

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
 Data File : BG023255.D
 Acq On : 25 Jul 2016 16:22
 Operator : UM/SJ
 Sample : MDL-07-S
 Misc : MDL 4PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S

Manual Integrations

APPROVED
 SOHIL
 7/26/2016 11:40:52 AM

Quant Time: Jul 25 17:01:51 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	124374	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	599868	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	426481	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	985826m	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1018342m	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	985717	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	8504	3.09	ng/uL	0.00
5) Phenol-d5	7.29	99	400963	31.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	295316	34.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	281054	32.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	312460	31.32	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	158525	33.04	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	183904	32.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	309113	29.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	435318	39.91	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1203074	33.93	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1384716	34.36	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	178269	28.49	ng/ul	0.00
57) Fluorene-d10	15.81	176	1065762	33.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	211789m	31.22	ng/ul	0.00
70) Anthracene-d10	17.67	188	1654477	35.85	ng/ul	0.00
76) Pyrene-d10	19.97	212	1849583	35.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1711255	36.98	ng/ul	0.00

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.54	88	2481	0.84	ng/uL#	79
4) Benzaldehyde	7.27	77	30401	3.82	ng/ul	91
6) Phenol	7.32	94	39566	2.97	ng/ul#	68
8) Bis(2-Chloroethyl)ether	7.54	93	33807	3.37	ng/ul#	79
10) 2-Chlorophenol	7.70	128	26795	3.03	ng/ul#	63
11) 2-Methylphenol	8.58	108	27730	2.81	ng/ul	82
12) 2,2'-oxybis(1-Chloropropan	8.67	45	46641	3.44	ng/ul	98
14) Acetophenone	8.97	105	53085	3.06	ng/ul#	70
15) N-Nitroso-di-n-propylamine	8.94	70	32624	2.85	ng/ul#	82
16) 4-Methylphenol	8.91	108	33032	3.01	ng/ul	93
17) Hexachloroethane	9.24	117	11744	2.80	ng/ul	89
20) Nitrobenzene	9.35	77	49700	3.21	ng/ul#	70
21) Isophorone	9.88	82	87969	2.98	ng/ul	100
23) 2-Nitrophenol	10.08	139	16776	2.81	ng/ul#	39
24) 2,4-Dimethylphenol	10.12	107	40321m	2.94	ng/ul	
25) Bis(2-Chloroethoxy)methane	10.36	93	48690	2.98	ng/ul#	95
27) 2,4-Dichlorophenol	10.62	162	31266	3.00	ng/ul#	86
28) Naphthalene	11.03	128	100186	3.32	ng/ul	96
30) 4-Chloroaniline	11.14	127	39521	3.51	ng/ul	88
31) Hexachlorobutadiene	11.30	225	26041	3.11	ng/ul#	88
32) Caprolactam	11.91	113	11632m	2.69	ng/ul	
33) 4-Chloro-3-methylphenol	12.26	107	36665	2.68	ng/ul#	82
34) 2-Methylnaphthalene	12.63	142	81953	3.28	ng/ul	87

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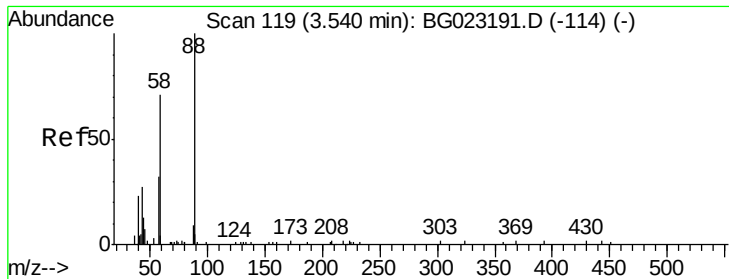
Manual Integrations

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 7/26/2016 11:40:52 AM

Quant Time: Jul 25 17:01:51 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)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	44300	3.11	ng/ul#	85
37) Hexachlorocyclopentadiene	12.97	237	22009	2.38	ng/ul#	95
38) 2,4,6-Trichlorophenol	13.24	196	27310	2.77	ng/ul	88
39) 2,4,5-Trichlorophenol	13.32	196	25326	2.52	ng/ul	90
40) 1,1'-Biphenyl	13.64	154	104857	3.28	ng/ul	95
41) 2-Chloronaphthalene	13.68	162	88397	3.43	ng/ul	96
42) 2-Nitroaniline	13.89	65	32179	2.81	ng/ul#	65
44) Dimethylphthalate	14.25	163	115359	3.21	ng/ul	99
45) 2,6-Dinitrotoluene	14.38	165	22597	2.90	ng/ul#	57
47) Acenaphthylene	14.53	152	144146	3.53	ng/ul	98
48) 3-Nitroaniline	14.72	138	22566	3.39	ng/ul#	71
49) Acenaphthene	14.87	153	91876	3.33	ng/ul	93
50) 2,4-Dinitrophenol	14.92	184	6860m	1.40	ng/ul	
52) 4-Nitrophenol	15.03	109	17810	2.39	ng/ul#	55
53) Dibenzofuran	15.21	168	144400	3.55	ng/ul	96
54) 2,4-Dinitrotoluene	15.17	165	34497	2.91	ng/ul#	66
55) 2,3,4,6-Tetrachlorophenol	15.44	232	26773	2.64	ng/ul#	94
56) Diethylphthalate	15.61	149	126080	3.30	ng/ul	95
58) Fluorene	15.86	166	116925	3.48	ng/ul	95
59) 4-Chlorophenyl-phenylether	15.85	204	62063	3.38	ng/ul	92
60) 4-Nitroaniline	15.88	138	22924	2.80	ng/ul#	54
63) 4,6-Dinitro-2-methylphenol	15.94	198	21598m	3.01	ng/ul	
64) N-Nitrosodiphenylamine	16.06	169	97824	3.43	ng/ul	95
65) 4-Bromophenyl-phenylether	16.75	248	36158m	3.19	ng/ul	
66) Hexachlorobenzene	16.87	284	39346	3.39	ng/ul	94
67) Atrazine	17.02	200	36543	3.01	ng/ul	94
68) Pentachlorophenol	17.22	266	13819	1.92	ng/ul	91
69) Phenanthrene	17.62	178	189152m	3.72	ng/ul	
71) Anthracene	17.71	178	195806	3.68	ng/ul	99
72) Carbazole	17.98	167	158765m	3.79	ng/ul	
73) Di-n-butylphthalate	18.52	149	200306m	3.45	ng/ul	
74) Fluoranthene	19.62	202	221154m	4.15	ng/ul	
77) Pyrene	19.99	202	240306m	3.88	ng/ul	
78) Butylbenzylphthalate	20.87	149	83395	3.10	ng/ul	88
79) 3,3'-Dichlorobenzidine	21.79	252	56773m	2.79	ng/ul	
80) Benzo(a)anthracene	21.87	228	220169	3.64	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.76	149	119021m	3.24	ng/ul	
82) Chrysene	21.95	228	206783m	3.77	ng/ul	
84) Di-n-octyl phthalate	23.03	149	200692	3.67	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	207061	3.45	ng/ul#	94
86) Benzo(k)fluoranthene	24.28	252	210877	3.71	ng/ul#	91
88) Benzo(a)pyrene	25.14	252	214445m	3.75	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.19	276	206633m	3.21	ng/ul	
90) Dibenzo(a,h)anthracene	29.27	278	176600m	3.33	ng/ul	
91) Benzo(g,h,i)perylene	30.41	276	183124m	3.44	ng/ul	

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



#2

1,4-Dioxane

Concen: 0.84 ng/uL

RT: 3.54 min Scan# 119

Delta R.T. -0.00 min

Lab File: BG023255.D

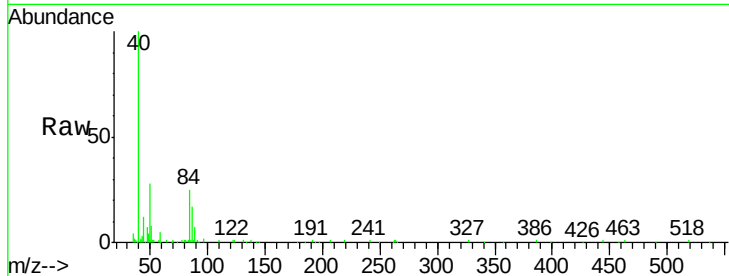
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

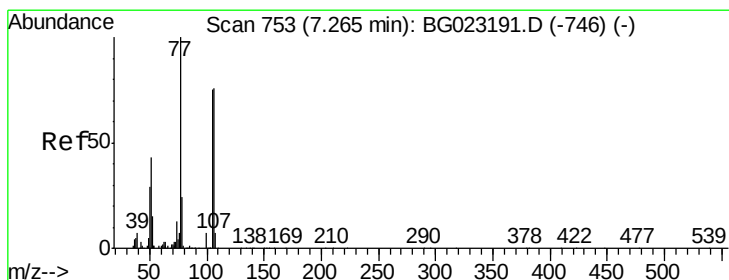
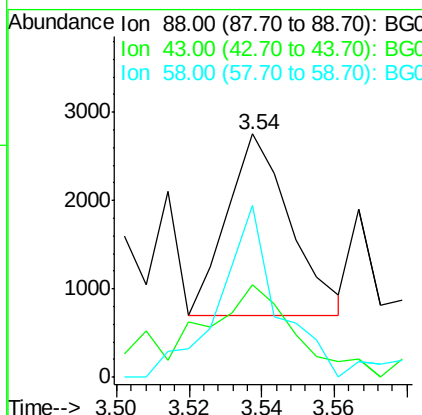
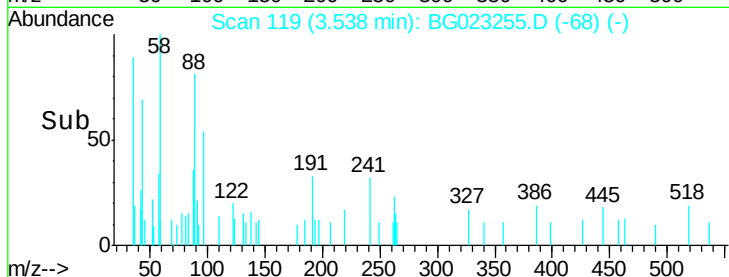


Tgt Ion:	88	Resp:	2481
Ion	Ratio	Lower	Upper
88	100		
43	37.9	16.6	24.8#
58	70.8	47.2	70.8#

Manual Integrations

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#4

Benzaldehyde

Concen: 3.82 ng/uL

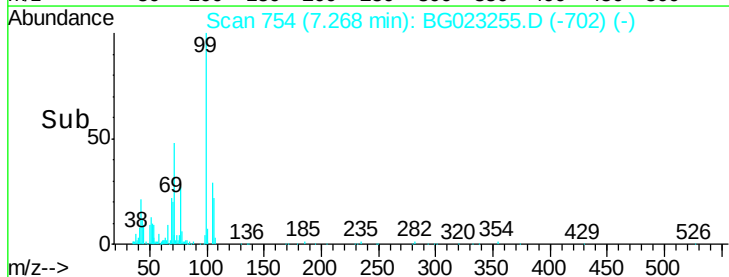
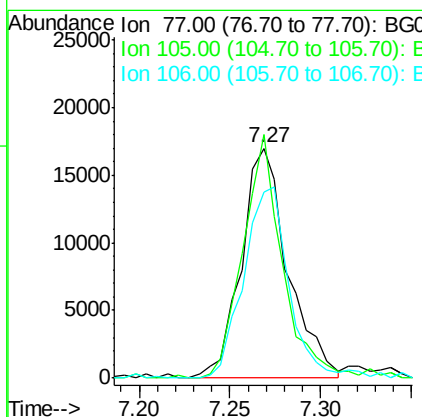
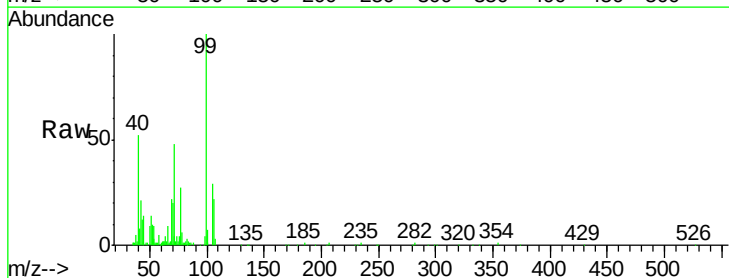
RT: 7.27 min Scan# 754

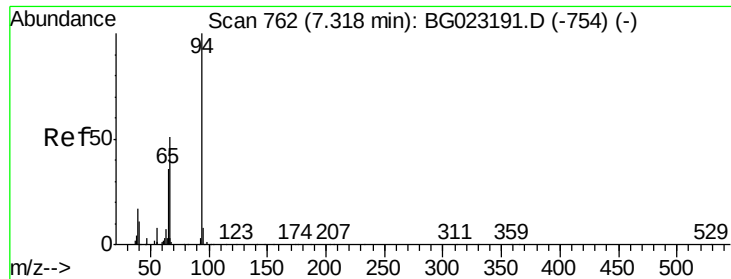
Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	77	Resp:	30401
Ion	Ratio	Lower	Upper
77	100		
105	105.8	83.8	125.8
106	80.8	77.9	116.9





#6

Phenol

Concen: 2.97 ng/ul

RT: 7.32 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

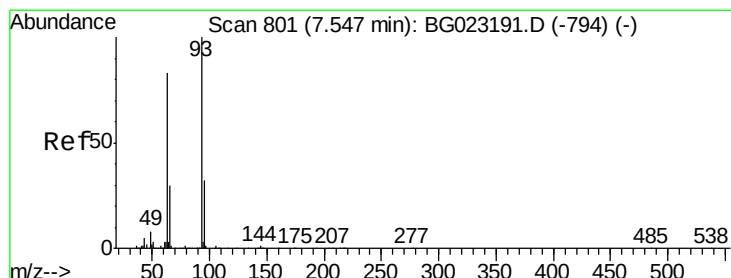
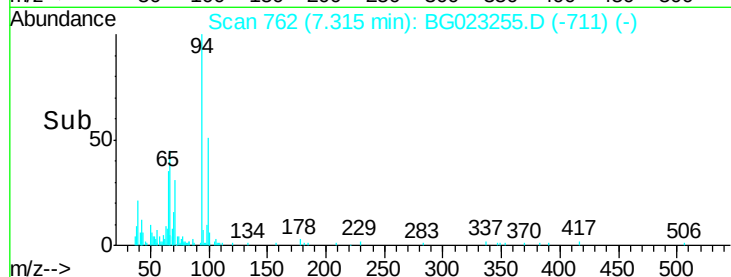
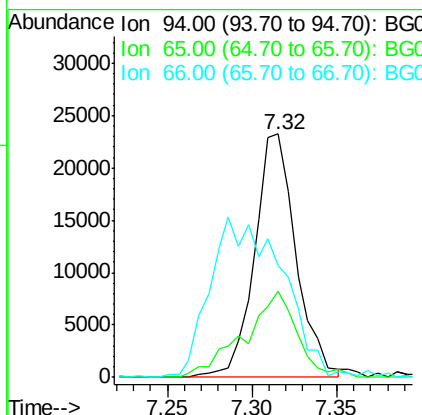
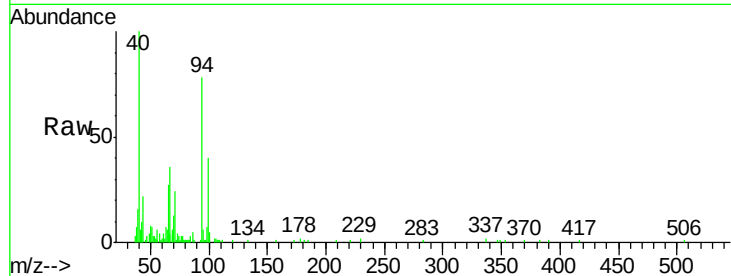
MDL-07-S

Tgt Ion:	94	Resp:	39566
Ion	Ratio	Lower	Upper
94	100		
65	35.2	16.8	25.2#
66	46.0	22.6	33.8#

Manual Integrations

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#8

Bis(2-Chloroethyl)ether

Concen: 3.37 ng/ul

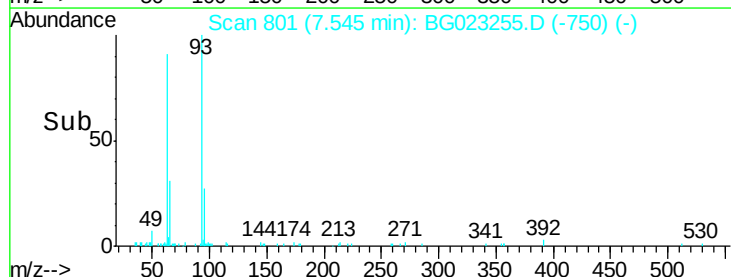
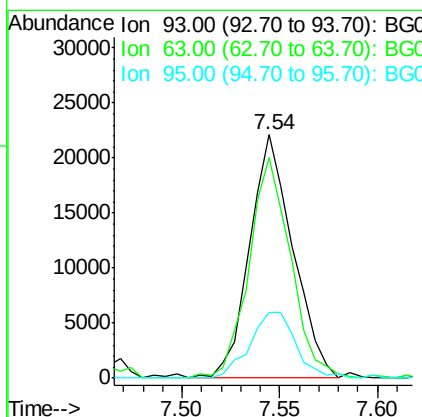
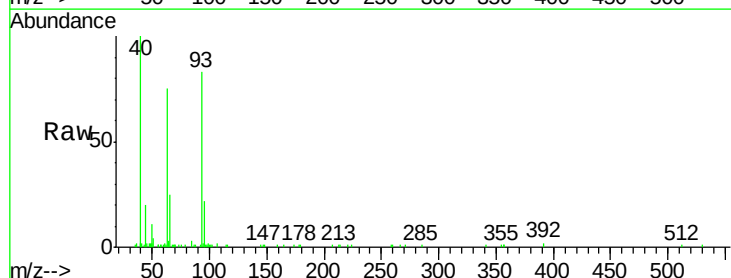
RT: 7.54 min Scan# 801

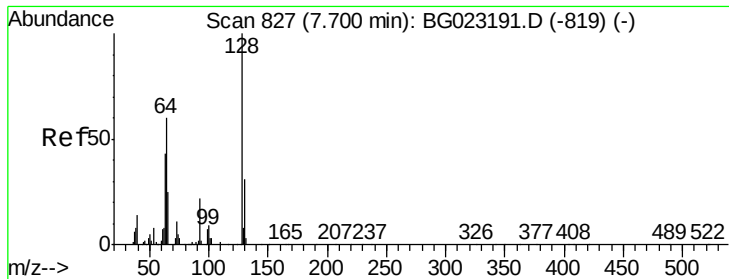
Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	93	Resp:	33807
Ion	Ratio	Lower	Upper
93	100		
63	90.6	56.0	84.0#
95	26.8	27.7	41.5#





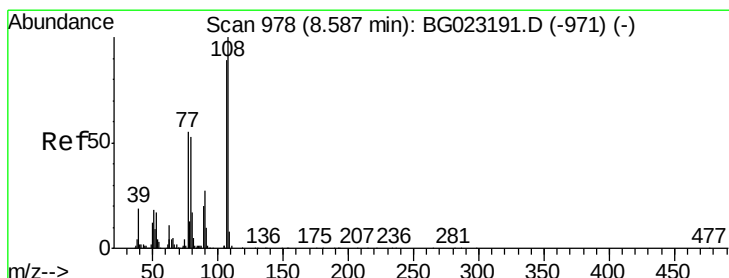
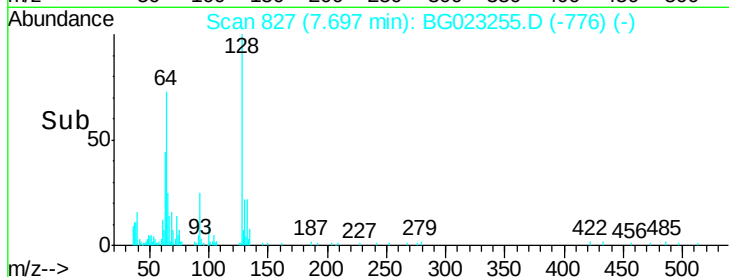
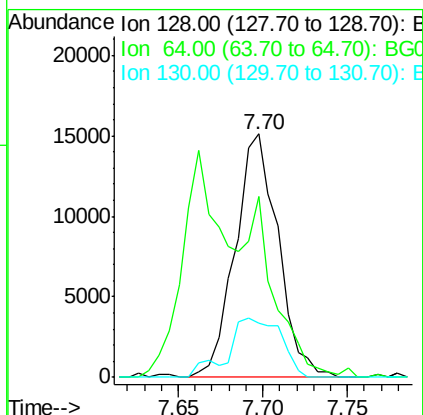
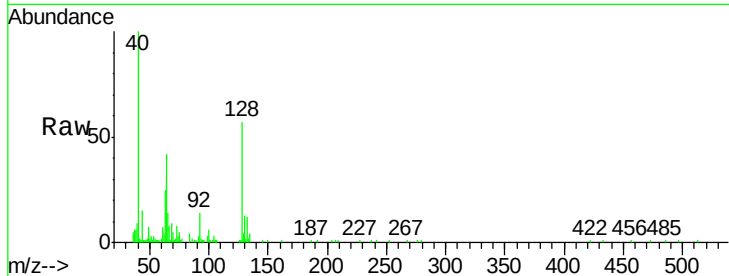
#10
2-Chlorophenol
Concen: 3.03 ng/ul
RT: 7.70 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
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Tgt Ion	Ratio	Lower	Upper
128	100		
64	74.5	34.2	51.4#
130	22.2	27.0	40.4#

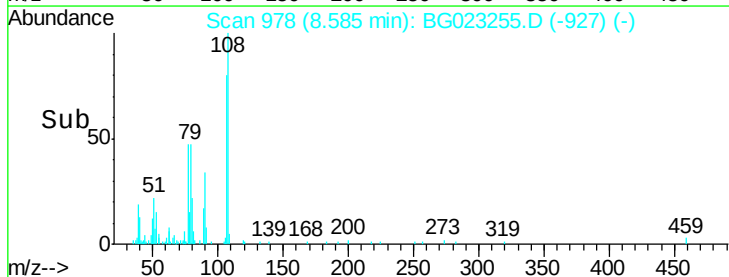
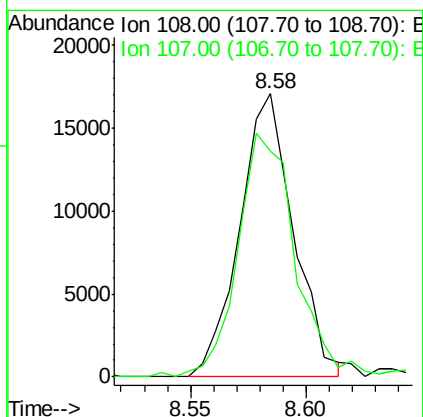
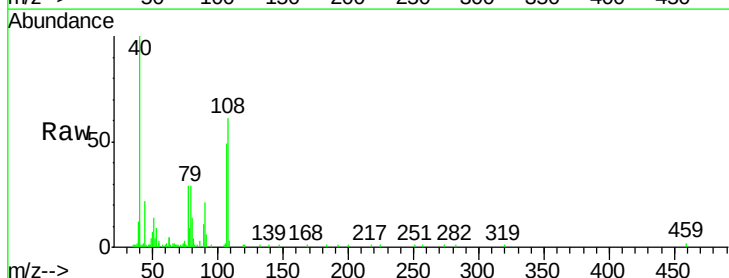
Manual Integrations

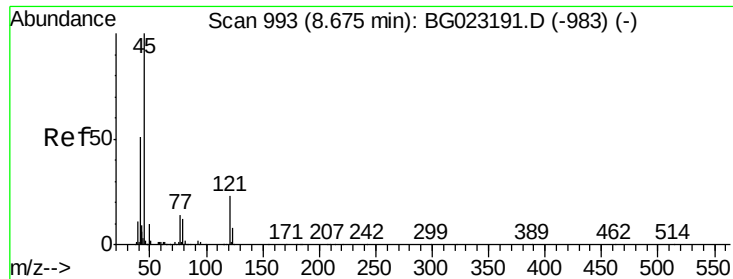
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#11
2-Methylphenol
Concen: 2.81 ng/ul
RT: 8.58 min Scan# 978
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
108	100		
107	79.9	78.6	117.8





