

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101216\
 Data File : BB058620.D
 Acq On : 12 Oct 2016 14:53
 Operator : UM/SJ
 Sample : MDL-06-W
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampled :
 MDL-06-W

Manual Integrations
 APPROVED

SOHIL
 10/13/2016 11:12:39 AM

Quant Time: Oct 12 15:42:11 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	481483	20.00	ng/ul	0.00
18) Naphthalene-d8	11.62	136	1789804	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	1065466	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.42	188	1830709m	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	1916778	20.00	ng/ul	-0.02
83) Perylene-d12	25.85	264	1487523	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	72309	6.80	ng/uL	0.02
5) Phenol-d5	7.79	99	1050233	30.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.94	67	722789	30.85	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1179546	32.51	ng/ul	0.00
13) 4-Methylphenol-d8	9.43	113	885373	30.58	ng/ul	-0.02
19) Nitrobenzene-d5	9.89	128	606048	32.75	ng/ul	0.02
22) 2-Nitrophenol-d4	10.64	143	697631	35.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.22	165	919127	32.57	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.74	131	1214271	35.74	ng/ul	0.00
43) Dimethylphthalate-d6	14.95	166	2580336	36.42	ng/ul	0.00
46) Acenaphthylene-d8	15.24	160	2931459	35.09	ng/ul	-0.02
51) 4-Nitrophenol-d4	15.76	143	472420	29.04	ng/ul	-0.02
57) Fluorene-d10	16.61	176	2027297	34.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.70	200	498752	25.66	ng/ul	-0.02
70) Anthracene-d10	18.51	188	2680025	32.73	ng/ul	-0.02
76) Pyrene-d10	20.86	212	3062998	36.37	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.66	264	2317838	34.12	ng/ul	-0.04

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.69	88	9382	0.89 ng/uL#	64
4) Benzaldehyde	7.73	77	56089	2.49 ng/ul	96
6) Phenol	7.83	94	102132	2.95 ng/ul#	66
8) Bis(2-Chloroethyl)ether	8.04	93	92739	3.24 ng/ul	88
10) 2-Chlorophenol	8.21	128	108021	3.13 ng/ul	100
11) 2-Methylphenol	9.14	108	81417	2.92 ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	9.23	45	157738	3.14 ng/ul#	88
14) Acetophenone	9.52	105	129177	3.05 ng/ul#	76
15) N-Nitroso-di-n-propylamine	9.52	70	74443	2.97 ng/ul#	53
16) 4-Methylphenol	9.50	108	86574	2.88 ng/ul	100
17) Hexachloroethane	9.83	117	49208	2.94 ng/ul	83
20) Nitrobenzene	9.93	77	109961	3.16 ng/ul#	82
21) Isophorone	10.49	82	214005	3.19 ng/ul	94
23) 2-Nitrophenol	10.68	139	67969	3.27 ng/ul	94
24) 2,4-Dimethylphenol	10.76	107	107868	3.17 ng/ul	94
25) Bis(2-Chloroethoxy)methane	10.99	93	100123	3.10 ng/ul#	92
27) 2,4-Dichlorophenol	11.26	162	92111	3.26 ng/ul#	91
28) Naphthalene	11.66	128	291225	3.42 ng/ul	98
30) 4-Chloroaniline	11.76	127	112363	3.49 ng/ul	95
31) Hexachlorobutadiene	12.01	225	64100	3.32 ng/ul	98
32) Caprolactam	12.58	113	26908	2.62 ng/ul	97
33) 4-Chloro-3-methylphenol	12.93	107	87029	3.09 ng/ul	95
34) 2-Methylnaphthalene	13.32	142	202542	3.44 ng/ul	95

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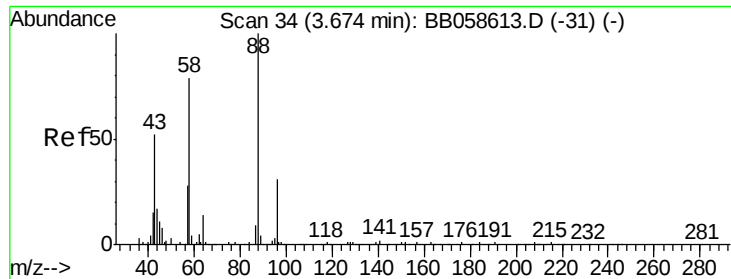
Manual Integrations
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 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.72	216	111551	3.41	ng/ul	94
37) Hexachlorocyclopentadiene	13.72	237	42306	2.05	ng/ul	95
38) 2,4,6-Trichlorophenol	13.95	196	65160	3.28	ng/ul	98
39) 2,4,5-Trichlorophenol	14.03	196	66389	3.15	ng/ul	93
40) 1,1'-Biphenyl	14.36	154	243668	3.41	ng/ul#	97
41) 2-Chloronaphthalene	14.39	162	185626	3.26	ng/ul	94
42) 2-Nitroaniline	14.59	65	63498	2.90	ng/ul#	92
44) Dimethylphthalate	14.99	163	250755	3.54	ng/ul#	97
45) 2,6-Dinitrotoluene	15.11	165	55200	3.08	ng/ul#	85
47) Acenaphthylene	15.28	152	296958	3.66	ng/ul	99
48) 3-Nitroaniline	14.59	138	66999	2.86	ng/ul#	43
49) Acenaphthene	15.63	153	182078	3.27	ng/ul	94
50) 2,4-Dinitrophenol	15.65	184	23046	1.81	ng/ul#	1
52) 4-Nitrophenol	15.78	109	37599	2.84	ng/ul#	83
53) Dibenzofuran	15.97	168	274528	3.46	ng/ul	94
54) 2,4-Dinitrotoluene	15.92	165	80279	3.22	ng/ul#	79
55) 2,3,4,6-Tetrachlorophenol	16.22	232	57775	3.13	ng/ul#	93
56) Diethylphthalate	16.42	149	254982	3.47	ng/ul	99
58) Fluorene	16.65	166	215727	3.35	ng/ul	90
59) 4-Chlorophenyl-phenylether	16.65	204	109617	3.16	ng/ul	93
60) 4-Nitroaniline	16.65	138	36073	1.95	ng/ul#	75
63) 4,6-Dinitro-2-methylphenol	16.72	198	55033	2.84	ng/ul#	75
64) N-Nitrosodiphenylamine	16.86	169	182252	3.08	ng/ul	93
65) 4-Bromophenyl-phenylether	17.57	248	69524	2.97	ng/ul	92
66) Hexachlorobenzene	17.73	284	74362	3.16	ng/ul	92
67) Atrazine	17.84	200	70123	3.12	ng/ul	89
68) Pentachlorophenol	18.07	266	38338	2.30	ng/ul	98
69) Phenanthrene	18.46	178	313824m	3.44	ng/ul	
71) Anthracene	18.55	178	322709	3.47	ng/ul	98
72) Carbazole	18.82	167	259445	3.34	ng/ul	99
73) Di-n-butylphthalate	19.40	149	478646	3.77	ng/ul	99
74) Fluoranthene	20.52	202	340327	3.67	ng/ul#	91
77) Pyrene	20.88	202	367022	3.66	ng/ul	99
78) Butylbenzylphthalate	21.79	149	211414	3.26	ng/ul#	85
79) 3,3'-Dichlorobenzidine	22.67	252	63148	1.86	ng/ul	96
80) Benzo(a)anthracene	22.75	228	323875	3.32	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	22.67	149	273913	3.17	ng/ul#	97
82) Chrysene	22.83	228	301216	3.29	ng/ul	98
84) Di-n-octyl phthalate	22.67	149	273913	3.54	ng/ul#	63
85) Benzo(b)fluoranthene	24.89	252	291711	2.97	ng/ul#	97
86) Benzo(k)fluoranthene	24.94	252	258672	3.40	ng/ul#	97
88) Benzo(a)pyrene	25.71	252	250187	3.03	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	29.12	276	184701	2.56	ng/ul#	95
90) Dibenzo(a,h)anthracene	29.16	278	143687	2.40	ng/ul#	91
91) Benzo(g,h,i)perylene	30.12	276	155388	2.73	ng/ul#	93

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



#2

1,4-Dioxane

Concen: 0.89 ng/uL

RT: 3.69 min Scan# 35

Delta R.T. 0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

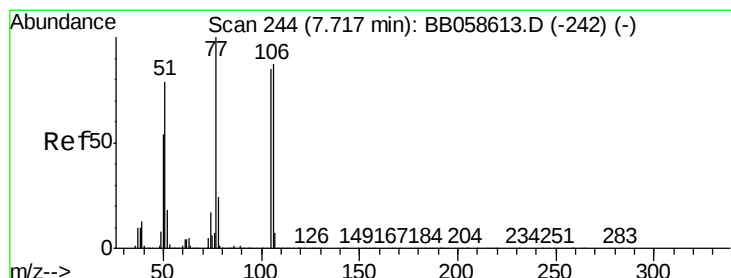
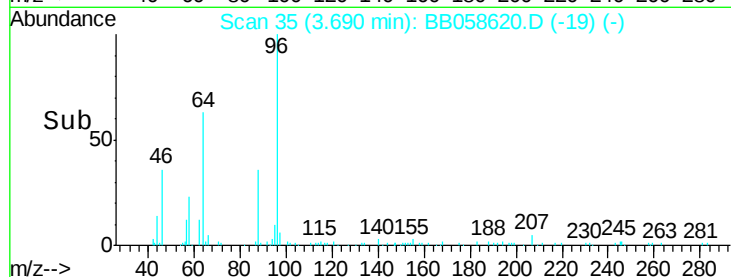
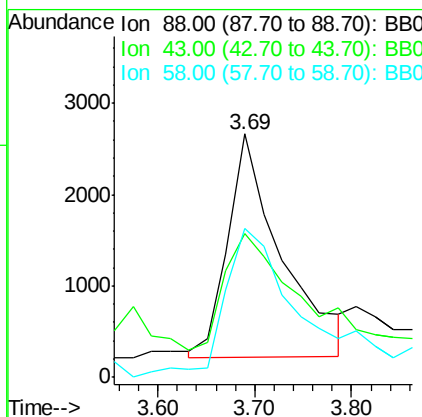
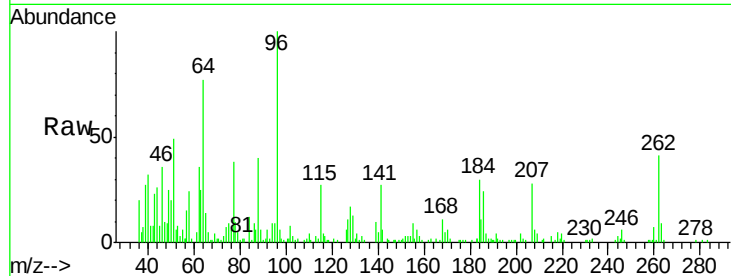
ClientSampleId :

MDL-06-W

Tgt Ion:	88	Resp:	9382
Ion Ratio	Lower	Upper	
88	100		
43	79.4	22.6	34.0#
58	81.6	57.3	85.9

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#4

Benzaldehyde

Concen: 2.49 ng/uL

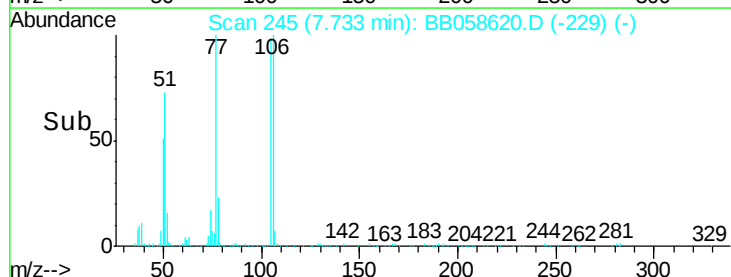
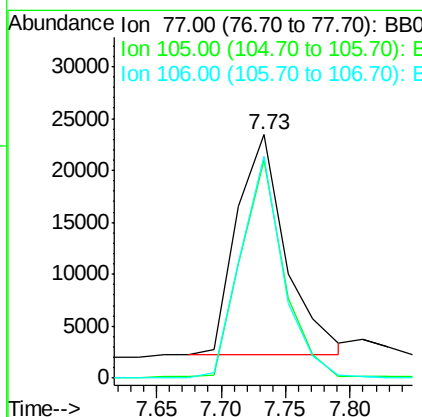
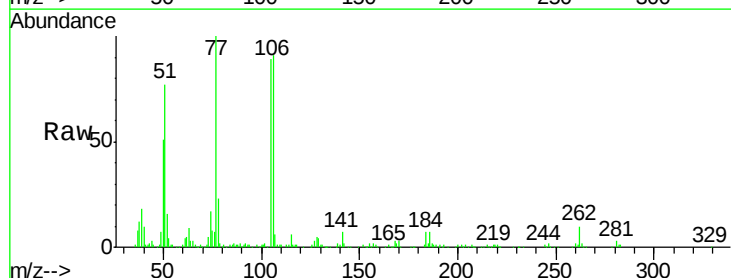
RT: 7.73 min Scan# 245

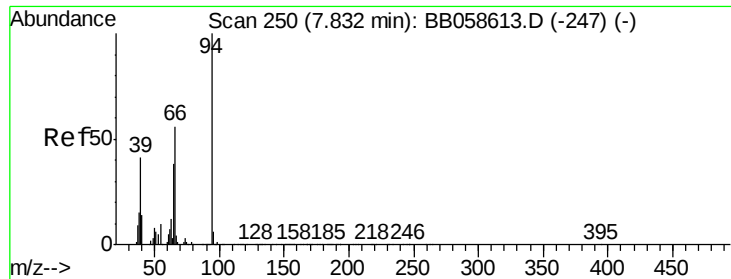
Delta R.T. 0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	77	Resp:	56089
Ion Ratio	Lower	Upper	
77	100		
105	89.4	76.9	115.3
106	91.2	71.8	107.8





#6

Phenol

Concen: 2.95 ng/ul

RT: 7.83 min Scan# 250

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

ClientSampleId :

MDL-06-W

Tgt Ion: 94 Resp: 102132

Ion Ratio Lower Upper

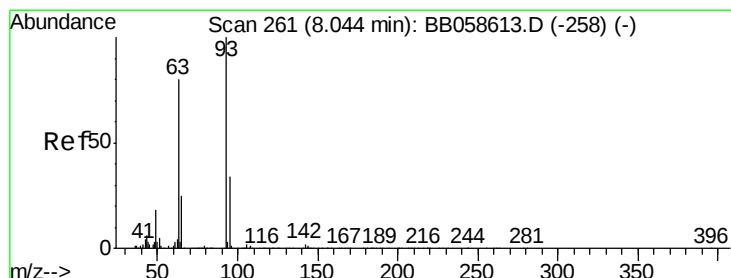
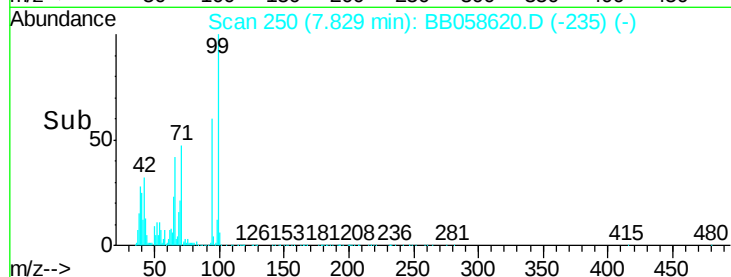
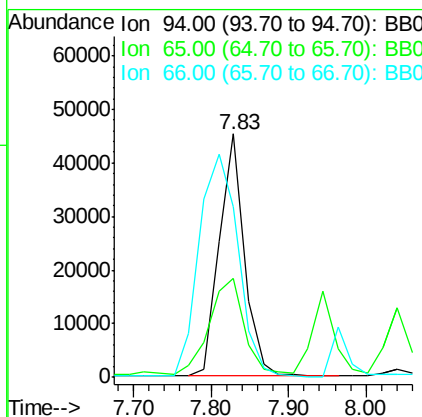
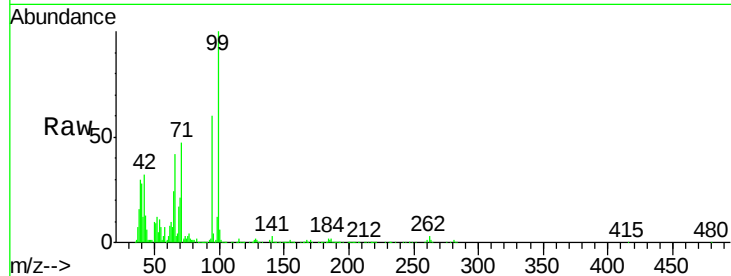
94 100

65 40.5 23.9 35.9#

66 70.3 33.5 50.3#

Manual Integrations
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#8

Bis(2-Chloroethyl)ether

Concen: 3.24 ng/ul

RT: 8.04 min Scan# 261

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

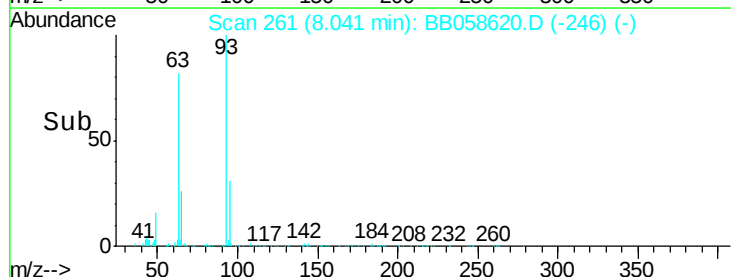
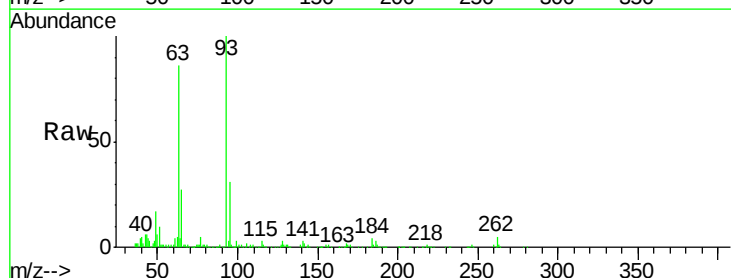
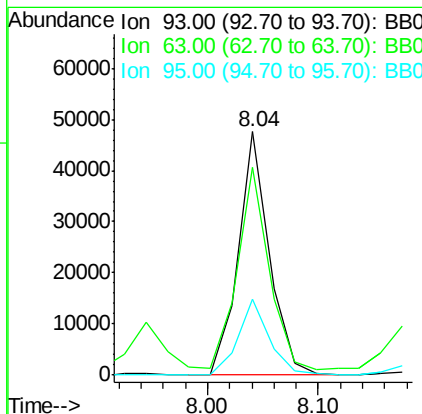
Tgt Ion: 93 Resp: 92739

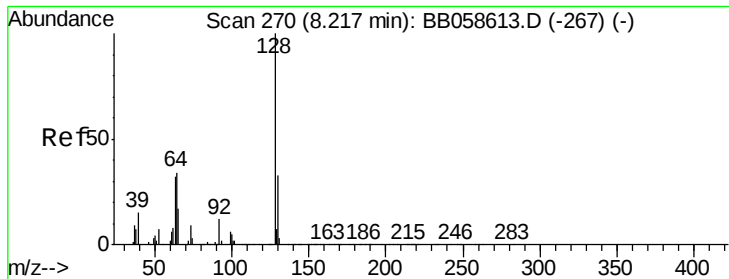
Ion Ratio Lower Upper

93 100

63 85.5 57.3 85.9

95 30.9 25.1 37.7





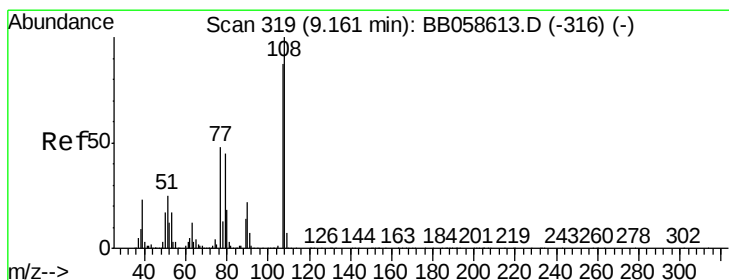
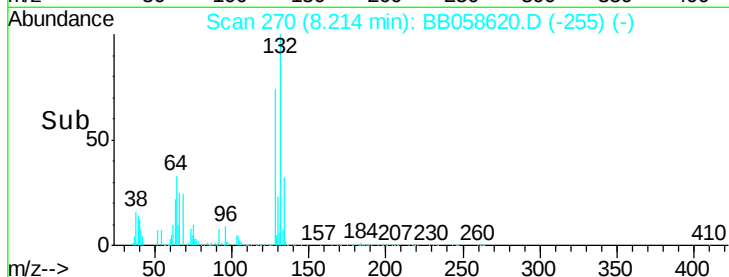
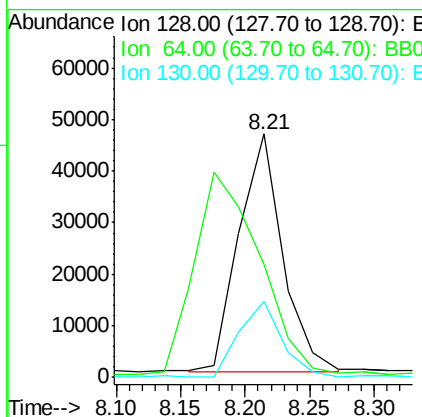
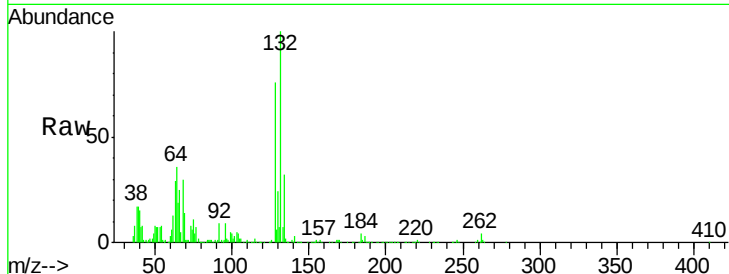
#10
2-Chlorophenol
Concen: 3.13 ng/ul
RT: 8.21 min Scan# 270
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	108021		
64	46.7		37.5	56.3
130	31.1		25.0	37.4

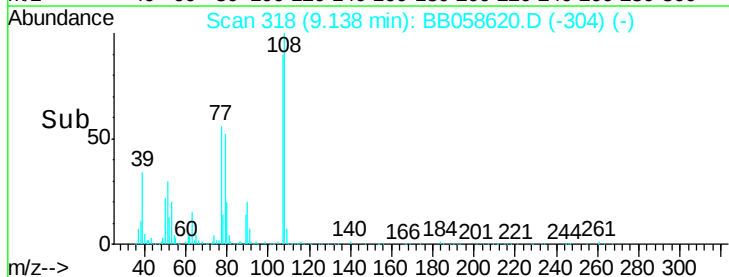
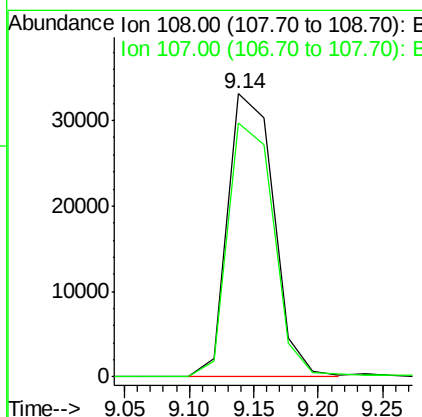
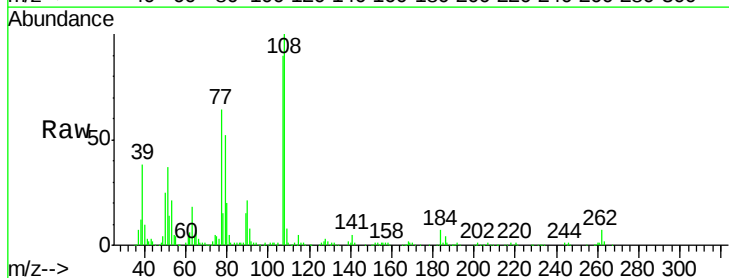
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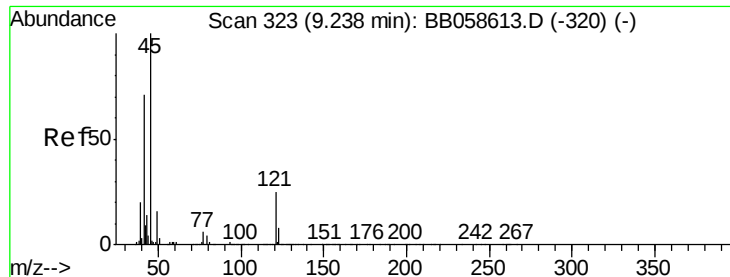
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#11
2-Methylphenol
Concen: 2.92 ng/ul
RT: 9.14 min Scan# 318
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	81417		
107	89.5		71.8	107.6





