

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
 Data File : BG023261.D
 Acq On : 25 Jul 2016 21:20
 Operator : UM/SJ
 Sample : MDL-04-S-ML
 Misc : MDL 4PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S-ML

Manual Integrations

APPROVED
 SOHIL
 7/26/2016 11:41:08 AM

Quant Time: Jul 26 10:34:15 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	141776	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	677302	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	478219	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	1098798m	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1164003m	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	1137221	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	10528	3.36	ng/uL	0.00
5) Phenol-d5	7.29	99	476295	32.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	345594	35.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	335606	34.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	372936	32.79	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	189144	34.91	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	220204	34.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	363667	30.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	511465	41.53	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1346178	33.86	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1567467	34.69	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	208709	29.75	ng/ul	0.00
57) Fluorene-d10	15.80	176	1236517	34.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	236676m	31.31	ng/ul	0.00
70) Anthracene-d10	17.67	188	1823487	35.45	ng/ul	0.00
76) Pyrene-d10	19.96	212	2037279	33.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	1933611	36.22	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.54	88	1649m	0.49	ng/uL
4) Benzaldehyde	7.27	77	32999	3.64	ng/ul# 73
6) Phenol	7.31	94	41494	2.73	ng/ul# 65
8) Bis(2-Chloroethyl)ether	7.54	93	36972	3.23	ng/ul# 86
10) 2-Chlorophenol	7.70	128	30941	3.07	ng/ul# 87
11) 2-Methylphenol	8.58	108	30320	2.70	ng/ul 85
12) 2,2'-oxybis(1-Chloropropan	8.67	45	52220	3.38	ng/ul# 87
14) Acetophenone	8.97	105	61102	3.09	ng/ul# 74
15) N-Nitroso-di-n-propylamine	8.94	70	37981	2.91	ng/ul# 75
16) 4-Methylphenol	8.91	108	36606	2.93	ng/ul 94
17) Hexachloroethane	9.23	117	14345	3.00	ng/ul 94
20) Nitrobenzene	9.36	77	48033	2.75	ng/ul# 97
21) Isophorone	9.88	82	94646	2.84	ng/ul# 92
23) 2-Nitrophenol	10.08	139	18560	2.75	ng/ul# 46
24) 2,4-Dimethylphenol	10.13	107	41465	2.67	ng/ul 96
25) Bis(2-Chloroethoxy)methane	10.36	93	53057	2.88	ng/ul# 85
27) 2,4-Dichlorophenol	10.62	162	33088	2.81	ng/ul# 83
28) Naphthalene	11.03	128	107849	3.17	ng/ul 98
30) 4-Chloroaniline	11.13	127	43823	3.44	ng/ul 97
31) Hexachlorobutadiene	11.30	225	24572	2.60	ng/ul 90
32) Caprolactam	11.92	113	12052m	2.47	ng/ul
33) 4-Chloro-3-methylphenol	12.26	107	38923m	2.52	ng/ul
34) 2-Methylnaphthalene	12.63	142	86964	3.09	ng/ul 94

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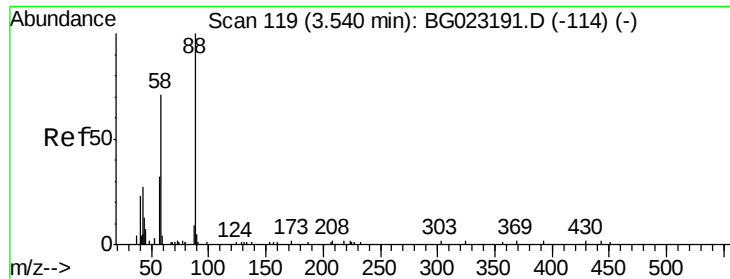
Manual Integrations

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	49052	3.07	ng/ul#	91
37) Hexachlorocyclopentadiene	12.98	237	22869	2.20	ng/ul	89
38) 2,4,6-Trichlorophenol	13.24	196	28132m	2.55	ng/ul	
39) 2,4,5-Trichlorophenol	13.32	196	27232	2.42	ng/ul	87
40) 1,1'-Biphenyl	13.64	154	119541	3.33	ng/ul#	88
41) 2-Chloronaphthalene	13.68	162	92731m	3.21	ng/ul	
42) 2-Nitroaniline	13.89	65	33846	2.63	ng/ul#	55
44) Dimethylphthalate	14.25	163	125067	3.11	ng/ul	100
45) 2,6-Dinitrotoluene	14.38	165	24255	2.77	ng/ul#	77
47) Acenaphthylene	14.53	152	155871	3.41	ng/ul	98
48) 3-Nitroaniline	14.72	138	23122	3.10	ng/ul#	75
49) Acenaphthene	14.87	153	98688	3.19	ng/ul	93
50) 2,4-Dinitrophenol	14.92	184	5498	1.00	ng/ul#	79
52) 4-Nitrophenol	15.02	109	20514	2.46	ng/ul#	65
53) Dibenzofuran	15.21	168	152492	3.34	ng/ul	92
54) 2,4-Dinitrotoluene	15.17	165	38403	2.88	ng/ul#	80
55) 2,3,4,6-Tetrachlorophenol	15.43	232	25061	2.20	ng/ul	97
56) Diethylphthalate	15.62	149	135962	3.17	ng/ul	97
58) Fluorene	15.86	166	123978	3.30	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.85	204	62091	3.01	ng/ul#	94
60) 4-Nitroaniline	15.89	138	28209	3.07	ng/ul#	52
63) 4,6-Dinitro-2-methylphenol	15.93	198	24360m	3.05	ng/ul	
64) N-Nitrosodiphenylamine	16.06	169	107552	3.39	ng/ul	86
65) 4-Bromophenyl-phenylether	16.74	248	38060	3.01	ng/ul	97
66) Hexachlorobenzene	16.87	284	44581	3.44	ng/ul	92
67) Atrazine	17.02	200	42271m	3.12	ng/ul	
68) Pentachlorophenol	17.22	266	15511m	1.93	ng/ul	
69) Phenanthrene	17.61	178	204903m	3.62	ng/ul	
71) Anthracene	17.71	178	205993	3.47	ng/ul	99
72) Carbazole	17.98	167	169923	3.64	ng/ul	97
73) Di-n-butylphthalate	18.52	149	214448m	3.31	ng/ul	
74) Fluoranthene	19.62	202	235164m	3.96	ng/ul	
77) Pyrene	19.99	202	259954m	3.67	ng/ul	
78) Butylbenzylphthalate	20.86	149	87165m	2.84	ng/ul	
79) 3,3'-Dichlorobenzidine	21.79	252	59524	2.56	ng/ul	97
80) Benzo(a)anthracene	21.87	228	237315m	3.43	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.75	149	129343	3.08	ng/ul	97
82) Chrysene	21.94	228	216323	3.45	ng/ul	98
84) Di-n-octyl phthalate	23.03	149	213907	3.39	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	228003	3.30	ng/ul#	91
86) Benzo(k)fluoranthene	24.28	252	204360	3.12	ng/ul#	95
88) Benzo(a)pyrene	25.14	252	218315	3.31	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	29.18	276	226277m	3.05	ng/ul	
90) Dibenzo(a,h)anthracene	29.25	278	190935m	3.12	ng/ul	
91) Benzo(g,h,i)perylene	30.40	276	190524m	3.11	ng/ul	

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



#2

1,4-Dioxane

Concen: 0.49 ng/uL m

RT: 3.54 min Scan# 119

Delta R.T. -0.00 min

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BNA_G

ClientSampleId :

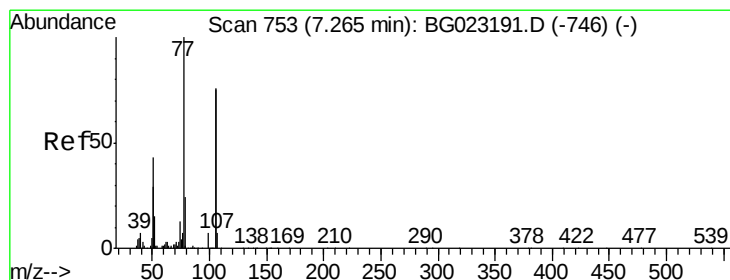
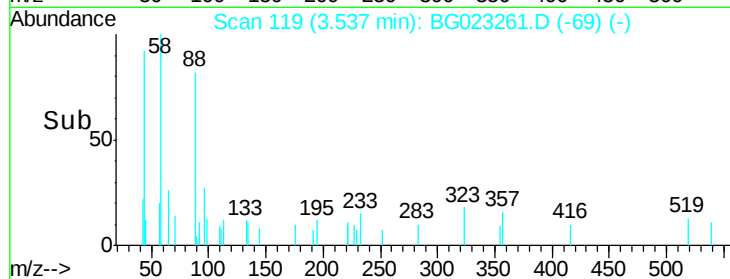
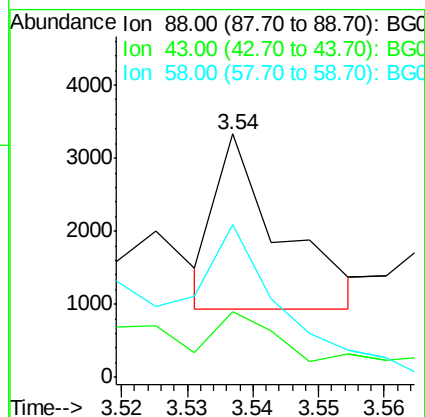
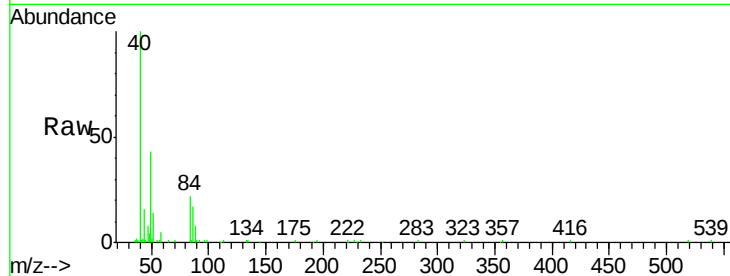
MDL-04-S-ML

Tgt Ion:	88	Resp:	1649
Ion Ratio	Lower	Upper	
88	100		
43	26.9	16.6	24.8#
58	62.8	47.2	70.8

Manual Integrations

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7/26/2016 11:41:08 AM



#4

Benzaldehyde

Concen: 3.64 ng/uL

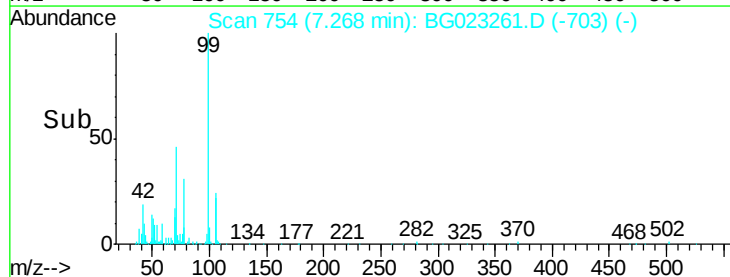
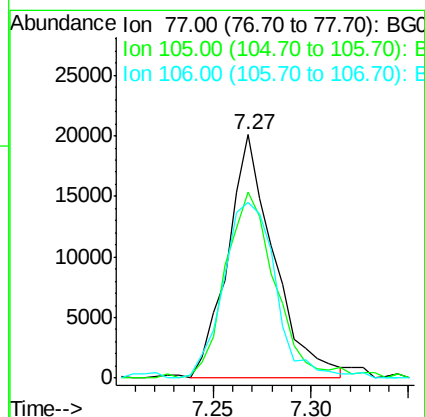
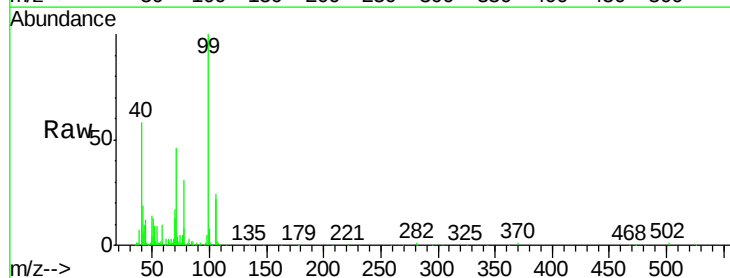
RT: 7.27 min Scan# 754

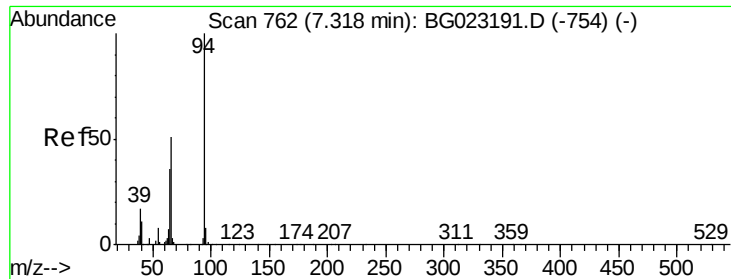
Delta R.T. 0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	77	Resp:	32999
Ion Ratio	Lower	Upper	
77	100		
105	76.3	83.8	125.8#
106	72.1	77.9	116.9#





#6

Phenol

Concen: 2.73 ng/ul

RT: 7.31 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

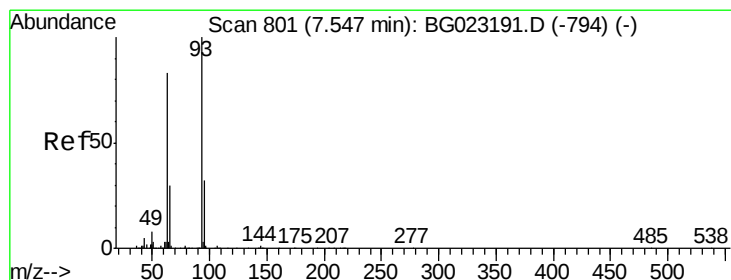
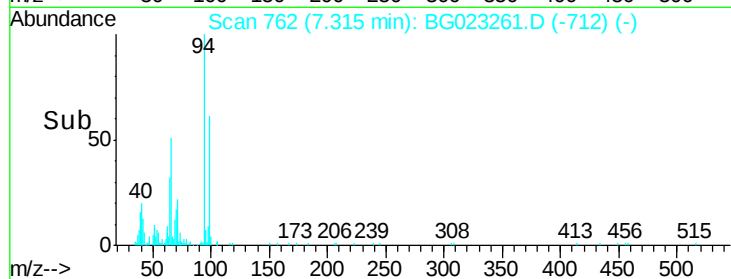
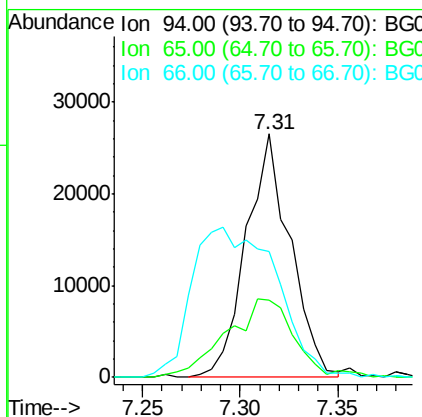
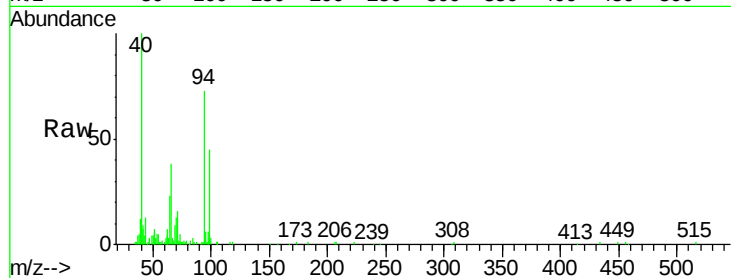
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.0	16.8	25.2#
66	51.5	22.6	33.8#

Manual Integrations

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7/26/2016 11:41:08 AM



#8

Bis(2-Chloroethyl)ether

Concen: 3.23 ng/ul

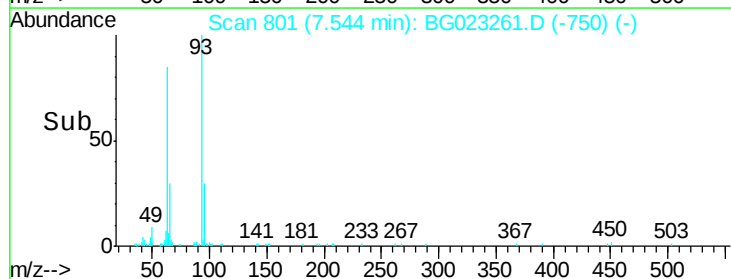
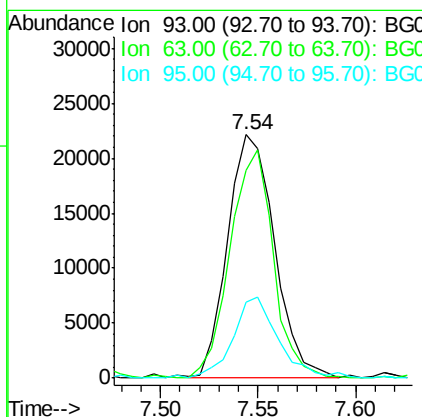
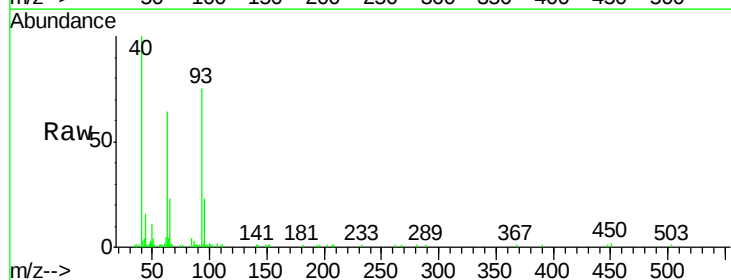
RT: 7.54 min Scan# 801

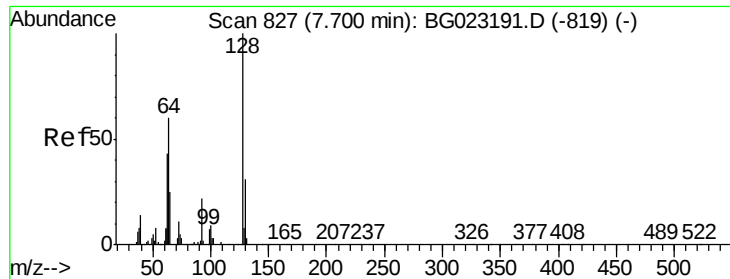
Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
93	100		
63	85.3	56.0	84.0#
95	31.1	27.7	41.5





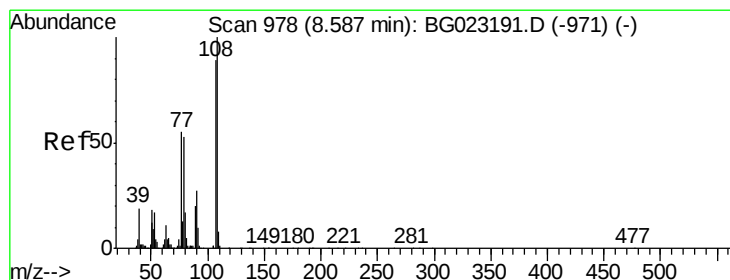
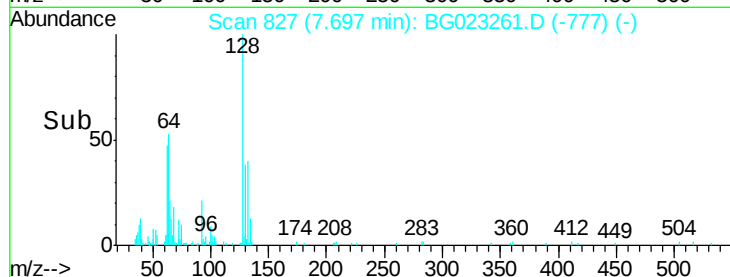
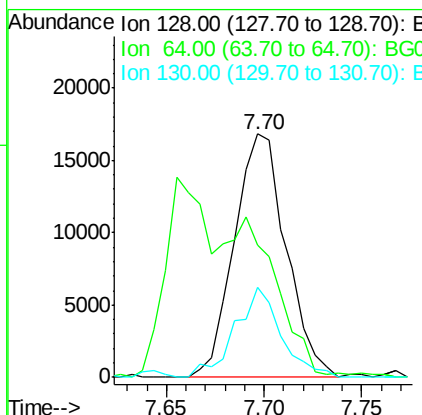
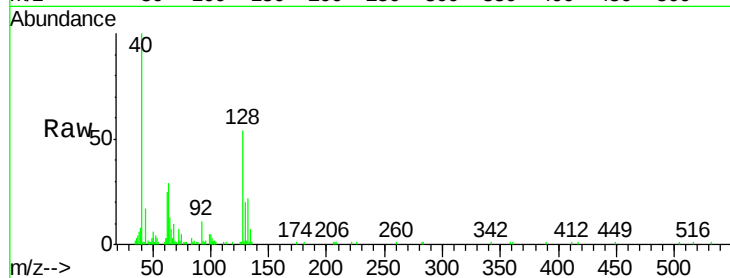
#10
2-Chlorophenol
Concen: 3.07 ng/ul
RT: 7.70 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG023261.D
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MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
128	100		
64	54.1	34.2	51.4#
130	37.2	27.0	40.4

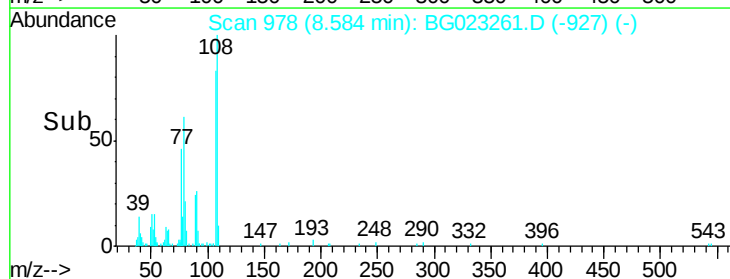
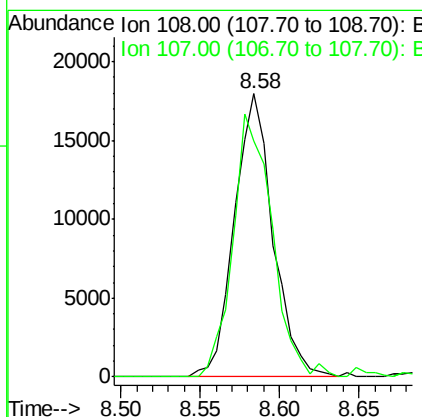
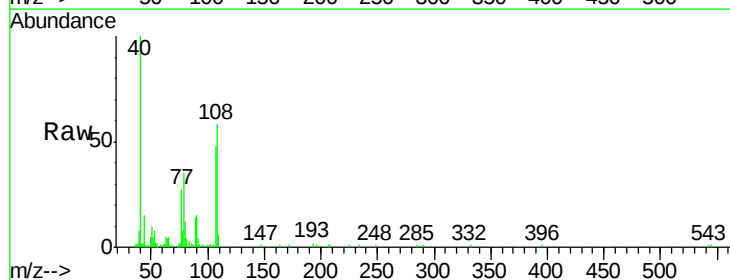
Manual Integrations

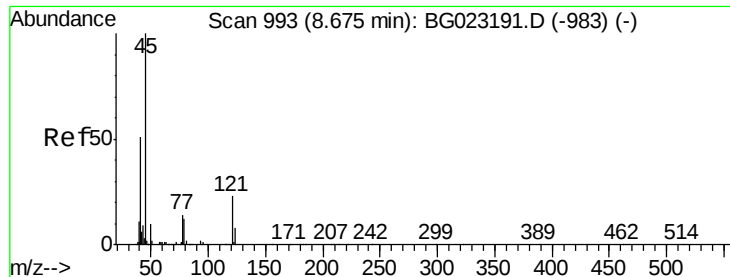
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7/26/2016 11:41:08 AM



#11
2-Methylphenol
Concen: 2.70 ng/ul
RT: 8.58 min Scan# 978
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
108	100		
107	83.6	78.6	117.8





#12

2,2'-oxybis(1-chloropropane)

