

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071515\
 Data File : BG017906.D
 Acq On : 16 Jul 2015 5:25
 Operator : TP/UM
 Sample : MDL-04-S-ML
 Misc : MDL-SOIL-SVOC-8PPM-MED LEVEL
 ALS Vial : 49 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 16 07:21:08 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG071415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 16 03:39:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	90930	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	412303	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	240631	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	503333	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	502579	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	468691	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	12143	4.78	ng/uL	0.00
5) Phenol-d5	6.76	99	212578	27.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	130219	24.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	187983	30.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	177752	29.57	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	89017	27.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	84883	35.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	157136	31.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	260598	36.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	540543	32.22	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	696501	31.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	89616	28.30	ng/ul	0.00
57) Fluorene-d10	15.24	176	502508	32.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	50426	21.41	ng/ul	0.00
70) Anthracene-d10	17.09	188	730959	32.05	ng/ul	0.00
78) Pyrene-d10	19.40	212	798886	33.75	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	719314	31.31	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.15	88	4207	1.55 ng/uL#	91
4) Benzaldehyde	6.73	77	31365	6.83 ng/ul	90
6) Phenol	6.79	94	46376	5.39 ng/ul	94
8) Bis(2-Chloroethyl)ether	7.02	93	39275	5.60 ng/ul	90
10) 2-Chlorophenol	7.15	128	37383	6.08 ng/ul#	86
11) 2-Methylphenol	8.03	108	34663	5.55 ng/ul	94
12) 2,2'-oxybis(1-Chloropropan	8.13	45	48051	4.71 ng/ul#	92
14) Acetophenone	8.40	105	59492	5.95 ng/ul#	87
15) N-Nitroso-di-n-propylamine	8.39	70	31387	5.09 ng/ul#	86
16) 4-Methylphenol	8.36	108	37448	5.50 ng/ul	99
17) Hexachloroethane	8.65	117	16655	5.67 ng/ul	97
20) Nitrobenzene	8.77	77	42776	5.04 ng/ul#	90
21) Isophorone	9.30	82	83828	5.28 ng/ul	96
23) 2-Nitrophenol	9.49	139	19677	6.86 ng/ul	92
24) 2,4-Dimethylphenol	9.55	107	42776	5.83 ng/ul	96
25) Bis(2-Chloroethoxy)methane	9.79	93	49229	5.52 ng/ul	97
27) 2,4-Dichlorophenol	10.01	162	33547	6.71 ng/ul	89
28) Naphthalene	10.41	128	135850	6.37 ng/ul	99
30) 4-Chloroaniline	10.53	127	47886	6.46 ng/ul	94
31) Hexachlorobutadiene	10.71	225	21175	6.72 ng/ul	93
32) Caprolactam	11.31	113	13846m	3.78 ng/ul	
33) 4-Chloro-3-methylphenol	11.66	107	34873	5.69 ng/ul#	87
34) 2-Methylnaphthalene	12.04	142	93207	6.44 ng/ul	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.41	216	41166	6.50	ng/ul#	91
37) Hexachlorocyclopentadiene	12.39	237	18192	5.53	ng/ul	93
38) 2,4,6-Trichlorophenol	12.66	196	20538m	5.98	ng/ul	
39) 2,4,5-Trichlorophenol	12.73	196	25022	6.68	ng/ul	95
40) 1,1'-Biphenyl	13.07	154	119726	6.43	ng/ul#	97
41) 2-Chloronaphthalene	13.11	162	94272	6.59	ng/ul	95
42) 2-Nitroaniline	13.32	65	19446	4.64	ng/ul	89
44) Dimethylphthalate	13.70	163	122429	6.95	ng/ul#	98
45) 2,6-Dinitrotoluene	13.82	165	19048	5.93	ng/ul	89
47) Acenaphthylene	13.96	152	157095	6.52	ng/ul	97
48) 3-Nitroaniline	14.15	138	20496	5.60	ng/ul	91
49) Acenaphthene	14.30	153	101521	6.26	ng/ul	99
50) 2,4-Dinitrophenol	14.36	184	2094	1.55	ng/ul#	79
52) 4-Nitrophenol	14.46	109	13629	5.08	ng/ul#	82
53) Dibenzofuran	14.64	168	141178	6.61	ng/ul	92
54) 2,4-Dinitrotoluene	14.62	165	26381	5.73	ng/ul#	78
55) 2,3,4,6-Tetrachlorophenol	14.87	232	18291	6.33	ng/ul#	92
56) Diethylphthalate	15.08	149	118641	6.54	ng/ul	99
58) Fluorene	15.30	166	122886	6.62	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.30	204	57698	6.70	ng/ul	95
60) 4-Nitroaniline	15.31	138	25412	5.83	ng/ul	94
63) 4,6-Dinitro-2-methylphenol	15.38	198	12074	4.60	ng/ul#	90
64) N-Nitrosodiphenylamine	15.51	169	98628	6.44	ng/ul	99
65) 4-Bromophenyl-phenylether	16.19	248	33589	6.96	ng/ul	84
66) Hexachlorobenzene	16.30	284	36486	6.96	ng/ul	91
67) Atrazine	16.47	200	33651	6.40	ng/ul	95
68) Pentachlorophenol	16.65	266	10701	4.12	ng/ul#	80
69) Phenanthrene	17.04	178	180673	6.50	ng/ul	100
71) Anthracene	17.13	178	193748	6.81	ng/ul	97
72) 1,2,3,4-Tetrachlorobenzene	13.03	216	39553	6.17	ng/uL	96
73) Pentachlorobenzene	14.56	250	46524	7.57	ng/uL	97
74) Carbazole	17.40	167	171049	6.89	ng/ul	98
75) Di-n-butylphthalate	17.98	149	201585	6.47	ng/ul#	95
76) Fluoranthene	19.06	202	198546	7.03	ng/ul#	95
79) Pyrene	19.43	202	219702	7.10	ng/ul	97
80) Butylbenzylphthalate	20.35	149	73710	5.89	ng/ul#	85
81) 3,3'-Dichlorobenzidine	21.12	252	43648	5.80	ng/ul	98
82) Benzo(a)anthracene	21.18	228	197030	7.10	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.13	149	103910	6.00	ng/ul#	97
84) Chrysene	21.23	228	188007	7.06	ng/ul	99
86) Di-n-octyl phthalate	22.00	149	156298	5.69	ng/ul	100
87) Benzo(b)fluoranthene	22.75	252	174300	6.74	ng/ul	93
88) Benzo(k)fluoranthene	22.79	252	176915	6.64	ng/ul#	96
90) Benzo(a)pyrene	23.32	252	184016	7.08	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.65	276	181644	6.54	ng/ul	95
92) Dibenzo(a,h)anthracene	25.67	278	151435	6.40	ng/ul	96
93) Benzo(g,h,i)perylene	26.34	276	153512	6.60	ng/ul	97

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

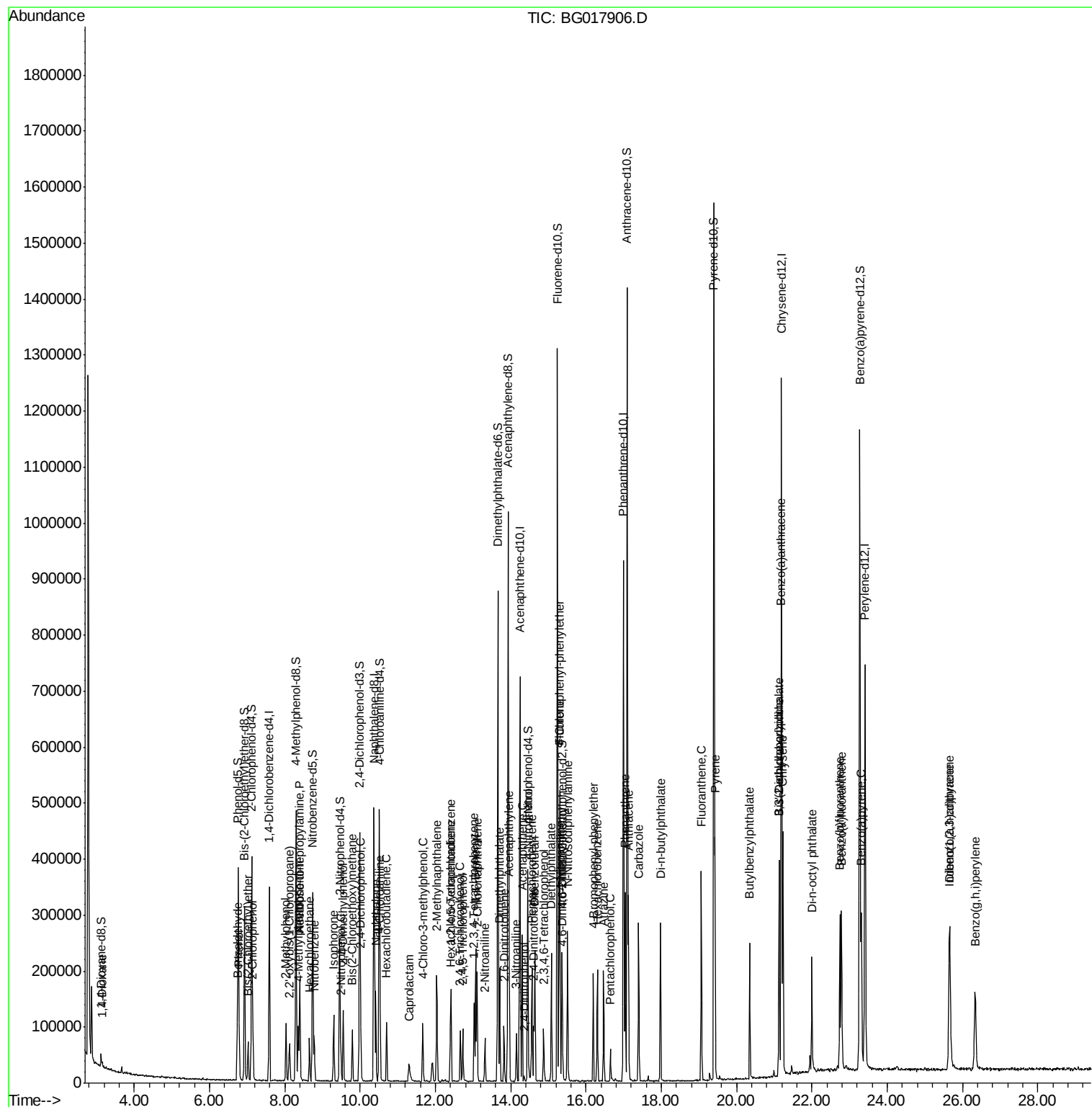
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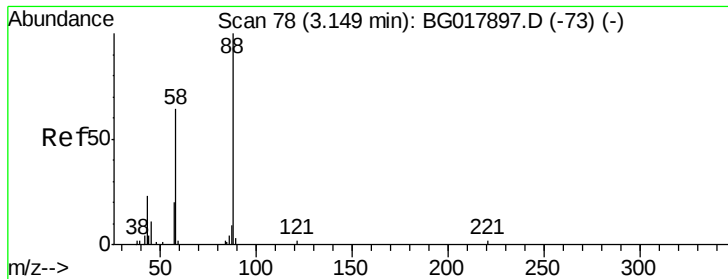
Instrument :
BNA_G
ClientSampleId :
MDL-04-S-ML

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#2

1,4-Dioxane

Concen: 1.55 ng/uL

RT: 3.15 min Scan# 79

Delta R.T. 0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

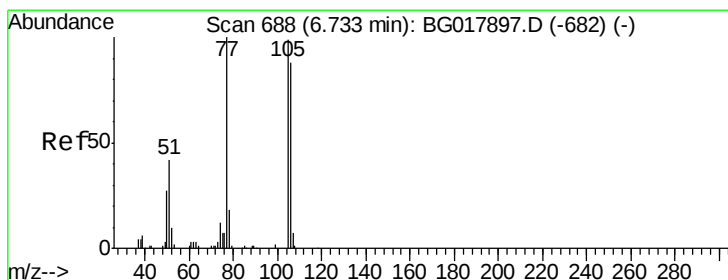
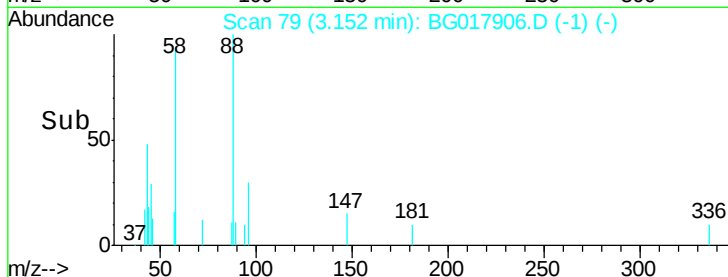
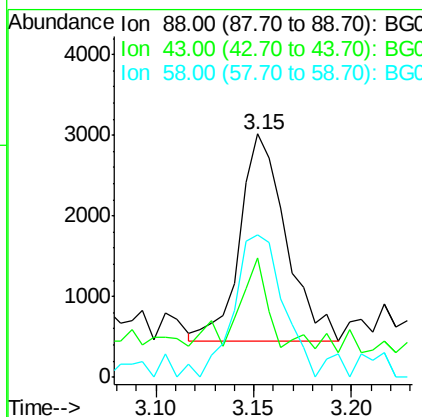
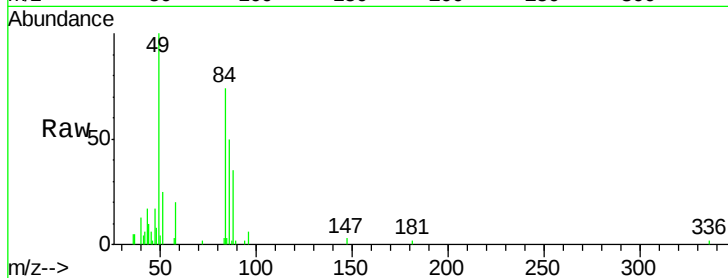
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	88	Resp:	4207
Ion Ratio	Lower	Upper	
88	100		
43	22.1	26.4	39.6#
58	72.4	61.5	92.3

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#4

Benzaldehyde

Concen: 6.83 ng/uL

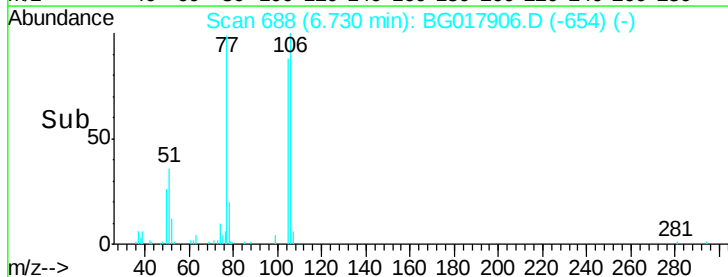
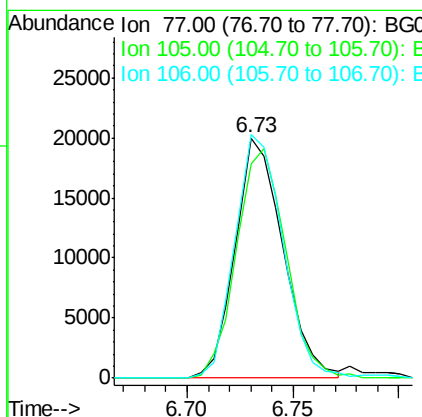
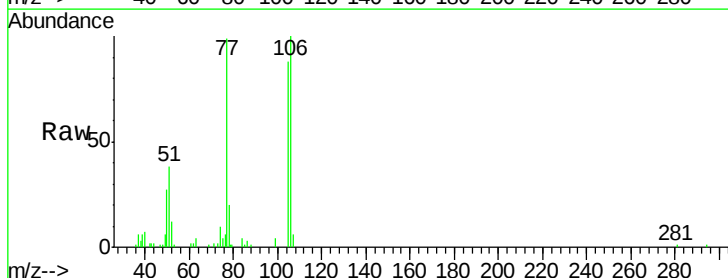
RT: 6.73 min Scan# 688

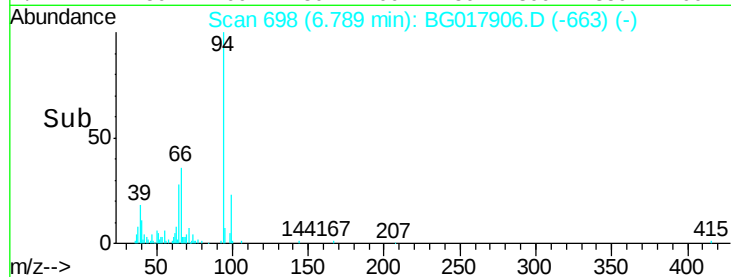
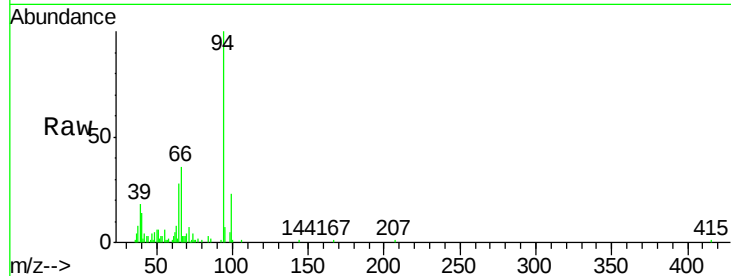
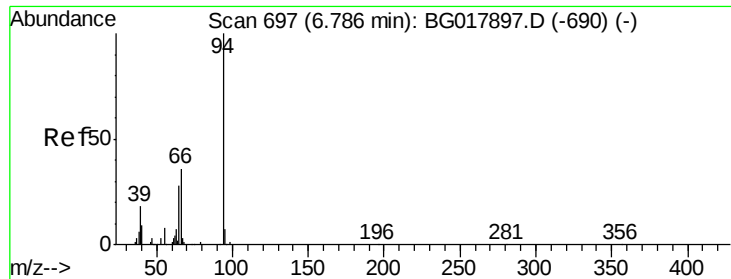
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	77	Resp:	31365
Ion Ratio	Lower	Upper	
77	100		
105	89.3	69.1	103.7
106	101.5	69.3	103.9





#6

Phenol

Concen: 5.39 ng/ul

RT: 6.79 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	46376		
65	27.6	25.0	37.4	
66	36.1	31.7	47.5	

Instrument :

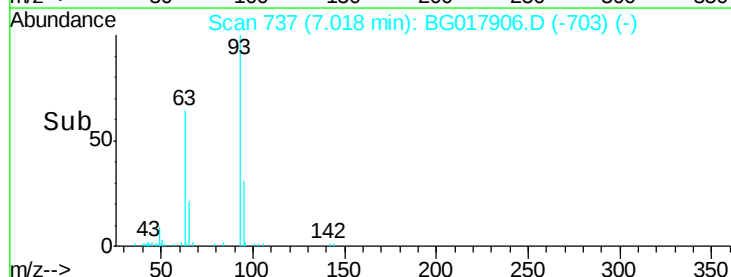
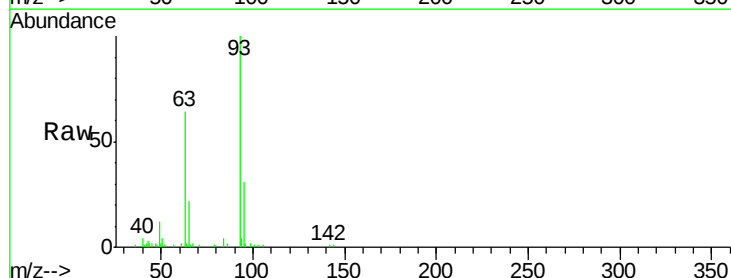
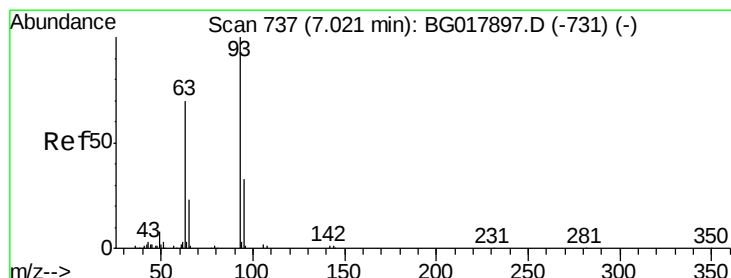
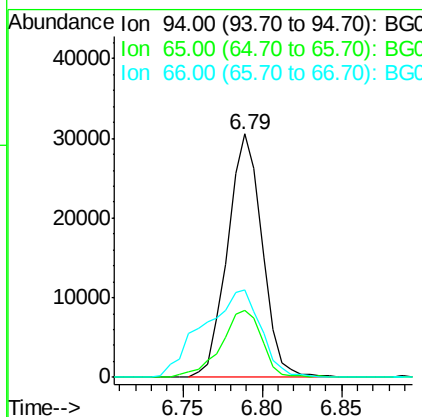
BNA_G

ClientSampleId :

MDL-04-S-ML

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#8

Bis(2-Chloroethyl)ether

Concen: 5.60 ng/ul

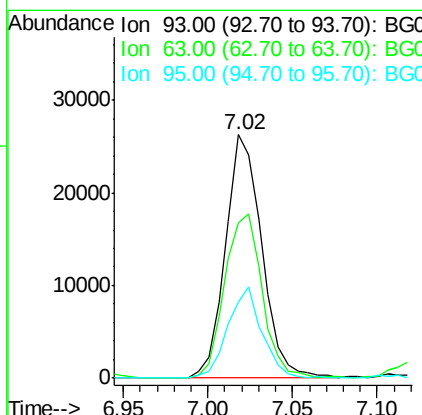
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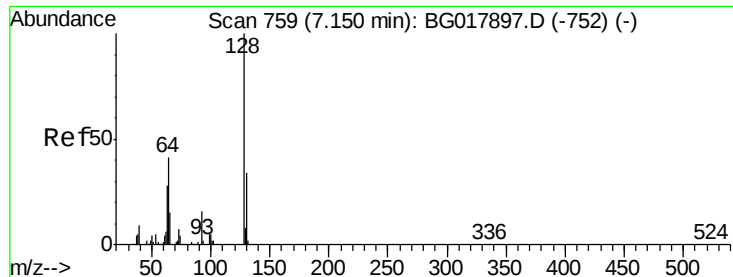
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	39275		
63	64.0	59.8	89.8	
95	31.3	23.4	35.2	





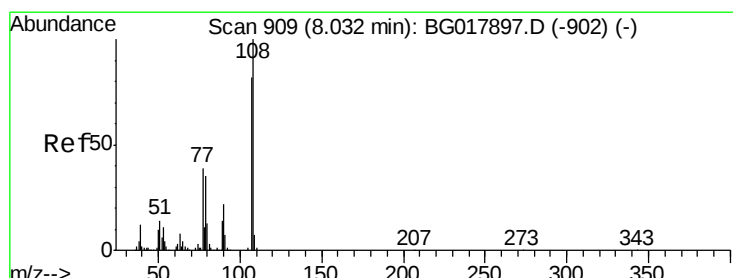
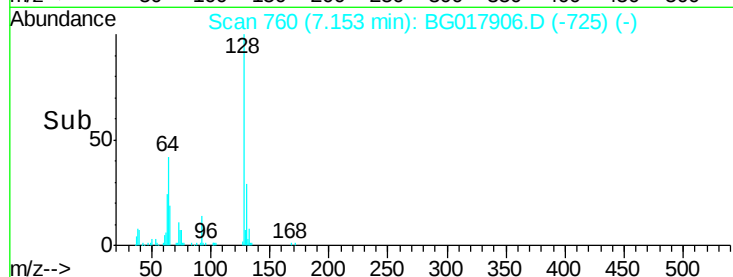
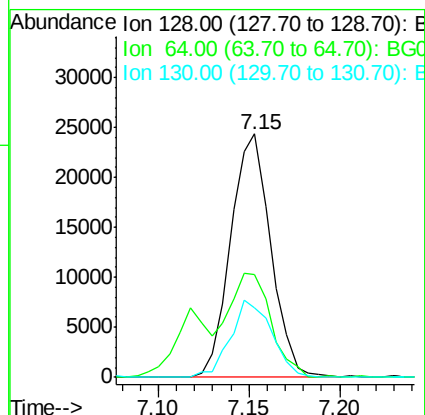
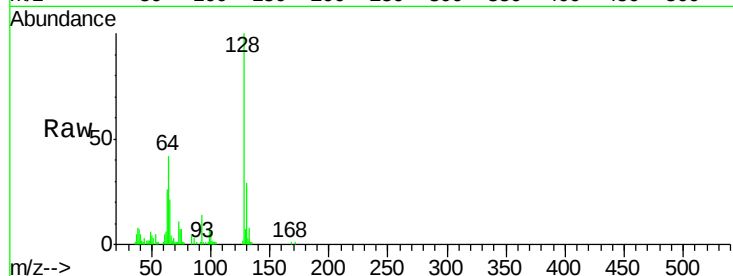
#10
2-Chlorophenol
Concen: 6.08 ng/ul
RT: 7.15 min Scan# 760
Delta R.T. 0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

Instrument :
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Tgt Ion	Ratio	Lower	Upper
128	100		
64	42.4	44.0	66.0#
130	28.5	25.9	38.9

