

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101216\
 Data File : BB058617.D
 Acq On : 12 Oct 2016 12:52
 Operator : UM/SJ
 Sample : MDL-03-W
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleID :
 MDL-03-W

Manual Integrations
 APPROVED

SOHIL
 10/13/2016 11:12:32 AM

Quant Time: Oct 12 13:43:39 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 12 12:50:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	475910	20.00	ng/ul	0.00
18) Naphthalene-d8	11.62	136	1746081	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	1059216	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.42	188	1752069m	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	1861652	20.00	ng/ul	-0.02
83) Perylene-d12	25.87	264	1445225	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	69017	6.57	ng/uL	0.02
5) Phenol-d5	7.79	99	1028423	29.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.95	67	706059	30.49	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1157988	32.29	ng/ul	0.00
13) 4-Methylphenol-d8	9.43	113	862622	30.14	ng/ul	-0.02
19) Nitrobenzene-d5	9.89	128	591413	32.76	ng/ul	0.02
22) 2-Nitrophenol-d4	10.64	143	673276	34.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.22	165	911285	33.10	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.74	131	1188127	35.84	ng/ul	0.00
43) Dimethylphthalate-d6	14.96	166	2546534	36.16	ng/ul	0.00
46) Acenaphthylene-d8	15.24	160	2826999	34.04	ng/ul	-0.02
51) 4-Nitrophenol-d4	15.76	143	449302	27.78	ng/ul	-0.02
57) Fluorene-d10	16.61	176	2015856	34.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.71	200	484457	26.04	ng/ul	-0.02
70) Anthracene-d10	18.52	188	2578304	32.90	ng/ul	-0.02
76) Pyrene-d10	20.87	212	3035208	37.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.68	264	2306865	34.96	ng/ul	-0.02

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.69	88	11283	1.08	ng/uL#	82
4) Benzaldehyde	7.74	77	48751	2.19	ng/ul	95
6) Phenol	7.83	94	96615	2.82	ng/ul#	66
8) Bis(2-Chloroethyl)ether	8.04	93	83858	2.97	ng/ul	89
10) 2-Chlorophenol	8.22	128	105424	3.09	ng/ul	95
11) 2-Methylphenol	9.14	108	77413	2.81	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	9.24	45	139878	2.81	ng/ul#	90
14) Acetophenone	9.53	105	118628	2.83	ng/ul#	78
15) N-Nitroso-di-n-propylamine	9.53	70	65316	2.64	ng/ul#	45
16) 4-Methylphenol	9.49	108	80856	2.72	ng/ul	98
17) Hexachloroethane	9.83	117	47193	2.85	ng/ul	83
20) Nitrobenzene	9.93	77	103587	3.06	ng/ul#	80
21) Isophorone	10.49	82	196697	3.01	ng/ul#	91
23) 2-Nitrophenol	10.68	139	65034	3.21	ng/ul	89
24) 2,4-Dimethylphenol	10.76	107	100287	3.02	ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.99	93	91902	2.91	ng/ul#	91
27) 2,4-Dichlorophenol	11.26	162	86461	3.14	ng/ul#	89
28) Naphthalene	11.66	128	275978	3.32	ng/ul	99
30) 4-Chloroaniline	11.76	127	102573	3.26	ng/ul	94
31) Hexachlorobutadiene	12.01	225	60077	3.19	ng/ul	98
32) Caprolactam	12.59	113	24913	2.49	ng/ul#	80
33) 4-Chloro-3-methylphenol	12.93	107	82037	2.98	ng/ul	92
34) 2-Methylnaphthalene	13.32	142	186408	3.25	ng/ul	97

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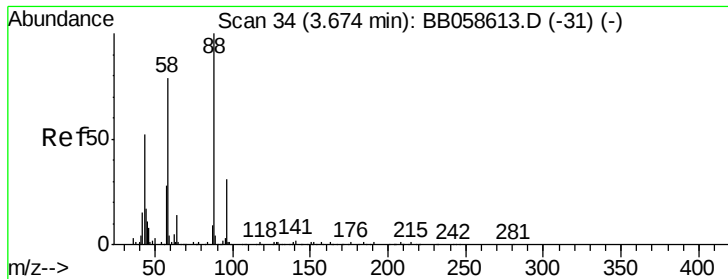
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.72	216	104618	3.22	ng/ul	94
37) Hexachlorocyclopentadiene	13.72	237	40069	1.95	ng/ul	93
38) 2,4,6-Trichlorophenol	13.95	196	62821	3.18	ng/ul	98
39) 2,4,5-Trichlorophenol	14.03	196	63837	3.04	ng/ul	97
40) 1,1'-Biphenyl	14.36	154	230552	3.25	ng/ul#	97
41) 2-Chloronaphthalene	14.40	162	175862	3.11	ng/ul	96
42) 2-Nitroaniline	14.59	65	58048	2.67	ng/ul#	88
44) Dimethylphthalate	14.99	163	234080	3.32	ng/ul#	97
45) 2,6-Dinitrotoluene	15.11	165	53077	2.98	ng/ul#	86
47) Acenaphthylene	15.28	152	271594	3.37	ng/ul	98
48) 3-Nitroaniline	14.59	138	63026	2.71	ng/ul#	39
49) Acenaphthene	15.63	153	175138	3.17	ng/ul	95
50) 2,4-Dinitrophenol	15.65	184	19486	1.54	ng/ul#	1
52) 4-Nitrophenol	15.78	109	33917	2.58	ng/ul#	84
53) Dibenzofuran	15.98	168	258962	3.29	ng/ul	92
54) 2,4-Dinitrotoluene	15.92	165	73326	2.95	ng/ul#	79
55) 2,3,4,6-Tetrachlorophenol	16.23	232	55800	3.04	ng/ul#	94
56) Diethylphthalate	16.42	149	237314	3.25	ng/ul	97
58) Fluorene	16.65	166	197583	3.08	ng/ul	92
59) 4-Chlorophenyl-phenylether	16.65	204	105342	3.06	ng/ul	91
60) 4-Nitroaniline	16.65	138	30074	1.64	ng/ul#	73
63) 4,6-Dinitro-2-methylphenol	16.73	198	53275m	2.87	ng/ul	
64) N-Nitrosodiphenylamine	16.86	169	173876	3.07	ng/ul	92
65) 4-Bromophenyl-phenylether	17.57	248	65617	2.92	ng/ul	92
66) Hexachlorobenzene	17.73	284	70453	3.13	ng/ul	93
67) Atrazine	17.84	200	64988	3.02	ng/ul#	88
68) Pentachlorophenol	18.07	266	34523	2.17	ng/ul	96
69) Phenanthrene	18.46	178	295936m	3.39	ng/ul	
71) Anthracene	18.56	178	297636	3.34	ng/ul	99
72) Carbazole	18.82	167	240387	3.23	ng/ul	98
73) Di-n-butylphthalate	19.40	149	432096	3.55	ng/ul	99
74) Fluoranthene	20.52	202	308381	3.47	ng/ul#	91
77) Pyrene	20.88	202	351524	3.61	ng/ul	97
78) Butylbenzylphthalate	21.79	149	196270	3.11	ng/ul	86
79) 3,3'-Dichlorobenzidine	22.68	252	59165	1.80	ng/ul	98
80) Benzo(a)anthracene	22.75	228	303175	3.20	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	22.68	149	263323	3.14	ng/ul#	99
82) Chrysene	22.83	228	290735	3.27	ng/ul	98
84) Di-n-octyl phthalate	22.68	149	263323	3.50	ng/ul#	58
85) Benzo(b)fluoranthene	24.91	252	252147	2.64	ng/ul	100
86) Benzo(k)fluoranthene	24.97	252	257310	3.48	ng/ul	98
88) Benzo(a)pyrene	25.72	252	238700	2.97	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.14	276	176350	2.51	ng/ul#	94
90) Dibenzo(a,h)anthracene	29.18	278	137430	2.36	ng/ul#	92
91) Benzo(g,h,i)perylene	30.15	276	143132	2.58	ng/ul#	92

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



#2

1,4-Dioxane

Concen: 1.08 ng/uL

RT: 3.69 min Scan# 35

Delta R.T. 0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

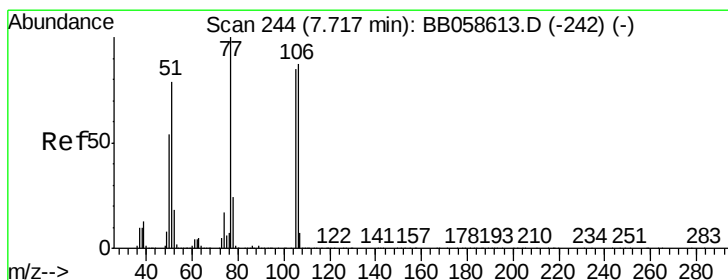
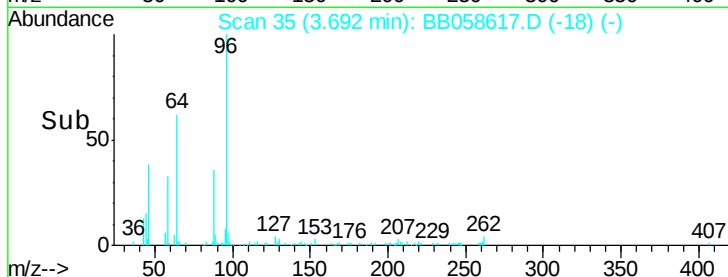
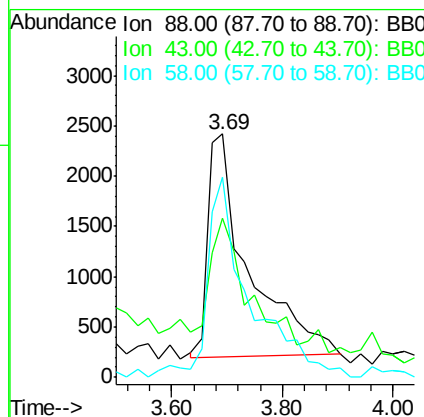
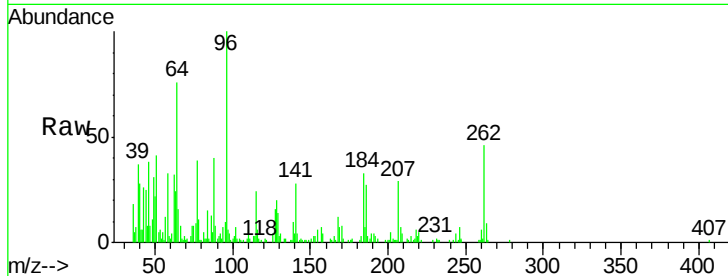
ClientSampleId :

MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	11283		
43	45.1	22.6	34.0#	
58	60.9	57.3	85.9	

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#4

Benzaldehyde

Concen: 2.19 ng/uL

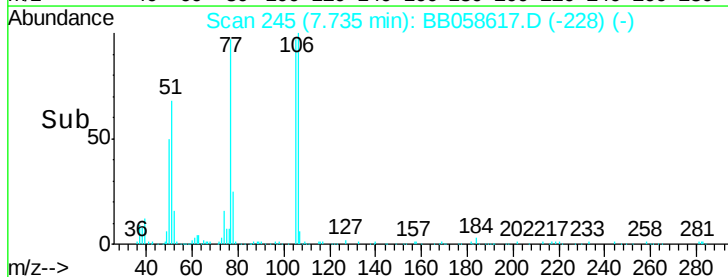
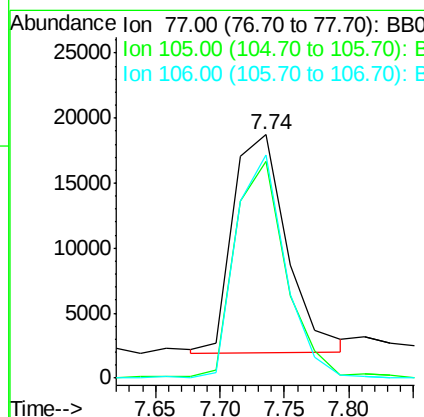
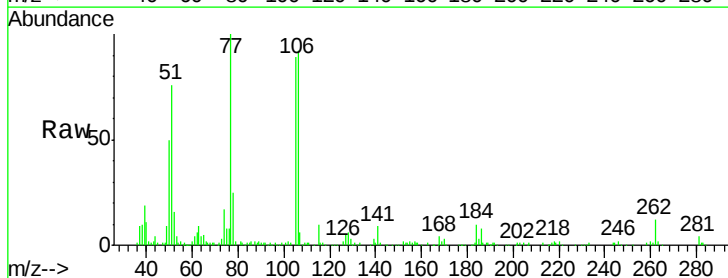
RT: 7.74 min Scan# 245

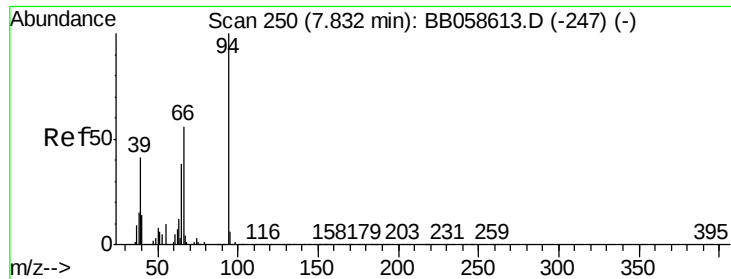
Delta R.T. 0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	48751		
105	89.2	76.9	115.3	
106	91.8	71.8	107.8	





#6

Phenol

Concen: 2.82 ng/ul

RT: 7.83 min Scan# 250

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

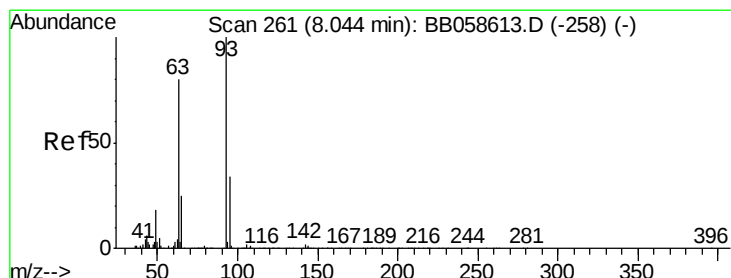
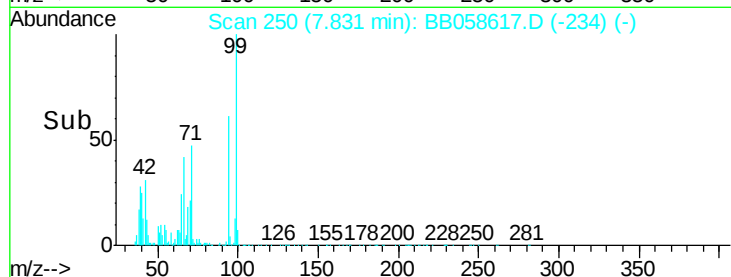
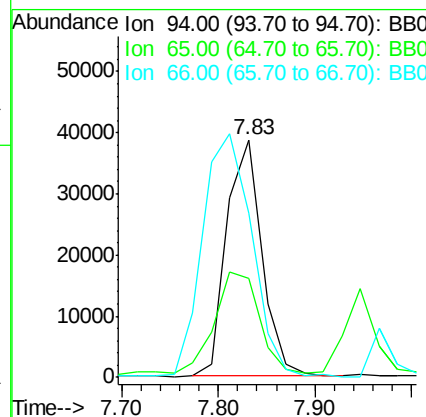
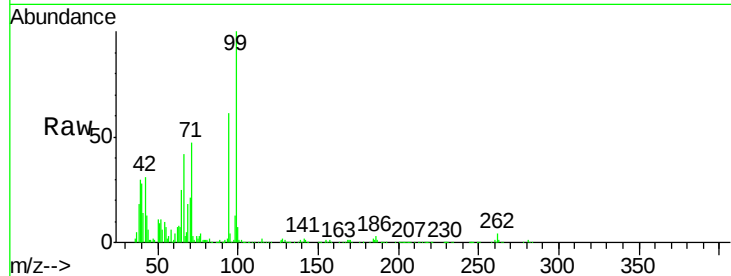
ClientSampled :

MDL-03-W

Tgt Ion:	94	Resp:	96615
Ion Ratio	Lower	Upper	
94	100		
65	41.5	23.9	35.9#
66	69.3	33.5	50.3#

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#8

Bis(2-Chloroethyl)ether

Concen: 2.97 ng/ul

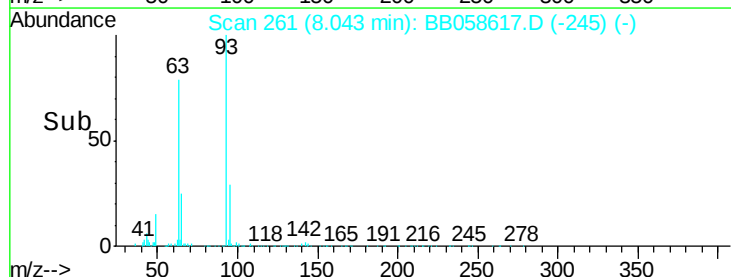
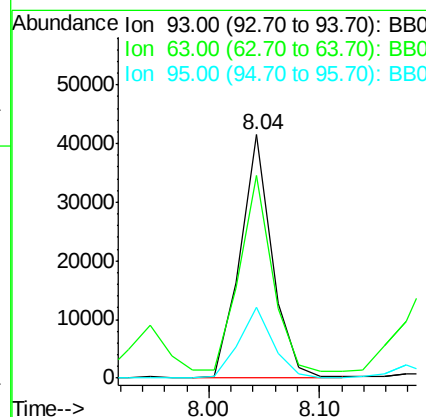
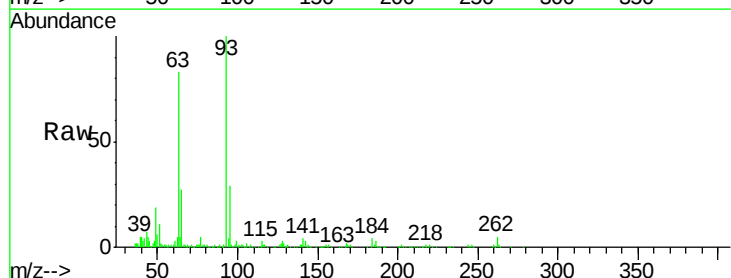
RT: 8.04 min Scan# 261

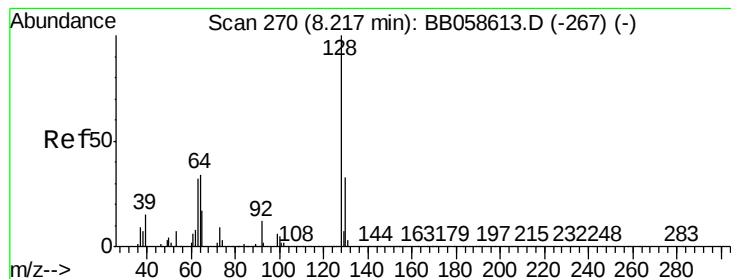
Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	93	Resp:	83858
Ion Ratio	Lower	Upper	
93	100		
63	83.0	57.3	85.9
95	29.2	25.1	37.7





#10

2-Chlorophenol

Concen: 3.09 ng/ul

RT: 8.22 min Scan# 270

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

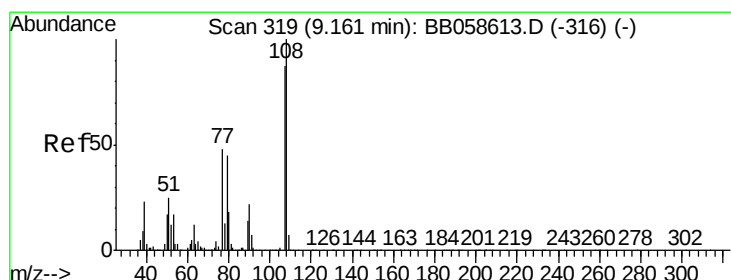
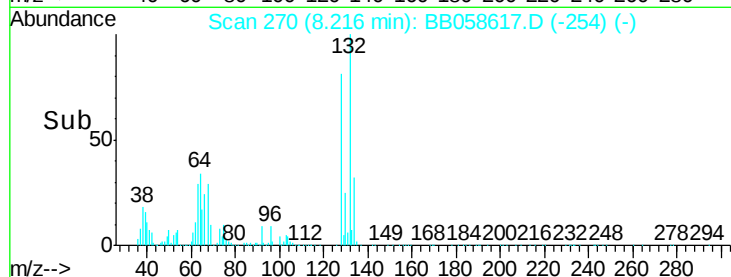
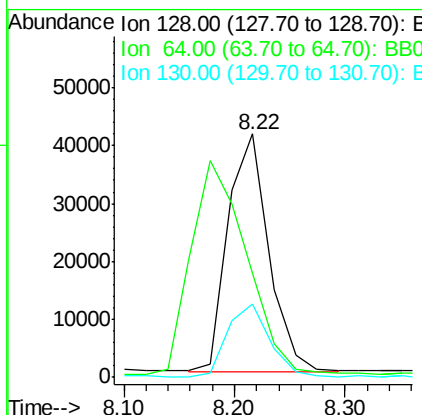
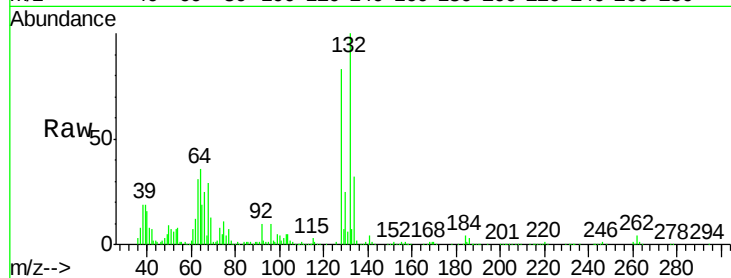
ClientSampleId :

MDL-03-W

Tgt Ion:	128	Resp:	105424
Ion Ratio	Lower	Upper	
128	100		
64	42.7	37.5	56.3
130	30.2	25.0	37.4

Manual Integrations
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#11

2-Methylphenol

Concen: 2.81 ng/ul

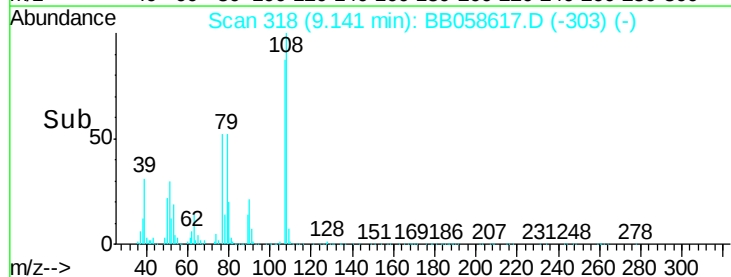
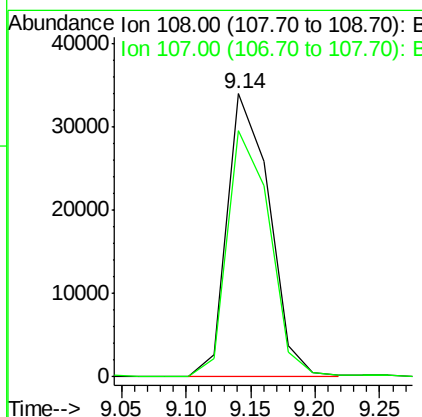
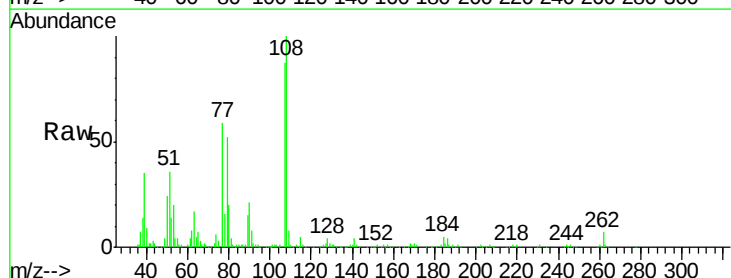
RT: 9.14 min Scan# 318

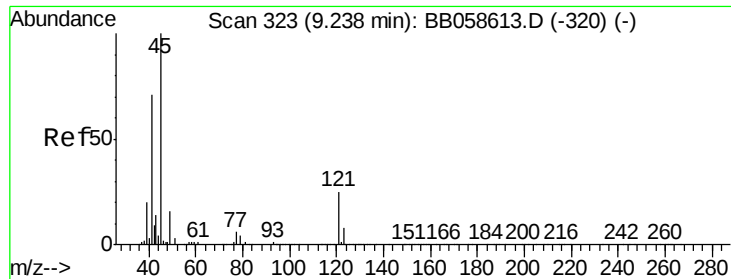
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	108	Resp:	77413
Ion Ratio	Lower	Upper	
108	100		
107	87.2	71.8	107.6





