

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
 Data File : BG023250.D
 Acq On : 25 Jul 2016 13:01
 Operator : UM/SJ
 Sample : MDL-02-S
 Misc : MDL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-02-S

Manual Integrations

APPROVED
 SOHIL
 7/26/2016 11:40:34 AM

Quant Time: Jul 25 14:26:35 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	115855	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	557087	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	405234	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	972175m	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	1003356m	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	979660	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	9251	3.61	ng/uL	0.00
5) Phenol-d5	7.29	99	382475	32.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	283226	35.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	269866	33.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	304047	32.71	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	155898	34.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	172124	33.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	301067	30.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	399196	39.41	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1182743	35.11	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1353370	35.34	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	169070	28.44	ng/ul	0.00
57) Fluorene-d10	15.81	176	1077387	35.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.93	200	203989m	30.50	ng/ul	0.00
70) Anthracene-d10	17.67	188	1646665	36.18	ng/ul	0.00
76) Pyrene-d10	19.96	212	1834974	35.43	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1670353	36.32	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.54	88	3058m	1.12	ng/ul
4) Benzaldehyde	7.27	77	26380	3.56	ng/ul# 81
6) Phenol	7.32	94	35847	2.88	ng/ul# 75
8) Bis(2-Chloroethyl)ether	7.55	93	26665	2.85	ng/ul# 72
10) 2-Chlorophenol	7.69	128	21623	2.62	ng/ul# 74
11) 2-Methylphenol	8.59	108	23959	2.61	ng/ul 95
12) 2,2'-oxybis(1-Chloropropan	8.68	45	41621	3.29	ng/ul 95
14) Acetophenone	8.97	105	46259	2.86	ng/ul# 68
15) N-Nitroso-di-n-propylamine	8.95	70	30158	2.83	ng/ul# 77
16) 4-Methylphenol	8.92	108	27364	2.68	ng/ul 79
17) Hexachloroethane	9.24	117	11412	2.92	ng/ul# 84
20) Nitrobenzene	9.36	77	43179	3.00	ng/ul# 81
21) Isophorone	9.88	82	74680	2.72	ng/ul# 97
23) 2-Nitrophenol	10.07	139	16001	2.88	ng/ul# 35
24) 2,4-Dimethylphenol	10.14	107	31865	2.50	ng/ul# 82
25) Bis(2-Chloroethoxy)methane	10.37	93	45482	3.00	ng/ul# 85
27) 2,4-Dichlorophenol	10.61	162	26164	2.70	ng/ul# 62
28) Naphthalene	11.03	128	87701	3.13	ng/ul 96
30) 4-Chloroaniline	11.14	127	41796	3.99	ng/ul 97
31) Hexachlorobutadiene	11.31	225	21522	2.77	ng/ul 91
32) Caprolactam	11.91	113	10089m	2.51	ng/ul
33) 4-Chloro-3-methylphenol	12.26	107	28645	2.25	ng/ul# 78
34) 2-Methylnaphthalene	12.64	142	73107	3.15	ng/ul 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.99	216	42056	3.11	ng/ul#	96
37) Hexachlorocyclopentadiene	12.98	237	18288	2.08	ng/ul	95
38) 2,4,6-Trichlorophenol	13.24	196	23330	2.49	ng/ul	87
39) 2,4,5-Trichlorophenol	13.32	196	23964	2.51	ng/ul	96
40) 1,1'-Biphenyl	13.64	154	101038	3.32	ng/ul#	85
41) 2-Chloronaphthalene	13.68	162	79183	3.23	ng/ul	96
42) 2-Nitroaniline	13.89	65	28207	2.59	ng/ul#	48
44) Dimethylphthalate	14.25	163	108687	3.18	ng/ul	97
45) 2,6-Dinitrotoluene	14.38	165	21066	2.84	ng/ul#	83
47) Acenaphthylene	14.53	152	127583	3.29	ng/ul	99
48) 3-Nitroaniline	14.72	138	18803	2.97	ng/ul#	49
49) Acenaphthene	14.87	153	85270	3.25	ng/ul	92
50) 2,4-Dinitrophenol	14.93	184	6907	1.49	ng/ul#	78
52) 4-Nitrophenol	15.03	109	17506	2.47	ng/ul#	58
53) Dibenzofuran	15.21	168	128424	3.32	ng/ul	89
54) 2,4-Dinitrotoluene	15.17	165	31387	2.78	ng/ul#	45
55) 2,3,4,6-Tetrachlorophenol	15.44	232	20423	2.12	ng/ul#	83
56) Diethylphthalate	15.61	149	110070	3.03	ng/ul	96
58) Fluorene	15.86	166	102119	3.20	ng/ul#	96
59) 4-Chlorophenyl-phenylether	15.85	204	52456	3.00	ng/ul	92
60) 4-Nitroaniline	15.88	138	23016	2.96	ng/ul#	67
63) 4,6-Dinitro-2-methylphenol	15.93	198	21439m	3.03	ng/ul	
64) N-Nitrosodiphenylamine	16.07	169	87266	3.11	ng/ul	91
65) 4-Bromophenyl-phenylether	16.75	248	35250	3.15	ng/ul	94
66) Hexachlorobenzene	16.87	284	35569	3.10	ng/ul#	91
67) Atrazine	17.02	200	32122	2.68	ng/ul	96
68) Pentachlorophenol	17.22	266	13504m	1.90	ng/ul	
69) Phenanthrene	17.61	178	170531m	3.41	ng/ul	
71) Anthracene	17.71	178	181980	3.47	ng/ul	98
72) Carbazole	17.98	167	144275	3.49	ng/ul	94
73) Di-n-butylphthalate	18.52	149	180687m	3.16	ng/ul	
74) Fluoranthene	19.63	202	201315m	3.83	ng/ul	
77) Pyrene	19.99	202	220234m	3.61	ng/ul	
78) Butylbenzylphthalate	20.87	149	72508m	2.74	ng/ul	
79) 3,3'-Dichlorobenzidine	21.79	252	54864m	2.74	ng/ul	
80) Benzo(a)anthracene	21.87	228	204263m	3.43	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.76	149	106512m	2.94	ng/ul	
82) Chrysene	21.94	228	181104	3.35	ng/ul	97
84) Di-n-octyl phthalate	23.03	149	176564	3.25	ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	196714	3.30	ng/ul#	93
86) Benzo(k)fluoranthene	24.28	252	185489	3.28	ng/ul#	89
88) Benzo(a)pyrene	25.14	252	193400m	3.41	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	193953m	3.03	ng/ul	
90) Dibenzo(a,h)anthracene	29.25	278	154415m	2.93	ng/ul	
91) Benzo(g,h,i)perylene	30.42	276	166049m	3.14	ng/ul	

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

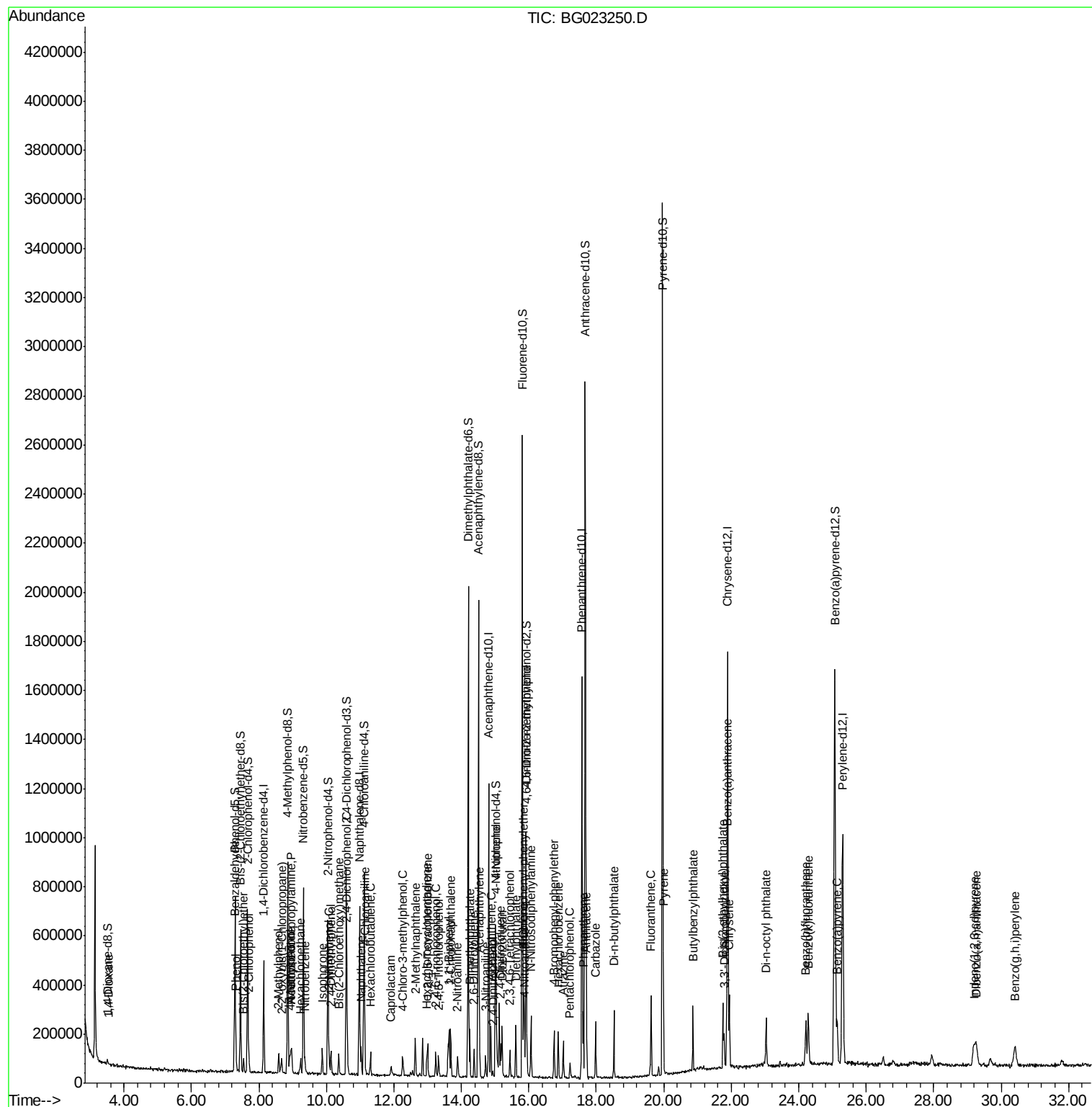
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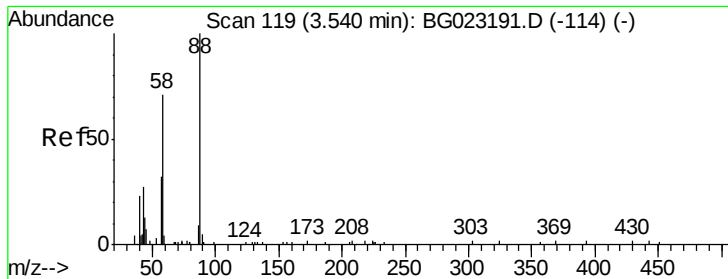
Instrument :
BNA_G
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#2

1,4-Dioxane

Concen: 1.12 ng/uL m

RT: 3.54 min Scan# 119

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

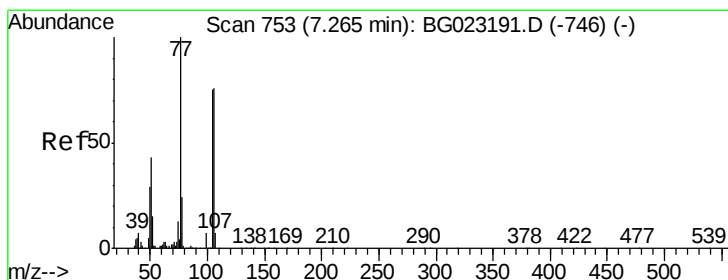
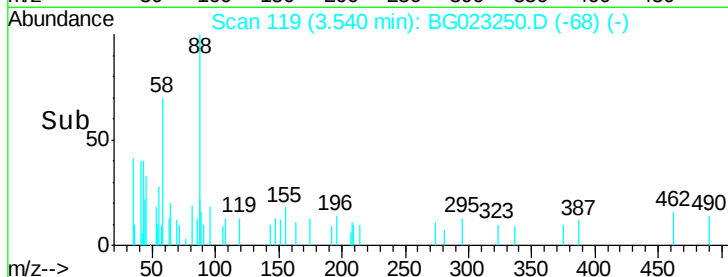
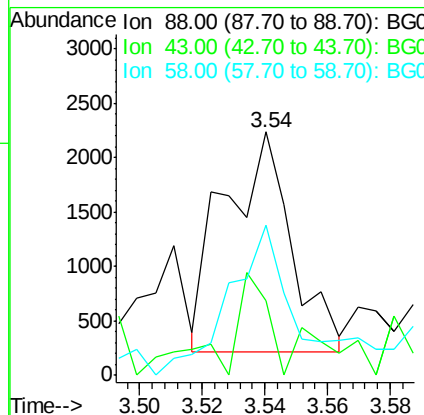
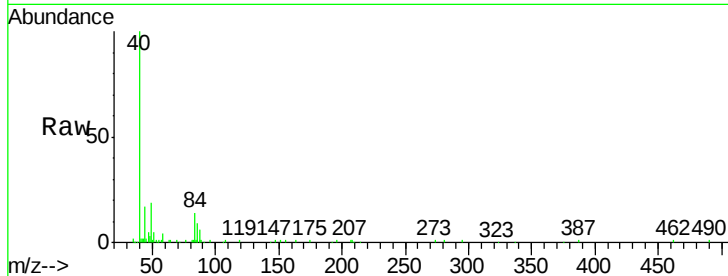
MDL-02-S

Tgt Ion:	88	Resp:	3058
Ion	Ratio	Lower	Upper
88	100		
43	30.8	16.6	24.8#
58	61.4	47.2	70.8

Manual Integrations

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#4

Benzaldehyde

Concen: 3.56 ng/uL

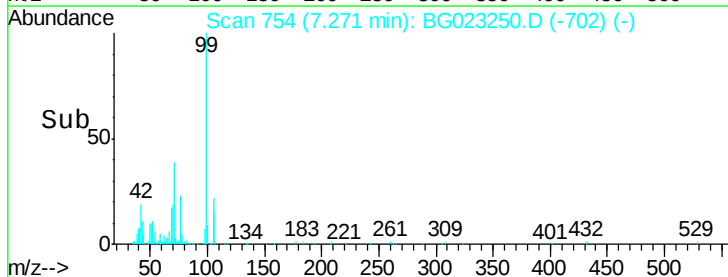
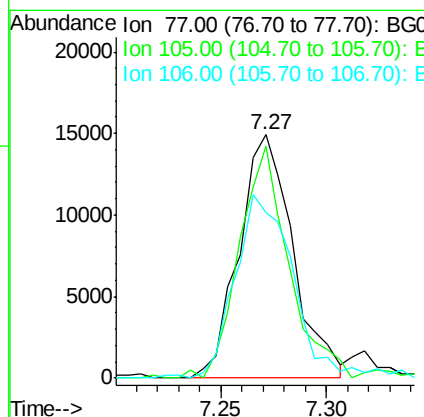
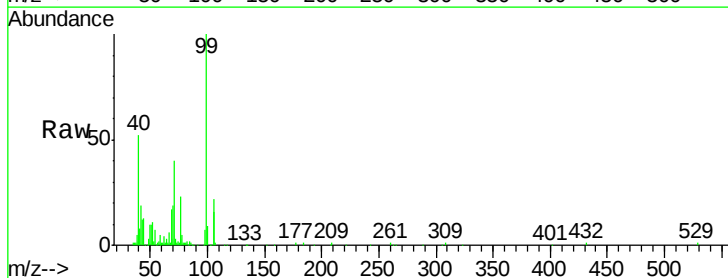
RT: 7.27 min Scan# 754

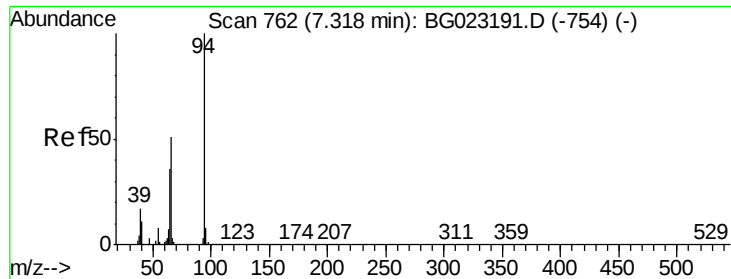
Delta R.T. 0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	77	Resp:	26380
Ion	Ratio	Lower	Upper
77	100		
105	95.5	83.8	125.8
106	67.9	77.9	116.9#





#6

Phenol

Concen: 2.88 ng/ul

RT: 7.32 min Scan# 762

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

Tgt Ion: 94 Resp: 35847

Ion Ratio Lower Upper

94 100

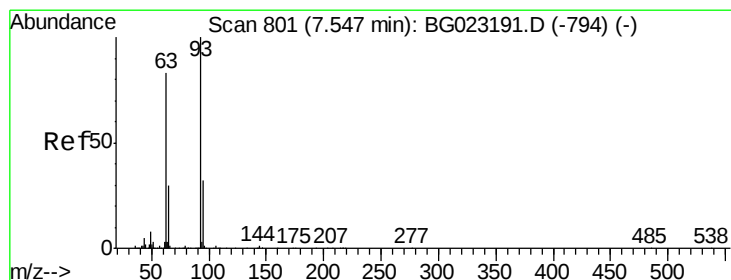
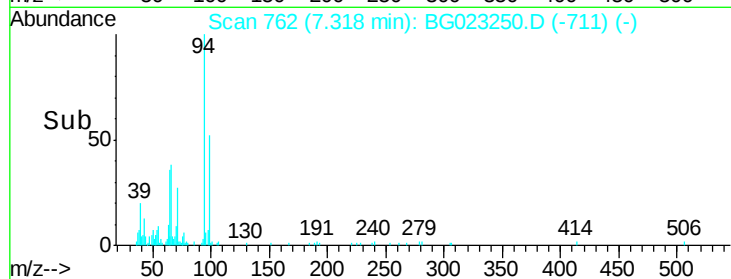
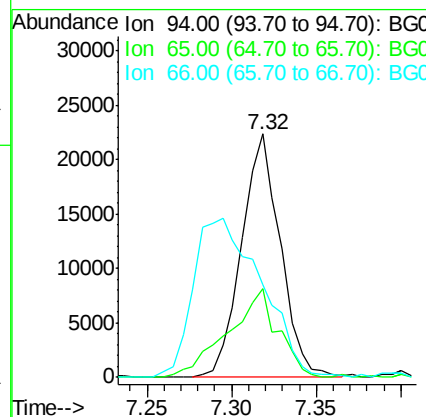
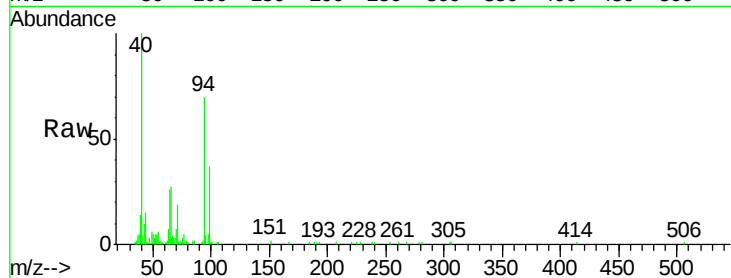
65 36.6 16.8 25.2#

66 38.3 22.6 33.8#

Manual Integrations

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#8

Bis(2-Chloroethyl)ether

Concen: 2.85 ng/ul

RT: 7.55 min Scan# 801

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

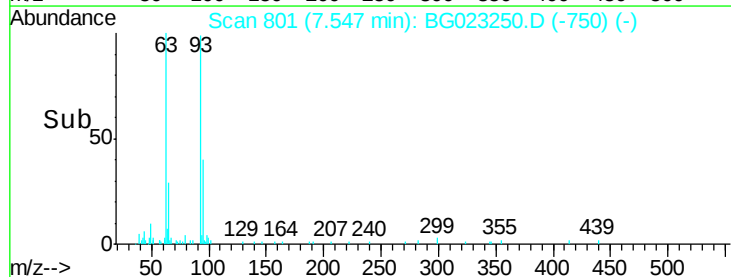
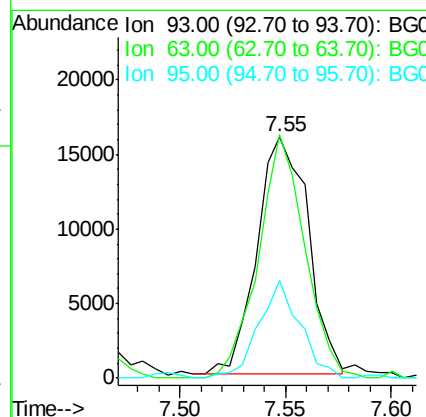
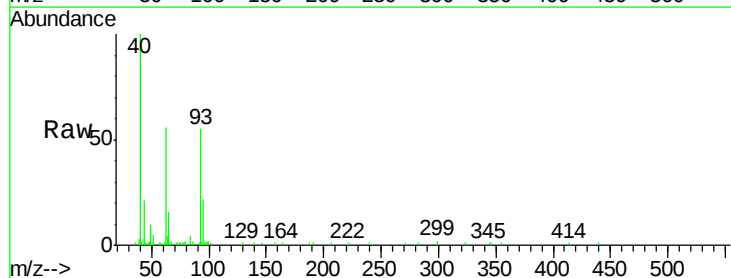
Tgt Ion: 93 Resp: 26665

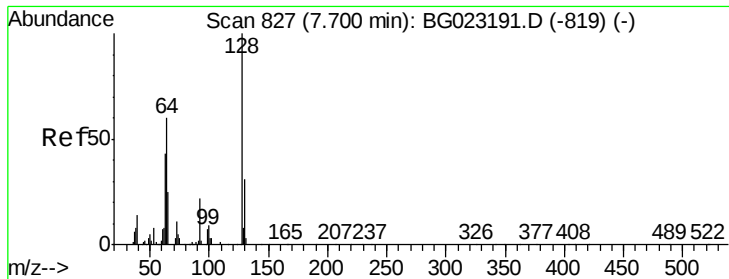
Ion Ratio Lower Upper

93 100

63 100.8 56.0 84.0#

95 40.5 27.7 41.5





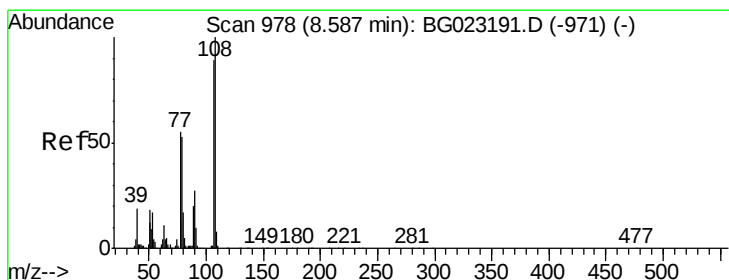
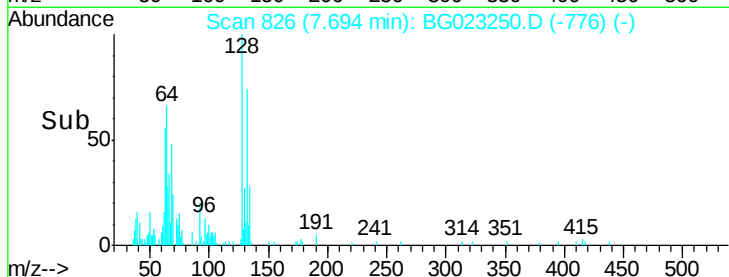
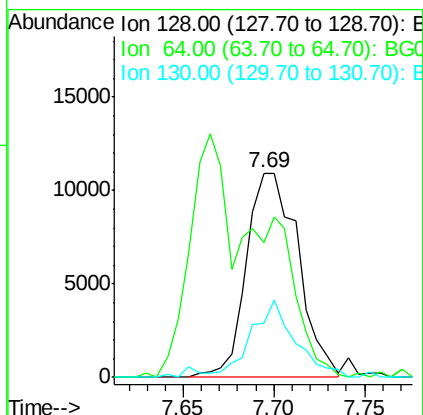
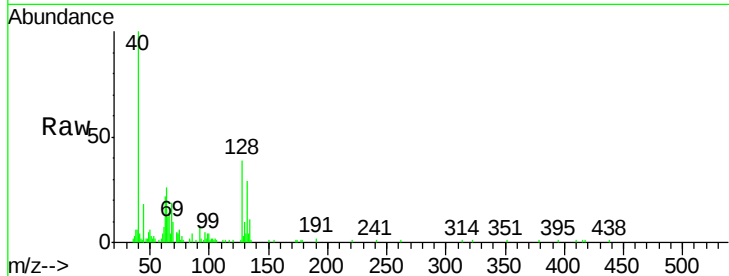
#10
2-Chlorophenol
Concen: 2.62 ng/ul
RT: 7.69 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
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Tgt Ion	Ratio	Lower	Upper
128	100		
64	66.2	34.2	51.4#
130	26.8	27.0	40.4#