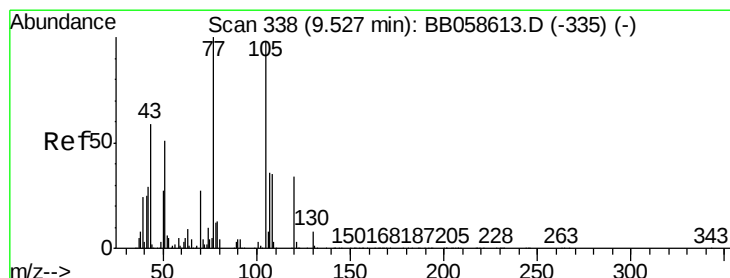
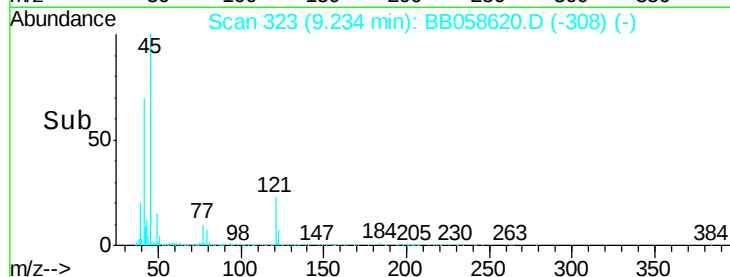
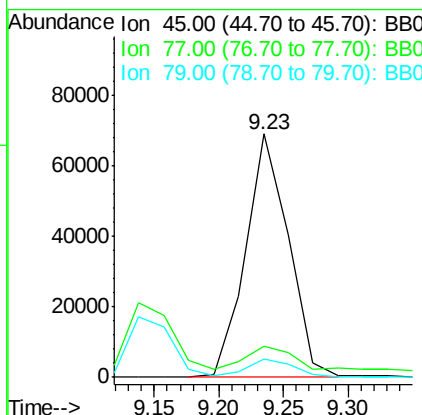
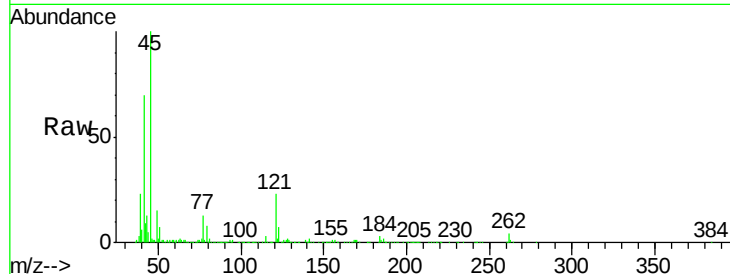
#12
2,2'-oxybis(1-Chloropropane)
Concen: 3.14 ng/ul
RT: 9.23 min Scan# 323
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

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Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.6	14.1	21.1#
79	7.7	10.4	15.6#

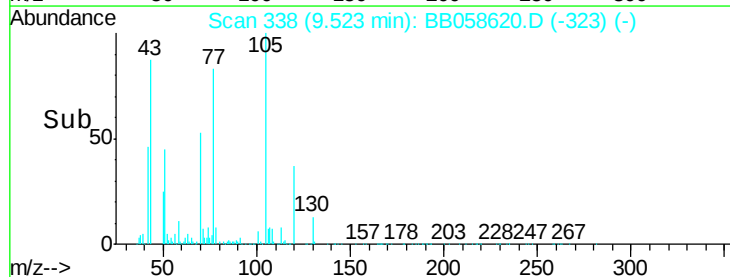
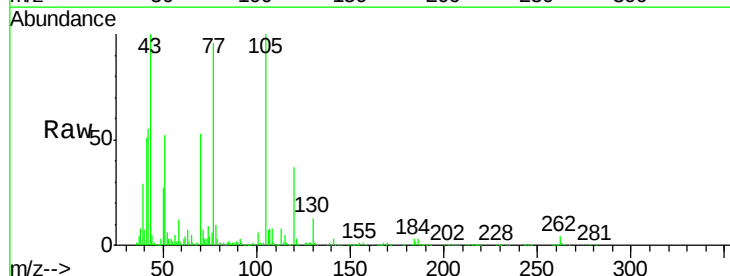
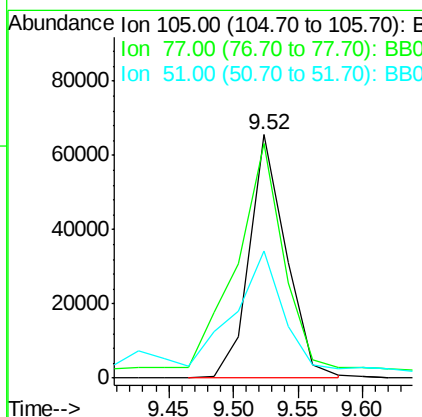
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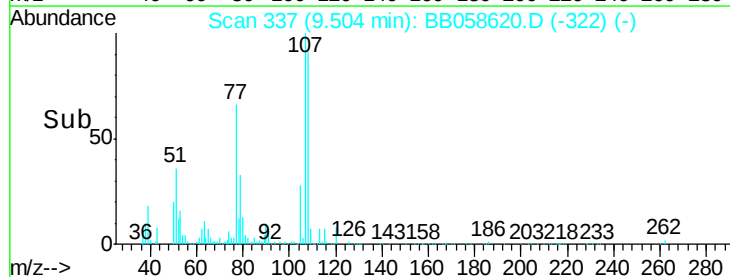
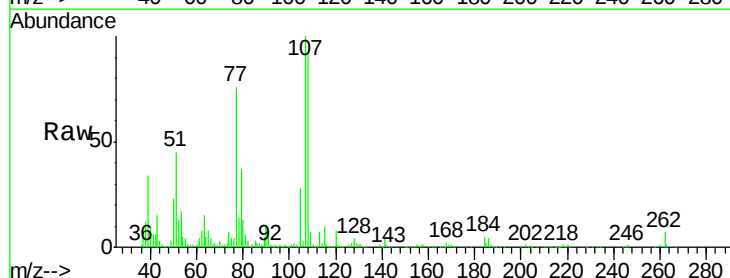
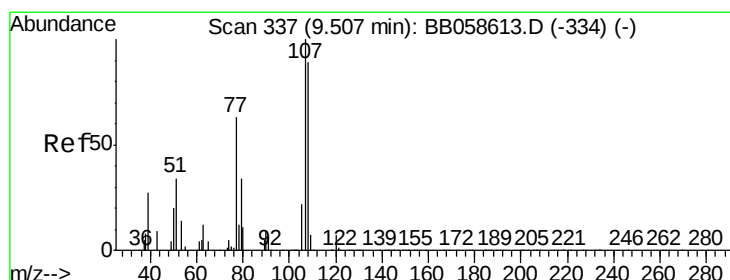
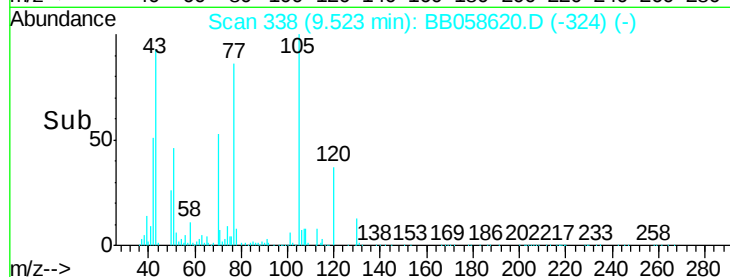
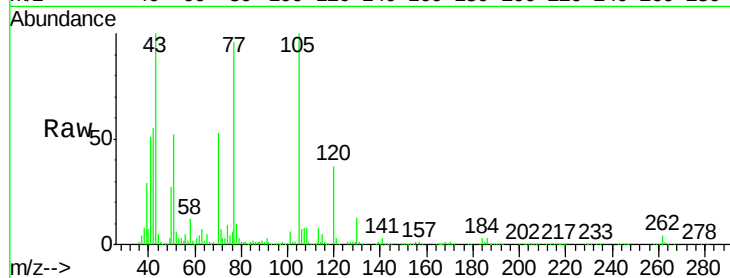
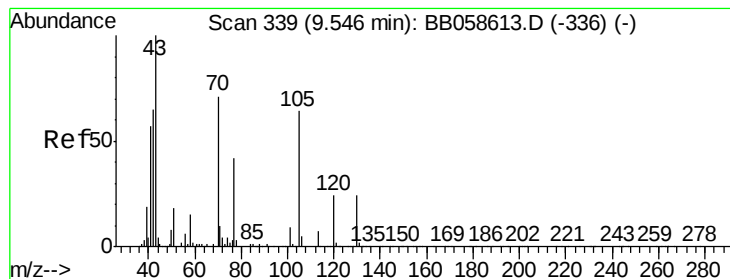
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10/13/2016 11:12:39 AM



#14
Acetophenone
Concen: 3.05 ng/ul
RT: 9.52 min Scan# 338
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Lower	Upper
105	100		
77	96.5	65.9	98.9
51	52.2	22.2	33.2#





#15

N-Nitroso-di-n-propylamine

Concen: 2.97 ng/ul

RT: 9.52 min Scan# 338

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	70	Resp:	74443
Ion Ratio	Lower	Upper	
70	100		
42	103.9	43.4	65.2#
101	11.4	7.8	11.6
130	24.9	16.2	24.4#

Instrument :

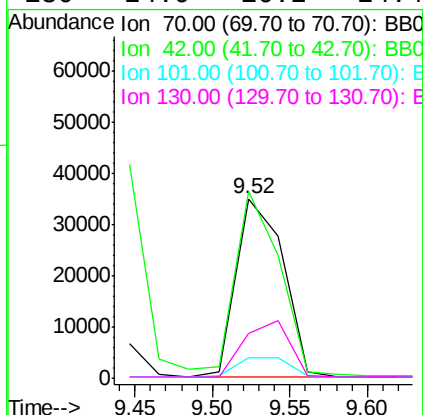
BNA_B

ClientSampleId :

MDL-06-W

Manual Integrations
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#16

4-Methylphenol

Concen: 2.88 ng/ul

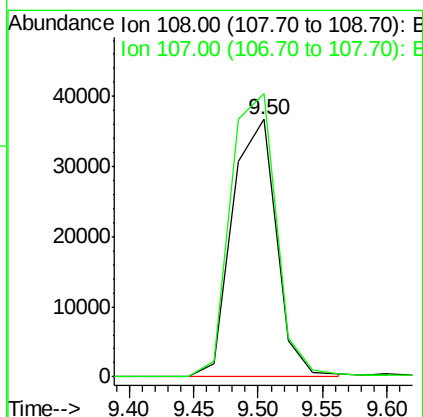
RT: 9.50 min Scan# 337

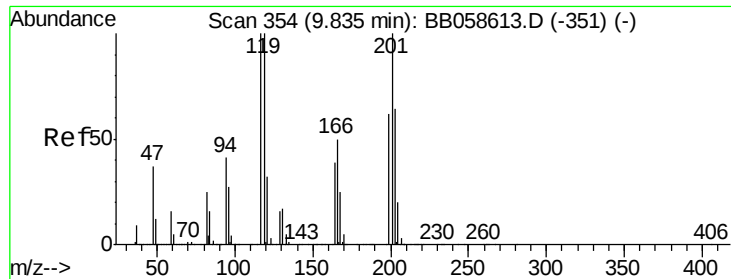
Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	108	Resp:	86574
Ion Ratio	Lower	Upper	
108	100		
107	109.9	87.8	131.8





#17

Hexachloroethane

Concen: 2.94 ng/ul

RT: 9.83 min Scan# 354

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

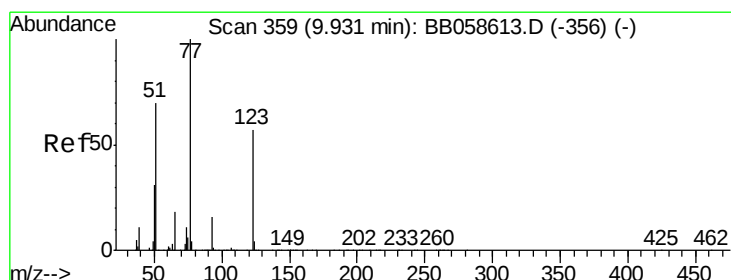
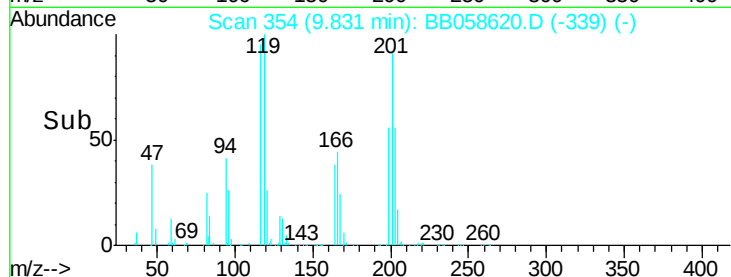
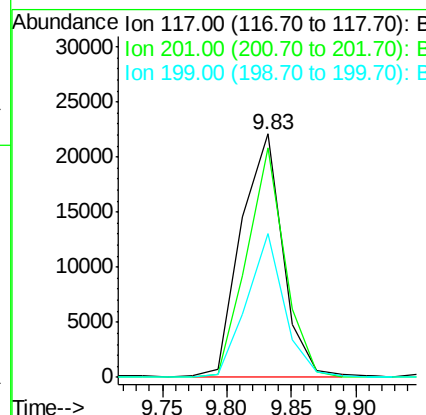
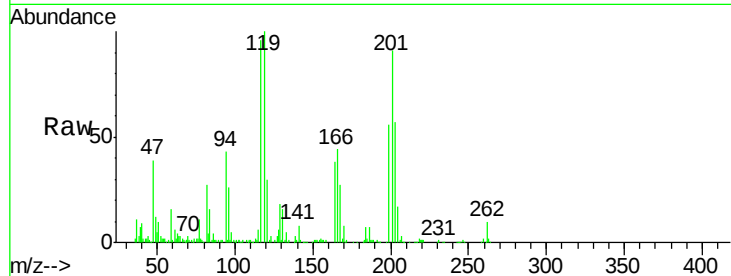
ClientSampleId :

MDL-06-W

Tgt Ion:	117	Resp:	49208
Ion Ratio	Lower	Upper	
117	100		
201	94.4	90.3	135.5
199	58.9	58.5	87.7

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#20

Nitrobenzene

Concen: 3.16 ng/ul

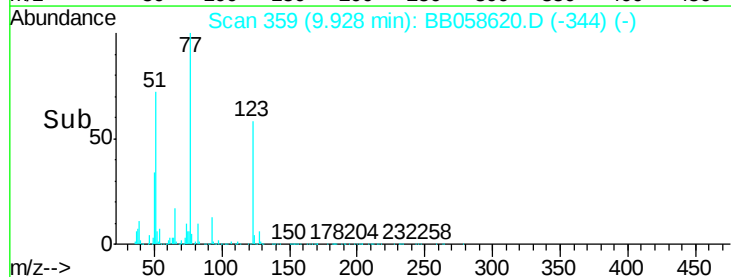
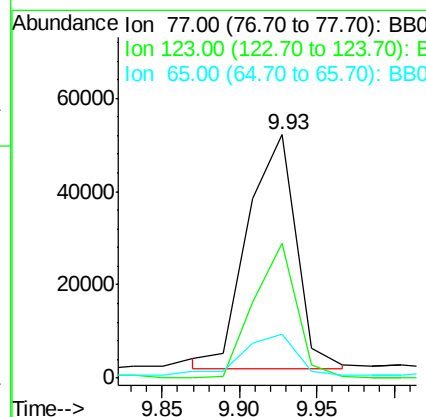
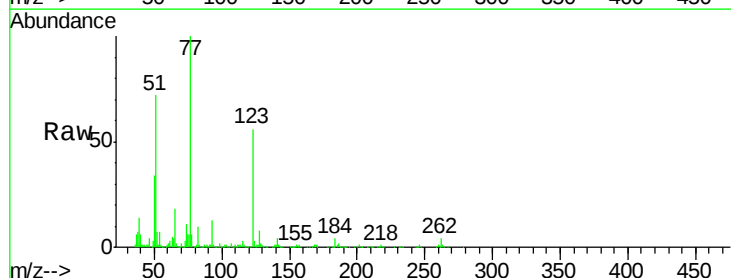
RT: 9.93 min Scan# 359

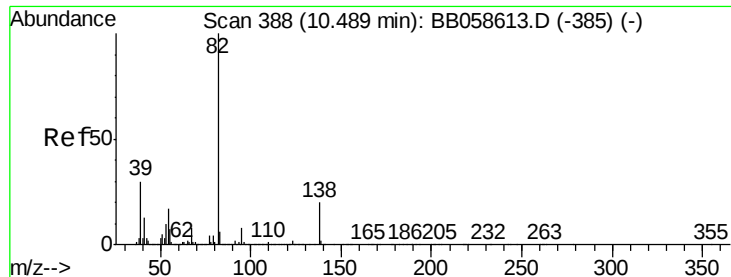
Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	77	Resp:	109961
Ion Ratio	Lower	Upper	
77	100		
123	55.6	34.2	51.4#
65	17.8	11.0	16.6#





#21

Isophorone

Concen: 3.19 ng/ul

RT: 10.49 min Scan# 388

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

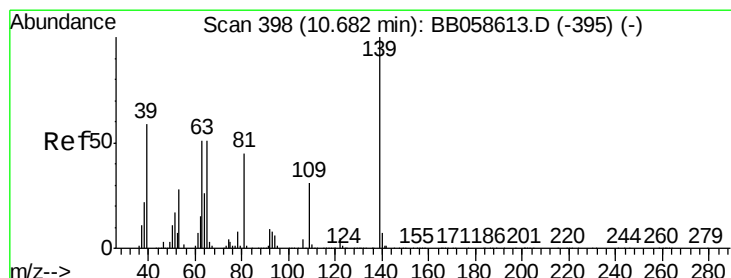
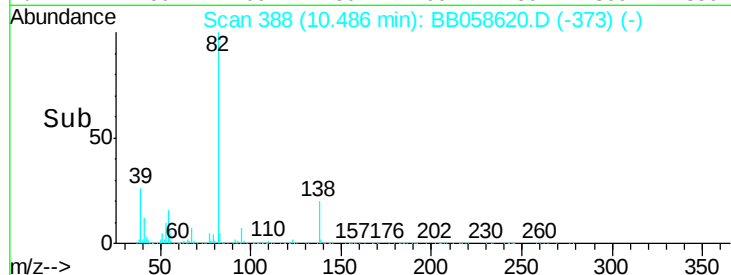
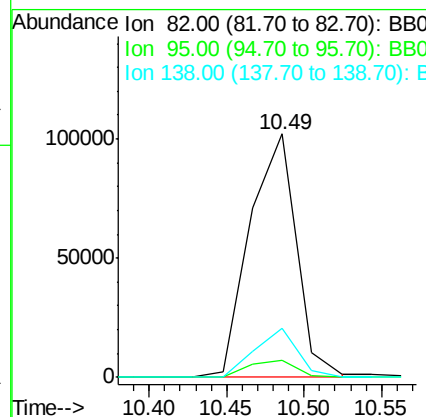
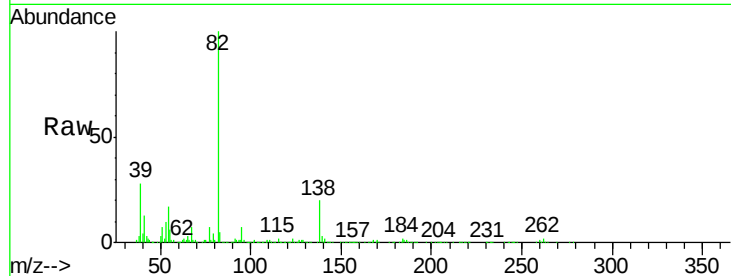
ClientSampleId :

MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	214005		
95	7.2	6.9	10.3	
138	20.1	13.8	20.8	

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#23

2-Nitrophenol

Concen: 3.27 ng/ul

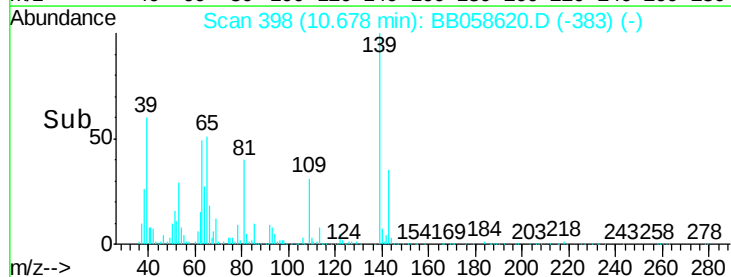
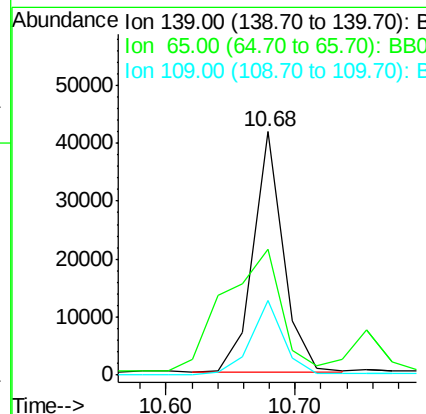
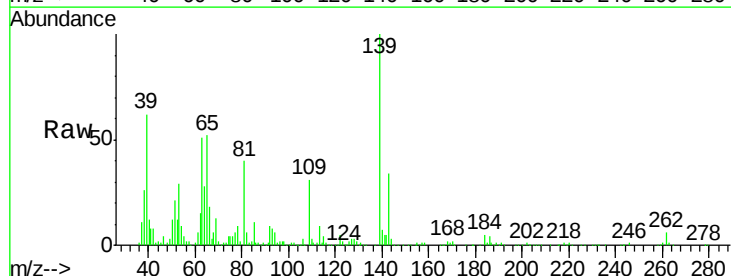
RT: 10.68 min Scan# 398

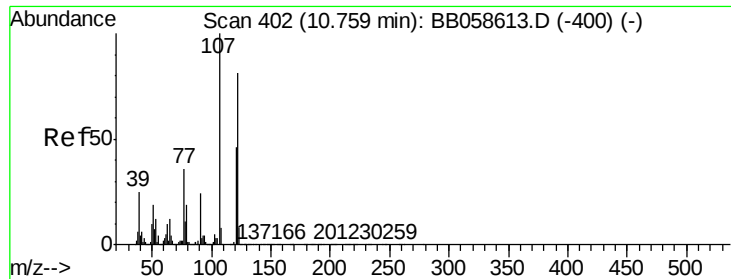
Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	67969		
65	51.8	44.2	66.4	
109	30.8	28.2	42.4	





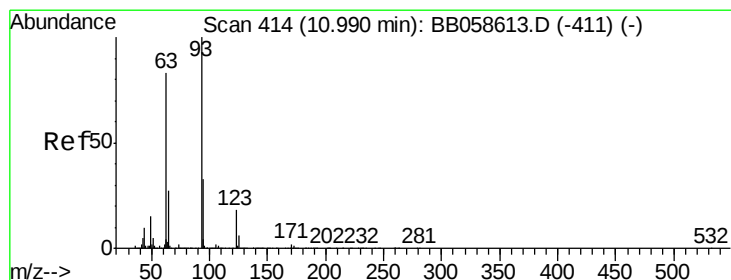
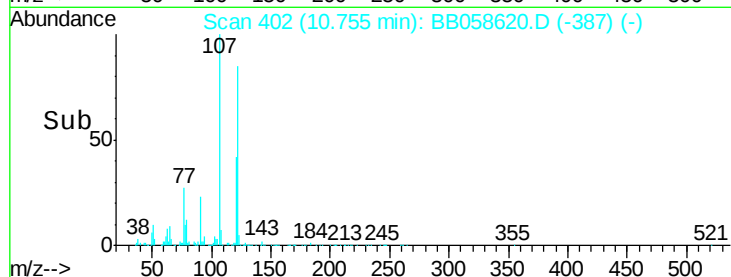
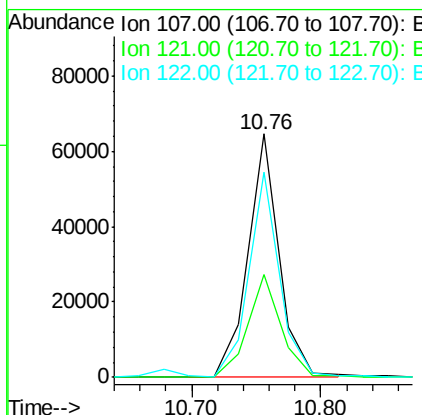
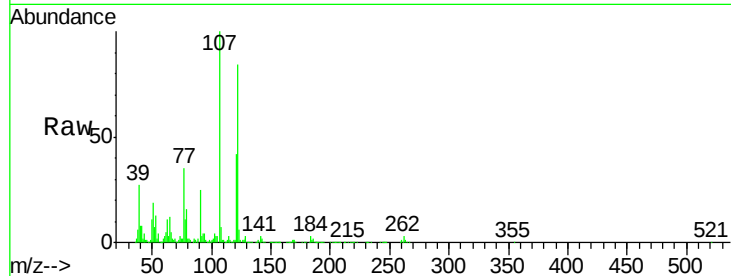
#24
2,4-Dimethylphenol
Concen: 3.17 ng/ul
RT: 10.76 min Scan# 402
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	107868		
121	42.3	37.1	55.7	
122	84.3	62.8	94.2	