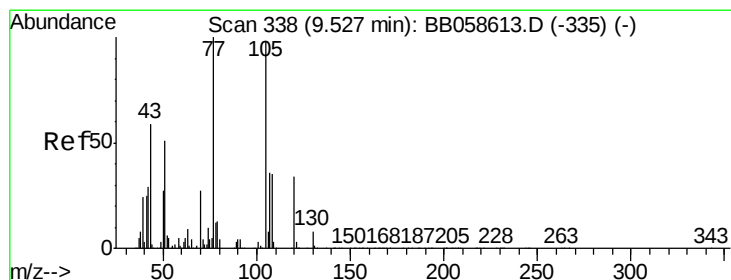
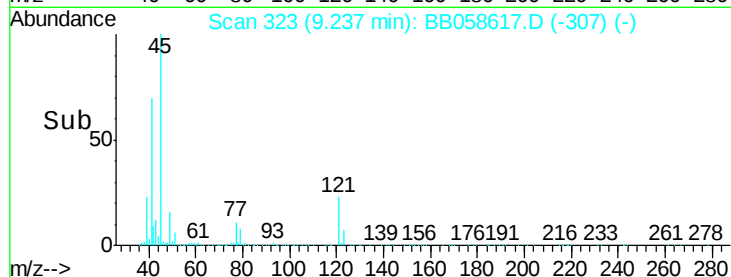
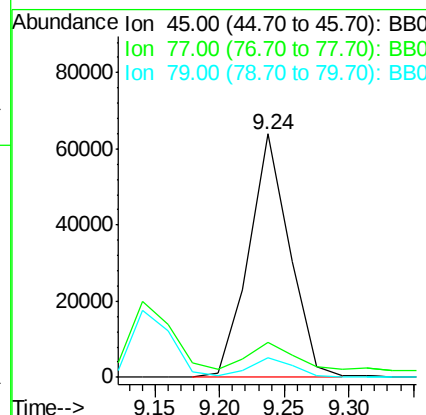
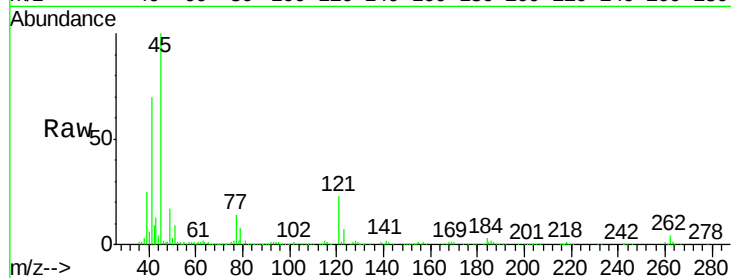
#12
2,2'-oxybis(1-Chloropropane)
Concen: 2.81 ng/ul
RT: 9.24 min Scan# 323
Delta R.T. -0.00 min
Lab File: BB058617.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
45	100		
77	14.2	14.1	21.1
79	8.1	10.4	15.6#

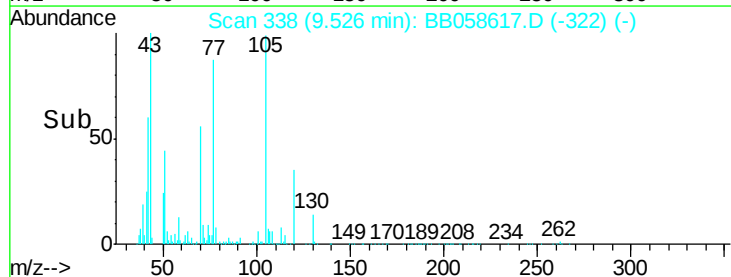
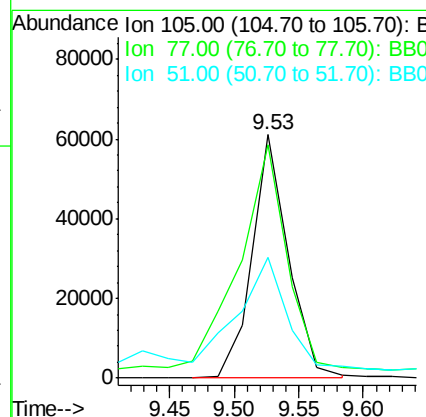
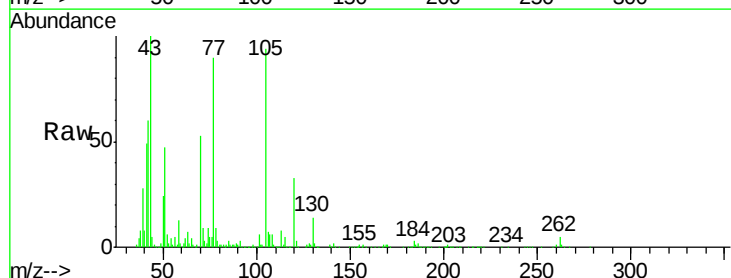
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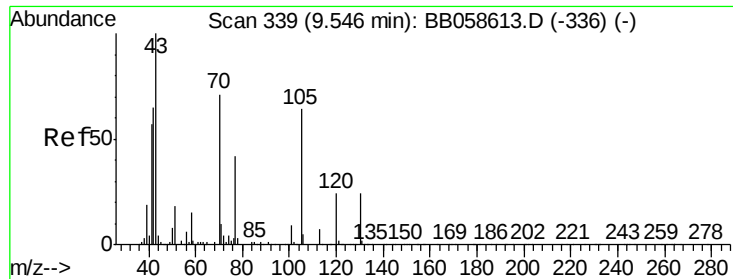
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10/13/2016 11:12:32 AM



#14
Acetophenone
Concen: 2.83 ng/ul
RT: 9.53 min Scan# 338
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
77	95.9	65.9	98.9
51	49.7	22.2	33.2#





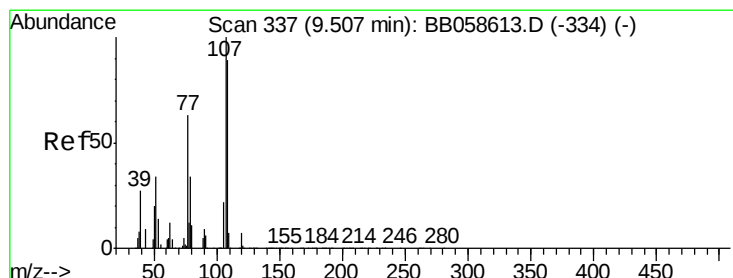
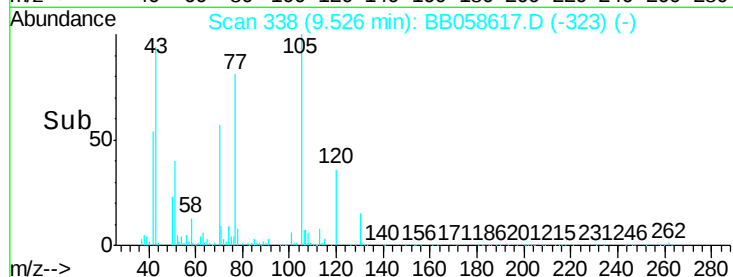
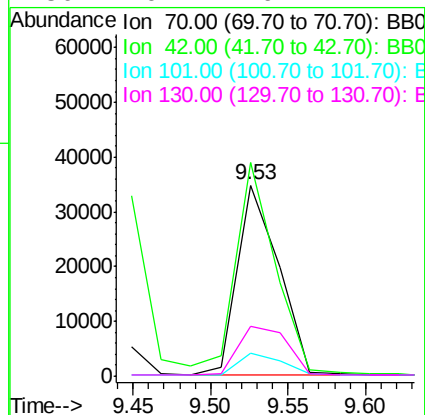
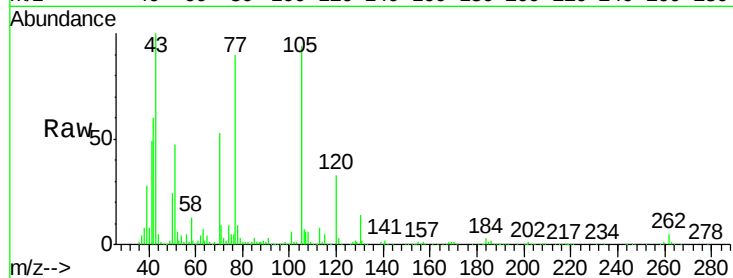
#15
N-Nitroso-di-n-propylamine
Concen: 2.64 ng/ul
RT: 9.53 min Scan# 338
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampleId :
MDL-03-W

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	111.8	43.4	65.2#	
101	11.9	7.8	11.6#	
130	26.1	16.2	24.4#	

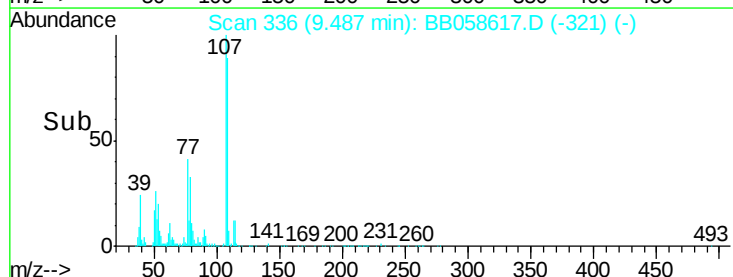
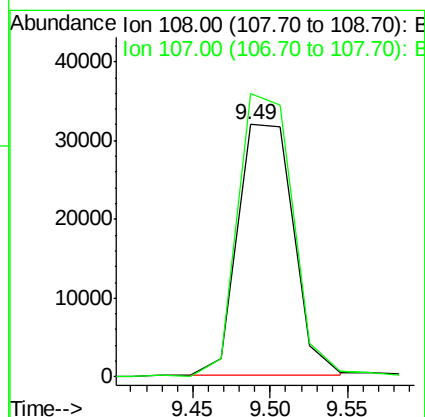
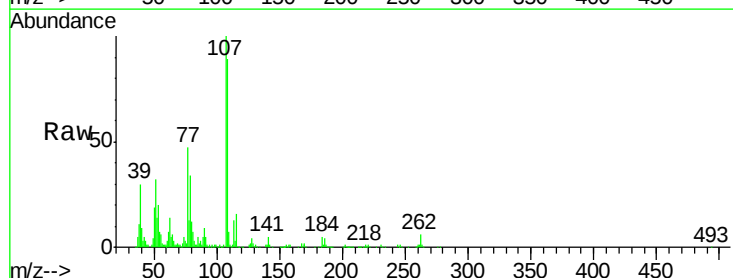
Manual Integrations
APPROVED

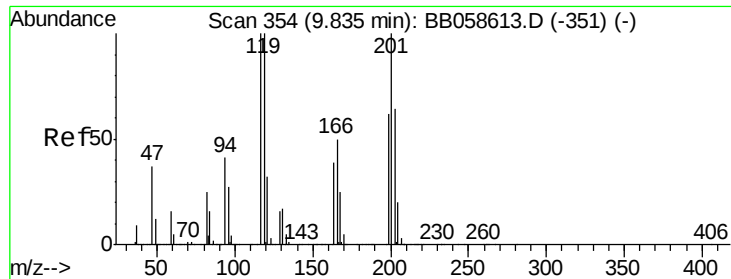
SOHIL
10/13/2016 11:12:32 AM



#16
4-Methylphenol
Concen: 2.72 ng/ul
RT: 9.49 min Scan# 336
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	112.1	87.8	131.8	





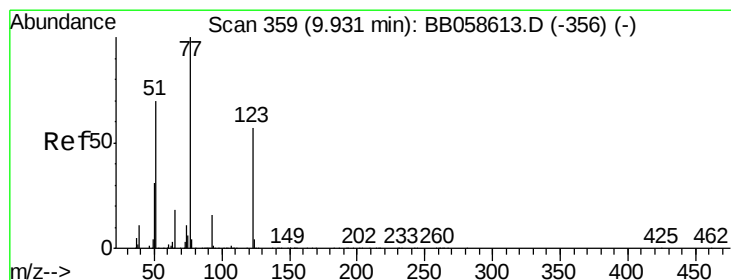
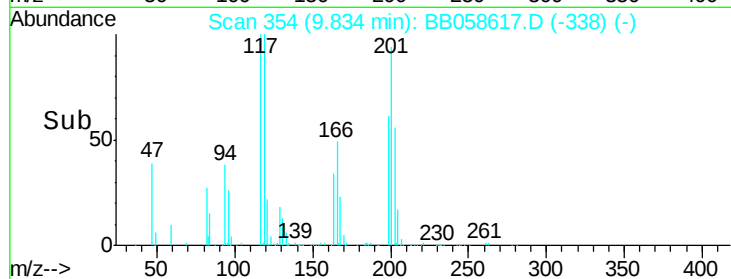
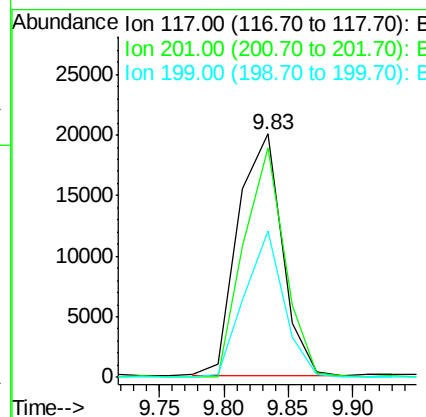
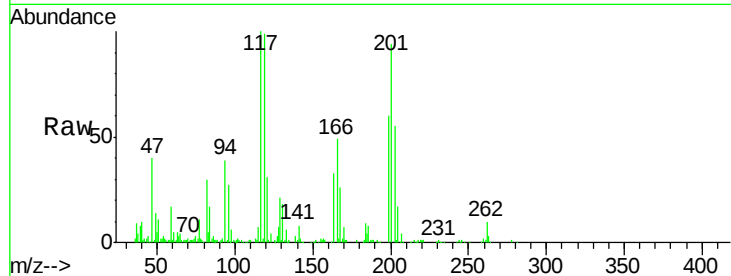
#17
Hexachloroethane
Concen: 2.85 ng/ul
RT: 9.83 min Scan# 354
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampled :
MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47193		
201	94.0	90.3	135.5	
199	60.2	58.5	87.7	

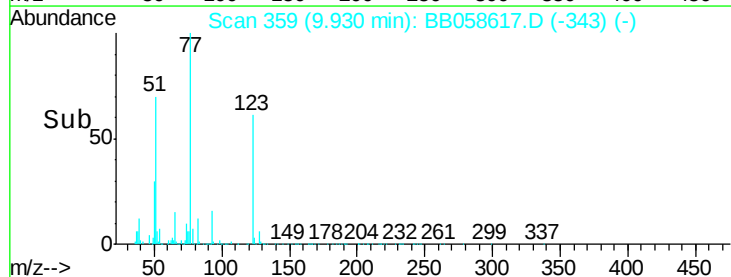
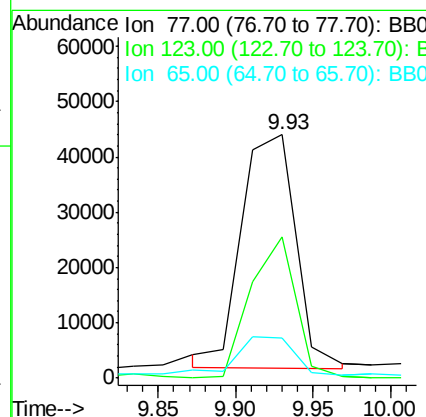
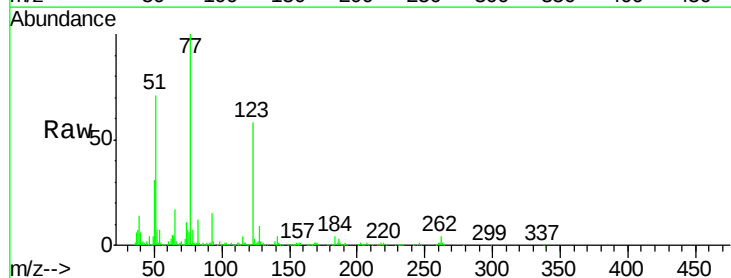
Manual Integrations
APPROVED

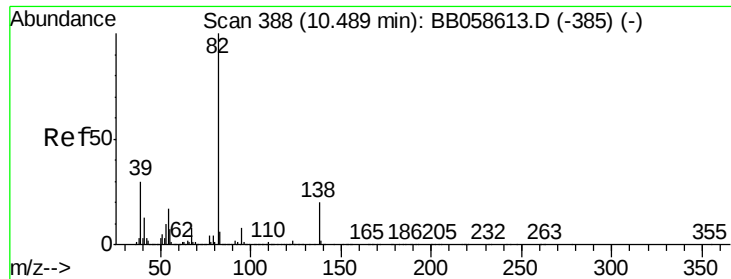
SOHIL
10/13/2016 11:12:32 AM



#20
Nitrobenzene
Concen: 3.06 ng/ul
RT: 9.93 min Scan# 359
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	103587		
123	58.0	34.2	51.4#	
65	16.5	11.0	16.6	





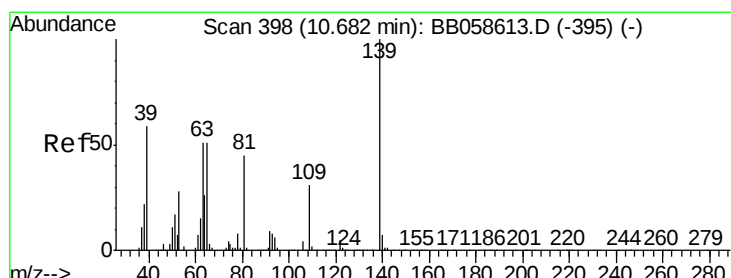
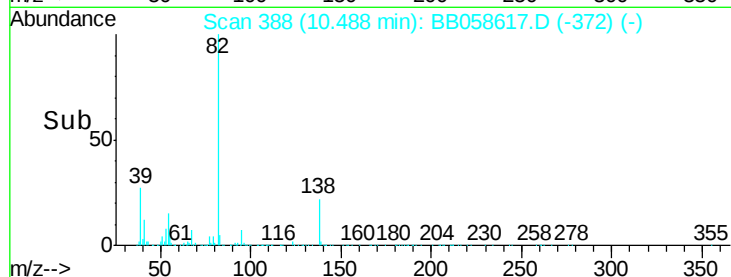
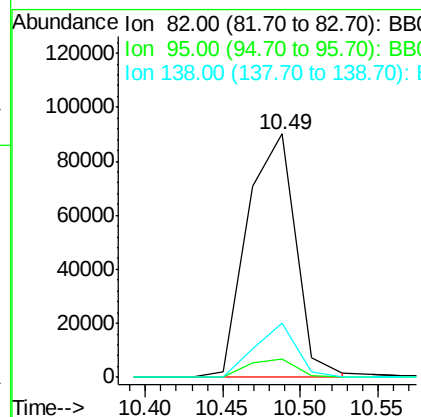
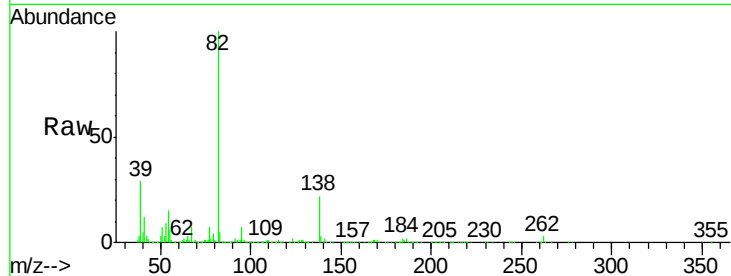
#21
Isophorone
Concen: 3.01 ng/ul
RT: 10.49 min Scan# 388
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampleId :
MDL-03-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
95	7.4	6.9	10.3
138	22.1	13.8	20.8

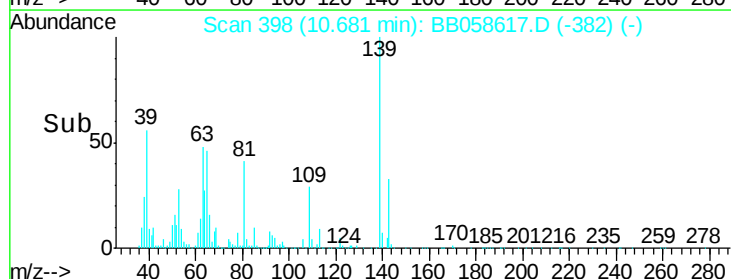
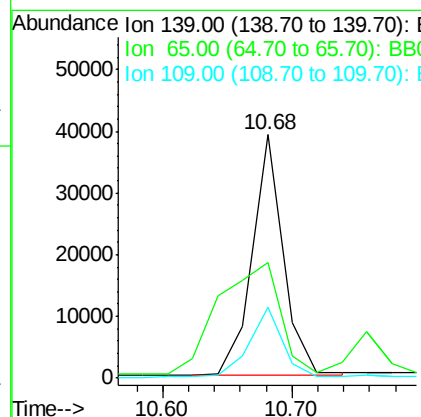
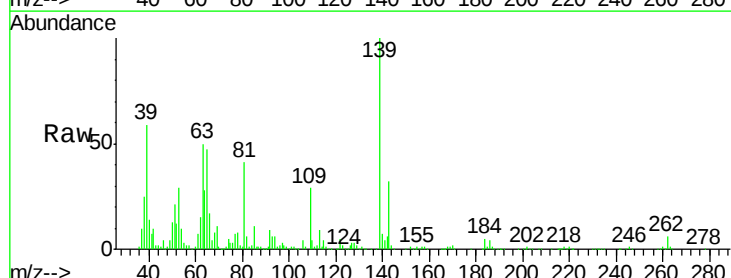
Manual Integrations
APPROVED

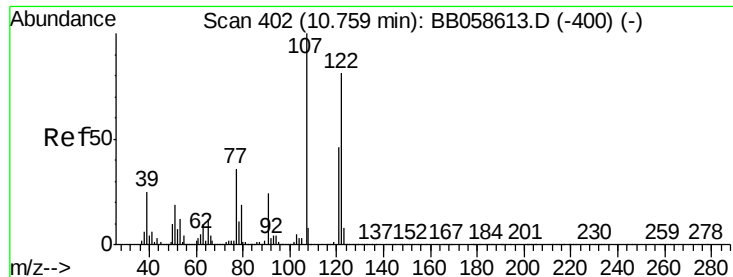
SOHIL
10/13/2016 11:12:32 AM



#23
2-Nitrophenol
Concen: 3.21 ng/ul
RT: 10.68 min Scan# 398
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
139	100		
65	47.5	44.2	66.4
109	29.1	28.2	42.4





#24

2,4-Dimethylphenol

Concen: 3.02 ng/ul

RT: 10.76 min Scan# 402

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

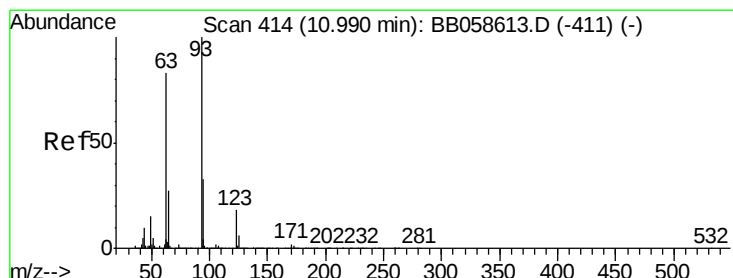
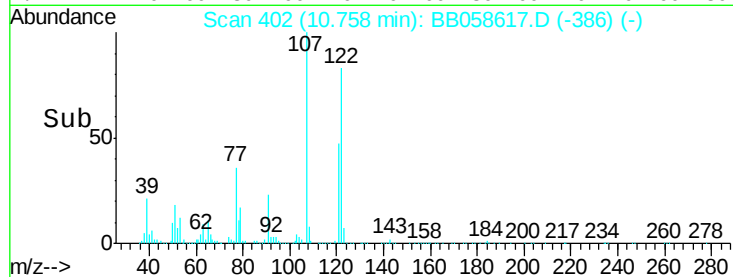
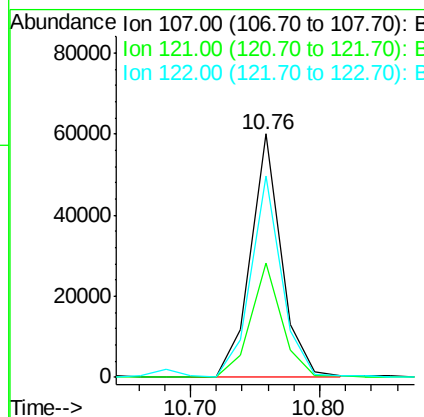
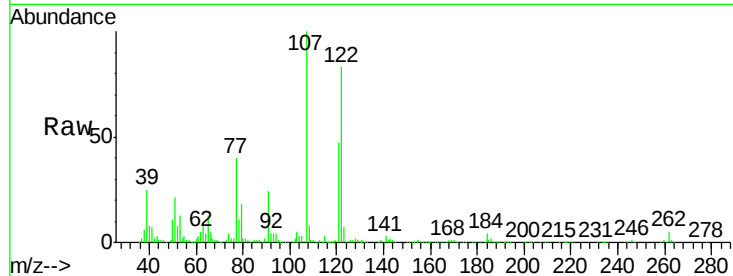
ClientSampled :

