

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101216\
 Data File : BB058619.D
 Acq On : 12 Oct 2016 14:13
 Operator : UM/SJ
 Sample : MDL-05-W
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleID :
 MDL-05-W

Manual Integrations
 APPROVED

SOHIL
 10/13/2016 11:12:37 AM

Quant Time: Oct 12 14:51:05 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	533540	20.00	ng/ul	0.00
18) Naphthalene-d8	11.62	136	1983312	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	1238558	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.42	188	2028424m	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	2091729	20.00	ng/ul	-0.02
83) Perylene-d12	25.87	264	1688677	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	76532	6.50	ng/uL	0.02
5) Phenol-d5	7.79	99	1145842	29.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.95	67	777436	29.94	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1305203	32.46	ng/ul	0.00
13) 4-Methylphenol-d8	9.43	113	971219	30.27	ng/ul	-0.02
19) Nitrobenzene-d5	9.89	128	663858	32.37	ng/ul	0.02
22) 2-Nitrophenol-d4	10.64	143	761793	34.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.22	165	1013239	32.40	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.74	131	1323831	35.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.95	166	2870273	34.85	ng/ul	0.00
46) Acenaphthylene-d8	15.24	160	3142422	32.35	ng/ul	-0.02
51) 4-Nitrophenol-d4	15.76	143	513741	27.16	ng/ul	-0.02
57) Fluorene-d10	16.59	176	2185746	32.40	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	16.71	200	554171	25.73	ng/ul	-0.02
70) Anthracene-d10	18.52	188	2889562	31.85	ng/ul	-0.02
76) Pyrene-d10	20.87	212	3374465	36.72	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.66	264	2524129	32.73	ng/ul	-0.04

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.69	88	11302	0.97	ng/uL#	72
4) Benzaldehyde	7.74	77	57822	2.32	ng/ul	94
6) Phenol	7.83	94	110943	2.89	ng/ul#	69
8) Bis(2-Chloroethyl)ether	8.04	93	97540	3.08	ng/ul#	85
10) 2-Chlorophenol	8.22	128	118048	3.08	ng/ul	96
11) 2-Methylphenol	9.14	108	90130	2.92	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	9.24	45	159912	2.87	ng/ul#	90
14) Acetophenone	9.53	105	134052	2.86	ng/ul#	77
15) N-Nitroso-di-n-propylamine	9.53	70	76704	2.76	ng/ul#	46
16) 4-Methylphenol	9.51	108	92734	2.78	ng/ul	93
17) Hexachloroethane	9.83	117	54244	2.93	ng/ul#	81
20) Nitrobenzene	9.93	77	116289	3.02	ng/ul#	82
21) Isophorone	10.49	82	221967	2.99	ng/ul#	91
23) 2-Nitrophenol	10.68	139	73027	3.17	ng/ul	94
24) 2,4-Dimethylphenol	10.76	107	117516	3.12	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.99	93	107754	3.01	ng/ul#	92
27) 2,4-Dichlorophenol	11.26	162	100869	3.22	ng/ul#	91
28) Naphthalene	11.66	128	302662	3.20	ng/ul	100
30) 4-Chloroaniline	11.76	127	120566	3.38	ng/ul	95
31) Hexachlorobutadiene	12.01	225	69637	3.25	ng/ul	93
32) Caprolactam	12.59	113	28530	2.51	ng/ul	96
33) 4-Chloro-3-methylphenol	12.93	107	94908	3.04	ng/ul	94
34) 2-Methylnaphthalene	13.32	142	209105	3.21	ng/ul	100

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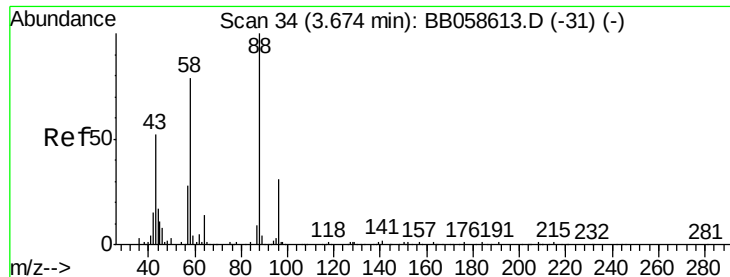
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.72	216	118012	3.10	ng/ul#	95
37) Hexachlorocyclopentadiene	13.72	237	46434	1.94	ng/ul	93
38) 2,4,6-Trichlorophenol	13.95	196	69462	3.01	ng/ul	97
39) 2,4,5-Trichlorophenol	14.03	196	69472	2.83	ng/ul	96
40) 1,1'-Biphenyl	14.36	154	261447	3.15	ng/ul#	96
41) 2-Chloronaphthalene	14.40	162	200696	3.03	ng/ul	97
42) 2-Nitroaniline	14.59	65	69511	2.73	ng/ul#	90
44) Dimethylphthalate	14.99	163	258657	3.14	ng/ul#	97
45) 2,6-Dinitrotoluene	15.11	165	60313	2.90	ng/ul#	83
47) Acenaphthylene	15.28	152	301693	3.20	ng/ul	99
48) 3-Nitroaniline	14.59	138	71630	2.63	ng/ul#	41
49) Acenaphthene	15.63	153	194976	3.02	ng/ul	93
50) 2,4-Dinitrophenol	15.65	184	23080	1.56	ng/ul#	1
52) 4-Nitrophenol	15.78	109	39643	2.58	ng/ul#	84
53) Dibenzofuran	15.98	168	297277	3.23	ng/ul	96
54) 2,4-Dinitrotoluene	15.92	165	85389	2.94	ng/ul#	90
55) 2,3,4,6-Tetrachlorophenol	16.23	232	61949	2.89	ng/ul#	96
56) Diethylphthalate	16.42	149	272215	3.18	ng/ul	99
58) Fluorene	16.65	166	230135	3.07	ng/ul	92
59) 4-Chlorophenyl-phenylether	16.63	204	116971	2.90	ng/ul#	80
60) 4-Nitroaniline	16.65	138	39952	1.86	ng/ul#	70
63) 4,6-Dinitro-2-methylphenol	16.73	198	58130	2.70	ng/ul#	86
64) N-Nitrosodiphenylamine	16.86	169	192817	2.95	ng/ul	93
65) 4-Bromophenyl-phenylether	17.57	248	75009m	2.89	ng/ul	
66) Hexachlorobenzene	17.73	284	79182	3.04	ng/ul	92
67) Atrazine	17.84	200	70794m	2.84	ng/ul	
68) Pentachlorophenol	18.07	266	40166	2.18	ng/ul	95
69) Phenanthrene	18.46	178	332553m	3.29	ng/ul	
71) Anthracene	18.56	178	337548	3.27	ng/ul	100
72) Carbazole	18.81	167	270496	3.14	ng/ul#	96
73) Di-n-butylphthalate	19.40	149	482481	3.43	ng/ul	98
74) Fluoranthene	20.50	202	343537	3.34	ng/ul#	90
77) Pyrene	20.88	202	409217	3.74	ng/ul#	93
78) Butylbenzylphthalate	21.79	149	199695	2.82	ng/ul#	81
79) 3,3'-Dichlorobenzidine	22.66	252	69236	1.87	ng/ul#	95
80) Benzo(a)anthracene	22.75	228	357482	3.36	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	22.68	149	280904	2.98	ng/ul#	93
82) Chrysene	22.83	228	320910	3.21	ng/ul	98
84) Di-n-octyl phthalate	22.68	149	280904	3.20	ng/ul#	65
85) Benzo(b)fluoranthene	24.89	252	310331	2.78	ng/ul#	98
86) Benzo(k)fluoranthene	24.95	252	276576	3.20	ng/ul#	96
88) Benzo(a)pyrene	25.72	252	272805	2.91	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.14	276	202397	2.47	ng/ul	95
90) Dibenzo(a,h)anthracene	29.16	278	161906	2.38	ng/ul#	90
91) Benzo(g,h,i)perylene	30.13	276	166792	2.58	ng/ul#	91

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



#2

1,4-Dioxane

Concen: 0.97 ng/uL

RT: 3.69 min Scan# 35

Delta R.T. 0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

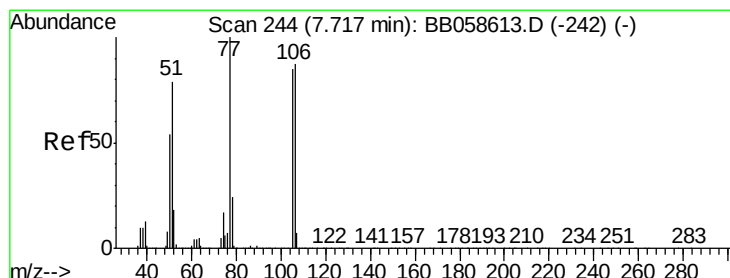
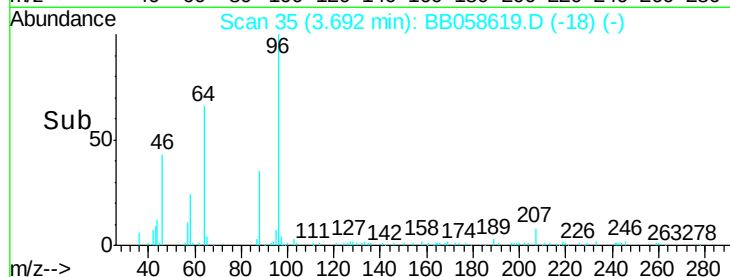
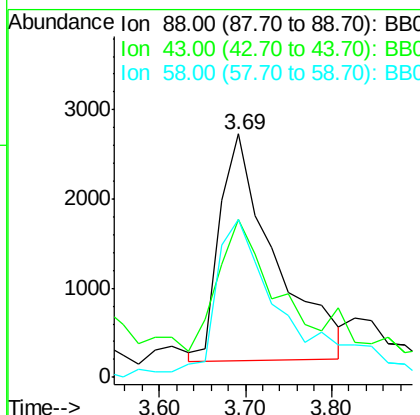
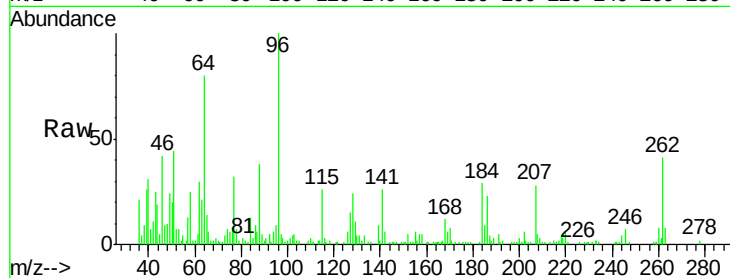
ClientSampled :

