

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
 Data File : BG023264.D
 Acq On : 25 Jul 2016 23:20
 Operator : UM/SJ
 Sample : MDL-07-S-ML
 Misc : MDL 4PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S-ML

Manual Integrations

APPROVED
 SOHIL
 7/26/2016 11:41:17 AM

Quant Time: Jul 26 10:36:17 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	204948	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	685686	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	483419	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	1119222	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1127068	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	1117861	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	11258	2.48	ng/uL	0.00
5) Phenol-d5	7.29	99	702340m	33.24	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	537011	38.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	499956	35.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.84	113	369416	22.47	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	188405	34.35	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	217773	33.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	359536	29.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	510599	40.95	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1334754	33.21	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1584310	34.68	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	215345	30.36	ng/ul	0.00
57) Fluorene-d10	15.81	176	1215773	33.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	237638	30.86	ng/ul	0.00
70) Anthracene-d10	17.67	188	1815056	34.64	ng/ul	0.00
76) Pyrene-d10	19.96	212	2025266	34.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1915667	36.50	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.54	88	3927m	0.81	ng/ul
4) Benzaldehyde	7.26	77	51383	3.92	ng/ul
6) Phenol	7.31	94	68562	3.12	ng/ul#
8) Bis(2-Chloroethyl)ether	7.55	93	63568	3.85	ng/ul
10) 2-Chlorophenol	7.69	128	45996	3.15	ng/ul#
11) 2-Methylphenol	8.58	108	39409	2.43	ng/ul
12) 2,2'-oxybis(1-Chloropropan	8.67	45	54973	2.46	ng/ul#
14) Acetophenone	8.96	105	65427	2.29	ng/ul#
15) N-Nitroso-di-n-propylamine	8.94	70	37895	2.01	ng/ul#
16) 4-Methylphenol	8.92	108	38031	2.10	ng/ul
17) Hexachloroethane	9.24	117	17533m	2.54	ng/ul
20) Nitrobenzene	9.36	77	55715	3.15	ng/ul#
21) Isophorone	9.88	82	102484	3.03	ng/ul#
23) 2-Nitrophenol	10.08	139	23165m	3.39	ng/ul
24) 2,4-Dimethylphenol	10.13	107	45332	2.89	ng/ul
25) Bis(2-Chloroethoxy)methane	10.37	93	57972	3.10	ng/ul#
27) 2,4-Dichlorophenol	10.61	162	34723m	2.91	ng/ul
28) Naphthalene	11.02	128	114517	3.32	ng/ul
30) 4-Chloroaniline	11.14	127	48435	3.76	ng/ul
31) Hexachlorobutadiene	11.30	225	29249	3.05	ng/ul
32) Caprolactam	11.91	113	13511m	2.73	ng/ul
33) 4-Chloro-3-methylphenol	12.26	107	42708m	2.73	ng/ul
34) 2-Methylnaphthalene	12.63	142	92304	3.24	ng/ul

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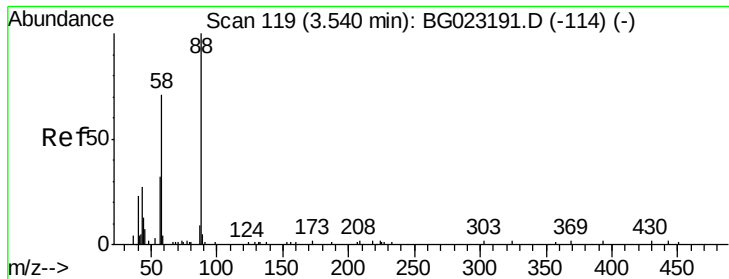
Manual Integrations

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 7/26/2016 11:41:17 AM

Quant Time: Jul 26 10:36:17 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	53279	3.30	ng/ul#	94
37) Hexachlorocyclopentadiene	12.98	237	22986	2.19	ng/ul#	93
38) 2,4,6-Trichlorophenol	13.24	196	30531	2.73	ng/ul	95
39) 2,4,5-Trichlorophenol	13.32	196	31982	2.81	ng/ul	85
40) 1,1'-Biphenyl	13.63	154	128690	3.55	ng/ul	99
41) 2-Chloronaphthalene	13.68	162	99901	3.42	ng/ul	99
42) 2-Nitroaniline	13.89	65	35363	2.72	ng/ul#	52
44) Dimethylphthalate	14.25	163	134458	3.30	ng/ul#	93
45) 2,6-Dinitrotoluene	14.38	165	25713	2.91	ng/ul	92
47) Acenaphthylene	14.53	152	166597	3.60	ng/ul	96
48) 3-Nitroaniline	14.71	138	24063	3.19	ng/ul#	54
49) Acenaphthene	14.87	153	106287	3.40	ng/ul	97
50) 2,4-Dinitrophenol	14.93	184	7879	1.42	ng/ul	96
52) 4-Nitrophenol	15.03	109	19576	2.32	ng/ul#	67
53) Dibenzofuran	15.21	168	166642	3.61	ng/ul	91
54) 2,4-Dinitrotoluene	15.17	165	39051	2.90	ng/ul#	61
55) 2,3,4,6-Tetrachlorophenol	15.44	232	27145	2.36	ng/ul	97
56) Diethylphthalate	15.61	149	144460	3.34	ng/ul#	98
58) Fluorene	15.86	166	134950	3.55	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.85	204	67588	3.24	ng/ul	90
60) 4-Nitroaniline	15.88	138	30731	3.31	ng/ul#	65
63) 4,6-Dinitro-2-methylphenol	15.93	198	23964	2.94	ng/ul#	1
64) N-Nitrosodiphenylamine	16.07	169	112734	3.49	ng/ul	90
65) 4-Bromophenyl-phenylether	16.75	248	44270	3.44	ng/ul	96
66) Hexachlorobenzene	16.87	284	43369	3.29	ng/ul	96
67) Atrazine	17.01	200	40136	2.91	ng/ul	95
68) Pentachlorophenol	17.22	266	16089m	1.97	ng/ul	
69) Phenanthrene	17.61	178	223701	3.88	ng/ul	96
71) Anthracene	17.71	178	227268	3.76	ng/ul	97
72) Carbazole	17.98	167	183738	3.87	ng/ul#	93
73) Di-n-butylphthalate	18.52	149	239609	3.64	ng/ul#	97
74) Fluoranthene	19.63	202	257370	4.25	ng/ul#	92
77) Pyrene	19.99	202	276432	4.03	ng/ul#	87
78) Butylbenzylphthalate	20.87	149	98732	3.32	ng/ul#	82
79) 3,3'-Dichlorobenzidine	21.78	252	67074	2.98	ng/ul#	95
80) Benzo(a)anthracene	21.87	228	258545	3.86	ng/ul	94
81) Bis(2-ethylhexyl)phthalate	21.75	149	137849	3.39	ng/ul	98
82) Chrysene	21.94	228	236825	3.90	ng/ul	97
84) Di-n-octyl phthalate	23.03	149	231322	3.73	ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	229037	3.37	ng/ul#	94
86) Benzo(k)fluoranthene	24.27	252	235652	3.66	ng/ul#	90
88) Benzo(a)pyrene	25.14	252	240851	3.72	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	29.19	276	245460m	3.36	ng/ul	
90) Dibenzo(a,h)anthracene	29.25	278	192103m	3.20	ng/ul	
91) Benzo(g,h,i)perylene	30.40	276	200293m	3.32	ng/ul	

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



#2

1,4-Dioxane

Concen: 0.81 ng/uL m

RT: 3.54 min Scan# 119

Delta R.T. -0.00 min

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BNA_G

ClientSampleId :

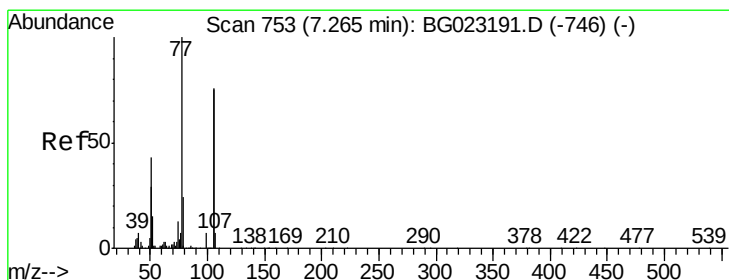
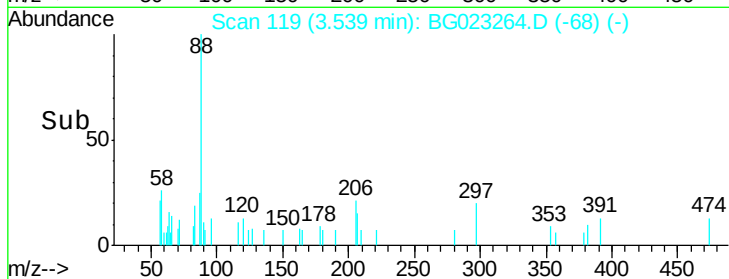
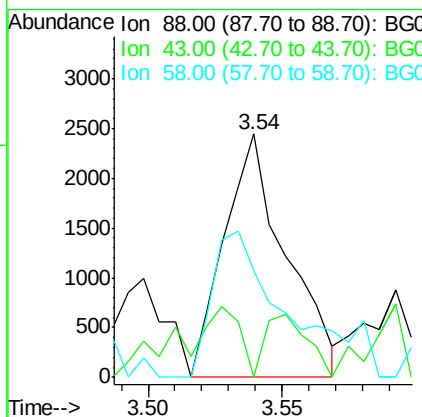
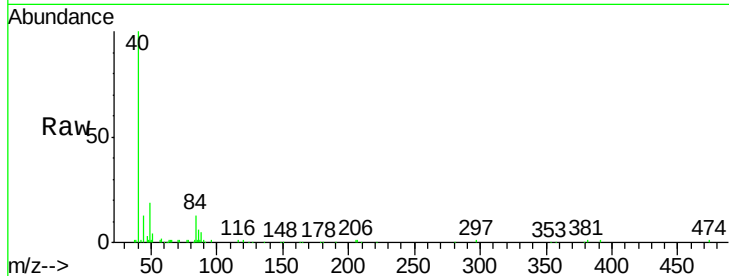
MDL-07-S-ML

Tgt Ion:	88	Resp:	3927
Ion Ratio	Lower	Upper	
88	100		
43	0.0	16.6	24.8#
58	43.9	47.2	70.8#

Manual Integrations

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#4

Benzaldehyde

Concen: 3.92 ng/uL

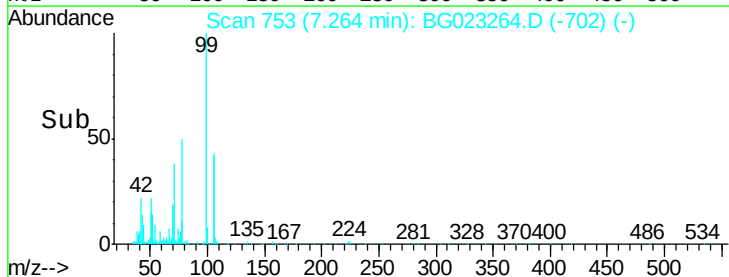
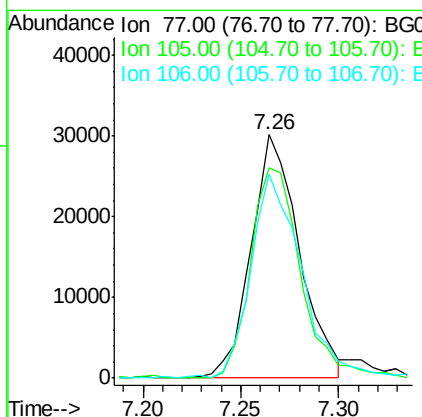
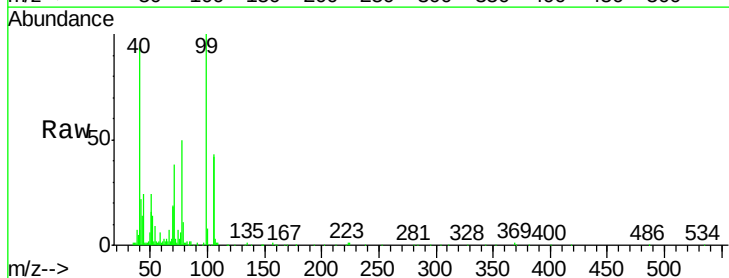
RT: 7.26 min Scan# 753

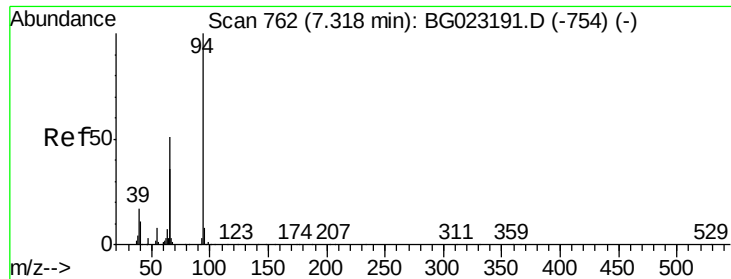
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	77	Resp:	51383
Ion Ratio	Lower	Upper	
77	100		
105	86.2	83.8	125.8
106	83.6	77.9	116.9





#6

Phenol

Concen: 3.12 ng/ul

RT: 7.31 min Scan# 761

Delta R.T. -0.01 min

Lab File: BG023264.D

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Instrument :

BNA_G

ClientSampleId :

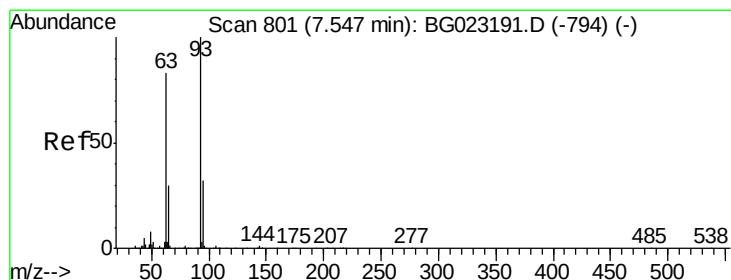
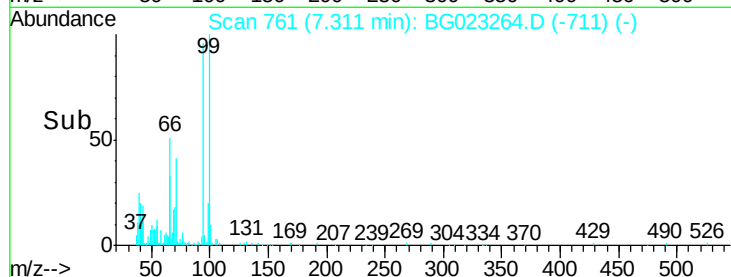
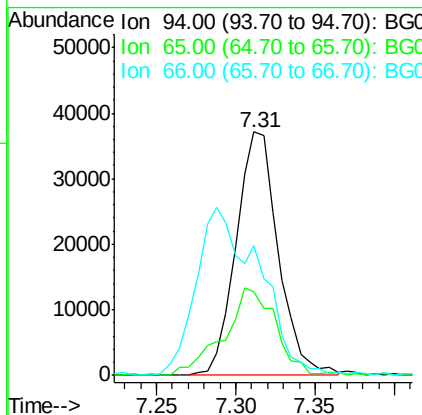
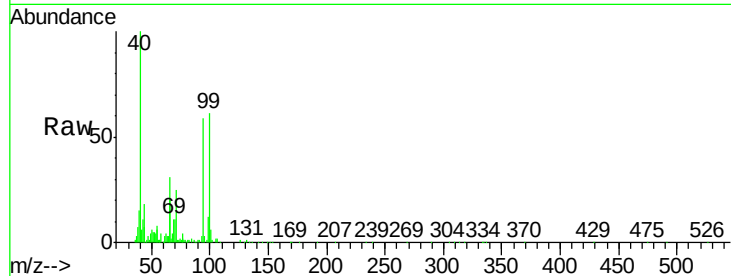
MDL-07-S-ML

Tgt Ion:	94	Resp:	68562
Ion Ratio	Lower	Upper	
94	100		
65	34.2	16.8	25.2#
66	53.3	22.6	33.8#

Manual Integrations

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#8

Bis(2-Chloroethyl)ether

Concen: 3.85 ng/ul

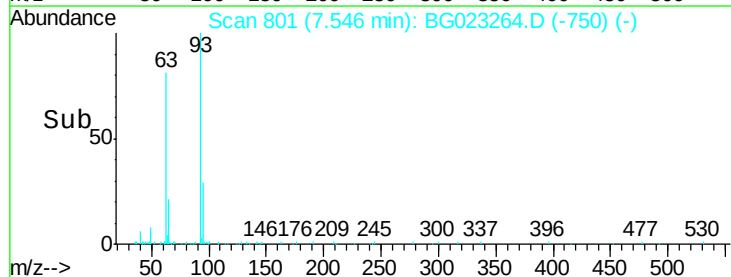
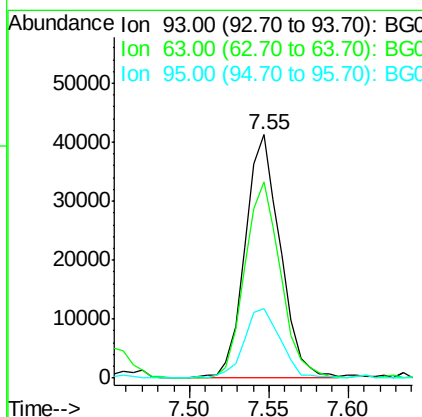
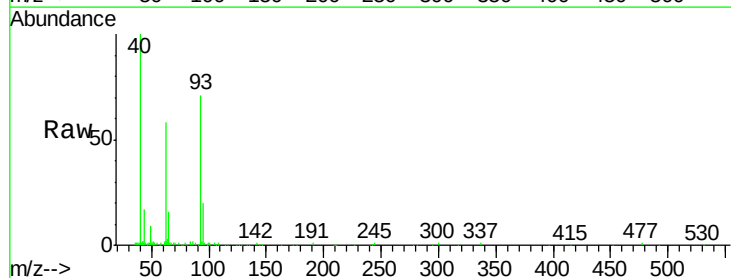
RT: 7.55 min Scan# 801

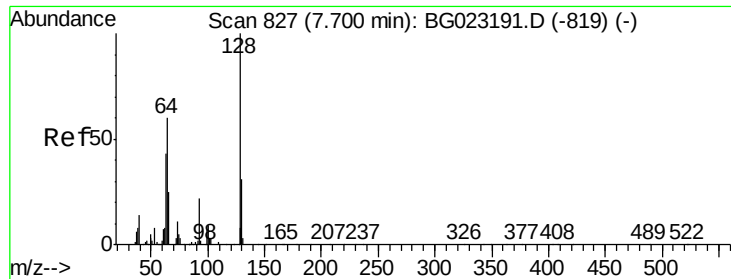
Delta R.T. -0.00 min

Lab File: BG023264.D

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Tgt Ion:	93	Resp:	63568
Ion Ratio	Lower	Upper	
93	100		
63	80.6	56.0	84.0
95	28.6	27.7	41.5





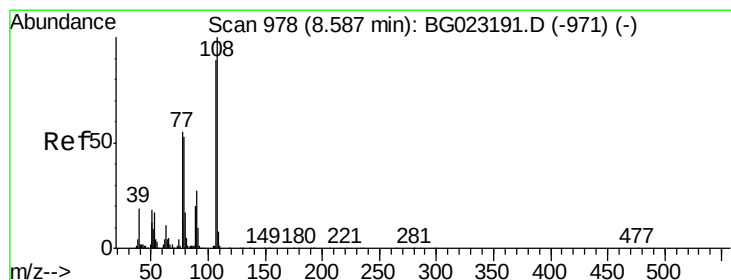
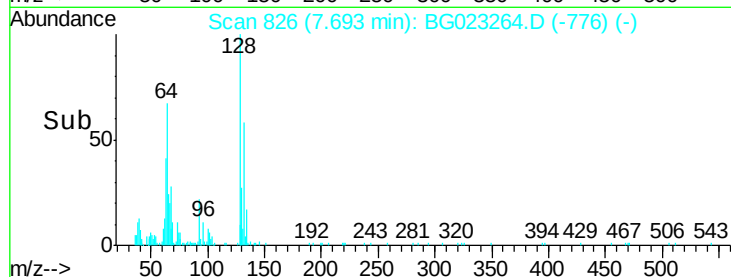
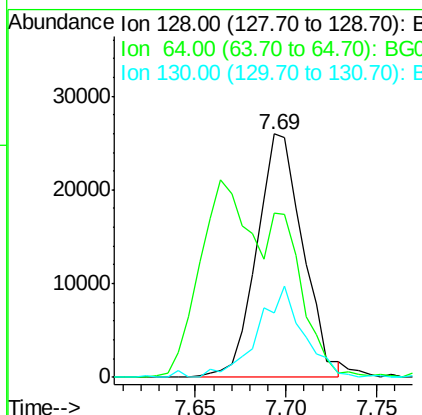
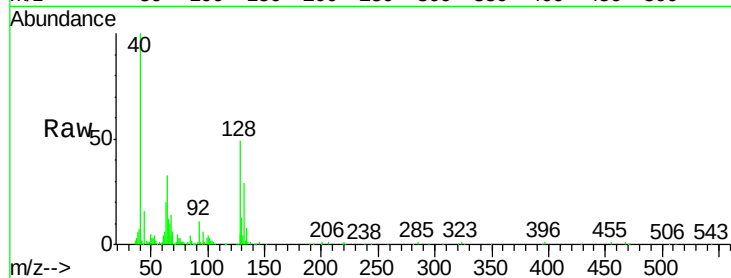
#10
2-Chlorophenol
Concen: 3.15 ng/ul
RT: 7.69 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG023264.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
64	67.5	34.2	51.4#
130	26.5	27.0	40.4#

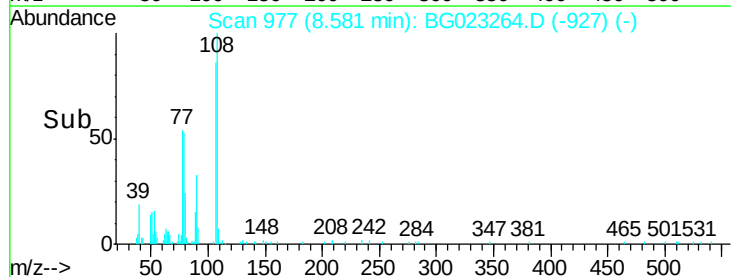
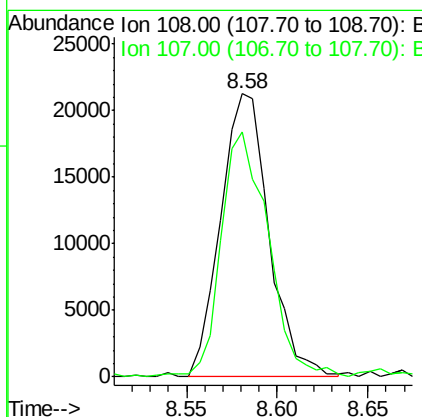
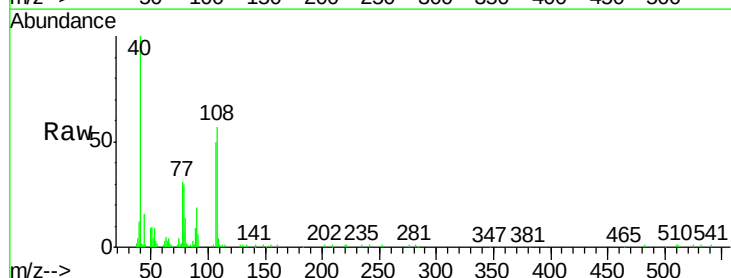
Manual Integrations

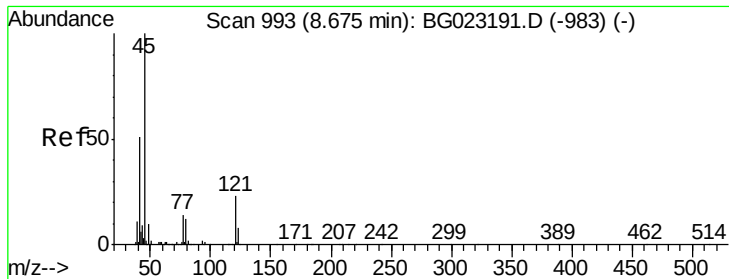
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#11
2-Methylphenol
Concen: 2.43 ng/ul
RT: 8.58 min Scan# 977
Delta R.T. -0.01 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
108	100		
107	86.5	78.6	117.8