MDL-03-W

Tgt Ion:	107	Resp:	100287
Ion Ratio		Lower	Upper
107	100		
121	47.0	37.1	55.7
122	82.9	62.8	94.2

Manual Integrations
APPROVED

SOHIL
10/13/2016 11:12:32 AM



#25

Bis(2-Chloroethoxy)methane

Concen: 2.91 ng/ul

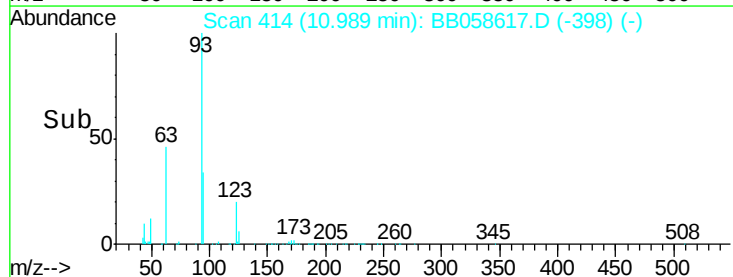
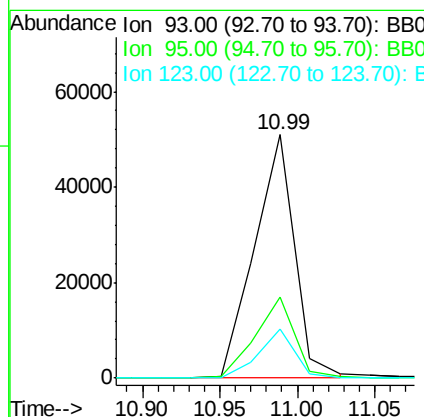
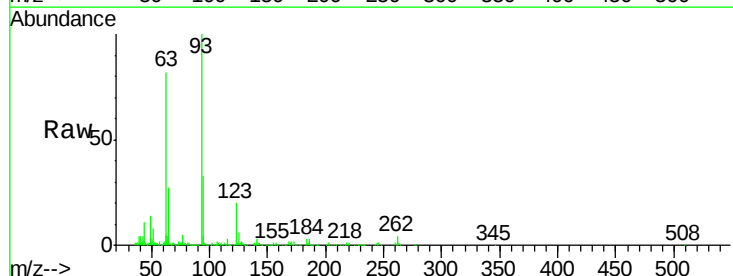
RT: 10.99 min Scan# 414

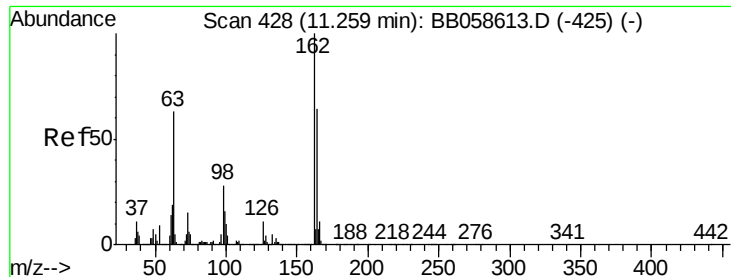
Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	93	Resp:	91902
Ion Ratio		Lower	Upper
93	100		
95	33.4	25.4	38.0
123	20.0	8.3	12.5#





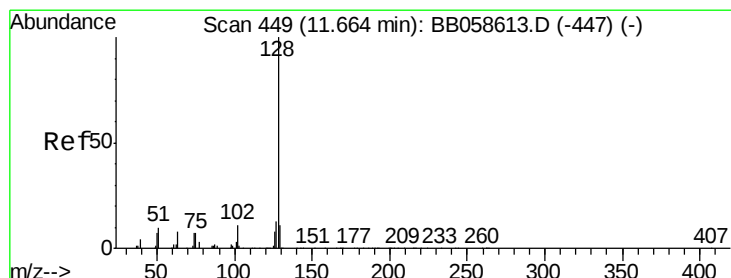
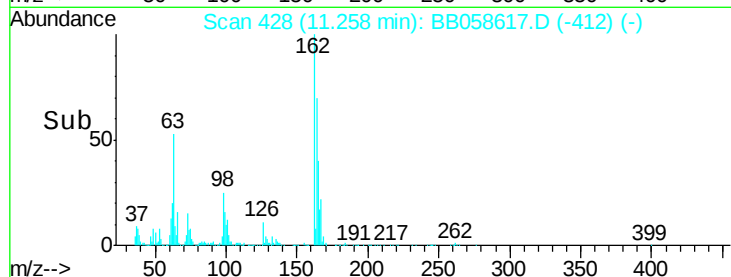
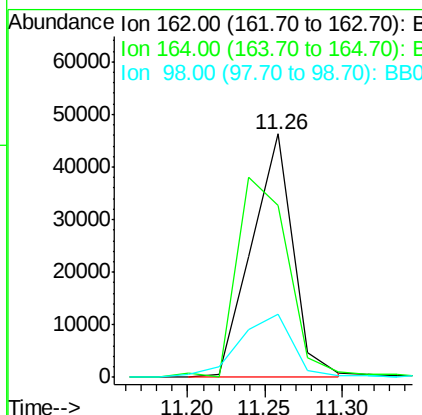
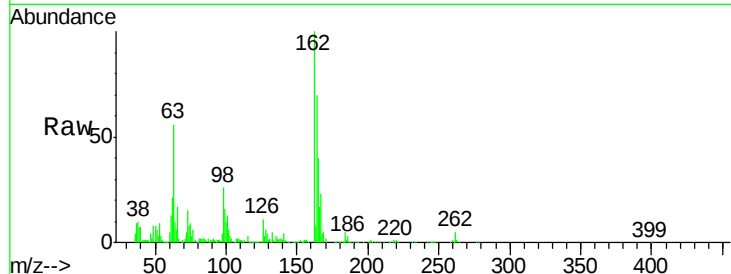
#27
 2,4-Dichlorophenol
 Concen: 3.14 ng/ul
 RT: 11.26 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Instrument :
 BNA_B
 ClientSampleId :
 MDL-03-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	70.5	51.6	77.4
98	25.8	28.4	42.6

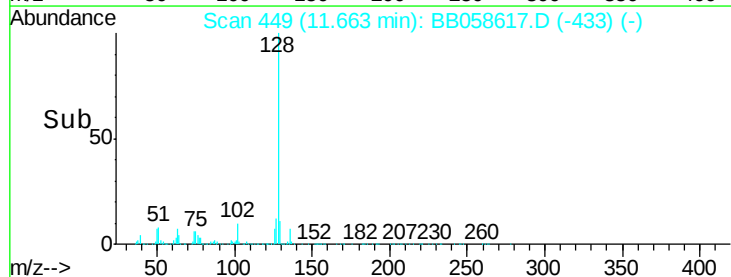
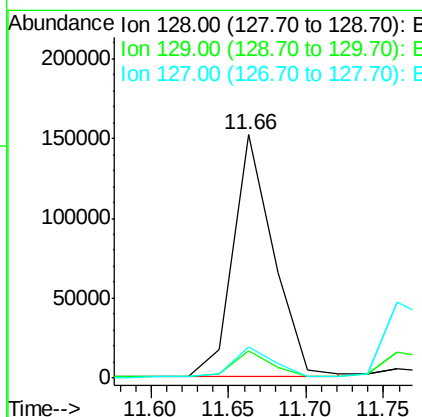
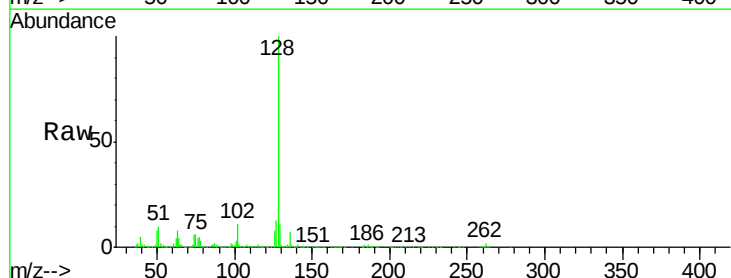
Manual Integrations
 APPROVED

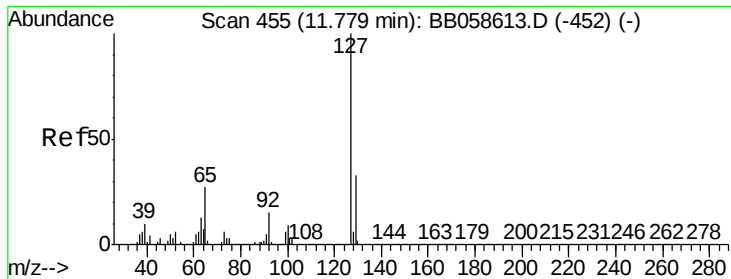
SOHIL
 10/13/2016 11:12:32 AM



#28
 Naphthalene
 Concen: 3.32 ng/ul
 RT: 11.66 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.0	8.6	12.8
127	12.7	10.6	15.8





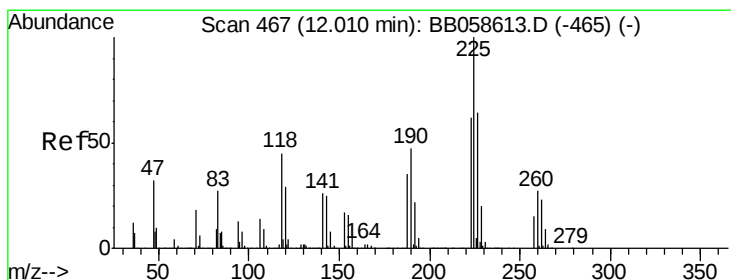
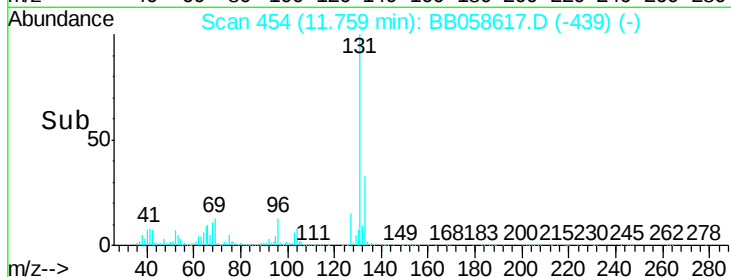
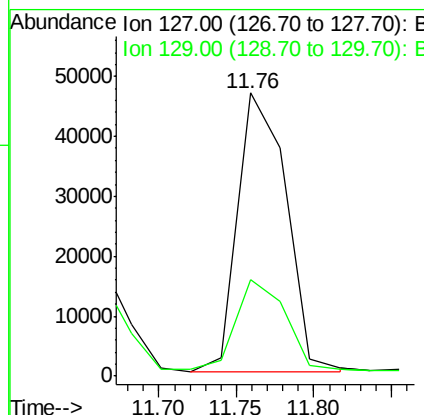
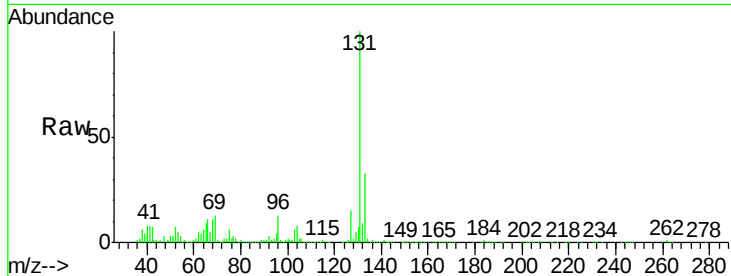
#30
4-Chloroaniline
Concen: 3.26 ng/ul
RT: 11.76 min Scan# 454
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampleId :
MDL-03-W

Tgt Ion:127 Resp: 102573
Ion Ratio Lower Upper
127 100
129 34.2 24.6 37.0

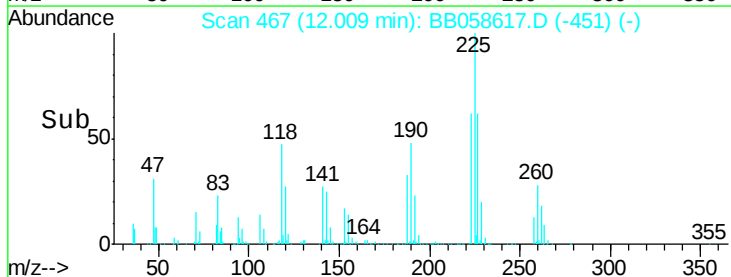
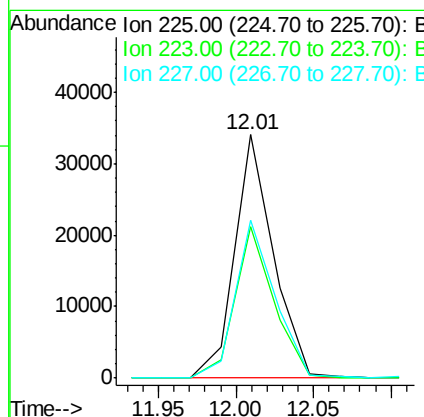
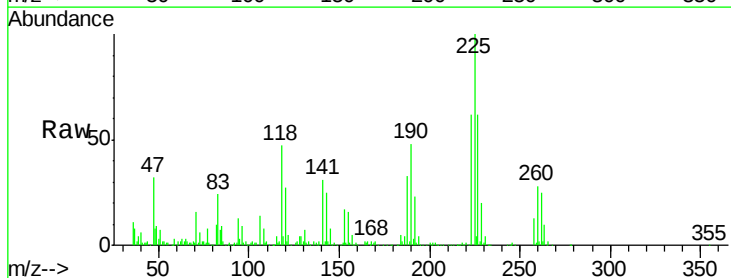
Manual Integrations
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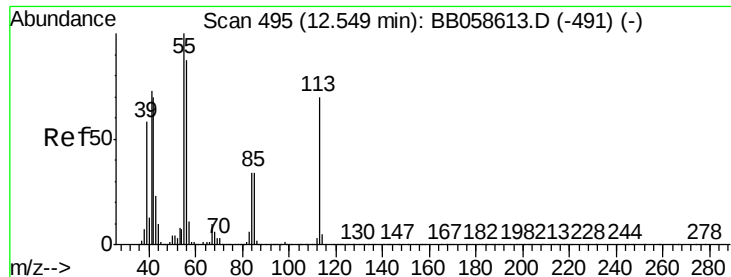
SOHIL
10/13/2016 11:12:32 AM



#31
Hexachlorobutadiene
Concen: 3.19 ng/ul
RT: 12.01 min Scan# 467
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion:225 Resp: 60077
Ion Ratio Lower Upper
225 100
223 62.0 51.2 76.8
227 64.7 52.5 78.7





#32

Caprolactam

Concen: 2.49 ng/ul

RT: 12.59 min Scan# 497

Delta R.T. 0.04 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

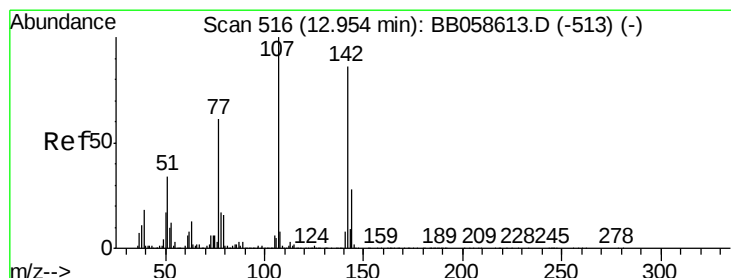
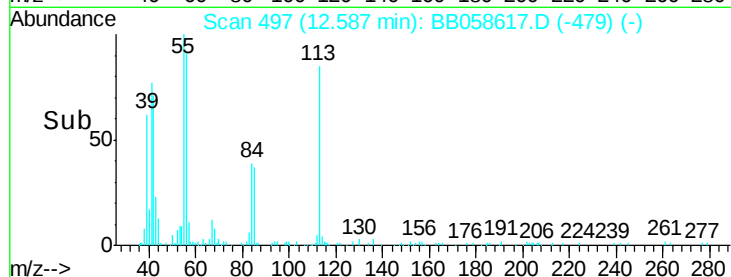
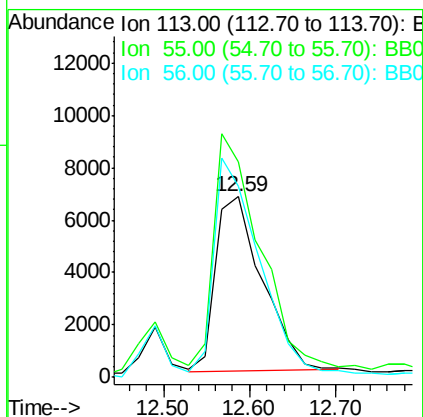
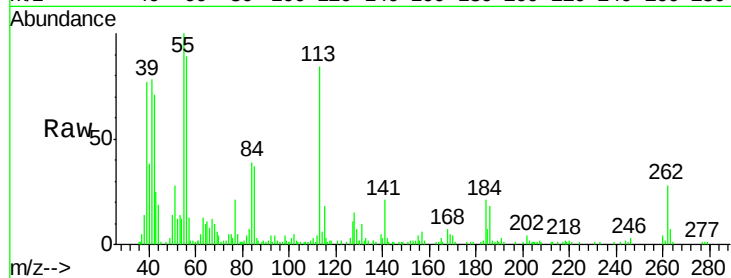
ClientSampled :

MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	24913		
55	119.4	121.9	182.9#	
56	106.2	97.4	146.0	

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#33

4-Chloro-3-methylphenol

Concen: 2.98 ng/ul

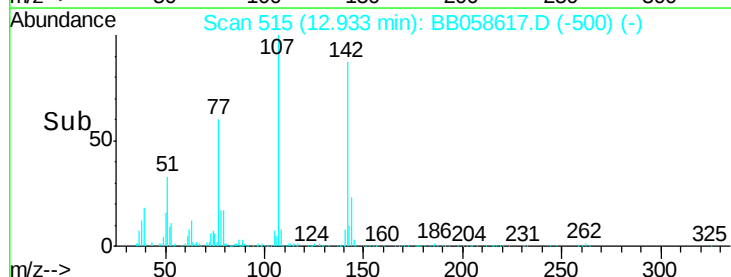
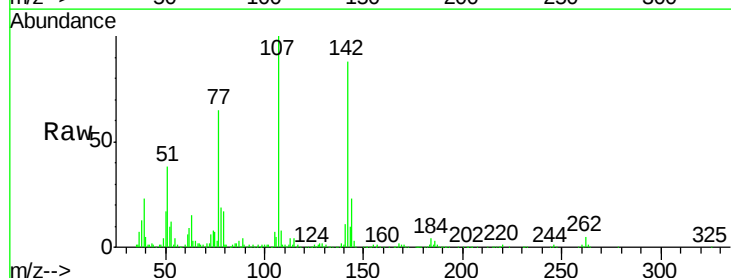
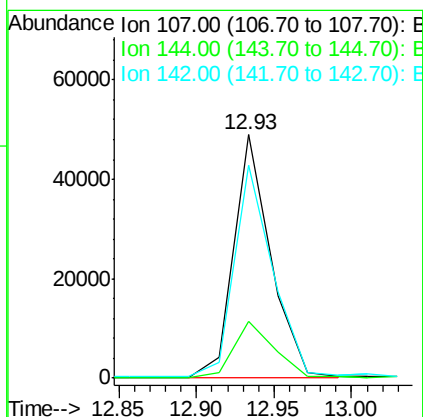
RT: 12.93 min Scan# 515

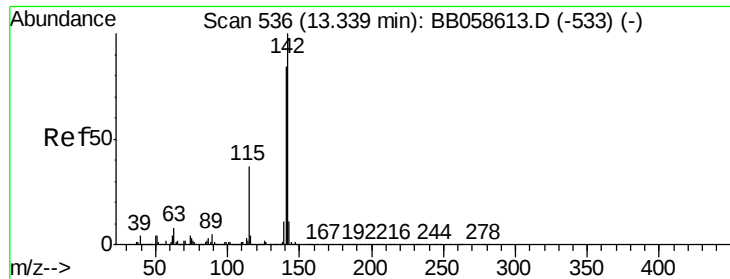
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	82037		
144	23.4	21.1	31.7	
142	87.6	64.1	96.1	





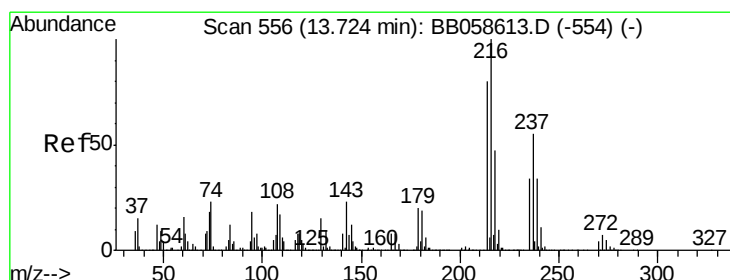
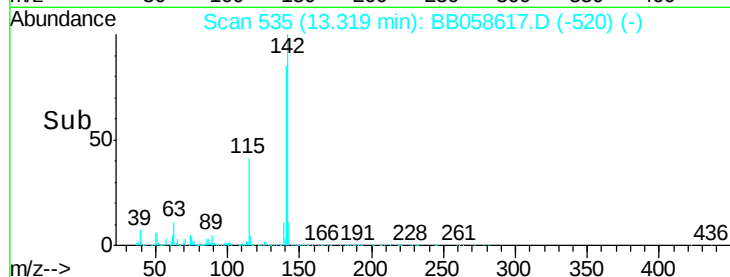
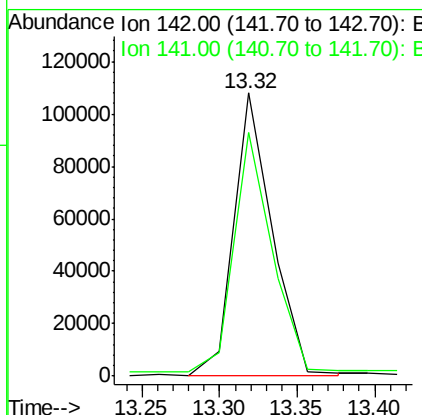
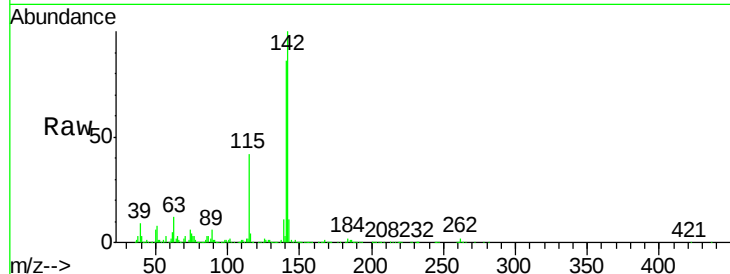
#34
 2-Methylnaphthalene
 Concen: 3.25 ng/ul
 RT: 13.32 min Scan# 535
 Delta R.T. -0.02 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Instrument :
 BNA_B
 ClientSampleId :
 MDL-03-W

Tgt Ion:142 Resp: 186408
 Ion Ratio Lower Upper
 142 100
 141 86.3 71.3 106.9

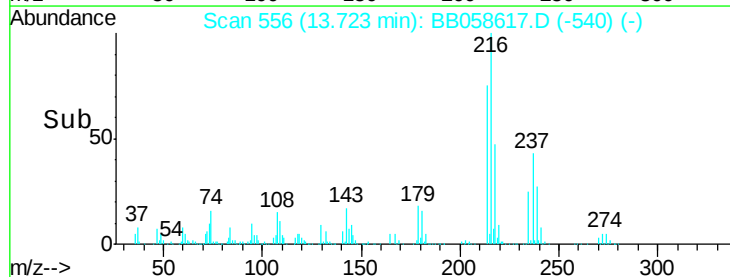
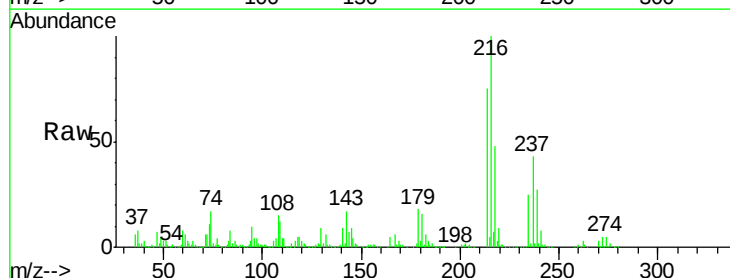
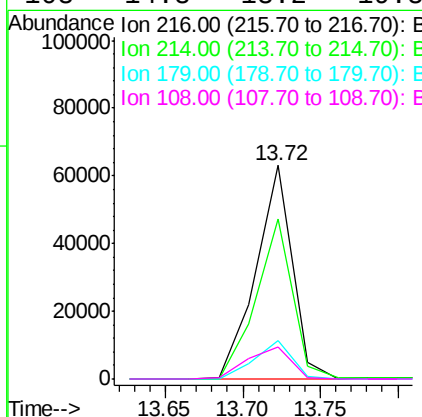
Manual Integrations
 APPROVED