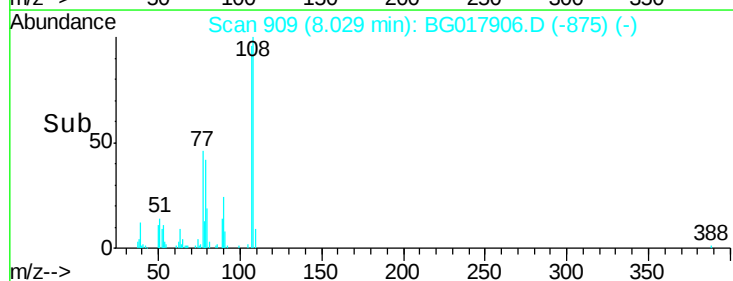
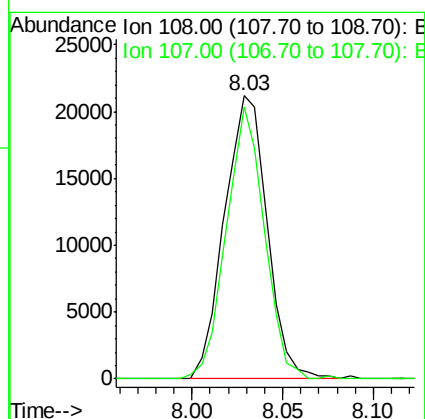
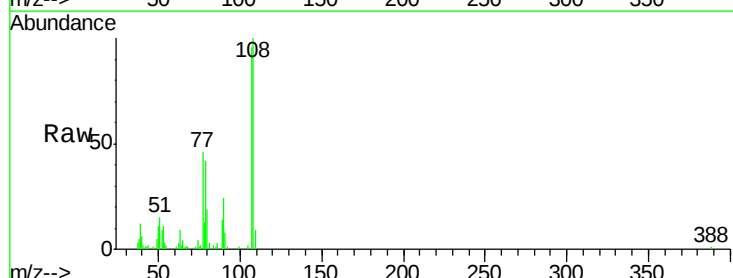
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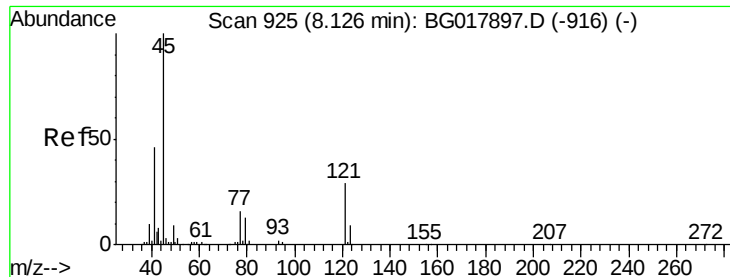
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#11
2-Methylphenol
Concen: 5.55 ng/ul
RT: 8.03 min Scan# 909
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Lower	Upper
108	100		
107	96.1	72.1	108.1





#12

2,2'-oxybis(1-Chloropropane)

Concen: 4.71 ng/ul

RT: 8.13 min Scan# 926

Delta R.T. 0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

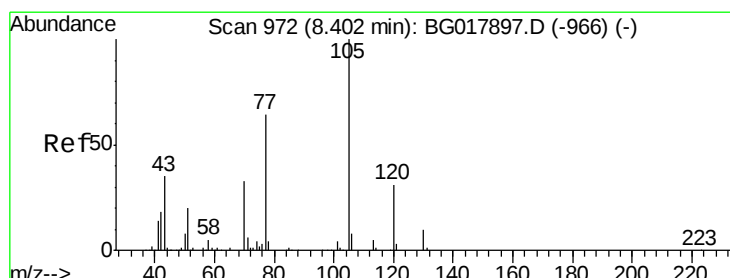
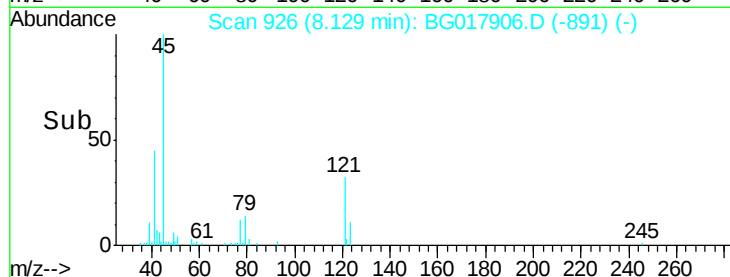
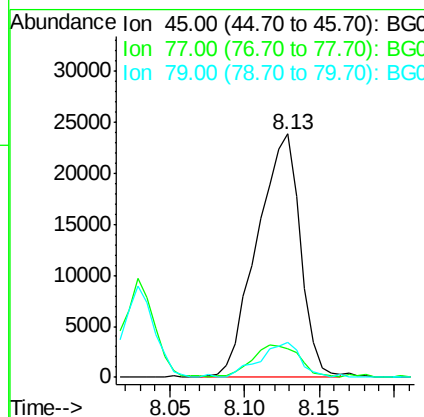
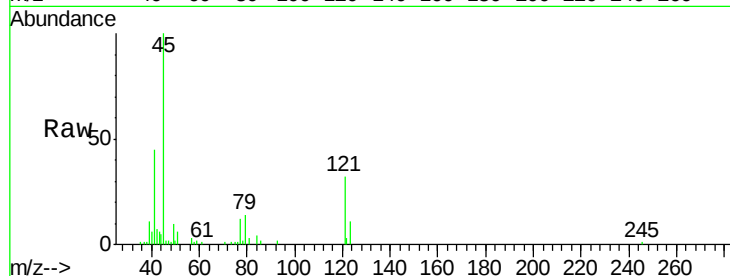
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	45	Resp:	48051
Ion Ratio		Lower	Upper
45	100		
77	11.8	12.6	19.0#
79	14.1	9.3	13.9#

Manual Integrations
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#14

Acetophenone

Concen: 5.95 ng/ul

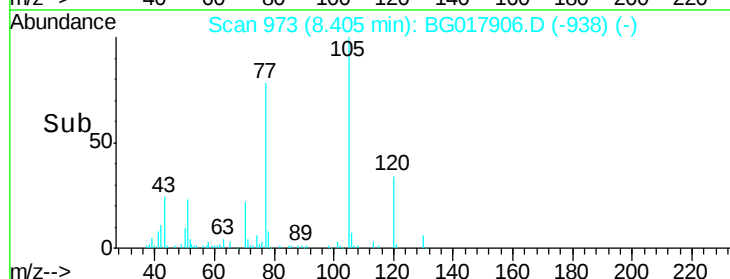
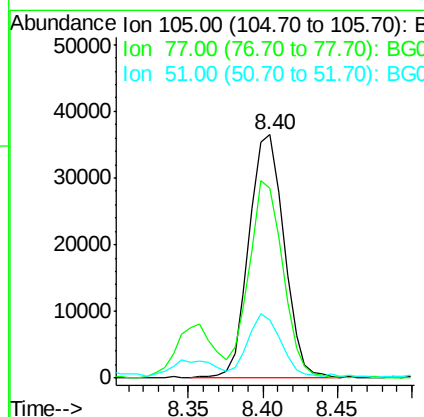
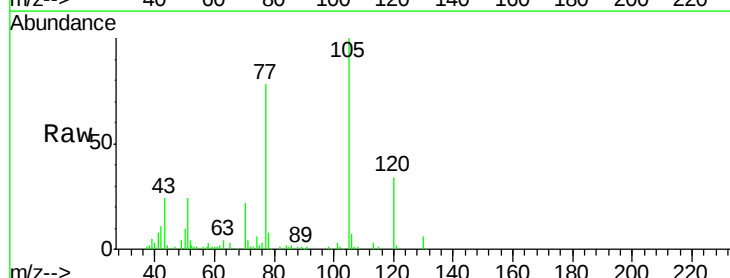
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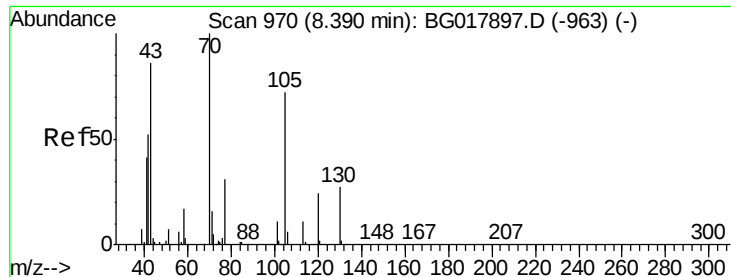
Delta R.T. 0.00 min

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Tgt Ion:	105	Resp:	59492
Ion Ratio		Lower	Upper
105	100		
77	78.1	71.9	107.9
51	23.7	25.0	37.6#





#15

N-Nitroso-di-n-propylamine

Concen: 5.09 ng/ul

RT: 8.39 min Scan# 971

Delta R.T. 0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

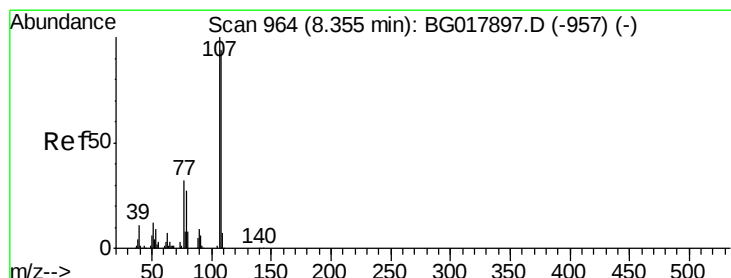
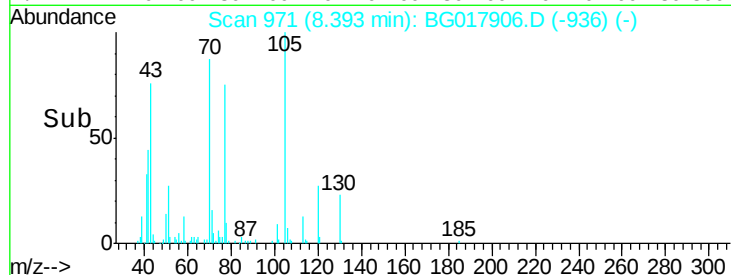
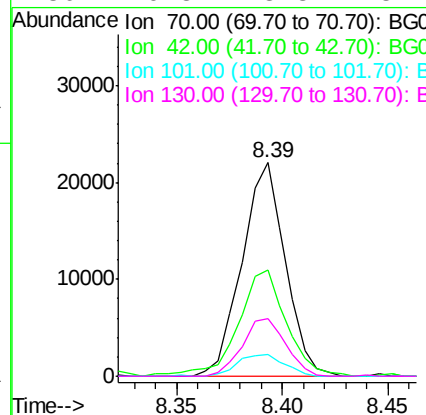
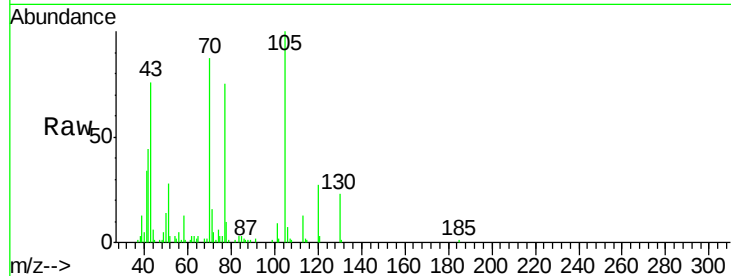
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	70	Resp:	31387
Ion Ratio	Lower	Upper	
70	100		
42	50.0	51.1	76.7#
101	10.3	9.8	14.8
130	26.8	18.8	28.2

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#16

4-Methylphenol

Concen: 5.50 ng/ul

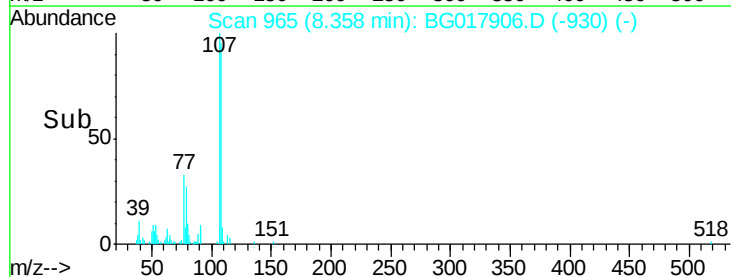
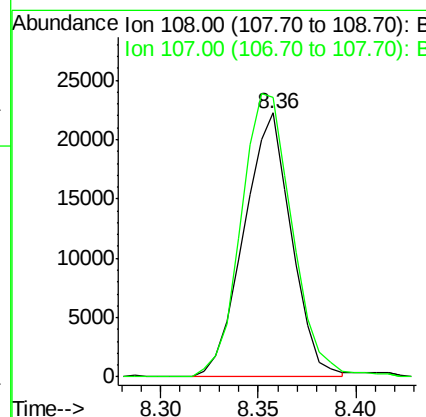
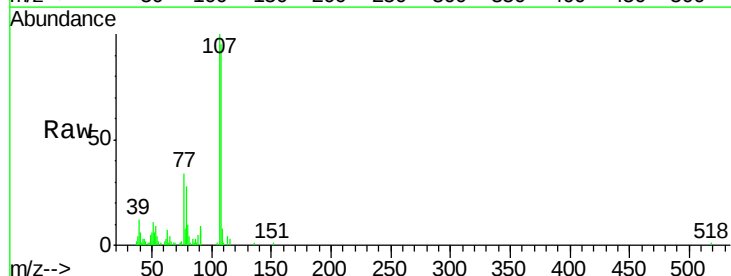
RT: 8.36 min Scan# 965

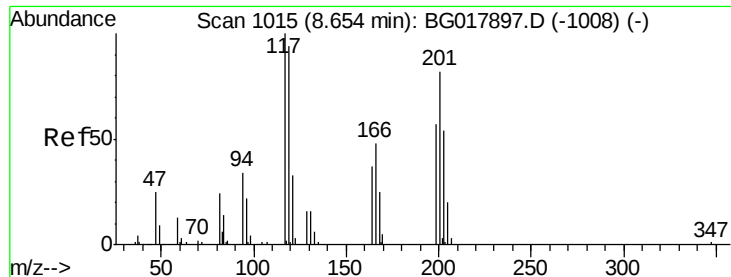
Delta R.T. 0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	108	Resp:	37448
Ion Ratio	Lower	Upper	
108	100		
107	105.7	85.8	128.6





#17

Hexachloroethane

Concen: 5.67 ng/ul

RT: 8.65 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

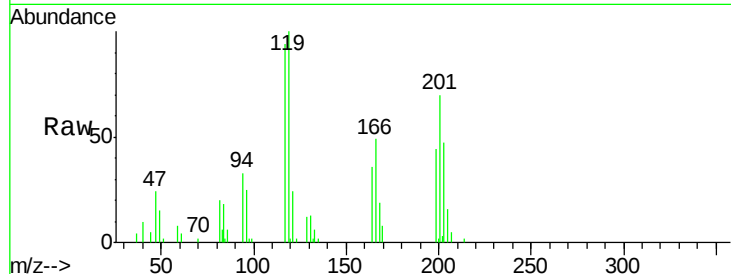
ClientSampleId :

MDL-04-S-ML

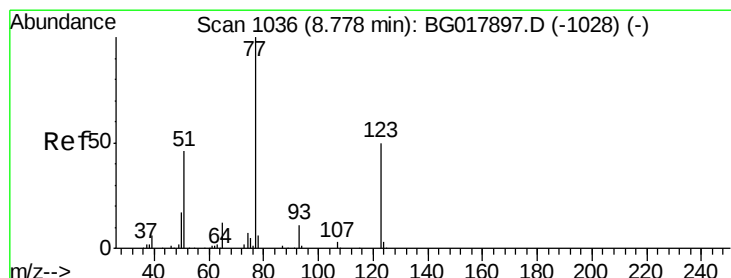
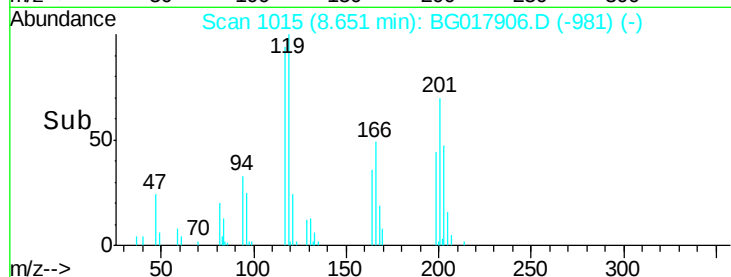
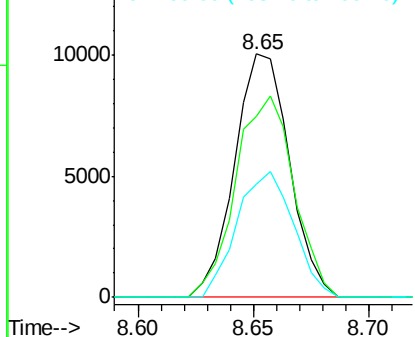
Tgt Ion:	117	Resp:	16655
Ion Ratio	Lower	Upper	
117	100		
201	74.3	57.8	86.8
199	49.0	37.2	55.8

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Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 5.04 ng/ul

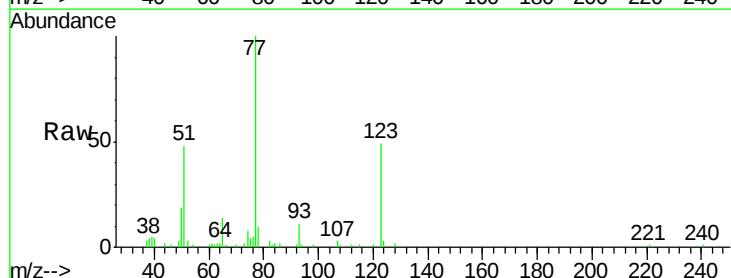
RT: 8.77 min Scan# 1036

Delta R.T. -0.00 min

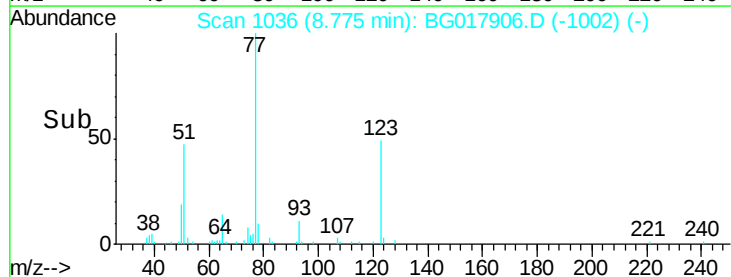
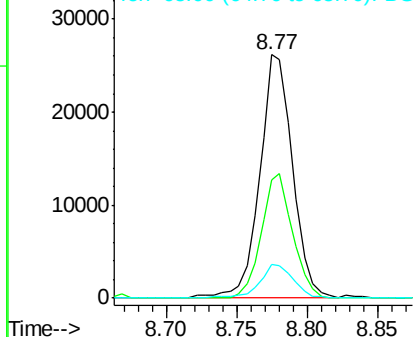
Lab File: BG017906.D

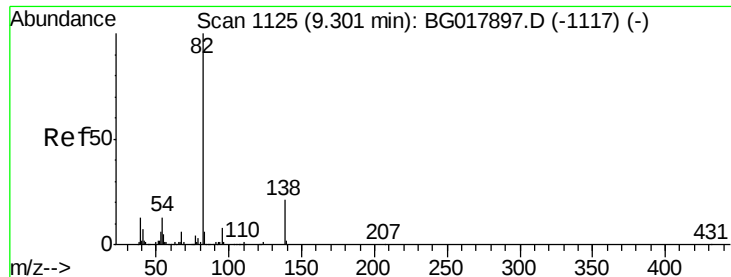
Acq: 16 Jul 2015 5:25

Tgt Ion:	77	Resp:	42776
Ion Ratio	Lower	Upper	
77	100		
123	48.5	32.0	48.0#
65	13.9	11.3	16.9



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 5.28 ng/ul

RT: 9.30 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

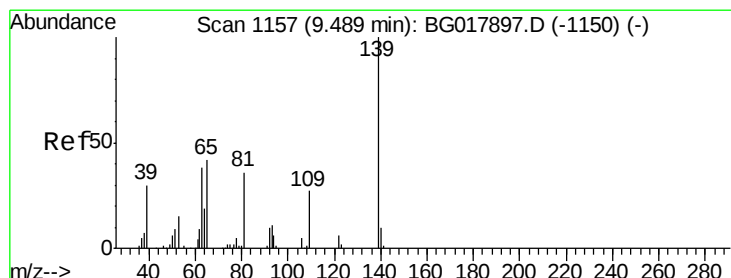
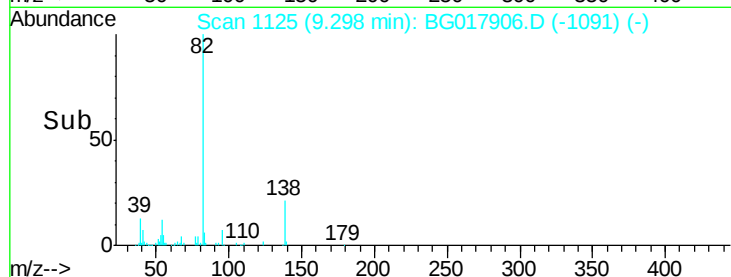
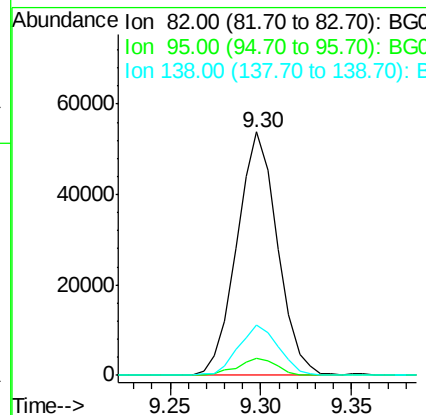
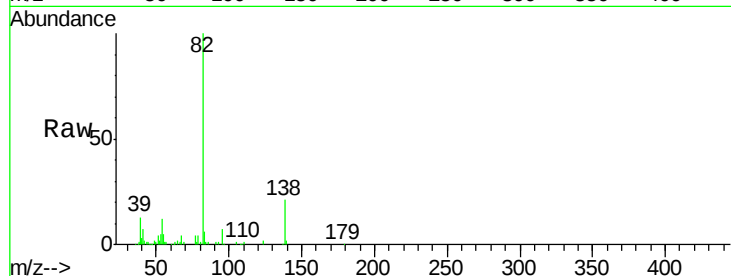
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	82	Resp:	83828
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.9	8.9
138	20.7	14.7	22.1

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#23

2-Nitrophenol

Concen: 6.86 ng/ul

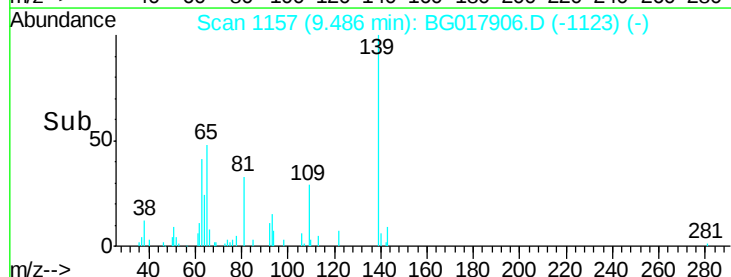
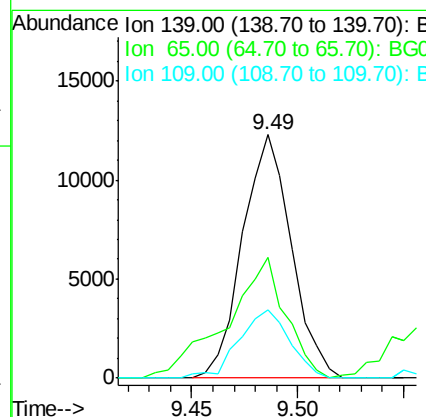
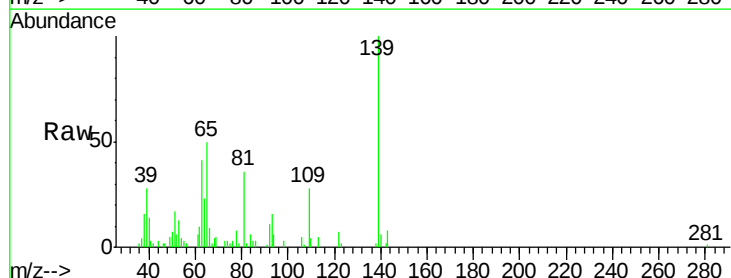
RT: 9.49 min Scan# 1157

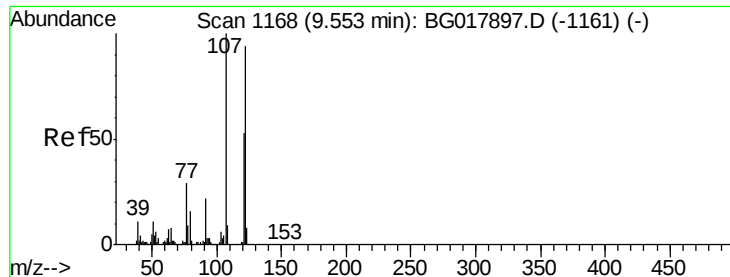
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	139	Resp:	19677
Ion Ratio	Lower	Upper	
139	100		
65	49.6	46.1	69.1
109	28.1	24.1	36.1