MDL-05-W

Tgt Ion:	88	Resp:	11302
Ion Ratio	Lower	Upper	
88	100		
43	57.7	22.6	34.0#
58	57.1	57.3	85.9#

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#4

Benzaldehyde

Concen: 2.32 ng/uL

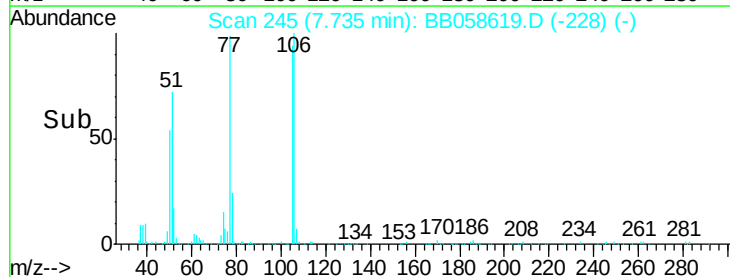
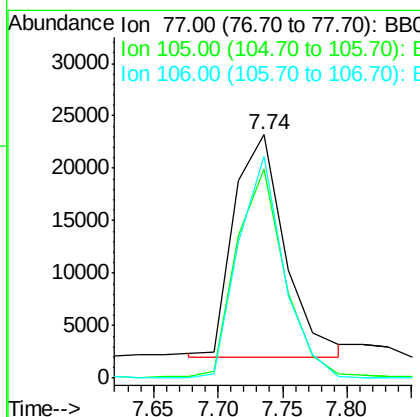
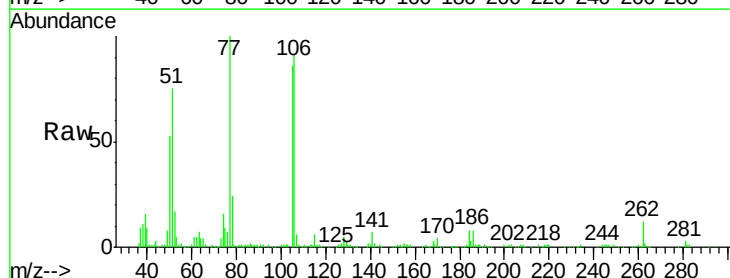
RT: 7.74 min Scan# 245

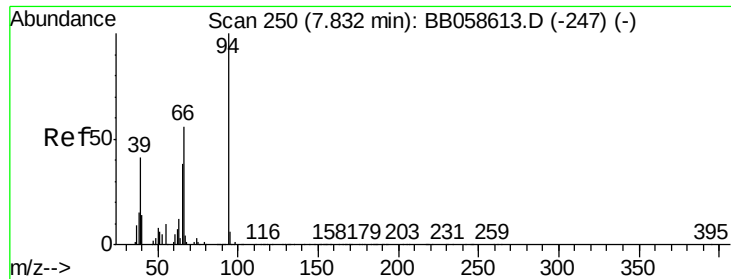
Delta R.T. 0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion:	77	Resp:	57822
Ion Ratio	Lower	Upper	
77	100		
105	85.7	76.9	115.3
106	91.0	71.8	107.8





#6

Phenol

Concen: 2.89 ng/ul

RT: 7.83 min Scan# 250

Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

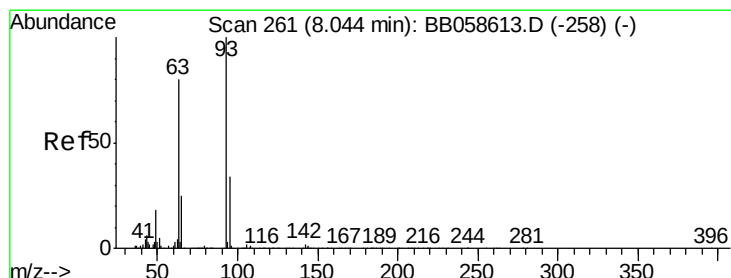
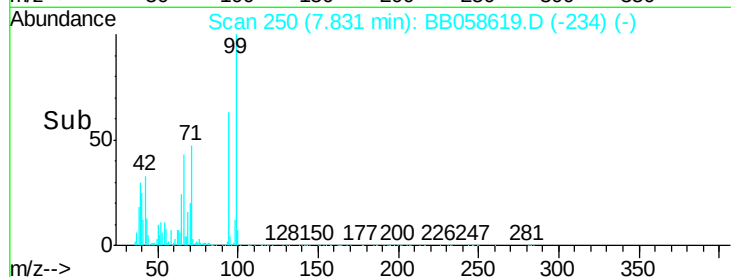
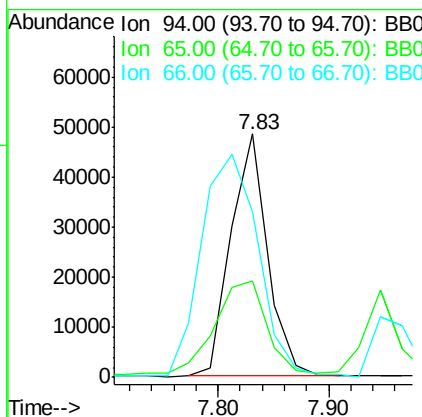
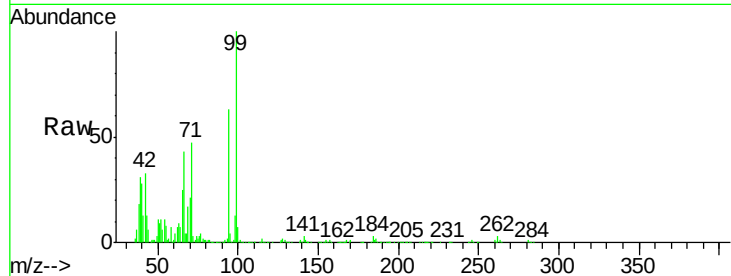
ClientSampleId :

MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	110943		
65	39.6	23.9	35.9#	
66	67.8	33.5	50.3#	

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#8

Bis(2-Chloroethyl)ether

Concen: 3.08 ng/ul

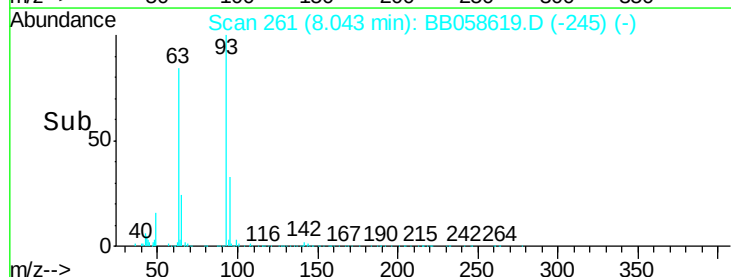
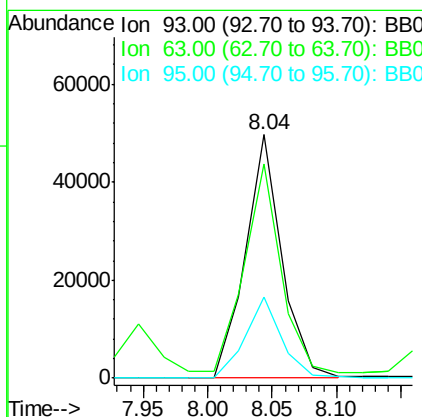
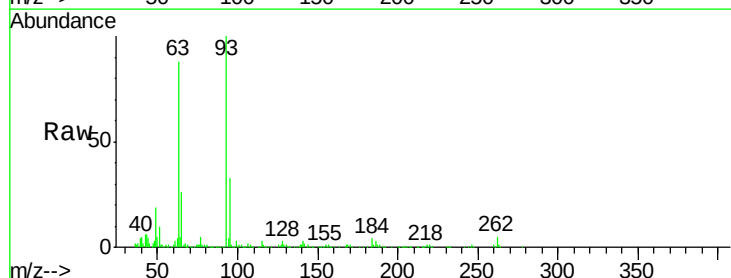
RT: 8.04 min Scan# 261

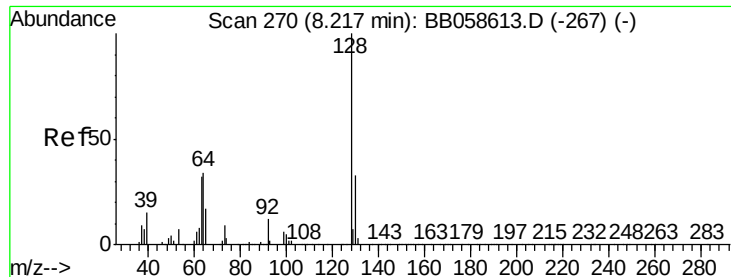
Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	97540		
63	87.9	57.3	85.9#	
95	33.2	25.1	37.7	