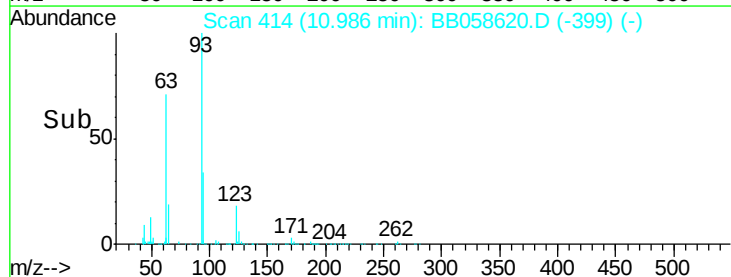
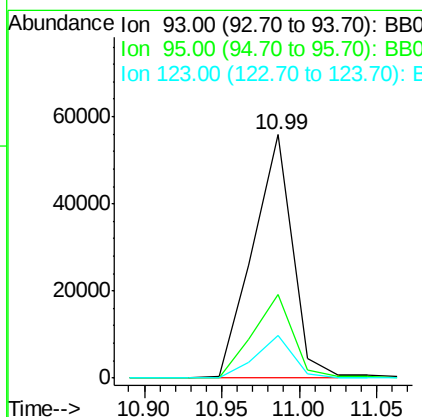
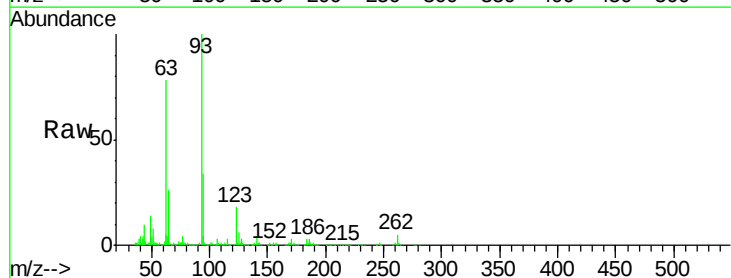
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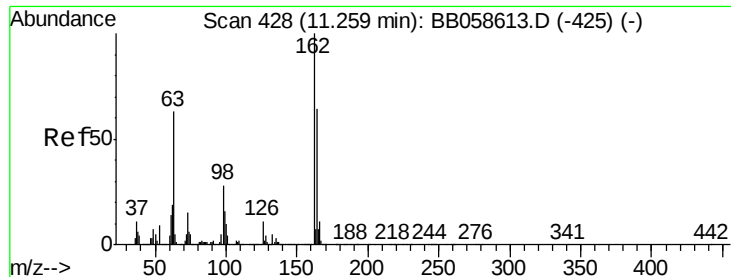
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#25
Bis(2-Chloroethoxy)methane
Concen: 3.10 ng/ul
RT: 10.99 min Scan# 414
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	100123		
95	34.2	25.4	38.0	
123	17.7	8.3	12.5#	





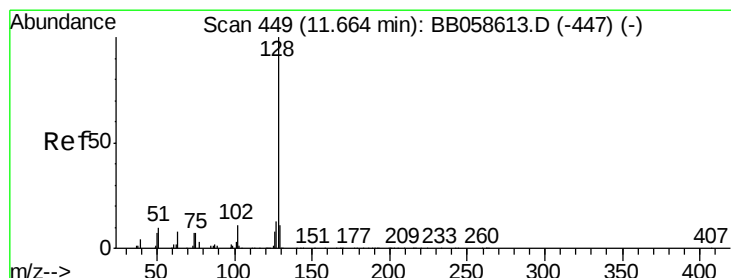
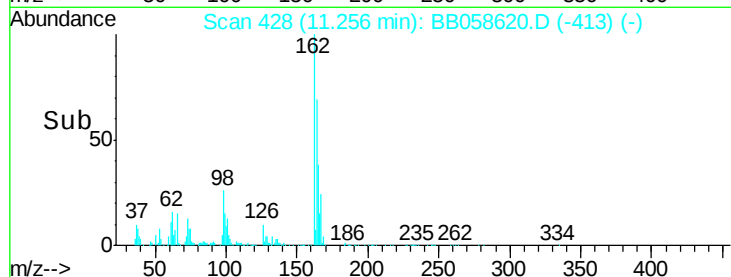
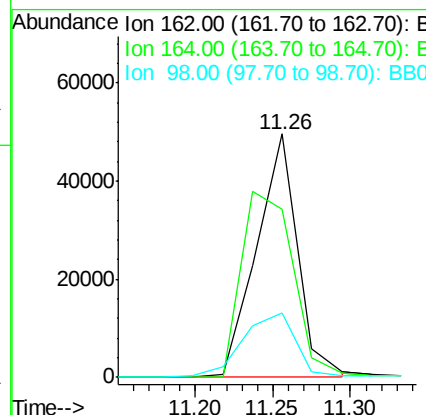
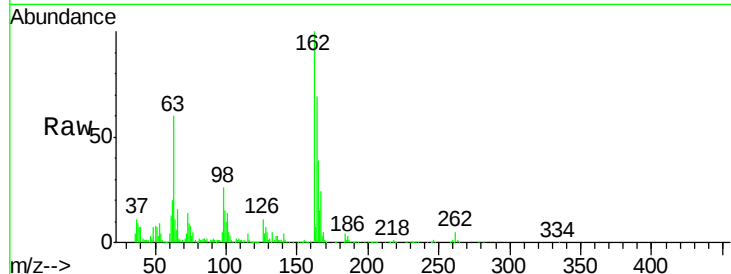
#27
 2,4-Dichlorophenol
 Concen: 3.26 ng/ul
 RT: 11.26 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BB058620.D
 Acq: 12 Oct 2016 14:53

Instrument :
 BNA_B
 ClientSampleId :
 MDL-06-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	69.1	51.6	77.4
98	26.2	28.4	42.6

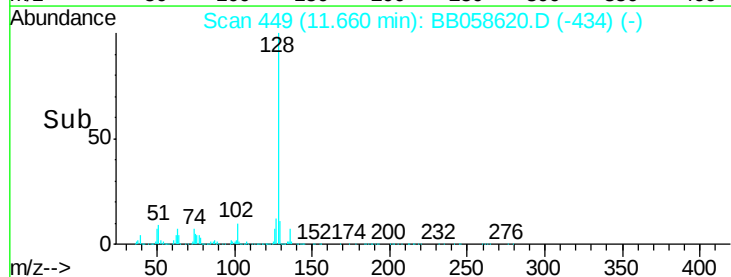
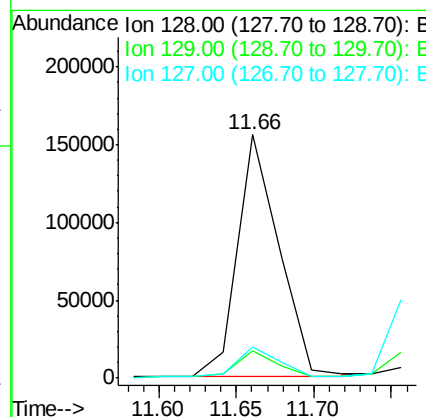
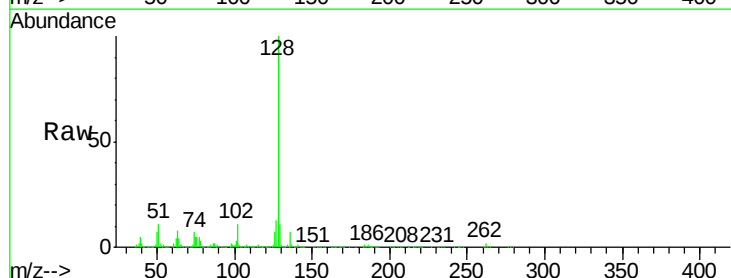
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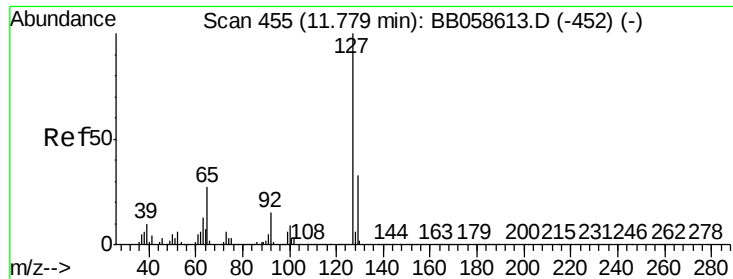
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#28
 Naphthalene
 Concen: 3.42 ng/ul
 RT: 11.66 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BB058620.D
 Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.4	8.6	12.8
127	12.6	10.6	15.8





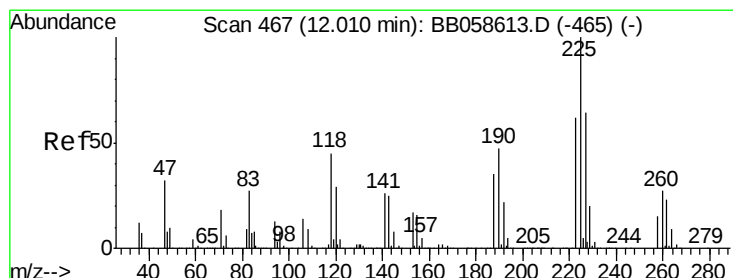
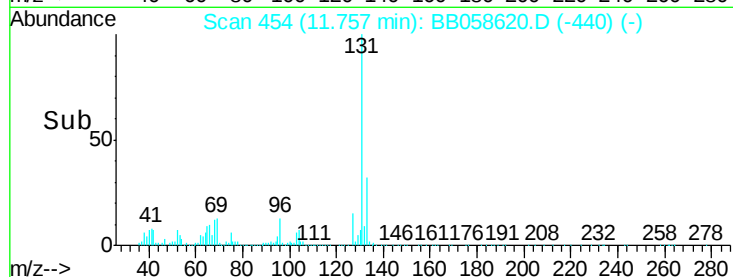
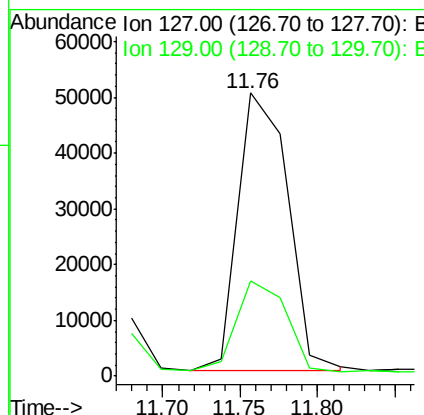
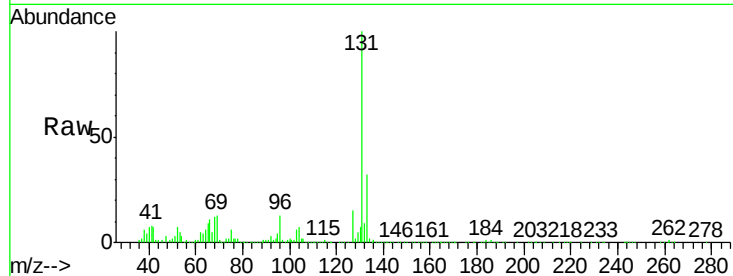
#30
4-Chloroaniline
Concen: 3.49 ng/ul
RT: 11.76 min Scan# 454
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampled :
MDL-06-W

Tgt Ion:127 Resp: 112363
Ion Ratio Lower Upper
127 100
129 33.4 24.6 37.0

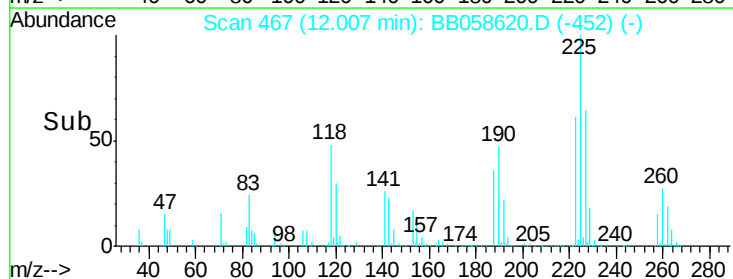
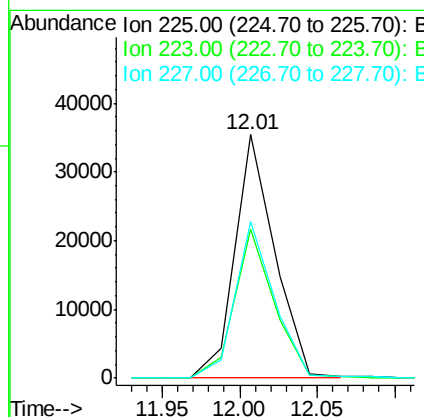
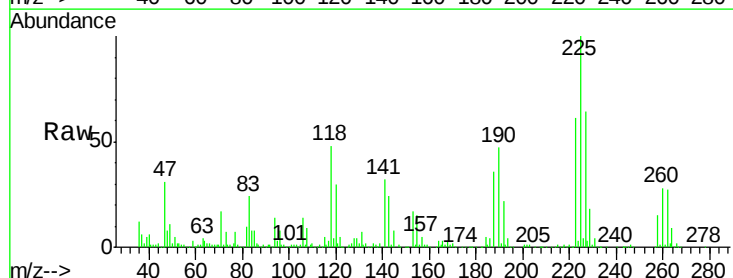
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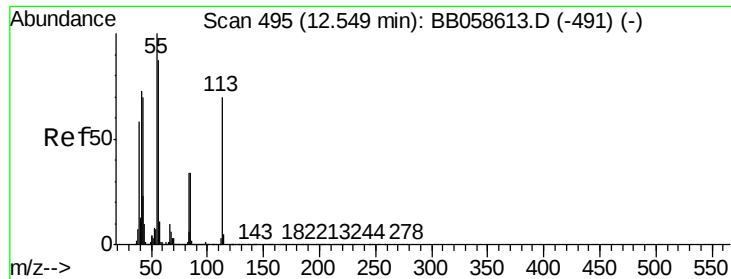
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#31
Hexachlorobutadiene
Concen: 3.32 ng/ul
RT: 12.01 min Scan# 467
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion:225 Resp: 64100
Ion Ratio Lower Upper
225 100
223 61.3 51.2 76.8
227 64.5 52.5 78.7





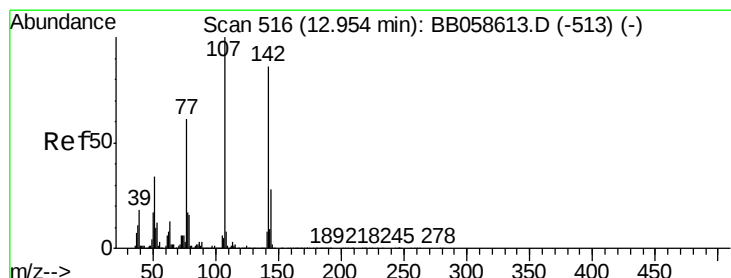
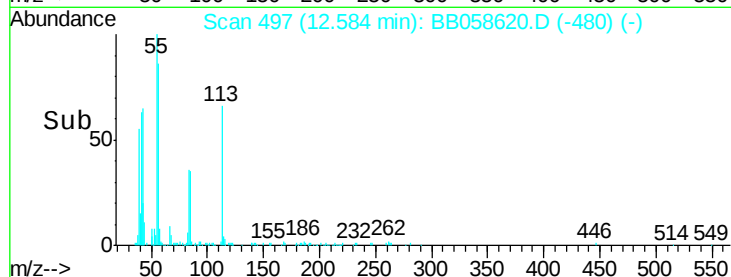
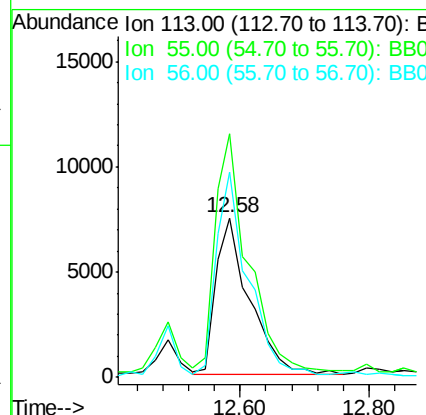
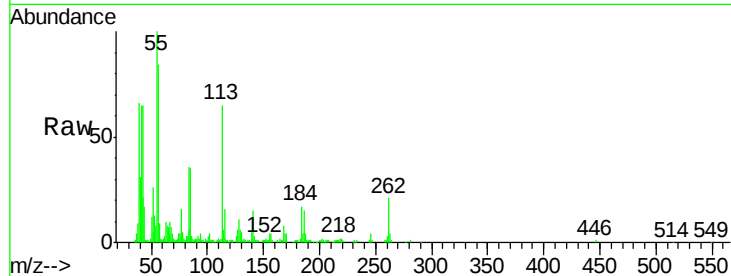
#32
Caprolactam
Concen: 2.62 ng/ul
RT: 12.58 min Scan# 497
Delta R.T. 0.04 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	26908		
55	152.9	121.9	182.9	
56	129.1	97.4	146.0	

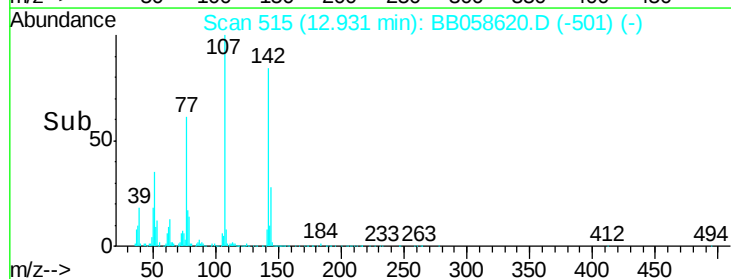
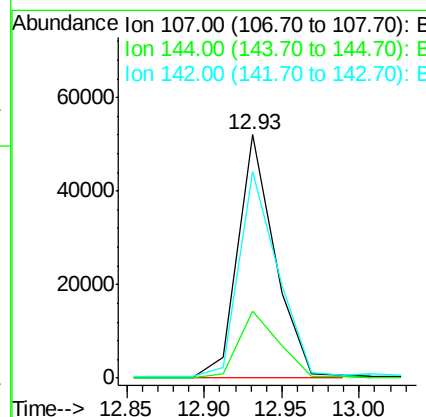
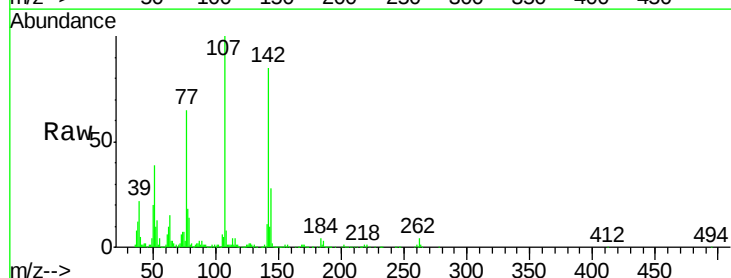
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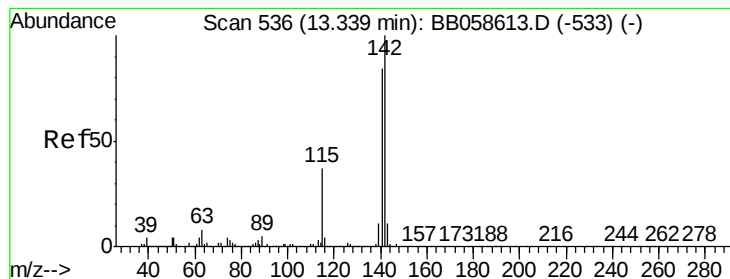
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#33
4-Chloro-3-methylphenol
Concen: 3.09 ng/ul
RT: 12.93 min Scan# 515
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	87029		
144	27.7	21.1	31.7	
142	84.8	64.1	96.1	





#34

2-Methylnaphthalene

Concen: 3.44 ng/ul

RT: 13.32 min Scan# 535

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

ClientSampled :

MDL-06-W

Tgt Ion:142 Resp: 202542

Ion Ratio Lower Upper

142 100

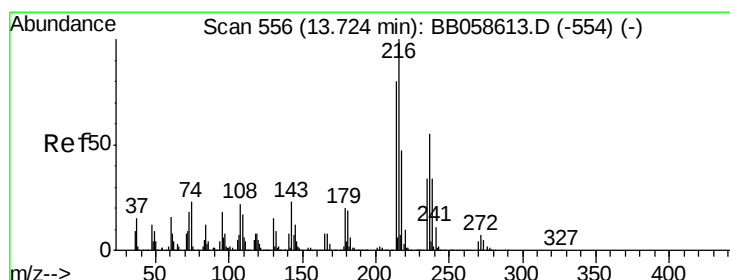
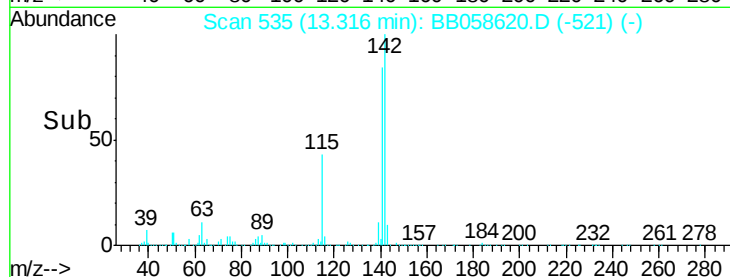
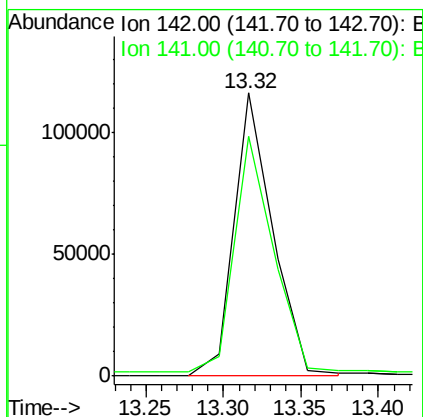
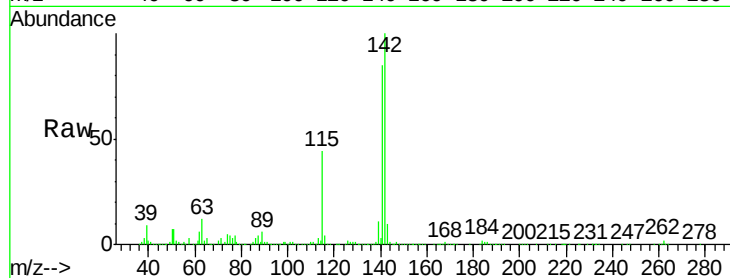
141 84.5 71.3 106.9