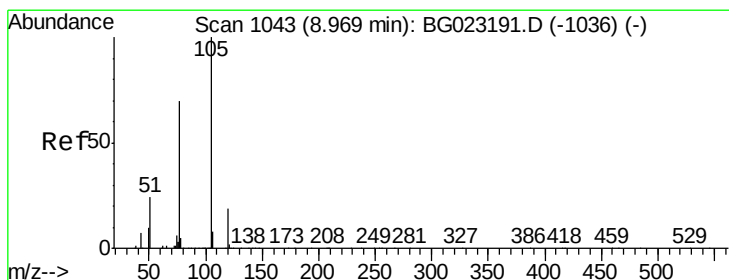
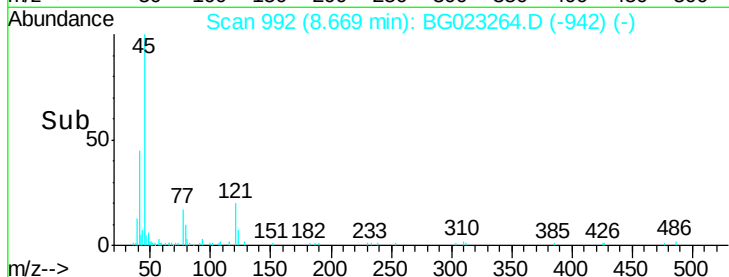
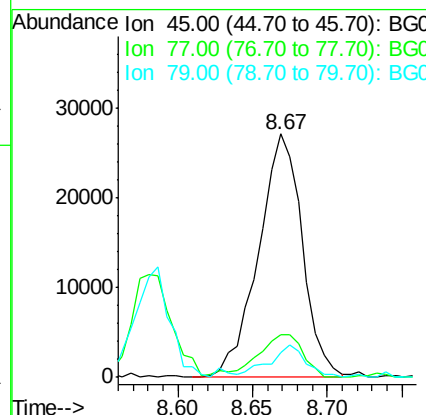
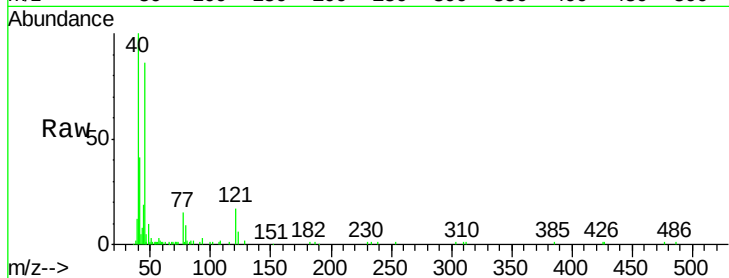
#12
2,2'-oxybis(1-chloropropane)
Concen: 2.46 ng/ul
RT: 8.67 min Scan# 992
Delta R.T. -0.01 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

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Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.5	13.4	20.2
79	10.2	10.2	15.4

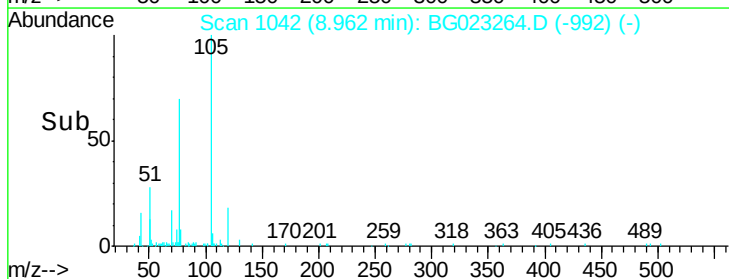
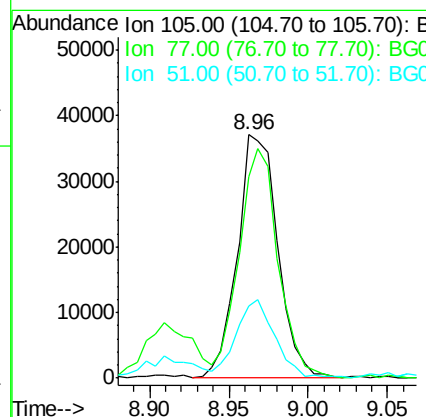
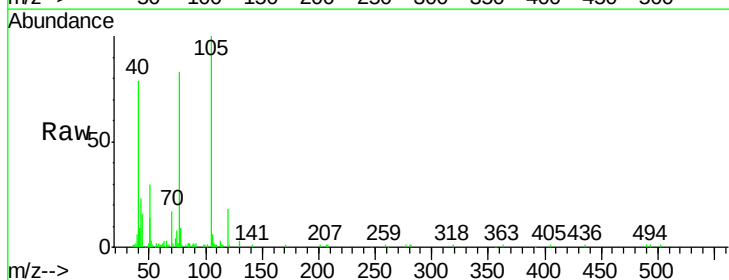
Manual Integrations

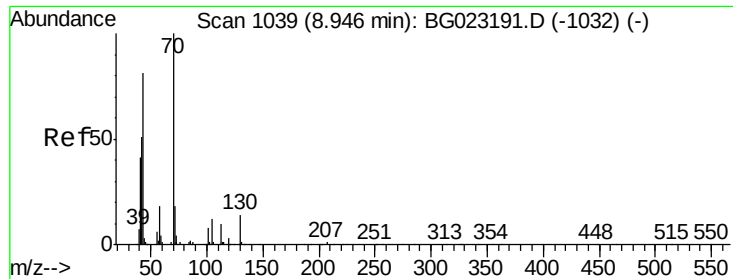
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#14
Acetophenone
Concen: 2.29 ng/ul
RT: 8.96 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
105	100		
77	82.7	56.1	84.1
51	29.8	14.6	22.0





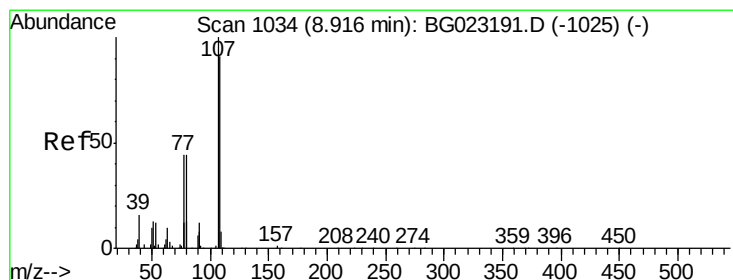
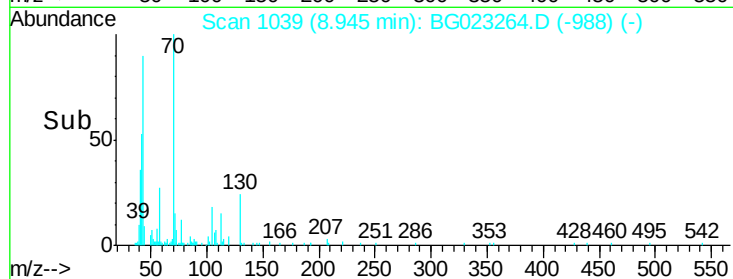
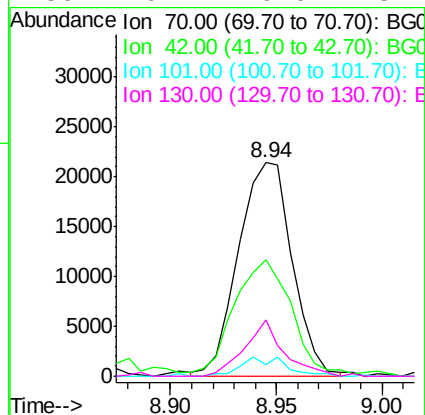
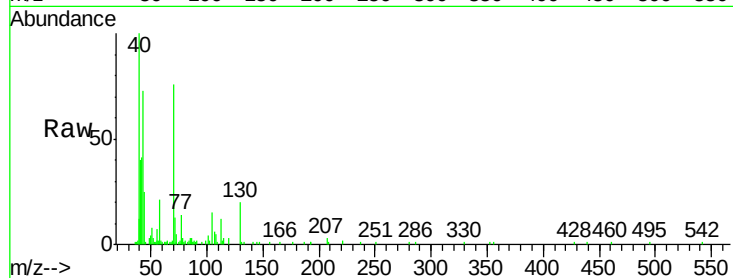
#15
N-Nitroso-di-n-propylamine
Concen: 2.01 ng/ul
RT: 8.94 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Instrument :
BNA_G
ClientSampleId :
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
70	100		
42	54.3	31.4	47.2#
101	5.5	8.6	13.0#
130	26.1	19.0	28.4

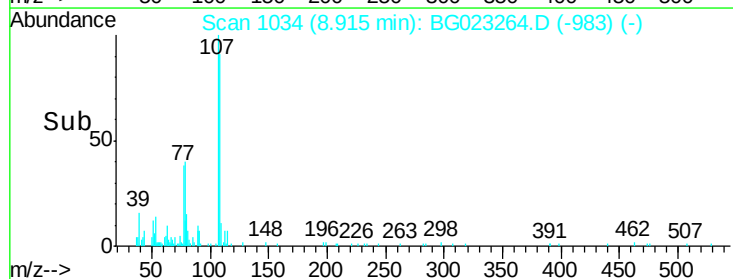
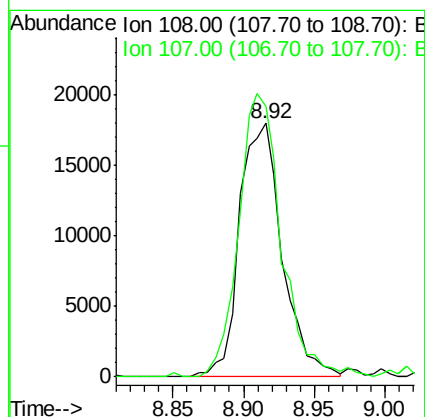
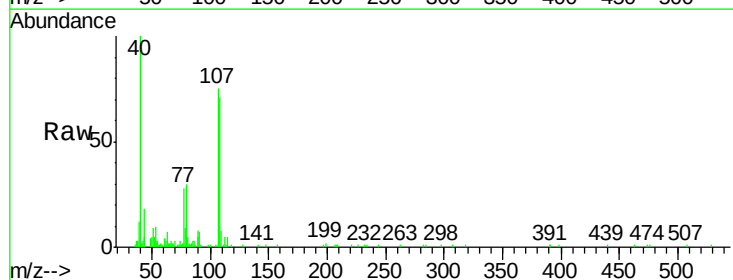
Manual Integrations

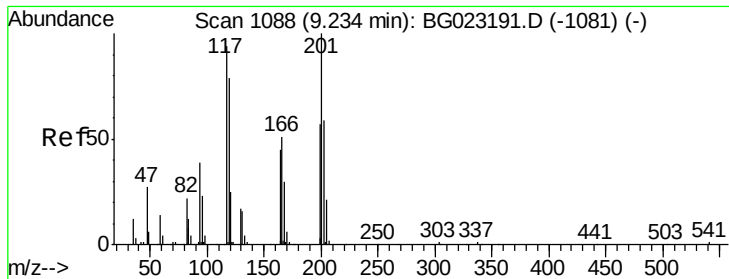
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#16
4-Methylphenol
Concen: 2.10 ng/ul
RT: 8.92 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
108	100		
107	106.5	88.3	132.5





#17

Hexachloroethane

Concen: 2.54 ng/ul m

RT: 9.24 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

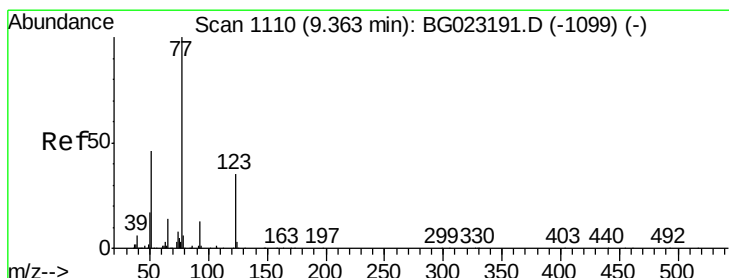
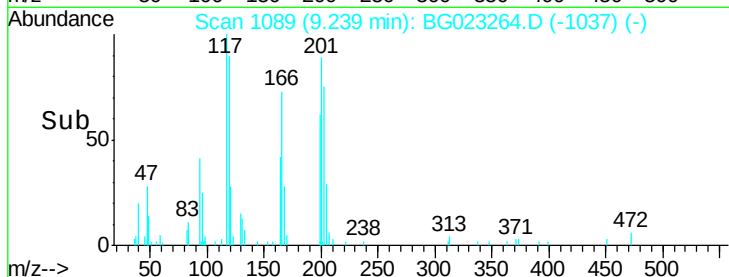
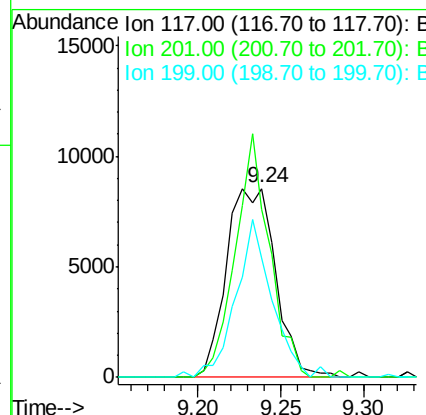
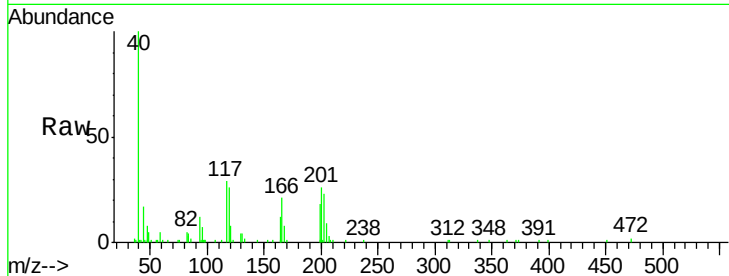
MDL-07-S-ML

Tgt Ion:	117	Resp:	17533
Ion Ratio	Lower	Upper	
117	100		
201	88.9	76.8	115.2
199	61.5	43.5	65.3

Manual Integrations

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#20

Nitrobenzene

Concen: 3.15 ng/ul

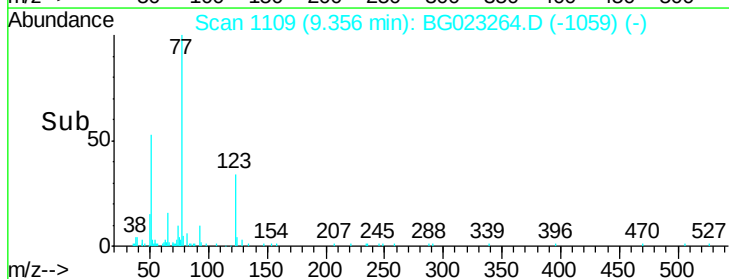
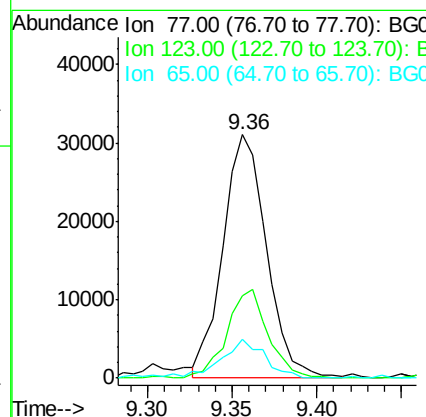
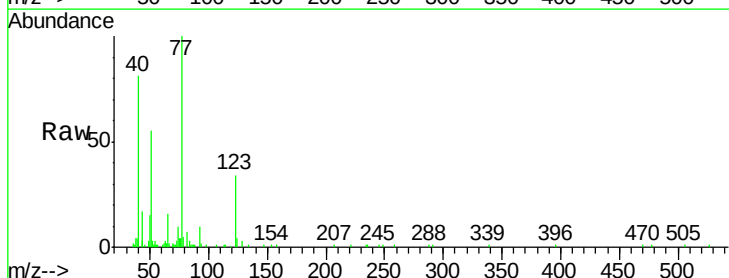
RT: 9.36 min Scan# 1109

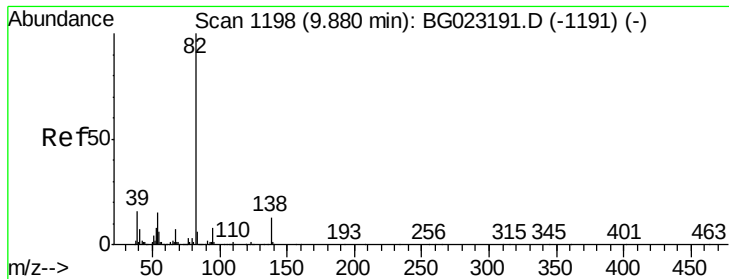
Delta R.T. -0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	77	Resp:	55715
Ion Ratio	Lower	Upper	
77	100		
123	33.6	39.5	59.3#
65	16.0	9.0	13.4#





#21

Isophorone

Concen: 3.03 ng/ul

RT: 9.88 min Scan# 1198

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

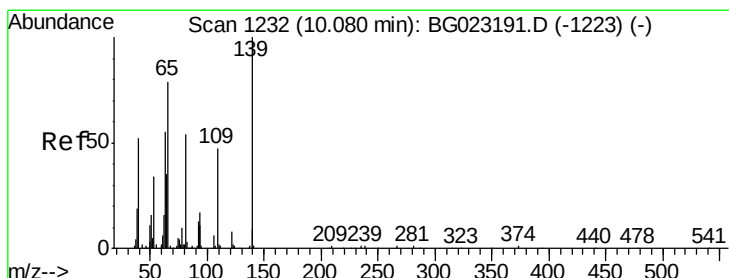
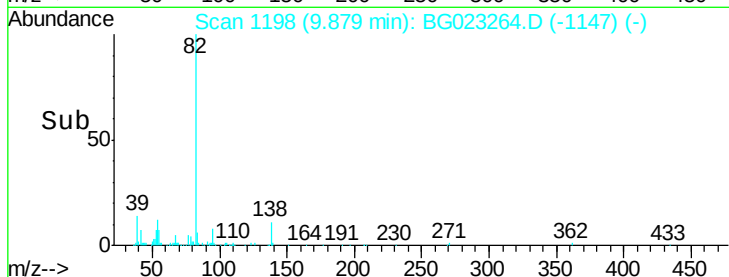
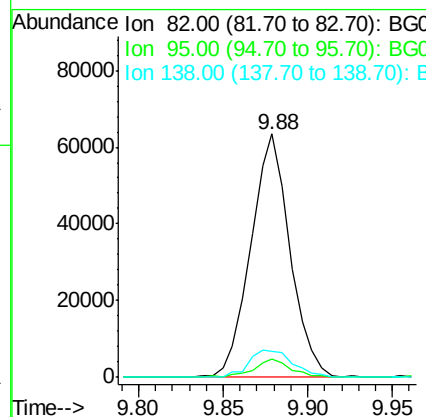
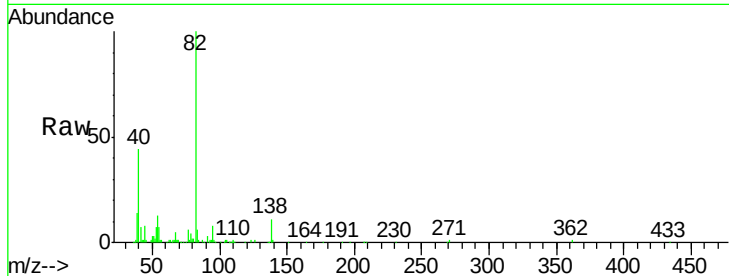
MDL-07-S-ML

Tgt Ion:	82	Resp:	102484
Ion Ratio		Lower	Upper
82	100		
95	7.5	5.1	7.7
138	10.9	15.0	22.6#

Manual Integrations

SOHIL

7/26/2016 11:41:17 AM



#23

2-Nitrophenol

Concen: 3.39 ng/ul m

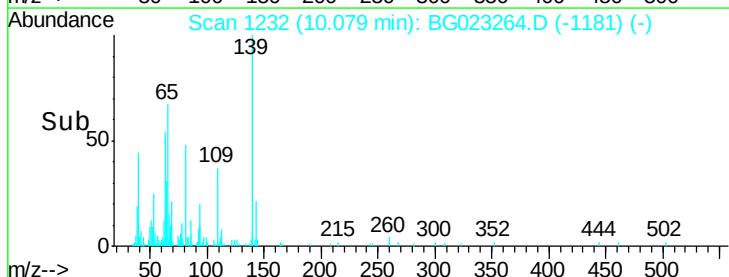
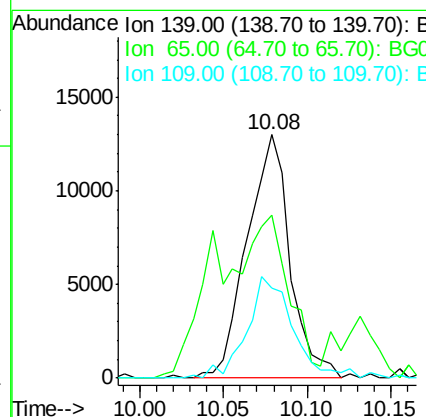
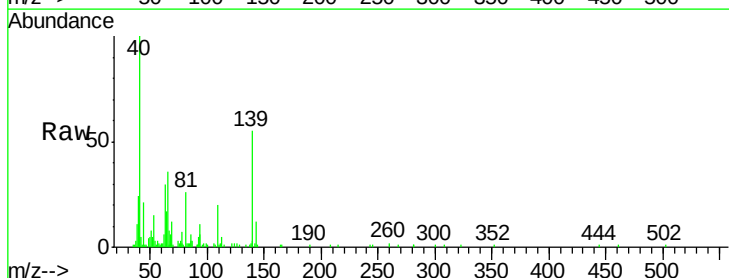
RT: 10.08 min Scan# 1232

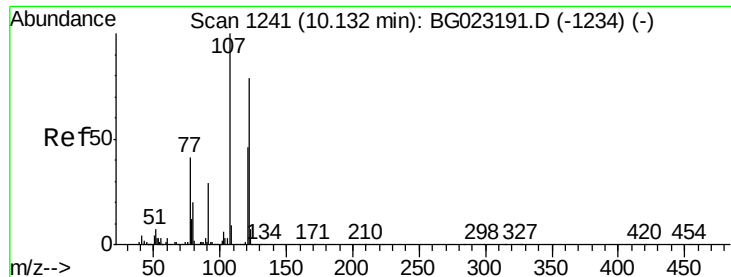
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	139	Resp:	23165
Ion Ratio		Lower	Upper
139	100		
65	66.9	31.8	47.8#
109	37.1	17.1	25.7#





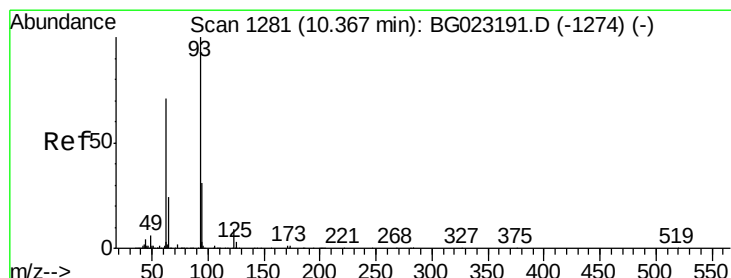
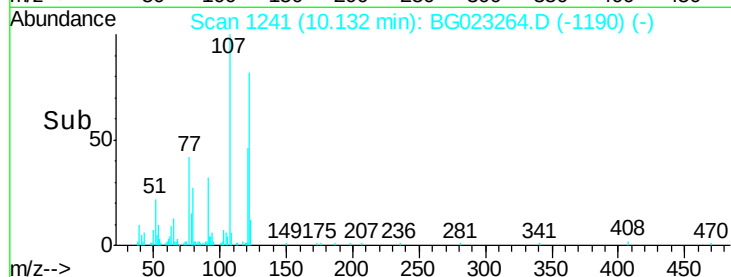
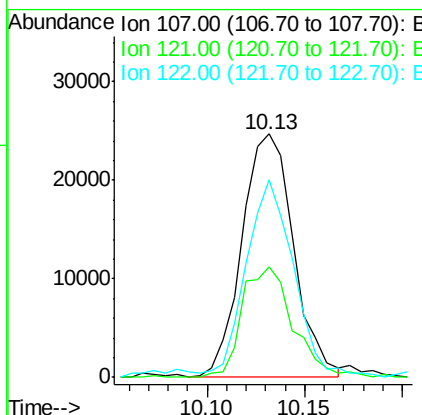
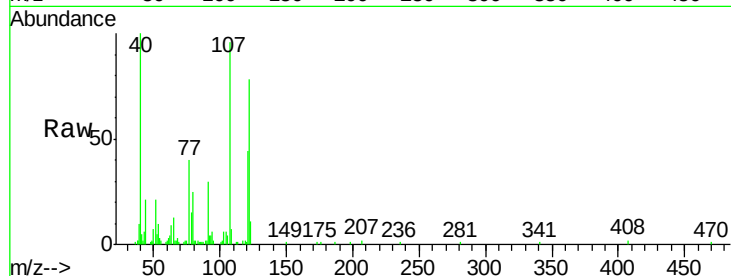
#24
2,4-Dimethylphenol
Concen: 2.89 ng/ul
RT: 10.13 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Instrument :
BNA_G
ClientSampleId :
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
107	100		
121	45.4	43.7	65.5
122	81.0	70.3	105.5