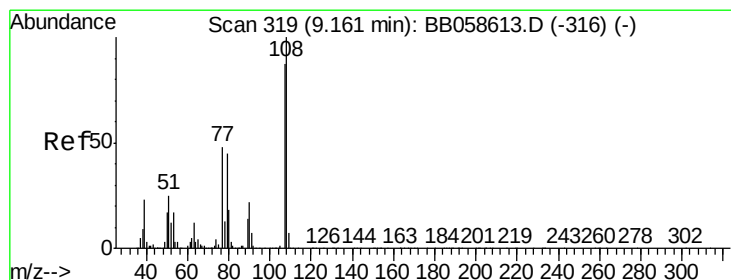
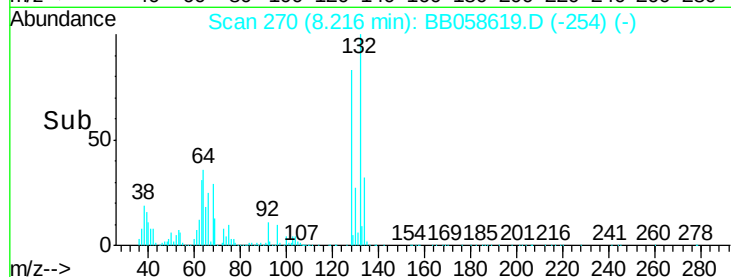
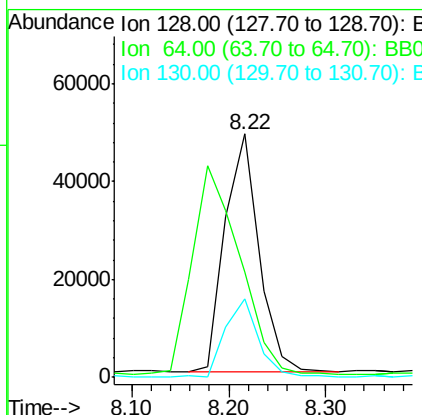
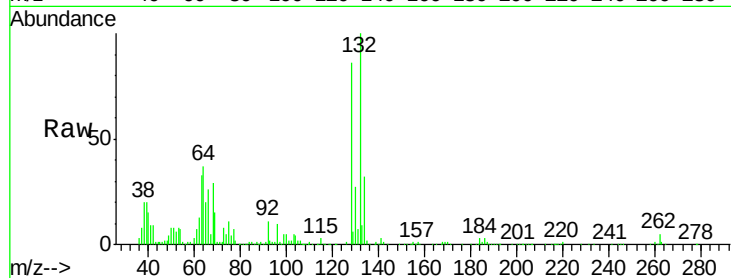
#10
2-Chlorophenol
Concen: 3.08 ng/ul
RT: 8.22 min Scan# 270
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	118048		
64	43.2	37.5	56.3	
130	32.0	25.0	37.4	

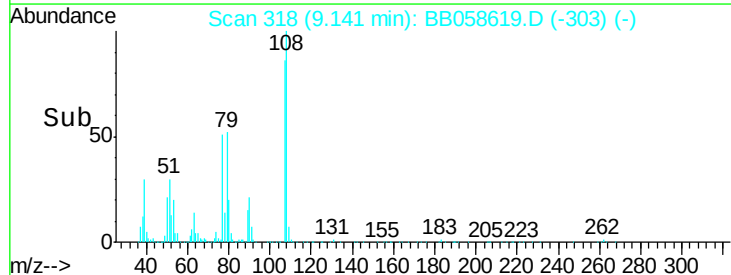
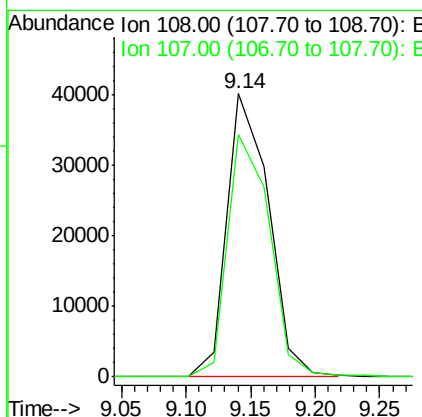
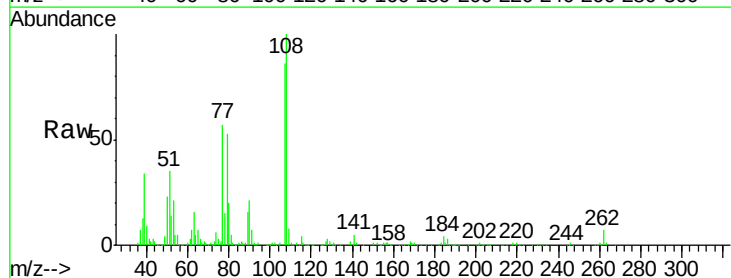
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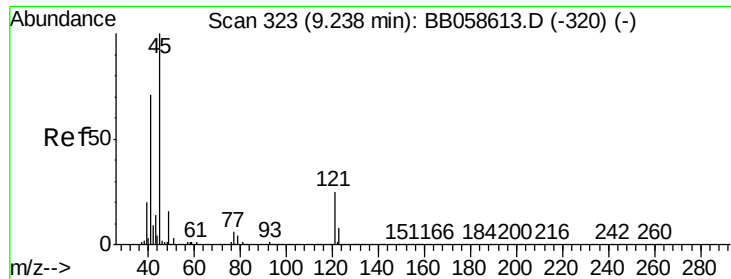
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#11
2-Methylphenol
Concen: 2.92 ng/ul
RT: 9.14 min Scan# 318
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	90130		
107	85.5	71.8	107.6	





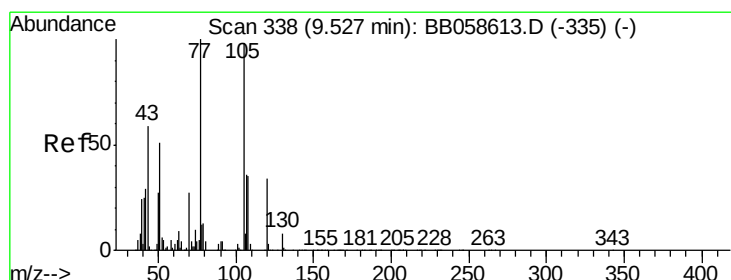
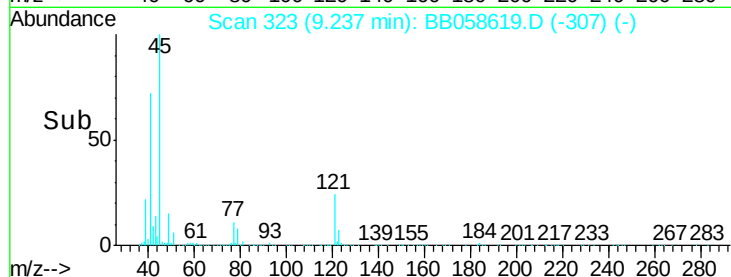
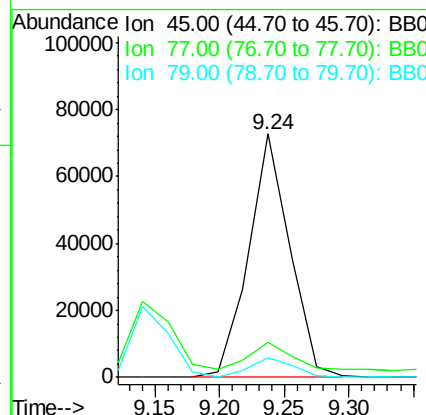
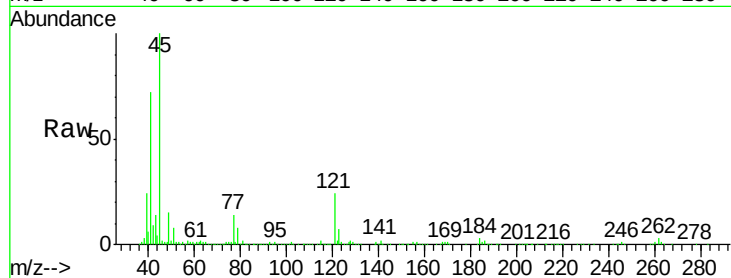
#12
2,2'-oxybis(1-chloropropane)
Concen: 2.87 ng/ul
RT: 9.24 min Scan# 323
Delta R.T. -0.00 min
Lab File: BB058619.D
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Instrument :
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ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.5	14.1	21.1
79	7.9	10.4	15.6#

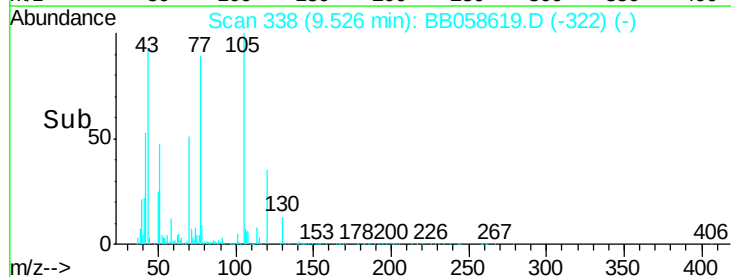
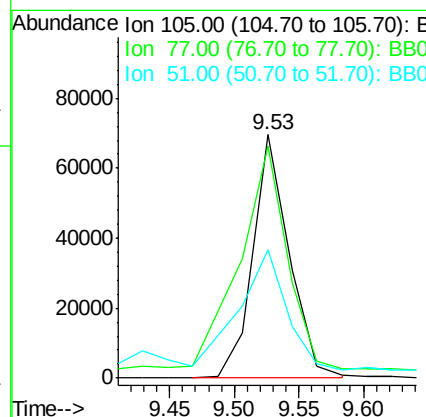
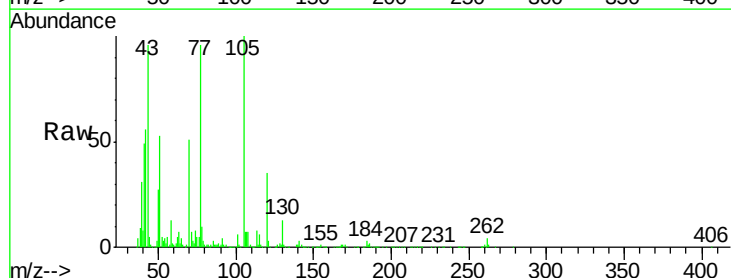
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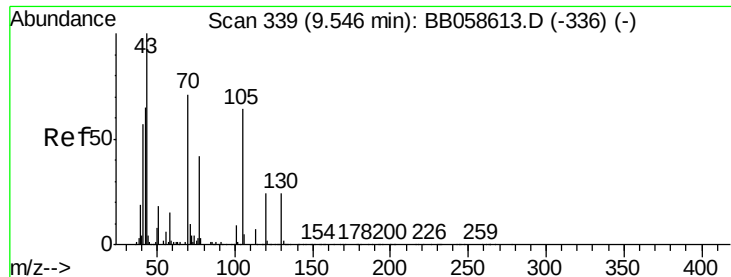
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#14
Acetophenone
Concen: 2.86 ng/ul
RT: 9.53 min Scan# 338
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
77	95.6	65.9	98.9
51	52.5	22.2	33.2#