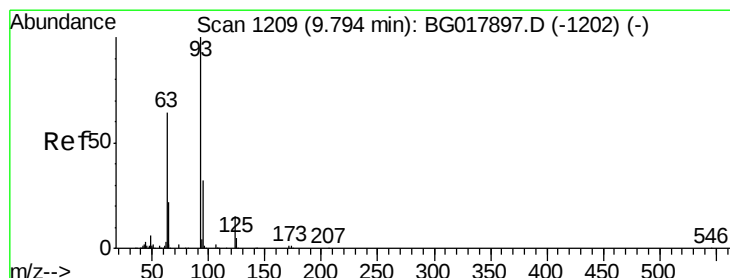
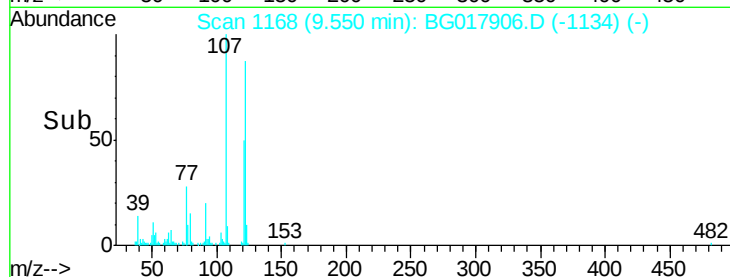
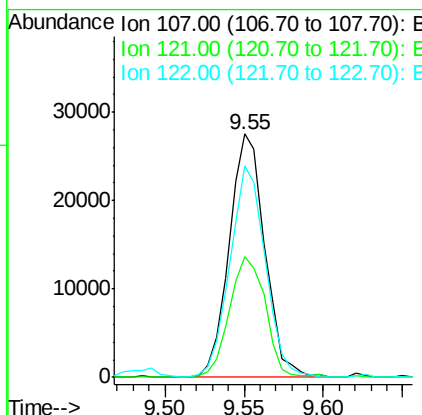
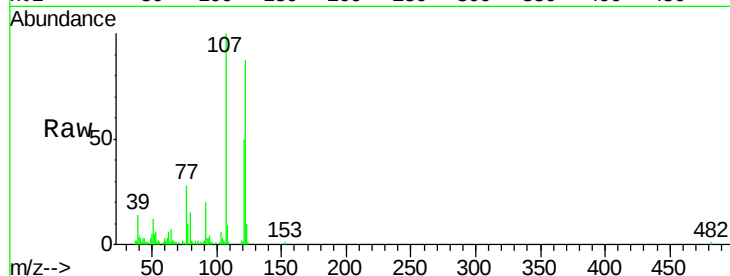
#24
 2,4-Dimethylphenol
 Concen: 5.83 ng/ul
 RT: 9.55 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	42776		
121	49.8	38.3	57.5	
122	87.0	66.6	100.0	

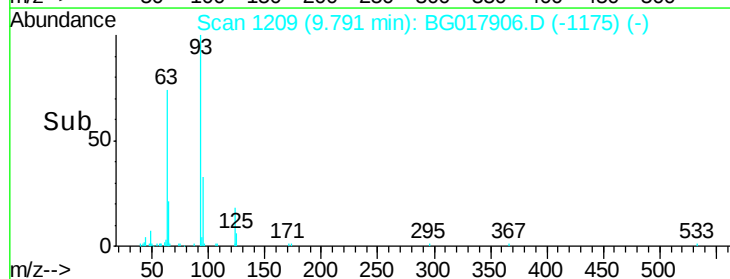
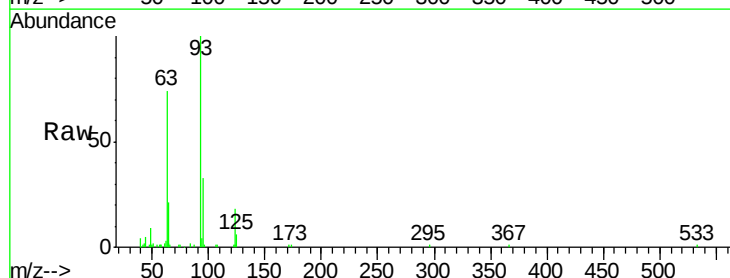
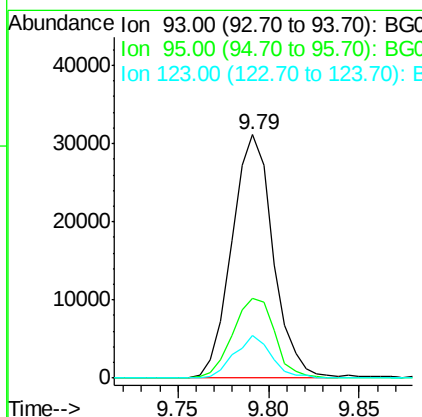
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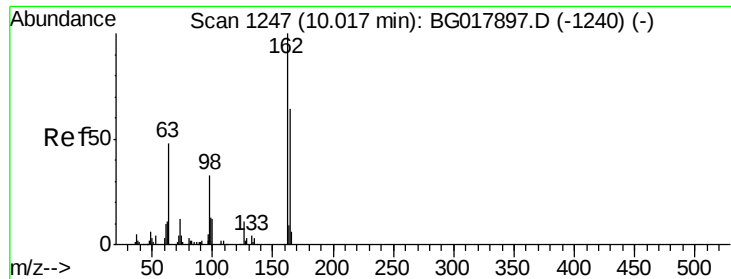
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#25
 Bis(2-Chloroethoxy)methane
 Concen: 5.52 ng/ul
 RT: 9.79 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	49229		
95	33.0	26.0	39.0	
123	17.5	12.0	18.0	





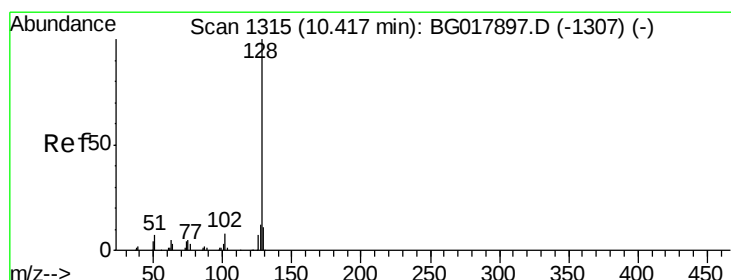
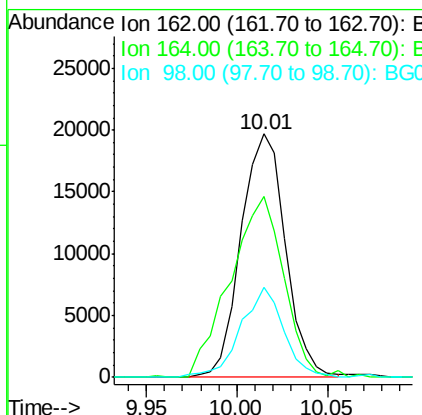
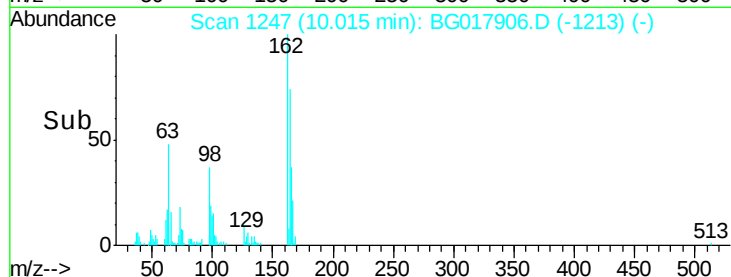
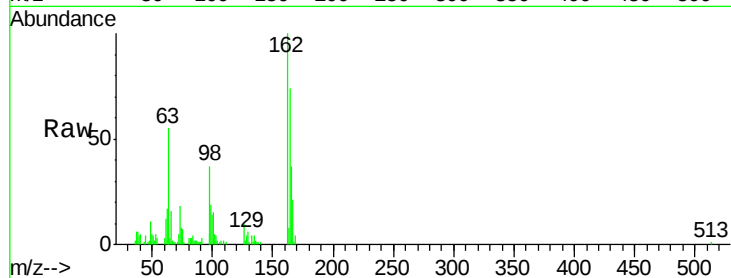
#27
 2,4-Dichlorophenol
 Concen: 6.71 ng/ul
 RT: 10.01 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	33547		
164	74.1	51.0	76.6	
98	36.8	32.7	49.1	

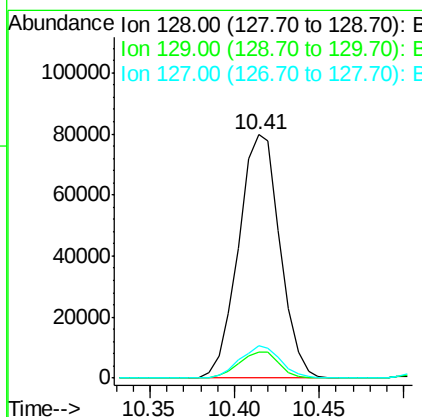
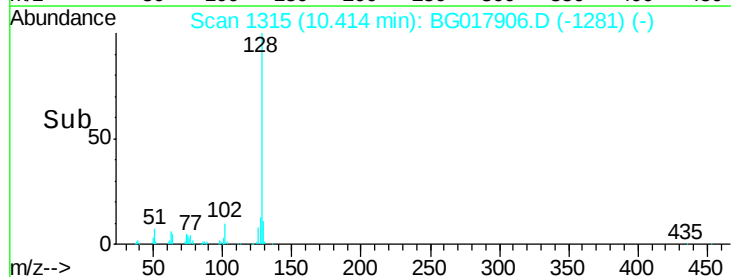
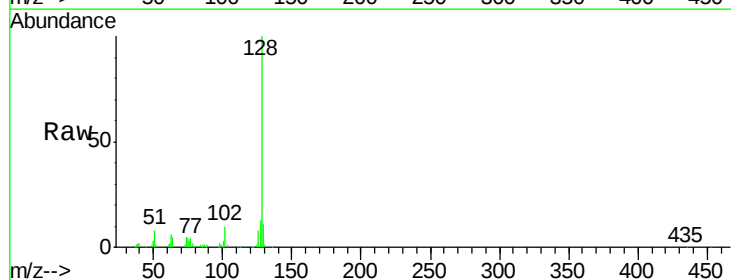
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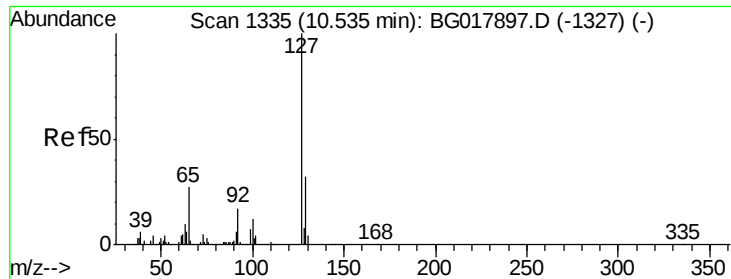
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#28
 Naphthalene
 Concen: 6.37 ng/ul
 RT: 10.41 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	135850		
129	10.7	9.1	13.7	
127	13.4	11.0	16.6	





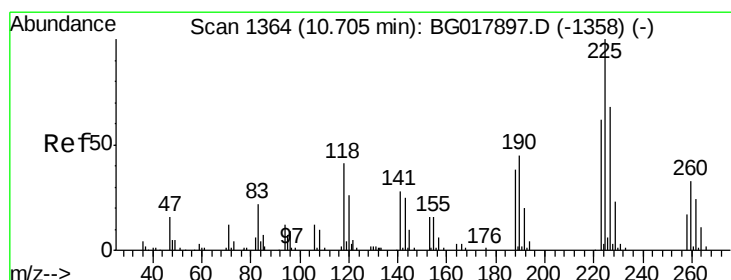
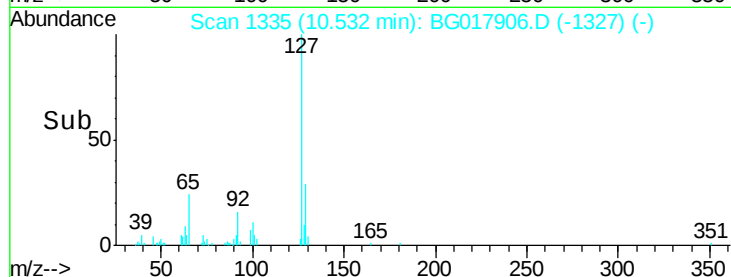
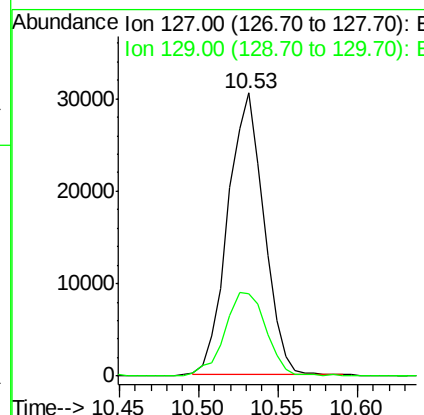
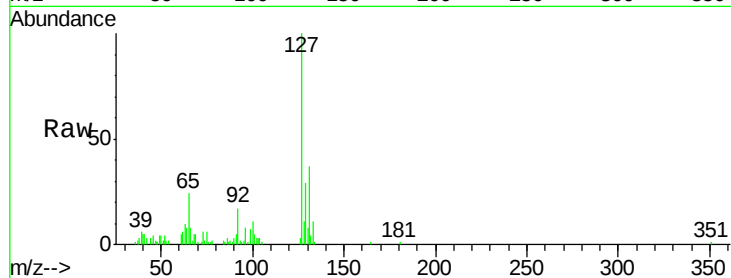
#30
4-Chloroaniline
Concen: 6.46 ng/ul
RT: 10.53 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	47886		
129	29.1	26.0	39.0	

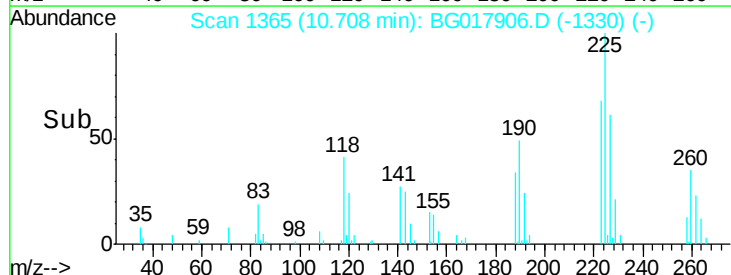
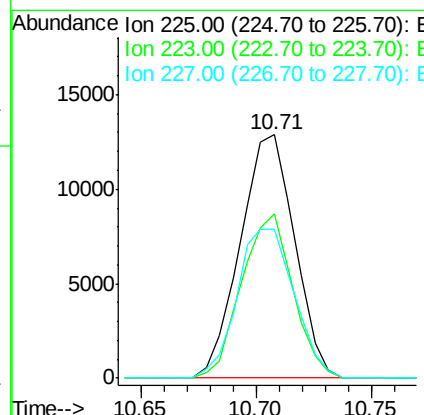
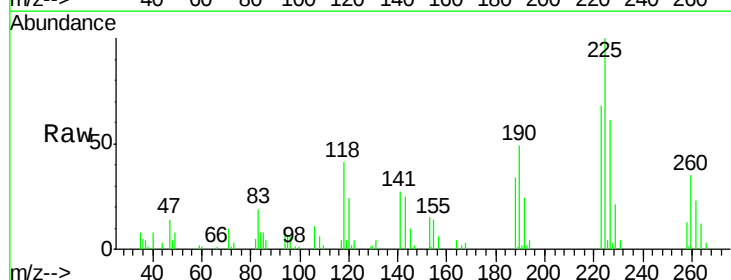
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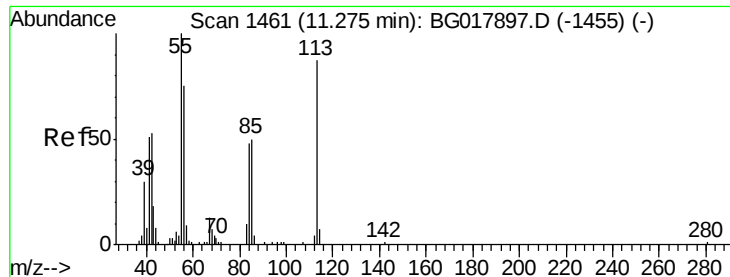
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#31
Hexachlorobutadiene
Concen: 6.72 ng/ul
RT: 10.71 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21175		
223	67.6	48.6	73.0	
227	61.3	46.1	69.1	





#32

Caprolactam

Concen: 3.78 ng/ul m

RT: 11.31 min Scan# 1468

Delta R.T. 0.04 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

ClientSampleId :

MDL-04-S-ML

Tgt Ion:113 Resp: 13846

Ion Ratio Lower Upper

113 100

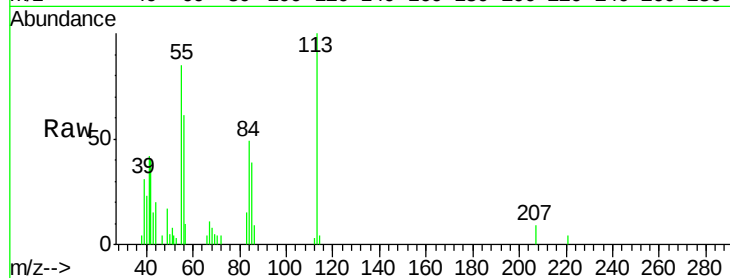
55 85.0 118.2 177.2#

56 60.9 89.8 134.6#

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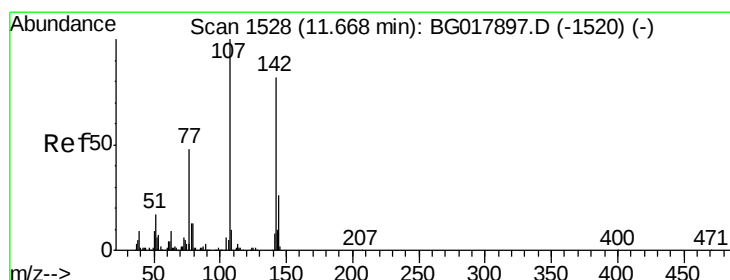
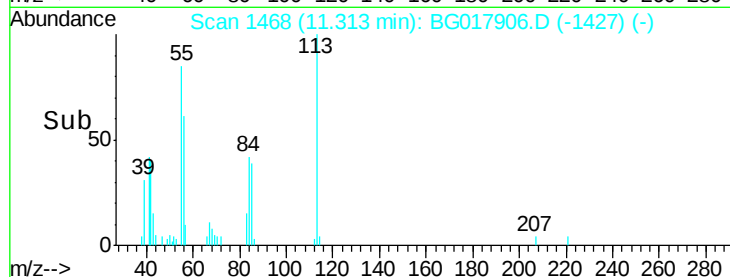
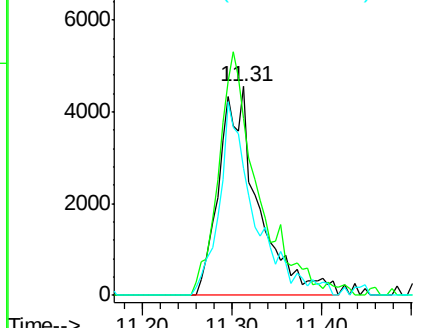
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG017897.D

Ion 56.00 (55.70 to 56.70): BG017897.D



#33

4-Chloro-3-methylphenol

Concen: 5.69 ng/ul

RT: 11.66 min Scan# 1527

Delta R.T. -0.01 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:107 Resp: 34873

Ion Ratio Lower Upper

107 100

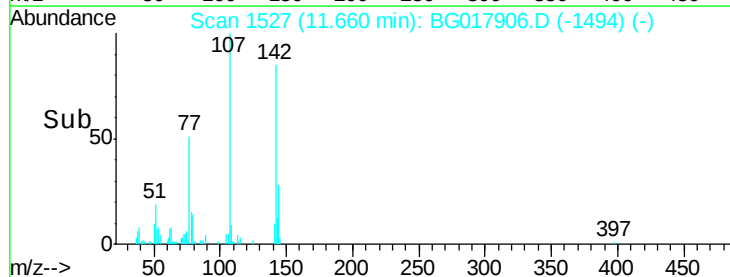
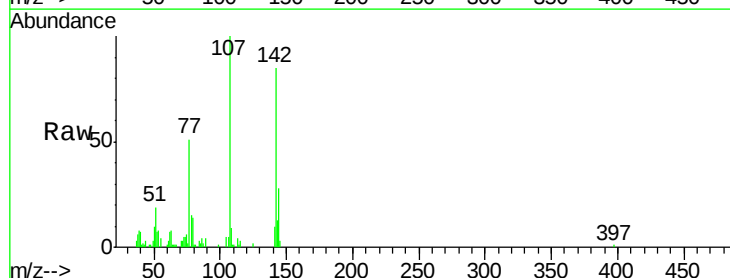
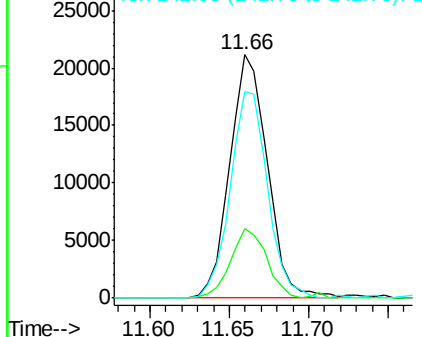
144 28.4 16.6 24.8#

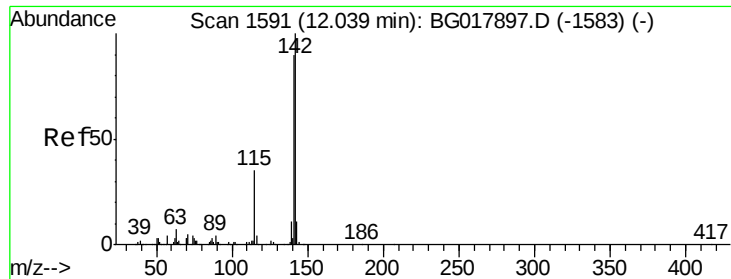
142 85.0 59.8 89.6

Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





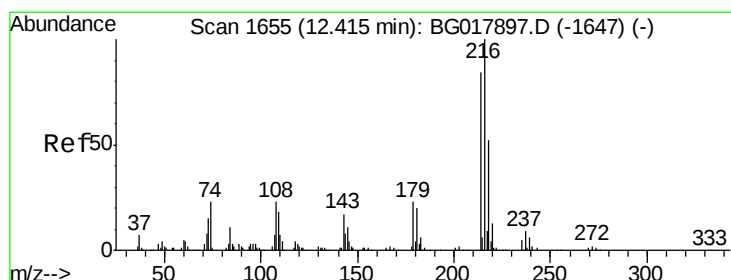
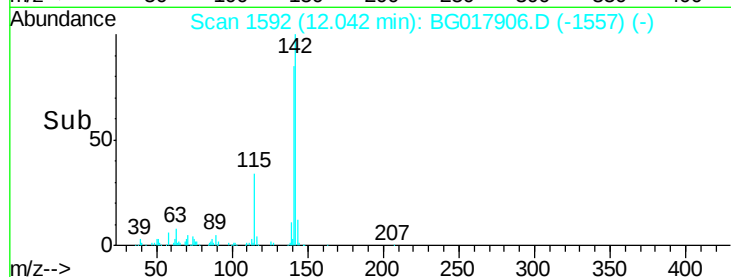
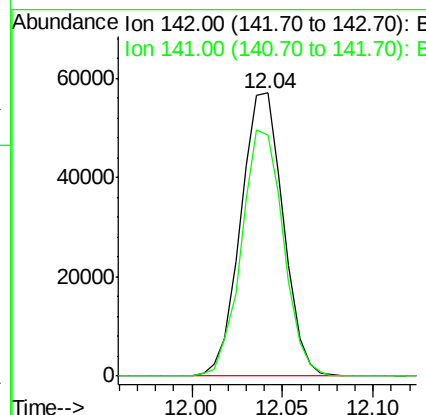
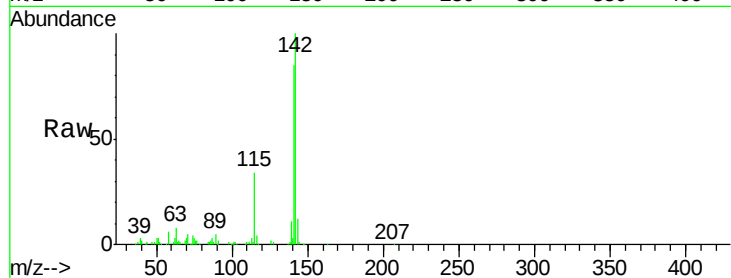
#34
 2-Methylnaphthalene
 Concen: 6.44 ng/ul
 RT: 12.04 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.1	72.6	108.8