Manual Integrations

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#36

1,2,4,5-Tetrachlorobenzene

Concen: 3.41 ng/ul

RT: 13.72 min Scan# 556

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:216 Resp: 111551

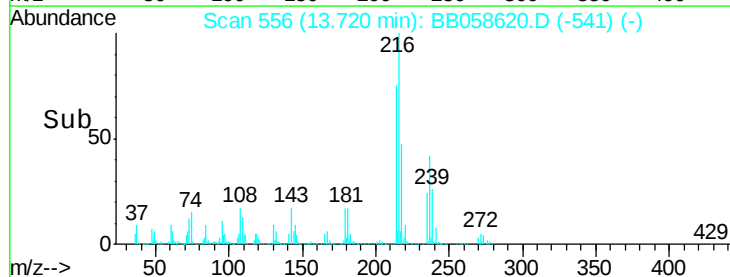
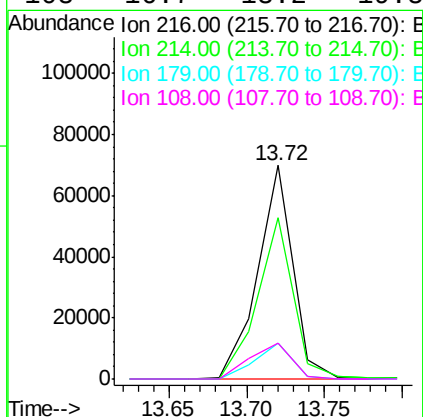
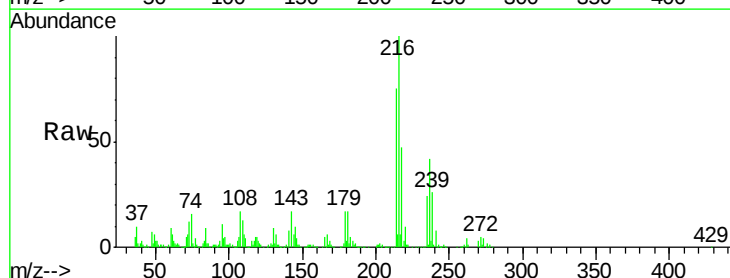
Ion Ratio Lower Upper

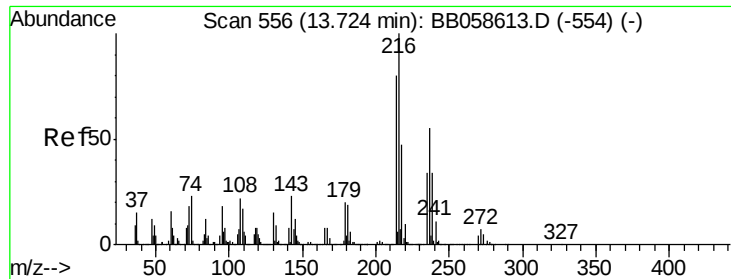
216 100

214 75.3 64.8 97.2

179 17.0 16.7 25.1

108 16.7 13.2 19.8





#37

Hexachlorocyclopentadiene

Concen: 2.05 ng/ul

RT: 13.72 min Scan# 556

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

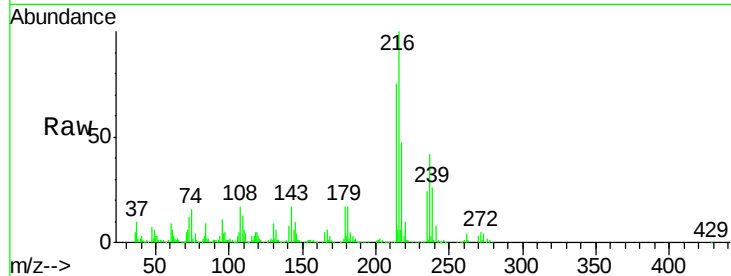
ClientSampleId :

MDL-06-W

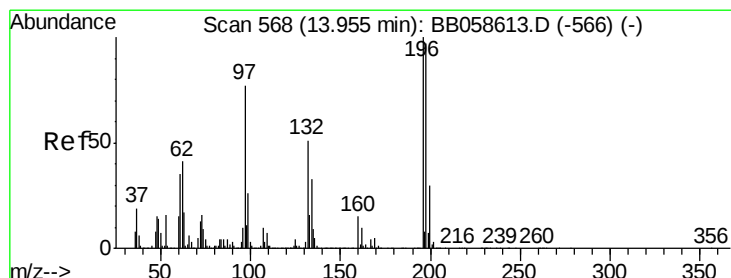
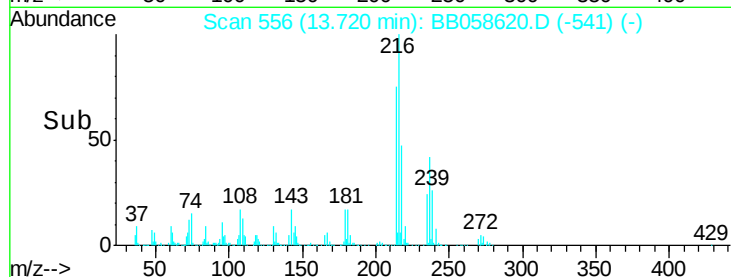
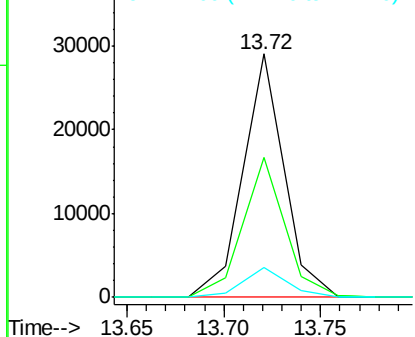
Tgt Ion:	237	Resp:	42306
Ion Ratio	Lower	Upper	
237	100		
235	57.6	49.6	74.4
272	13.6	10.4	15.6

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Abundance Ion 237.00 (236.70 to 237.70): E
Ion 235.00 (234.70 to 235.70): E
Ion 272.00 (271.70 to 272.70): E



#38

2,4,6-Trichlorophenol

Concen: 3.28 ng/ul

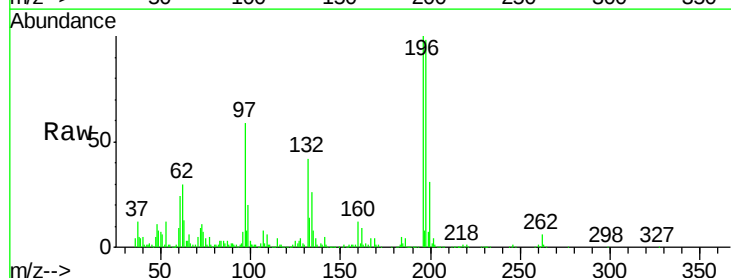
RT: 13.95 min Scan# 568

Delta R.T. -0.00 min

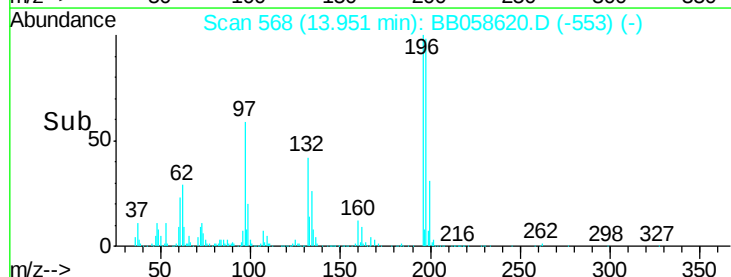
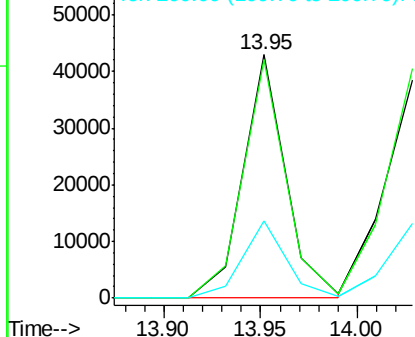
Lab File: BB058620.D

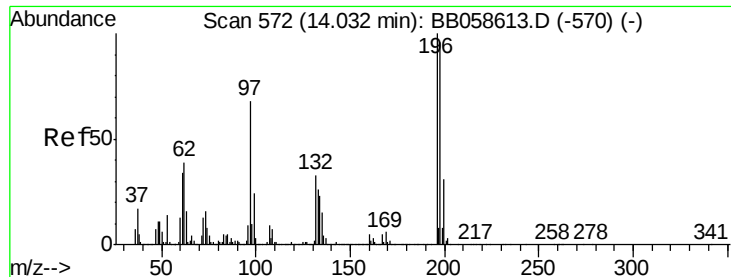
Acq: 12 Oct 2016 14:53

Tgt Ion:	196	Resp:	65160
Ion Ratio	Lower	Upper	
196	100		
198	98.2	76.9	115.3
200	31.5	25.1	37.7



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





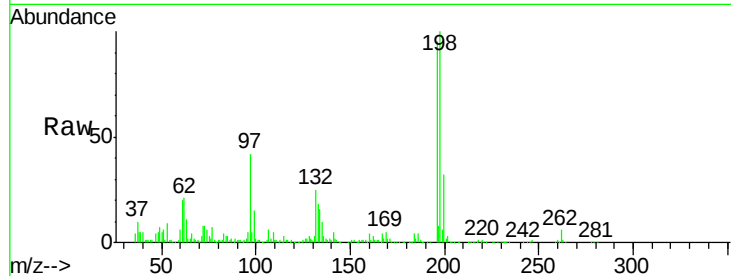
#39
 2,4,5-Trichlorophenol
 Concen: 3.15 ng/ul
 RT: 14.03 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BB058620.D
 Acq: 12 Oct 2016 14:53

Instrument :
 BNA_B
 ClientSampleId :
 MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	66389		
198	105.4	76.8	115.2	
200	34.1	27.0	40.4	

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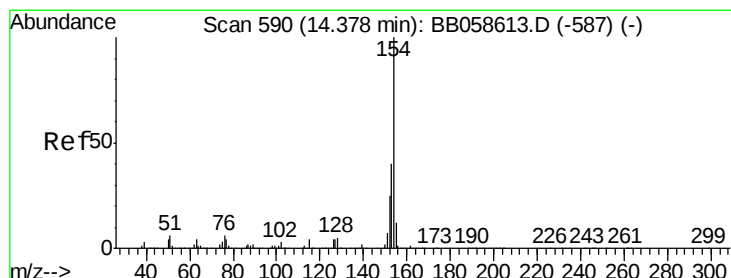
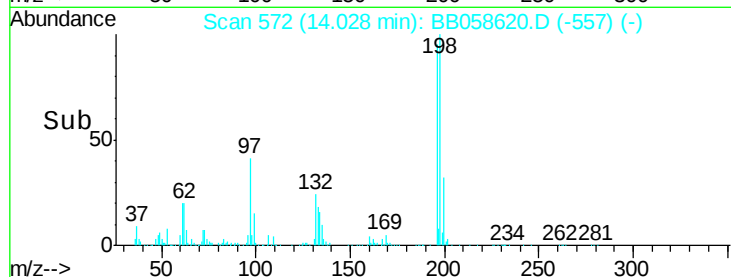
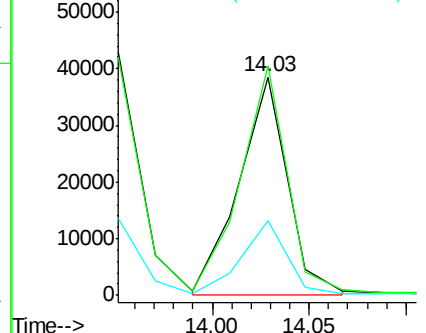


Abundance

Ion 196.00 (195.70 to 196.70): E

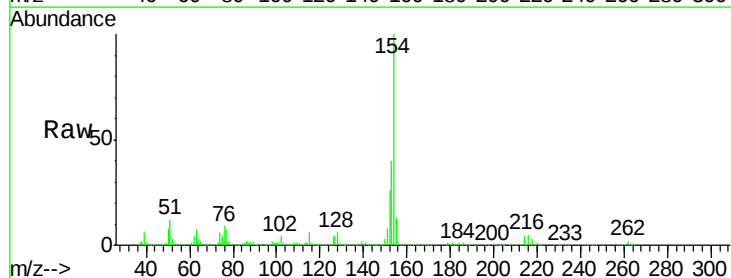
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#40
 1,1'-Biphenyl
 Concen: 3.41 ng/ul
 RT: 14.36 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BB058620.D
 Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	243668		
153	40.1	31.3	46.9	
76	9.2	10.0	15.0	

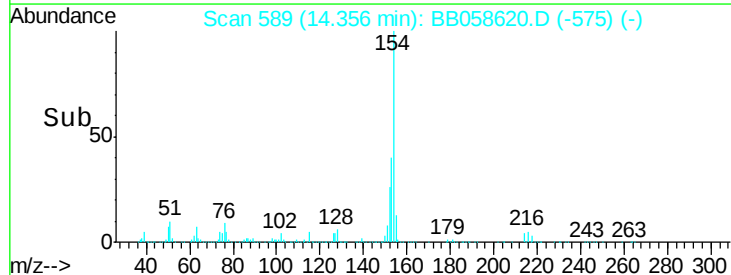
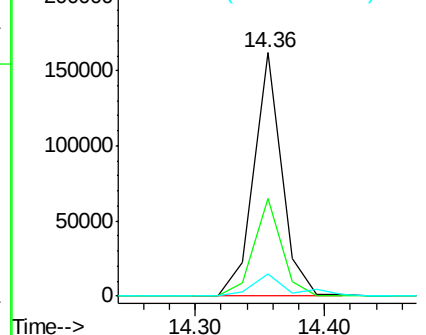


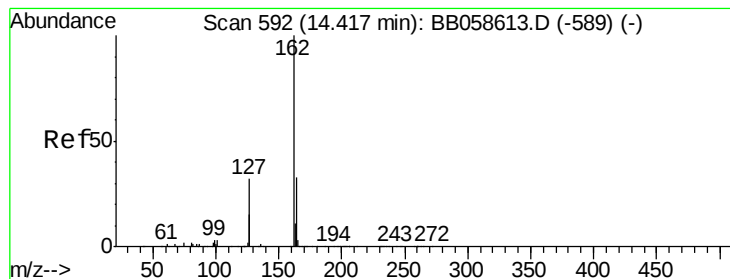
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BB0





#41

2-Chloronaphthalene

Concen: 3.26 ng/ul

RT: 14.39 min Scan# 591

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

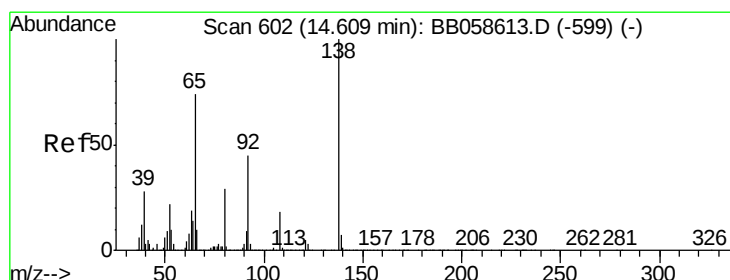
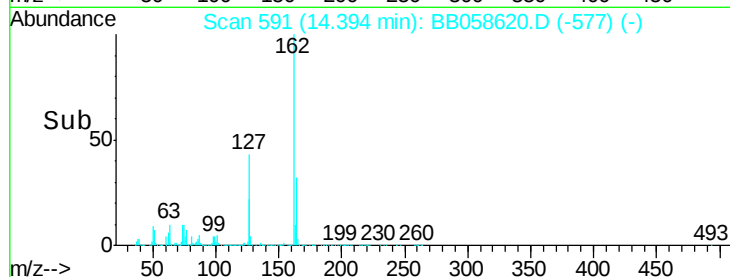
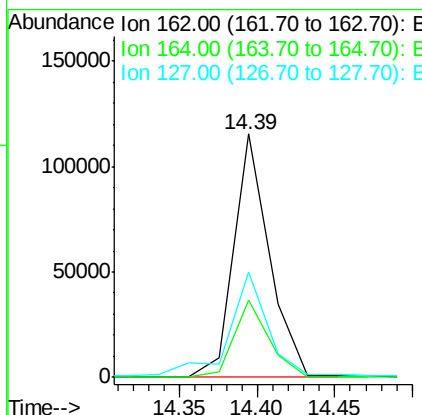
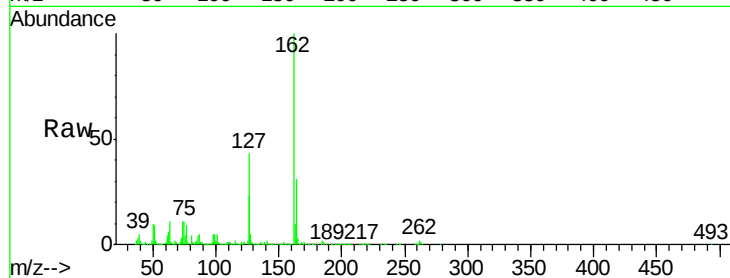
ClientSampleId :

MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	185626		
164	31.5	26.9	40.3	
127	43.3	31.2	46.8	

Manual Integrations
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#42

2-Nitroaniline

Concen: 2.90 ng/ul

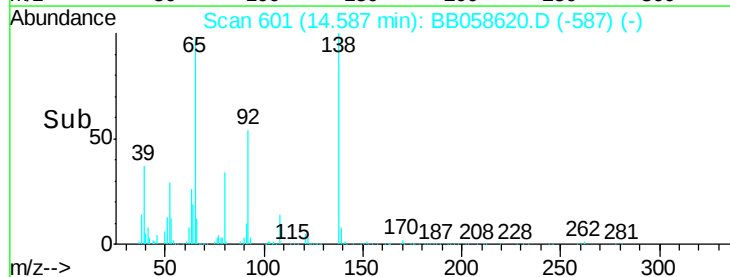
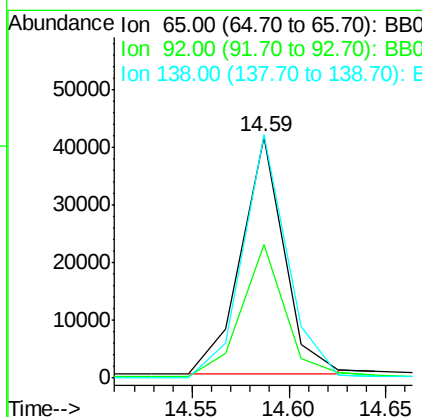
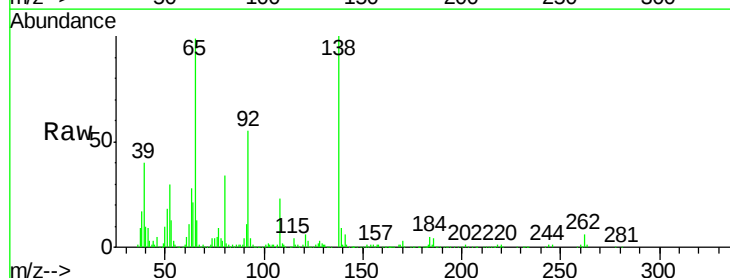
RT: 14.59 min Scan# 601

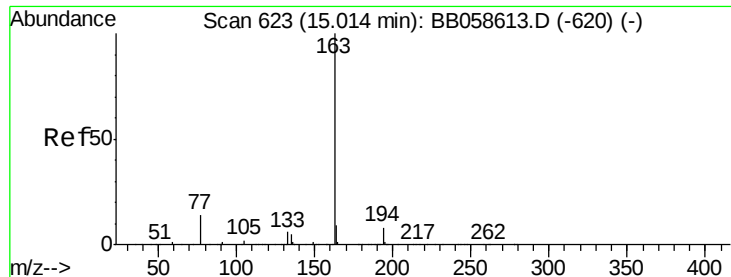
Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	63498		
92	55.1	55.6	83.4#	
138	100.8	81.3	121.9	





#44

Dimethylphthalate

Concen: 3.54 ng/ul

RT: 14.99 min Scan# 622

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

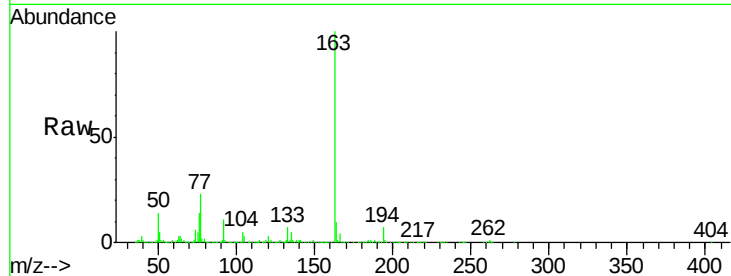
ClientSampleId :

MDL-06-W

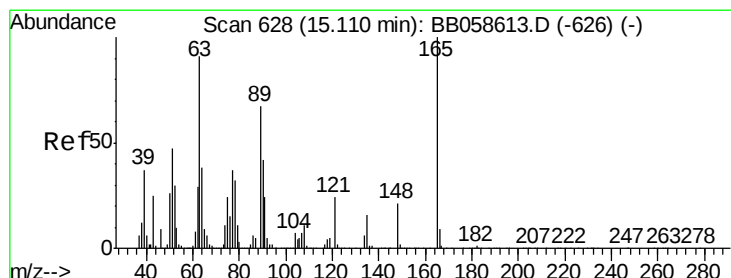
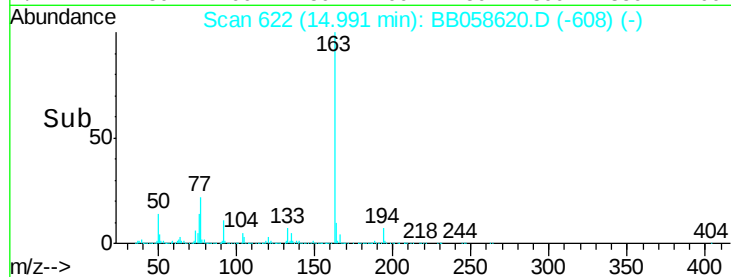
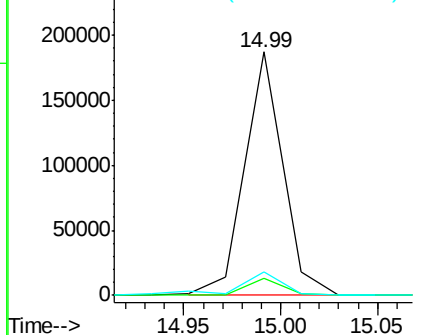
Tgt Ion:	163	Resp:	250755
Ion Ratio		Lower	Upper
163	100		
194	7.1	3.4	5.2#
164	9.7	7.8	11.8

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#45

2,6-Dinitrotoluene

Concen: 3.08 ng/ul

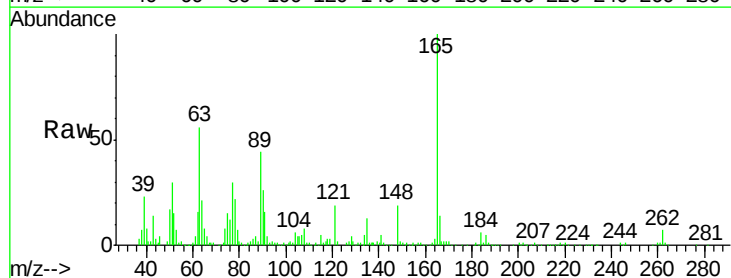
RT: 15.11 min Scan# 628

Delta R.T. -0.00 min

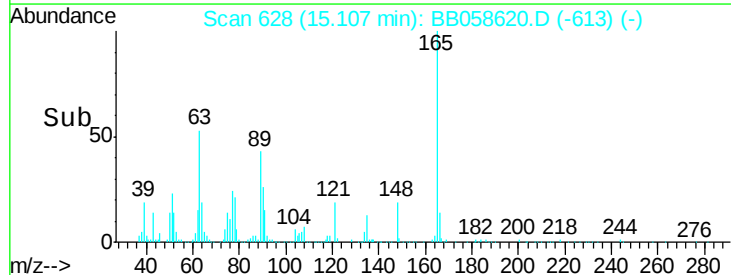
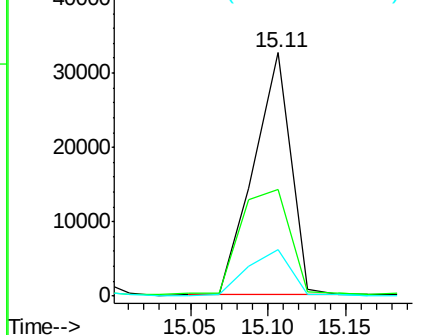
Lab File: BB058620.D

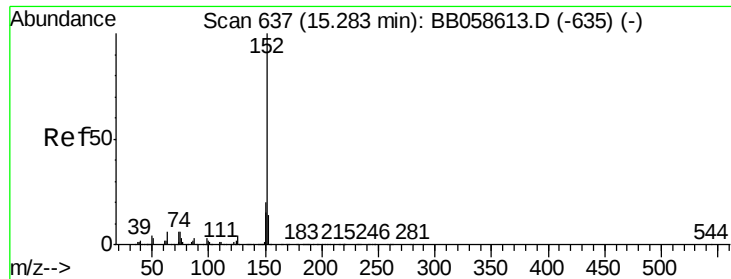
Acq: 12 Oct 2016 14:53

Tgt Ion:	165	Resp:	55200
Ion Ratio		Lower	Upper
165	100		
89	43.8	46.6	69.8#
121	18.9	16.0	24.0