Concen: 3.38 ng/ul

RT: 8.67 min Scan# 993

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

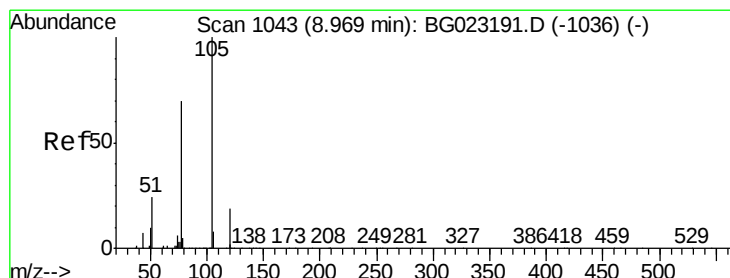
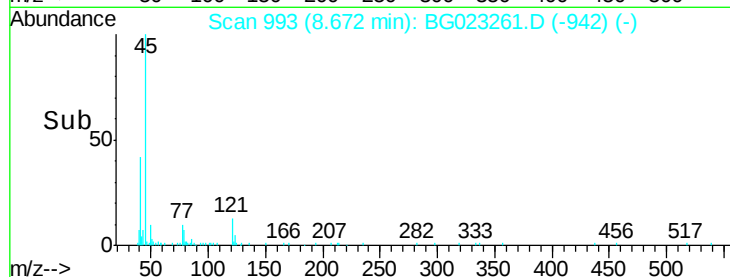
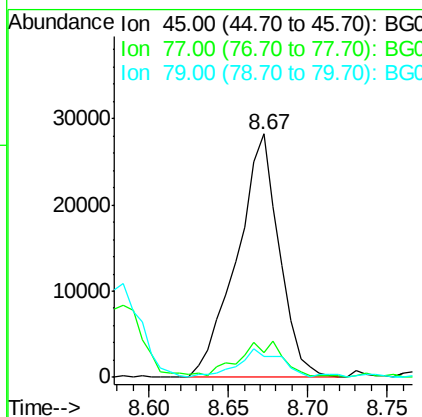
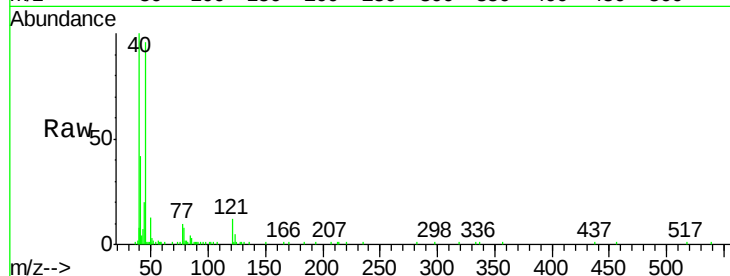
MDL-04-S-ML

Tgt Ion:	45	Resp:	52220
Ion Ratio	Lower	Upper	
45	100		
77	10.4	13.4	20.2#
79	8.5	10.2	15.4#

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7/26/2016 11:41:08 AM



#14

Acetophenone

Concen: 3.09 ng/ul

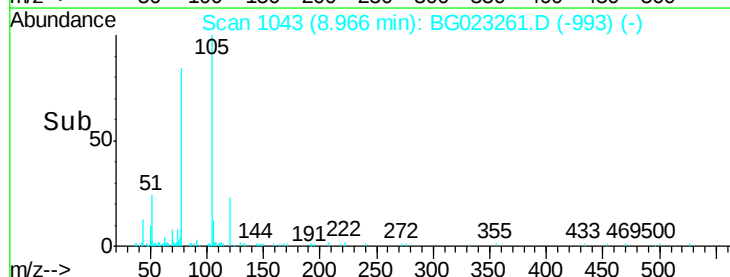
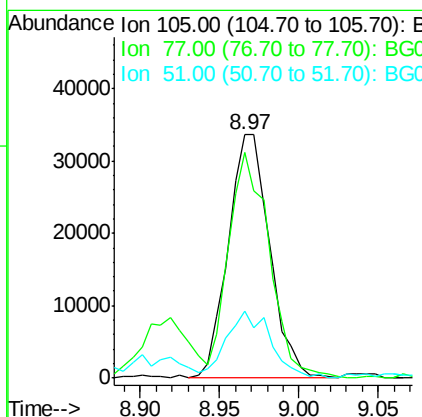
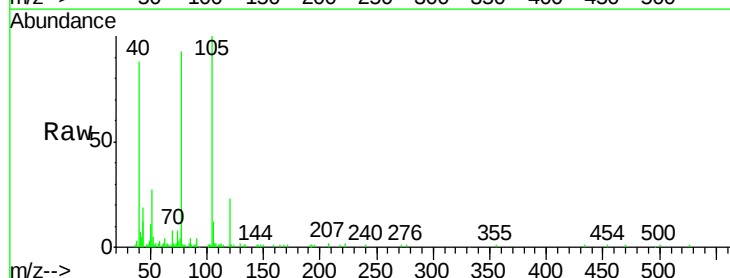
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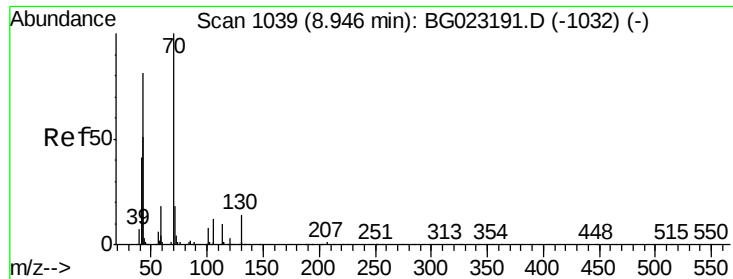
Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	105	Resp:	61102
Ion Ratio	Lower	Upper	
105	100		
77	92.7	56.1	84.1#
51	27.3	14.6	22.0#





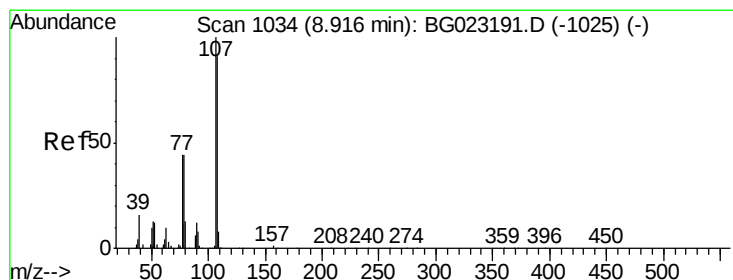
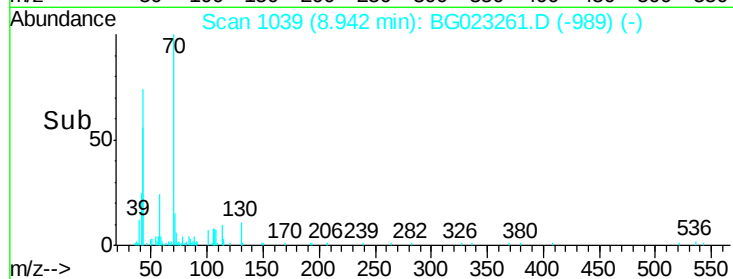
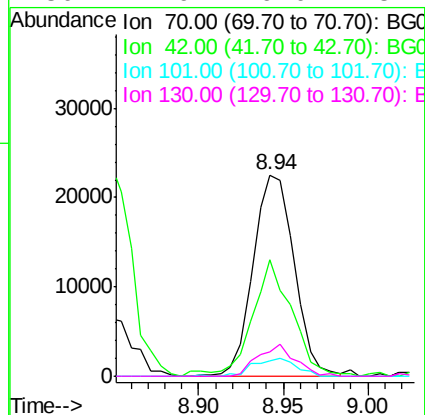
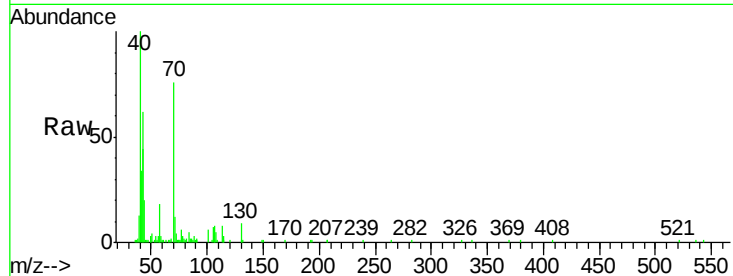
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N-Nitroso-di-n-propylamine
Concen: 2.91 ng/ul
RT: 8.94 min Scan# 1039
Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
70	100		
42	57.8	31.4	47.2#
101	7.4	8.6	13.0#
130	11.9	19.0	28.4#

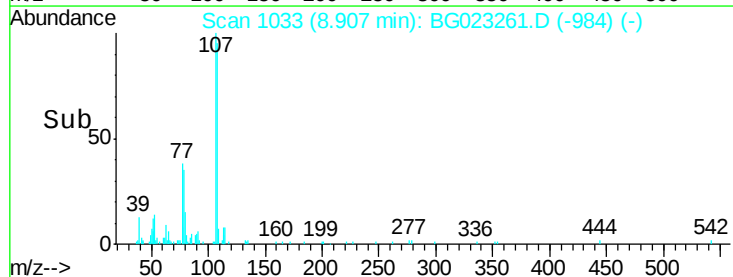
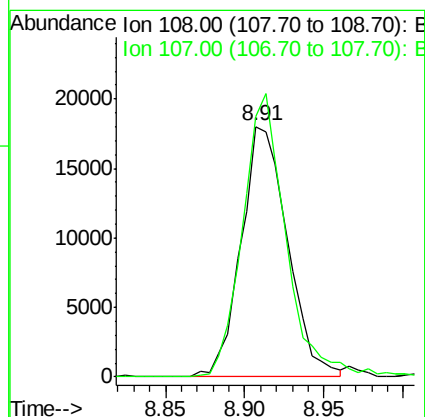
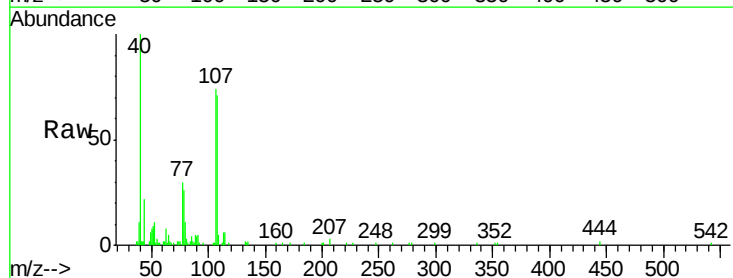
Manual Integrations

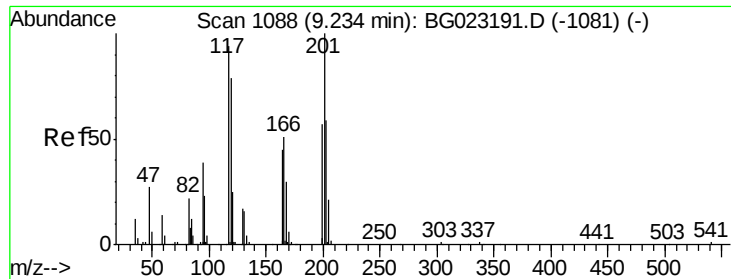
SOHIL
7/26/2016 11:41:08 AM



#16
4-Methylphenol
Concen: 2.93 ng/ul
RT: 8.91 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
108	100		
107	103.8	88.3	132.5





#17

Hexachloroethane

Concen: 3.00 ng/ul

RT: 9.23 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

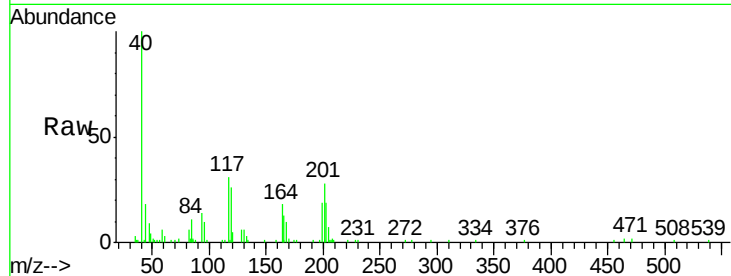
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	76.8	115.2
199	60.4	43.5	65.3

Manual Integrations

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7/26/2016 11:41:08 AM

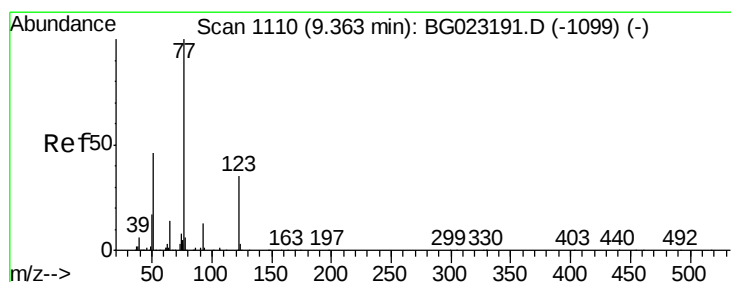
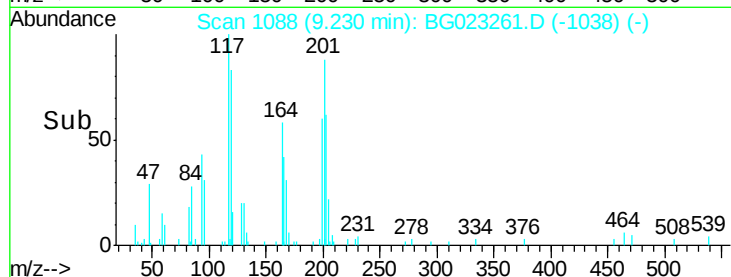
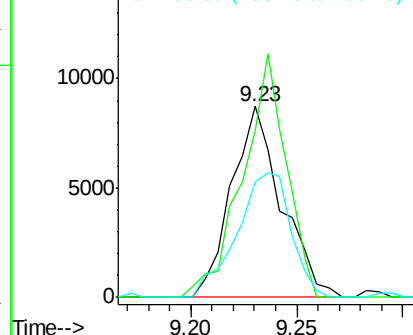


Abundance

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



#20

Nitrobenzene

Concen: 2.75 ng/ul

RT: 9.36 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

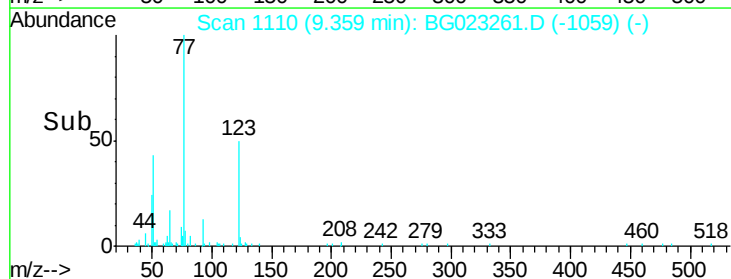
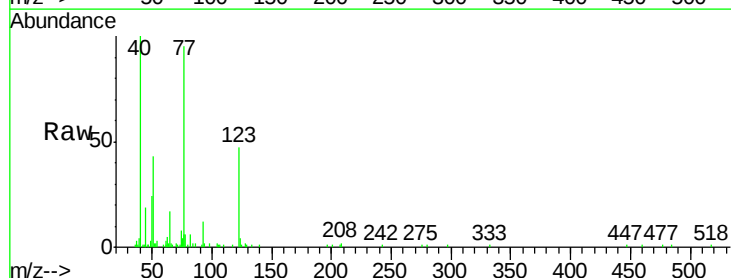
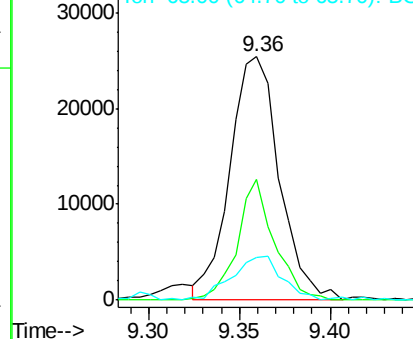
Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.7	39.5	59.3
65	17.4	9.0	13.4

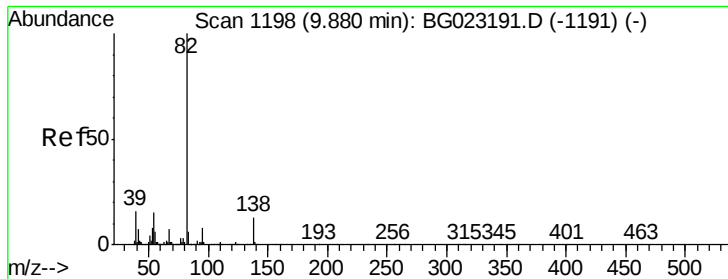
Abundance

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





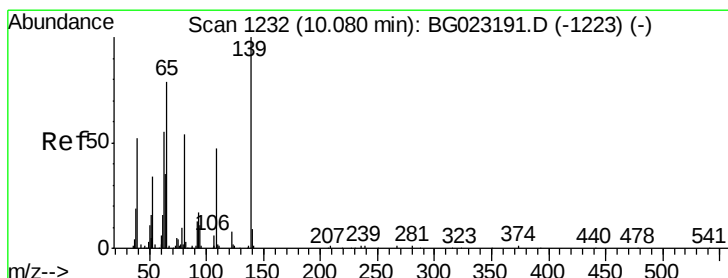
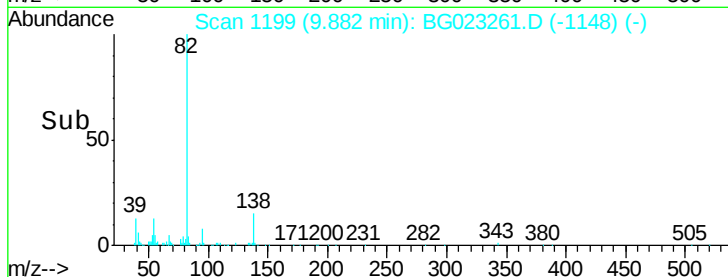
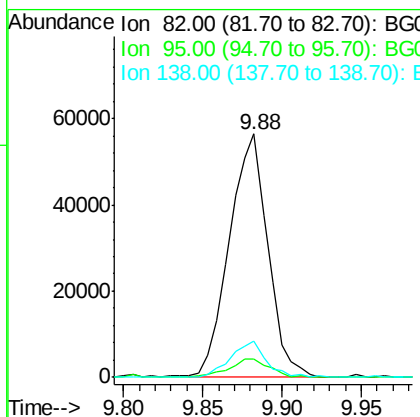
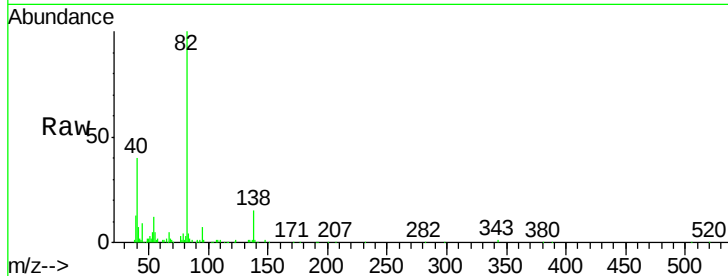
#21
Isophorone
Concen: 2.84 ng/ul
RT: 9.88 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.1	7.7
138	14.6	15.0	22.6#

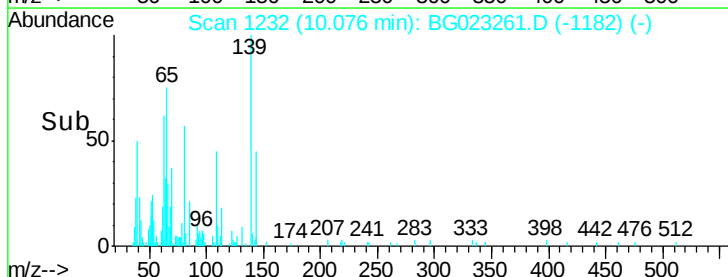
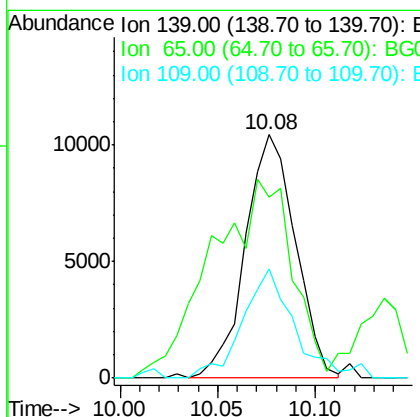
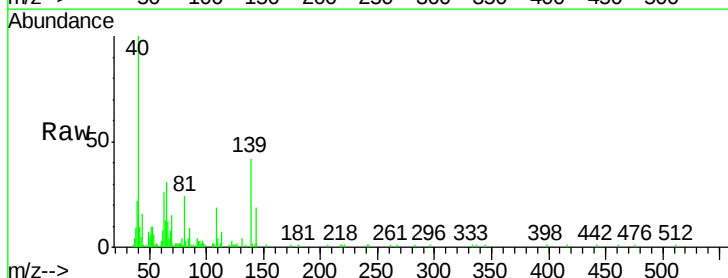
Manual Integrations

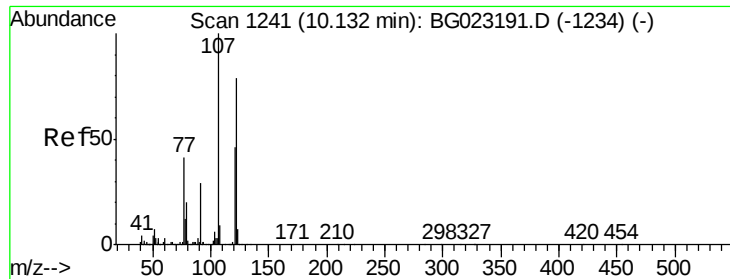
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#23
2-Nitrophenol
Concen: 2.75 ng/ul
RT: 10.08 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
139	100		
65	74.5	31.8	47.8#
109	45.0	17.1	25.7#





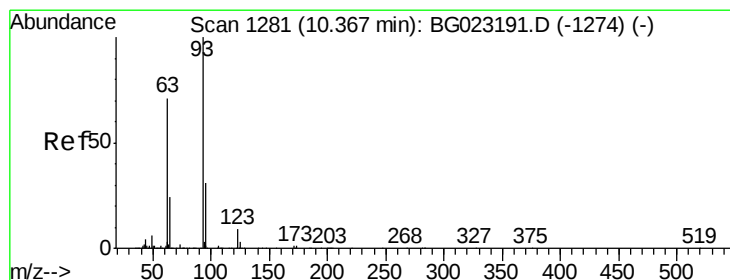
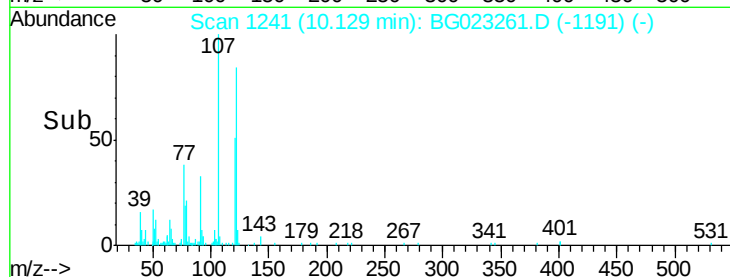
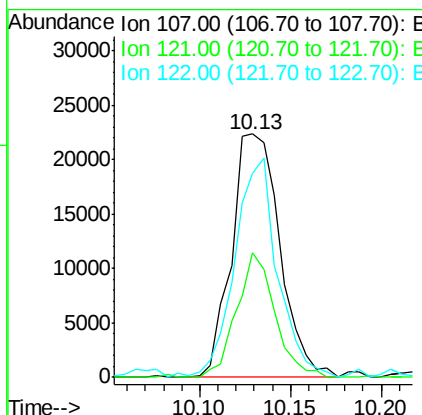
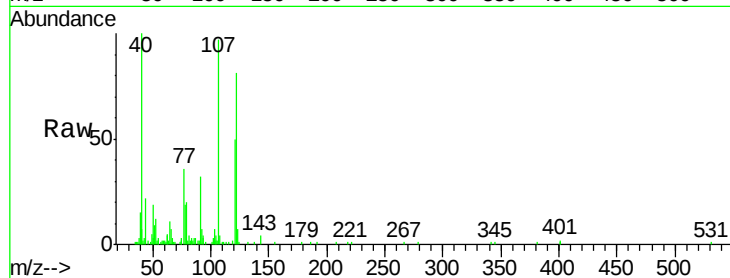
#24
2,4-Dimethylphenol
Concen: 2.67 ng/ul
RT: 10.13 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
107	100		
121	51.2	43.7	65.5
122	83.9	70.3	105.5

