

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
 Data File : BG023258.D
 Acq On : 25 Jul 2016 19:19
 Operator : UM/SJ
 Sample : MDL-01-S-ML
 Misc : MDL 4PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-01-S-ML

Manual Integrations

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 SOHIL
 7/26/2016 11:40:58 AM

Quant Time: Jul 26 10:49:52 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	139181	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	668199	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	491439	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	1148870	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1173158	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	1150595	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	10450m	3.40	ng/uL	0.00
5) Phenol-d5	7.29	99	446018	31.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	330367	34.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	309355	32.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	402689	36.07	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	220744	41.30	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	256986	41.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	348896	29.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	484321m	39.86	ng/ul	0.00
43) Dimethylphthalate-d6	14.21	166	1330066	32.55	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1551003	33.40	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	212770	29.51	ng/ul	0.00
57) Fluorene-d10	15.80	176	1203337	32.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	237005	29.98	ng/ul	0.00
70) Anthracene-d10	17.67	188	1802932	33.52	ng/ul	0.00
76) Pyrene-d10	19.96	212	2013306	33.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	1869786	34.61	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.54	88	4023m	1.22	ng/uL
4) Benzaldehyde	7.27	77	34420	3.86	ng/ul# 74
6) Phenol	7.31	94	41784m	2.80	ng/ul
8) Bis(2-Chloroethyl)ether	7.55	93	35149	3.13	ng/ul 89
10) 2-Chlorophenol	7.70	128	25724	2.60	ng/ul# 61
11) 2-Methylphenol	8.58	108	36086	3.27	ng/ul 96
12) 2,2'-oxybis(1-Chloropropan	8.67	45	61728	4.06	ng/ul# 83
14) Acetophenone	8.97	105	70935	3.65	ng/ul# 82
15) N-Nitroso-di-n-propylamine	8.94	70	44968	3.51	ng/ul# 89
16) 4-Methylphenol	8.91	108	43530	3.54	ng/ul 92
17) Hexachloroethane	9.23	117	16263	3.47	ng/ul 96
20) Nitrobenzene	9.36	77	61605	3.57	ng/ul# 80
21) Isophorone	9.88	82	108034	3.28	ng/ul# 87
23) 2-Nitrophenol	10.08	139	22466	3.37	ng/ul# 28
24) 2,4-Dimethylphenol	10.13	107	45973	3.01	ng/ul# 85
25) Bis(2-Chloroethoxy)methane	10.36	93	52396	2.88	ng/ul# 97
27) 2,4-Dichlorophenol	10.62	162	31502	2.71	ng/ul# 76
28) Naphthalene	11.03	128	103414	3.08	ng/ul 99
30) 4-Chloroaniline	11.13	127	44704	3.56	ng/ul 94
31) Hexachlorobutadiene	11.31	225	26577	2.85	ng/ul 90
32) Caprolactam	11.91	113	12215m	2.54	ng/ul
33) 4-Chloro-3-methylphenol	12.26	107	37074	2.43	ng/ul# 74
34) 2-Methylnaphthalene	12.63	142	79677	2.87	ng/ul 93

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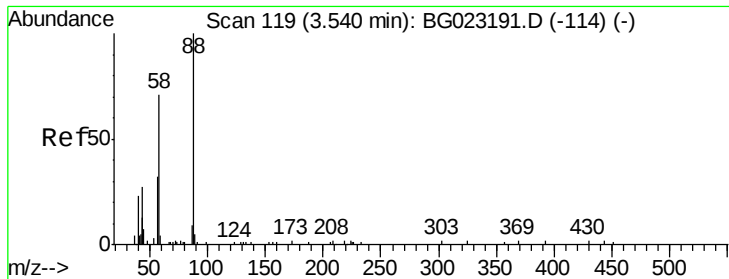
Manual Integrations

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 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
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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	48007	2.93	ng/ul	93
37) Hexachlorocyclopentadiene	12.97	237	21381	2.00	ng/ul	88
38) 2,4,6-Trichlorophenol	13.24	196	26180	2.31	ng/ul#	81
39) 2,4,5-Trichlorophenol	13.32	196	28893	2.49	ng/ul#	79
40) 1,1'-Biphenyl	13.64	154	115318	3.13	ng/ul	99
41) 2-Chloronaphthalene	13.68	162	88674	2.98	ng/ul	97
42) 2-Nitroaniline	13.89	65	33007	2.50	ng/ul#	61
44) Dimethylphthalate	14.25	163	122118	2.95	ng/ul#	94
45) 2,6-Dinitrotoluene	14.38	165	23365	2.60	ng/ul#	70
47) Acenaphthylene	14.53	152	150659	3.20	ng/ul#	91
48) 3-Nitroaniline	14.72	138	22058	2.88	ng/ul#	54
49) Acenaphthene	14.88	153	98007	3.08	ng/ul	98
50) 2,4-Dinitrophenol	14.92	184	8240m	1.46	ng/ul	
52) 4-Nitrophenol	15.02	109	18123	2.11	ng/ul#	53
53) Dibenzofuran	15.21	168	144518	3.08	ng/ul	95
54) 2,4-Dinitrotoluene	15.17	165	33810	2.47	ng/ul#	75
55) 2,3,4,6-Tetrachlorophenol	15.44	232	27268	2.33	ng/ul#	97
56) Diethylphthalate	15.62	149	126169	2.87	ng/ul	96
58) Fluorene	15.86	166	124146	3.21	ng/ul	93
59) 4-Chlorophenyl-phenylether	15.85	204	62706	2.96	ng/ul	98
60) 4-Nitroaniline	15.88	138	25606	2.72	ng/ul#	66
63) 4,6-Dinitro-2-methylphenol	15.93	198	22244	2.66	ng/ul#	25
64) N-Nitrosodiphenylamine	16.06	169	105808	3.19	ng/ul	95
65) 4-Bromophenyl-phenylether	16.75	248	39398	2.98	ng/ul	96
66) Hexachlorobenzene	16.87	284	38490	2.84	ng/ul#	86
67) Atrazine	17.01	200	36425	2.57	ng/ul	91
68) Pentachlorophenol	17.22	266	16158	1.92	ng/ul#	57
69) Phenanthrene	17.61	178	200280	3.38	ng/ul	99
71) Anthracene	17.71	178	202357	3.26	ng/ul	99
72) Carbazole	17.98	167	171007	3.50	ng/ul	95
73) Di-n-butylphthalate	18.52	149	201710	2.98	ng/ul#	97
74) Fluoranthene	19.62	202	232871	3.75	ng/ul#	91
77) Pyrene	19.99	202	252458	3.54	ng/ul#	90
78) Butylbenzylphthalate	20.86	149	85128	2.75	ng/ul#	84
79) 3,3'-Dichlorobenzidine	21.79	252	57811	2.47	ng/ul	96
80) Benzo(a)anthracene	21.87	228	219077	3.15	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.76	149	119839	2.83	ng/ul#	99
82) Chrysene	21.94	228	206951	3.27	ng/ul	98
84) Di-n-octyl phthalate	23.03	149	203274	3.19	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	213948	3.06	ng/ul#	95
86) Benzo(k)fluoranthene	24.28	252	215380	3.25	ng/ul#	94
88) Benzo(a)pyrene	25.14	252	216053	3.24	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.18	276	218272m	2.91	ng/ul	
90) Dibenzo(a,h)anthracene	29.26	278	179507m	2.90	ng/ul	
91) Benzo(g,h,i)perylene	30.40	276	186107m	3.00	ng/ul	

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



#2

1,4-Dioxane

Concen: 1.22 ng/uL m

RT: 3.54 min Scan# 119

Delta R.T. -0.00 min

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BNA_G

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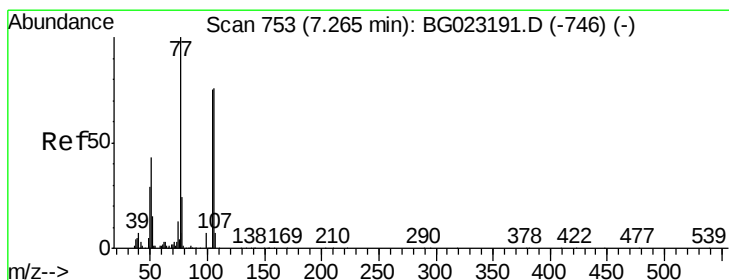
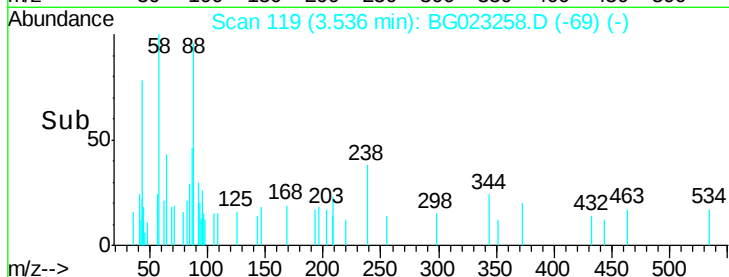
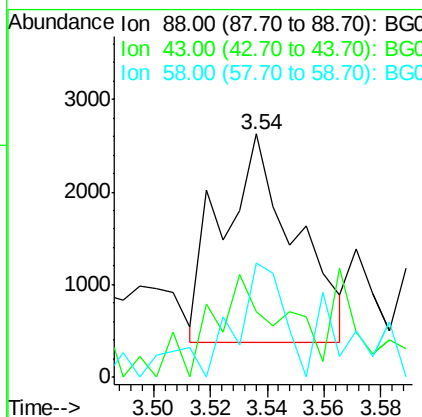
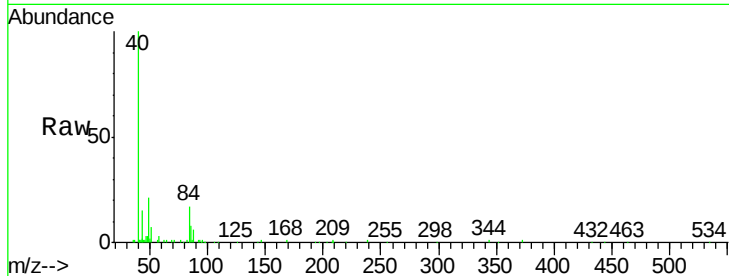
MDL-01-S-ML

Tgt Ion:	88	Resp:	4023
Ion Ratio	Lower	Upper	
88	100		
43	26.8	16.6	24.8#
58	46.8	47.2	70.8#

Manual Integrations

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#4

Benzaldehyde

Concen: 3.86 ng/uL

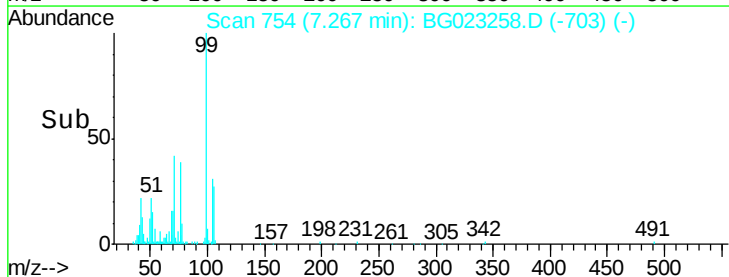
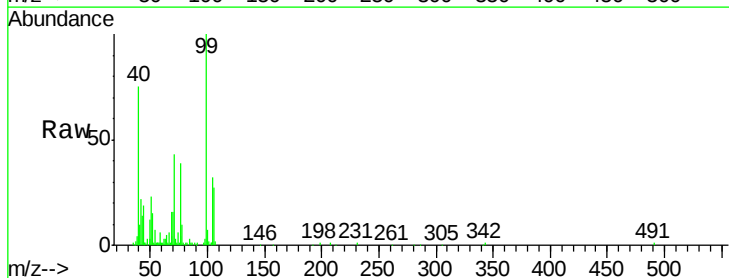
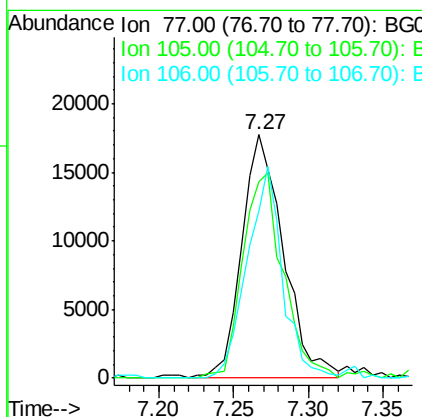
RT: 7.27 min Scan# 754

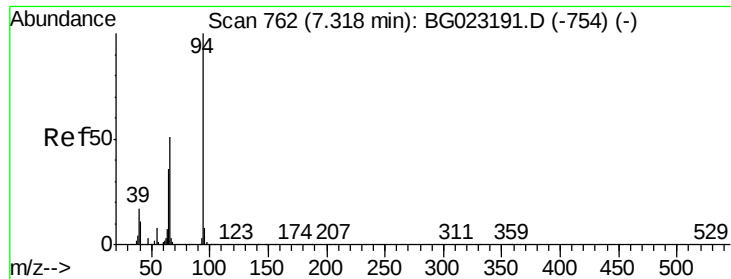
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	77	Resp:	34420
Ion Ratio	Lower	Upper	
77	100		
105	80.7	83.8	125.8#
106	68.6	77.9	116.9#





#6

Phenol

Concen: 2.80 ng/ul m

RT: 7.31 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

MDL-01-S-ML

Tgt Ion: 94 Resp: 41784

Ion Ratio Lower Upper

94 100

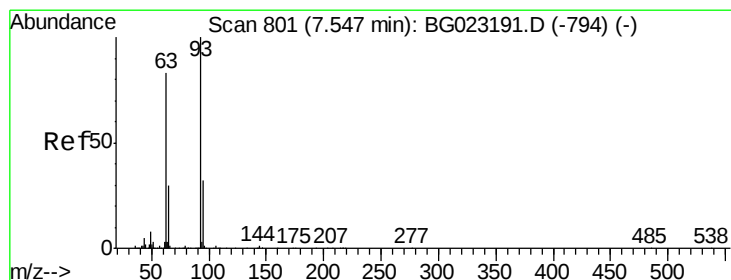
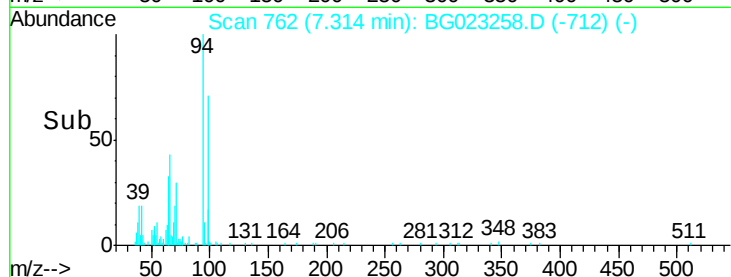
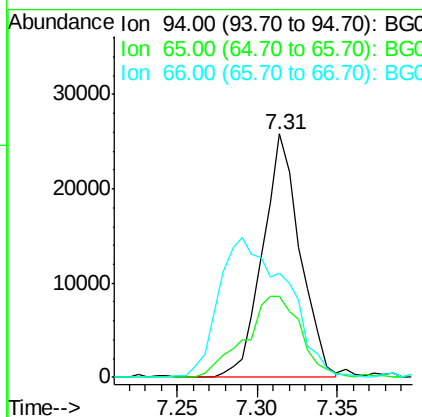
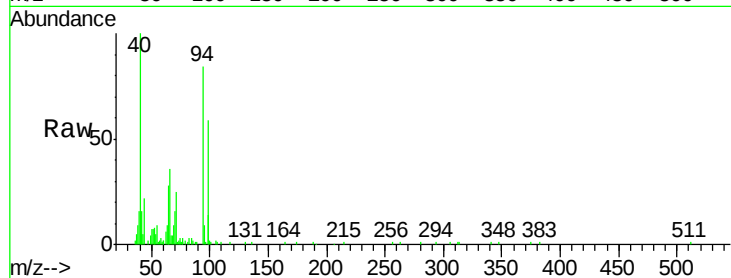
65 33.1 16.8 25.2#

66 42.8 22.6 33.8#

Manual Integrations

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#8

Bis(2-Chloroethyl)ether

Concen: 3.13 ng/ul

RT: 7.55 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

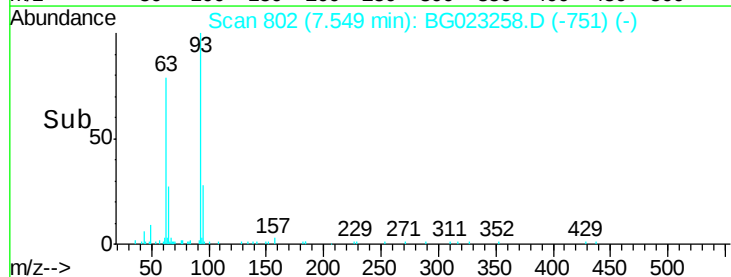
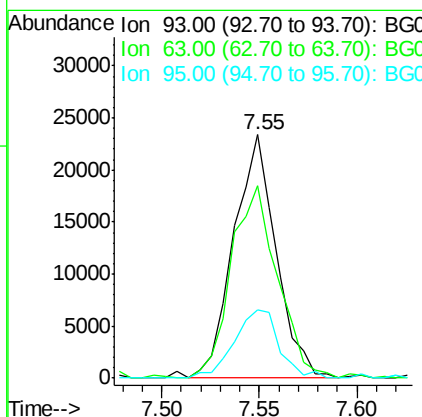
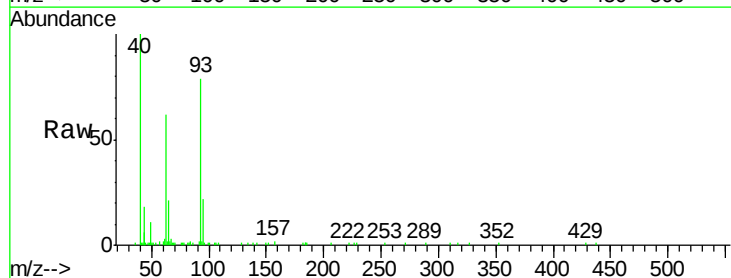
Tgt Ion: 93 Resp: 35149

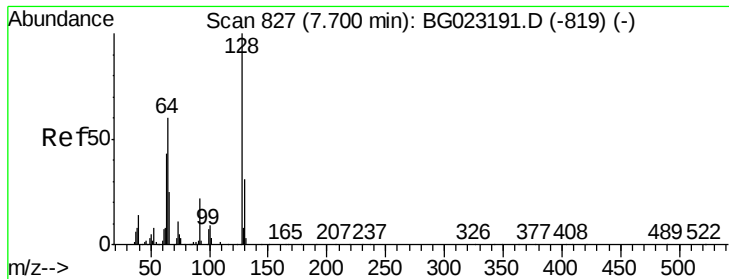
Ion Ratio Lower Upper

93 100

63 79.2 56.0 84.0

95 28.1 27.7 41.5





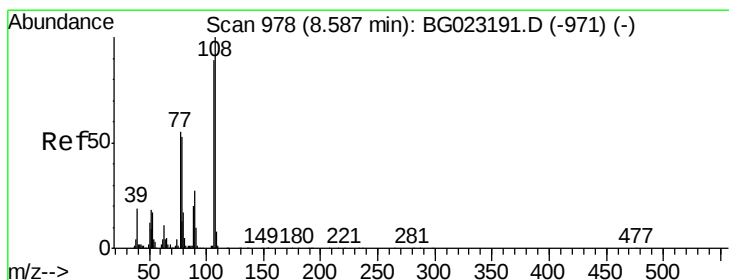
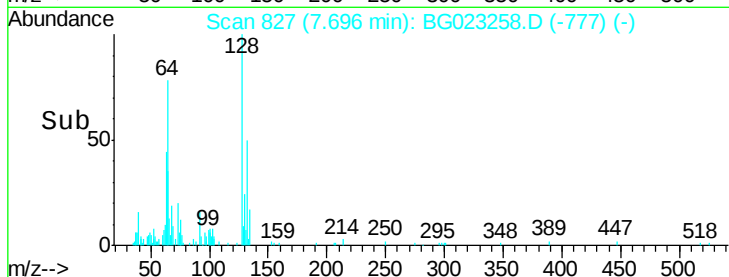
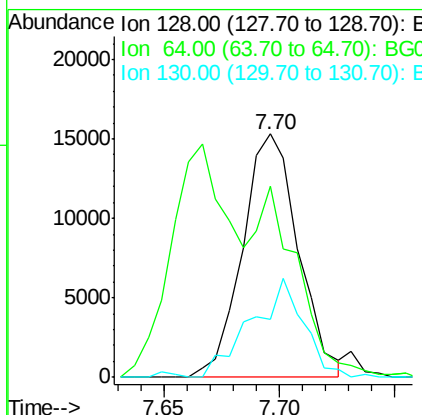
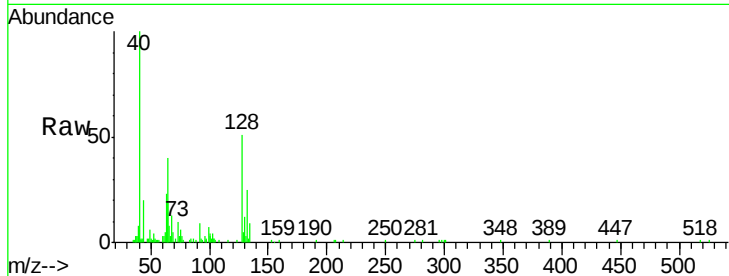
#10
2-Chlorophenol
Concen: 2.60 ng/ul
RT: 7.70 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

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MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
128	100		
64	78.4	34.2	51.4#
130	23.9	27.0	40.4#

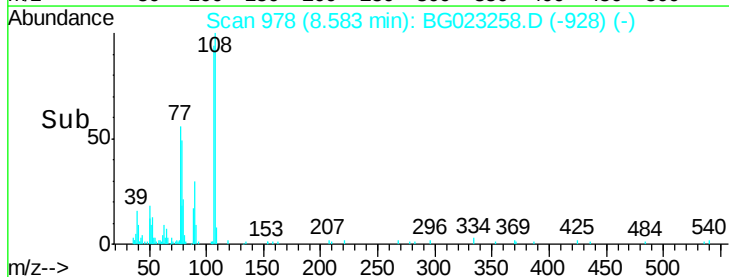
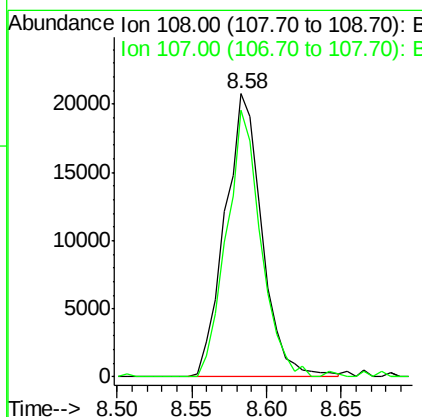
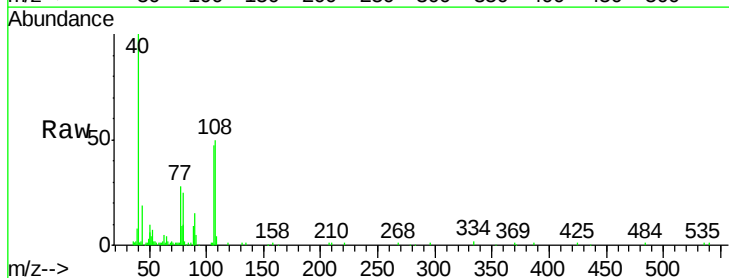
Manual Integrations

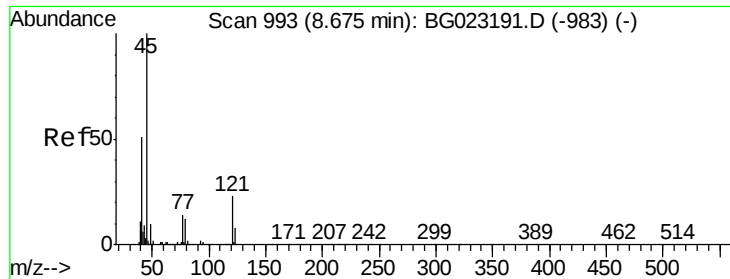
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#11
2-Methylphenol
Concen: 3.27 ng/ul
RT: 8.58 min Scan# 978
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
108	100		
107	94.3	78.6	117.8