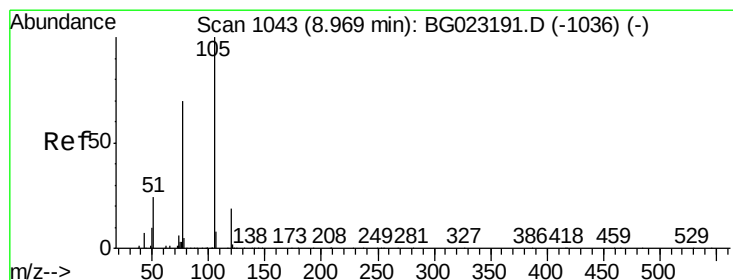
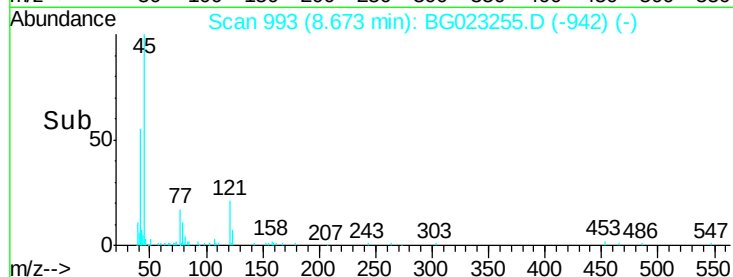
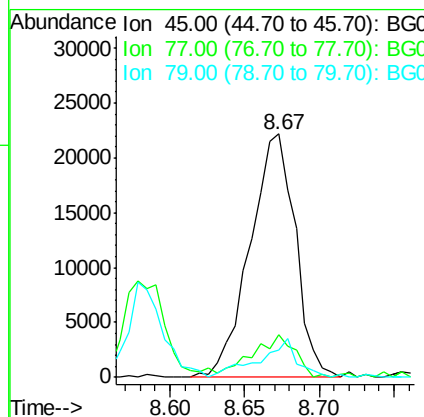
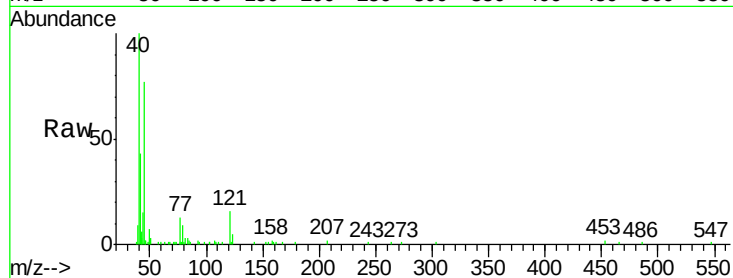
#12
2,2'-oxybis(1-chloropropane)
Concen: 3.44 ng/ul
RT: 8.67 min Scan# 993
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
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Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.4	13.4	20.2
79	11.3	10.2	15.4

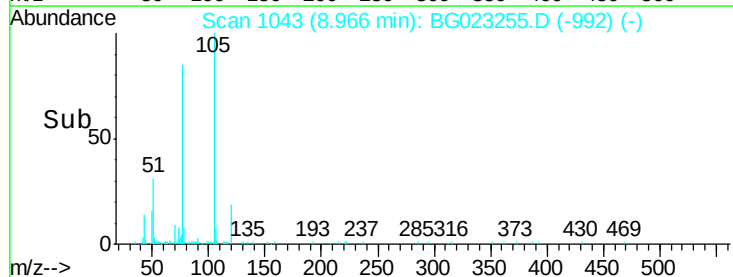
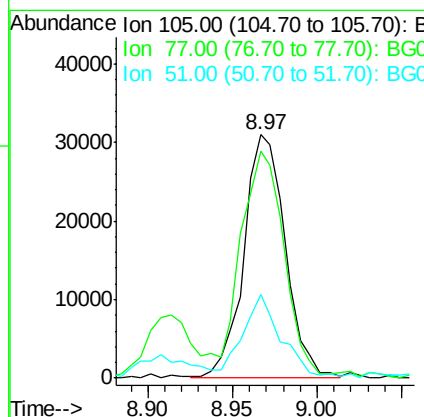
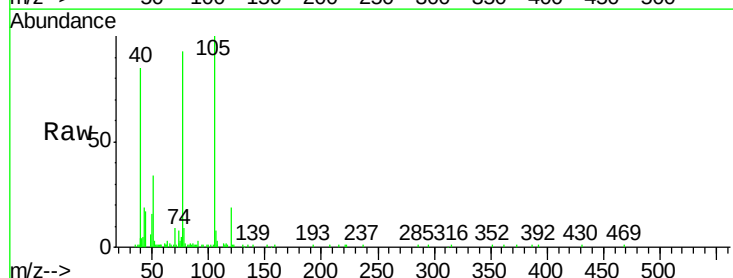
Manual Integrations

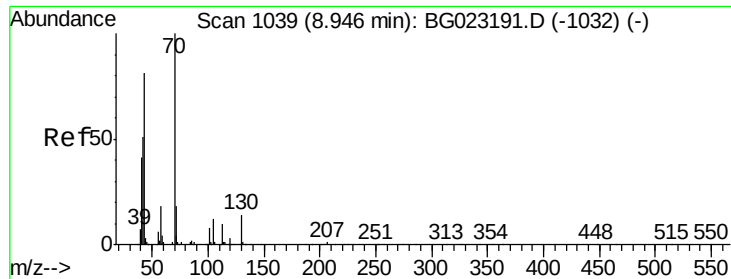
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#14
Acetophenone
Concen: 3.06 ng/ul
RT: 8.97 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
105	100		
77	93.2	56.1	84.1#
51	34.5	14.6	22.0#





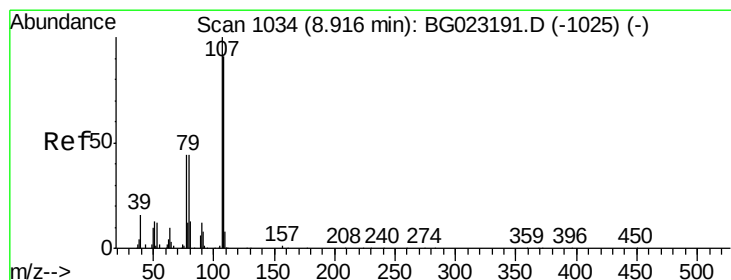
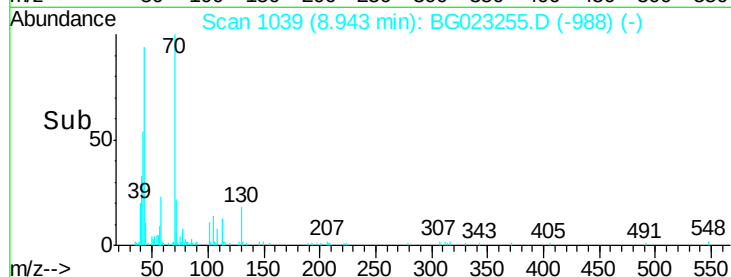
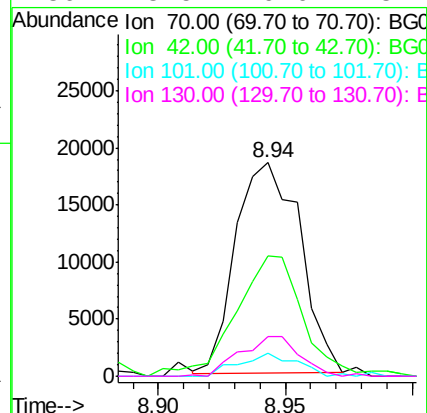
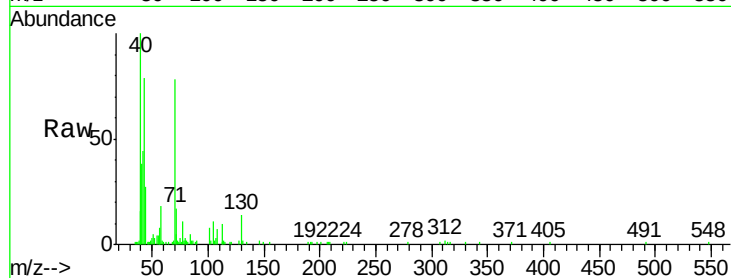
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N-Nitroso-di-n-propylamine
Concen: 2.85 ng/ul
RT: 8.94 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
70	100		
42	56.1	31.4	47.2#
101	10.8	8.6	13.0
130	18.5	19.0	28.4#

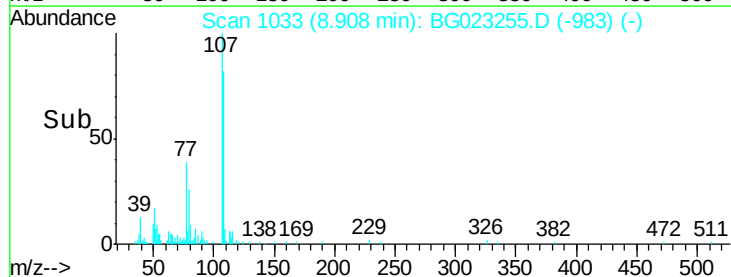
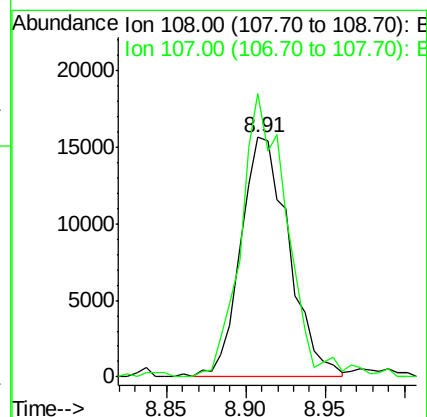
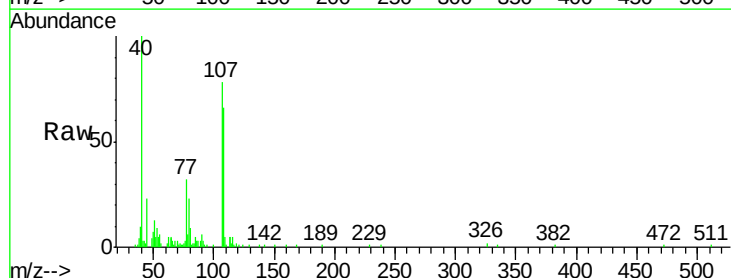
Manual Integrations

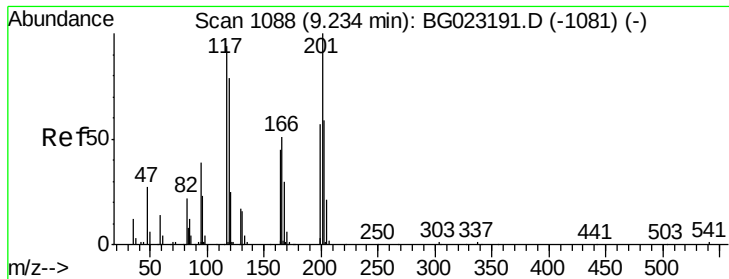
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#16
4-Methylphenol
Concen: 3.01 ng/ul
RT: 8.91 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
108	100		
107	118.2	88.3	132.5





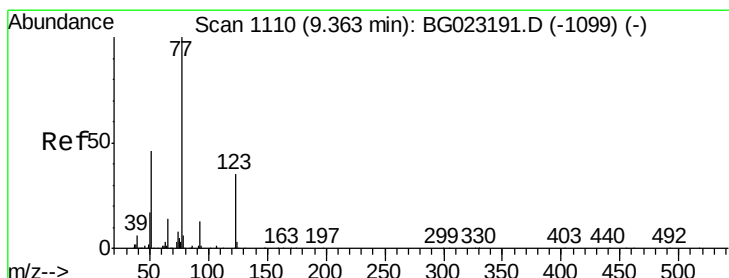
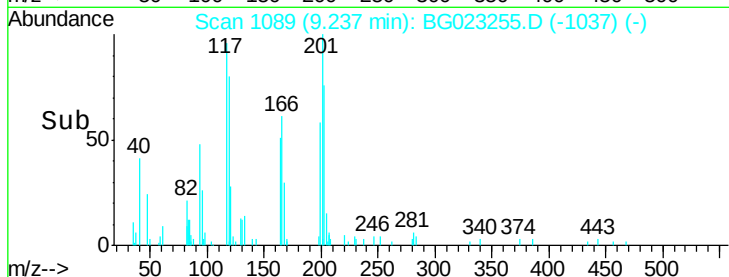
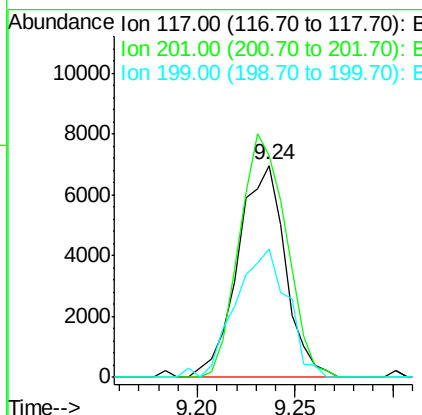
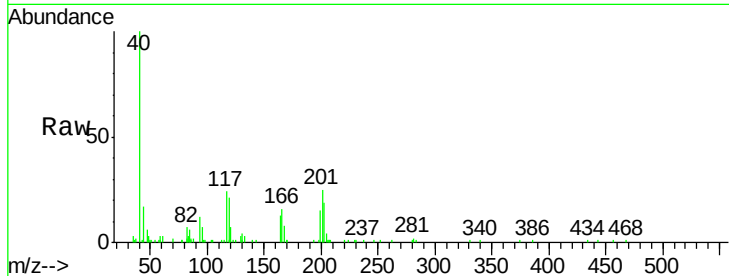
#17
Hexachloroethane
Concen: 2.80 ng/ul
RT: 9.24 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampled :
MDL-07-S

Tgt Ion: 117 Resp: 11744
Ion Ratio Lower Upper
117 100
201 108.1 76.8 115.2
199 60.4 43.5 65.3

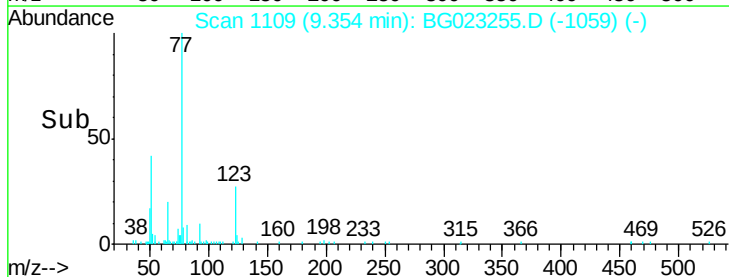
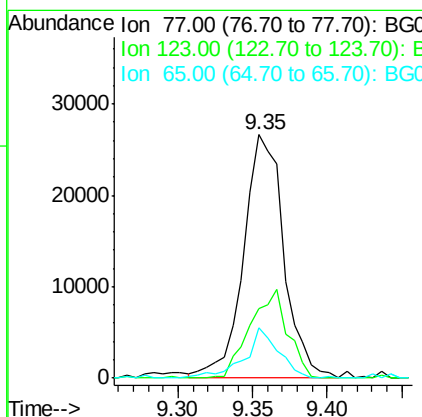
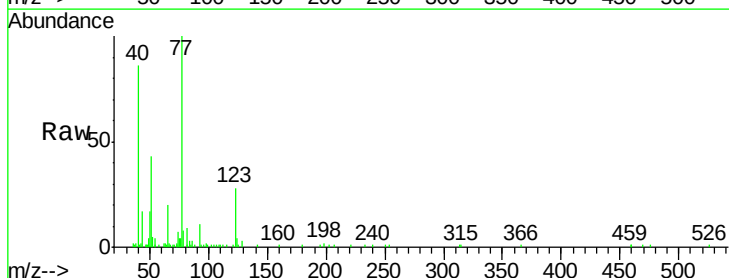
Manual Integrations

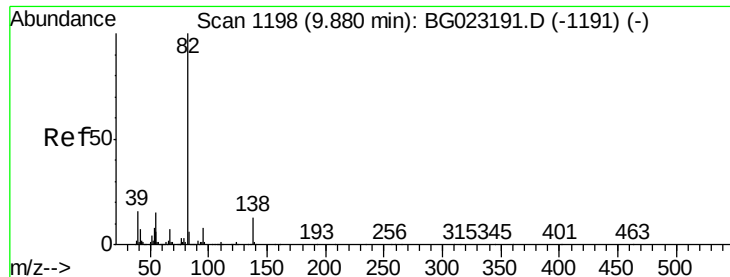
SOHIL
7/26/2016 11:40:52 AM



#20
Nitrobenzene
Concen: 3.21 ng/ul
RT: 9.35 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion: 77 Resp: 49700
Ion Ratio Lower Upper
77 100
123 28.3 39.5 59.3#
65 20.4 9.0 13.4#





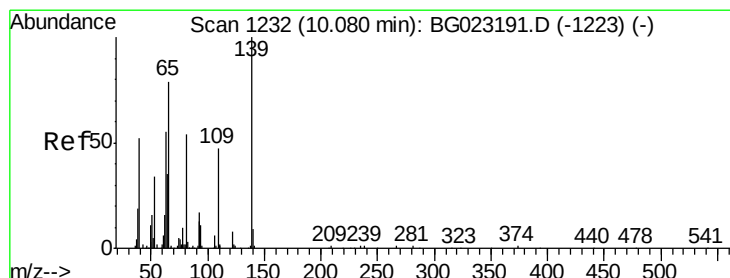
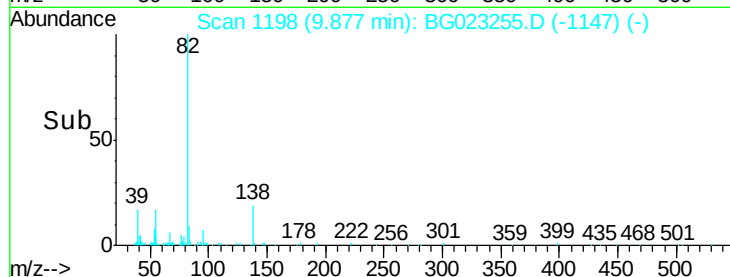
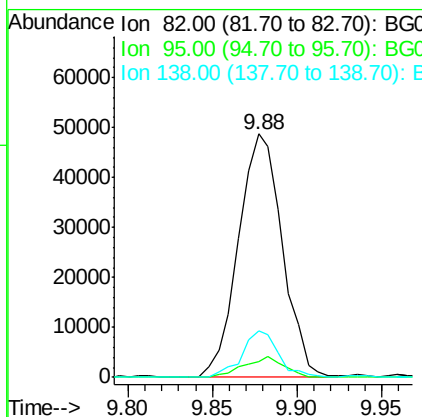
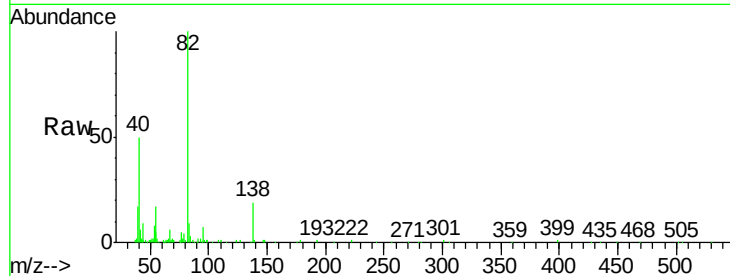
#21
Isophorone
Concen: 2.98 ng/ul
RT: 9.88 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.1	7.7
138	19.0	15.0	22.6

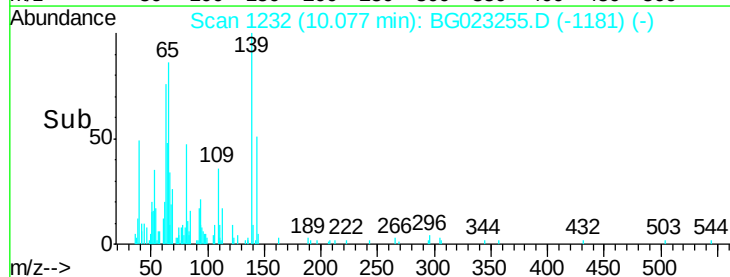
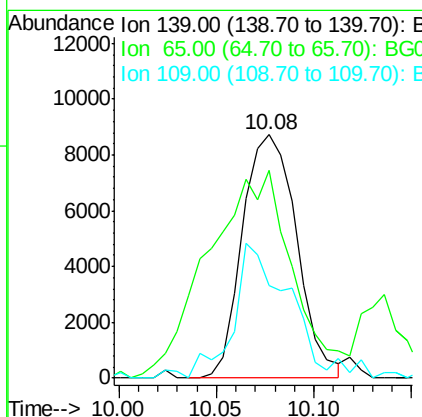
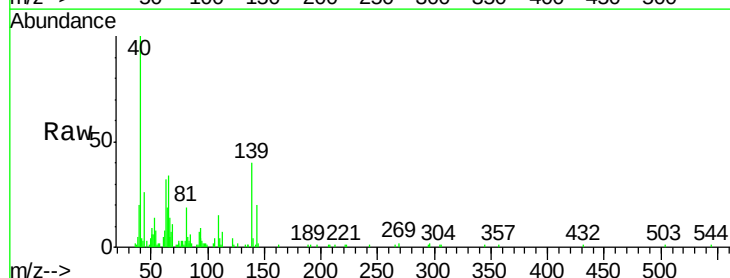
Manual Integrations

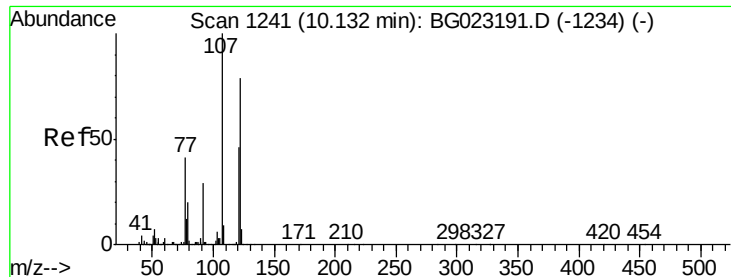
SOHIL
7/26/2016 11:40:52 AM



#23
2-Nitrophenol
Concen: 2.81 ng/ul
RT: 10.08 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
139	100		
65	85.5	31.8	47.8#
109	38.1	17.1	25.7#





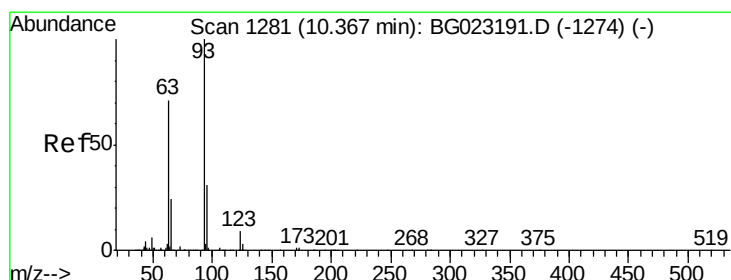
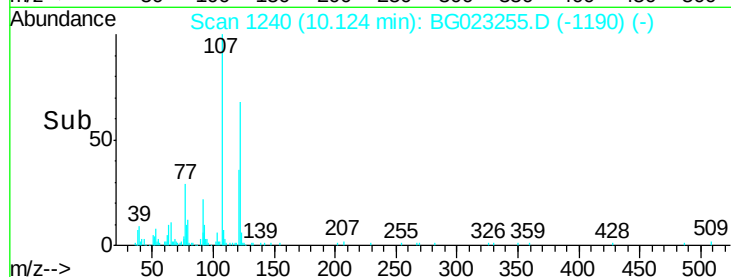
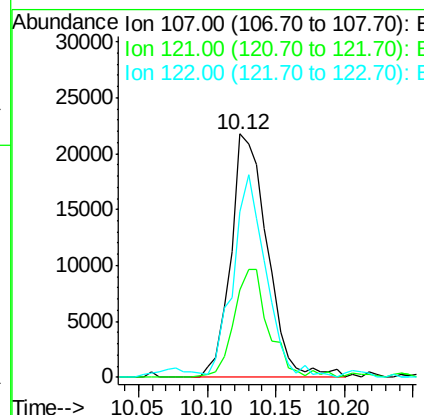
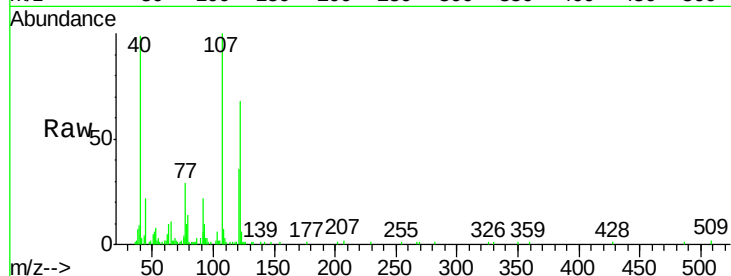
#24
 2,4-Dimethylphenol
 Concen: 2.94 ng/ul m
 RT: 10.12 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: BG023255.D
 Acq: 25 Jul 2016 16:22