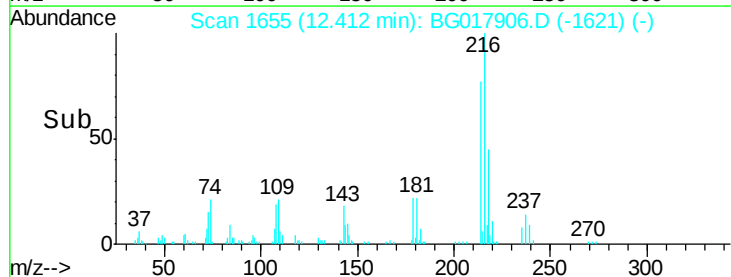
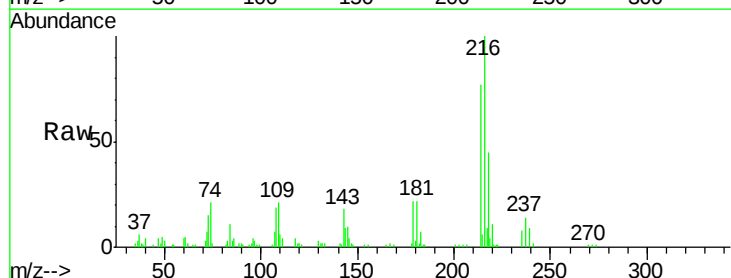
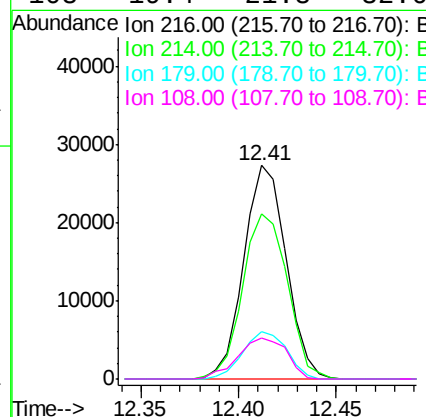
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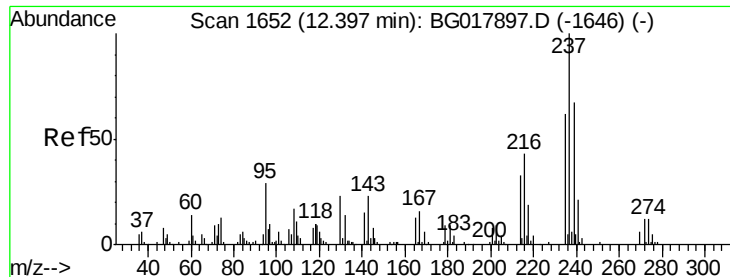
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#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 6.50 ng/ul
 RT: 12.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.4	68.2	102.2
179	22.2	17.2	25.8
108	19.4	21.8	32.6#





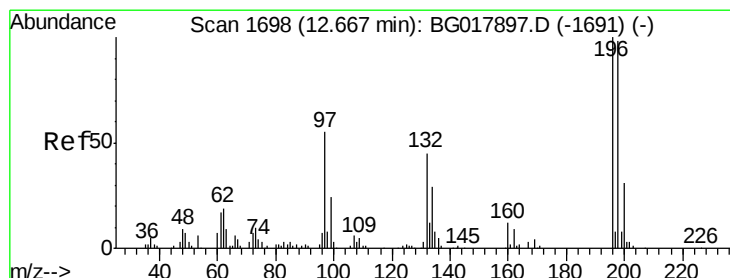
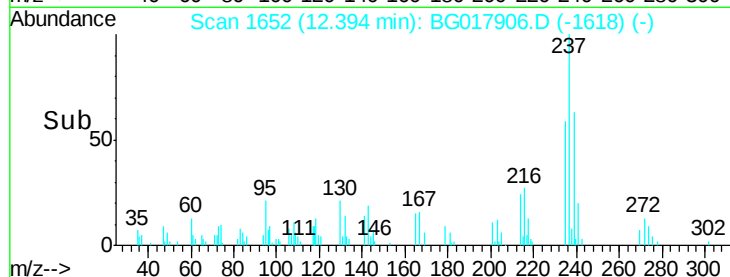
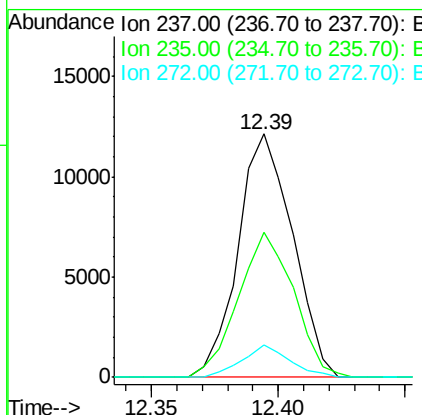
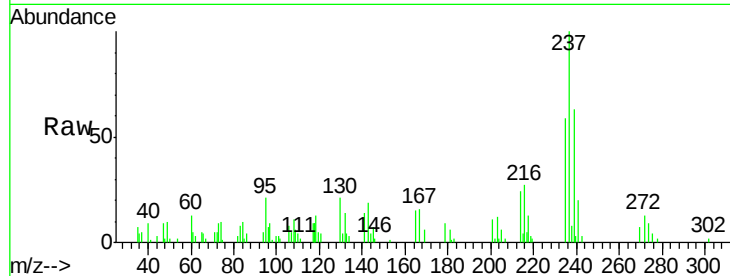
#37
Hexachlorocyclopentadiene
Concen: 5.53 ng/ul
RT: 12.39 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

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

Tgt Ion:	237	Resp:	18192
Ion Ratio	Lower	Upper	
237	100		
235	59.5	52.4	78.6
272	13.1	9.1	13.7

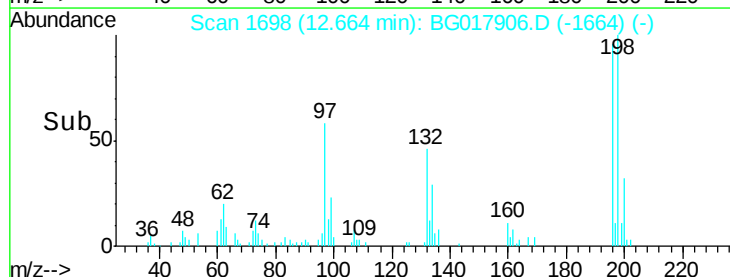
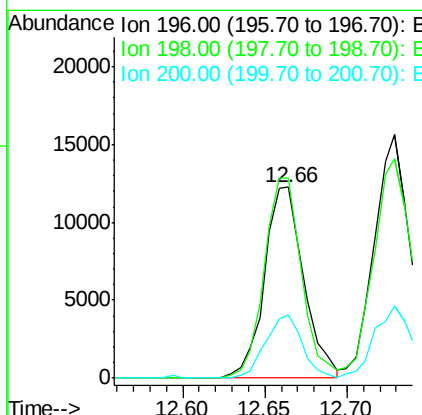
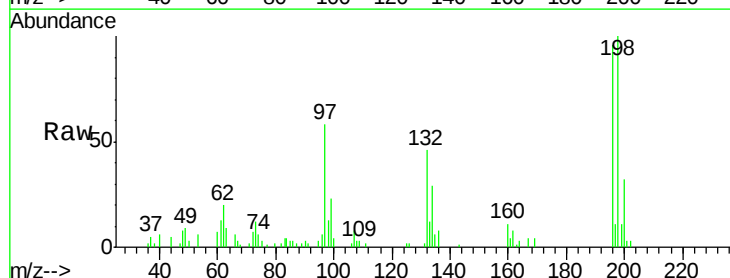
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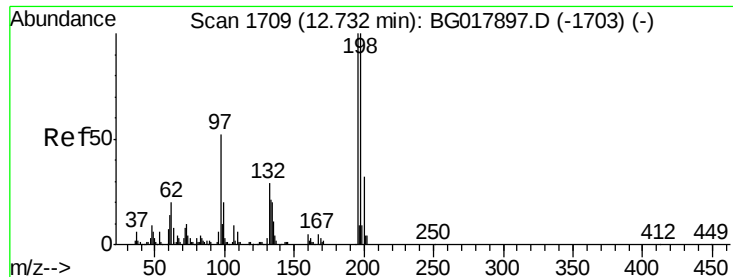
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#38
2,4,6-Trichlorophenol
Concen: 5.98 ng/ul m
RT: 12.66 min Scan# 1698
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

Tgt Ion:	196	Resp:	20538
Ion Ratio	Lower	Upper	
196	100		
198	104.6	69.0	103.4#
200	33.1	22.2	33.4





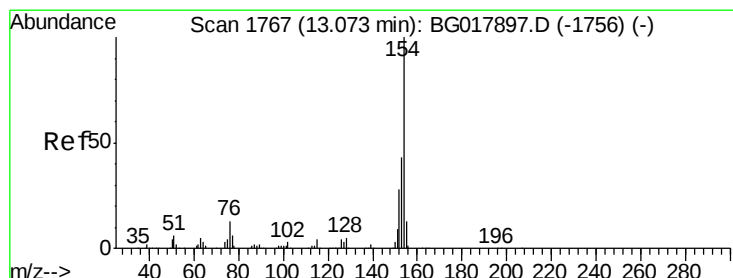
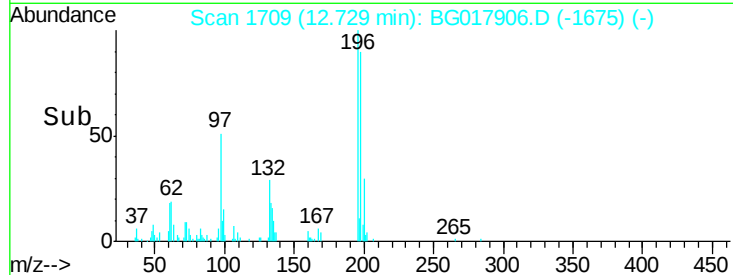
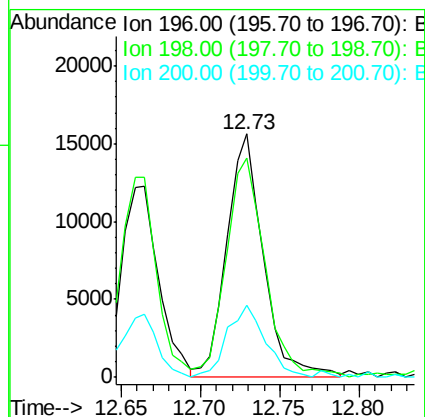
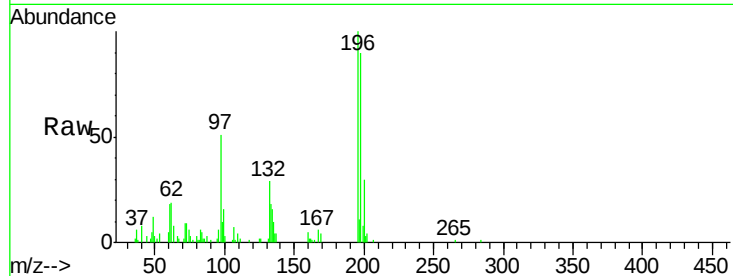
#39
 2,4,5-Trichlorophenol
 Concen: 6.68 ng/ul
 RT: 12.73 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	25022		
198	89.9	76.3	114.5	
200	29.6	25.4	38.0	

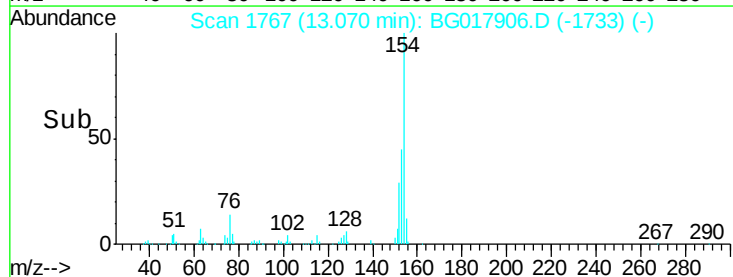
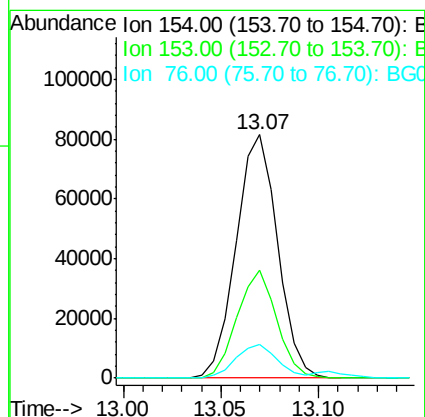
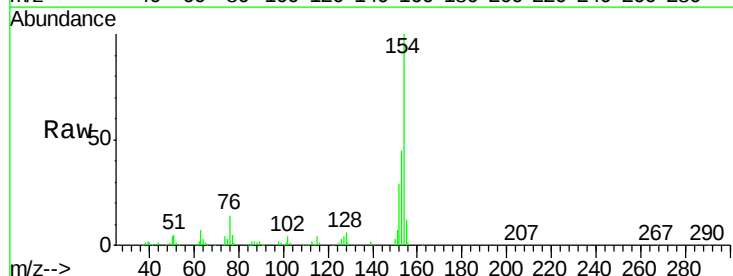
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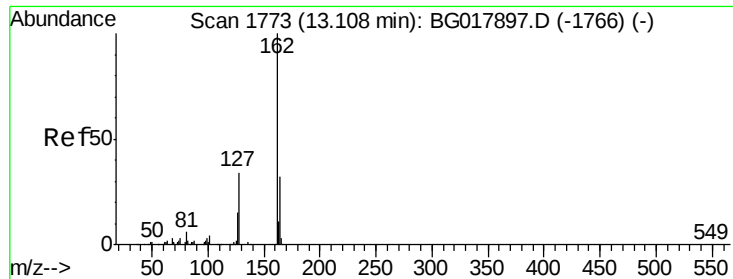
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#40
 1,1'-Biphenyl
 Concen: 6.43 ng/ul
 RT: 13.07 min Scan# 1767
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	119726		
153	44.5	35.0	52.6	
76	13.6	14.0	21.0	





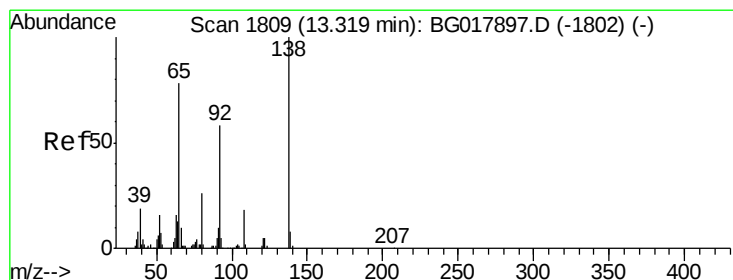
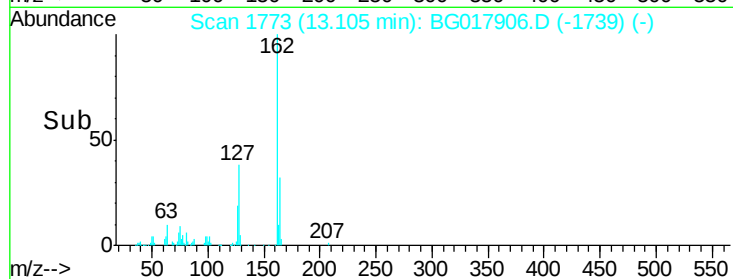
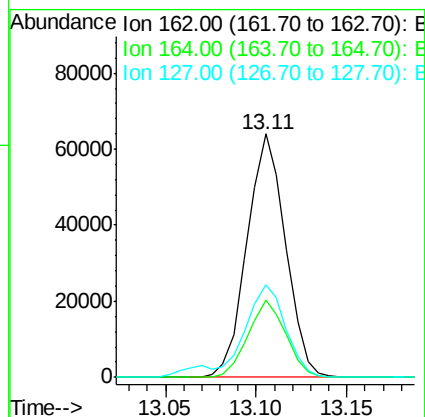
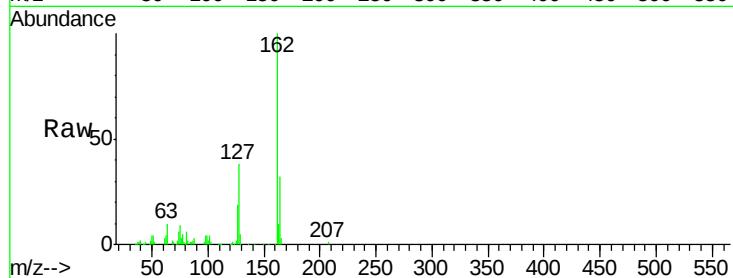
#41
 2-Chloronaphthalene
 Concen: 6.59 ng/ul
 RT: 13.11 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Lower	Upper
162	100		
164	31.8	22.9	34.3
127	38.1	32.7	49.1

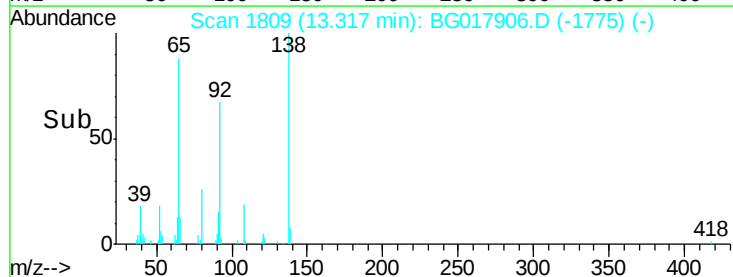
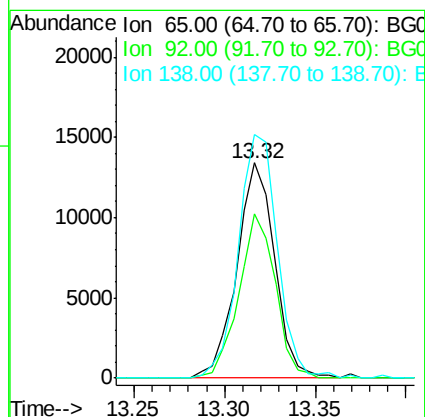
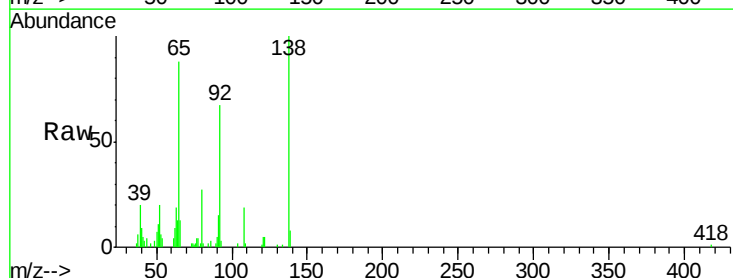
Manual Integrations
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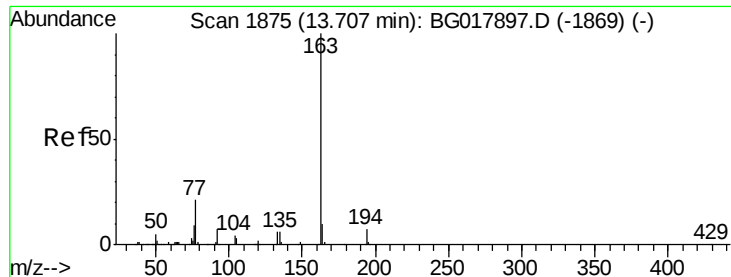
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#42
 2-Nitroaniline
 Concen: 4.64 ng/ul
 RT: 13.32 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.0	53.7	80.5
138	113.1	81.8	122.8





#44

Dimethylphthalate

Concen: 6.95 ng/ul

RT: 13.70 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

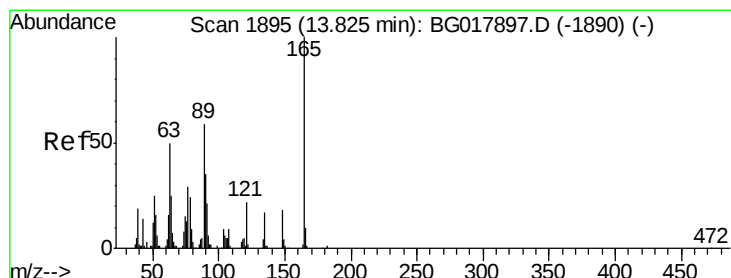
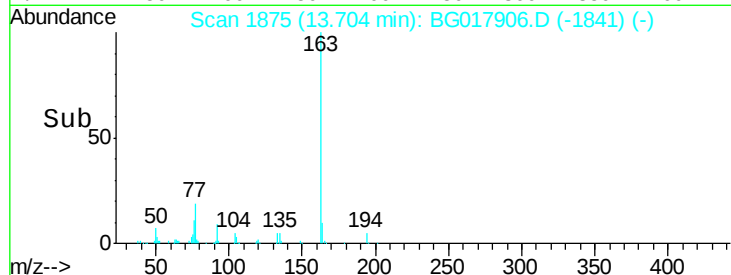
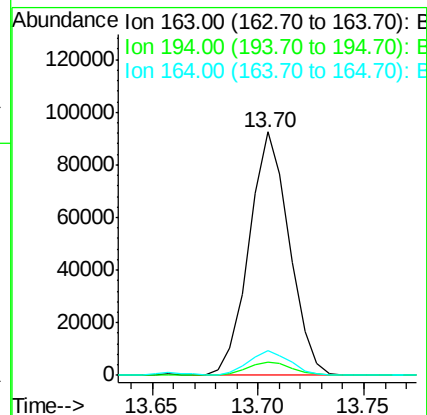
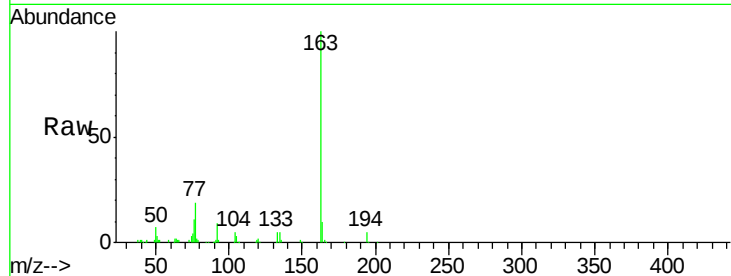
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	163	Resp:	122429
Ion Ratio		Lower	Upper
163	100		
194	5.4	5.4	8.0#
164	10.1	8.0	12.0

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#45

2,6-Dinitrotoluene

Concen: 5.93 ng/ul

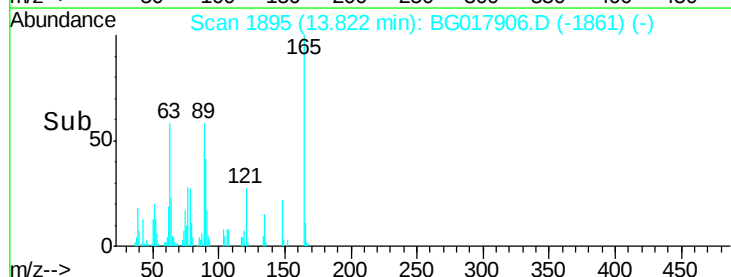
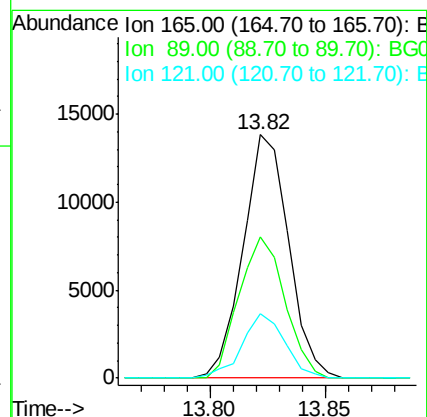
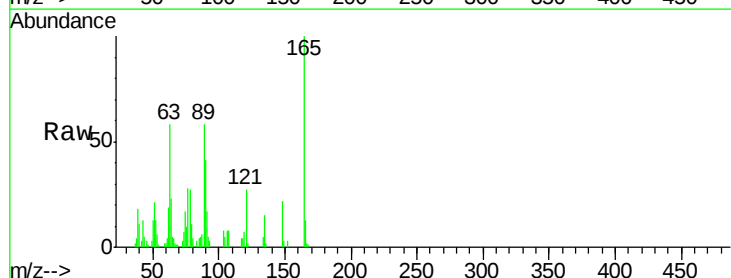
RT: 13.82 min Scan# 1895

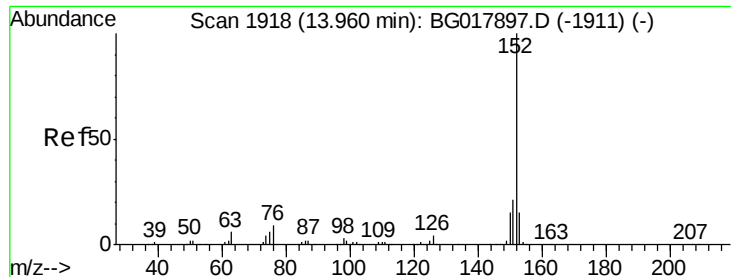
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	165	Resp:	19048
Ion Ratio		Lower	Upper
165	100		
89	57.9	55.4	83.2
121	26.5	20.6	30.8





#47

Acenaphthylene

Concen: 6.52 ng/ul

RT: 13.96 min Scan# 1918

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

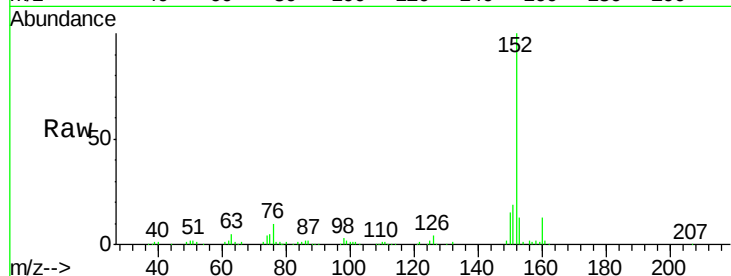
ClientSampled :