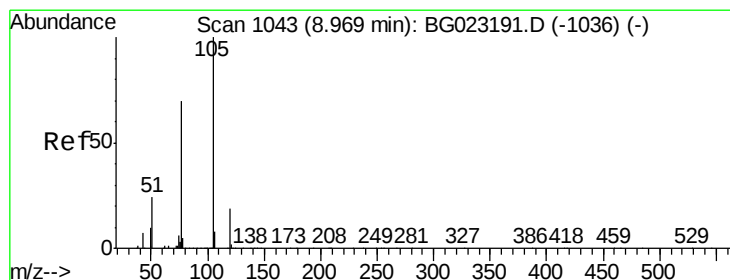
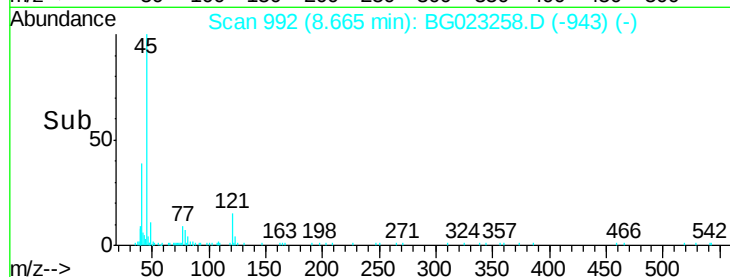
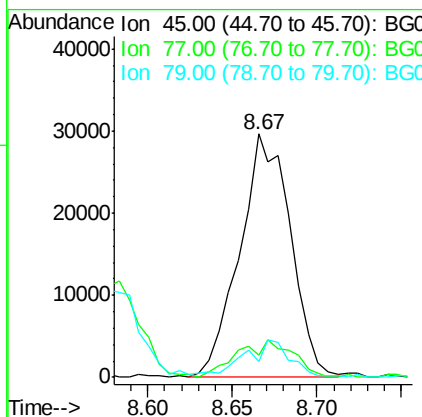
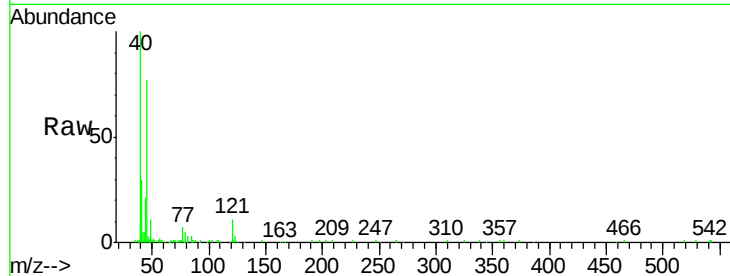
#12
2,2'-oxybis(1-Chloropropane)
Concen: 4.06 ng/ul
RT: 8.67 min Scan# 992
Delta R.T. -0.01 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

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Tgt Ion	Ratio	Lower	Upper
45	100		
77	9.3	13.4	20.2#
79	6.6	10.2	15.4#

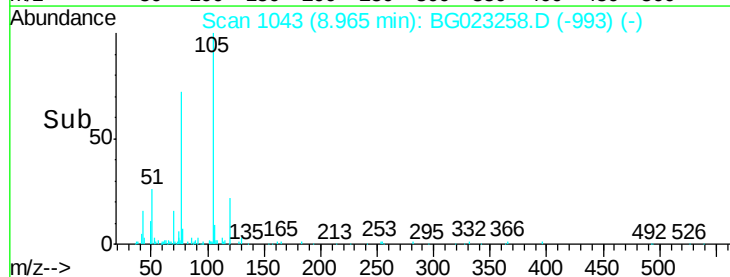
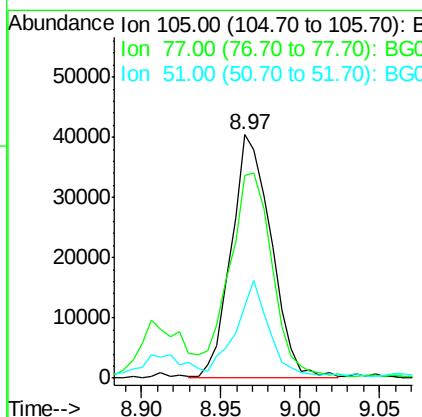
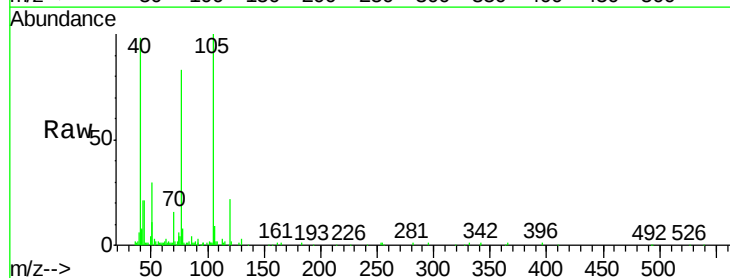
Manual Integrations

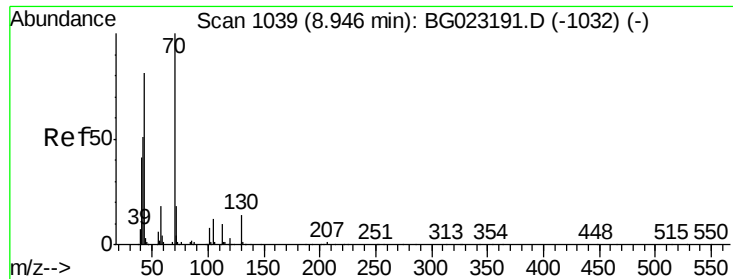
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#14
Acetophenone
Concen: 3.65 ng/ul
RT: 8.97 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
105	100		
77	83.3	56.1	84.1
51	29.7	14.6	22.0#





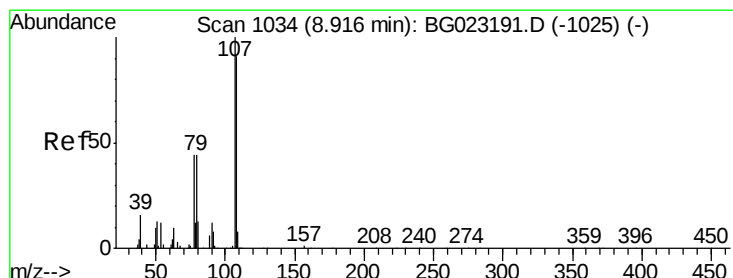
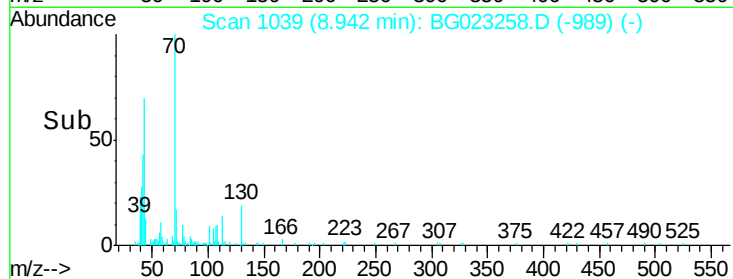
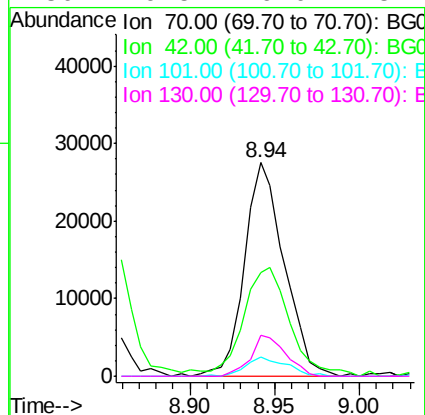
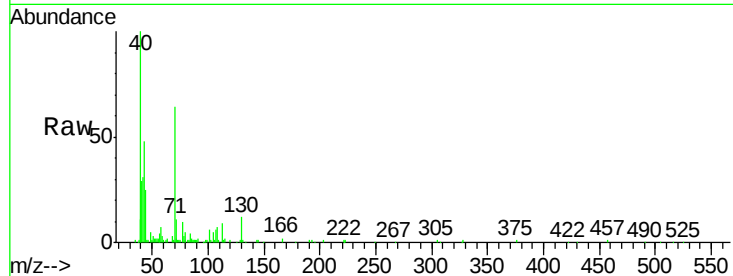
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N-Nitroso-di-n-propylamine
Concen: 3.51 ng/ul
RT: 8.94 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	48.3	31.4	47.2#	
101	9.2	8.6	13.0	
130	19.5	19.0	28.4	

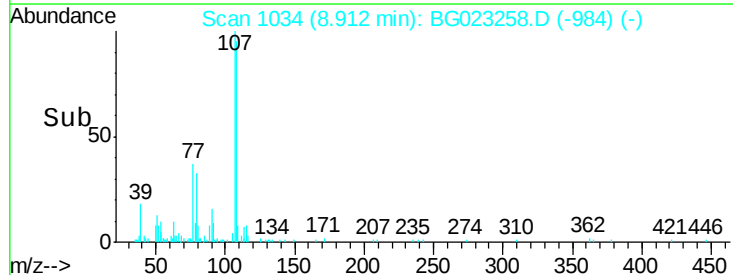
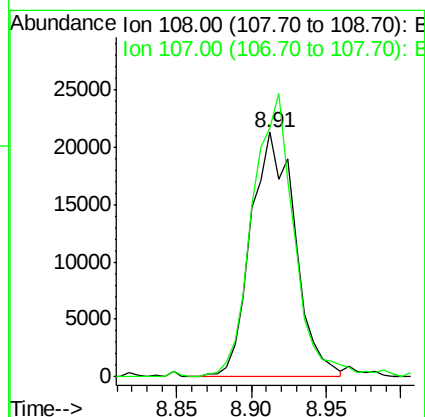
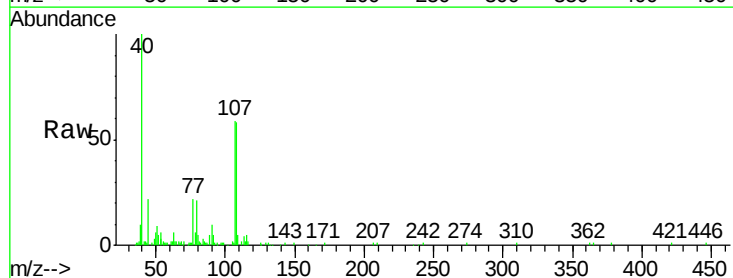
Manual Integrations

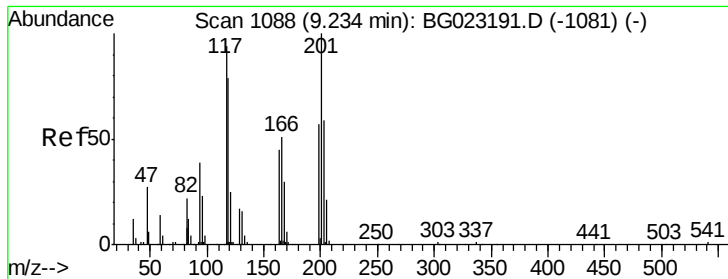
SOHIL
7/26/2016 11:40:58 AM



#16
4-Methylphenol
Concen: 3.54 ng/ul
RT: 8.91 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	101.7	88.3	132.5	





#17

Hexachloroethane

Concen: 3.47 ng/ul

RT: 9.23 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

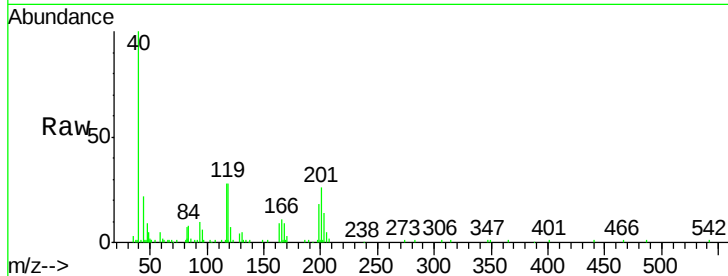
MDL-01-S-ML

Tgt Ion:	117	Resp:	16263
Ion Ratio	Lower	Upper	
117	100		
201	96.3	76.8	115.2
199	62.3	43.5	65.3

Manual Integrations

SOHIL

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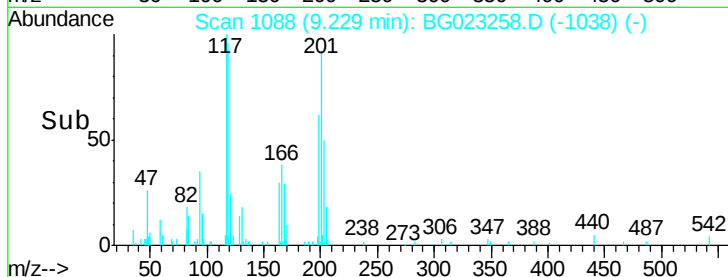


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

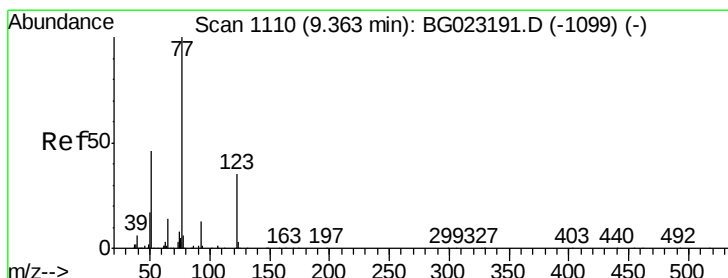
Ion 199.00 (198.70 to 199.70): E

Time-->



Abundance

Time-->



#20

Nitrobenzene

Concen: 3.57 ng/ul

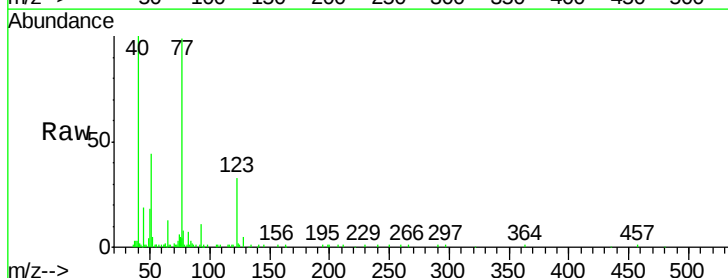
RT: 9.36 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	77	Resp:	61605
Ion Ratio	Lower	Upper	
77	100		
123	33.5	39.5	59.3#
65	13.2	9.0	13.4

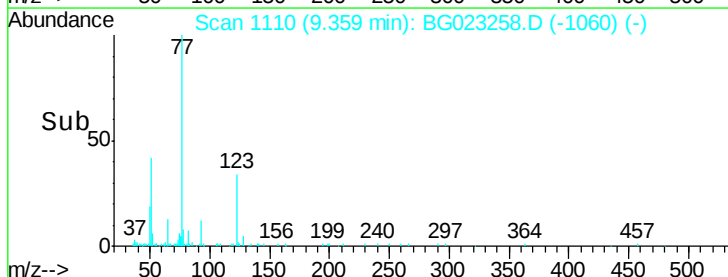


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

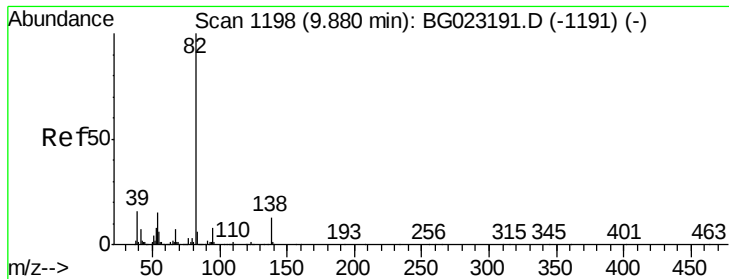
Ion 65.00 (64.70 to 65.70): BGC

Time-->



Abundance

Time-->



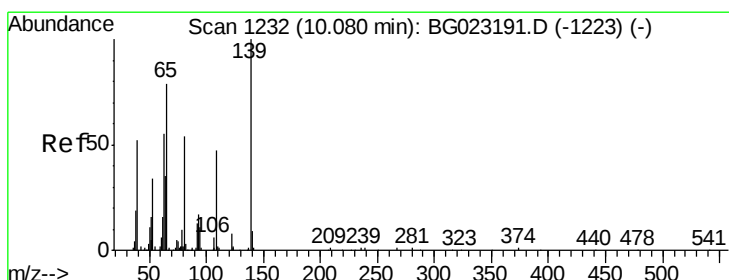
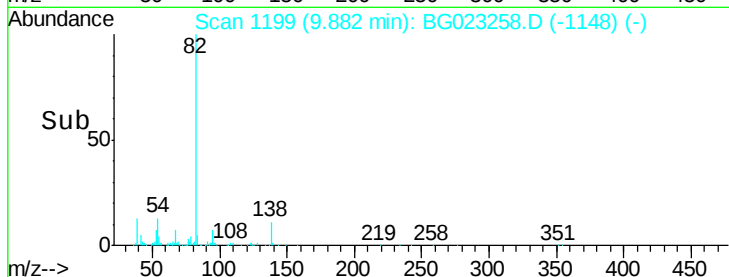
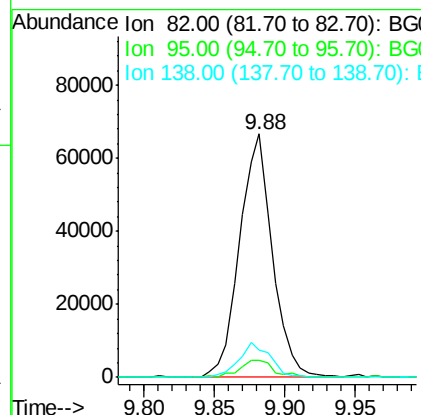
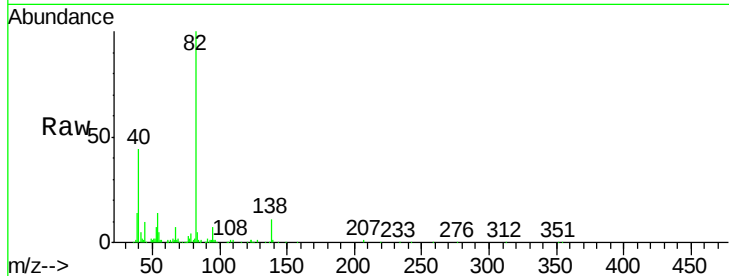
#21
Isophorone
Concen: 3.28 ng/ul
RT: 9.88 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.1	7.7
138	11.0	15.0	22.6#

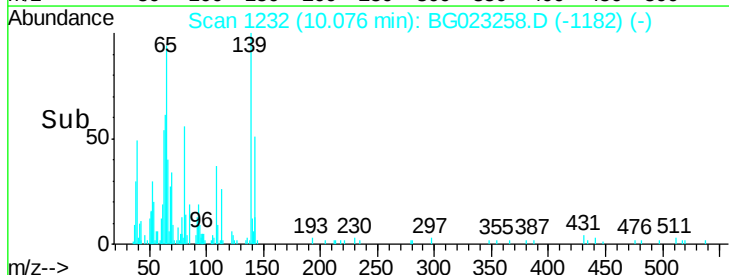
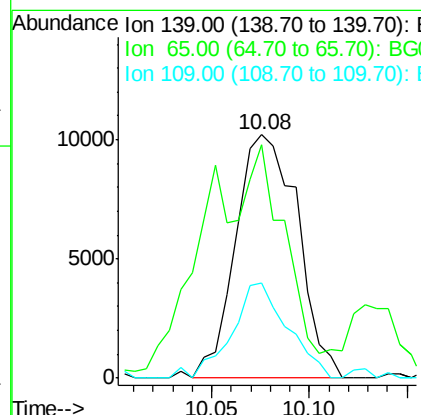
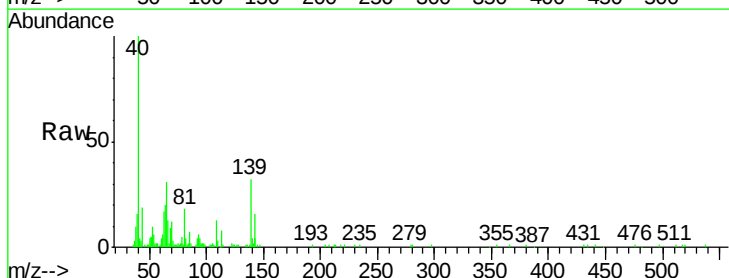
Manual Integrations

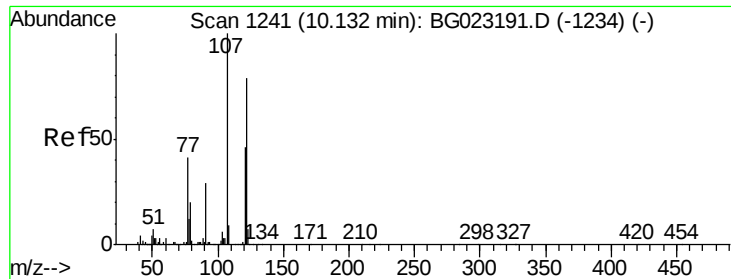
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#23
2-Nitrophenol
Concen: 3.37 ng/ul
RT: 10.08 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
139	100		
65	95.7	31.8	47.8#
109	38.9	17.1	25.7#





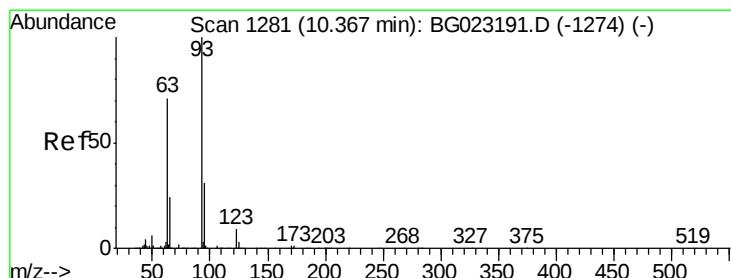
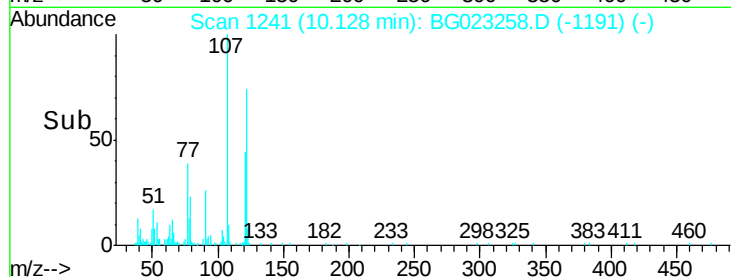
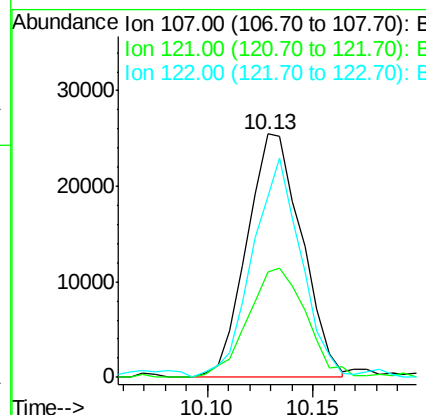
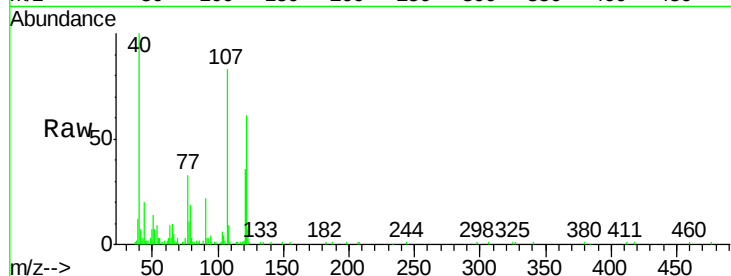
#24
2,4-Dimethylphenol
Concen: 3.01 ng/ul
RT: 10.13 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion: 107 Resp: 45973
Ion Ratio Lower Upper
107 100
121 43.5 43.7 65.5#
122 74.1 70.3 105.5