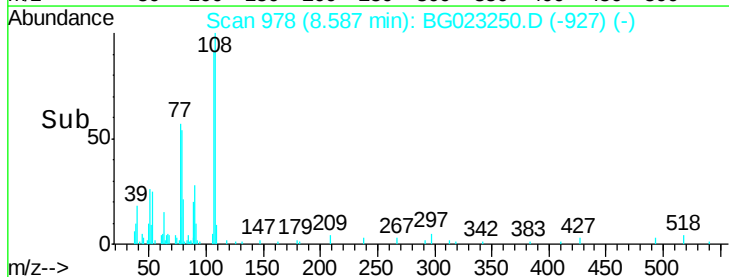
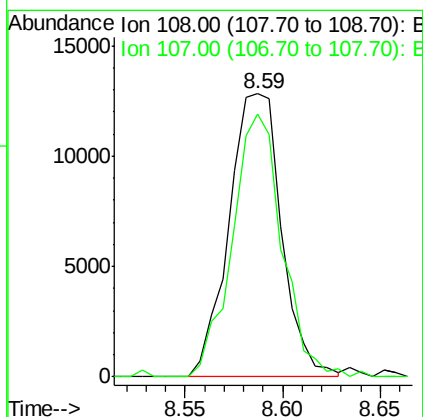
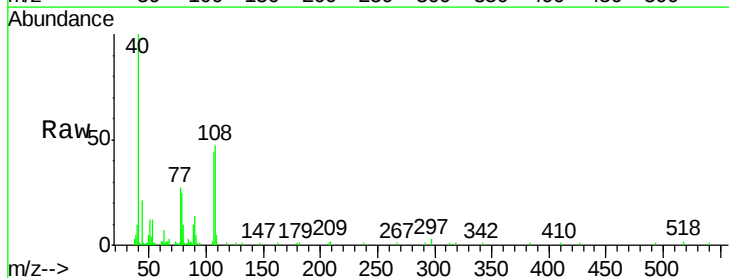
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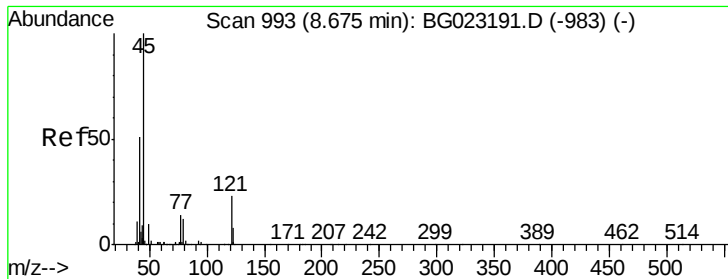
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#11
2-Methylphenol
Concen: 2.61 ng/ul
RT: 8.59 min Scan# 978
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.9	78.6	117.8





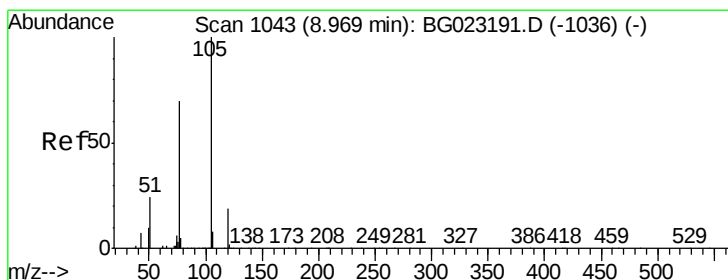
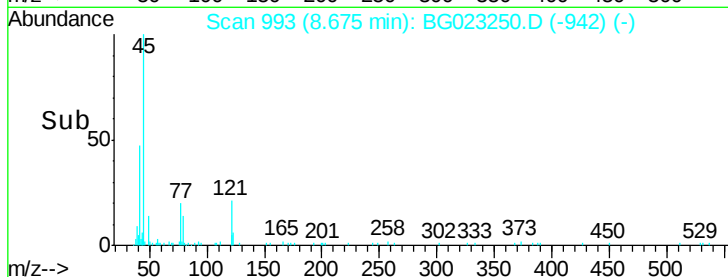
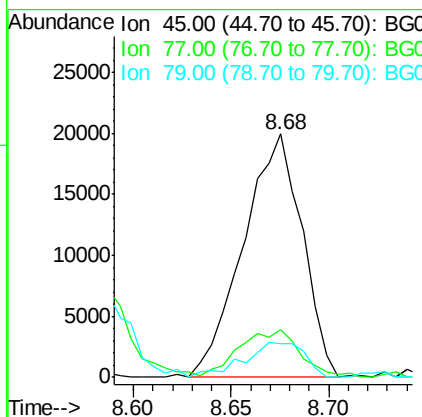
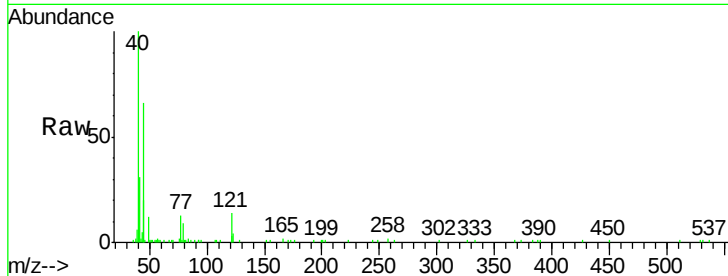
#12
2,2'-oxybis(1-chloropropane)
Concen: 3.29 ng/ul
RT: 8.68 min Scan# 993
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
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Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.7	13.4	20.2
79	13.9	10.2	15.4

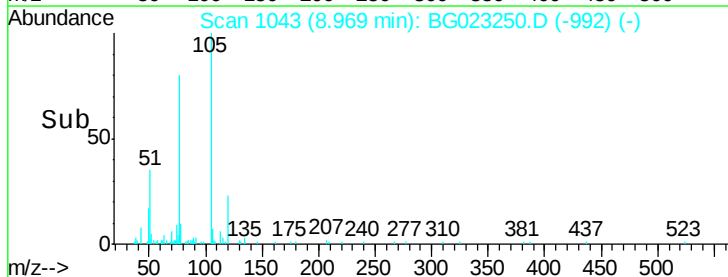
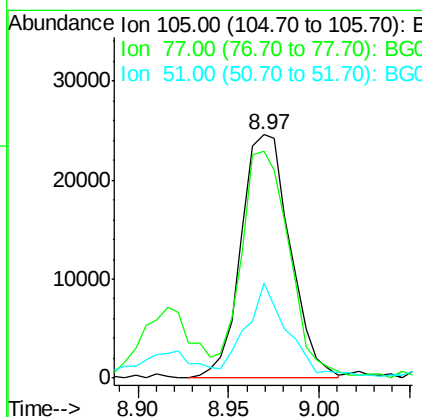
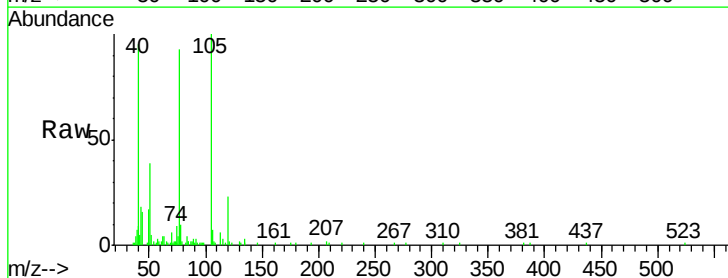
Manual Integrations

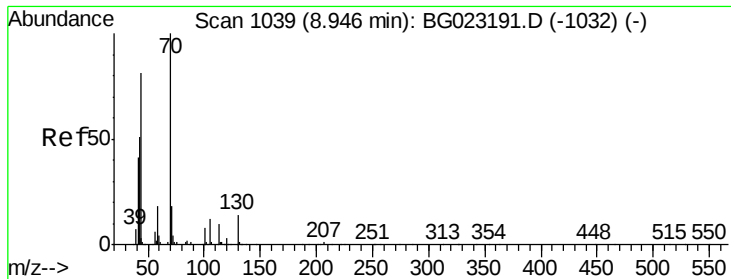
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#14
Acetophenone
Concen: 2.86 ng/ul
RT: 8.97 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
77	93.2	56.1	84.1#
51	38.9	14.6	22.0#





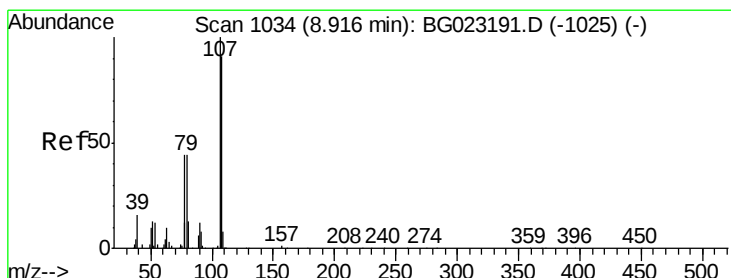
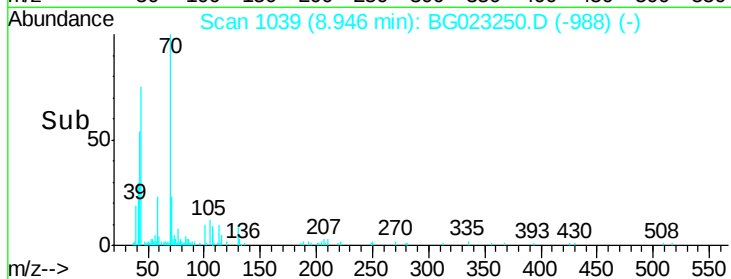
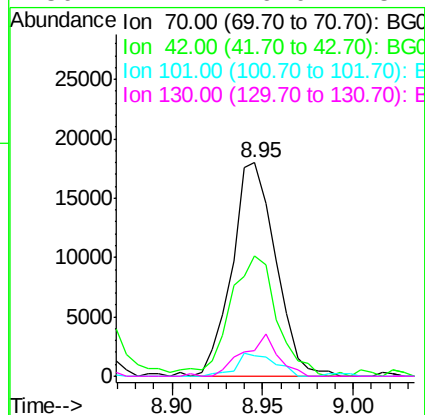
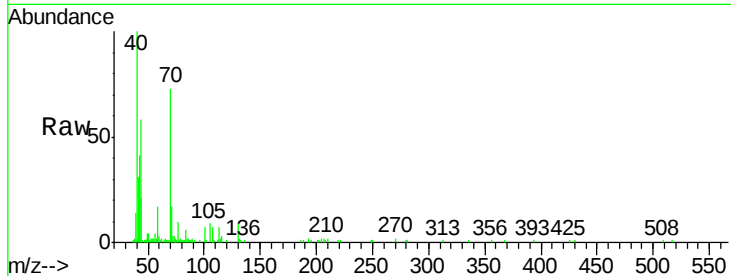
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N-Nitroso-di-n-propylamine
Concen: 2.83 ng/ul
RT: 8.95 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

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Tgt Ion	Ratio	Lower	Upper
70	100		
42	56.2	31.4	47.2#
101	9.8	8.6	13.0
130	12.1	19.0	28.4#

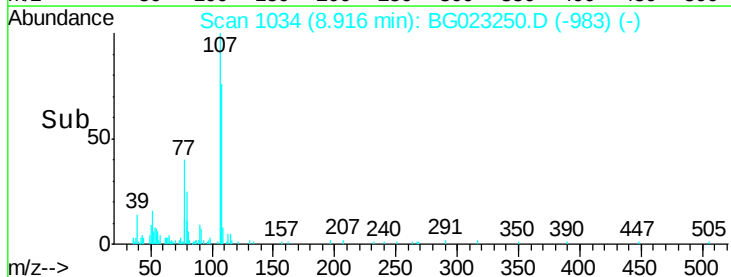
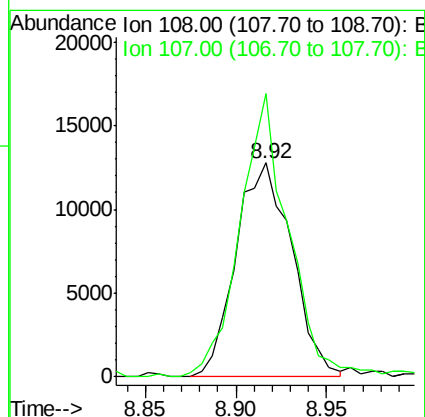
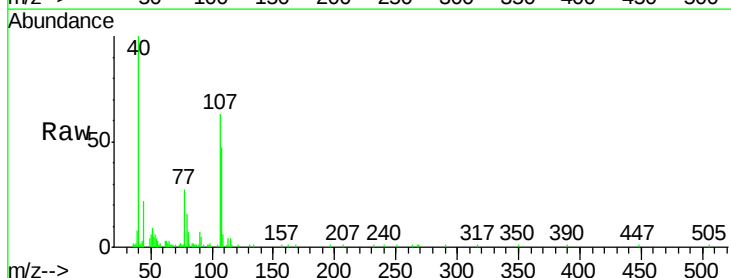
Manual Integrations

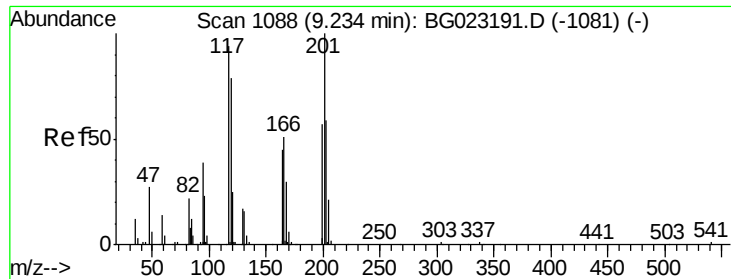
SOHIL
7/26/2016 11:40:34 AM



#16
4-Methylphenol
Concen: 2.68 ng/ul
RT: 8.92 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
108	100		
107	132.1	88.3	132.5





#17

Hexachloroethane

Concen: 2.92 ng/ul

RT: 9.24 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

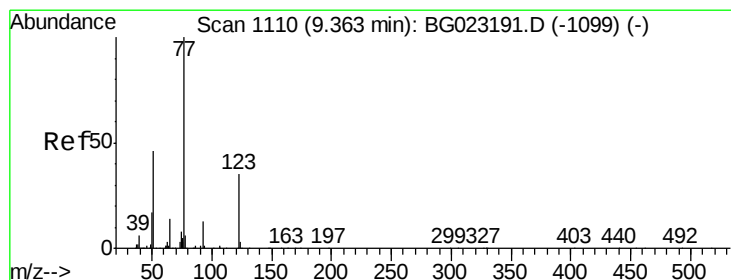
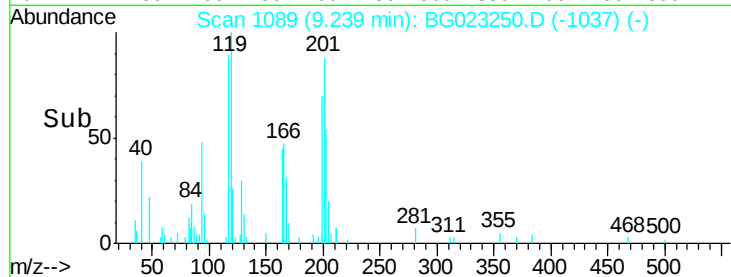
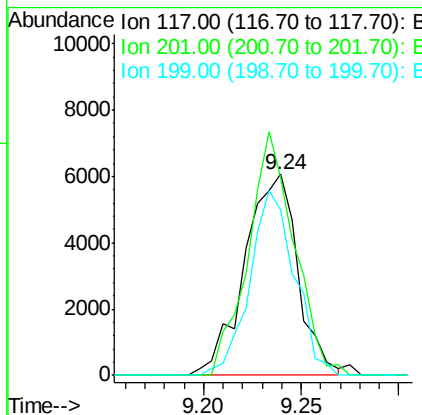
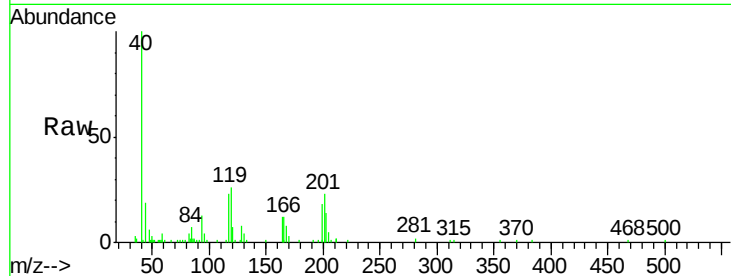
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	76.8	115.2
199	82.1	43.5	65.3#

Manual Integrations

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#20

Nitrobenzene

Concen: 3.00 ng/ul

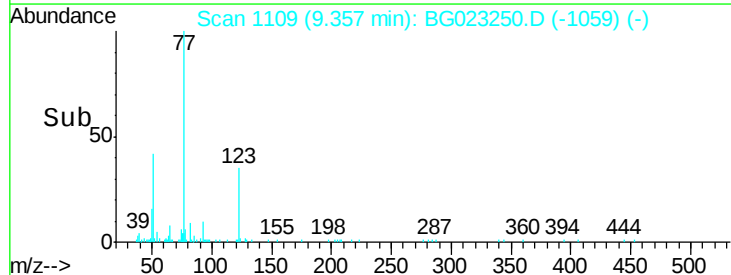
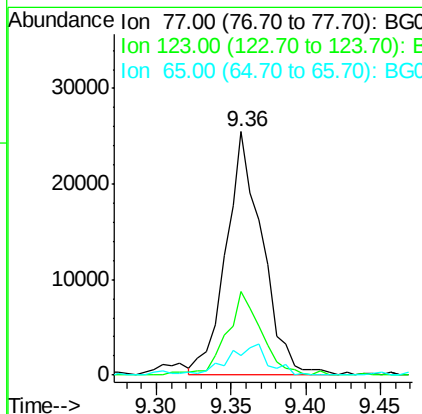
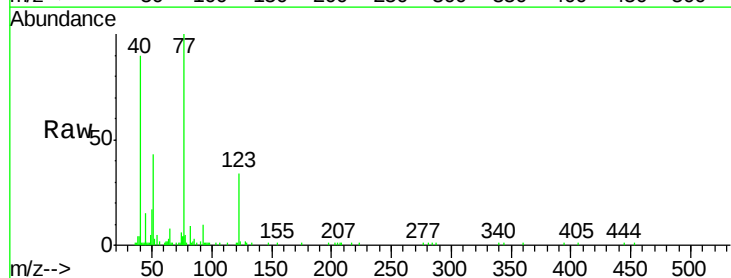
RT: 9.36 min Scan# 1109

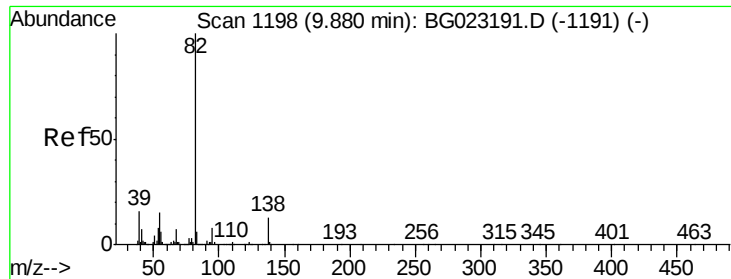
Delta R.T. -0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
77	100		
123	34.4	39.5	59.3#
65	8.1	9.0	13.4#





#21

Isophorone

Concen: 2.72 ng/ul

RT: 9.88 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BG023250.D

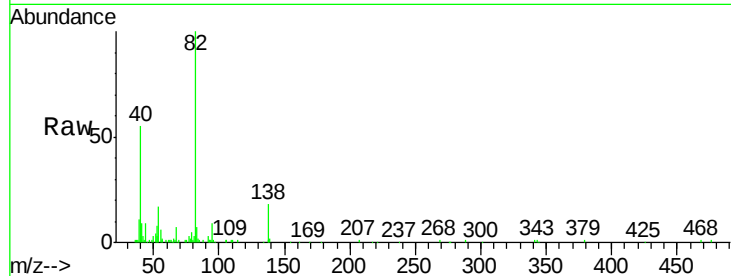
Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

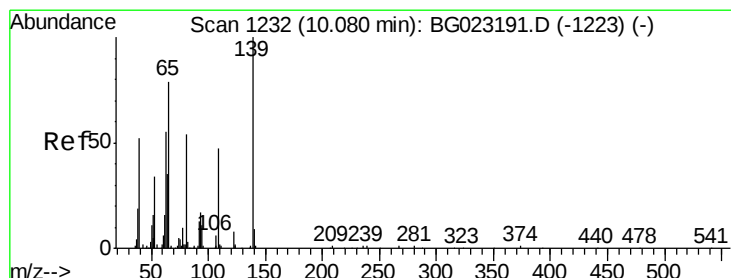
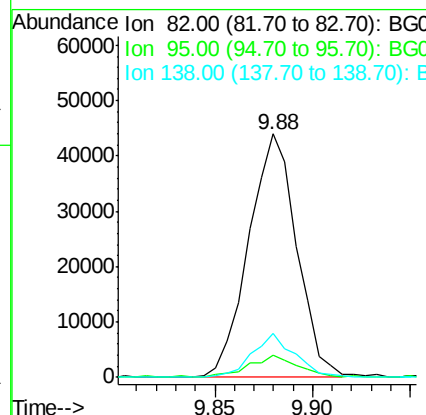
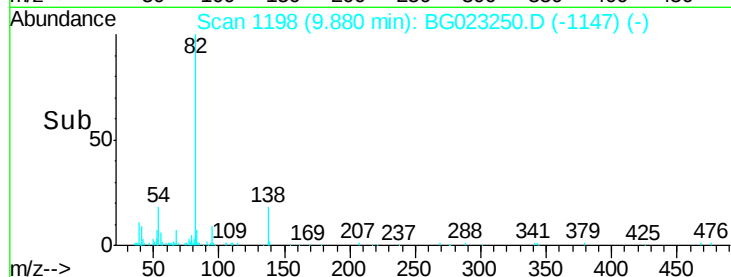


Tgt Ion	82	95	138
Ratio	100	8.9	18.1
Lower		5.1	15.0
Upper		7.7#	22.6

Manual Integrations

SOHIL

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#23

2-Nitrophenol

Concen: 2.88 ng/ul

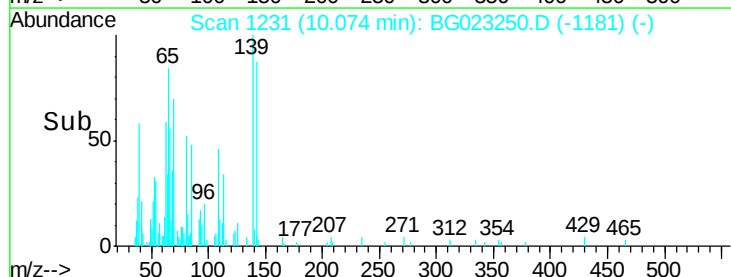
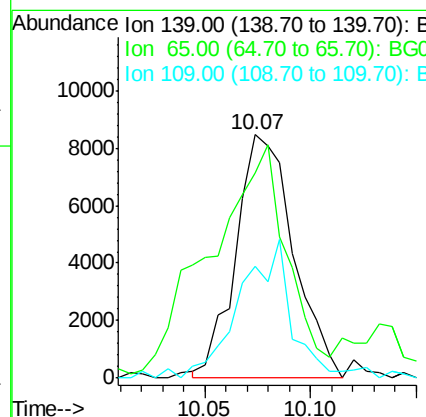
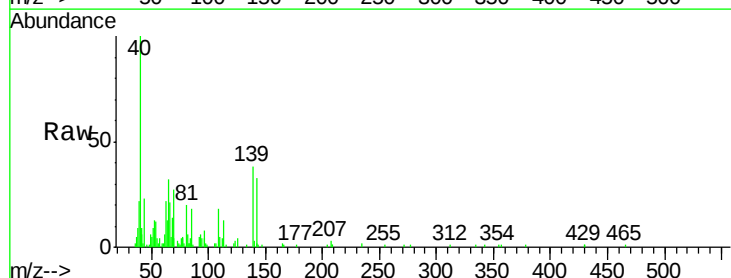
RT: 10.07 min Scan# 1231