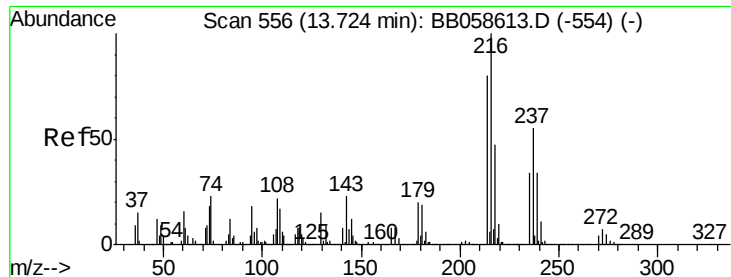
SOHIL
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#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.22 ng/ul
 RT: 13.72 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Tgt Ion:216 Resp: 104618
 Ion Ratio Lower Upper
 216 100
 214 75.1 64.8 97.2
 179 17.9 16.7 25.1
 108 14.8 13.2 19.8





#37

Hexachlorocyclopentadiene

Concen: 1.95 ng/ul

RT: 13.72 min Scan# 556

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

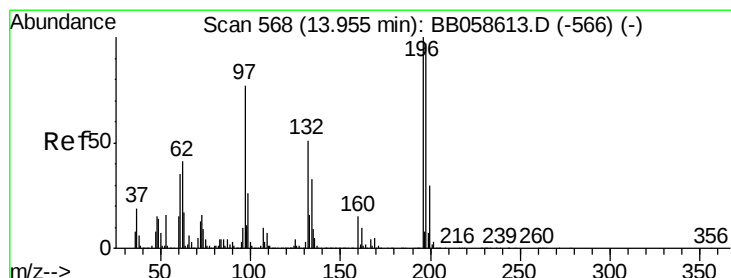
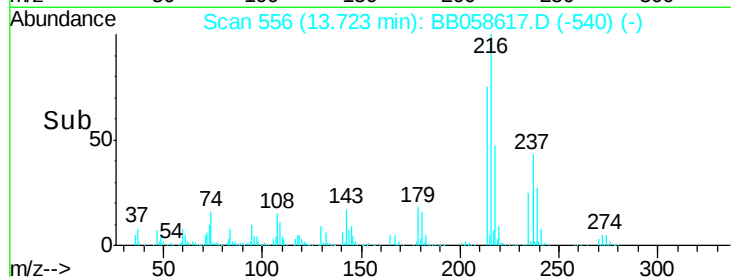
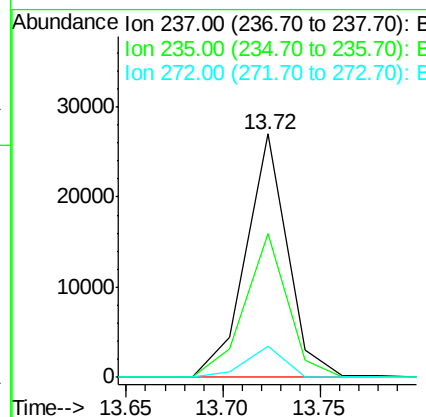
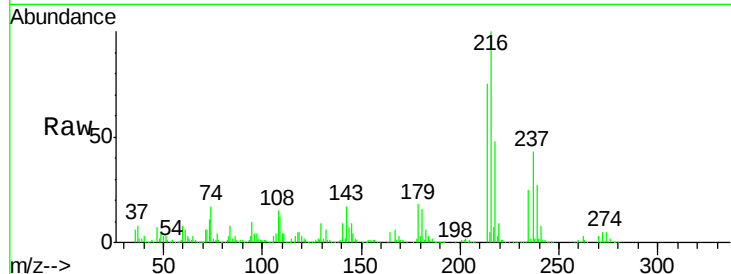
ClientSampleId :

MDL-03-W

Tgt Ion:	237	Resp:	40069
Ion Ratio	Lower	Upper	
237	100		
235	55.9	49.6	74.4
272	11.9	10.4	15.6

Manual Integrations
APPROVED

SOHIL
10/13/2016 11:12:32 AM



#38

2,4,6-Trichlorophenol

Concen: 3.18 ng/ul

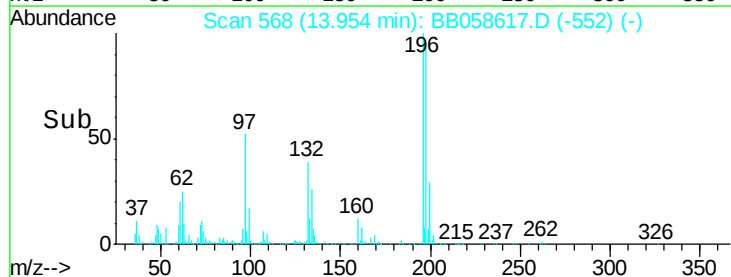
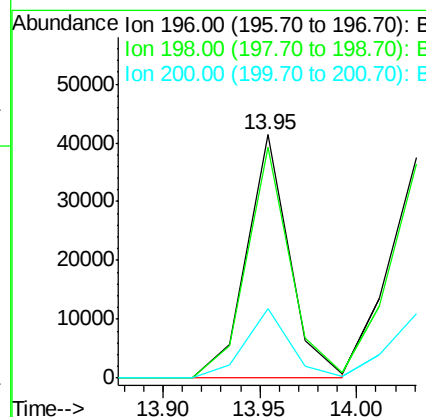
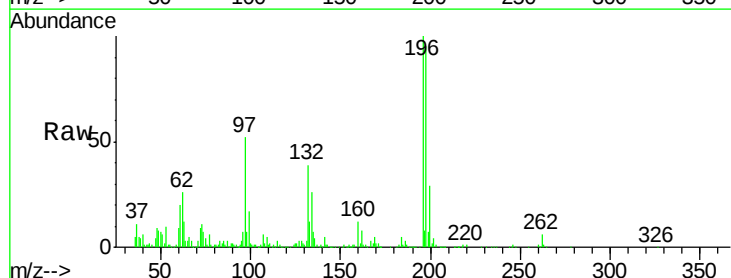
RT: 13.95 min Scan# 568

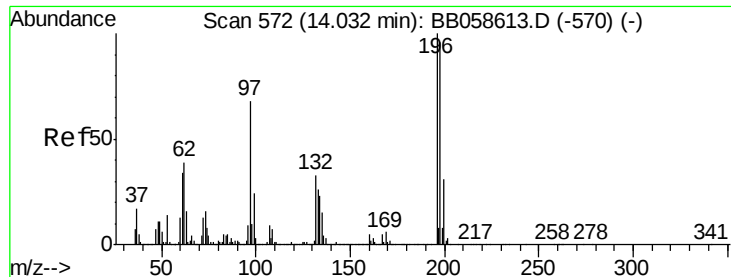
Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	196	Resp:	62821
Ion Ratio	Lower	Upper	
196	100		
198	94.6	76.9	115.3
200	28.7	25.1	37.7





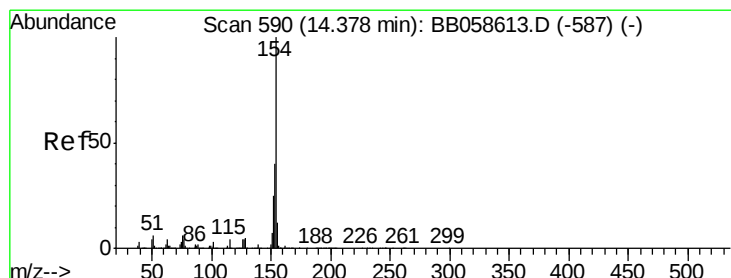
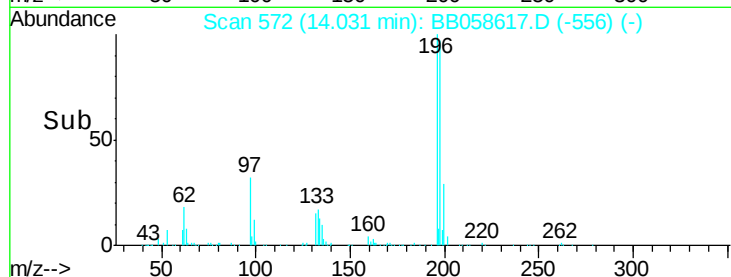
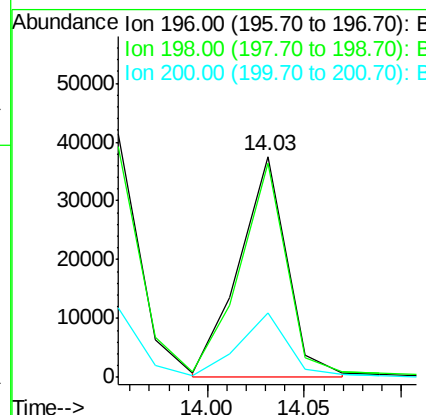
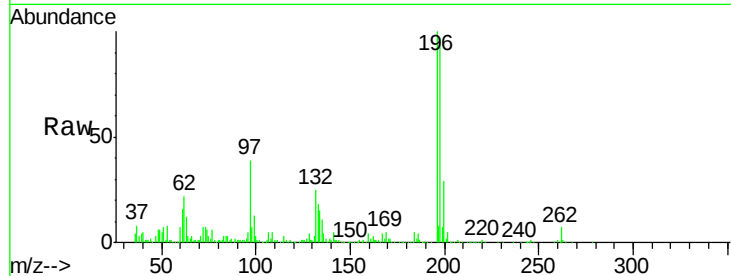
#39
 2,4,5-Trichlorophenol
 Concen: 3.04 ng/ul
 RT: 14.03 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Instrument :
 BNA_B
 ClientSampled :
 MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	63837		
198	96.7	76.8	115.2	
200	29.3	27.0	40.4	

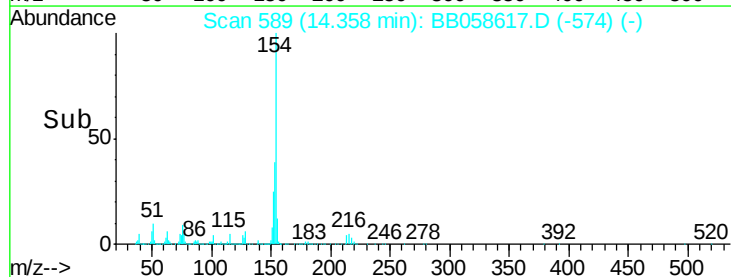
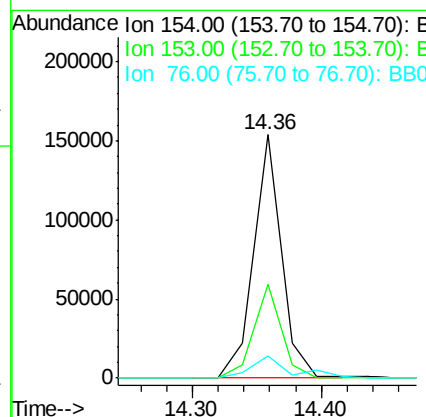
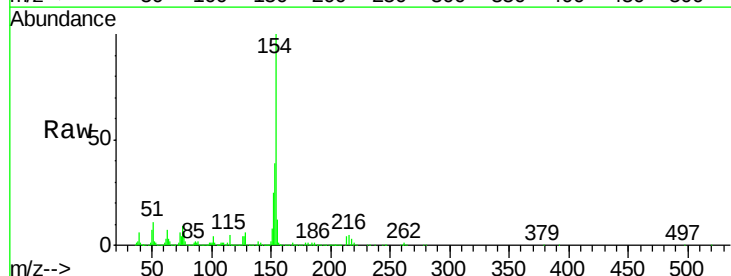
Manual Integrations
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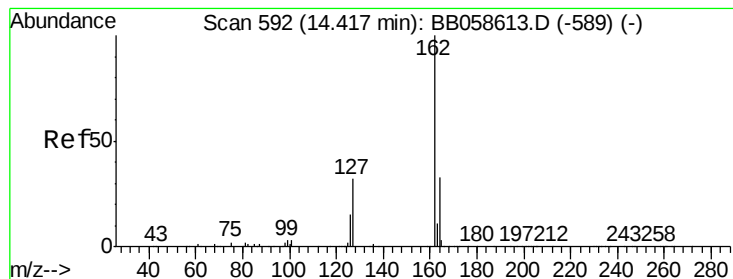
SOHIL
 10/13/2016 11:12:32 AM



#40
 1,1'-Biphenyl
 Concen: 3.25 ng/ul
 RT: 14.36 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	230552		
153	38.6	31.3	46.9	
76	9.3	10.0	15.0	





#41

2-Chloronaphthalene

Concen: 3.11 ng/ul

RT: 14.40 min Scan# 591

Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

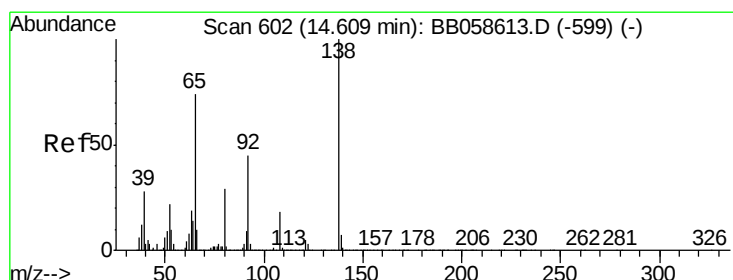
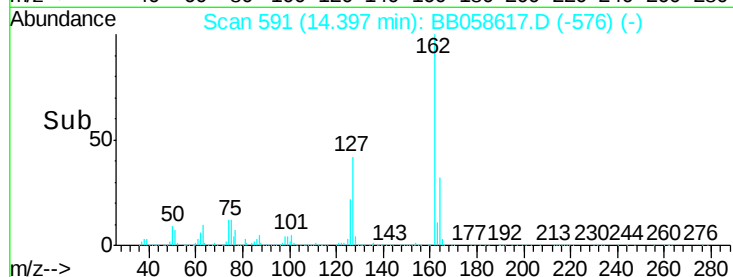
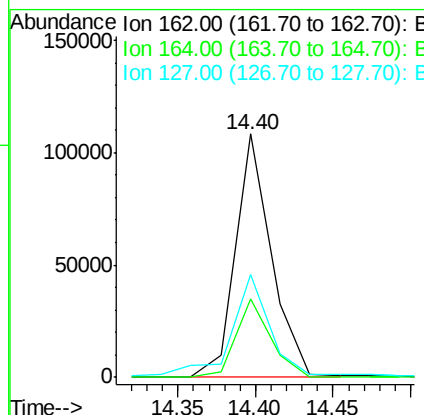
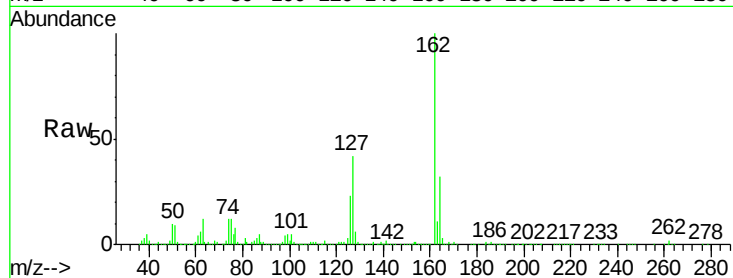
ClientSampled :

MDL-03-W

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
164	32.2	26.9	40.3
127	42.2	31.2	46.8

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#42

2-Nitroaniline

Concen: 2.67 ng/ul

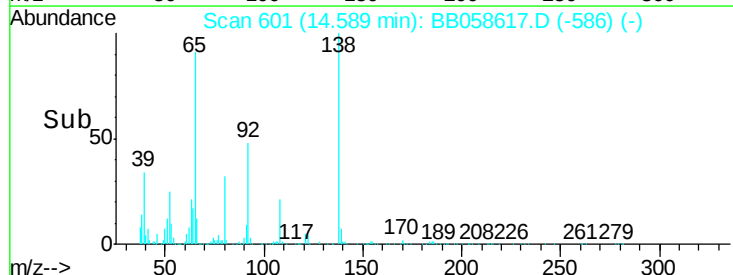
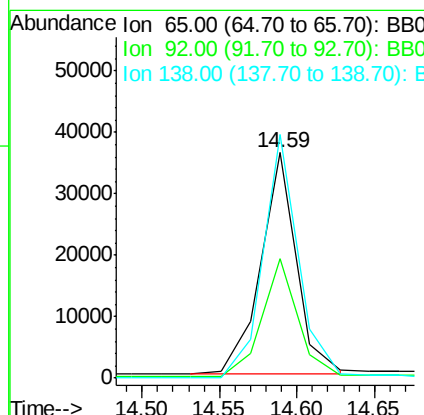
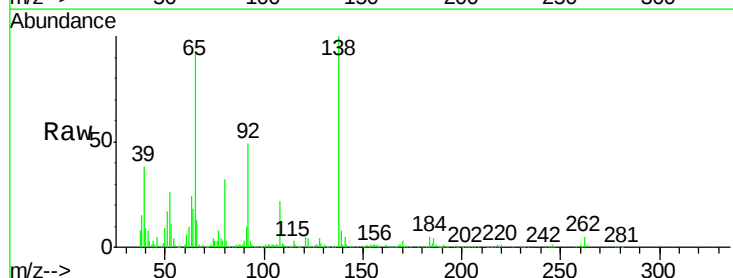
RT: 14.59 min Scan# 601

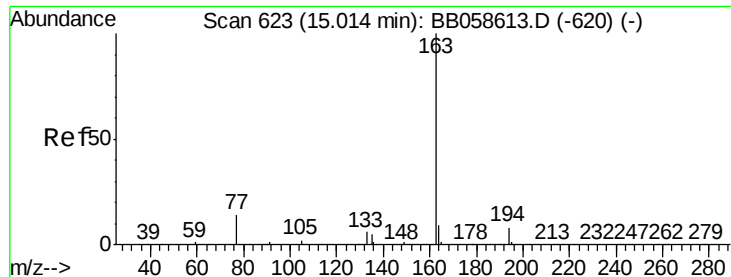
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	52.8	55.6	83.4#
138	108.0	81.3	121.9





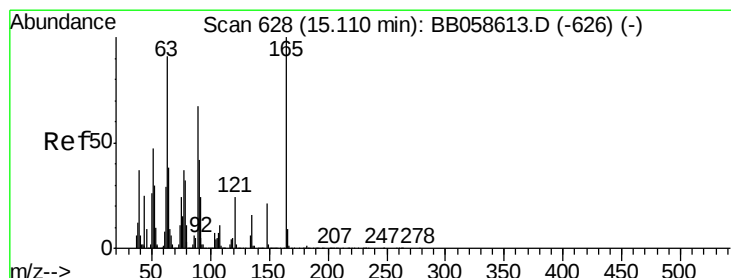
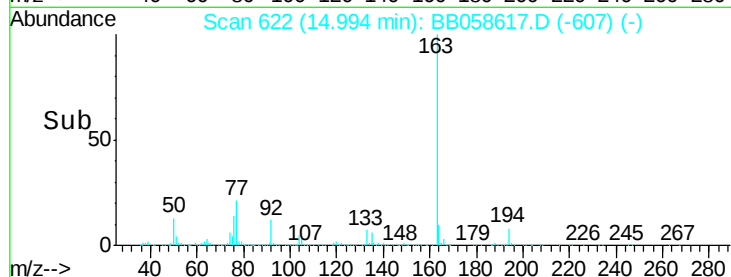
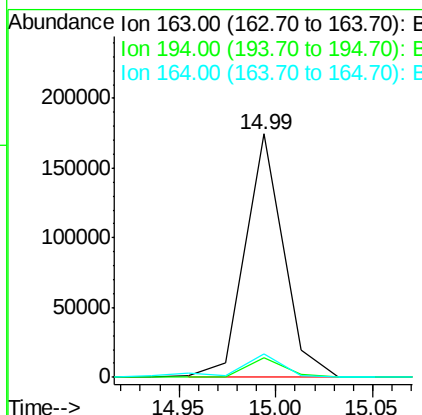
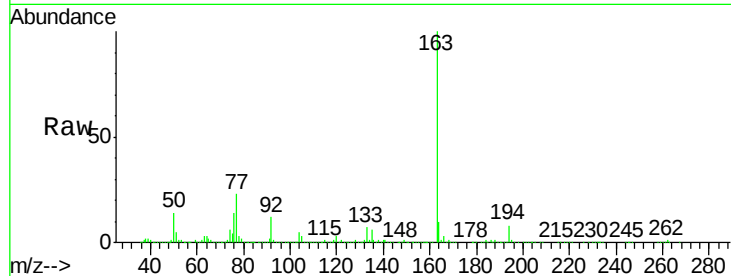
#44
Dimethylphthalate
Concen: 3.32 ng/ul
RT: 14.99 min Scan# 622
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampleId :
MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	234080		
194	7.9	3.4	5.2#	
164	9.8	7.8	11.8	

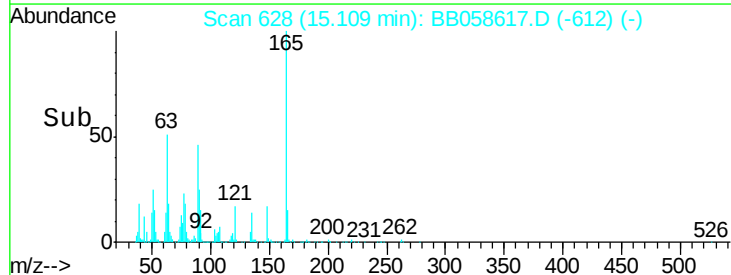
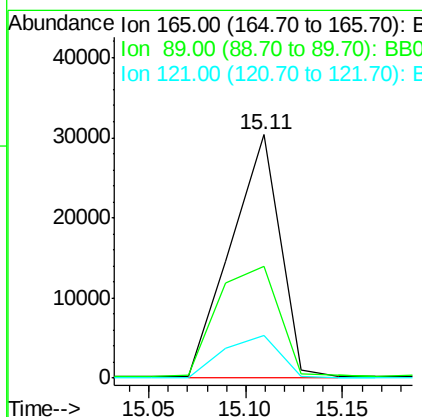
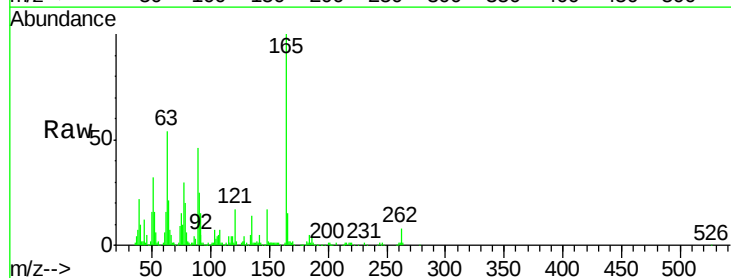
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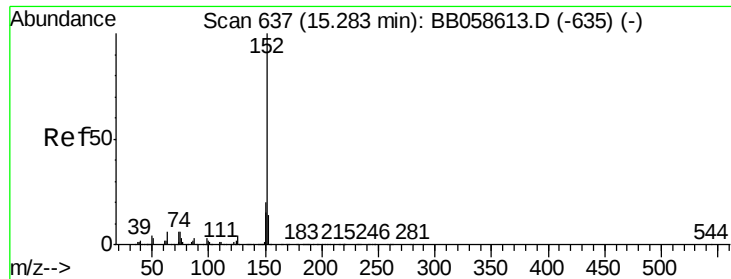
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#45
2,6-Dinitrotoluene
Concen: 2.98 ng/ul
RT: 15.11 min Scan# 628
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	53077		
89	46.1	46.6	69.8#	
121	17.5	16.0	24.0	