#15

N-Nitroso-di-n-propylamine

Concen: 2.76 ng/ul

RT: 9.53 min Scan# 338

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

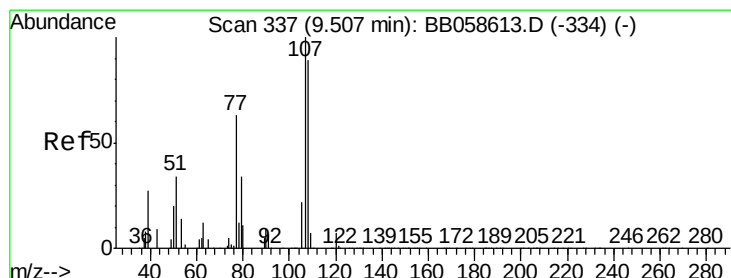
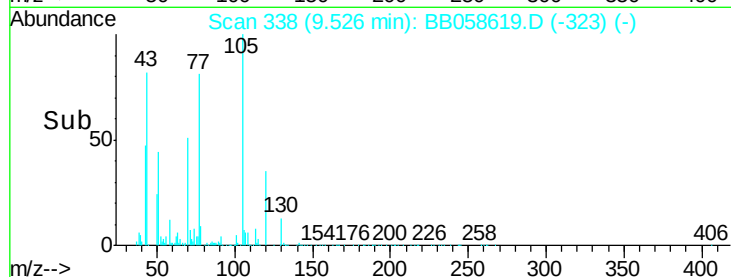
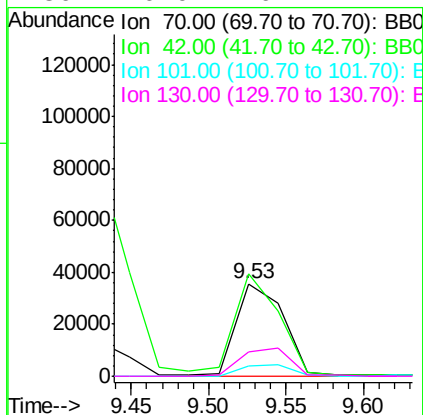
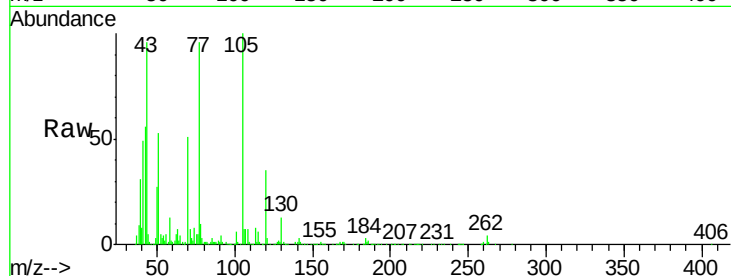
ClientSampleId :

MDL-05-W

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	110.2	43.4	65.2#	
101	11.0	7.8	11.6	
130	26.0	16.2	24.4#	

Manual Integrations
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#16

4-Methylphenol

Concen: 2.78 ng/ul

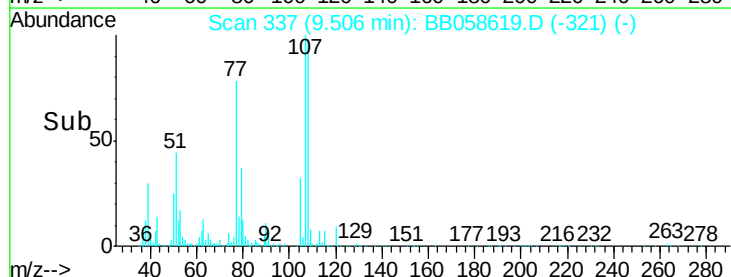
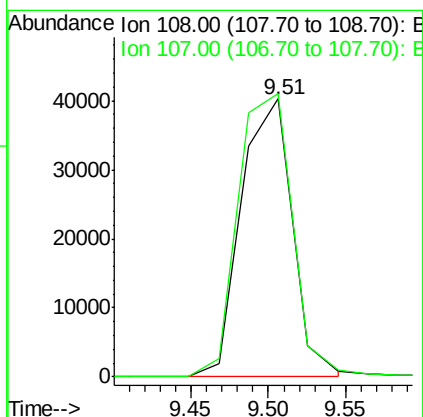
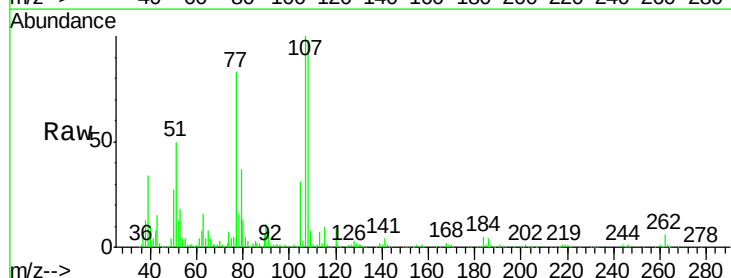
RT: 9.51 min Scan# 337

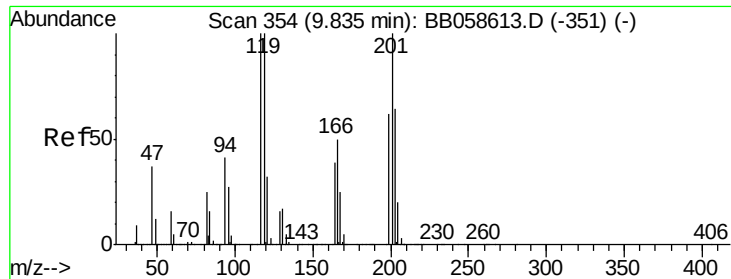
Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	101.9	87.8	131.8	





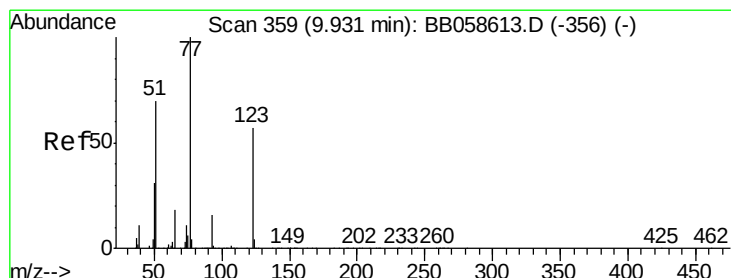
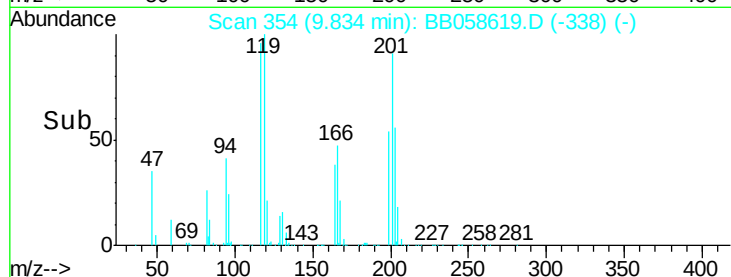
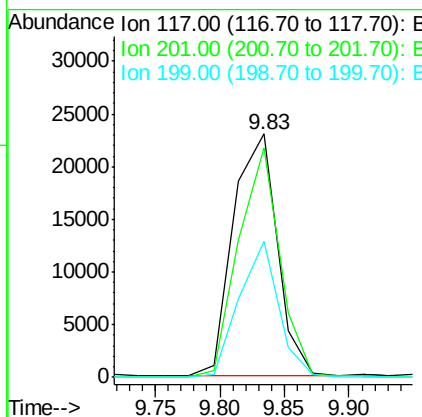
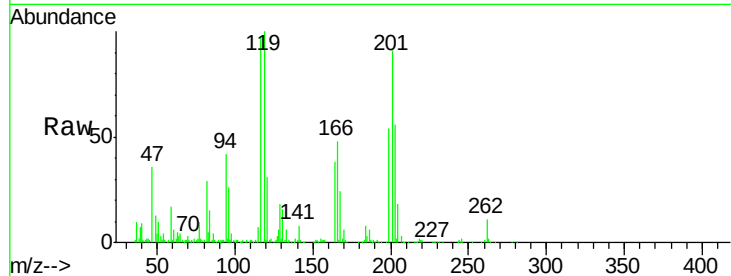
#17
Hexachloroethane
Concen: 2.93 ng/ul
RT: 9.83 min Scan# 354
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.3	90.3	135.5
199	56.0	58.5	87.7#

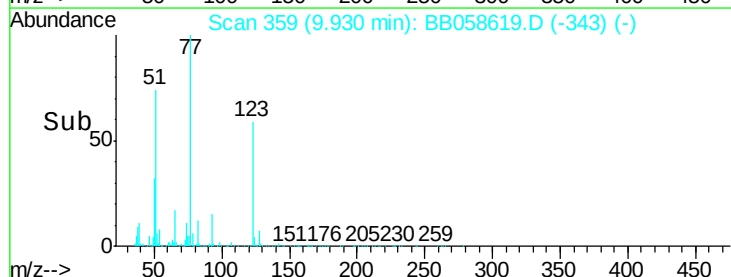
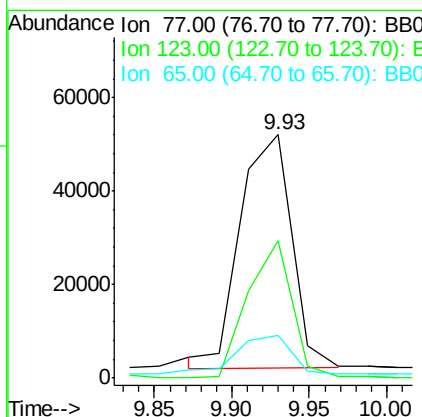
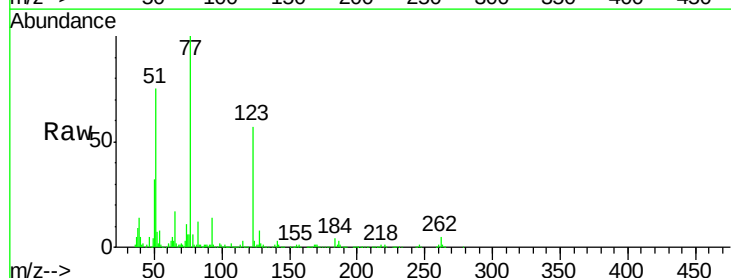
Manual Integrations
APPROVED

