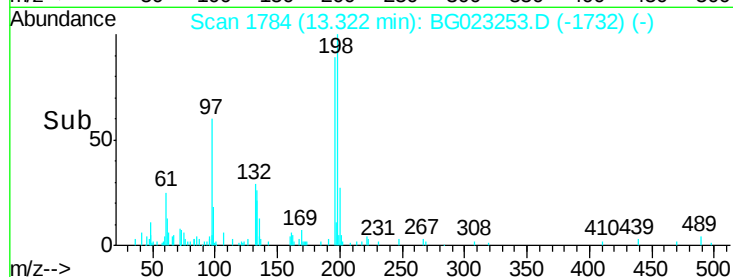
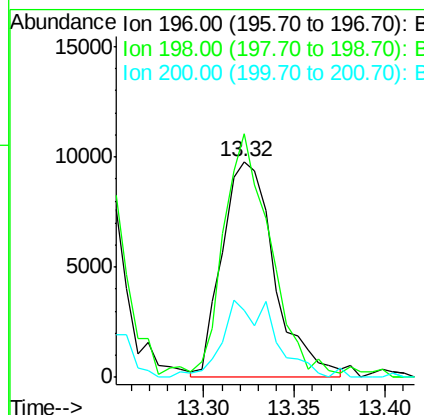
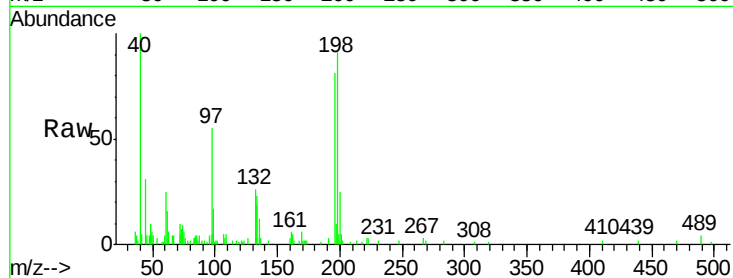
#39
 2,4,5-Trichlorophenol
 Concen: 1.96 ng/ul
 RT: 13.32 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BG023253.D
 Acq: 25 Jul 2016 15:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-05-S

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	19727		
198	112.7	79.8	119.8	
200	30.9	24.0	36.0	

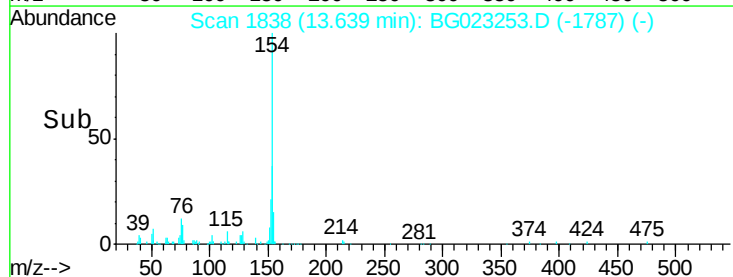
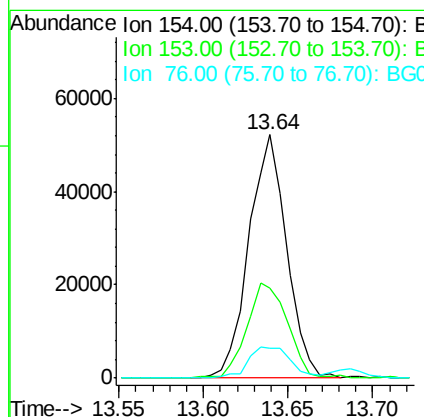
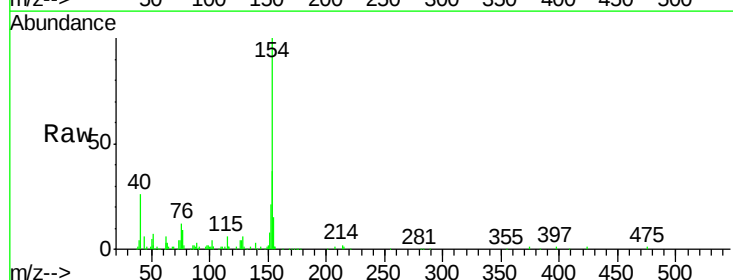
Manual Integrations

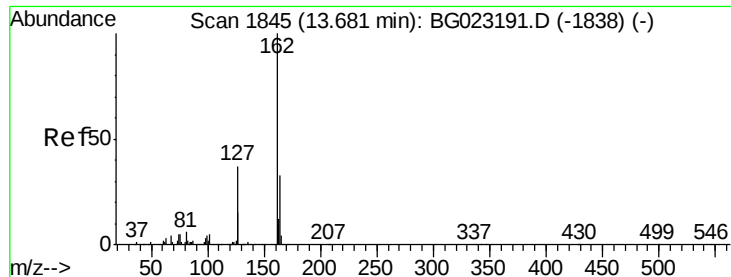
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#40
 1,1'-Biphenyl
 Concen: 2.53 ng/ul
 RT: 13.64 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BG023253.D
 Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	81114		
153	36.8	34.6	52.0	
76	12.4	11.9	17.9	





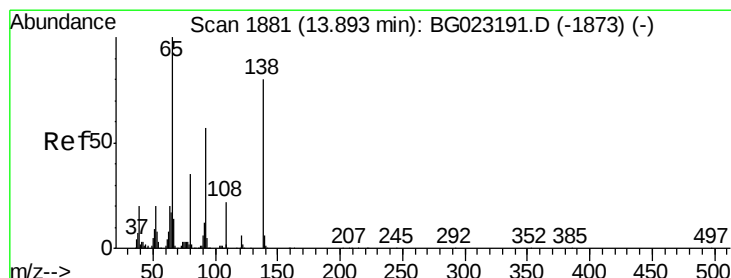
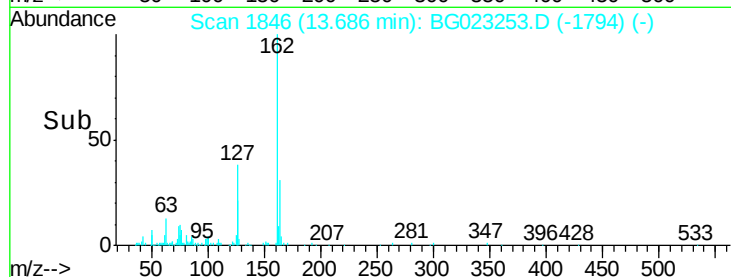
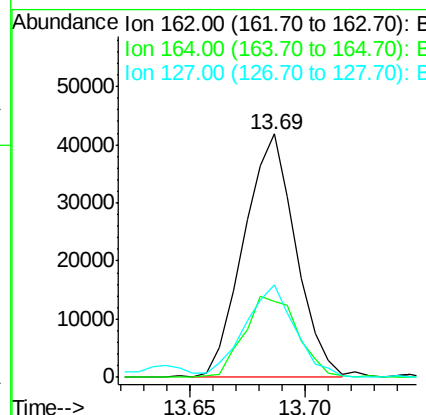
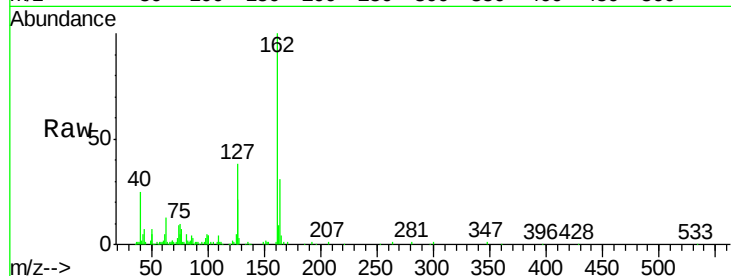
#41
2-Chloronaphthalene
Concen: 2.53 ng/ul
RT: 13.69 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
162	100		
164	31.2	25.4	38.2
127	37.9	30.2	45.4

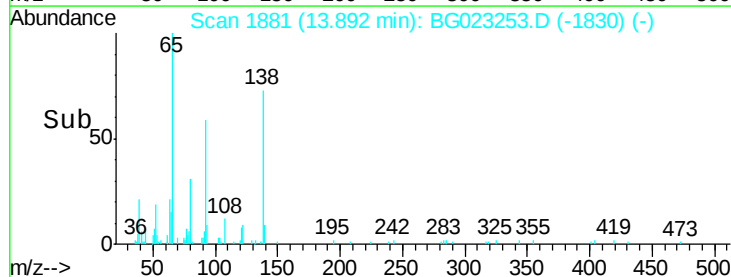
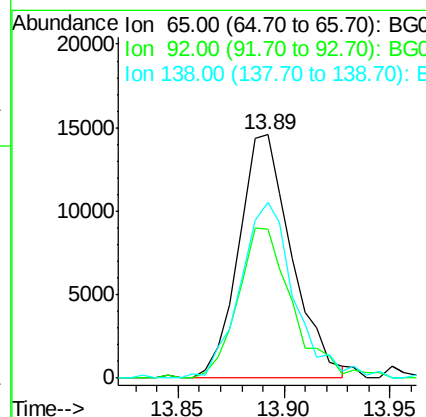
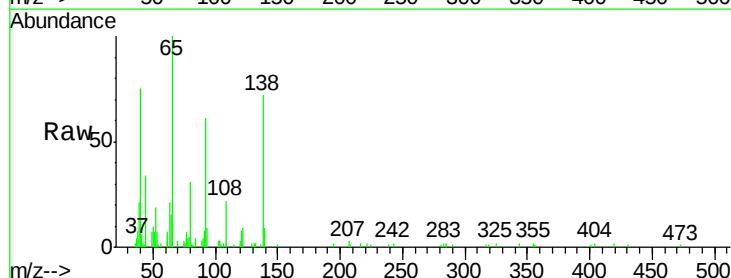
Manual Integrations

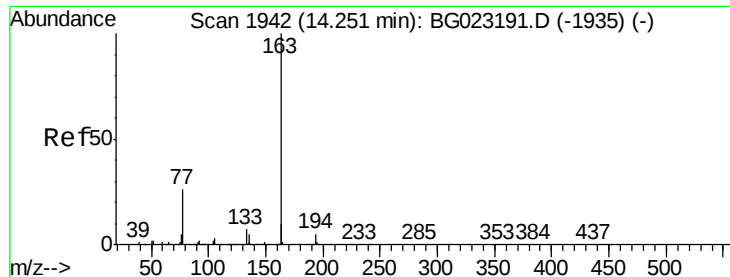
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#42
2-Nitroaniline
Concen: 2.20 ng/ul
RT: 13.89 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.0	67.1	100.7#
138	72.4	109.6	164.4#





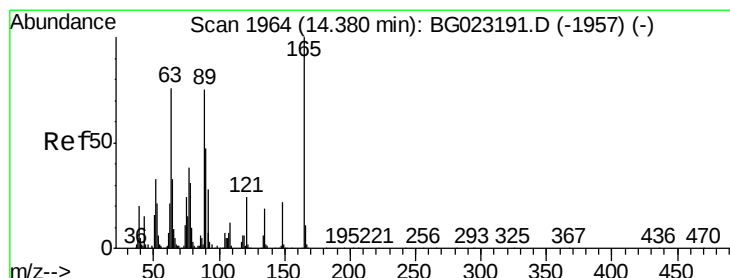
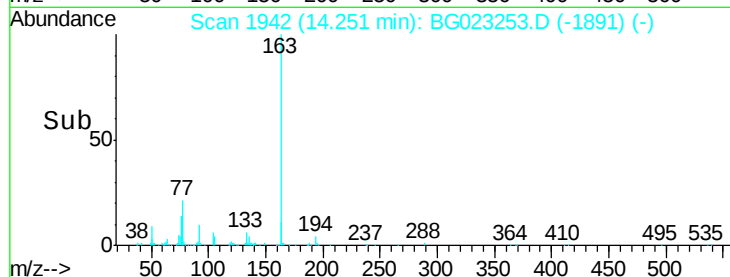
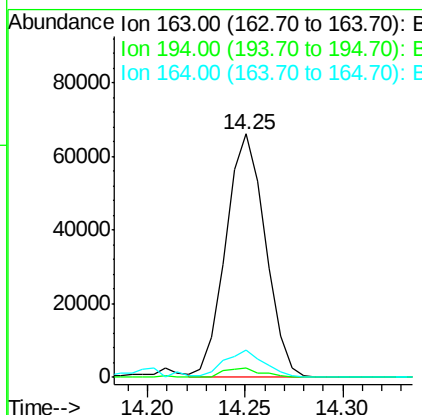
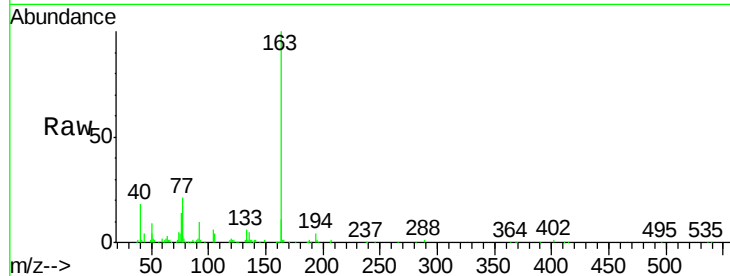
#44
Dimethylphthalate
Concen: 2.59 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	11.0	8.8	13.2

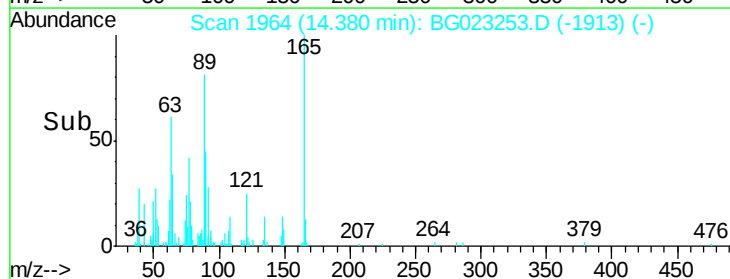
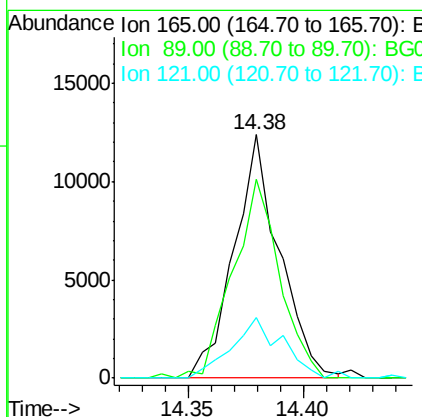
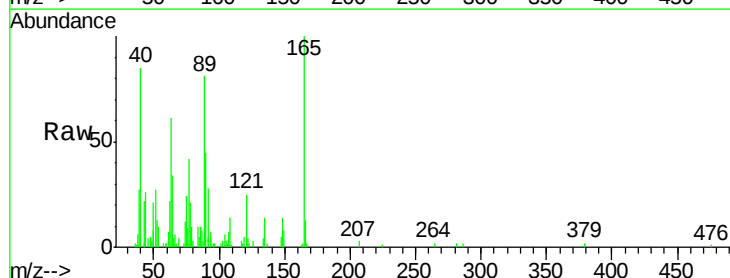
Manual Integrations