#47

Acenaphthylene

Concen: 3.37 ng/ul

RT: 15.28 min Scan# 637

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

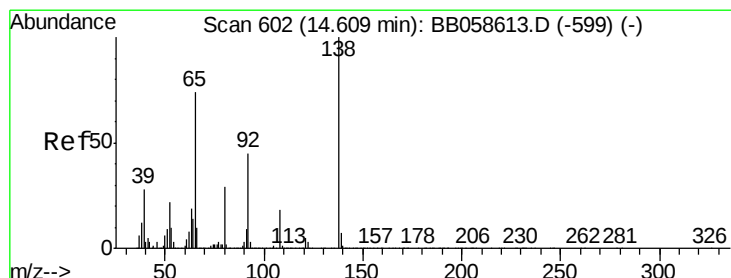
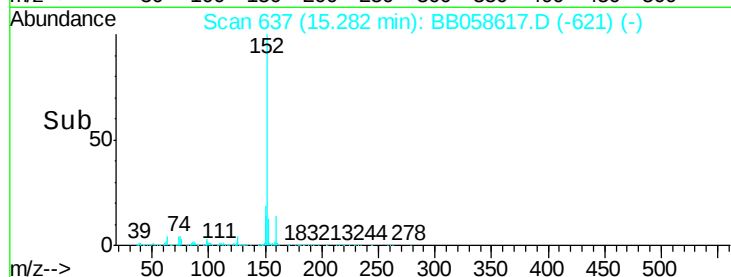
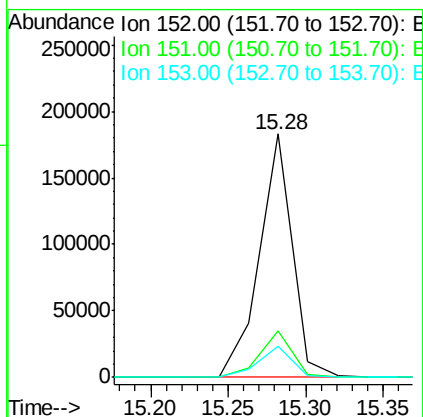
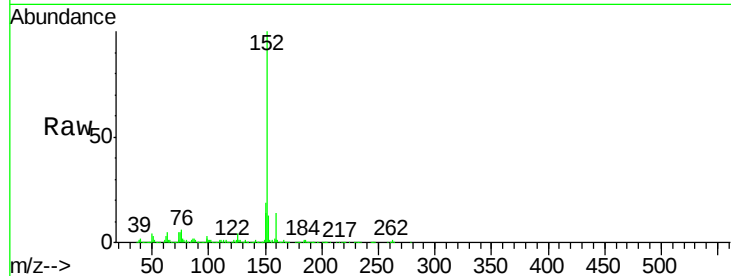
ClientSampled :

MDL-03-W

Tgt	Ion	Resp	Lower	Upper
152	100			
151	19.0	16.0	24.0	
153	12.8	11.0	16.6	

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#48

3-Nitroaniline

Concen: 2.71 ng/ul

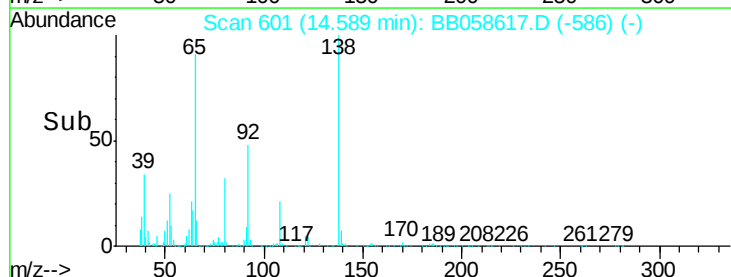
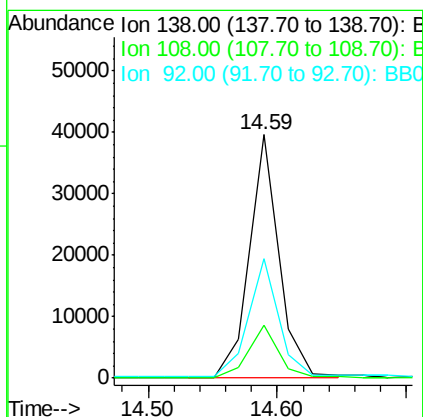
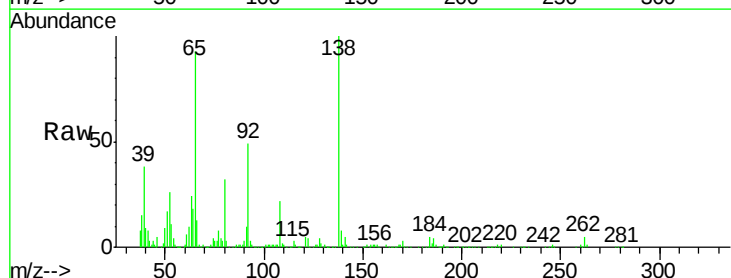
RT: 14.59 min Scan# 601

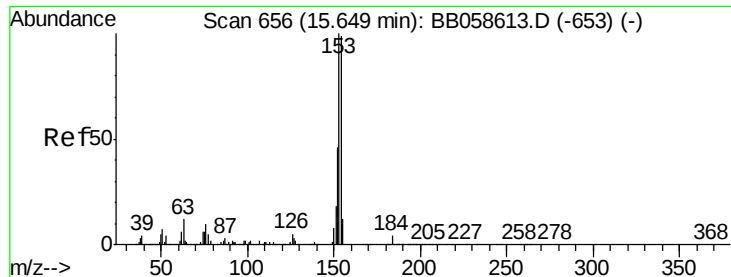
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt	Ion	Resp	Lower	Upper
138	100			
108	21.5	9.4	14.0#	
92	48.9	96.6	145.0#	





#49

Acenaphthene

Concen: 3.17 ng/ul

RT: 15.63 min Scan# 655

Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

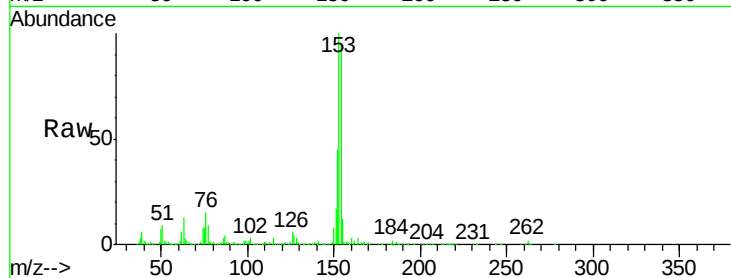
ClientSampleId :

MDL-03-W

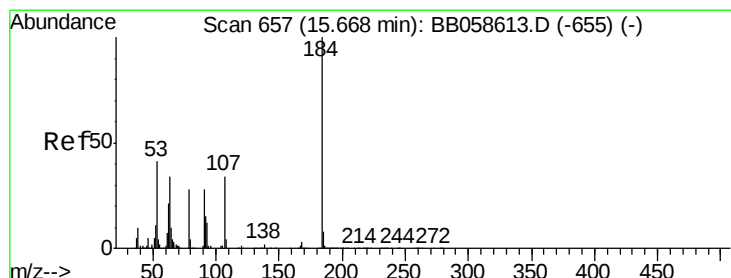
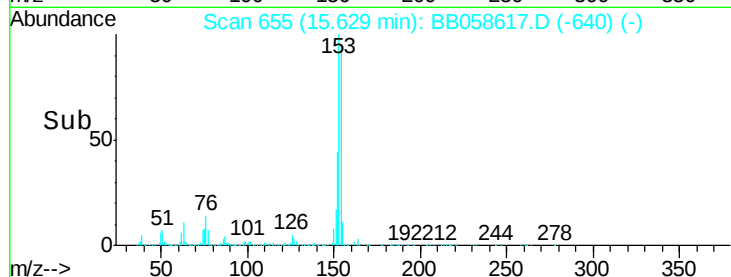
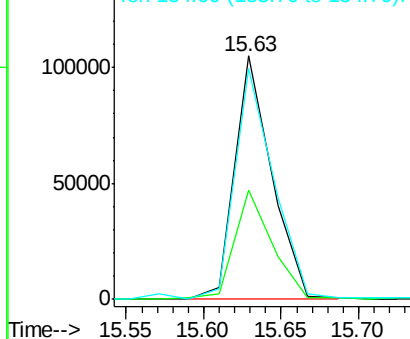
Tgt Ion:	153	Resp:	175138
Ion Ratio		Lower	Upper
153	100		
152	44.7	37.8	56.6
154	95.0	71.4	107.0

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#50

2,4-Dinitrophenol

Concen: 1.54 ng/ul

RT: 15.65 min Scan# 656

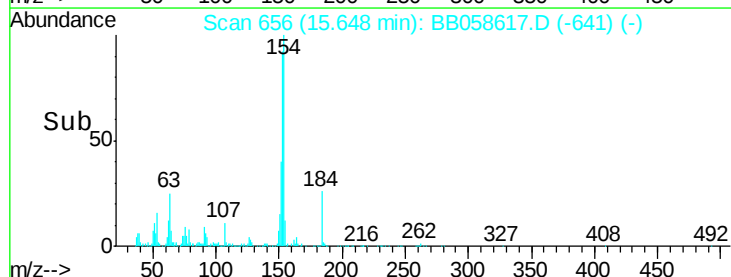
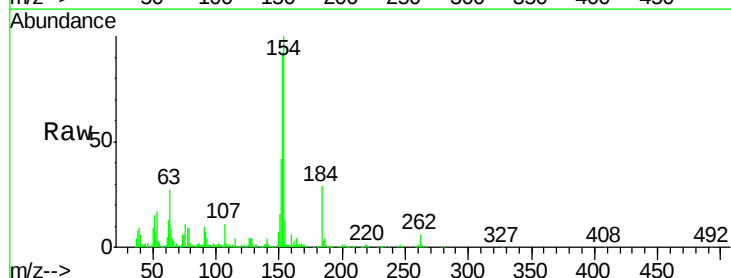
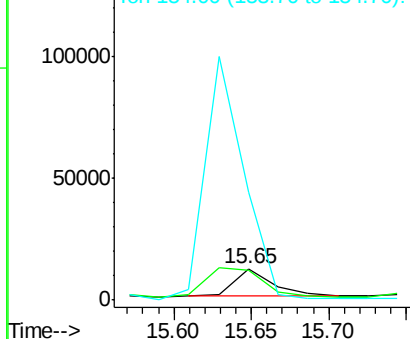
Delta R.T. -0.02 min

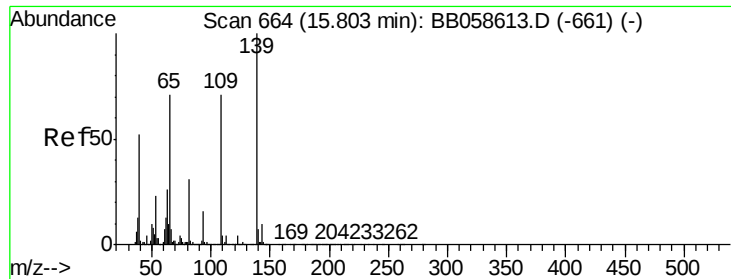
Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	184	Resp:	19486
Ion Ratio		Lower	Upper
184	100		
63	93.4	43.4	65.0#
154	339.6	48.2	72.4#

Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BB0
Ion 154.00 (153.70 to 154.70): E





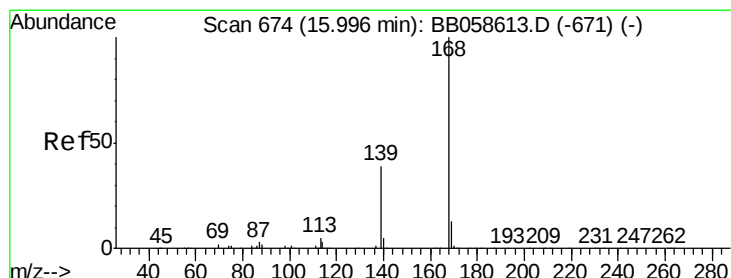
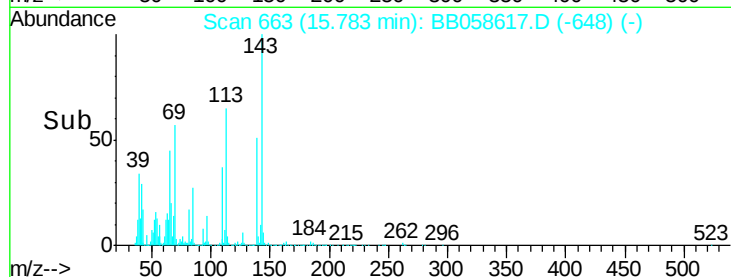
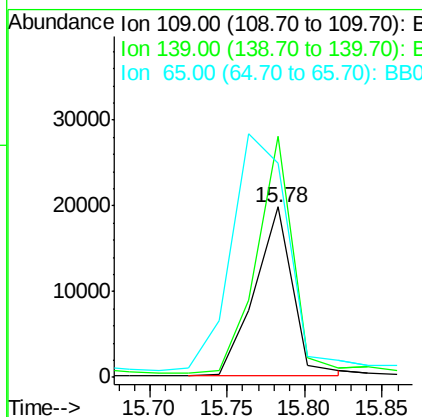
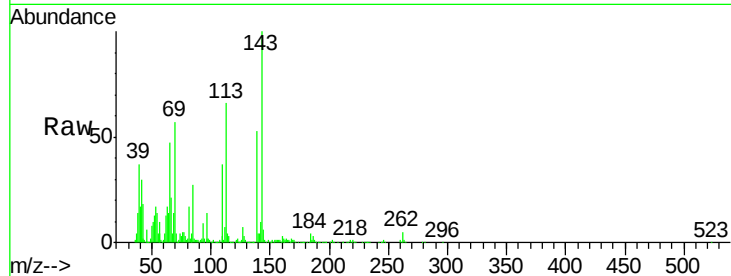
#52
4-Nitrophenol
Concen: 2.58 ng/ul
RT: 15.78 min Scan# 663
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampleId :
MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	33917		
139	141.9	88.7	133.1#	
65	125.5	96.4	144.6	

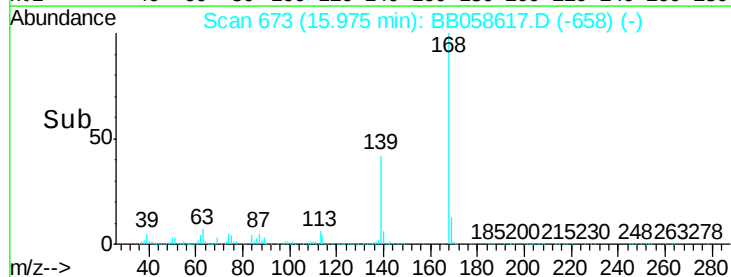
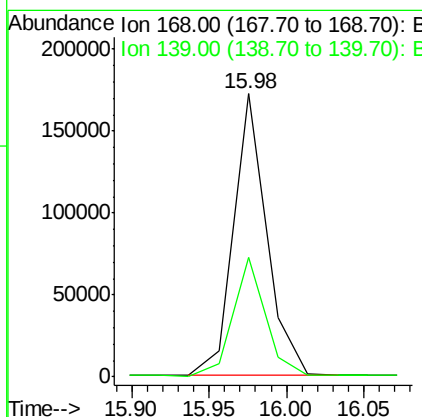
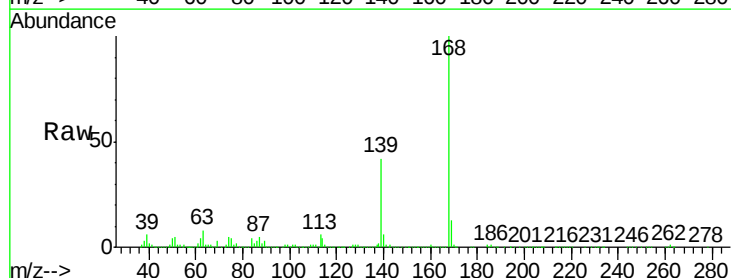
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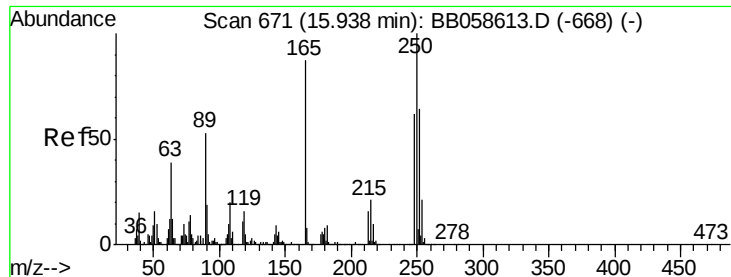
SOHIL
10/13/2016 11:12:32 AM



#53
Dibenzofuran
Concen: 3.29 ng/ul
RT: 15.98 min Scan# 673
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	258962		
139	42.4	30.1	45.1	





#54

2,4-Dinitrotoluene

Concen: 2.95 ng/ul

RT: 15.92 min Scan# 670

Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

ClientSampleId :

MDL-03-W

Tgt Ion:165 Resp: 73326
Ion Ratio Lower Upper

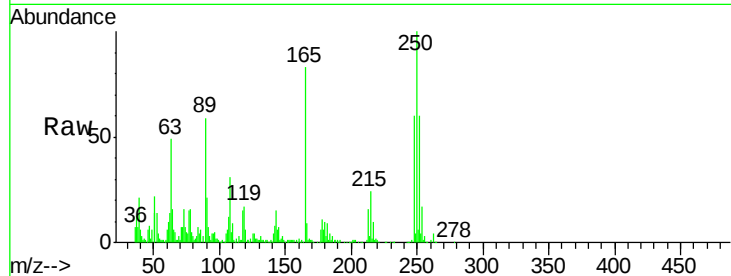
165 100

63 58.5 36.2 54.2#

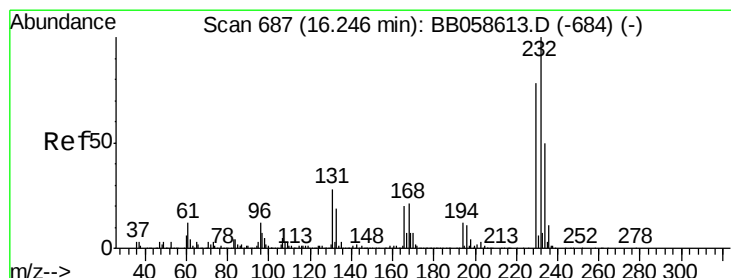
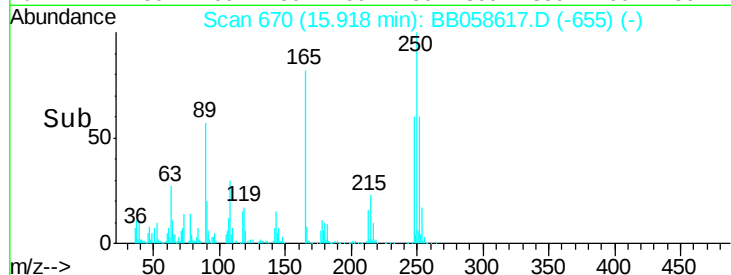
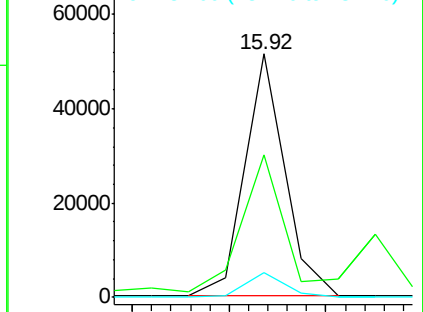
182 10.4 2.2 3.4#

Manual Integrations
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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BB0
Ion 182.00 (181.70 to 182.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 3.04 ng/ul

RT: 16.23 min Scan# 686

Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:232 Resp: 55800
Ion Ratio Lower Upper

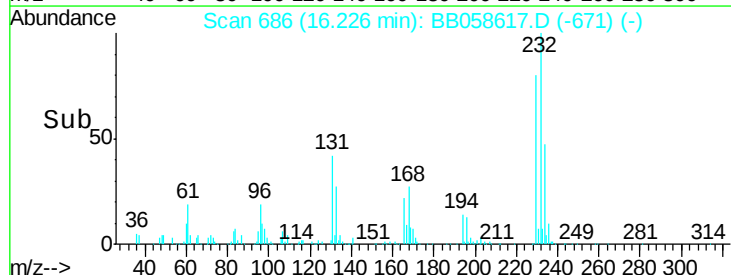
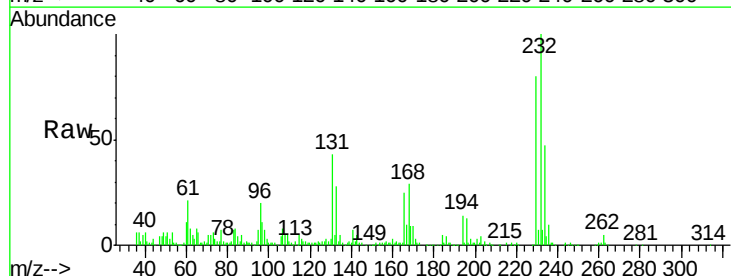
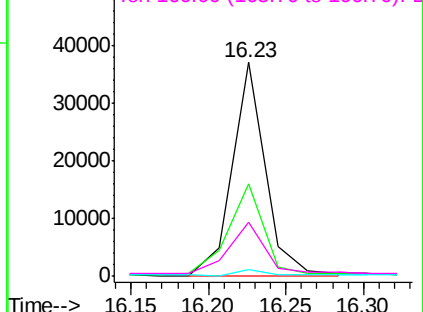
232 100

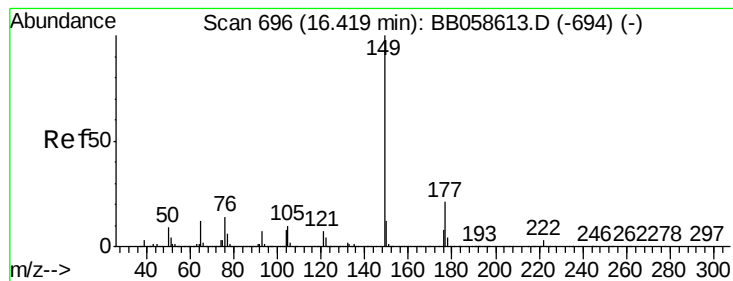
131 42.9 31.4 47.0

130 3.0 1.6 2.4#

166 25.0 22.6 33.8

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#56

Diethylphthalate

Concen: 3.25 ng/ul

RT: 16.42 min Scan# 696

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

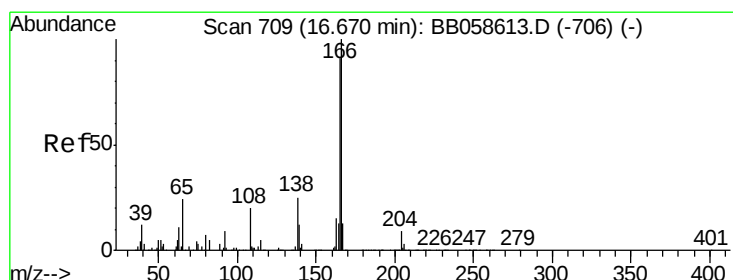
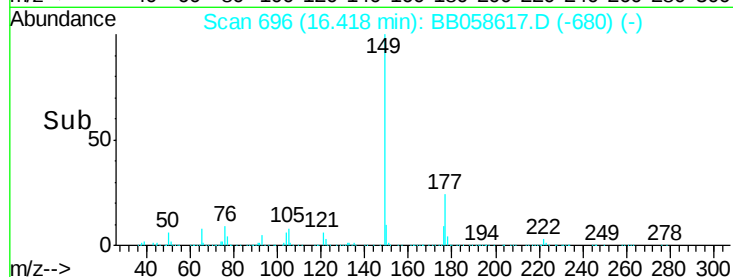
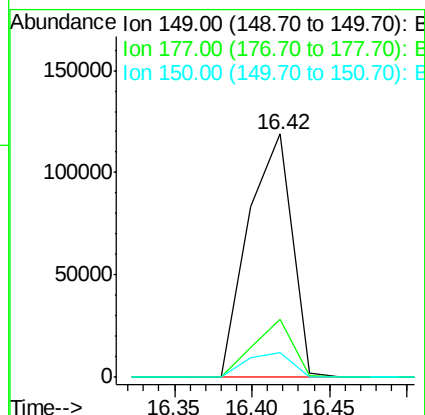
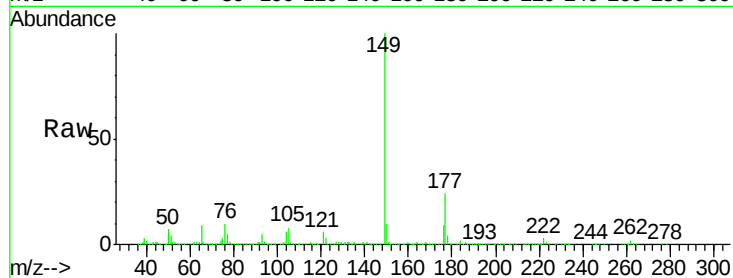
ClientSampleId :