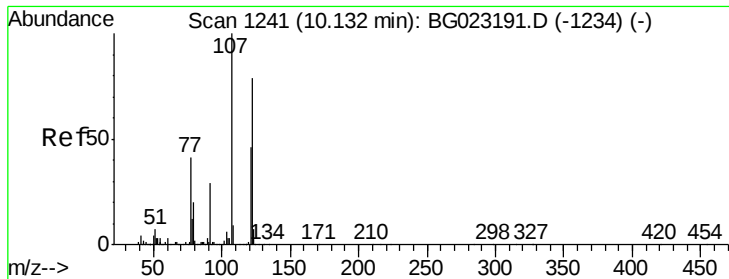
Delta R.T. -0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion	139	65	109
Ratio	100	84.5	45.9
Lower		31.8	17.1
Upper		47.8#	25.7#





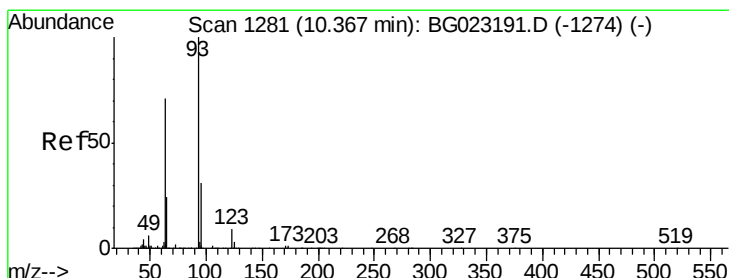
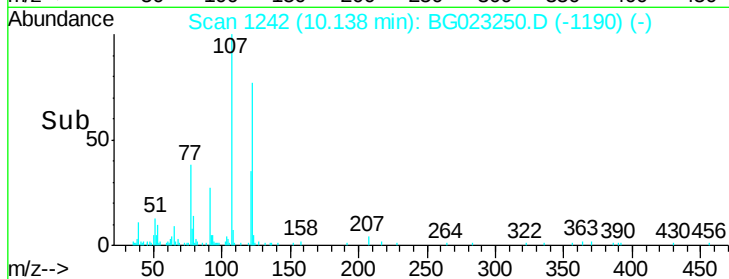
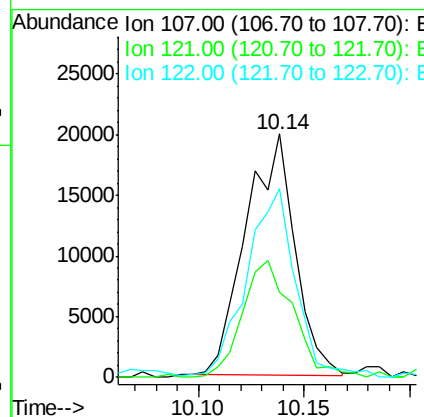
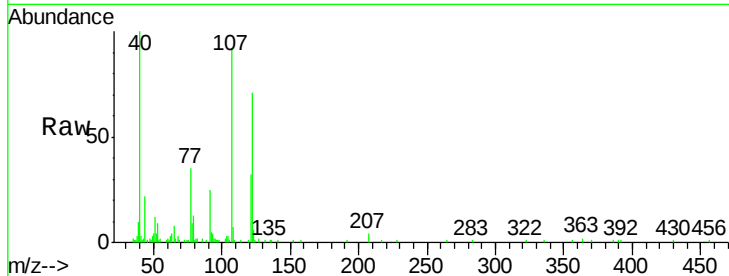
#24
 2,4-Dimethylphenol
 Concen: 2.50 ng/ul
 RT: 10.14 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Instrument :
 BNA_G
 ClientSampled :
 MDL-02-S

Tgt Ion: 107 Resp: 31865
 Ion Ratio Lower Upper
 107 100
 121 34.8 43.7 65.5#
 122 77.2 70.3 105.5

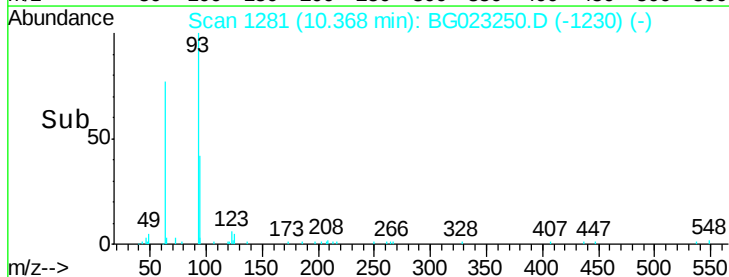
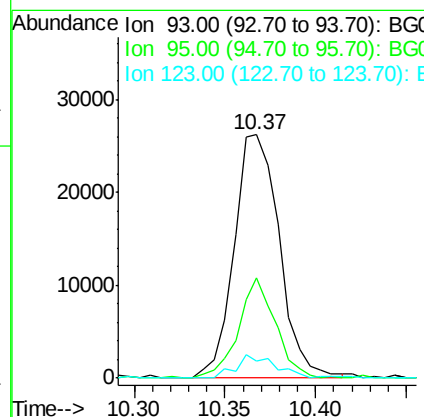
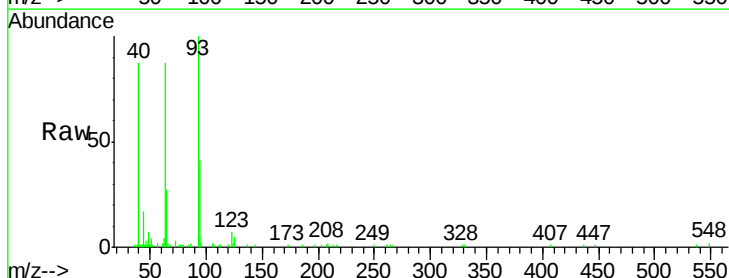
Manual Integrations

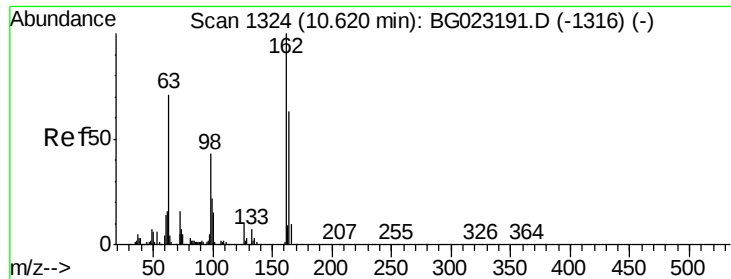
SOHIL
 7/26/2016 11:40:34 AM



#25
 Bis(2-Chloroethoxy)methane
 Concen: 3.00 ng/ul
 RT: 10.37 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Tgt Ion: 93 Resp: 45482
 Ion Ratio Lower Upper
 93 100
 95 41.2 26.0 39.0#
 123 6.8 10.1 15.1#





#27

2,4-Dichlorophenol

Concen: 2.70 ng/ul

RT: 10.61 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

Tgt Ion:162 Resp: 26164

Ion Ratio Lower Upper

162 100

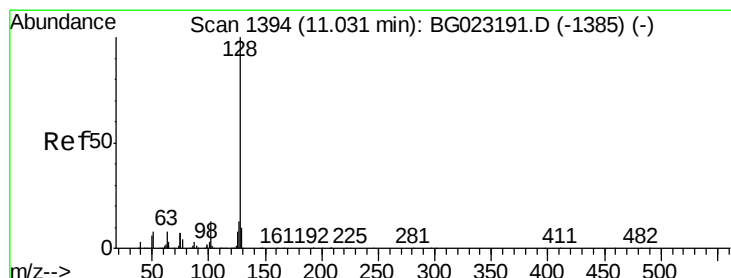
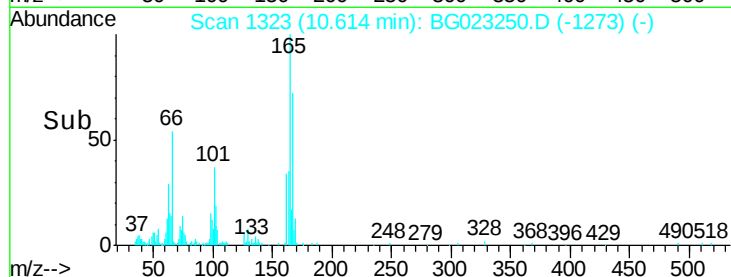
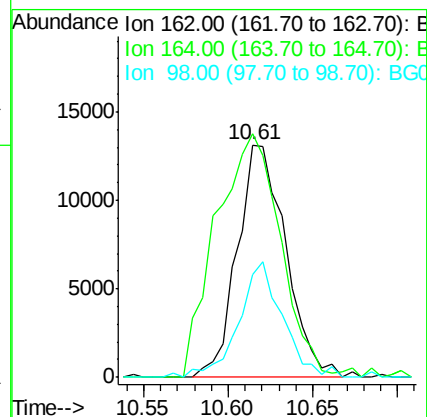
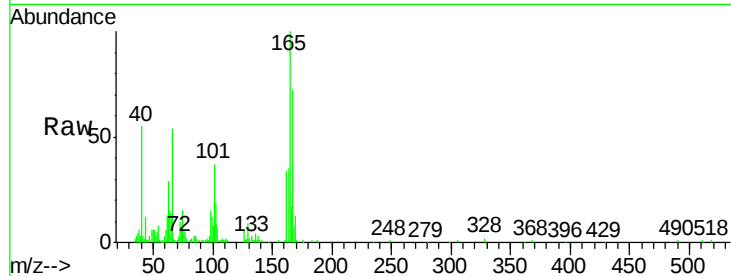
164 104.6 51.6 77.4#

98 44.2 28.3 42.5#

Manual Integrations

SOHIL

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#28

Naphthalene

Concen: 3.13 ng/ul

RT: 11.03 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

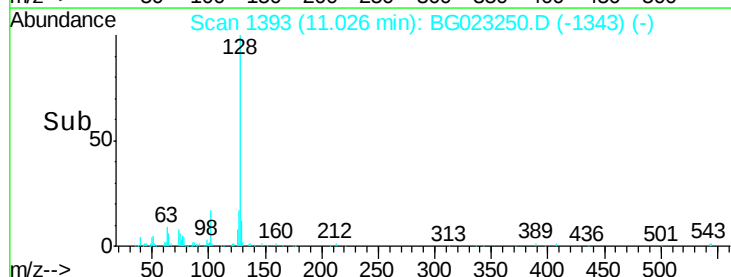
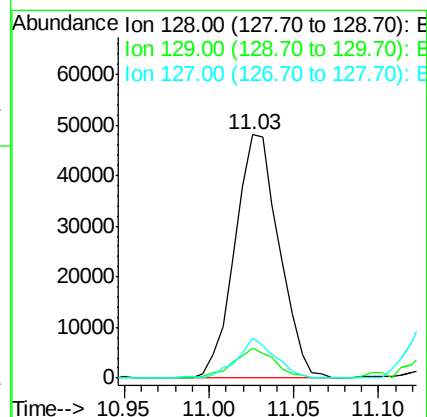
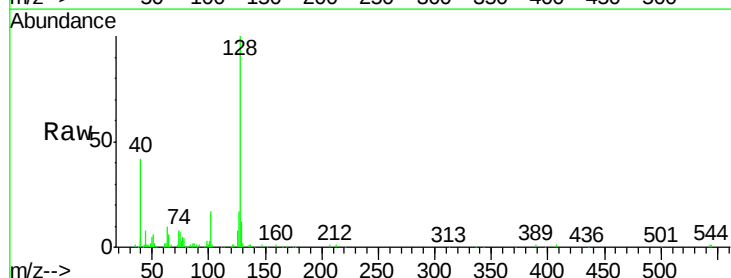
Tgt Ion:128 Resp: 87701

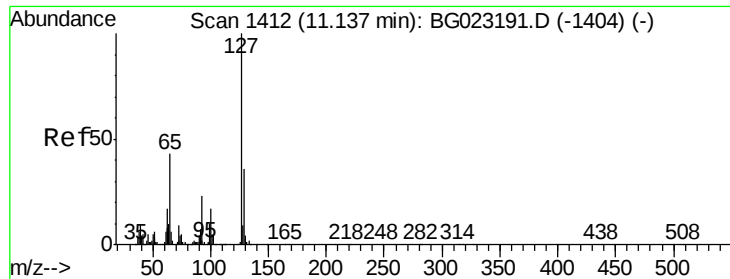
Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.2

127 16.7 11.2 16.8





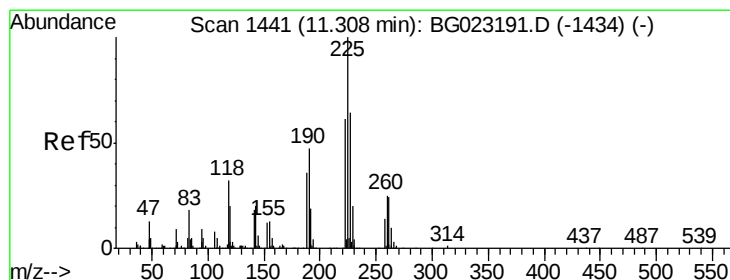
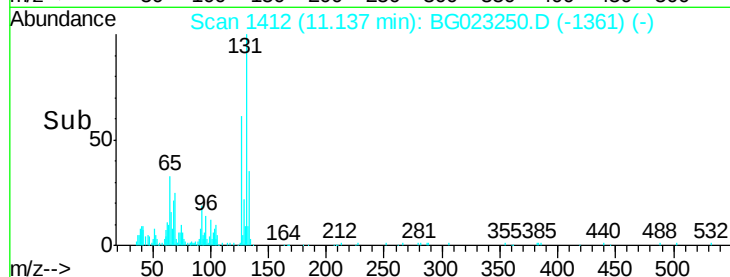
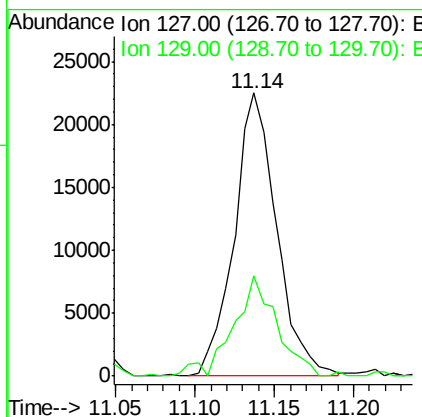
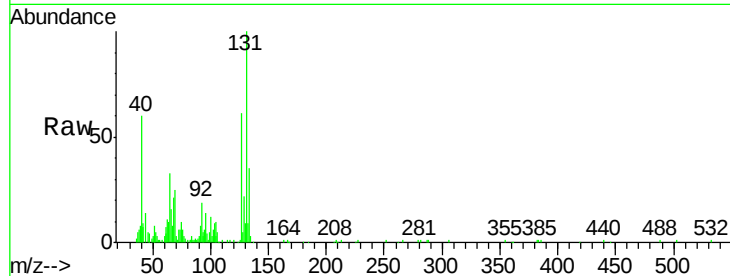
#30
4-Chloroaniline
Concen: 3.99 ng/ul
RT: 11.14 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
ClientSampled :
MDL-02-S

Tgt Ion:127 Resp: 41796
Ion Ratio Lower Upper
127 100
129 35.3 26.9 40.3

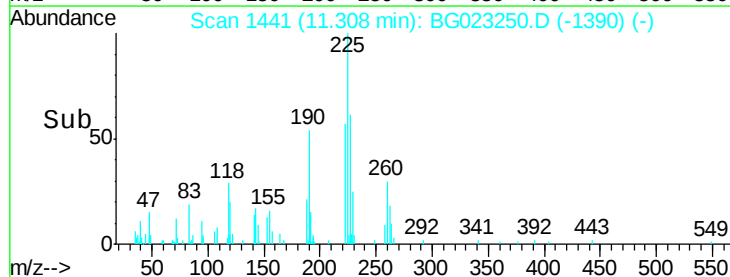
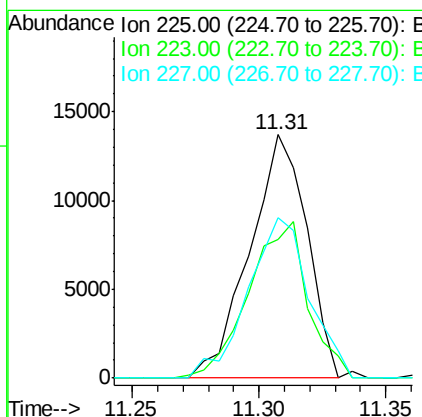
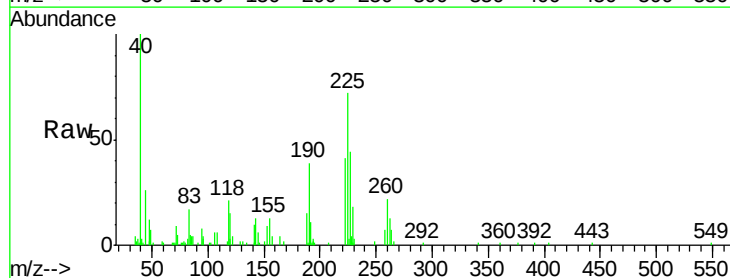
Manual Integrations

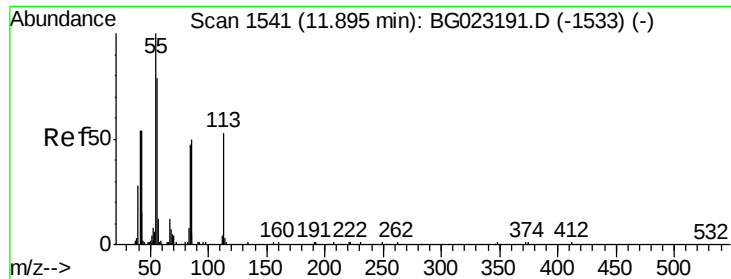
APPROVED
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7/26/2016 11:40:34 AM



#31
Hexachlorobutadiene
Concen: 2.77 ng/ul
RT: 11.31 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion:225 Resp: 21522
Ion Ratio Lower Upper
225 100
223 55.2 54.7 82.1
227 63.7 52.2 78.4





#32

Caprolactam

Concen: 2.51 ng/ul m

RT: 11.91 min Scan# 1544

Delta R.T. 0.02 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

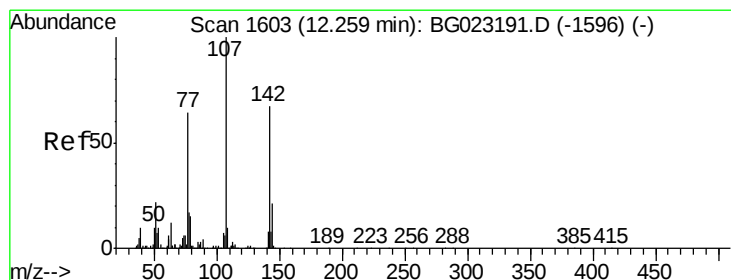
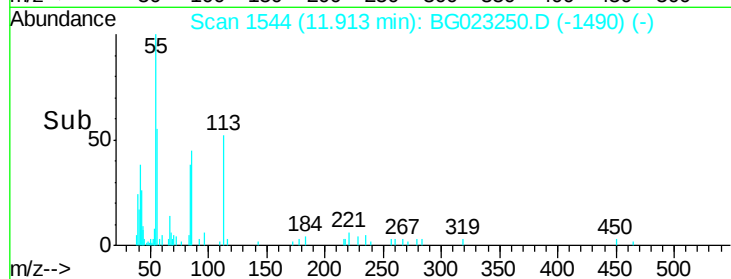
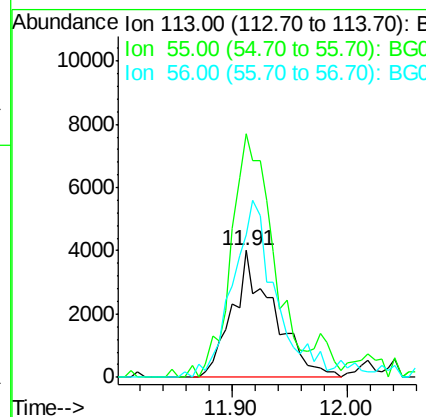
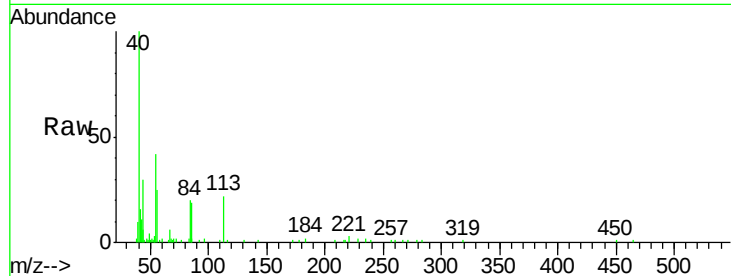
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
113	100		
55	191.7	99.6	149.4#
56	112.0	66.4	99.6#

Manual Integrations

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#33

4-Chloro-3-methylphenol

Concen: 2.25 ng/ul

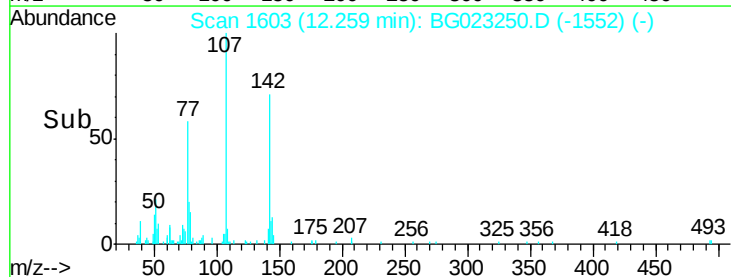
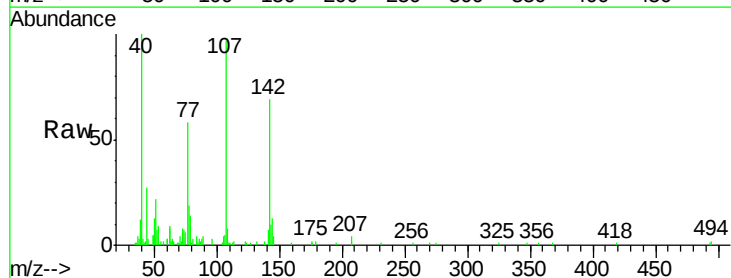
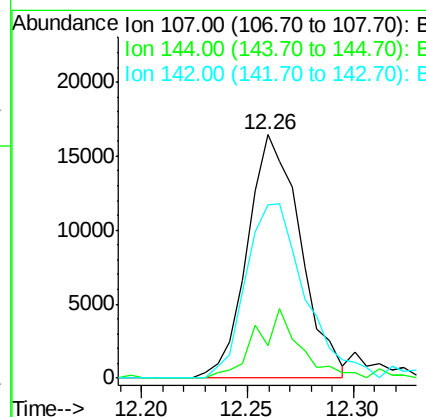
RT: 12.26 min Scan# 1603

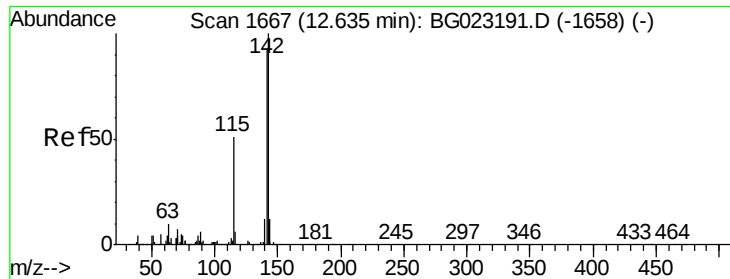
Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
107	100		
144	13.2	22.7	34.1#
142	71.3	71.6	107.4#





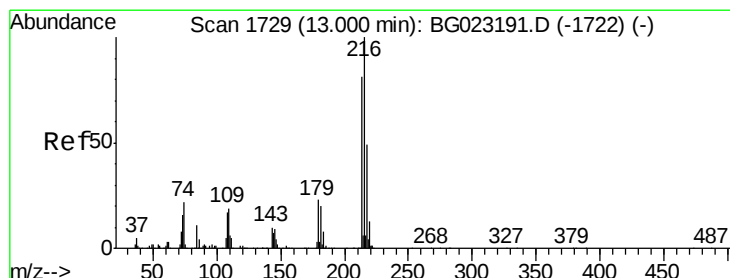
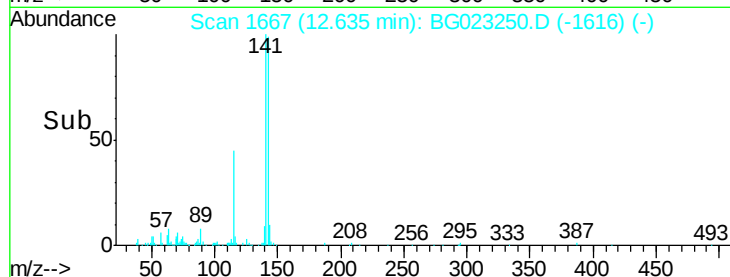
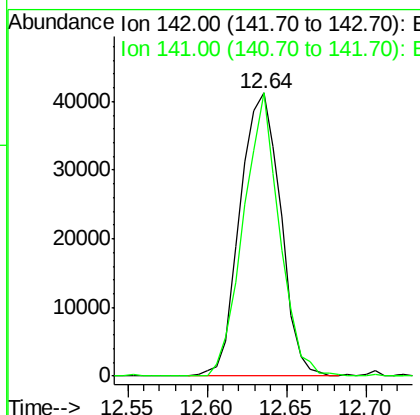
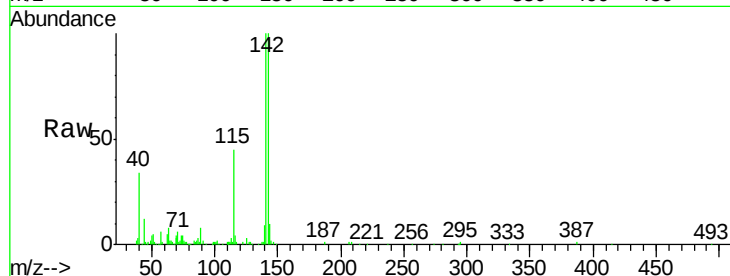
#34
 2-Methylnaphthalene
 Concen: 3.15 ng/ul
 RT: 12.64 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Instrument :
 BNA_G
 ClientSampleId :
 MDL-02-S