MDL-04-S-ML

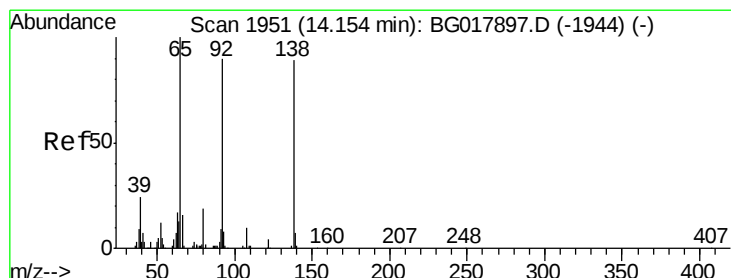
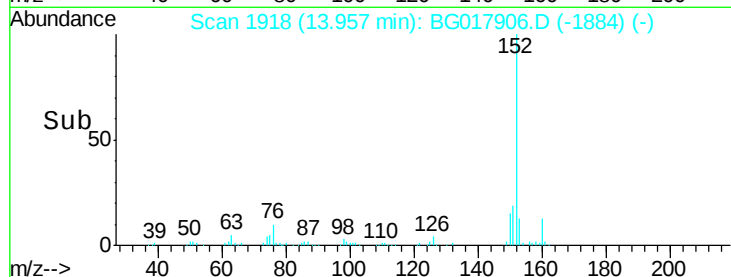
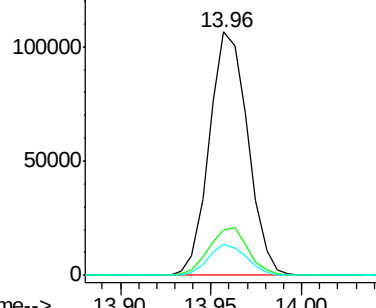
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	157095		
151	18.7	16.3	24.5	
153	12.6	10.7	16.1	

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#48

3-Nitroaniline

Concen: 5.60 ng/ul

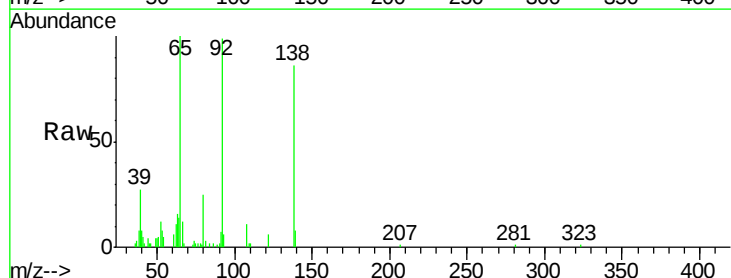
RT: 14.15 min Scan# 1951

Delta R.T. -0.00 min

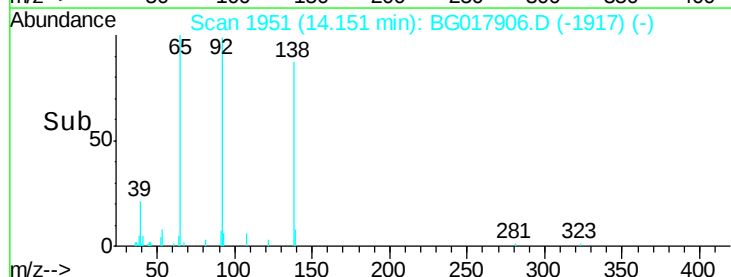
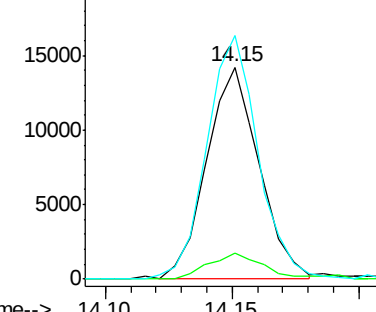
Lab File: BG017906.D

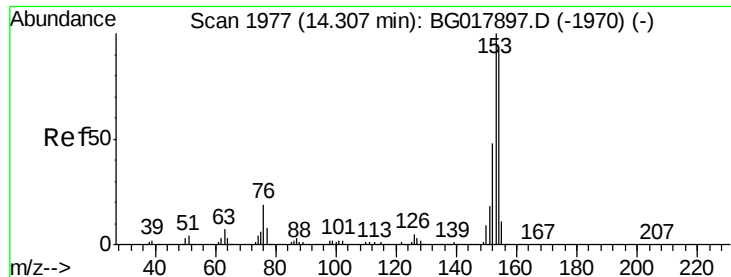
Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	20496		
108	12.5	8.7	13.1	
92	114.8	84.3	126.5	



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BG





#49

Acenaphthene

Concen: 6.26 ng/ul

RT: 14.30 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

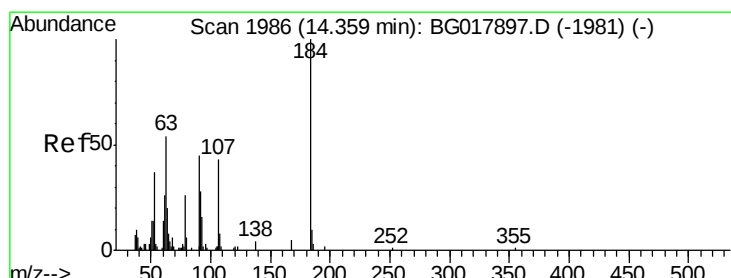
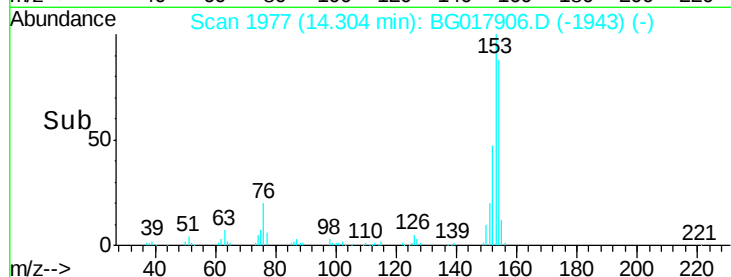
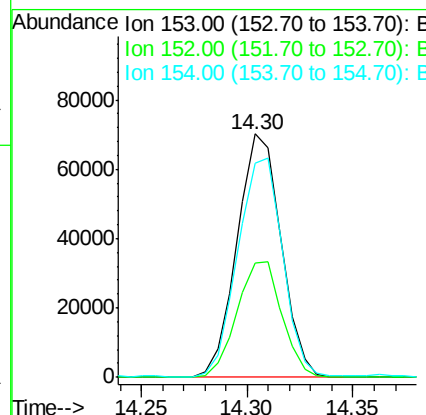
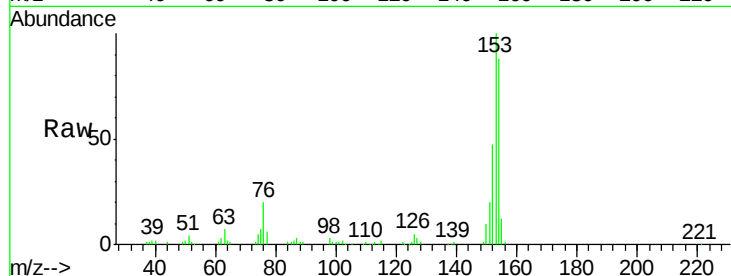
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	153	Resp:	101521
Ion Ratio		Lower	Upper
153	100		
152	46.8	37.8	56.6
154	88.0	71.0	106.4

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#50

2,4-Dinitrophenol

Concen: 1.55 ng/ul

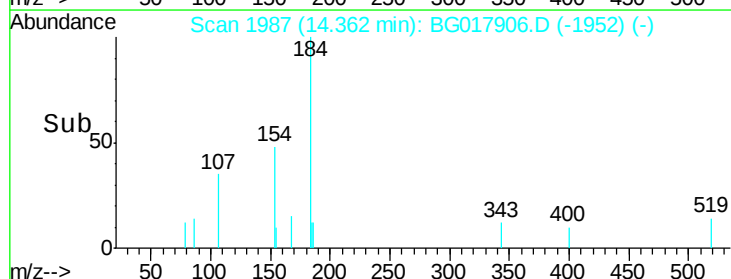
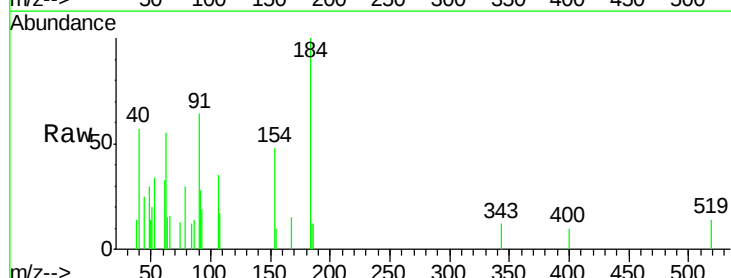
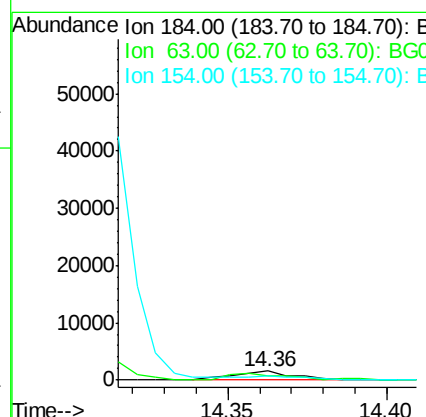
RT: 14.36 min Scan# 1987

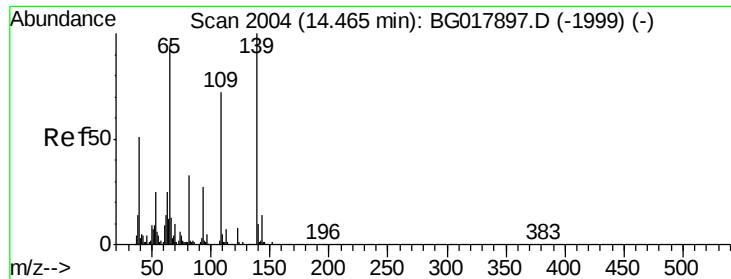
Delta R.T. 0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	184	Resp:	2094
Ion Ratio		Lower	Upper
184	100		
63	54.6	60.3	90.5#
154	48.1	48.7	73.1#





#52

4-Nitrophenol

Concen: 5.08 ng/ul

RT: 14.46 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BG017906.D

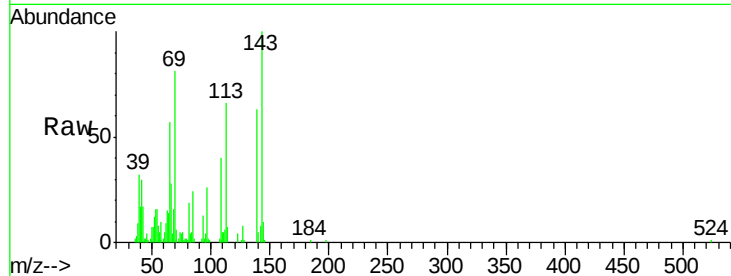
Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

ClientSampleId :

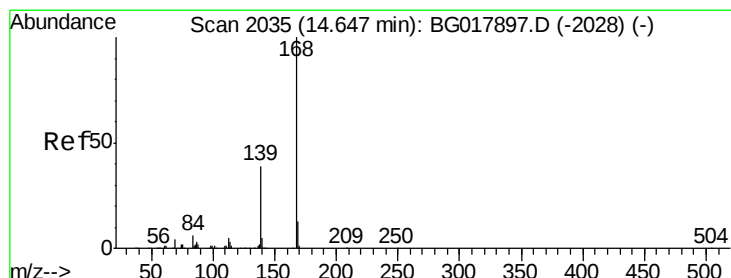
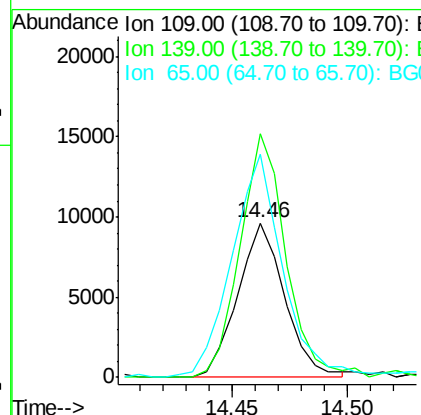
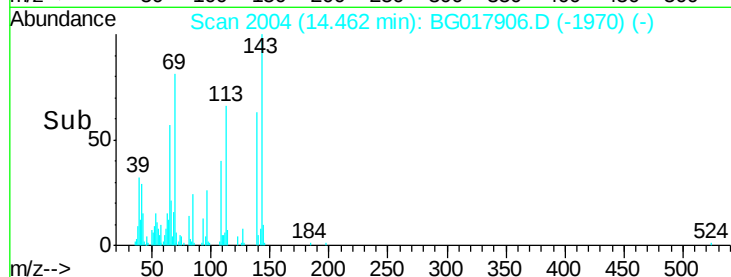
MDL-04-S-ML



Tgt Ion:	109	Resp:	13629
Ion Ratio	Lower	Upper	
109	100		
139	157.5	96.9	145.3#
65	144.1	121.1	181.7

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#53

Dibenzofuran

Concen: 6.61 ng/ul

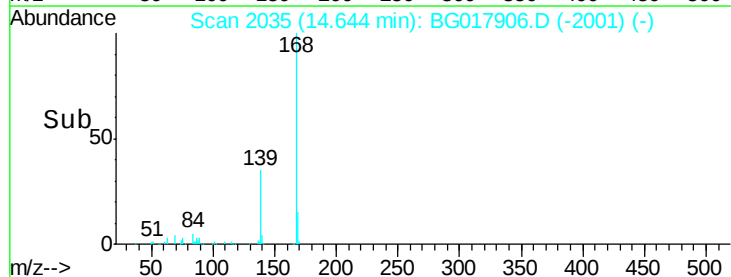
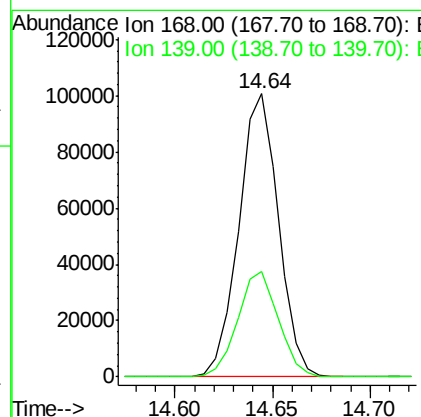
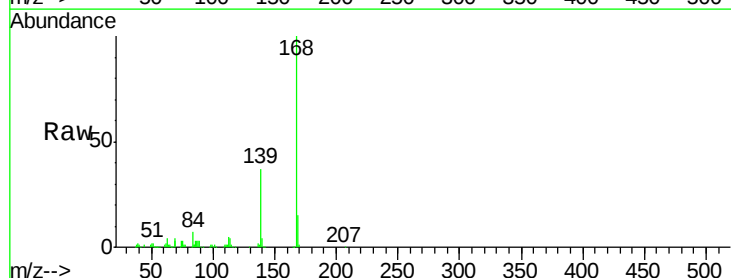
RT: 14.64 min Scan# 2035

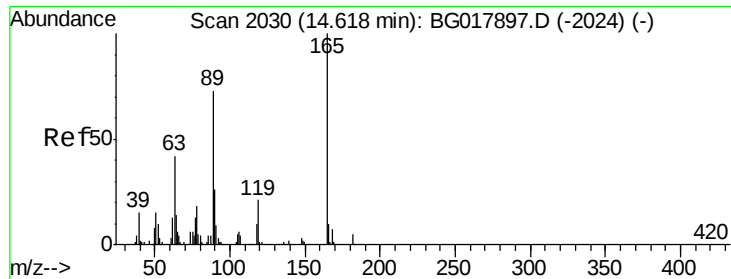
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	168	Resp:	141178
Ion Ratio	Lower	Upper	
168	100		
139	37.1	33.6	50.4





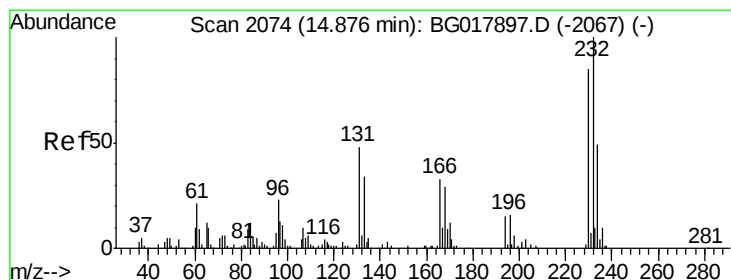
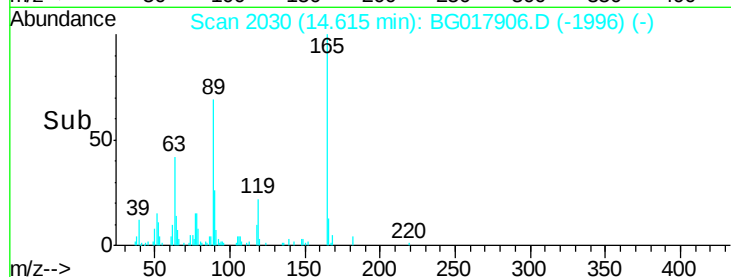
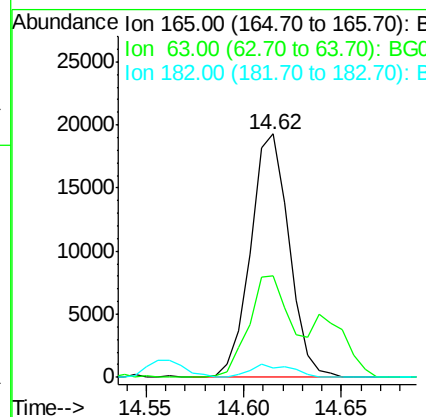
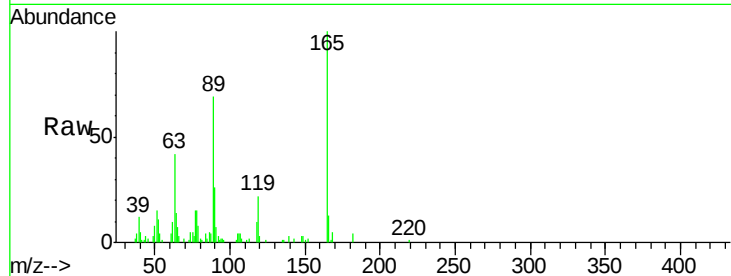
#54
 2,4-Dinitrotoluene
 Concen: 5.73 ng/ul
 RT: 14.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	26381		
63	41.9	48.0	72.0#	
182	3.8	3.7	5.5	

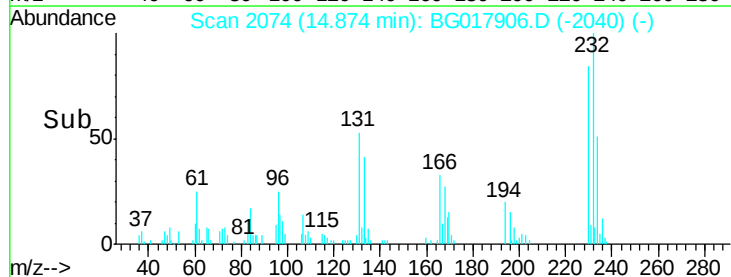
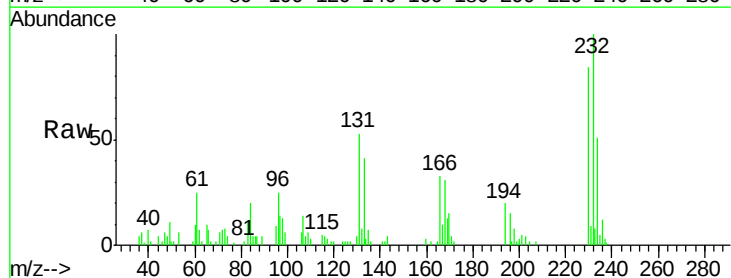
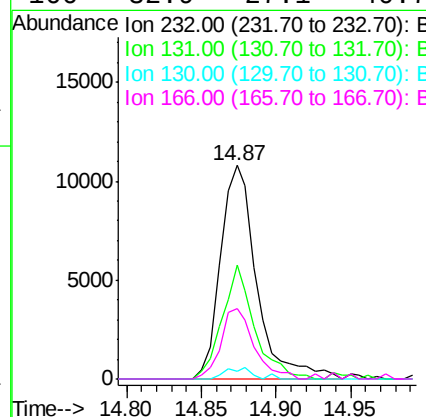
Manual Integrations
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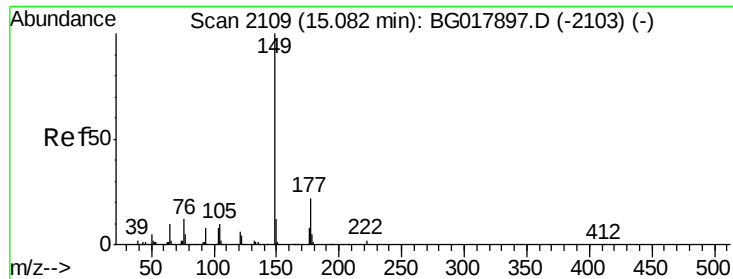
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#55
 2,3,4,6-Tetrachlorophenol
 Concen: 6.33 ng/ul
 RT: 14.87 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	18291		
131	53.3	50.1	75.1	
130	3.7	2.4	3.6#	
166	32.9	27.1	40.7	





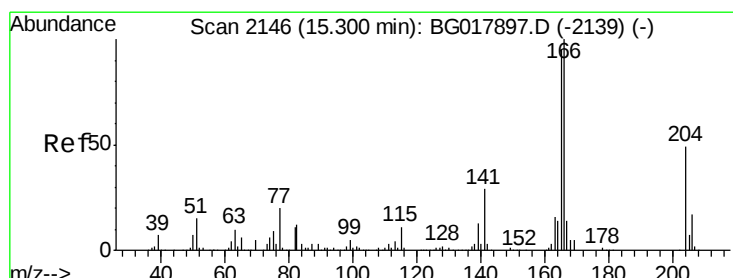
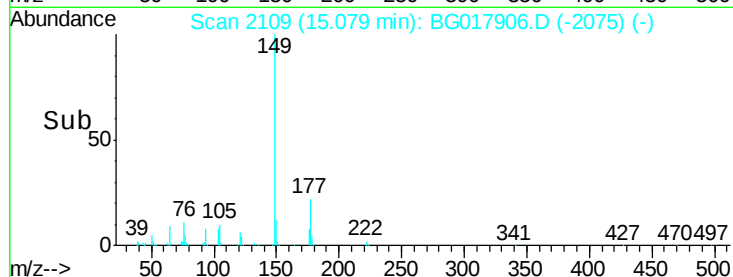
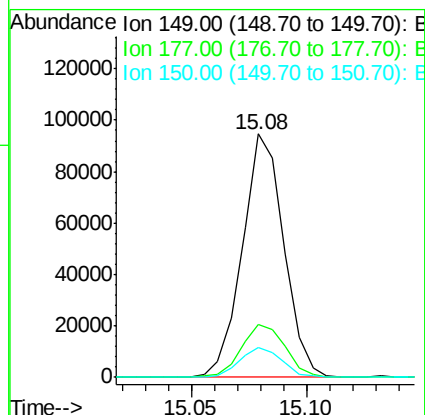
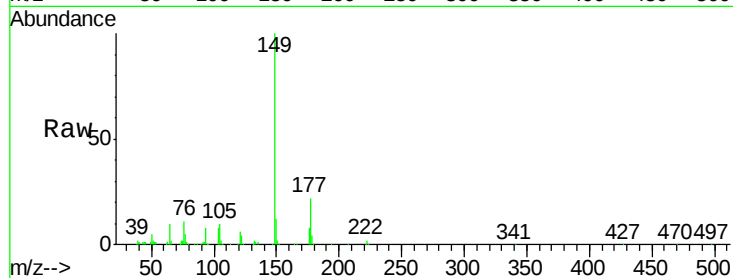
#56
Diethylphthalate
Concen: 6.54 ng/ul
RT: 15.08 min Scan# 2109
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	21.9	17.5	26.3
150	12.1	10.2	15.4

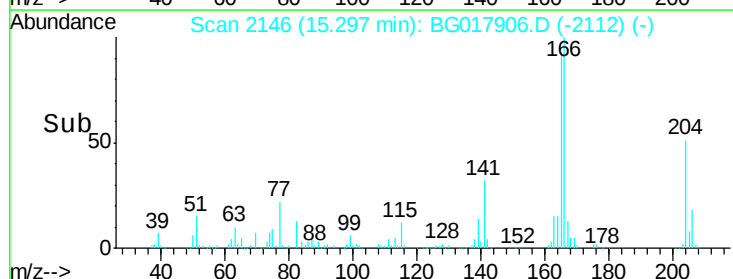
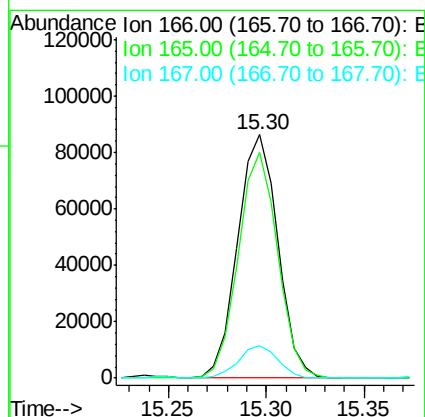
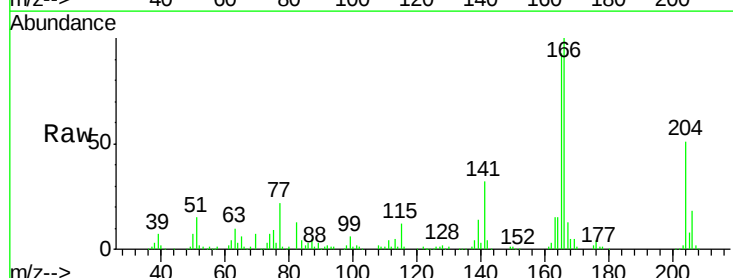
Manual Integrations
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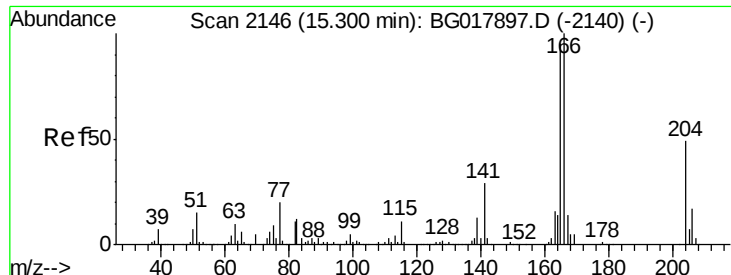
apatel
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#58
Fluorene
Concen: 6.62 ng/ul
RT: 15.30 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	92.7	73.3	109.9
167	13.1	11.0	16.4