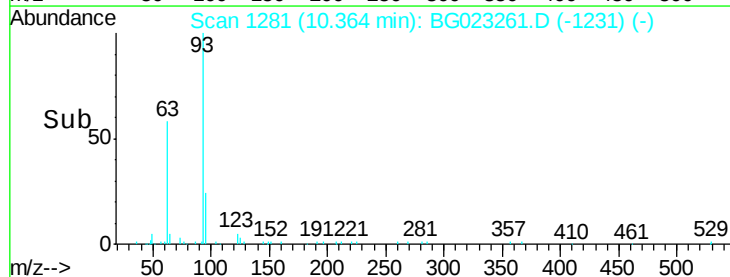
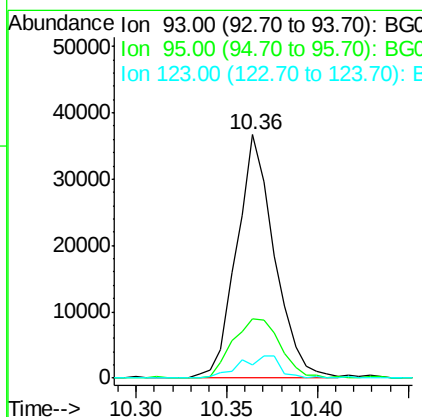
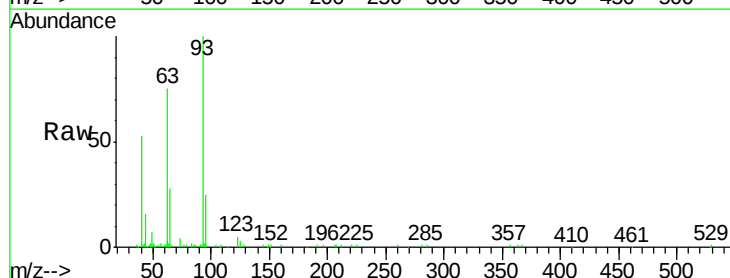
Manual Integrations

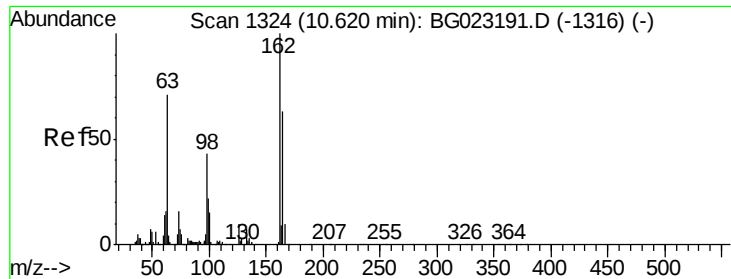
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#25
Bis(2-Chloroethoxy)methane
Concen: 2.88 ng/ul
RT: 10.36 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	24.5	26.0	39.0#
123	5.3	10.1	15.1#





#27

2,4-Dichlorophenol

Concen: 2.81 ng/ul

RT: 10.62 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

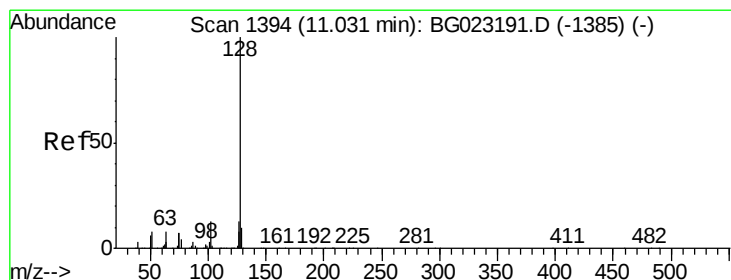
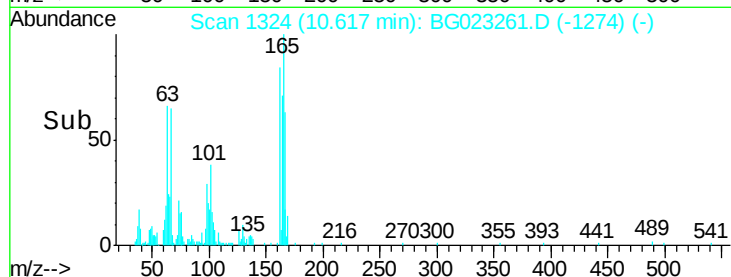
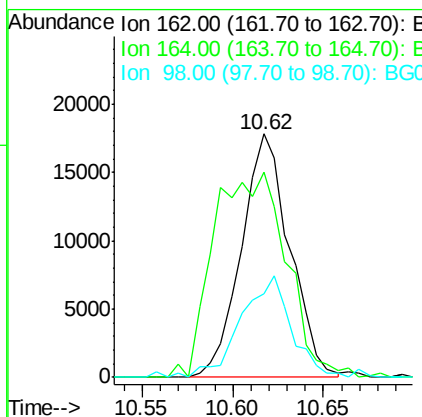
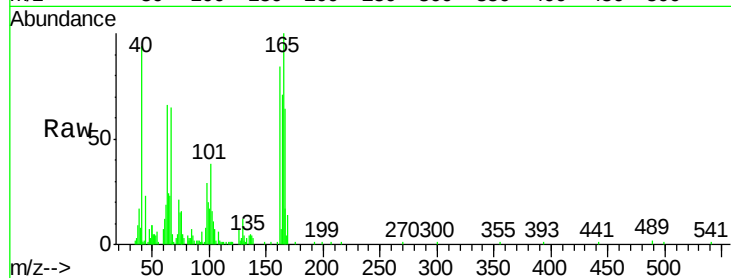
MDL-04-S-ML

Tgt Ion:	162	Resp:	33088
Ion Ratio	Lower	Upper	
162	100		
164	84.3	51.6	77.4#
98	34.2	28.3	42.5

Manual Integrations

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7/26/2016 11:41:08 AM



#28

Naphthalene

Concen: 3.17 ng/ul

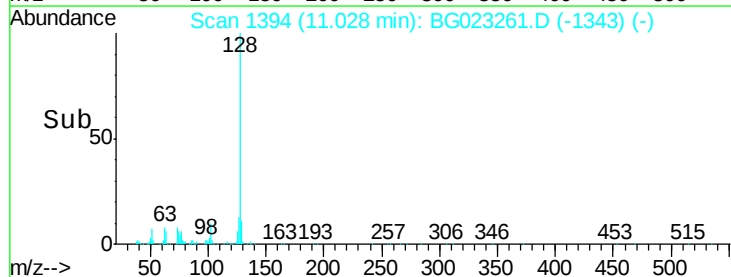
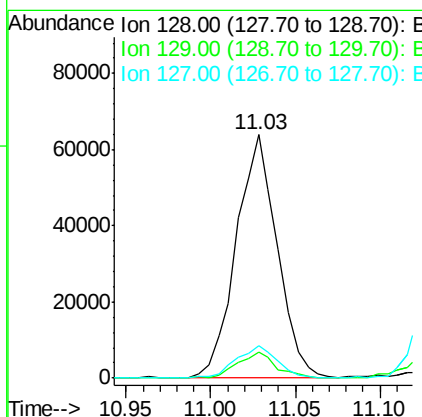
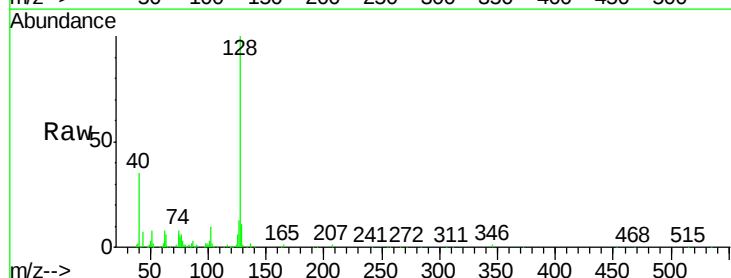
RT: 11.03 min Scan# 1394

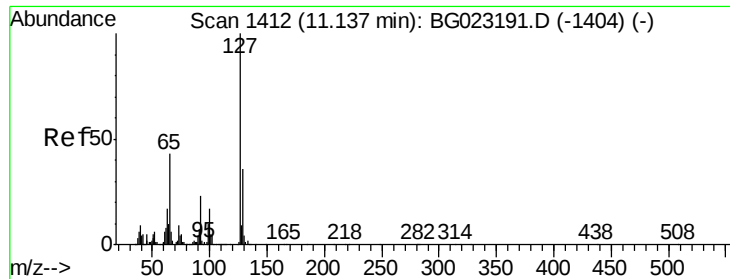
Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	128	Resp:	107849
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.4	14.2
127	13.4	11.2	16.8





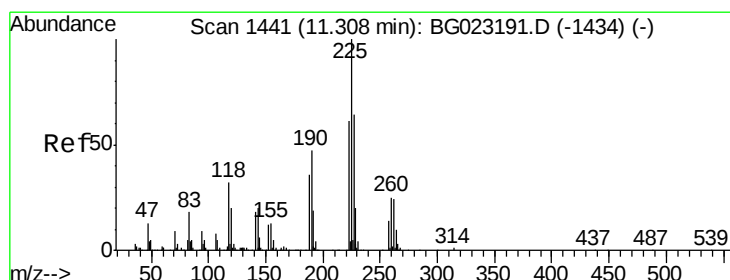
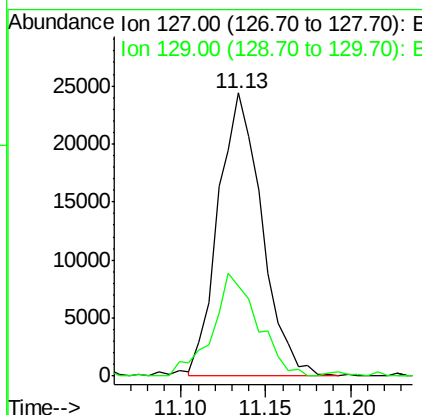
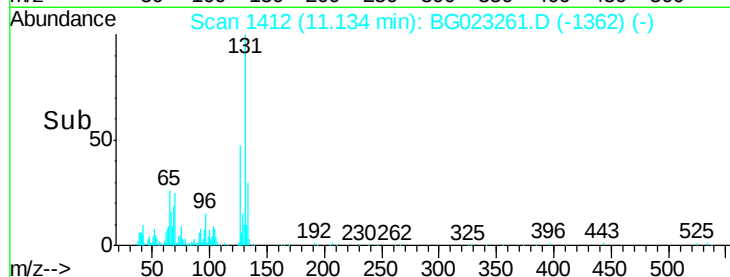
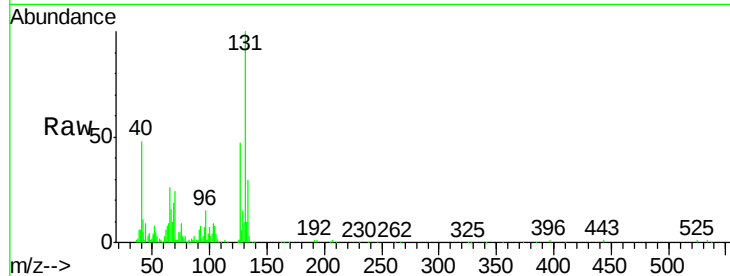
#30
4-Chloroaniline
Concen: 3.44 ng/ul
RT: 11.13 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion:127 Resp: 43823
Ion Ratio Lower Upper
127 100
129 31.9 26.9 40.3

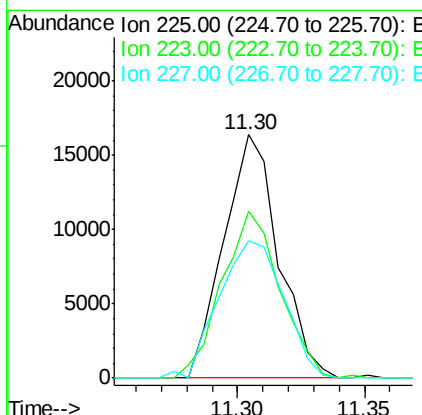
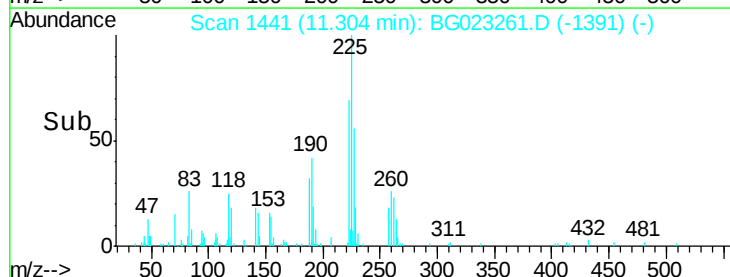
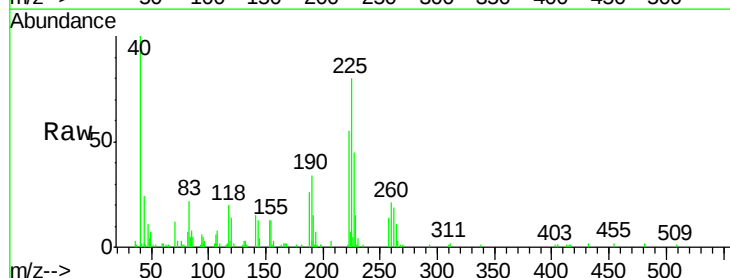
Manual Integrations

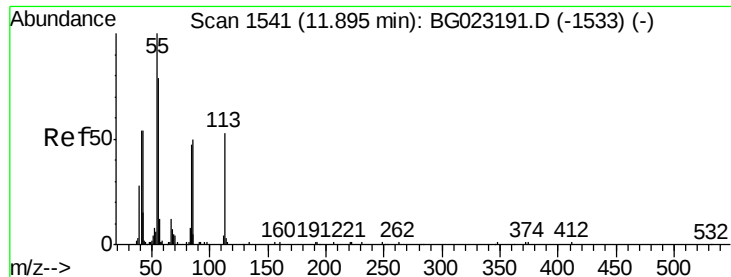
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#31
Hexachlorobutadiene
Concen: 2.60 ng/ul
RT: 11.30 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion:225 Resp: 24572
Ion Ratio Lower Upper
225 100
223 64.3 54.7 82.1
227 53.0 52.2 78.4





#32

Caprolactam

Concen: 2.47 ng/ul m

RT: 11.92 min Scan# 1545

Delta R.T. 0.02 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

MDL-04-S-ML

Tgt Ion:113 Resp: 12052

Ion Ratio Lower Upper

113 100

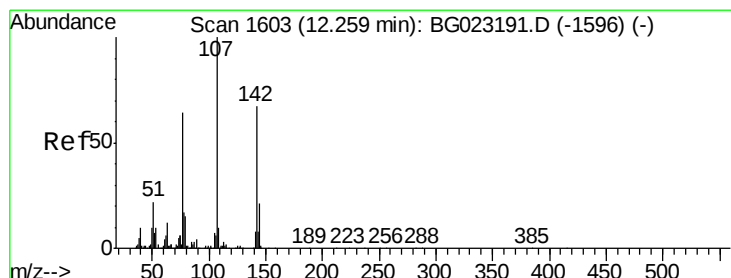
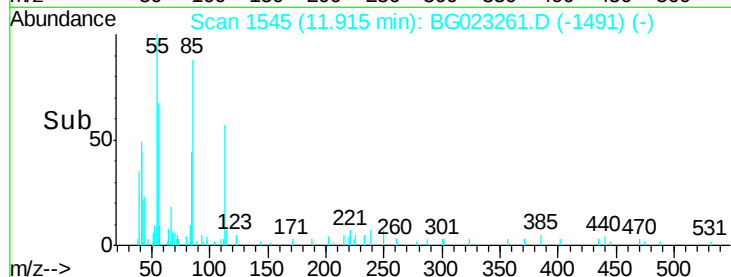
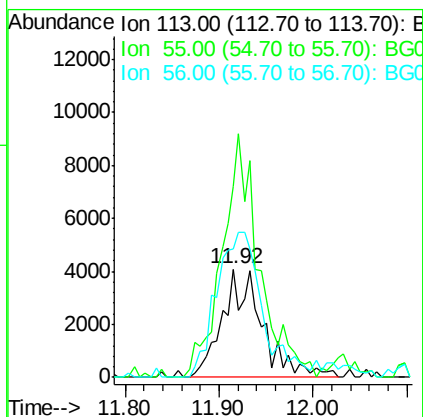
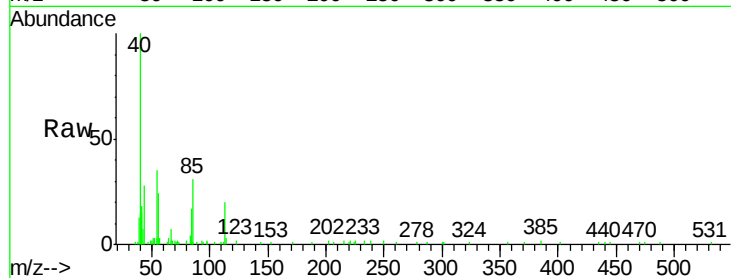
55 176.5 99.6 149.4#

56 118.8 66.4 99.6#

Manual Integrations

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7/26/2016 11:41:08 AM



#33

4-Chloro-3-methylphenol

Concen: 2.52 ng/ul m

RT: 12.26 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

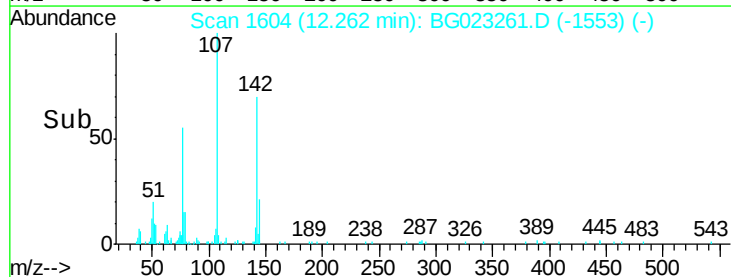
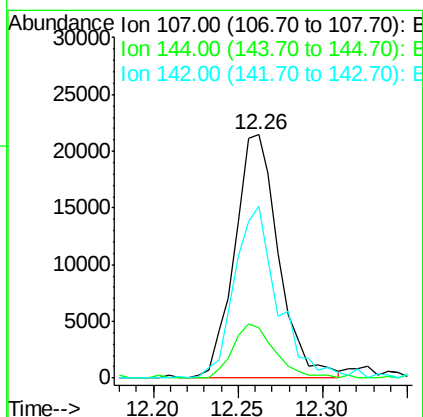
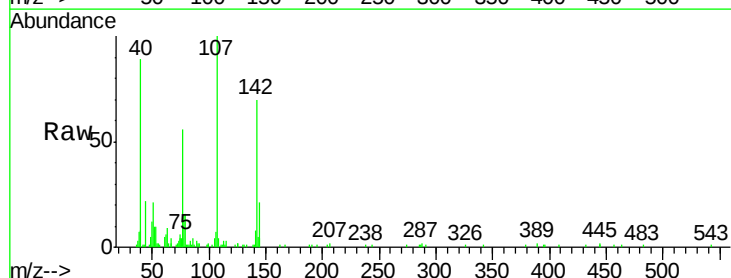
Tgt Ion:107 Resp: 38923

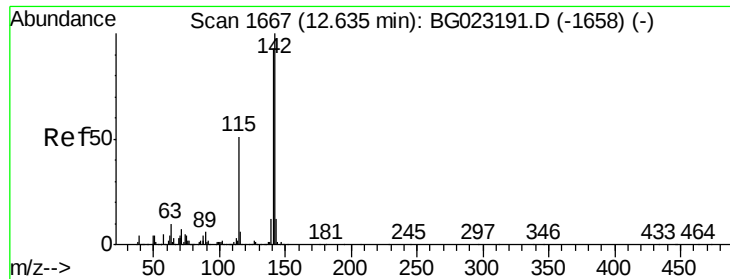
Ion Ratio Lower Upper

107 100

144 20.8 22.7 34.1#

142 70.5 71.6 107.4#





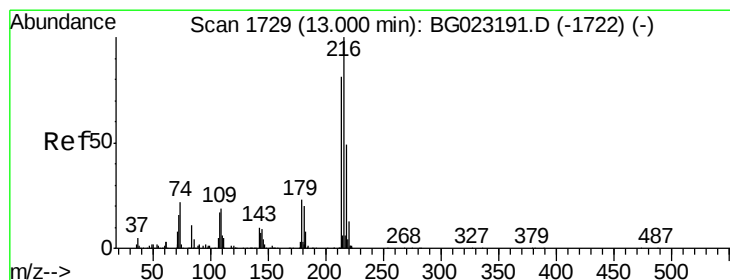
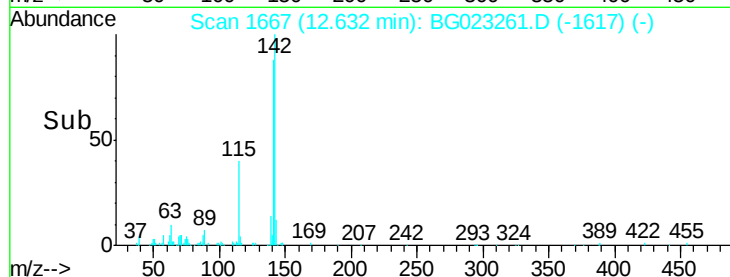
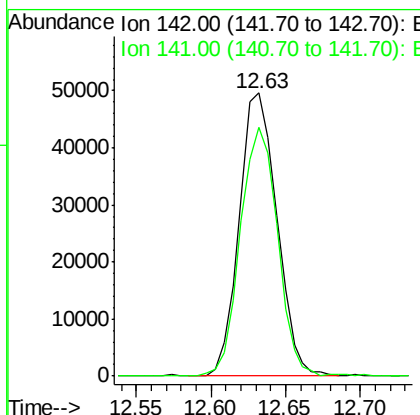
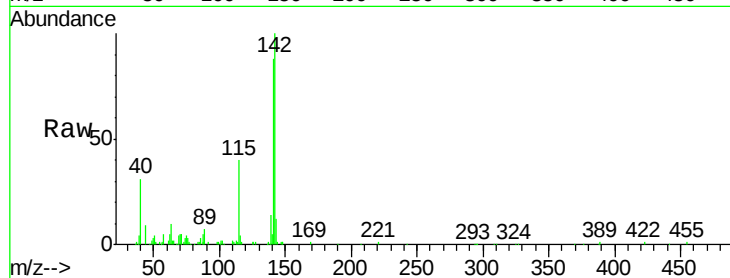
#34
 2-Methylnaphthalene
 Concen: 3.09 ng/ul
 RT: 12.63 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BG023261.D
 Acq: 25 Jul 2016 21:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S-ML

Tgt Ion:142 Resp: 86964
 Ion Ratio Lower Upper
 142 100
 141 87.9 75.2 112.8

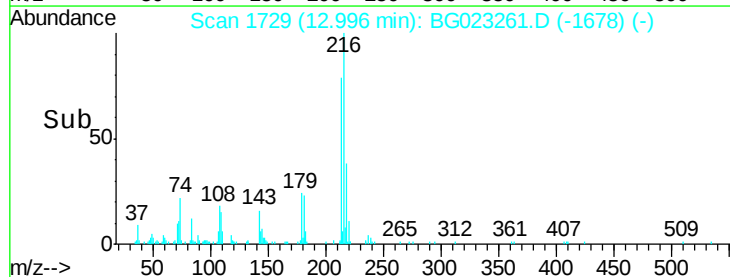
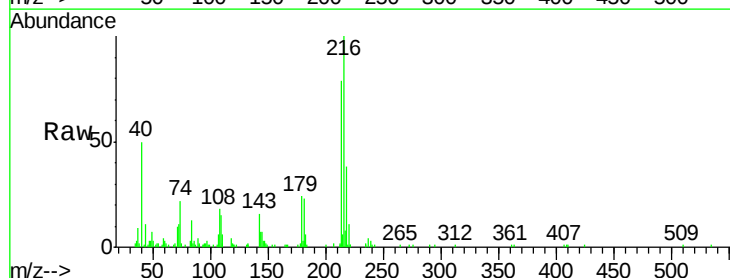
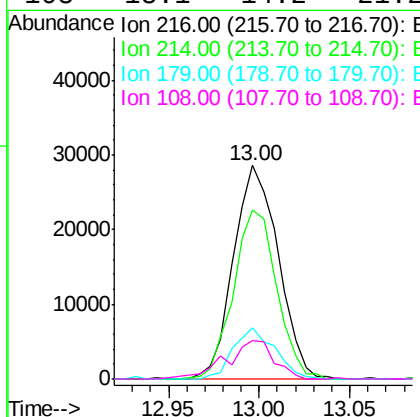
Manual Integrations