MDL-03-W

Tgt Ion:	149	Resp:	237314
Ion Ratio	Lower	Upper	
149	100		
177	23.9	18.6	28.0
150	10.4	10.0	15.0

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#58

Fluorene

Concen: 3.08 ng/ul

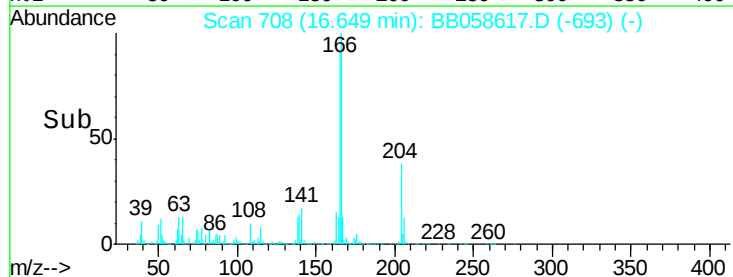
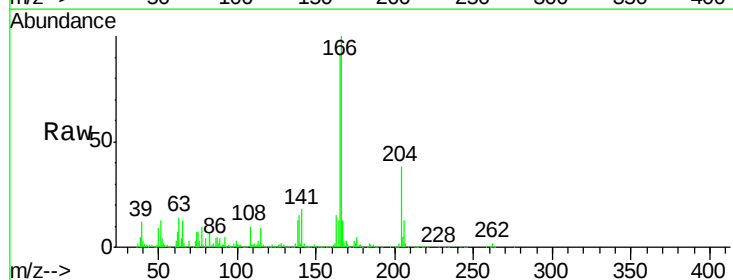
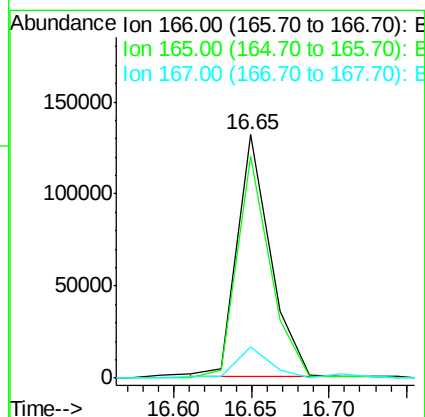
RT: 16.65 min Scan# 708

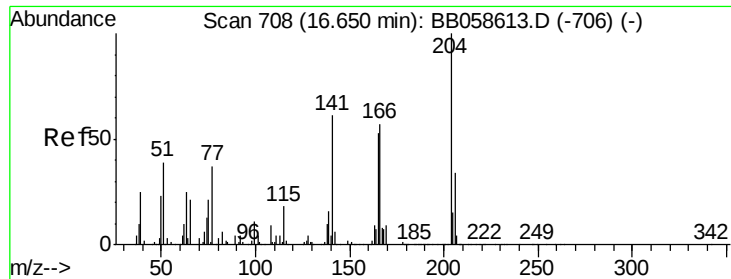
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	166	Resp:	197583
Ion Ratio	Lower	Upper	
166	100		
165	91.2	79.9	119.9
167	13.0	10.5	15.7





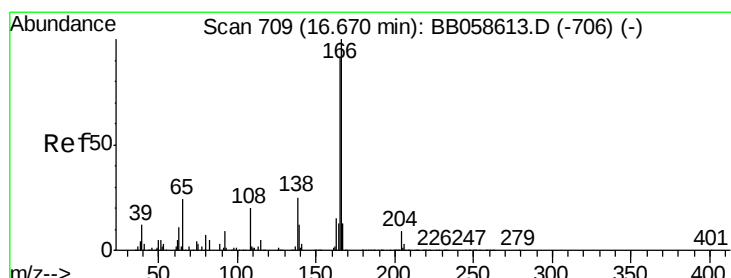
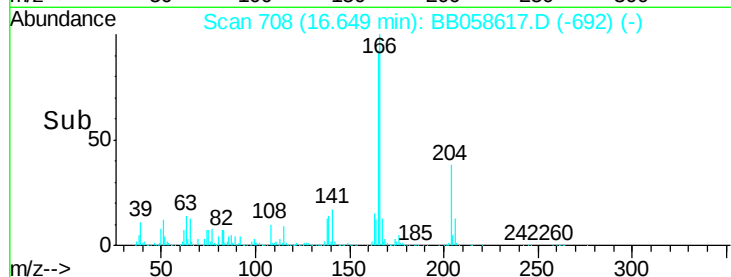
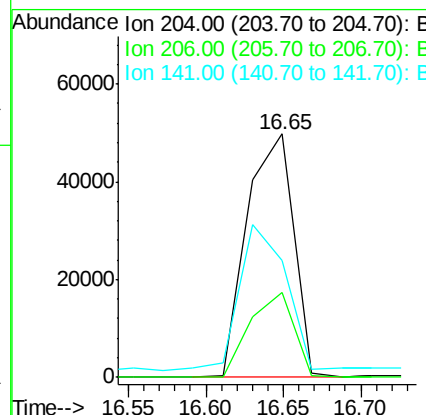
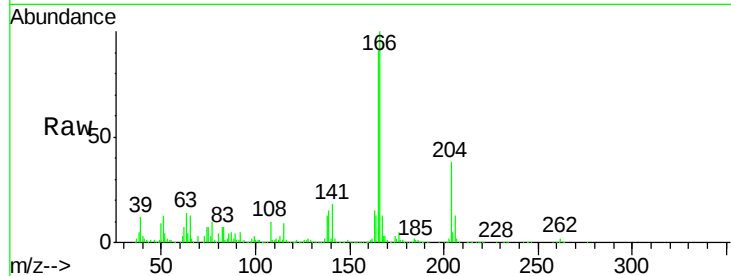
#59
4-Chlorophenyl-phenylether
Concen: 3.06 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampled :
MDL-03-W

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.6	25.9	38.9
141	48.3	46.1	69.1

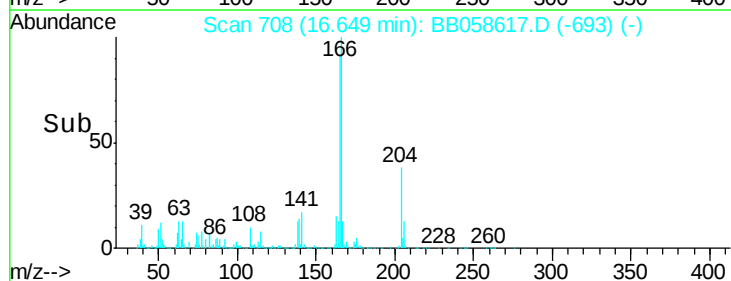
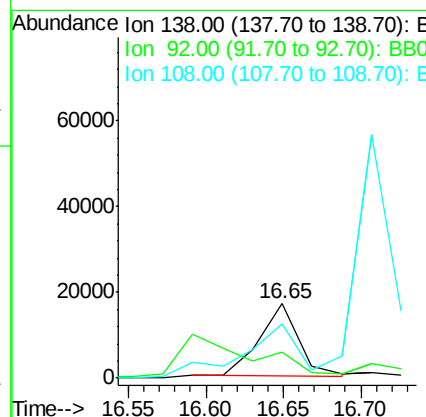
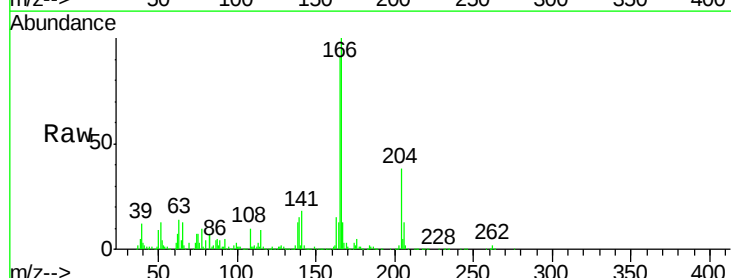
Manual Integrations
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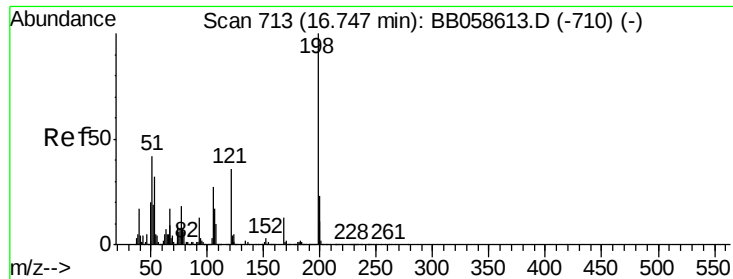
SOHIL
10/13/2016 11:12:32 AM



#60
4-Nitroaniline
Concen: 1.64 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Lower	Upper
138	100		
92	35.6	43.5	65.3#
108	73.7	80.3	120.5#





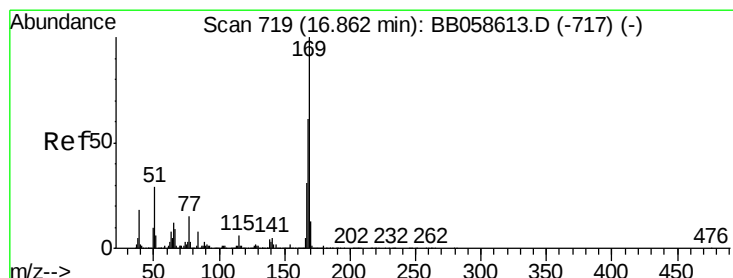
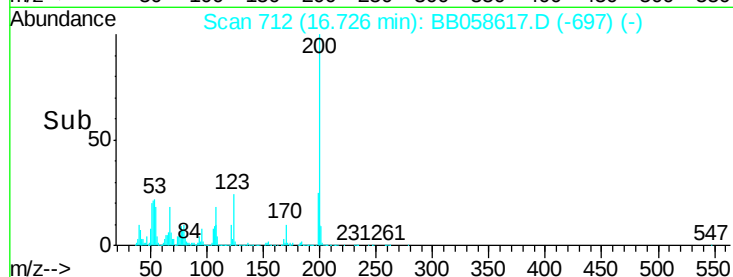
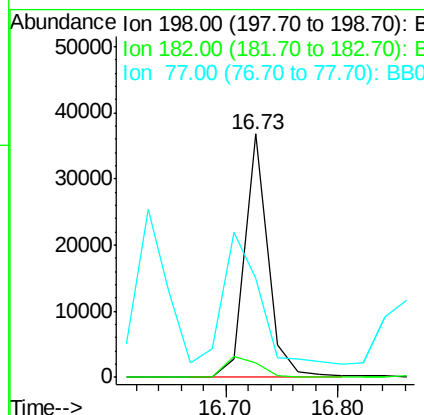
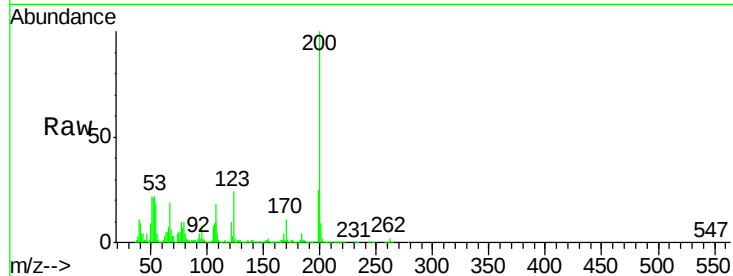
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.87 ng/ul m
 RT: 16.73 min Scan# 712
 Delta R.T. -0.02 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Instrument :
 BNA_B
 ClientSampleId :
 MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	53275		
182	6.0	3.3	4.9#	
77	40.4	21.8	32.6#	

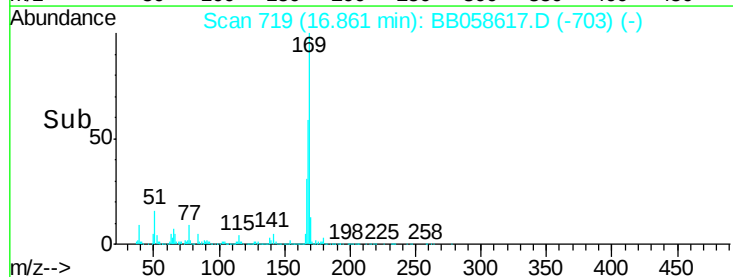
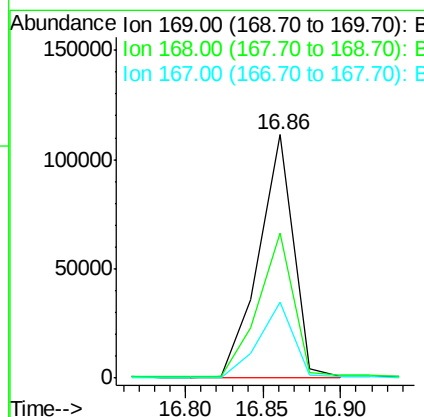
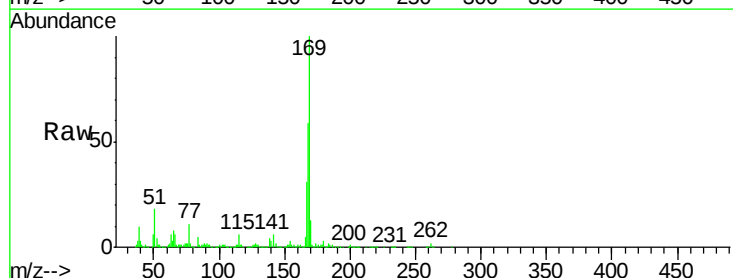
Manual Integrations
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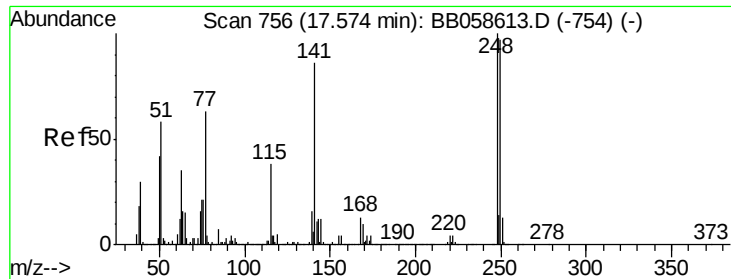
SOHIL
 10/13/2016 11:12:32 AM



#64
 N-Nitrosodiphenylamine
 Concen: 3.07 ng/ul
 RT: 16.86 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	173876		
168	59.5	52.6	79.0	
167	31.3	28.6	43.0	





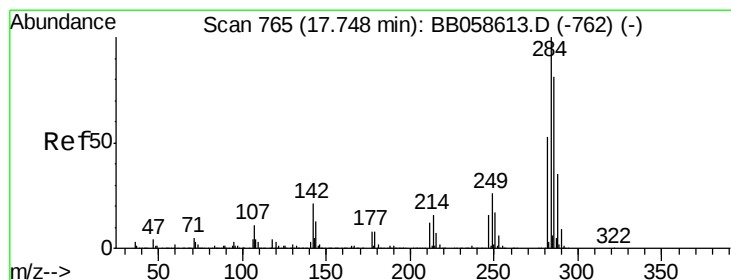
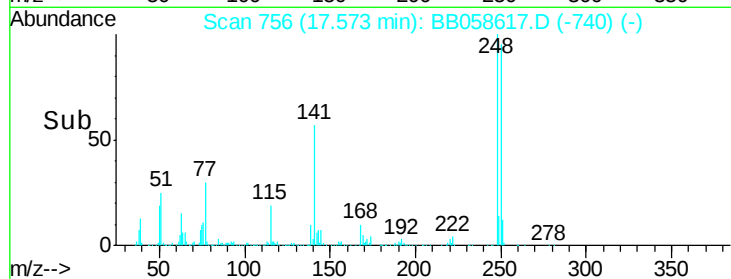
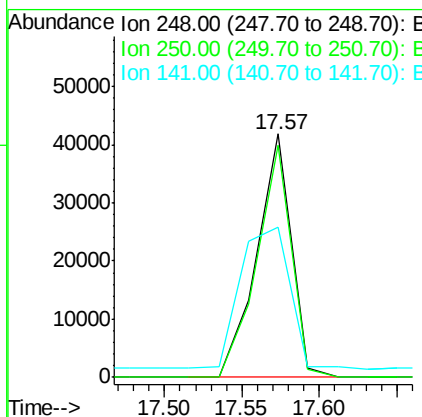
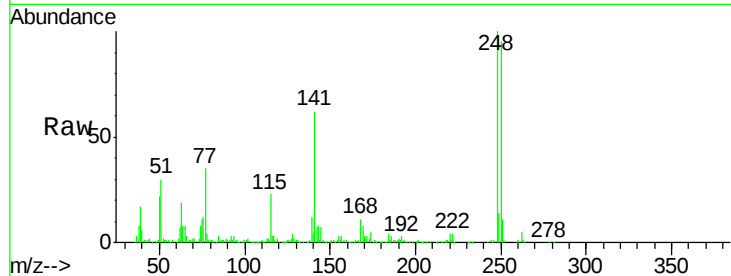
#65
 4-Bromophenyl-phenylether
 Concen: 2.92 ng/ul
 RT: 17.57 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Instrument :
 BNA_B
 ClientSampleId :
 MDL-03-W

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.3	79.7	119.5
141	61.7	58.3	87.5

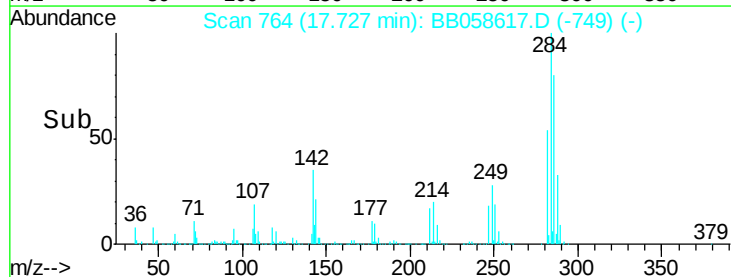
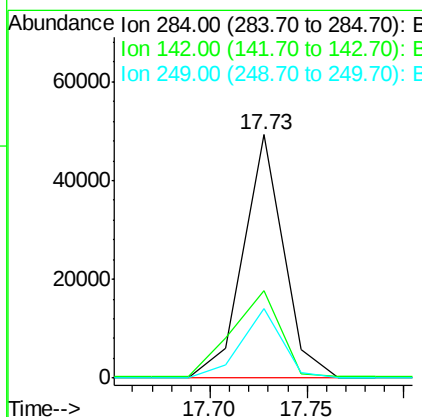
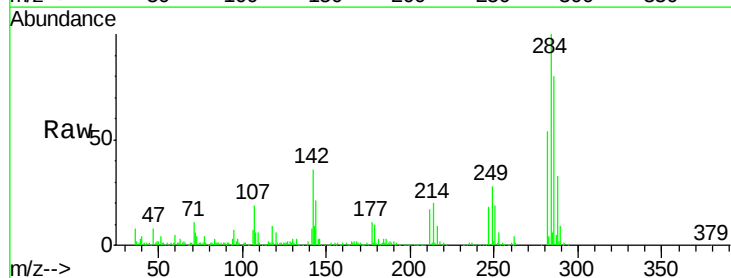
Manual Integrations
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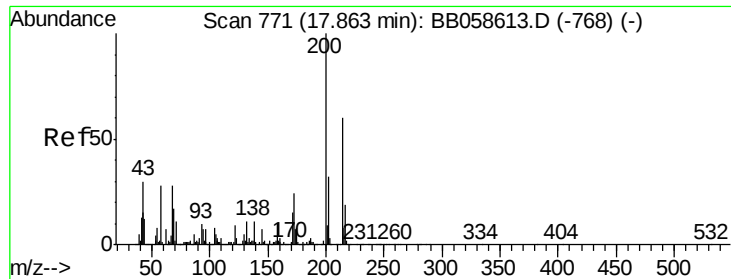
SOHIL
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#66
 Hexachlorobenzene
 Concen: 3.13 ng/ul
 RT: 17.73 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BB058617.D
 Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.1	24.9	37.3
249	26.8	25.5	38.3





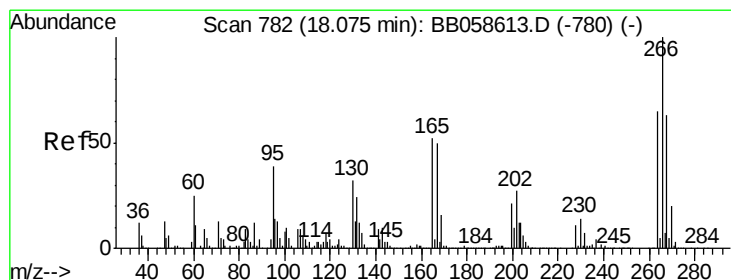
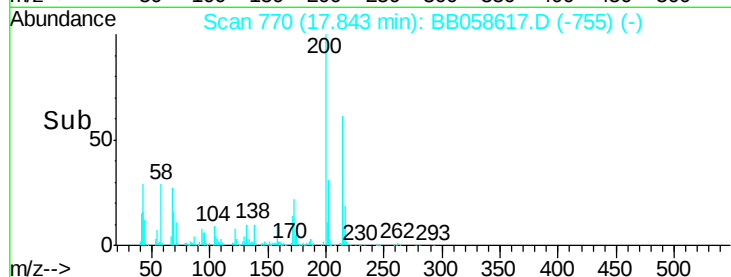
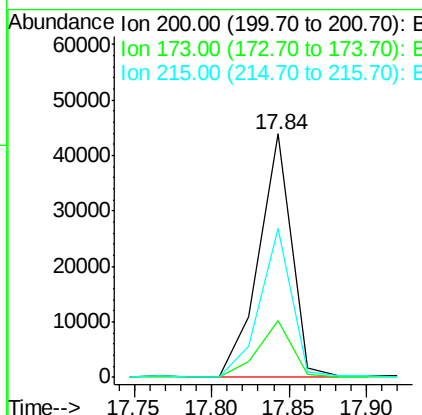
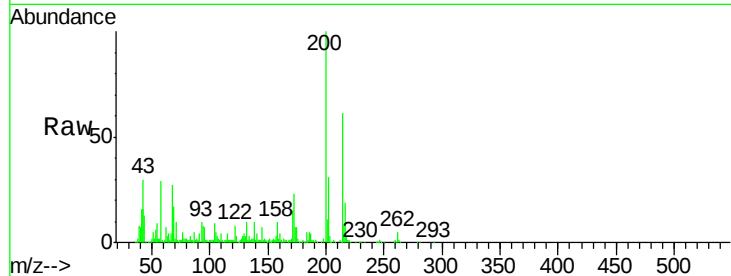
#67
Atrazine
Concen: 3.02 ng/ul
RT: 17.84 min Scan# 770
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampled :
MDL-03-W

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	23.1	18.9	28.3
215	61.0	39.5	59.3

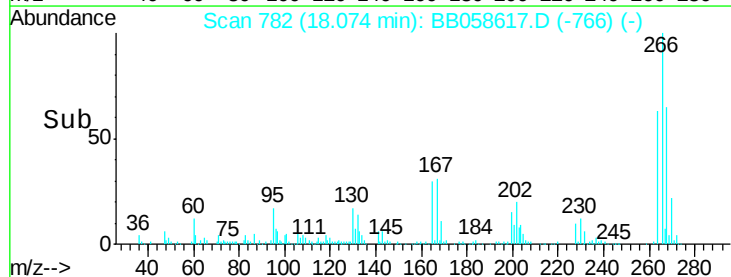
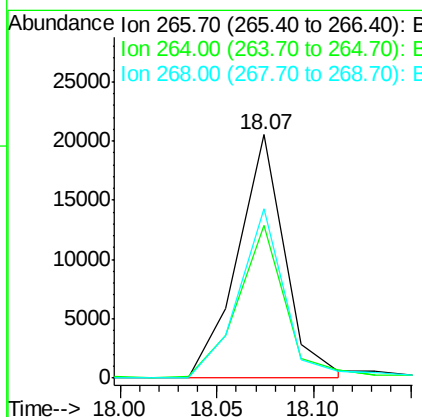
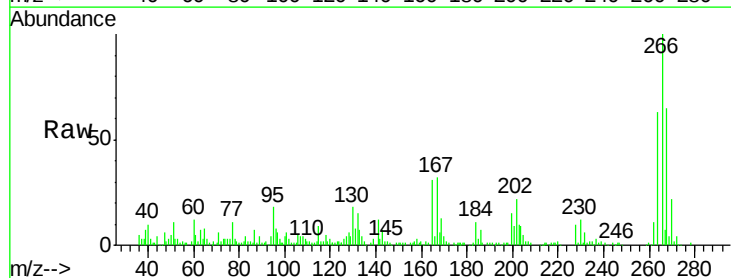
Manual Integrations
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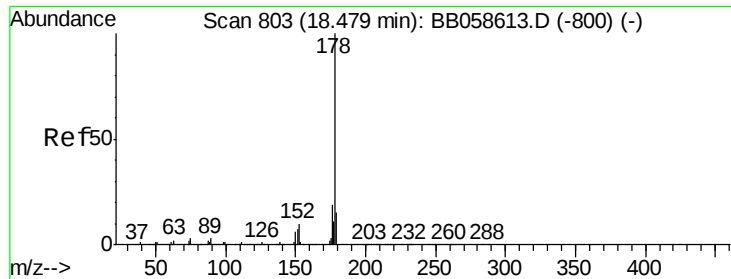
SOHIL
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#68
Pentachlorophenol
Concen: 2.17 ng/ul
RT: 18.07 min Scan# 782
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	62.9	50.6	75.8
268	69.7	51.0	76.6