Tgt Ion:142 Resp: 73107
 Ion Ratio Lower Upper
 142 100
 141 100.0 75.2 112.8

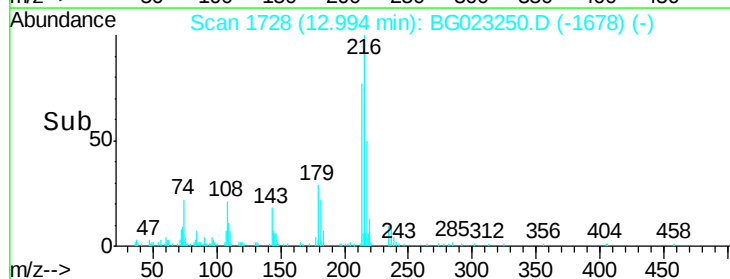
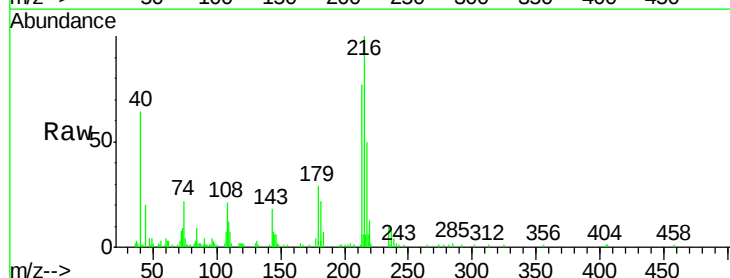
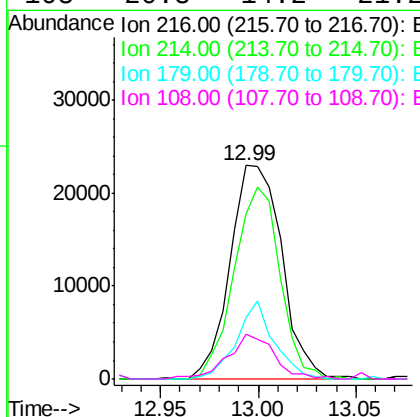
Manual Integrations

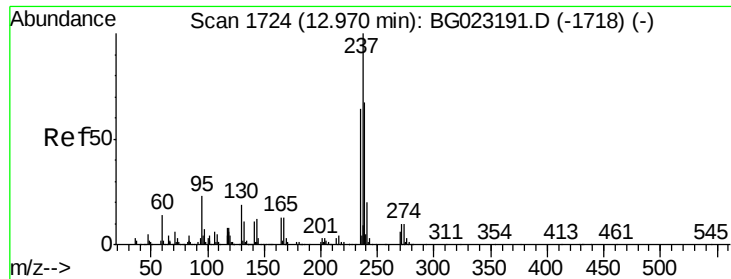
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 7/26/2016 11:40:34 AM



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.11 ng/ul
 RT: 12.99 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Tgt Ion:216 Resp: 42056
 Ion Ratio Lower Upper
 216 100
 214 77.1 61.7 92.5
 179 28.8 17.0 25.4#
 108 20.8 14.2 21.2





#37

Hexachlorocyclopentadiene

Concen: 2.08 ng/ul

RT: 12.98 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

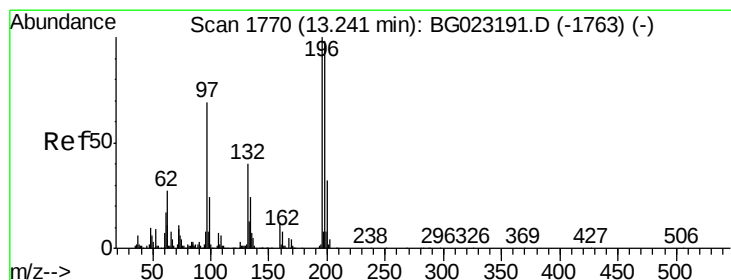
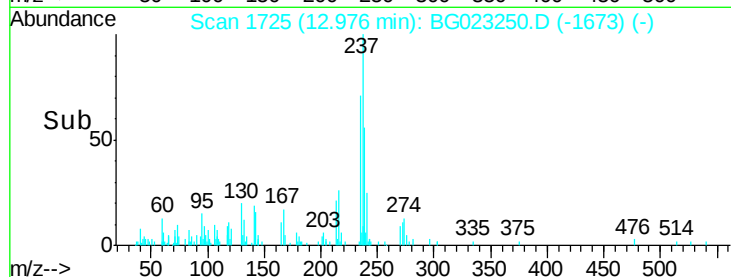
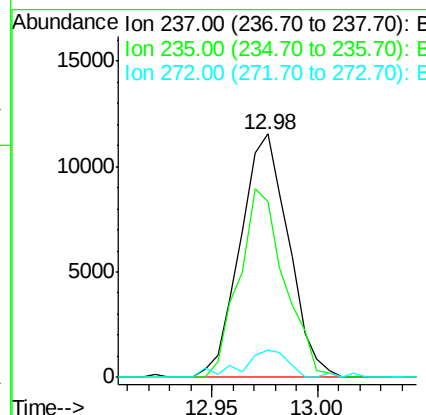
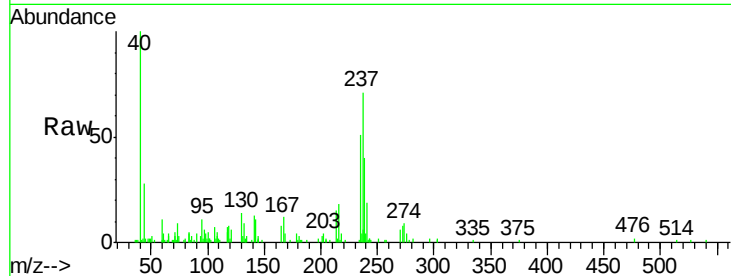
MDL-02-S

Tgt Ion:	237	Resp:	18288
Ion Ratio	Lower	Upper	
237	100		
235	66.4	49.6	74.4
272	10.3	9.3	13.9

Manual Integrations

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7/26/2016 11:40:34 AM



#38

2,4,6-Trichlorophenol

Concen: 2.49 ng/ul

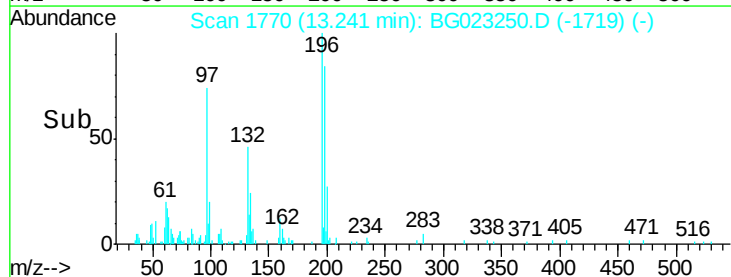
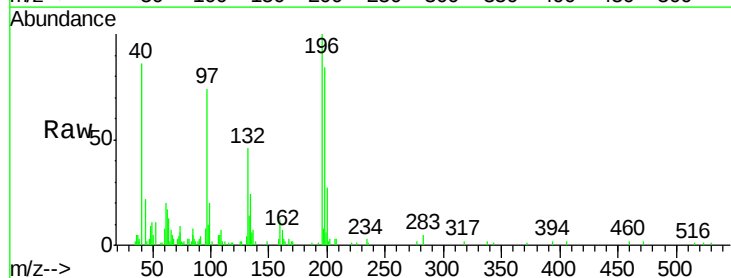
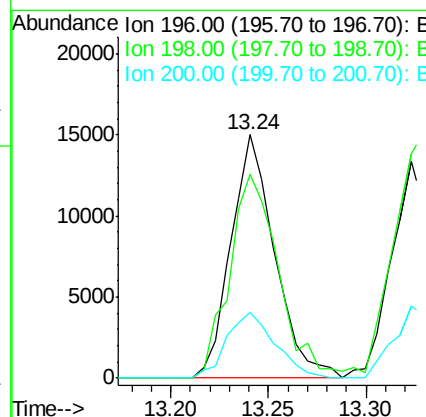
RT: 13.24 min Scan# 1770

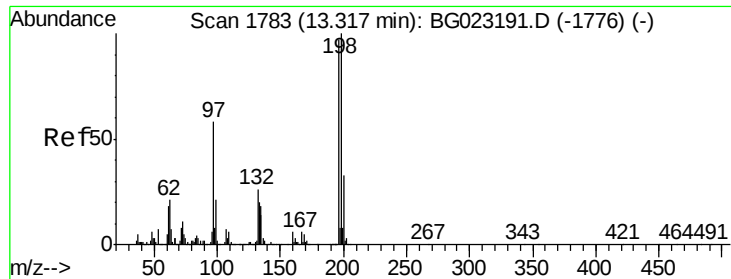
Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	196	Resp:	23330
Ion Ratio	Lower	Upper	
196	100		
198	84.0	77.4	116.0
200	26.8	26.6	39.8





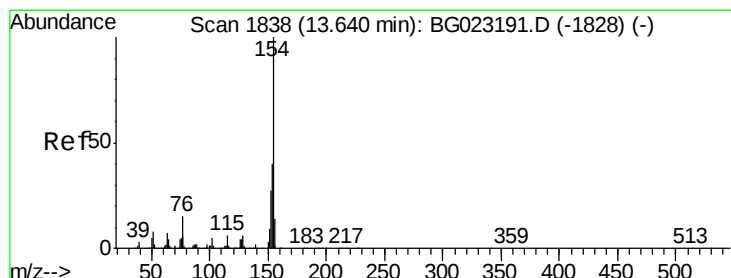
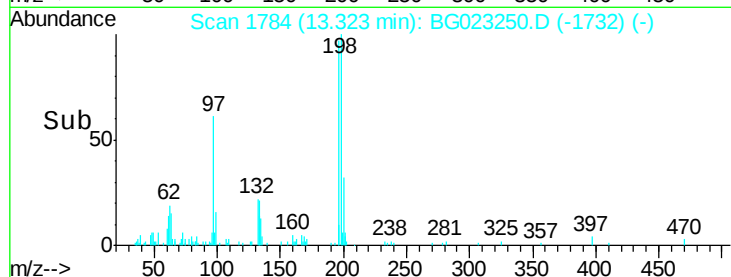
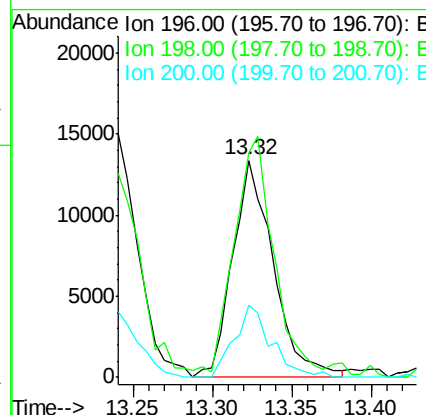
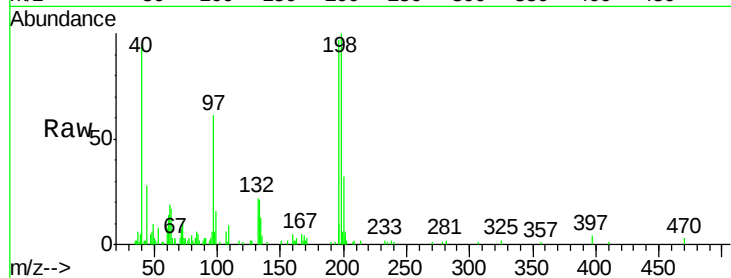
#39
 2,4,5-Trichlorophenol
 Concen: 2.51 ng/ul
 RT: 13.32 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Instrument :
 BNA_G
 ClientSampleId :
 MDL-02-S

Tgt Ion	Ratio	Lower	Upper
196	100		
198	103.5	79.8	119.8
200	33.1	24.0	36.0

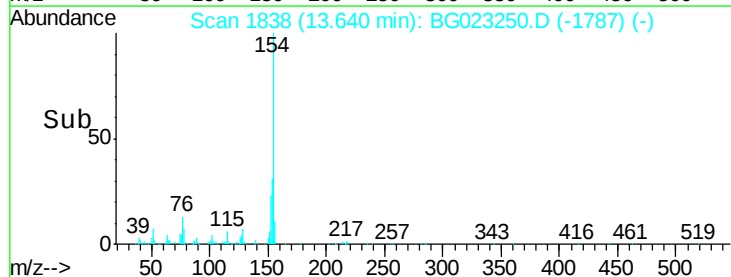
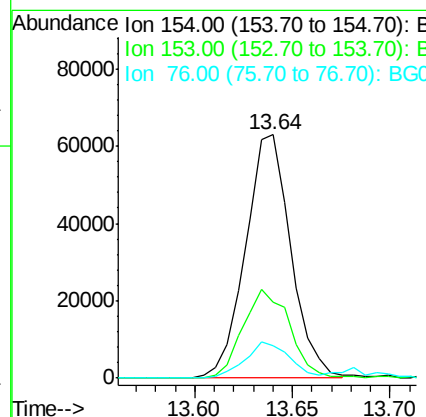
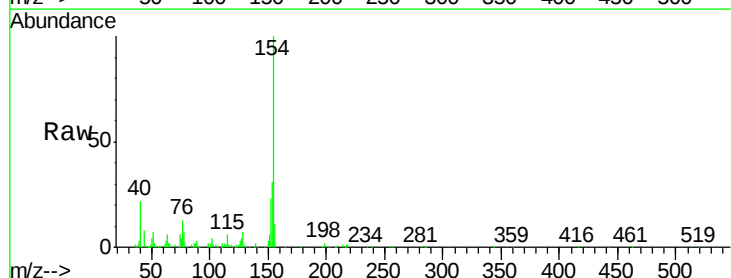
Manual Integrations

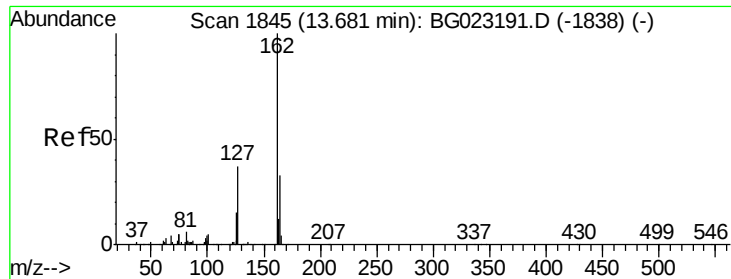
APPROVED
 SOHIL
 7/26/2016 11:40:34 AM



#40
 1,1'-Biphenyl
 Concen: 3.32 ng/ul
 RT: 13.64 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	31.3	34.6	52.0#
76	13.4	11.9	17.9





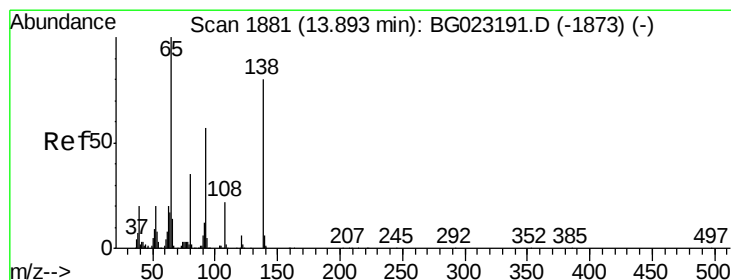
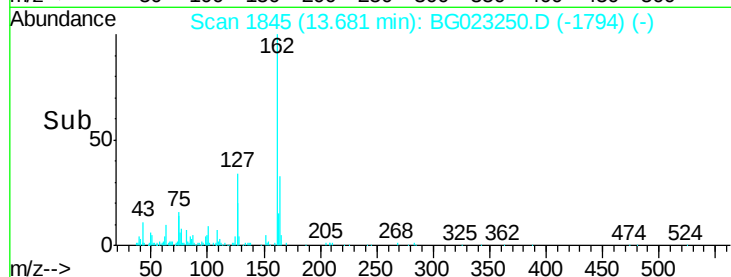
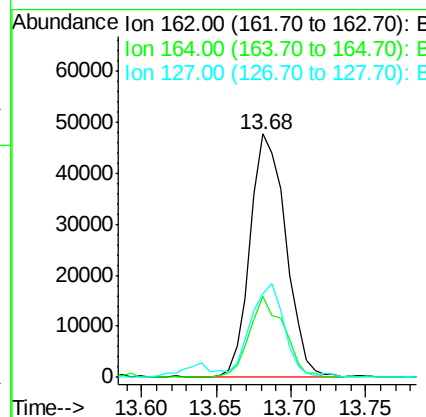
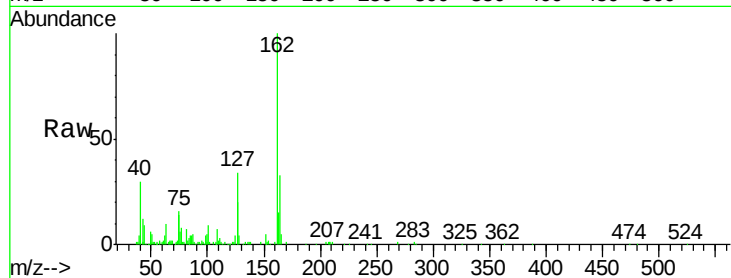
#41
 2-Chloronaphthalene
 Concen: 3.23 ng/ul
 RT: 13.68 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Instrument :
 BNA_G
 ClientSampleId :
 MDL-02-S

Tgt Ion: 162 Resp: 79183
 Ion Ratio Lower Upper
 162 100
 164 33.1 25.4 38.2
 127 34.2 30.2 45.4

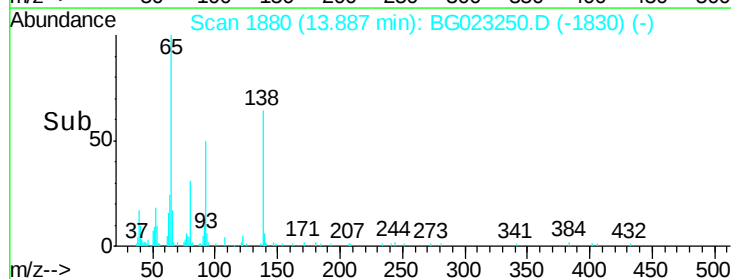
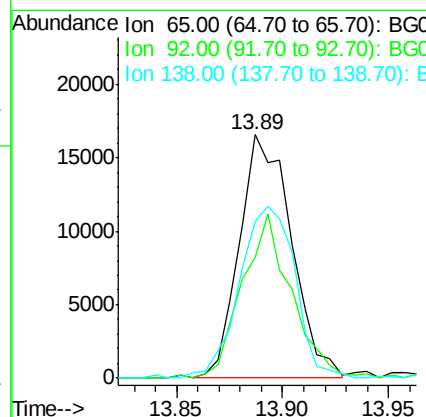
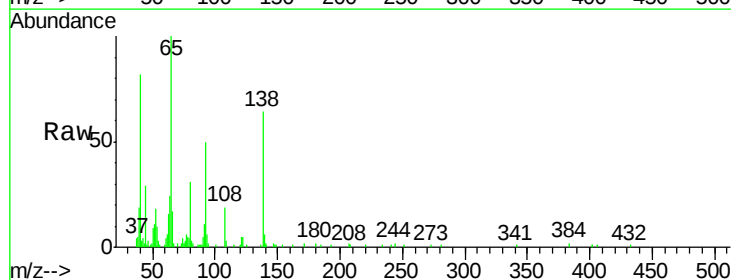
Manual Integrations

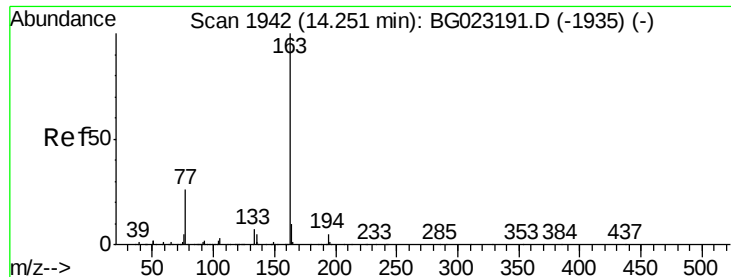
APPROVED
 SOHIL
 7/26/2016 11:40:34 AM



#42
 2-Nitroaniline
 Concen: 2.59 ng/ul
 RT: 13.89 min Scan# 1880
 Delta R.T. -0.01 min
 Lab File: BG023250.D
 Acq: 25 Jul 2016 13:01

Tgt Ion: 65 Resp: 28207
 Ion Ratio Lower Upper
 65 100
 92 49.8 67.1 100.7#
 138 64.3 109.6 164.4#





#44

Dimethylphthalate

Concen: 3.18 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampled :

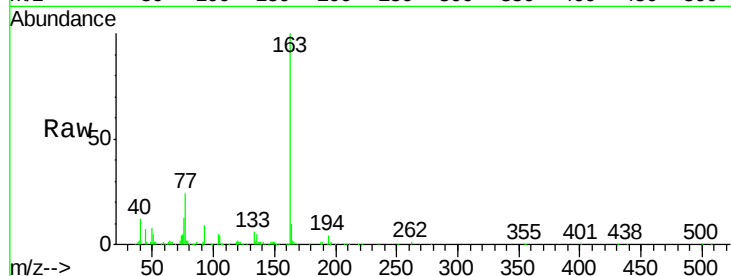
MDL-02-S

Tgt Ion:	163	Resp:	108687
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.4	5.2
164	9.6	8.8	13.2

Manual Integrations

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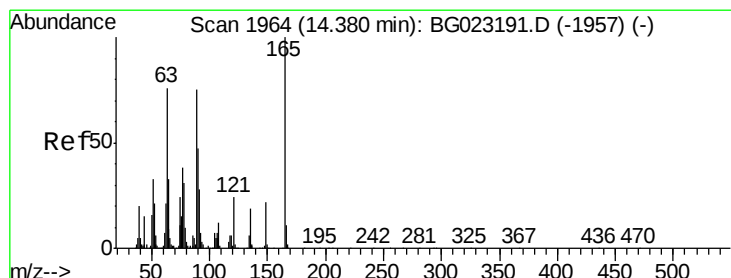
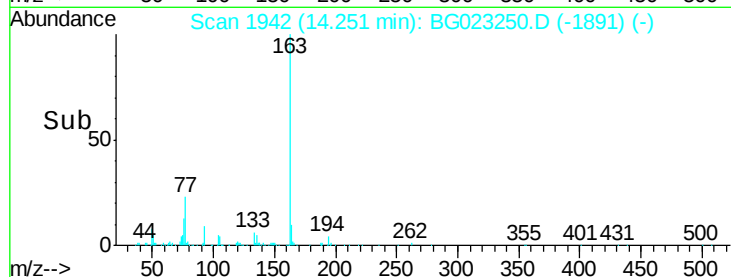
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

14.25

Time-->



#45

2,6-Dinitrotoluene

Concen: 2.84 ng/ul

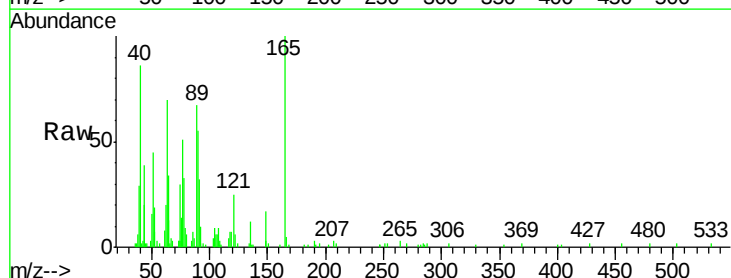
RT: 14.38 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	165	Resp:	21066
Ion Ratio	Lower	Upper	
165	100		
89	66.6	41.5	62.3#
121	25.1	17.0	25.4