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BB0
Ion 121.00 (120.70 to 121.70): E





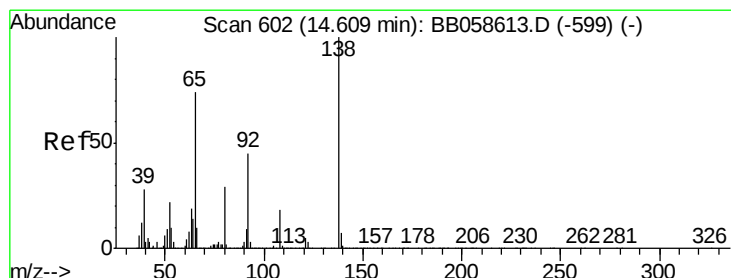
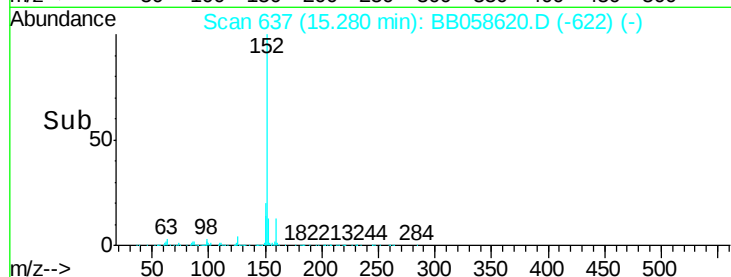
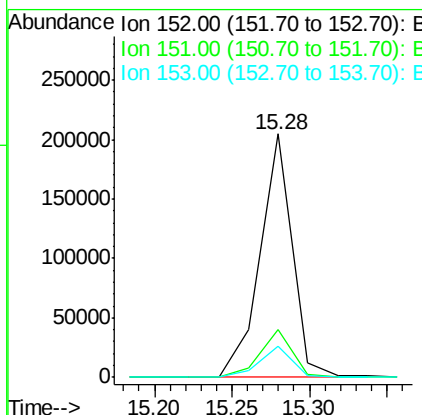
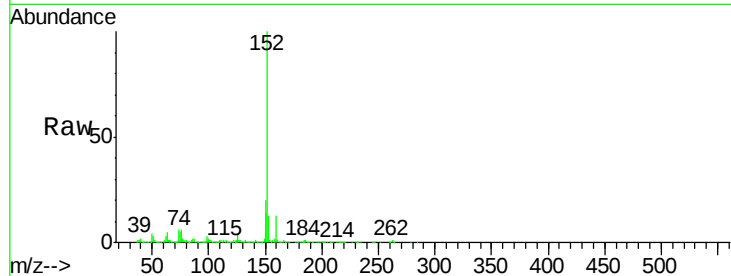
#47
Acenaphthylene
Concen: 3.66 ng/ul
RT: 15.28 min Scan# 637
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	296958		
151	19.7	16.0	24.0	
153	13.0	11.0	16.6	

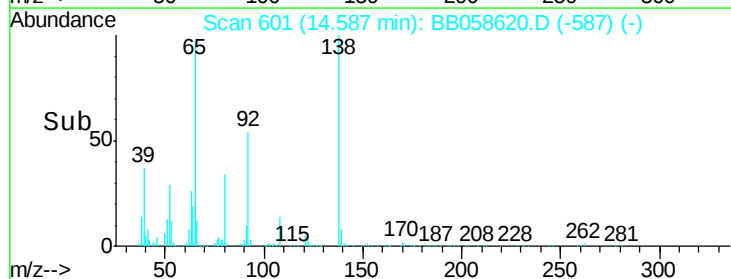
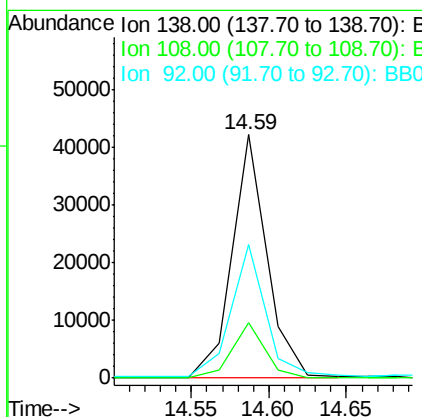
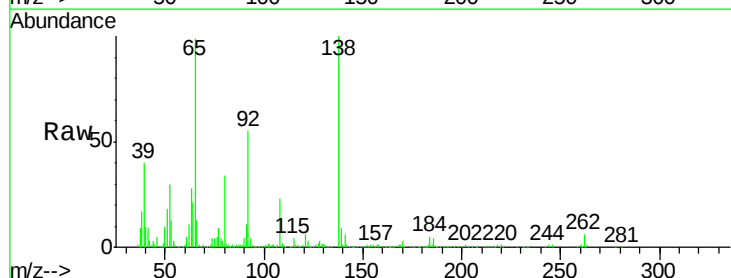
Manual Integrations
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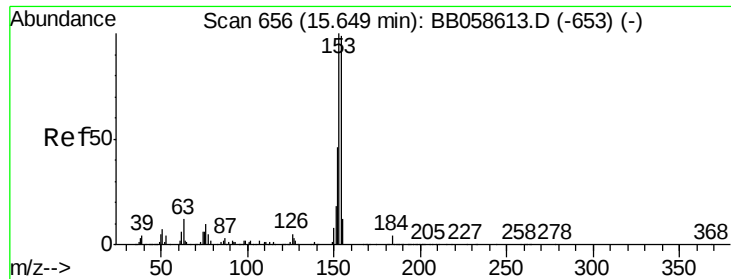
SOHIL
10/13/2016 11:12:39 AM



#48
3-Nitroaniline
Concen: 2.86 ng/ul
RT: 14.59 min Scan# 601
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	66999		
108	22.8	9.4	14.0#	
92	54.7	96.6	145.0#	





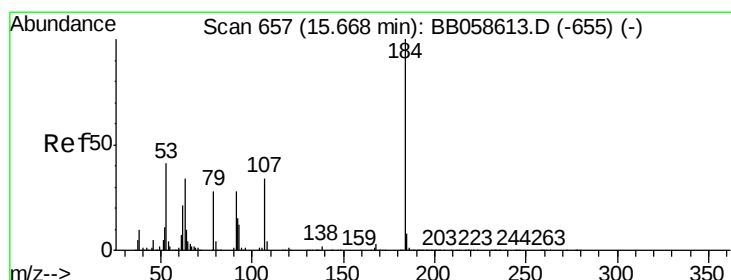
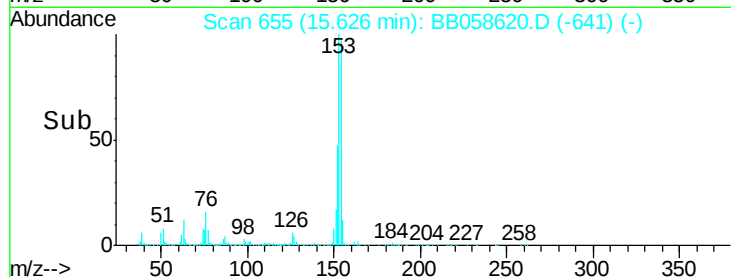
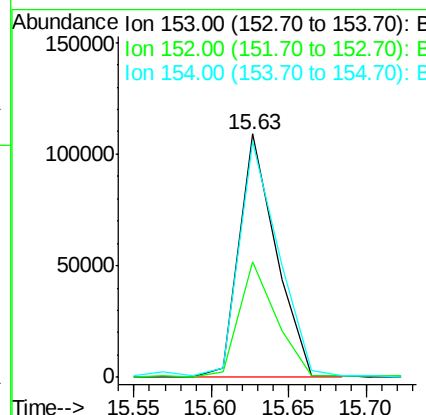
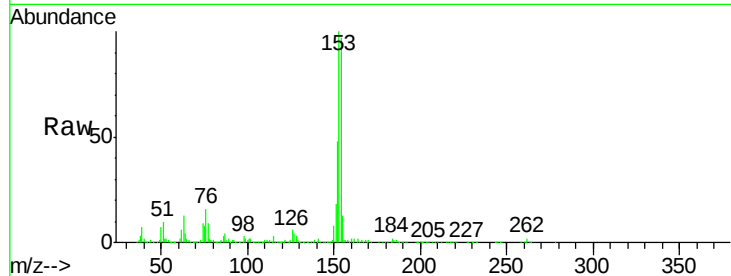
#49
Acenaphthene
Concen: 3.27 ng/ul
RT: 15.63 min Scan# 655
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	182078		
152	47.6	37.8	56.6	
154	97.1	71.4	107.0	

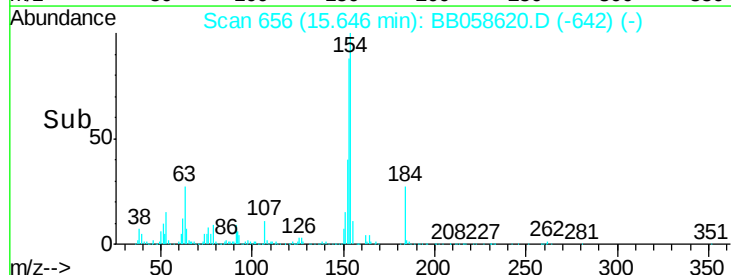
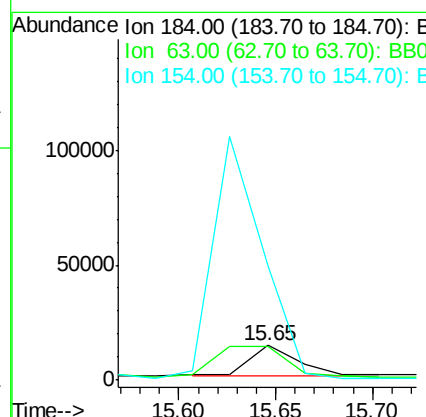
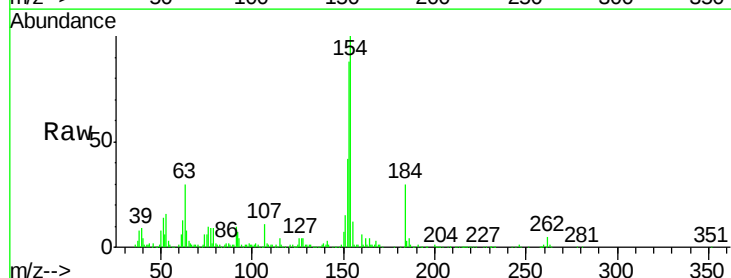
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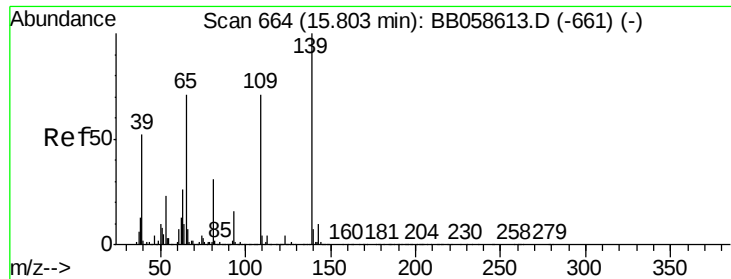
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#50
2,4-Dinitrophenol
Concen: 1.81 ng/ul
RT: 15.65 min Scan# 656
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	23046		
63	98.4	43.4	65.0#	
154	331.2	48.2	72.4#	





#52

4-Nitrophenol

Concen: 2.84 ng/ul

RT: 15.78 min Scan# 663

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

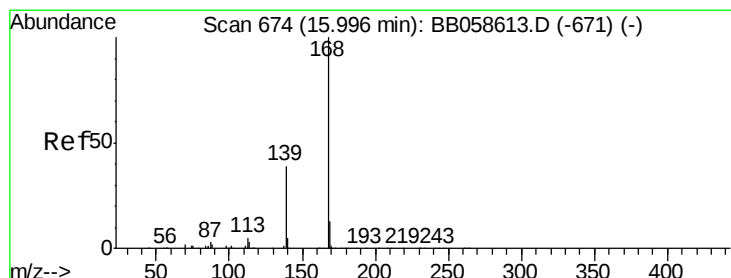
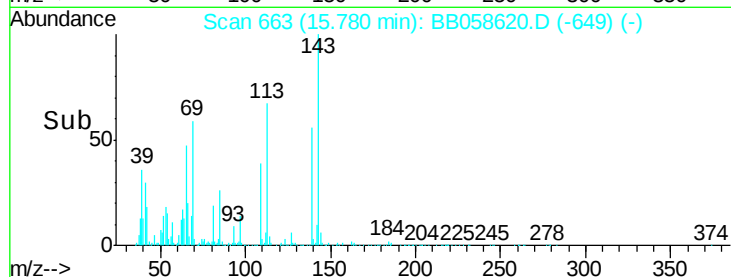
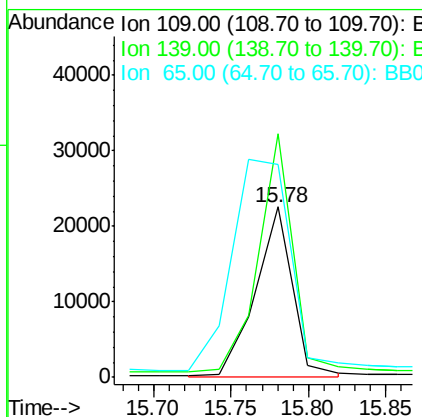
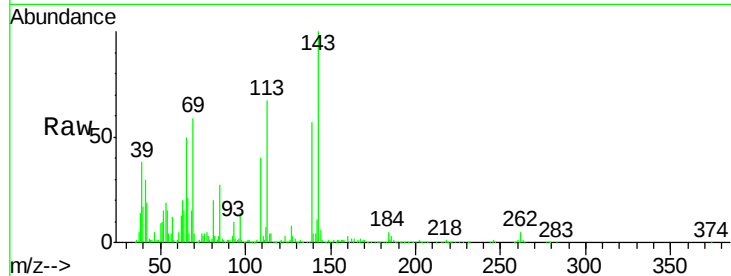
ClientSampleId :

MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	37599		
139	142.9	88.7	133.1#	
65	125.1	96.4	144.6	

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#53

Dibenzofuran

Concen: 3.46 ng/ul

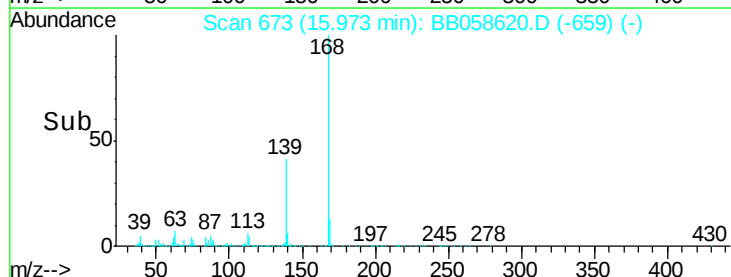
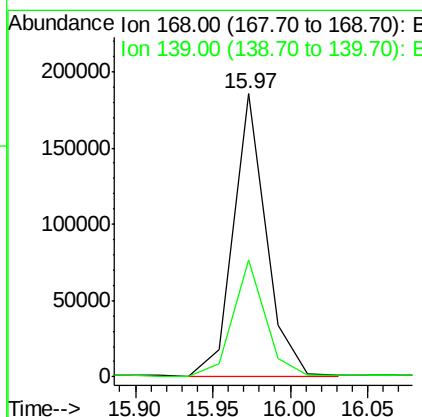
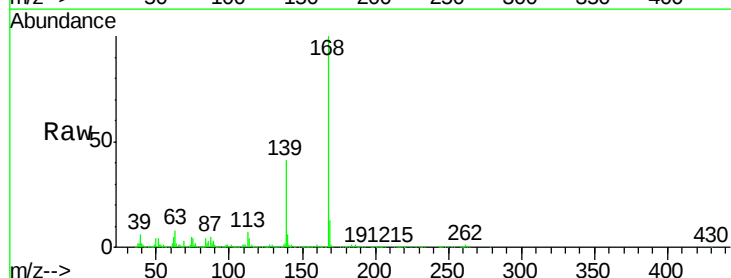
RT: 15.97 min Scan# 673

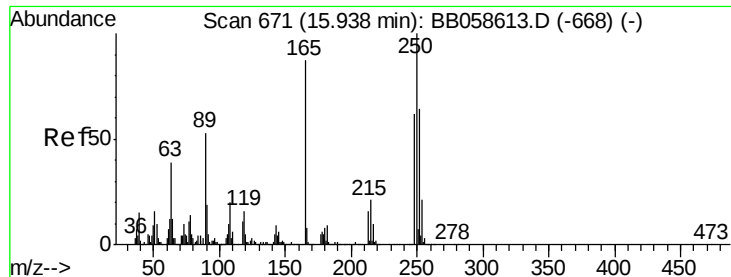
Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	274528		
139	41.3	30.1	45.1	





#54

2,4-Dinitrotoluene

Concen: 3.22 ng/ul

RT: 15.92 min Scan# 670

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

ClientSampleId :

MDL-06-W

Tgt Ion:165 Resp: 80279
Ion Ratio Lower Upper

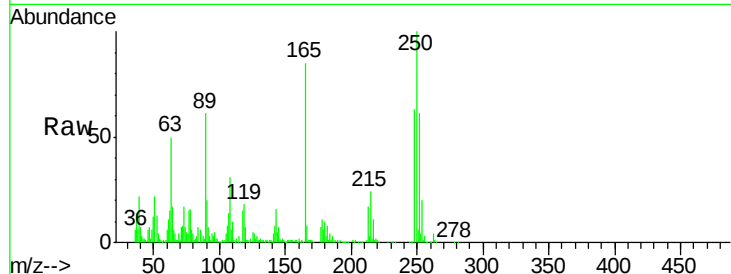
165 100

63 58.9 36.2 54.2#

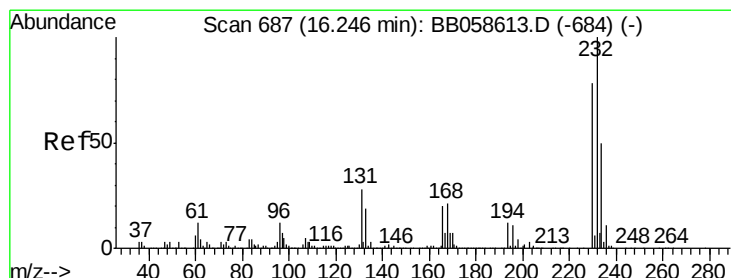
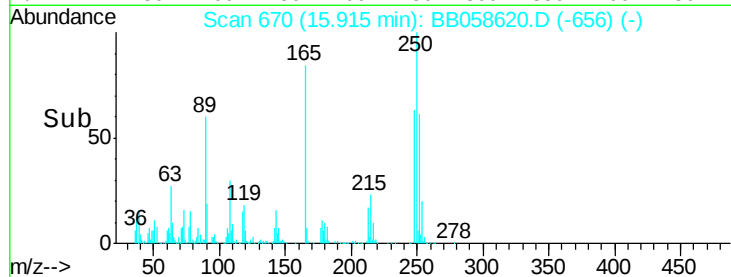
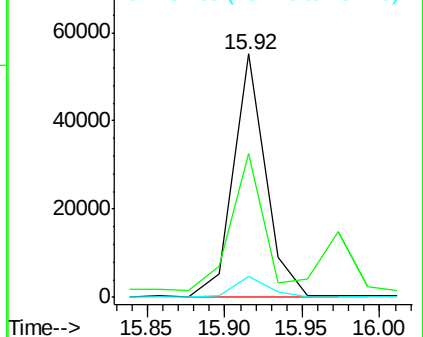
182 8.8 2.2 3.4#

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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: 3.13 ng/ul

RT: 16.22 min Scan# 686

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:232 Resp: 57775
Ion Ratio Lower Upper

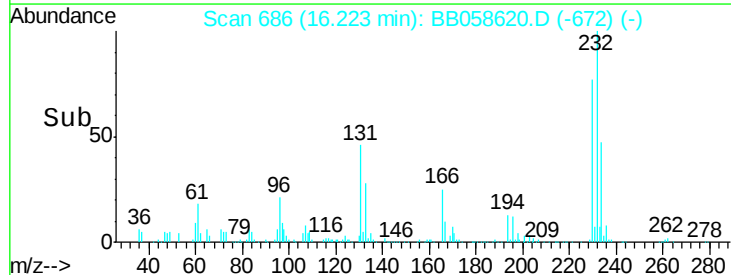
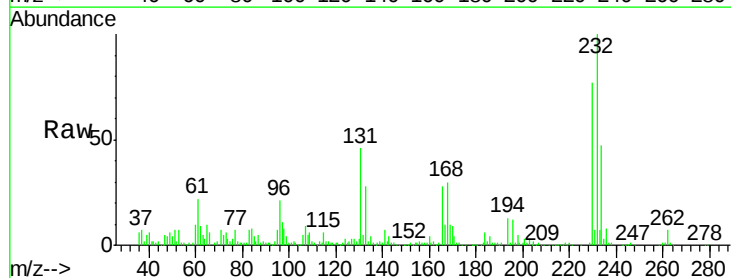
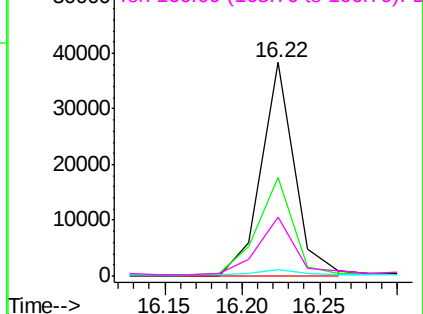
232 100

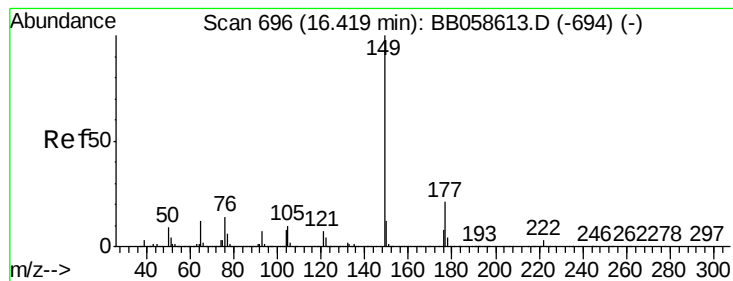
131 46.4 31.4 47.0

130 3.2 1.6 2.4#

166 27.6 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: 3.47 ng/ul

RT: 16.42 min Scan# 696

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

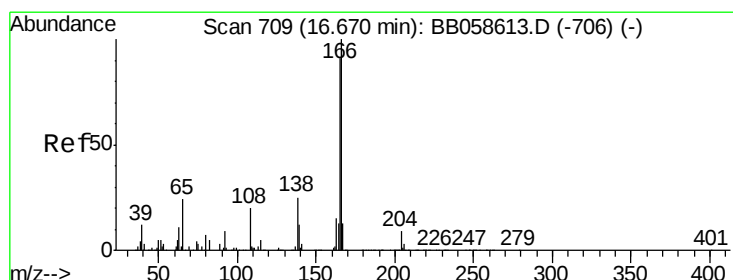
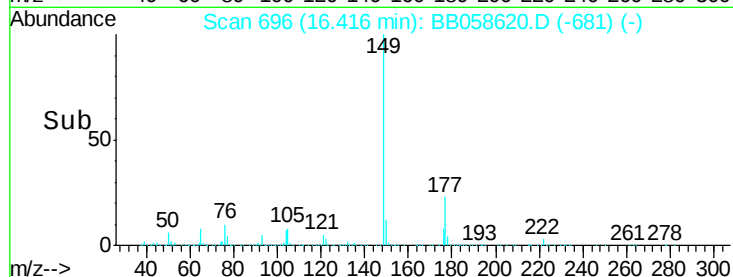
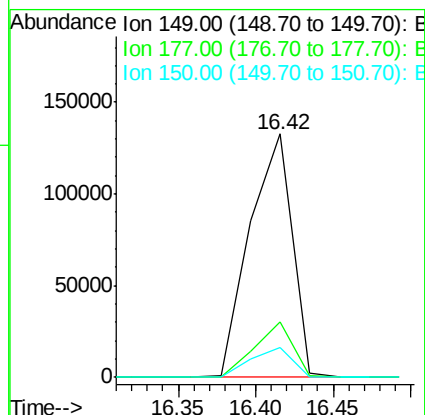
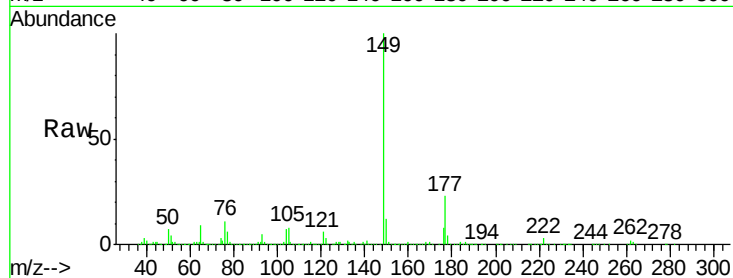
ClientSampleId :