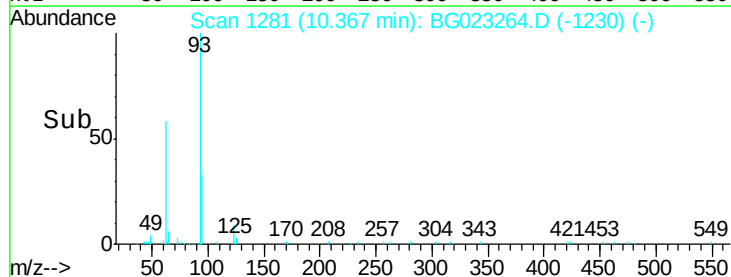
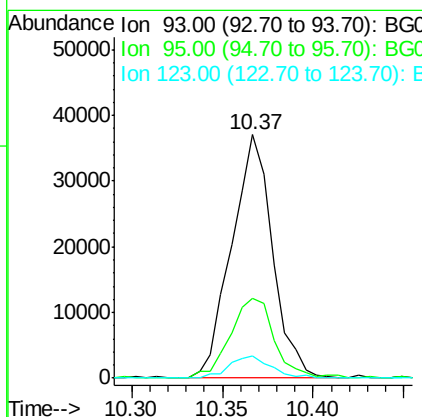
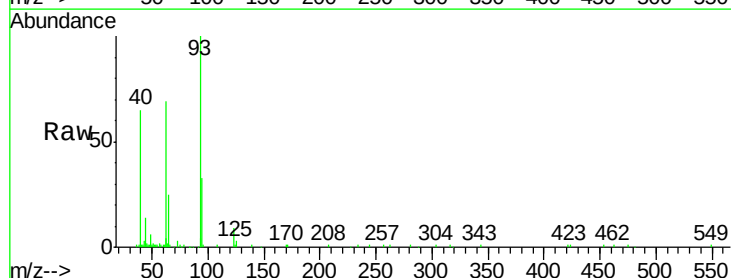
Manual Integrations

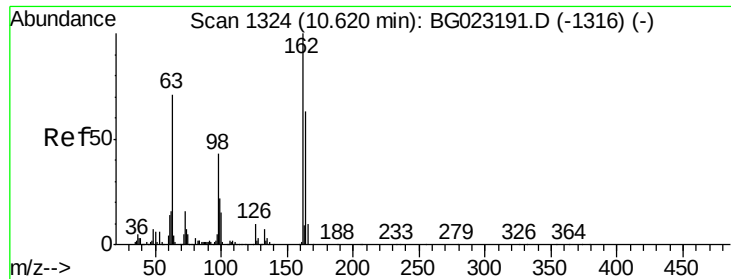
SOHIL
7/26/2016 11:41:17 AM



#25
Bis(2-Chloroethoxy)methane
Concen: 3.10 ng/ul
RT: 10.37 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	9.3	10.1	15.1#





#27

2,4-Dichlorophenol

Concen: 2.91 ng/ul m

RT: 10.61 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

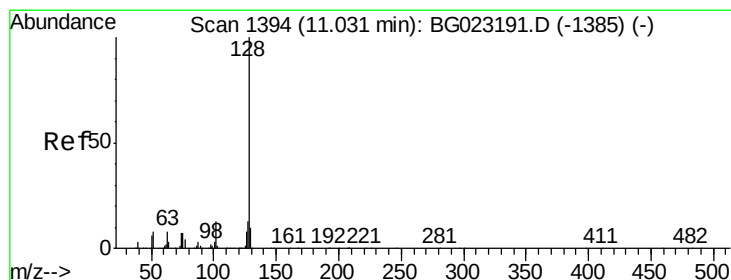
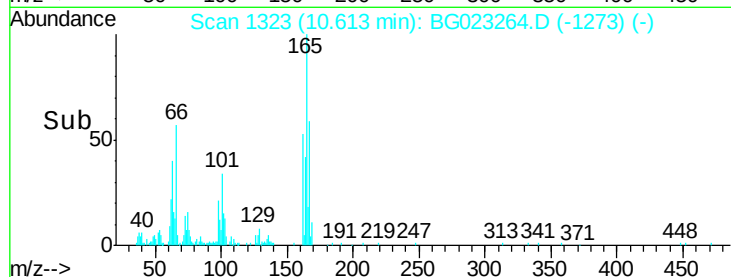
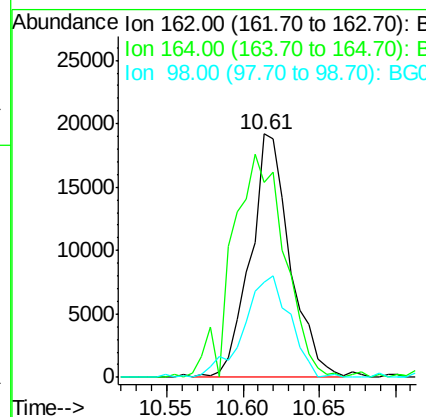
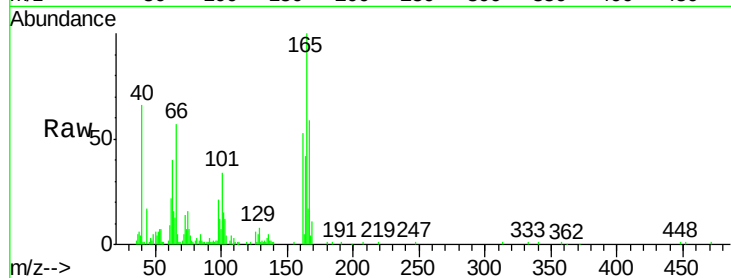
MDL-07-S-ML

Tgt Ion:	162	Resp:	34723
Ion Ratio	Lower	Upper	
162	100		
164	80.0	51.6	77.4#
98	39.1	28.3	42.5

Manual Integrations

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#28

Naphthalene

Concen: 3.32 ng/ul

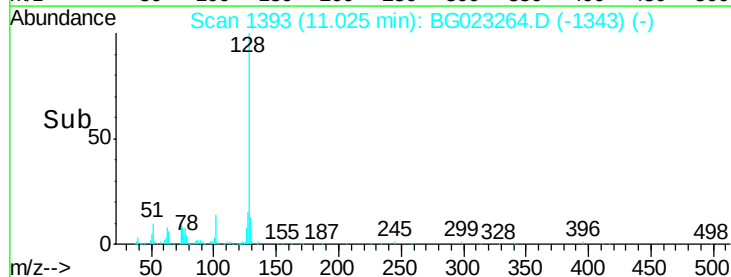
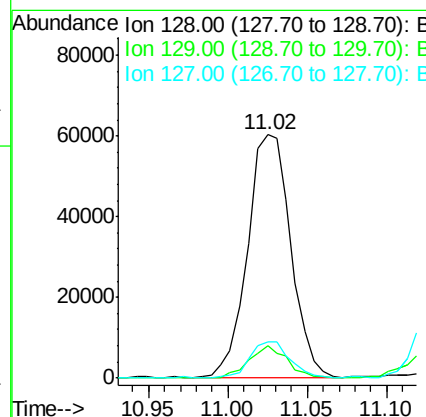
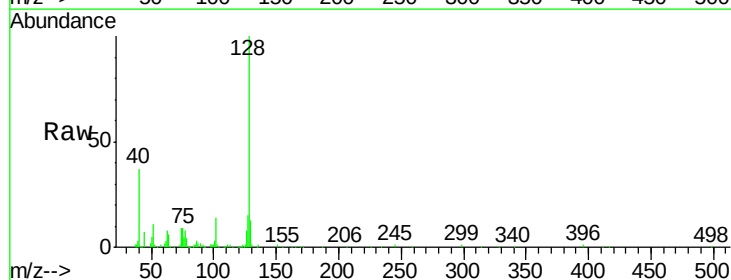
RT: 11.02 min Scan# 1393

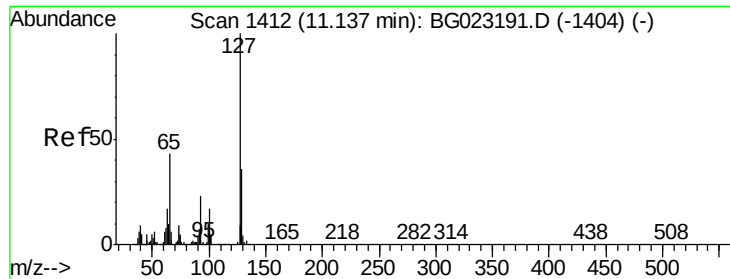
Delta R.T. -0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	128	Resp:	114517
Ion Ratio	Lower	Upper	
128	100		
129	13.4	9.4	14.2
127	14.9	11.2	16.8





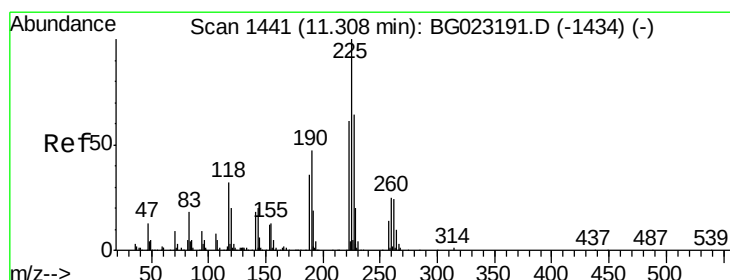
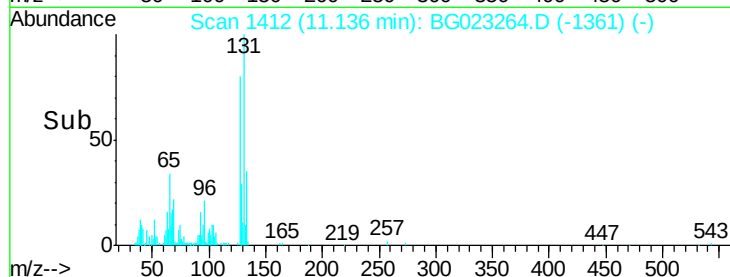
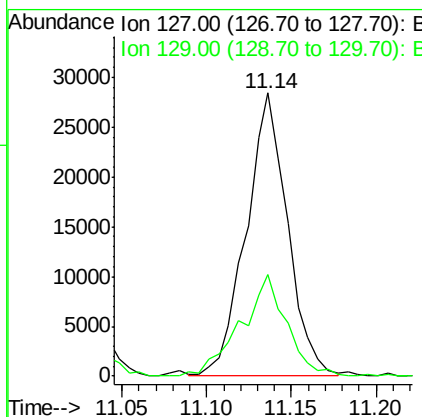
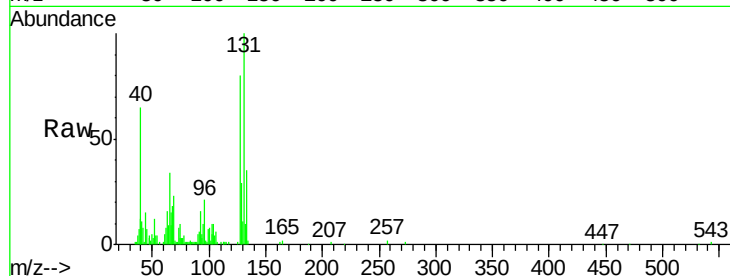
#30
4-Chloroaniline
Concen: 3.76 ng/ul
RT: 11.14 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Instrument :
BNA_G
ClientSampleId :
MDL-07-S-ML

Tgt Ion:127 Resp: 48435
Ion Ratio Lower Upper
127 100
129 36.0 26.9 40.3

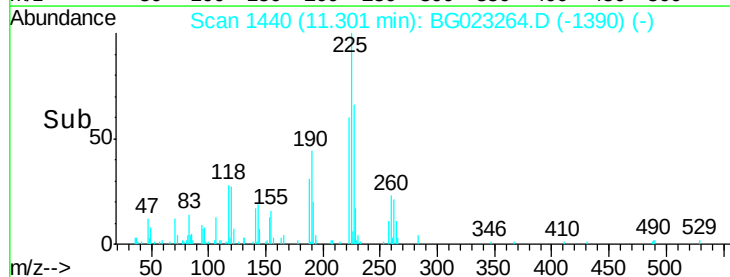
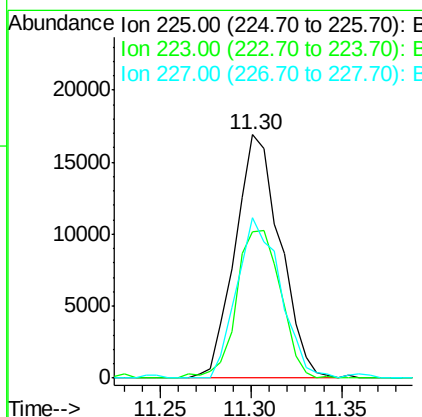
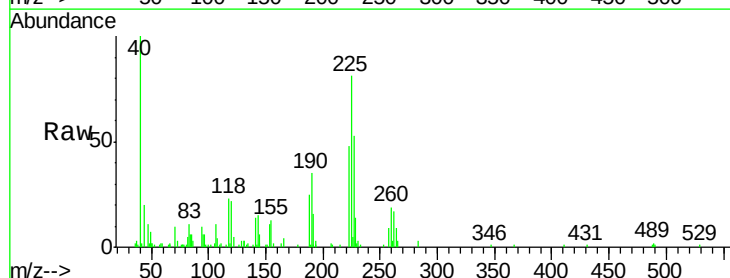
Manual Integrations

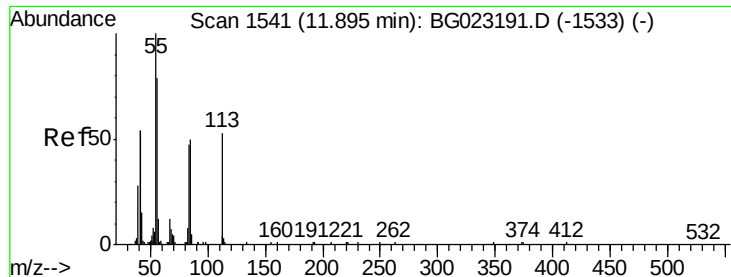
APPROVED
SOHIL
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#31
Hexachlorobutadiene
Concen: 3.05 ng/ul
RT: 11.30 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Tgt Ion:225 Resp: 29249
Ion Ratio Lower Upper
225 100
223 60.0 54.7 82.1
227 65.9 52.2 78.4





#32

Caprolactam

Concen: 2.73 ng/ul m

RT: 11.91 min Scan# 1544

Delta R.T. 0.02 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

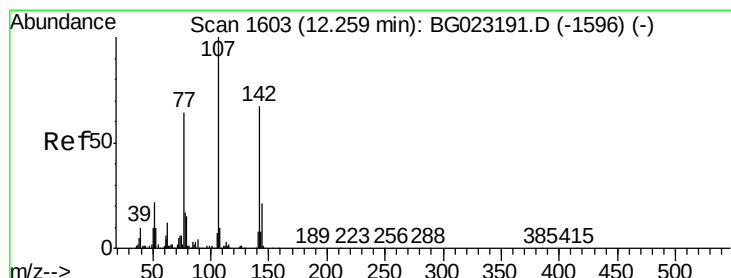
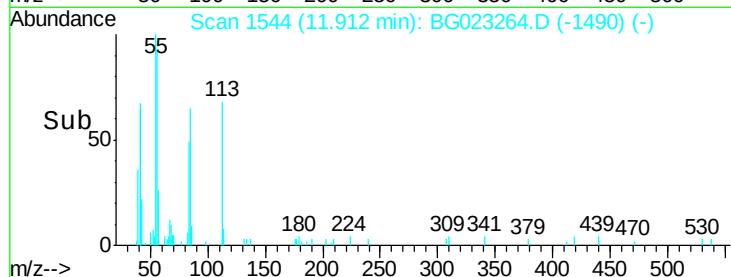
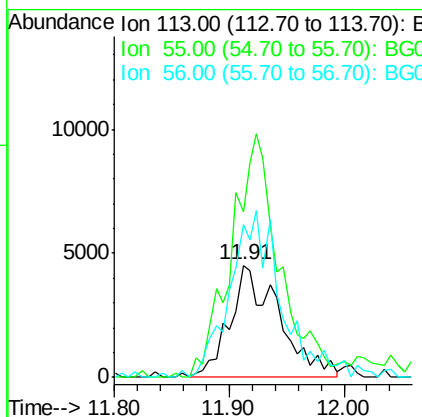
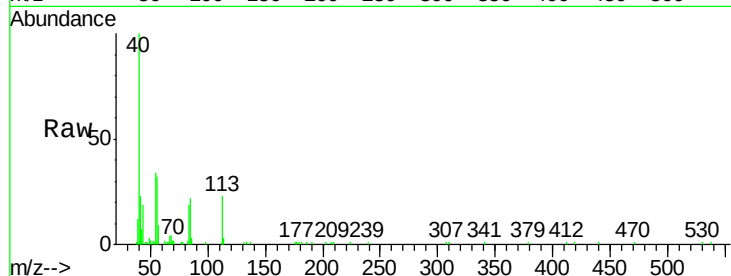
MDL-07-S-ML

Tgt Ion:	113	Resp:	13511
Ion Ratio	Lower	Upper	
113	100		
55	148.0	99.6	149.4
56	136.6	66.4	99.6#

Manual Integrations

SOHIL

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#33

4-Chloro-3-methylphenol

Concen: 2.73 ng/ul m

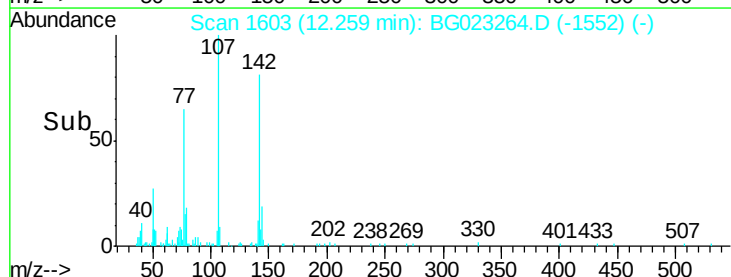
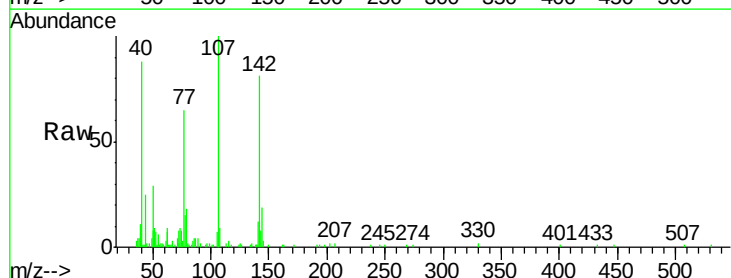
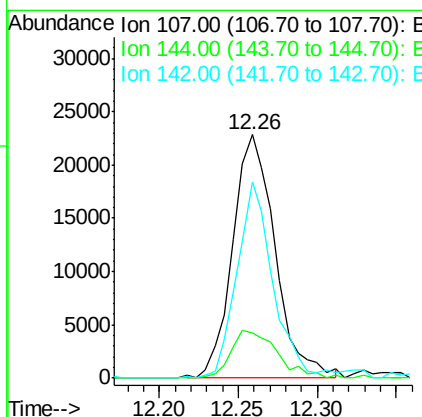
RT: 12.26 min Scan# 1603

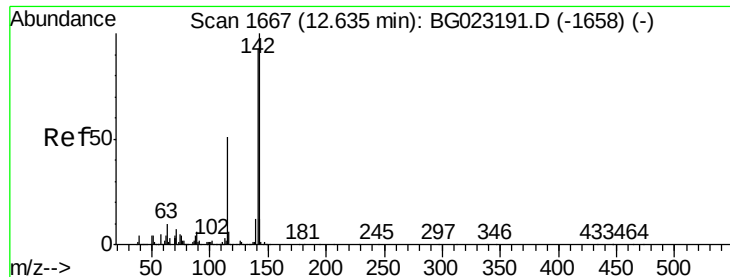
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	107	Resp:	42708
Ion Ratio	Lower	Upper	
107	100		
144	18.6	22.7	34.1#
142	80.6	71.6	107.4





#34

2-Methylnaphthalene

Concen: 3.24 ng/ul

RT: 12.63 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

MDL-07-S-ML

Tgt Ion:142 Resp: 92304

Ion Ratio Lower Upper

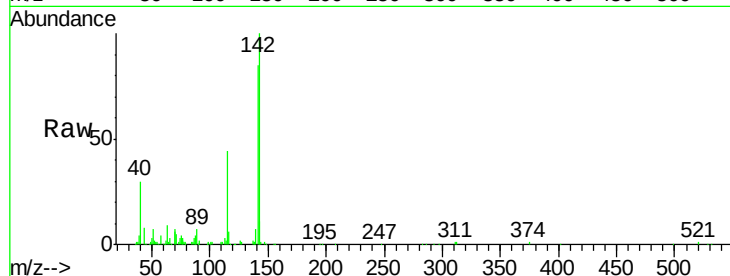
142 100

141 85.1 75.2 112.8

Manual Integrations

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.63

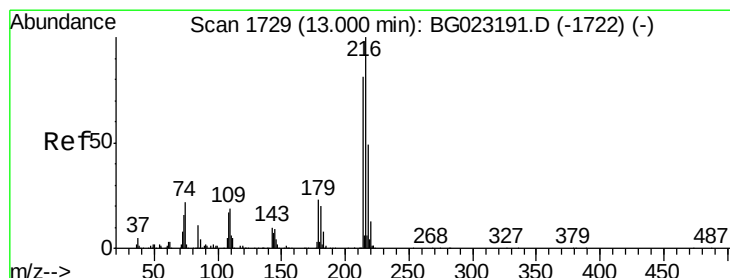
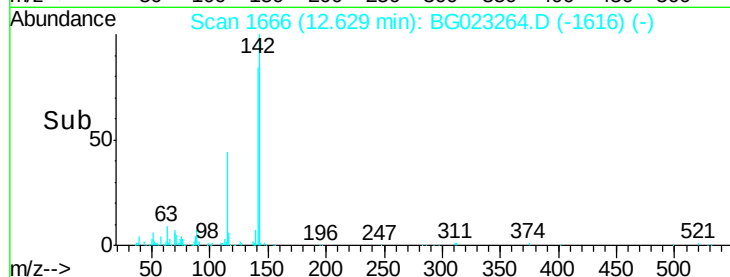
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#36