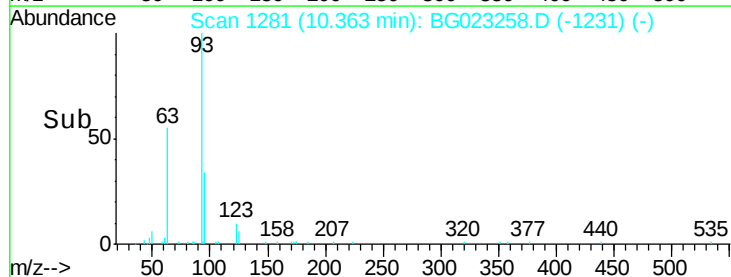
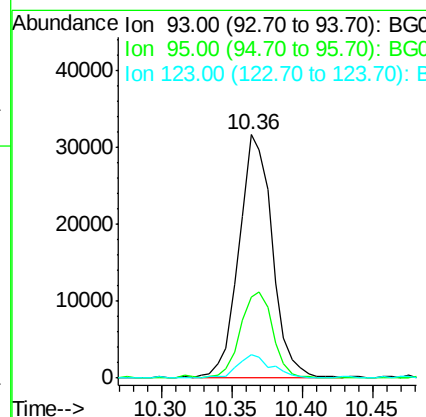
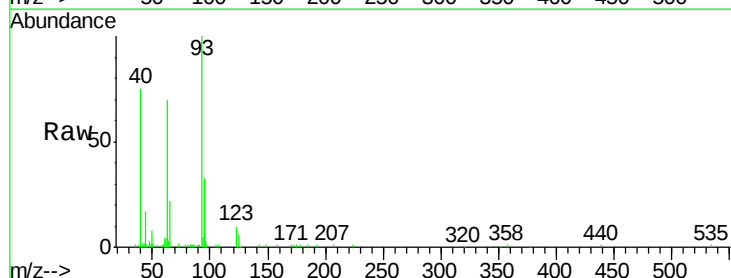
Manual Integrations

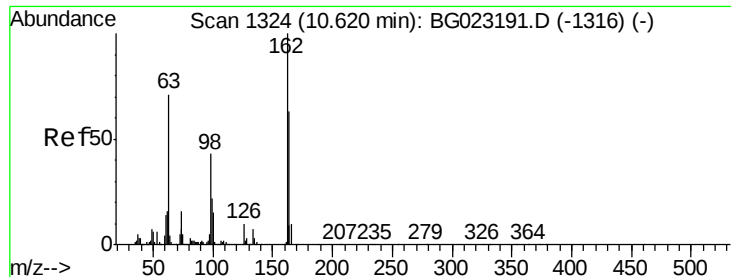
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#25
Bis(2-Chloroethoxy)methane
Concen: 2.88 ng/ul
RT: 10.36 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion: 93 Resp: 52396
Ion Ratio Lower Upper
93 100
95 33.1 26.0 39.0
123 9.6 10.1 15.1#





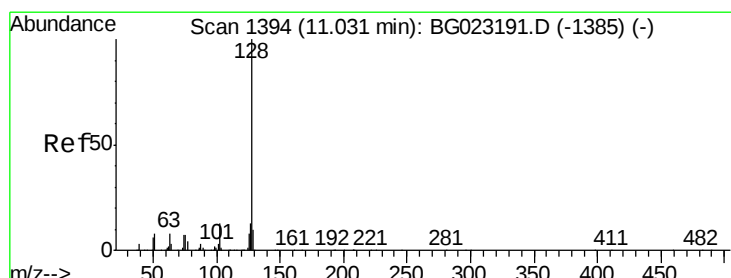
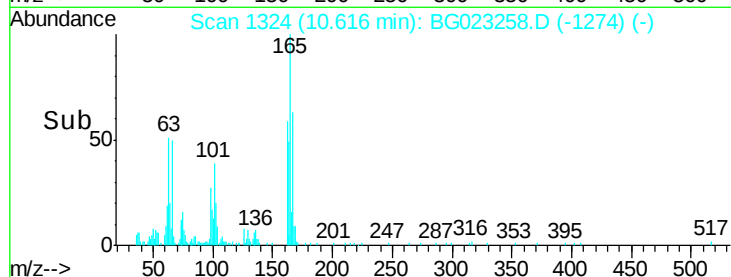
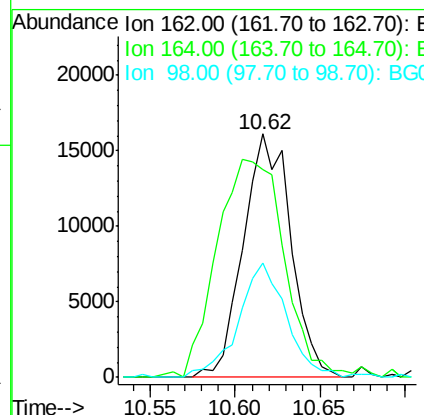
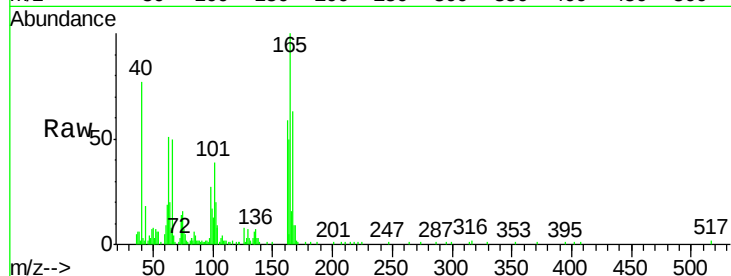
#27
2,4-Dichlorophenol
Concen: 2.71 ng/ul
RT: 10.62 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
162	100		
164	85.1	51.6	77.4#
98	46.8	28.3	42.5#

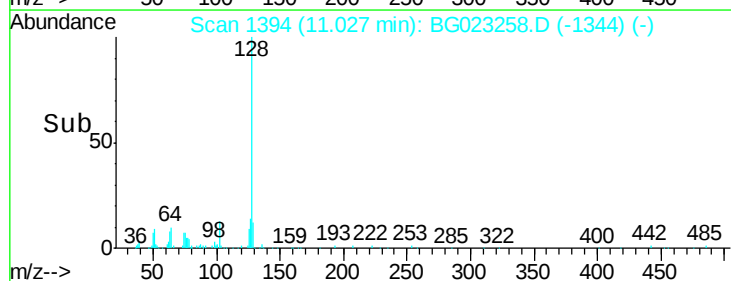
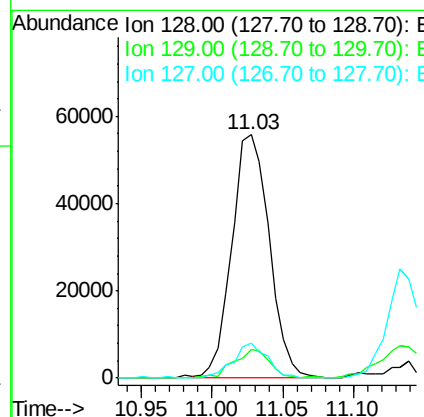
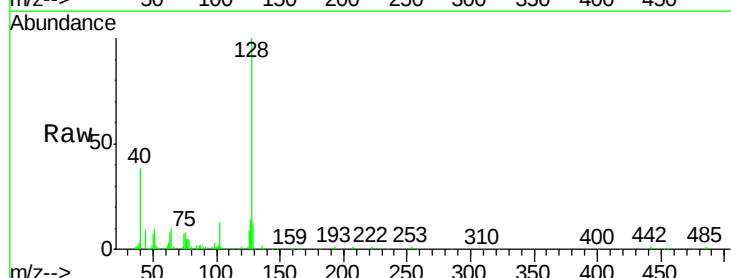
Manual Integrations

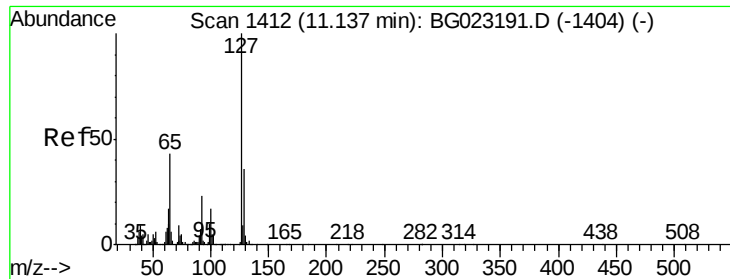
SOHIL
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#28
Naphthalene
Concen: 3.08 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.4	14.2
127	14.4	11.2	16.8





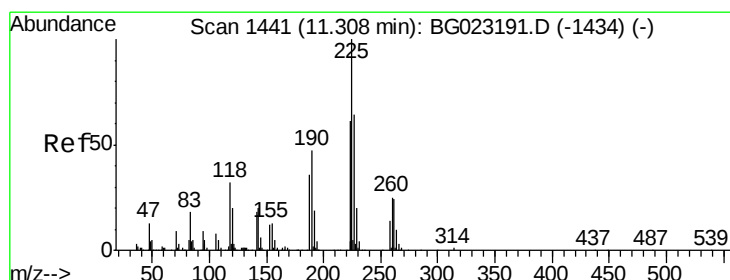
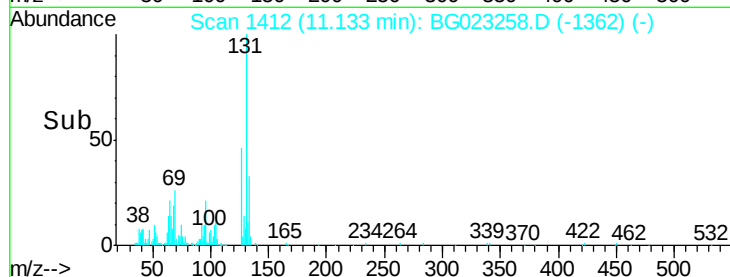
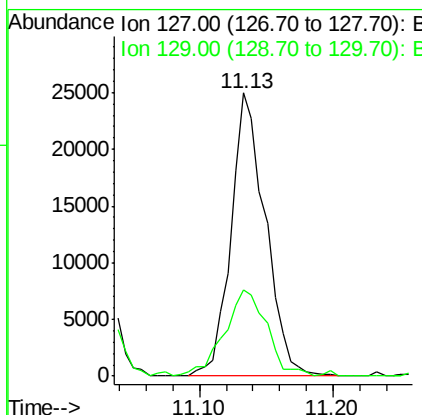
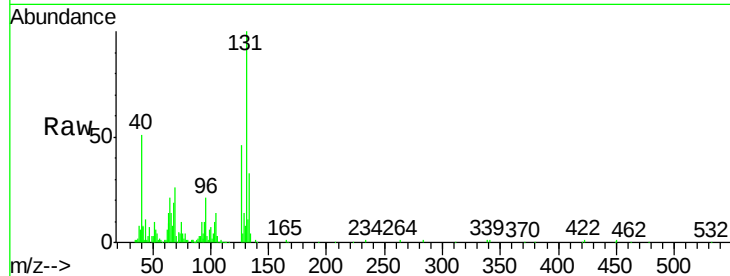
#30
4-Chloroaniline
Concen: 3.56 ng/ul
RT: 11.13 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion:127 Resp: 44704
Ion Ratio Lower Upper
127 100
129 30.3 26.9 40.3

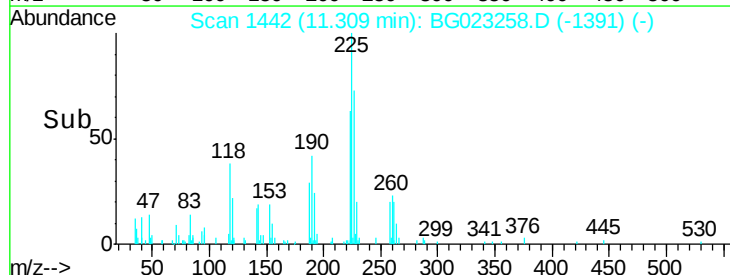
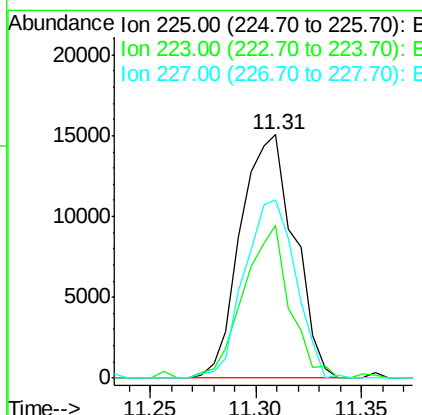
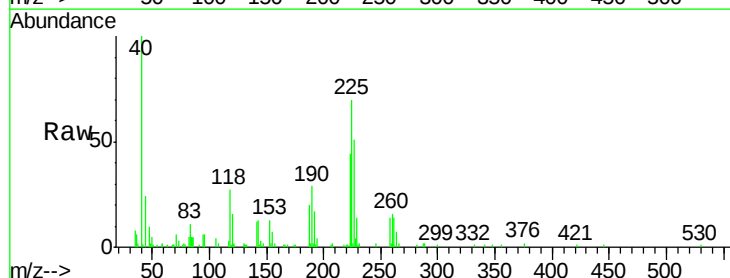
Manual Integrations

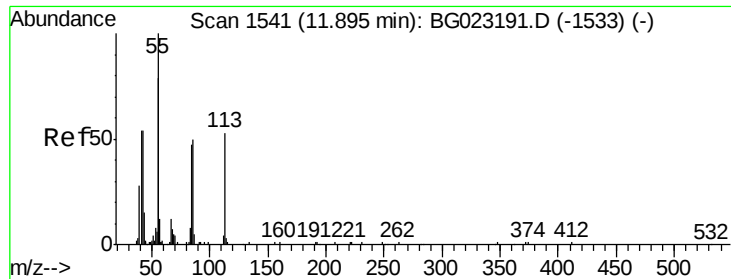
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#31
Hexachlorobutadiene
Concen: 2.85 ng/ul
RT: 11.31 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion:225 Resp: 26577
Ion Ratio Lower Upper
225 100
223 63.1 54.7 82.1
227 76.0 52.2 78.4





#32

Caprolactam

Concen: 2.54 ng/ul m

RT: 11.91 min Scan# 1545

Delta R.T. 0.02 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

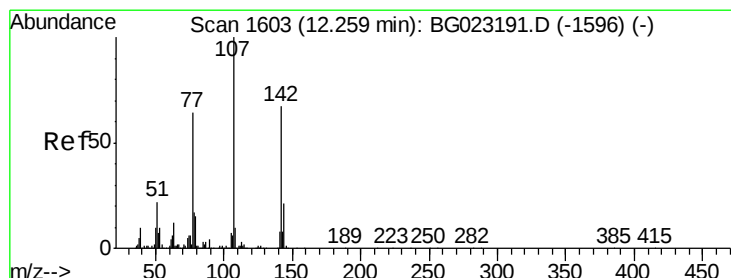
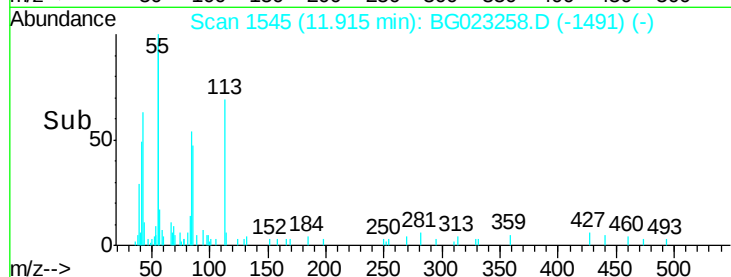
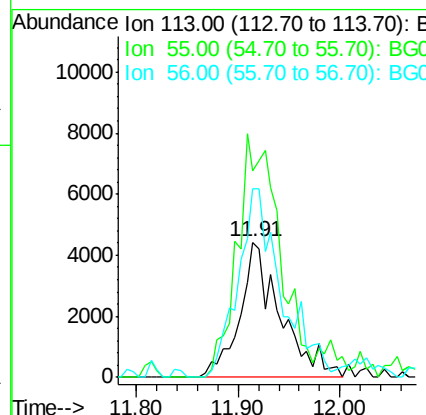
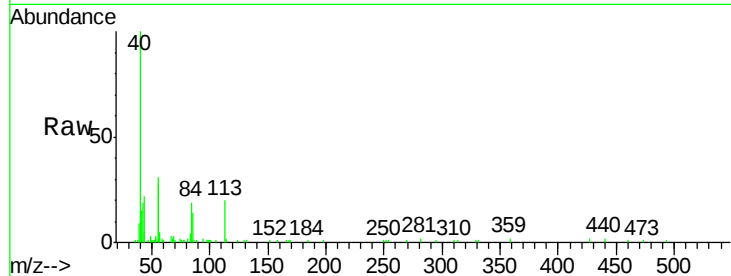
MDL-01-S-ML

Tgt Ion:	113	Resp:	12215
Ion Ratio	Lower	Upper	
113	100		
55	153.1	99.6	149.4#
56	139.5	66.4	99.6#

Manual Integrations

SOHIL

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#33

4-Chloro-3-methylphenol

Concen: 2.43 ng/ul

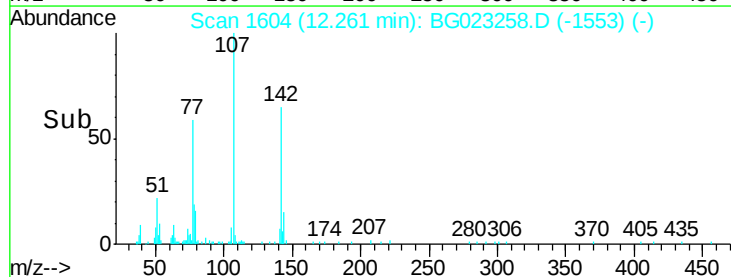
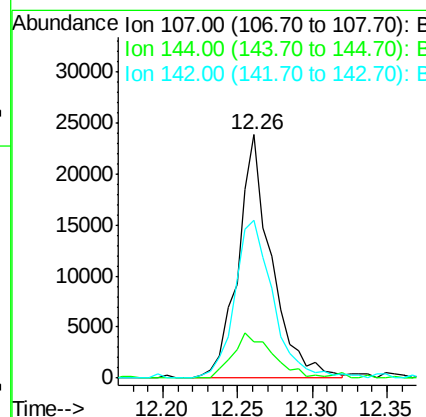
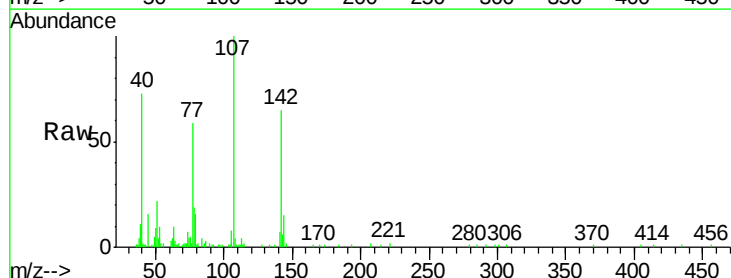
RT: 12.26 min Scan# 1604

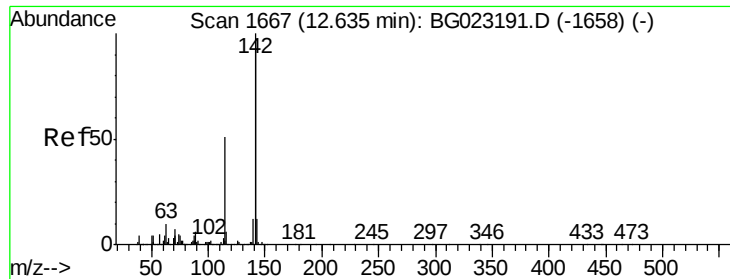
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	107	Resp:	37074
Ion Ratio	Lower	Upper	
107	100		
144	15.1	22.7	34.1#
142	64.9	71.6	107.4#





#34

2-Methylnaphthalene

Concen: 2.87 ng/ul

RT: 12.63 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

MDL-01-S-ML

Tgt Ion:142 Resp: 79677

Ion Ratio Lower Upper

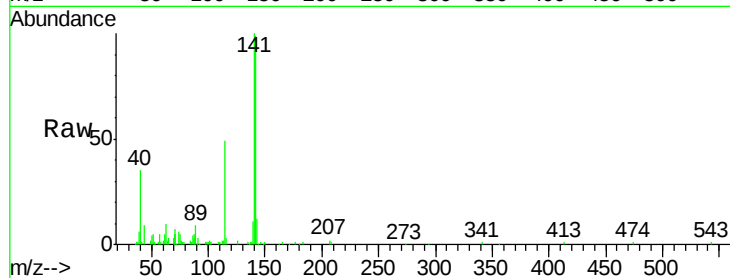
142 100

141 100.7 75.2 112.8

Manual Integrations

SOHIL

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.63

50000

40000

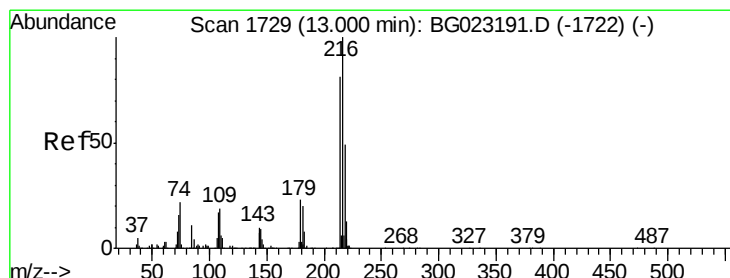
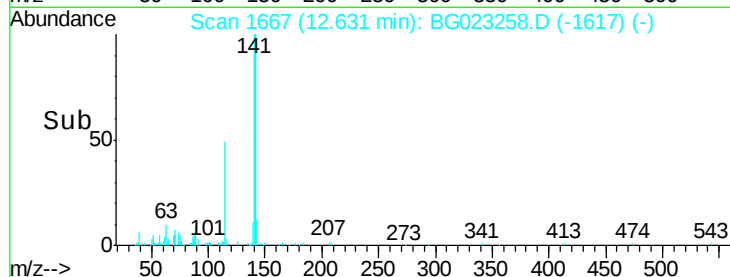
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#36

1,2,4,5-Tetrachlorobenzene

Concen: 2.93 ng/ul

RT: 13.00 min Scan# 1729

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:216 Resp: 48007

Ion Ratio Lower Upper

216 100

214 83.3 61.7 92.5

179 17.3 17.0 25.4

108 15.9 14.2 21.2

Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

40000

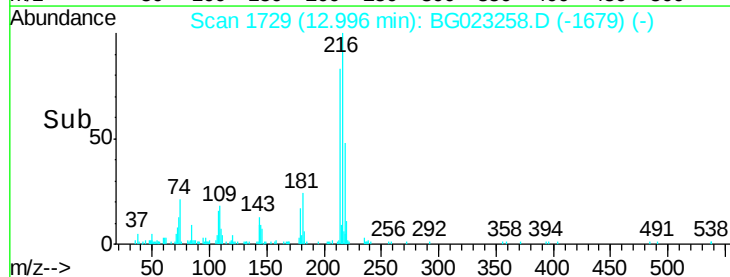
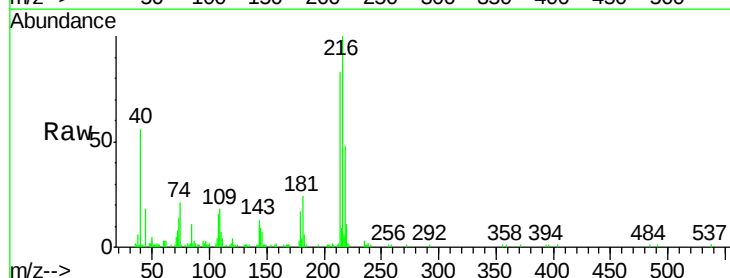
30000