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S

Tgt Ion	Ratio	Lower	Upper
107	100		
121	35.9	43.7	65.5#
122	68.2	70.3	105.5#

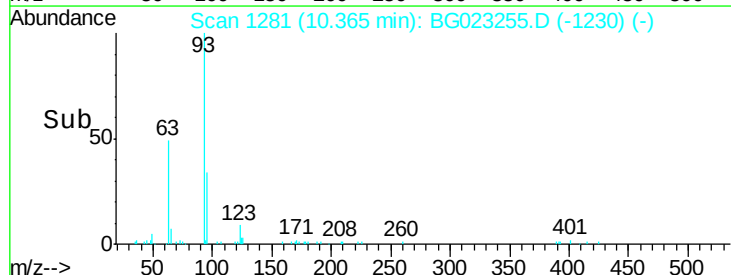
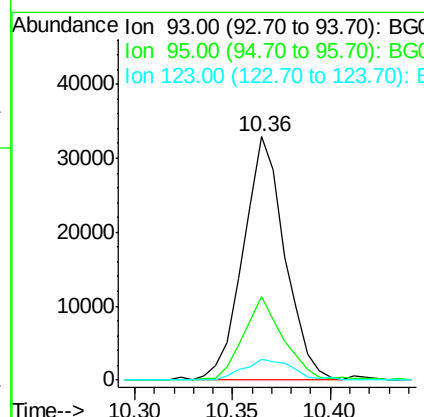
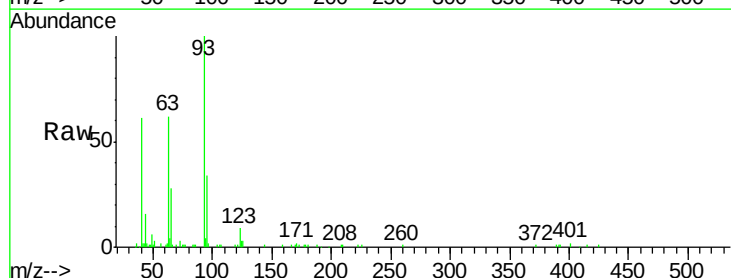
Manual Integrations

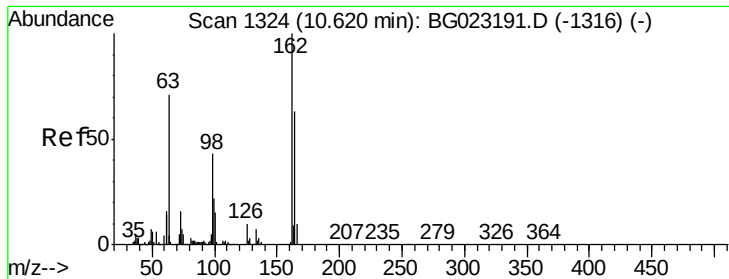
SOHIL
 7/26/2016 11:40:52 AM



#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.98 ng/ul
 RT: 10.36 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: BG023255.D
 Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.2	26.0	39.0
123	8.7	10.1	15.1#





#27

2,4-Dichlorophenol

Concen: 3.00 ng/ul

RT: 10.62 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BG023255.D

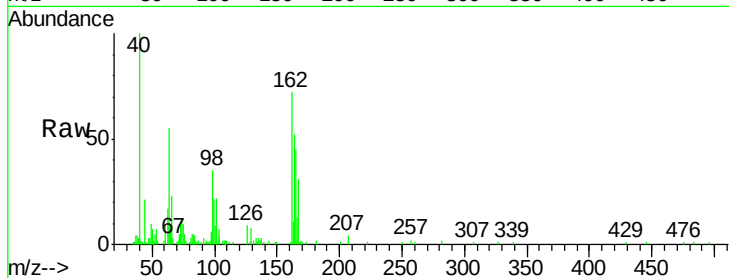
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

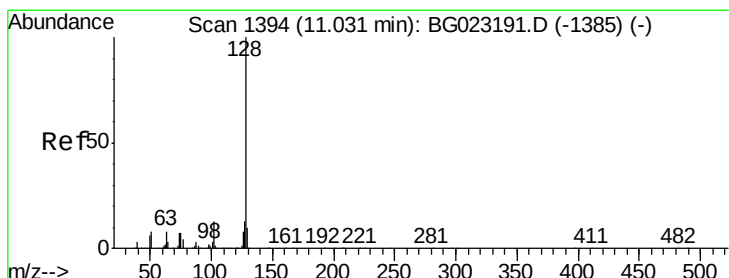
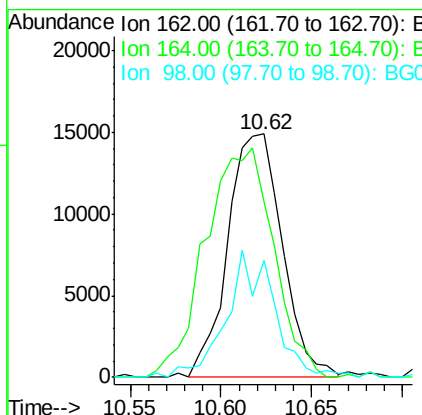
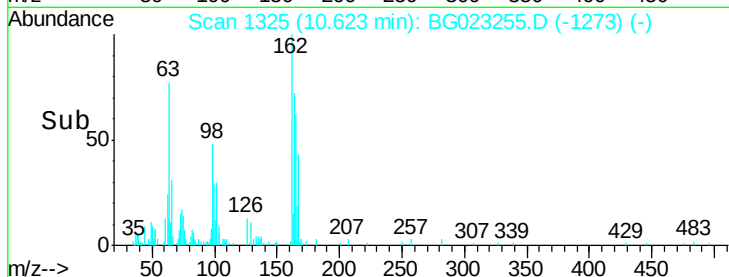


Tgt Ion:	162	Resp:	31266
Ion Ratio	Lower	Upper	
162	100		
164	72.1	51.6	77.4
98	47.8	28.3	42.5

Manual Integrations

SOHIL

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#28

Naphthalene

Concen: 3.32 ng/ul

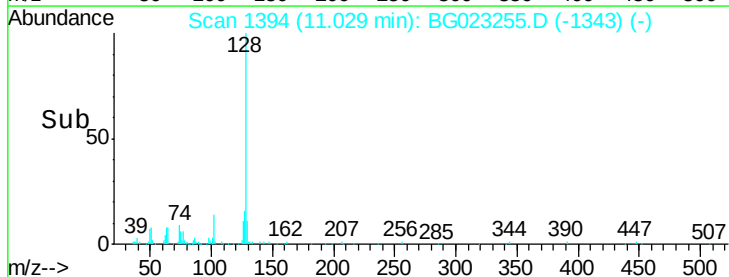
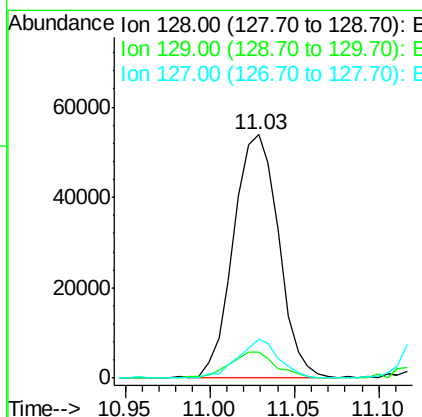
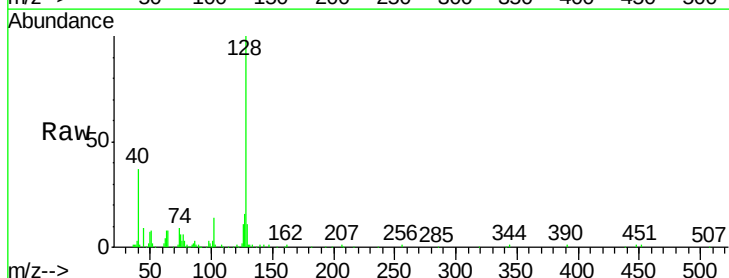
RT: 11.03 min Scan# 1394

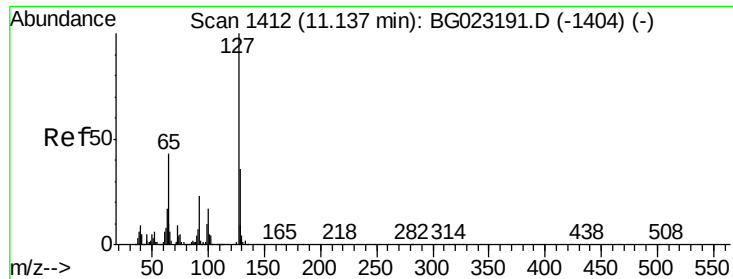
Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	128	Resp:	100186
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.4	14.2
127	16.0	11.2	16.8





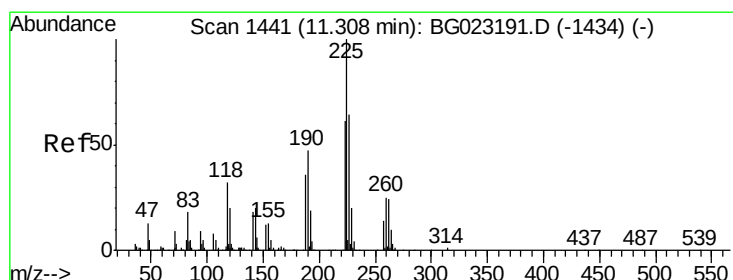
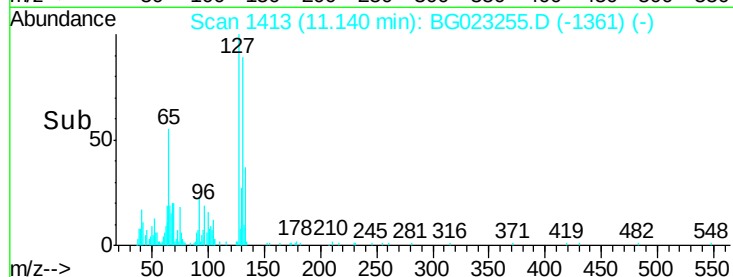
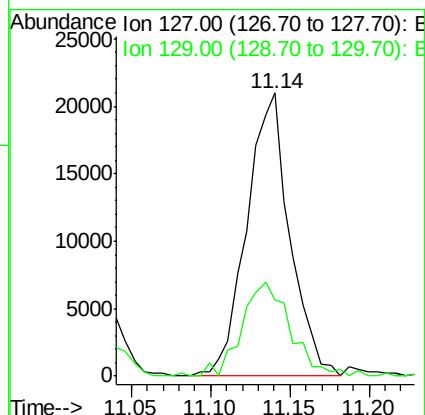
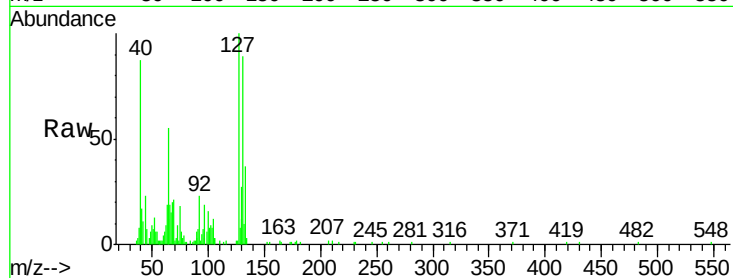
#30
4-Chloroaniline
Concen: 3.51 ng/ul
RT: 11.14 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion:127 Resp: 39521
Ion Ratio Lower Upper
127 100
129 26.9 26.9 40.3

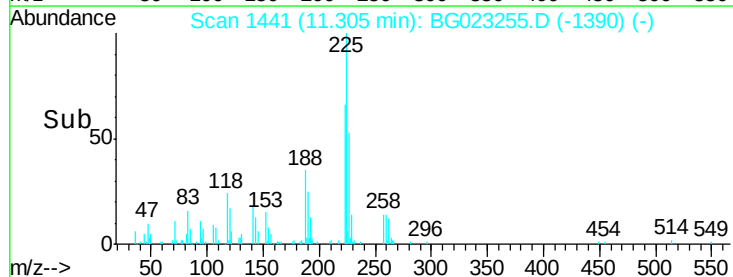
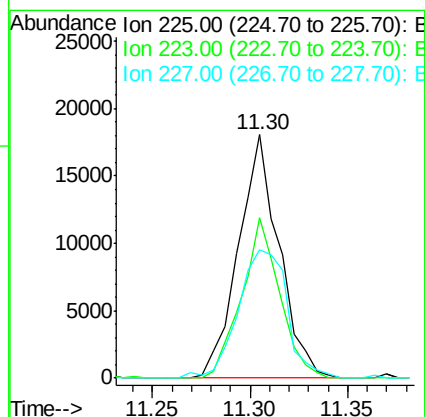
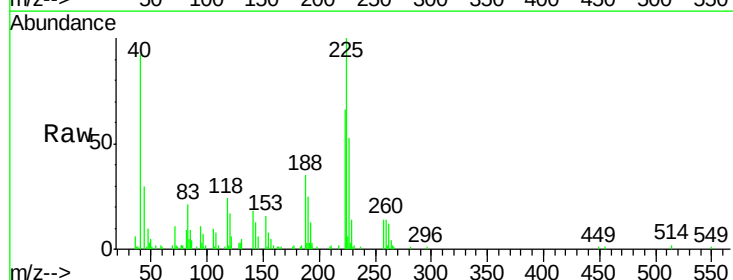
Manual Integrations

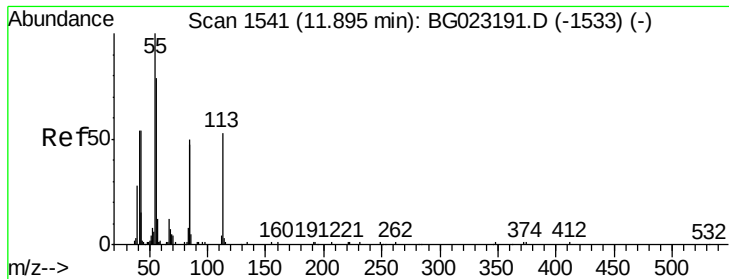
APPROVED
SOHIL
7/26/2016 11:40:52 AM



#31
Hexachlorobutadiene
Concen: 3.11 ng/ul
RT: 11.30 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion:225 Resp: 26041
Ion Ratio Lower Upper
225 100
223 62.0 54.7 82.1
227 51.9 52.2 78.4#





#32

Caprolactam

Concen: 2.69 ng/ul m

RT: 11.91 min Scan# 1544

Delta R.T. 0.01 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampled :

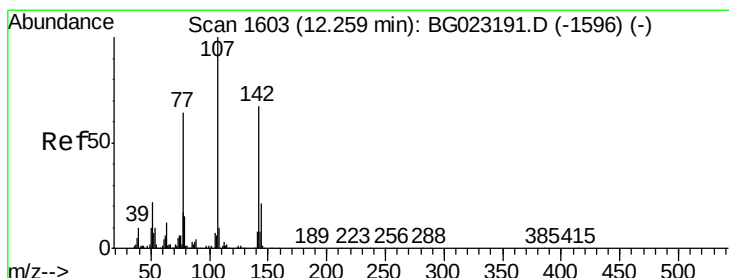
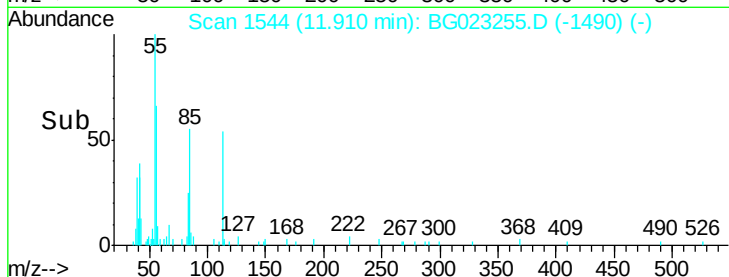
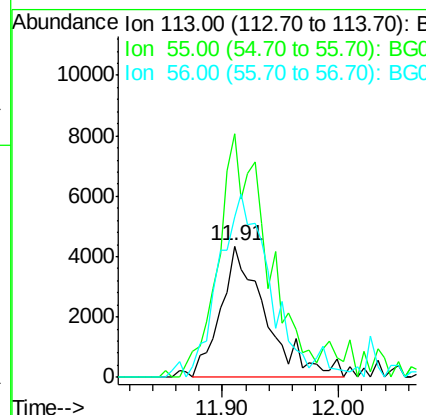
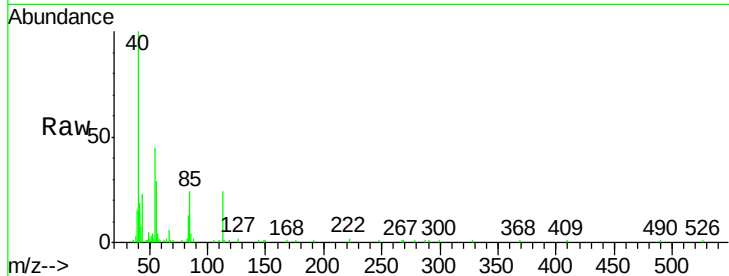
MDL-07-S

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	11632		
55	185.3	99.6	149.4#	
56	121.7	66.4	99.6#	

Manual Integrations

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#33

4-Chloro-3-methylphenol

Concen: 2.68 ng/ul

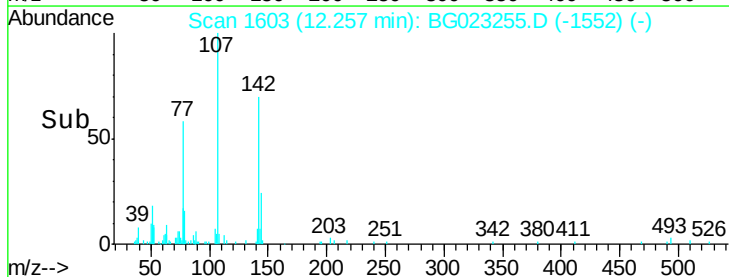
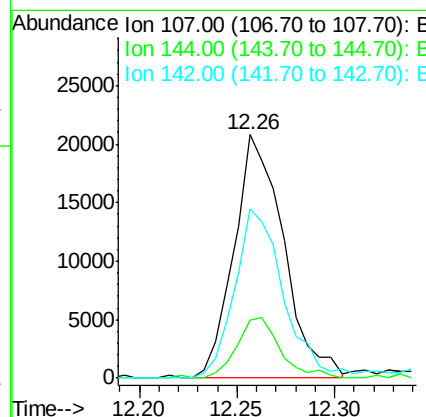
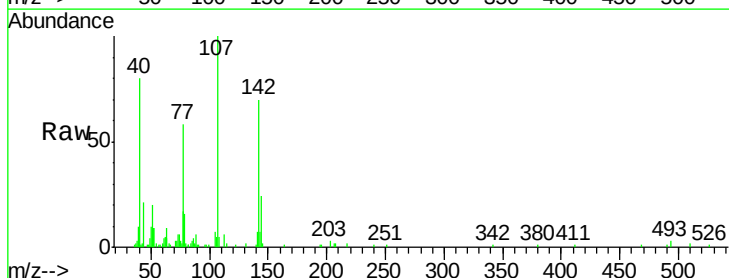
RT: 12.26 min Scan# 1603

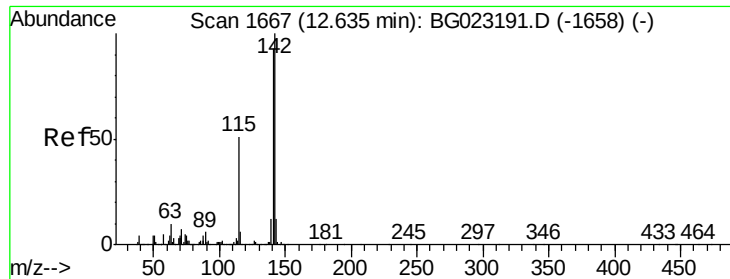
Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	36665		
144	23.7	22.7	34.1	
142	69.6	71.6	107.4#	





#34

2-Methylnaphthalene

Concen: 3.28 ng/ul

RT: 12.63 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

Tgt Ion:142 Resp: 81953

Ion Ratio Lower Upper

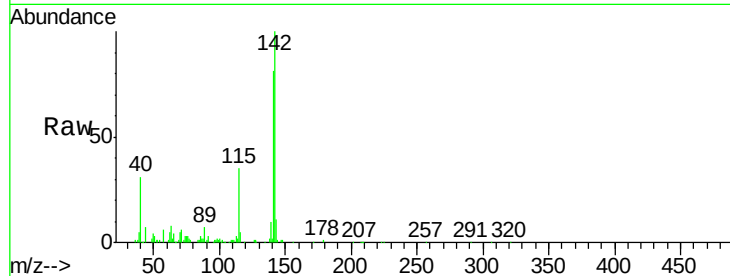
142 100

141 81.1 75.2 112.8

Manual Integrations

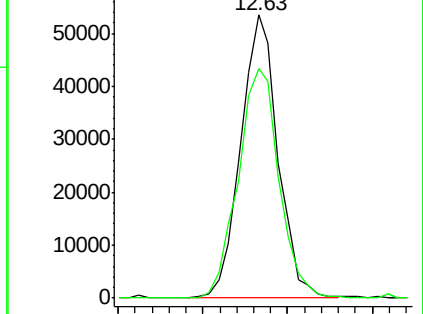
SOHIL

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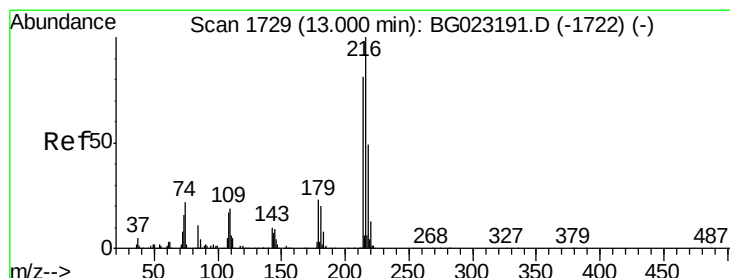
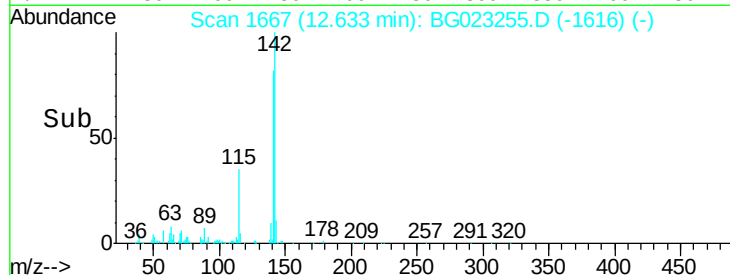


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 12.55 12.60 12.65 12.70



#36

1,2,4,5-Tetrachlorobenzene

Concen: 3.11 ng/ul

RT: 13.00 min Scan# 1729

Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:216 Resp: 44300

Ion Ratio Lower Upper

216 100

214 92.9 61.7 92.5#

179 27.3 17.0 25.4#

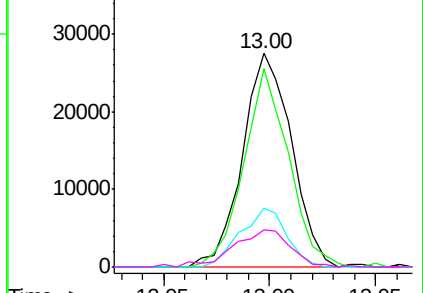
108 17.6 14.2 21.2

Abundance Ion 216.00 (215.70 to 216.70): E

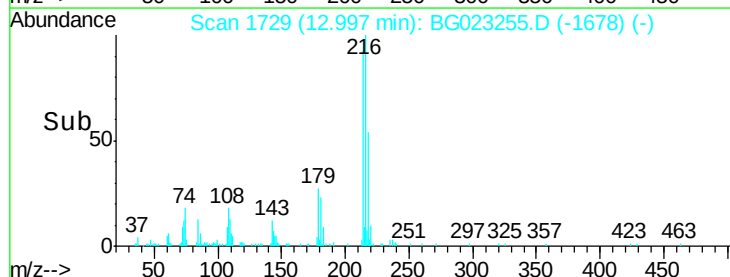
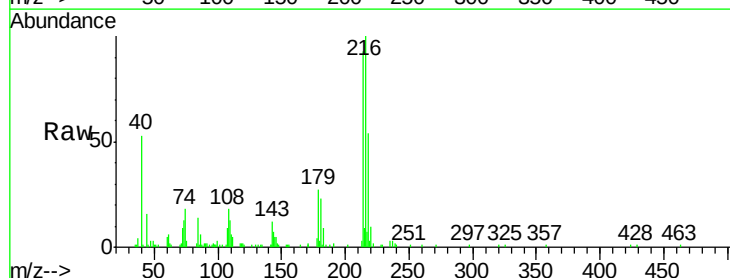
Ion 214.00 (213.70 to 214.70): E