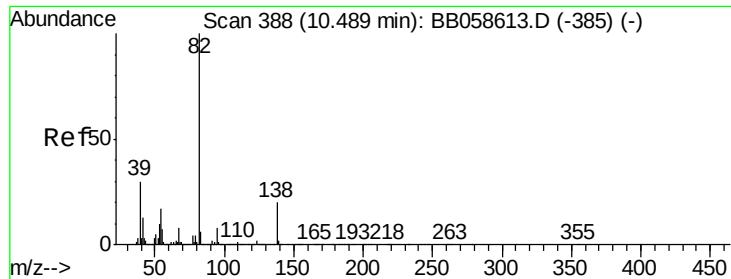
SOHIL
10/13/2016 11:12:37 AM



#20
Nitrobenzene
Concen: 3.02 ng/ul
RT: 9.93 min Scan# 359
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Lower	Upper
77	100		
123	56.5	34.2	51.4#
65	17.5	11.0	16.6#





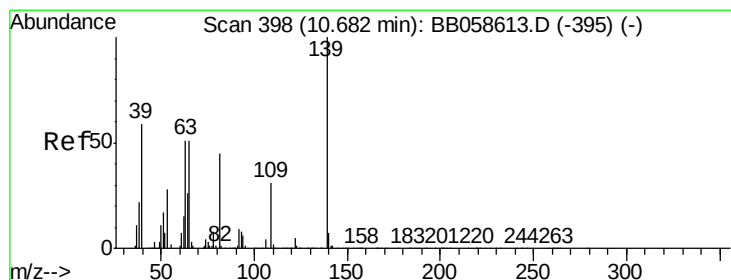
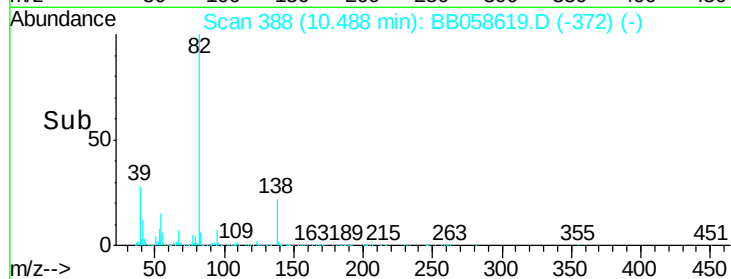
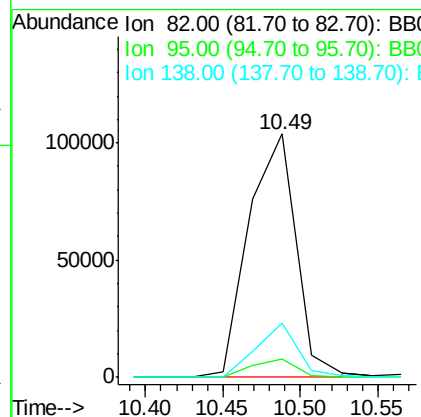
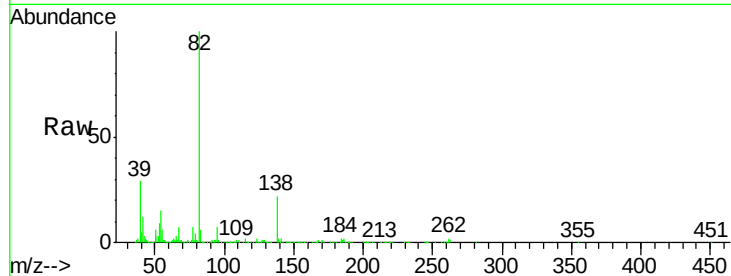
#21
Isophorone
Concen: 2.99 ng/ul
RT: 10.49 min Scan# 388
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
95	7.4	6.9	10.3
138	22.2	13.8	20.8

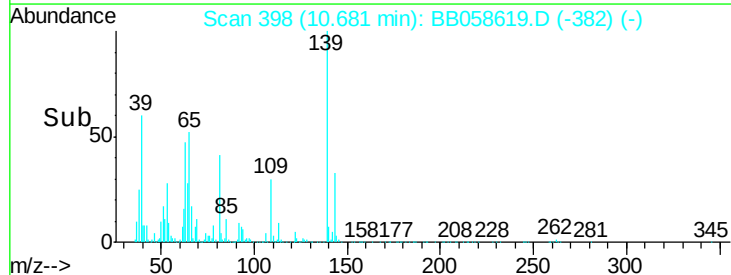
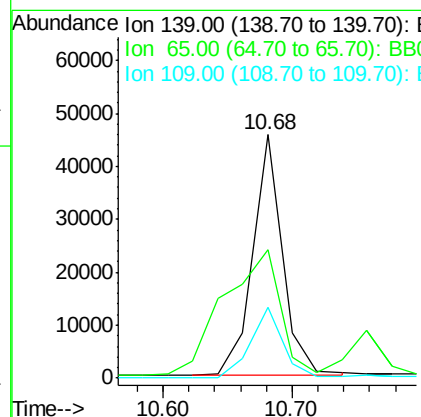
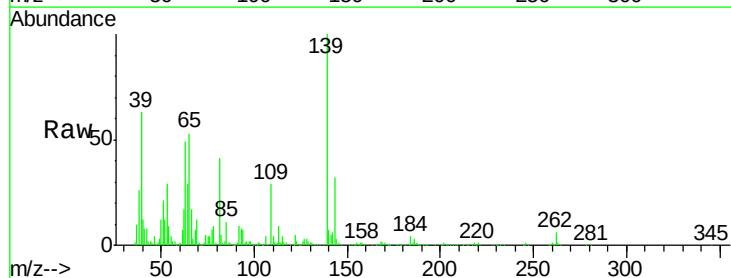
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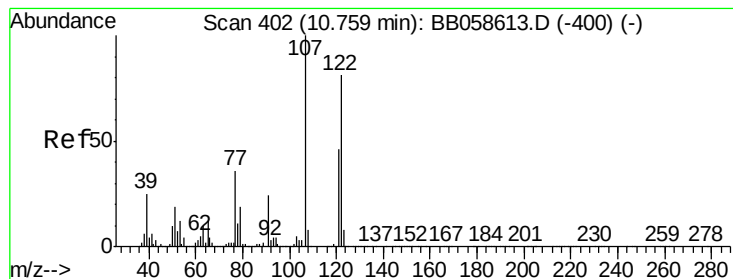
SOHIL
10/13/2016 11:12:37 AM



#23
2-Nitrophenol
Concen: 3.17 ng/ul
RT: 10.68 min Scan# 398
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp Lower	Upper
139	100		
65	52.8	44.2	66.4
109	29.3	28.2	42.4





#24

2,4-Dimethylphenol

Concen: 3.12 ng/ul

RT: 10.76 min Scan# 402

Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

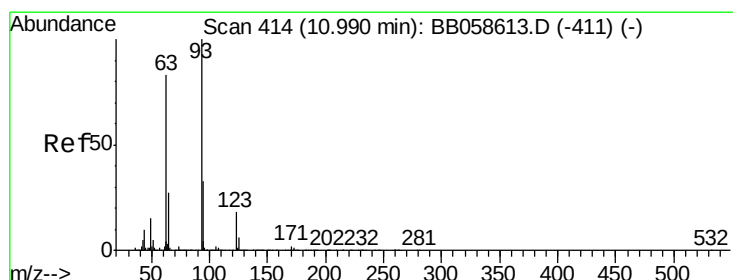
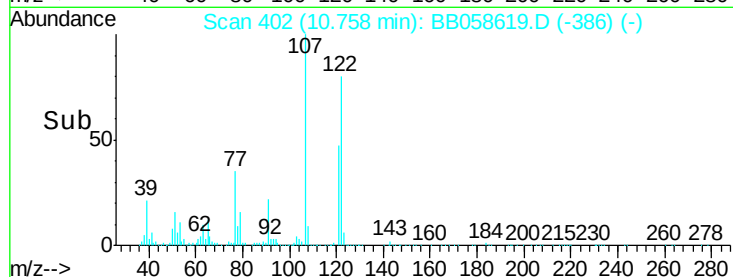
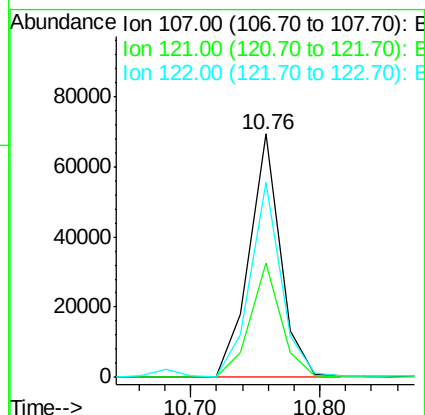
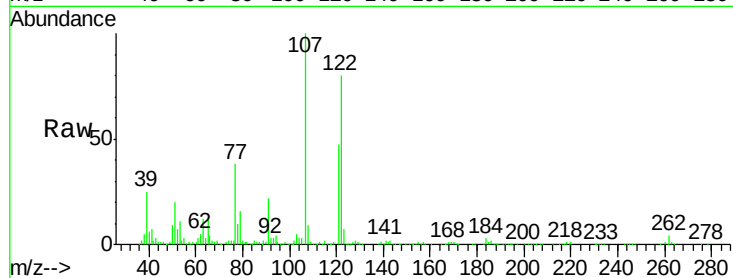
ClientSampleId :

MDL-05-W

Tgt Ion:	107	Resp:	117516
Ion Ratio	Lower	Upper	
107	100		
121	46.9	37.1	55.7
122	80.3	62.8	94.2