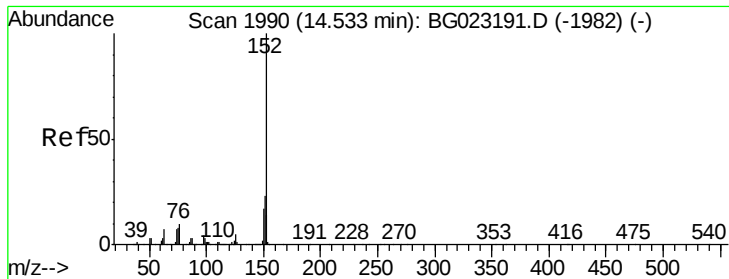
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#45
2,6-Dinitrotoluene
Concen: 2.17 ng/ul
RT: 14.38 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
165	100		
89	81.5	41.5	62.3#
121	24.9	17.0	25.4





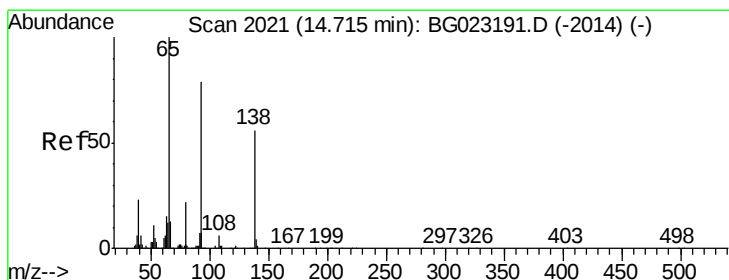
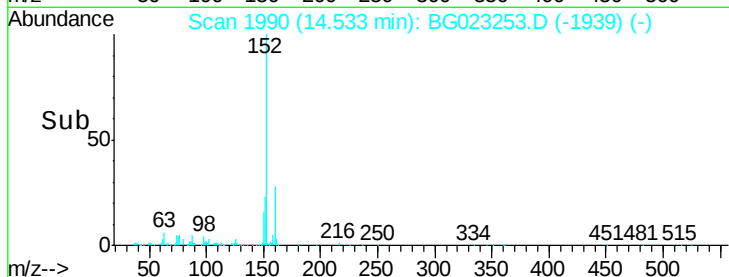
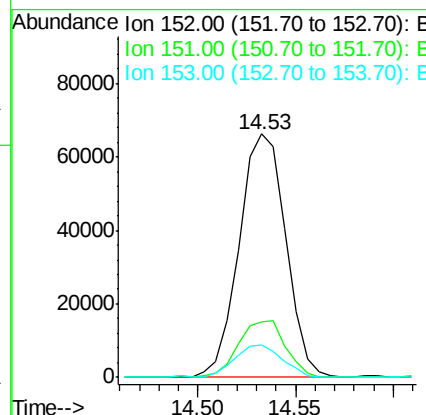
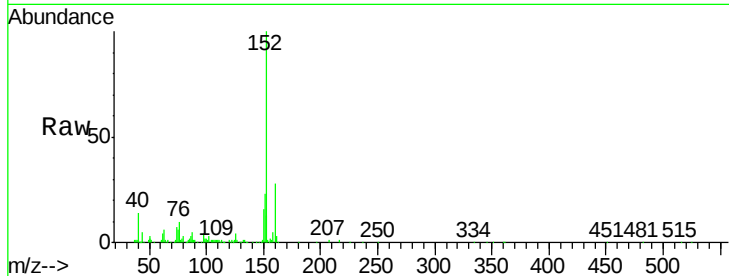
#47
Acenaphthylene
Concen: 2.67 ng/ul
RT: 14.53 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.8	17.5	26.3
153	13.4	11.1	16.7

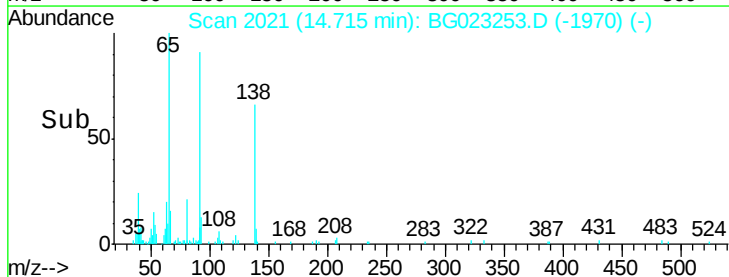
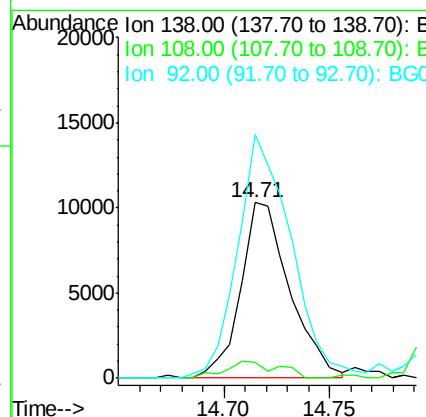
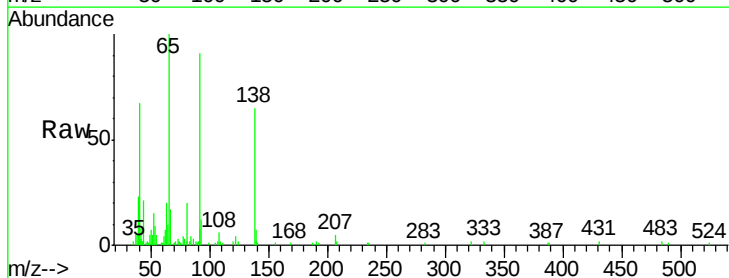
Manual Integrations

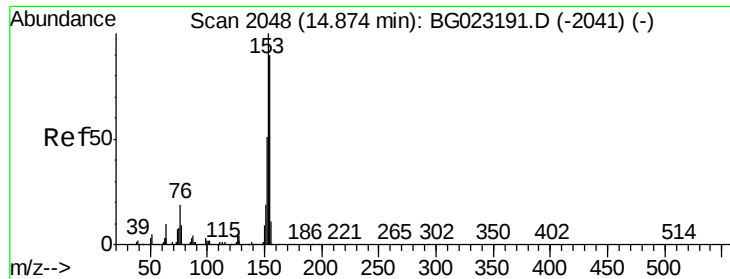
APPROVED
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7/26/2016 11:40:44 AM



#48
3-Nitroaniline
Concen: 2.50 ng/ul
RT: 14.71 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
138	100		
108	8.7	6.2	9.2
92	138.9	79.3	118.9#





#49

Acenaphthene

Concen: 2.59 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BG023253.D

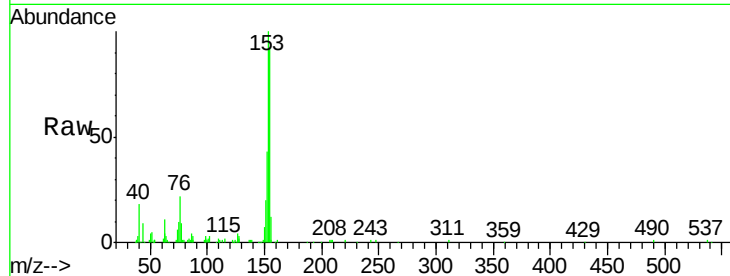
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

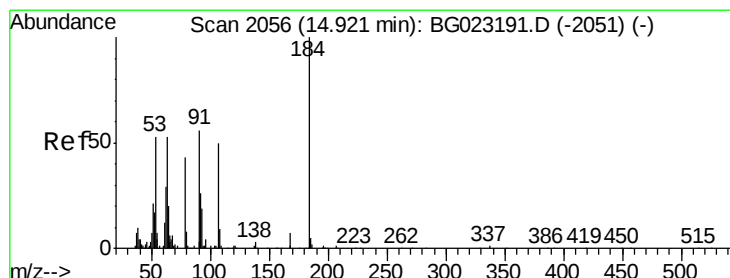
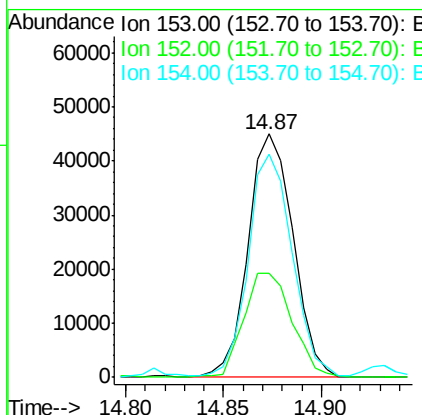
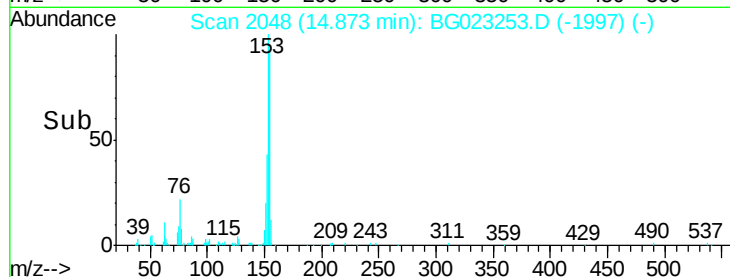


Tgt Ion:	153	Resp:	71662
Ion Ratio	Lower	Upper	
153	100		
152	42.8	37.3	55.9
154	91.8	68.2	102.2

Manual Integrations

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#50

2,4-Dinitrophenol

Concen: 0.96 ng/ul

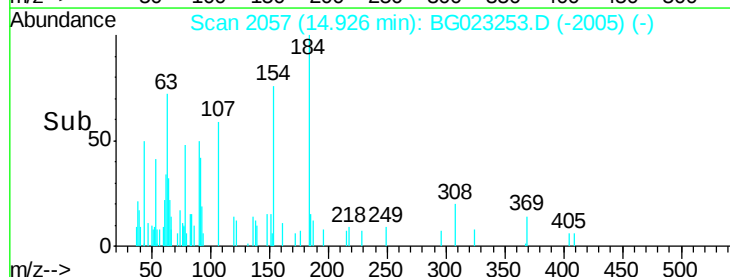
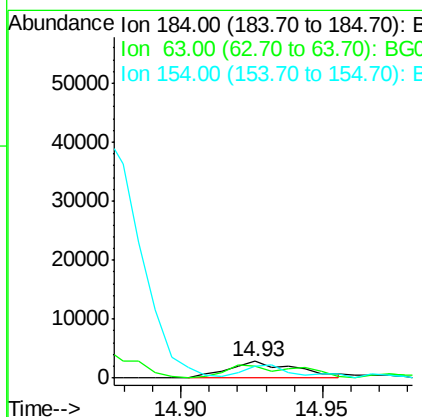
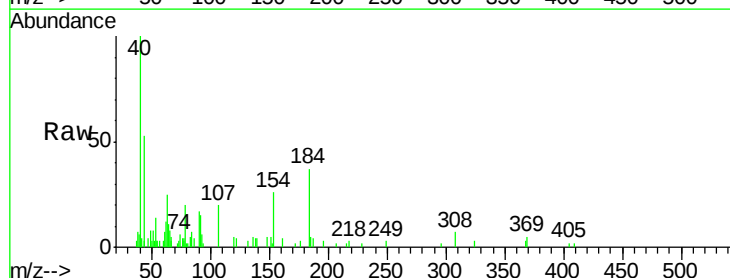
RT: 14.93 min Scan# 2057

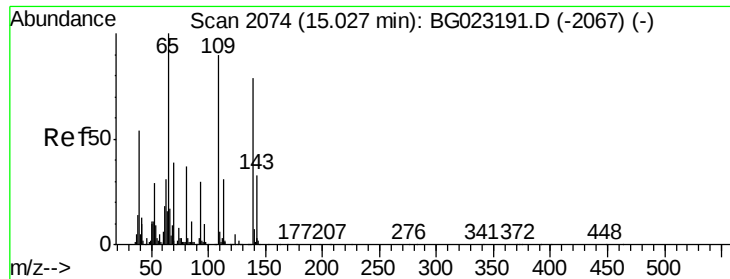
Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	184	Resp:	4680
Ion Ratio	Lower	Upper	
184	100		
63	67.2	40.5	60.7#
154	71.6	48.5	72.7





#52

4-Nitrophenol

Concen: 1.95 ng/ul

RT: 15.03 min Scan# 2075

Delta R.T. 0.01 min

Lab File: BG023253.D

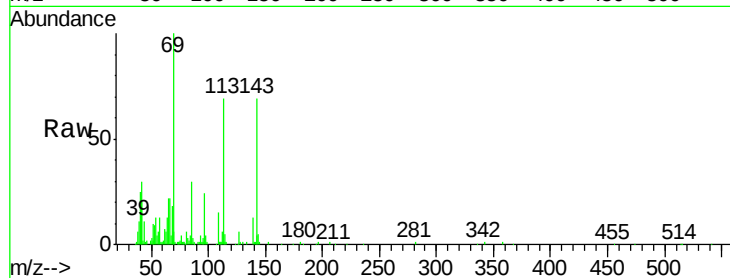
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