MDL-06-W

Tgt Ion:	149	Resp:	254982
Ion Ratio	Lower	Upper	
149	100		
177	22.6	18.6	28.0
150	12.1	10.0	15.0

Manual Integrations
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#58

Fluorene

Concen: 3.35 ng/ul

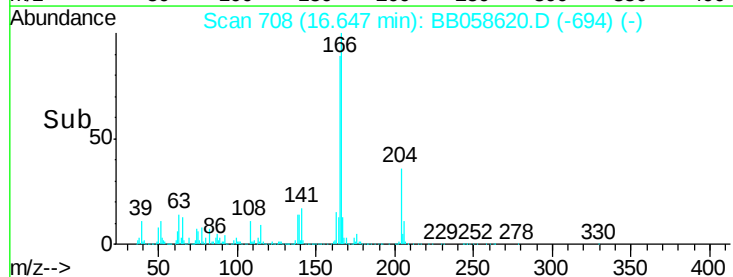
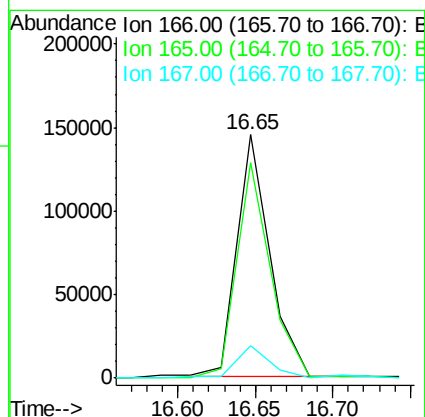
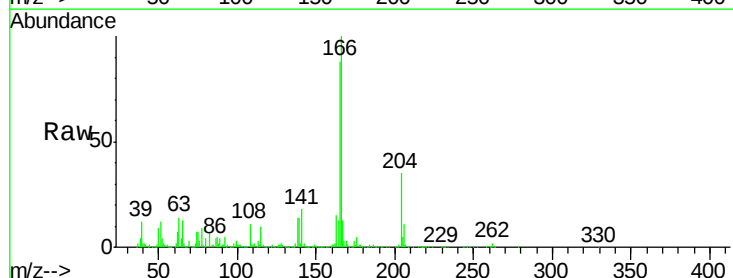
RT: 16.65 min Scan# 708

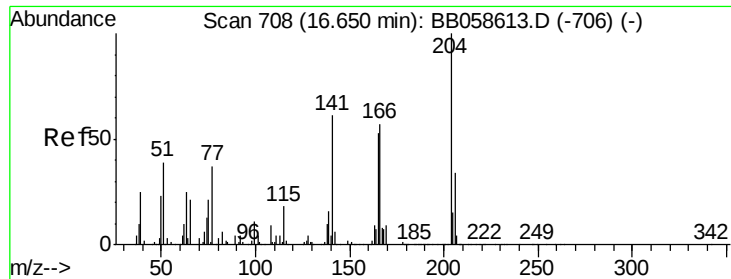
Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	166	Resp:	215727
Ion Ratio	Lower	Upper	
166	100		
165	88.4	79.9	119.9
167	13.3	10.5	15.7





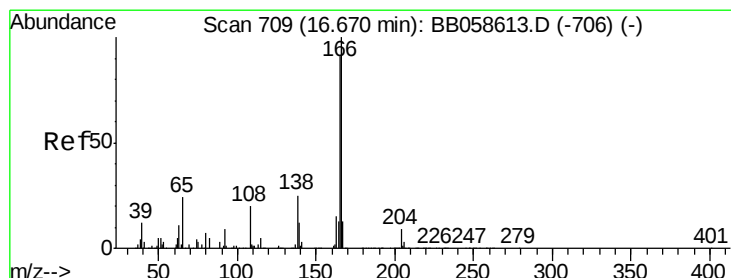
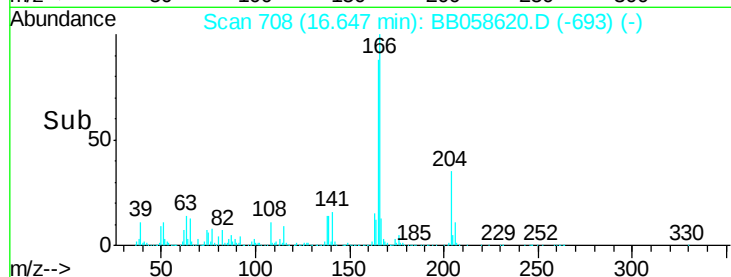
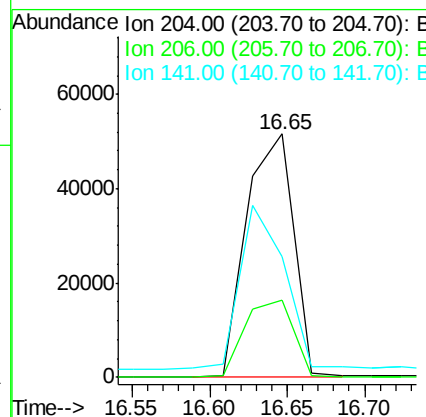
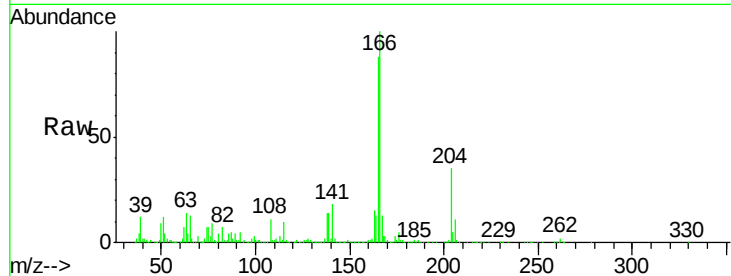
#59
4-Chlorophenyl-phenylether
Concen: 3.16 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
204	100		
206	31.5	25.9	38.9
141	49.7	46.1	69.1

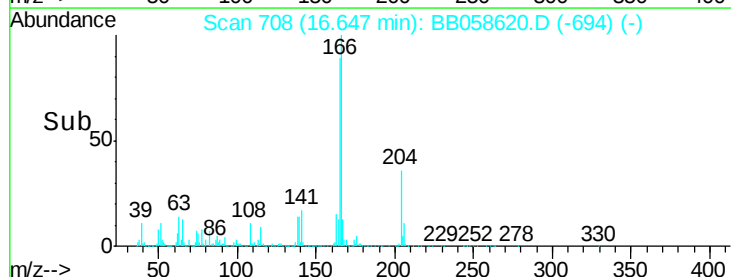
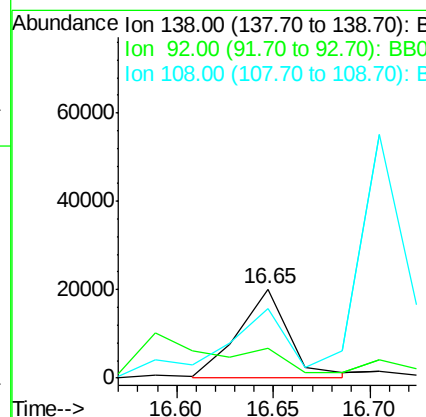
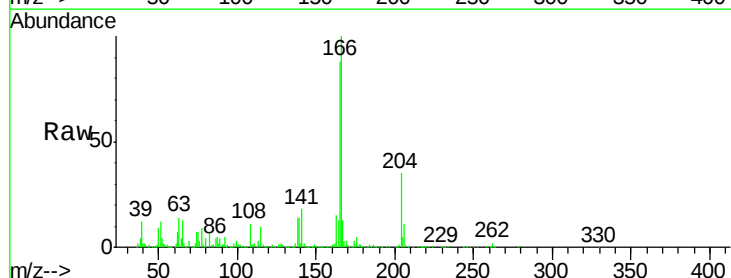
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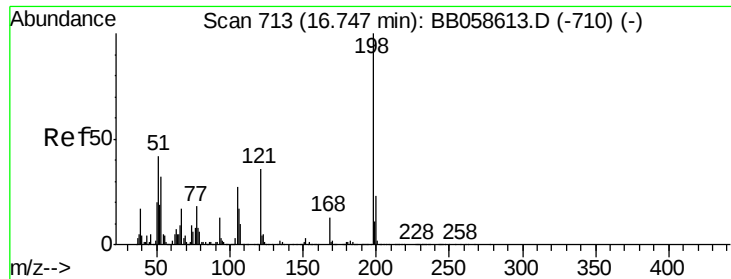
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#60
4-Nitroaniline
Concen: 1.95 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
138	100		
92	33.0	43.5	65.3#
108	78.0	80.3	120.5#





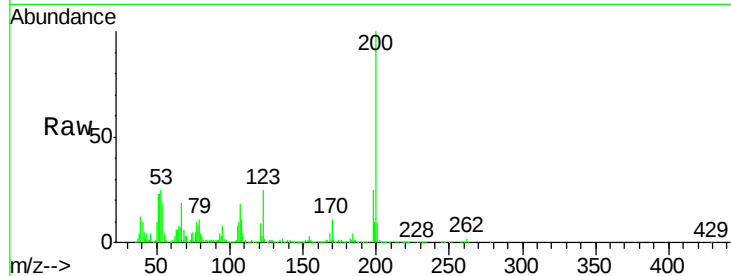
#63
4,6-Dinitro-2-methylphenol
Concen: 2.84 ng/ul
RT: 16.72 min Scan# 712
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

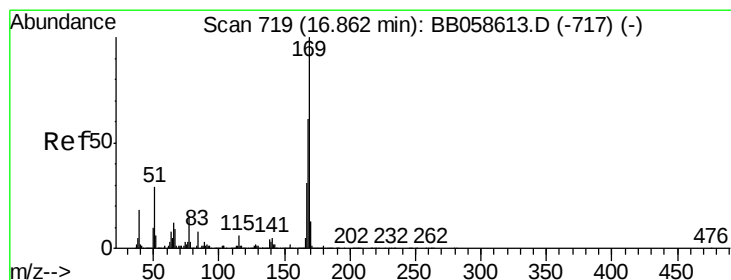
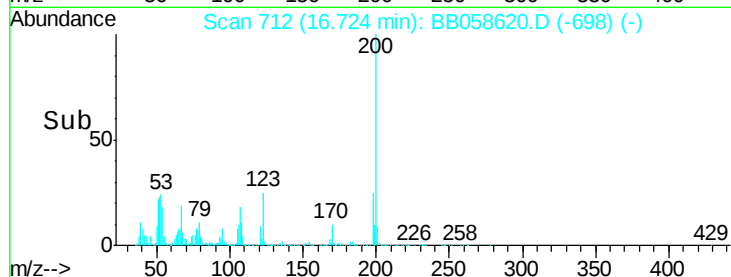
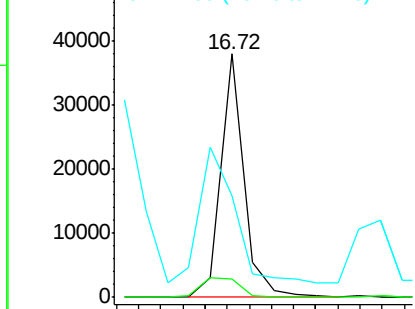
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	55033		
182	7.4	3.3	4.9#	
77	41.5	21.8	32.6#	

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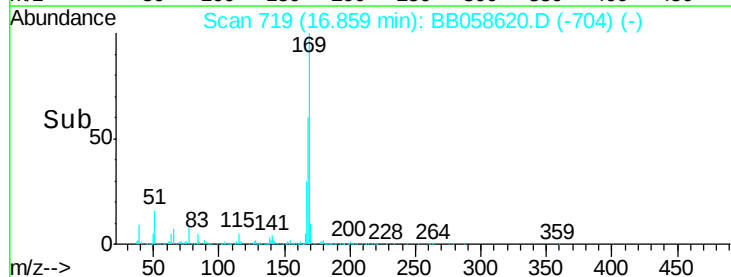
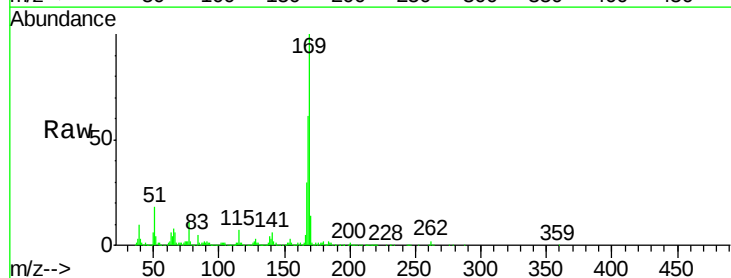
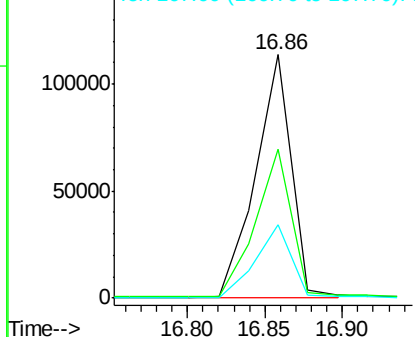
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BB0

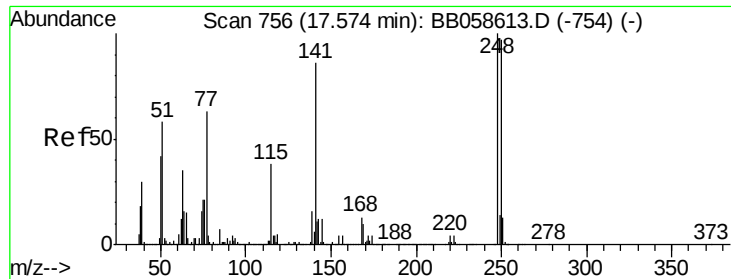


#64
N-Nitrosodiphenylamine
Concen: 3.08 ng/ul
RT: 16.86 min Scan# 719
Delta R.T. -0.00 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	182252		
168	61.1	52.6	79.0	
167	30.2	28.6	43.0	

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





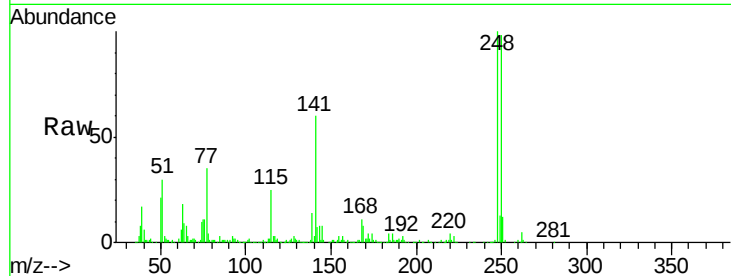
#65
 4-Bromophenyl-phenylether
 Concen: 2.97 ng/ul
 RT: 17.57 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BB058620.D
 Acq: 12 Oct 2016 14:53

Instrument :
 BNA_B
 ClientSampled :
 MDL-06-W

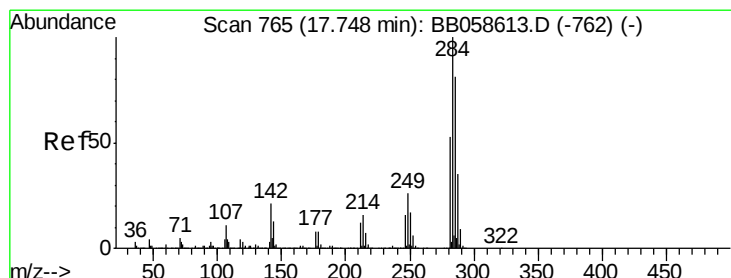
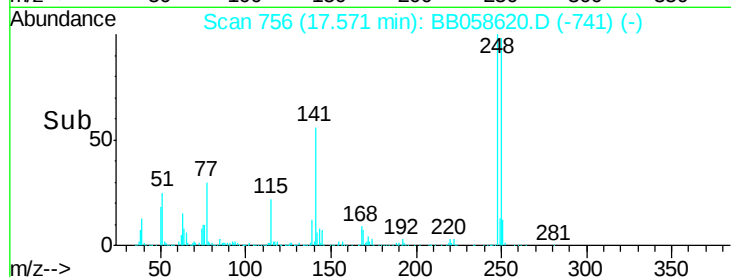
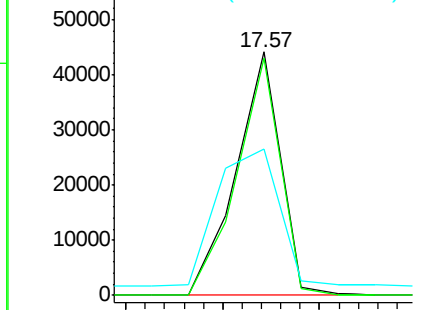
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.6	79.7	119.5
141	59.9	58.3	87.5

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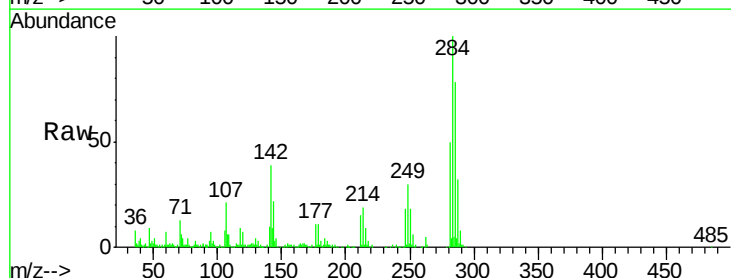


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

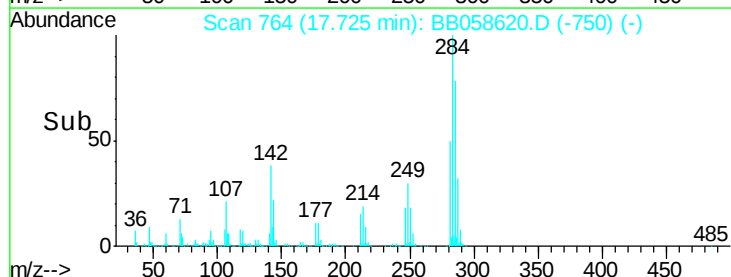
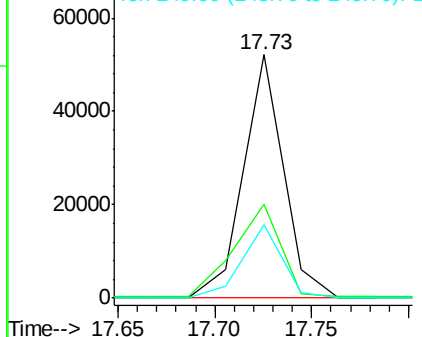


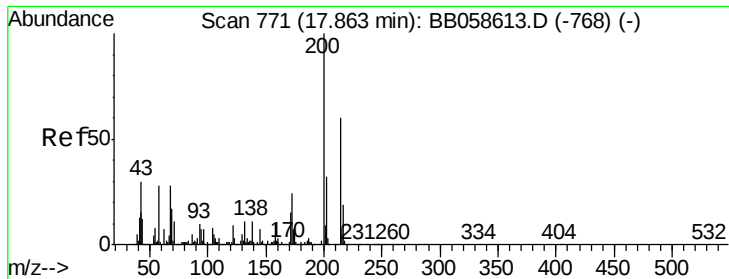
#66
 Hexachlorobenzene
 Concen: 3.16 ng/ul
 RT: 17.73 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BB058620.D
 Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.7	24.9	37.3
249	28.8	25.5	38.3



Abundance Ion 284.00 (283.70 to 284.70): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#67

Atrazine

Concen: 3.12 ng/ul

RT: 17.84 min Scan# 770

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

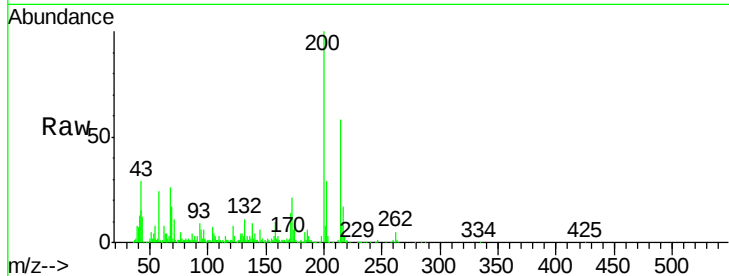
ClientSampled :

MDL-06-W

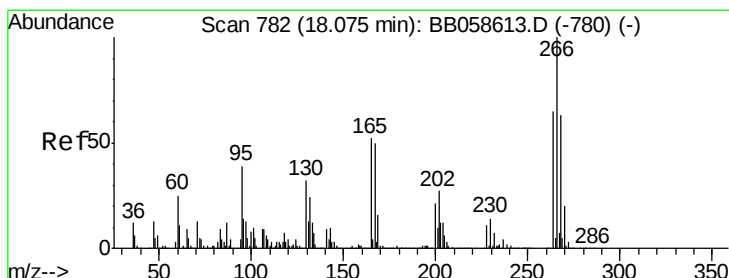
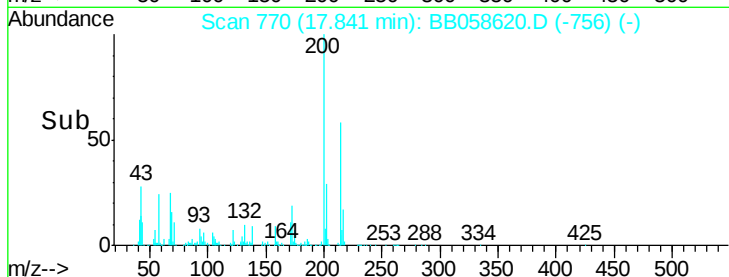
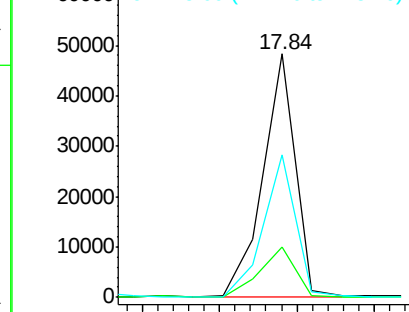
Tgt Ion:	200	Resp:	70123
Ion Ratio	Lower	Upper	
200	100		
173	20.5	18.9	28.3
215	58.4	39.5	59.3

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Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#68

Pentachlorophenol

Concen: 2.30 ng/ul

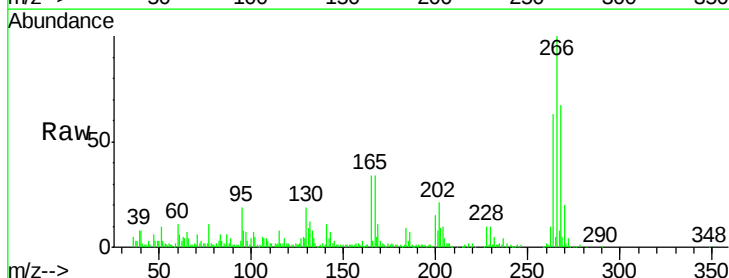
RT: 18.07 min Scan# 782

Delta R.T. -0.00 min

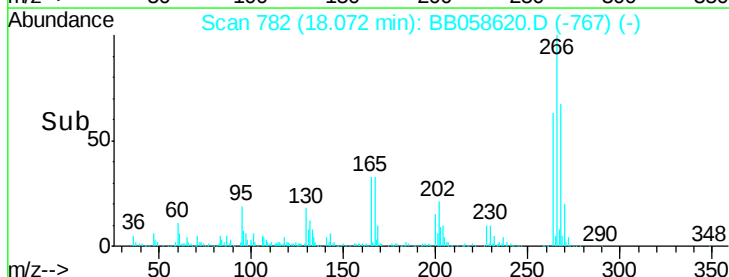
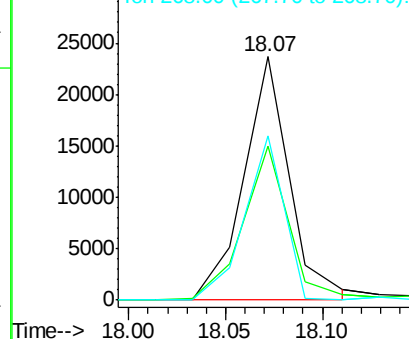
Lab File: BB058620.D