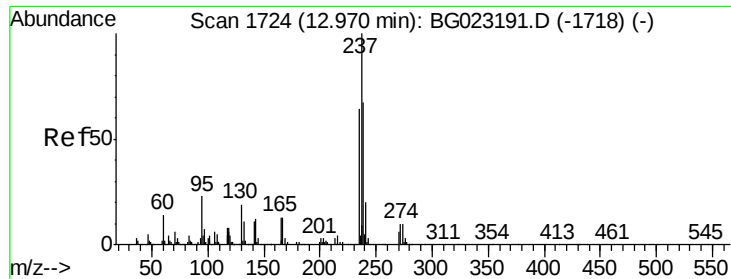
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#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.07 ng/ul
 RT: 13.00 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG023261.D
 Acq: 25 Jul 2016 21:20

Tgt Ion:216 Resp: 49052
 Ion Ratio Lower Upper
 216 100
 214 85.5 61.7 92.5
 179 27.2 17.0 25.4#
 108 18.1 14.2 21.2





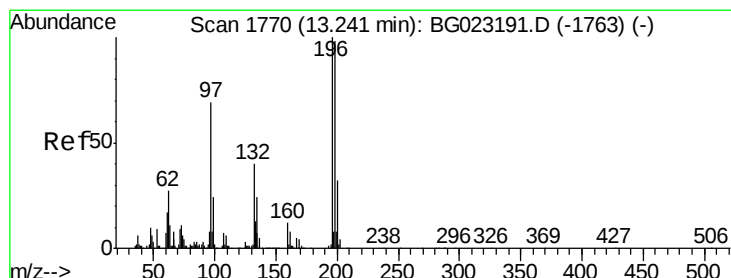
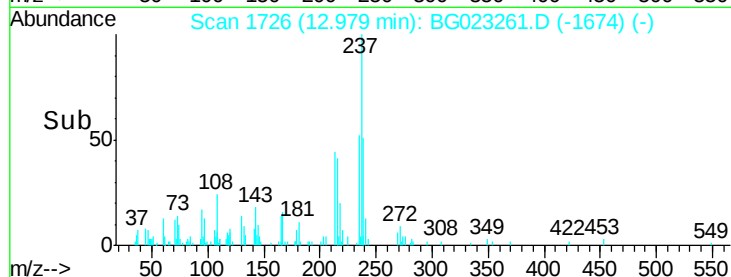
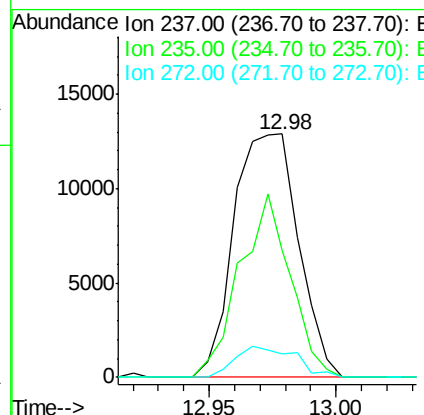
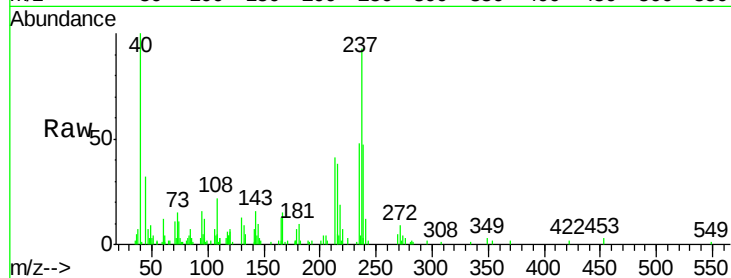
#37
Hexachlorocyclopentadiene
Concen: 2.20 ng/ul
RT: 12.98 min Scan# 1726
Delta R.T. 0.01 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
237	100		
235	52.1	49.6	74.4
272	11.0	9.3	13.9

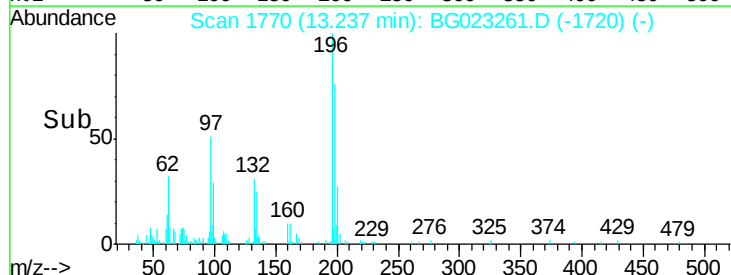
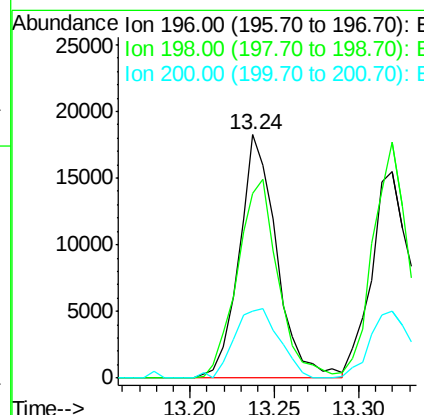
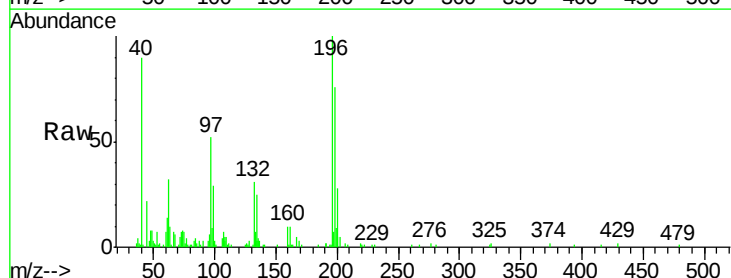
Manual Integrations

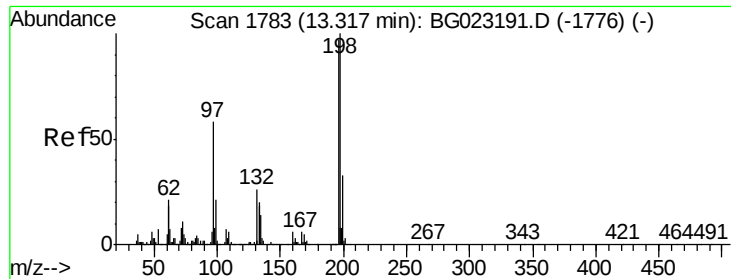
APPROVED
SOHIL
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#38
2,4,6-Trichlorophenol
Concen: 2.55 ng/ul m
RT: 13.24 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
196	100		
198	76.0	77.4	116.0#
200	27.7	26.6	39.8





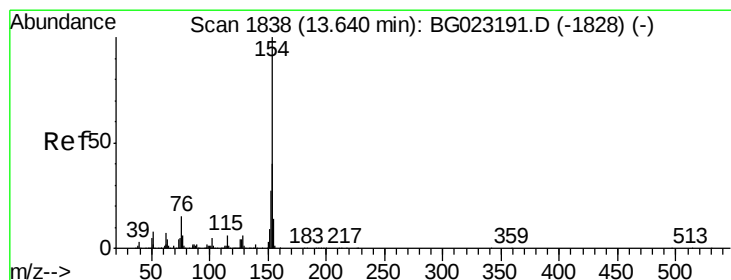
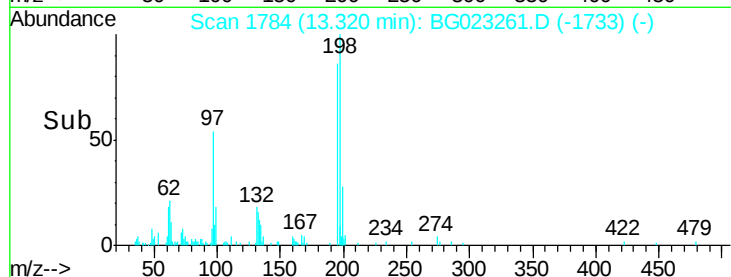
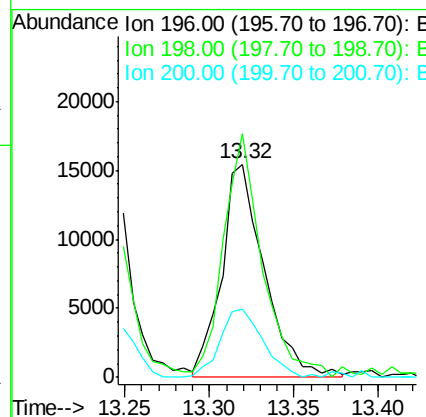
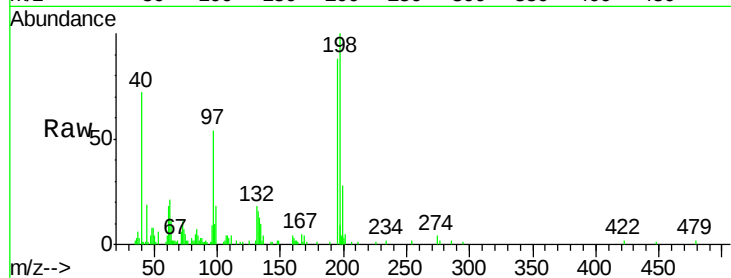
#39
 2,4,5-Trichlorophenol
 Concen: 2.42 ng/ul
 RT: 13.32 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BG023261.D
 Acq: 25 Jul 2016 21:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
196	100		
198	114.2	79.8	119.8
200	35.2	24.0	36.0

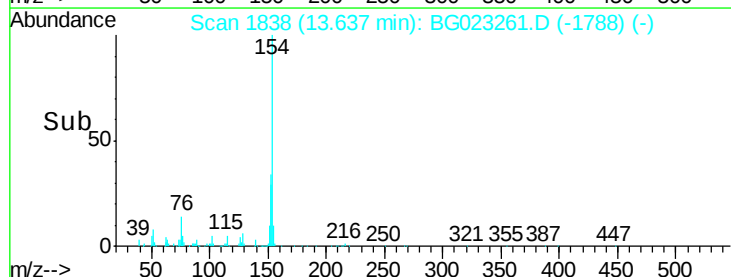
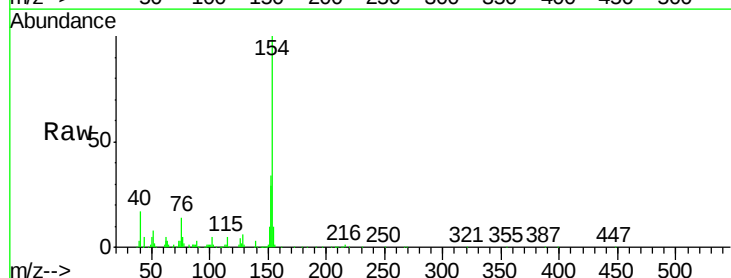
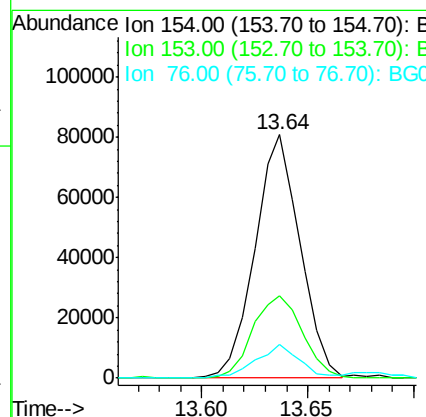
Manual Integrations

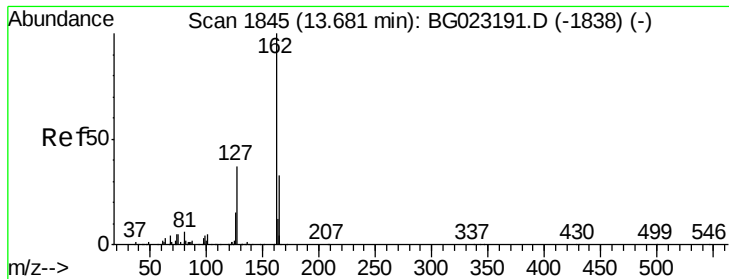
APPROVED
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#40
 1,1'-Biphenyl
 Concen: 3.33 ng/ul
 RT: 13.64 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BG023261.D
 Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	33.8	34.6	52.0#
76	14.0	11.9	17.9





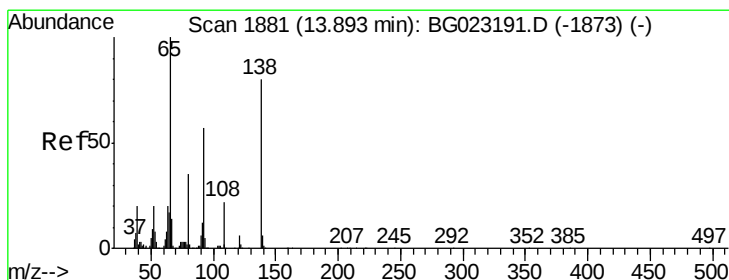
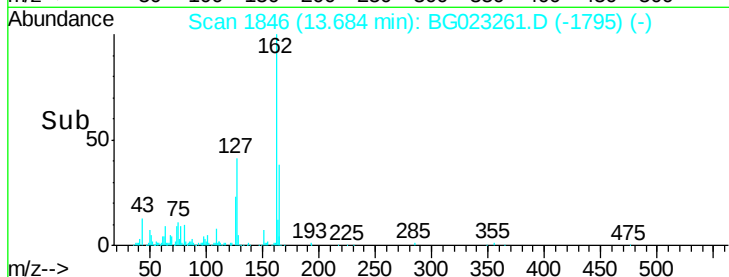
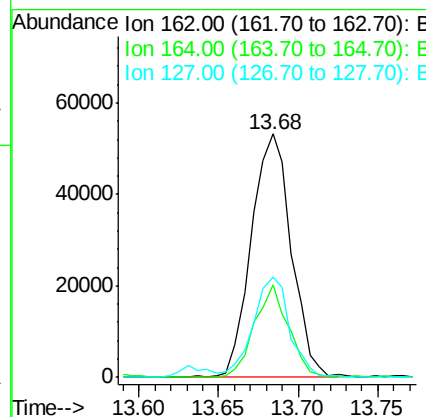
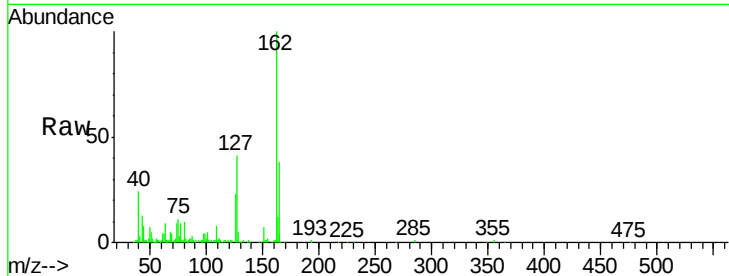
#41
2-Chloronaphthalene
Concen: 3.21 ng/ul m
RT: 13.68 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
162	100		
164	38.2	25.4	38.2#
127	41.4	30.2	45.4

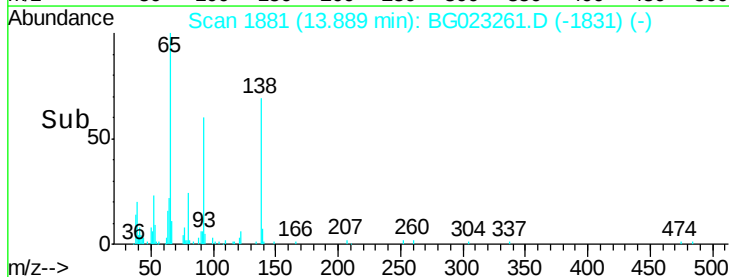
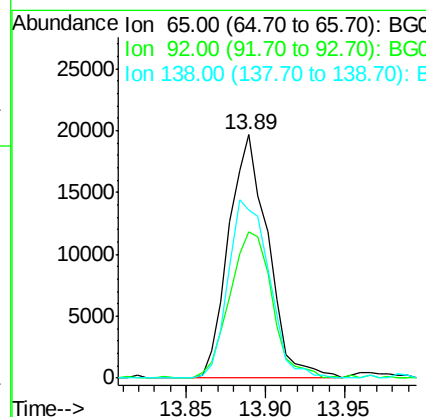
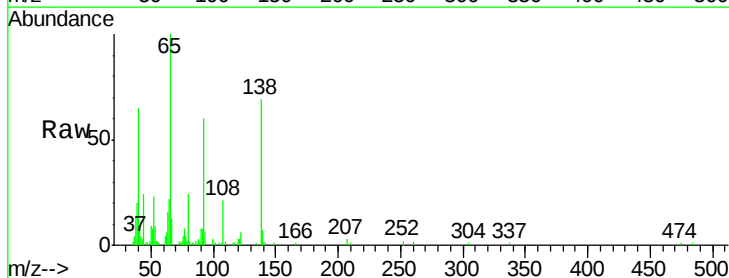
Manual Integrations

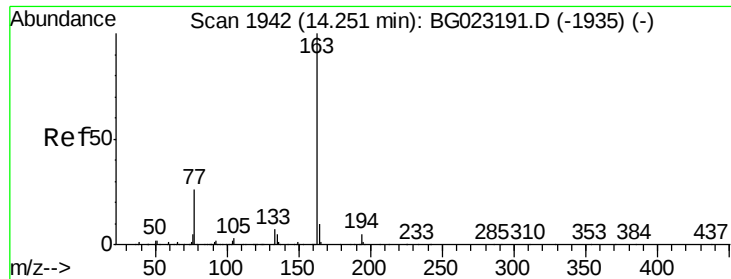
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#42
2-Nitroaniline
Concen: 2.63 ng/ul
RT: 13.89 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
65	100		
92	60.3	67.1	100.7#
138	68.8	109.6	164.4#





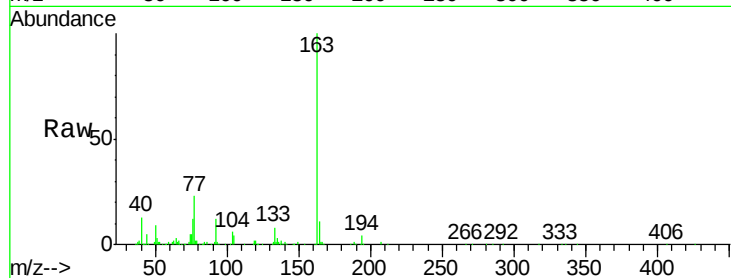
#44
Dimethylphthalate
Concen: 3.11 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	11.1	8.8	13.2

Manual Integrations

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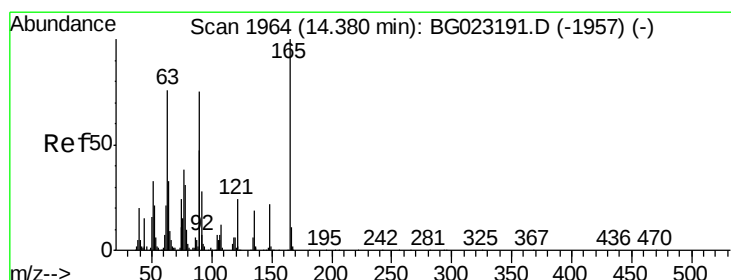
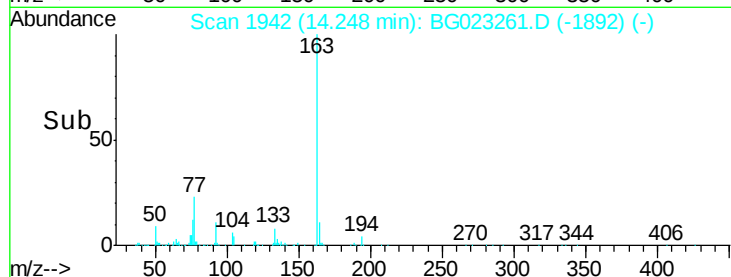
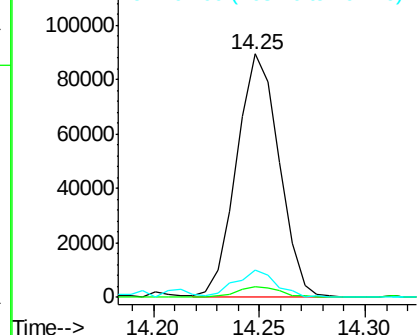


Abundance

Ion 163.00 (162.70 to 163.70): E

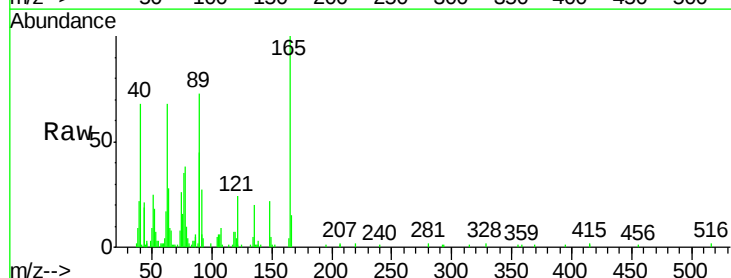
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#45
2,6-Dinitrotoluene
Concen: 2.77 ng/ul
RT: 14.38 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
165	100		
89	73.1	41.5	62.3#
121	23.7	17.0	25.4

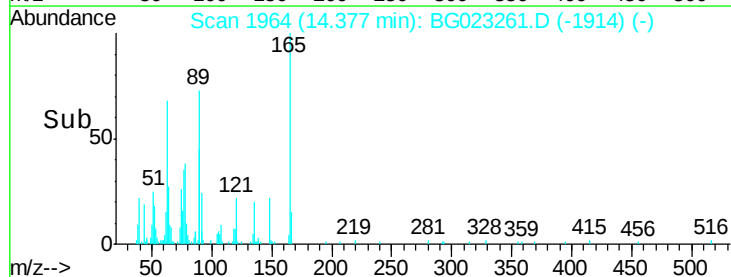
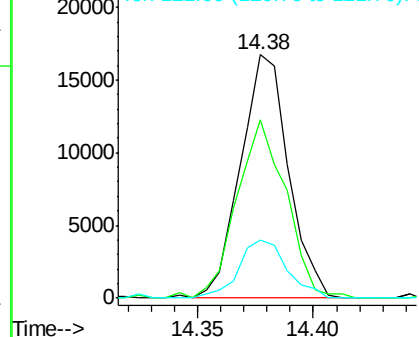


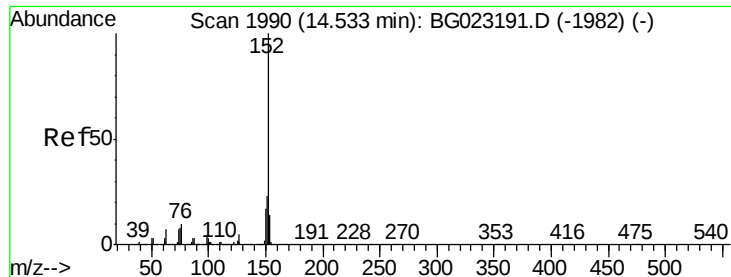
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 3.41 ng/ul