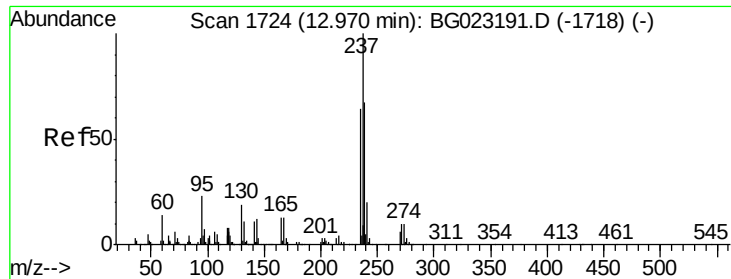
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time--> 12.95 13.00 13.05





#37

Hexachlorocyclopentadiene

Concen: 2.38 ng/ul

RT: 12.97 min Scan# 1725

Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

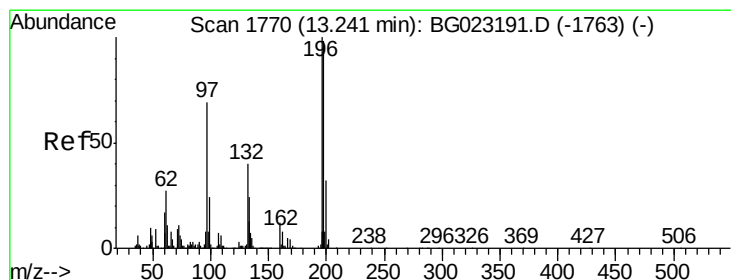
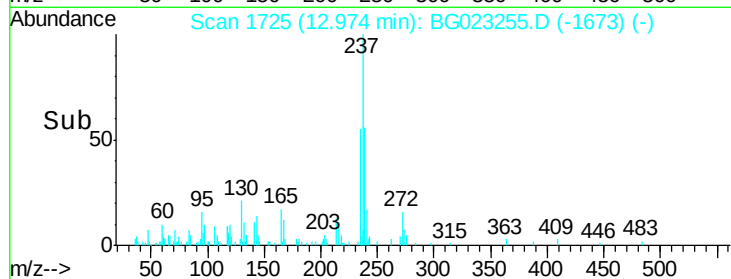
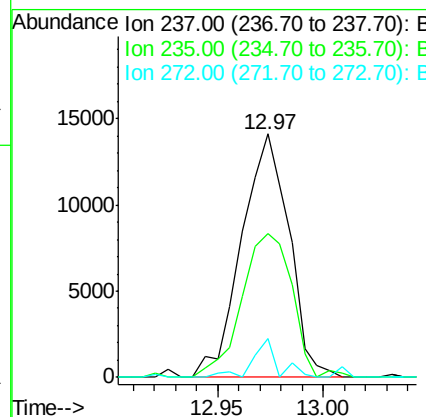
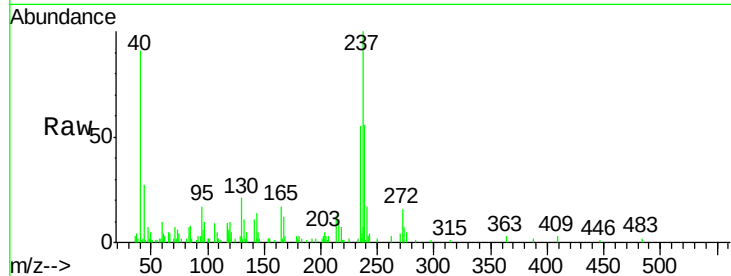
MDL-07-S

Tgt Ion:	237	Resp:	22009
Ion Ratio	Lower	Upper	
237	100		
235	59.2	49.6	74.4
272	15.9	9.3	13.9#

Manual Integrations

SOHIL

7/26/2016 11:40:52 AM



#38

2,4,6-Trichlorophenol

Concen: 2.77 ng/ul

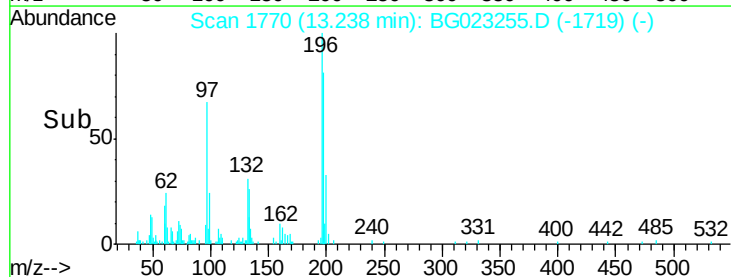
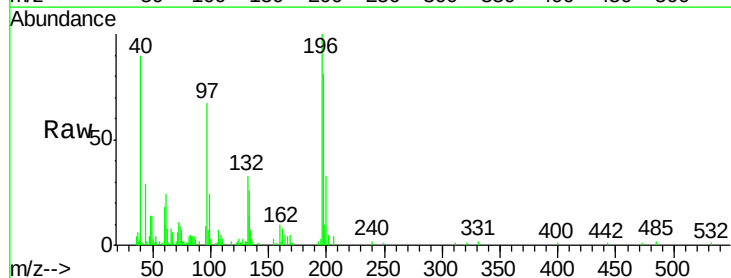
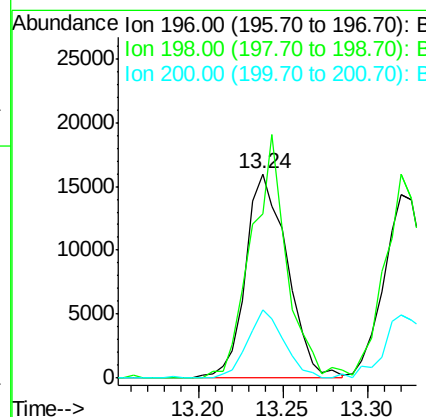
RT: 13.24 min Scan# 1770

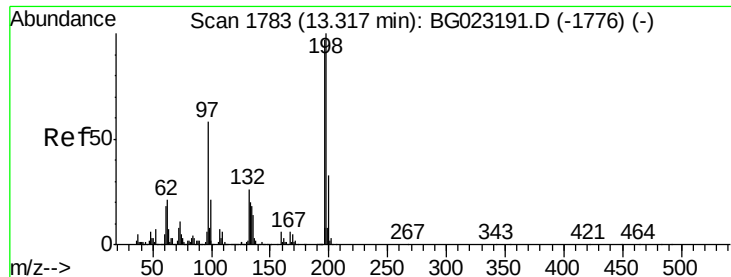
Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	196	Resp:	27310
Ion Ratio	Lower	Upper	
196	100		
198	80.6	77.4	116.0
200	33.3	26.6	39.8





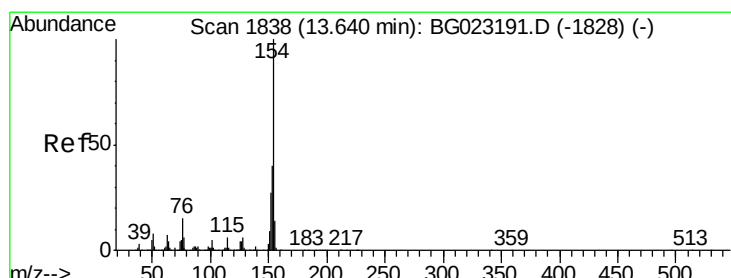
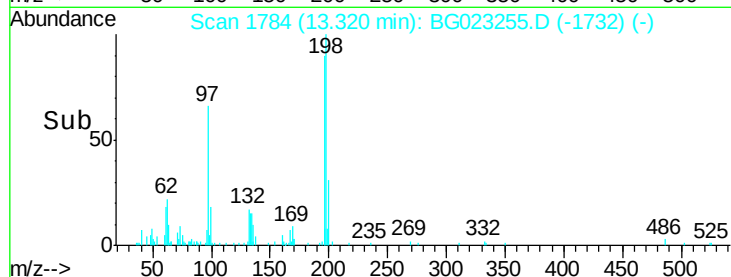
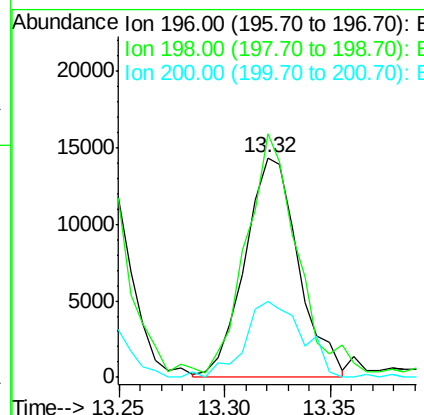
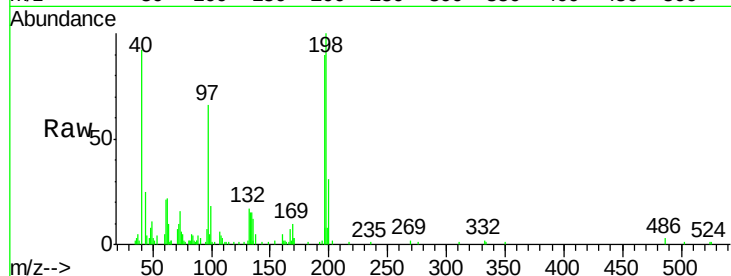
#39
 2,4,5-Trichlorophenol
 Concen: 2.52 ng/ul
 RT: 13.32 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BG023255.D
 Acq: 25 Jul 2016 16:22

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	25326		
198	110.7	79.8	119.8	
200	34.5	24.0	36.0	

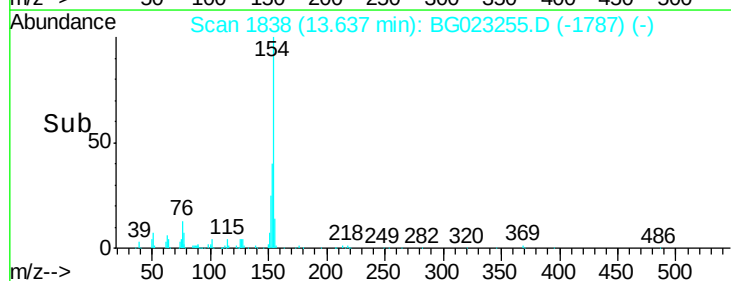
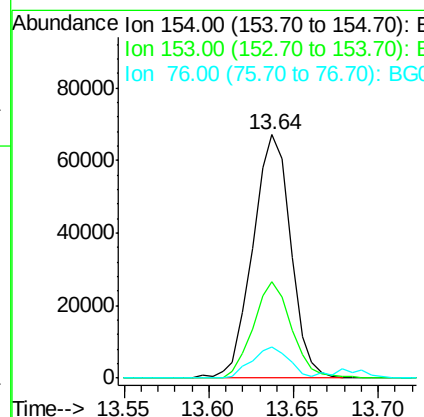
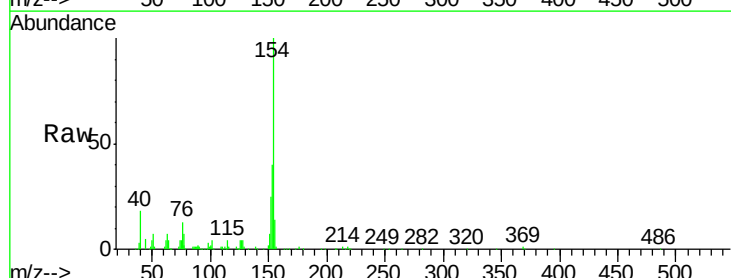
Manual Integrations

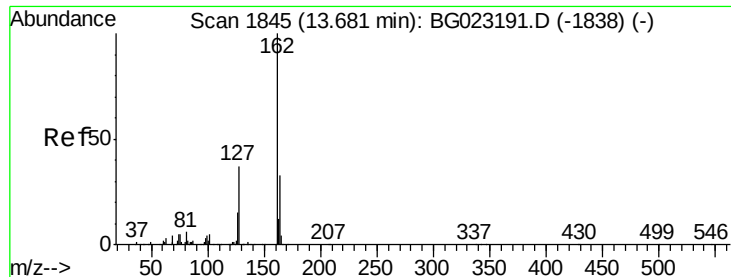
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#40
 1,1'-Biphenyl
 Concen: 3.28 ng/ul
 RT: 13.64 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BG023255.D
 Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	104857		
153	39.8	34.6	52.0	
76	13.0	11.9	17.9	





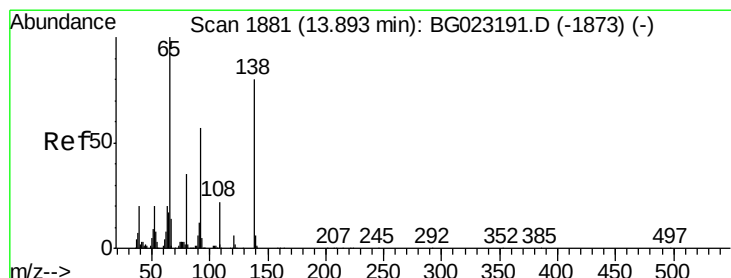
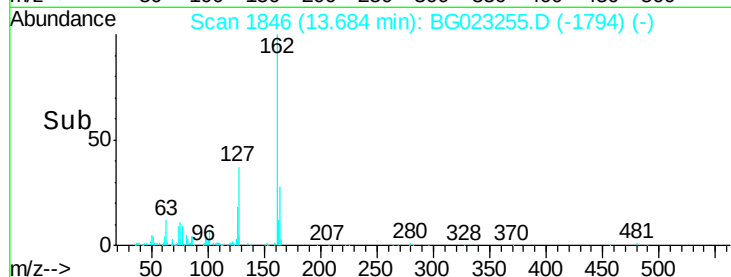
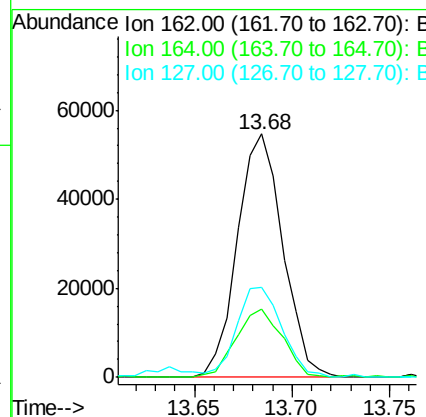
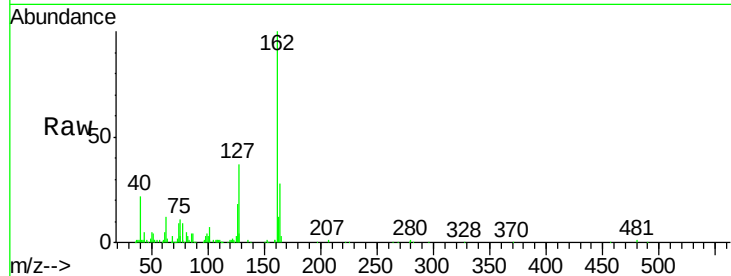
#41
2-Chloronaphthalene
Concen: 3.43 ng/ul
RT: 13.68 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
162	100		
164	27.9	25.4	38.2
127	37.1	30.2	45.4

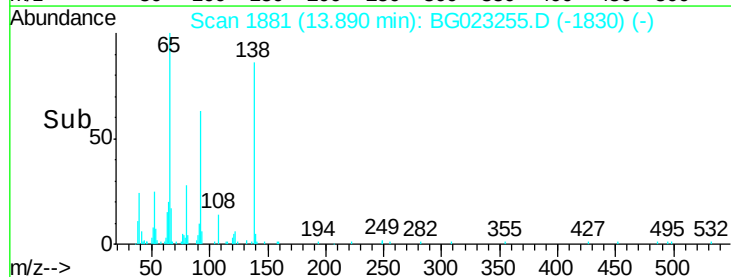
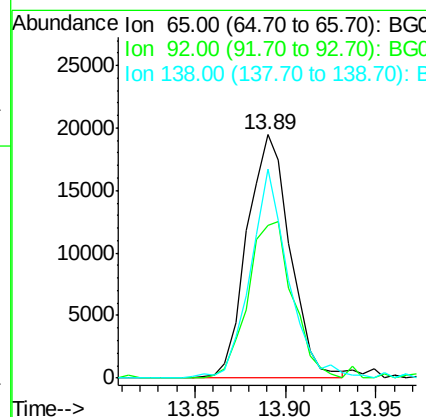
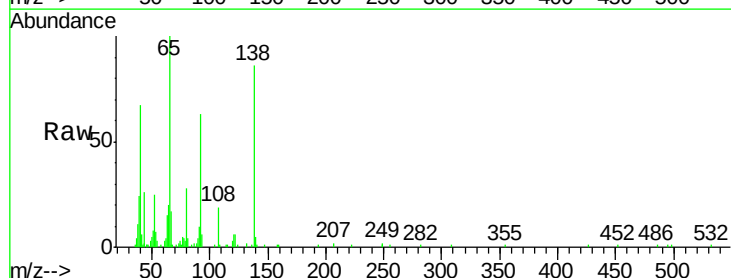
Manual Integrations

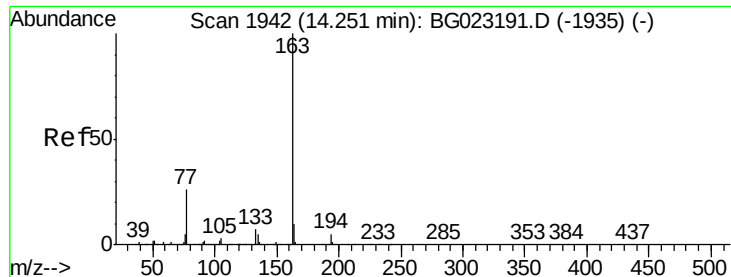
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#42
2-Nitroaniline
Concen: 2.81 ng/ul
RT: 13.89 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.8	67.1	100.7#
138	85.7	109.6	164.4#





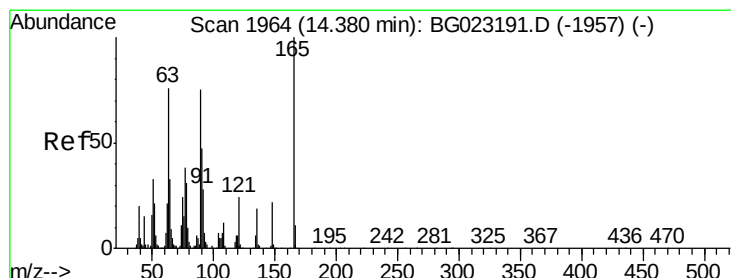
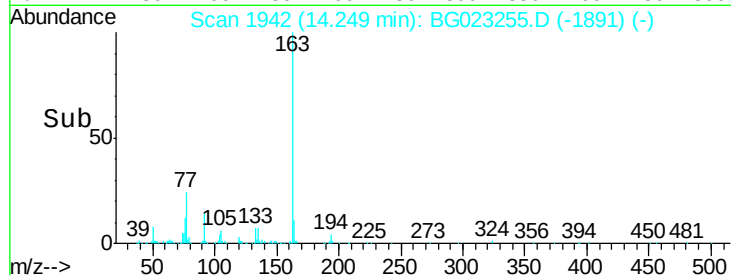
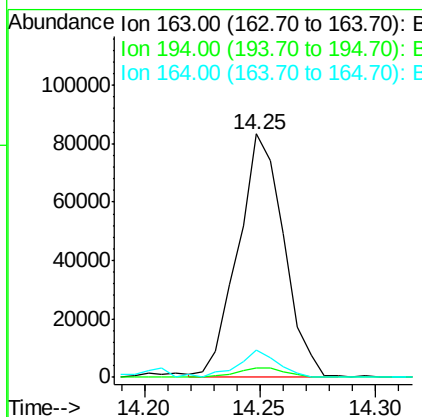
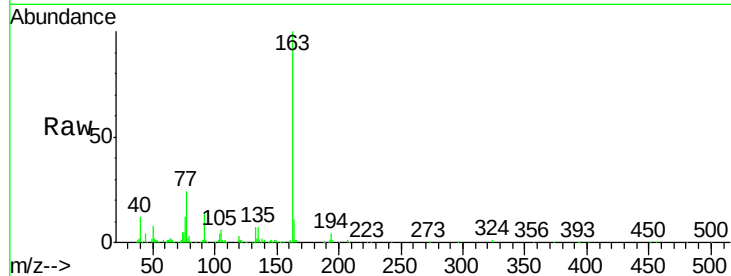
#44
Dimethylphthalate
Concen: 3.21 ng/ul
RT: 14.25 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.2
164	11.3	8.8	13.2

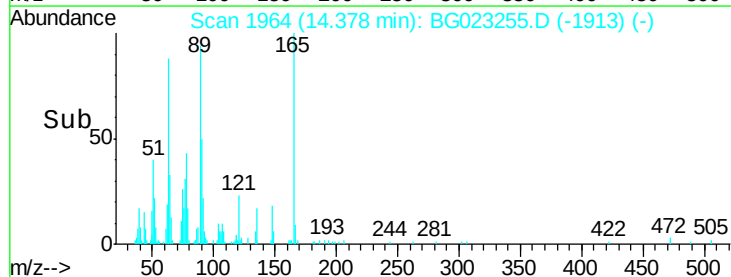
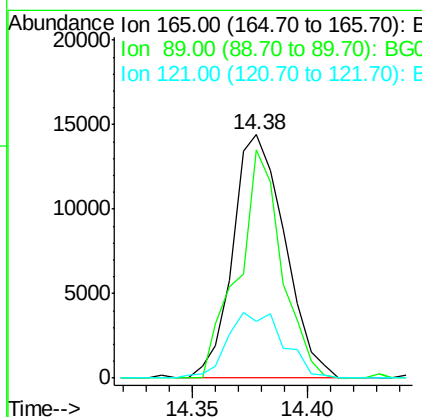
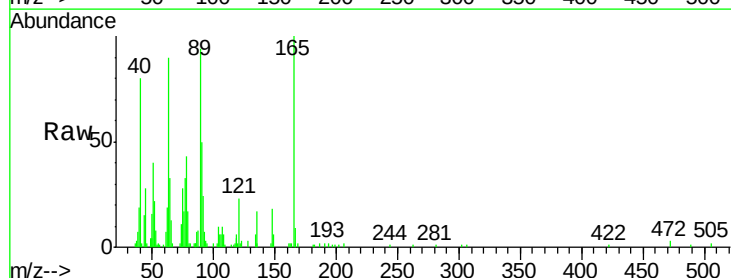
Manual Integrations

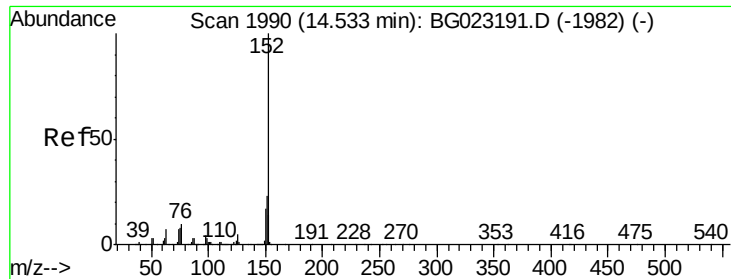
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#45
2,6-Dinitrotoluene
Concen: 2.90 ng/ul
RT: 14.38 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
165	100		
89	93.5	41.5	62.3#
121	23.1	17.0	25.4