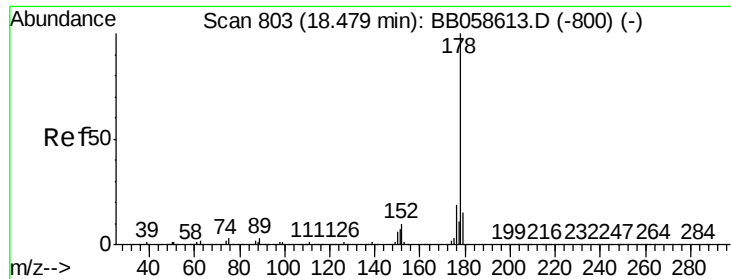
Acq: 12 Oct 2016 14:53

Tgt Ion:	266	Resp:	38338
Ion Ratio	Lower	Upper	
266	100		
264	63.3	50.6	75.8
268	67.4	51.0	76.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 3.44 ng/ul m

RT: 18.46 min Scan# 802

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

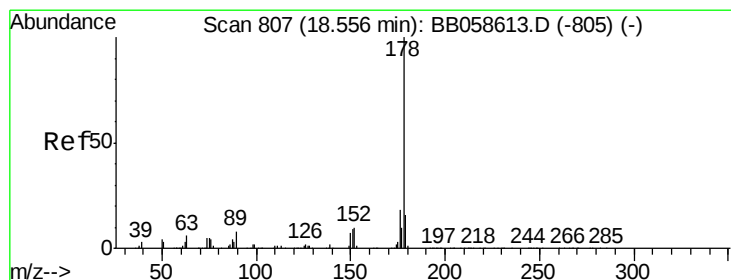
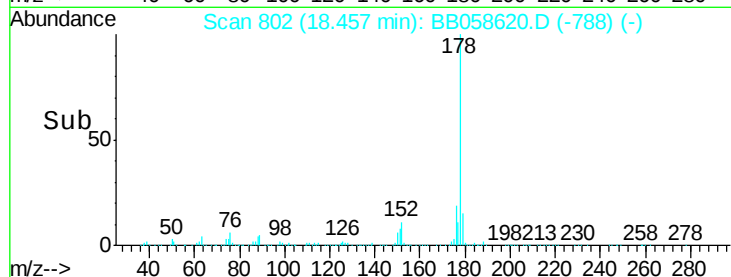
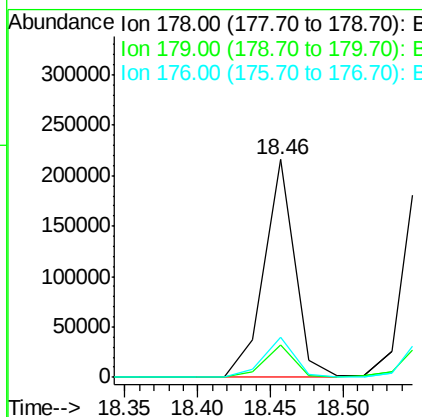
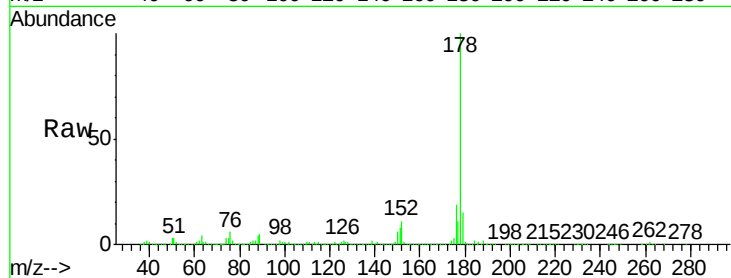
ClientSampleId :

MDL-06-W

Tgt Ion:	178	Resp:	313824
Ion Ratio	Lower	Upper	
178	100		
179	14.6	12.2	18.2
176	18.6	15.1	22.7

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#71

Anthracene

Concen: 3.47 ng/ul

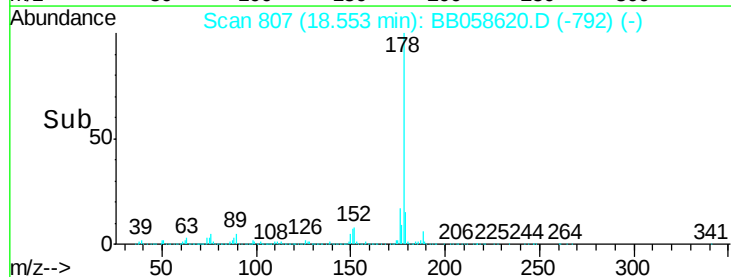
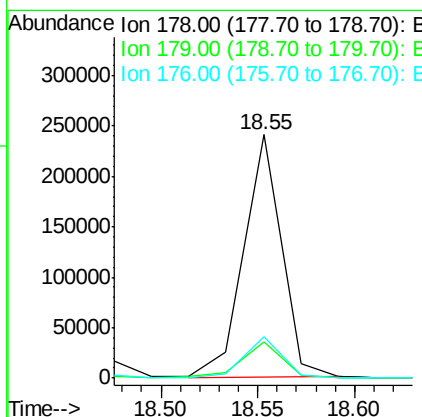
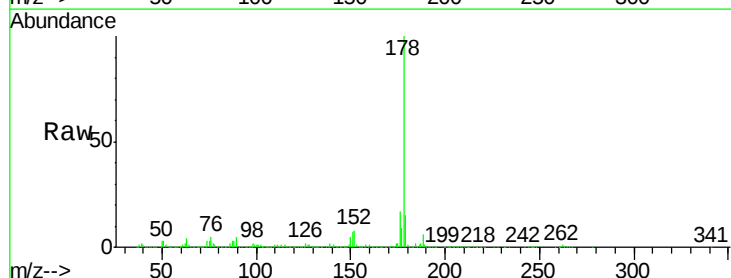
RT: 18.55 min Scan# 807

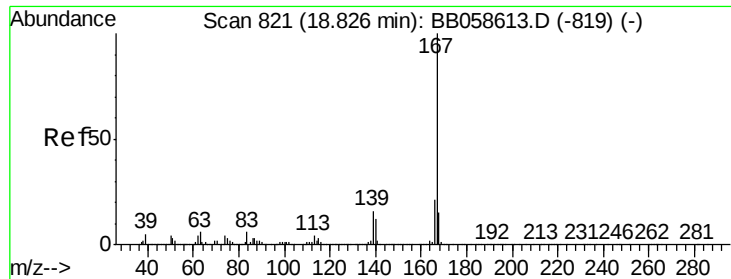
Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	178	Resp:	322709
Ion Ratio	Lower	Upper	
178	100		
179	14.7	12.1	18.1
176	17.1	14.5	21.7





#72

Carbazole

Concen: 3.34 ng/ul

RT: 18.82 min Scan# 821

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

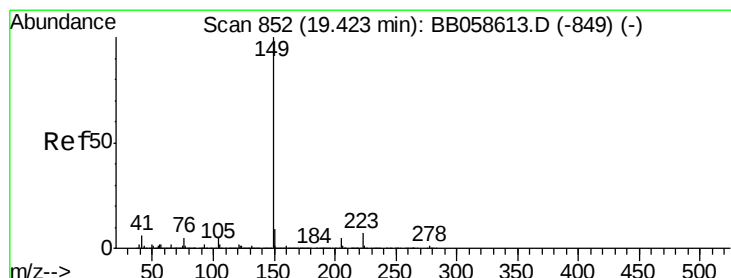
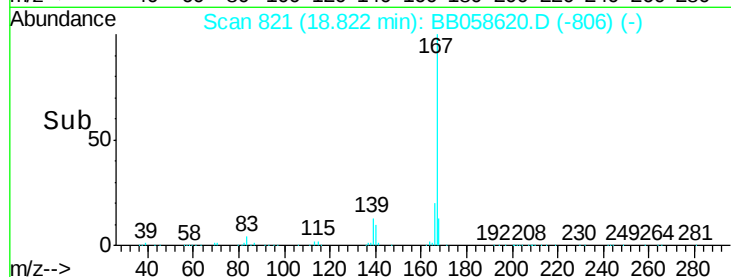
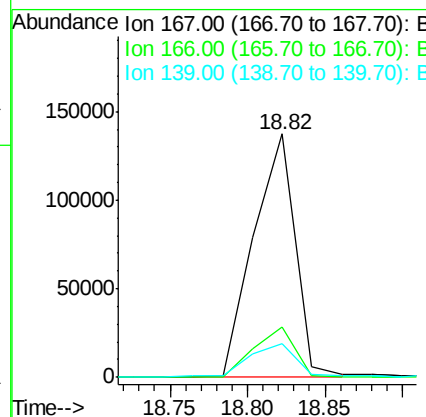
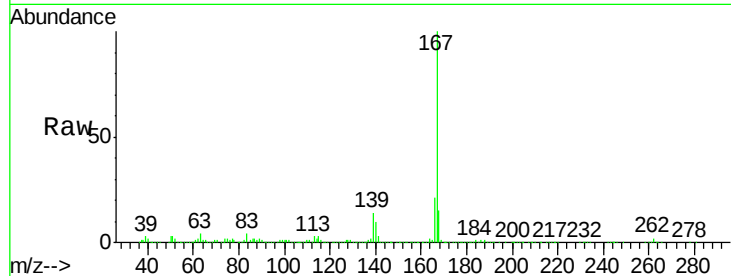
ClientSampleId :

MDL-06-W

Tgt Ion:	167	Resp:	259445
Ion Ratio		Lower	Upper
167	100		
166	20.6	16.6	25.0
139	13.8	10.2	15.4

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#73

Di-n-butylphthalate

Concen: 3.77 ng/ul

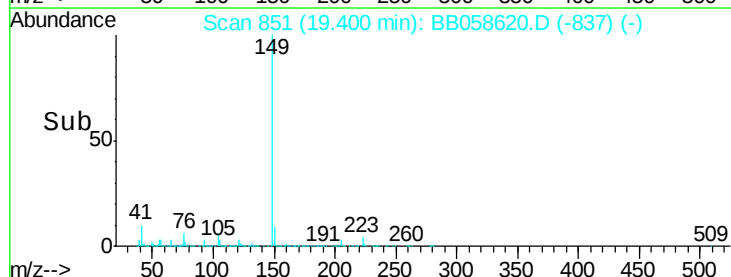
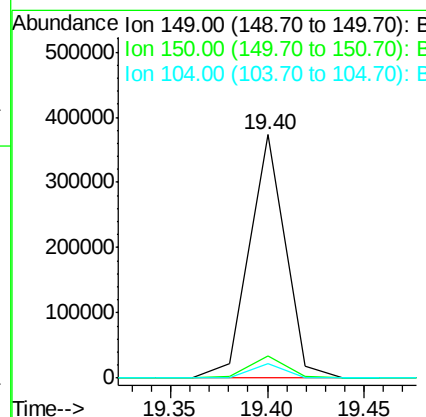
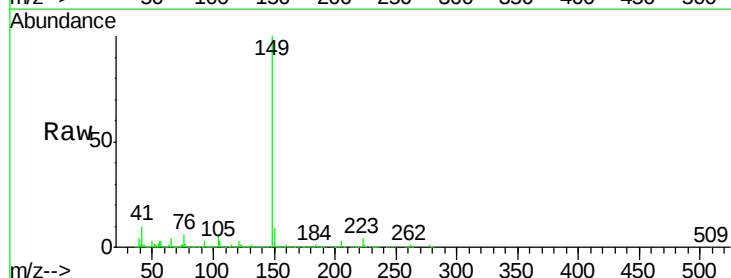
RT: 19.40 min Scan# 851

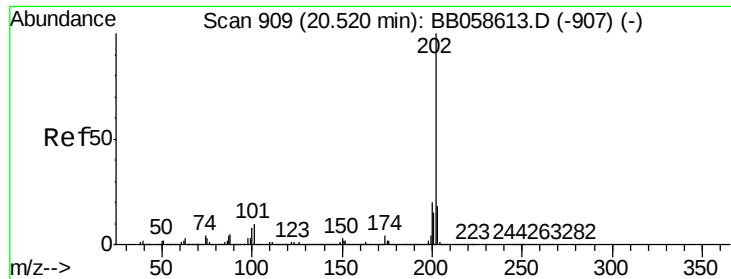
Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	149	Resp:	478646
Ion Ratio		Lower	Upper
149	100		
150	9.2	7.6	11.4
104	5.9	4.6	7.0





#74

Fluoranthene

Concen: 3.67 ng/ul

RT: 20.52 min Scan# 909

Delta R.T. -0.00 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

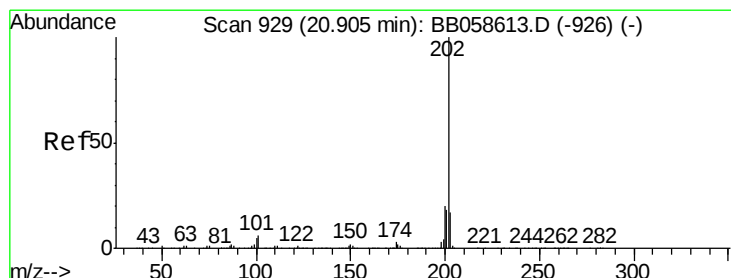
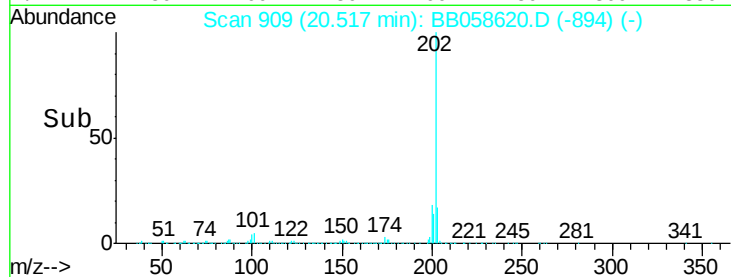
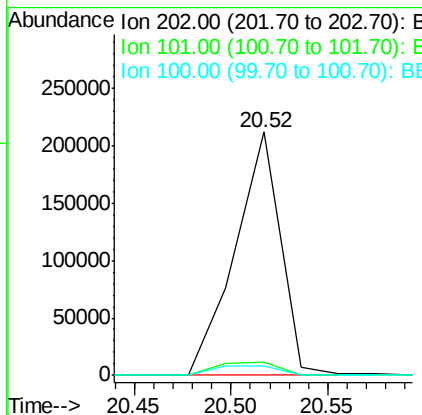
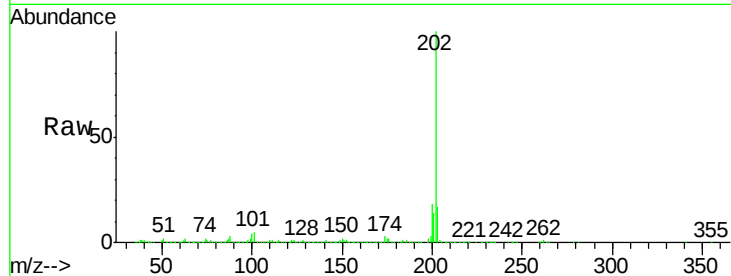
ClientSampleId :

MDL-06-W

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		340327		
101	5.4	6.9	10.3#		
100	3.9	5.4	8.0#		

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#77

Pyrene

Concen: 3.66 ng/ul

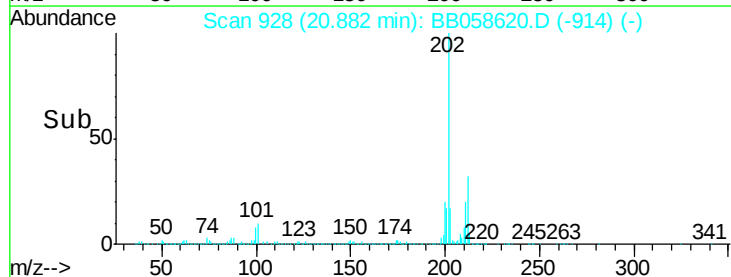
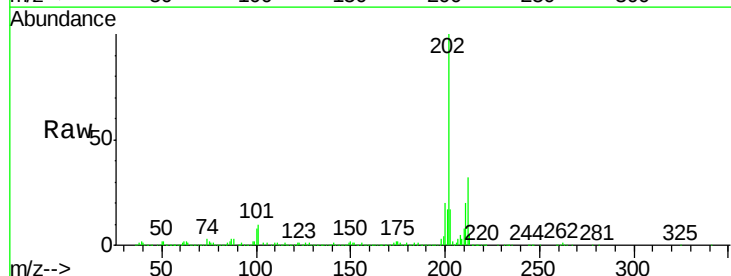
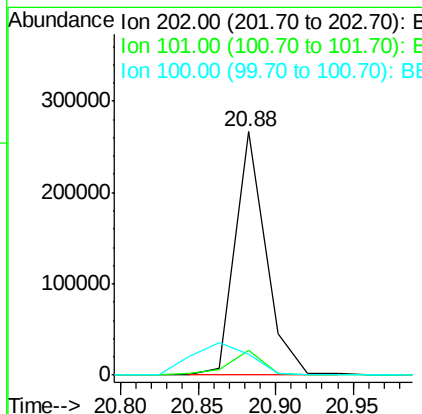
RT: 20.88 min Scan# 928

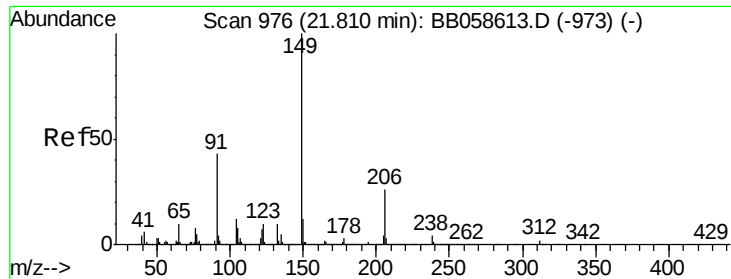
Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		367022		
101	9.9	8.4	12.6		
100	8.4	6.9	10.3		





#78

Butylbenzylphthalate

Concen: 3.26 ng/ul

RT: 21.79 min Scan# 975

Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

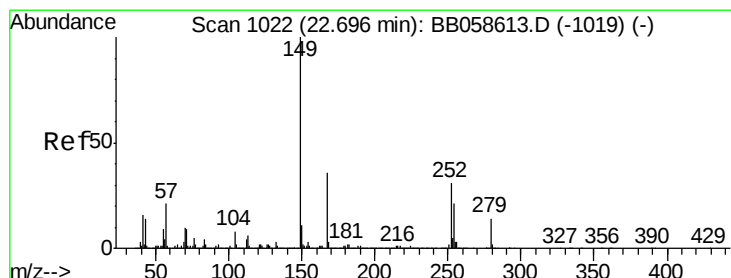
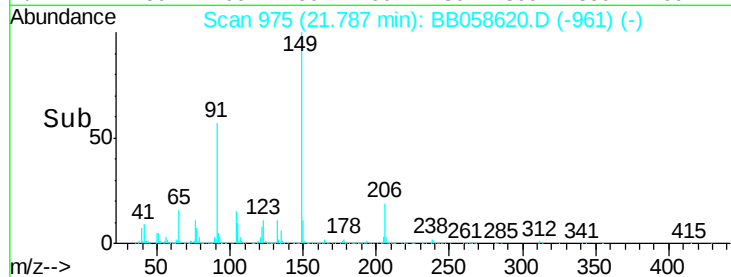
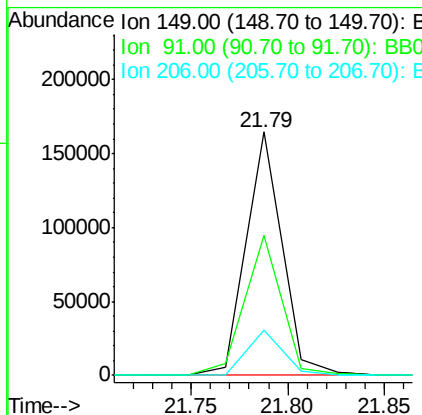
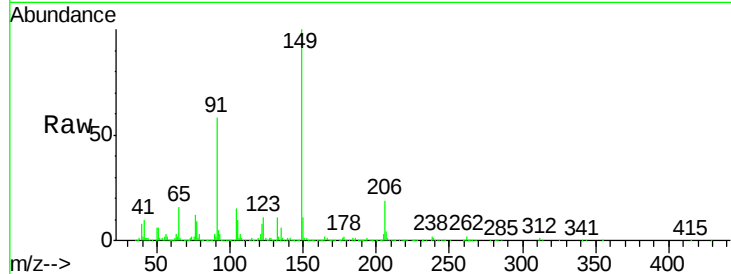
ClientSampleId :

MDL-06-W

Tgt Ion:	149	Resp:	211414
Ion Ratio	Lower	Upper	
149	100		
91	57.5	57.3	85.9
206	18.5	18.6	27.8#

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#79

3,3'-Dichlorobenzidine

Concen: 1.86 ng/ul

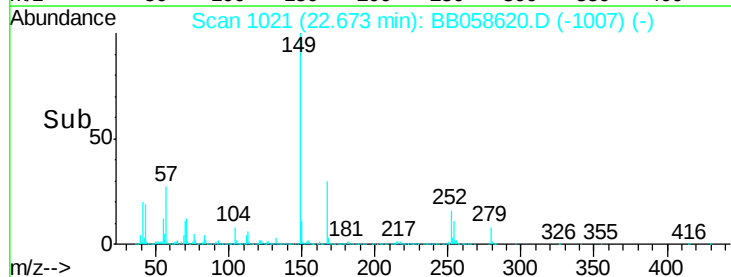
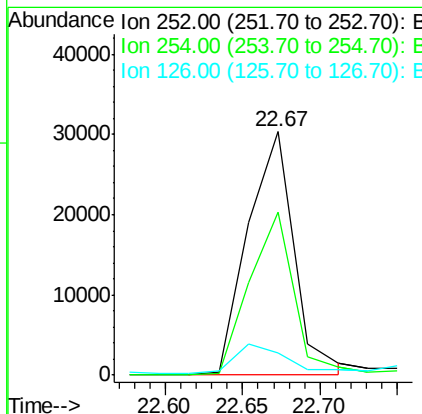
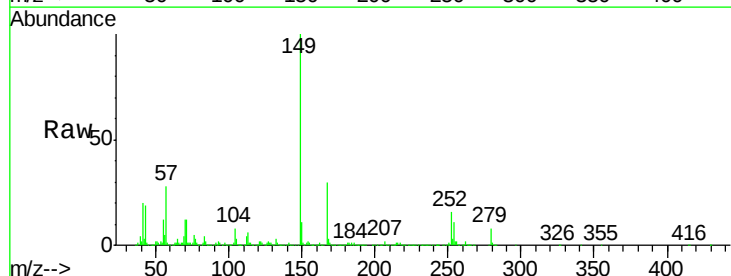
RT: 22.67 min Scan# 1021

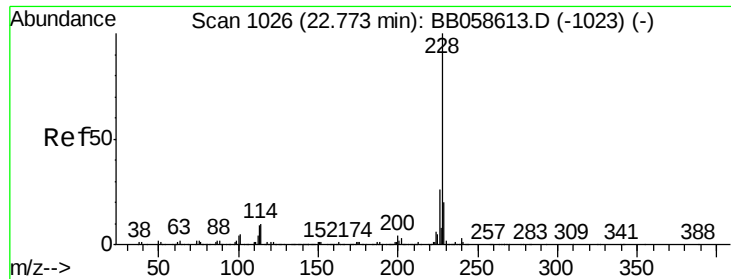
Delta R.T. -0.02 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion:	252	Resp:	63148
Ion Ratio	Lower	Upper	
252	100		
254	67.0	51.0	76.4
126	9.1	7.1	10.7