RT: 14.53 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

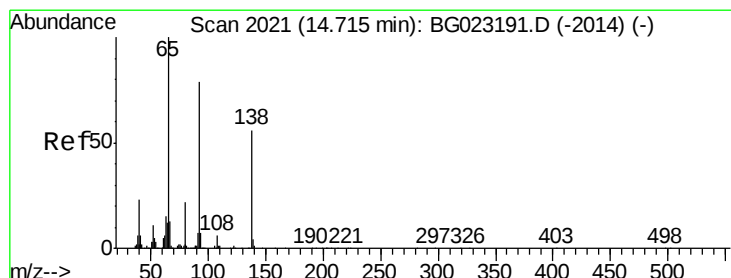
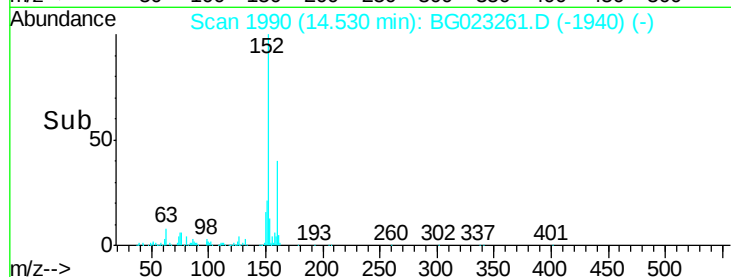
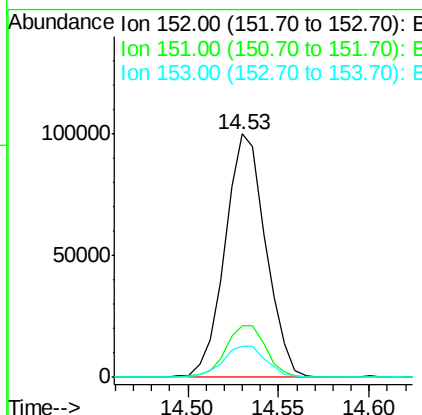
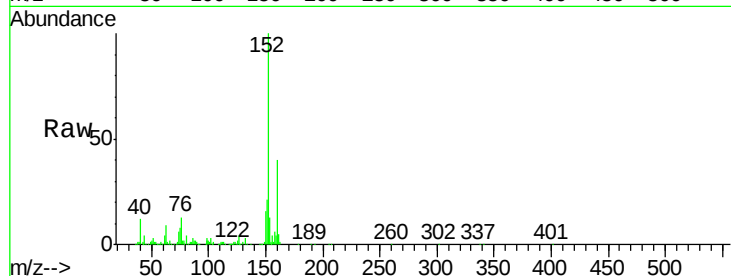
MDL-04-S-ML

Tgt Ion:	152	Resp:	155871
Ion Ratio		Lower	Upper
152	100		
151	20.9	17.5	26.3
153	12.9	11.1	16.7

Manual Integrations

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#48

3-Nitroaniline

Concen: 3.10 ng/ul

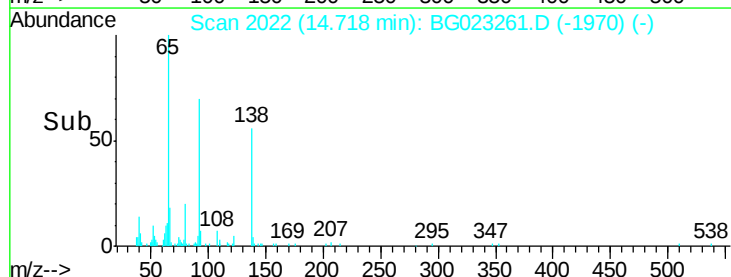
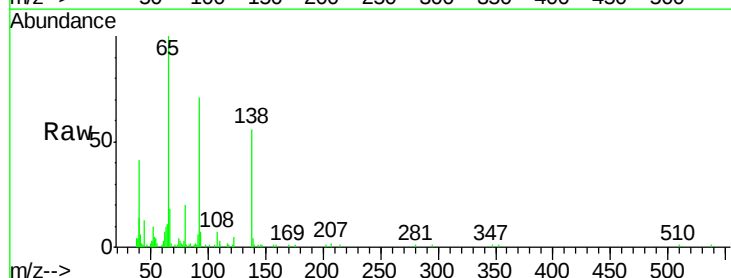
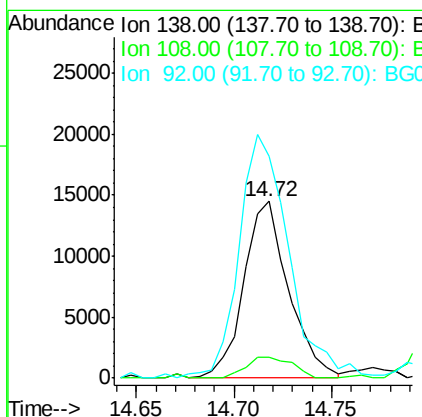
RT: 14.72 min Scan# 2022

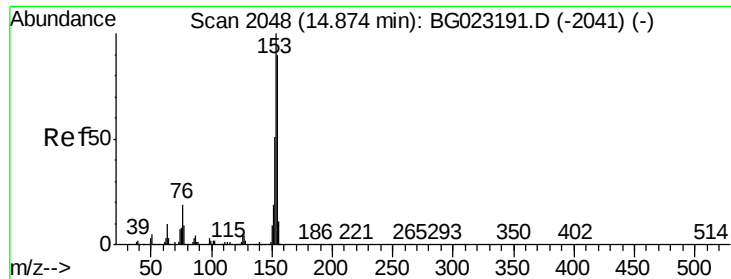
Delta R.T. 0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	138	Resp:	23122
Ion Ratio		Lower	Upper
138	100		
108	12.0	6.2	9.2#
92	125.2	79.3	118.9#





#49

Acenaphthene

Concen: 3.19 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

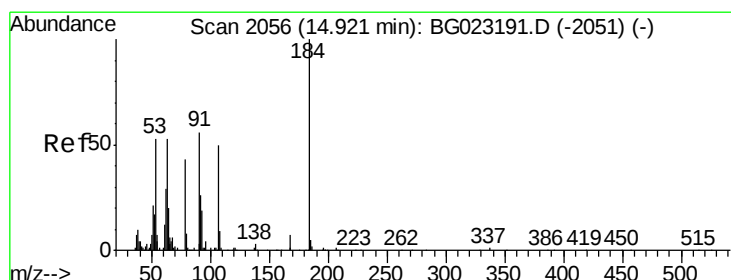
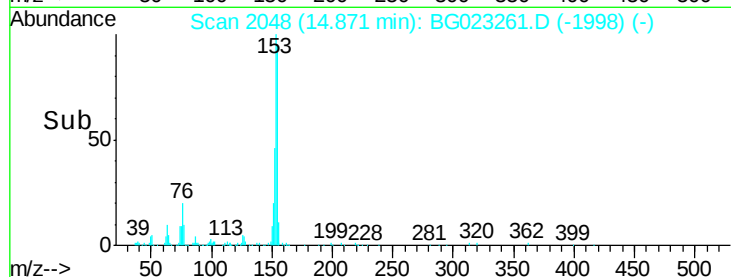
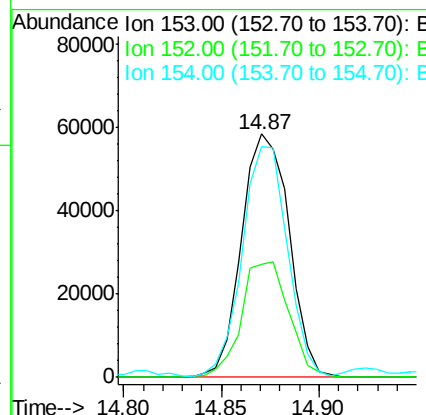
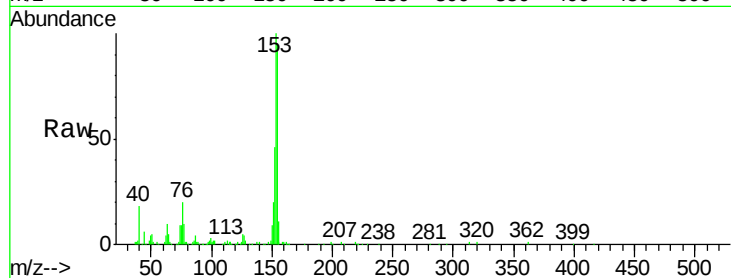
MDL-04-S-ML

Tgt Ion:	153	Resp:	98688
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.3	55.9
154	94.8	68.2	102.2

Manual Integrations

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#50

2,4-Dinitrophenol

Concen: 1.00 ng/ul

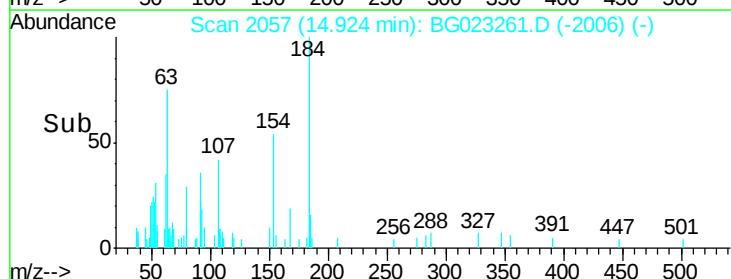
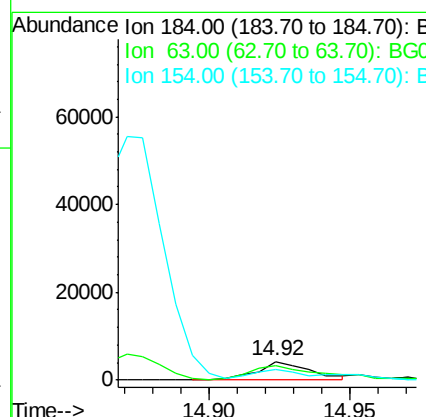
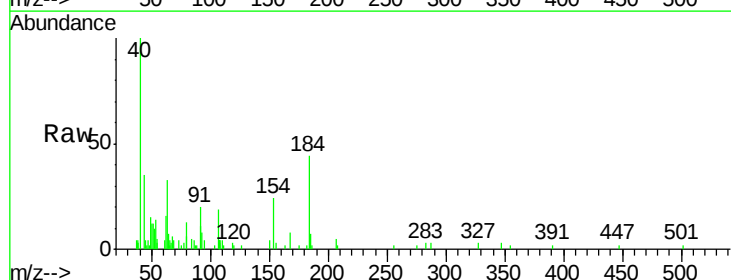
RT: 14.92 min Scan# 2057

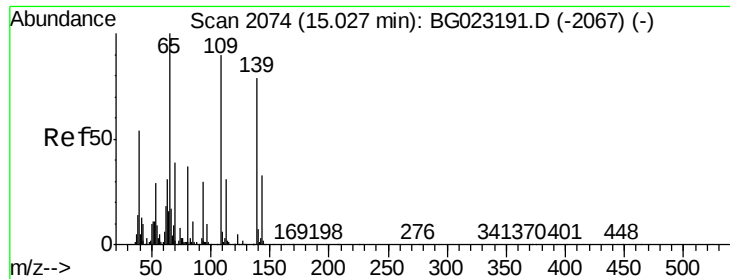
Delta R.T. 0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	184	Resp:	5498
Ion Ratio	Lower	Upper	
184	100		
63	75.1	40.5	60.7#
154	53.8	48.5	72.7





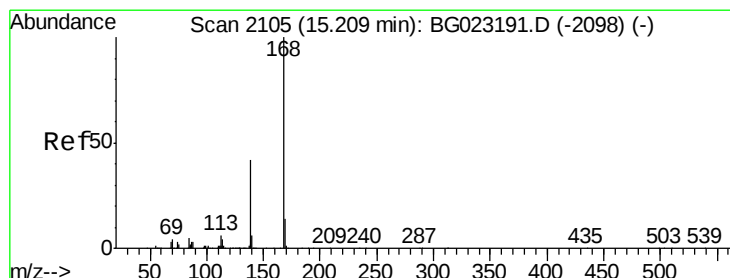
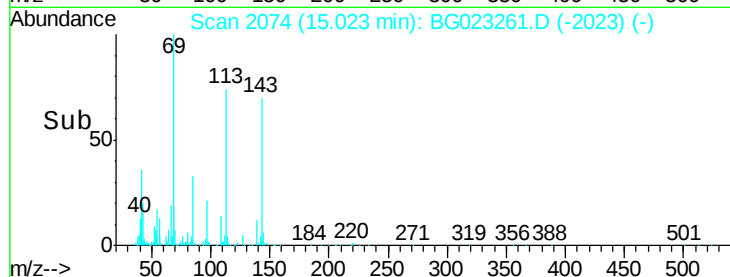
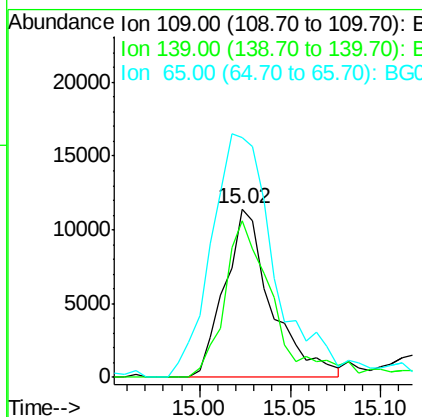
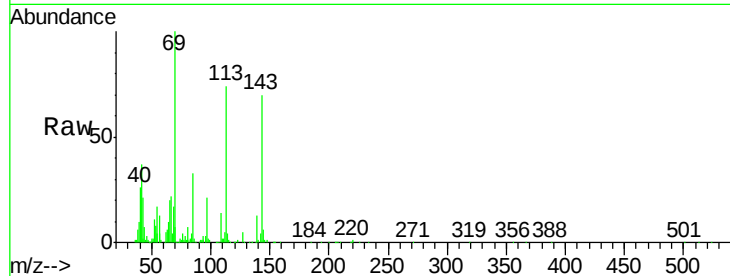
#52
4-Nitrophenol
Concen: 2.46 ng/ul
RT: 15.02 min Scan# 2074
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
109	100		
139	93.4	136.1	204.1#
65	142.9	106.0	159.0

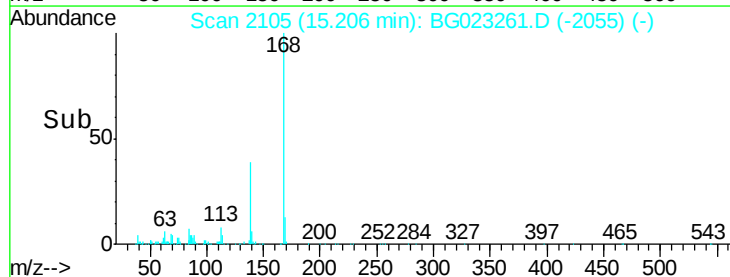
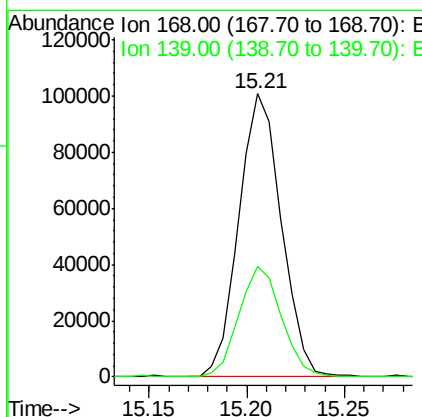
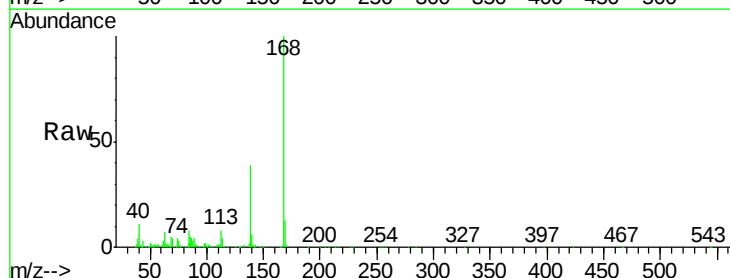
Manual Integrations

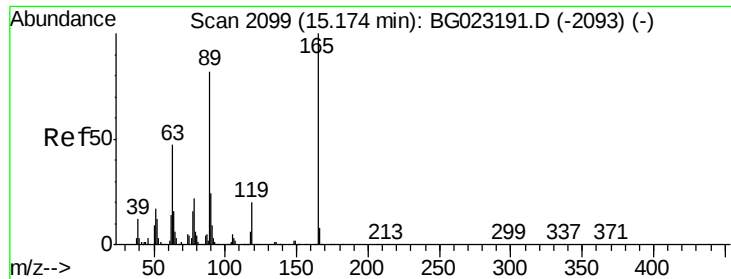
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#53
Dibenzofuran
Concen: 3.34 ng/ul
RT: 15.21 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.9	27.4	41.0





#54

2,4-Dinitrotoluene

Concen: 2.88 ng/ul

RT: 15.17 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

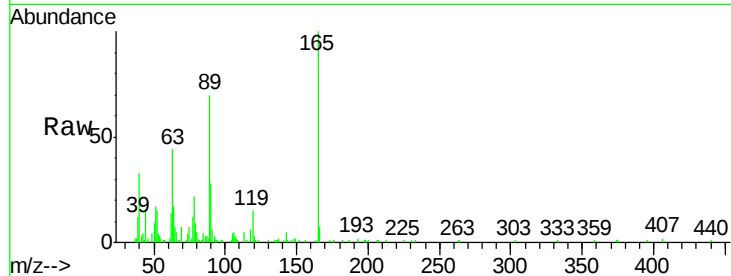
MDL-04-S-ML

Tgt Ion:	165	Resp:	38403
Ion Ratio	Lower	Upper	
165	100		
63	44.1	25.7	38.5#
182	0.9	2.1	3.1#

Manual Integrations

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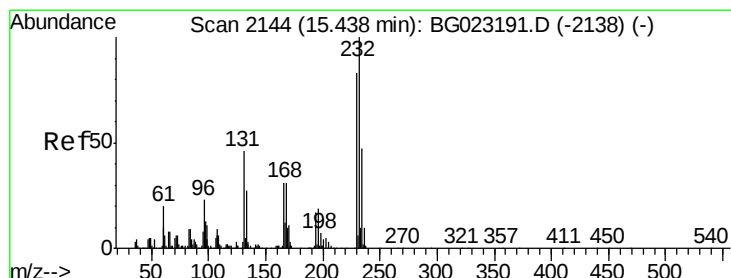
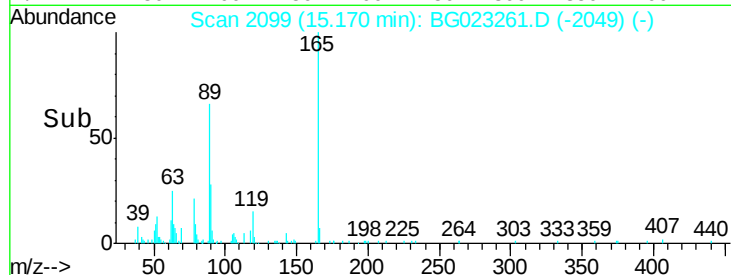
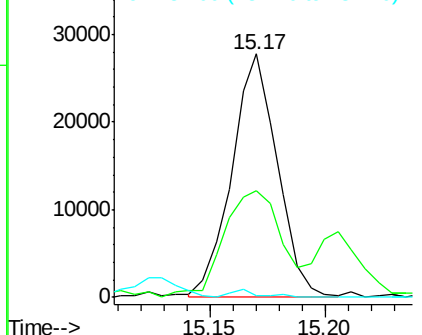
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 2.20 ng/ul

RT: 15.43 min Scan# 2144

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

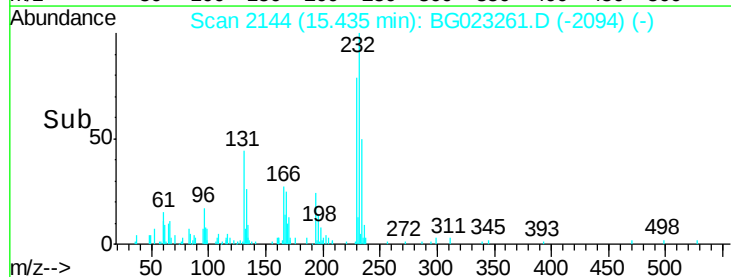
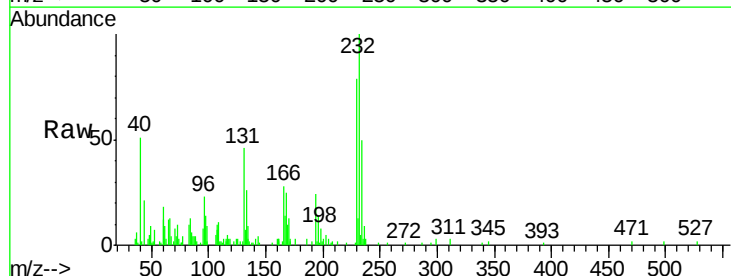
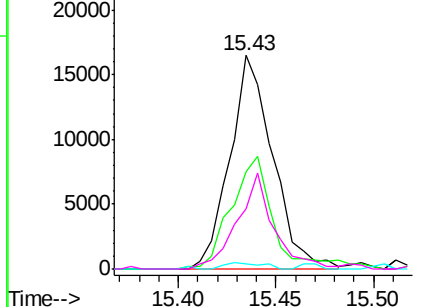
Tgt Ion:	232	Resp:	25061
Ion Ratio	Lower	Upper	
232	100		
131	45.6	34.8	52.2
130	2.4	2.2	3.2
166	28.4	23.8	35.6

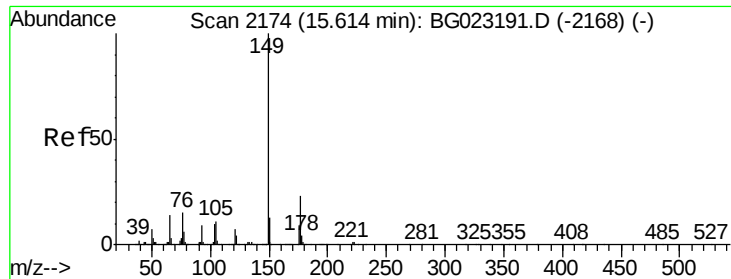
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#56

Diethylphthalate

Concen: 3.17 ng/ul

RT: 15.62 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

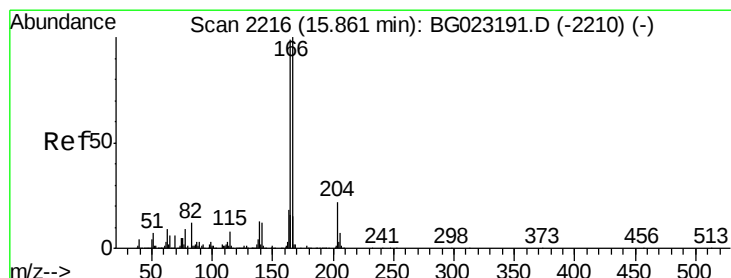
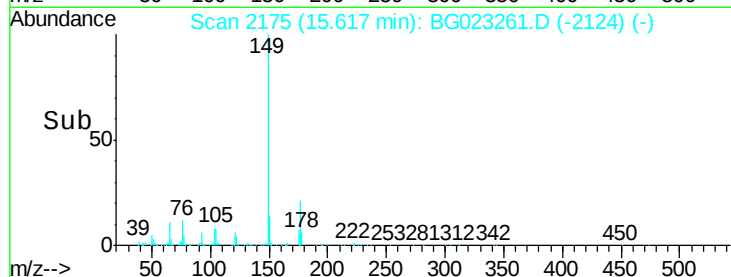
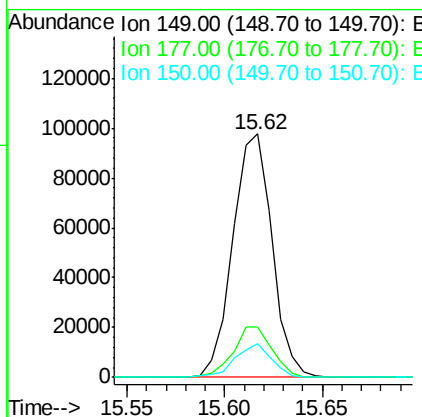
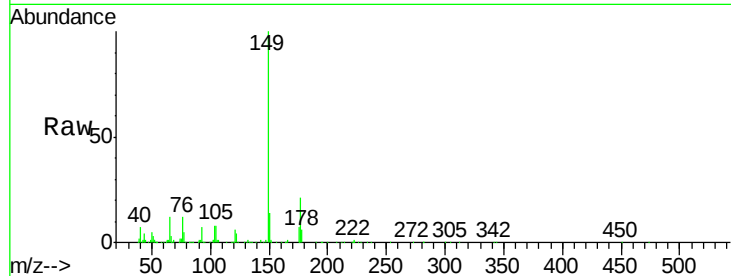
MDL-04-S-ML