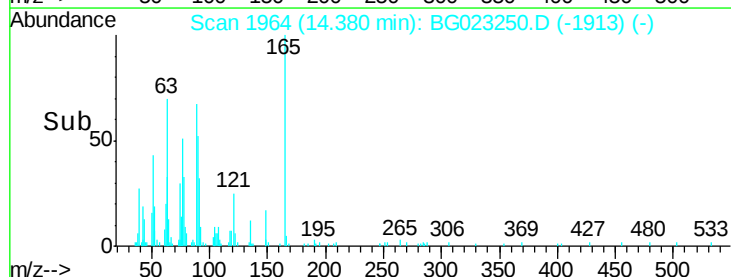
Abundance Ion 165.00 (164.70 to 165.70): E

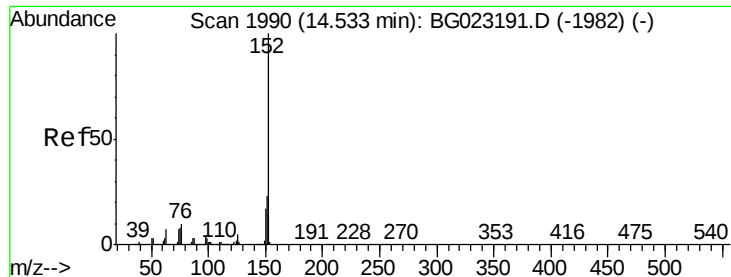
Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E

14.38

Time-->





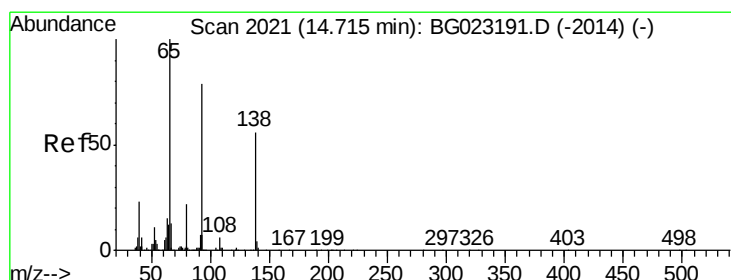
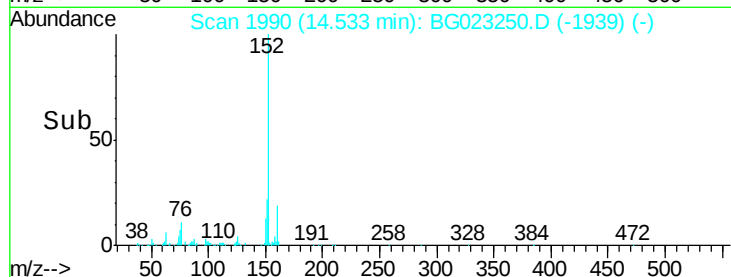
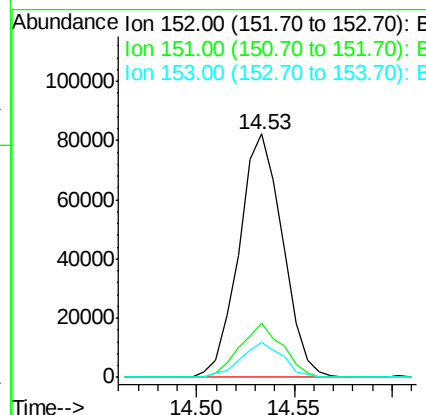
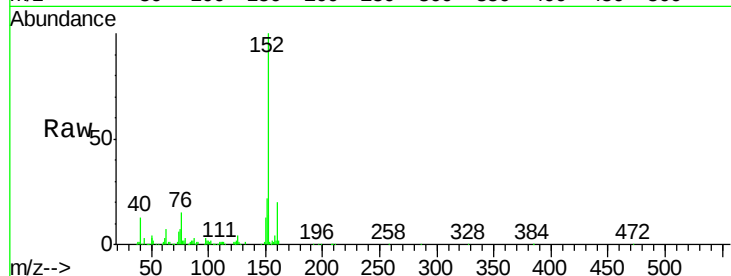
#47
Acenaphthylene
Concen: 3.29 ng/ul
RT: 14.53 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
ClientSampled :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.2	17.5	26.3
153	14.5	11.1	16.7

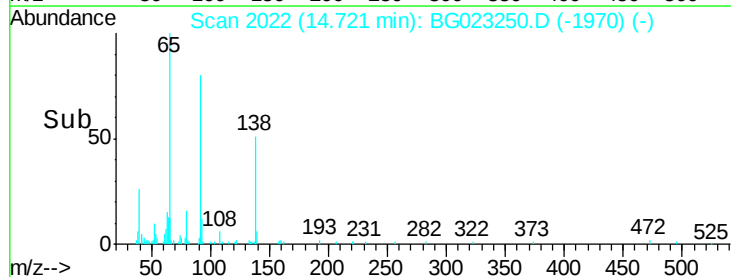
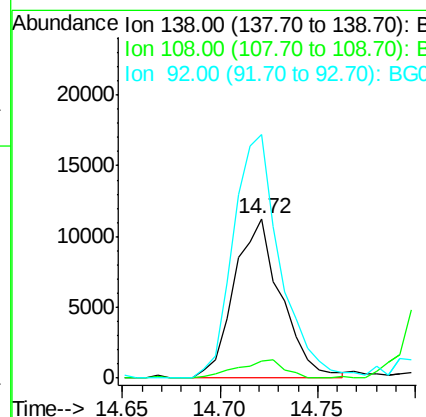
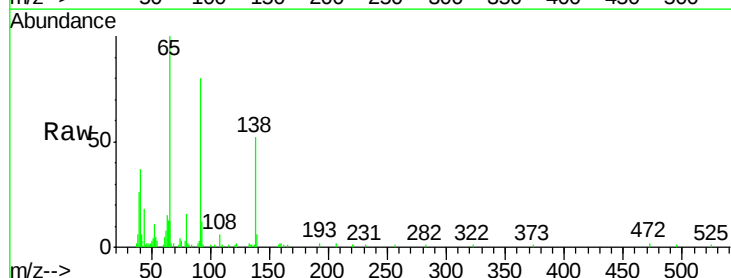
Manual Integrations

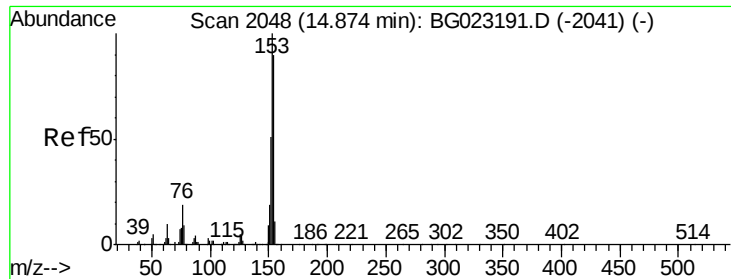
APPROVED
SOHIL
7/26/2016 11:40:34 AM



#48
3-Nitroaniline
Concen: 2.97 ng/ul
RT: 14.72 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	6.2	9.2#
92	152.6	79.3	118.9#





#49

Acenaphthene

Concen: 3.25 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BG023250.D

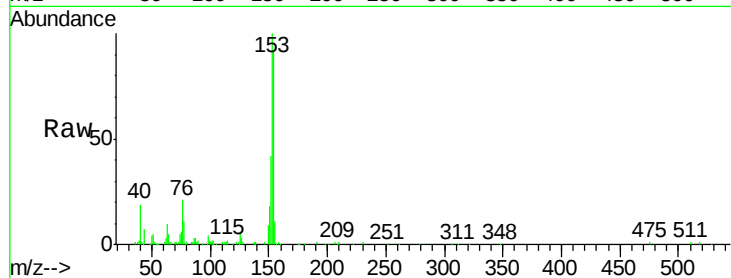
Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

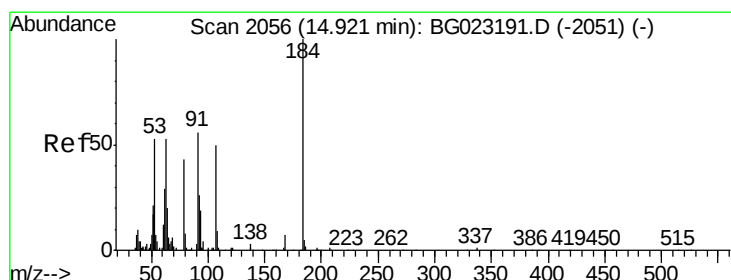
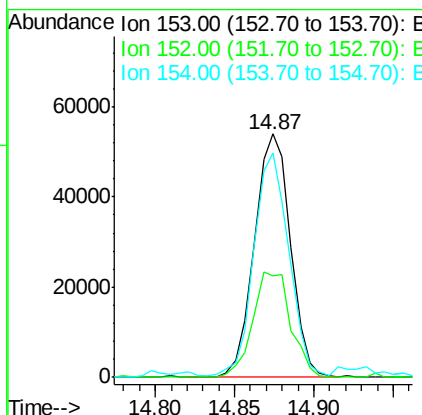
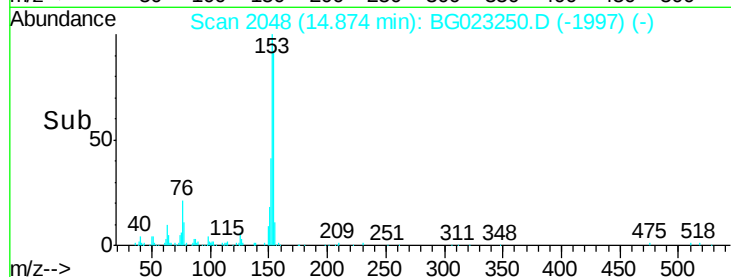


Tgt Ion:	153	Resp:	85270
Ion Ratio	Lower	Upper	
153	100		
152	41.9	37.3	55.9
154	92.3	68.2	102.2

Manual Integrations

SOHIL

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#50

2,4-Dinitrophenol

Concen: 1.49 ng/ul

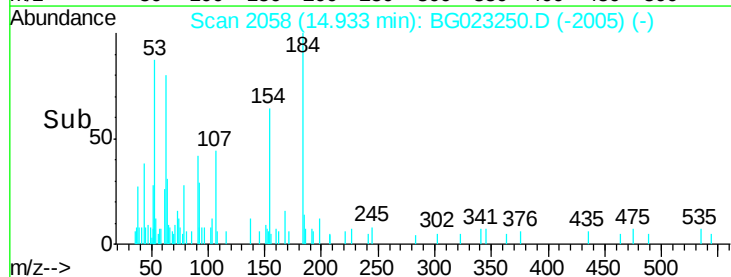
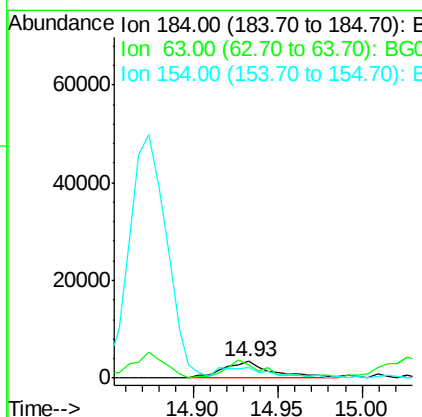
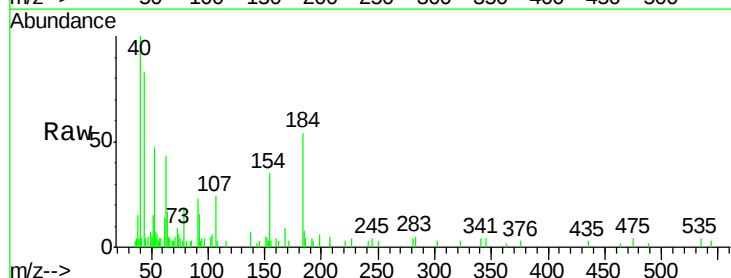
RT: 14.93 min Scan# 2058

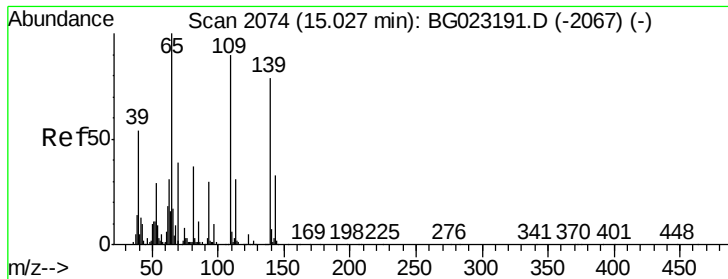
Delta R.T. 0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	184	Resp:	6907
Ion Ratio	Lower	Upper	
184	100		
63	80.4	40.5	60.7#
154	64.2	48.5	72.7





#52

4-Nitrophenol

Concen: 2.47 ng/ul

RT: 15.03 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG023250.D

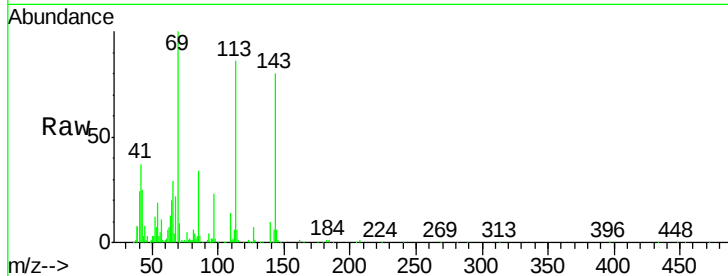
Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

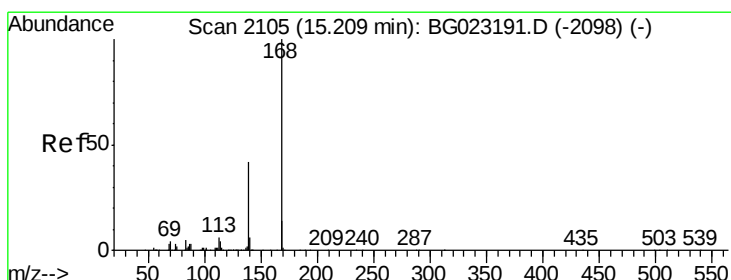
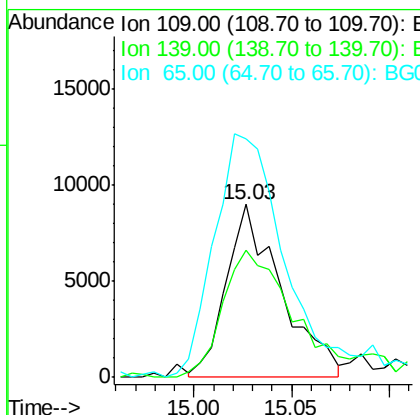
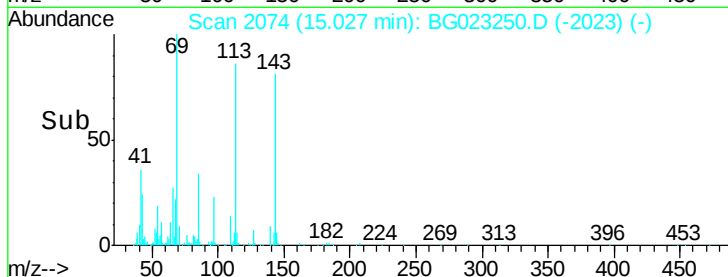


Tgt Ion:	109	Resp:	17506
Ion Ratio	Lower	Upper	
109	100		
139	73.3	136.1	204.1#
65	138.4	106.0	159.0

Manual Integrations

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#53

Dibenzofuran

Concen: 3.32 ng/ul

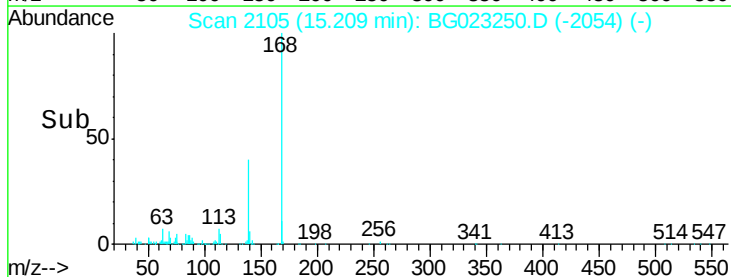
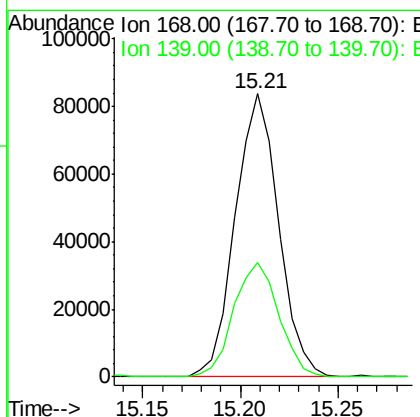
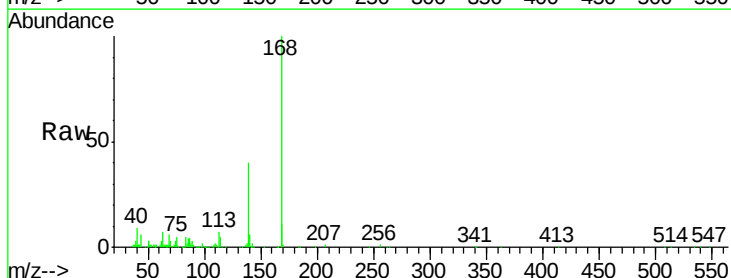
RT: 15.21 min Scan# 2105

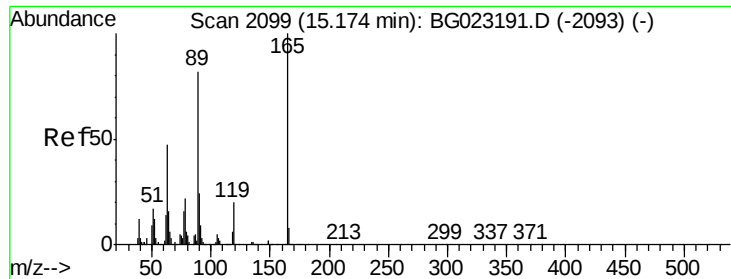
Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	168	Resp:	128424
Ion Ratio	Lower	Upper	
168	100		
139	40.5	27.4	41.0





#54

2,4-Dinitrotoluene

Concen: 2.78 ng/ul

RT: 15.17 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampled :

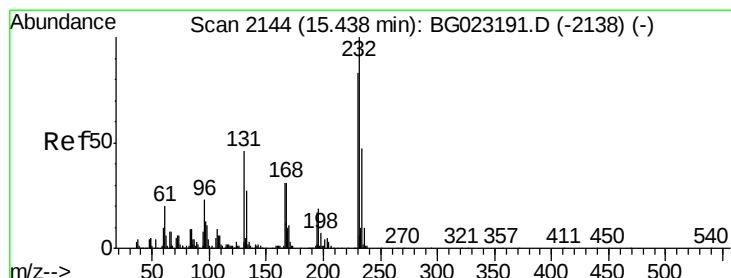
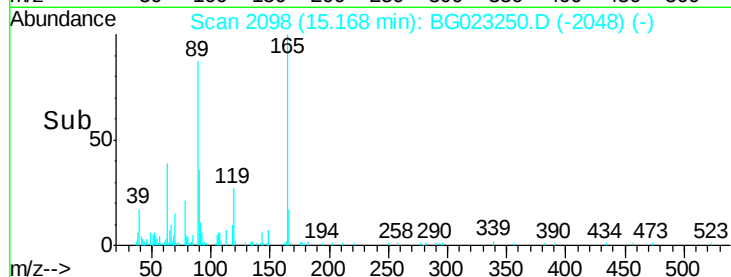
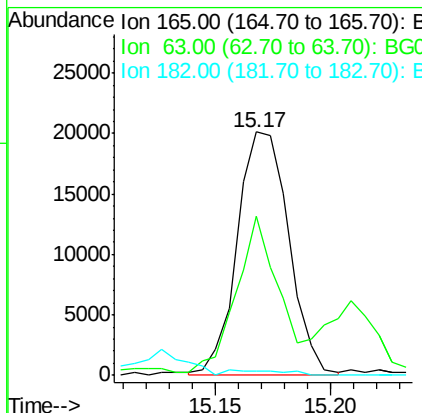
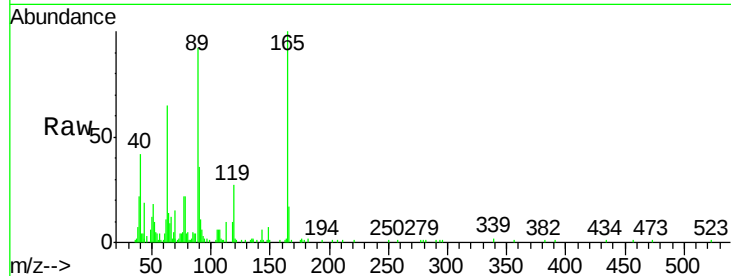
MDL-02-S

Tgt Ion:	165	Resp:	31387
Ion Ratio	Lower	Upper	
165	100		
63	65.1	25.7	38.5#
182	1.9	2.1	3.1#

Manual Integrations

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#55

2,3,4,6-Tetrachlorophenol

Concen: 2.12 ng/ul

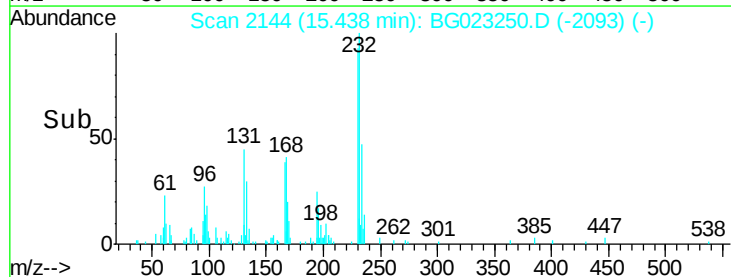
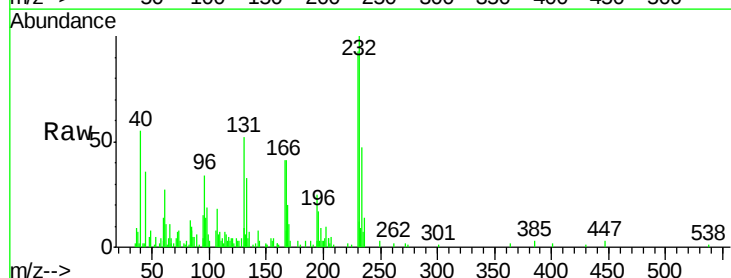
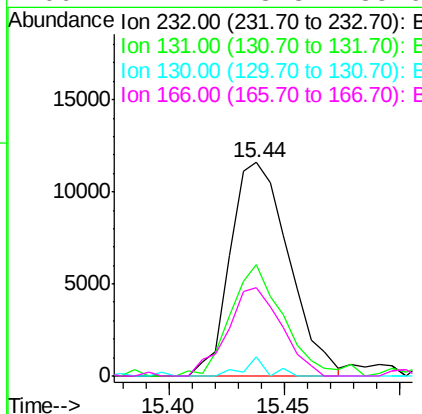
RT: 15.44 min Scan# 2144

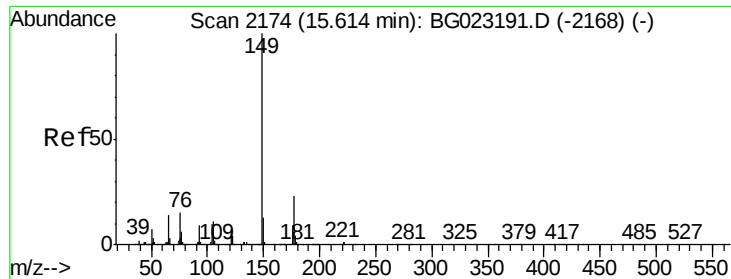
Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	232	Resp:	20423
Ion Ratio	Lower	Upper	
232	100		
131	52.2	34.8	52.2#
130	8.8	2.2	3.2#
166	41.4	23.8	35.6#