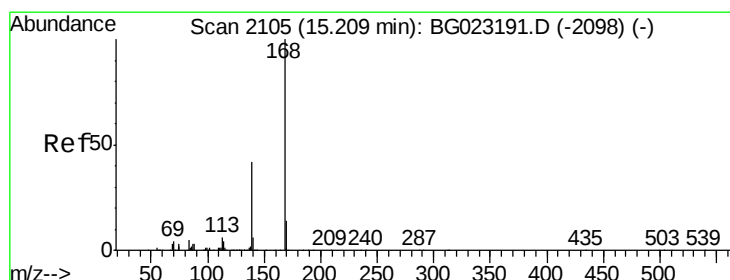
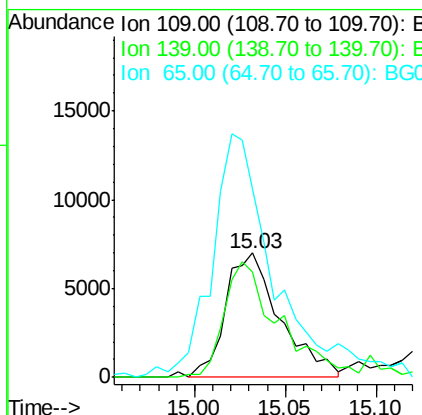
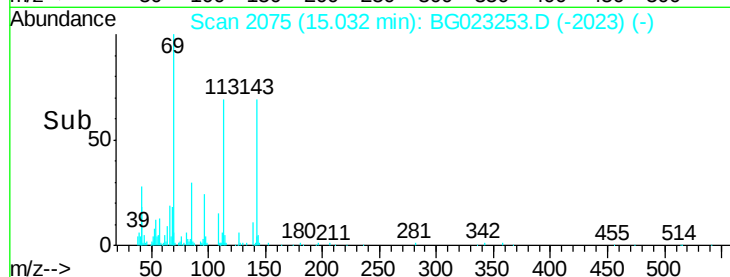


Tgt Ion	Ratio	Lower	Upper
109	100		
139	85.3	136.1	204.1#
65	151.6	106.0	159.0

Manual Integrations

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#53

Dibenzofuran

Concen: 2.73 ng/ul

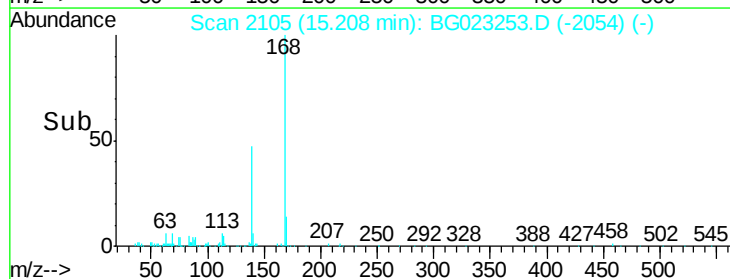
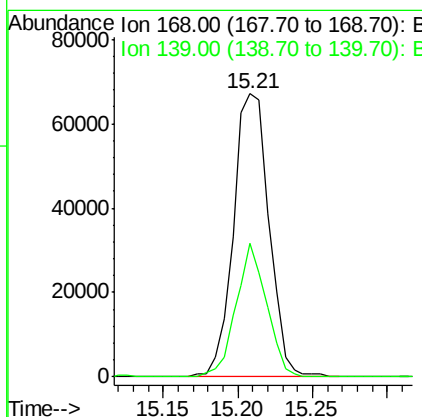
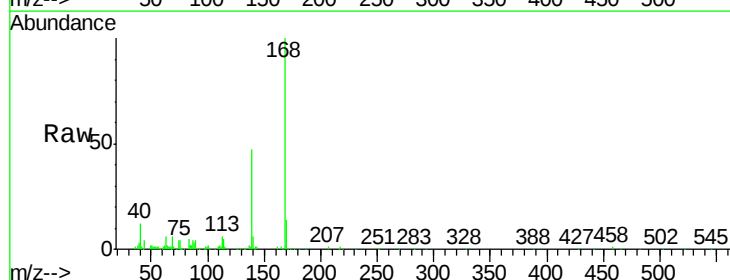
RT: 15.21 min Scan# 2105

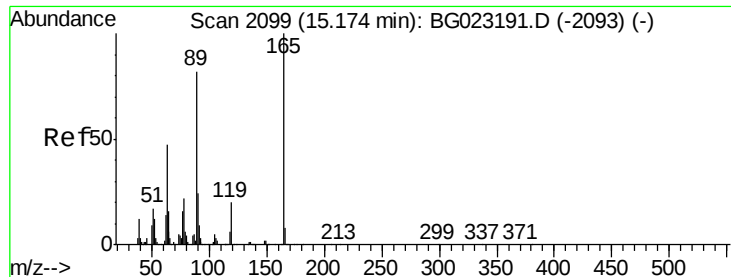
Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
168	100		
139	47.3	27.4	41.0#





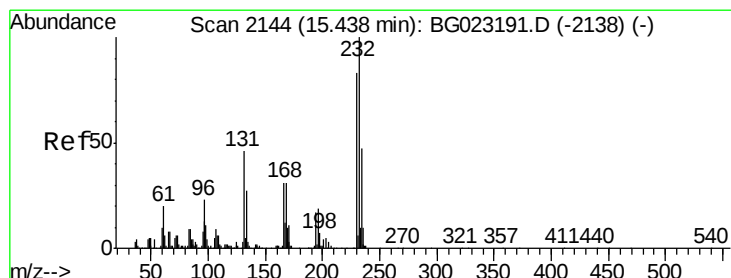
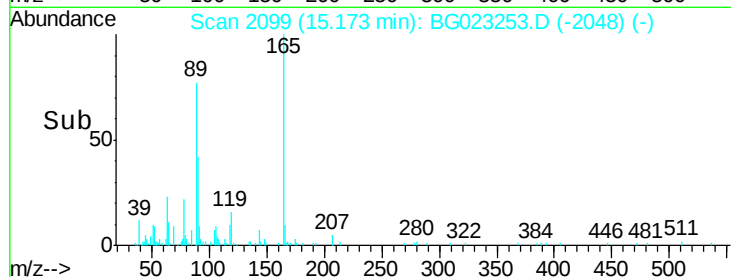
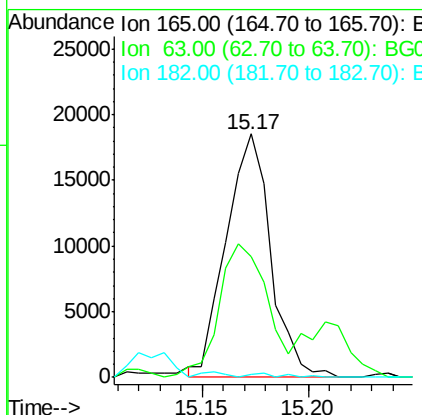
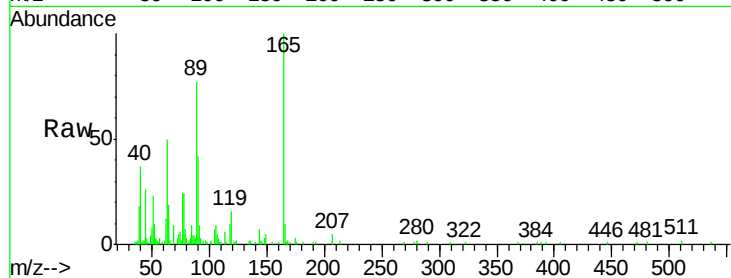
#54
2,4-Dinitrotoluene
Concen: 2.28 ng/ul
RT: 15.17 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.8	25.7	38.5#
182	1.1	2.1	3.1#

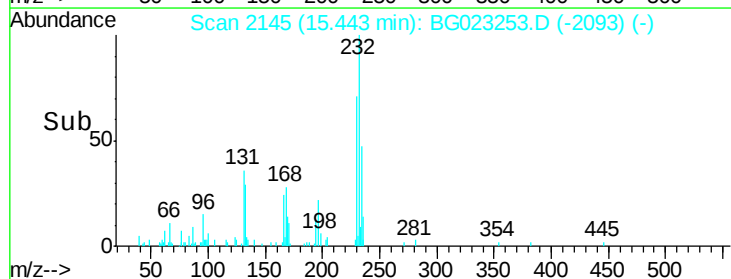
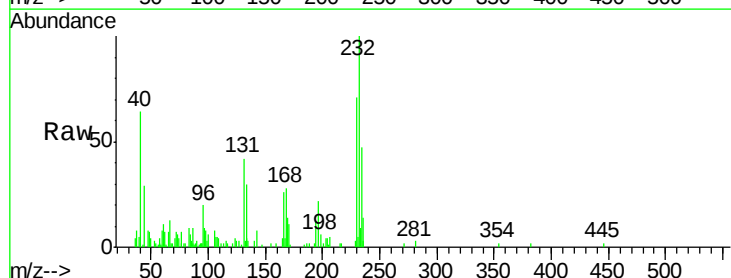
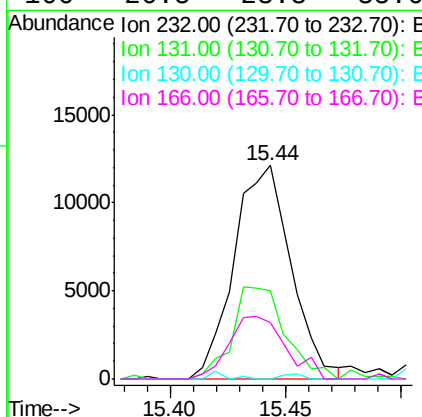
Manual Integrations

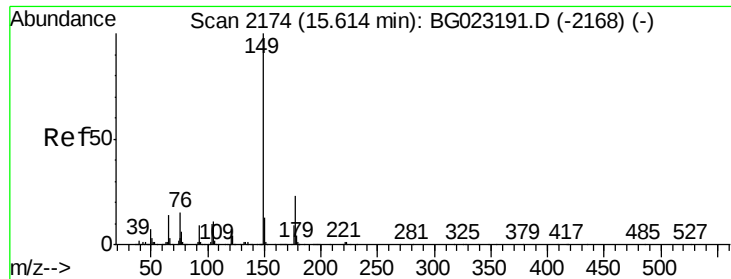
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#55
2,3,4,6-Tetrachlorophenol
Concen: 2.05 ng/ul
RT: 15.44 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
232	100		
131	41.7	34.8	52.2
130	0.0	2.2	3.2#
166	26.5	23.8	35.6





#56

Diethylphthalate

Concen: 2.43 ng/ul

RT: 15.61 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BG023253.D

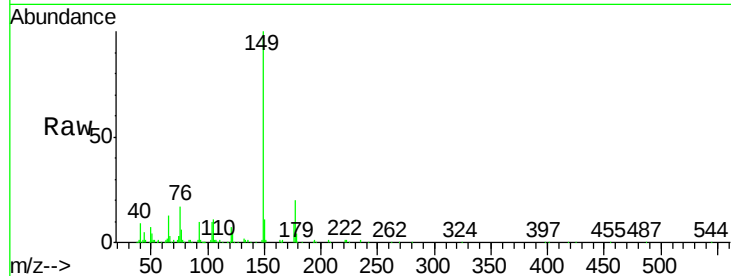
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

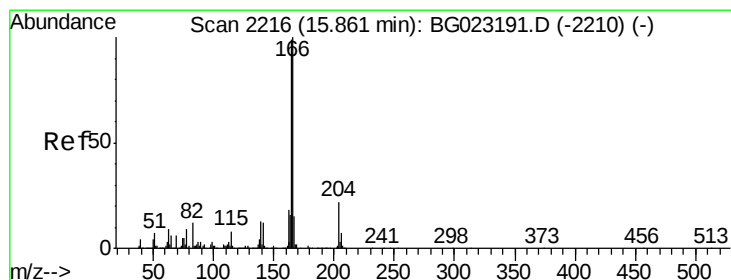
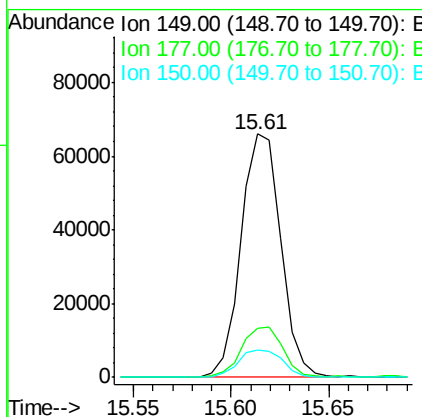
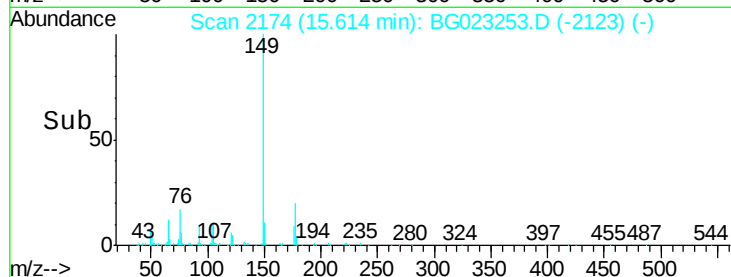


Tgt Ion:	149	Resp:	93050
Ion Ratio	Lower	Upper	
149	100		
177	20.1	17.4	26.2
150	11.1	9.6	14.4

Manual Integrations

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#58

Fluorene

Concen: 2.75 ng/ul

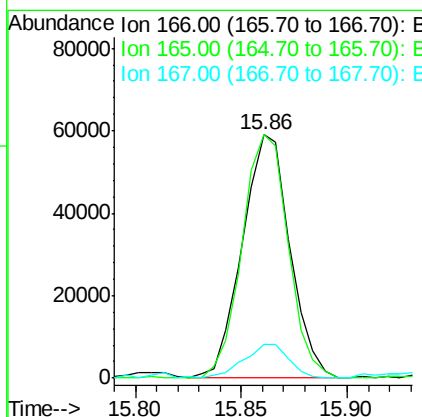
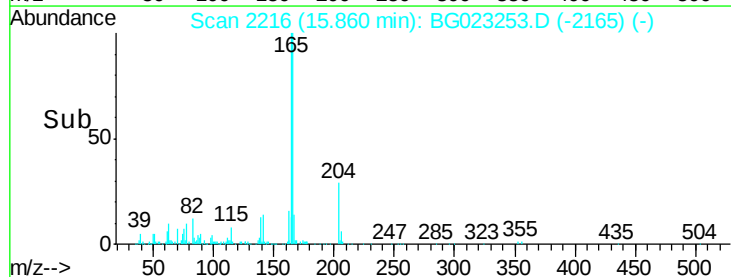
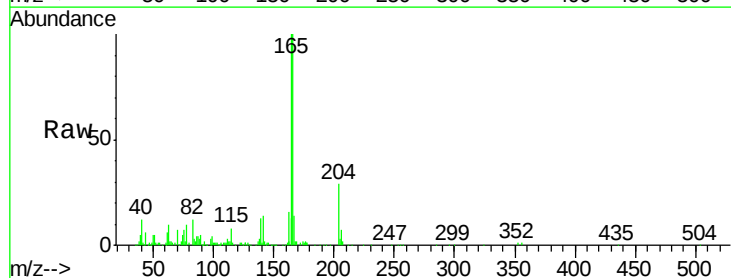
RT: 15.86 min Scan# 2216