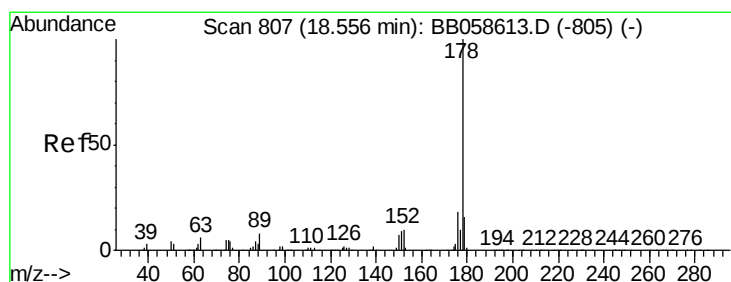
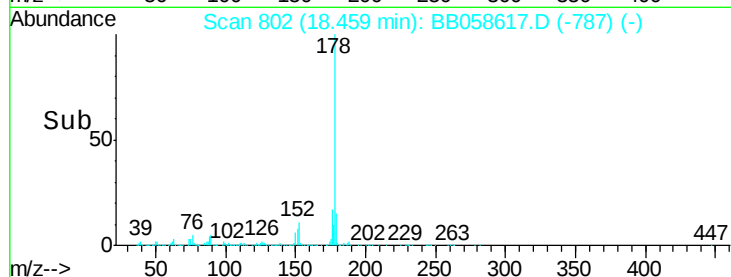
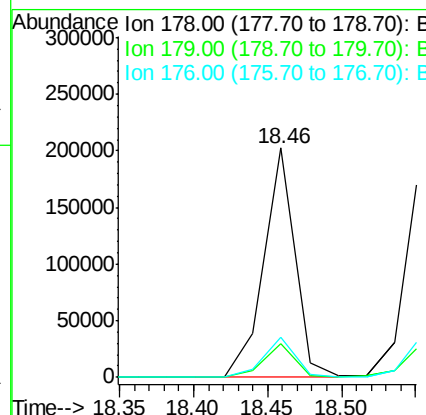
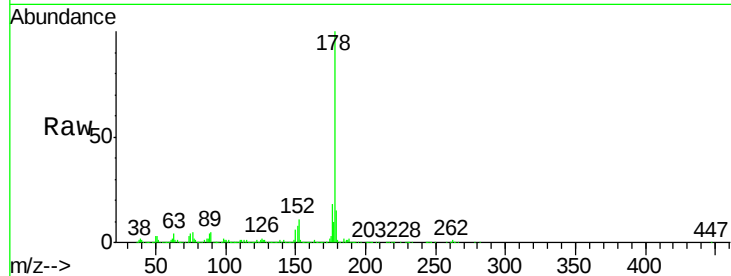
#69
Phenanthrene
Concen: 3.39 ng/ul m
RT: 18.46 min Scan# 802
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampled :
MDL-03-W

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	295936		
179	14.6	12.2	18.2	
176	17.6	15.1	22.7	

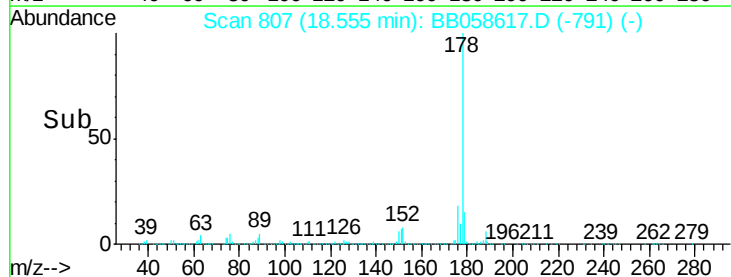
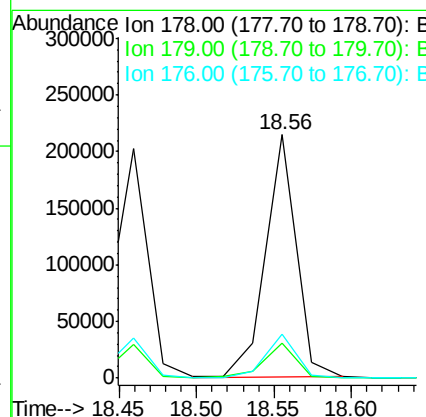
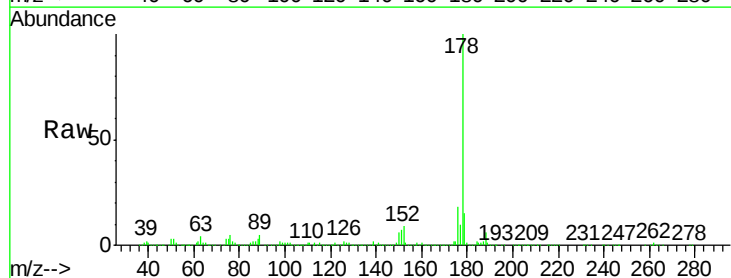
Manual Integrations
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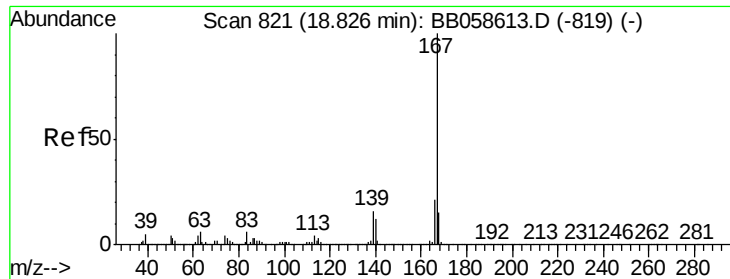
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#71
Anthracene
Concen: 3.34 ng/ul
RT: 18.56 min Scan# 807
Delta R.T. -0.00 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	297636		
179	14.6	12.1	18.1	
176	18.0	14.5	21.7	





#72

Carbazole

Concen: 3.23 ng/ul

RT: 18.82 min Scan# 821

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

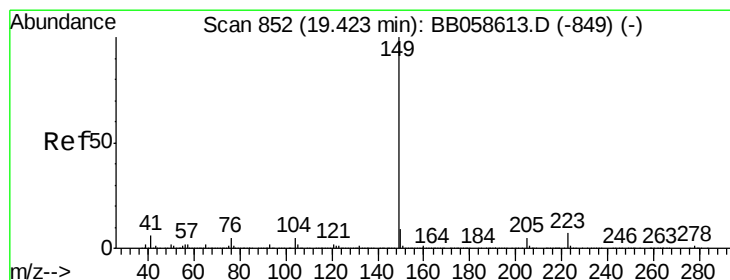
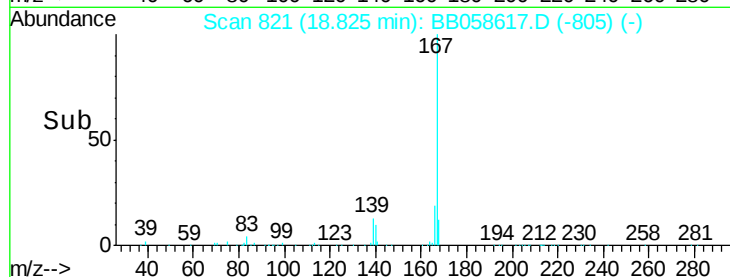
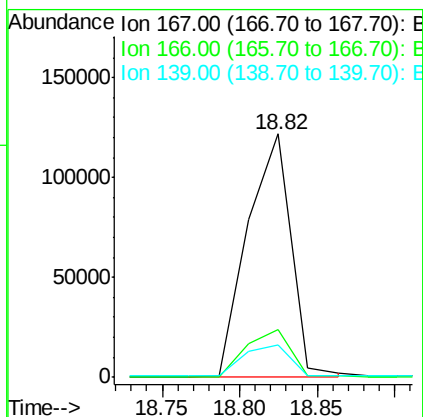
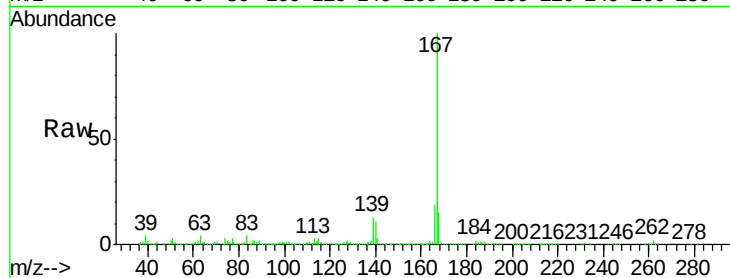
ClientSampleId :

MDL-03-W

Tgt Ion:	167	Resp:	240387
Ion Ratio		Lower	Upper
167	100		
166	19.4	16.6	25.0
139	13.4	10.2	15.4

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 3.55 ng/ul

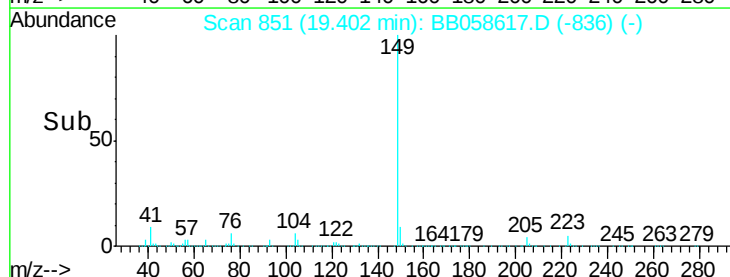
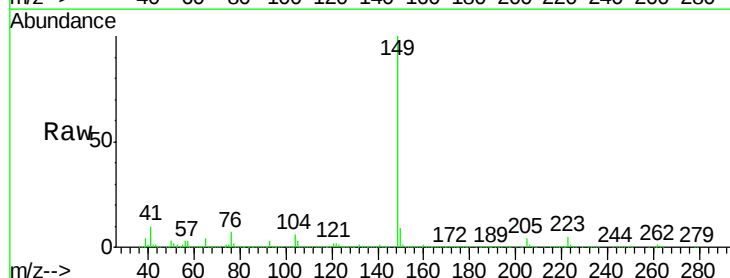
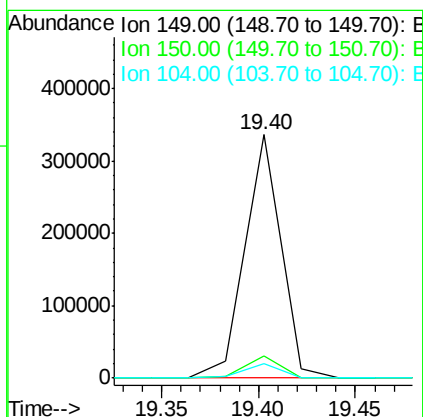
RT: 19.40 min Scan# 851

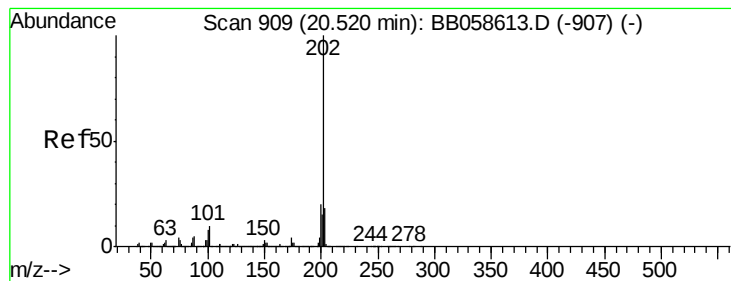
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	149	Resp:	432096
Ion Ratio		Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.9	4.6	7.0





#74

Fluoranthene

Concen: 3.47 ng/ul

RT: 20.52 min Scan# 909

Delta R.T. -0.00 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

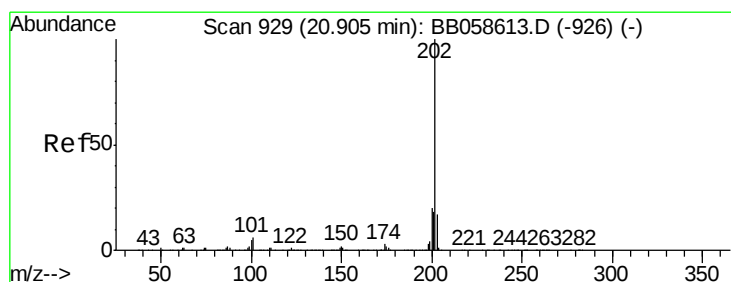
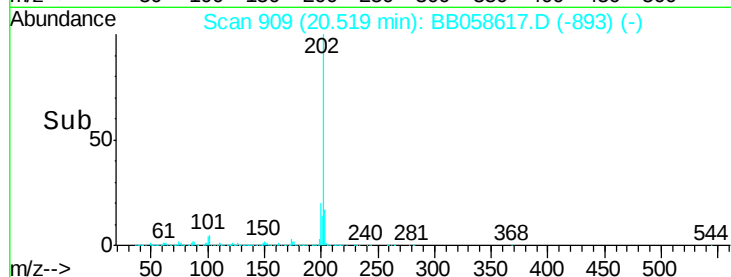
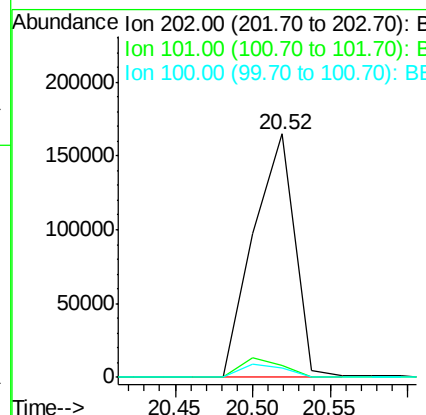
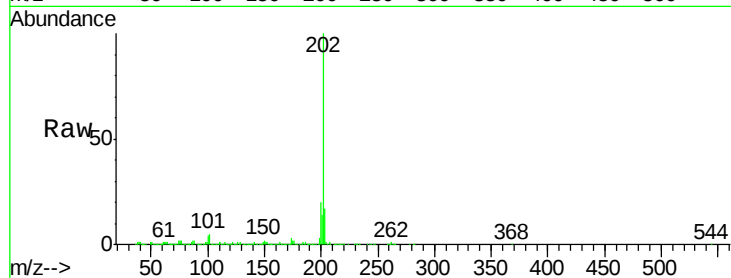
ClientSampleId :

MDL-03-W

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		308381		
101	5.0	6.9	10.3#		
100	3.8	5.4	8.0#		

Manual Integrations
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#77

Pyrene

Concen: 3.61 ng/ul

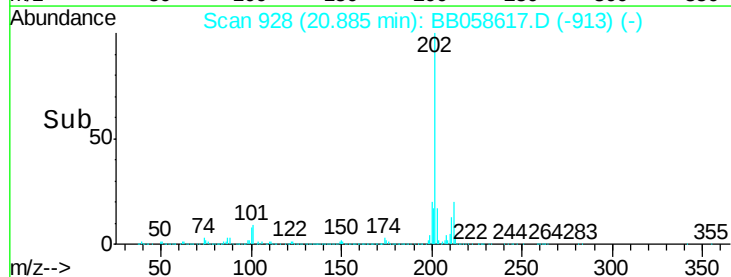
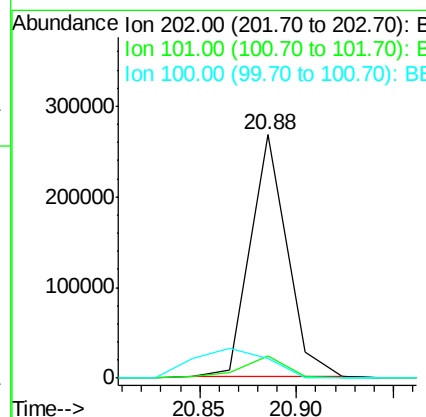
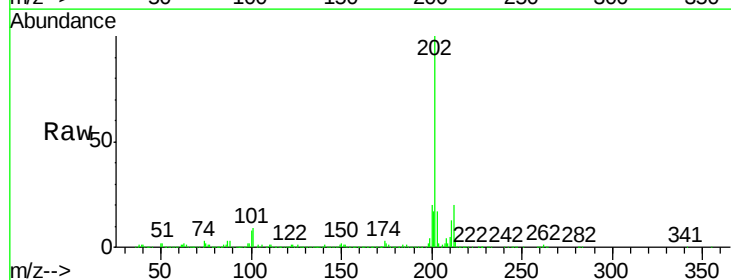
RT: 20.88 min Scan# 928

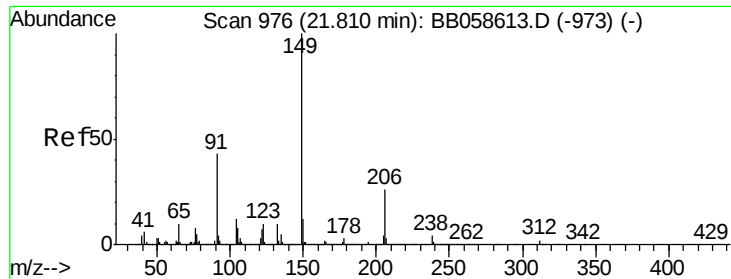
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		351524		
101	8.9	8.4	12.6		
100	8.0	6.9	10.3		





#78

Butylbenzylphthalate

Concen: 3.11 ng/ul

RT: 21.79 min Scan# 975

Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

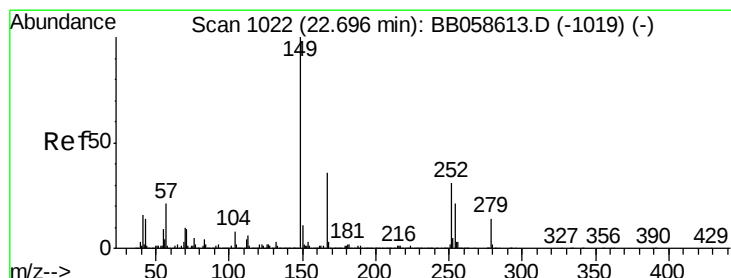
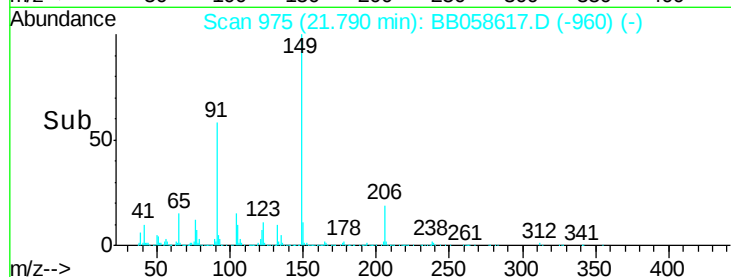
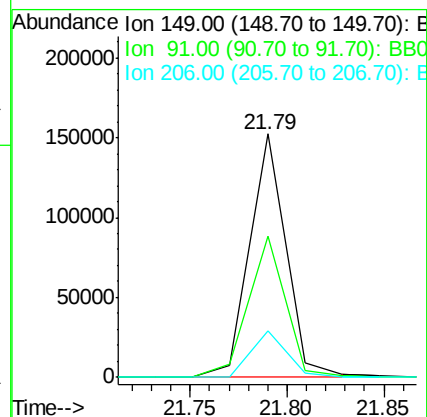
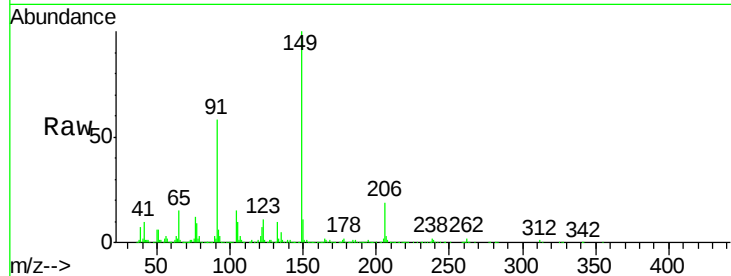
ClientSampleId :

MDL-03-W

Tgt Ion:	149	Resp:	196270
Ion Ratio	Lower	Upper	
149	100		
91	58.2	57.3	85.9
206	19.2	18.6	27.8

Manual Integrations
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#79

3,3'-Dichlorobenzidine

Concen: 1.80 ng/ul

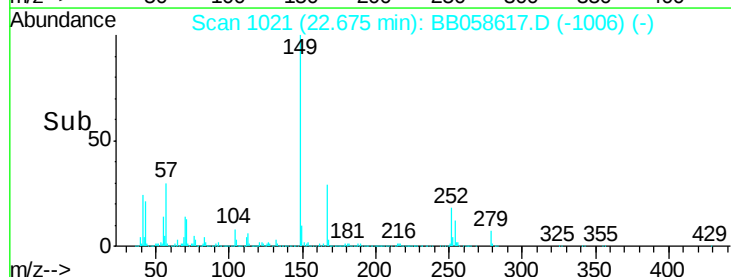
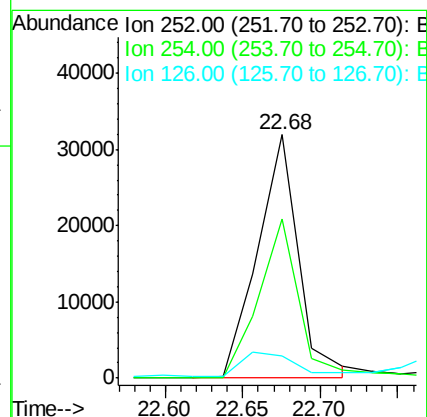
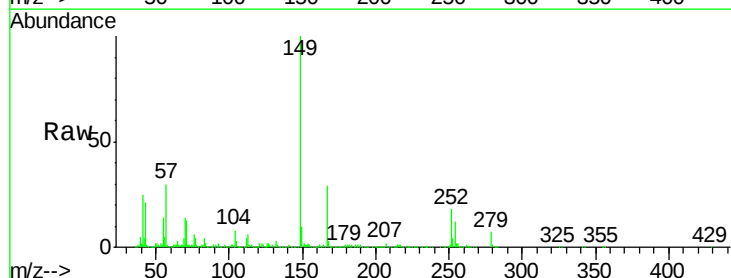
RT: 22.68 min Scan# 1021

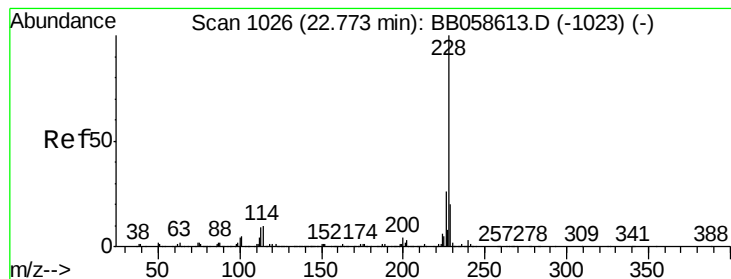
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	252	Resp:	59165
Ion Ratio	Lower	Upper	
252	100		
254	65.6	51.0	76.4
126	9.1	7.1	10.7