1,2,4,5-Tetrachlorobenzene

Concen: 3.30 ng/ul

RT: 13.00 min Scan# 1729

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:216 Resp: 53279

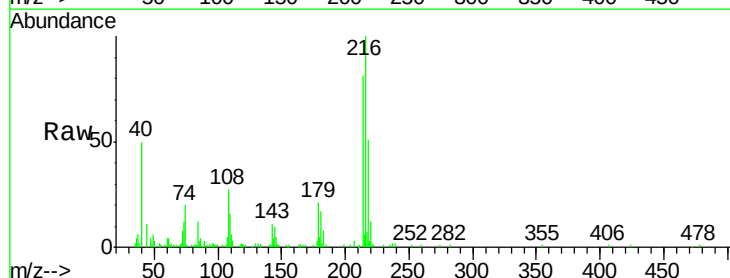
Ion Ratio Lower Upper

216 100

214 80.6 61.7 92.5

179 21.4 17.0 25.4

108 26.6 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

13.00

50000

40000

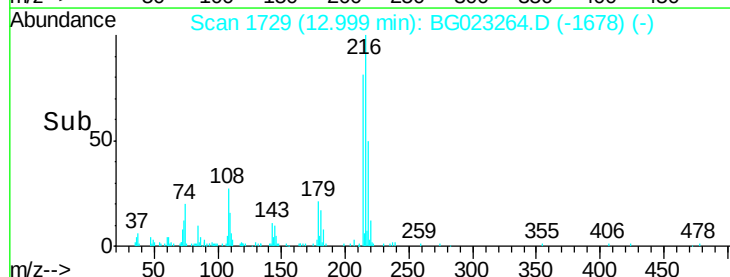
30000

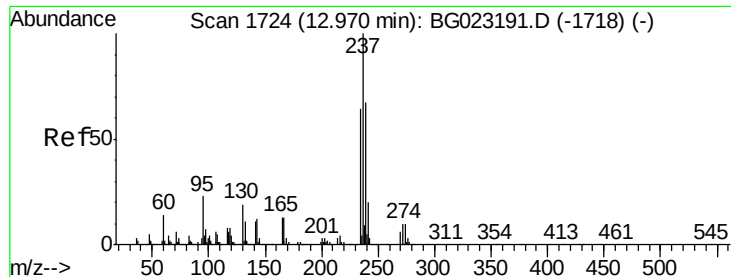
20000

10000

0

Time--> 12.95 13.00 13.05





#37

Hexachlorocyclopentadiene

Concen: 2.19 ng/ul

RT: 12.98 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

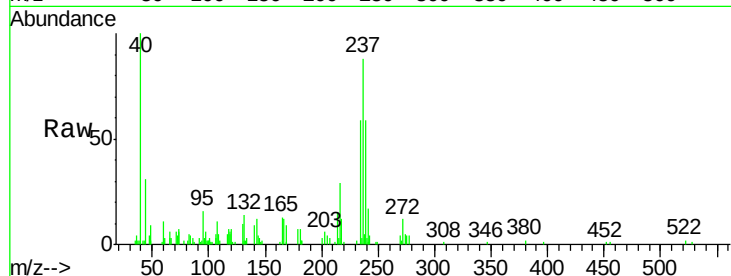
MDL-07-S-ML

Tgt Ion:	237	Resp:	22986
Ion Ratio	Lower	Upper	
237	100		
235	67.3	49.6	74.4
272	14.0	9.3	13.9#

Manual Integrations

SOHIL

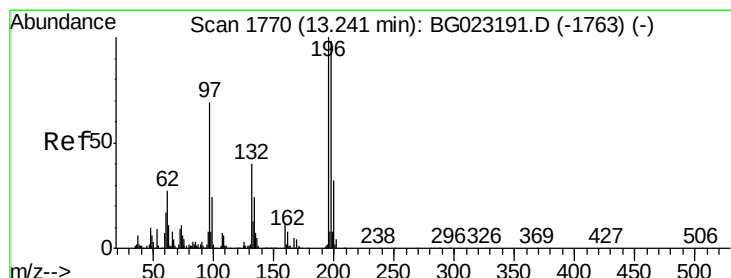
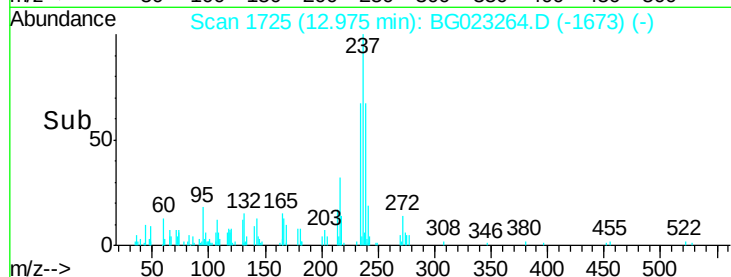
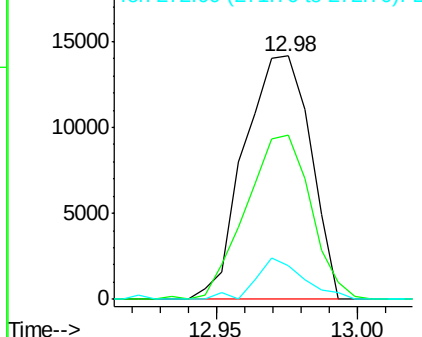
7/26/2016 11:41:17 AM



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#38

2,4,6-Trichlorophenol

Concen: 2.73 ng/ul

RT: 13.24 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BG023264.D

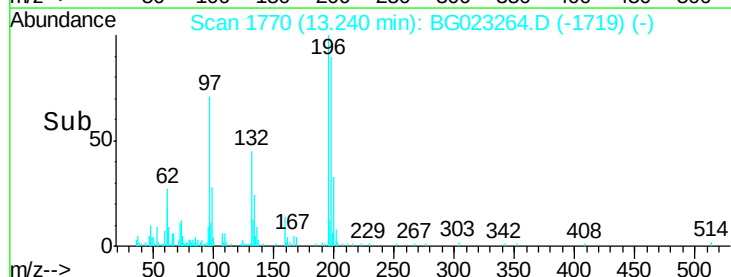
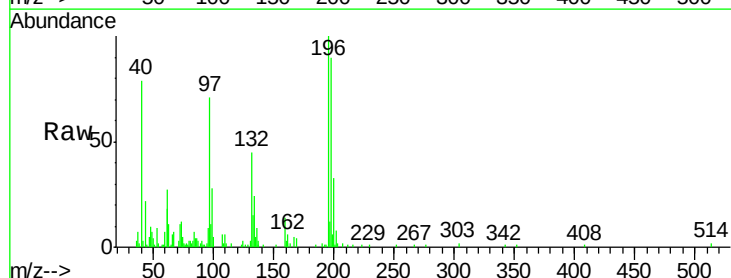
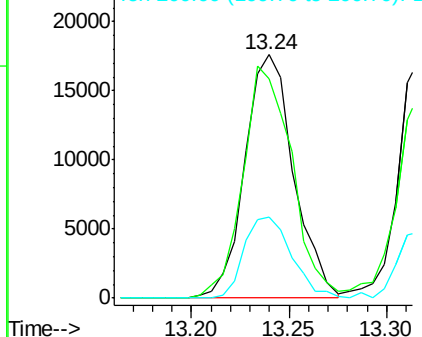
Acq: 25 Jul 2016 23:20

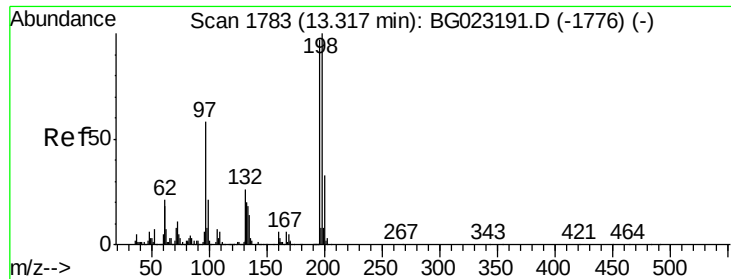
Tgt Ion:	196	Resp:	30531
Ion Ratio	Lower	Upper	
196	100		
198	90.2	77.4	116.0
200	33.1	26.6	39.8

Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





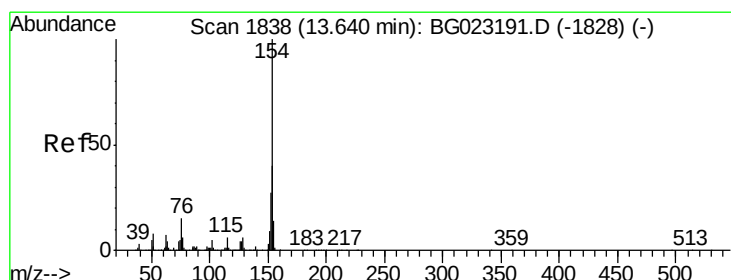
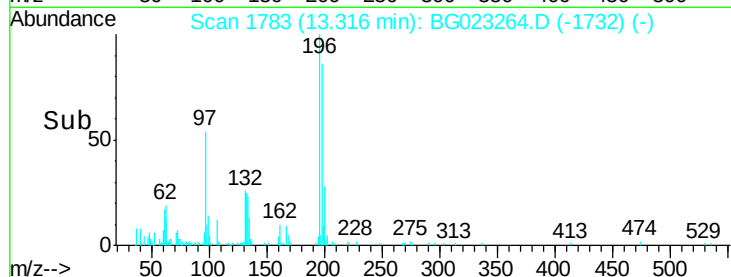
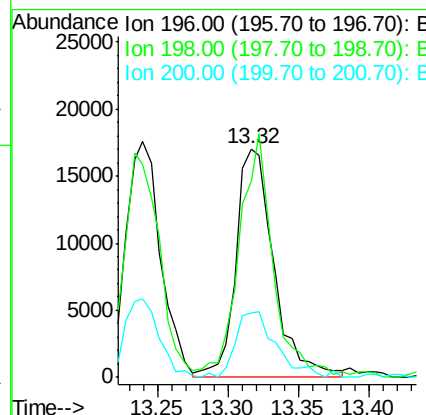
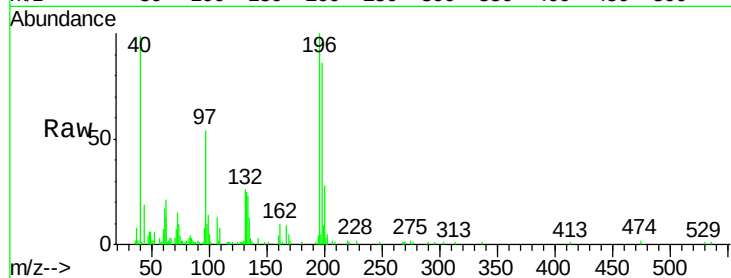
#39
 2,4,5-Trichlorophenol
 Concen: 2.81 ng/ul
 RT: 13.32 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
196	100		
198	82.1	79.8	119.8
200	26.9	24.0	36.0

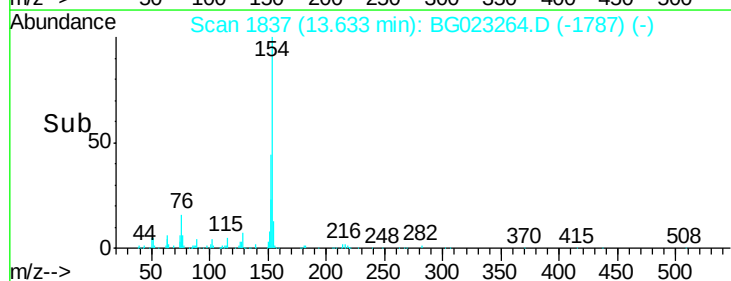
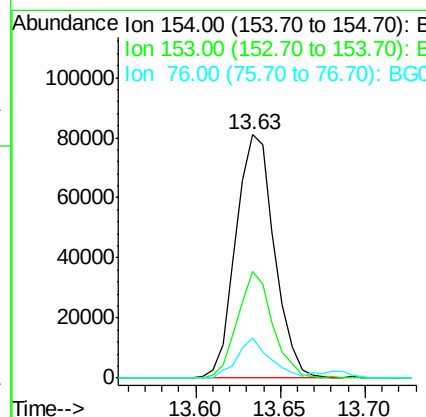
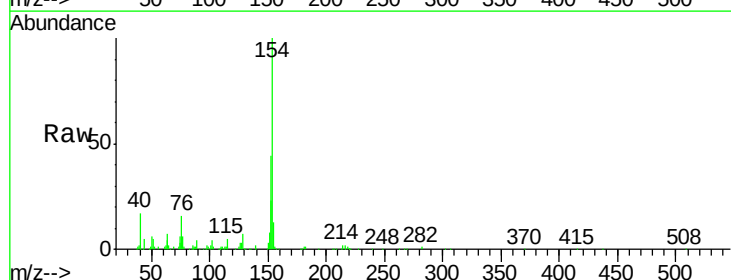
Manual Integrations

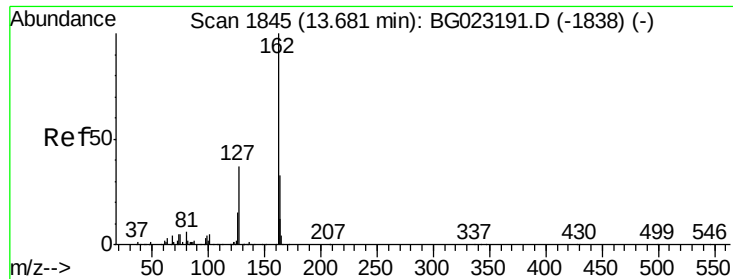
SOHIL
 7/26/2016 11:41:17 AM



#40
 1,1'-Biphenyl
 Concen: 3.55 ng/ul
 RT: 13.63 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.6	34.6	52.0
76	16.3	11.9	17.9





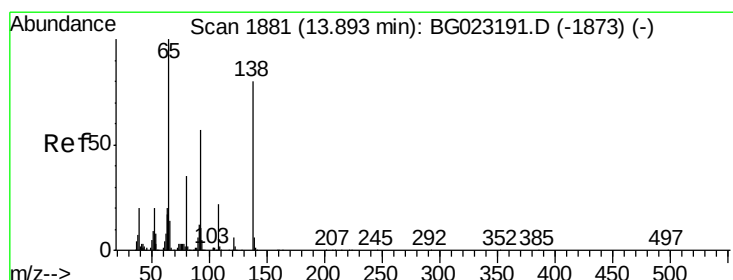
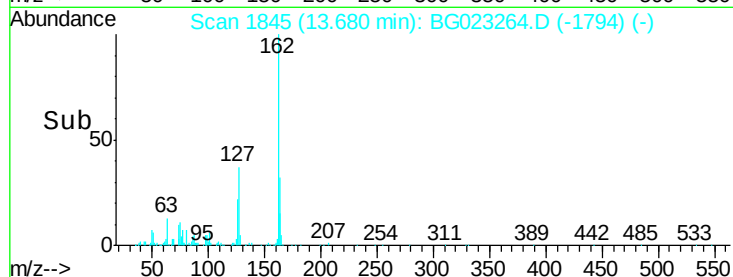
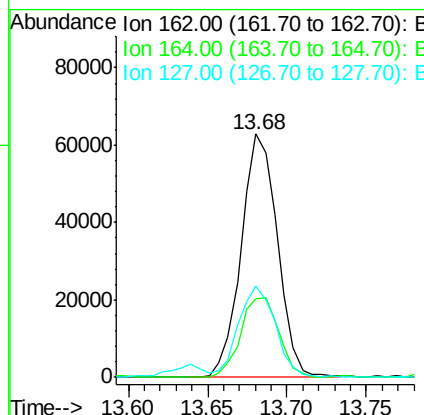
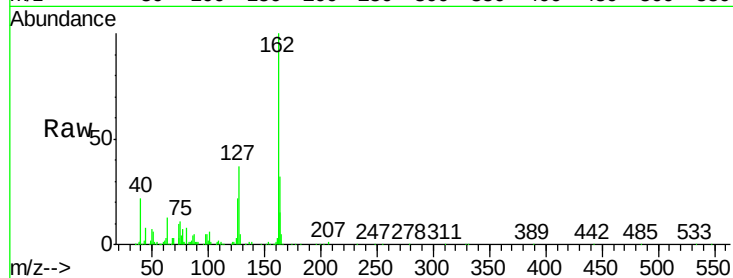
#41
 2-Chloronaphthalene
 Concen: 3.42 ng/ul
 RT: 13.68 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
162	100		
164	32.2	25.4	38.2
127	37.3	30.2	45.4

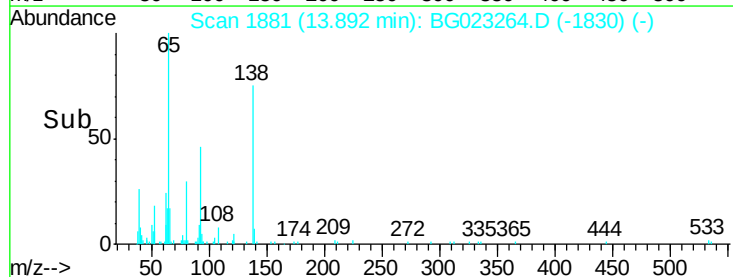
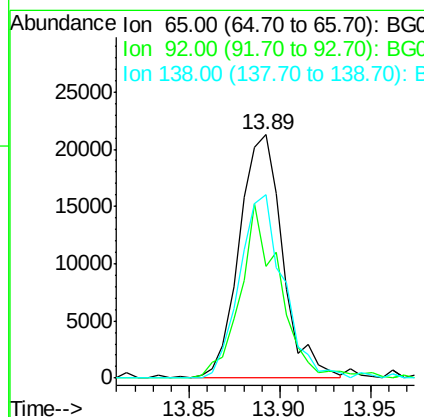
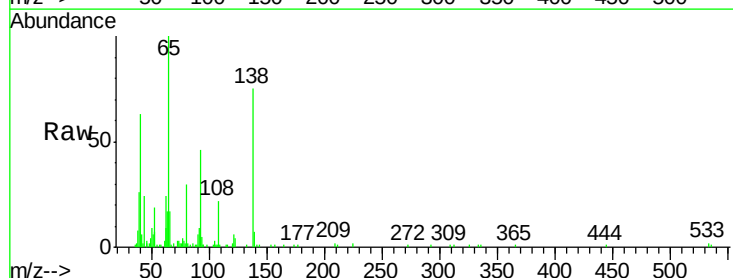
Manual Integrations

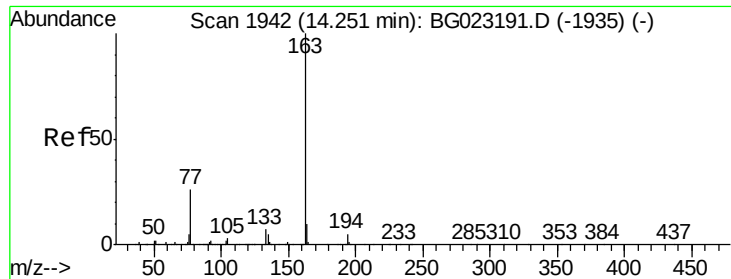
SOHIL
 7/26/2016 11:41:17 AM



#42
 2-Nitroaniline
 Concen: 2.72 ng/ul
 RT: 13.89 min Scan# 1881
 Delta R.T. -0.00 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
65	100		
92	46.0	67.1	100.7#
138	75.4	109.6	164.4#





#44

Dimethylphthalate

Concen: 3.30 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

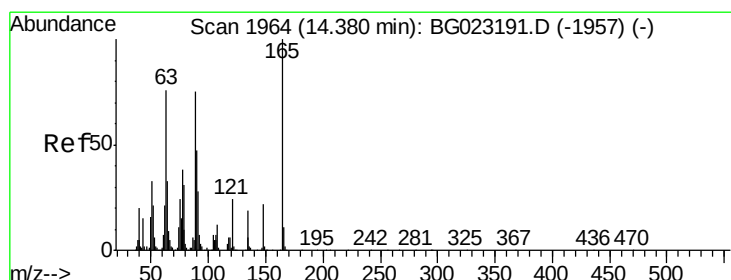
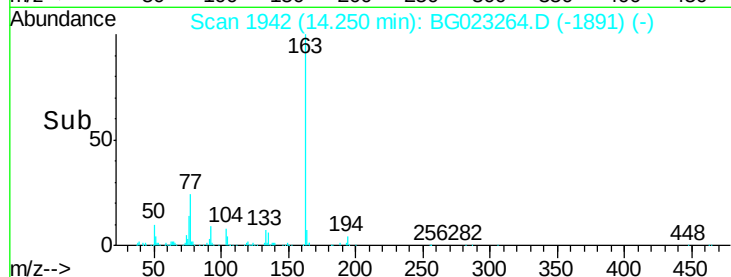
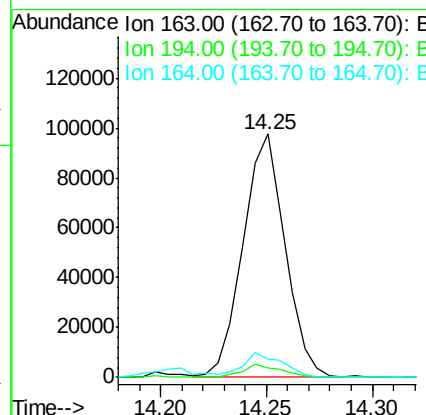
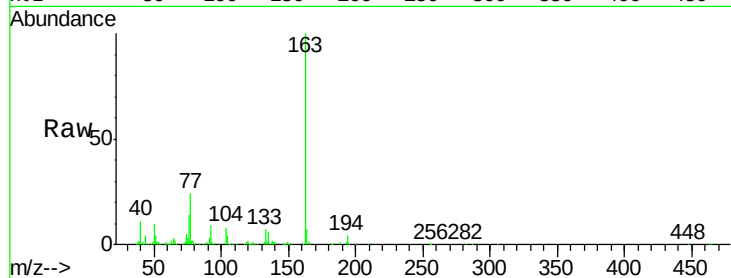
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.2
164	7.5	8.8	13.2#

Manual Integrations

SOHIL

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#45

2,6-Dinitrotoluene

Concen: 2.91 ng/ul

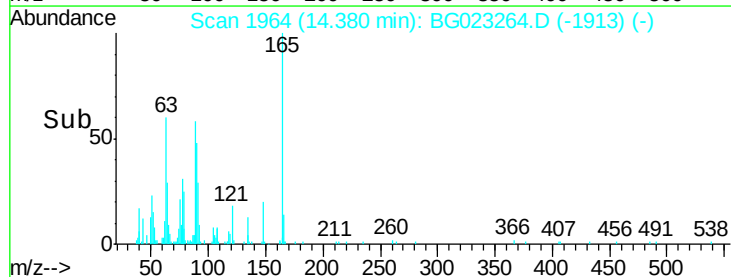
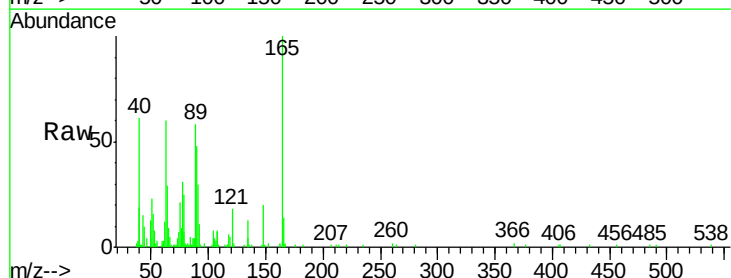
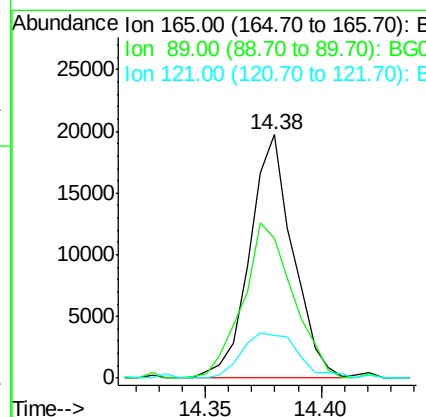
RT: 14.38 min Scan# 1964

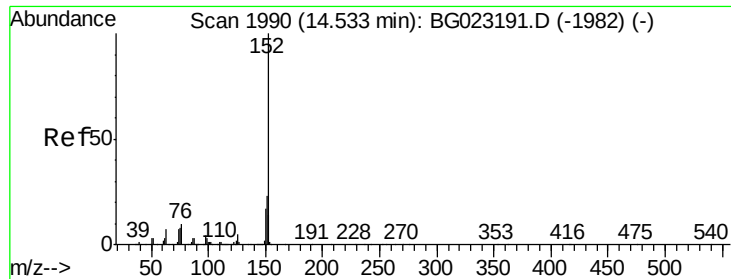
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
165	100		
89	57.7	41.5	62.3
121	17.7	17.0	25.4