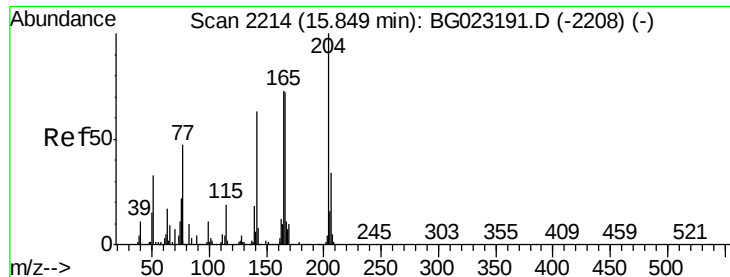
Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	166	Resp:	92417
Ion Ratio	Lower	Upper	
166	100		
165	99.9	80.3	120.5
167	14.0	10.3	15.5





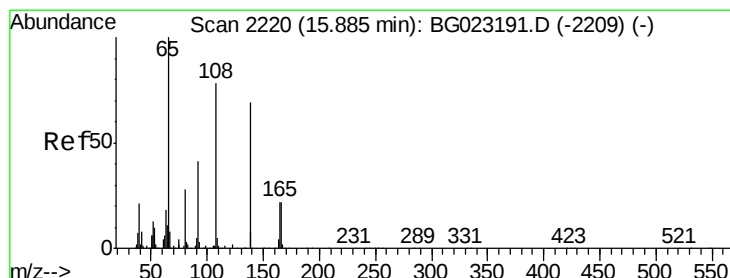
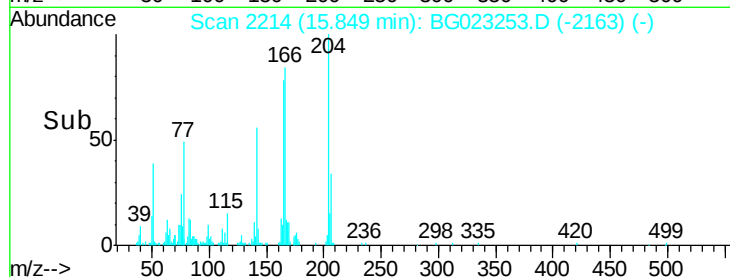
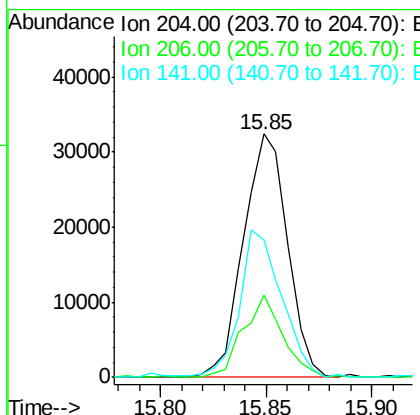
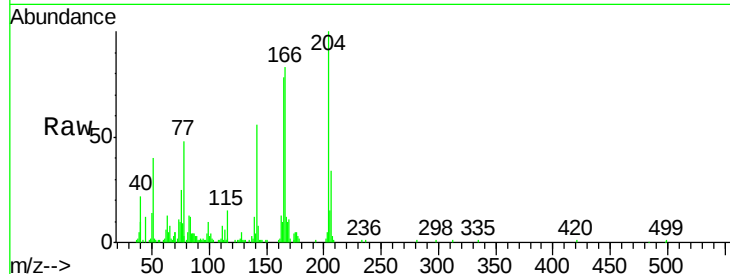
#59
 4-Chlorophenyl-phenylether
 Concen: 2.54 ng/ul
 RT: 15.85 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG023253.D
 Acq: 25 Jul 2016 15:02

Instrument :
 BNA_G
 ClientSampleId :
 MDL-05-S

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.4	41.2
141	56.5	47.1	70.7

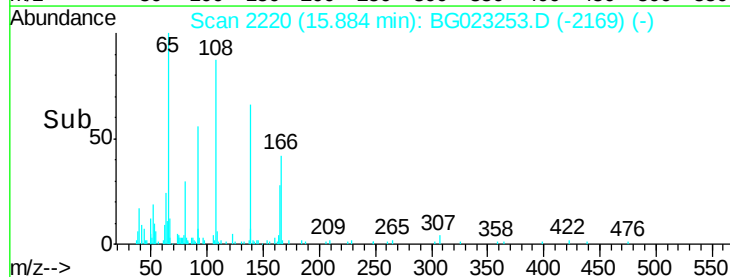
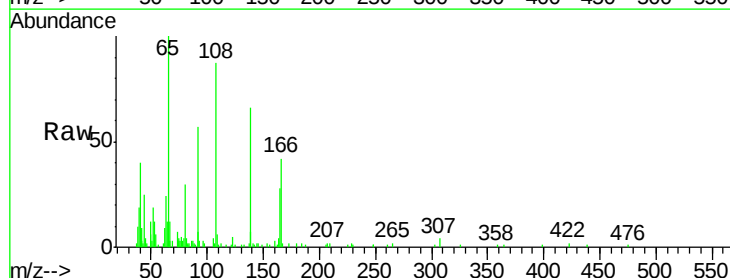
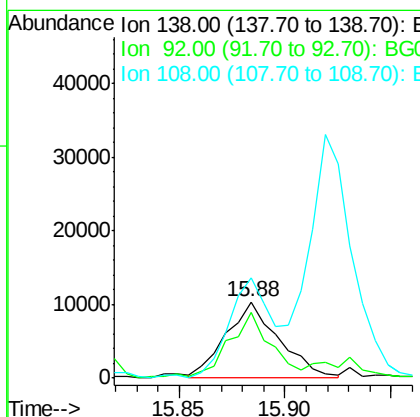
Manual Integrations

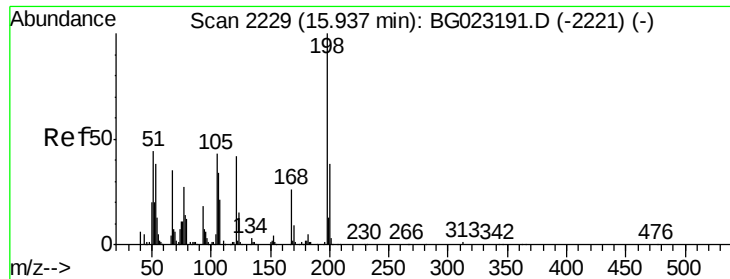
SOHIL
 7/26/2016 11:40:44 AM



#60
 4-Nitroaniline
 Concen: 2.21 ng/ul
 RT: 15.88 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG023253.D
 Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
138	100		
92	86.2	39.0	58.4#
108	132.2	49.2	73.8#





#63

4,6-Dinitro-2-methylphenol

Concen: 2.44 ng/ul

RT: 15.94 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampled :

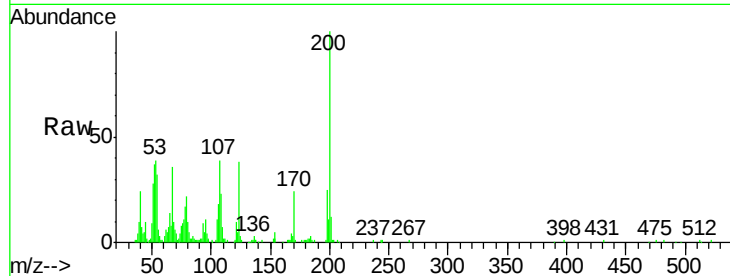
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
198	100		
182	8.0	4.2	6.2
77	42.1	16.7	25.1

Manual Integrations

SOHIL

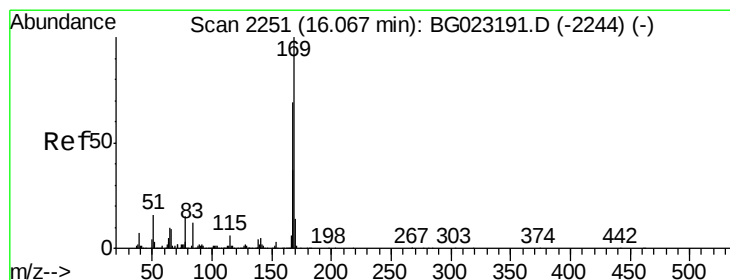
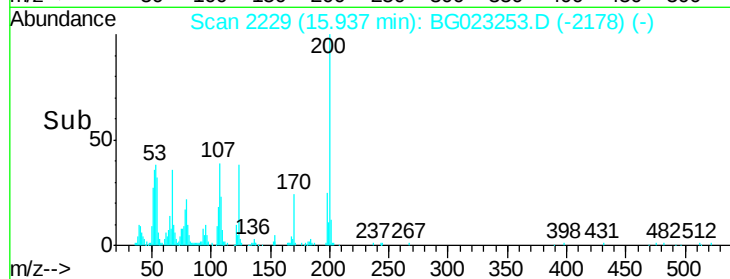
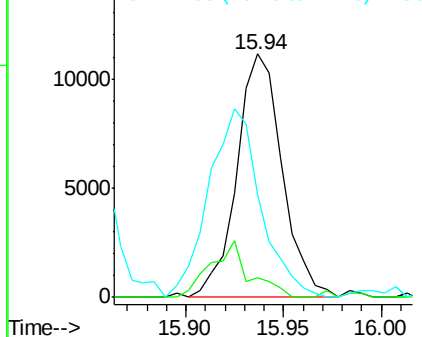
7/26/2016 11:40:44 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BGC



#64

N-Nitrosodiphenylamine

Concen: 2.64 ng/ul

RT: 16.07 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BG023253.D

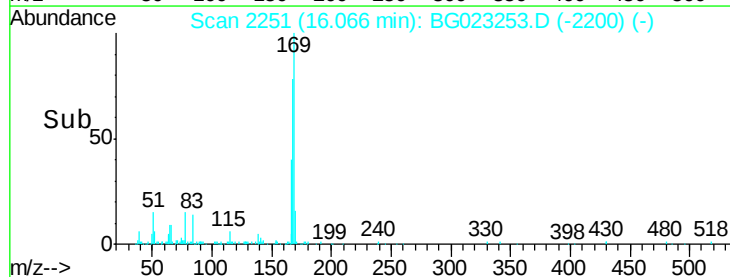
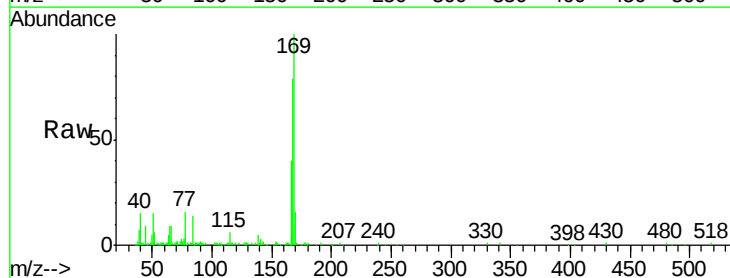
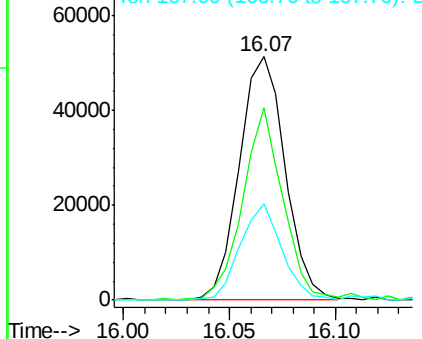
Acq: 25 Jul 2016 15:02

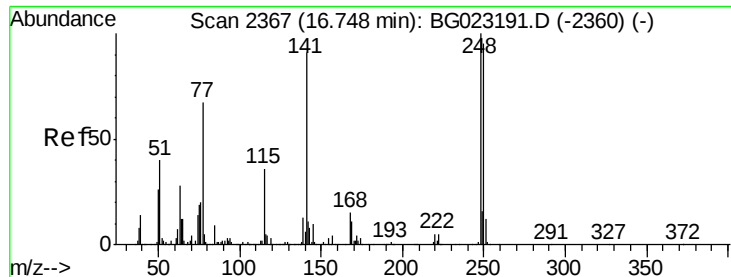
Tgt Ion	Ratio	Lower	Upper
169	100		
168	79.1	59.0	88.6
167	39.6	30.6	46.0

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





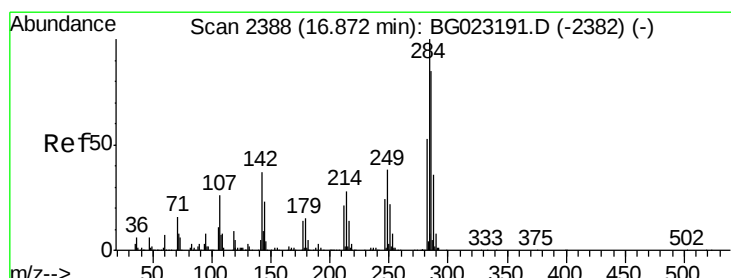
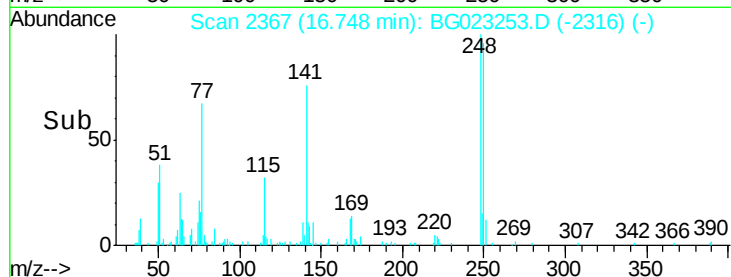
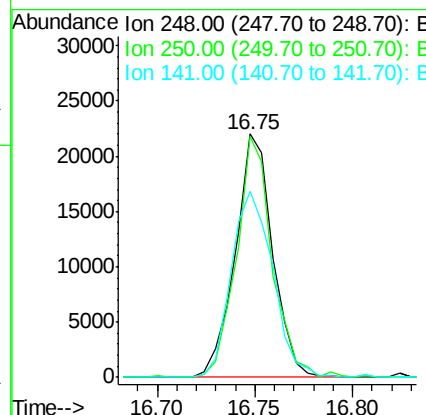
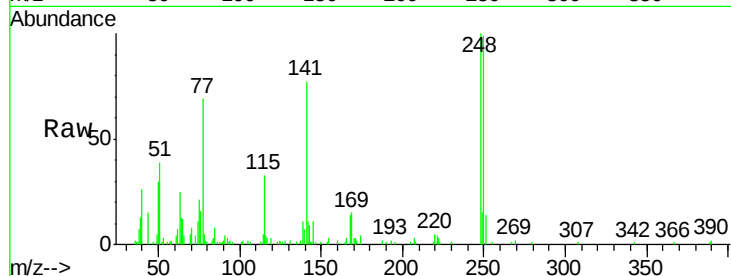
#65
4-Bromophenyl-phenylether
Concen: 2.51 ng/ul
RT: 16.75 min Scan# 2367
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.0	76.6	114.8
141	76.6	61.8	92.6