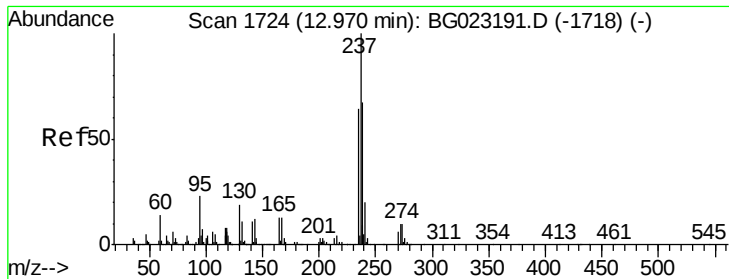
20000

10000

0

Time--> 12.95 13.00 13.05





#37

Hexachlorocyclopentadiene

Concen: 2.00 ng/ul

RT: 12.97 min Scan# 1725

Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

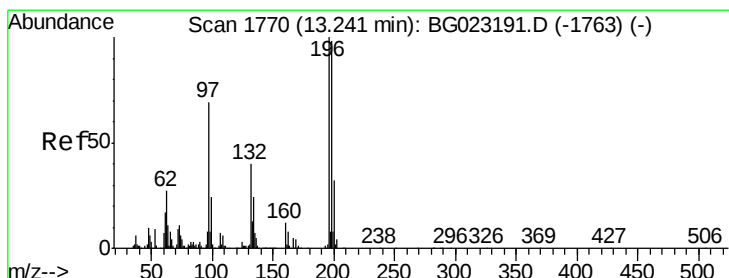
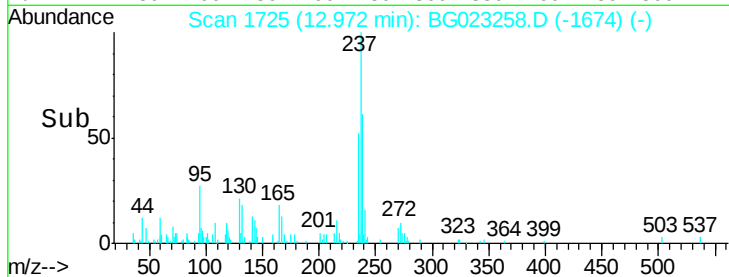
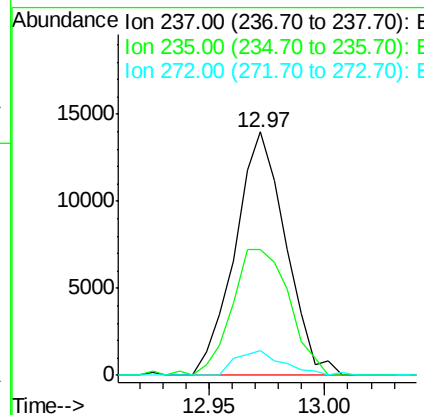
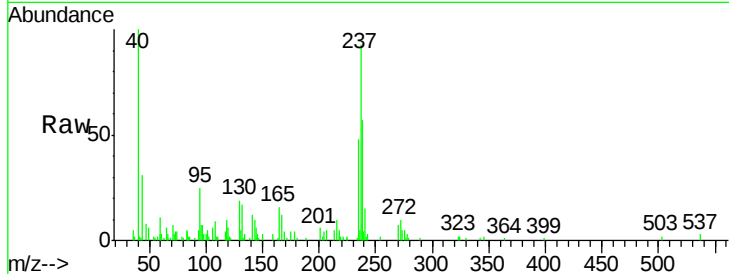
MDL-01-S-ML

Tgt Ion:	237	Resp:	21381
Ion Ratio	Lower	Upper	
237	100		
235	51.9	49.6	74.4
272	10.4	9.3	13.9

Manual Integrations

SOHIL

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#38

2,4,6-Trichlorophenol

Concen: 2.31 ng/ul

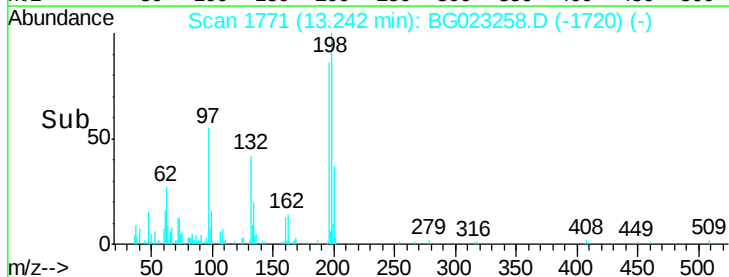
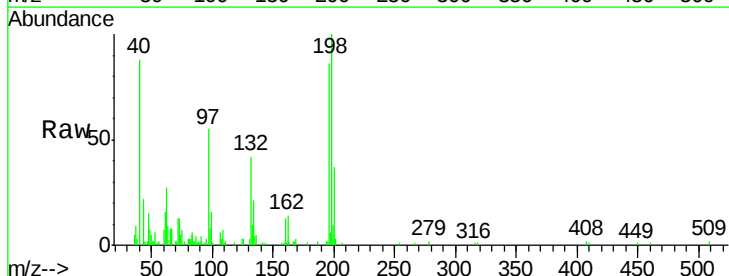
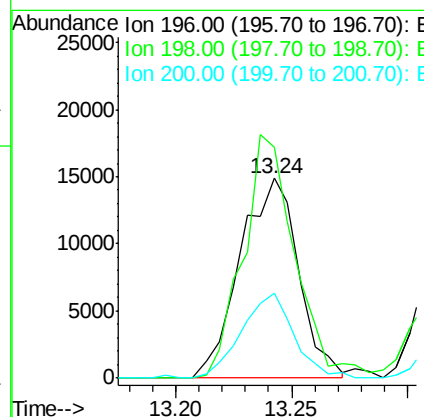
RT: 13.24 min Scan# 1771

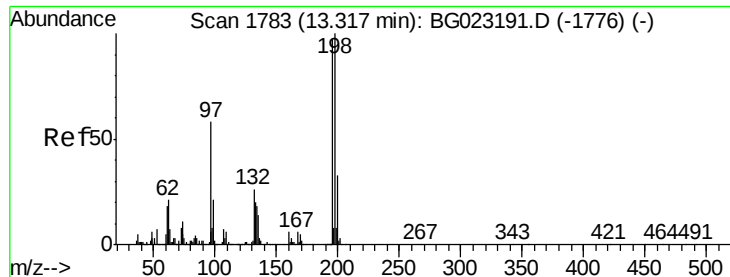
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	196	Resp:	26180
Ion Ratio	Lower	Upper	
196	100		
198	115.7	77.4	116.0
200	42.3	26.6	39.8#





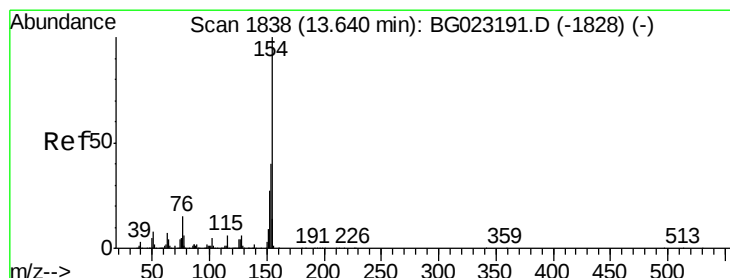
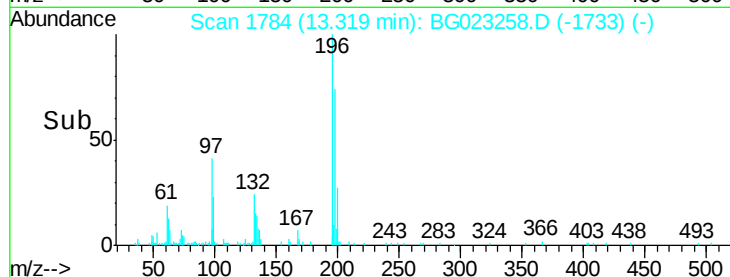
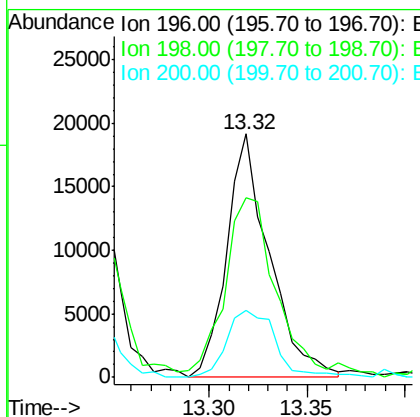
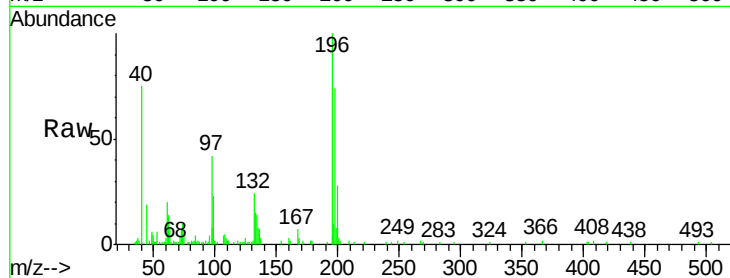
#39
 2,4,5-Trichlorophenol
 Concen: 2.49 ng/ul
 RT: 13.32 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BG023258.D
 Acq: 25 Jul 2016 19:19

Instrument :
 BNA_G
 ClientSampleId :
 MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
196	100		
198	73.7	79.8	119.8#
200	27.7	24.0	36.0

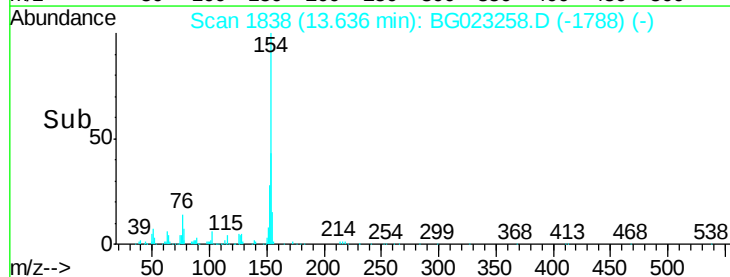
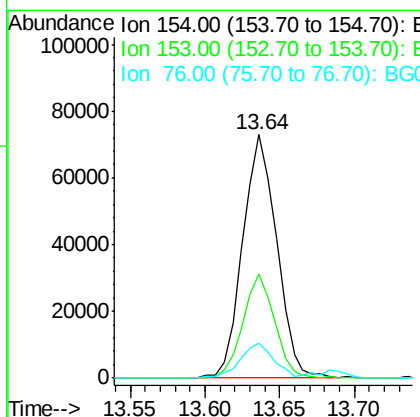
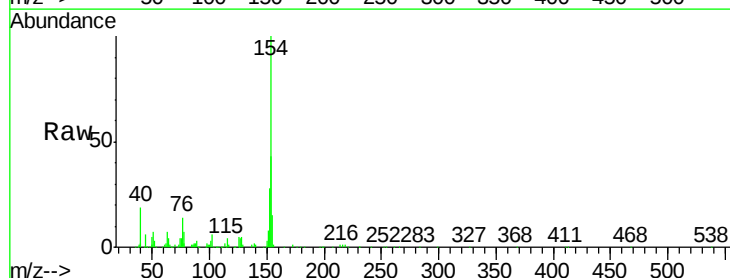
Manual Integrations

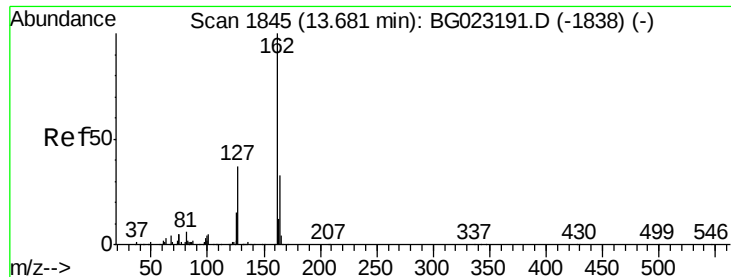
SOHIL
 7/26/2016 11:40:58 AM



#40
 1,1'-Biphenyl
 Concen: 3.13 ng/ul
 RT: 13.64 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BG023258.D
 Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	34.6	52.0
76	14.4	11.9	17.9





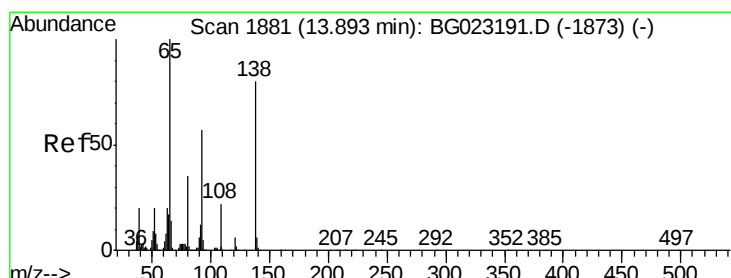
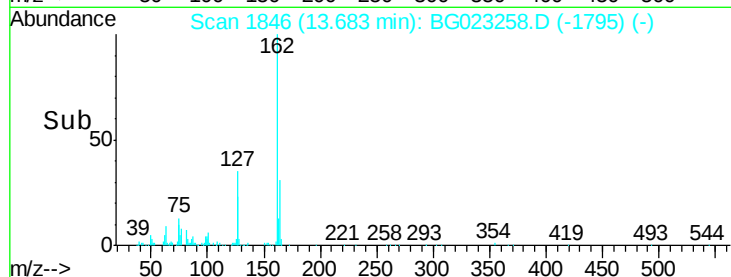
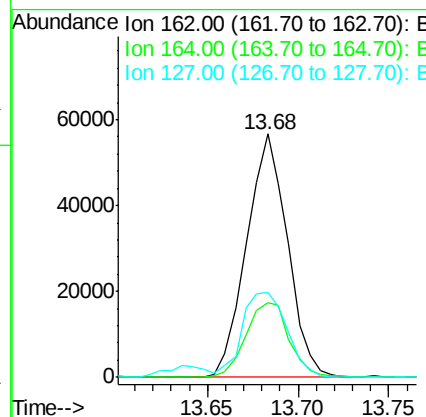
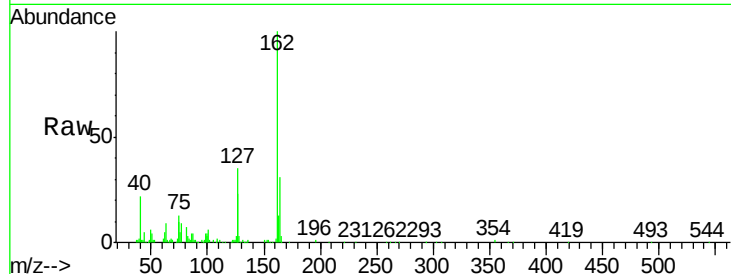
#41
2-Chloronaphthalene
Concen: 2.98 ng/ul
RT: 13.68 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
162	100		
164	30.5	25.4	38.2
127	35.1	30.2	45.4

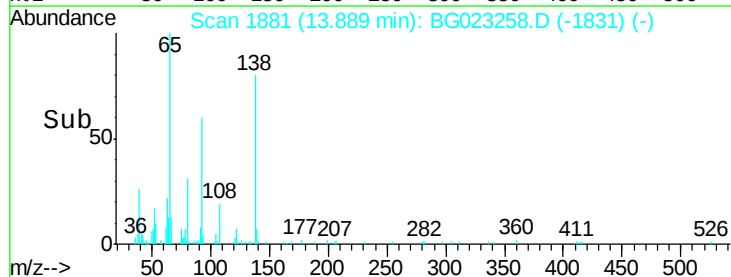
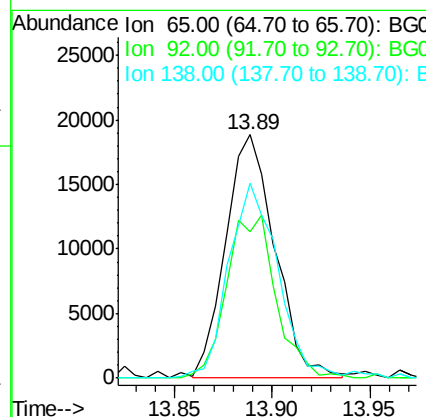
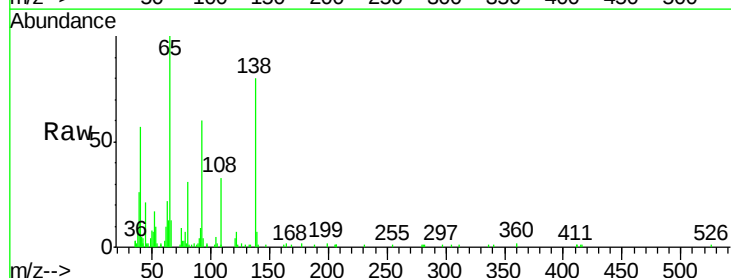
Manual Integrations

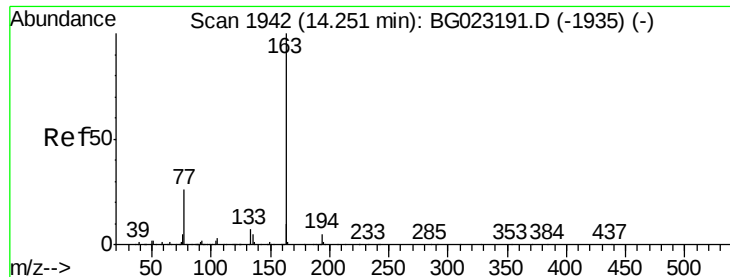
APPROVED
SOHIL
7/26/2016 11:40:58 AM



#42
2-Nitroaniline
Concen: 2.50 ng/ul
RT: 13.89 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.9	67.1	100.7#
138	80.3	109.6	164.4#





#44

Dimethylphthalate

Concen: 2.95 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

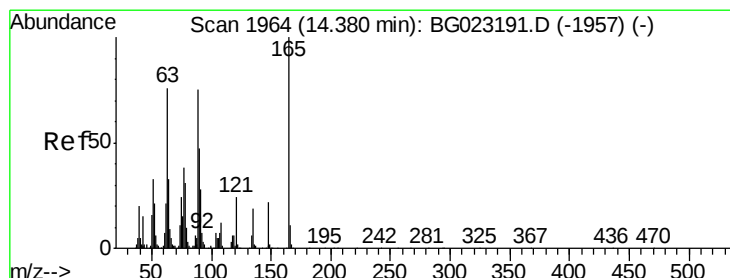
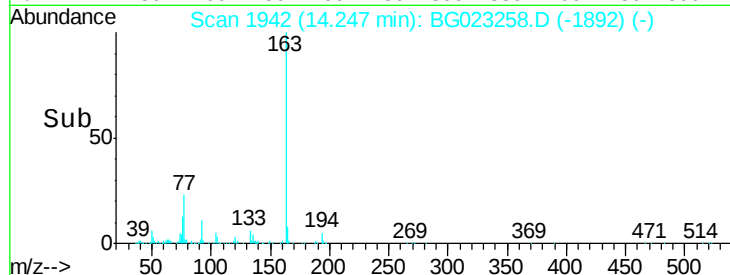
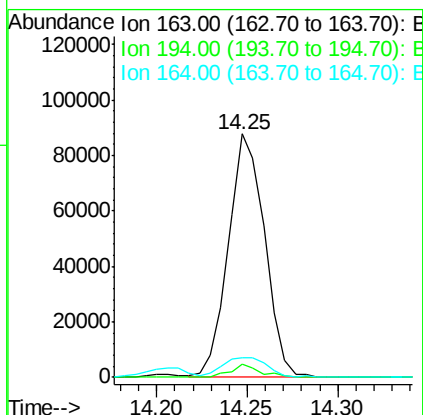
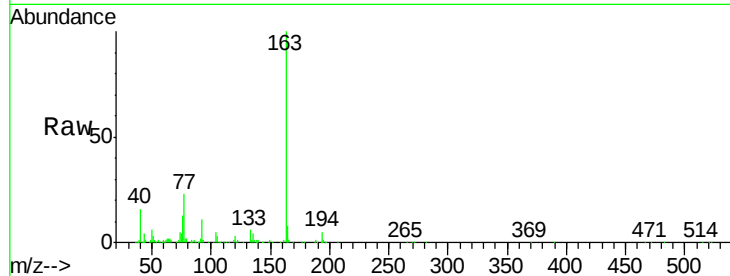
MDL-01-S-ML

Tgt Ion:	163	Resp:	122118
Ion Ratio		Lower	Upper
163	100		
194	5.3	3.4	5.2#
164	8.2	8.8	13.2#

Manual Integrations

SOHIL

7/26/2016 11:40:58 AM



#45

2,6-Dinitrotoluene

Concen: 2.60 ng/ul

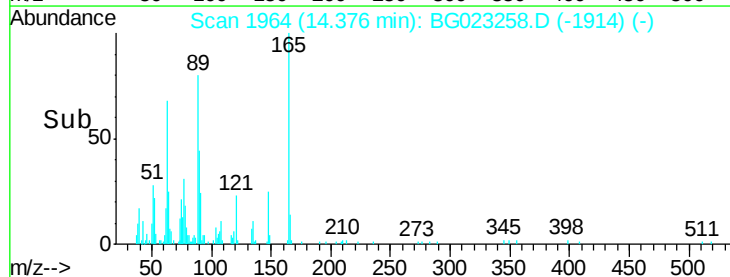
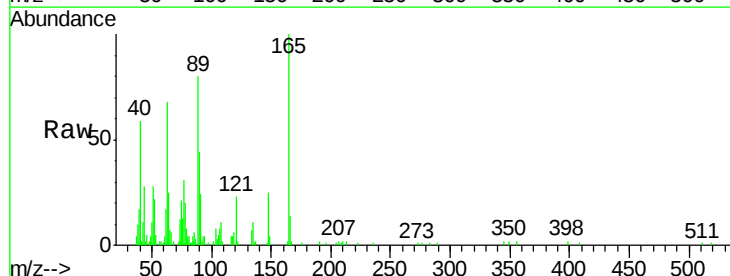
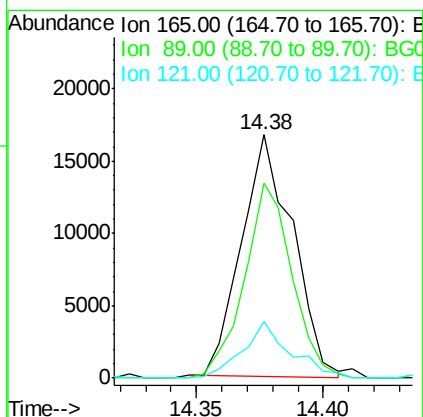
RT: 14.38 min Scan# 1964

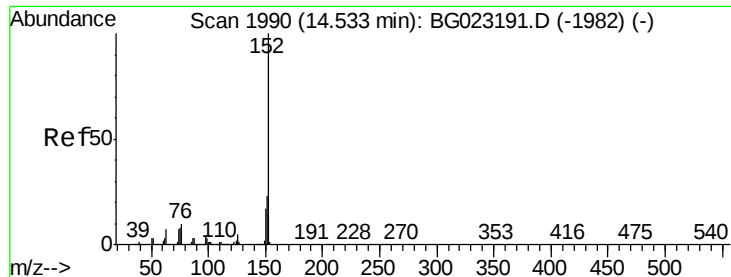
Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	165	Resp:	23365
Ion Ratio		Lower	Upper
165	100		
89	80.1	41.5	62.3#
121	23.1	17.0	25.4