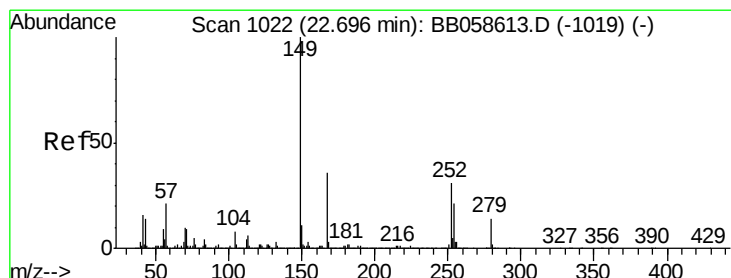
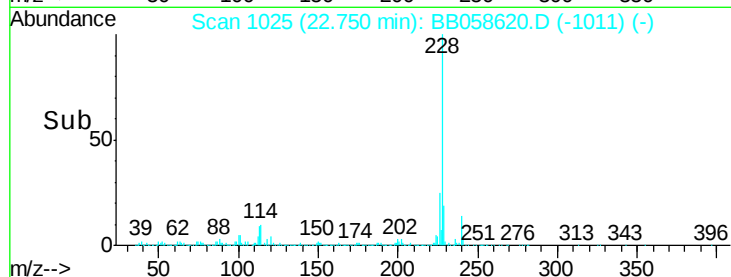
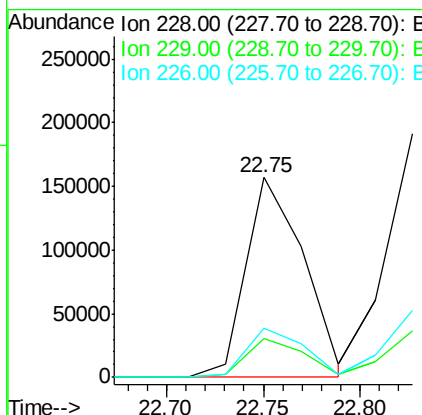
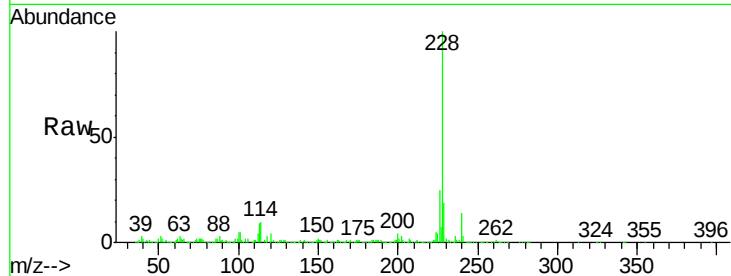
#80
Benzo(a)anthracene
Concen: 3.32 ng/ul
RT: 22.75 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	19.2	15.6	23.4
226	24.9	21.8	32.8

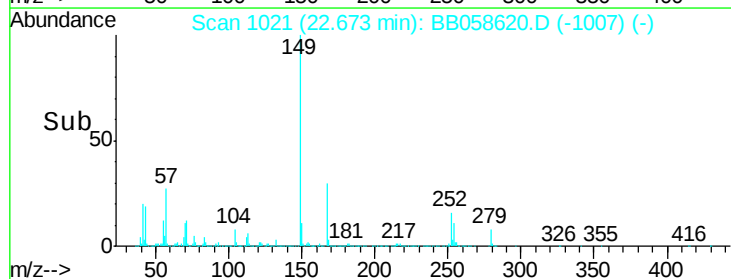
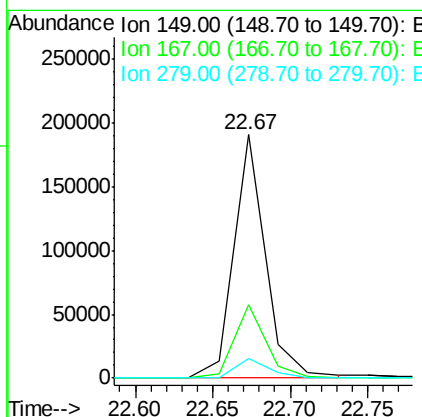
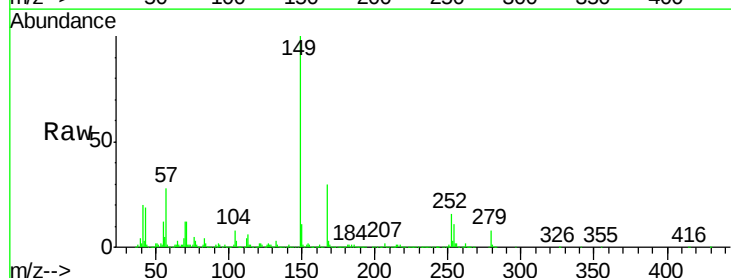
Manual Integrations
APPROVED

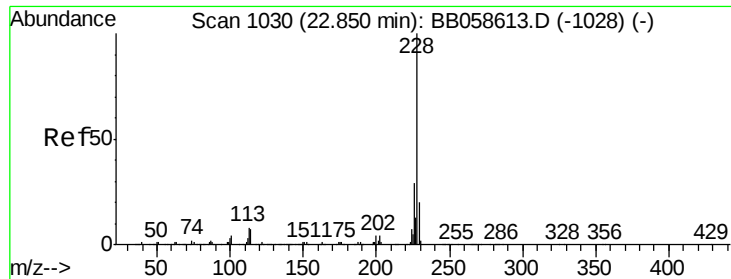
SOHIL
10/13/2016 11:12:39 AM



#81
Bis(2-ethylhexyl)phthalate
Concen: 3.17 ng/ul
RT: 22.67 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	30.3	23.2	34.8
279	8.2	4.1	6.1#





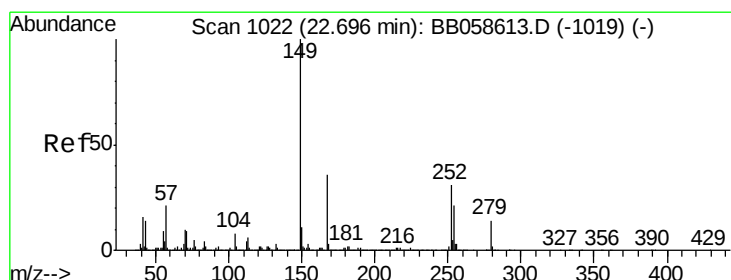
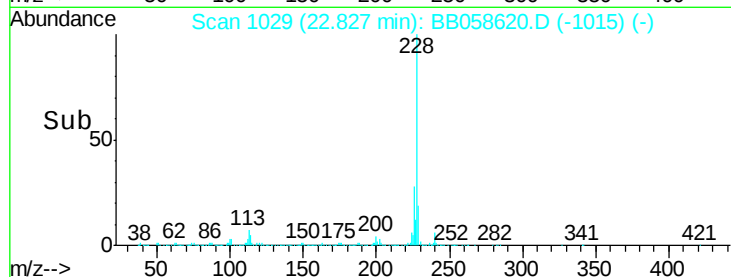
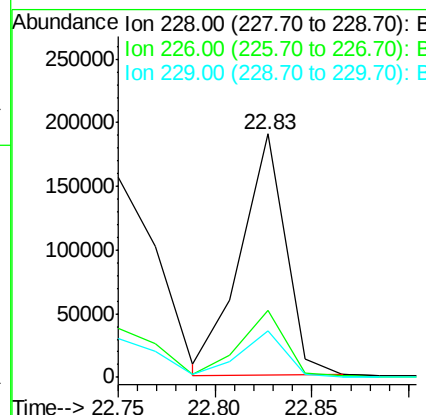
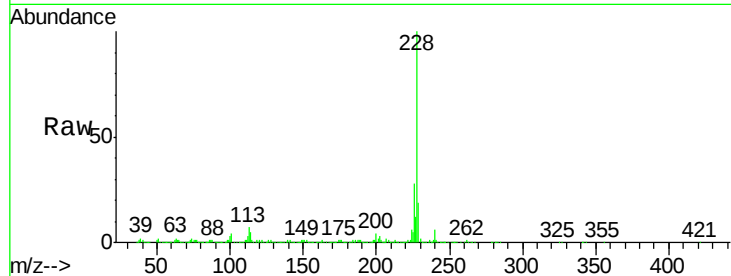
#82
Chrysene
Concen: 3.29 ng/ul
RT: 22.83 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	301216		
226	27.7	23.4	35.2	
229	19.1	15.5	23.3	

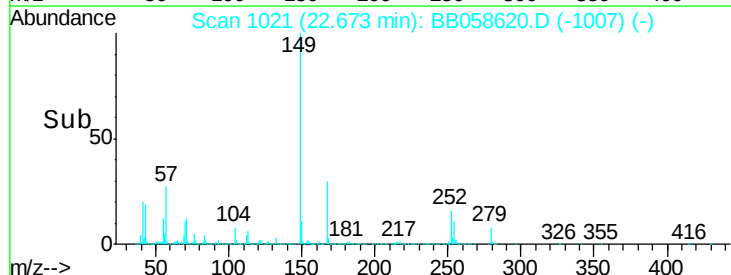
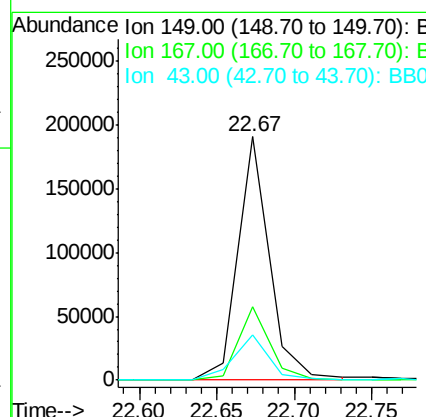
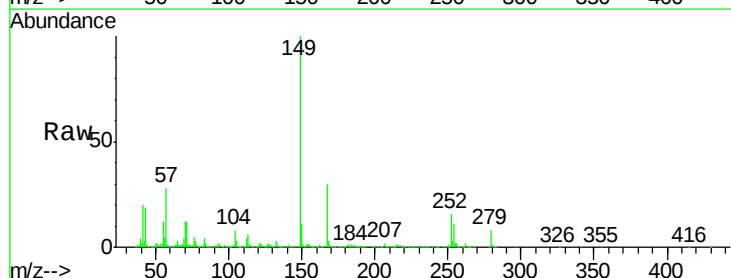
Manual Integrations
APPROVED

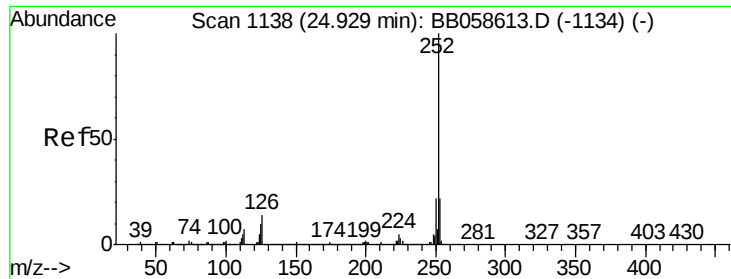
SOHIL
10/13/2016 11:12:39 AM



#84
Di-n-octyl phthalate
Concen: 3.54 ng/ul
RT: 22.67 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	273913		
167	30.3	1.3	1.9#	
43	18.6	6.6	10.0#	





#85

Benzo(b)fluoranthene

Concen: 2.97 ng/ul

RT: 24.89 min Scan# 1136

Delta R.T. -0.04 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Instrument :

BNA_B

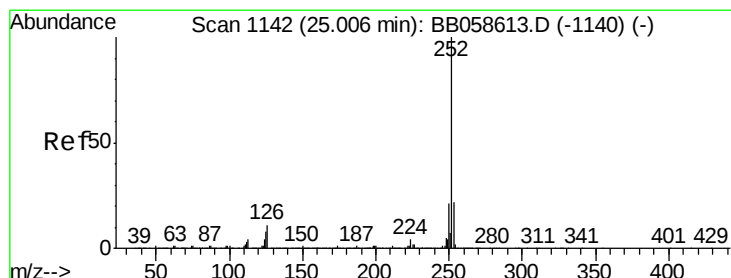
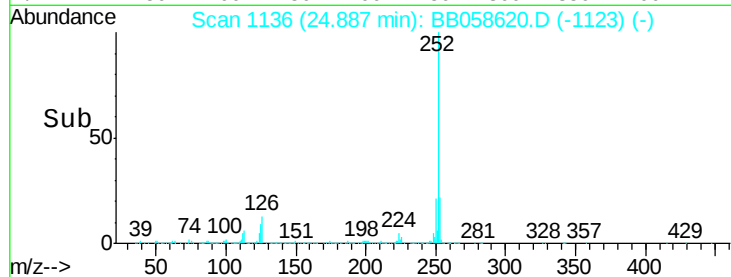
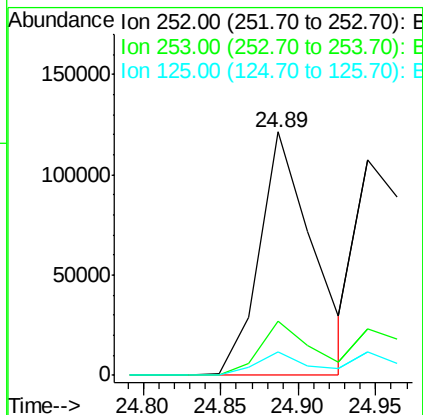
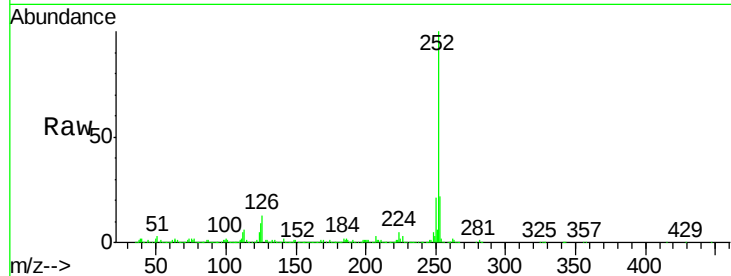
ClientSampleId :

MDL-06-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	9.5	5.8	8.8#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 3.40 ng/ul

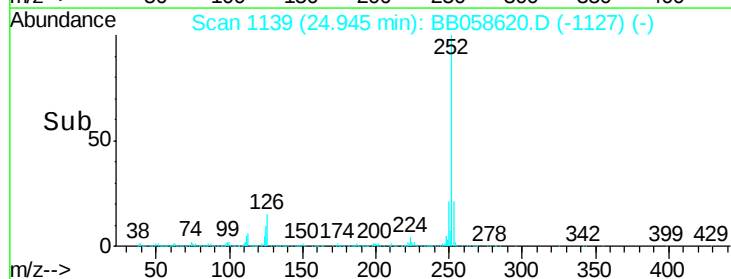
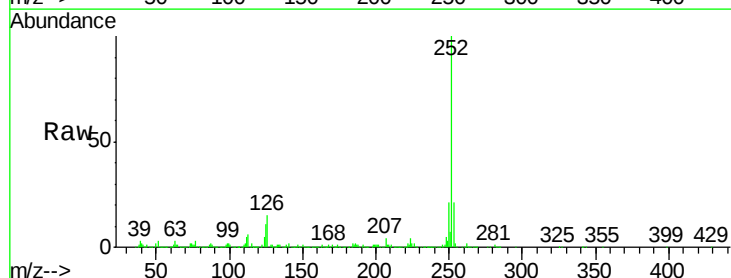
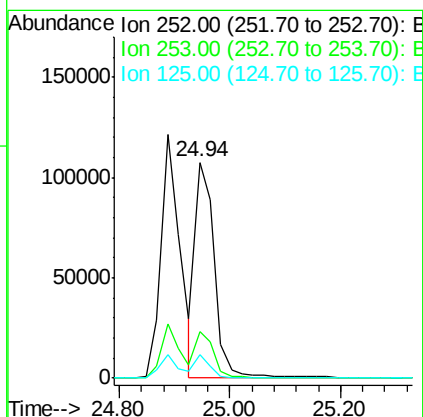
RT: 24.94 min Scan# 1139

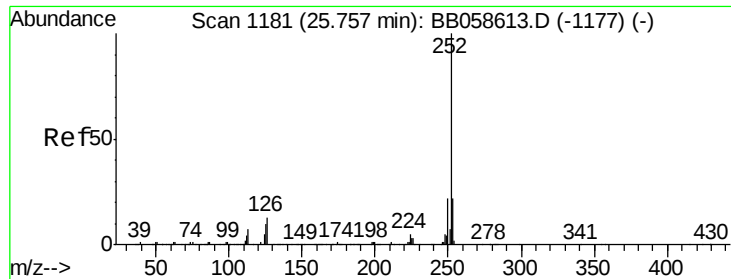
Delta R.T. -0.06 min

Lab File: BB058620.D

Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	10.6	5.7	8.5#





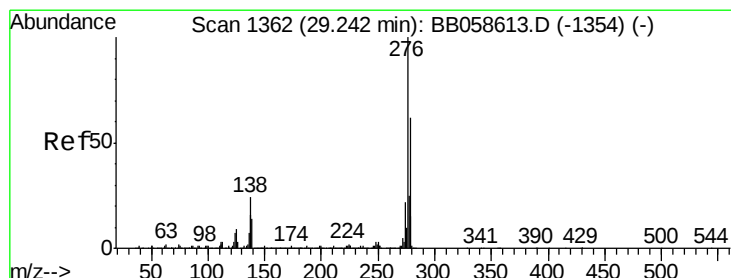
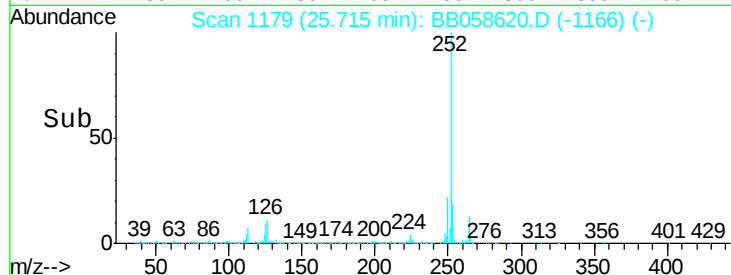
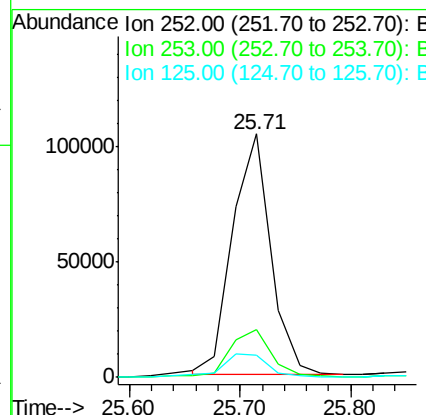
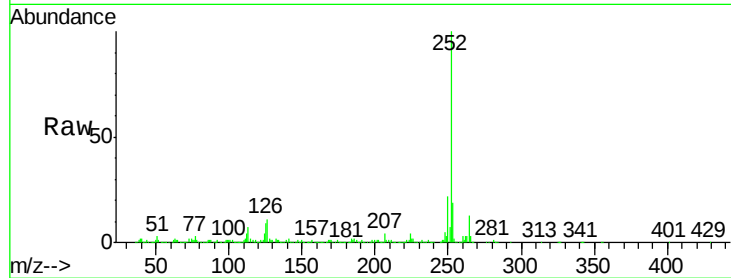
#88
Benzo(a)pyrene
Concen: 3.03 ng/ul
RT: 25.71 min Scan# 1179
Delta R.T. -0.04 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampled :
MDL-06-W

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	19.4	17.7	26.5
125	9.2	6.6	9.8

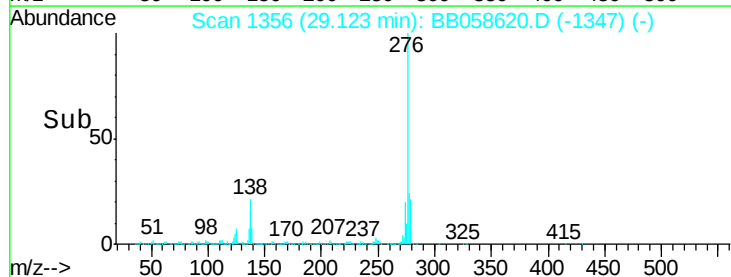
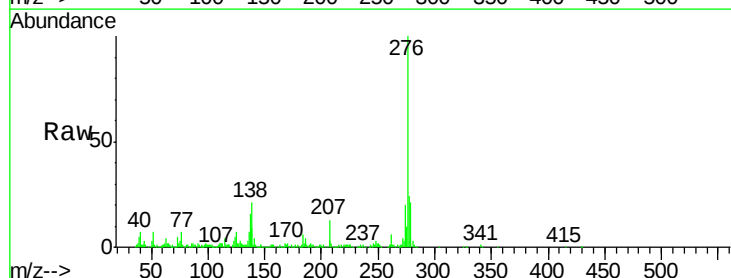
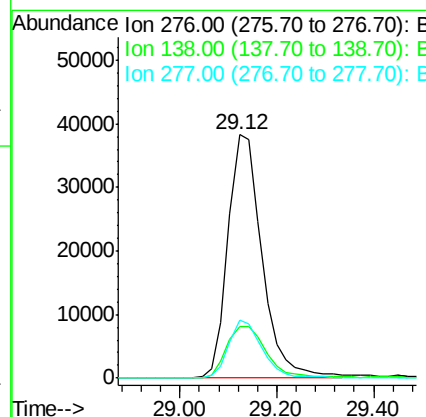
Manual Integrations
APPROVED

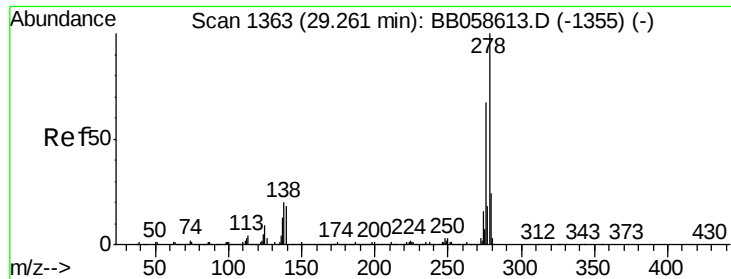
SOHIL
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.56 ng/ul
RT: 29.12 min Scan# 1356
Delta R.T. -0.12 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	20.9	13.9	20.9#
277	23.8	20.1	30.1





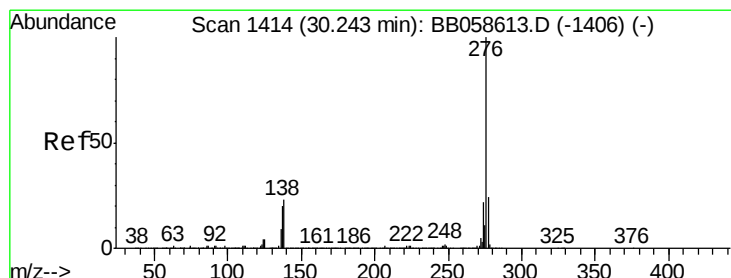
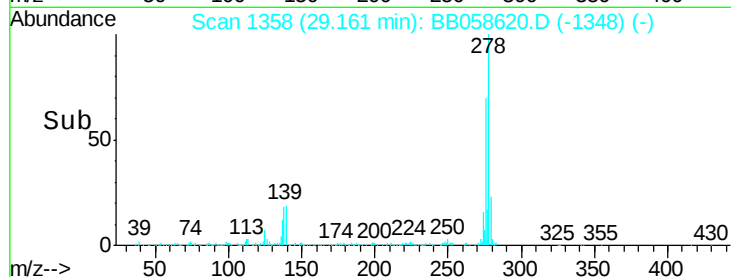
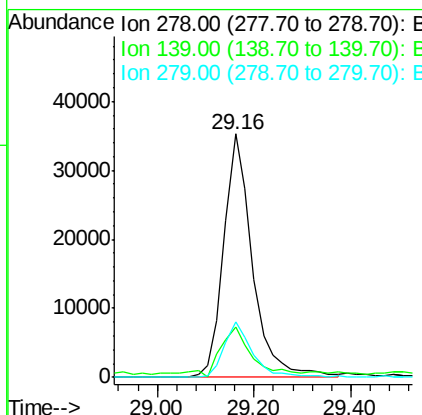
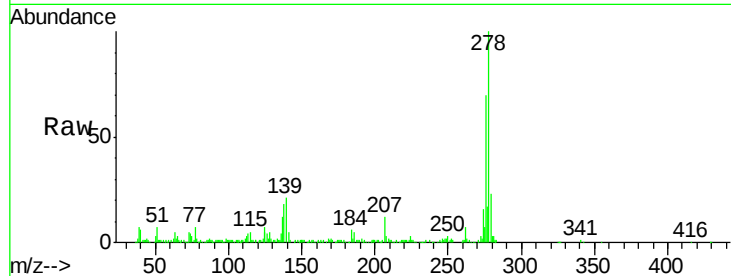
#90
Dibenzo(a,h)anthracene
Concen: 2.40 ng/ul
RT: 29.16 min Scan# 1358
Delta R.T. -0.10 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Instrument :
BNA_B
ClientSampled :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	9.5	14.3#
279	22.6	19.1	28.7

Manual Integrations
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10/13/2016 11:12:39 AM



#91
Benzo(g,h,i)perylene
Concen: 2.73 ng/ul
RT: 30.12 min Scan# 1408
Delta R.T. -0.12 min
Lab File: BB058620.D
Acq: 12 Oct 2016 14:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	13.5	20.3#
277	23.2	19.3	28.9