Tgt Ion:	149	Resp:	135962
Ion Ratio	Lower	Upper	
149	100		
177	20.7	17.4	26.2
150	13.8	9.6	14.4

Manual Integrations

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#58

Fluorene

Concen: 3.30 ng/ul

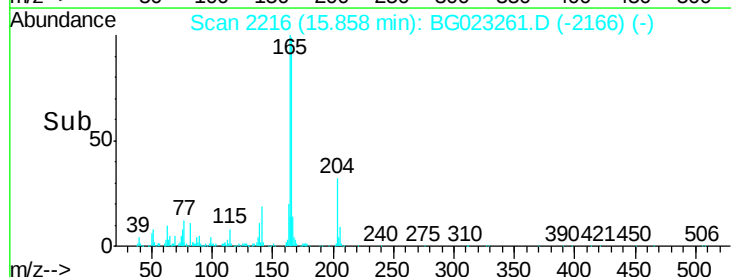
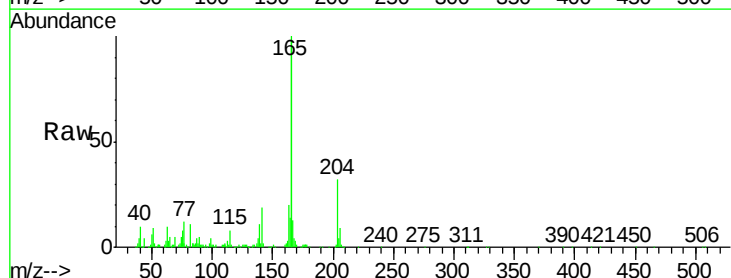
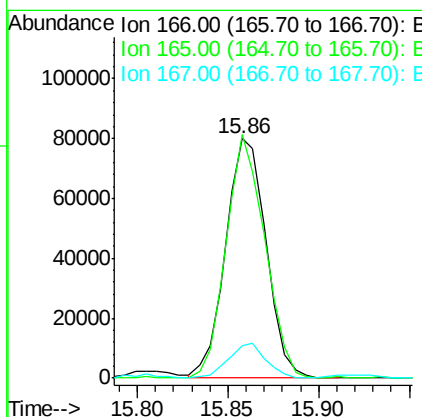
RT: 15.86 min Scan# 2216

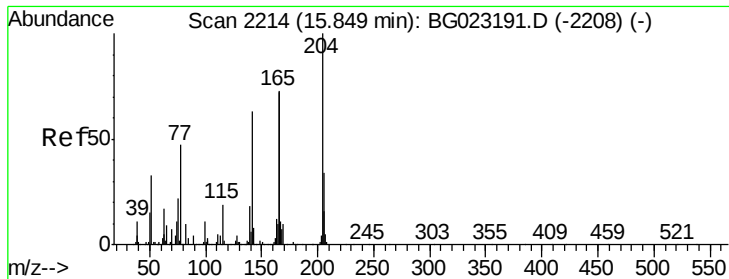
Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	166	Resp:	123978
Ion Ratio	Lower	Upper	
166	100		
165	101.8	80.3	120.5
167	13.7	10.3	15.5





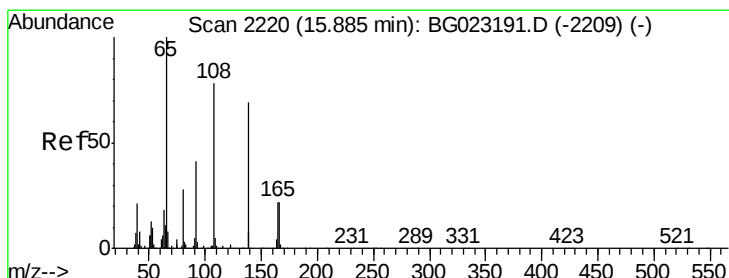
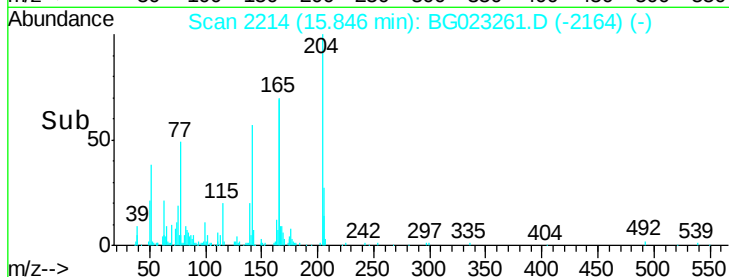
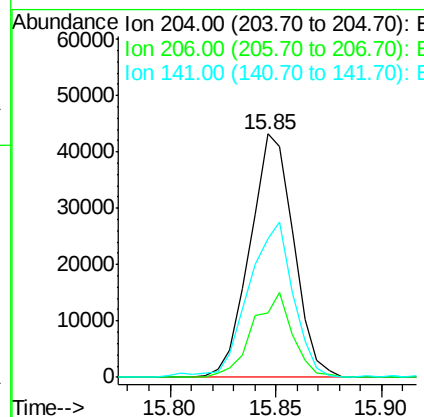
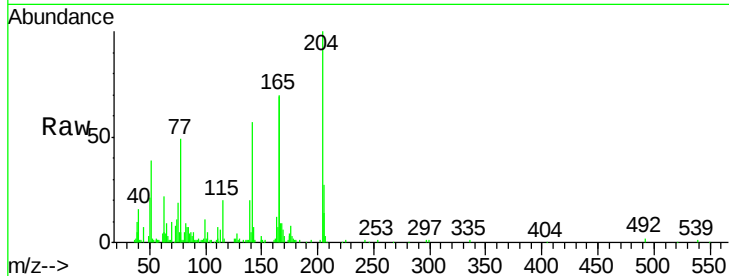
#59
4-Chlorophenyl-phenylether
Concen: 3.01 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
204	100		
206	26.6	27.4	41.2#
141	57.1	47.1	70.7

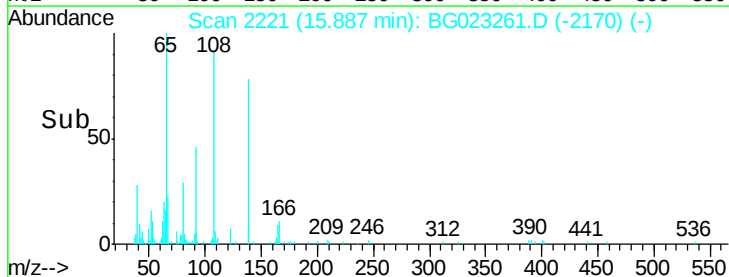
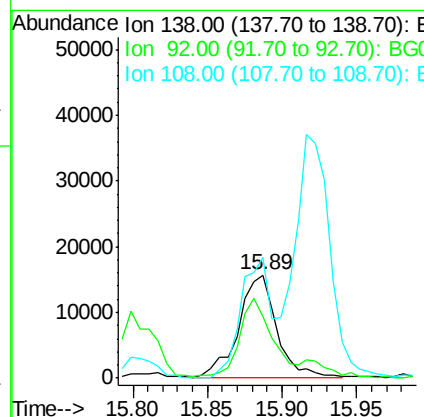
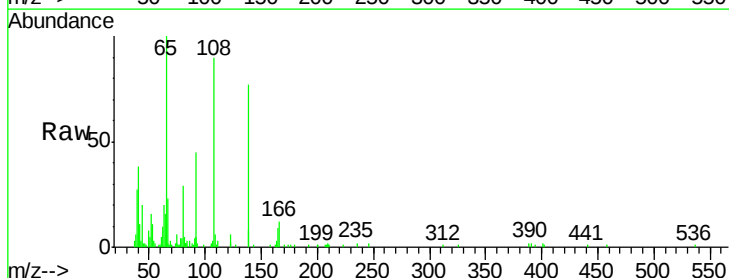
Manual Integrations

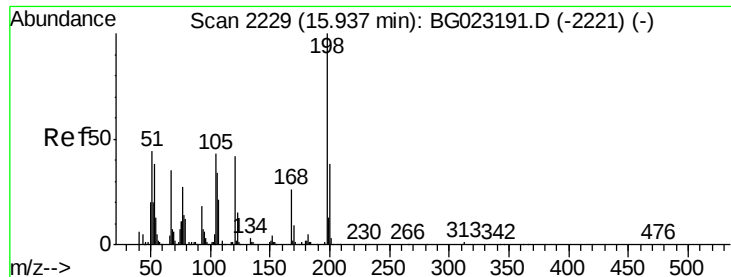
APPROVED
SOHIL
7/26/2016 11:41:08 AM



#60
4-Nitroaniline
Concen: 3.07 ng/ul
RT: 15.89 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
138	100		
92	59.4	39.0	58.4#
108	117.3	49.2	73.8#





#63

4,6-Dinitro-2-methylphenol

Concen: 3.05 ng/ul m

RT: 15.93 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

MDL-04-S-ML

Tgt Ion:198 Resp: 24360

Ion Ratio Lower Upper

198 100

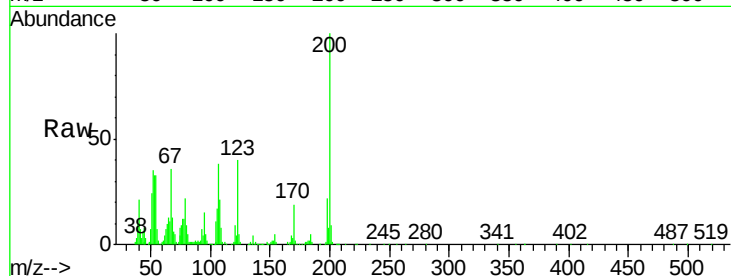
182 10.2 4.2 6.2#

77 54.1 16.7 25.1#

Manual Integrations

SOHIL

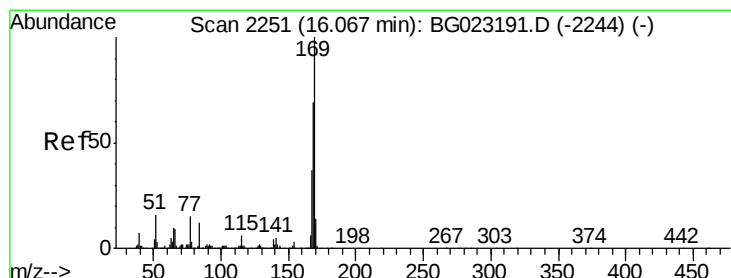
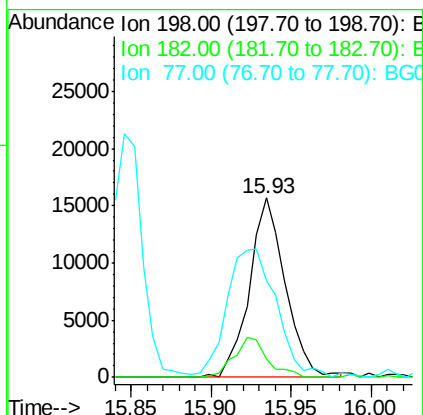
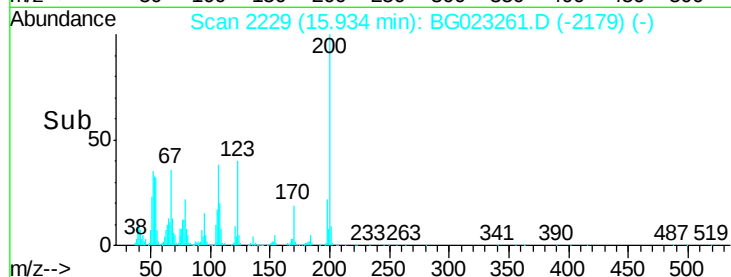
7/26/2016 11:41:08 AM



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): B



#64

N-Nitrosodiphenylamine

Concen: 3.39 ng/ul

RT: 16.06 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

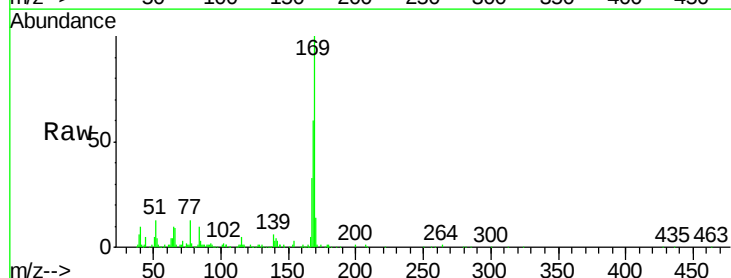
Tgt Ion:169 Resp: 107552

Ion Ratio Lower Upper

169 100

168 60.2 59.0 88.6

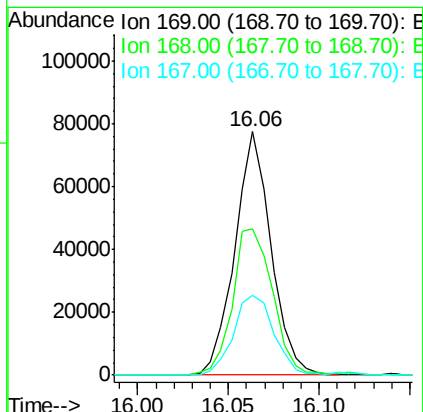
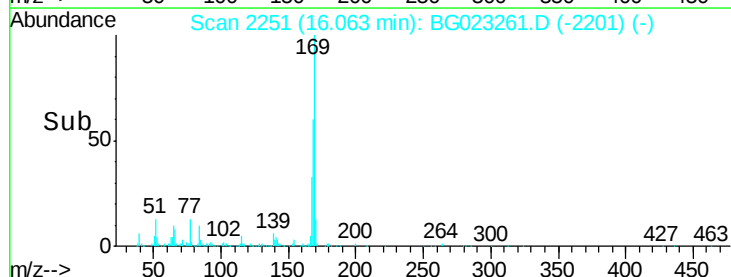
167 32.7 30.6 46.0

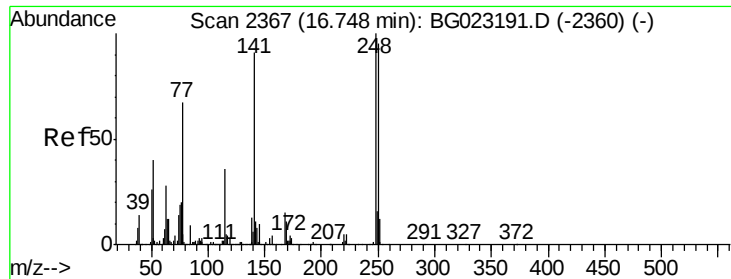


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





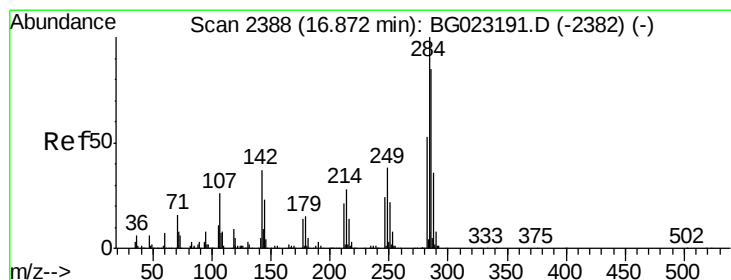
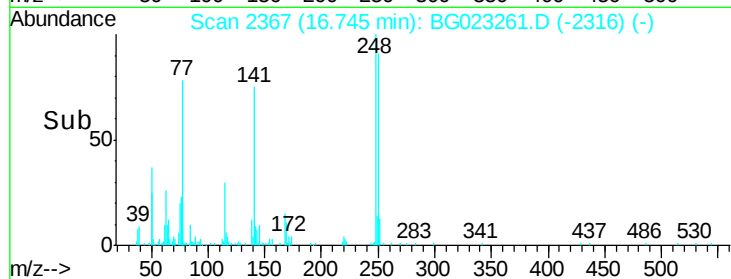
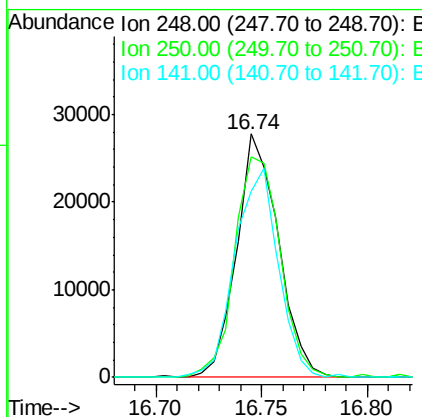
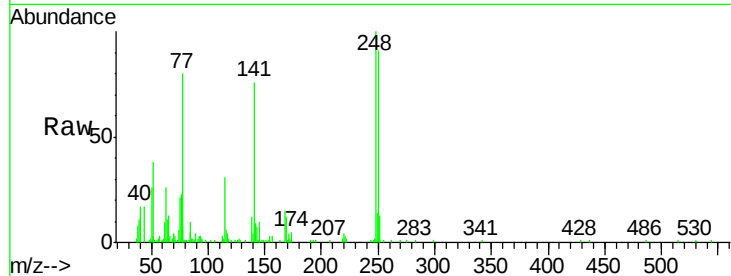
#65
4-Bromophenyl-phenylether
Concen: 3.01 ng/ul
RT: 16.74 min Scan# 2367
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
248	100		
250	90.8	76.6	114.8
141	76.5	61.8	92.6

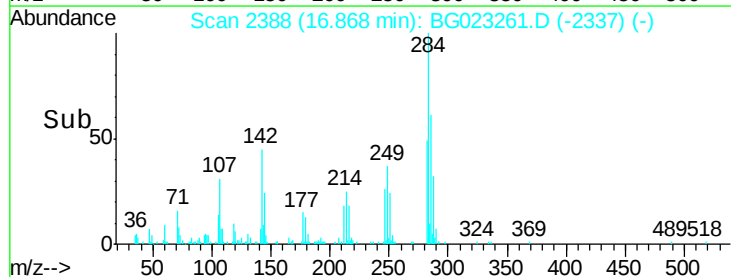
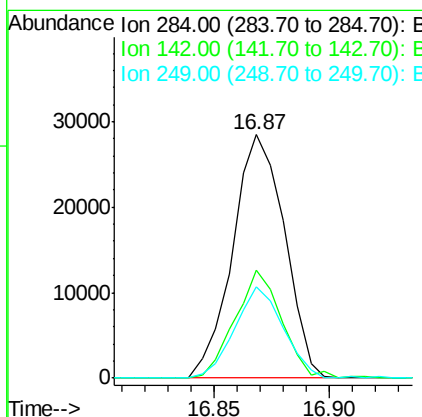
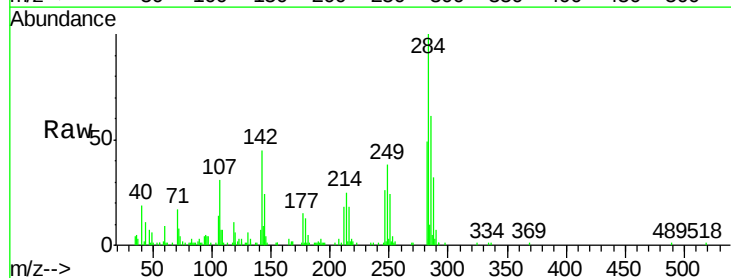
Manual Integrations

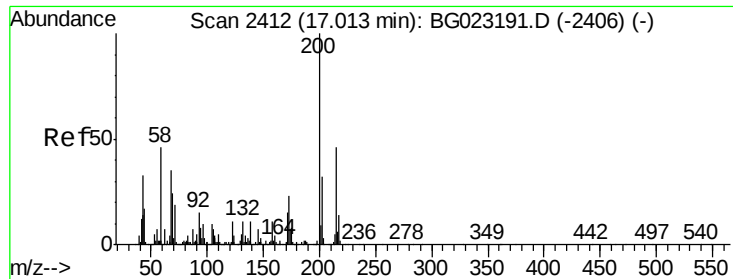
SOHIL
7/26/2016 11:41:08 AM



#66
Hexachlorobenzene
Concen: 3.44 ng/ul
RT: 16.87 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.5	27.8	41.8
249	34.3	24.4	36.6





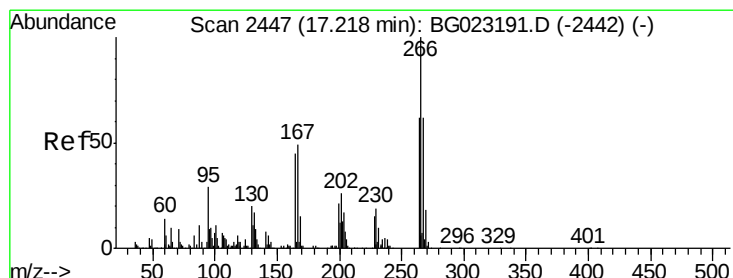
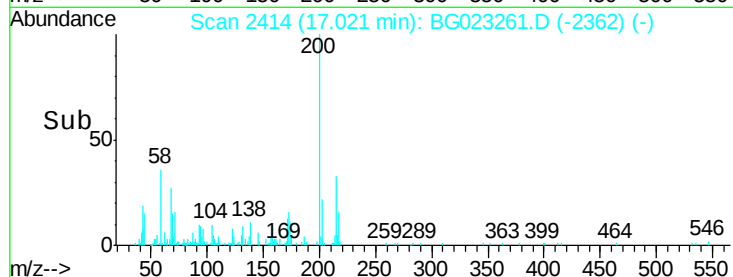
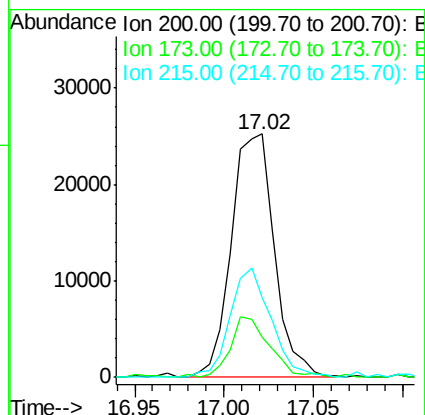
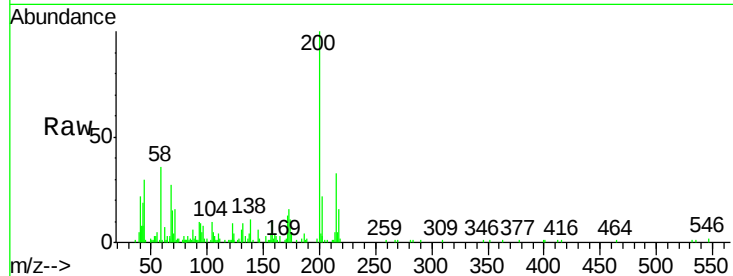
#67
Atrazine
Concen: 3.12 ng/ul m
RT: 17.02 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
200	100		
173	16.5	21.0	31.6#
215	33.0	37.9	56.9#

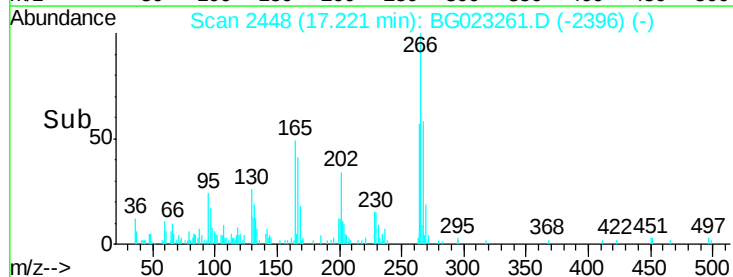
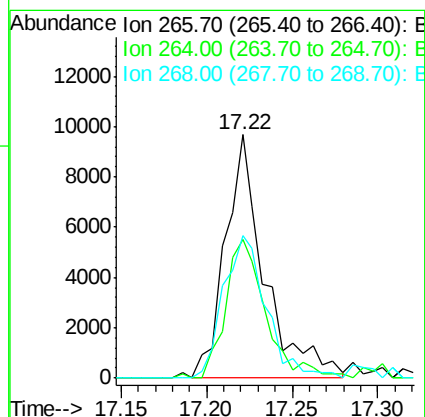
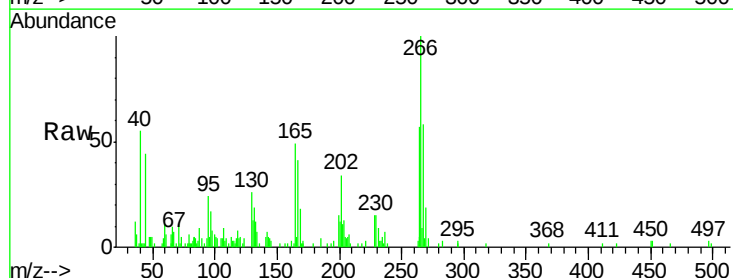
Manual Integrations