#47

Acenaphthylene

Concen: 3.60 ng/ul

RT: 14.53 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

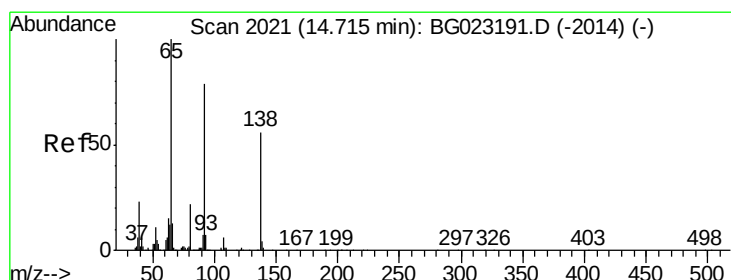
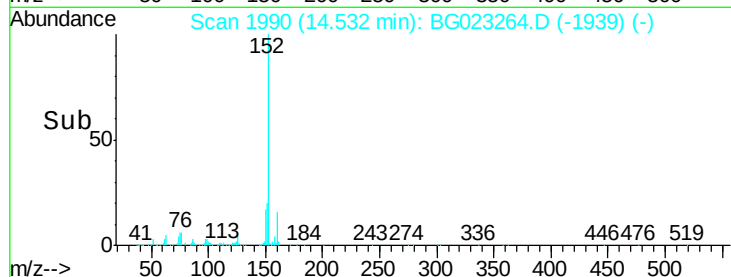
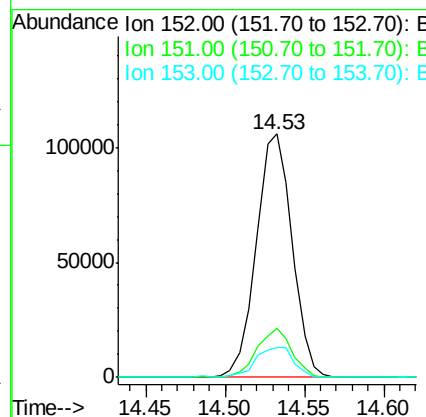
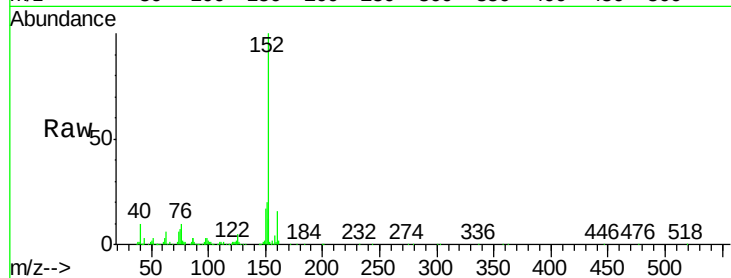
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.5	26.3
153	12.2	11.1	16.7

Manual Integrations

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#48

3-Nitroaniline

Concen: 3.19 ng/ul

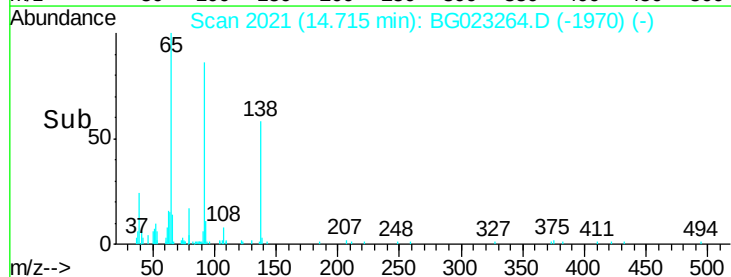
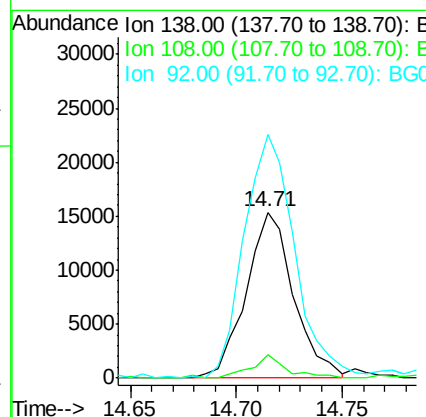
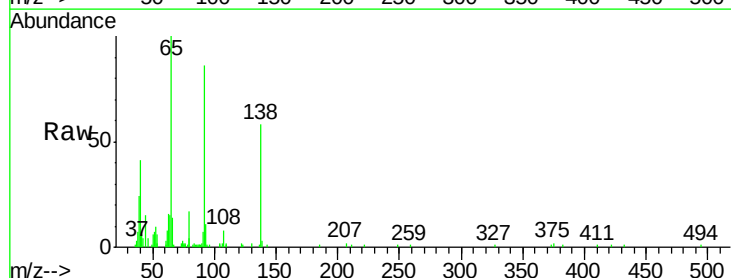
RT: 14.71 min Scan# 2021

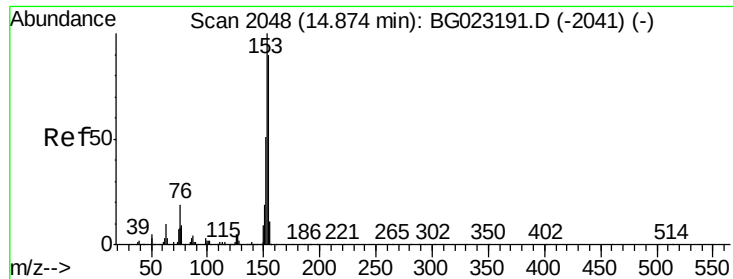
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
138	100		
108	14.2	6.2	9.2#
92	146.7	79.3	118.9#





#49

Acenaphthene

Concen: 3.40 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

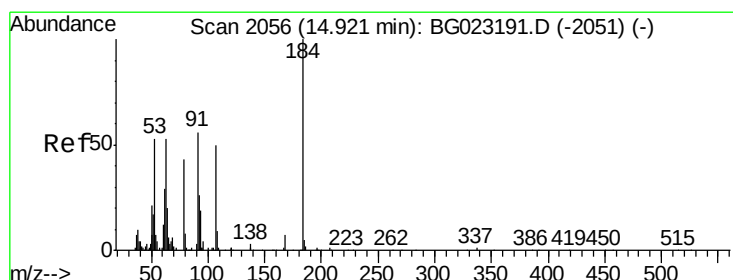
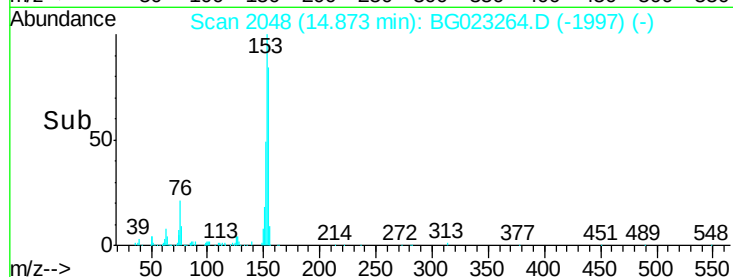
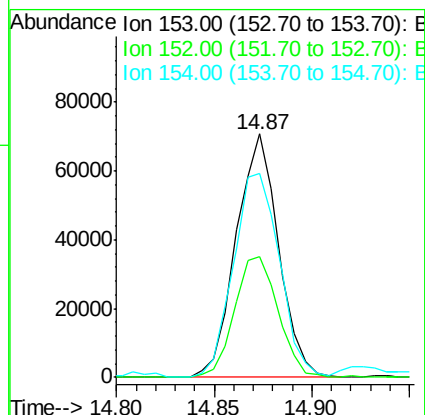
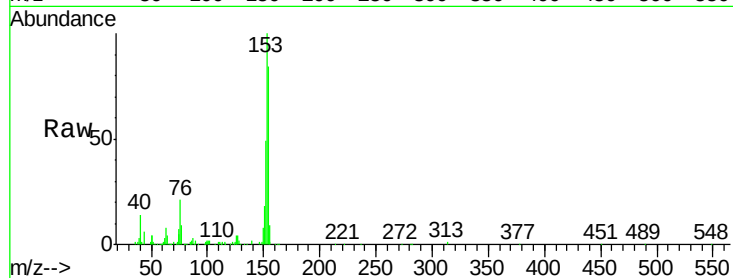
MDL-07-S-ML

Tgt Ion:	153	Resp:	106287
Ion Ratio	Lower	Upper	
153	100		
152	49.4	37.3	55.9
154	83.7	68.2	102.2

Manual Integrations

SOHIL

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#50

2,4-Dinitrophenol

Concen: 1.42 ng/ul

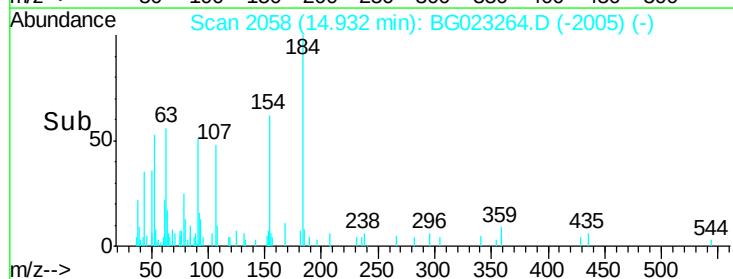
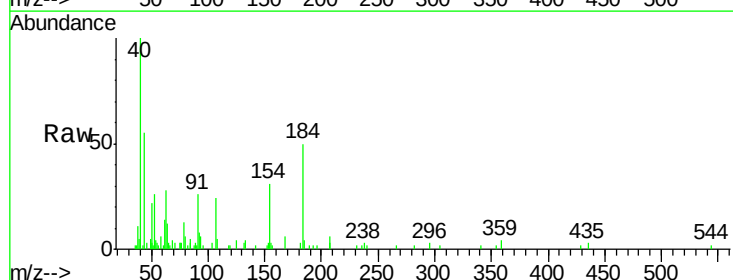
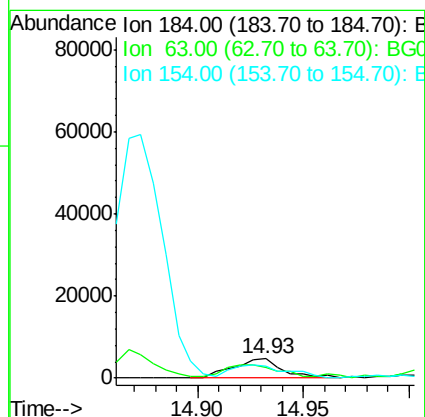
RT: 14.93 min Scan# 2058

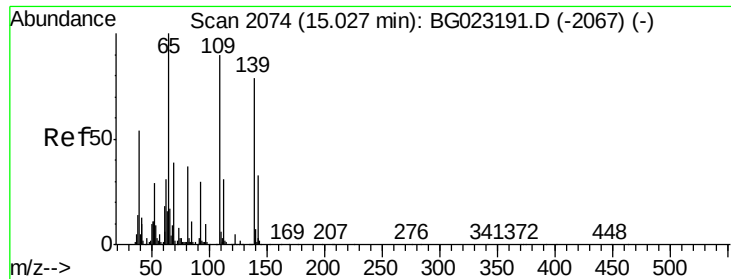
Delta R.T. 0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	184	Resp:	7879
Ion Ratio	Lower	Upper	
184	100		
63	55.8	40.5	60.7
154	62.1	48.5	72.7





#52

4-Nitrophenol

Concen: 2.32 ng/ul

RT: 15.03 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

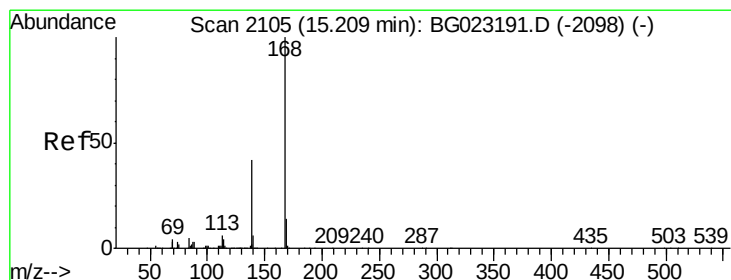
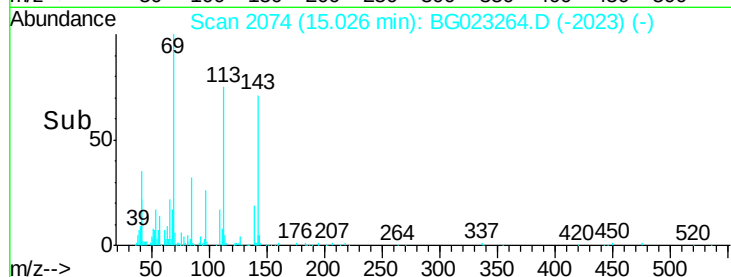
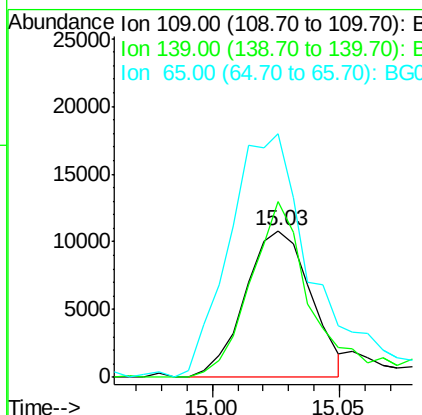
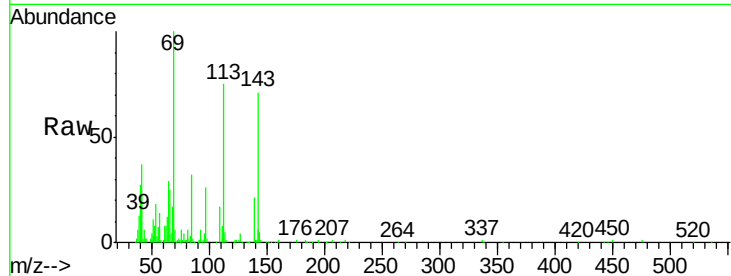
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
109	100		
139	119.5	136.1	204.1#
65	166.0	106.0	159.0#

Manual Integrations

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#53

Dibenzofuran

Concen: 3.61 ng/ul

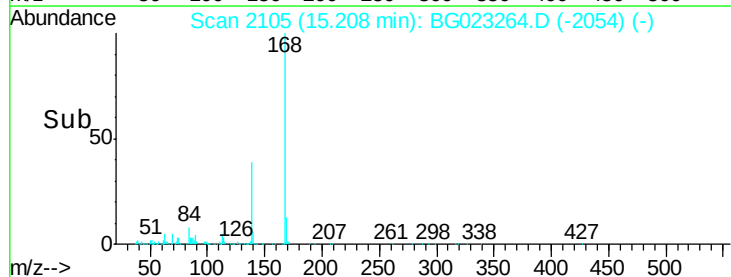
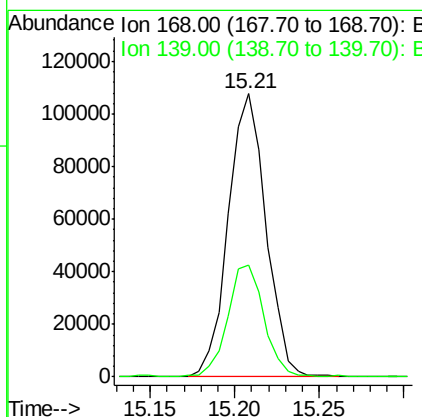
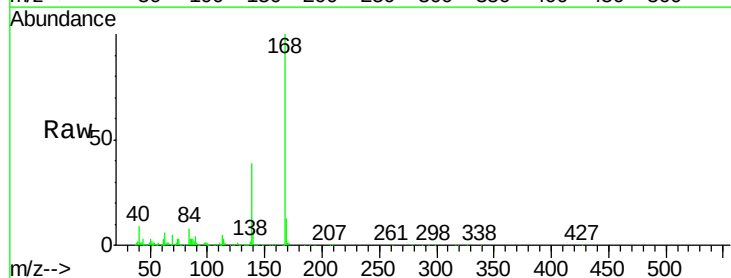
RT: 15.21 min Scan# 2105

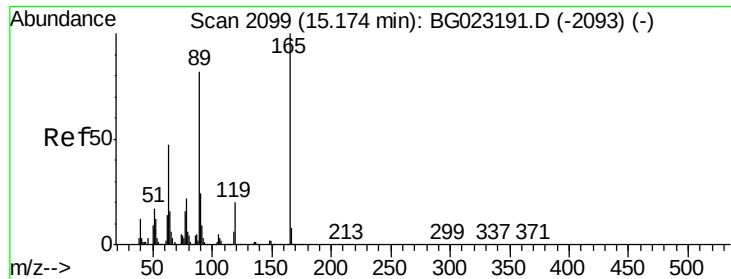
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.4	27.4	41.0





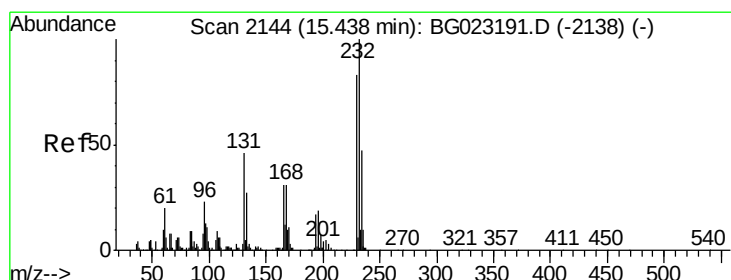
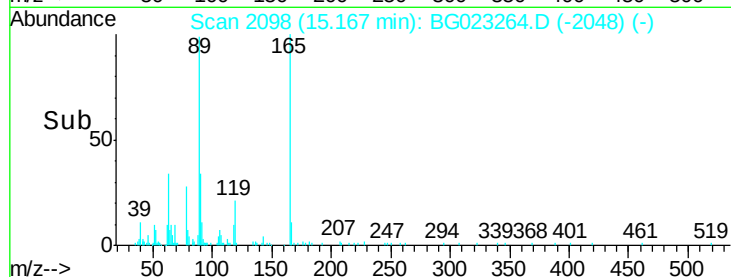
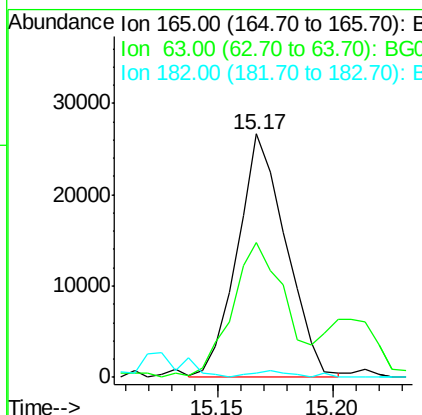
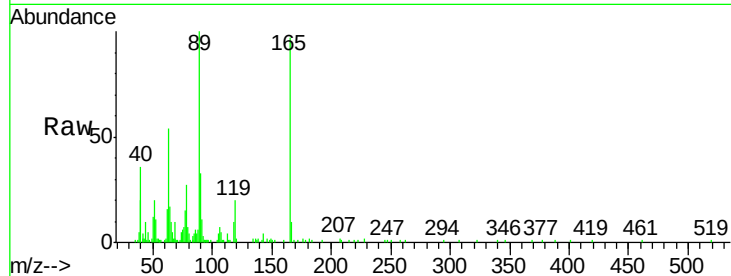
#54
 2,4-Dinitrotoluene
 Concen: 2.90 ng/ul
 RT: 15.17 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
165	100		
63	55.3	25.7	38.5#
182	1.9	2.1	3.1#

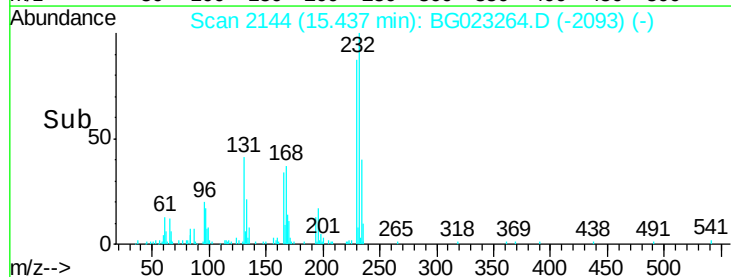
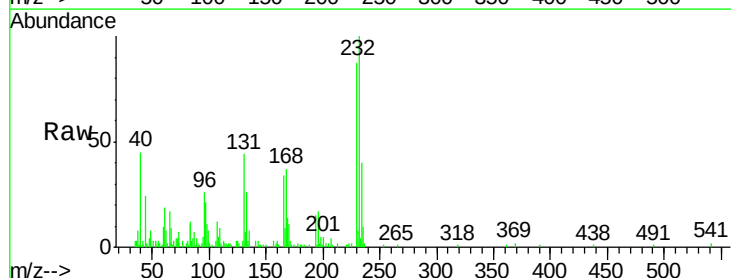
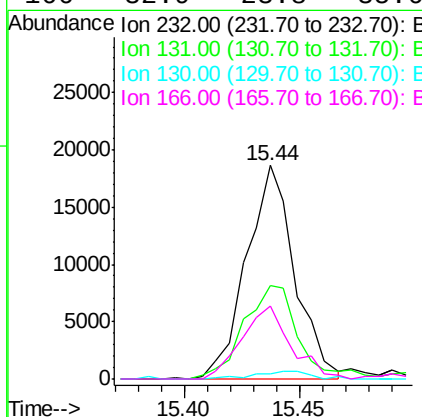
Manual Integrations

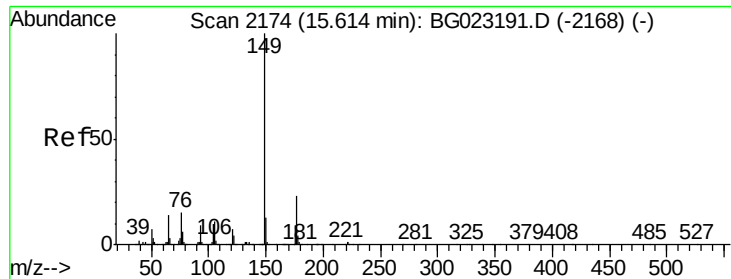
SOHIL
 7/26/2016 11:41:17 AM



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 2.36 ng/ul
 RT: 15.44 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
232	100		
131	42.4	34.8	52.2
130	2.5	2.2	3.2
166	32.9	23.8	35.6





#56

Diethylphthalate

Concen: 3.34 ng/ul

RT: 15.61 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

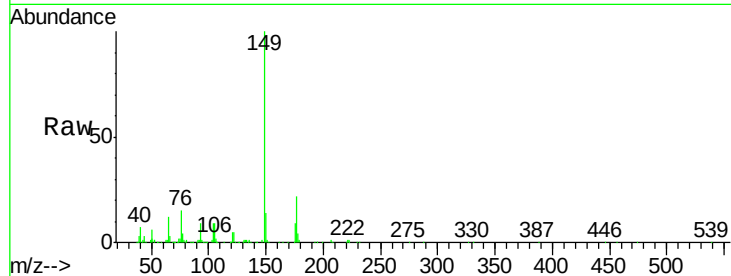
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	14.4	9.6	14.4#

Manual Integrations

SOHIL

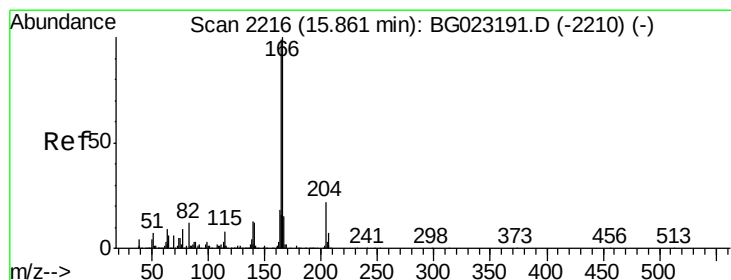
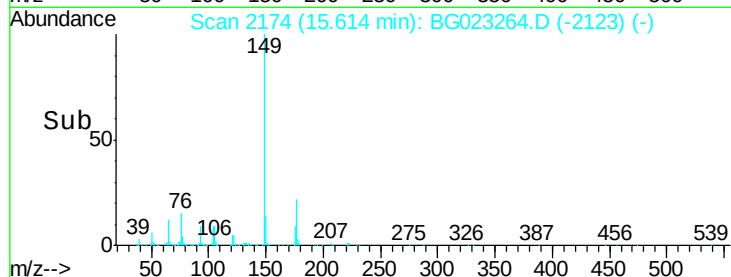
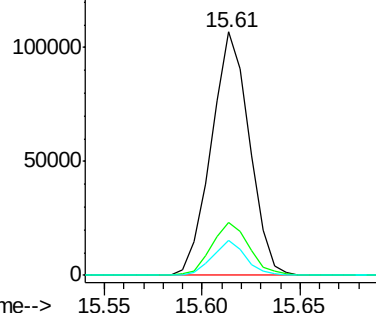
7/26/2016 11:41:17 AM