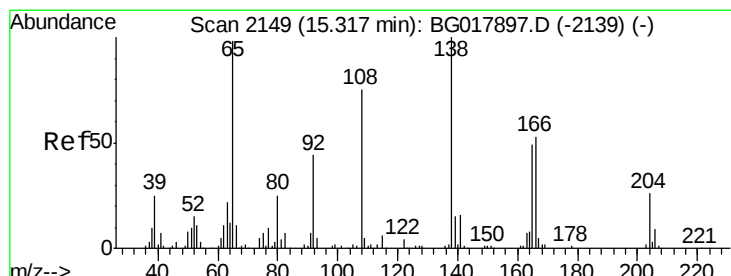
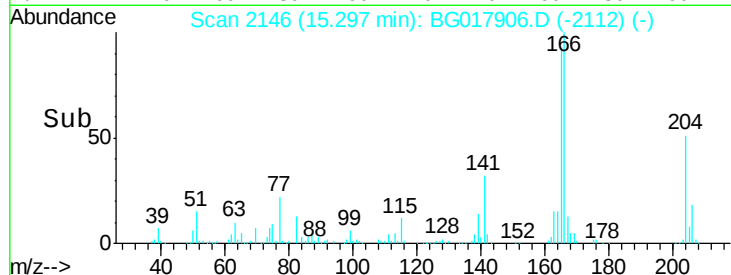
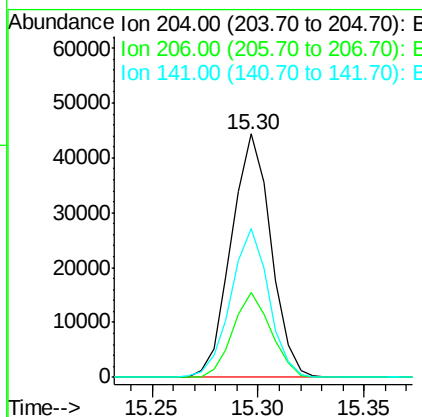
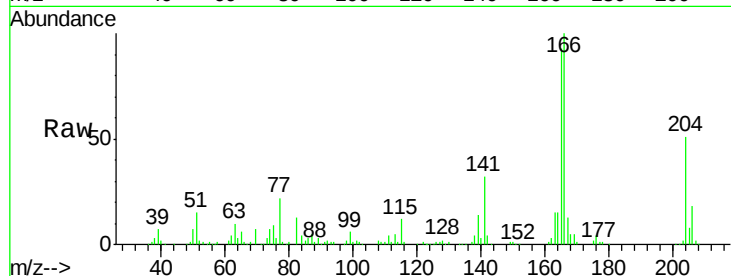
#59
 4-Chlorophenyl-phenylether
 Concen: 6.70 ng/ul
 RT: 15.30 min Scan# 2146
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	57698		
206	34.8	25.7	38.5	
141	61.4	52.5	78.7	

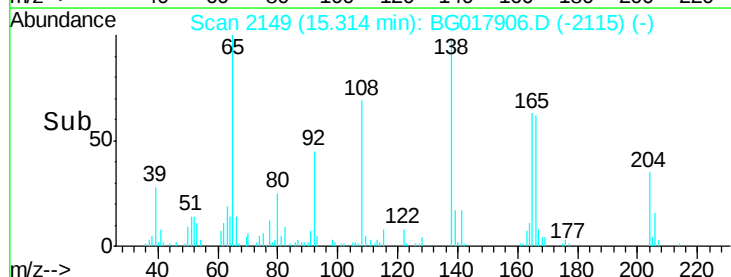
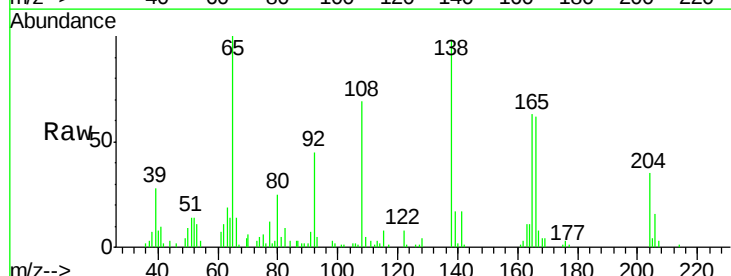
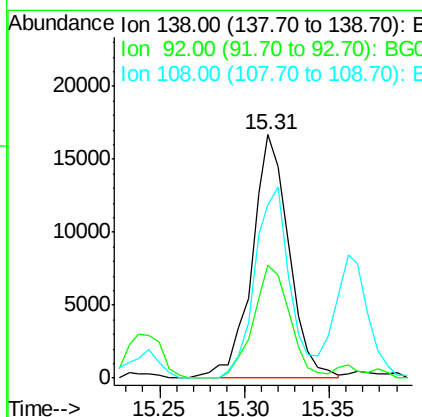
Manual Integrations
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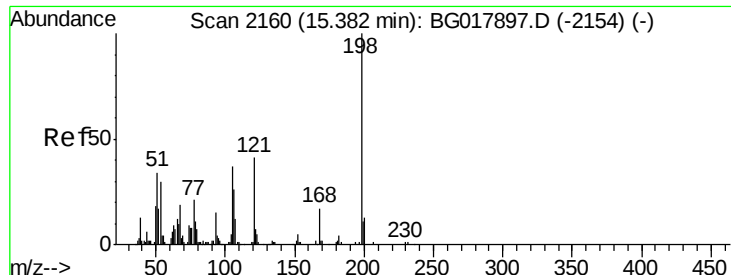
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#60
 4-Nitroaniline
 Concen: 5.83 ng/ul
 RT: 15.31 min Scan# 2149
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	25412		
92	46.3	38.6	58.0	
108	71.0	62.0	93.0	





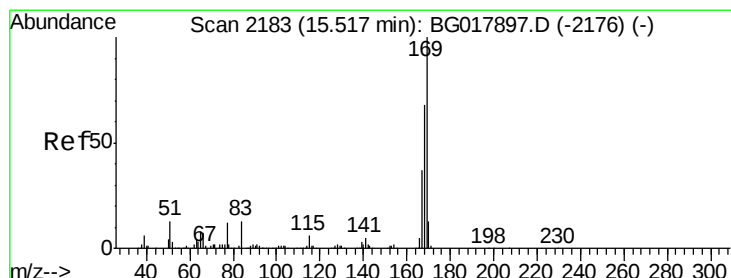
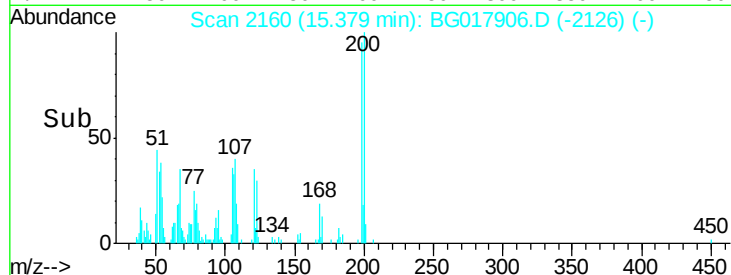
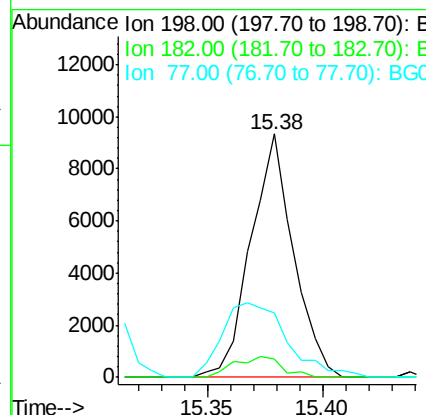
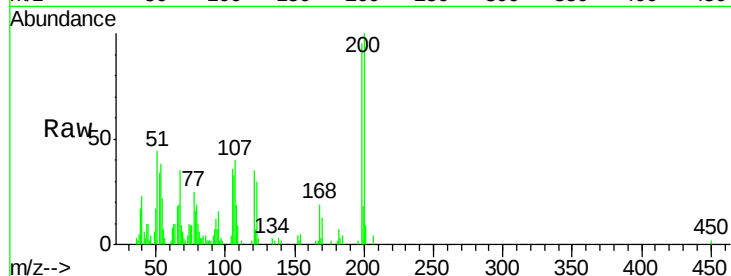
#63
 4,6-Dinitro-2-methylphenol
 Concen: 4.60 ng/ul
 RT: 15.38 min Scan# 2160
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	12074		
182	7.4	3.8	5.8#	
77	26.3	25.8	38.6	

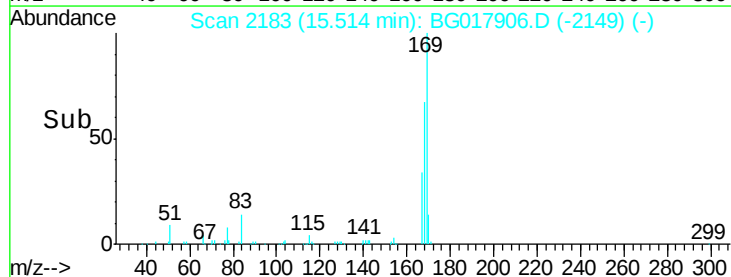
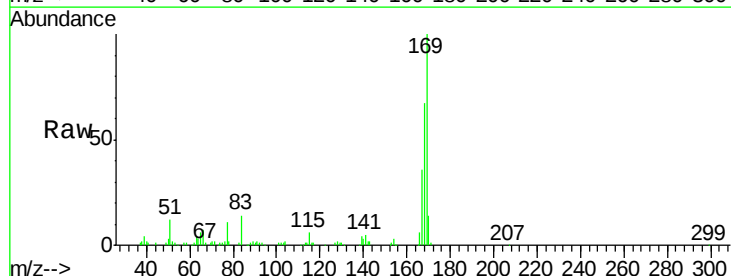
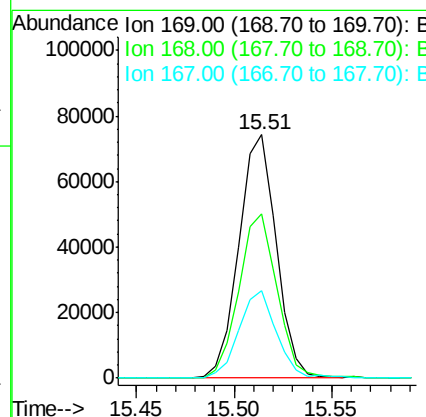
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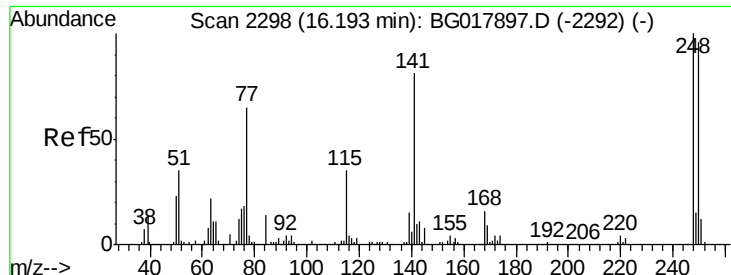
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#64
 N-Nitrosodiphenylamine
 Concen: 6.44 ng/ul
 RT: 15.51 min Scan# 2183
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	98628		
168	67.5	53.7	80.5	
167	35.8	29.8	44.8	





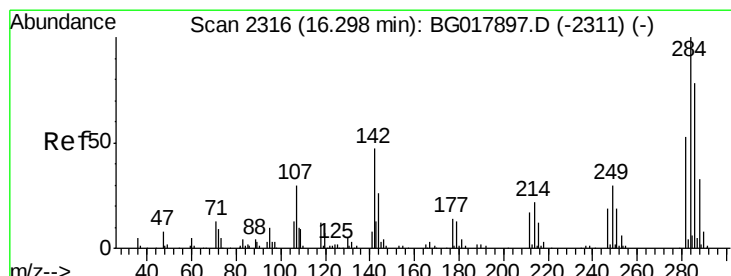
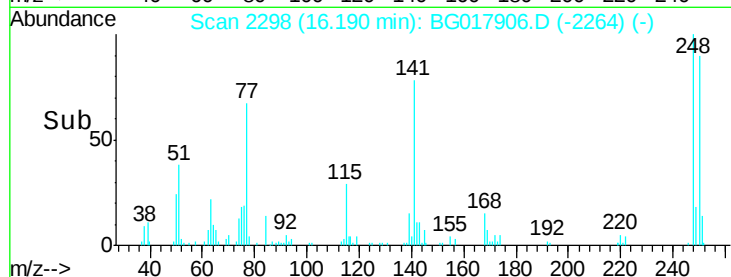
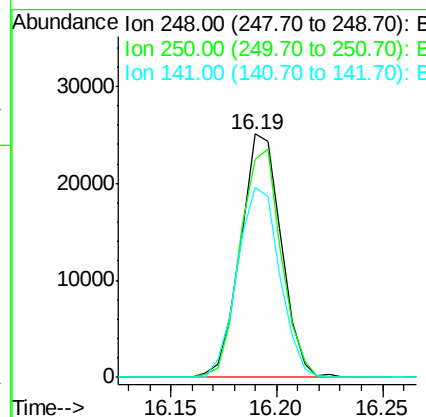
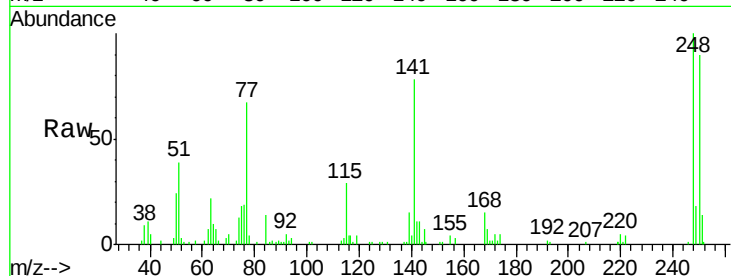
#65
 4-Bromophenyl-phenylether
 Concen: 6.96 ng/ul
 RT: 16.19 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Lower	Upper
248	100		
250	89.7	81.8	122.6
141	78.2	77.6	116.4

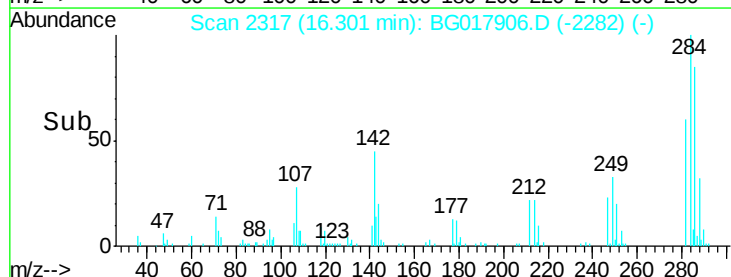
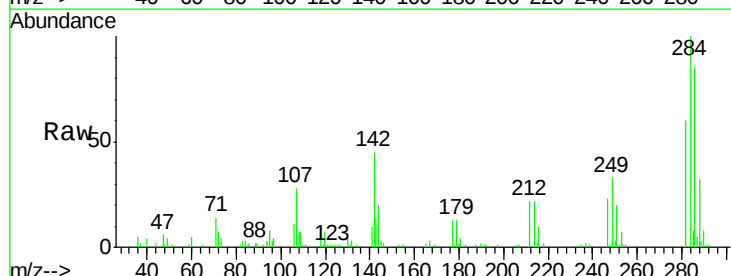
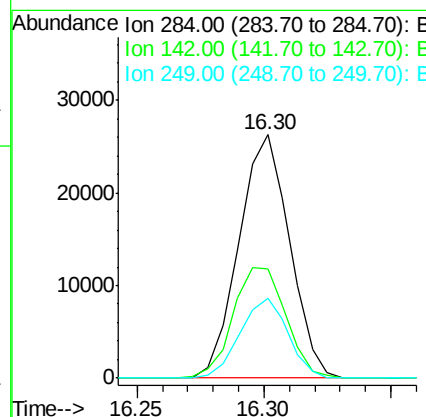
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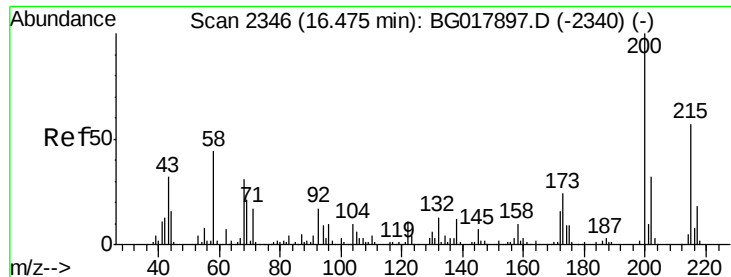
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#66
 Hexachlorobenzene
 Concen: 6.96 ng/ul
 RT: 16.30 min Scan# 2317
 Delta R.T. 0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	45.1	41.8	62.6
249	32.7	23.3	34.9





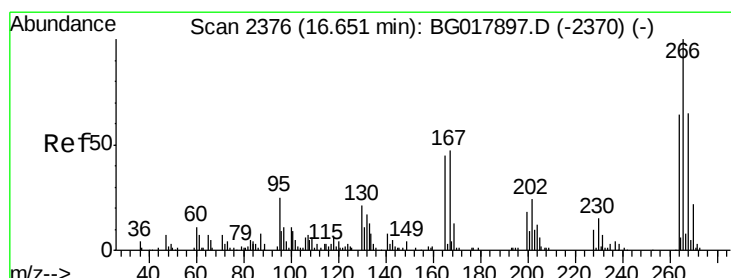
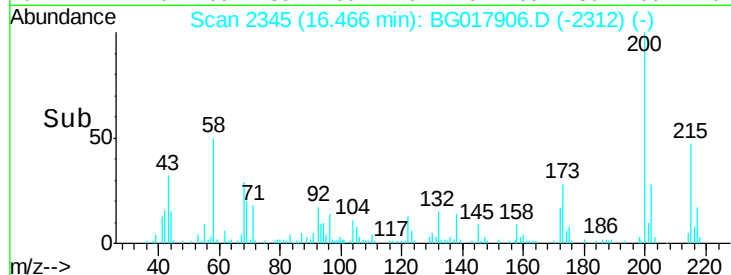
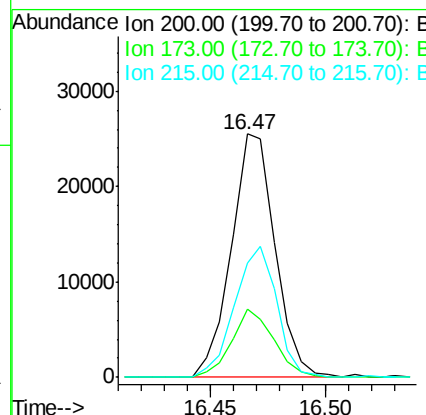
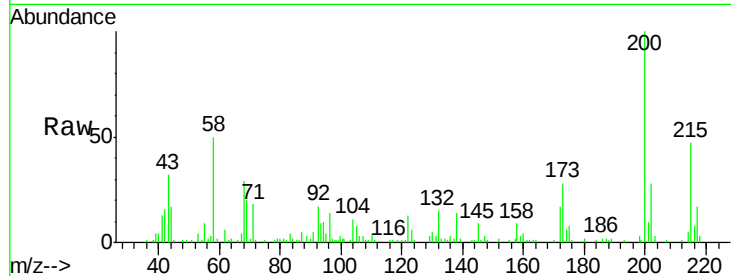
#67
 Atrazine
 Concen: 6.40 ng/ul
 RT: 16.47 min Scan# 2345
 Delta R.T. -0.01 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.1	20.6	30.8
215	46.9	40.0	60.0

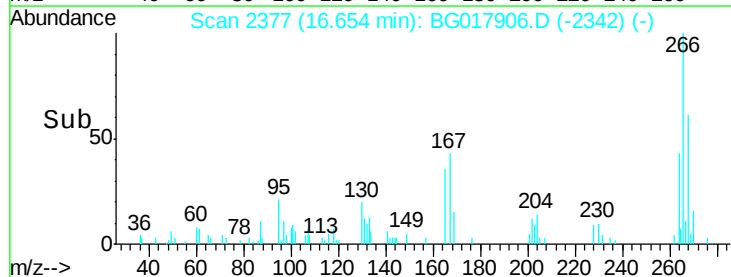
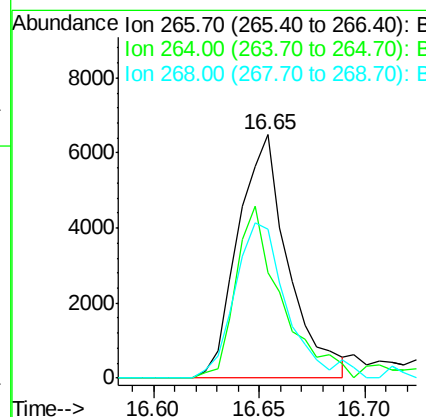
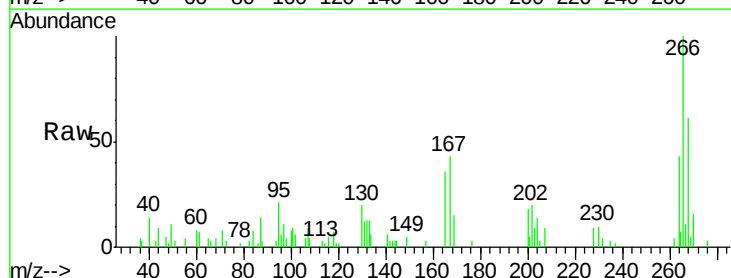
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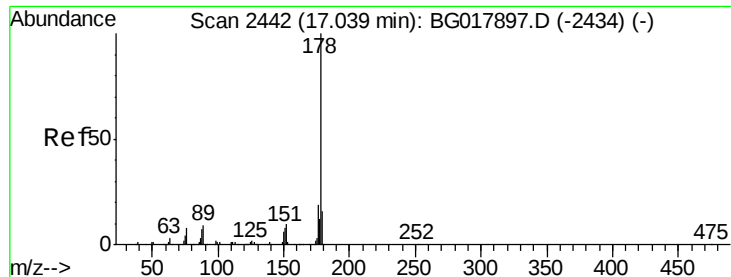
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#68
 Pentachlorophenol
 Concen: 4.12 ng/ul
 RT: 16.65 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: BG017906.D
 Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	43.4	52.0	78.0#
268	61.2	57.3	85.9





#69

Phenanthrene

Concen: 6.50 ng/ul

RT: 17.04 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

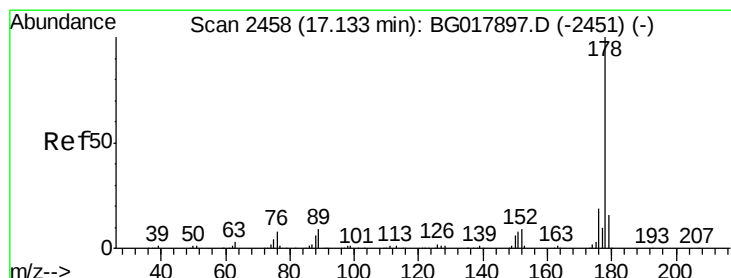
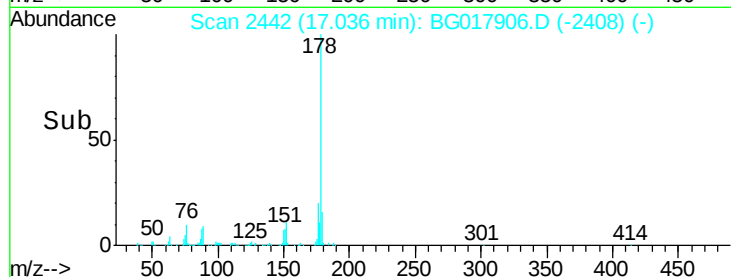
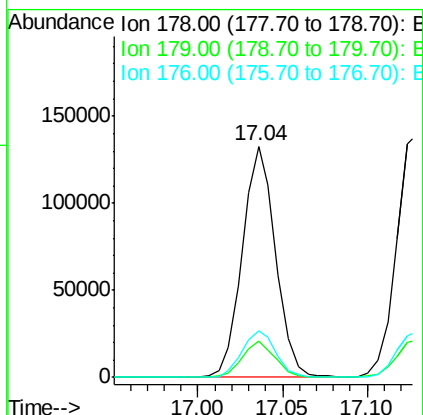
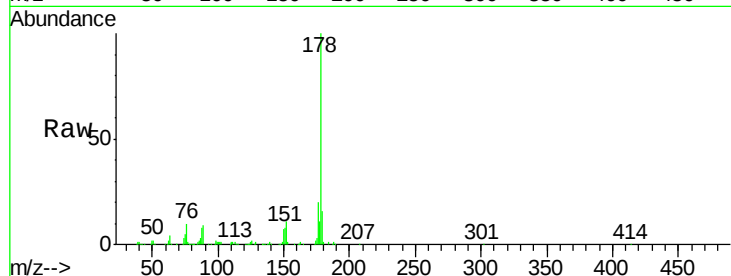
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	178	Resp:	180673
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.6	18.8
176	19.9	16.2	24.2