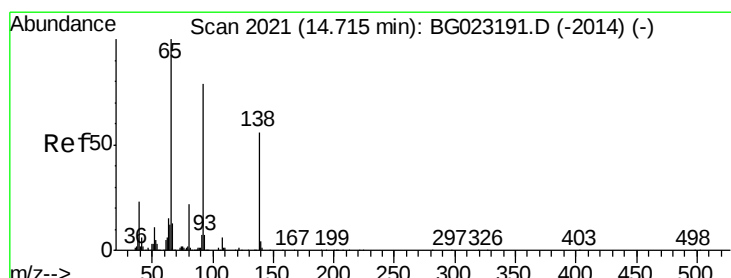
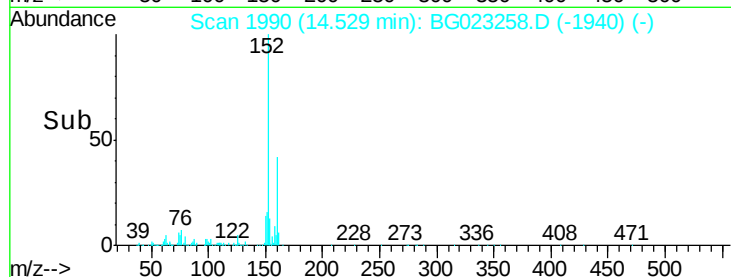
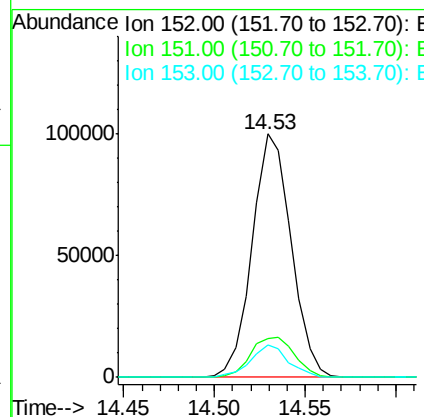
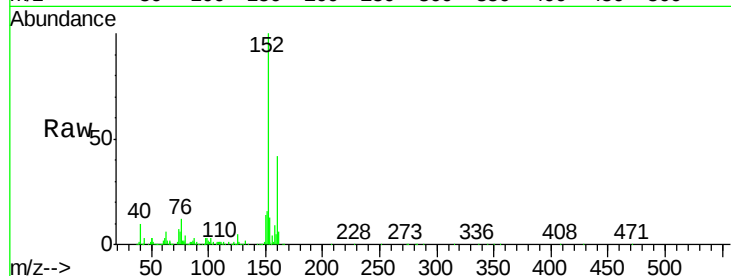
#47
Acenaphthylene
Concen: 3.20 ng/ul
RT: 14.53 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampled :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
152	100		
151	15.7	17.5	26.3#
153	13.2	11.1	16.7

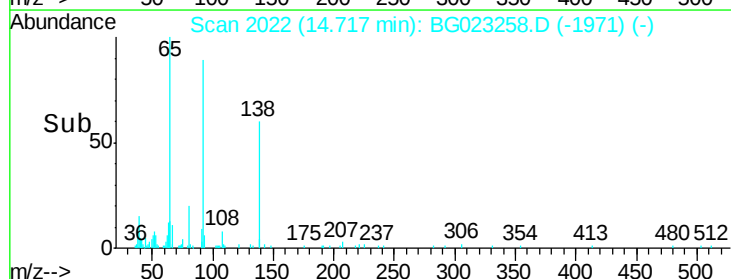
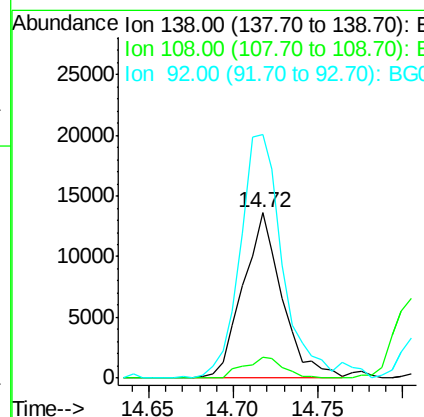
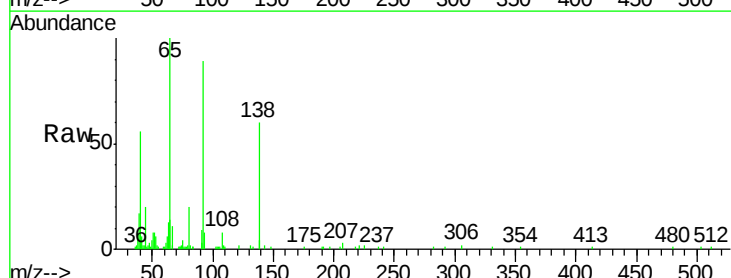
Manual Integrations

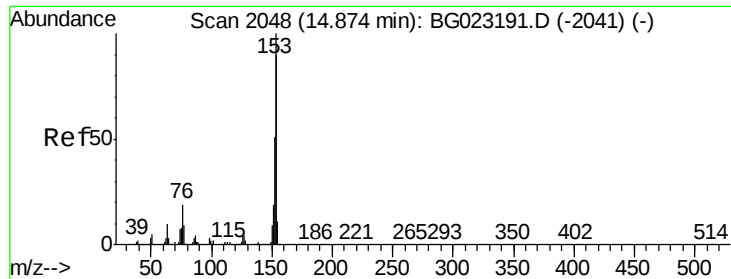
SOHIL
7/26/2016 11:40:58 AM



#48
3-Nitroaniline
Concen: 2.88 ng/ul
RT: 14.72 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.4	6.2	9.2#
92	147.4	79.3	118.9#





#49

Acenaphthene

Concen: 3.08 ng/ul

RT: 14.88 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

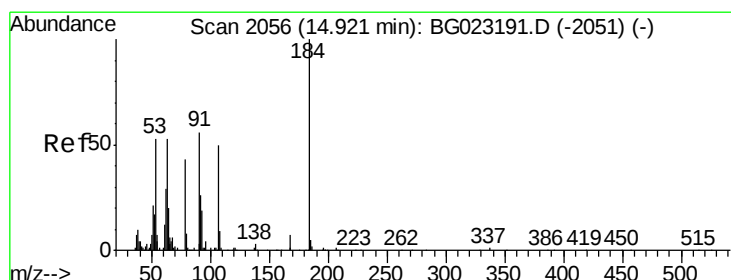
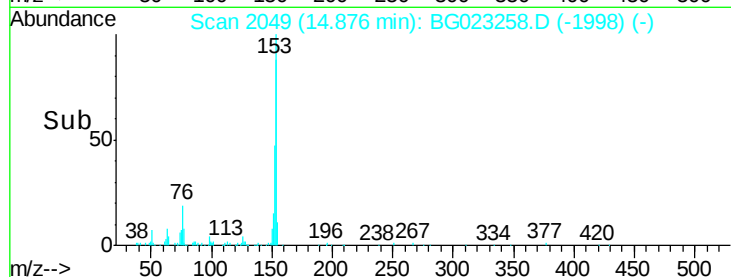
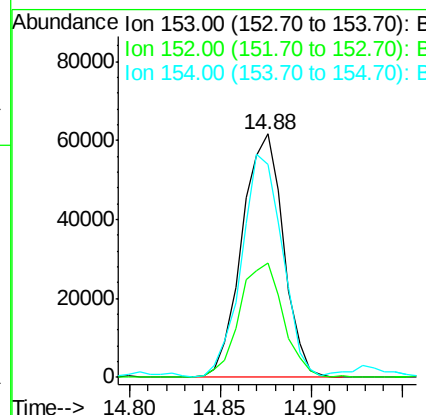
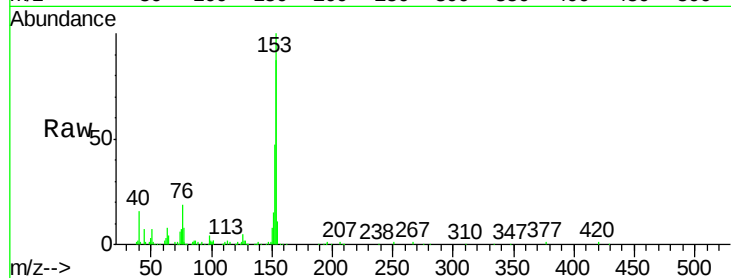
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.3	55.9
154	87.5	68.2	102.2

Manual Integrations

SOHIL

7/26/2016 11:40:58 AM



#50

2,4-Dinitrophenol

Concen: 1.46 ng/ul m

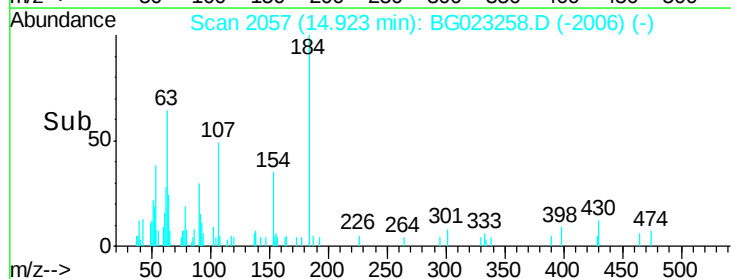
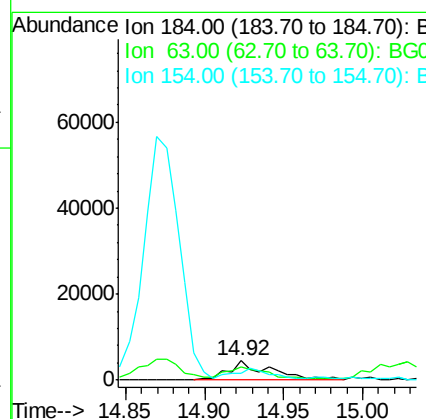
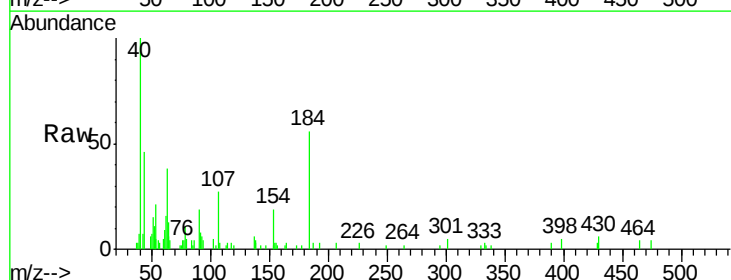
RT: 14.92 min Scan# 2057

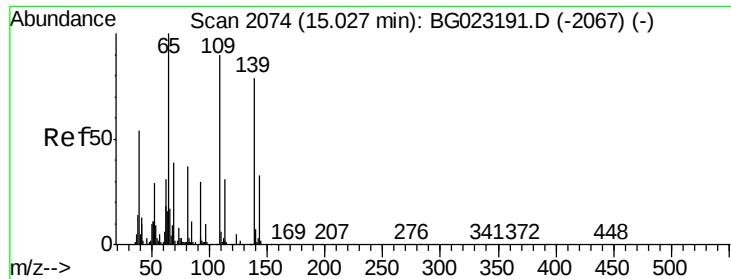
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
184	100		
63	67.4	40.5	60.7#
154	34.6	48.5	72.7#





#52

4-Nitrophenol

Concen: 2.11 ng/ul

RT: 15.02 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

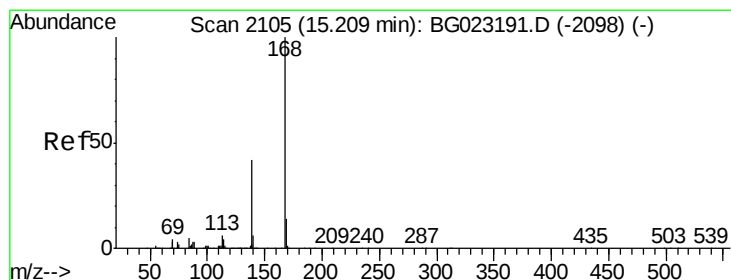
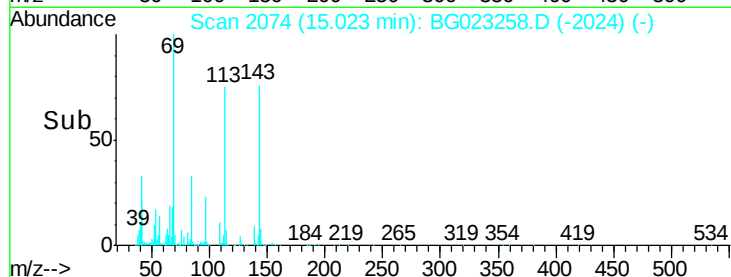
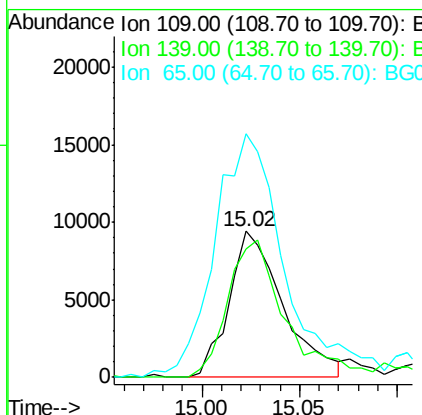
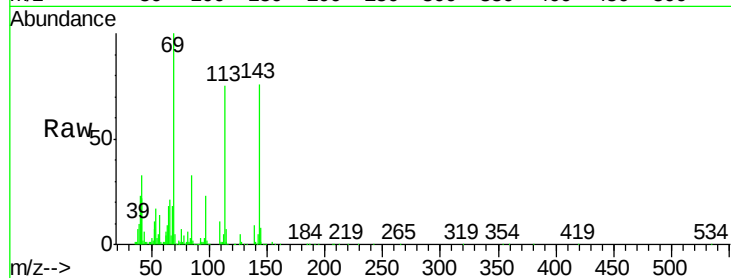
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
109	100		
139	87.6	136.1	204.1#
65	166.5	106.0	159.0#

Manual Integrations

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#53

Dibenzofuran

Concen: 3.08 ng/ul

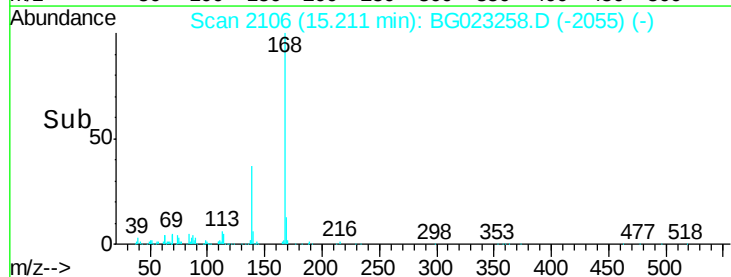
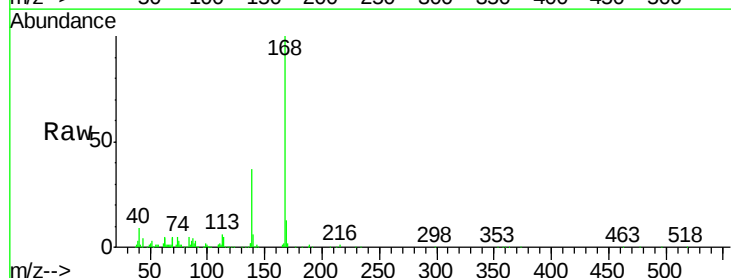
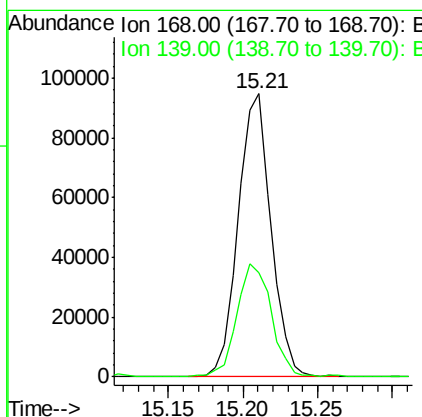
RT: 15.21 min Scan# 2106

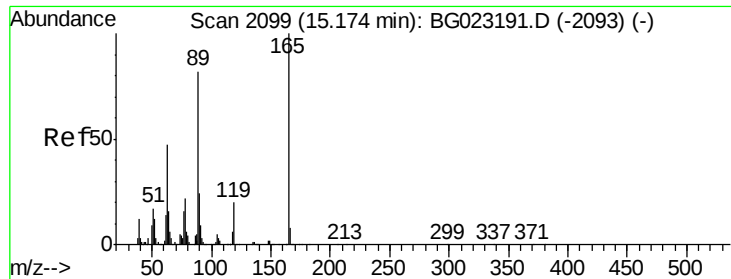
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.9	27.4	41.0





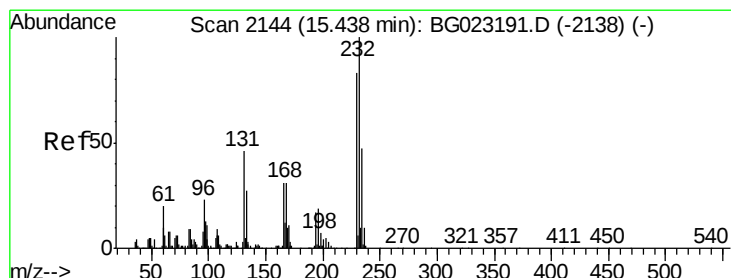
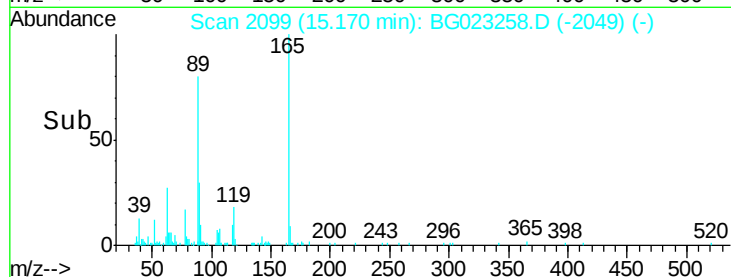
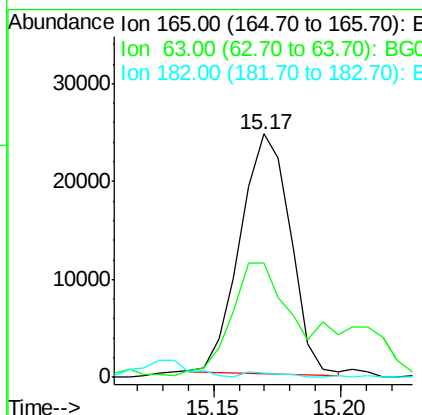
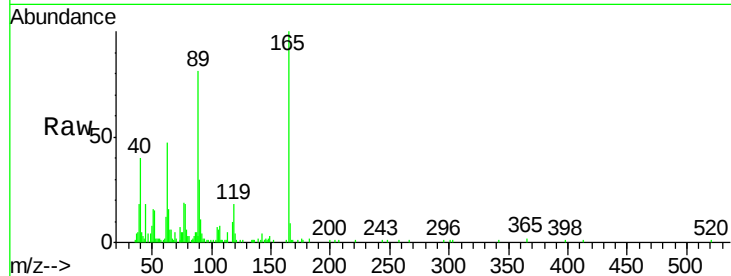
#54
2,4-Dinitrotoluene
Concen: 2.47 ng/ul
RT: 15.17 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
165	100		
63	46.8	25.7	38.5#
182	1.6	2.1	3.1#

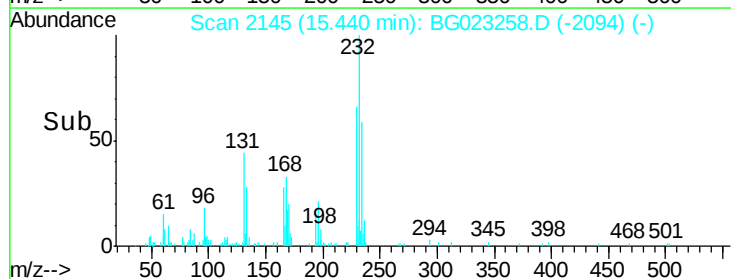
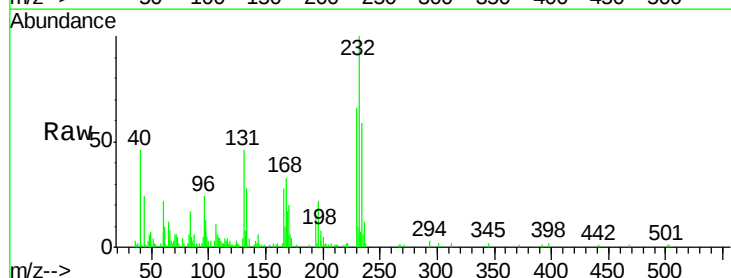
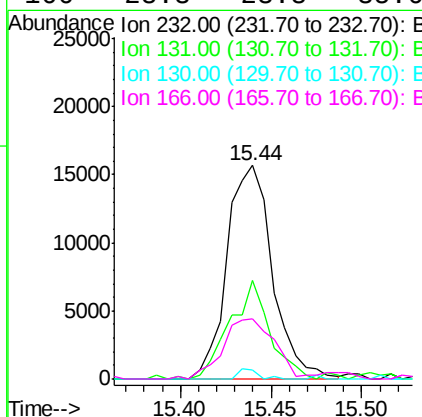
Manual Integrations

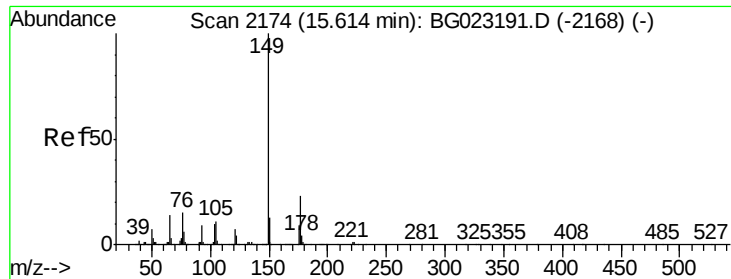
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SOHIL
7/26/2016 11:40:58 AM



#55
2,3,4,6-Tetrachlorophenol
Concen: 2.33 ng/ul
RT: 15.44 min Scan# 2145
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
232	100		
131	45.9	34.8	52.2
130	4.2	2.2	3.2#
166	28.3	23.8	35.6





#56

Diethylphthalate

Concen: 2.87 ng/ul

RT: 15.62 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

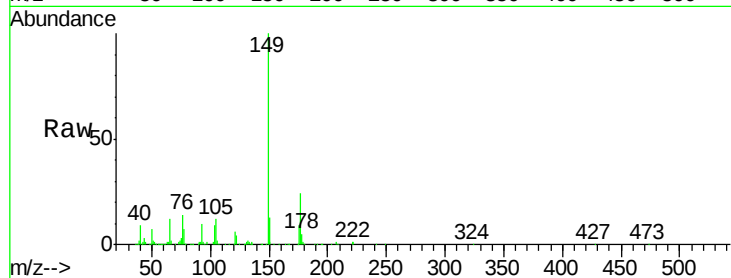
MDL-01-S-ML

Tgt Ion:	149	Resp:	126169
Ion Ratio	Lower	Upper	
149	100		
177	23.9	17.4	26.2
150	13.3	9.6	14.4

Manual Integrations

SOHIL

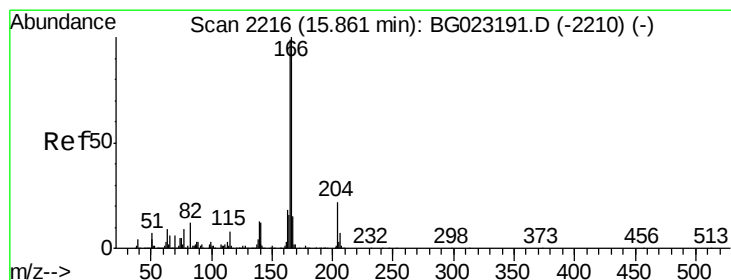
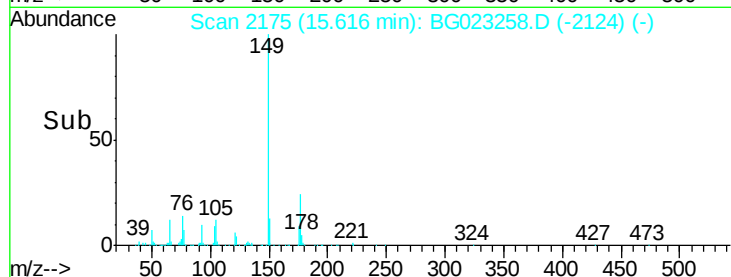
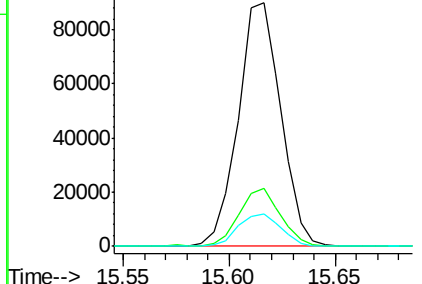
7/26/2016 11:40:58 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 3.21 ng/ul