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: 3.55 ng/ul

RT: 15.86 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG023264.D

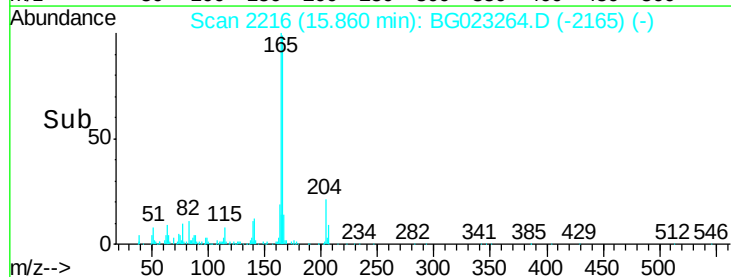
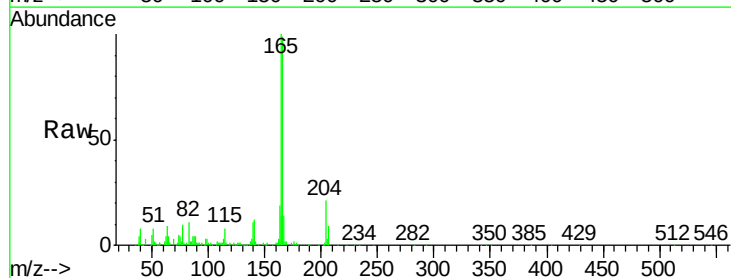
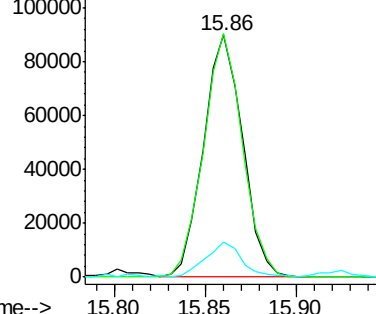
Acq: 25 Jul 2016 23:20

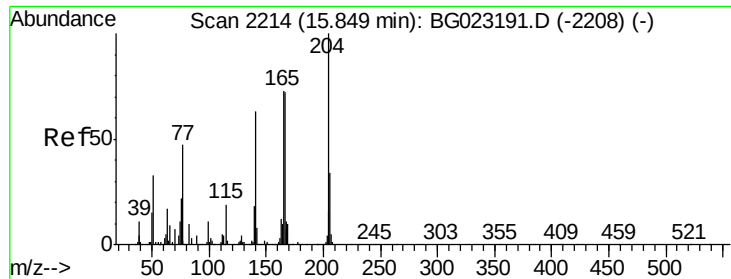
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.3	120.5
167	14.4	10.3	15.5

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





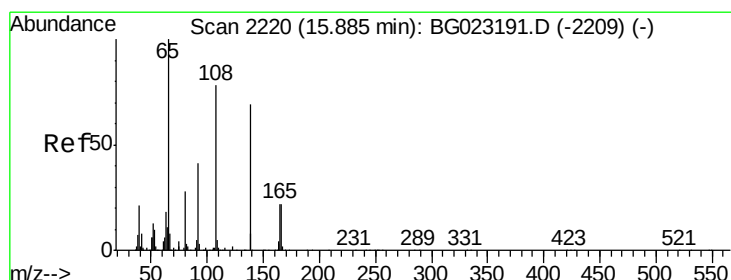
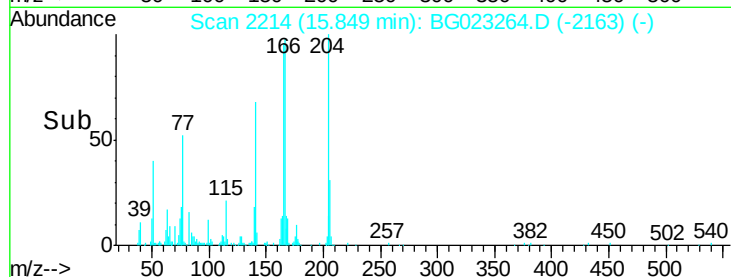
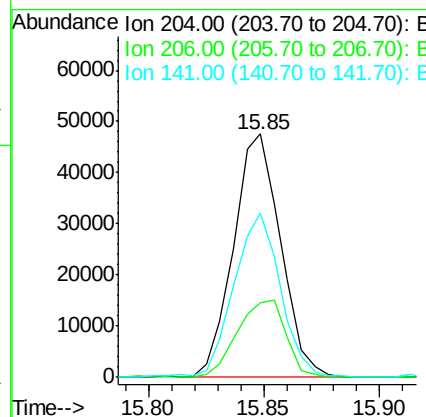
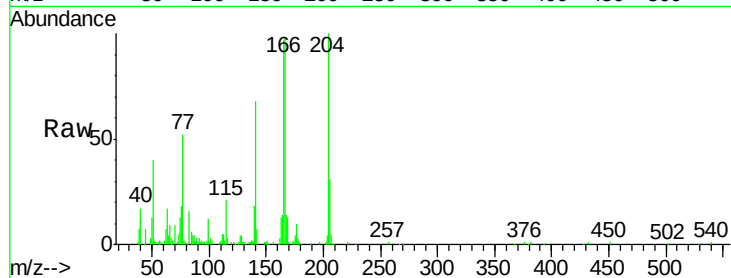
#59
 4-Chlorophenyl-phenylether
 Concen: 3.24 ng/ul
 RT: 15.85 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
204	100		
206	30.6	27.4	41.2
141	67.6	47.1	70.7

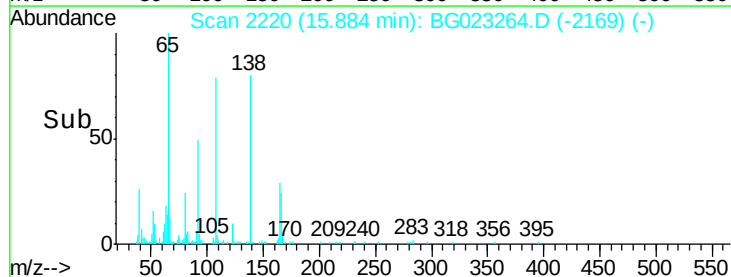
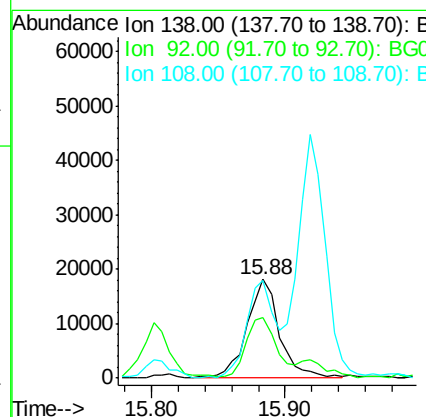
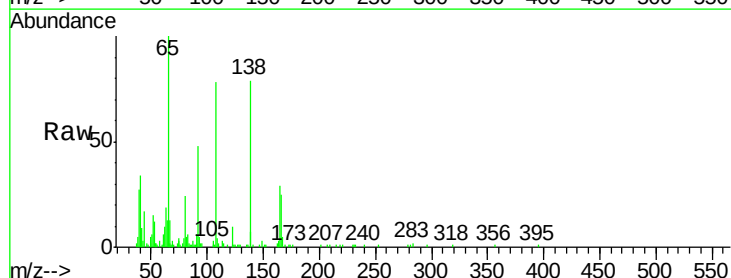
Manual Integrations

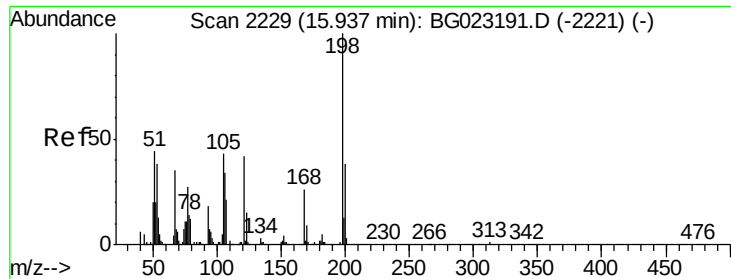
SOHIL
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#60
 4-Nitroaniline
 Concen: 3.31 ng/ul
 RT: 15.88 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
138	100		
92	61.5	39.0	58.4#
108	98.9	49.2	73.8#





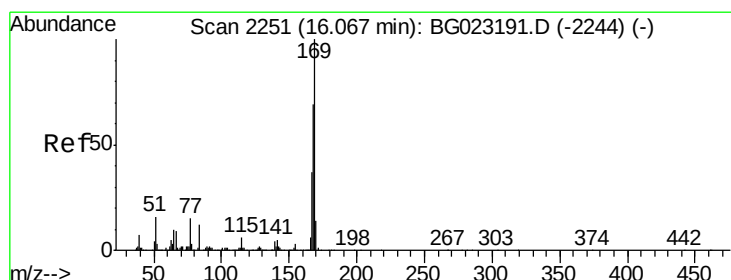
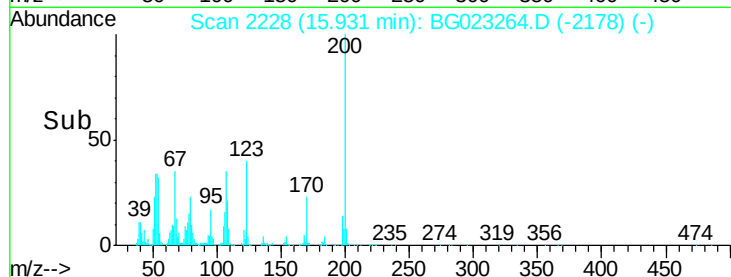
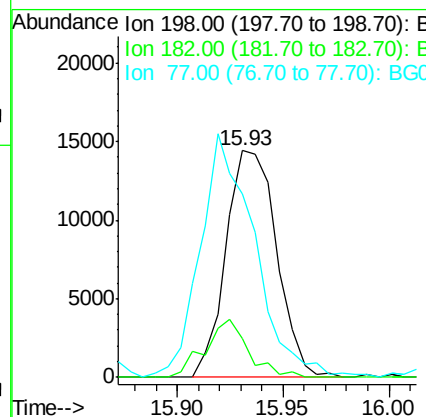
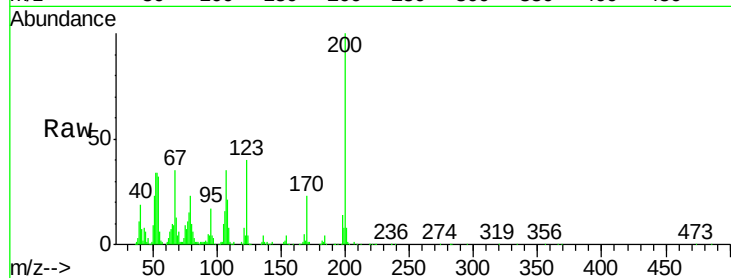
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.94 ng/ul
 RT: 15.93 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Instrument :
 BNA_G
 ClientSampleId :
 MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
198	100		
182	17.2	4.2	6.2#
77	80.8	16.7	25.1#

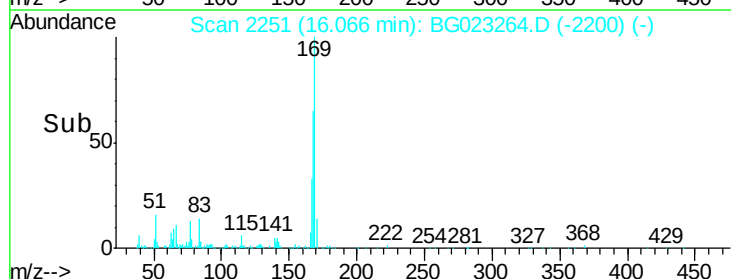
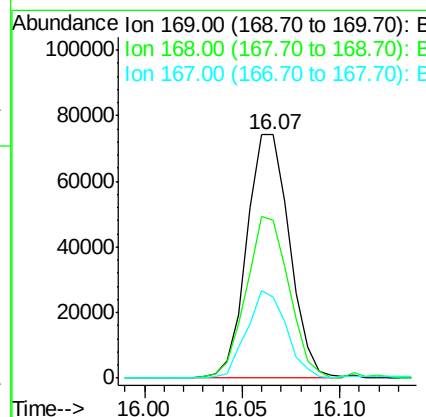
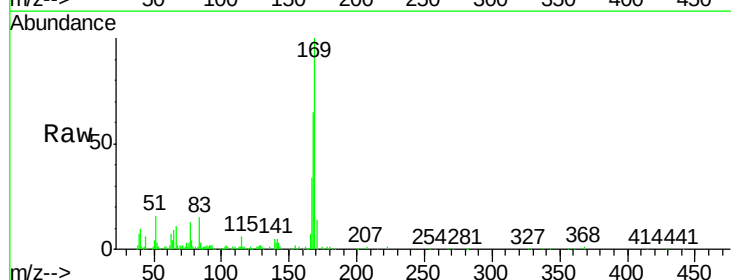
Manual Integrations

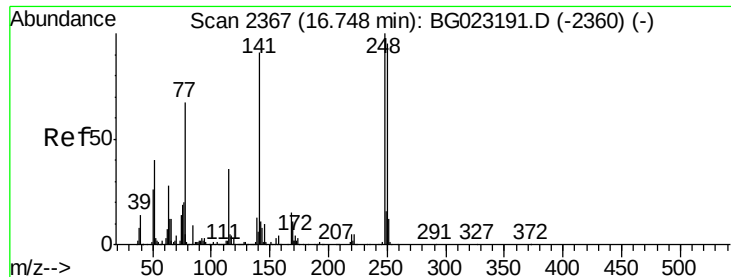
SOHIL
 7/26/2016 11:41:17 AM



#64
 N-Nitrosodiphenylamine
 Concen: 3.49 ng/ul
 RT: 16.07 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: BG023264.D
 Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.0	59.0	88.6
167	33.5	30.6	46.0





#65

4-Bromophenyl-phenylether

Concen: 3.44 ng/ul

RT: 16.75 min Scan# 2367

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

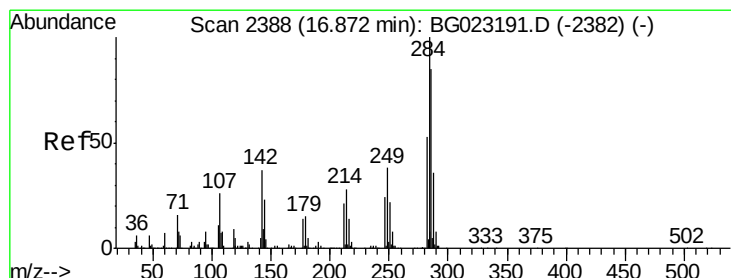
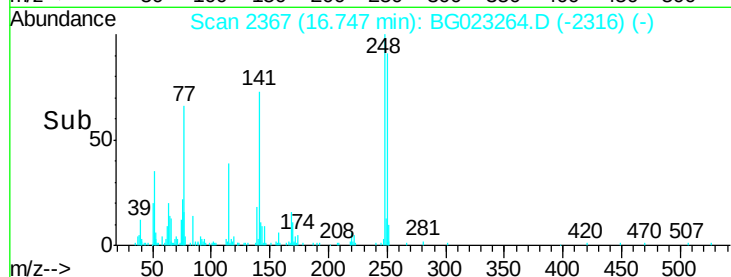
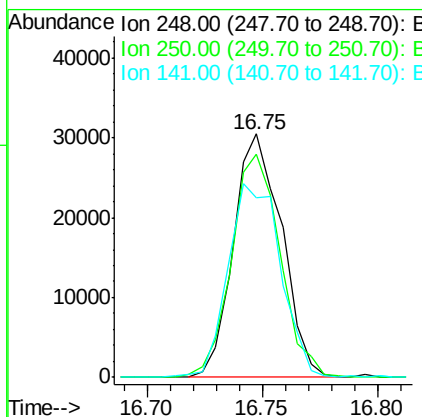
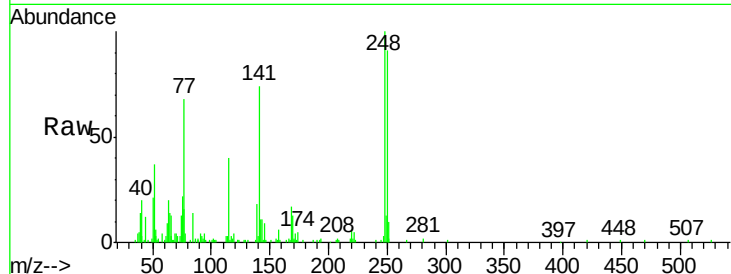
MDL-07-S-ML

Tgt Ion:	248	Resp:	44270
Ion Ratio	Lower	Upper	
248	100		
250	91.5	76.6	114.8
141	73.6	61.8	92.6

Manual Integrations

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#66

Hexachlorobenzene

Concen: 3.29 ng/ul

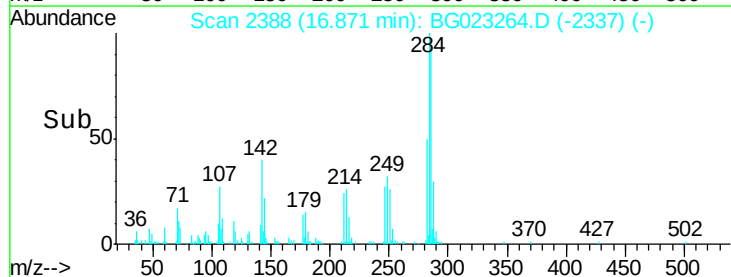
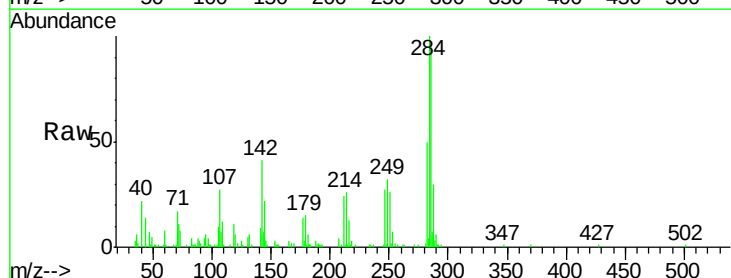
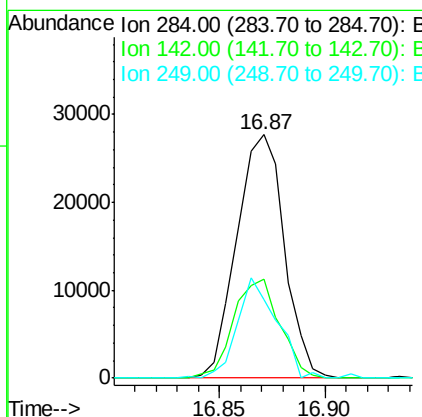
RT: 16.87 min Scan# 2388

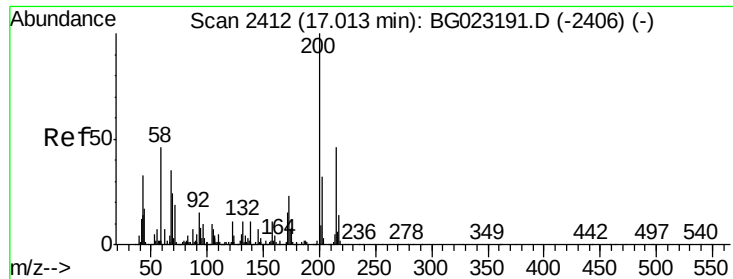
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	284	Resp:	43369
Ion Ratio	Lower	Upper	
284	100		
142	38.4	27.8	41.8
249	30.3	24.4	36.6





#67

Atrazine

Concen: 2.91 ng/ul

RT: 17.01 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

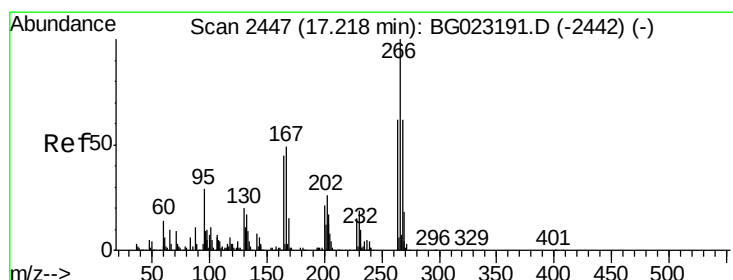
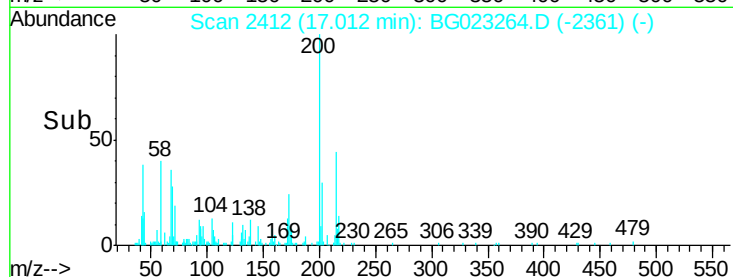
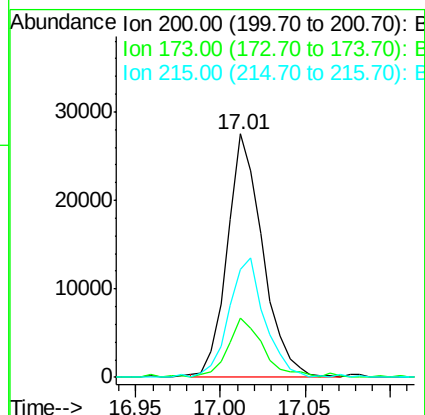
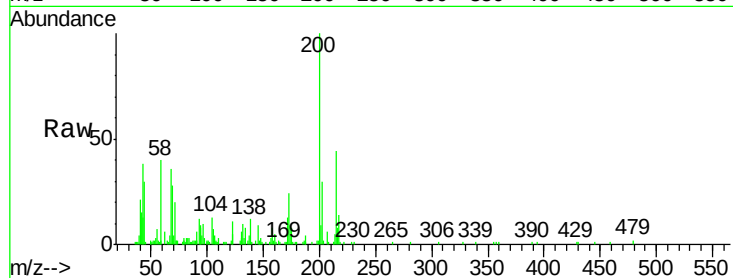
MDL-07-S-ML

Tgt Ion:	200	Resp:	40136
Ion Ratio	Lower	Upper	
200	100		
173	24.1	21.0	31.6
215	44.2	37.9	56.9

Manual Integrations

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#68

Pentachlorophenol

Concen: 1.97 ng/ul m

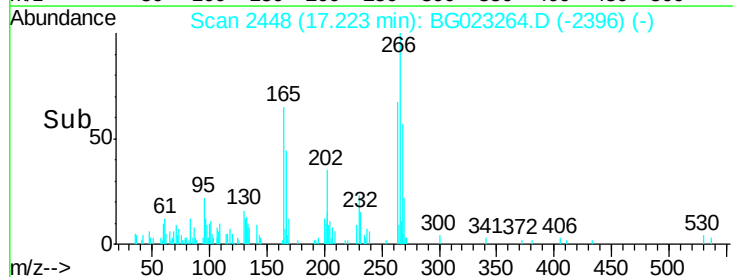
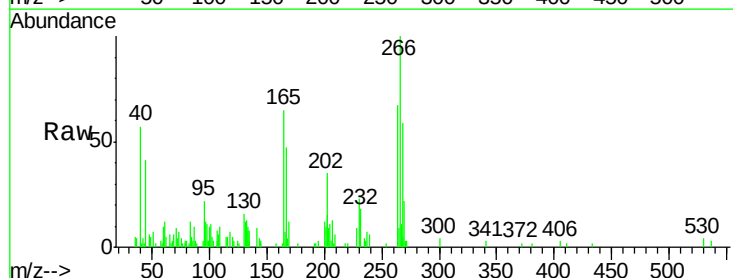
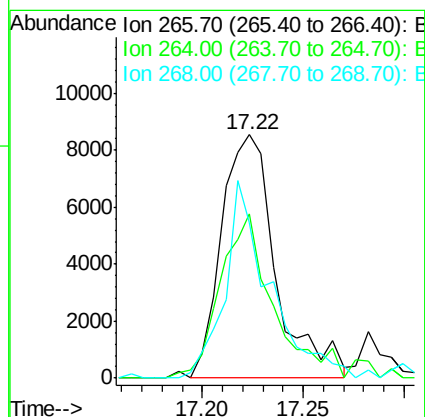
RT: 17.22 min Scan# 2448