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#71

Anthracene

Concen: 6.81 ng/ul

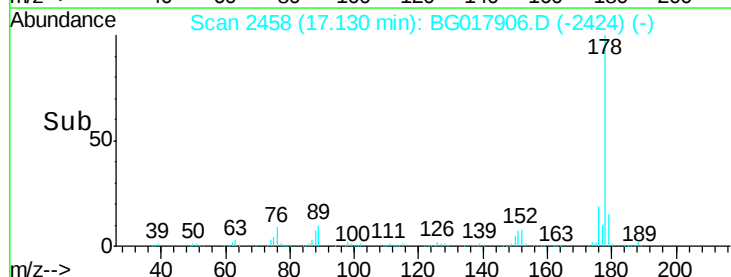
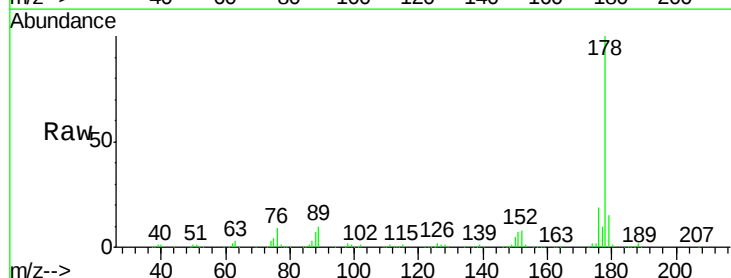
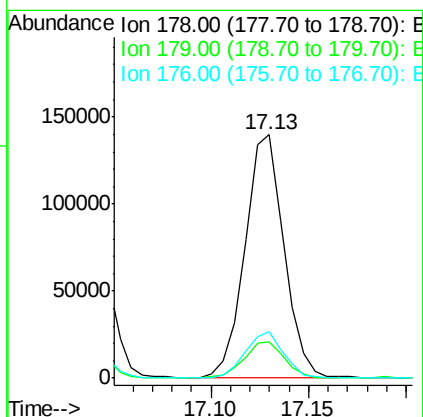
RT: 17.13 min Scan# 2458

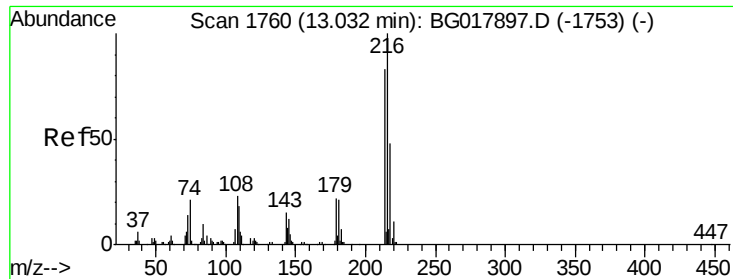
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	178	Resp:	193748
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.6	19.0
176	19.1	16.5	24.7





#72

1,2,3,4-Tetrachlorobenzene

Concen: 6.17 ng/uL

RT: 13.03 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

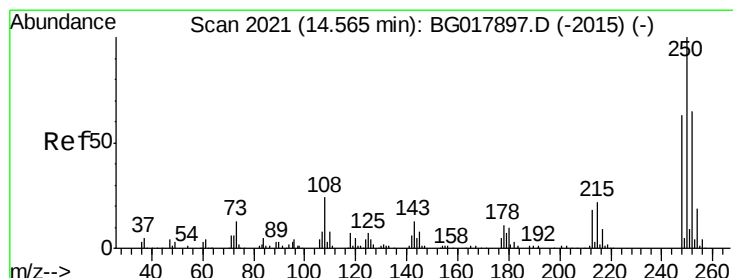
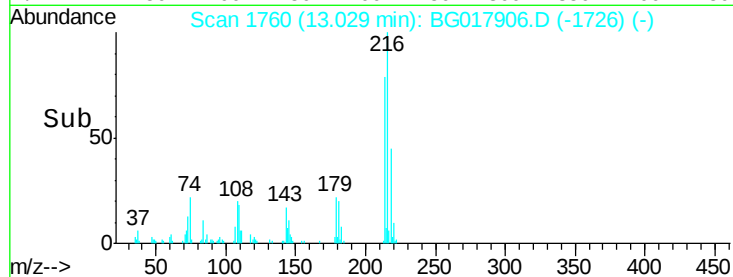
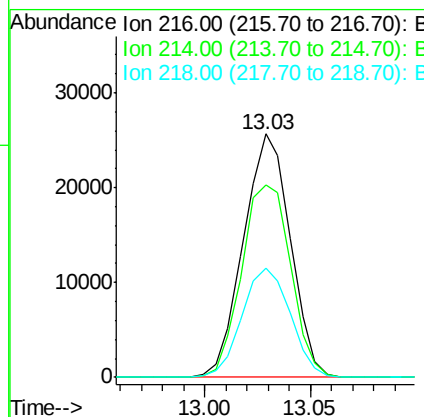
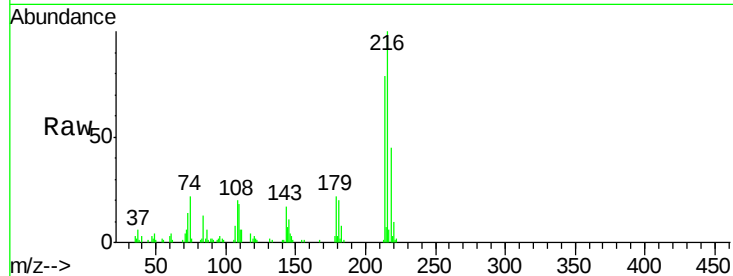
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	216	Resp:	39553
Ion Ratio	Lower	Upper	
216	100		
214	78.9	59.0	88.6
218	45.0	35.8	53.6

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#73

Pentachlorobenzene

Concen: 7.57 ng/uL

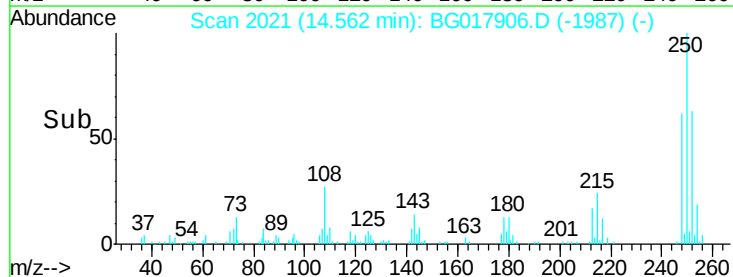
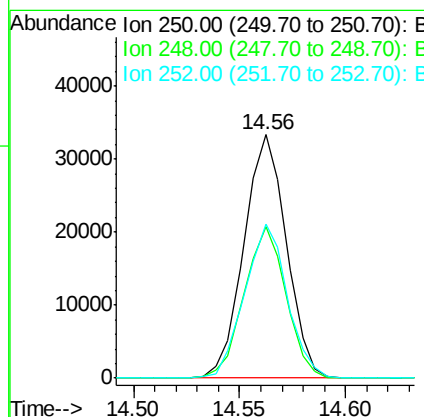
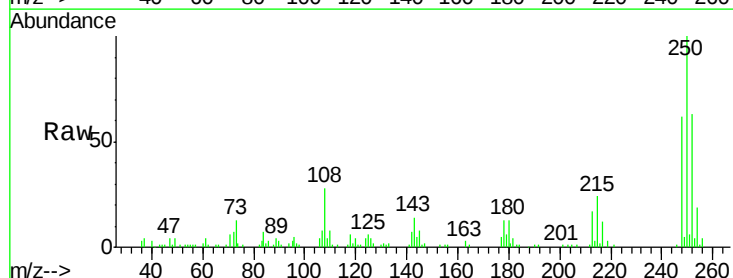
RT: 14.56 min Scan# 2021

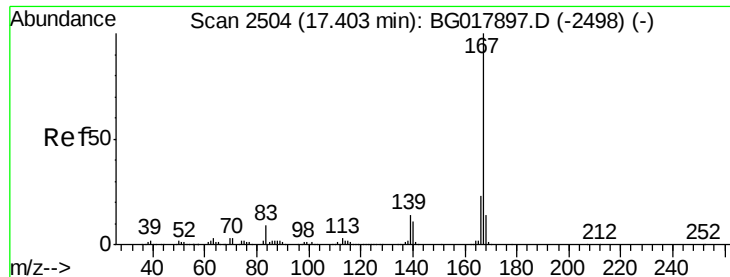
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	250	Resp:	46524
Ion Ratio	Lower	Upper	
250	100		
248	62.3	48.8	73.2
252	63.4	48.2	72.2





#74

Carbazole

Concen: 6.89 ng/ul

RT: 17.40 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BG017906.D

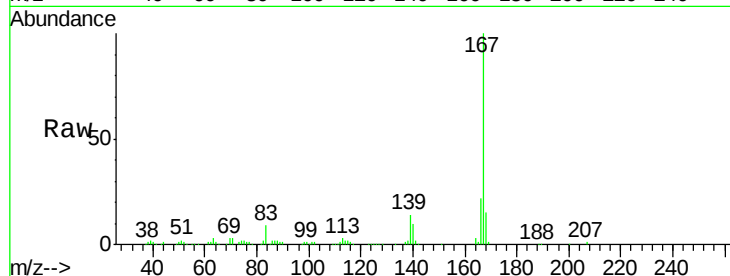
Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

ClientSampleId :

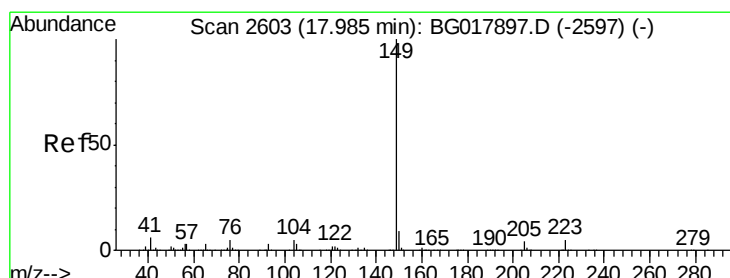
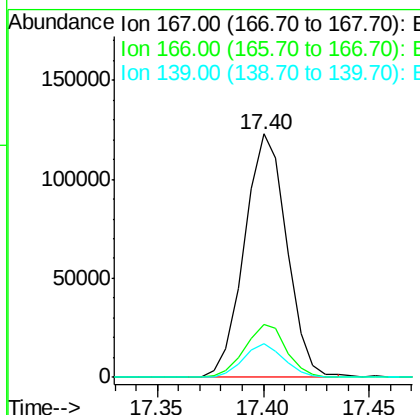
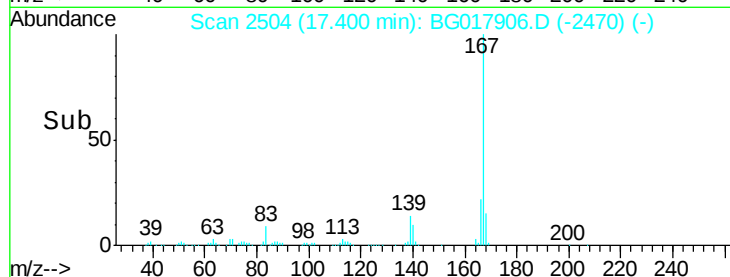
MDL-04-S-ML



Tgt Ion:	167	Resp:	171049
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.8	26.8
139	13.6	11.4	17.2

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#75

Di-n-butylphthalate

Concen: 6.47 ng/ul

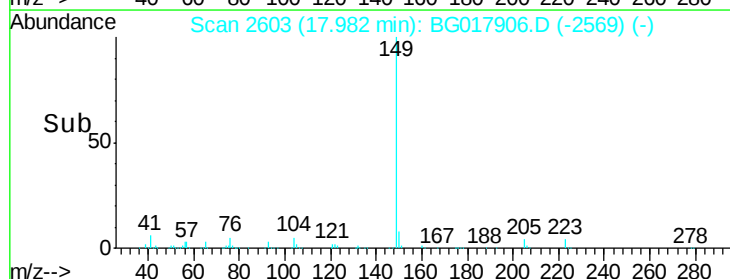
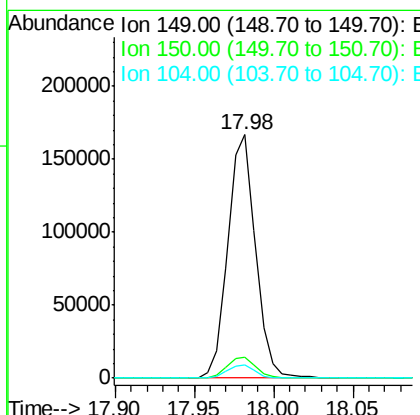
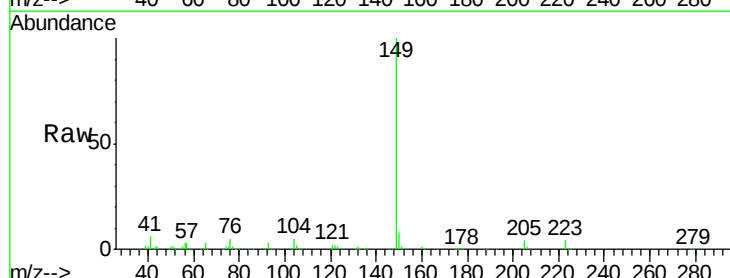
RT: 17.98 min Scan# 2603

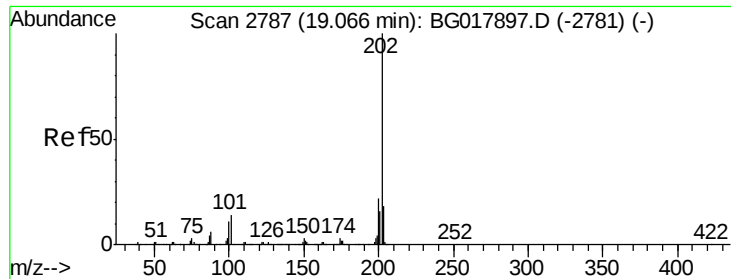
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	149	Resp:	201585
Ion Ratio	Lower	Upper	
149	100		
150	8.4	8.2	12.2
104	5.2	5.4	8.2#





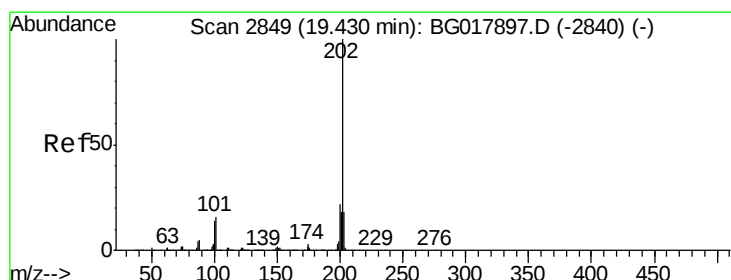
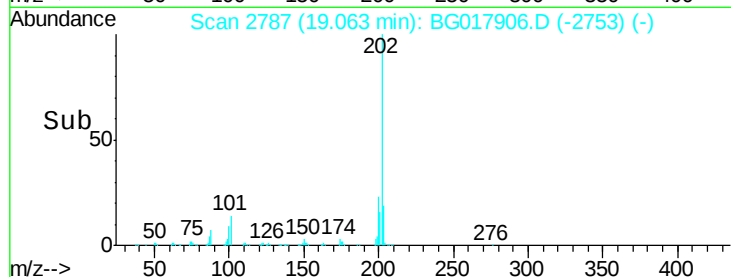
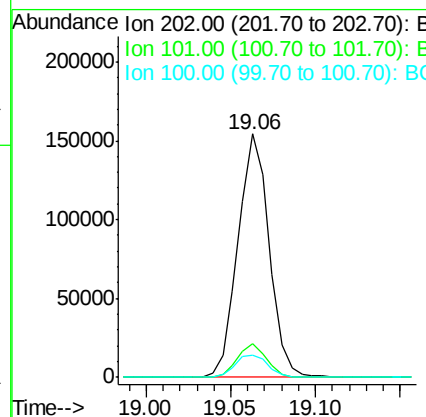
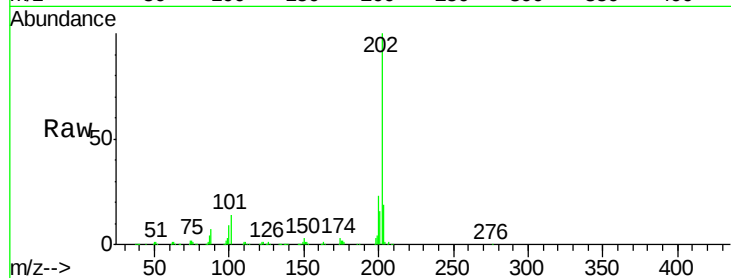
#76
Fluoranthene
Concen: 7.03 ng/ul
RT: 19.06 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.1	12.3	18.5
100	9.0	9.2	13.8

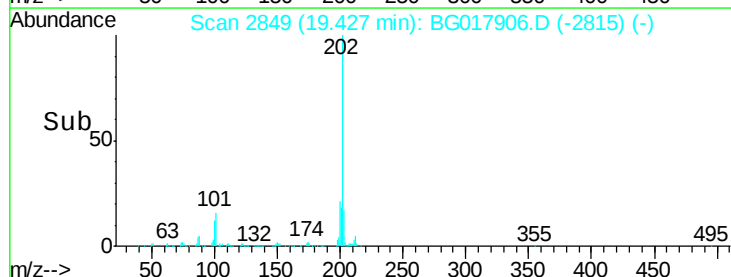
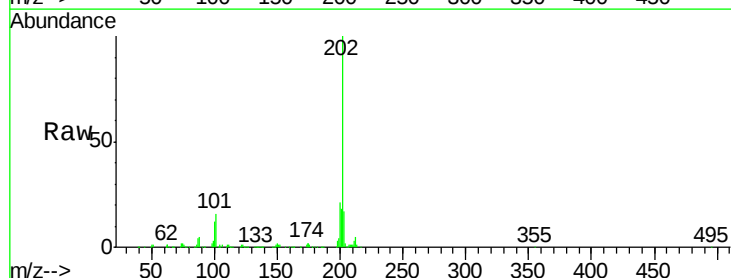
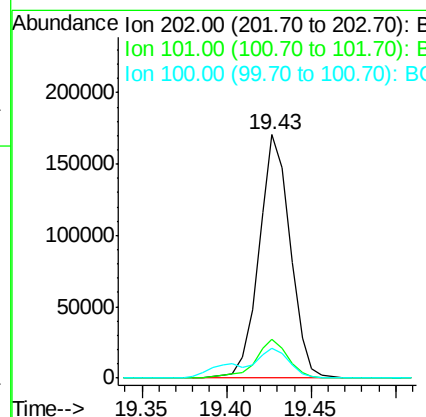
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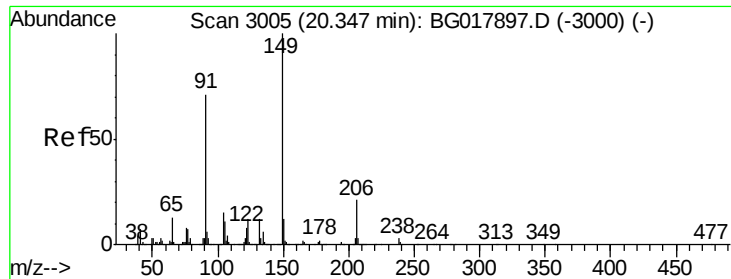
apatel
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#79
Pyrene
Concen: 7.10 ng/ul
RT: 19.43 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.1	13.8	20.6
100	12.4	11.2	16.8





#80

Butylbenzylphthalate

Concen: 5.89 ng/ul

RT: 20.35 min Scan# 3006

Delta R.T. 0.00 min

Lab File: BG017906.D

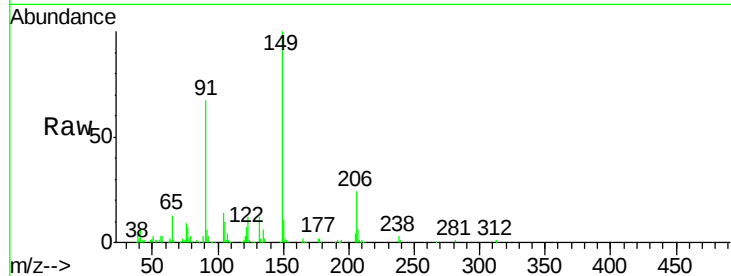
Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

ClientSampleId :

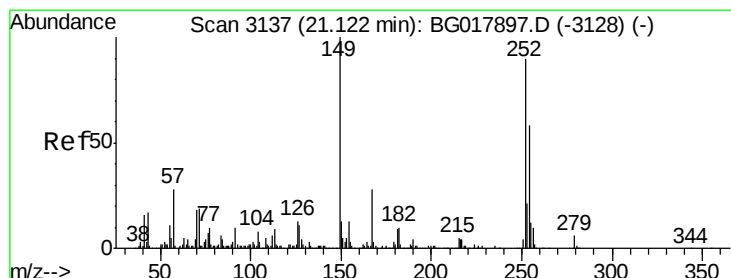
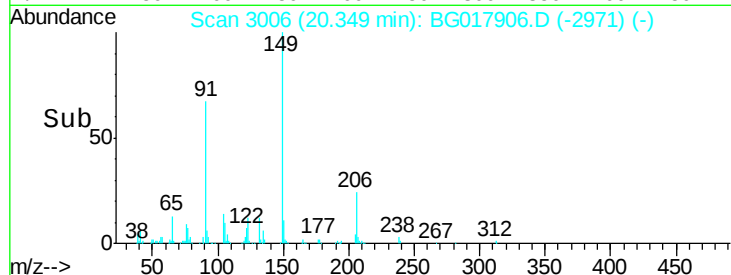
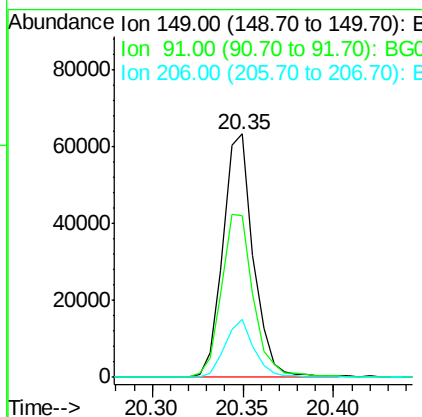
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Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.7	64.3	96.5
206	23.8	15.3	22.9

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#81

3,3'-Dichlorobenzidine

Concen: 5.80 ng/ul

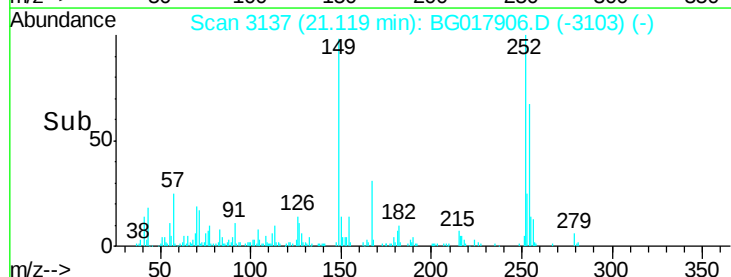
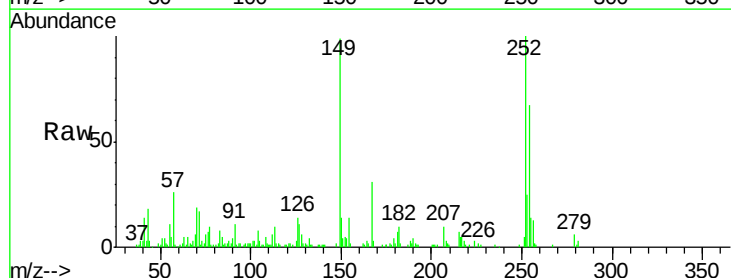
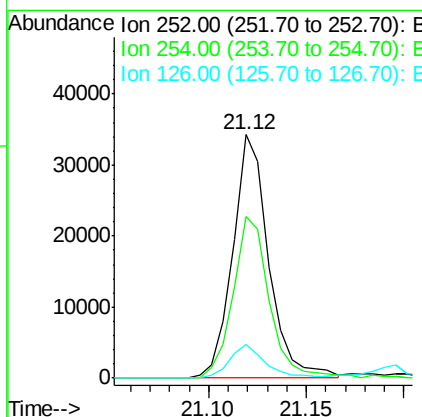
RT: 21.12 min Scan# 3137

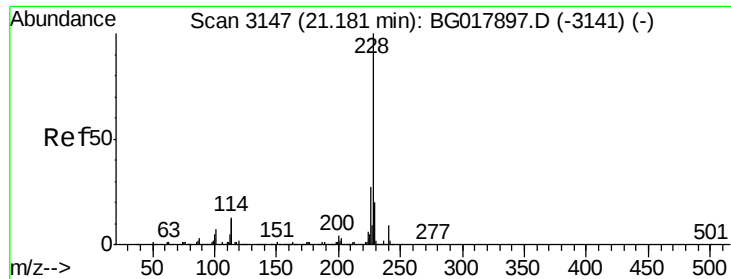
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.5	54.2	81.2
126	14.1	13.3	19.9