RT: 15.86 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG023258.D

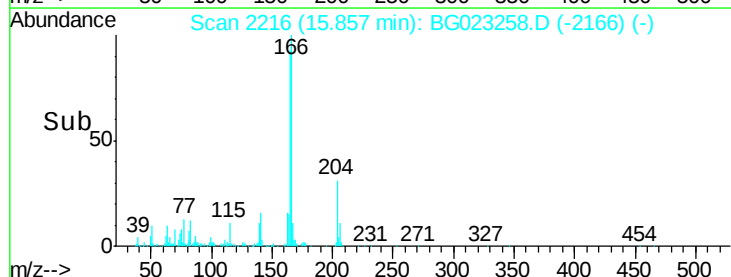
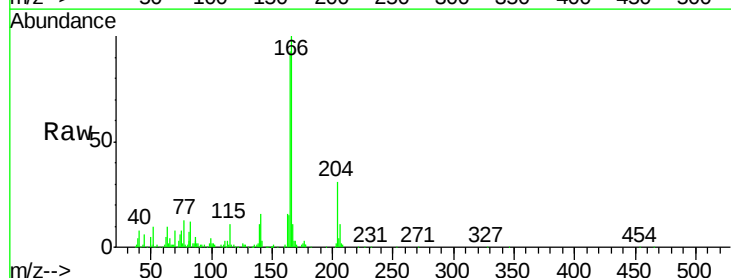
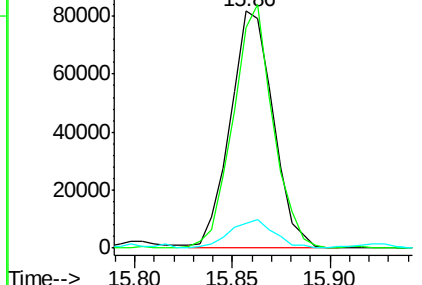
Acq: 25 Jul 2016 19:19

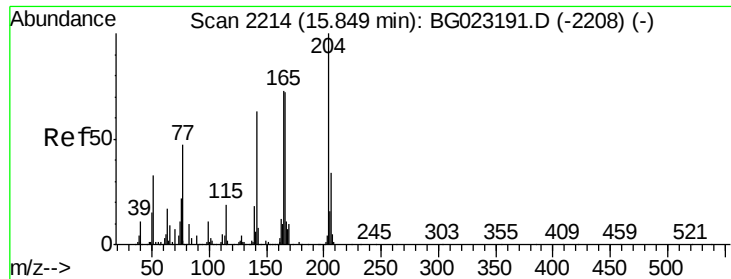
Tgt Ion:	166	Resp:	124146
Ion Ratio	Lower	Upper	
166	100		
165	93.1	80.3	120.5
167	10.7	10.3	15.5

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





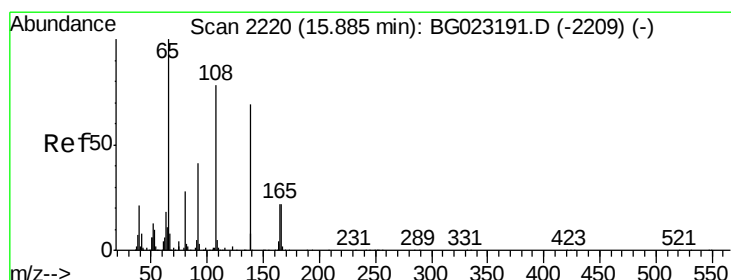
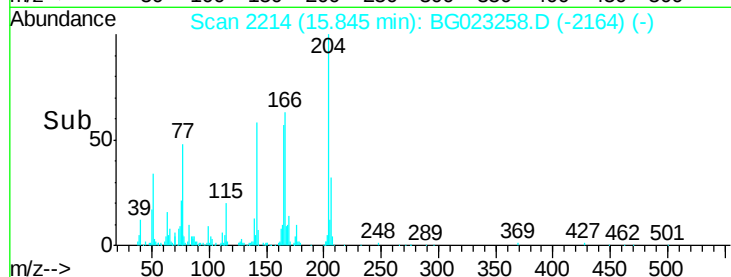
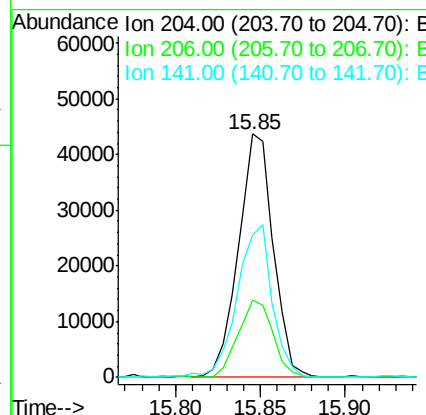
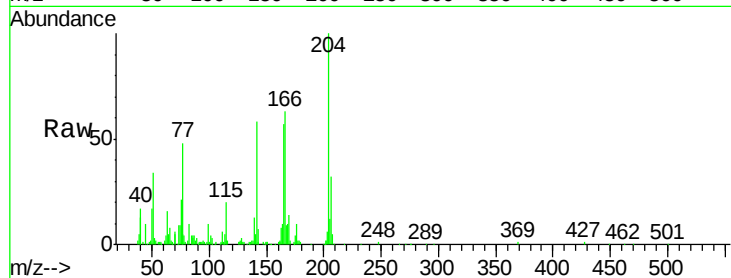
#59
4-Chlorophenyl-phenylether
Concen: 2.96 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.6	27.4	41.2
141	58.4	47.1	70.7

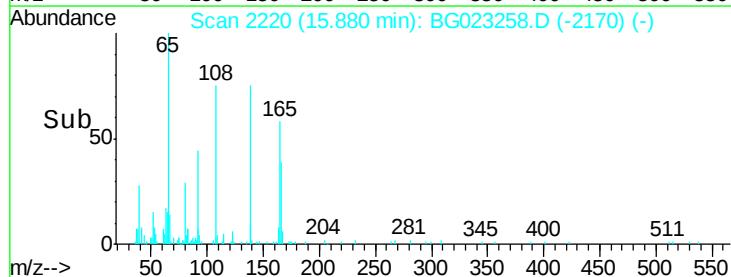
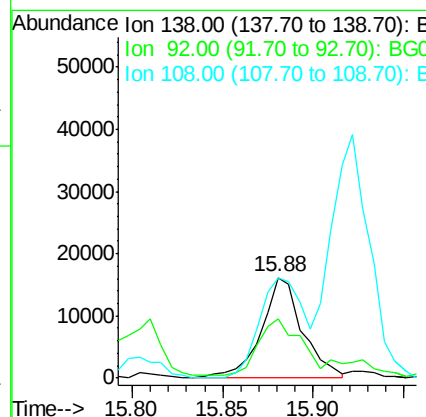
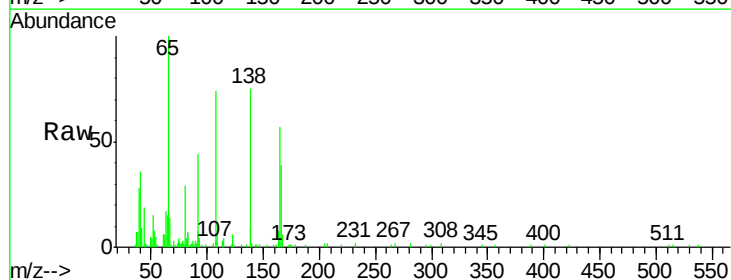
Manual Integrations

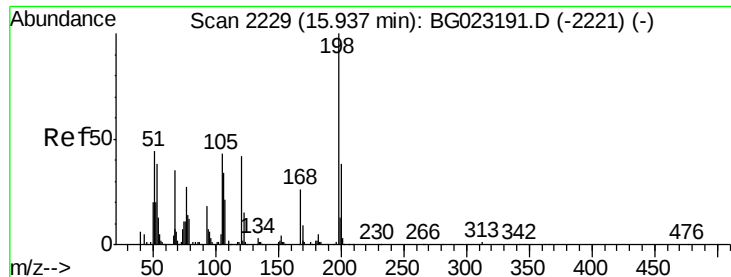
SOHIL
7/26/2016 11:40:58 AM



#60
4-Nitroaniline
Concen: 2.72 ng/ul
RT: 15.88 min Scan# 2220
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.4	39.0	58.4
108	99.0	49.2	73.8





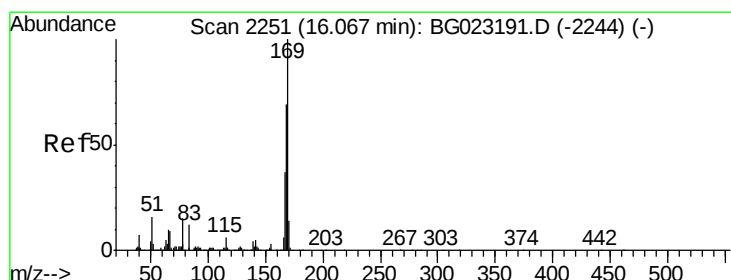
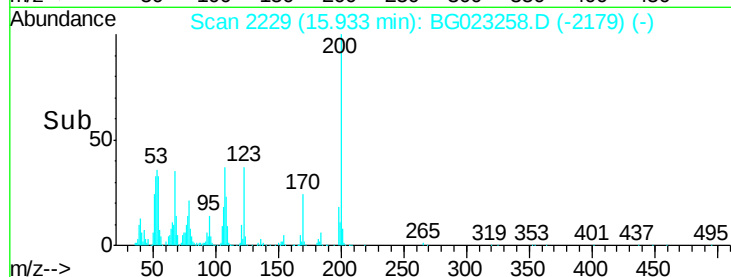
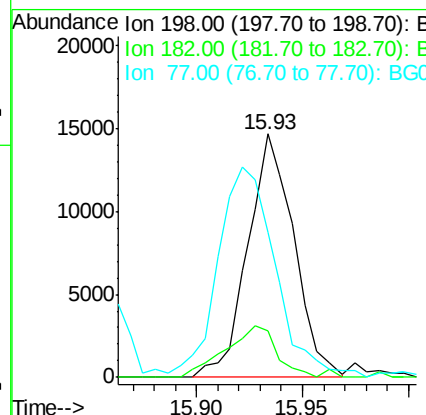
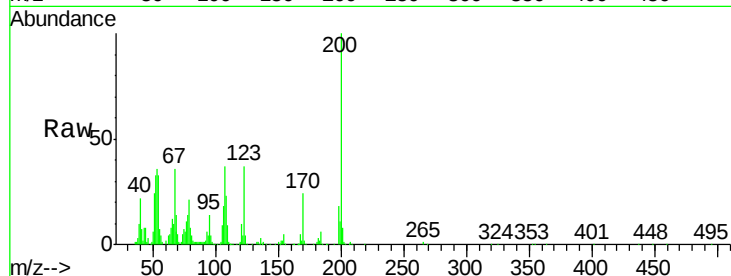
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.66 ng/ul
 RT: 15.93 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG023258.D
 Acq: 25 Jul 2016 19:19

Instrument :
 BNA_G
 ClientSampleId :
 MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
198	100		
182	19.3	4.2	6.2#
77	59.5	16.7	25.1#

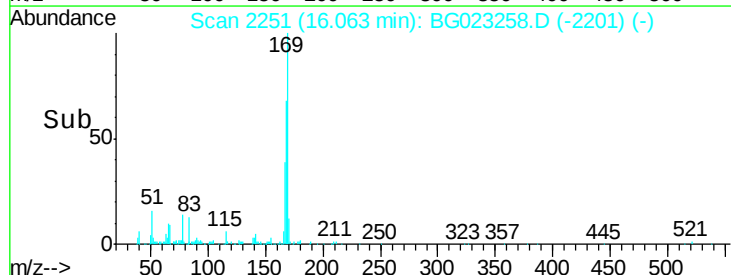
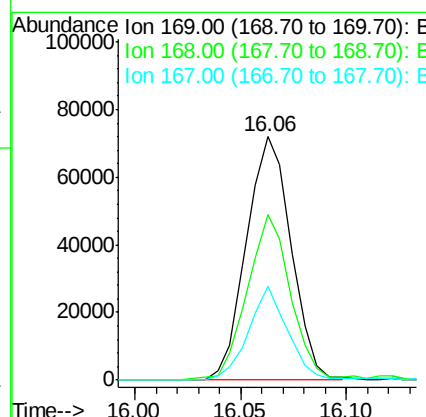
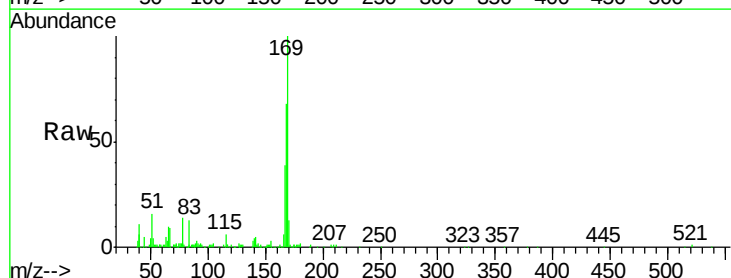
Manual Integrations

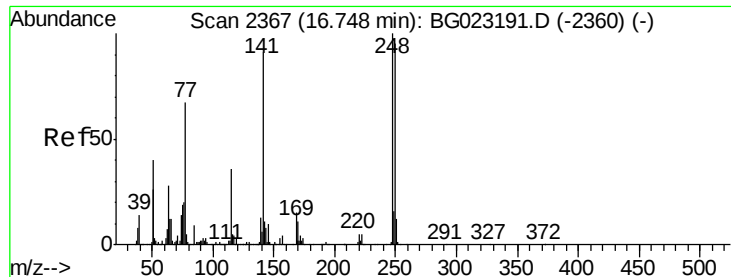
SOHIL
 7/26/2016 11:40:58 AM



#64
 N-Nitrosodiphenylamine
 Concen: 3.19 ng/ul
 RT: 16.06 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: BG023258.D
 Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.1	59.0	88.6
167	38.5	30.6	46.0





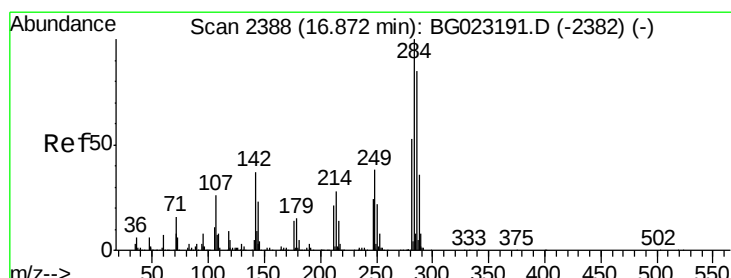
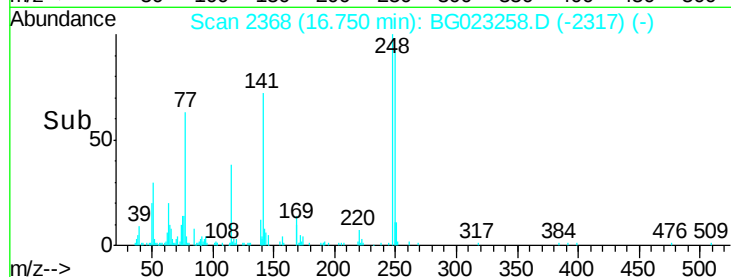
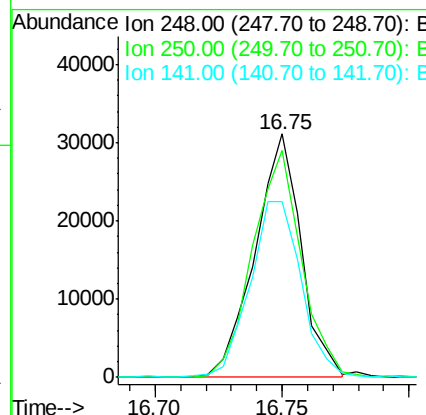
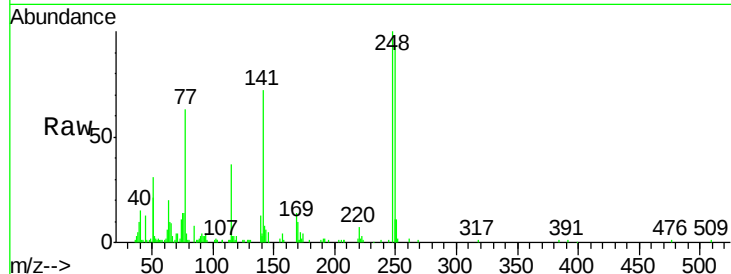
#65
4-Bromophenyl-phenylether
Concen: 2.98 ng/ul
RT: 16.75 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
248	100		
250	93.0	76.6	114.8
141	72.2	61.8	92.6

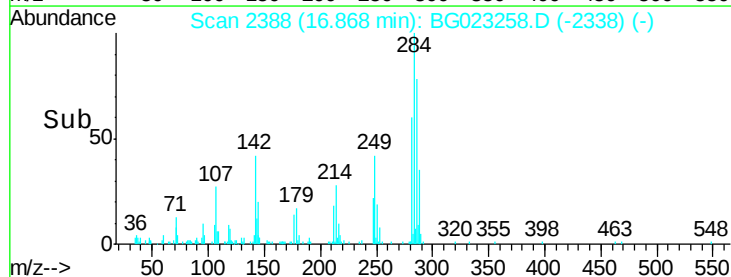
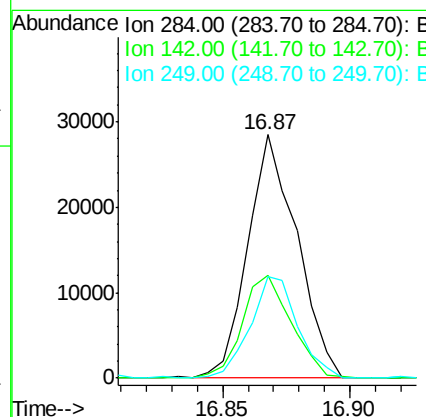
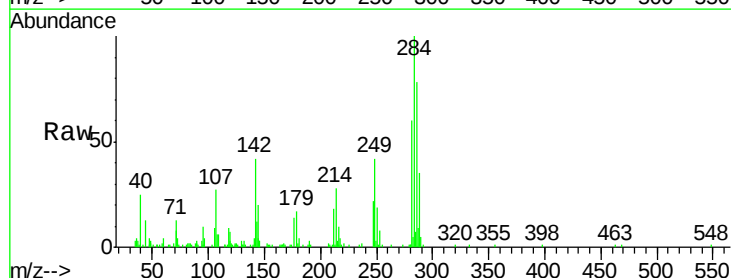
Manual Integrations

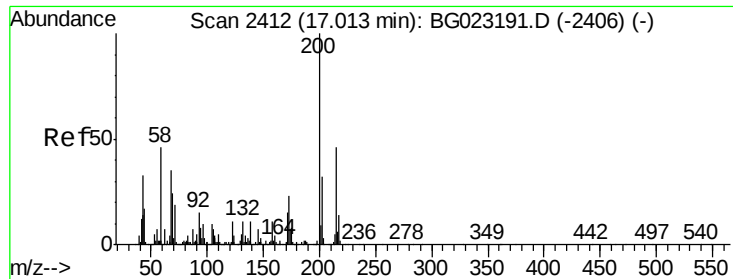
SOHIL
7/26/2016 11:40:58 AM



#66
Hexachlorobenzene
Concen: 2.84 ng/ul
RT: 16.87 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.5	27.8	41.8
249	41.6	24.4	36.6





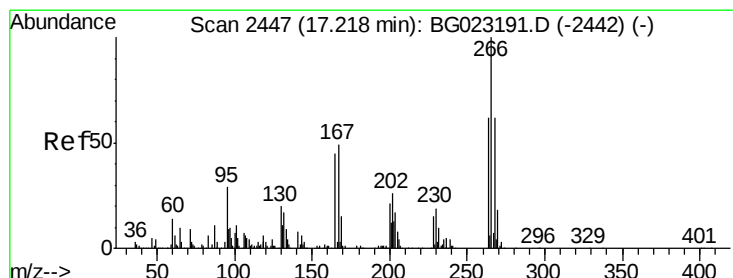
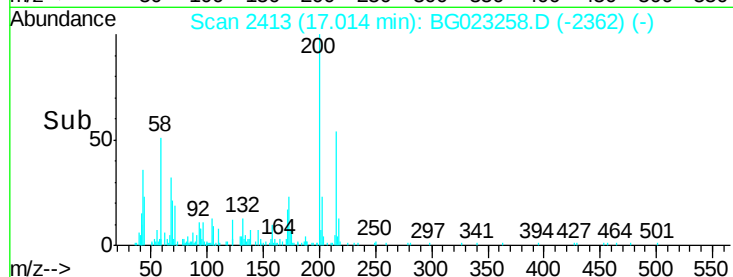
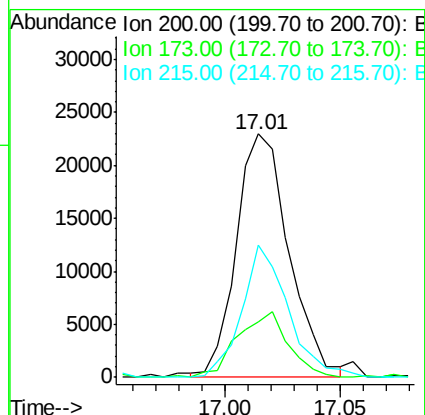
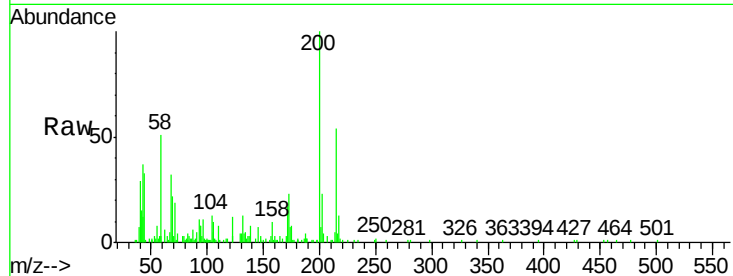
#67
Atrazine
Concen: 2.57 ng/ul
RT: 17.01 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
200	100		
173	23.0	21.0	31.6
215	54.3	37.9	56.9

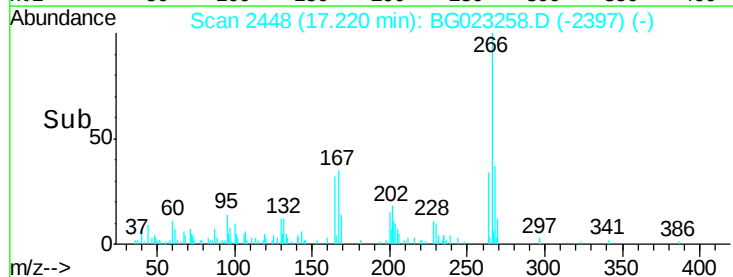
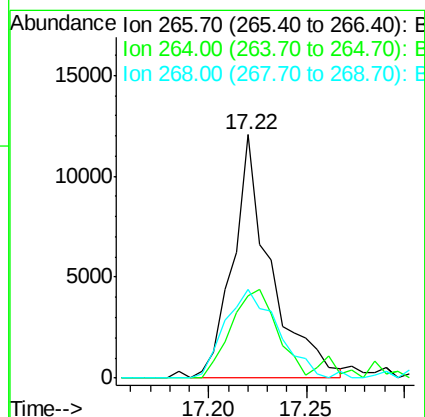
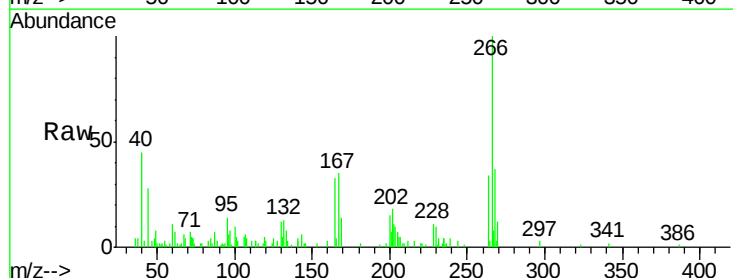
Manual Integrations

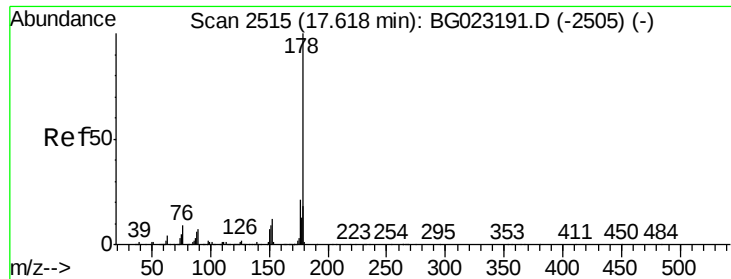
SOHIL
7/26/2016 11:40:58 AM



#68
Pentachlorophenol
Concen: 1.92 ng/ul
RT: 17.22 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
266	100		
264	34.0	54.7	82.1#
268	36.5	57.8	86.8#