#47

Acenaphthylene

Concen: 3.53 ng/ul

RT: 14.53 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG023255.D

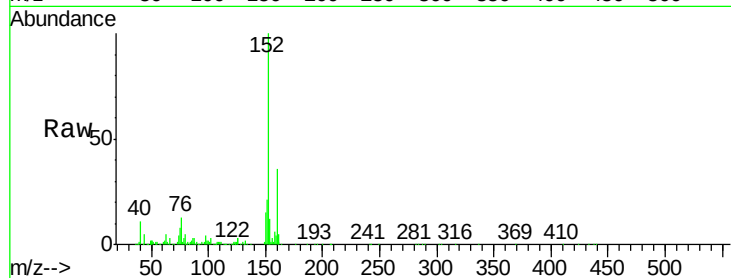
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

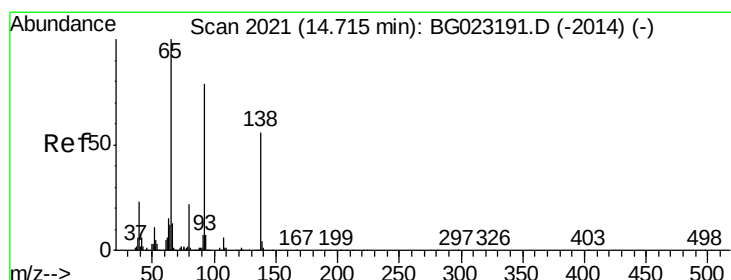
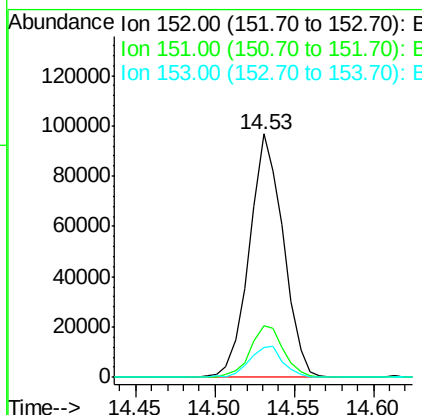
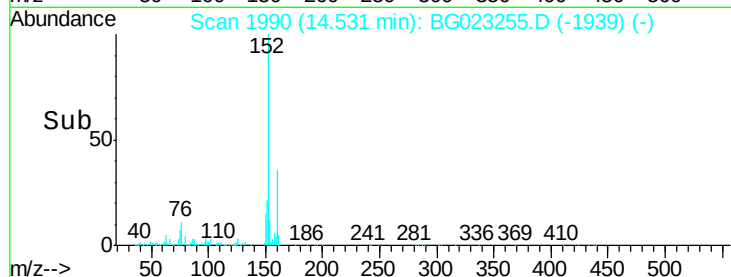


Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.5	26.3
153	12.4	11.1	16.7

Manual Integrations

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#48

3-Nitroaniline

Concen: 3.39 ng/ul

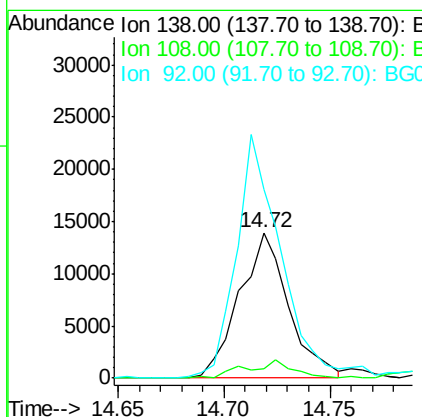
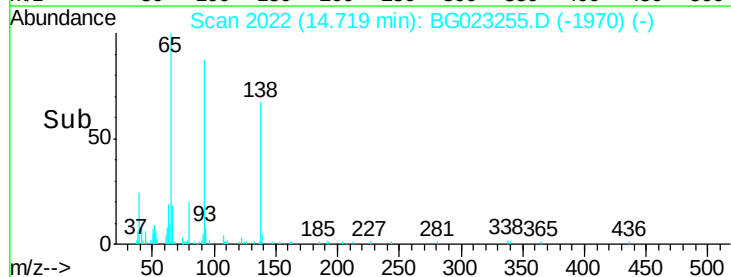
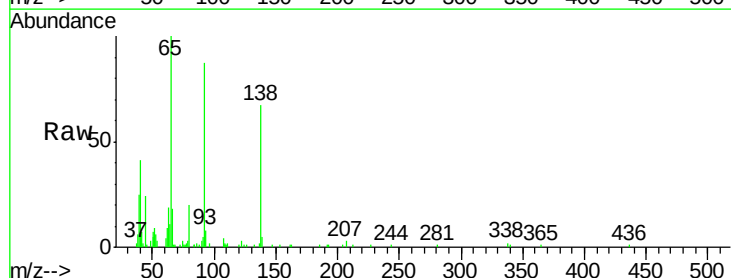
RT: 14.72 min Scan# 2022

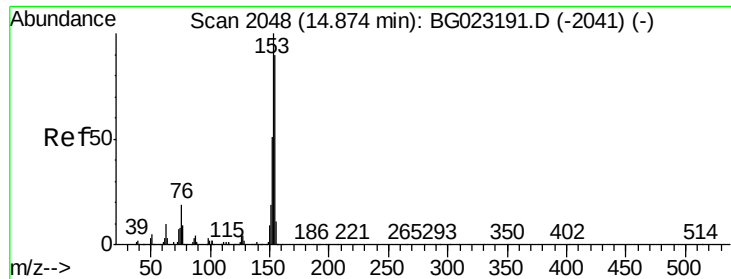
Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
138	100		
108	8.7	6.2	9.2
92	129.9	79.3	118.9#





#49

Acenaphthene

Concen: 3.33 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BG023255.D

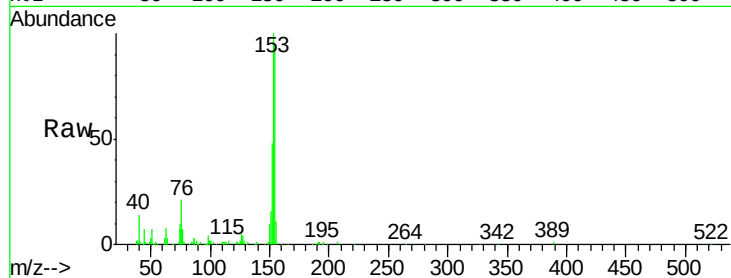
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S



Tgt Ion:153 Resp: 91876

Ion Ratio Lower Upper

153 100

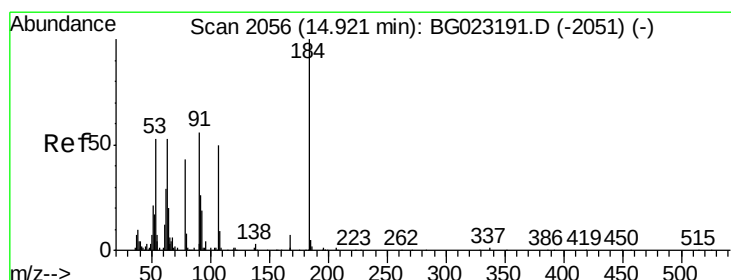
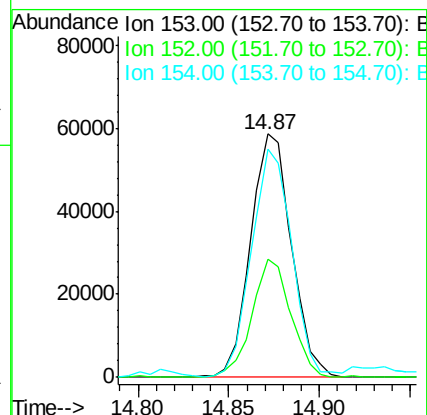
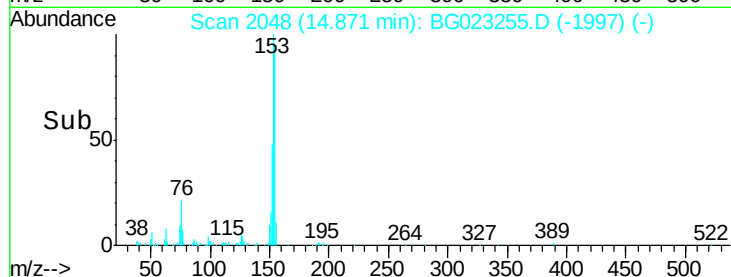
152 48.3 37.3 55.9

154 94.0 68.2 102.2

Manual Integrations

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#50

2,4-Dinitrophenol

Concen: 1.40 ng/ul m

RT: 14.92 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

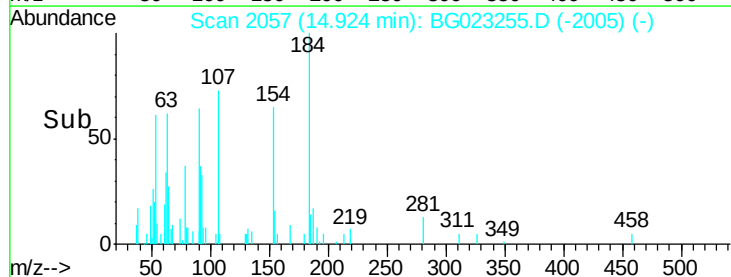
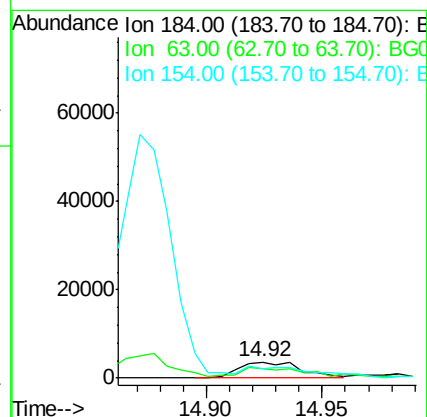
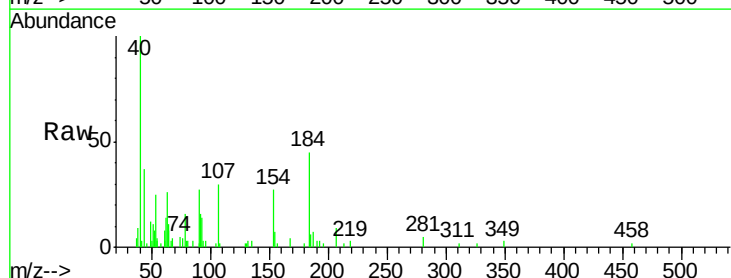
Tgt Ion:184 Resp: 6860

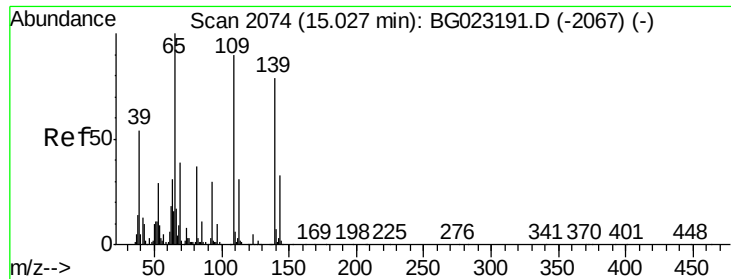
Ion Ratio Lower Upper

184 100

63 57.9 40.5 60.7

154 60.9 48.5 72.7





#52

4-Nitrophenol

Concen: 2.39 ng/ul

RT: 15.03 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BG023255.D

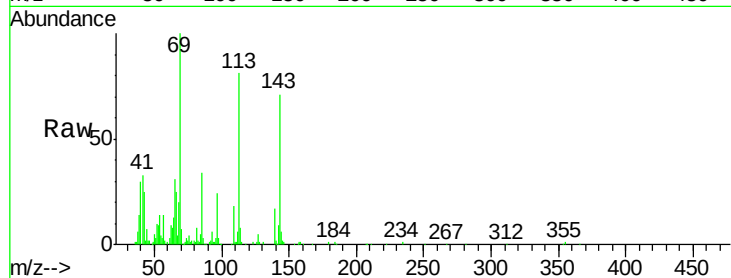
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

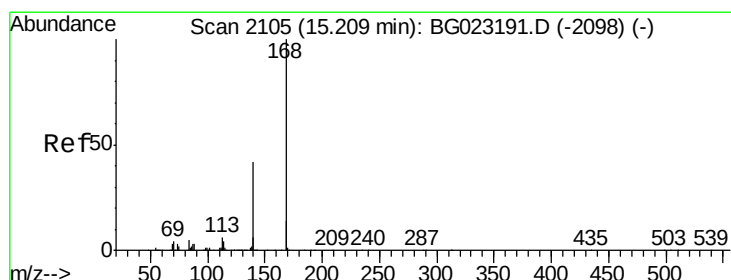
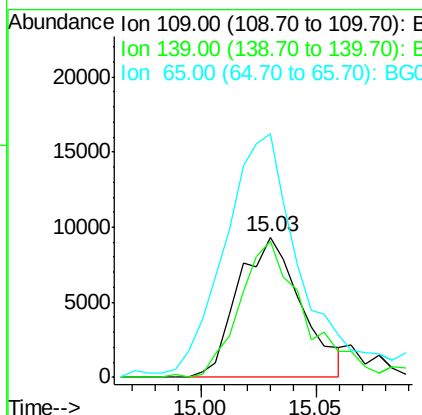
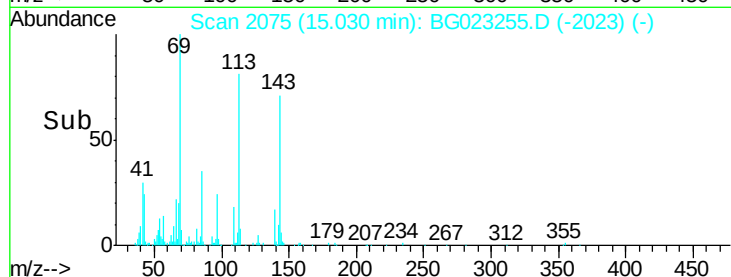


Tgt Ion:	109	Resp:	17810
Ion Ratio	Lower	Upper	
109	100		
139	97.0	136.1	204.1#
65	173.7	106.0	159.0#

Manual Integrations

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#53

Dibenzofuran

Concen: 3.55 ng/ul

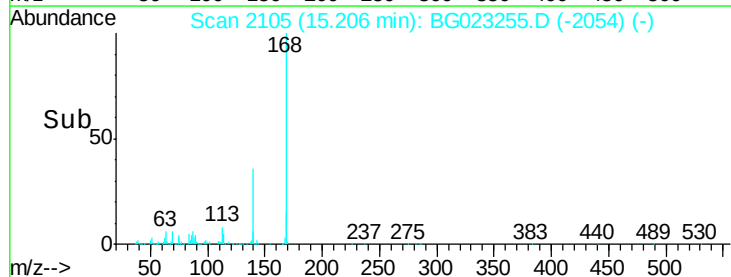
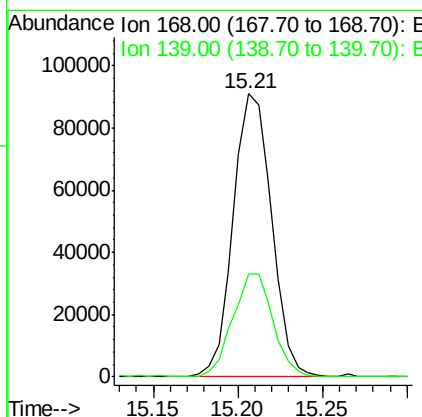
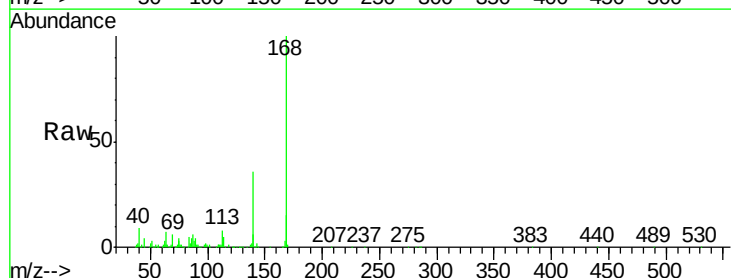
RT: 15.21 min Scan# 2105

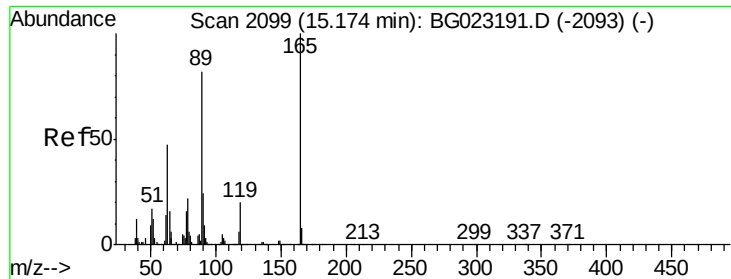
Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	168	Resp:	144400
Ion Ratio	Lower	Upper	
168	100		
139	36.4	27.4	41.0





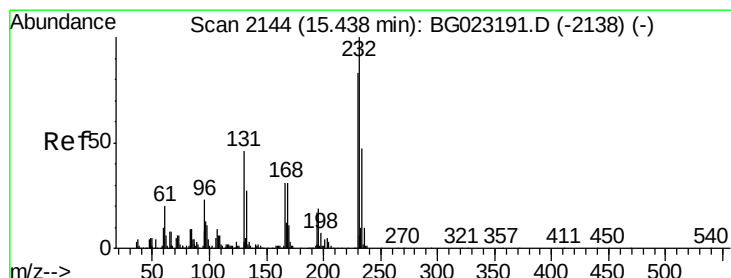
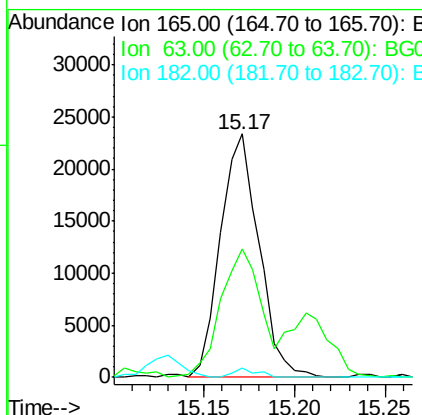
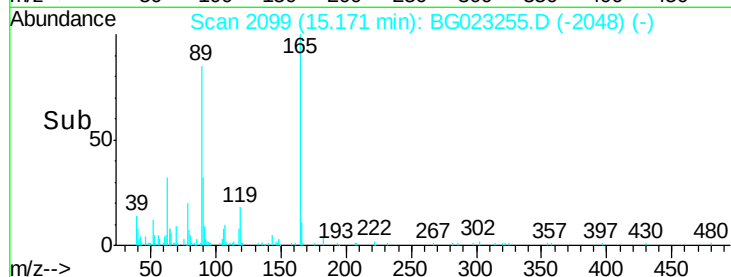
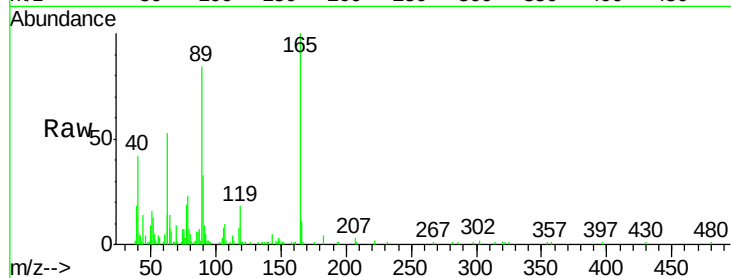
#54
2,4-Dinitrotoluene
Concen: 2.91 ng/ul
RT: 15.17 min Scan# 2099
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.7	25.7	38.5#
182	3.9	2.1	3.1#

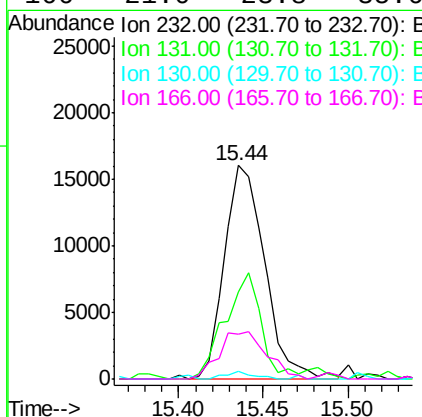
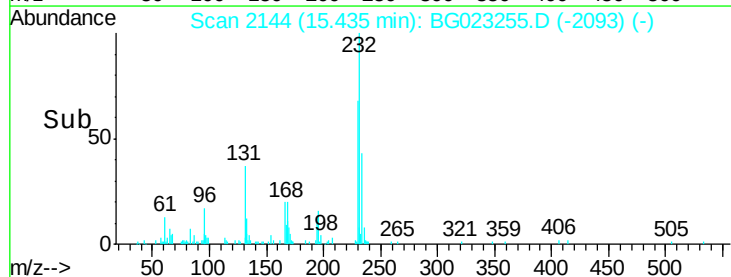
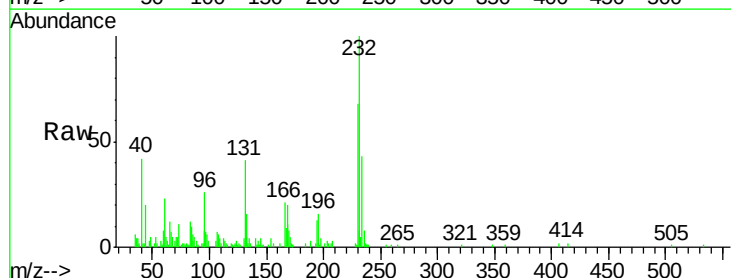
Manual Integrations

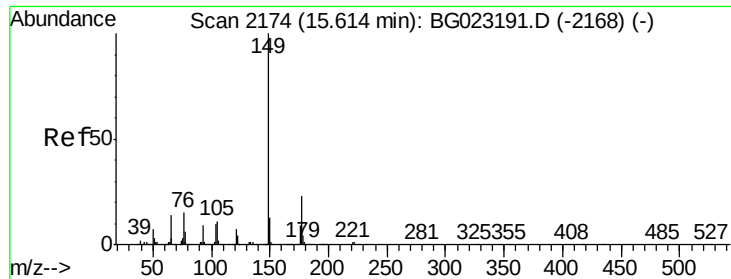
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#55
2,3,4,6-Tetrachlorophenol
Concen: 2.64 ng/ul
RT: 15.44 min Scan# 2144
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
232	100		
131	43.5	34.8	52.2
130	3.6	2.2	3.2#
166	21.0	23.8	35.6#





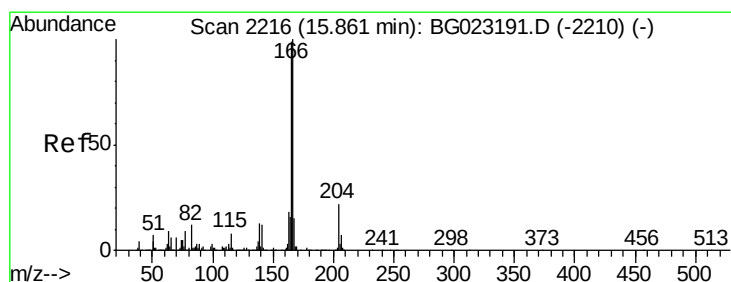
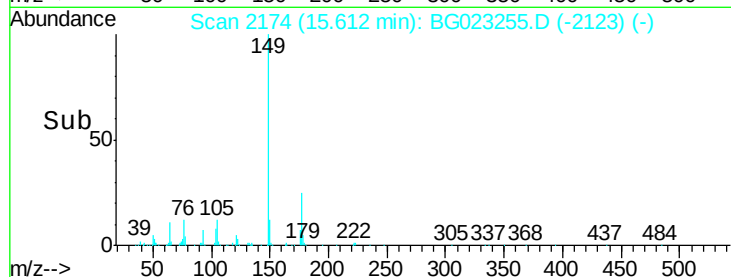
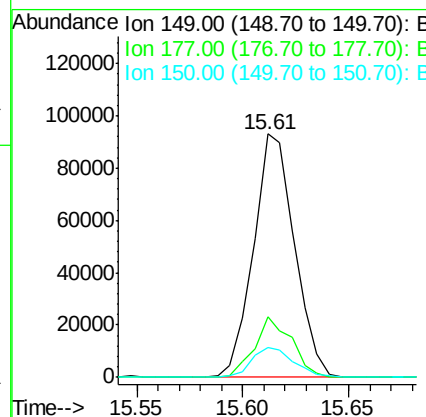
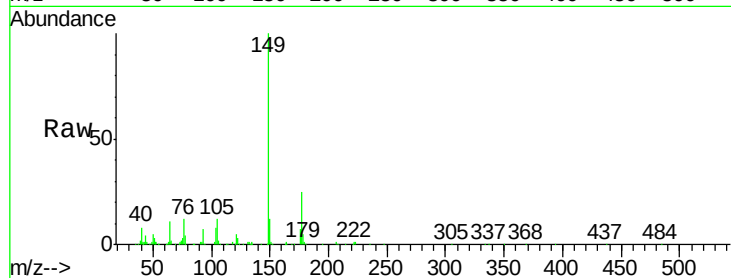
#56
Diethylphthalate
Concen: 3.30 ng/ul
RT: 15.61 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.0	17.4	26.2
150	12.2	9.6	14.4