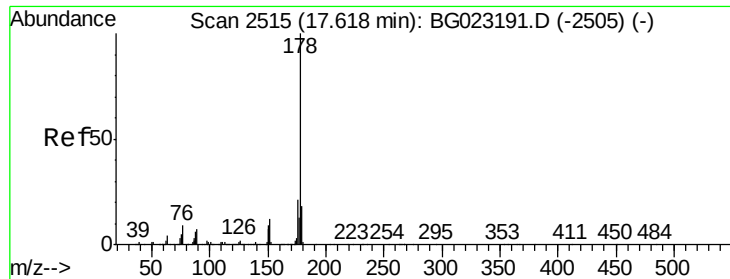
Delta R.T. 0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	266	Resp:	16089
Ion Ratio	Lower	Upper	
266	100		
264	67.3	54.7	82.1
268	59.2	57.8	86.8





#69

Phenanthrene

Concen: 3.88 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BG023264.D

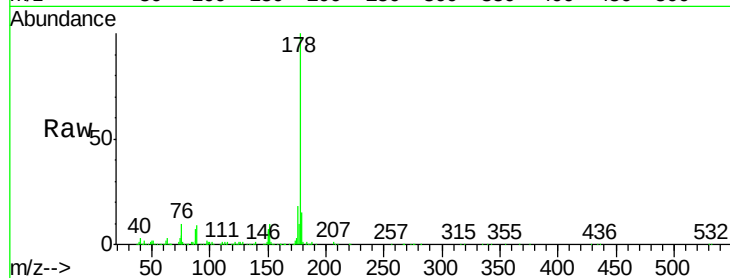
Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

MDL-07-S-ML

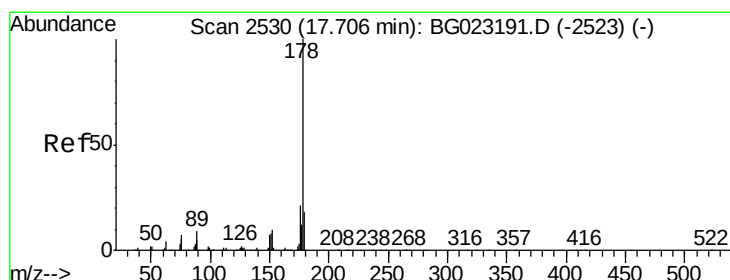
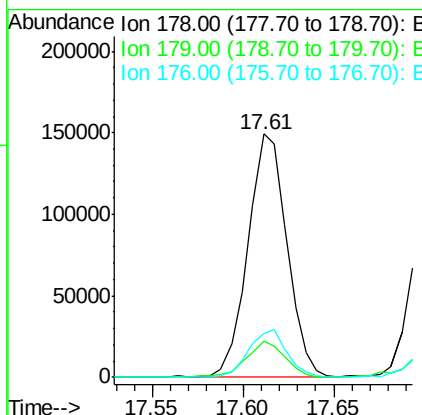
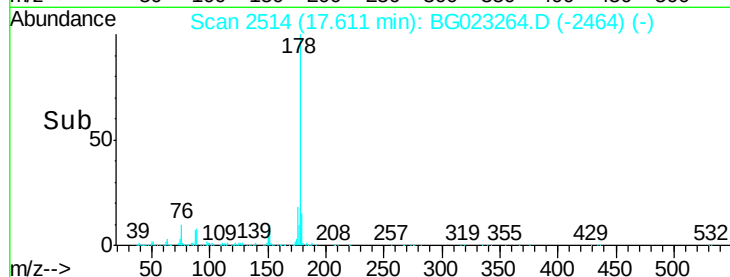


Tgt Ion:	178	Resp:	223701
Ion Ratio	Lower	Upper	
178	100		
179	14.7	12.9	19.3
176	17.9	15.8	23.8

Manual Integrations

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#71

Anthracene

Concen: 3.76 ng/ul

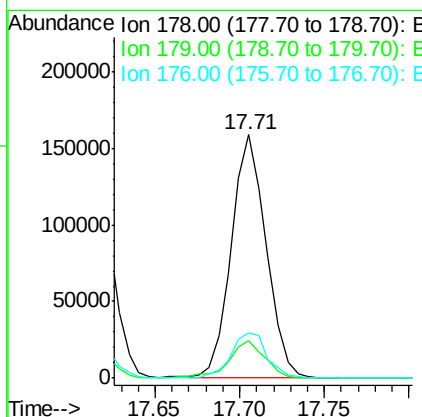
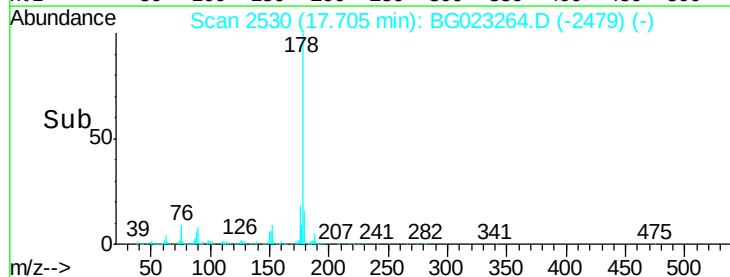
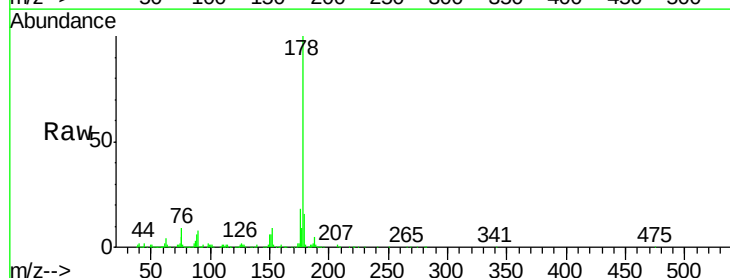
RT: 17.71 min Scan# 2530

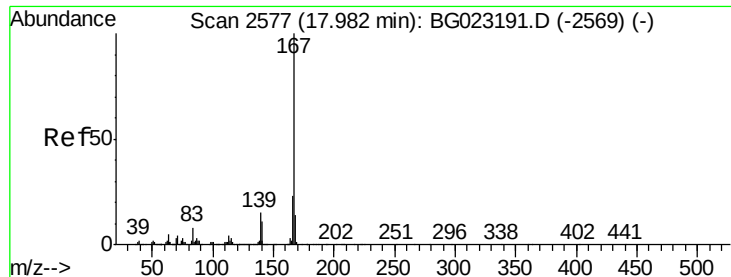
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	178	Resp:	227268
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.3	18.5
176	18.5	16.3	24.5





#72

Carbazole

Concen: 3.87 ng/ul

RT: 17.98 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BG023264.D

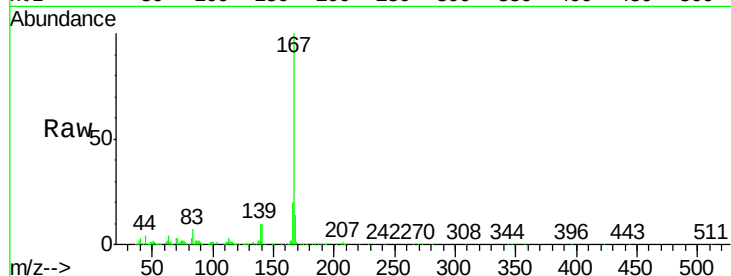
Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

MDL-07-S-ML

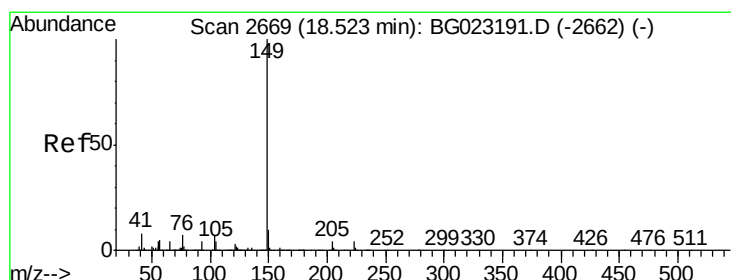
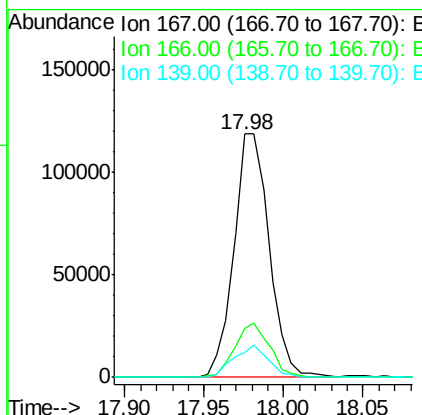
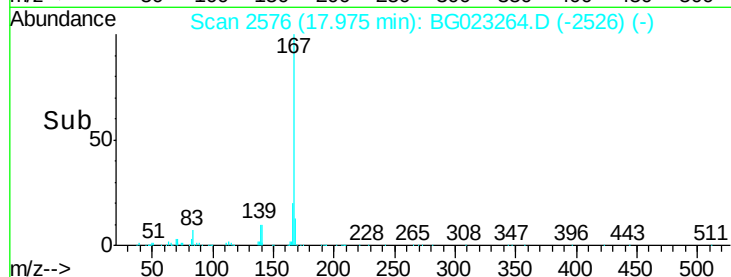


Tgt Ion:	167	Resp:	183738
Ion Ratio	Lower	Upper	
167	100		
166	20.4	19.2	28.8
139	10.0	10.2	15.4#

Manual Integrations

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#73

Di-n-butylphthalate

Concen: 3.64 ng/ul

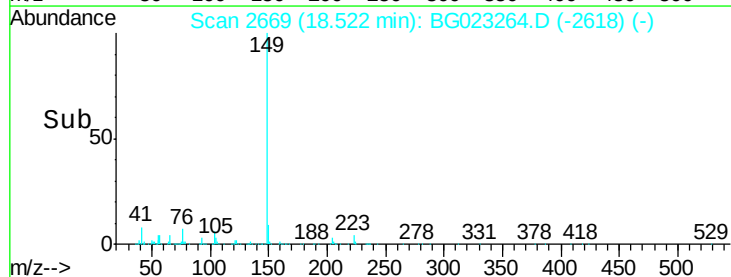
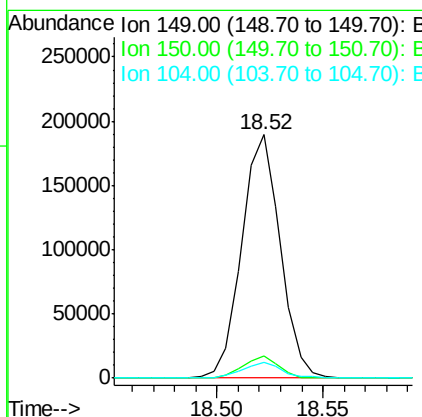
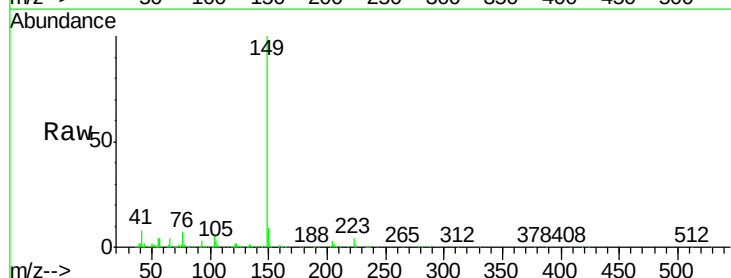
RT: 18.52 min Scan# 2669

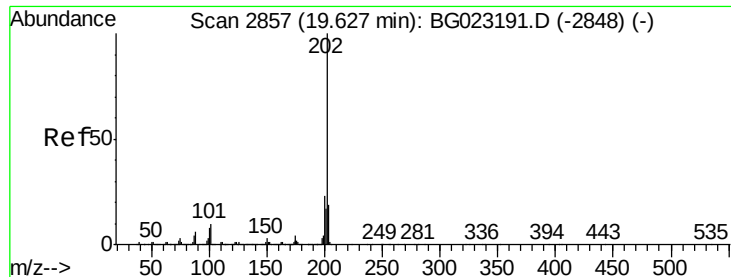
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion:	149	Resp:	239609
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.1	10.7
104	6.4	3.3	4.9#





#74

Fluoranthene

Concen: 4.25 ng/ul

RT: 19.63 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampled :

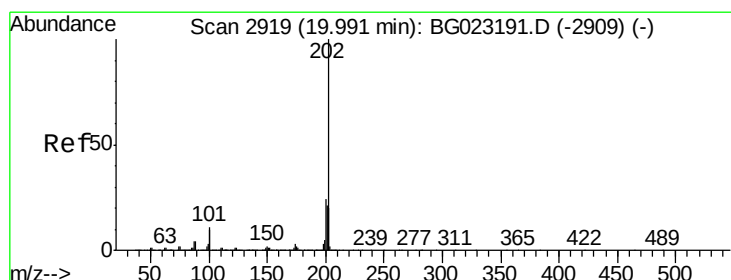
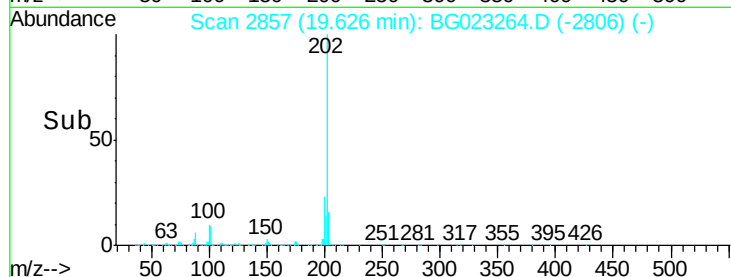
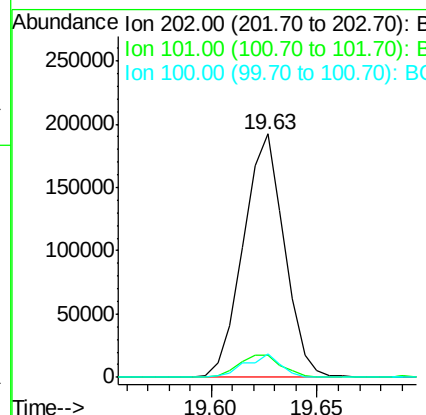
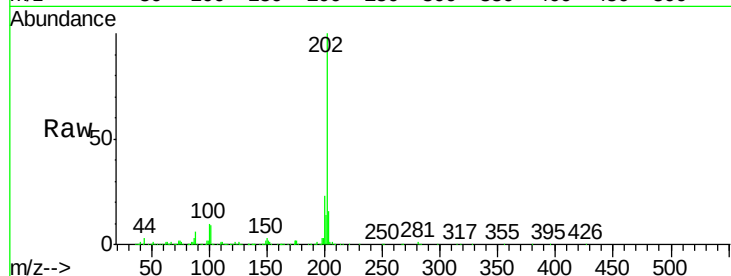
MDL-07-S-ML

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		257370		
101	8.9	10.6	16.0#		
100	9.6	8.7	13.1		

Manual Integrations

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#77

Pyrene

Concen: 4.03 ng/ul

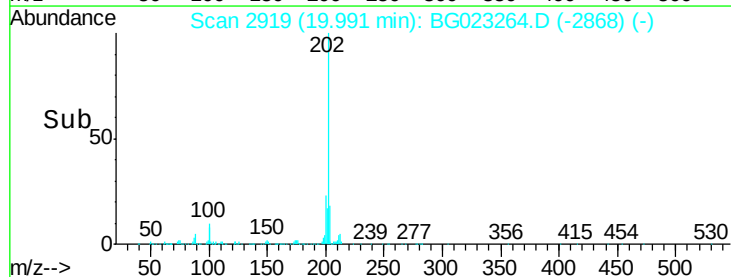
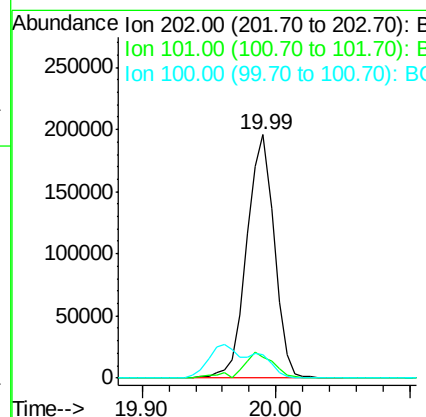
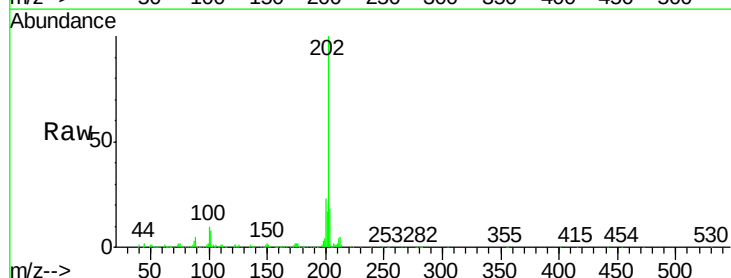
RT: 19.99 min Scan# 2919

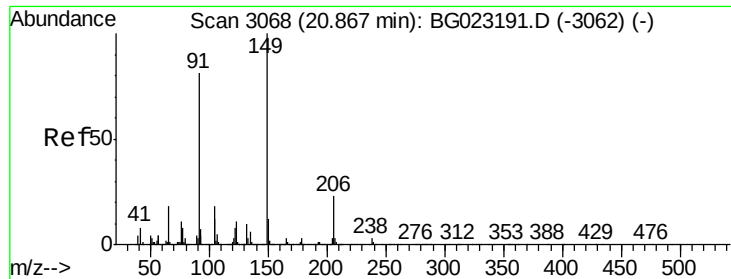
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		276432		
101	8.4	12.5	18.7#		
100	9.6	10.2	15.4#		





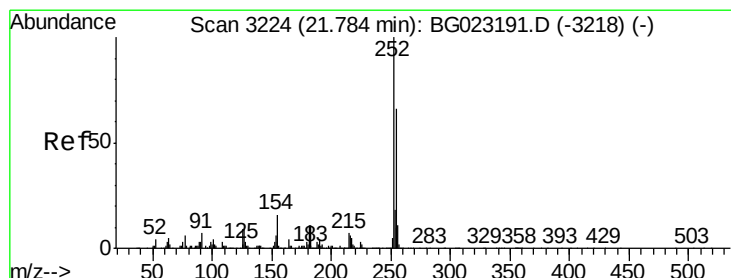
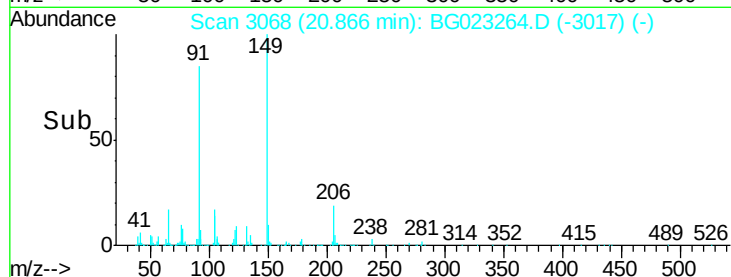
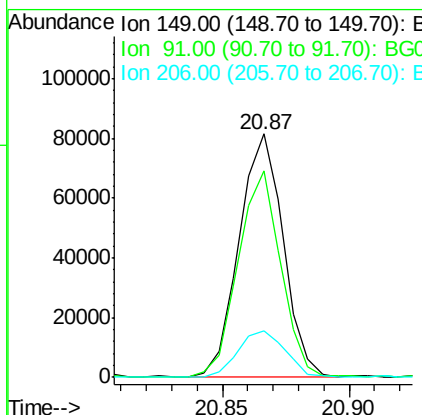
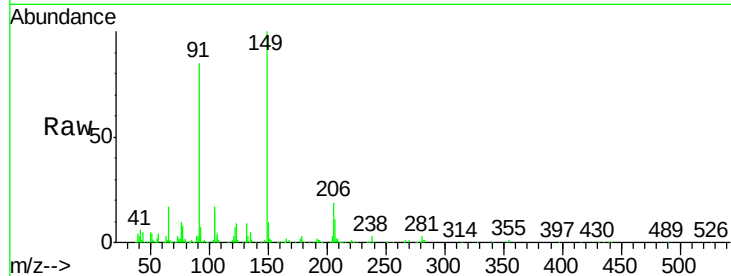
#78
Butylbenzylphthalate
Concen: 3.32 ng/ul
RT: 20.87 min Scan# 3068
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Instrument :
BNA_G
ClientSampleId :
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
149	100		
91	84.9	54.2	81.4#
206	19.2	14.1	21.1

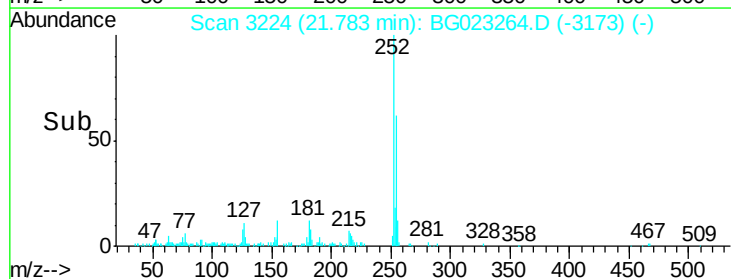
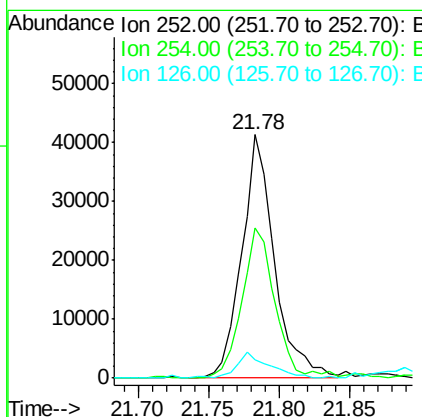
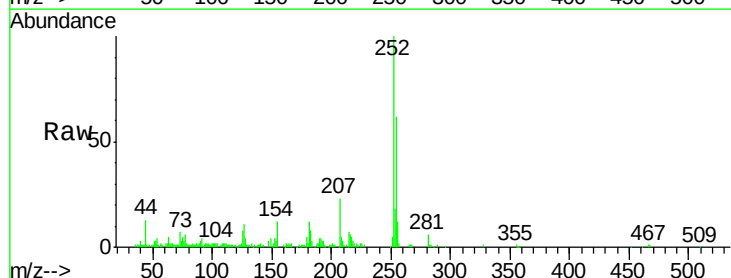
Manual Integrations

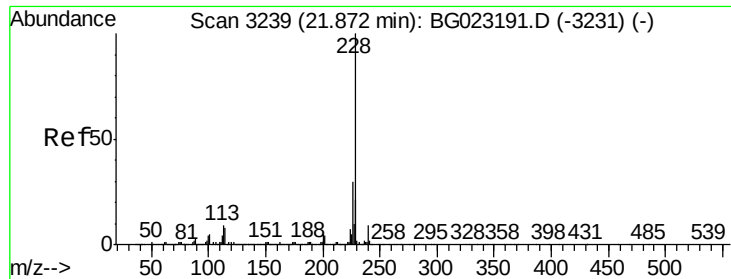
SOHIL
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#79
3,3'-Dichlorobenzidine
Concen: 2.98 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.9	51.4	77.2
126	7.7	10.7	16.1#