#69

Phenanthrene

Concen: 3.38 ng/ul

RT: 17.61 min Scan# 2515

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

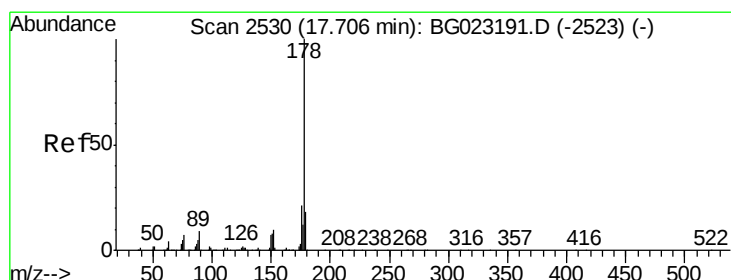
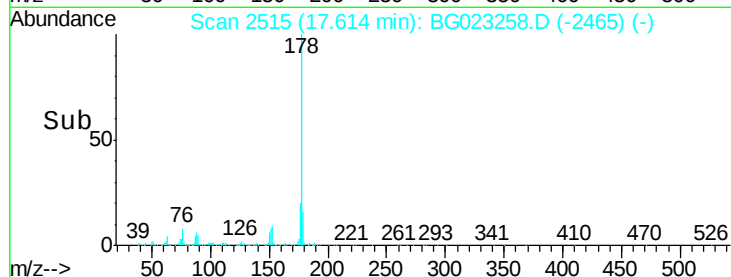
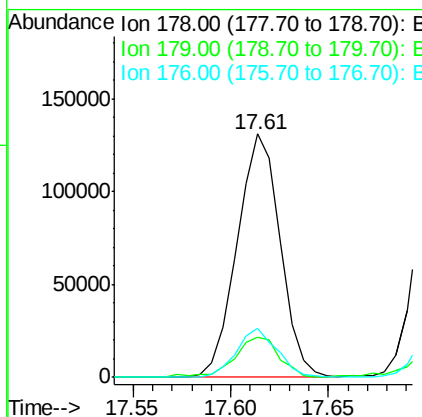
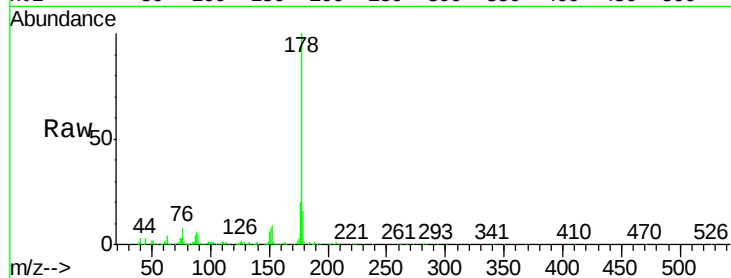
MDL-01-S-ML

Tgt Ion:	178	Resp:	200280
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.9	19.3
176	20.1	15.8	23.8

Manual Integrations

SOHIL

7/26/2016 11:40:58 AM



#71

Anthracene

Concen: 3.26 ng/ul

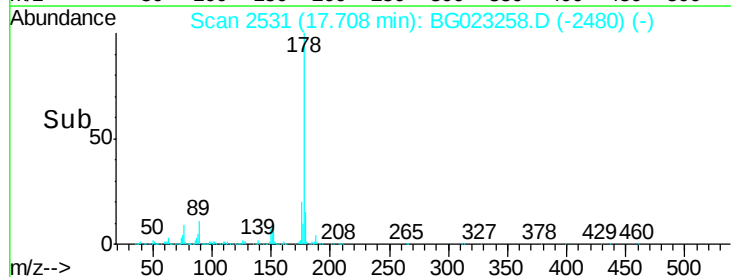
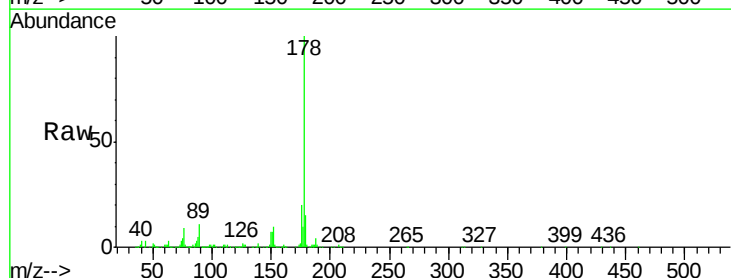
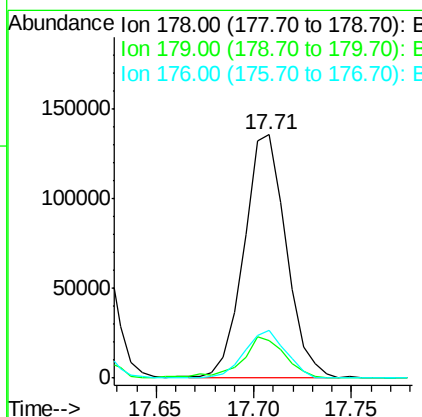
RT: 17.71 min Scan# 2531

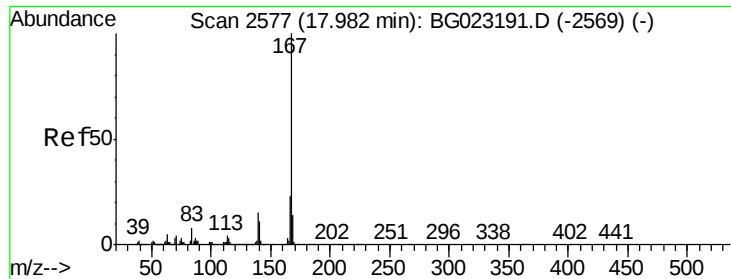
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	178	Resp:	202357
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.3	18.5
176	19.6	16.3	24.5





#72

Carbazole

Concen: 3.50 ng/ul

RT: 17.98 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

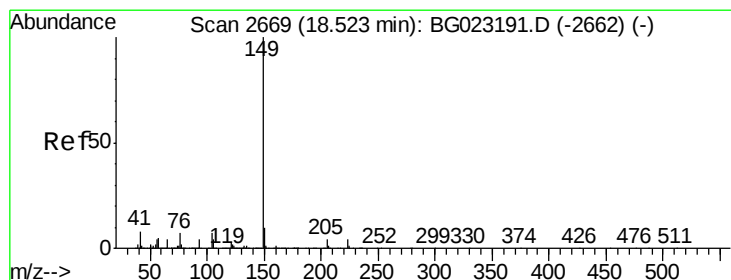
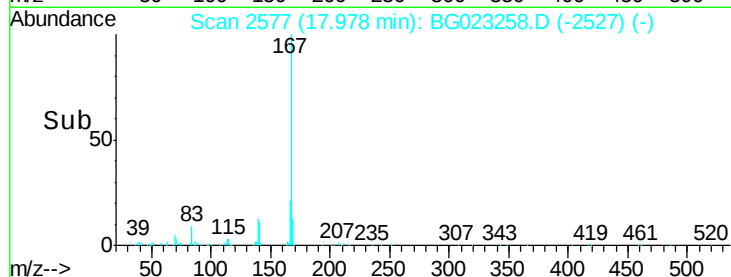
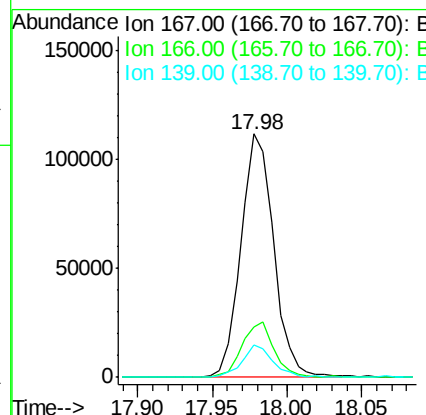
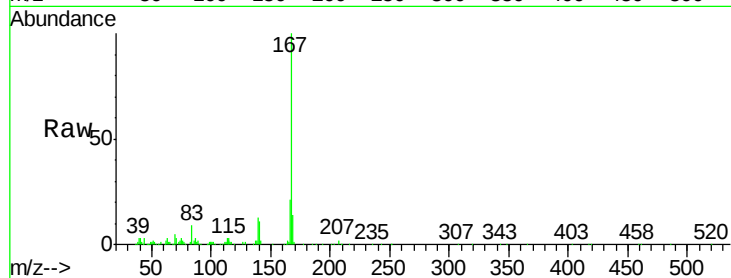
MDL-01-S-ML

Tgt Ion:	167	Resp:	171007
Ion Ratio		Lower	Upper
167	100		
166	20.9	19.2	28.8
139	13.3	10.2	15.4

Manual Integrations

SOHIL

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#73

Di-n-butylphthalate

Concen: 2.98 ng/ul

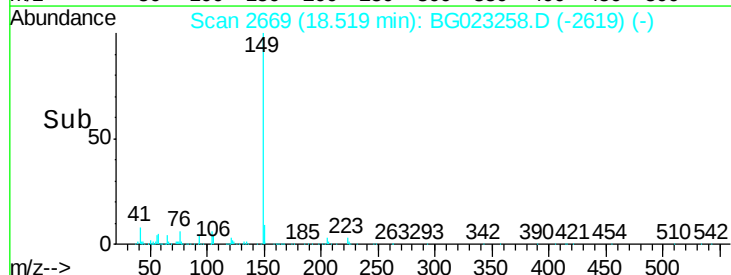
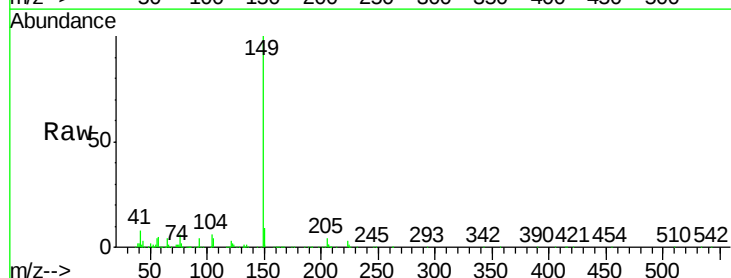
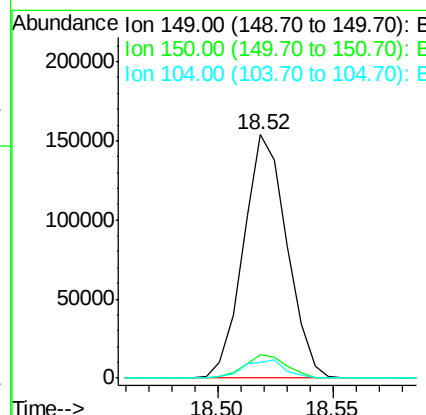
RT: 18.52 min Scan# 2669

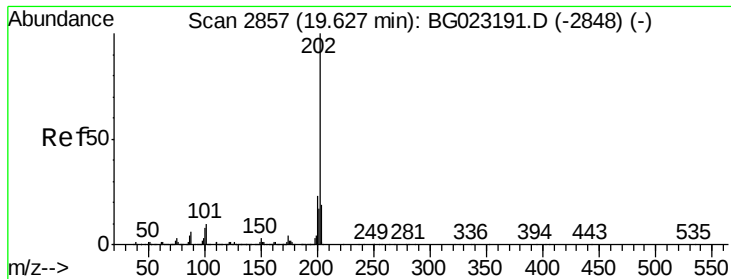
Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	149	Resp:	201710
Ion Ratio		Lower	Upper
149	100		
150	9.4	7.1	10.7
104	6.3	3.3	4.9





#74

Fluoranthene

Concen: 3.75 ng/ul

RT: 19.62 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

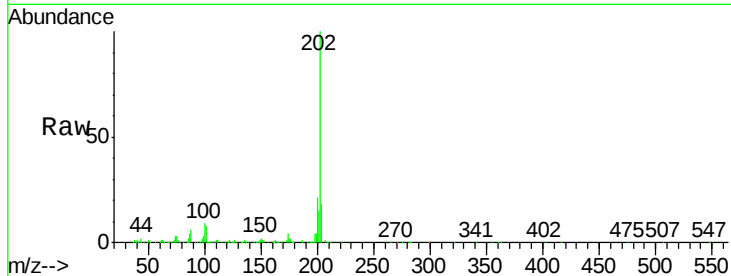
MDL-01-S-ML

Tgt Ion:	202	Resp:	232871
Ion Ratio	Lower	Upper	
202	100		
101	8.4	10.6	16.0#
100	9.2	8.7	13.1

Manual Integrations

SOHIL

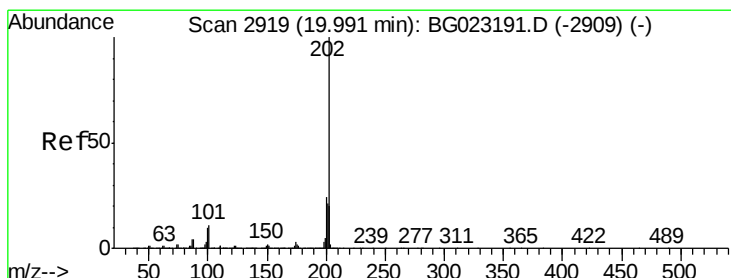
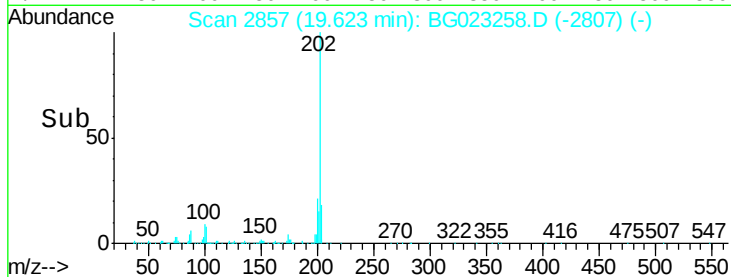
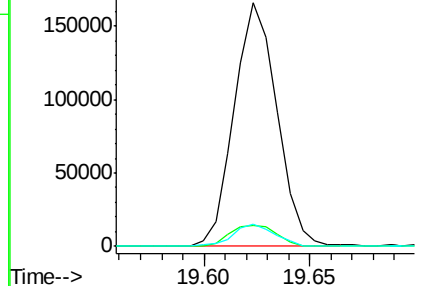
7/26/2016 11:40:58 AM



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



#77

Pyrene

Concen: 3.54 ng/ul

RT: 19.99 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BG023258.D

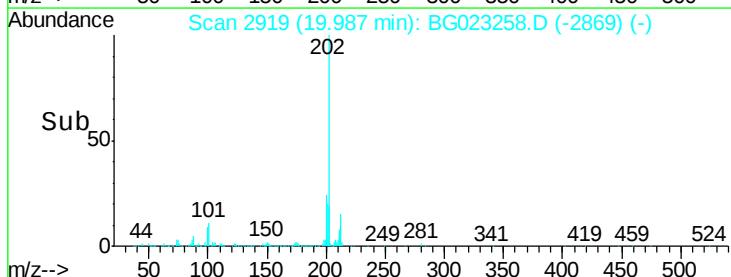
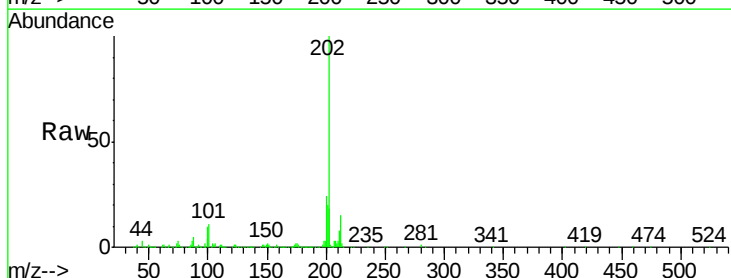
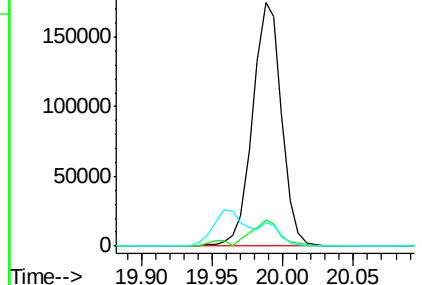
Acq: 25 Jul 2016 19:19

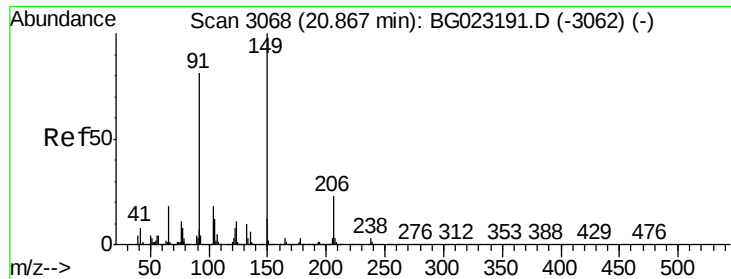
Tgt Ion:	202	Resp:	252458
Ion Ratio	Lower	Upper	
202	100		
101	10.8	12.5	18.7#
100	9.5	10.2	15.4#

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





#78

Butylbenzylphthalate

Concen: 2.75 ng/ul

RT: 20.86 min Scan# 3068

Delta R.T. -0.00 min

Lab File: BG023258.D

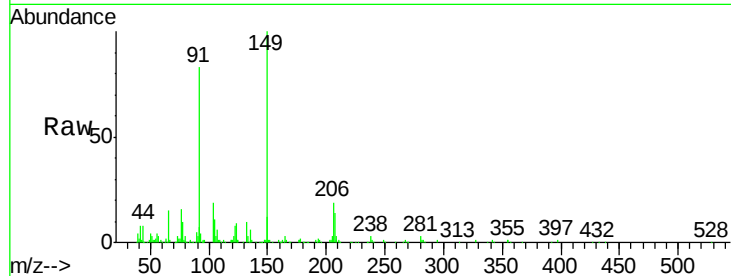
Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

MDL-01-S-ML

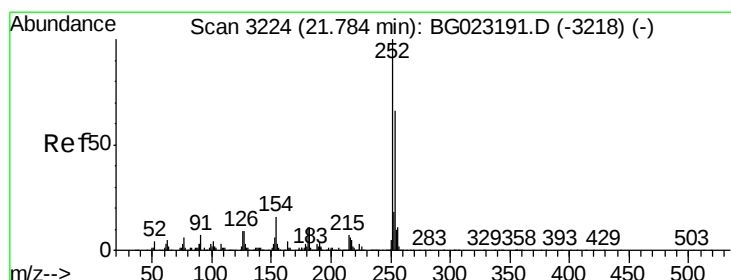
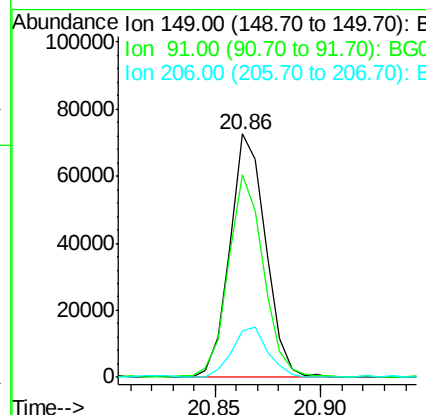
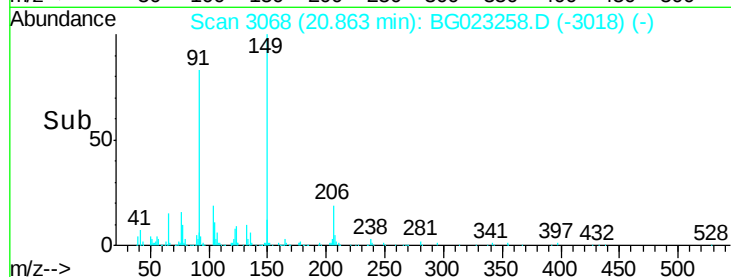


Tgt Ion:	149	Resp:	85128
Ion Ratio	Lower	Upper	
149	100		
91	83.1	54.2	81.4#
206	19.3	14.1	21.1

Manual Integrations

SOHIL

7/26/2016 11:40:58 AM



#79

3,3'-Dichlorobenzidine

Concen: 2.47 ng/ul

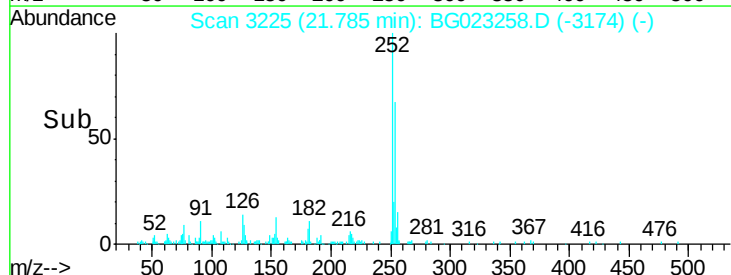
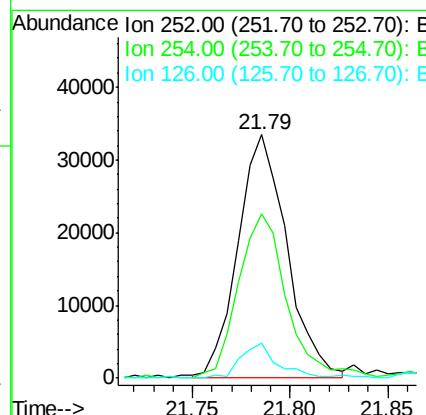
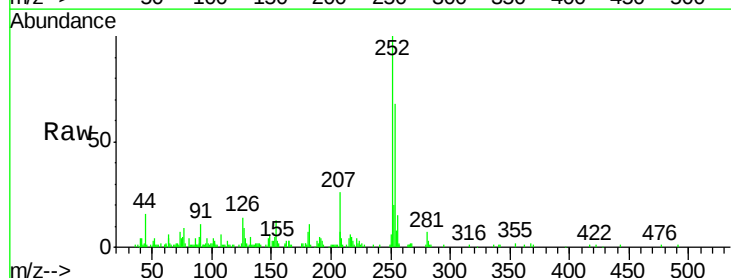
RT: 21.79 min Scan# 3225

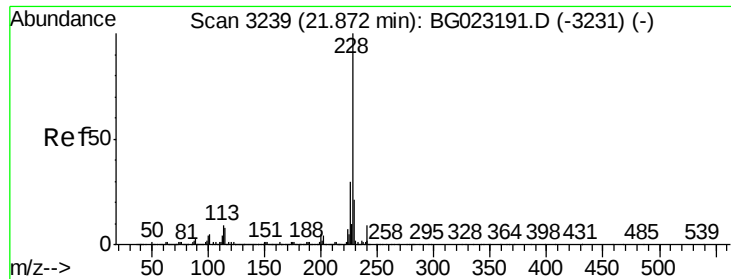
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:	252	Resp:	57811
Ion Ratio	Lower	Upper	
252	100		
254	67.5	51.4	77.2
126	14.3	10.7	16.1