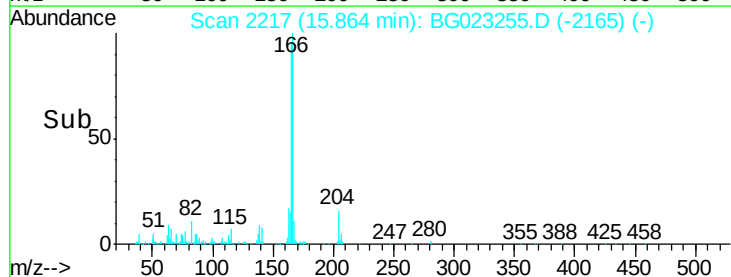
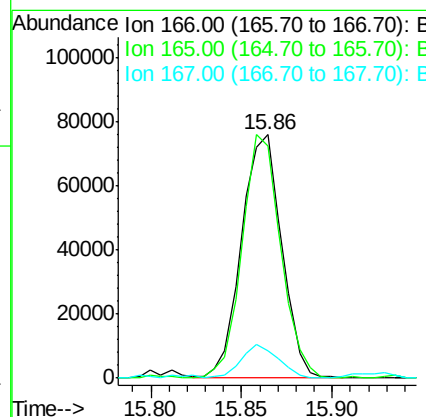
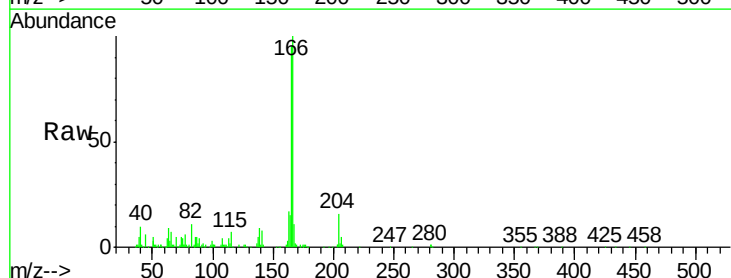
Manual Integrations

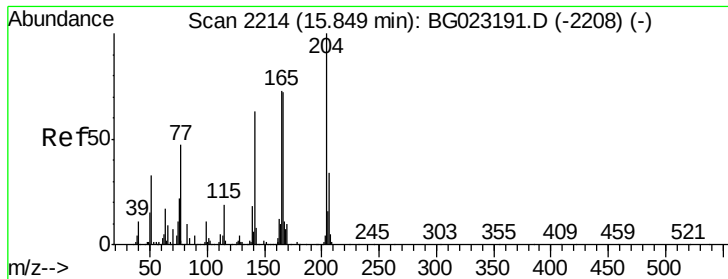
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#58
Fluorene
Concen: 3.48 ng/ul
RT: 15.86 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.4	80.3	120.5
167	11.1	10.3	15.5





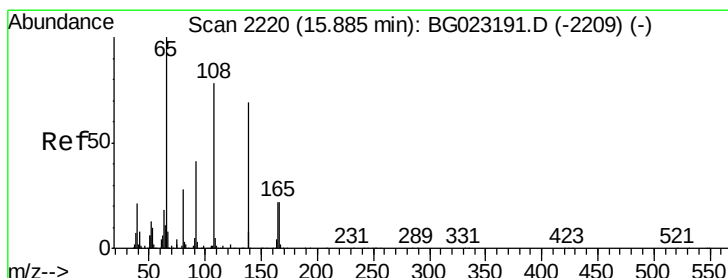
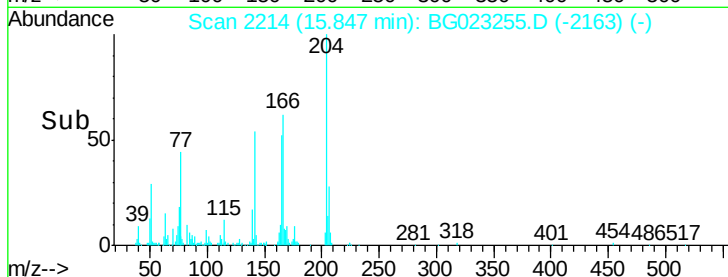
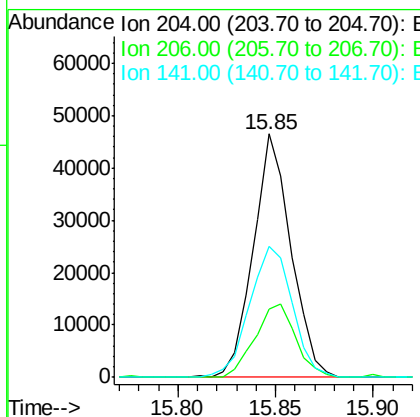
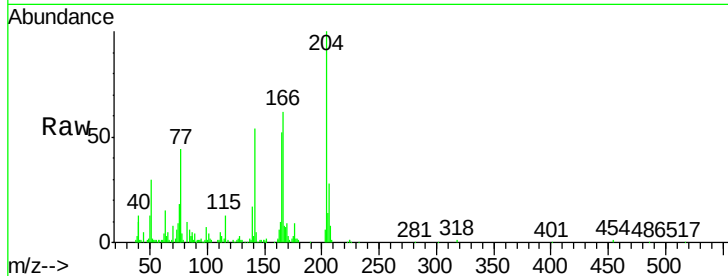
#59
4-Chlorophenyl-phenylether
Concen: 3.38 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
204	100		
206	28.2	27.4	41.2
141	53.6	47.1	70.7

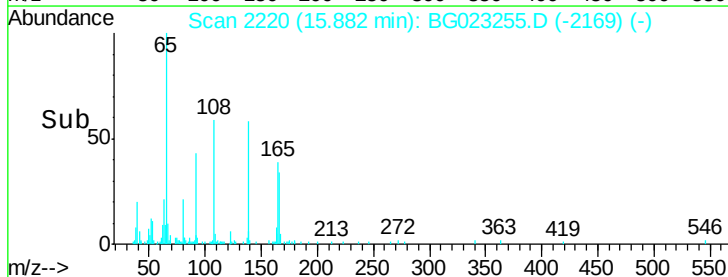
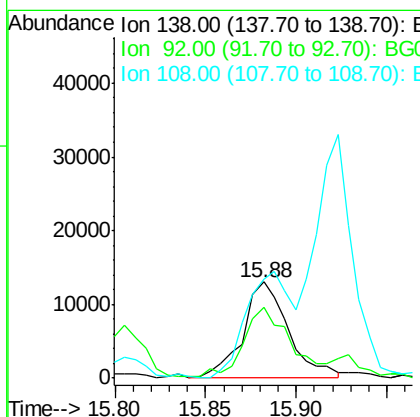
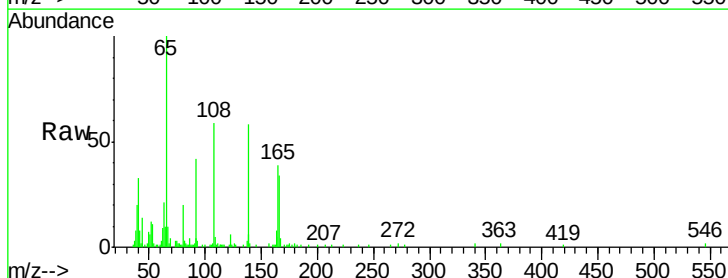
Manual Integrations

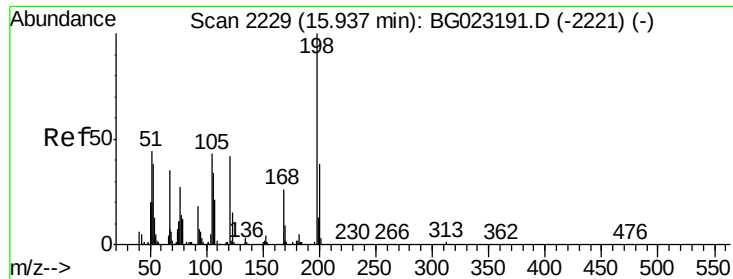
SOHIL
7/26/2016 11:40:52 AM



#60
4-Nitroaniline
Concen: 2.80 ng/ul
RT: 15.88 min Scan# 2220
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
138	100		
92	73.3	39.0	58.4#
108	102.5	49.2	73.8#





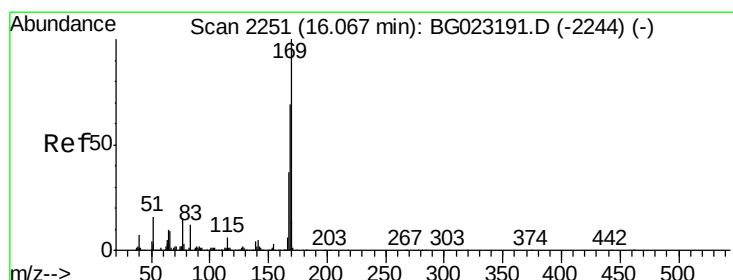
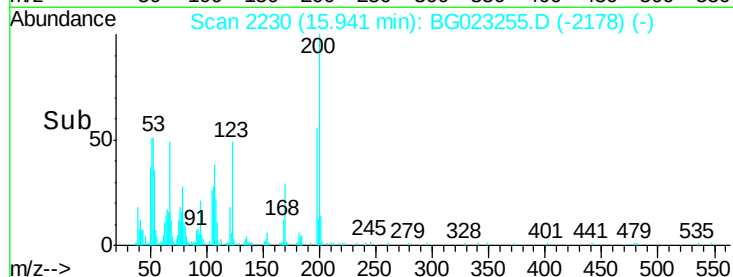
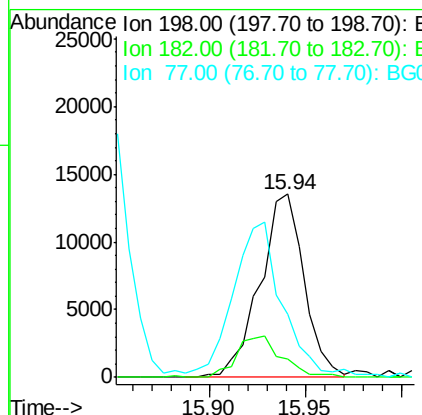
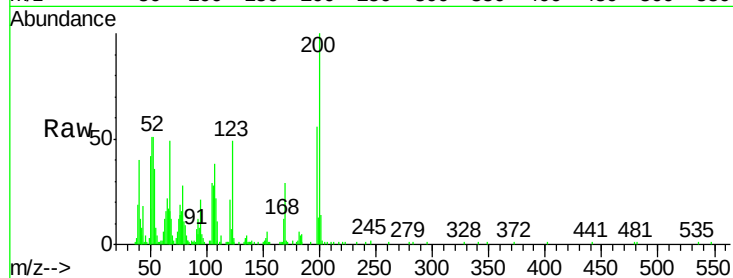
#63
 4,6-Dinitro-2-methylphenol
 Concen: 3.01 ng/ul m
 RT: 15.94 min Scan# 2230
 Delta R.T. 0.00 min
 Lab File: BG023255.D
 Acq: 25 Jul 2016 16:22

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S

Tgt Ion	Ratio	Lower	Upper
198	100		
182	9.9	4.2	6.2#
77	34.2	16.7	25.1#

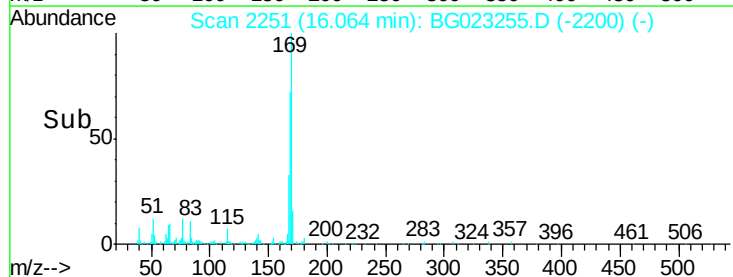
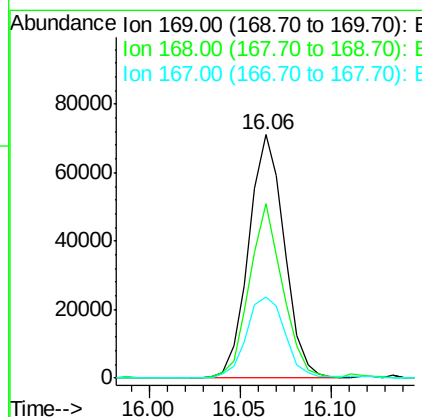
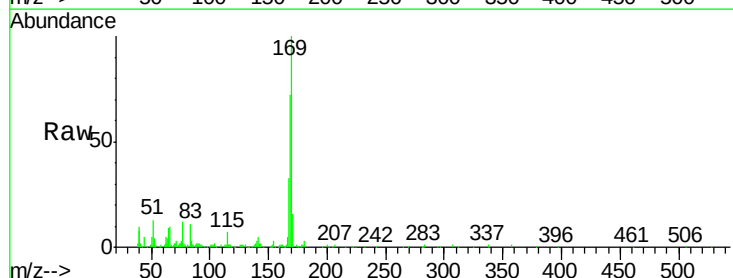
Manual Integrations

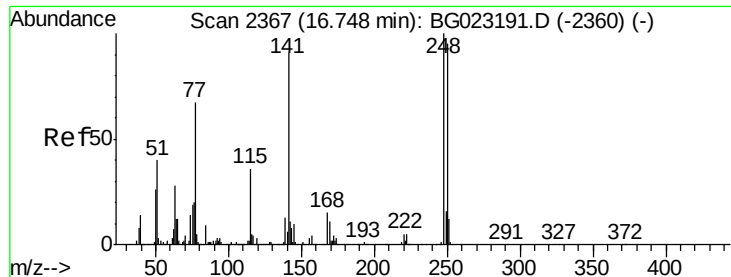
SOHIL
 7/26/2016 11:40:52 AM



#64
 N-Nitrosodiphenylamine
 Concen: 3.43 ng/ul
 RT: 16.06 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: BG023255.D
 Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.7	59.0	88.6
167	33.1	30.6	46.0





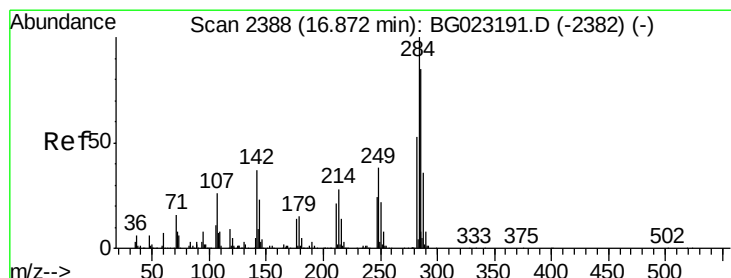
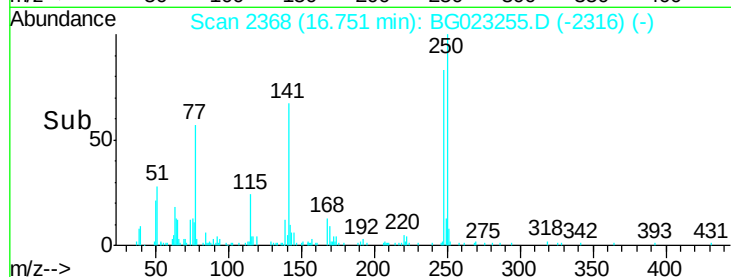
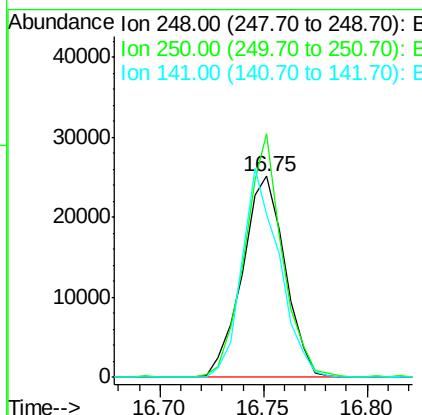
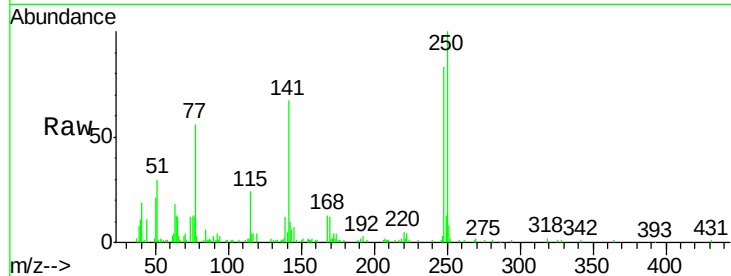
#65
4-Bromophenyl-phenylether
Concen: 3.19 ng/ul m
RT: 16.75 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion:248 Resp: 36158
Ion Ratio Lower Upper
248 100
250 121.0 76.6 114.8#
141 81.2 61.8 92.6

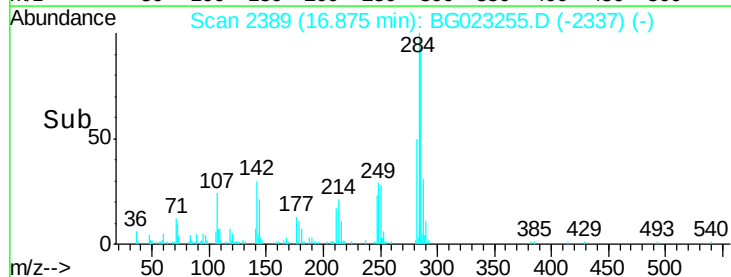
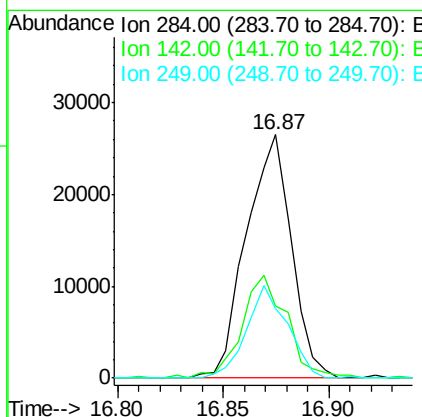
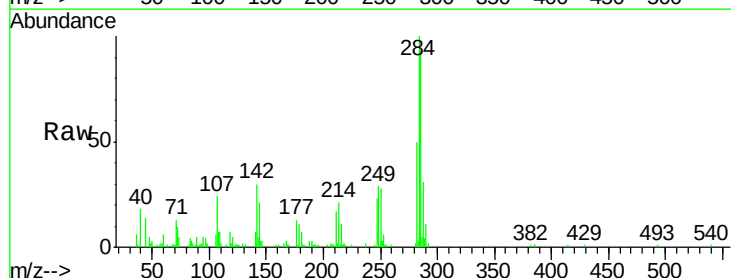
Manual Integrations

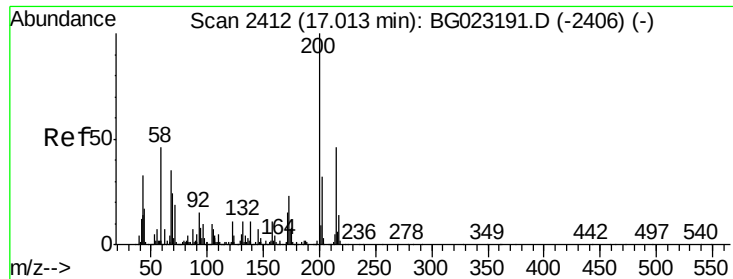
SOHIL
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#66
Hexachlorobenzene
Concen: 3.39 ng/ul
RT: 16.87 min Scan# 2389
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion:284 Resp: 39346
Ion Ratio Lower Upper
284 100
142 32.3 27.8 41.8
249 26.6 24.4 36.6





#67

Atrazine

Concen: 3.01 ng/ul

RT: 17.02 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

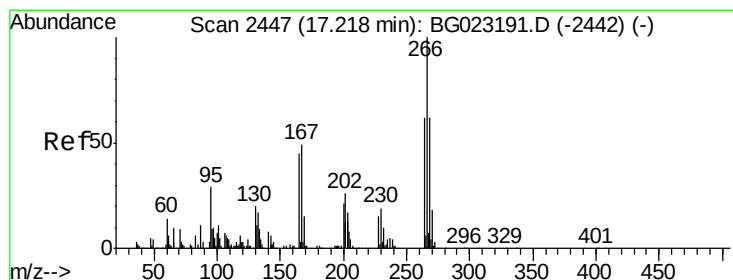
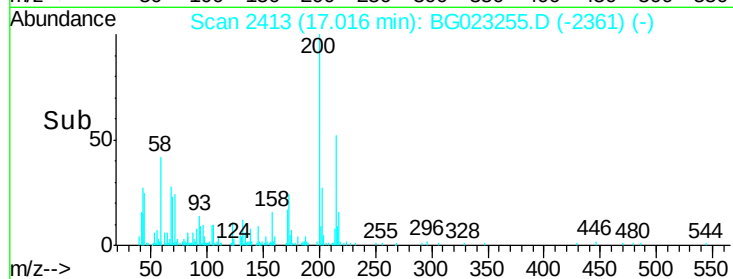
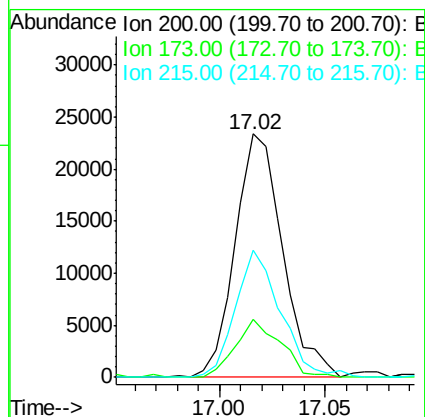
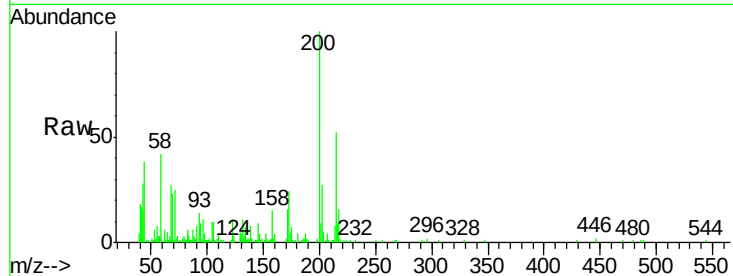
MDL-07-S

Tgt Ion:	200	Resp:	36543
Ion Ratio	Lower	Upper	
200	100		
173	24.1	21.0	31.6
215	52.2	37.9	56.9

Manual Integrations

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#68

Pentachlorophenol

Concen: 1.92 ng/ul

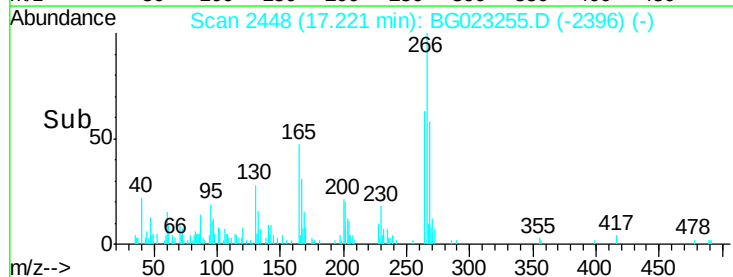
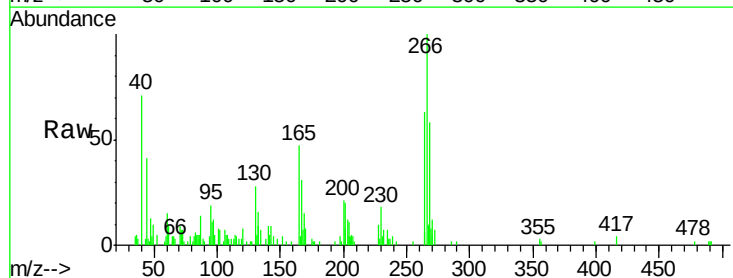
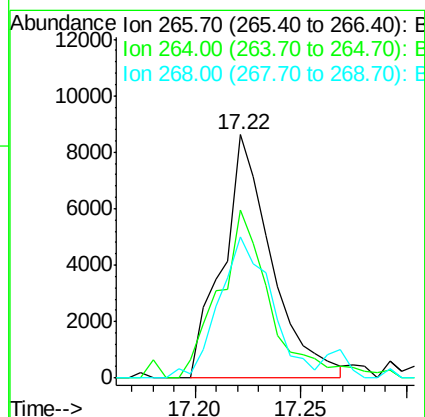
RT: 17.22 min Scan# 2448