#82

Benzo(a)anthracene

Concen: 7.10 ng/ul

RT: 21.18 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

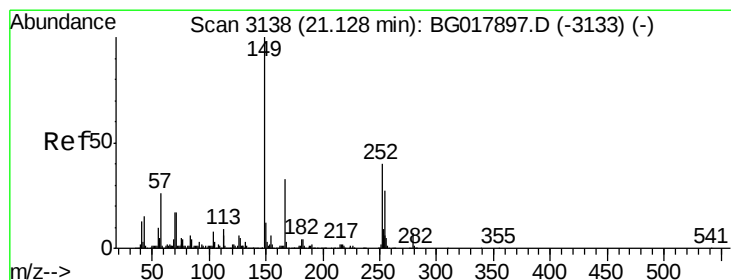
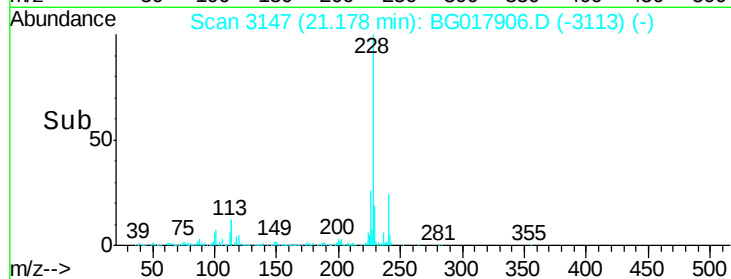
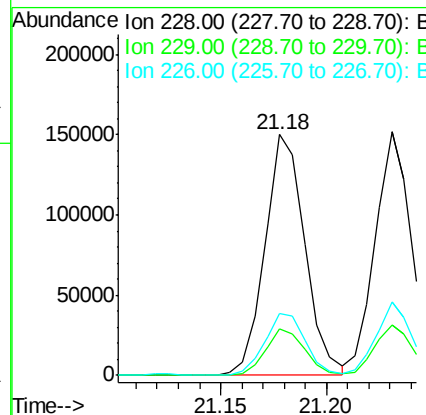
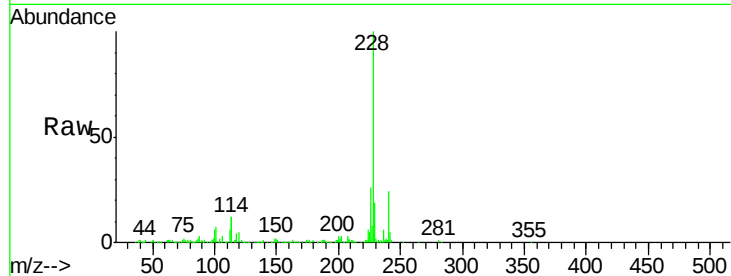
ClientSampleId :

MDL-04-S-ML

Tgt	Ion	Resp	Lower	Upper
228	100			
229	19.3	16.5	24.7	
226	25.5	22.0	33.0	

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#83

Bis(2-ethylhexyl)phthalate

Concen: 6.00 ng/ul

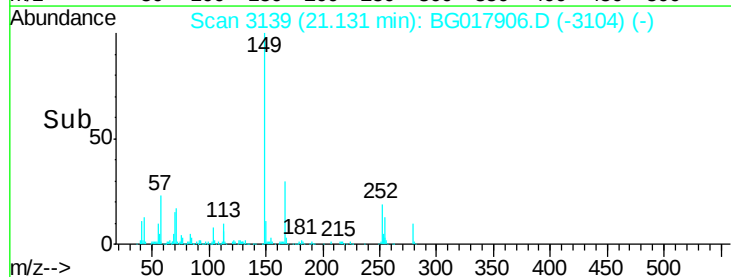
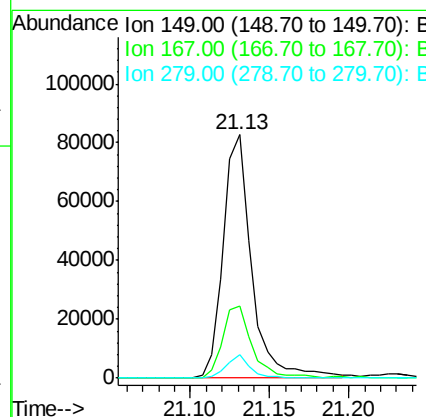
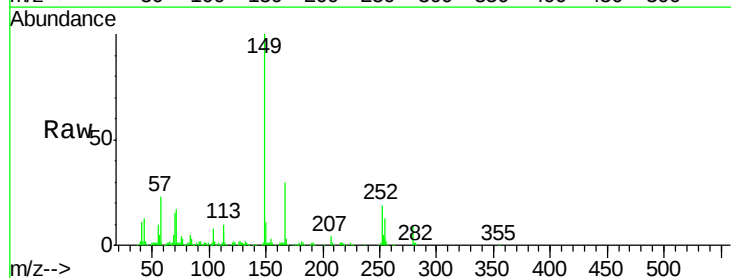
RT: 21.13 min Scan# 3139

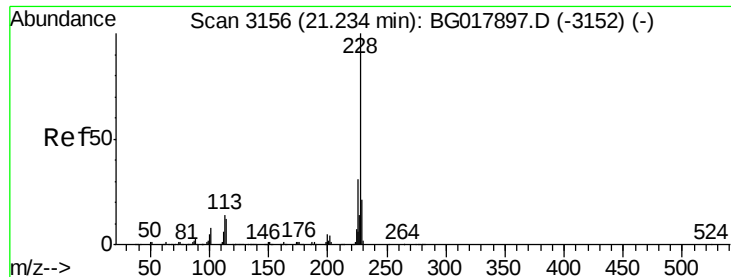
Delta R.T. 0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt	Ion	Resp	Lower	Upper
149	100			
167	29.8	22.9	34.3	
279	9.5	5.8	8.6#	





#84

Chrysene

Concen: 7.06 ng/ul

RT: 21.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

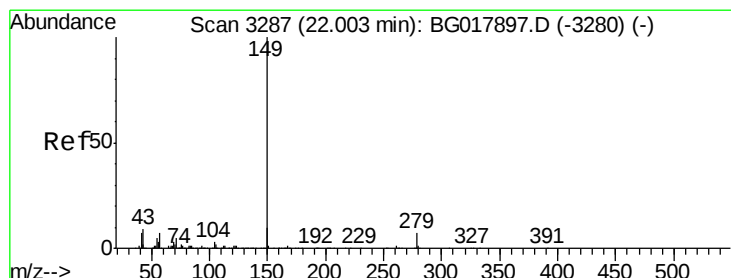
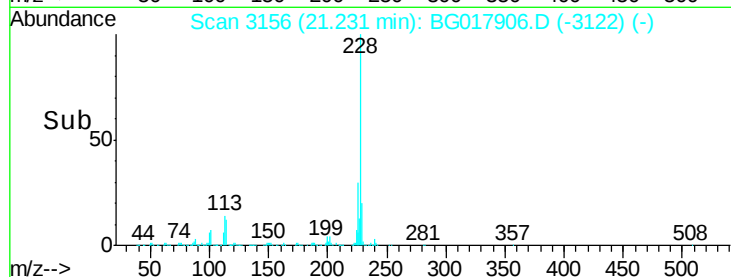
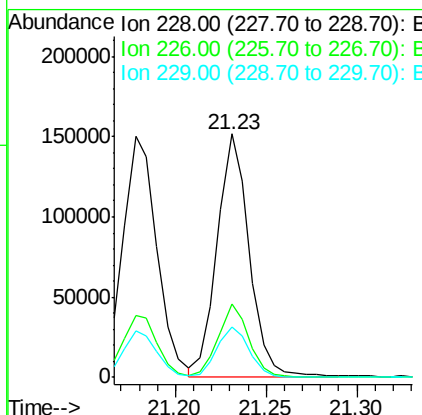
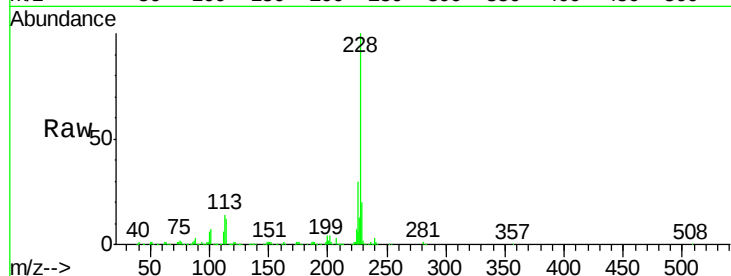
ClientSampleId :

MDL-04-S-ML

Tgt Ion:	228	Resp:	188007
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.3	36.5
229	20.5	15.4	23.2

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#86

Di-n-octyl phthalate

Concen: 5.69 ng/ul

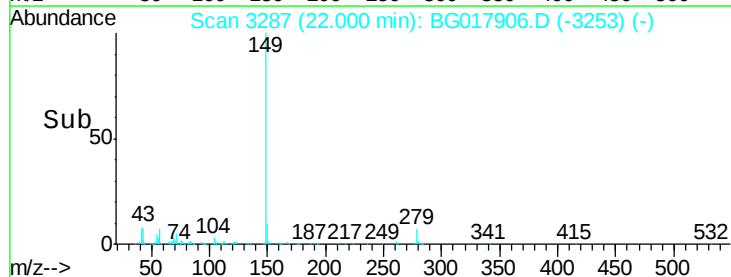
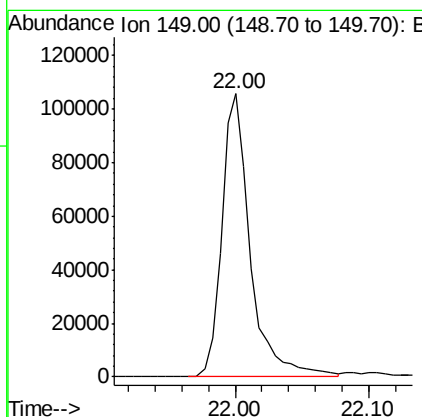
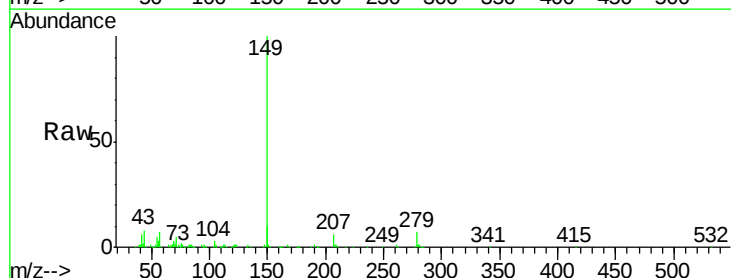
RT: 22.00 min Scan# 3287

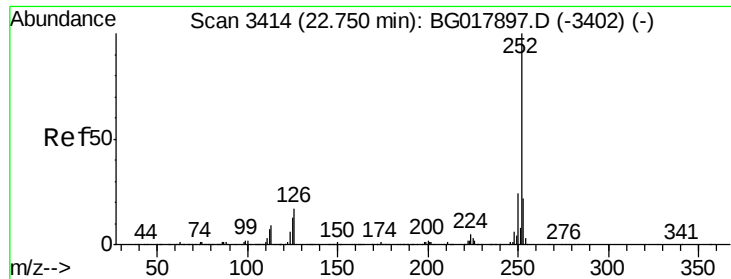
Delta R.T. -0.00 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:149 Resp: 156298





#87

Benzo(b)fluoranthene

Concen: 6.74 ng/ul

RT: 22.75 min Scan# 3414

Delta R.T. -0.00 min

Lab File: BG017906.D

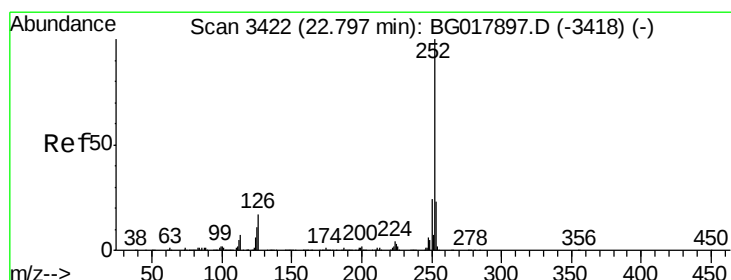
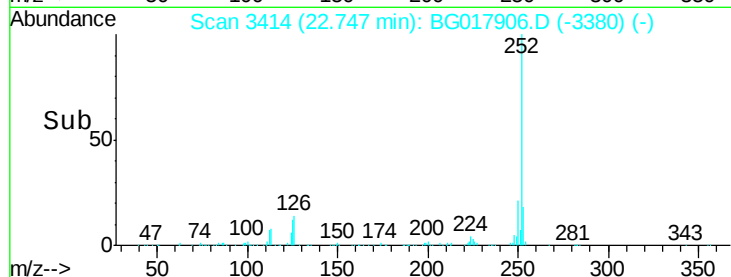
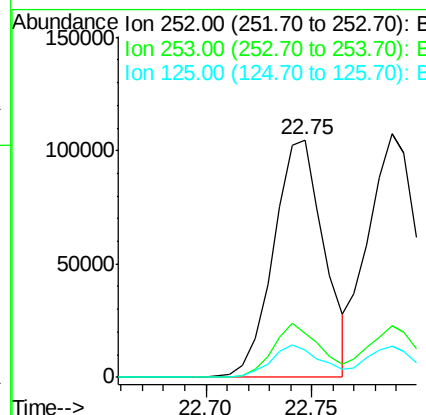
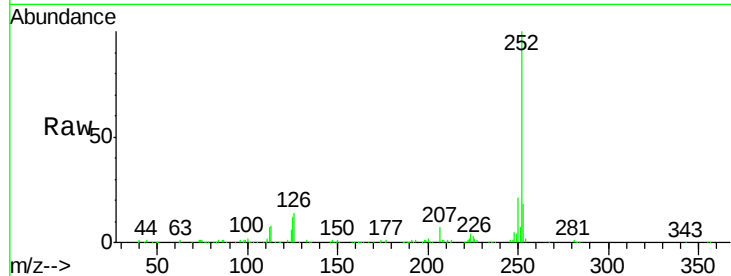
Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.5	17.6	26.4
125	11.6	11.5	17.3

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#88

Benzo(k)fluoranthene

Concen: 6.64 ng/ul

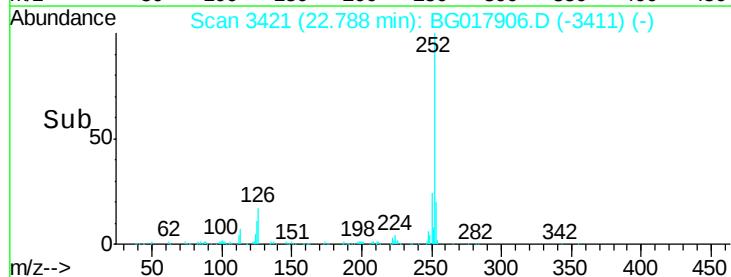
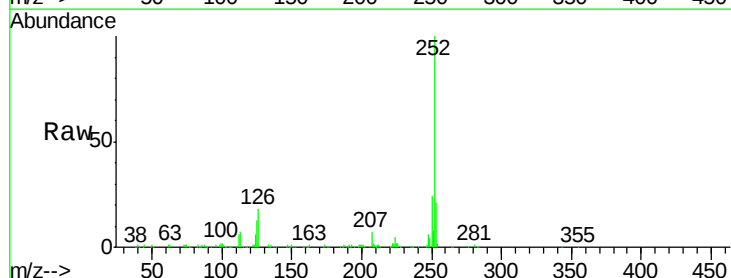
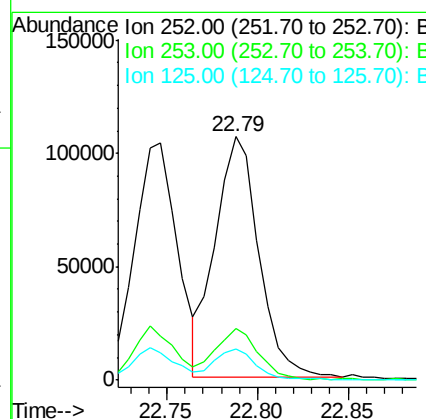
RT: 22.79 min Scan# 3421

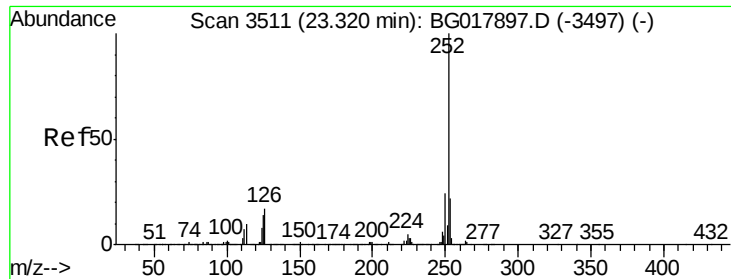
Delta R.T. -0.01 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	12.8	13.1	19.7





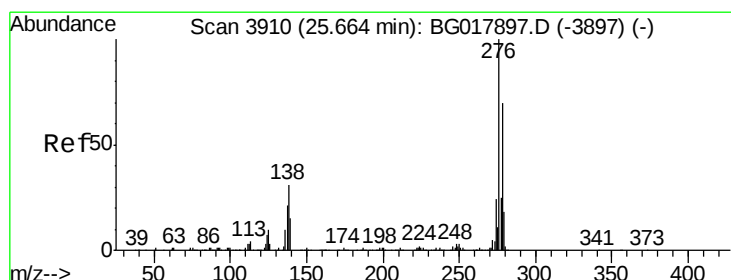
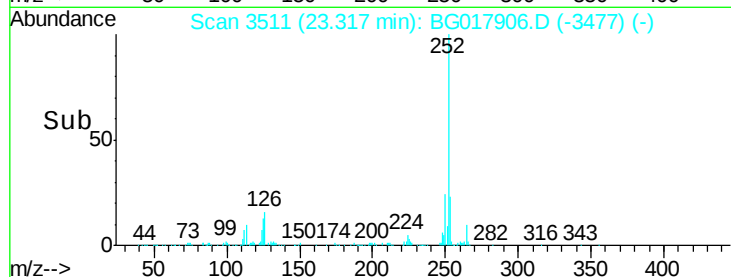
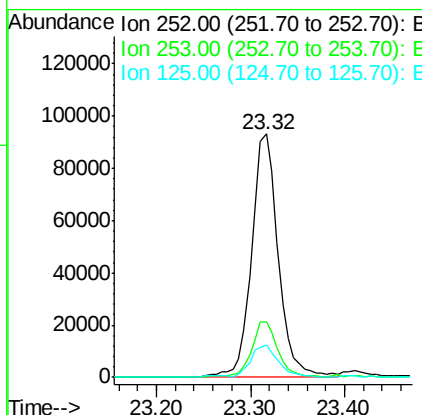
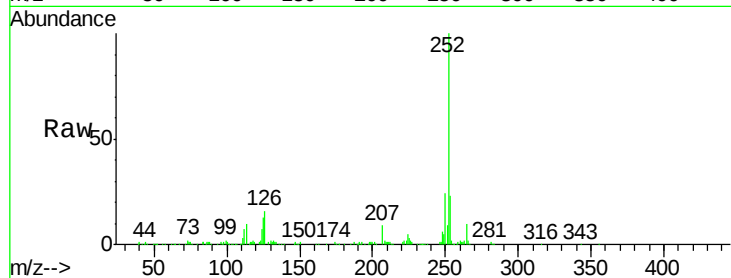
#90
Benzo(a)pyrene
Concen: 7.08 ng/ul
RT: 23.32 min Scan# 3511
Delta R.T. -0.00 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.7	16.6	25.0
125	13.1	11.8	17.8

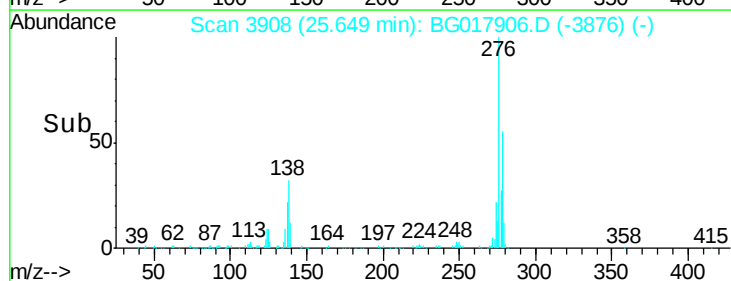
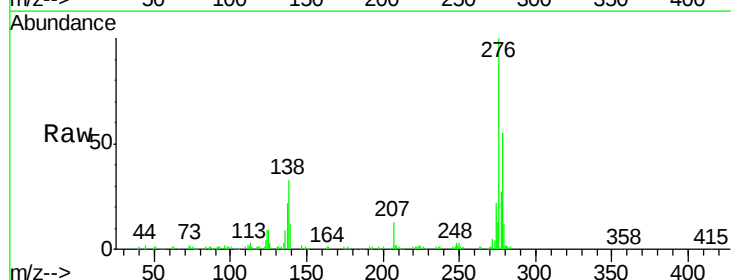
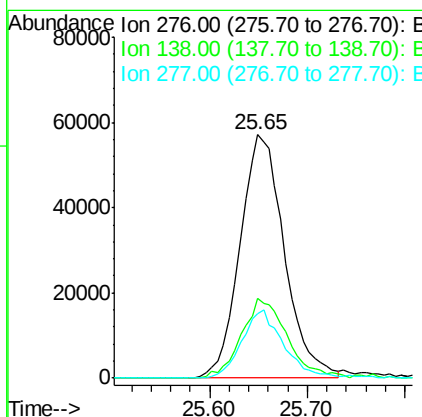
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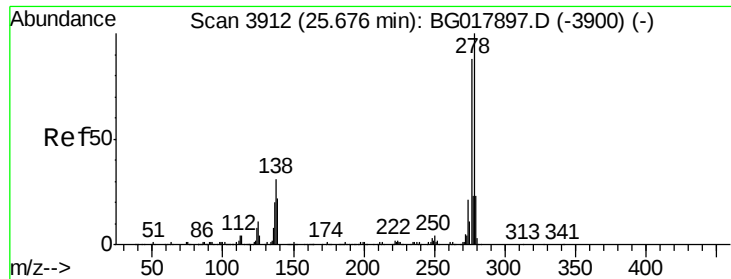
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#91
Indeno(1,2,3-cd)pyrene
Concen: 6.54 ng/ul
RT: 25.65 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BG017906.D
Acq: 16 Jul 2015 5:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	32.5	29.4	44.0
277	26.6	20.7	31.1





#92

Dibenzo(a,h)anthracene

Concen: 6.40 ng/ul

RT: 25.67 min Scan# 3911

Delta R.T. -0.01 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Instrument :

BNA_G

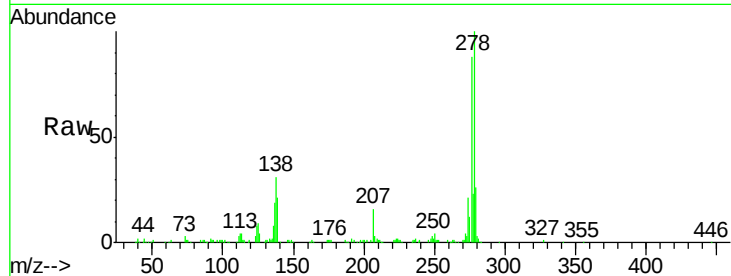
ClientSampleId :

MDL-04-S-ML

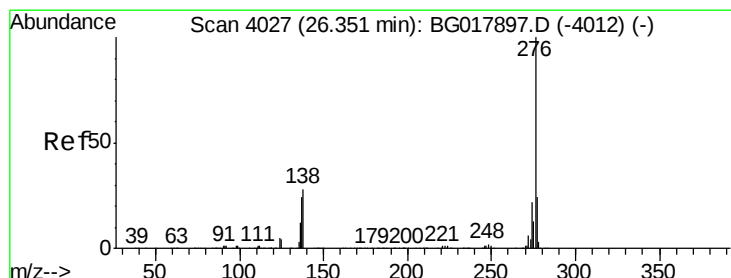
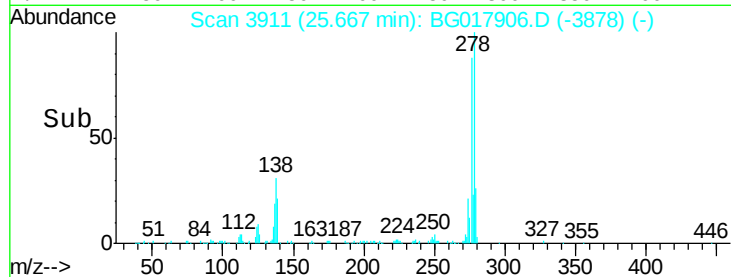
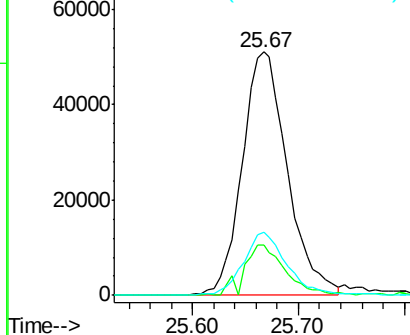
Tgt Ion:	278	Resp:	151435
Ion Ratio	Lower	Upper	
278	100		
139	20.7	18.4	27.6
279	25.8	19.4	29.0

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 6.60 ng/ul

RT: 26.34 min Scan# 4025

Delta R.T. -0.01 min

Lab File: BG017906.D

Acq: 16 Jul 2015 5:25

Tgt Ion:	276	Resp:	153512
Ion Ratio	Lower	Upper	
276	100		
138	25.7	22.2	33.4
277	23.7	18.4	27.6

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