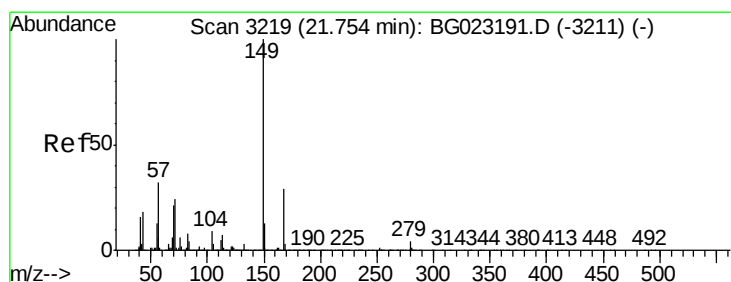
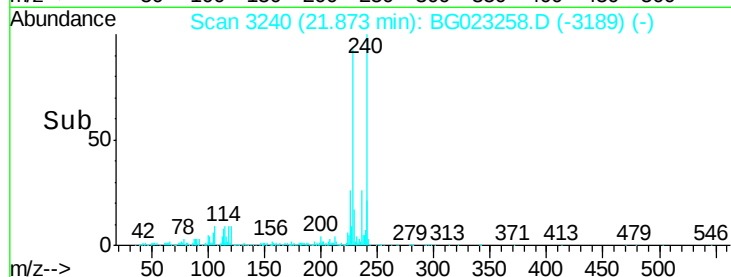
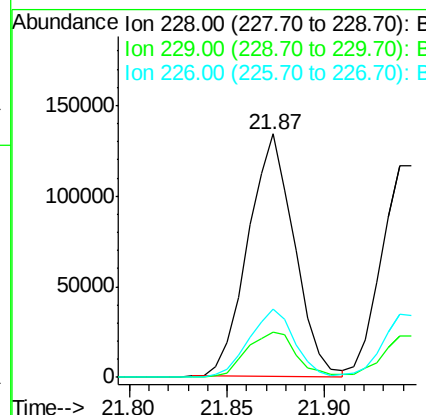
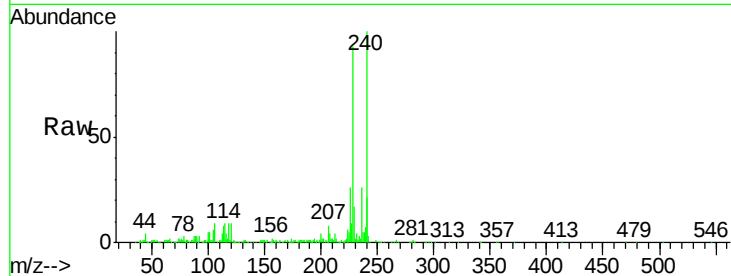
#80
Benzo(a)anthracene
Concen: 3.15 ng/ul
RT: 21.87 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.6	15.4	23.2
226	28.0	22.8	34.2

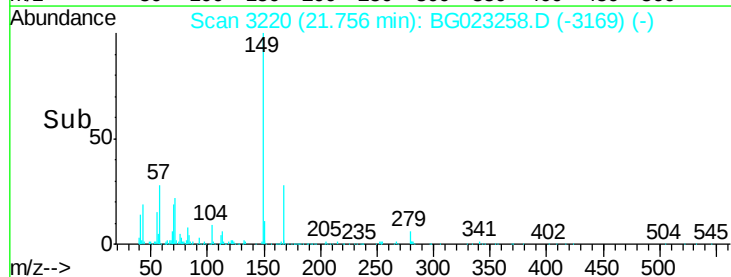
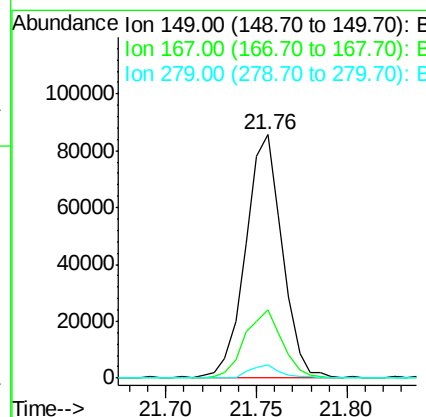
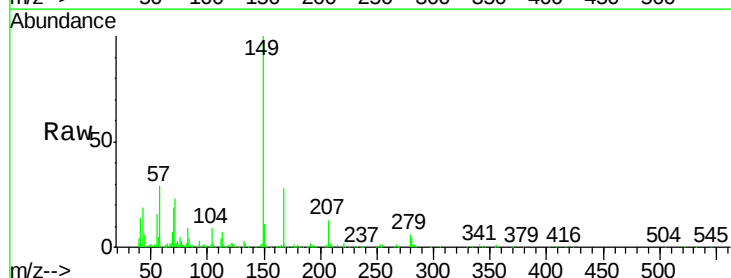
Manual Integrations

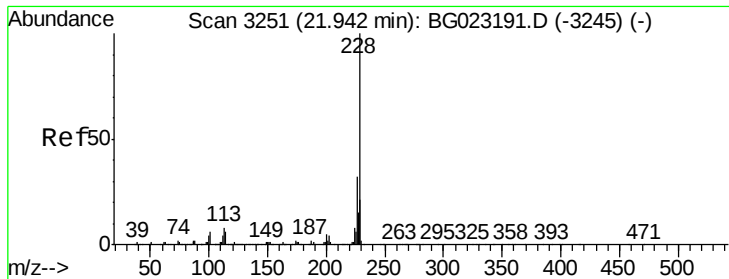
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7/26/2016 11:40:58 AM



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.83 ng/ul
RT: 21.76 min Scan# 3220
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.9	32.9
279	5.6	2.9	4.3#





#82

Chrysene

Concen: 3.27 ng/ul

RT: 21.94 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BG023258.D

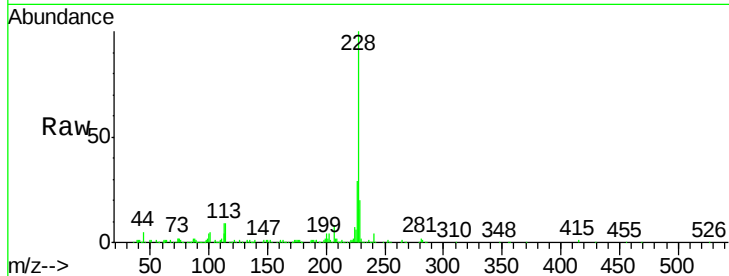
Acq: 25 Jul 2016 19:19

Instrument :

BNA_G

ClientSampleId :

MDL-01-S-ML

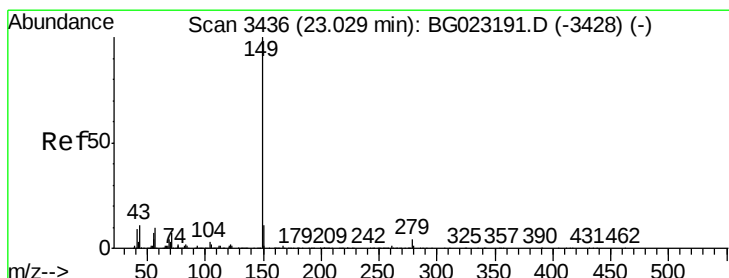
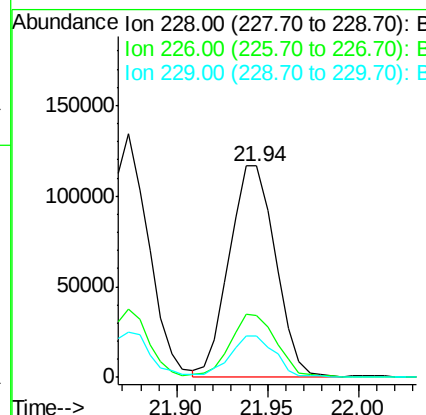
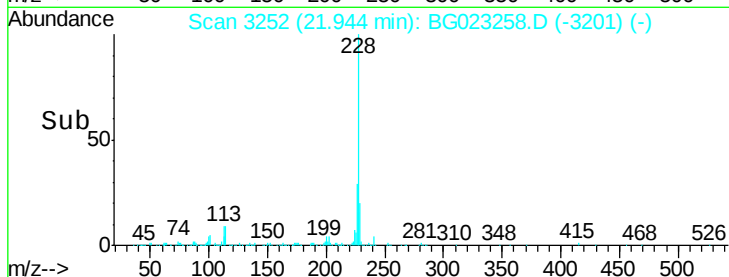


Tgt Ion:	228	Resp:	206951
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.2	36.4
229	19.6	15.0	22.6

Manual Integrations

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#84

Di-n-octyl phthalate

Concen: 3.19 ng/ul

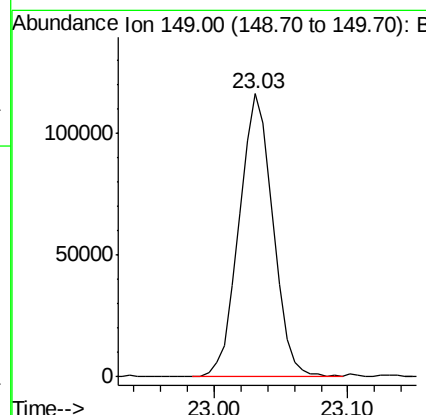
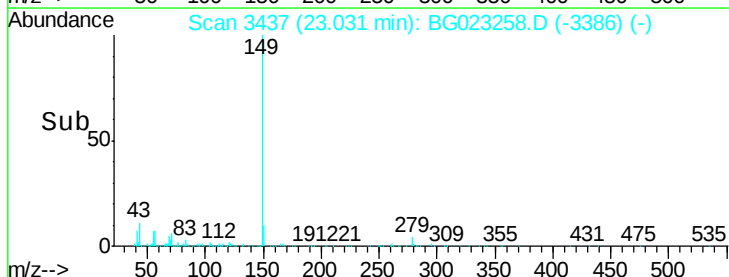
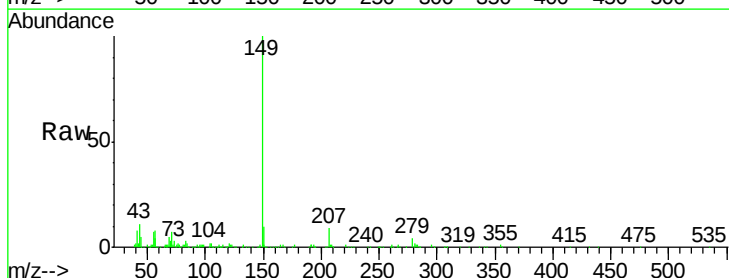
RT: 23.03 min Scan# 3437

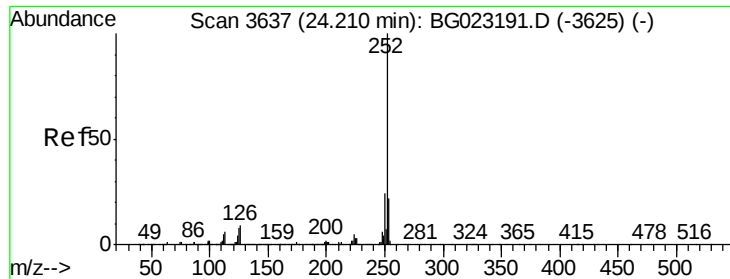
Delta R.T. 0.00 min

Lab File: BG023258.D

Acq: 25 Jul 2016 19:19

Tgt Ion:149 Resp: 203274





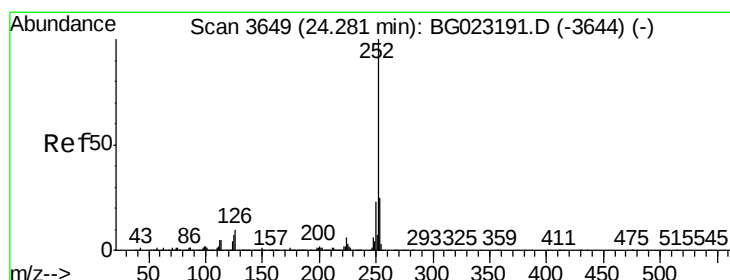
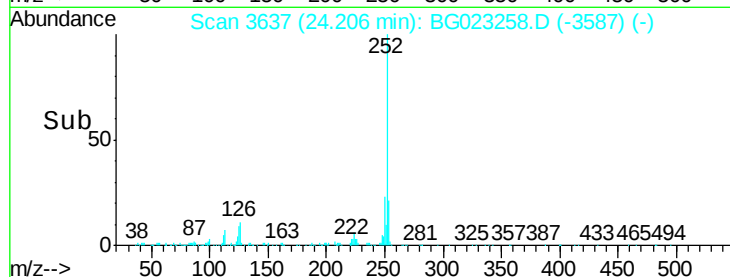
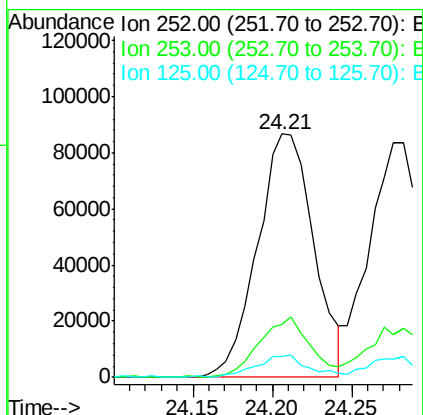
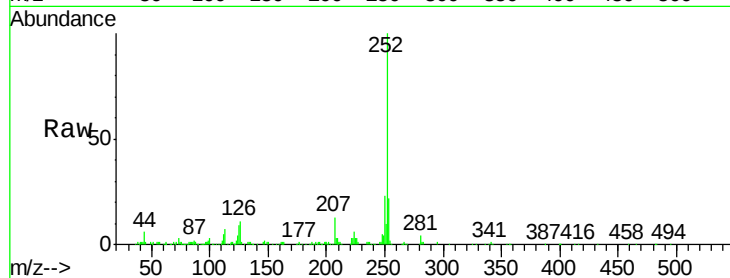
#85
Benzo(b)fluoranthene
Concen: 3.06 ng/ul
RT: 24.21 min Scan# 3637
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	8.7	10.8	16.2

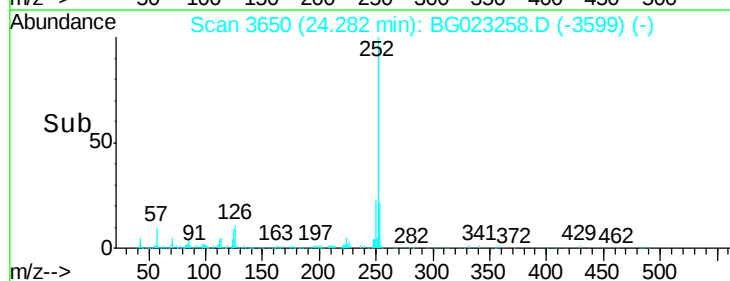
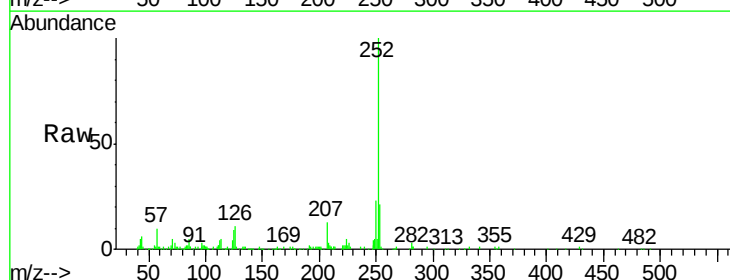
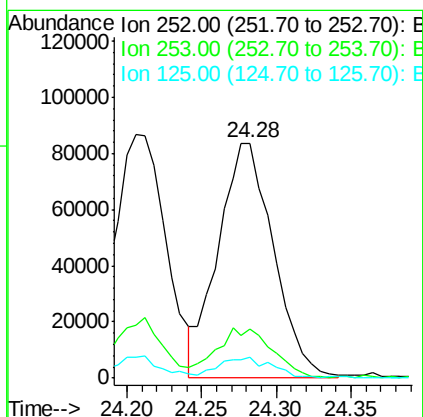
Manual Integrations

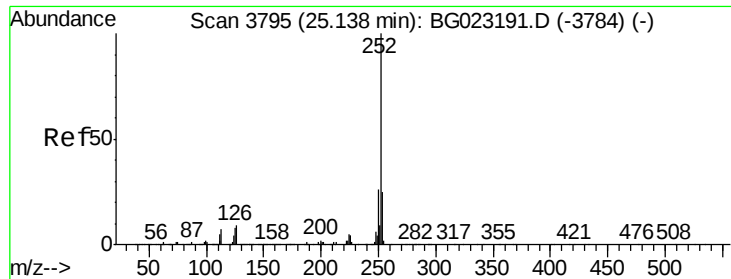
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#86
Benzo(k)fluoranthene
Concen: 3.25 ng/ul
RT: 24.28 min Scan# 3650
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	15.8	23.6
125	8.8	10.6	16.0





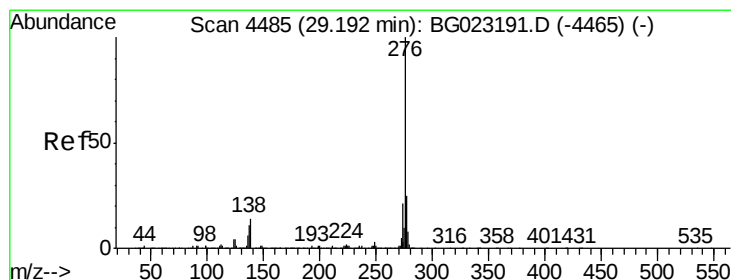
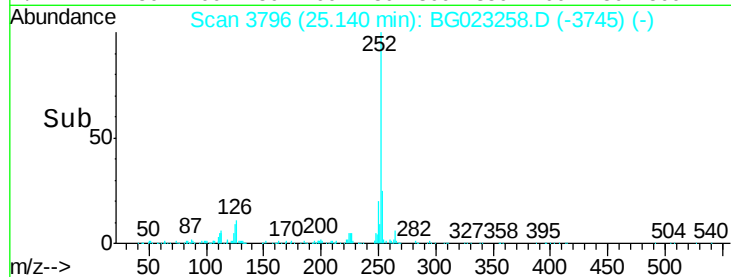
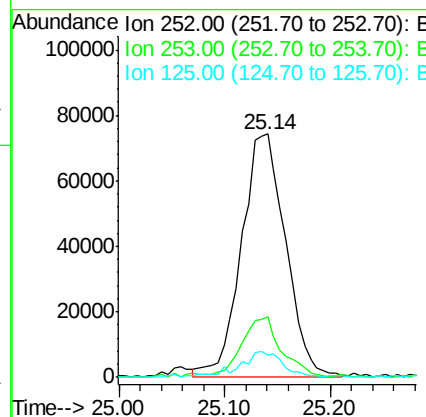
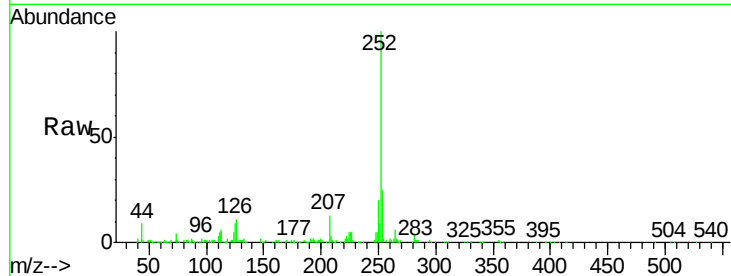
#88
Benzo(a)pyrene
Concen: 3.24 ng/ul
RT: 25.14 min Scan# 3796
Delta R.T. 0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.0	28.4
125	9.0	12.0	18.0

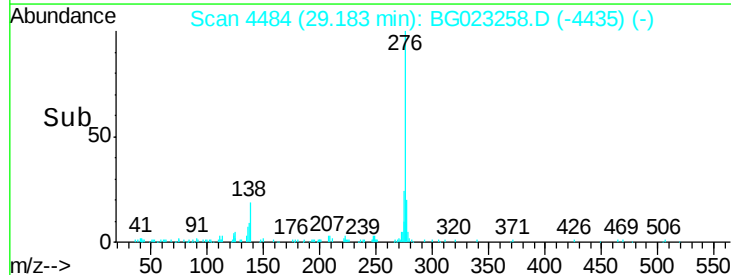
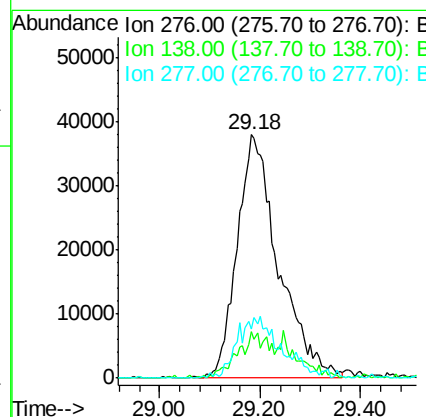
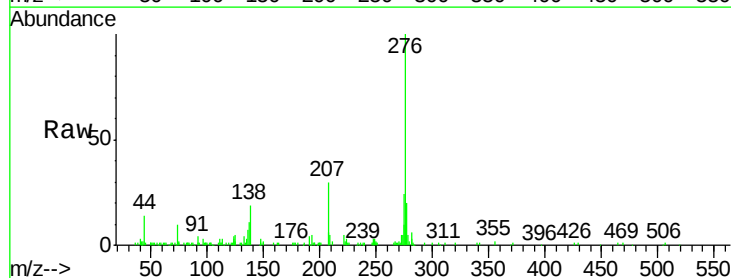
Manual Integrations

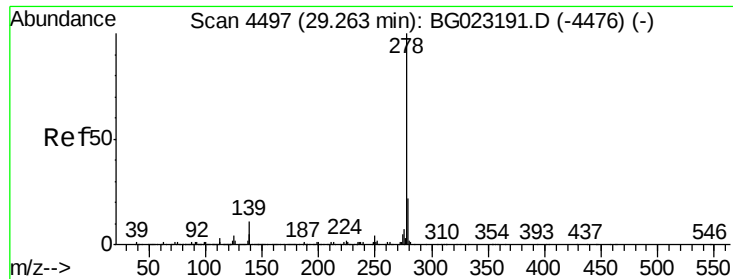
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.91 ng/ul m
RT: 29.18 min Scan# 4484
Delta R.T. -0.01 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	20.8	31.2
277	20.1	17.6	26.4





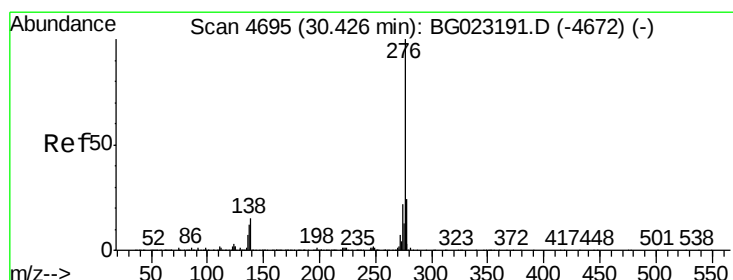
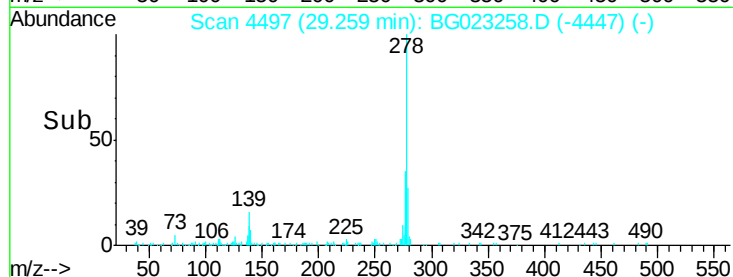
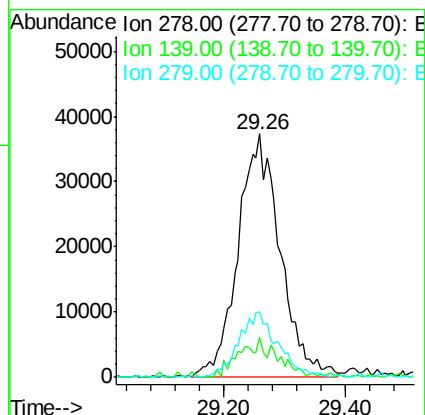
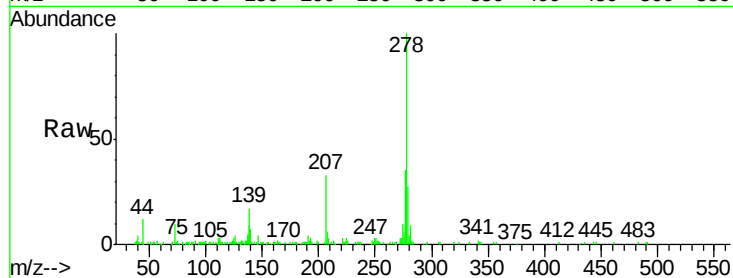
#90
Dibenzo(a,h)anthracene
Concen: 2.90 ng/ul m
RT: 29.26 min Scan# 4497
Delta R.T. -0.00 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Instrument :
BNA_G
ClientSampleId :
MDL-01-S-ML

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	16.3	24.5
279	26.9	19.1	28.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 3.00 ng/ul m
RT: 30.40 min Scan# 4692
Delta R.T. -0.02 min
Lab File: BG023258.D
Acq: 25 Jul 2016 19:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	22.1	33.1#
277	23.0	17.0	25.4