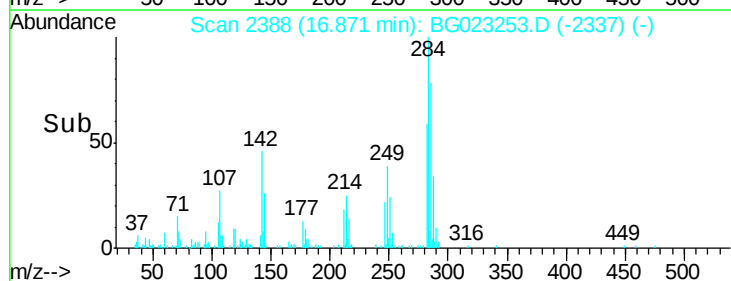
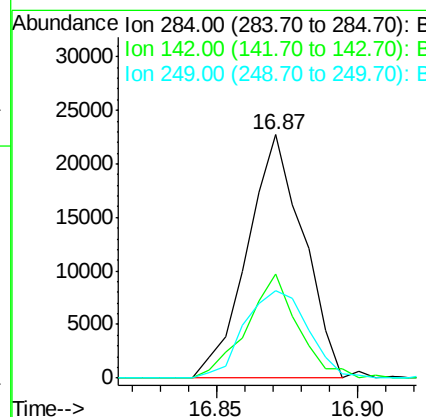
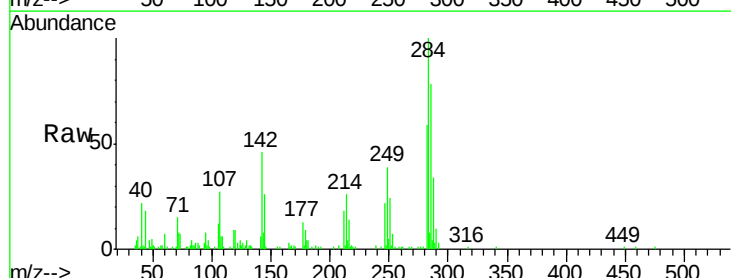
Manual Integrations

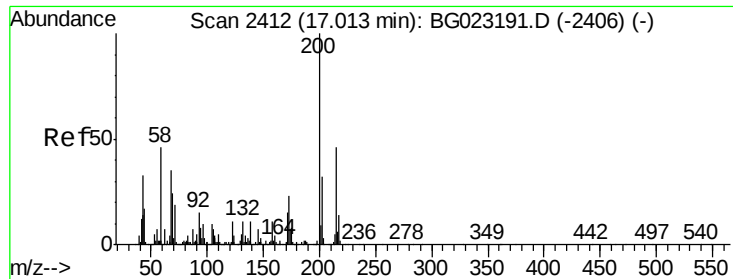
APPROVED
SOHIL
7/26/2016 11:40:44 AM



#66
Hexachlorobenzene
Concen: 2.62 ng/ul
RT: 16.87 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
284	100		
142	42.7	27.8	41.8#
249	36.0	24.4	36.6





#67

Atrazine

Concen: 2.04 ng/ul

RT: 17.02 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

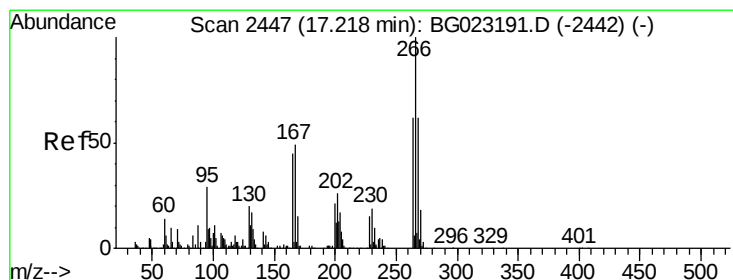
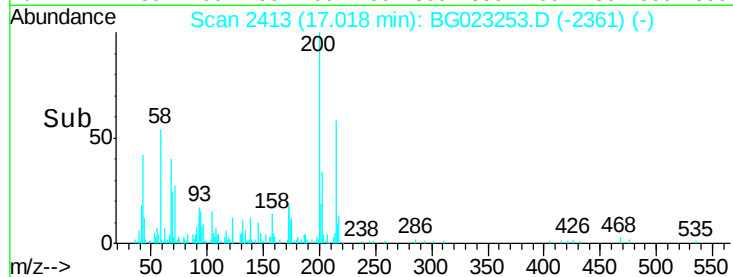
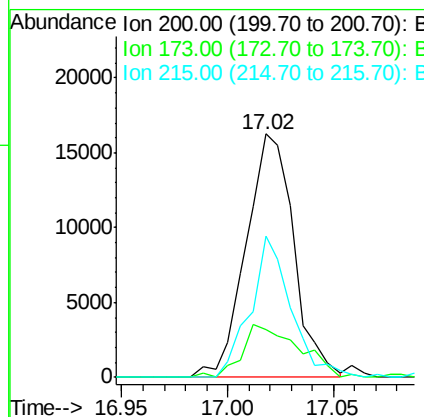
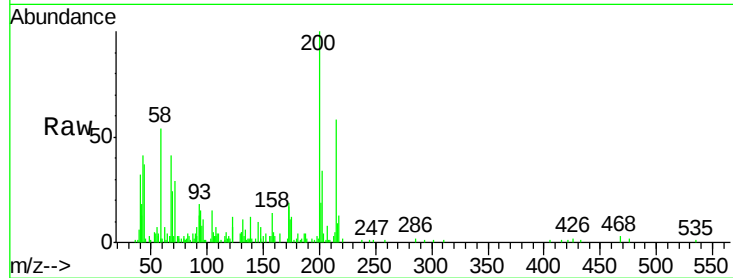
MDL-05-S

Tgt Ion:	200	Resp:	25463
Ion Ratio	Lower	Upper	
200	100		
173	19.4	21.0	31.6#
215	57.8	37.9	56.9#

Manual Integrations

SOHIL

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#68

Pentachlorophenol

Concen: 1.34 ng/ul

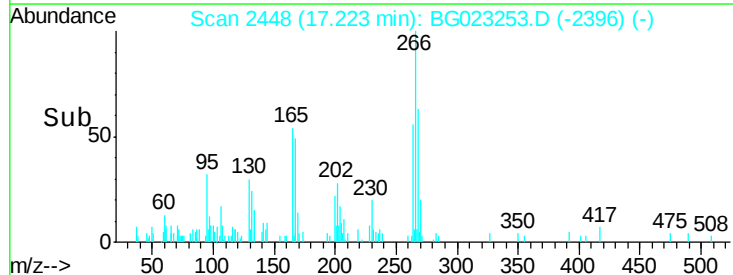
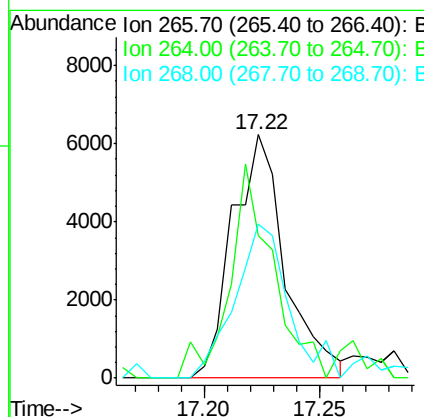
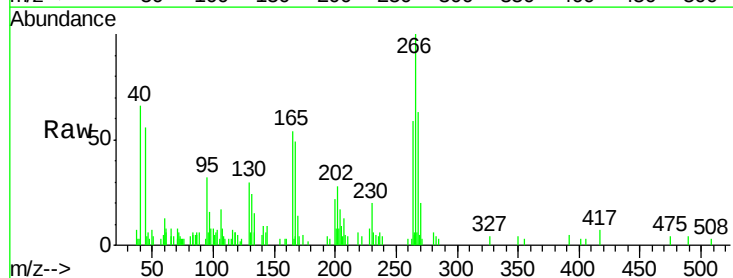
RT: 17.22 min Scan# 2448

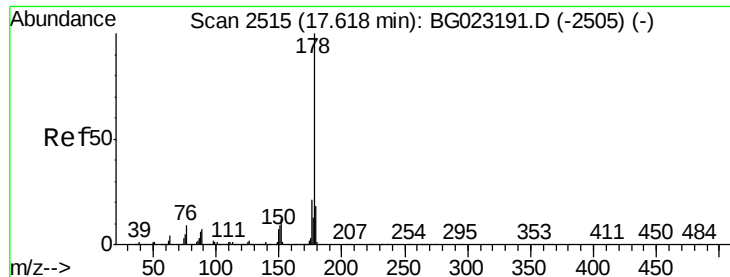
Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	266	Resp:	9881
Ion Ratio	Lower	Upper	
266	100		
264	64.3	54.7	82.1
268	68.0	57.8	86.8





#69

Phenanthrene

Concen: 2.89 ng/ul

RT: 17.62 min Scan# 2515

Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

Tgt Ion:178 Resp: 150370

Ion Ratio Lower Upper

178 100

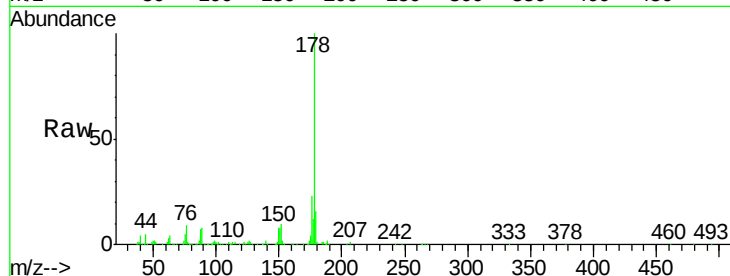
179 16.1 12.9 19.3

176 23.3 15.8 23.8

Manual Integrations

SOHIL

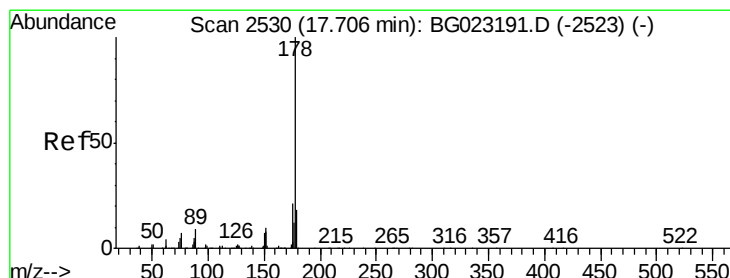
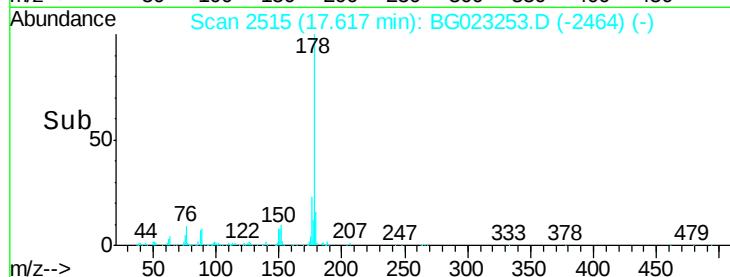
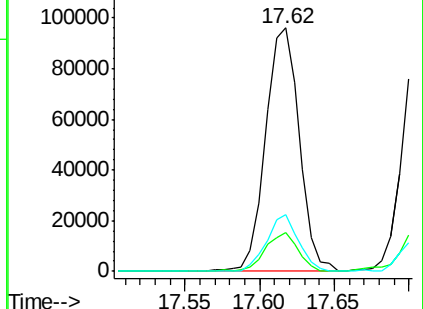
7/26/2016 11:40:44 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 2.93 ng/ul

RT: 17.71 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

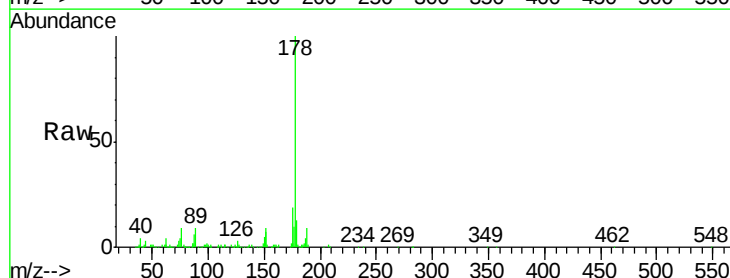
Tgt Ion:178 Resp: 159921

Ion Ratio Lower Upper

178 100

179 12.9 12.3 18.5

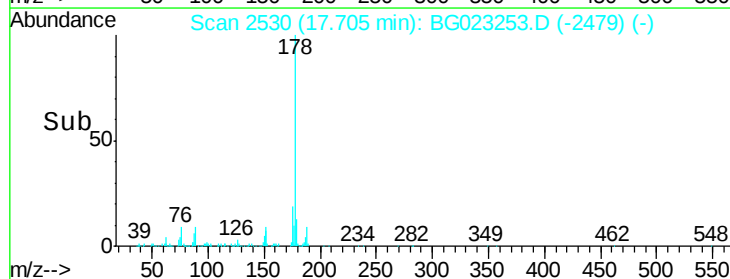
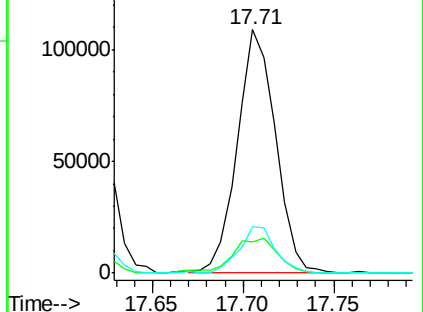
176 19.3 16.3 24.5