#80

Benzo(a)anthracene

Concen: 3.86 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

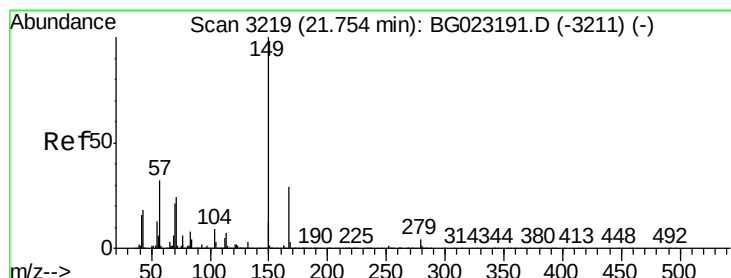
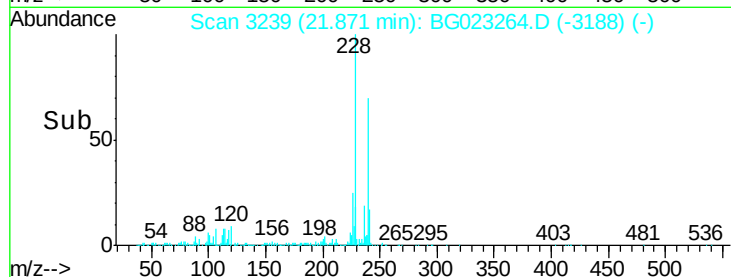
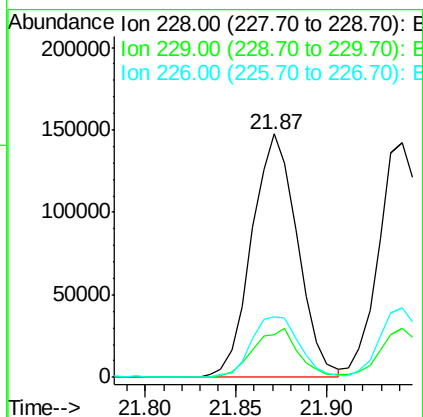
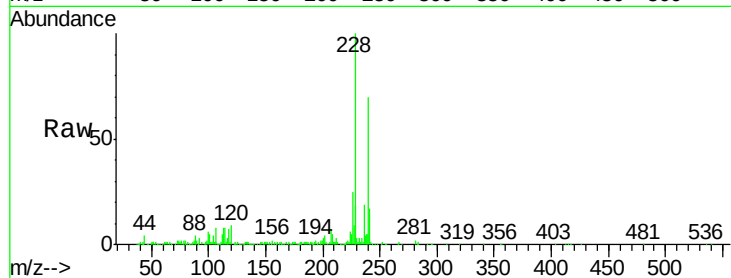
MDL-07-S-ML

Tgt	Ion	Resp	Lower	Upper
228	100			
229	17.5	15.4	23.2	
226	24.9	22.8	34.2	

Manual Integrations

SOHIL

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#81

Bis(2-ethylhexyl)phthalate

Concen: 3.39 ng/ul

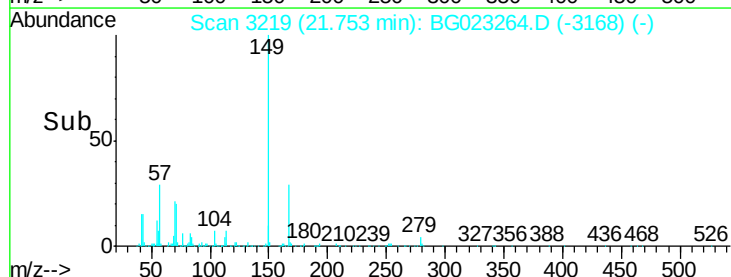
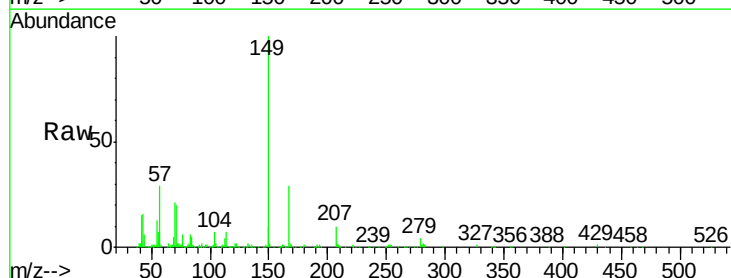
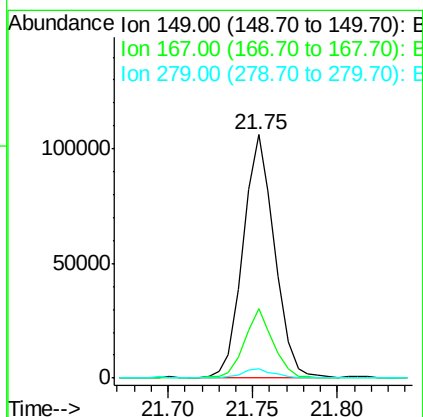
RT: 21.75 min Scan# 3219

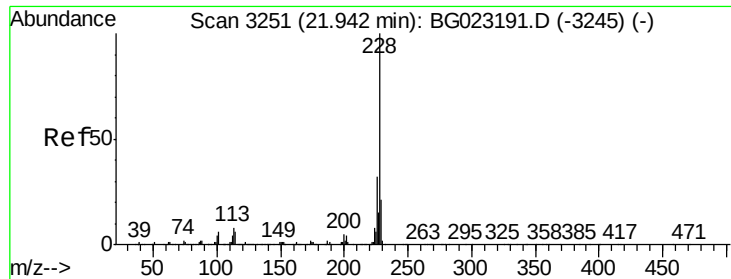
Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt	Ion	Resp	Lower	Upper
149	100			
167	28.7	21.9	32.9	
279	4.0	2.9	4.3	





#82

Chrysene

Concen: 3.90 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

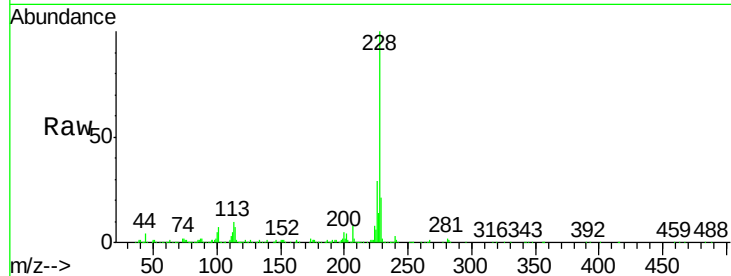
MDL-07-S-ML

Tgt Ion:	228	Resp:	236825
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.2	36.4
229	21.0	15.0	22.6

Manual Integrations

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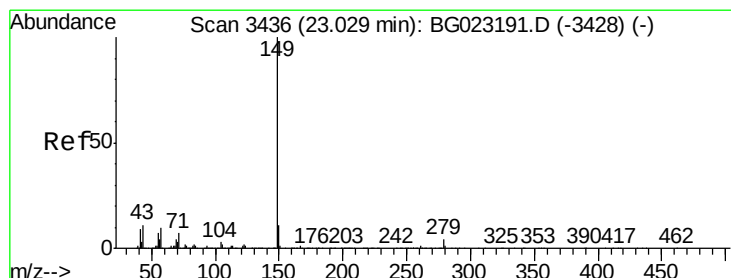
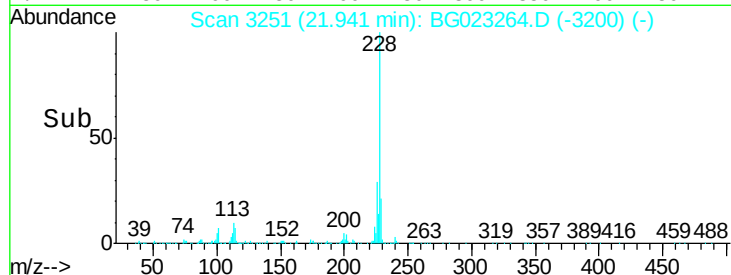
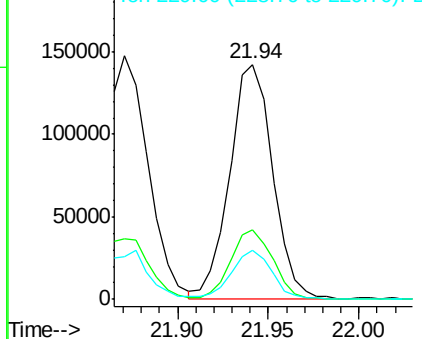
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 3.73 ng/ul

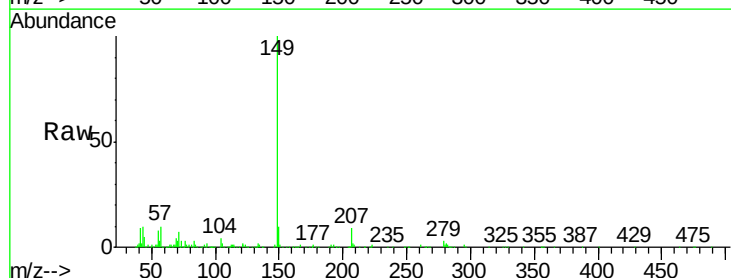
RT: 23.03 min Scan# 3436

Delta R.T. -0.00 min

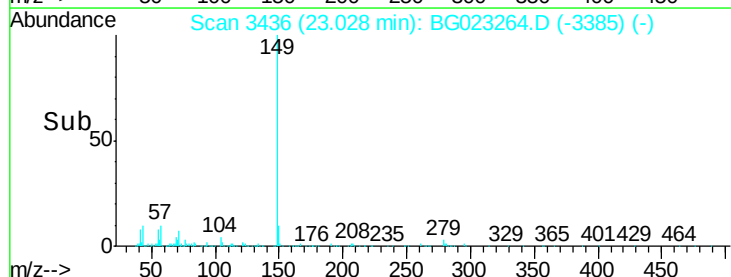
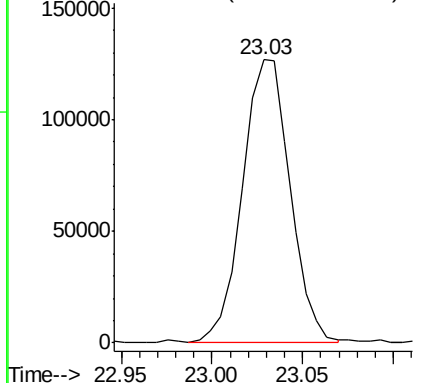
Lab File: BG023264.D

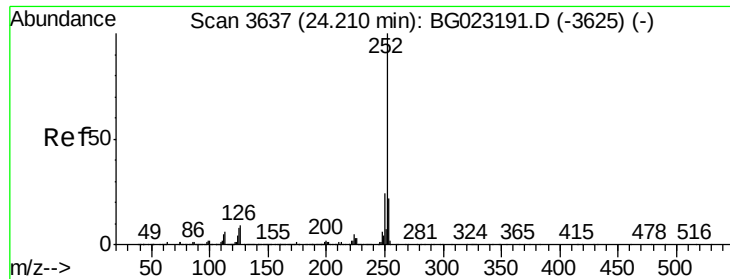
Acq: 25 Jul 2016 23:20

Tgt Ion:149 Resp: 231322



Abundance Ion 149.00 (148.70 to 149.70): E





#85

Benzo(b)fluoranthene

Concen: 3.37 ng/ul

RT: 24.21 min Scan# 3637

Delta R.T. -0.00 min

Lab File: BG023264.D

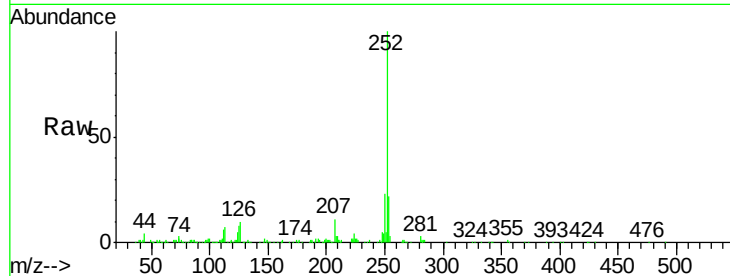
Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

MDL-07-S-ML

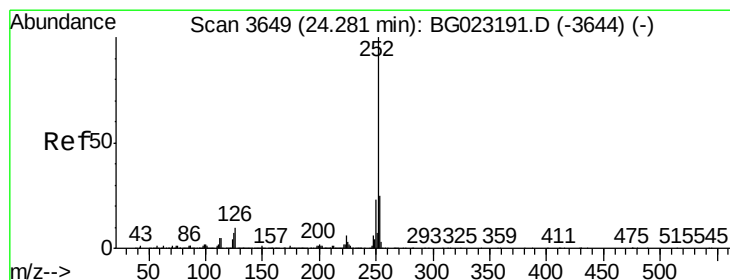
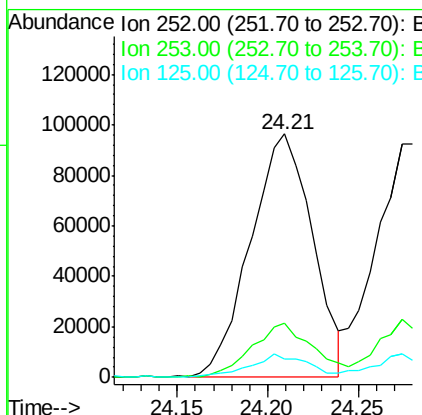
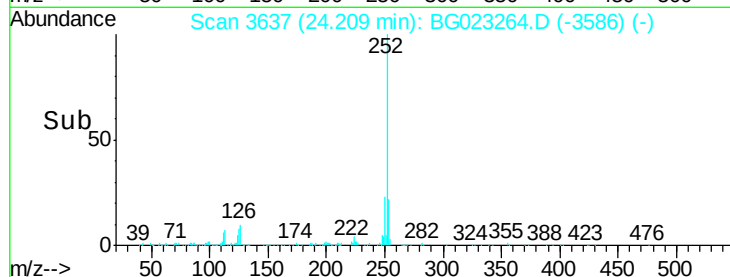


Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	7.5	10.8	16.2#

Manual Integrations

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#86

Benzo(k)fluoranthene

Concen: 3.66 ng/ul

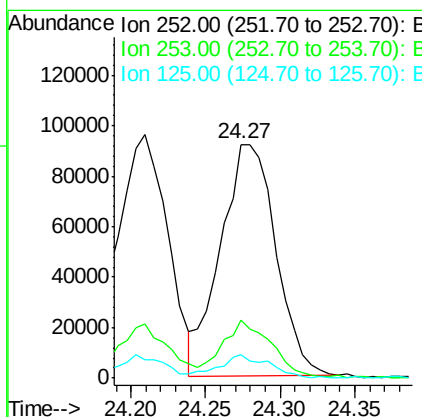
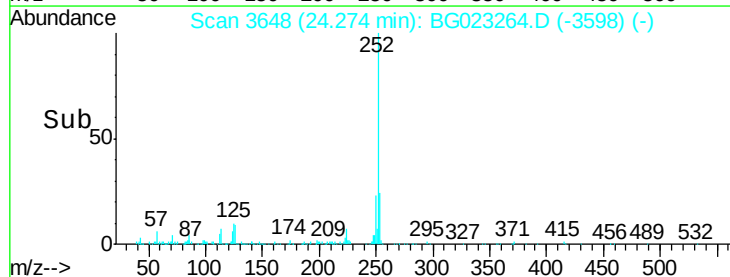
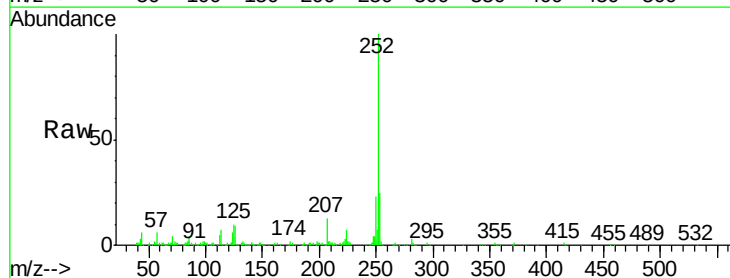
RT: 24.27 min Scan# 3648

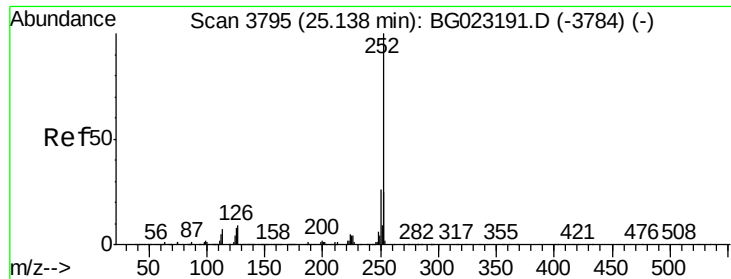
Delta R.T. -0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	15.8	23.6#
125	9.8	10.6	16.0#





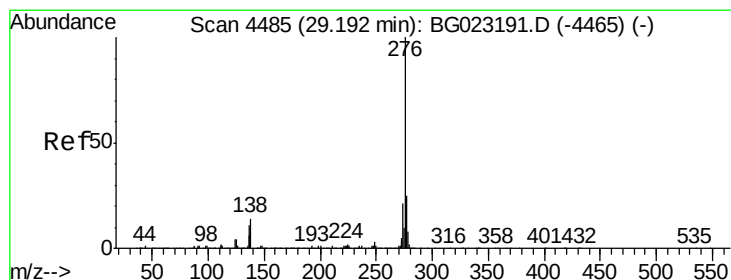
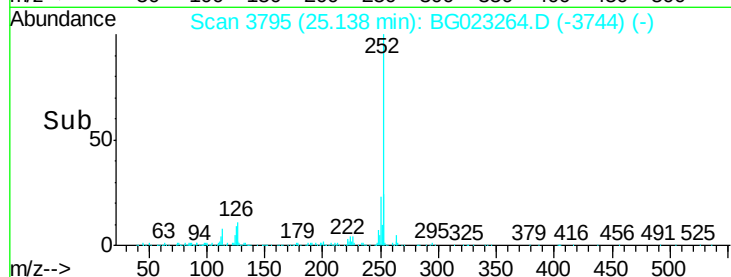
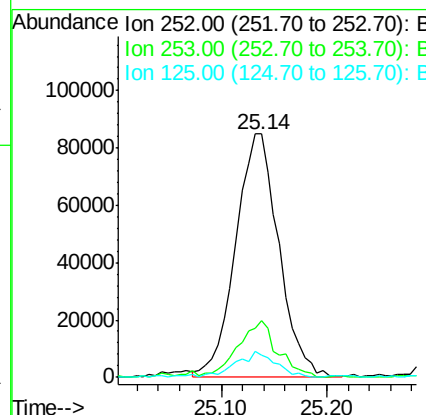
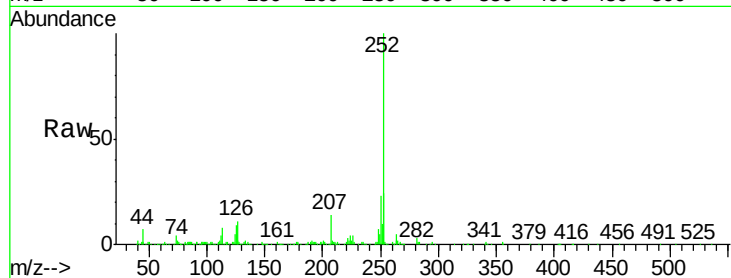
#88
Benzo(a)pyrene
Concen: 3.72 ng/ul
RT: 25.14 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Instrument :
BNA_G
ClientSampleId :
MDL-07-S-ML

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.4
125	9.3	12.0	18.0

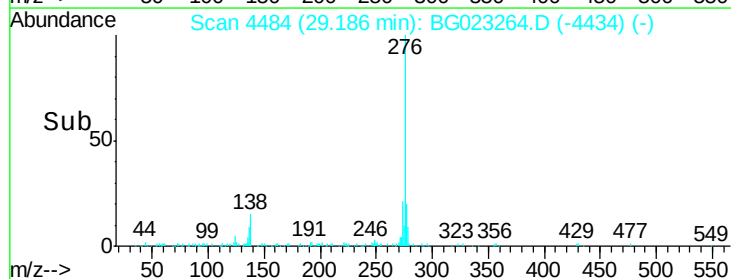
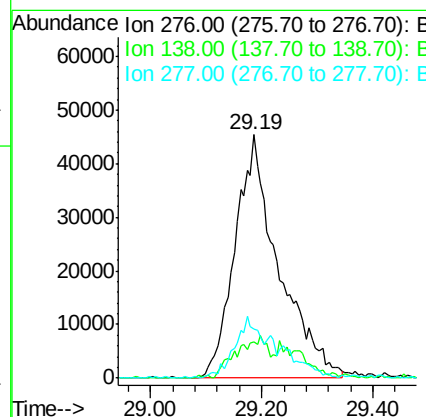
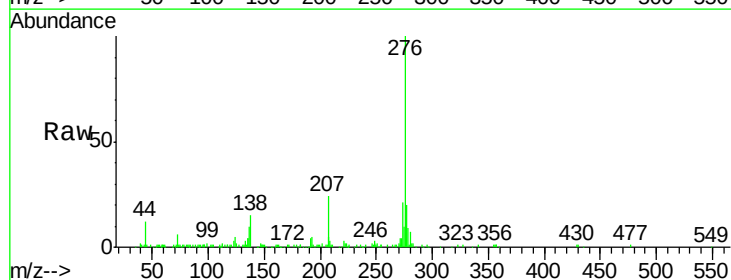
Manual Integrations

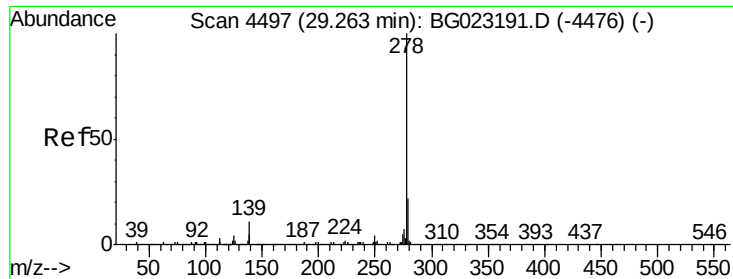
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#89
Indeno(1,2,3-cd)pyrene
Concen: 3.36 ng/ul m
RT: 29.19 min Scan# 4484
Delta R.T. -0.01 min
Lab File: BG023264.D
Acq: 25 Jul 2016 23:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	20.8	31.2
277	20.4	17.6	26.4





#90

Dibenzo(a,h)anthracene

Concen: 3.20 ng/ul m

RT: 29.25 min Scan# 4495

Delta R.T. -0.01 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Instrument :

BNA_G

ClientSampleId :

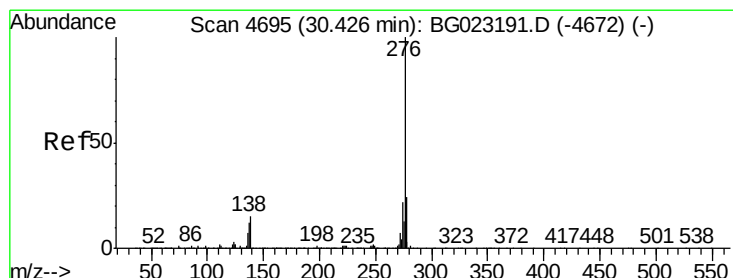
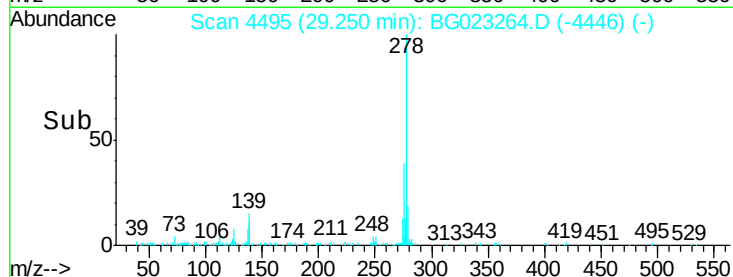
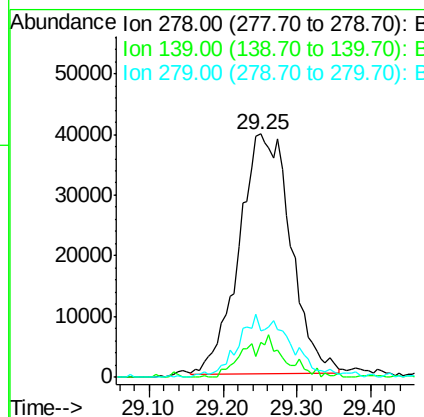
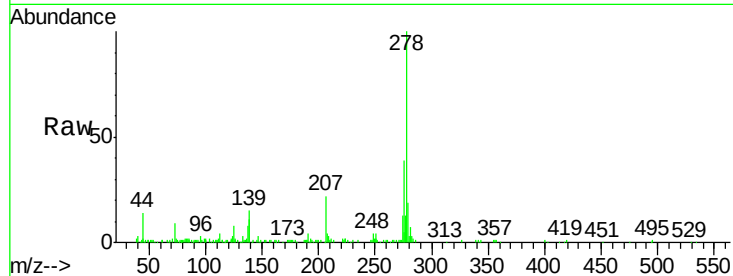
MDL-07-S-ML

Tgt	Ion	Ratio	Lower	Upper
278	100			
139	14.5	16.3	24.5#	
279	19.1	19.1	28.7	

Manual Integrations

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#91

Benzo(g,h,i)perylene

Concen: 3.32 ng/ul m

RT: 30.40 min Scan# 4691

Delta R.T. -0.02 min

Lab File: BG023264.D

Acq: 25 Jul 2016 23:20

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	18.5	22.1	33.1#	
277	17.4	17.0	25.4	