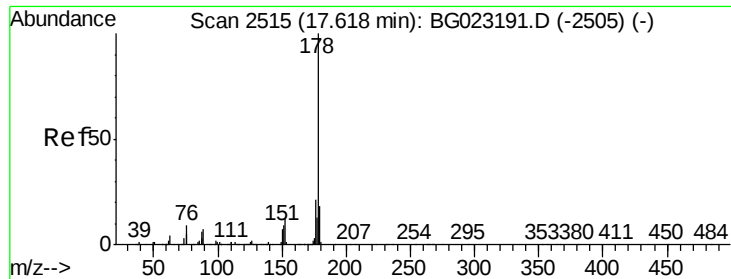
SOHIL
7/26/2016 11:41:08 AM



#68
Pentachlorophenol
Concen: 1.93 ng/ul m
RT: 17.22 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
266	100		
264	56.8	54.7	82.1
268	58.4	57.8	86.8





#69

Phenanthrene

Concen: 3.62 ng/ul m

RT: 17.61 min Scan# 2515

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

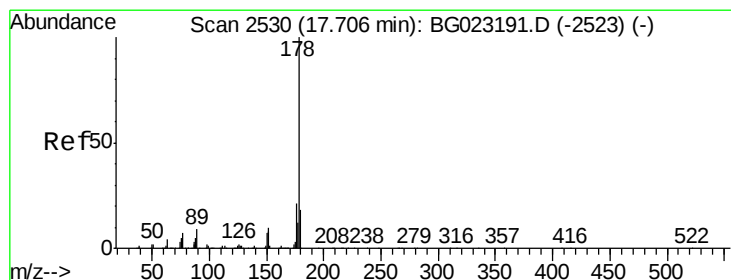
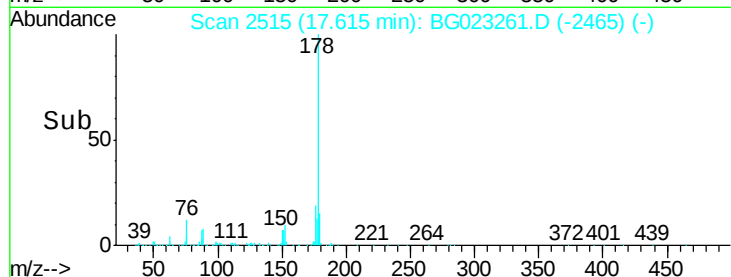
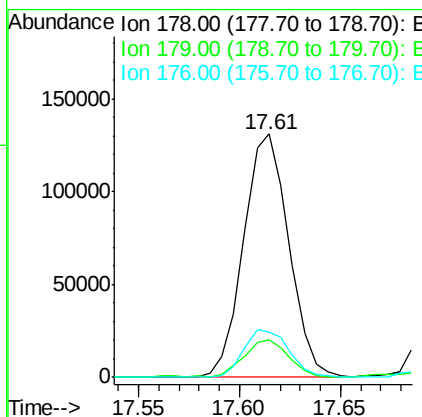
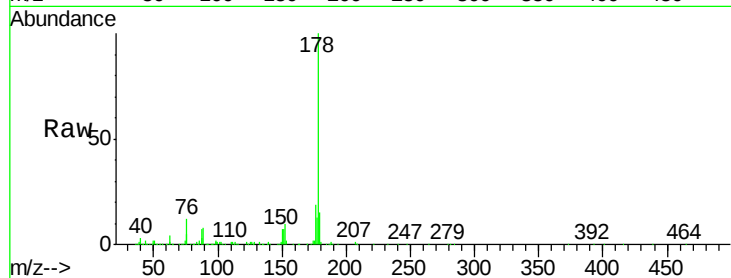
MDL-04-S-ML

Tgt Ion:	178	Resp:	204903
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.9	19.3
176	18.7	15.8	23.8

Manual Integrations

SOHIL

7/26/2016 11:41:08 AM



#71

Anthracene

Concen: 3.47 ng/ul

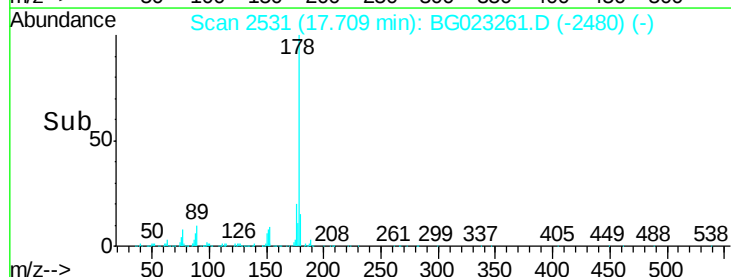
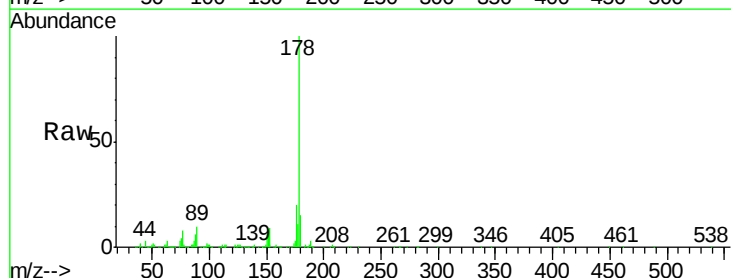
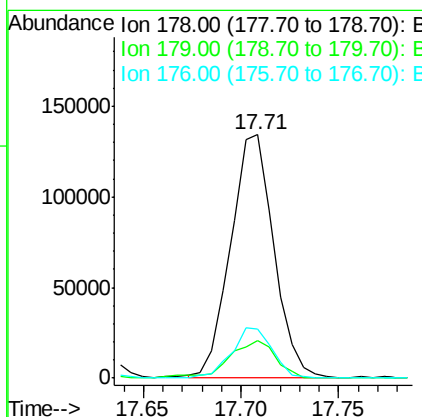
RT: 17.71 min Scan# 2531

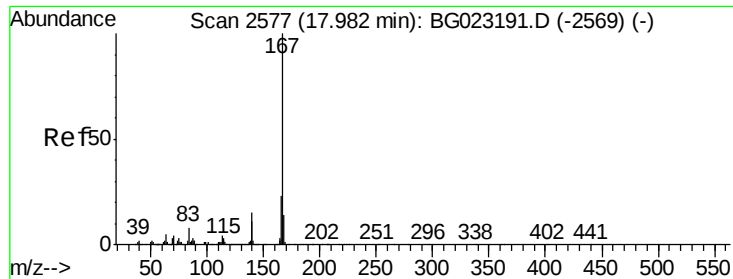
Delta R.T. 0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	178	Resp:	205993
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.3	18.5
176	19.9	16.3	24.5





#72

Carbazole

Concen: 3.64 ng/ul

RT: 17.98 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

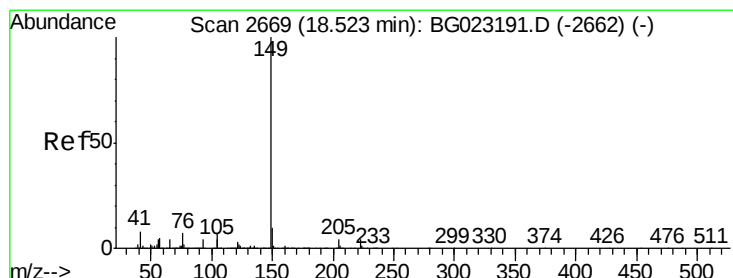
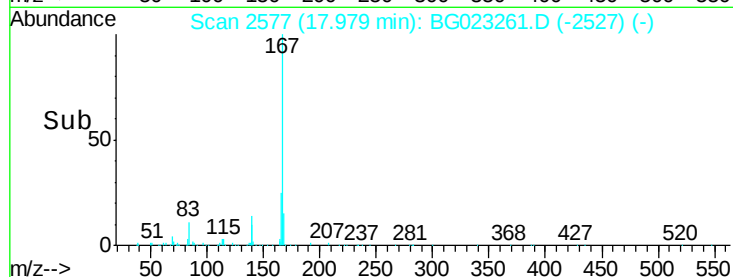
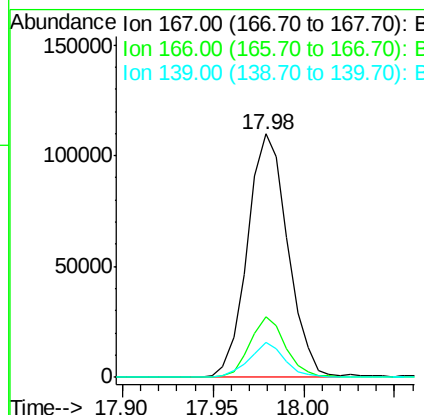
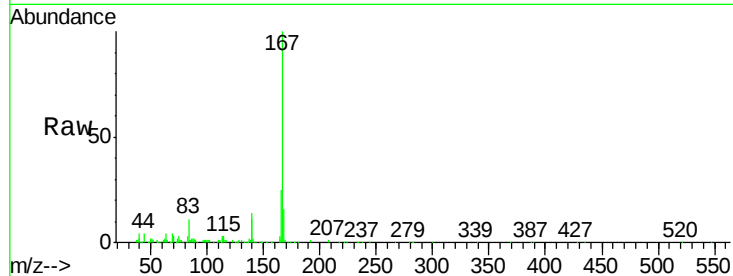
MDL-04-S-ML

Tgt Ion:	167	Resp:	169923
Ion Ratio	Lower	Upper	
167	100		
166	25.0	19.2	28.8
139	14.4	10.2	15.4

Manual Integrations

SOHIL

7/26/2016 11:41:08 AM



#73

Di-n-butylphthalate

Concen: 3.31 ng/ul m

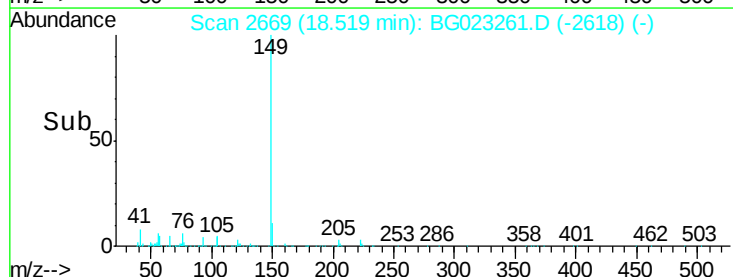
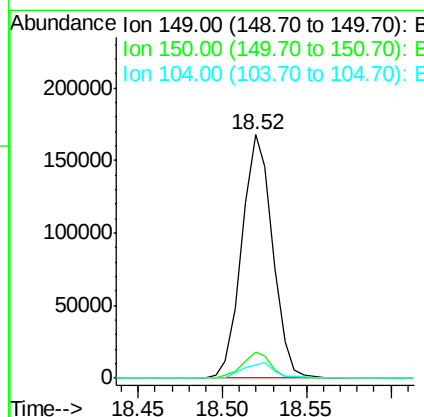
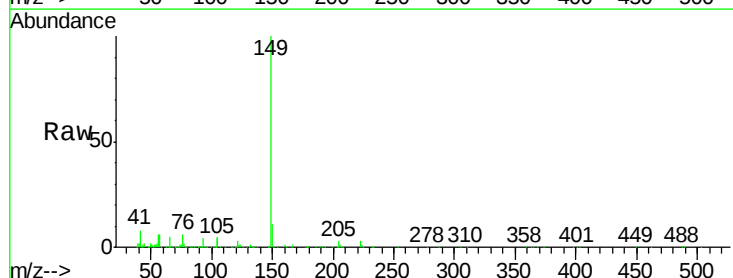
RT: 18.52 min Scan# 2669

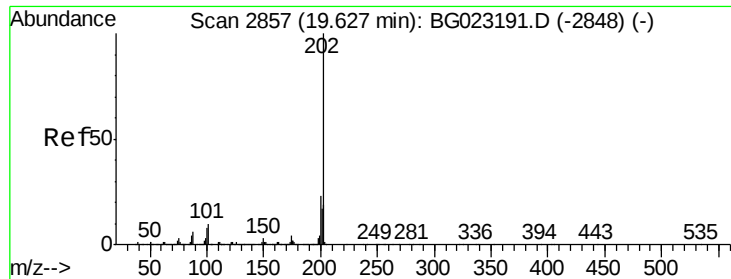
Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	149	Resp:	214448
Ion Ratio	Lower	Upper	
149	100		
150	10.9	7.1	10.7#
104	5.2	3.3	4.9#





#74

Fluoranthene

Concen: 3.96 ng/ul m

RT: 19.62 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

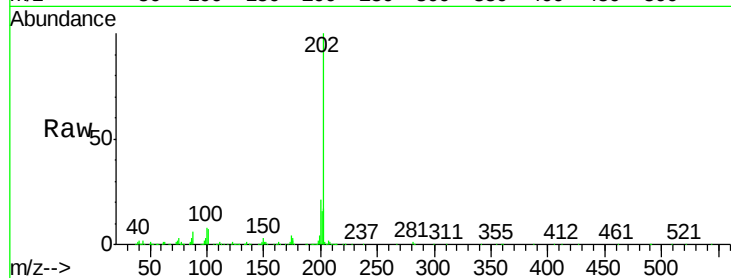
MDL-04-S-ML

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	7.4	10.6	16.0#	
100	7.6	8.7	13.1#	

Manual Integrations

SOHIL

7/26/2016 11:41:08 AM

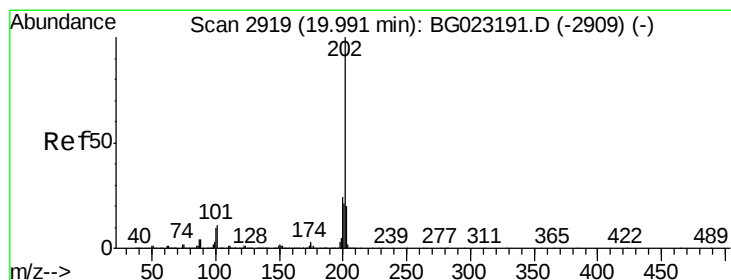
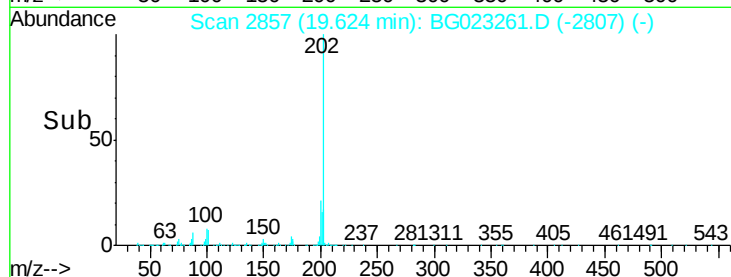


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time--> 19.55 19.60 19.65



#77

Pyrene

Concen: 3.67 ng/ul m

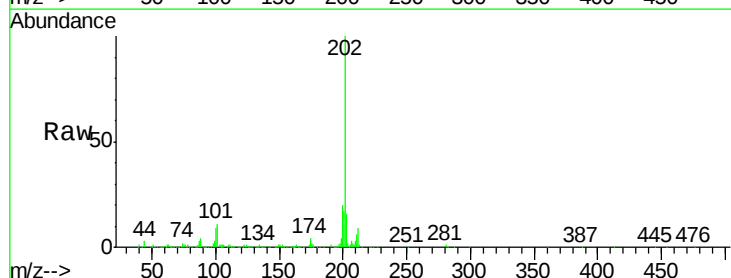
RT: 19.99 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.8	12.5	18.7#	
100	8.8	10.2	15.4#	

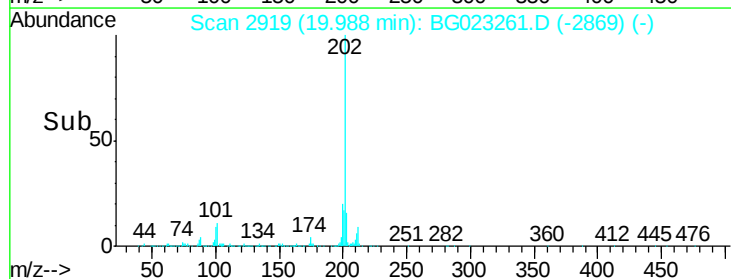


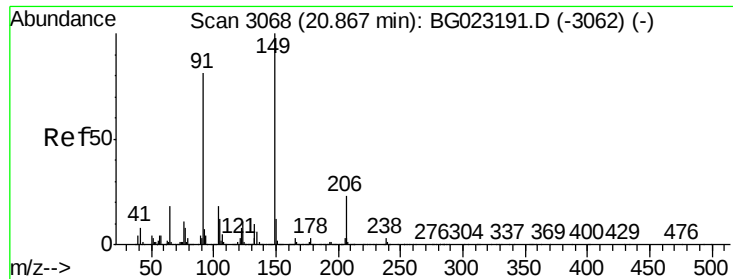
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time--> 19.90 19.95 20.00 20.05





#78

Butylbenzylphthalate

Concen: 2.84 ng/ul m

RT: 20.86 min Scan# 3068

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

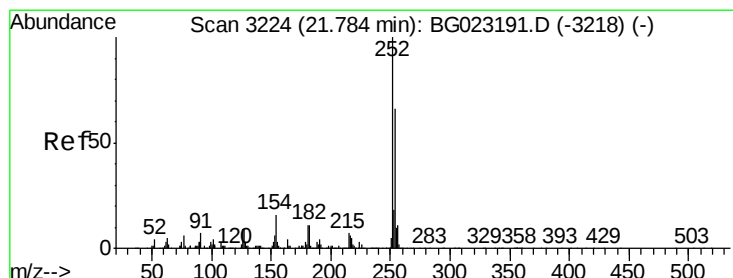
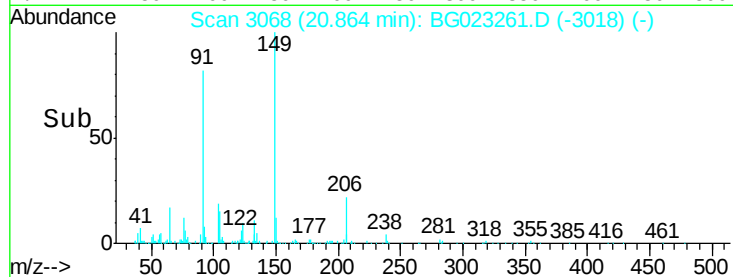
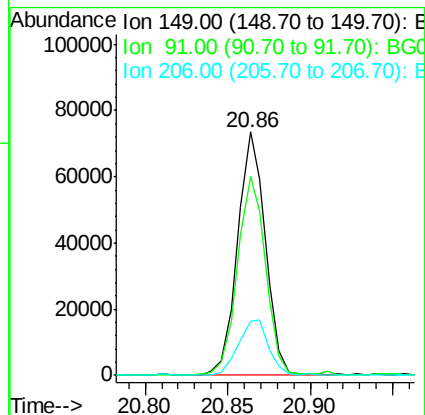
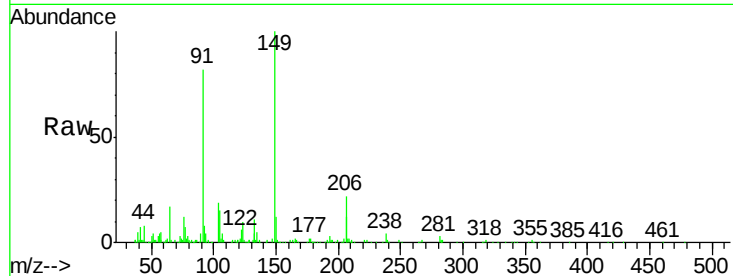
MDL-04-S-ML

Tgt Ion:	149	Resp:	87165
Ion Ratio	Lower	Upper	
149	100		
91	81.7	54.2	81.4#
206	22.5	14.1	21.1#

Manual Integrations

SOHIL

7/26/2016 11:41:08 AM



#79

3,3'-Dichlorobenzidine

Concen: 2.56 ng/ul

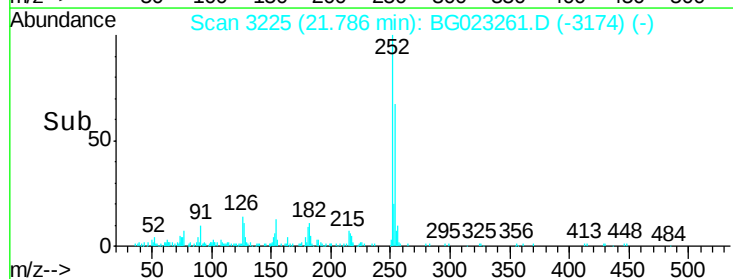
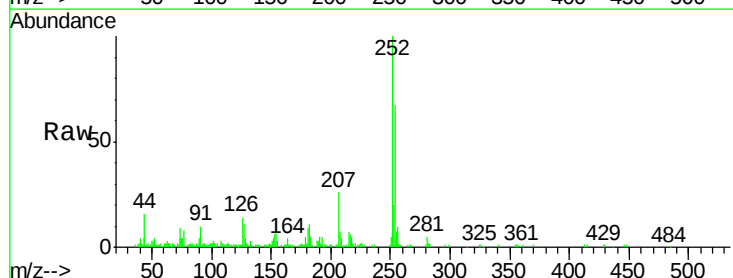
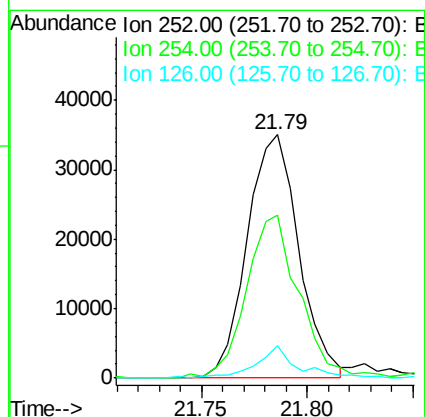
RT: 21.79 min Scan# 3225

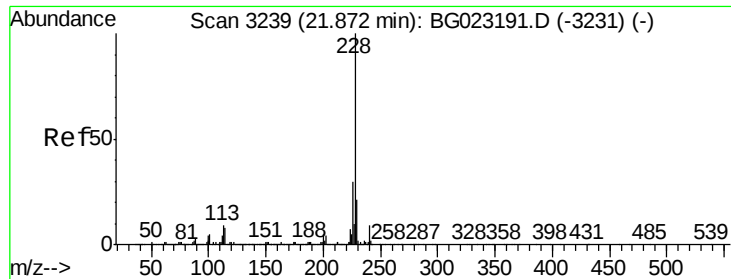
Delta R.T. 0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	252	Resp:	59524
Ion Ratio	Lower	Upper	
252	100		
254	67.0	51.4	77.2
126	13.5	10.7	16.1





#80

Benzo(a)anthracene

Concen: 3.43 ng/ul m

RT: 21.87 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

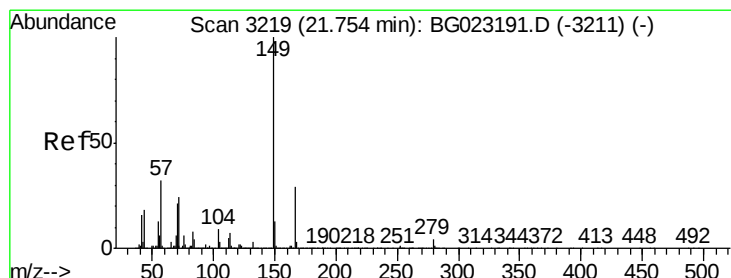
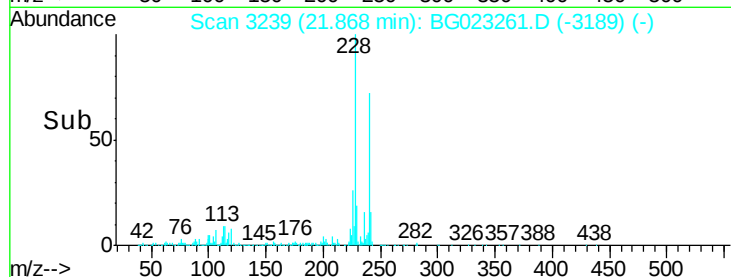
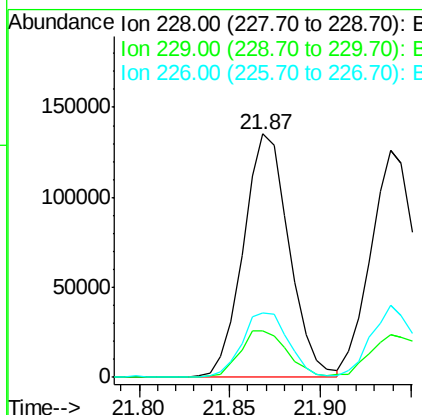
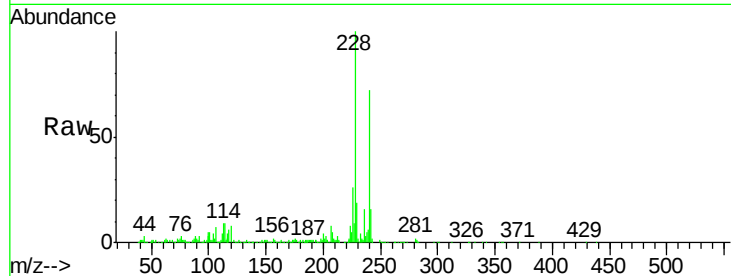
MDL-04-S-ML