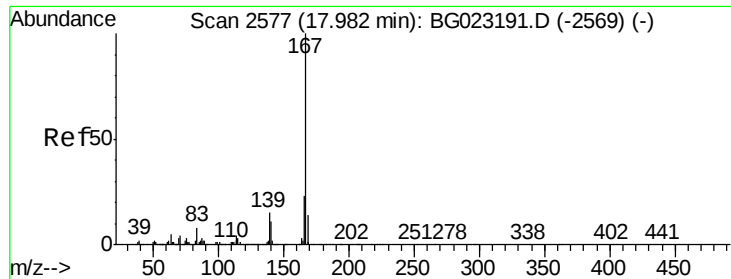


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.93 ng/ul

RT: 17.98 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG023253.D

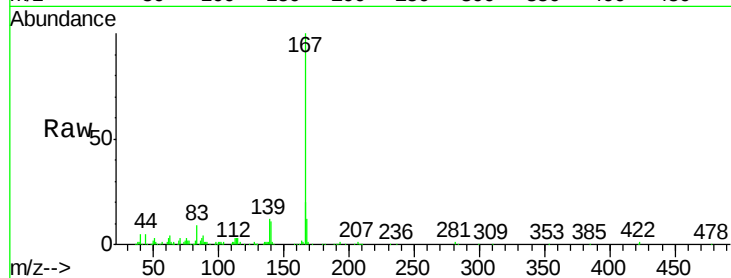
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

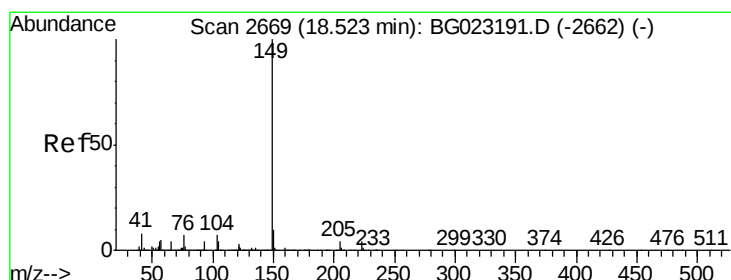
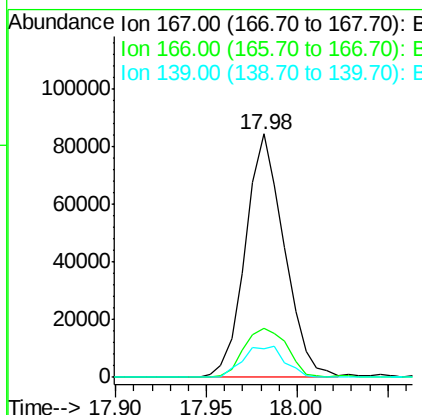
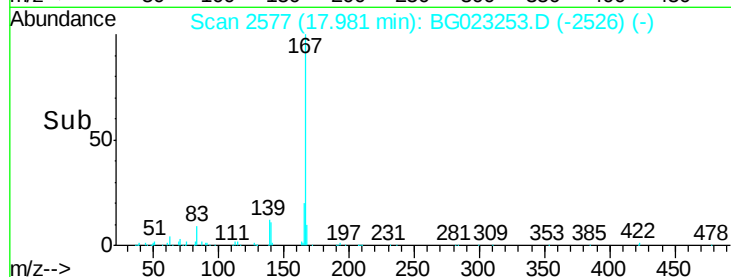


Tgt Ion:	167	Resp:	125921
Ion Ratio	Lower	Upper	
167	100		
166	20.4	19.2	28.8
139	11.9	10.2	15.4

Manual Integrations

SOHIL

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#73

Di-n-butylphthalate

Concen: 2.71 ng/ul

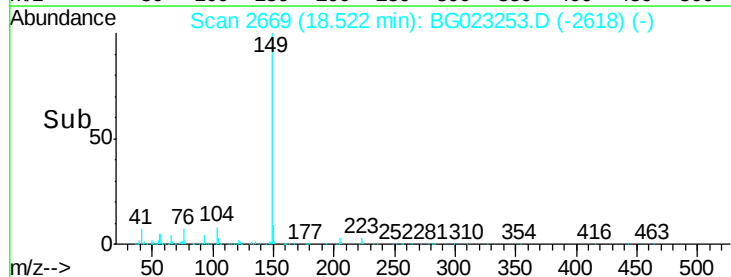
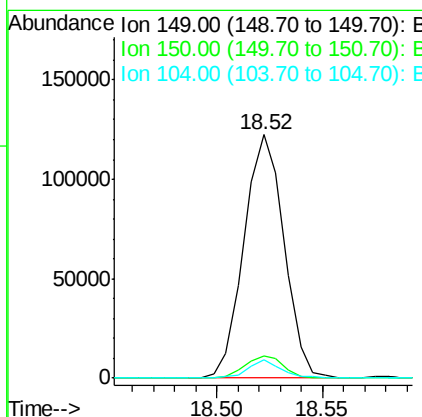
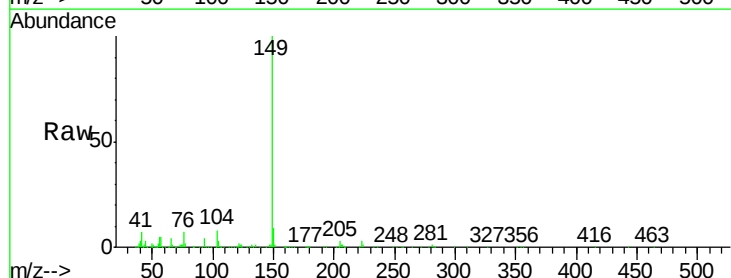
RT: 18.52 min Scan# 2669

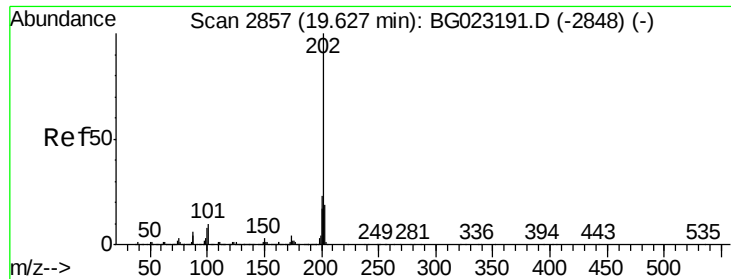
Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	149	Resp:	161244
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.1	10.7
104	7.5	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: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

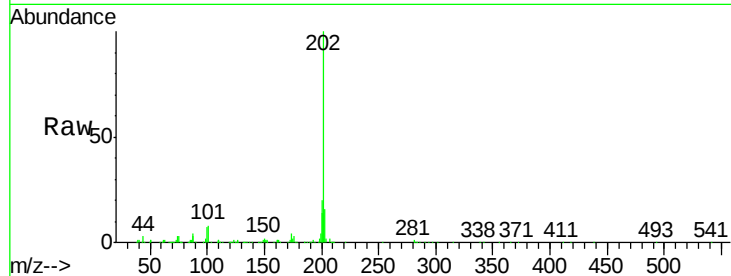
MDL-05-S

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		183948		
101	8.5	10.6	16.0#		
100	6.7	8.7	13.1#		

Manual Integrations

SOHIL

7/26/2016 11:40:44 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.63

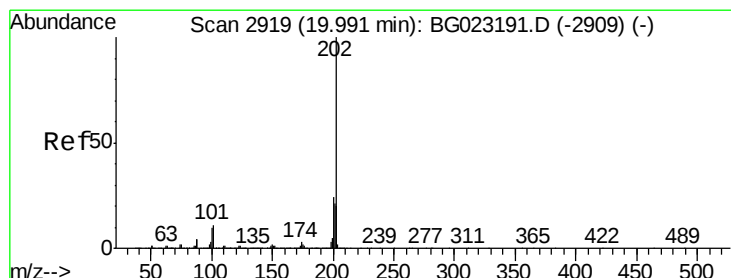
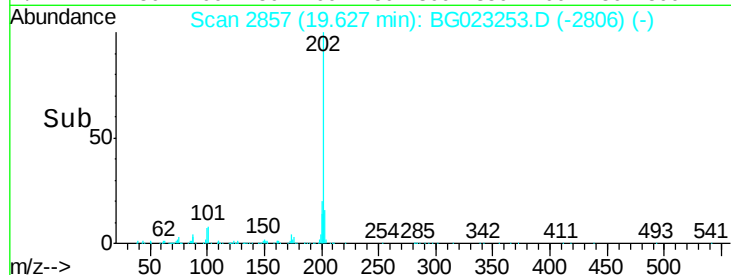
150000

100000

50000

0

Time--> 19.55 19.60 19.65 19.70



#77

Pyrene

Concen: 3.08 ng/ul

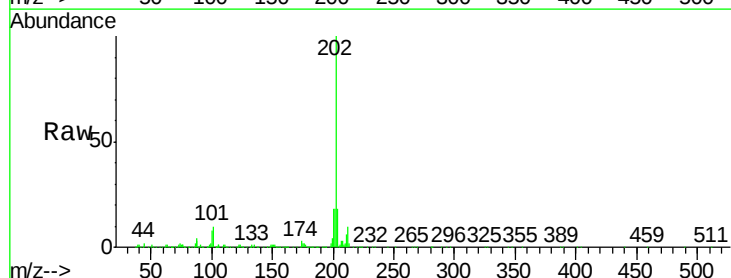
RT: 19.99 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		198989		
101	10.2	12.5	18.7#		
100	7.9	10.2	15.4#		



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.99

200000

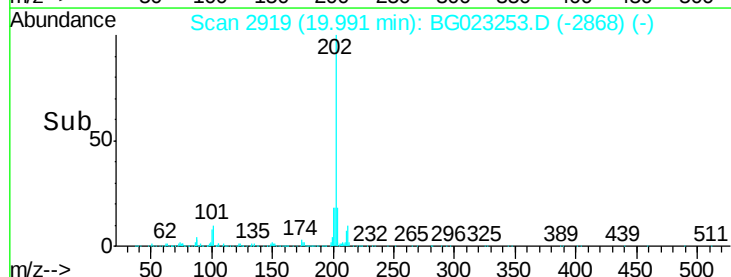
150000

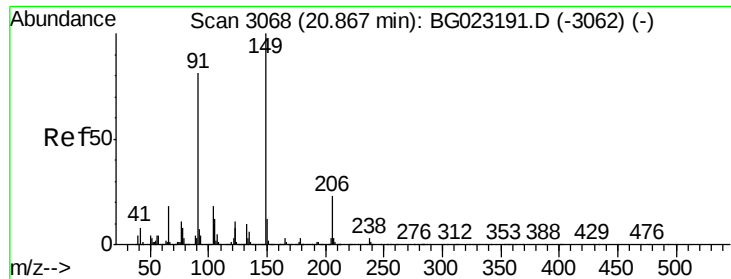
100000

50000

0

Time--> 19.90 19.95 20.00 20.05





#78

Butylbenzylphthalate

Concen: 2.29 ng/ul

RT: 20.87 min Scan# 3068

Delta R.T. -0.00 min

Lab File: BG023253.D

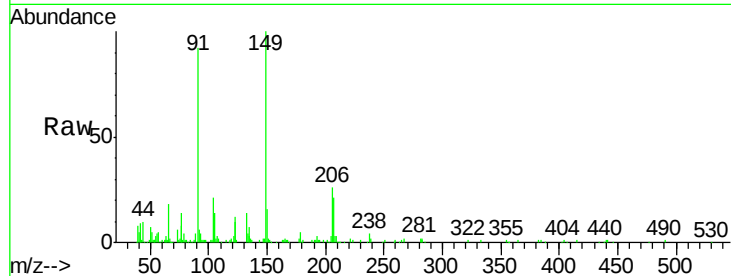
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

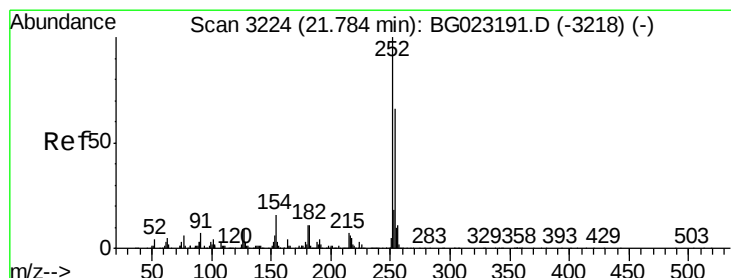
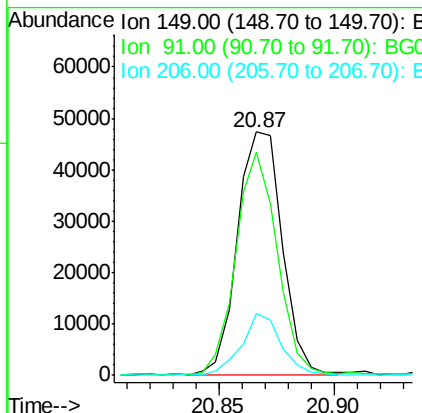
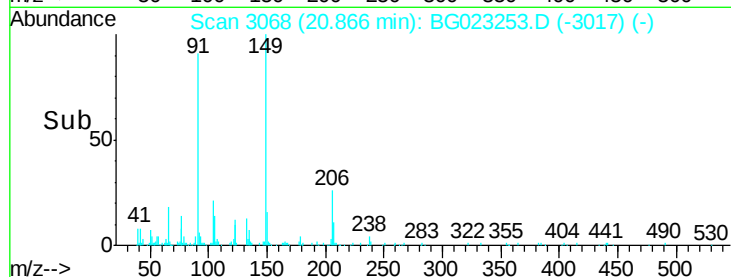


Tgt Ion:	149	Resp:	64407
Ion Ratio	Lower	Upper	
149	100		
91	91.8	54.2	81.4#
206	25.5	14.1	21.1#