Manual Integrations
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#25

Bis(2-Chloroethoxy)methane

Concen: 3.01 ng/ul

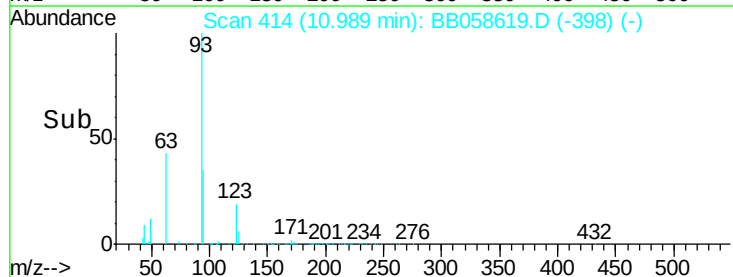
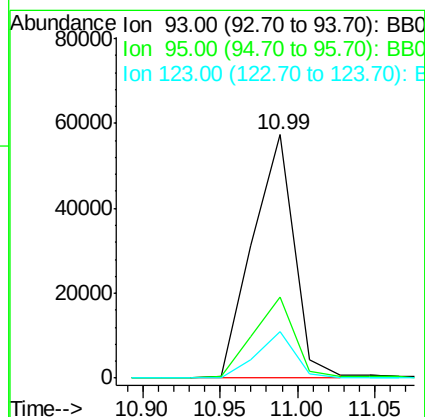
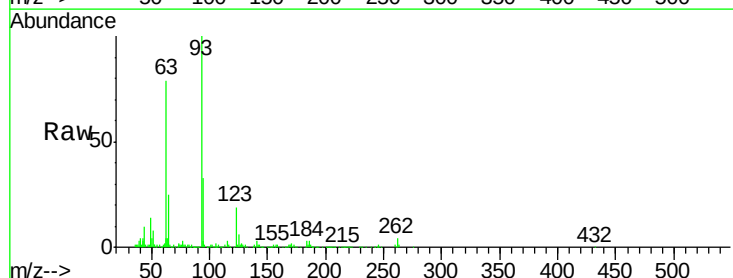
RT: 10.99 min Scan# 414

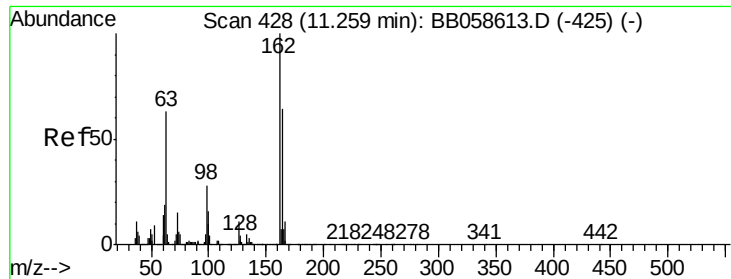
Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion:	93	Resp:	107754
Ion Ratio	Lower	Upper	
93	100		
95	33.2	25.4	38.0
123	19.3	8.3	12.5#





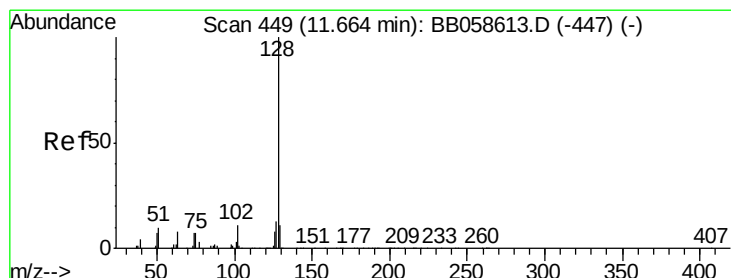
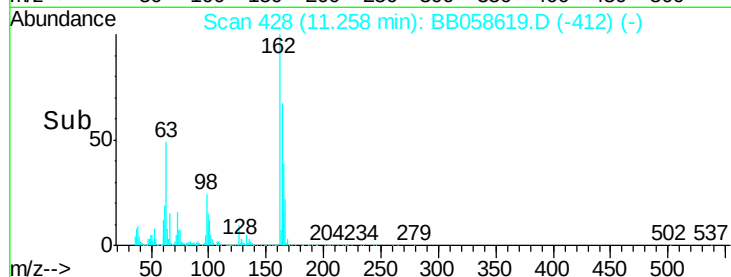
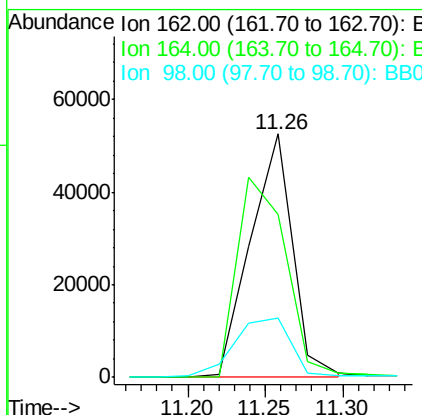
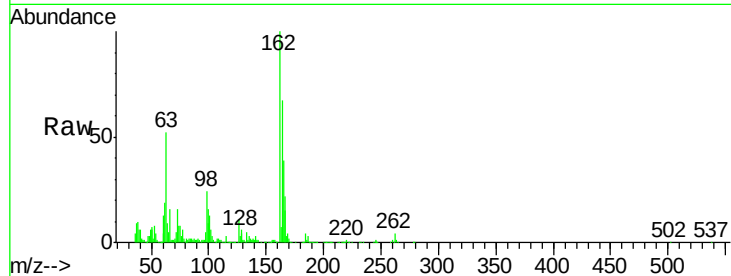
#27
 2,4-Dichlorophenol
 Concen: 3.22 ng/ul
 RT: 11.26 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Instrument :
 BNA_B
 ClientSampleId :
 MDL-05-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	67.1	51.6	77.4
98	24.4	28.4	42.6

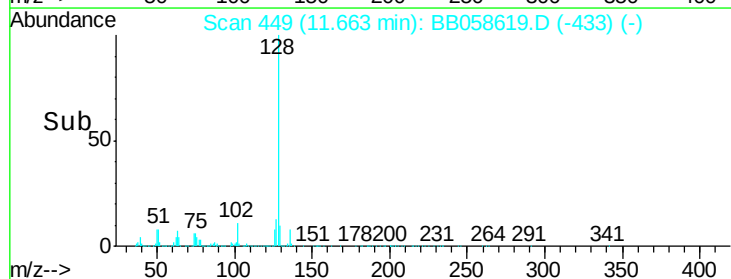
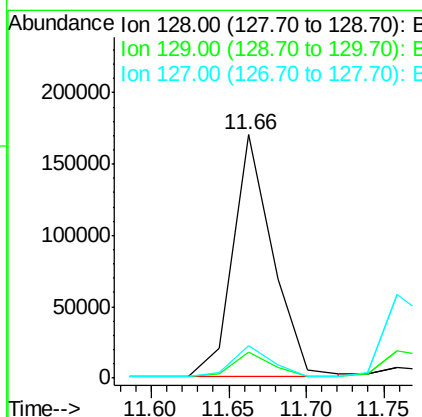
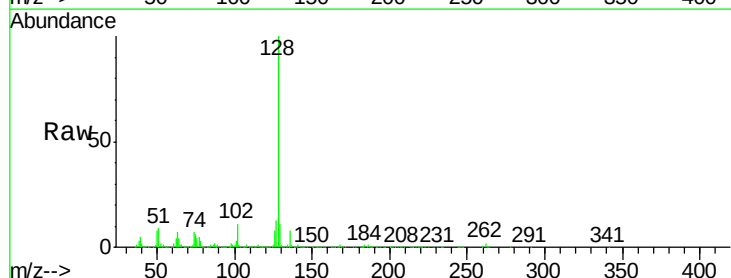
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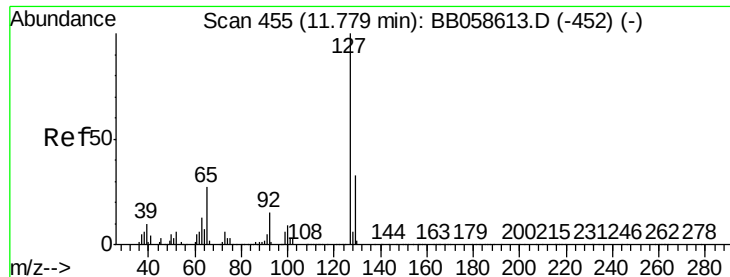
SOHIL
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#28
 Naphthalene
 Concen: 3.20 ng/ul
 RT: 11.66 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.6	8.6	12.8
127	13.4	10.6	15.8





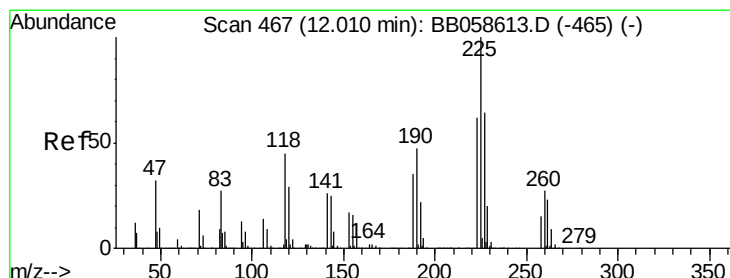
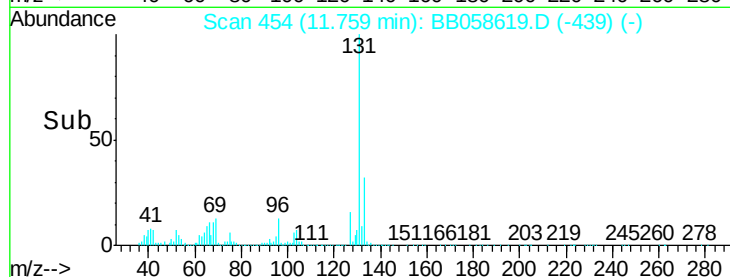
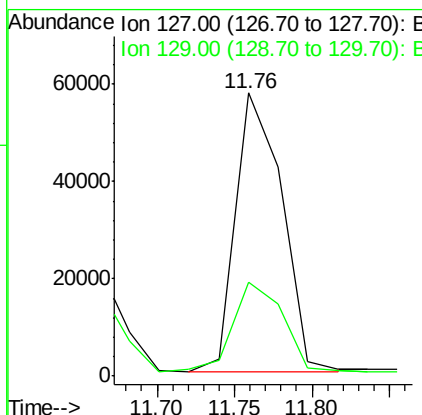
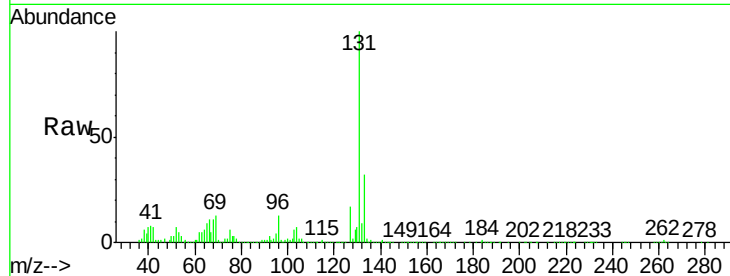
#30
4-Chloroaniline
Concen: 3.38 ng/ul
RT: 11.76 min Scan# 454
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion:127 Resp: 120566
Ion Ratio Lower Upper
127 100
129 33.4 24.6 37.0