Tgt Ion:	228	Resp:	237315
Ion Ratio	Lower	Upper	
228	100		
229	19.3	15.4	23.2
226	26.2	22.8	34.2

Manual Integrations

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7/26/2016 11:41:08 AM



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.08 ng/ul

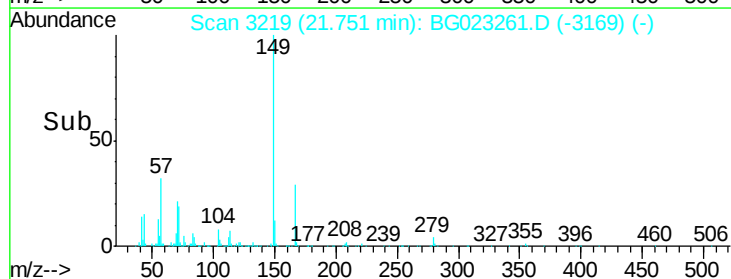
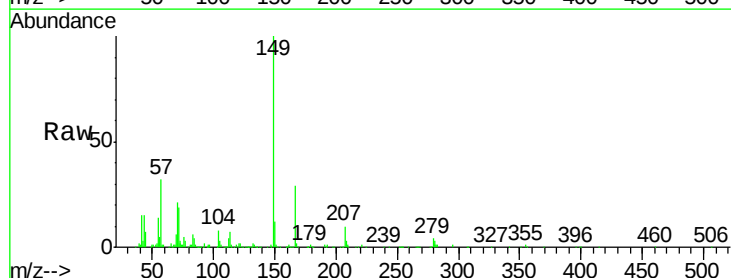
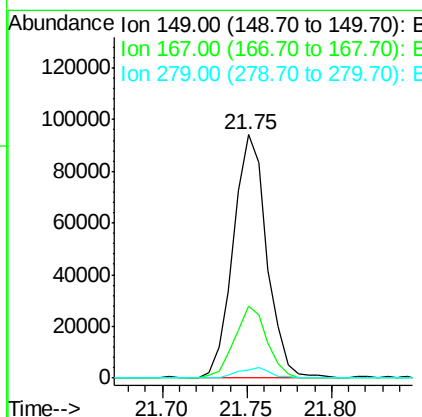
RT: 21.75 min Scan# 3219

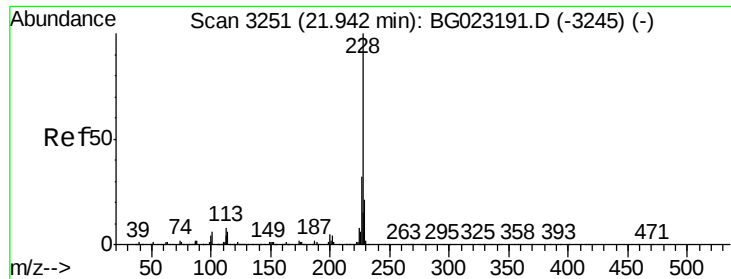
Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:	149	Resp:	129343
Ion Ratio	Lower	Upper	
149	100		
167	29.4	21.9	32.9
279	3.5	2.9	4.3





#82

Chrysene

Concen: 3.45 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Instrument :

BNA_G

ClientSampleId :

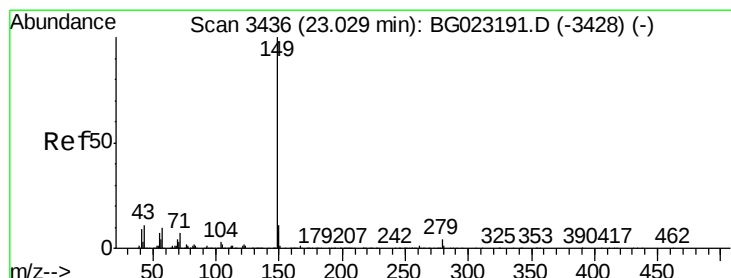
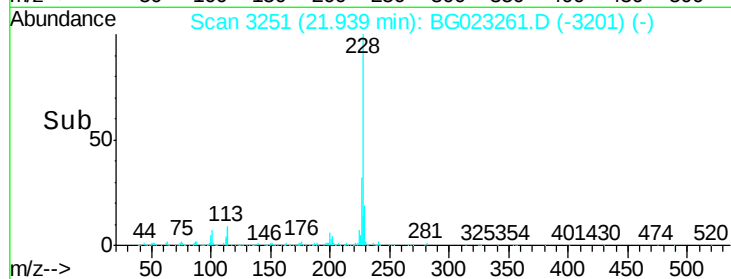
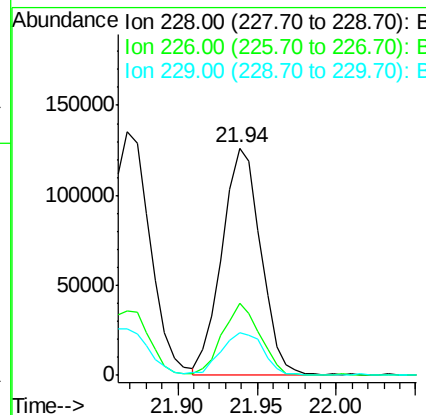
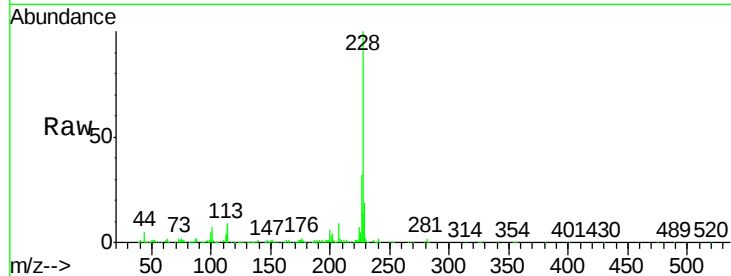
MDL-04-S-ML

Tgt Ion:	228	Resp:	216323
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.2	36.4
229	18.8	15.0	22.6

Manual Integrations

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7/26/2016 11:41:08 AM



#84

Di-n-octyl phthalate

Concen: 3.39 ng/ul

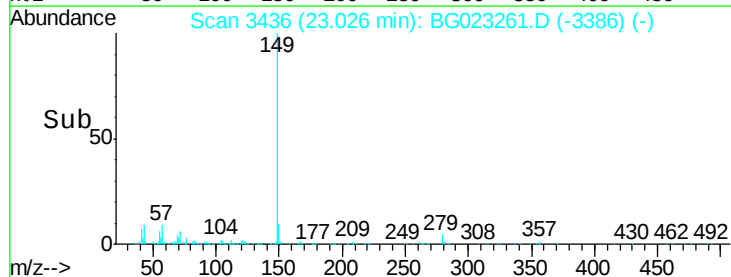
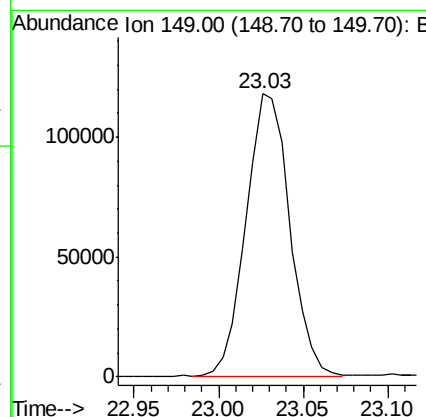
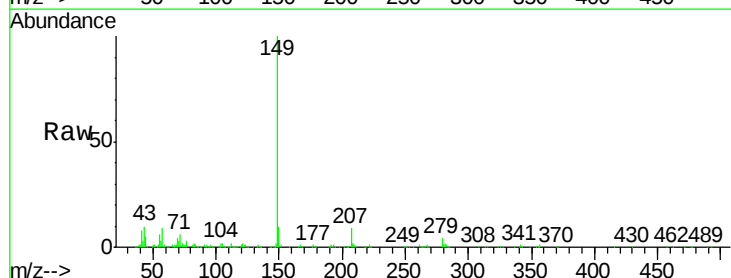
RT: 23.03 min Scan# 3436

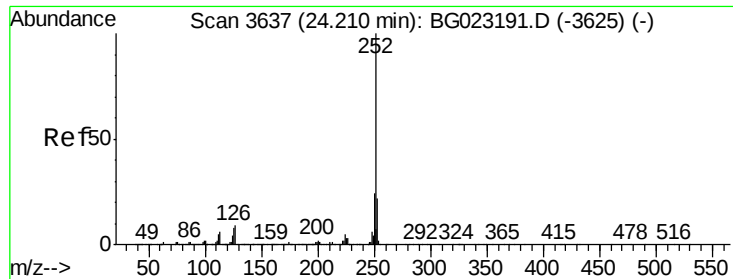
Delta R.T. -0.00 min

Lab File: BG023261.D

Acq: 25 Jul 2016 21:20

Tgt Ion:149 Resp: 213907





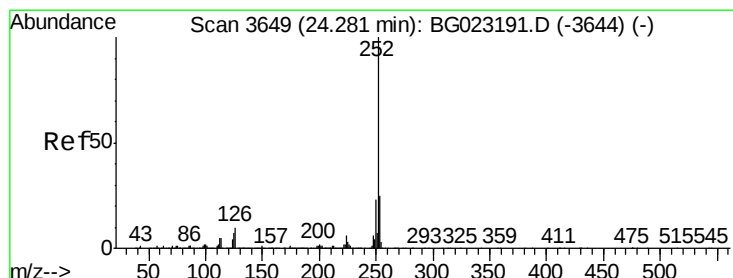
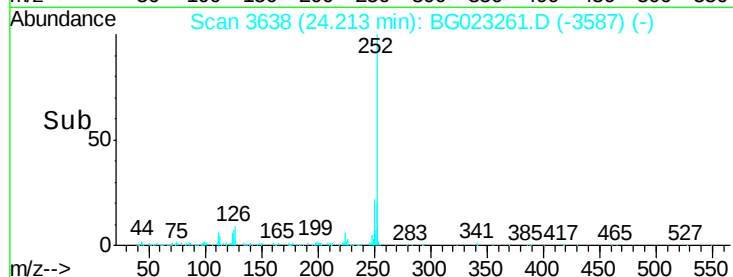
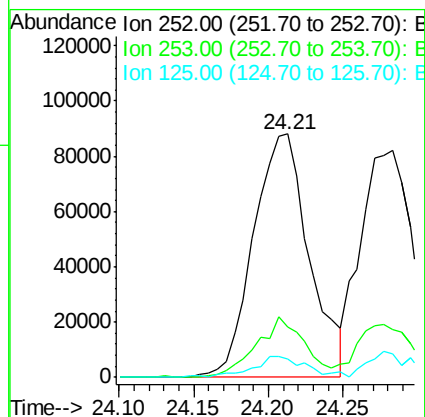
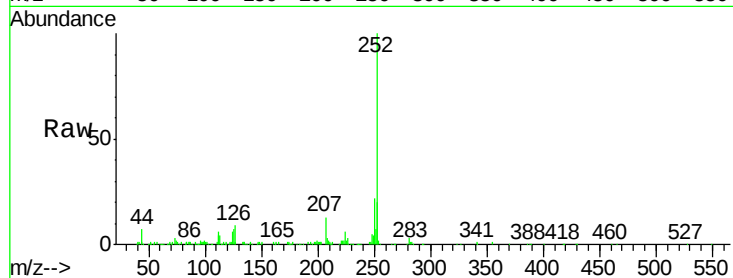
#85
Benzo(b)fluoranthene
Concen: 3.30 ng/ul
RT: 24.21 min Scan# 3638
Delta R.T. 0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.2	27.2
125	7.3	10.8	16.2#

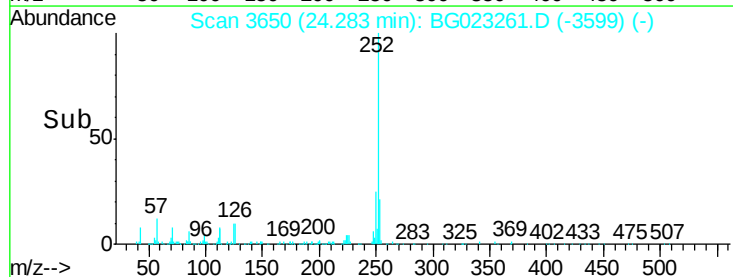
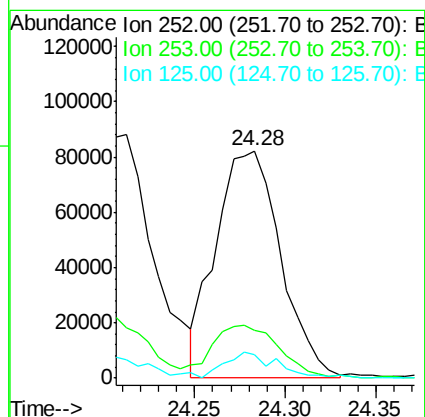
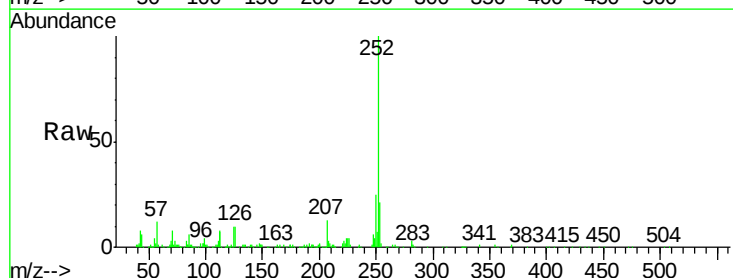
Manual Integrations

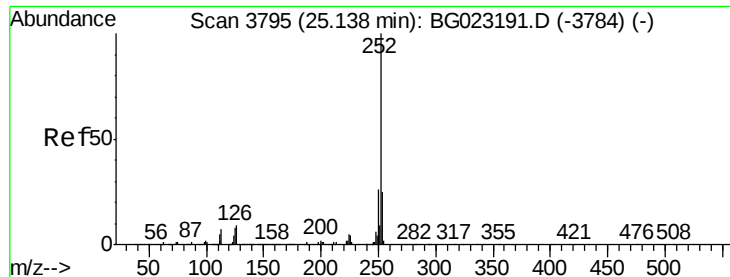
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7/26/2016 11:41:08 AM



#86
Benzo(k)fluoranthene
Concen: 3.12 ng/ul
RT: 24.28 min Scan# 3650
Delta R.T. 0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	15.8	23.6
125	10.3	10.6	16.0#





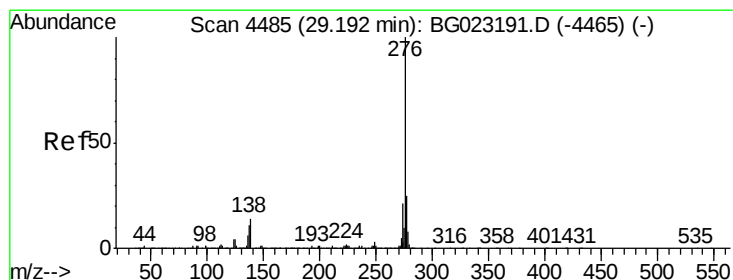
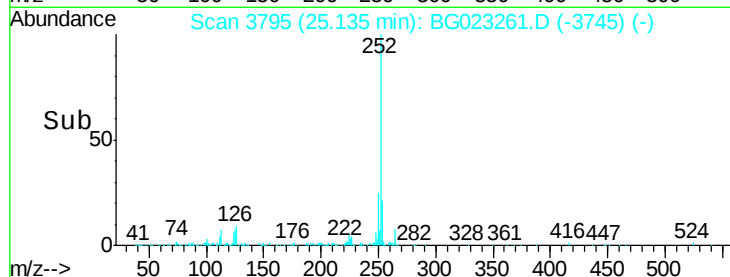
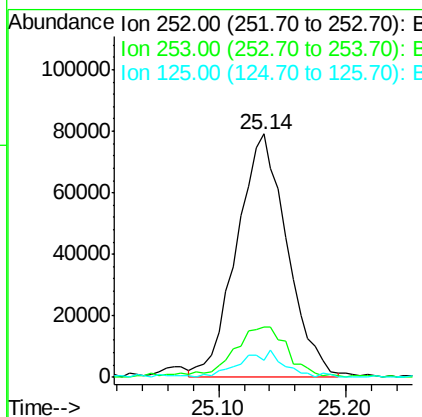
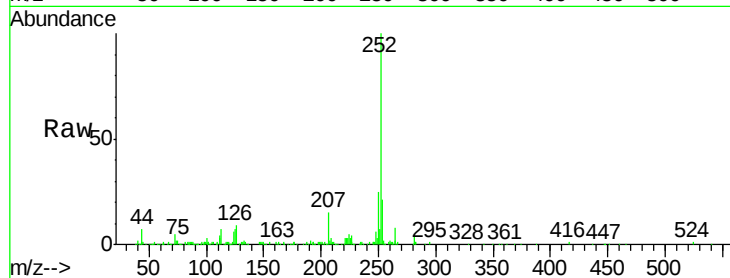
#88
Benzo(a)pyrene
Concen: 3.31 ng/ul
RT: 25.14 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	19.0	28.4
125	6.9	12.0	18.0

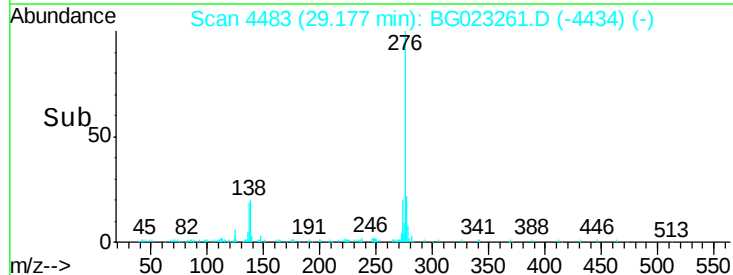
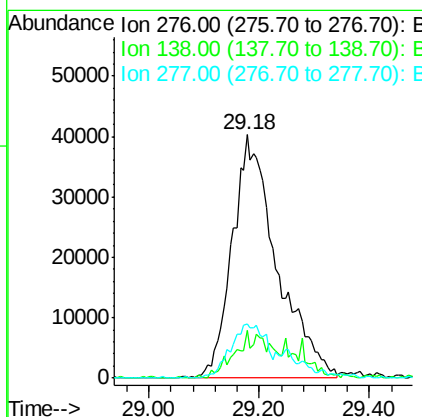
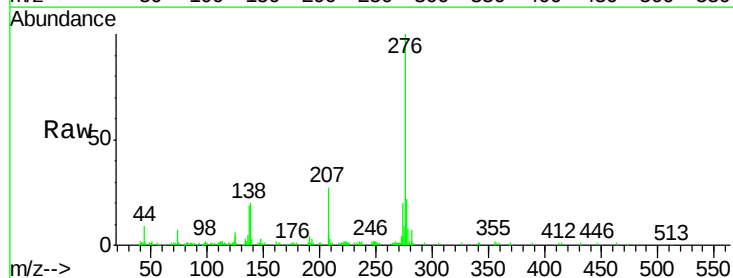
Manual Integrations

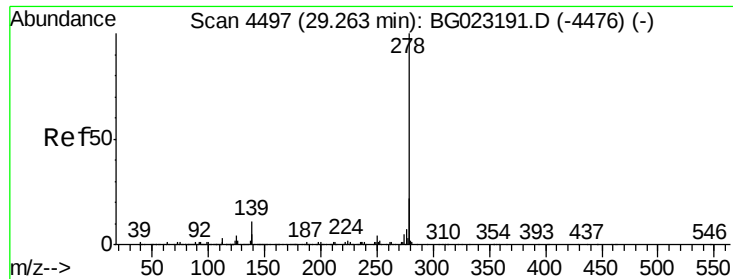
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7/26/2016 11:41:08 AM



#89
Indeno(1,2,3-cd)pyrene
Concen: 3.05 ng/ul m
RT: 29.18 min Scan# 4483
Delta R.T. -0.02 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	20.8	31.2
277	22.0	17.6	26.4





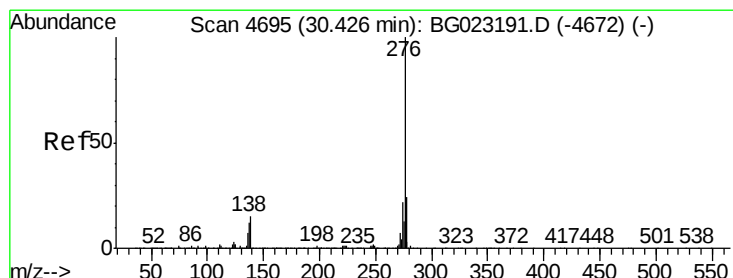
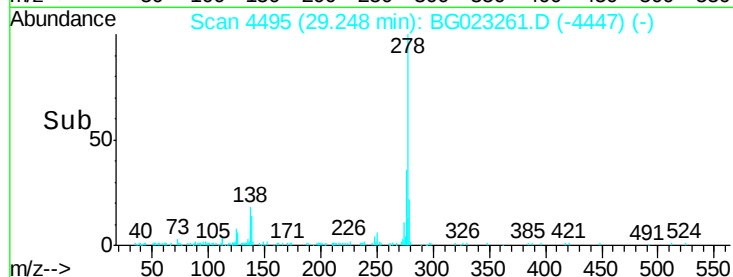
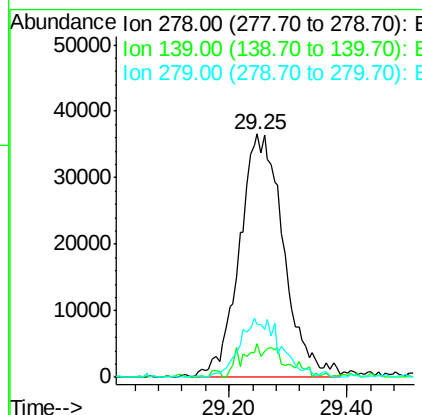
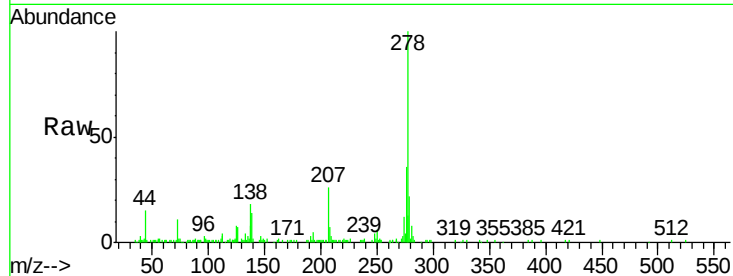
#90
Dibenzo(a,h)anthracene
Concen: 3.12 ng/ul m
RT: 29.25 min Scan# 4495
Delta R.T. -0.02 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.7	16.3	24.5#
279	21.6	19.1	28.7

Manual Integrations

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7/26/2016 11:41:08 AM



#91
Benzo(g,h,i)perylene
Concen: 3.11 ng/ul m
RT: 30.40 min Scan# 4691
Delta R.T. -0.03 min
Lab File: BG023261.D
Acq: 25 Jul 2016 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	22.1	33.1#
277	22.2	17.0	25.4