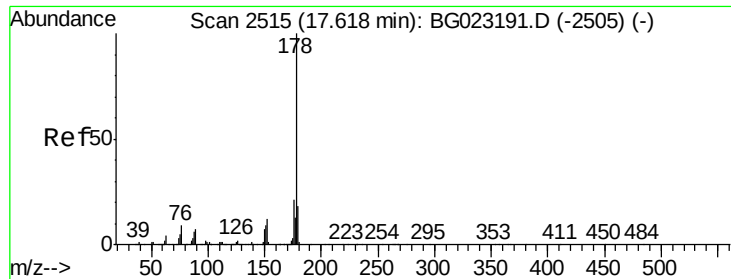
Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	266	Resp:	13819
Ion Ratio	Lower	Upper	
266	100		
264	68.9	54.7	82.1
268	58.2	57.8	86.8





#69

Phenanthrene

Concen: 3.72 ng/ul m

RT: 17.62 min Scan# 2515

Delta R.T. -0.00 min

Lab File: BG023255.D

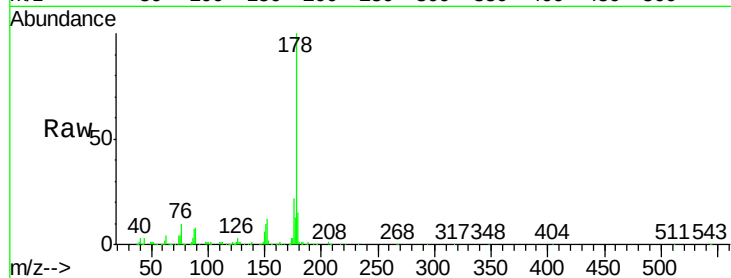
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

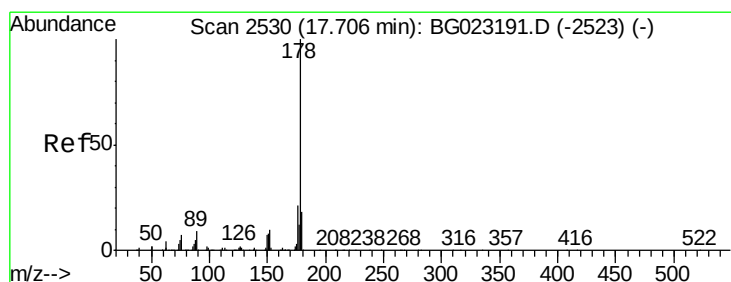
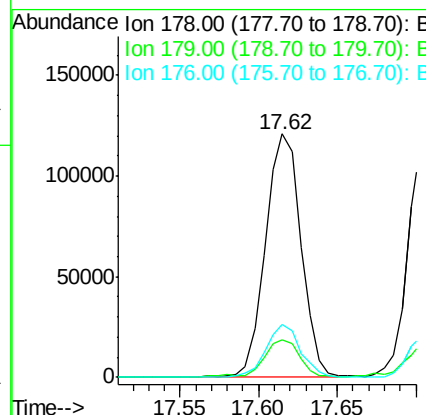
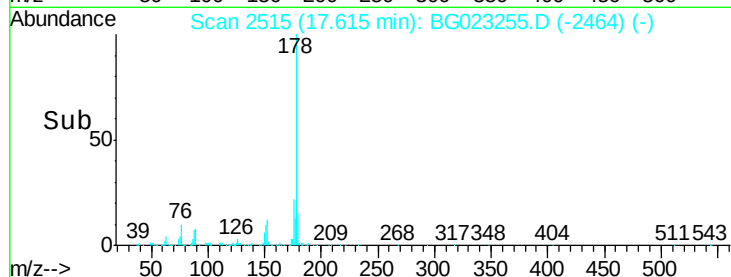


Tgt Ion:	178	Resp:	189152
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.9	19.3
176	21.5	15.8	23.8

Manual Integrations

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#71

Anthracene

Concen: 3.68 ng/ul

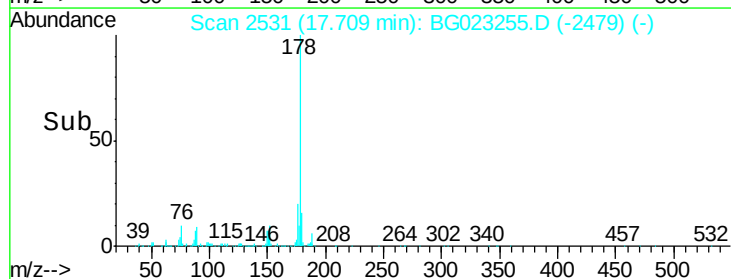
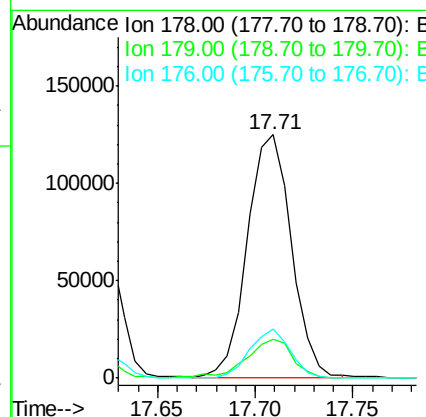
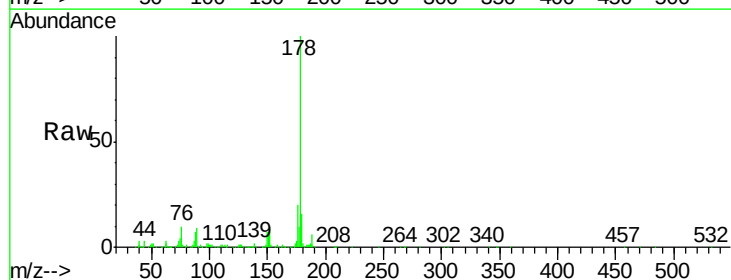
RT: 17.71 min Scan# 2531

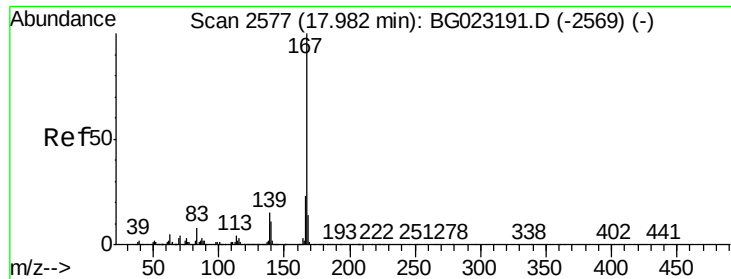
Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	178	Resp:	195806
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.3	18.5
176	20.2	16.3	24.5





#72

Carbazole

Concen: 3.79 ng/ul m

RT: 17.98 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

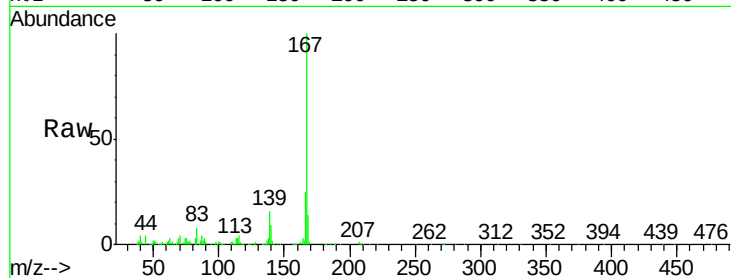
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.9	19.2	28.8
139	15.9	10.2	15.4

Manual Integrations

SOHIL

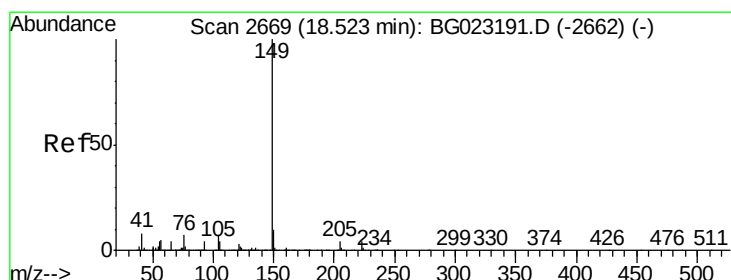
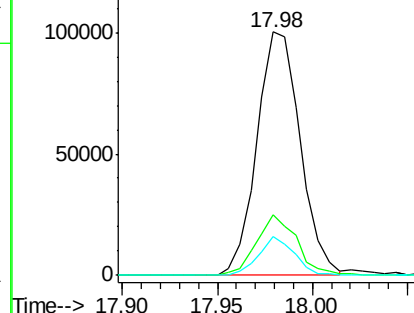
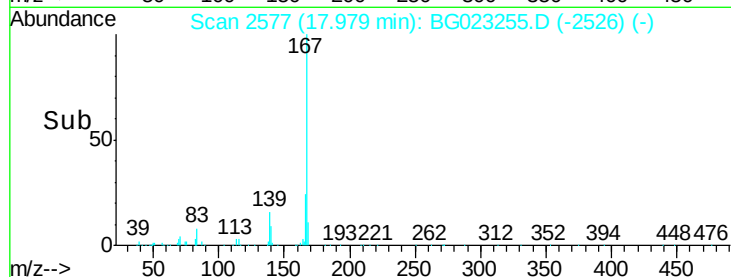
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 3.45 ng/ul m

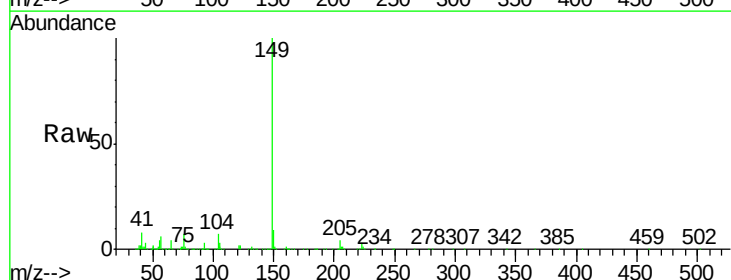
RT: 18.52 min Scan# 2669

Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

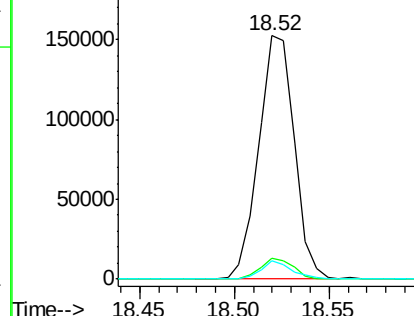
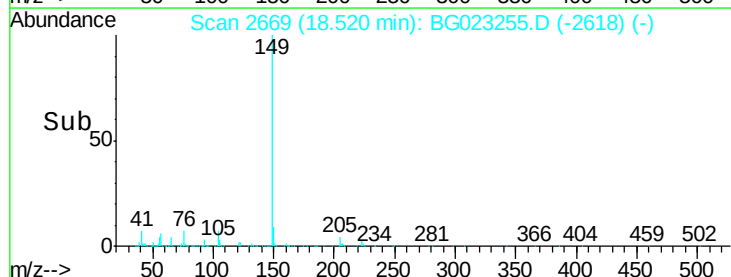
Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.1	10.7
104	7.5	3.3	4.9

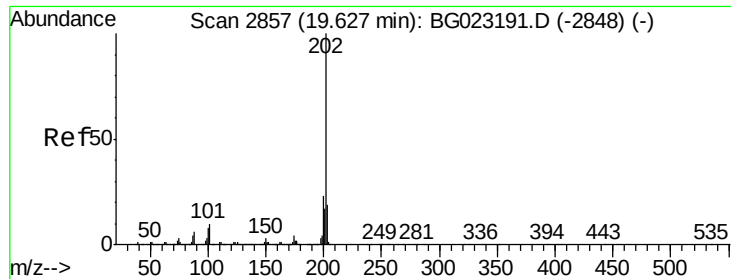


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 4.15 ng/ul m

RT: 19.62 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BG023255.D

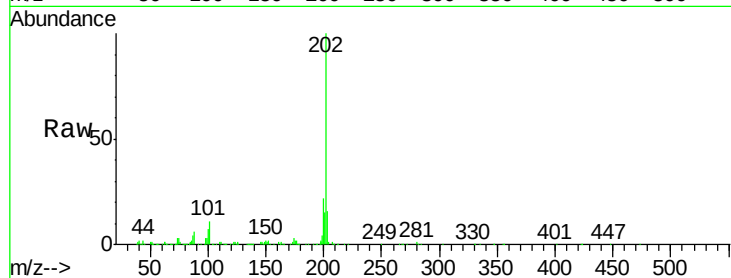
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

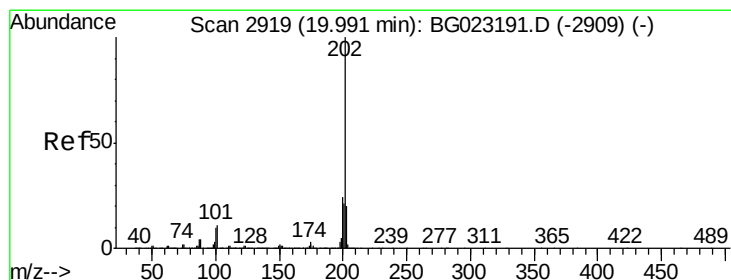
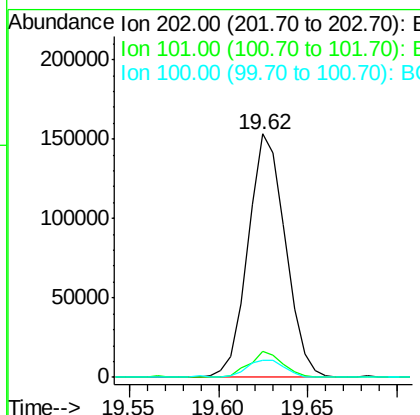
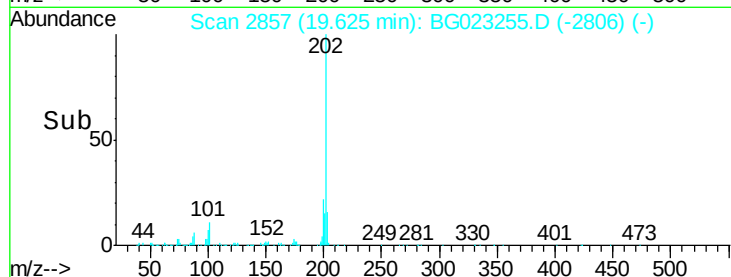


Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.9	10.6	16.0	
100	7.0	8.7	13.1	

Manual Integrations

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#77

Pyrene

Concen: 3.88 ng/ul m

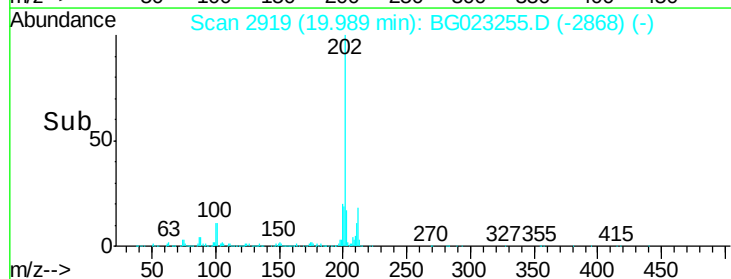
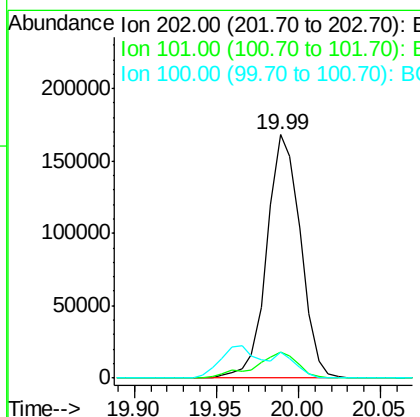
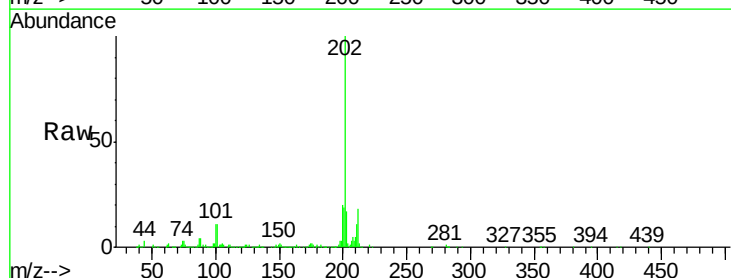
RT: 19.99 min Scan# 2919

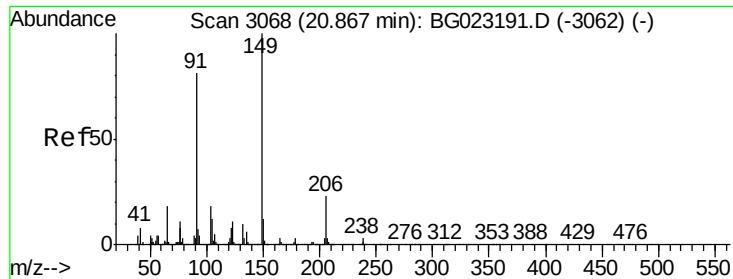
Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.9	12.5	18.7	
100	10.7	10.2	15.4	





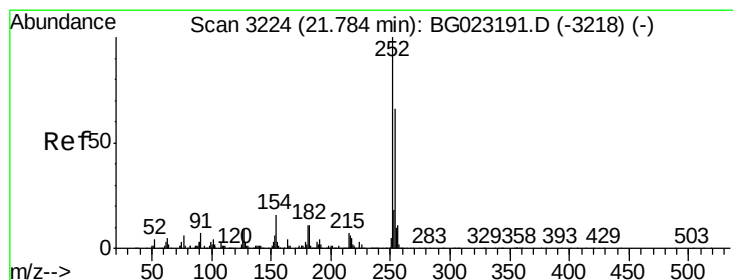
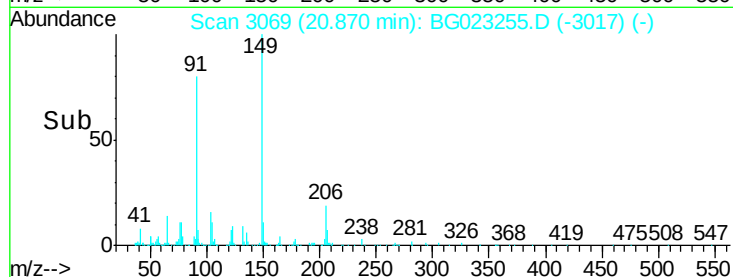
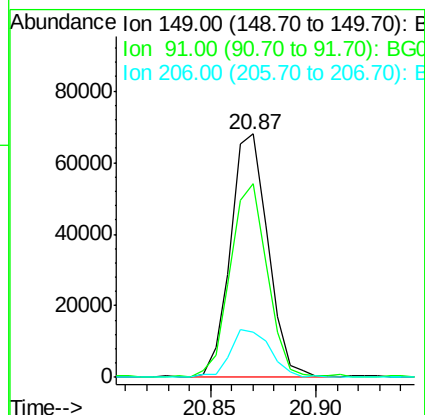
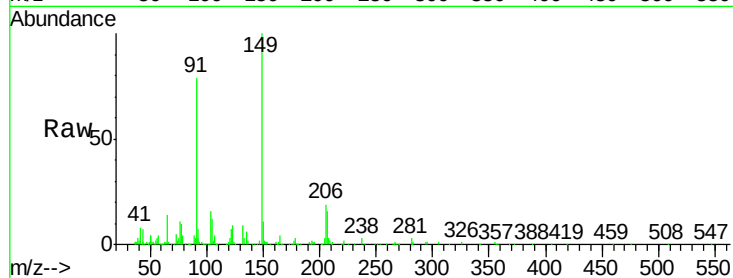
#78
Butylbenzylphthalate
Concen: 3.10 ng/ul
RT: 20.87 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.4	54.2	81.4
206	18.8	14.1	21.1

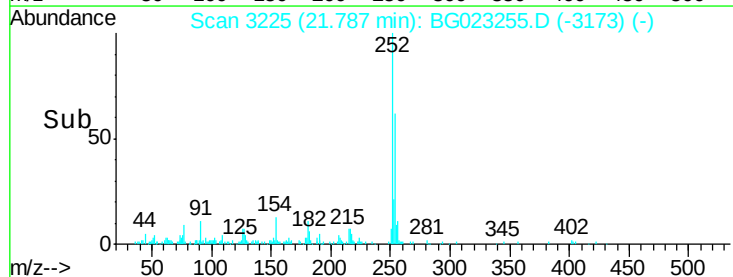
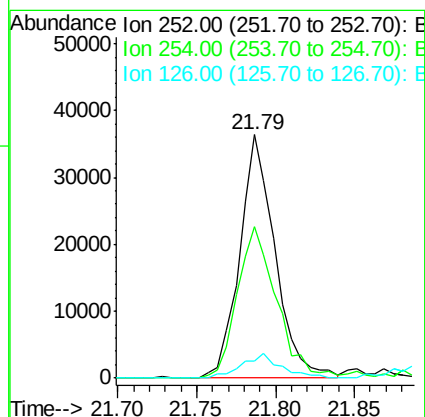
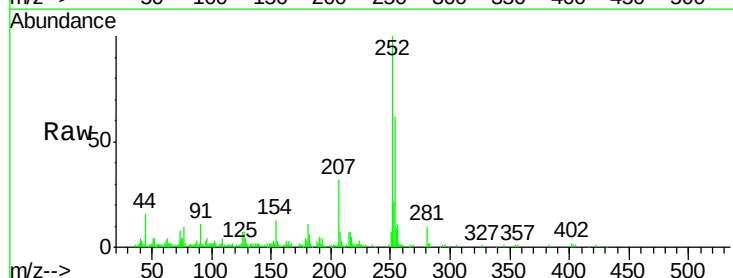
Manual Integrations

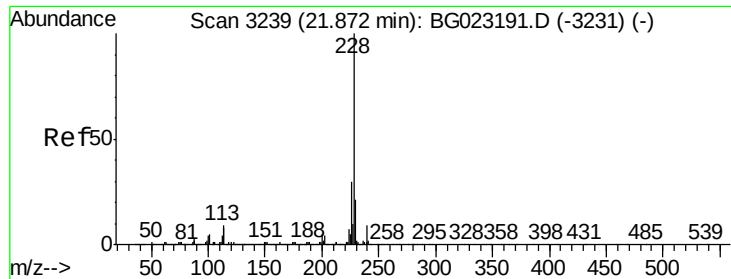
SOHIL
7/26/2016 11:40:52 AM



#79
3,3'-Dichlorobenzidine
Concen: 2.79 ng/ul m
RT: 21.79 min Scan# 3225
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.3	51.4	77.2
126	7.2	10.7	16.1#