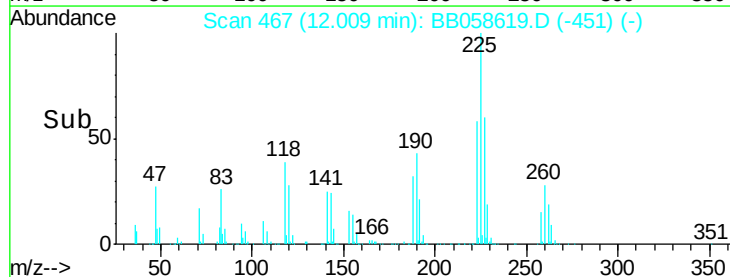
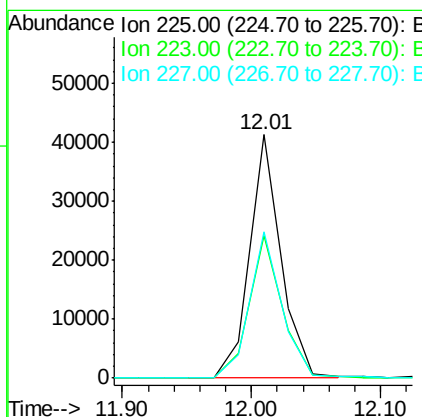
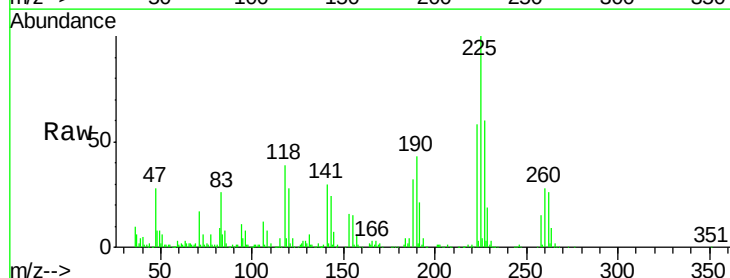
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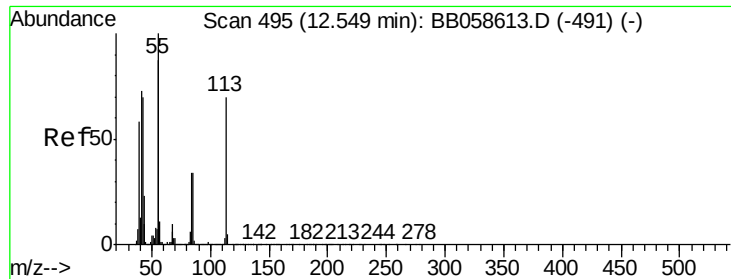
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#31
Hexachlorobutadiene
Concen: 3.25 ng/ul
RT: 12.01 min Scan# 467
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion:225 Resp: 69637
Ion Ratio Lower Upper
225 100
223 58.5 51.2 76.8
227 60.2 52.5 78.7





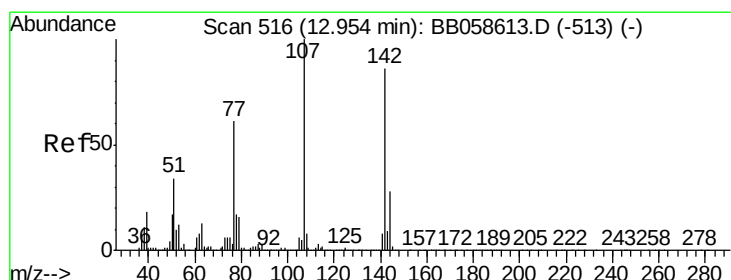
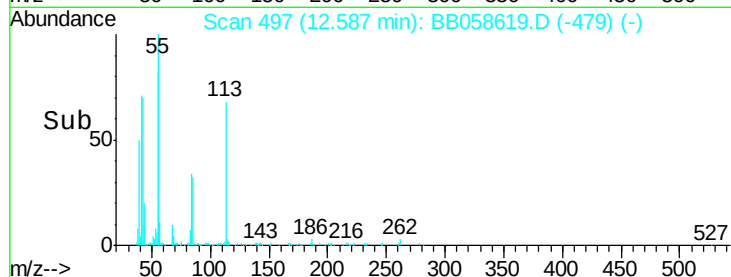
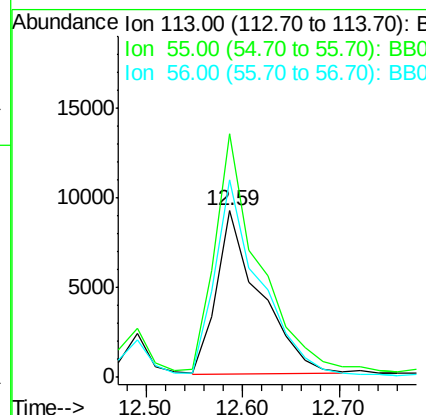
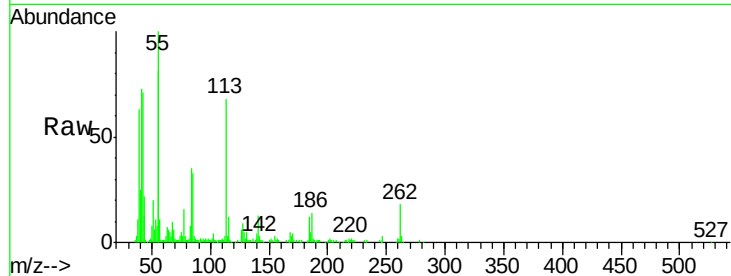
#32
 Caprolactam
 Concen: 2.51 ng/ul
 RT: 12.59 min Scan# 497
 Delta R.T. 0.04 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Instrument :
 BNA_B
 ClientSampleId :
 MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	28530		
55	146.3	121.9	182.9	
56	118.8	97.4	146.0	

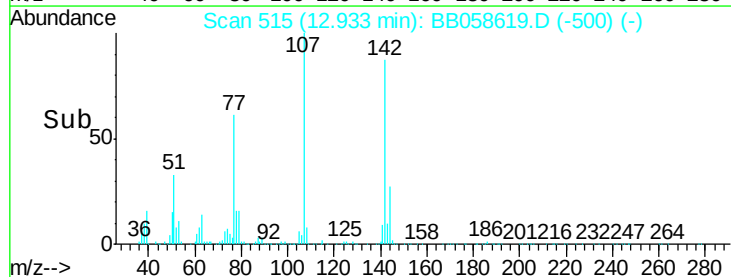
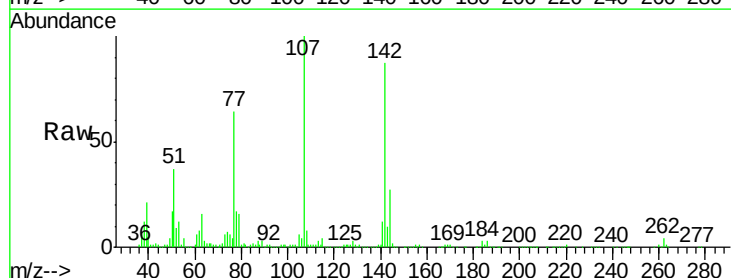
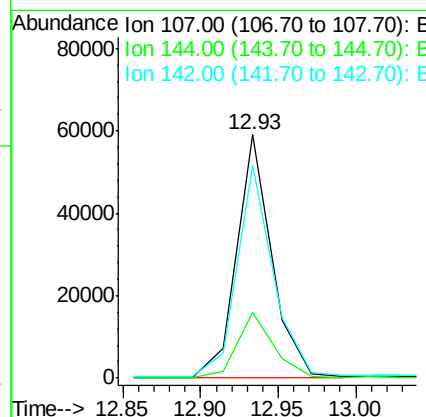
Manual Integrations
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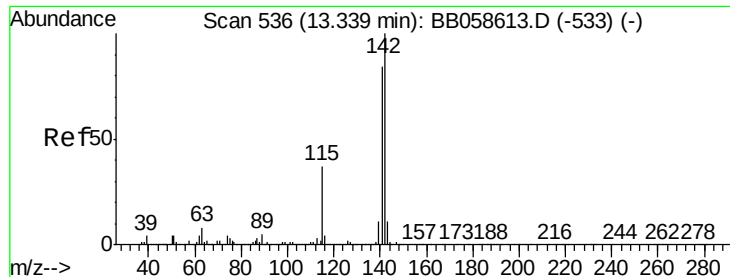
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#33
 4-Chloro-3-methylphenol
 Concen: 3.04 ng/ul
 RT: 12.93 min Scan# 515
 Delta R.T. -0.02 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	94908		
144	27.1	21.1	31.7	
142	87.2	64.1	96.1	