#56

Diethylphthalate

Concen: 3.03 ng/ul

RT: 15.61 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

Tgt Ion:149 Resp: 110070

Ion Ratio Lower Upper

149 100

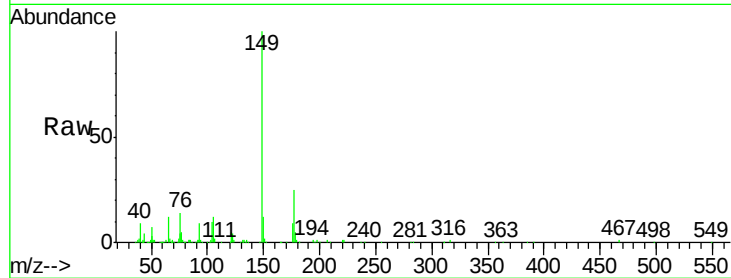
177 24.7 17.4 26.2

150 11.8 9.6 14.4

Manual Integrations

SOHIL

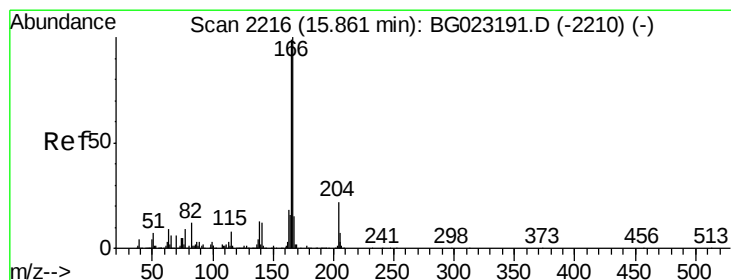
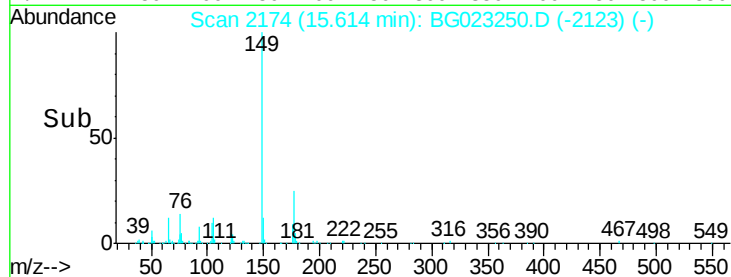
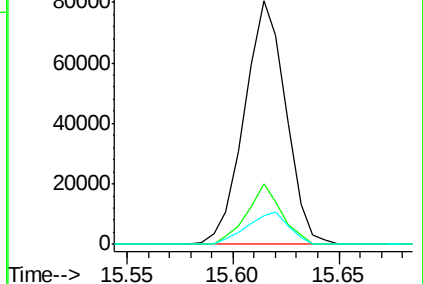
7/26/2016 11:40:34 AM



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: 3.20 ng/ul

RT: 15.86 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

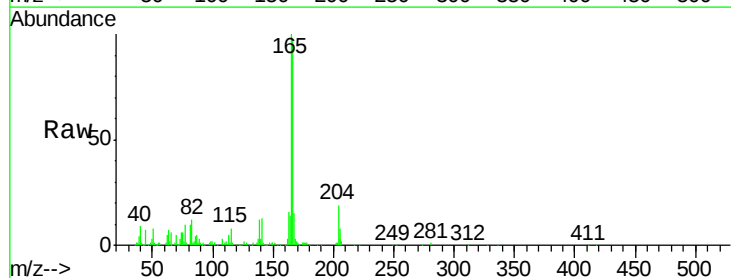
Tgt Ion:166 Resp: 102119

Ion Ratio Lower Upper

166 100

165 103.5 80.3 120.5

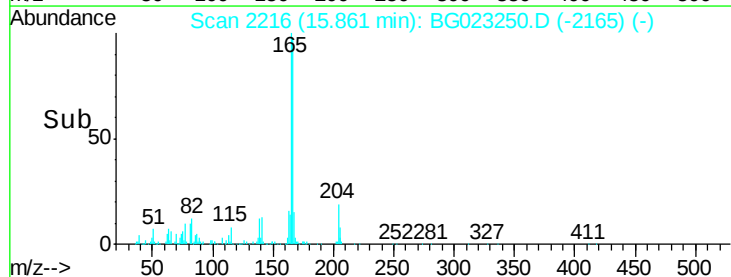
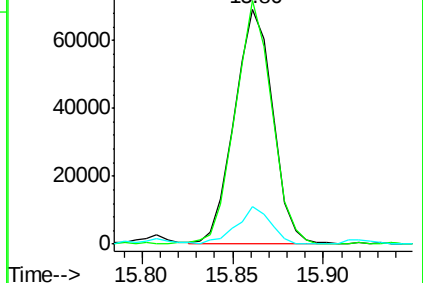
167 15.8 10.3 15.5#

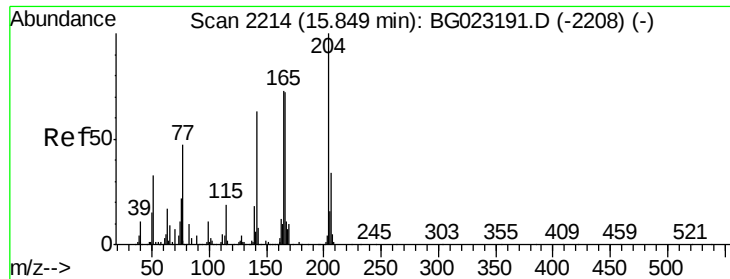


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





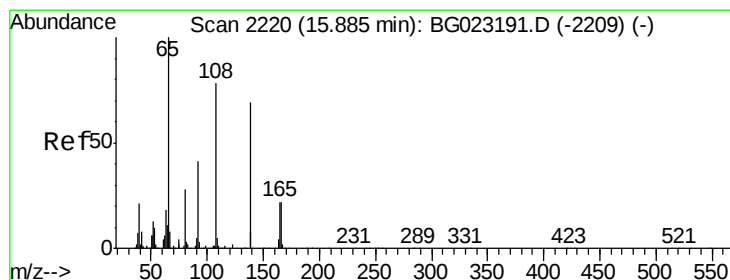
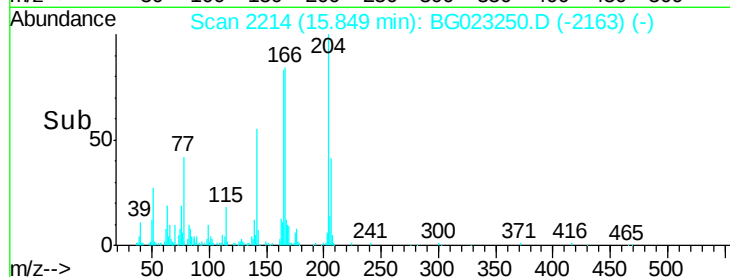
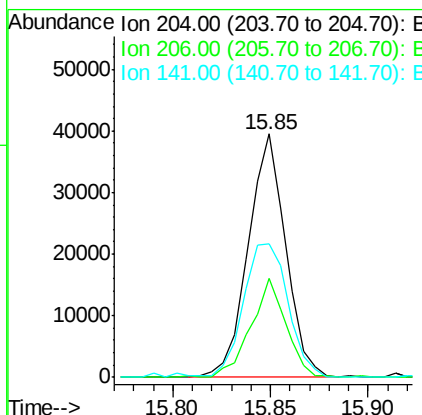
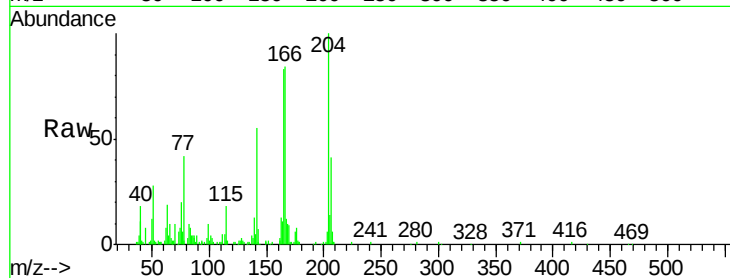
#59
4-Chlorophenyl-phenylether
Concen: 3.00 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
ClientSampled :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
204	100		
206	40.8	27.4	41.2
141	54.7	47.1	70.7

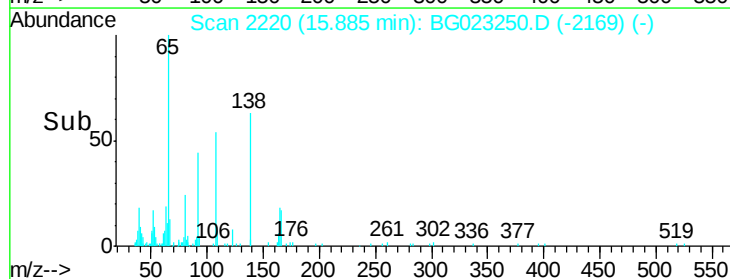
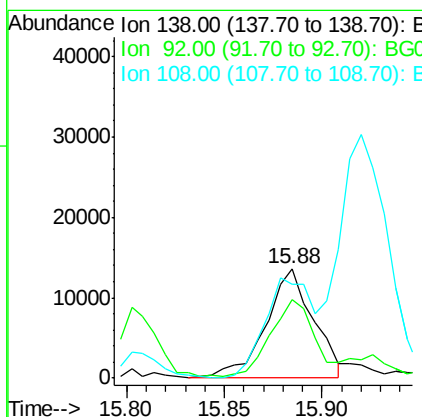
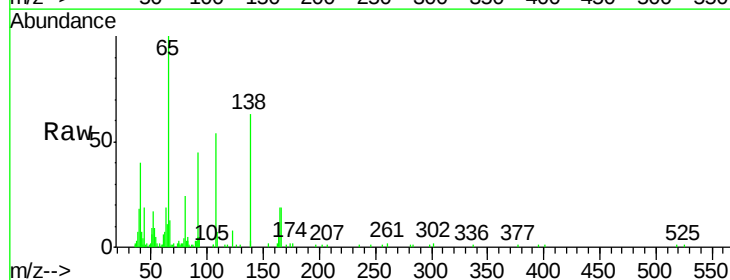
Manual Integrations

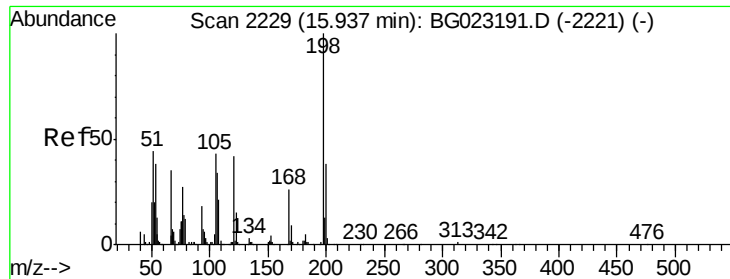
APPROVED
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#60
4-Nitroaniline
Concen: 2.96 ng/ul
RT: 15.88 min Scan# 2220
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	72.1	39.0	58.4#
108	85.6	49.2	73.8#





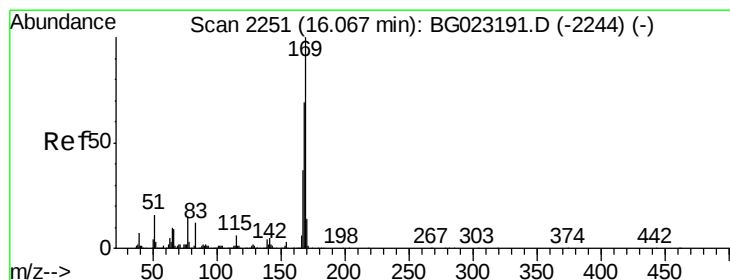
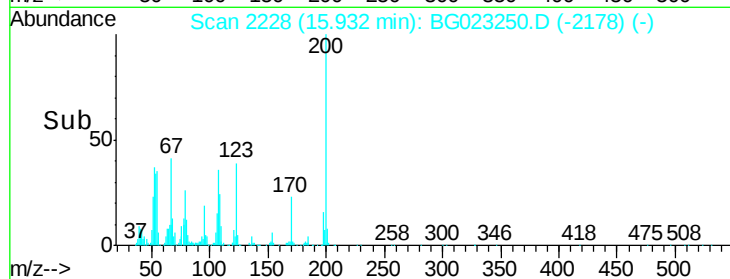
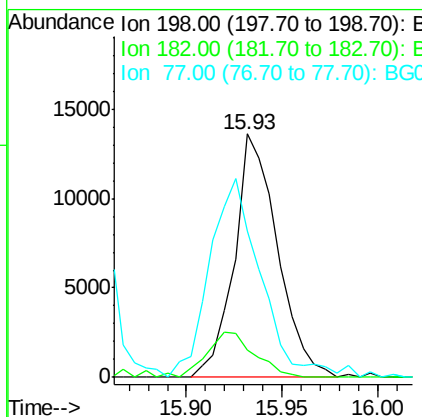
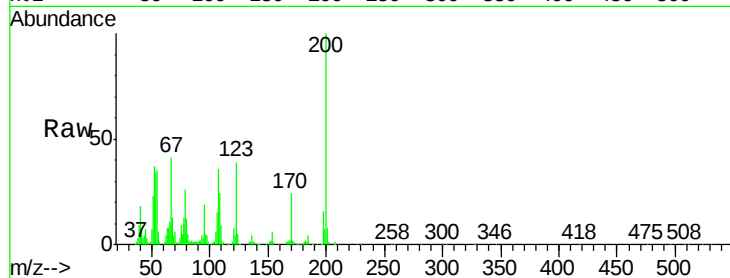
#63
4,6-Dinitro-2-methylphenol
Concen: 3.03 ng/ul m
RT: 15.93 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
198	100		
182	11.1	4.2	6.2#
77	60.0	16.7	25.1#

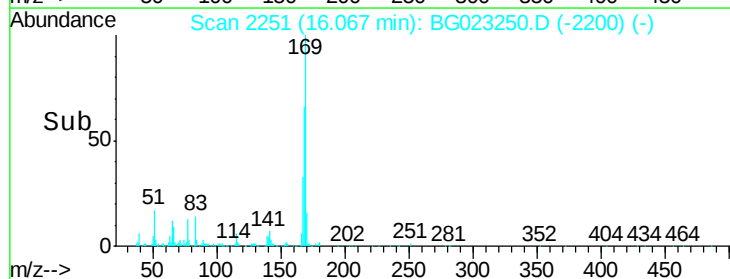
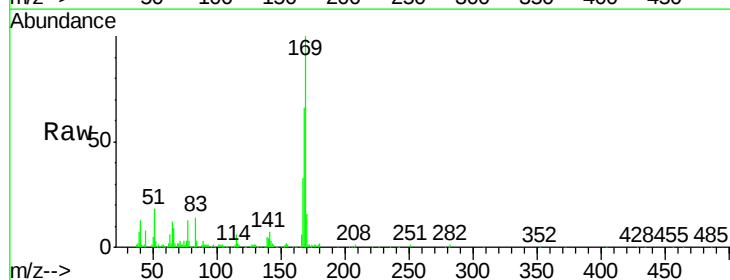
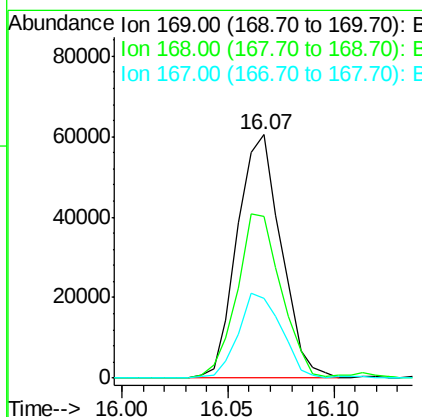
Manual Integrations

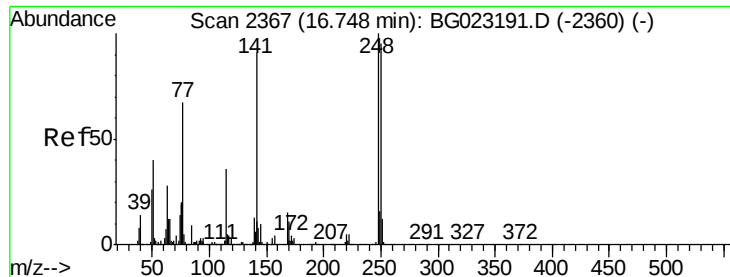
SOHIL
7/26/2016 11:40:34 AM



#64
N-Nitrosodiphenylamine
Concen: 3.11 ng/ul
RT: 16.07 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.2	59.0	88.6
167	32.9	30.6	46.0





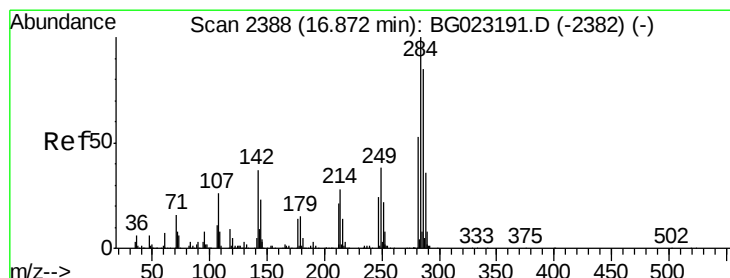
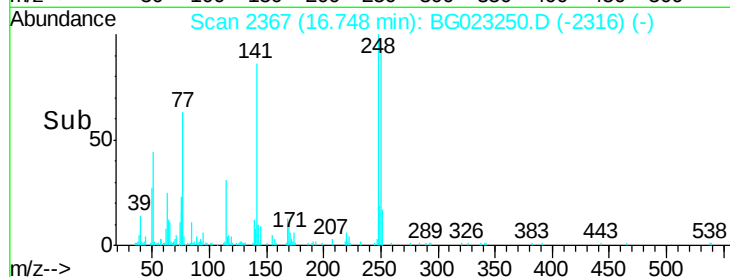
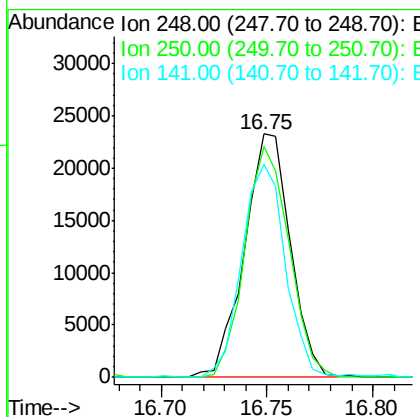
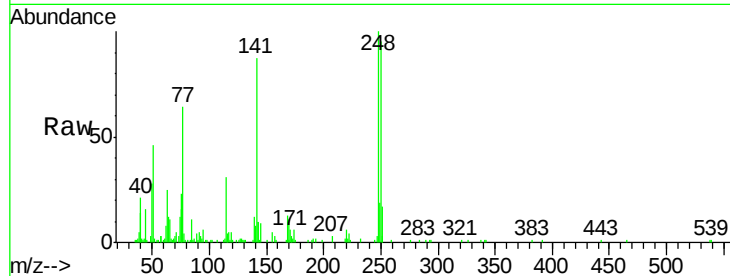
#65
4-Bromophenyl-phenylether
Concen: 3.15 ng/ul
RT: 16.75 min Scan# 2367
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.6	76.6	114.8
141	87.4	61.8	92.6

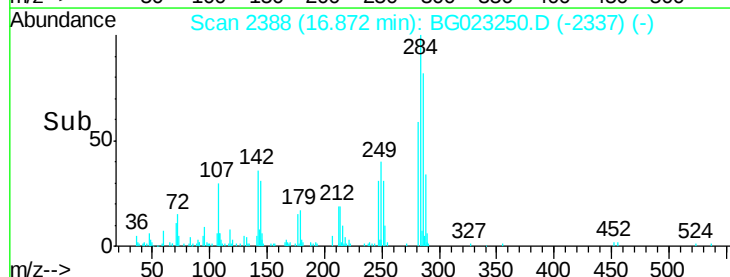
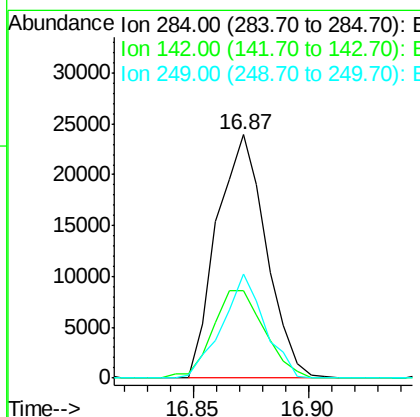
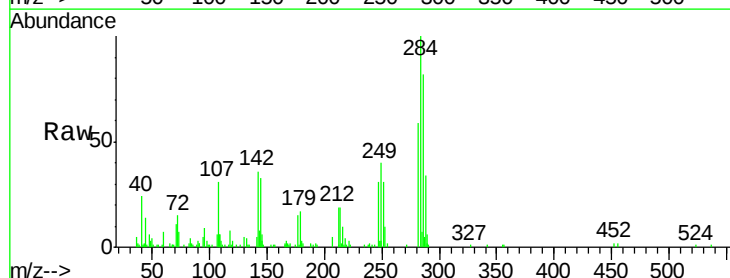
Manual Integrations

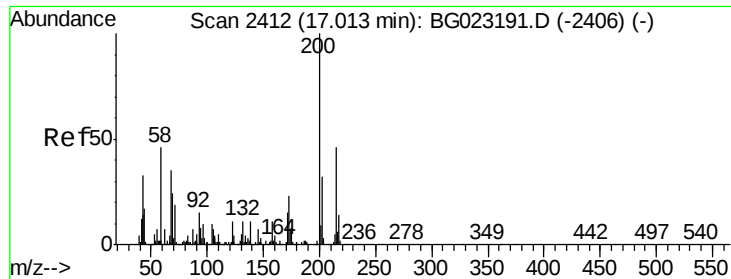
SOHIL
7/26/2016 11:40:34 AM



#66
Hexachlorobenzene
Concen: 3.10 ng/ul
RT: 16.87 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.7	27.8	41.8
249	40.3	24.4	36.6





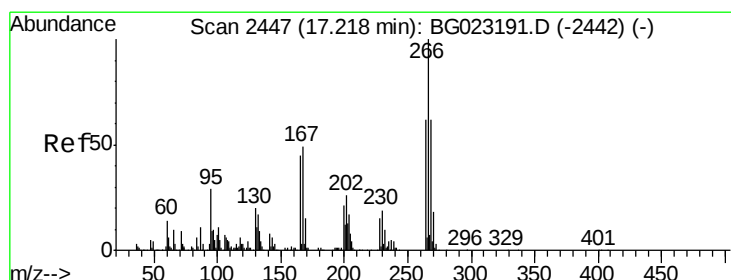
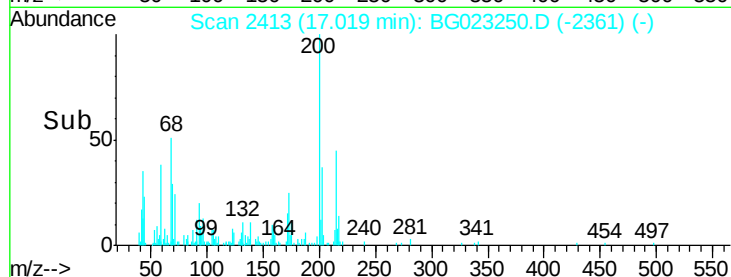
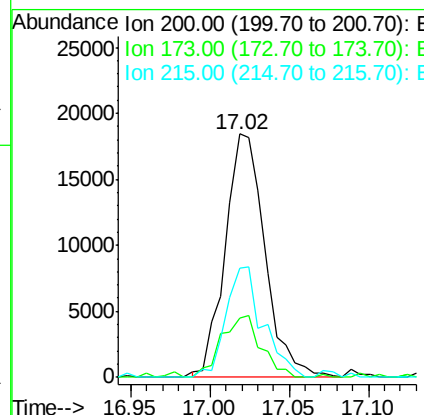
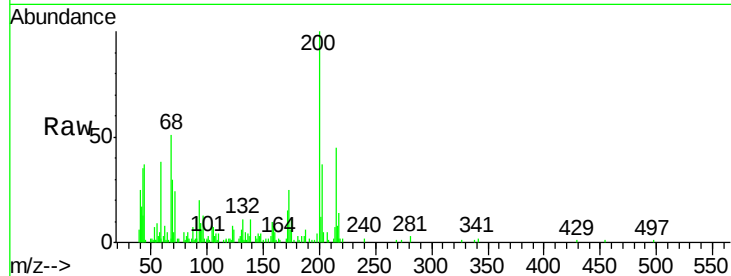
#67
Atrazine
Concen: 2.68 ng/ul
RT: 17.02 min Scan# 2413
Delta R.T. 0.01 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.6	21.0	31.6
215	45.0	37.9	56.9

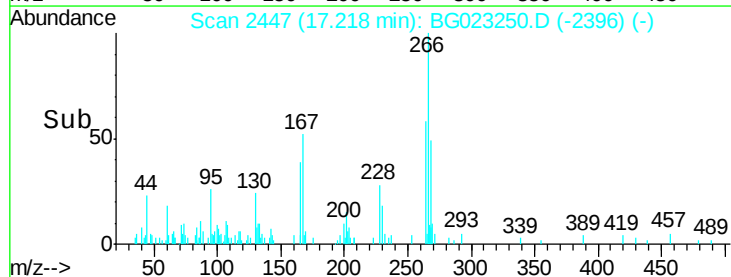
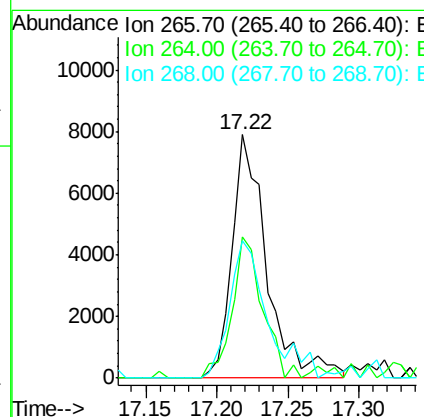
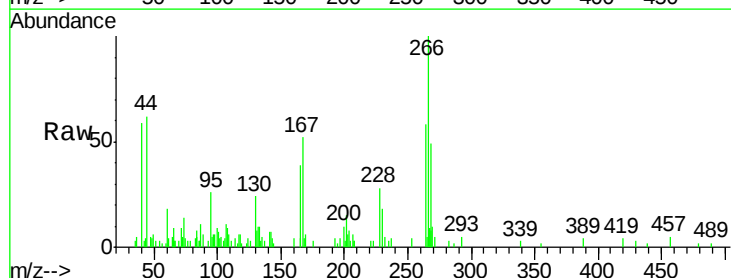
Manual Integrations