#80

Benzo(a)anthracene

Concen: 3.64 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

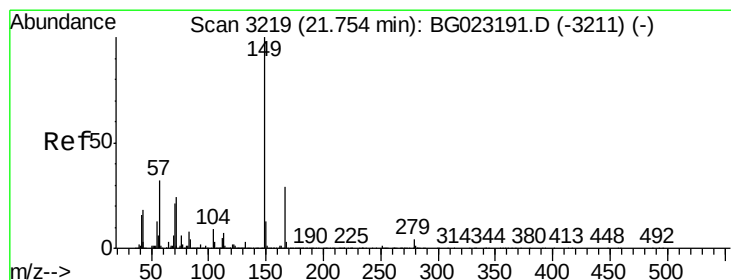
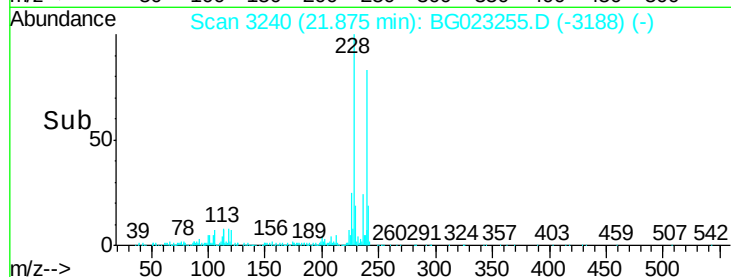
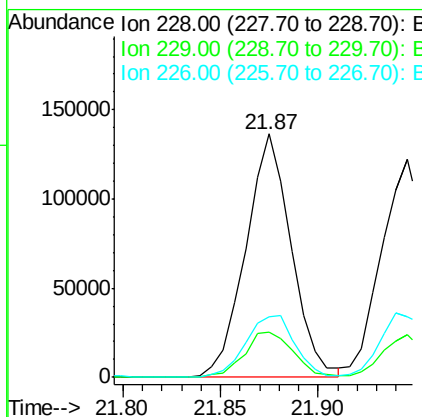
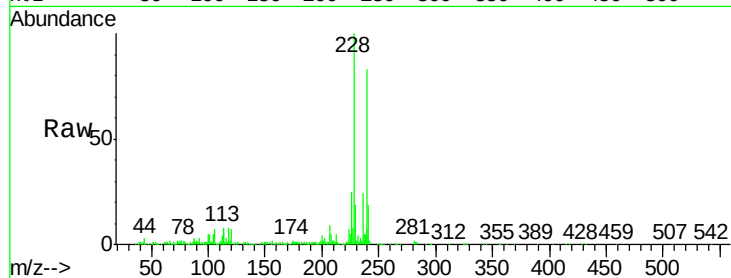
MDL-07-S

Tgt Ion:	228	Resp:	220169
Ion Ratio	Lower	Upper	
228	100		
229	18.5	15.4	23.2
226	24.9	22.8	34.2

Manual Integrations

SOHIL

7/26/2016 11:40:52 AM



#81

Bis(2-ethylhexyl)phthalate

Concen: 3.24 ng/ul m

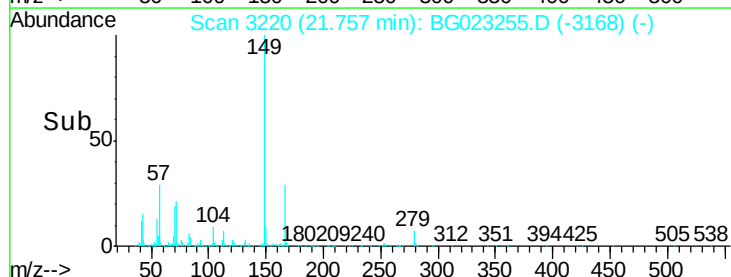
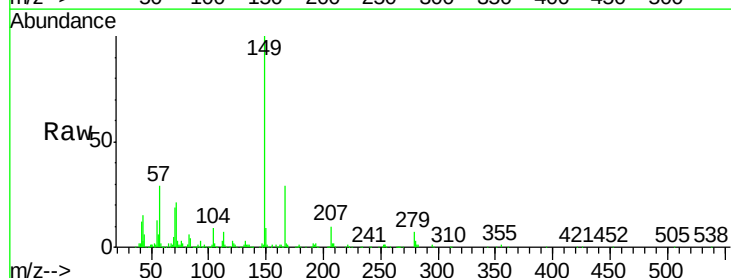
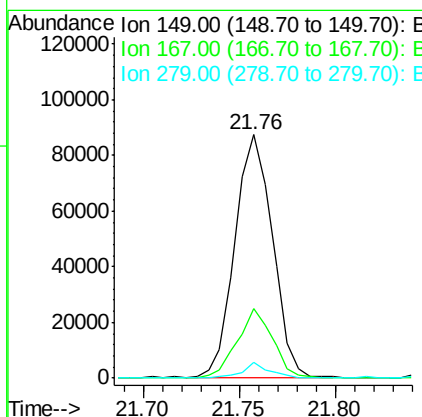
RT: 21.76 min Scan# 3220

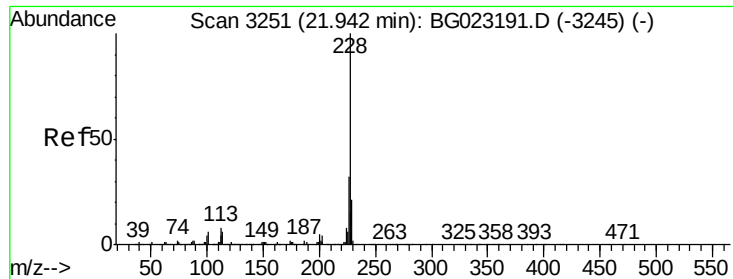
Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion:	149	Resp:	119021
Ion Ratio	Lower	Upper	
149	100		
167	28.6	21.9	32.9
279	6.7	2.9	4.3#





#82

Chrysene

Concen: 3.77 ng/ul m

RT: 21.95 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

Tgt Ion: 228 Resp: 206783

Ion Ratio Lower Upper

228 100

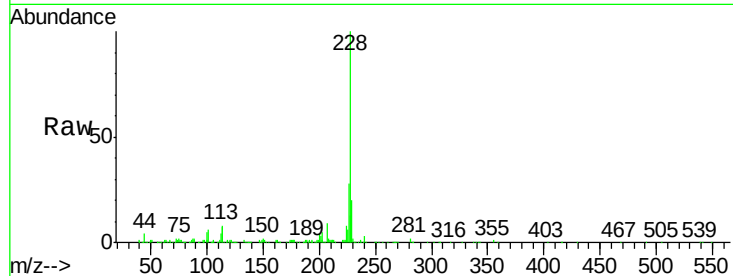
226 27.8 24.2 36.4

229 19.7 15.0 22.6

Manual Integrations

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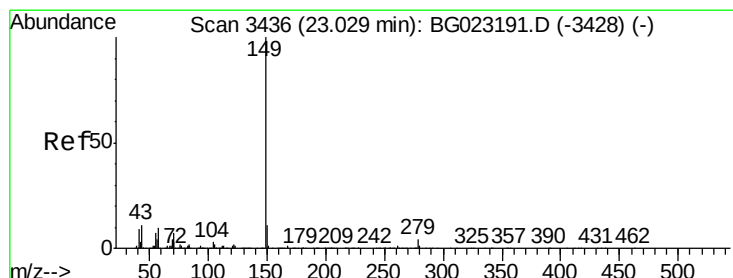
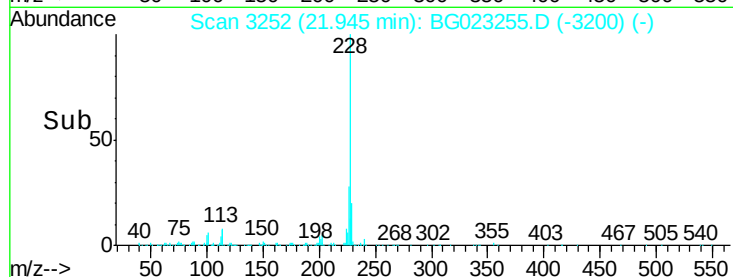
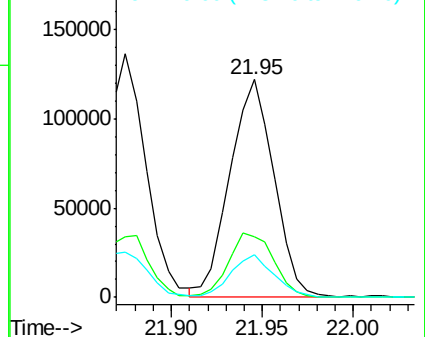
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 3.67 ng/ul

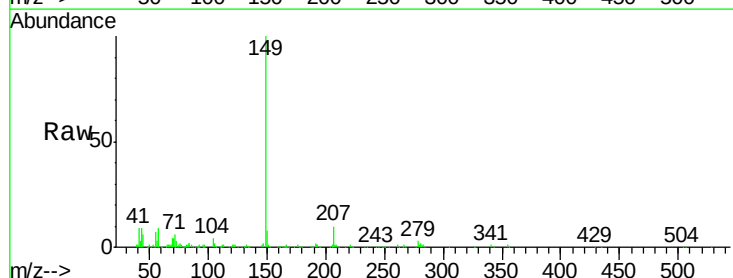
RT: 23.03 min Scan# 3437

Delta R.T. 0.00 min

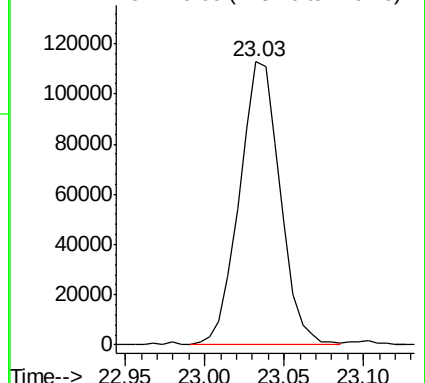
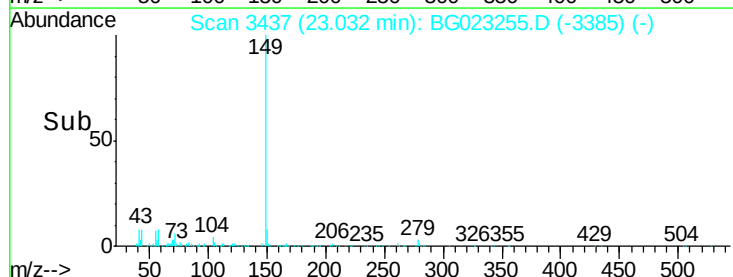
Lab File: BG023255.D

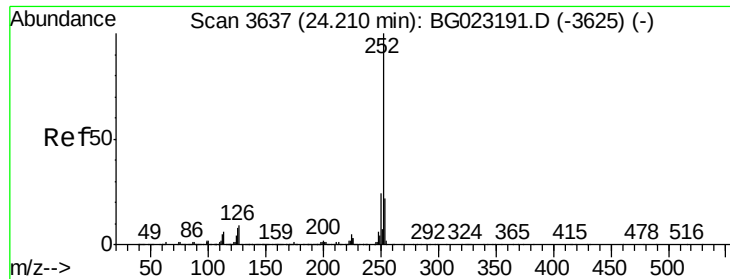
Acq: 25 Jul 2016 16:22

Tgt Ion: 149 Resp: 200692



Abundance Ion 149.00 (148.70 to 149.70): E





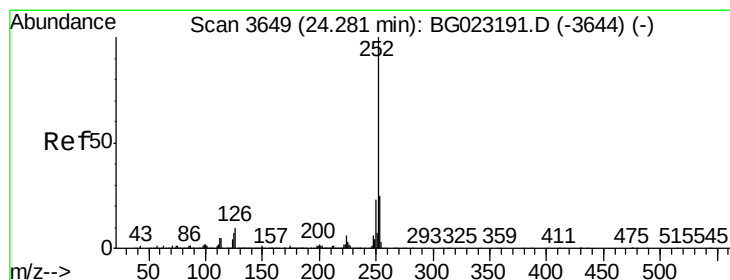
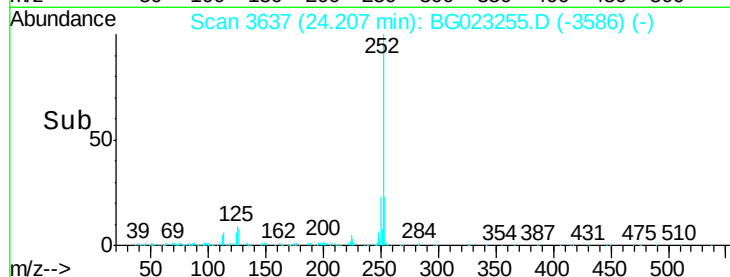
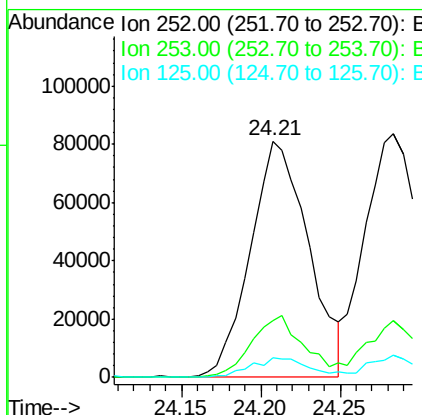
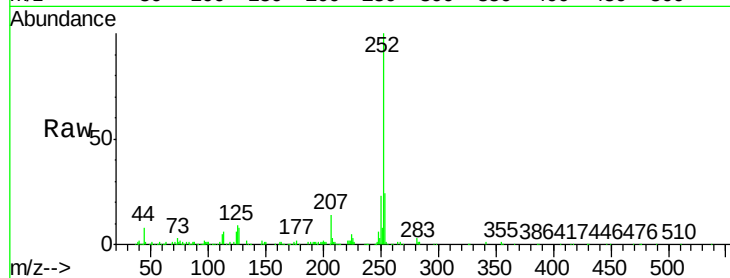
#85
Benzo(b)fluoranthene
Concen: 3.45 ng/ul
RT: 24.21 min Scan# 3637
Delta R.T. -0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampled :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	8.5	10.8	16.2

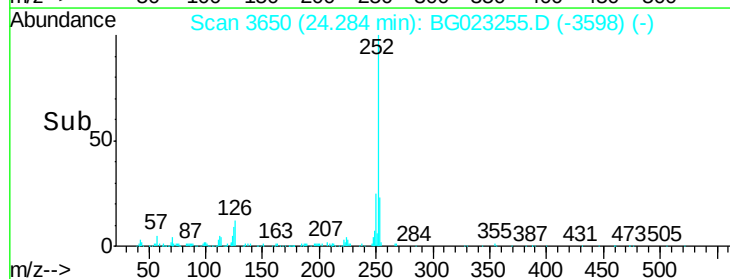
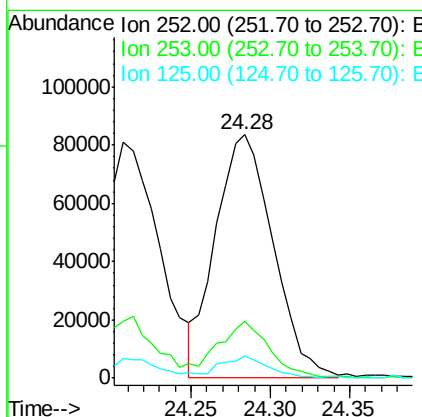
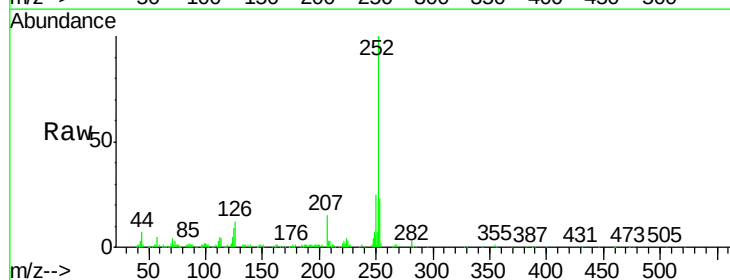
Manual Integrations

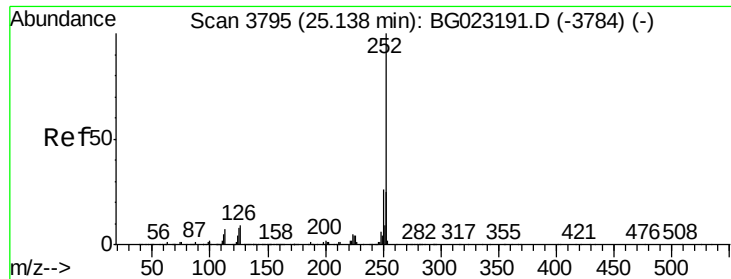
SOHIL
7/26/2016 11:40:52 AM



#86
Benzo(k)fluoranthene
Concen: 3.71 ng/ul
RT: 24.28 min Scan# 3650
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	15.8	23.6
125	9.2	10.6	16.0





#88

Benzo(a)pyrene

Concen: 3.75 ng/ul m

RT: 25.14 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BG023255.D

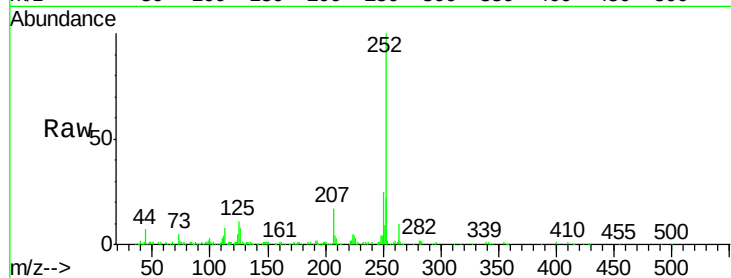
Acq: 25 Jul 2016 16:22

Instrument :

BNA_G

ClientSampleId :

MDL-07-S

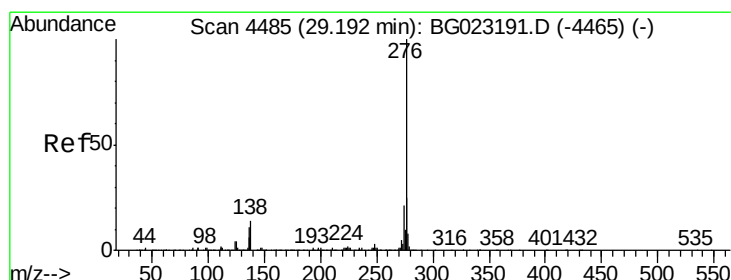
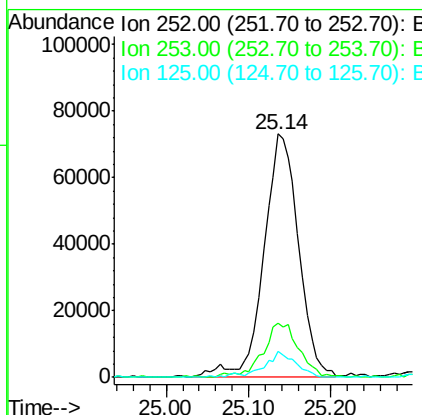
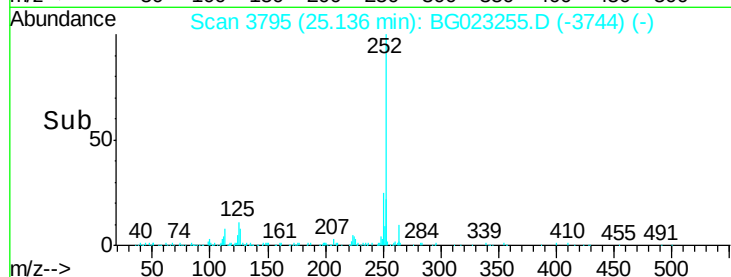


Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.4
125	10.7	12.0	18.0#

Manual Integrations

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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.21 ng/ul m

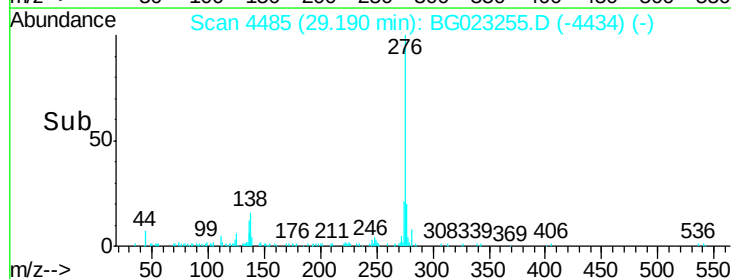
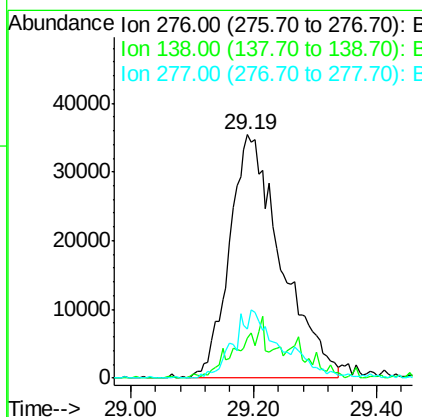
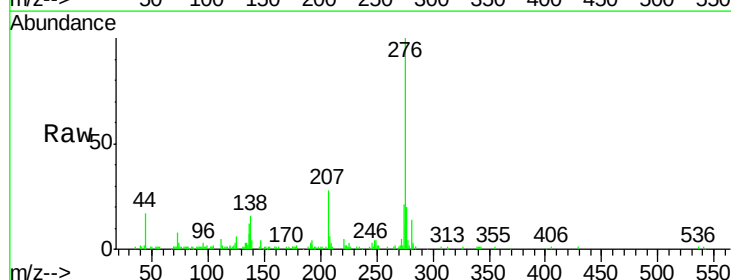
RT: 29.19 min Scan# 4485

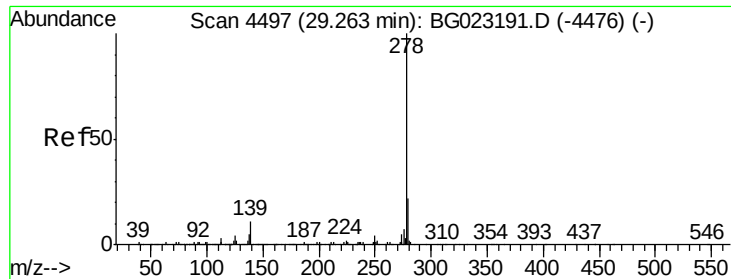
Delta R.T. -0.00 min

Lab File: BG023255.D

Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	20.8	31.2#
277	20.4	17.6	26.4





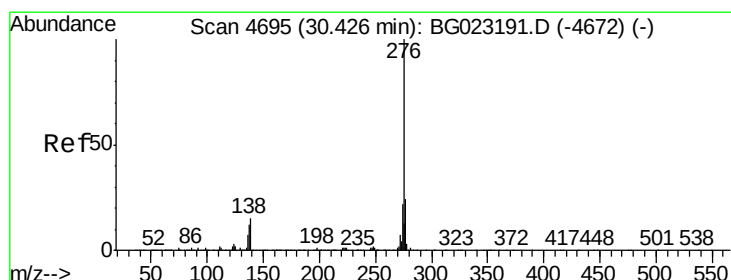
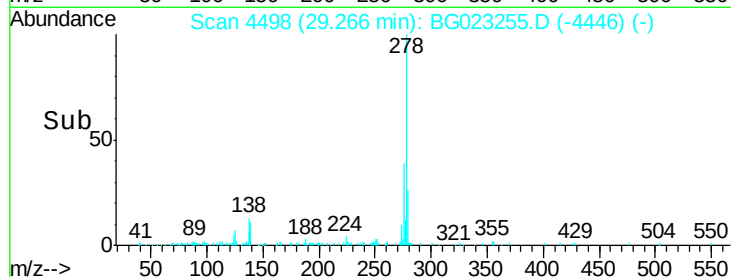
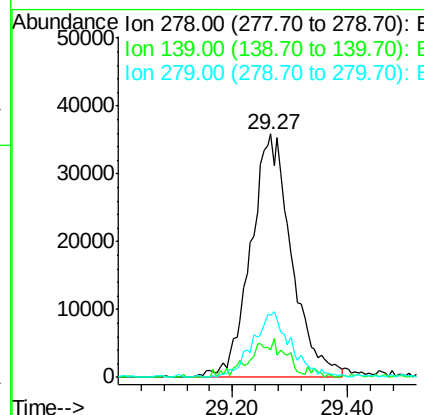
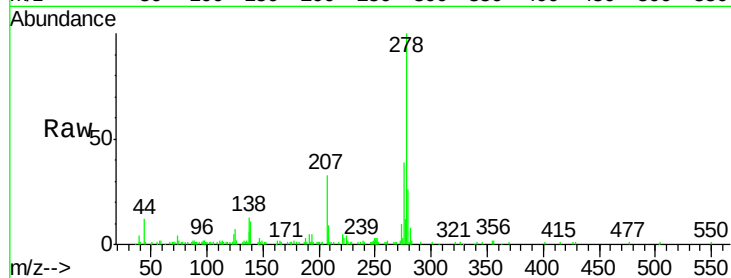
#90
Dibenzo(a,h)anthracene
Concen: 3.33 ng/ul m
RT: 29.27 min Scan# 4498
Delta R.T. 0.00 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Instrument :
BNA_G
ClientSampleId :
MDL-07-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.4	16.3	24.5#
279	25.7	19.1	28.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 3.44 ng/ul m
RT: 30.41 min Scan# 4693
Delta R.T. -0.01 min
Lab File: BG023255.D
Acq: 25 Jul 2016 16:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	22.1	33.1#
277	24.6	17.0	25.4