Manual Integrations

SOHIL

7/26/2016 11:40:44 AM



#79

3,3'-Dichlorobenzidine

Concen: 2.17 ng/ul

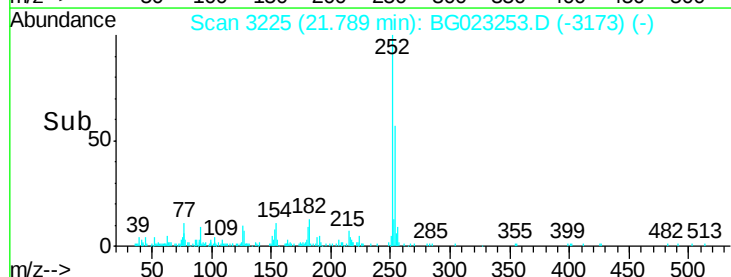
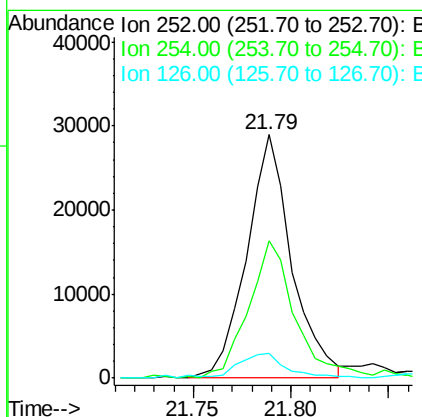
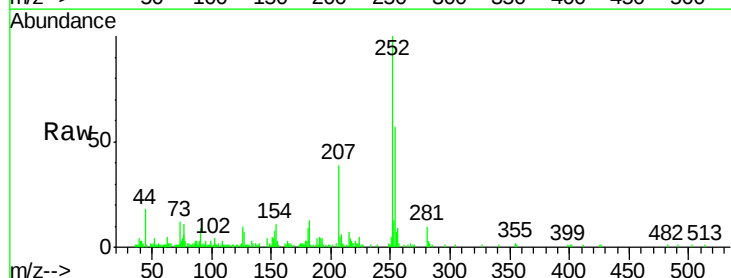
RT: 21.79 min Scan# 3225

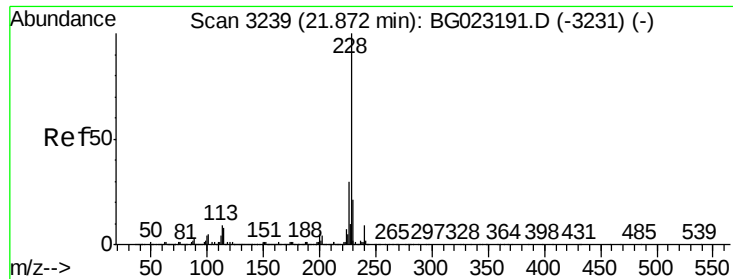
Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	252	Resp:	46074
Ion Ratio	Lower	Upper	
252	100		
254	56.7	51.4	77.2
126	9.9	10.7	16.1#





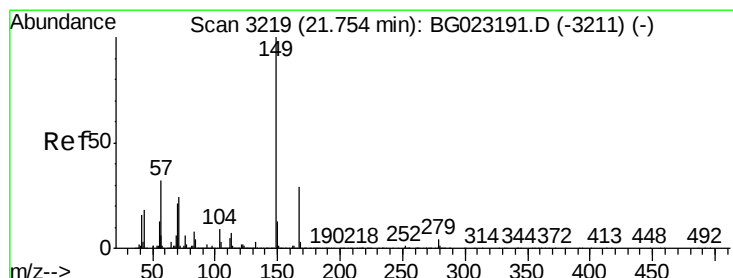
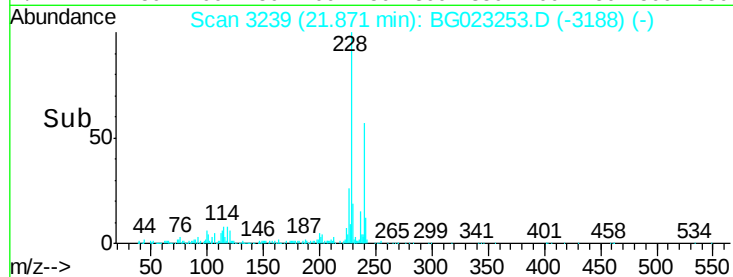
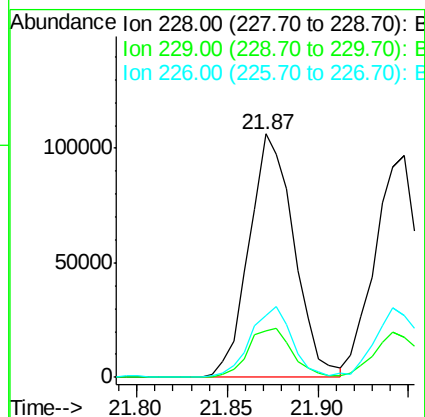
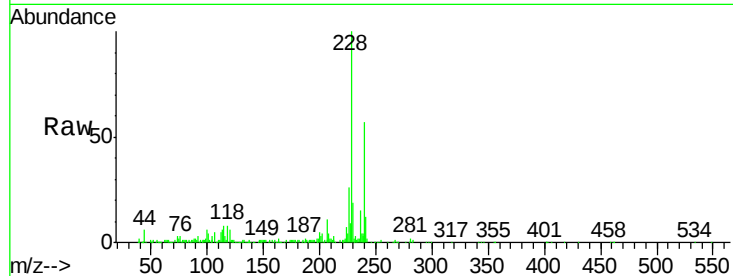
#80
Benzo(a)anthracene
Concen: 2.90 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampled :
MDL-05-S

Tgt Ion:	228	Resp:	183124
Ion Ratio	Lower	Upper	
228	100		
229	19.2	15.4	23.2
226	25.6	22.8	34.2

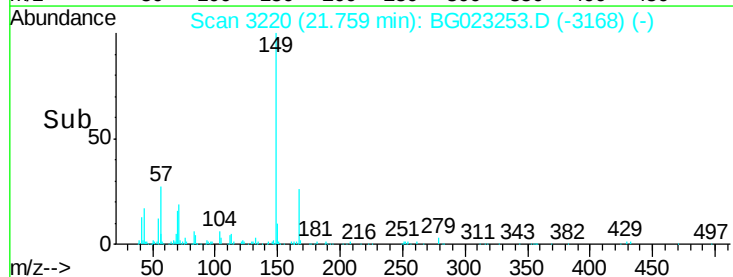
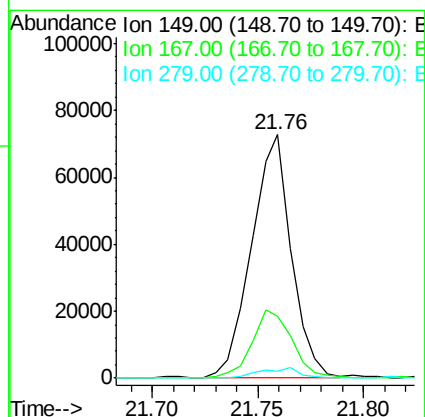
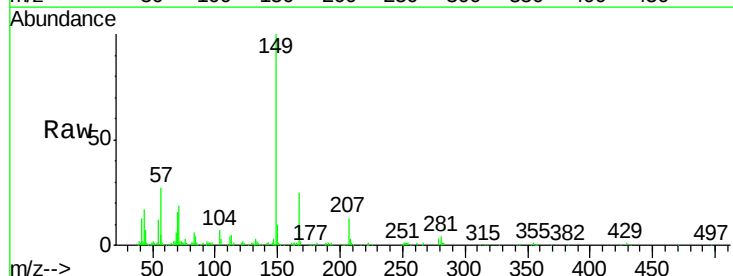
Manual Integrations

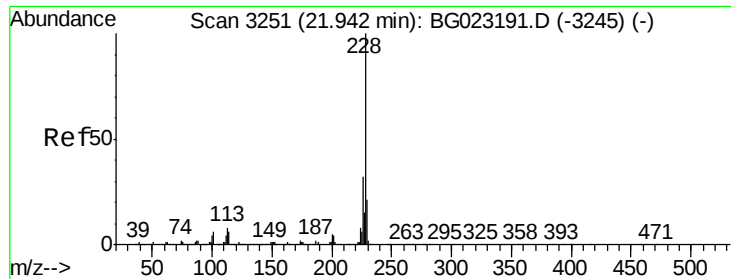
APPROVED
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7/26/2016 11:40:44 AM



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.47 ng/ul
RT: 21.76 min Scan# 3220
Delta R.T. 0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion:	149	Resp:	94866
Ion Ratio	Lower	Upper	
149	100		
167	25.5	21.9	32.9
279	2.8	2.9	4.3#





#82

Chrysene

Concen: 2.93 ng/ul

RT: 21.95 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

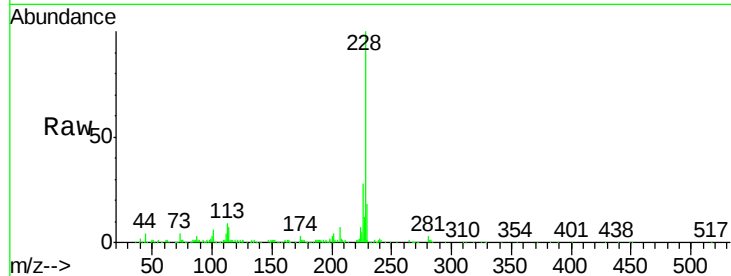
MDL-05-S

Tgt Ion:	228	Resp:	167956
Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.2	36.4
229	18.1	15.0	22.6

Manual Integrations

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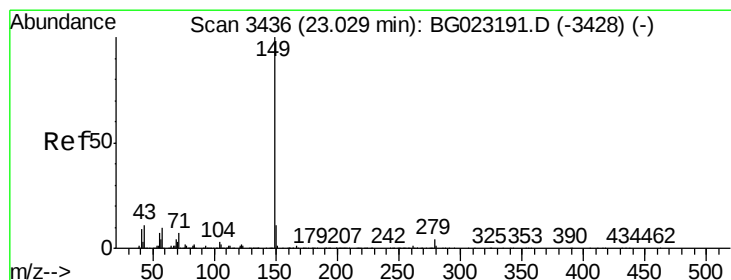
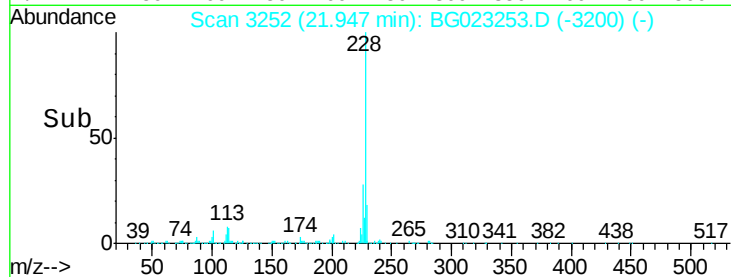
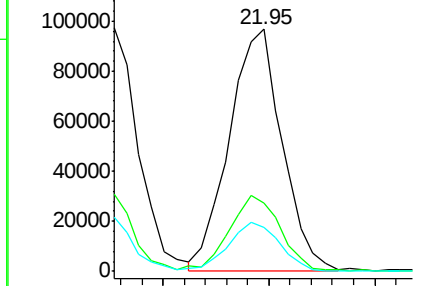
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 2.80 ng/ul

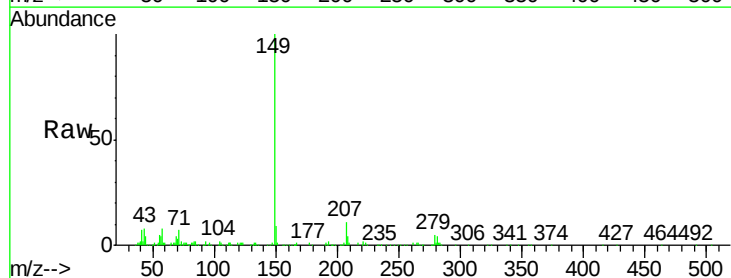
RT: 23.03 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BG023253.D

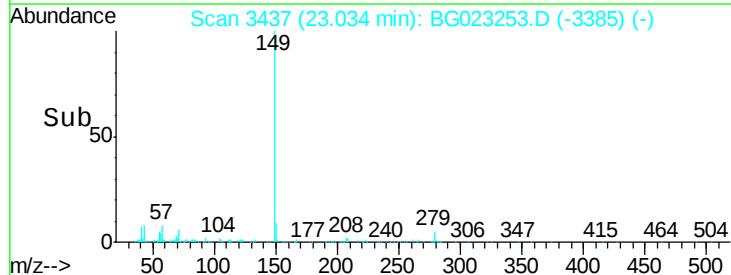
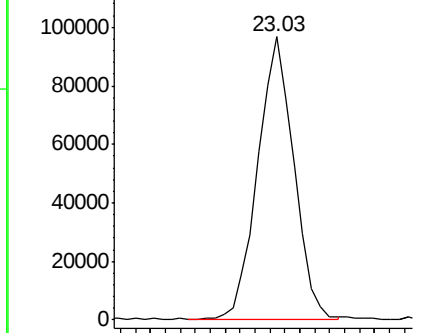
Acq: 25 Jul 2016 15:02

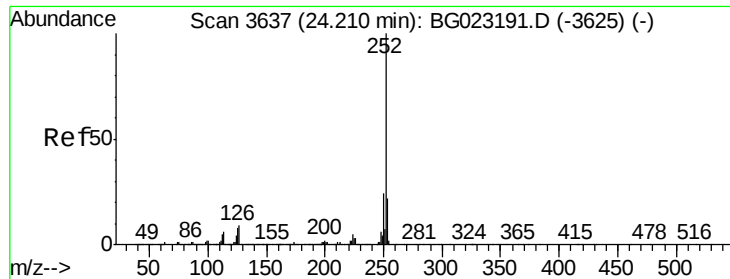
Tgt Ion:149 Resp: 161763



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E





#85

Benzo(b)fluoranthene

Concen: 2.73 ng/ul

RT: 24.22 min Scan# 3638

Delta R.T. 0.01 min

Lab File: BG023253.D

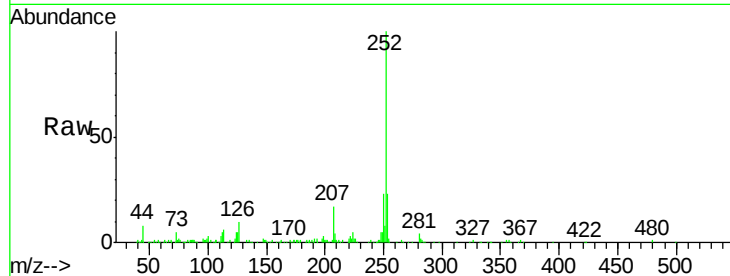
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