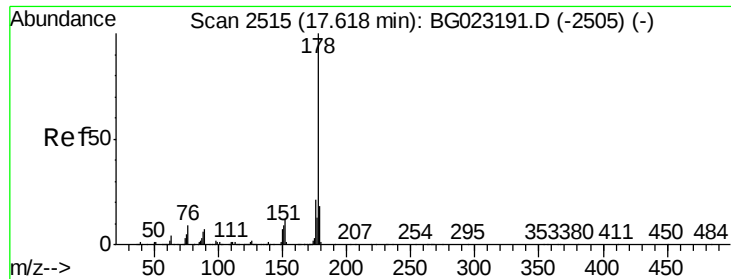
SOHIL
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#68
Pentachlorophenol
Concen: 1.90 ng/ul m
RT: 17.22 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
266	100		
264	58.0	54.7	82.1
268	48.7	57.8	86.8#





#69

Phenanthrene

Concen: 3.41 ng/ul m

RT: 17.61 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampled :

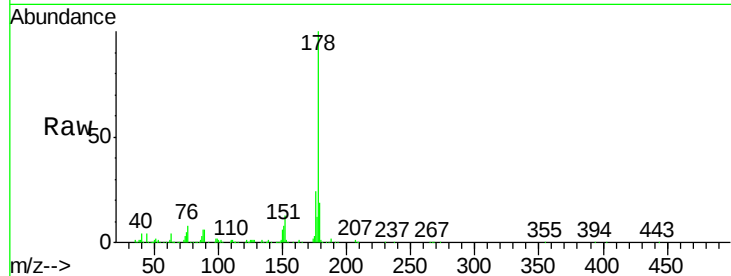
MDL-02-S

Tgt Ion:	178	Resp:	170531
Ion Ratio	Lower	Upper	
178	100		
179	18.8	12.9	19.3
176	24.2	15.8	23.8#

Manual Integrations

SOHIL

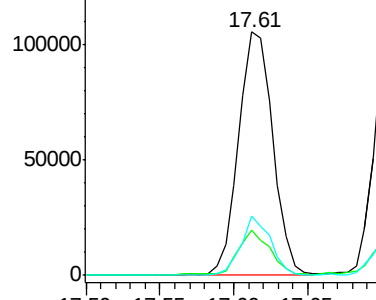
7/26/2016 11:40:34 AM



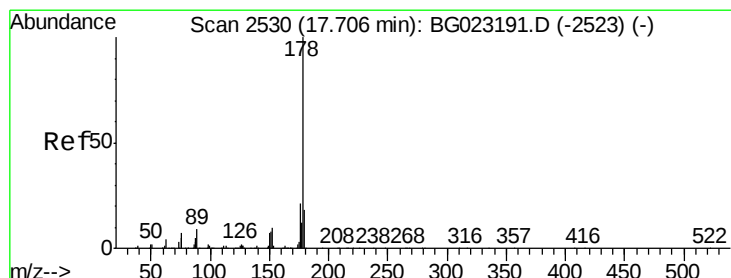
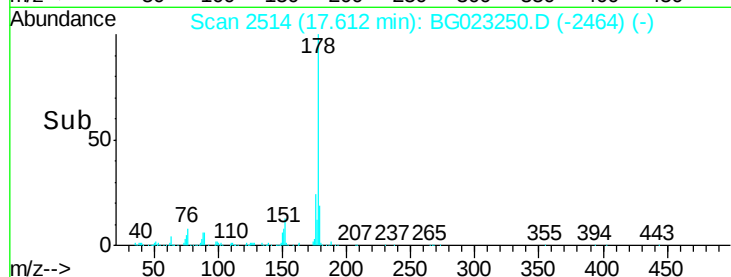
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.50 17.55 17.60 17.65



#71

Anthracene

Concen: 3.47 ng/ul

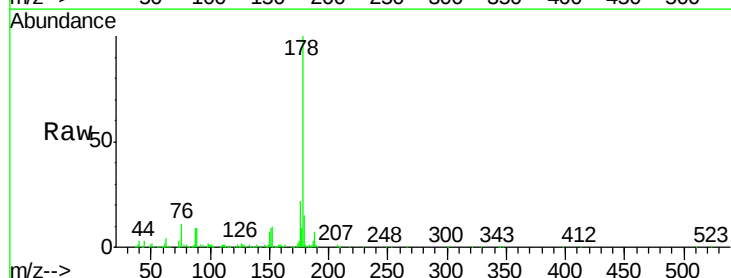
RT: 17.71 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

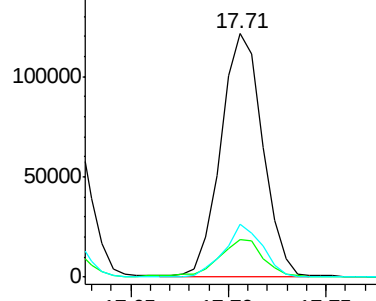
Tgt Ion:	178	Resp:	181980
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.3	18.5
176	21.8	16.3	24.5



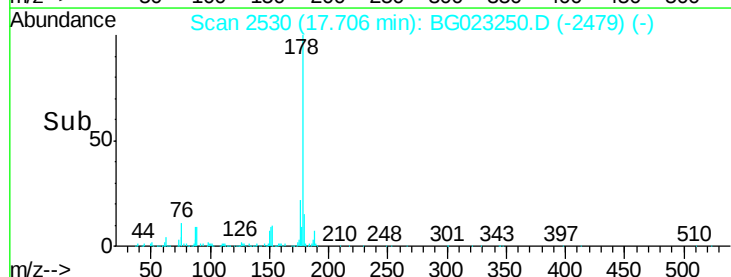
Abundance Ion 178.00 (177.70 to 178.70): E

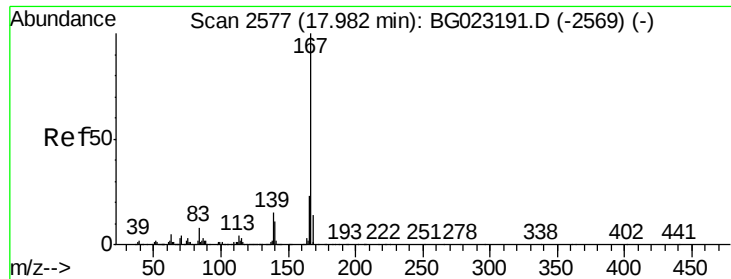
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.65 17.70 17.75





#72

Carbazole

Concen: 3.49 ng/ul

RT: 17.98 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BG023250.D

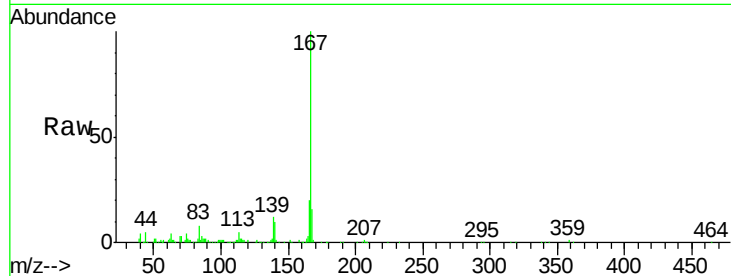
Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

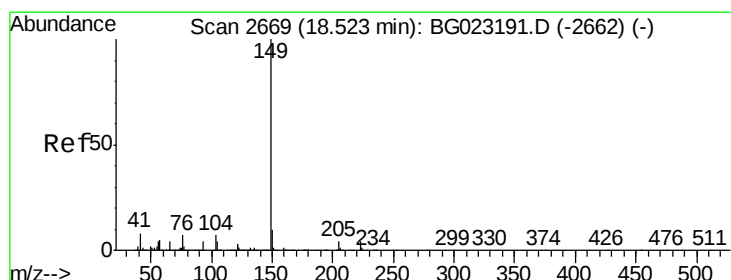
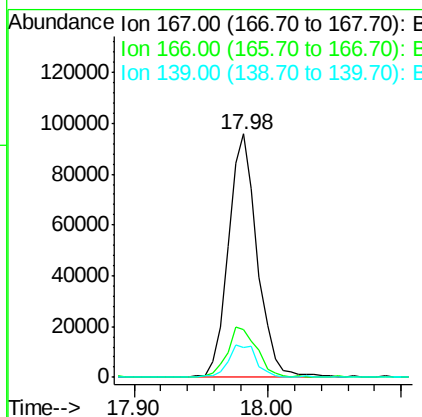
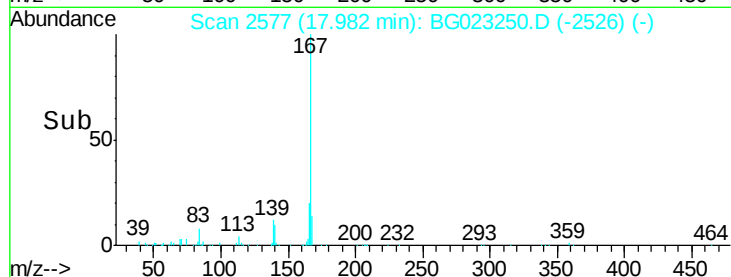


Tgt Ion:	167	Resp:	144275
Ion Ratio	Lower	Upper	
167	100		
166	19.8	19.2	28.8
139	12.2	10.2	15.4

Manual Integrations

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#73

Di-n-butylphthalate

Concen: 3.16 ng/ul m

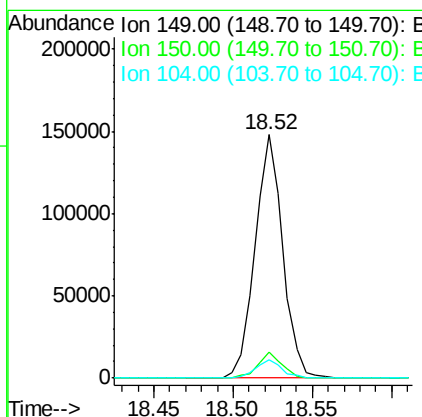
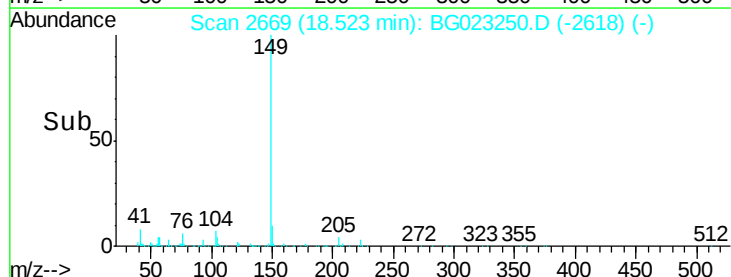
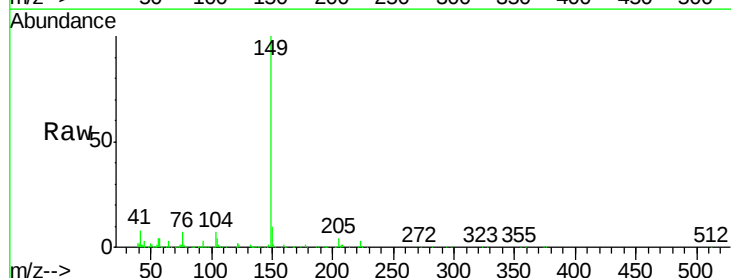
RT: 18.52 min Scan# 2669

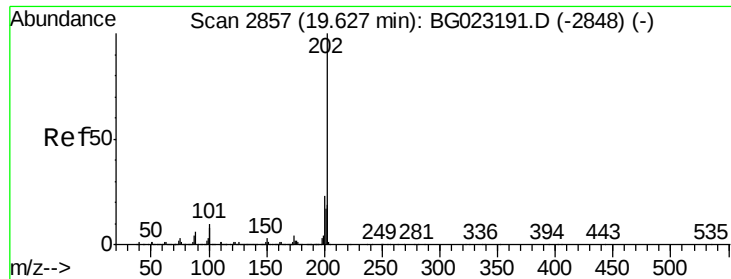
Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	149	Resp:	180687
Ion Ratio	Lower	Upper	
149	100		
150	10.5	7.1	10.7
104	7.4	3.3	4.9





#74

Fluoranthene

Concen: 3.83 ng/ul m

RT: 19.63 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

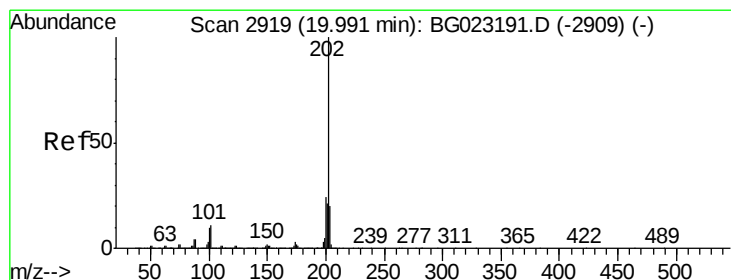
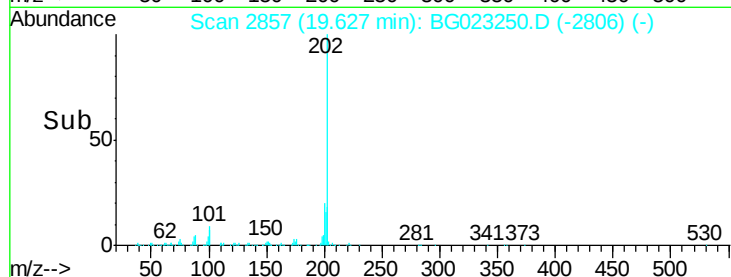
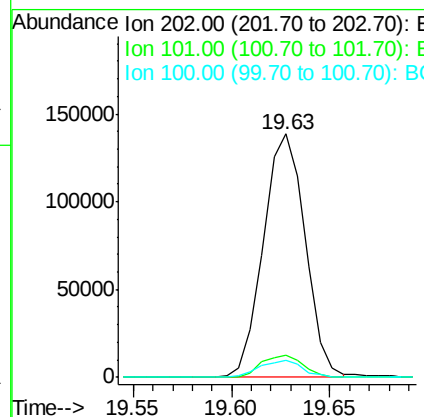
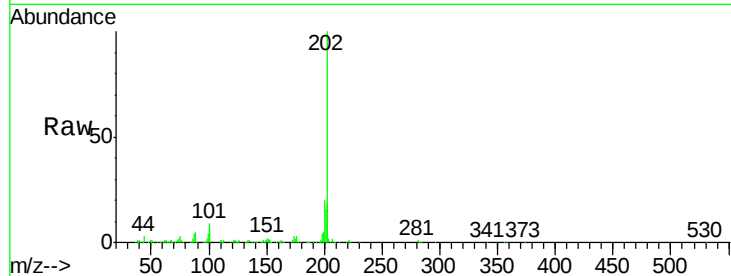
MDL-02-S

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		201315		
101	9.3	10.6	16.0#		
100	7.0	8.7	13.1#		

Manual Integrations

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#77

Pyrene

Concen: 3.61 ng/ul m

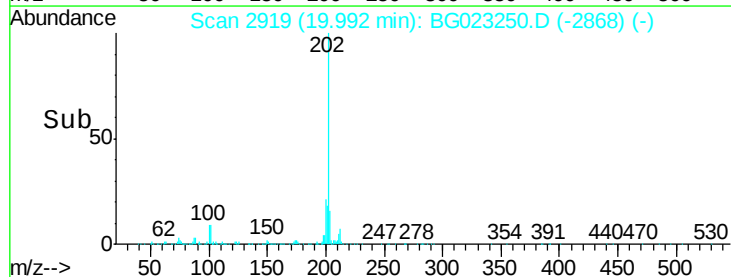
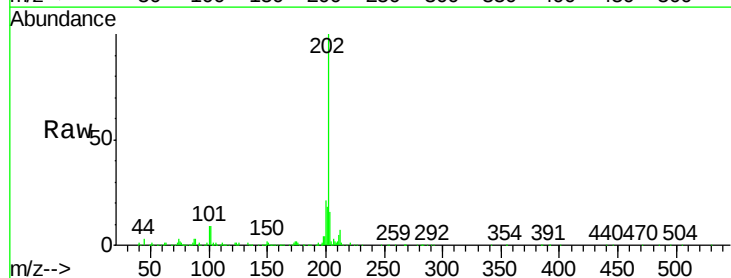
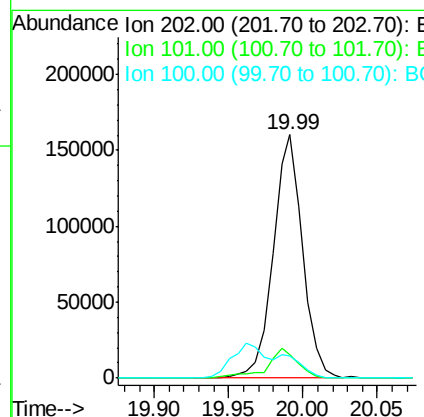
RT: 19.99 min Scan# 2919

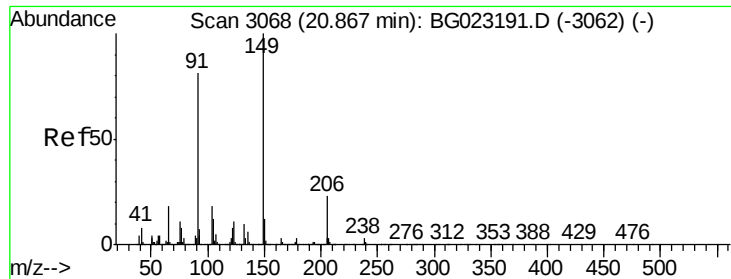
Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		220234		
101	9.4	12.5	18.7#		
100	8.9	10.2	15.4#		





#78

Butylbenzylphthalate

Concen: 2.74 ng/ul m

RT: 20.87 min Scan# 3068

Delta R.T. 0.00 min

Lab File: BG023250.D

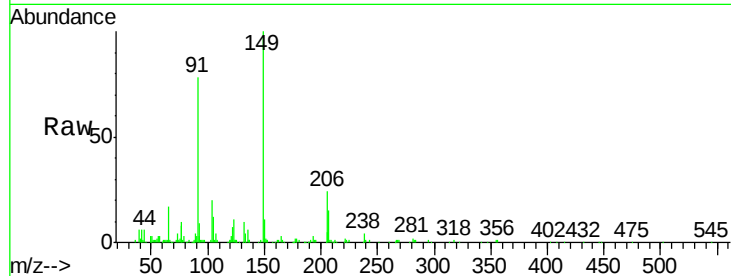
Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

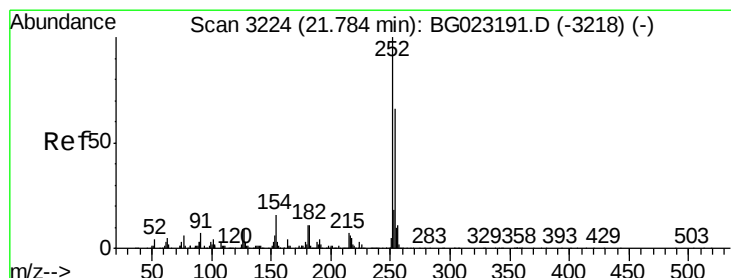
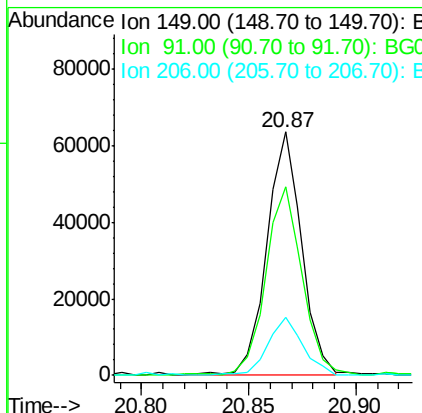
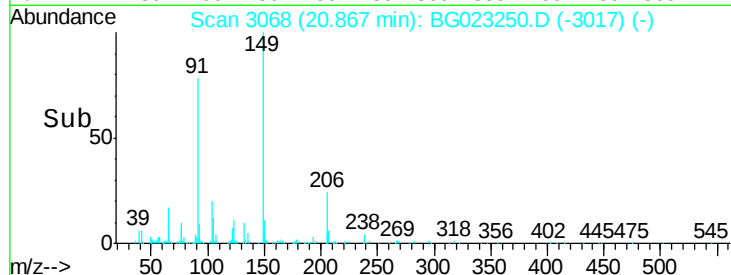


Tgt Ion:	149	Resp:	72508
Ion Ratio	Lower	Upper	
149	100		
91	77.6	54.2	81.4
206	24.0	14.1	21.1#

Manual Integrations

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#79

3,3'-Dichlorobenzidine

Concen: 2.74 ng/ul m

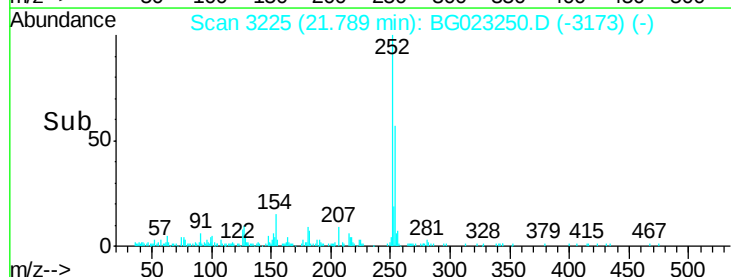
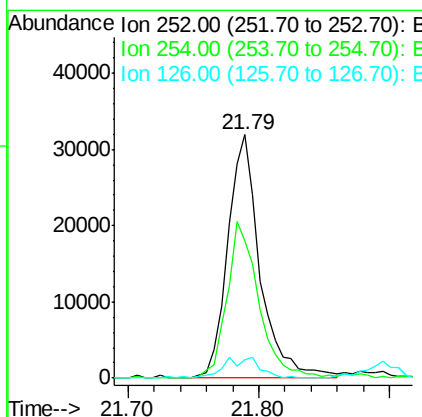
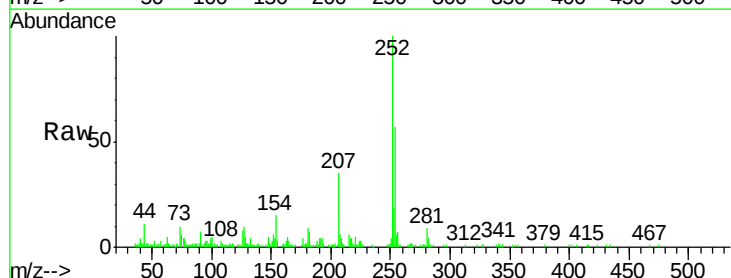
RT: 21.79 min Scan# 3225

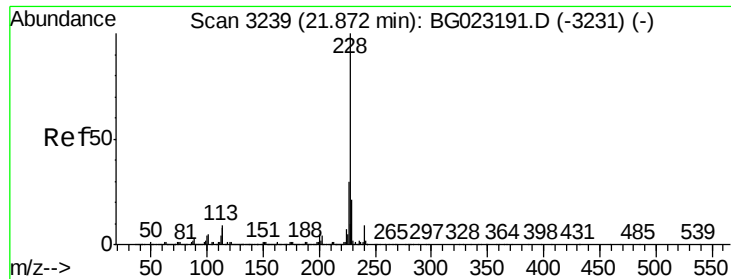
Delta R.T. 0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	252	Resp:	54864
Ion Ratio	Lower	Upper	
252	100		
254	56.6	51.4	77.2
126	7.5	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: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