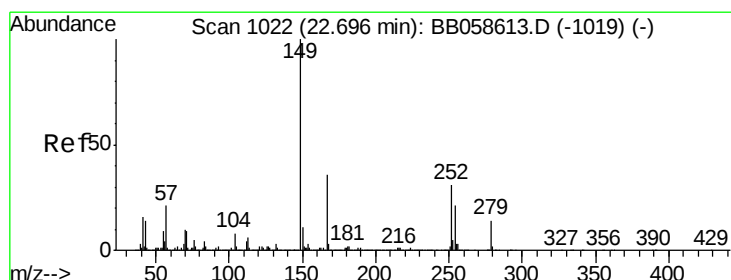
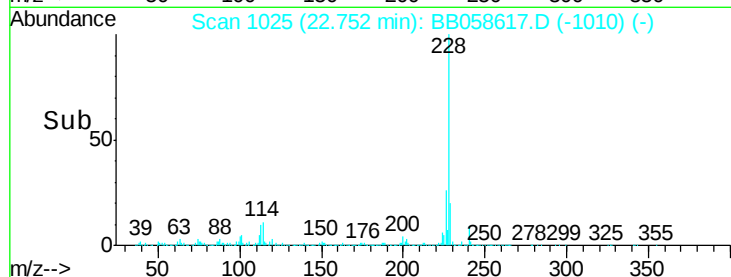
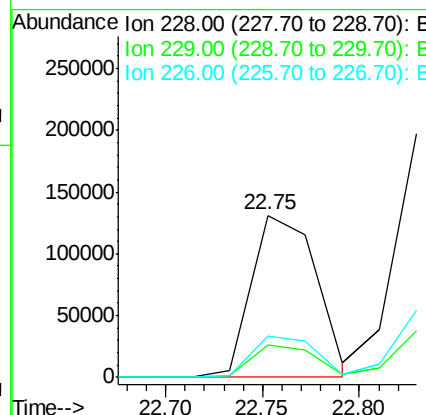
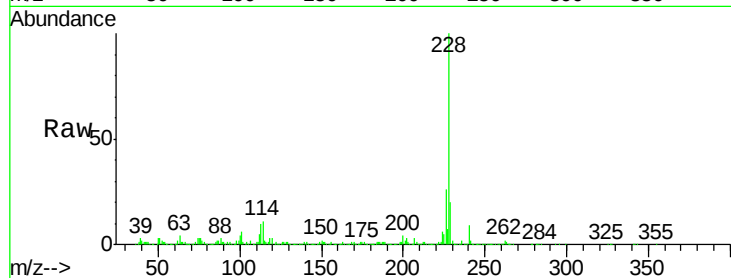
#80
Benzo(a)anthracene
Concen: 3.20 ng/ul
RT: 22.75 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampled :
MDL-03-W

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.6	23.4
226	25.6	21.8	32.8

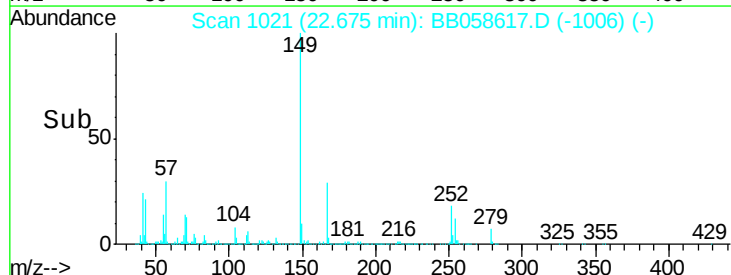
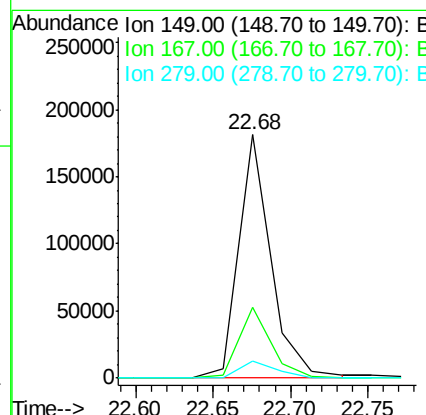
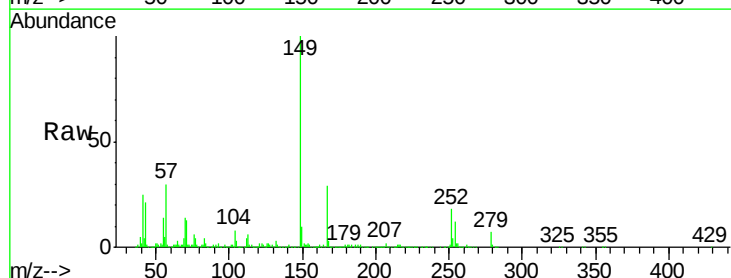
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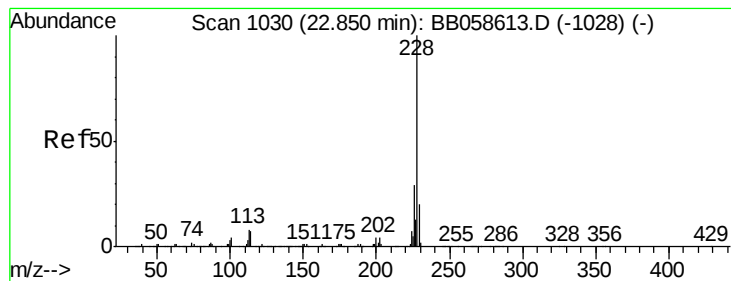
SOHIL
10/13/2016 11:12:32 AM



#81
Bis(2-ethylhexyl)phthalate
Concen: 3.14 ng/ul
RT: 22.68 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.8	23.2	34.8
279	7.1	4.1	6.1





#82

Chrysene

Concen: 3.27 ng/ul

RT: 22.83 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

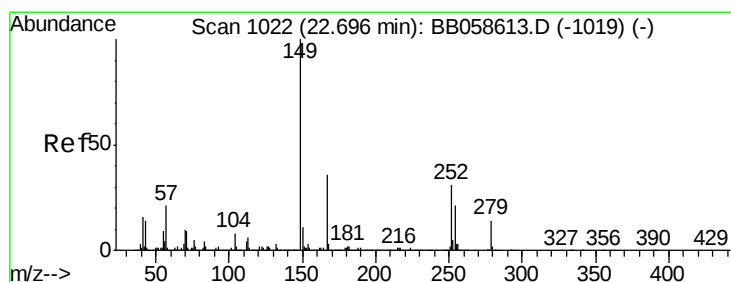
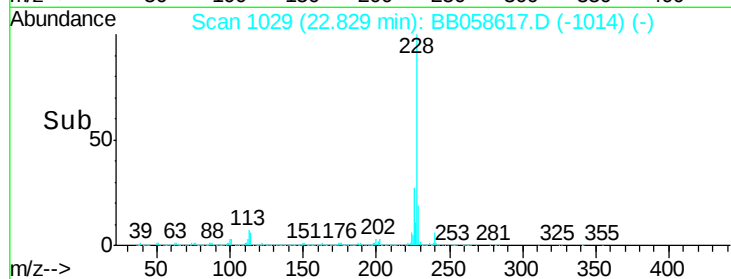
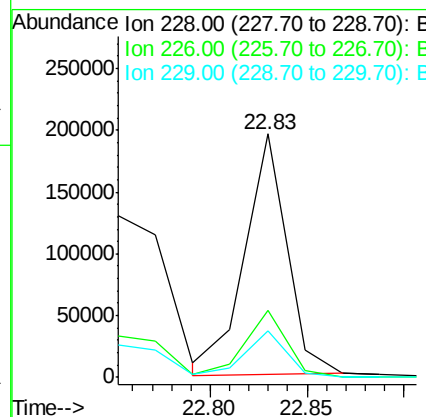
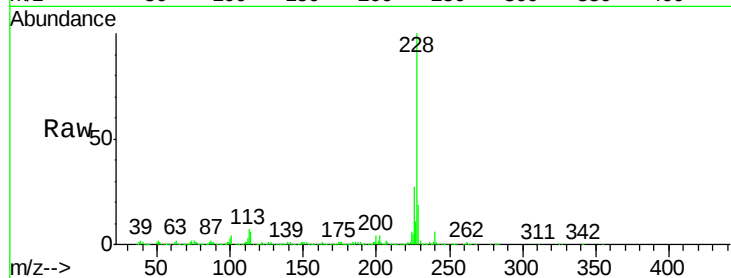
ClientSampled :

MDL-03-W

Tgt Ion:	228	Resp:	290735
Ion Ratio	Lower	Upper	
228	100		
226	27.3	23.4	35.2
229	19.1	15.5	23.3

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#84

Di-n-octyl phthalate

Concen: 3.50 ng/ul

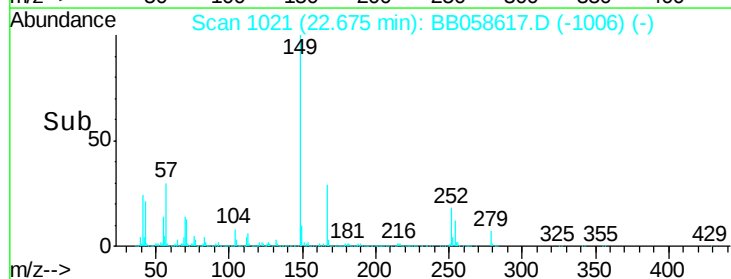
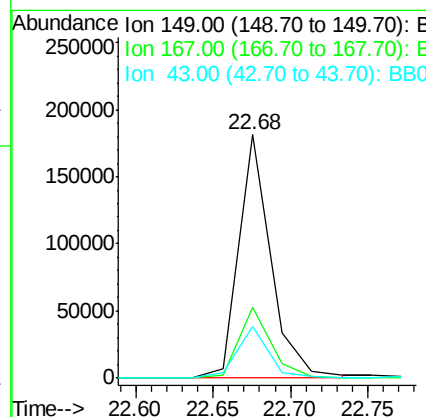
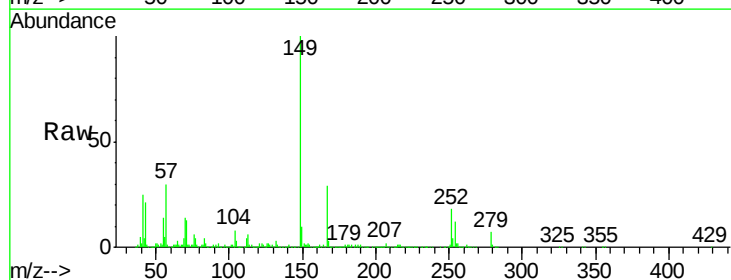
RT: 22.68 min Scan# 1021

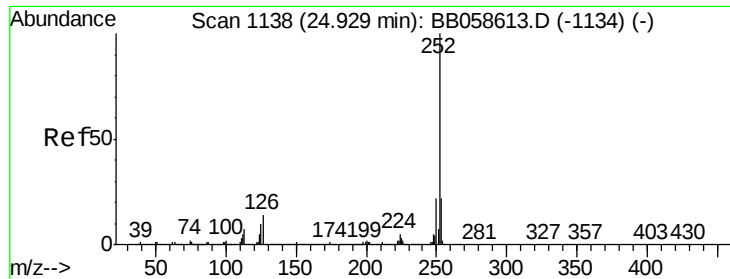
Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	149	Resp:	263323
Ion Ratio	Lower	Upper	
149	100		
167	28.8	1.3	1.9#
43	21.2	6.6	10.0#





#85

Benzo(b)fluoranthene

Concen: 2.64 ng/ul

RT: 24.91 min Scan# 1137

Delta R.T. -0.02 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

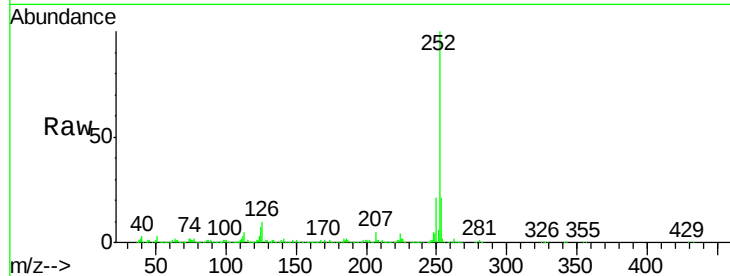
ClientSampleId :

MDL-03-W

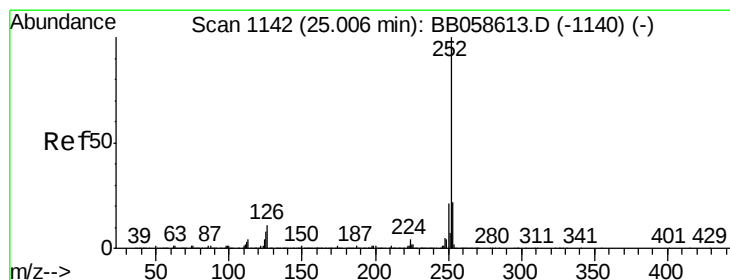
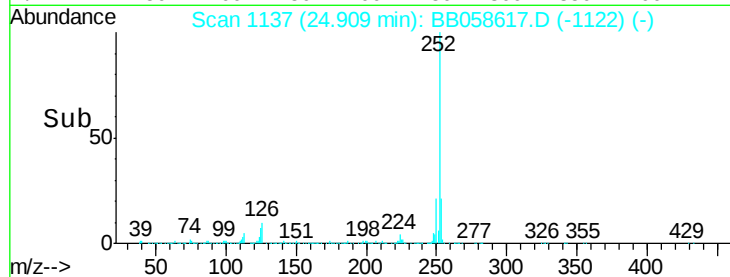
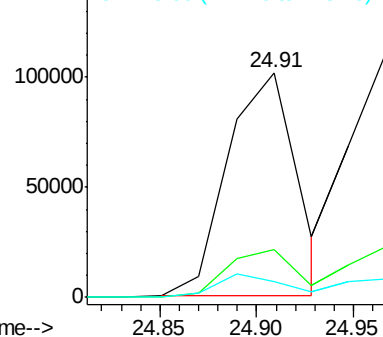
Tgt Ion:	252	Resp:	252147
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.1	25.7
125	7.1	5.8	8.8

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 3.48 ng/ul

RT: 24.97 min Scan# 1140

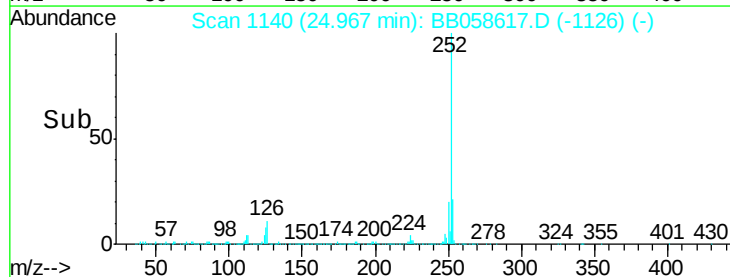
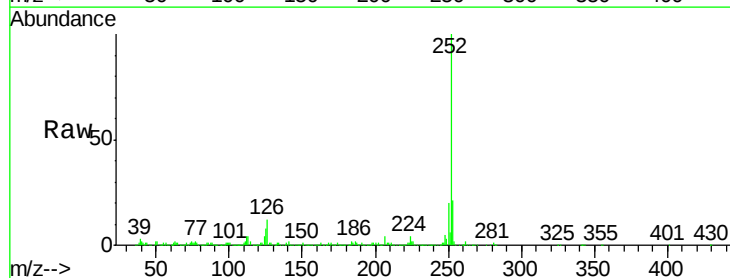
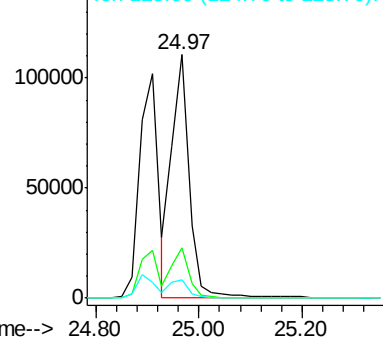
Delta R.T. -0.04 min

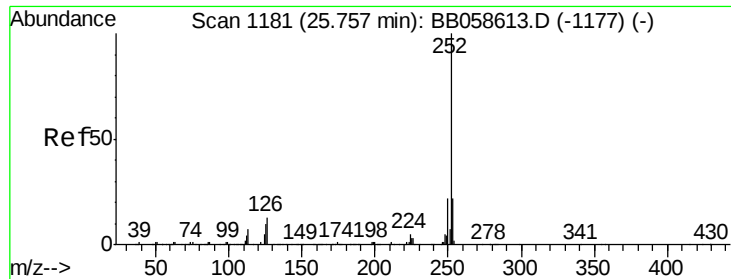
Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	252	Resp:	257310
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.6	26.4
125	7.6	5.7	8.5

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.97 ng/ul

RT: 25.72 min Scan# 1179

Delta R.T. -0.04 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Instrument :

BNA_B

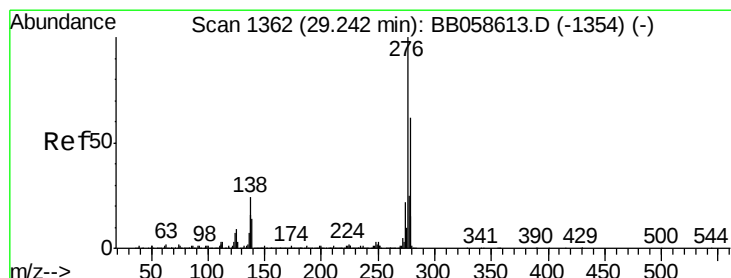
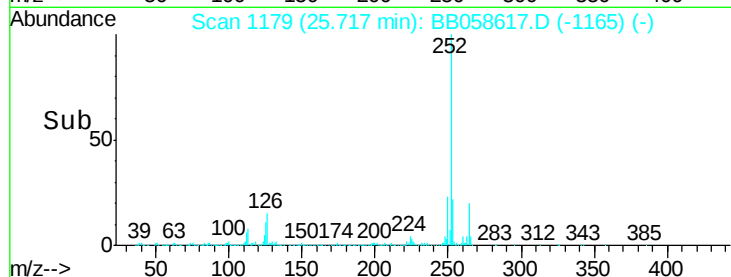
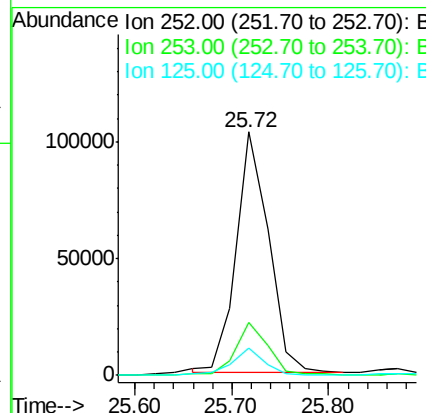
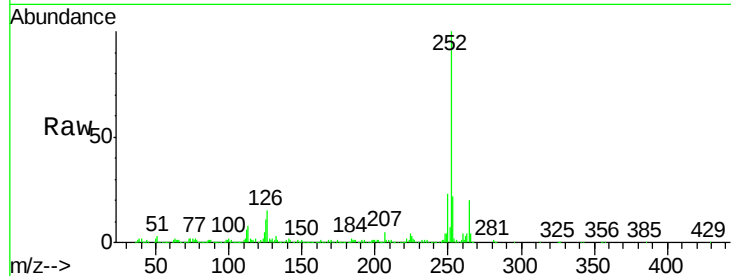
ClientSampled :

MDL-03-W

Tgt Ion:	252	Resp:	238700
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.7	26.5
125	11.4	6.6	9.8#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 2.51 ng/ul

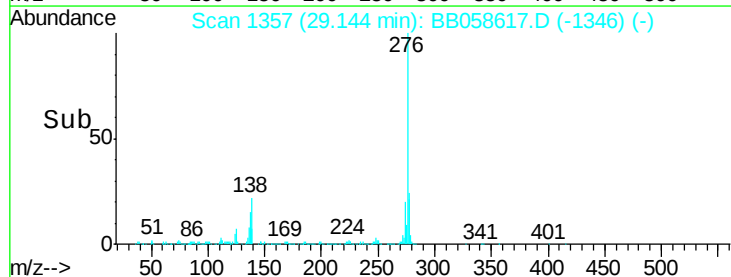
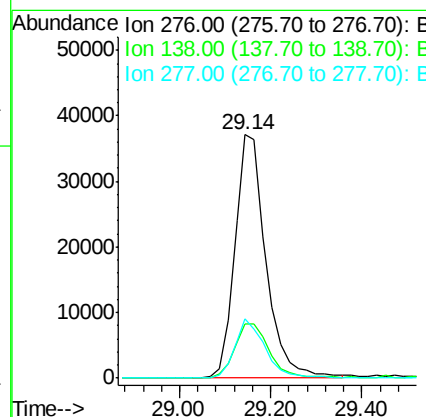
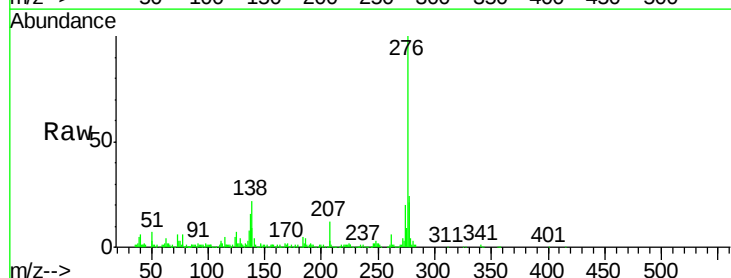
RT: 29.14 min Scan# 1357

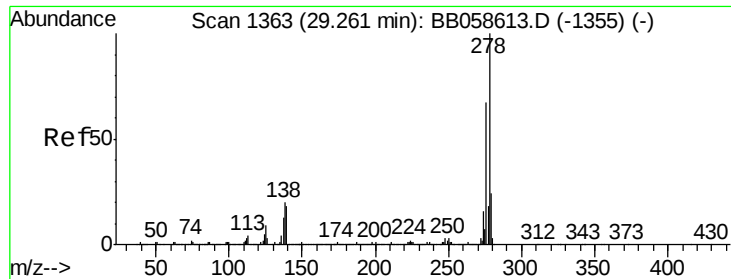
Delta R.T. -0.10 min

Lab File: BB058617.D

Acq: 12 Oct 2016 12:52

Tgt Ion:	276	Resp:	176350
Ion Ratio	Lower	Upper	
276	100		
138	22.3	13.9	20.9#
277	24.2	20.1	30.1





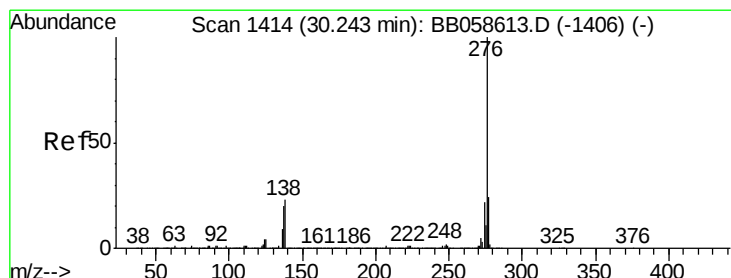
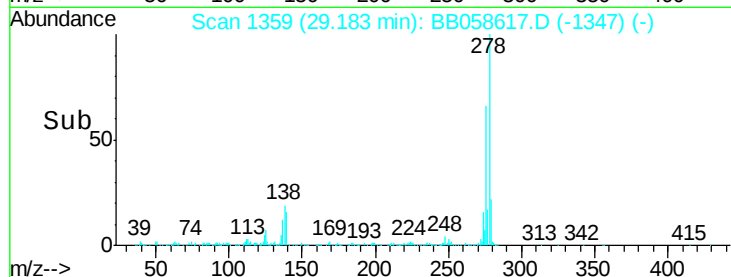
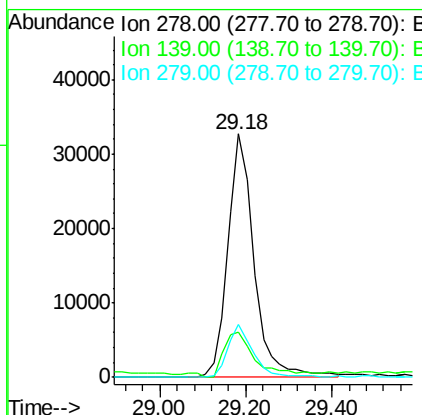
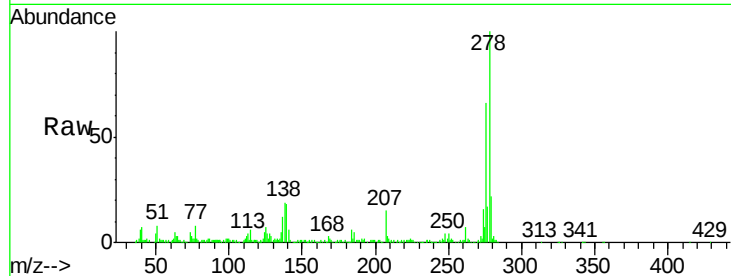
#90
Dibenzo(a,h)anthracene
Concen: 2.36 ng/ul
RT: 29.18 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Instrument :
BNA_B
ClientSampled :
MDL-03-W

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	9.5	14.3#
279	21.8	19.1	28.7

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#91
Benzo(g,h,i)perylene
Concen: 2.58 ng/ul
RT: 30.15 min Scan# 1409
Delta R.T. -0.10 min
Lab File: BB058617.D
Acq: 12 Oct 2016 12:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	13.5	20.3#
277	22.2	19.3	28.9