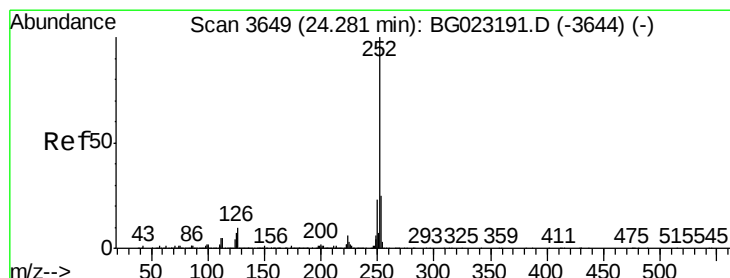
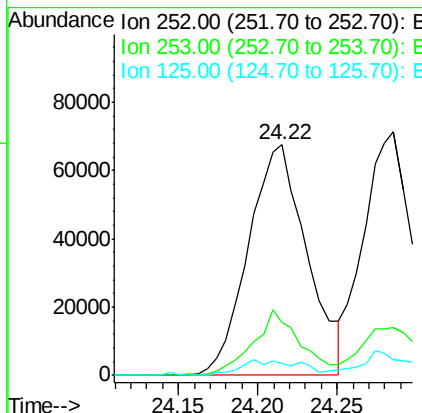
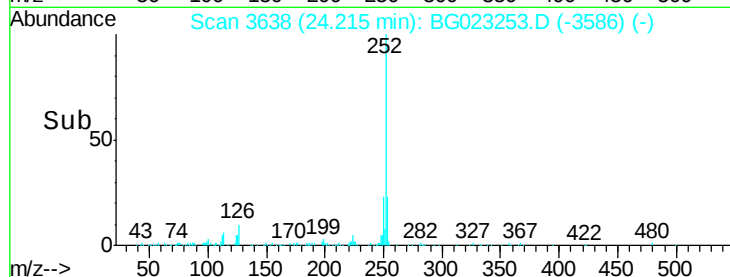


Tgt Ion:	252	Resp:	173421
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	5.5	10.8	16.2#

Manual Integrations

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#86

Benzo(k)fluoranthene

Concen: 2.74 ng/ul

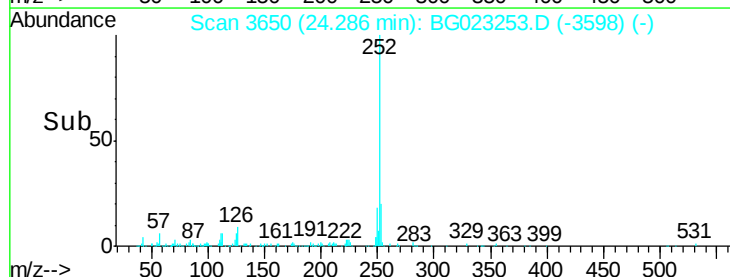
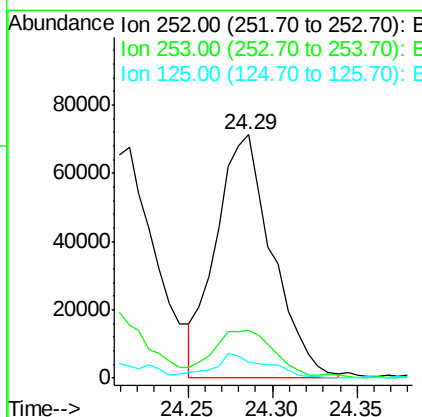
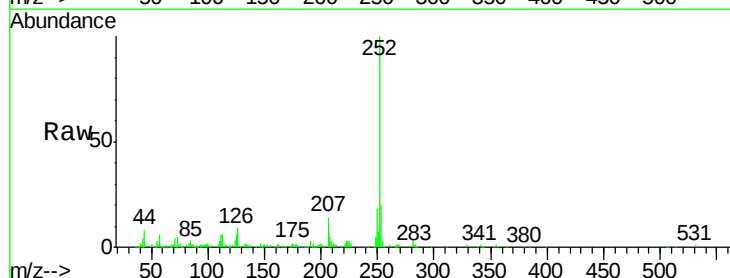
RT: 24.29 min Scan# 3650

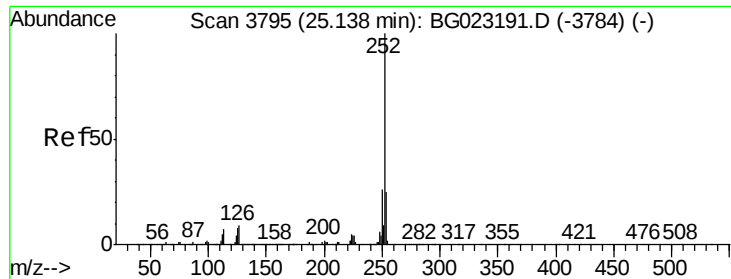
Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion:	252	Resp:	164736
Ion Ratio	Lower	Upper	
252	100		
253	19.5	15.8	23.6
125	6.3	10.6	16.0#





#88

Benzo(a)pyrene

Concen: 2.80 ng/ul

RT: 25.14 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BG023253.D

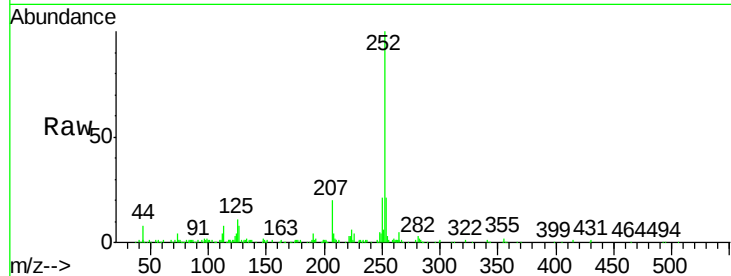
Acq: 25 Jul 2016 15:02

Instrument :

BNA_G

ClientSampleId :

MDL-05-S

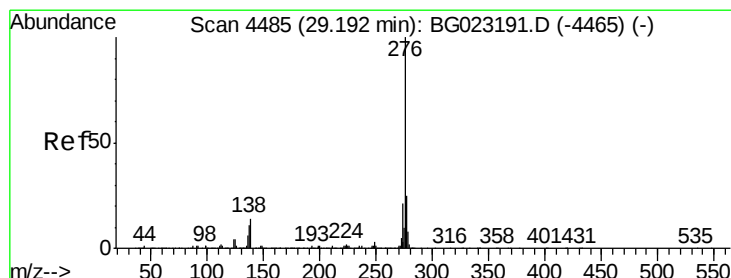
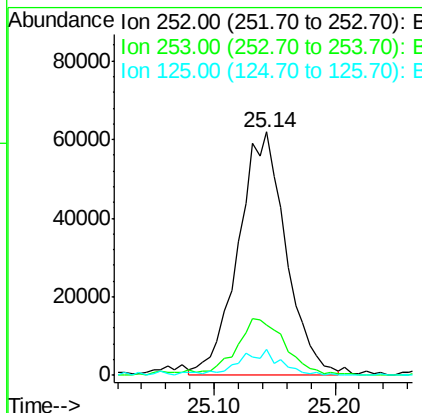
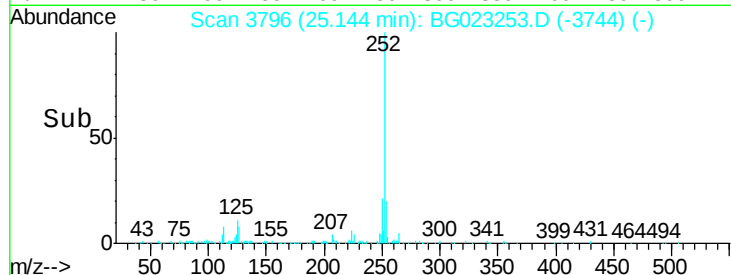


Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	19.0	28.4
125	10.7	12.0	18.0#

Manual Integrations

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#89

Indeno(1,2,3-cd)pyrene

Concen: 2.58 ng/ul m

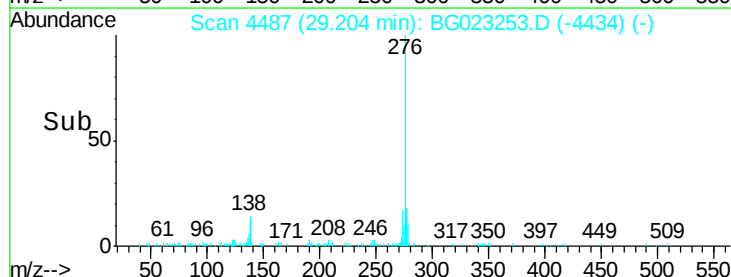
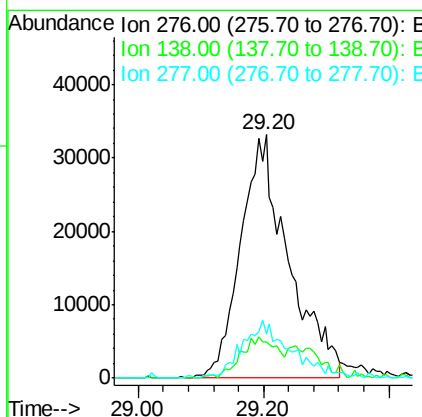
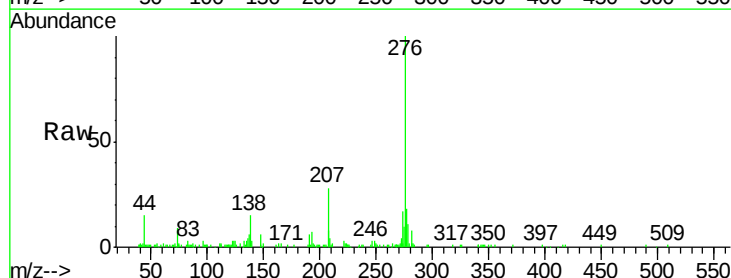
RT: 29.20 min Scan# 4487

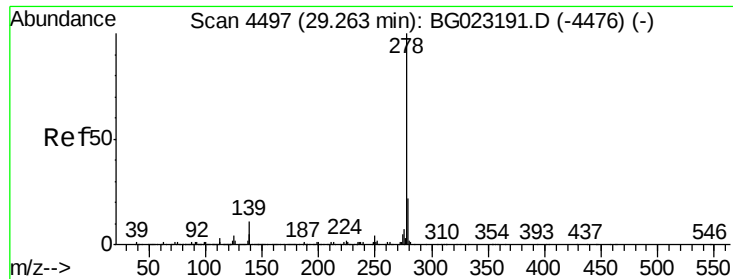
Delta R.T. 0.01 min

Lab File: BG023253.D

Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	20.8	31.2#
277	18.0	17.6	26.4





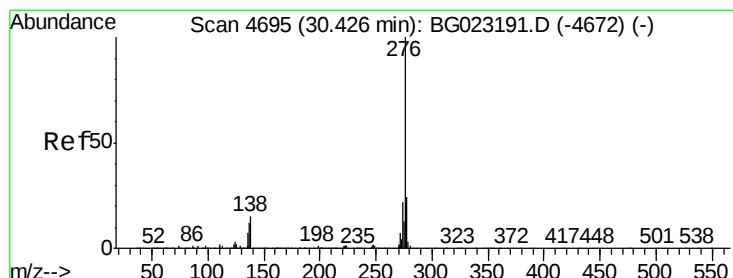
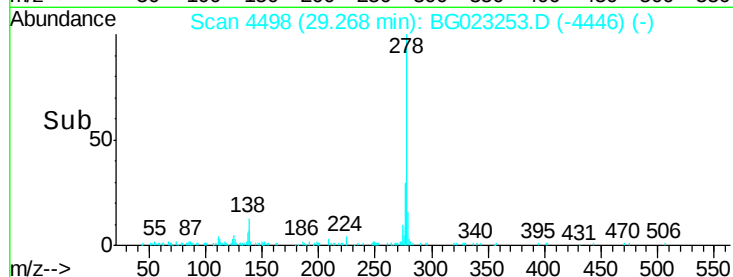
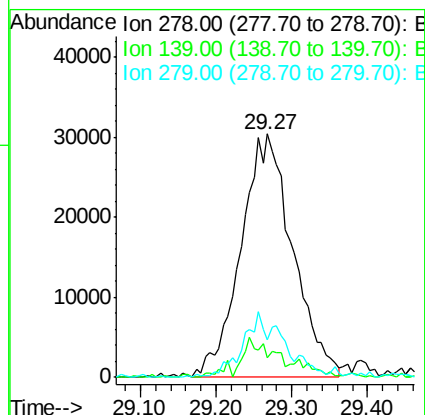
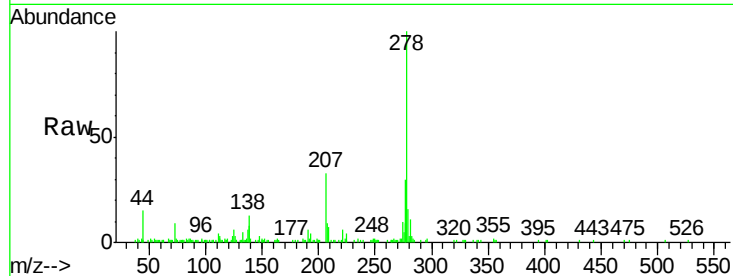
#90
Dibenzo(a,h)anthracene
Concen: 2.57 ng/ul m
RT: 29.27 min Scan# 4498
Delta R.T. 0.01 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Instrument :
BNA_G
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.9	16.3	24.5#
279	15.6	19.1	28.7#

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 2.61 ng/ul m
RT: 30.40 min Scan# 4691
Delta R.T. -0.02 min
Lab File: BG023253.D
Acq: 25 Jul 2016 15:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.4	22.1	33.1#
277	24.2	17.0	25.4