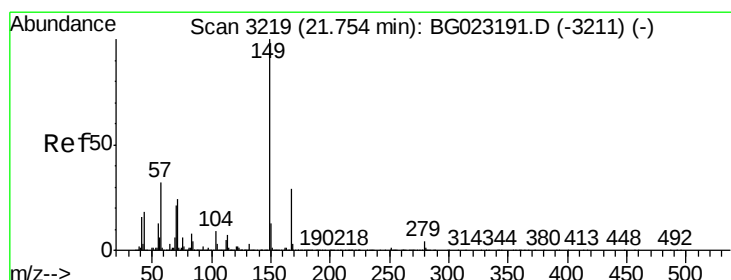
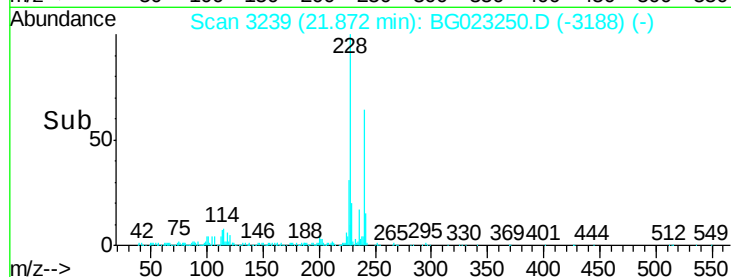
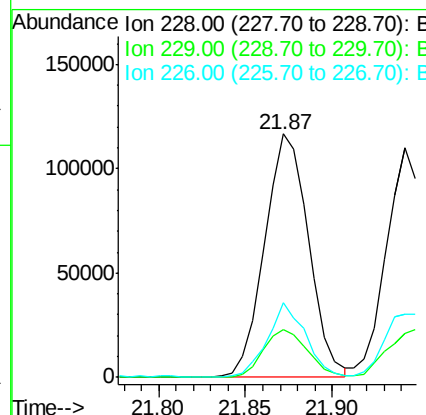
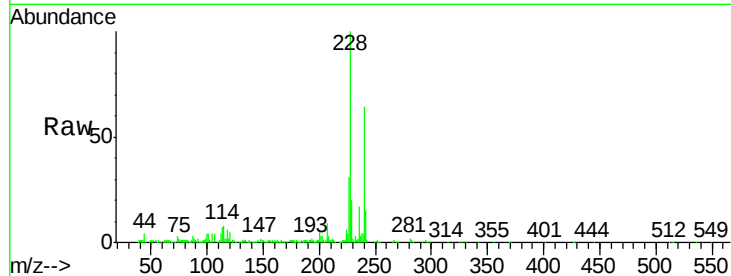
MDL-02-S

Tgt Ion:	228	Resp:	204263
Ion Ratio	Lower	Upper	
228	100		
229	19.5	15.4	23.2
226	30.5	22.8	34.2

Manual Integrations

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#81

Bis(2-ethylhexyl)phthalate

Concen: 2.94 ng/ul m

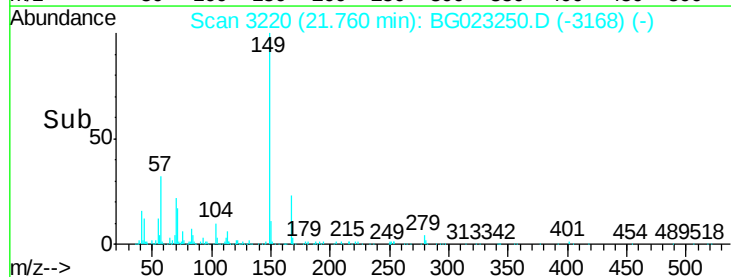
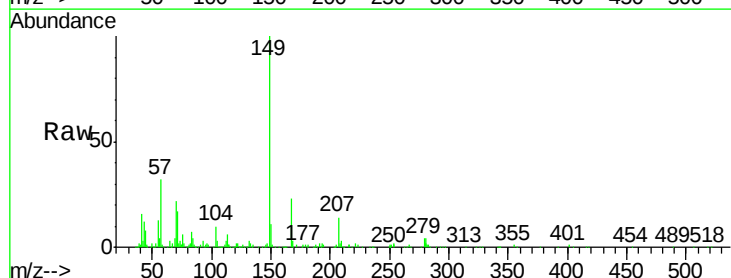
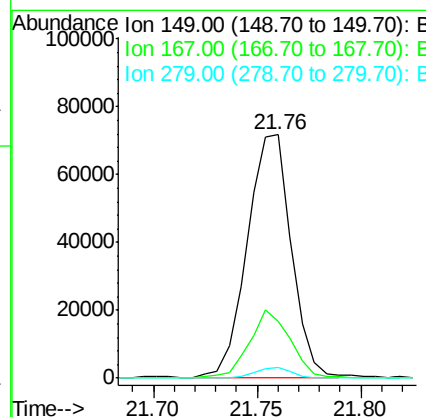
RT: 21.76 min Scan# 3220

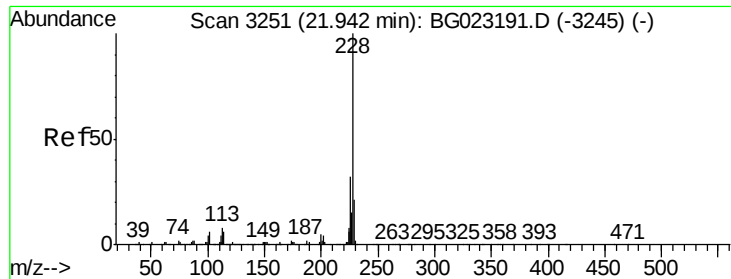
Delta R.T. 0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion:	149	Resp:	106512
Ion Ratio	Lower	Upper	
149	100		
167	23.2	21.9	32.9
279	4.5	2.9	4.3#





#82

Chrysene

Concen: 3.35 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

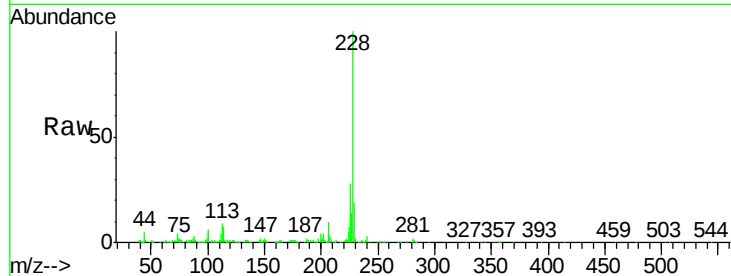
MDL-02-S

Tgt Ion:	228	Resp:	181104
Ion Ratio	Lower	Upper	
228	100		
226	27.8	24.2	36.4
229	19.4	15.0	22.6

Manual Integrations

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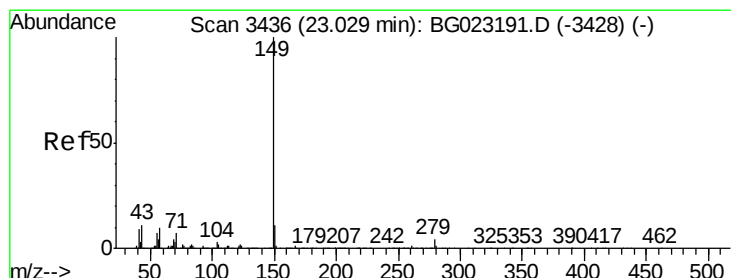
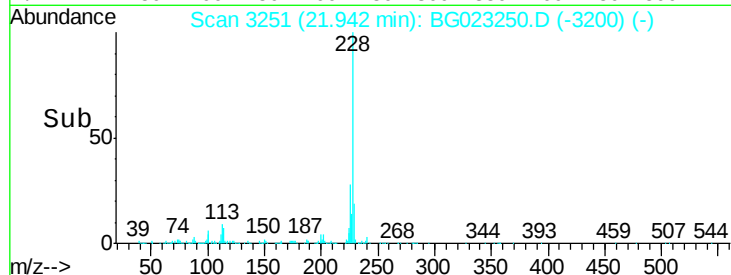
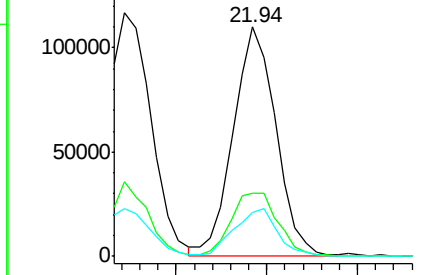


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.94



#84

Di-n-octyl phthalate

Concen: 3.25 ng/ul

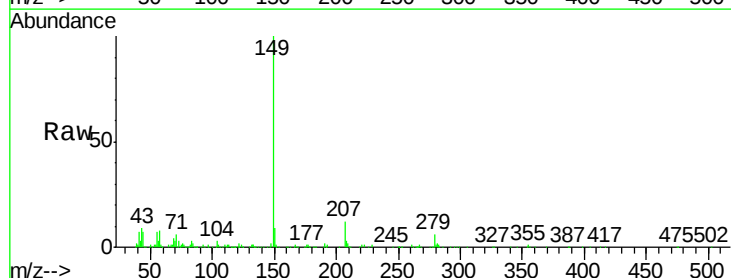
RT: 23.03 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BG023250.D

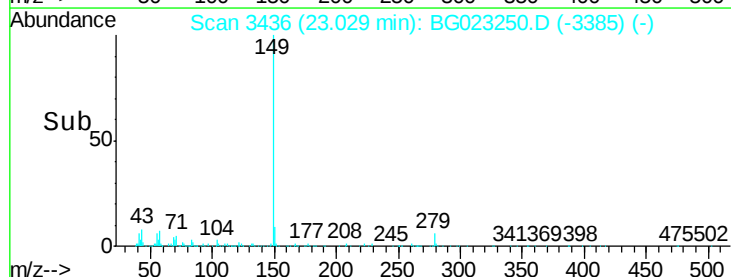
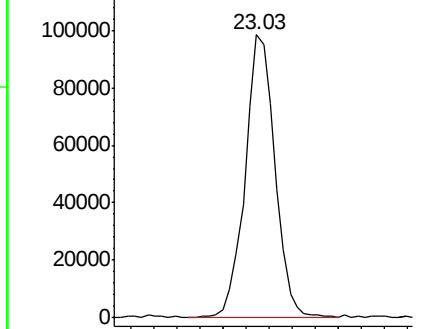
Acq: 25 Jul 2016 13:01

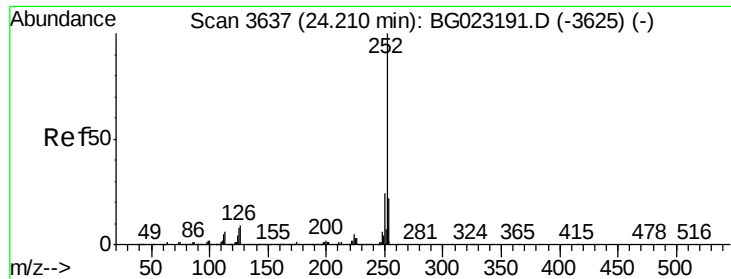
Tgt Ion:149 Resp: 176564



Abundance Ion 149.00 (148.70 to 149.70): E

23.03





#85

Benzo(b)fluoranthene

Concen: 3.30 ng/ul

RT: 24.22 min Scan# 3638

Delta R.T. 0.01 min

Lab File: BG023250.D

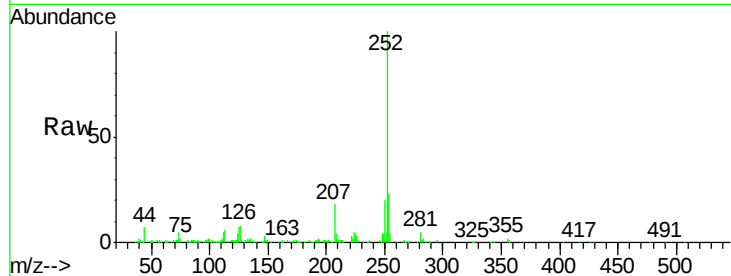
Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

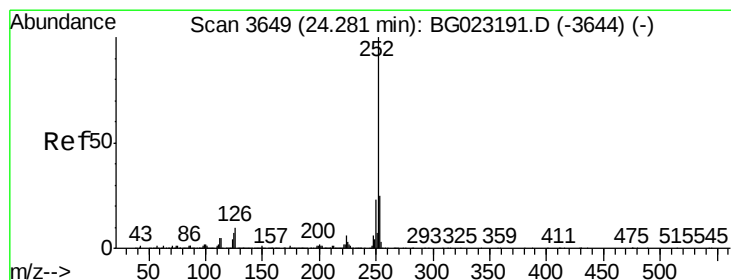
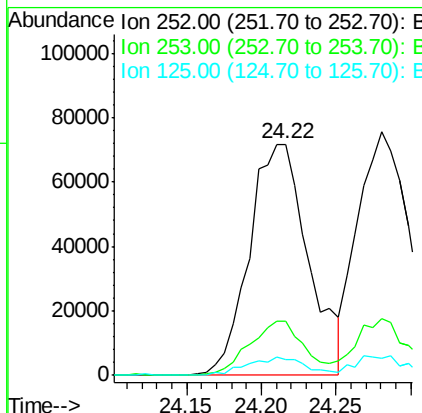
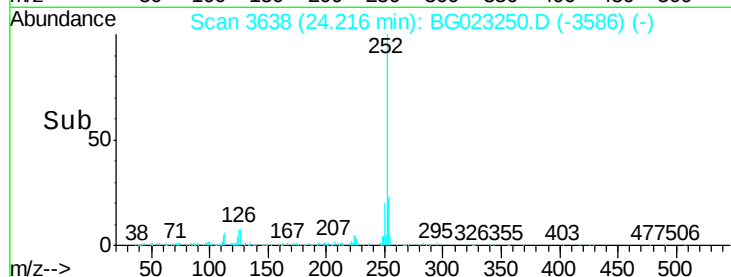


Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	6.9	10.8	16.2

Manual Integrations

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#86

Benzo(k)fluoranthene

Concen: 3.28 ng/ul

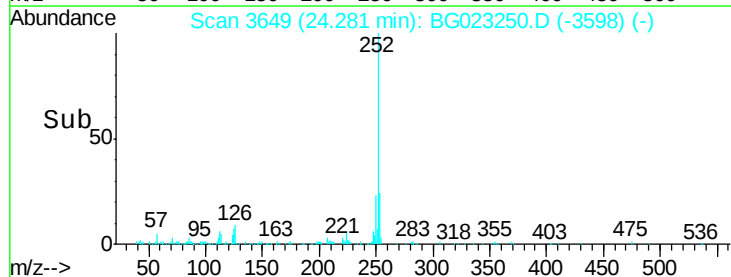
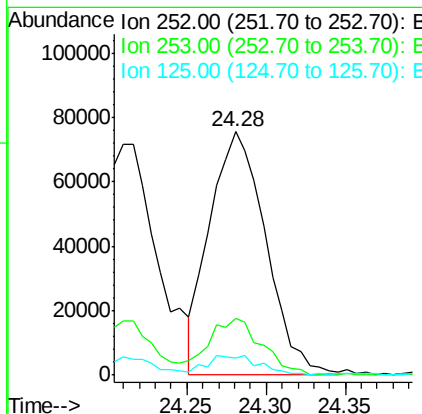
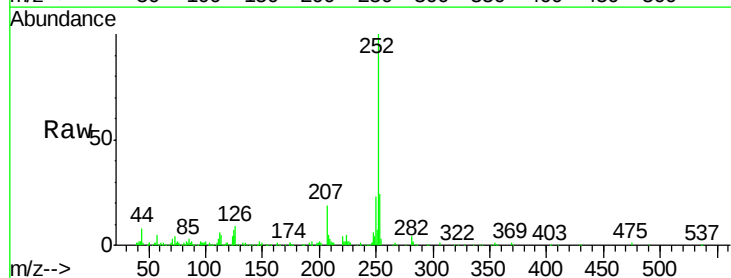
RT: 24.28 min Scan# 3649

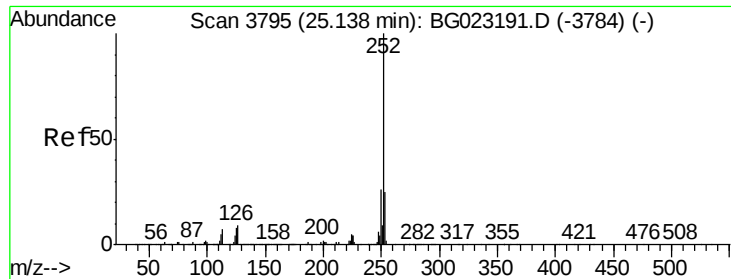
Delta R.T. 0.00 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	15.8	23.6
125	7.1	10.6	16.0





#88

Benzo(a)pyrene

Concen: 3.41 ng/ul m

RT: 25.14 min Scan# 3795

Delta R.T. 0.00 min

Lab File: BG023250.D

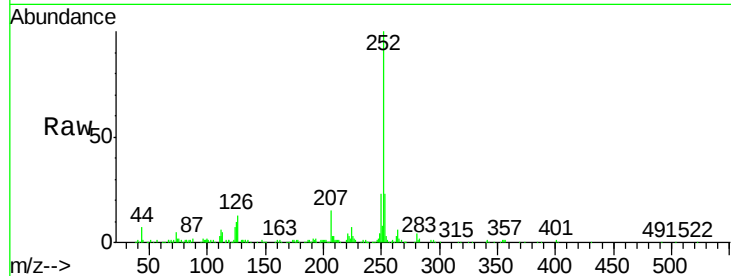
Acq: 25 Jul 2016 13:01

Instrument :

BNA_G

ClientSampleId :

MDL-02-S

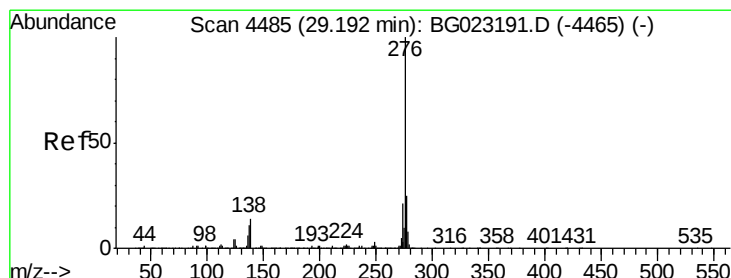
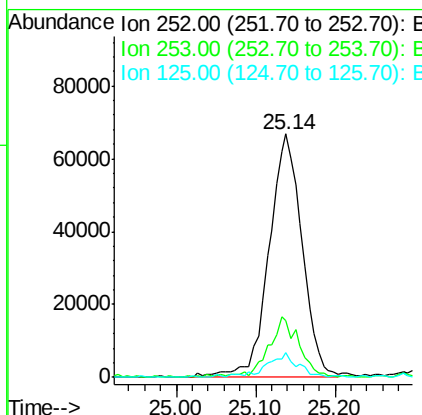
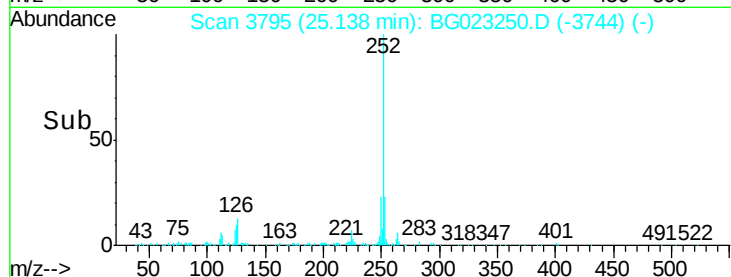


Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.4
125	10.2	12.0	18.0#

Manual Integrations

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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.03 ng/ul m

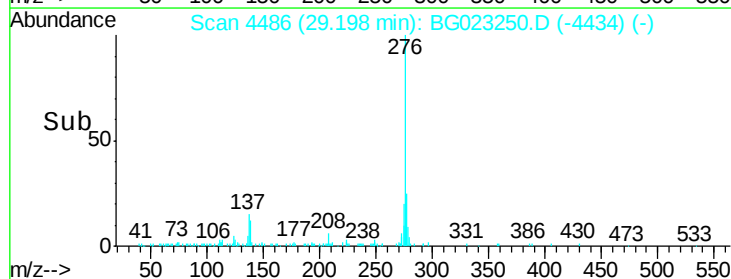
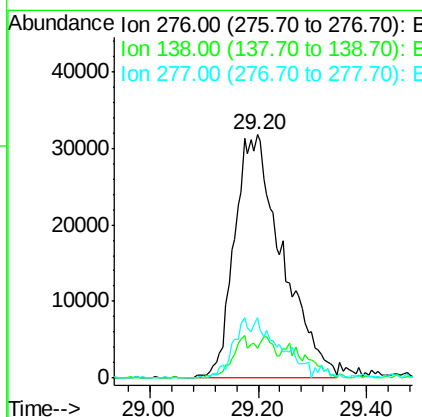
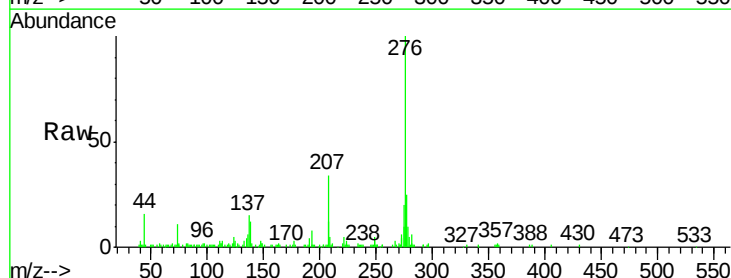
RT: 29.20 min Scan# 4486

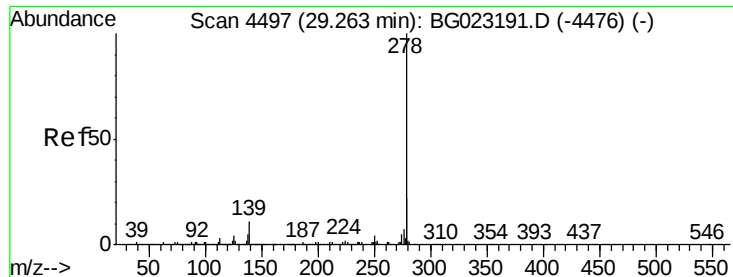
Delta R.T. 0.01 min

Lab File: BG023250.D

Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.4	20.8	31.2#
277	25.1	17.6	26.4





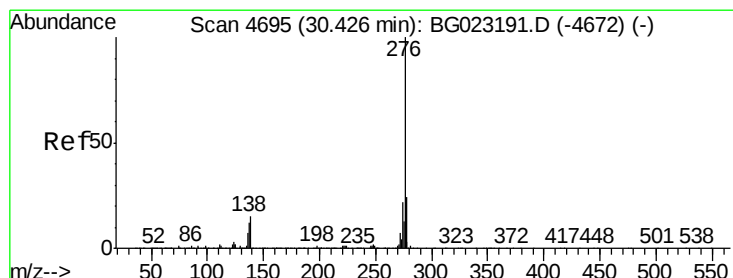
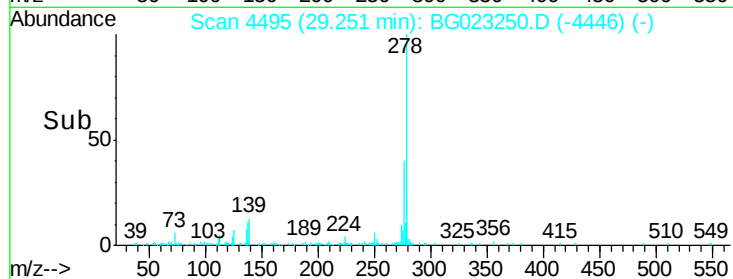
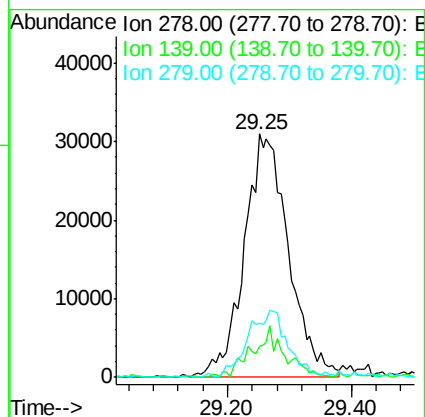
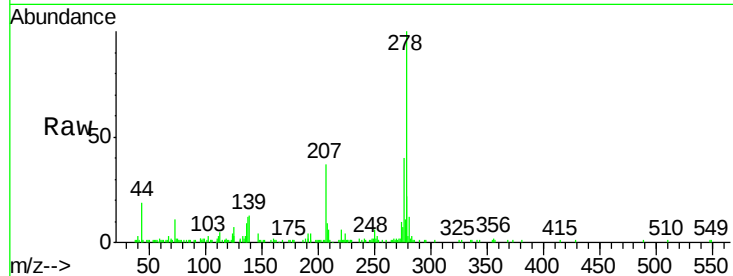
#90
Dibenzo(a,h)anthracene
Concen: 2.93 ng/ul m
RT: 29.25 min Scan# 4495
Delta R.T. -0.01 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Instrument :
BNA_G
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.8	16.3	24.5#
279	22.0	19.1	28.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 3.14 ng/ul m
RT: 30.42 min Scan# 4694
Delta R.T. -0.01 min
Lab File: BG023250.D
Acq: 25 Jul 2016 13:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	22.1	33.1#
277	17.4	17.0	25.4