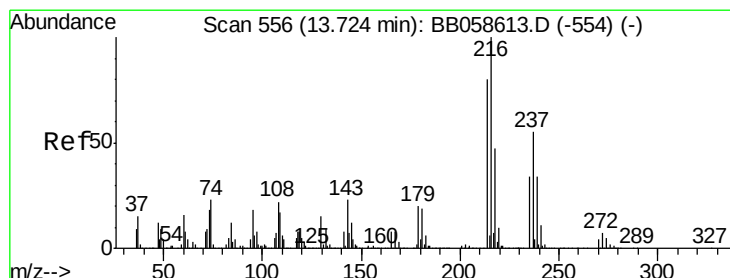
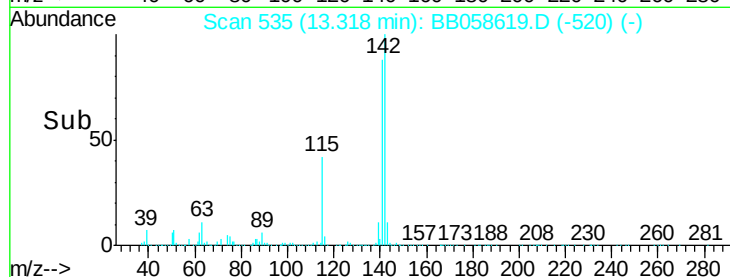
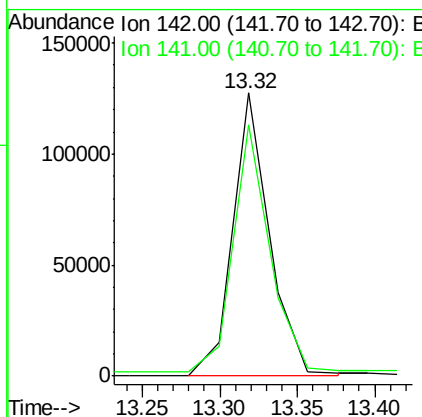
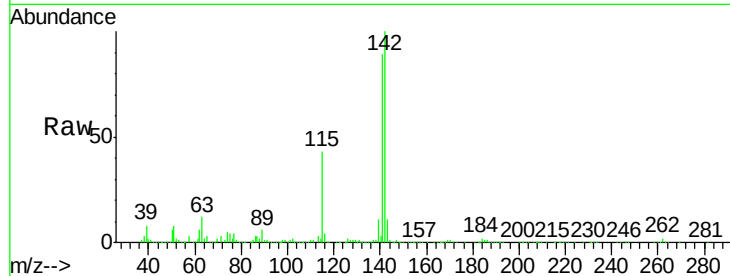
#34
 2-Methylnaphthalene
 Concen: 3.21 ng/ul
 RT: 13.32 min Scan# 535
 Delta R.T. -0.02 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Instrument :
 BNA_B
 ClientSampled :
 MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	209105		
141	88.7	71.3	106.9	

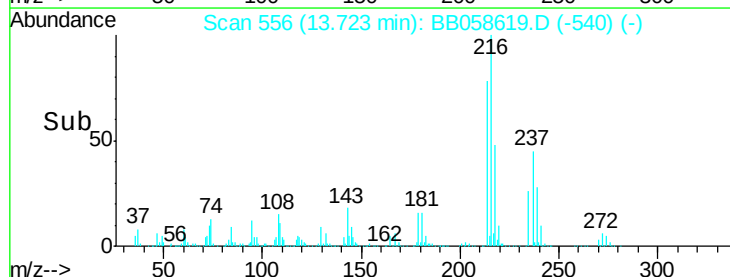
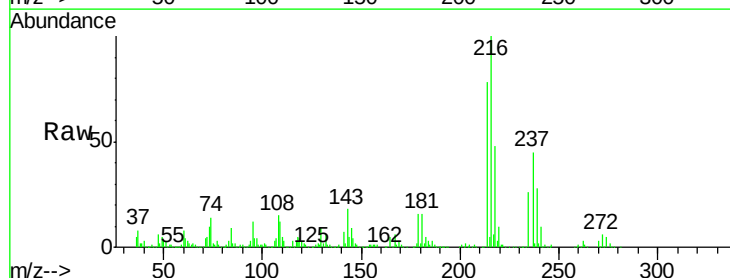
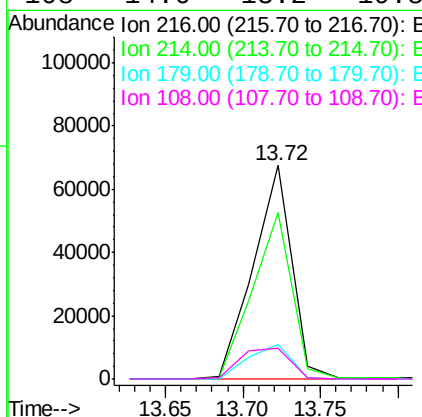
Manual Integrations
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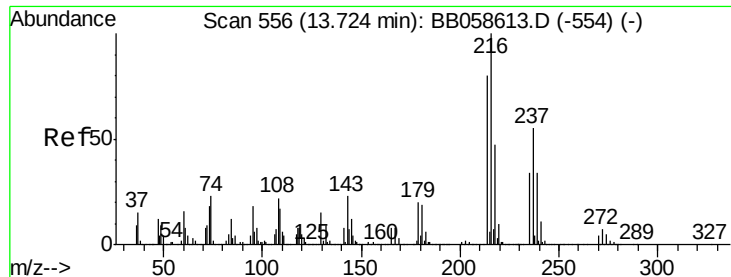
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#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.10 ng/ul
 RT: 13.72 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	118012		
214	78.0	64.8	97.2	
179	16.5	16.7	25.1	#
108	14.6	13.2	19.8	





#37

Hexachlorocyclopentadiene

Concen: 1.94 ng/ul

RT: 13.72 min Scan# 556

Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

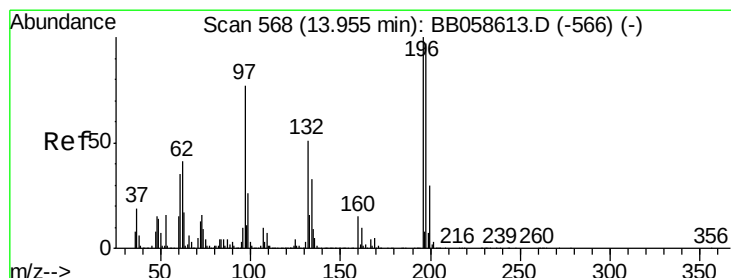
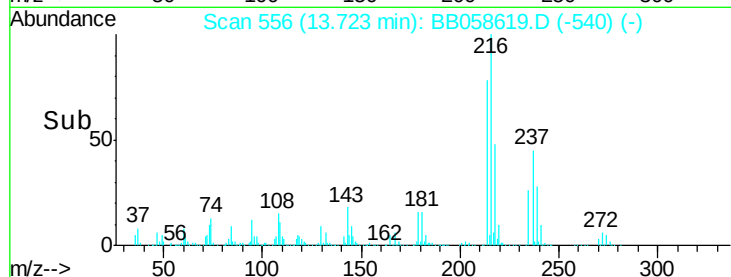
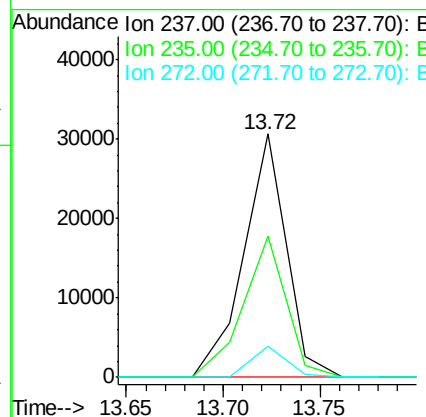
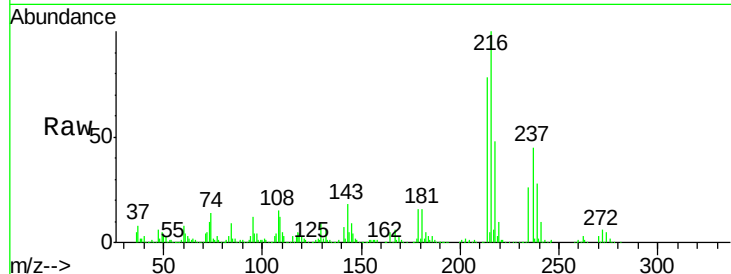
ClientSampleId :

MDL-05-W

Tgt Ion:	237	Resp:	46434
Ion Ratio	Lower	Upper	
237	100		
235	55.3	49.6	74.4
272	13.1	10.4	15.6

Manual Integrations
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SOHIL
10/13/2016 11:12:37 AM



#38

2,4,6-Trichlorophenol

Concen: 3.01 ng/ul

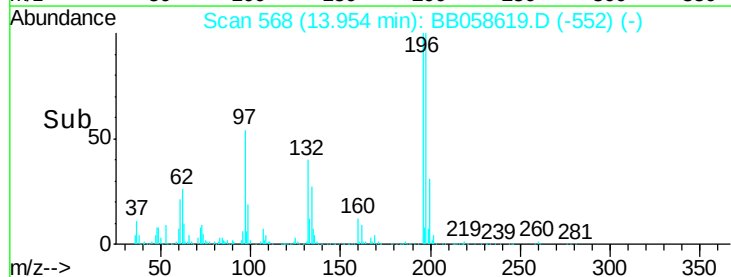
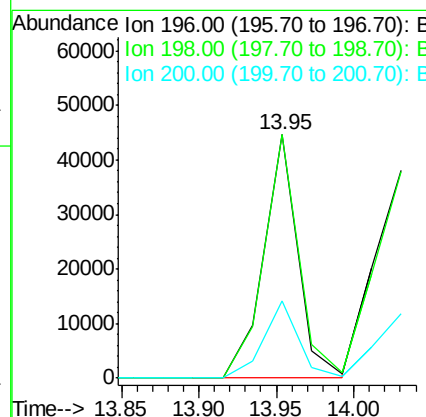
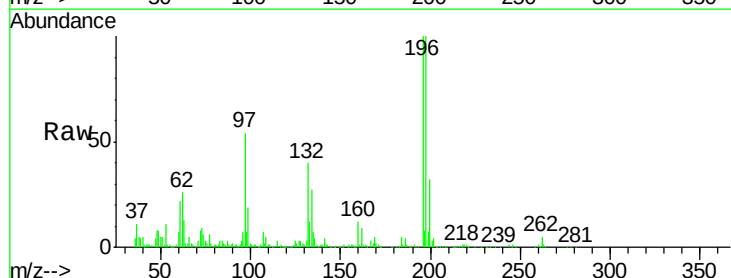
RT: 13.95 min Scan# 568

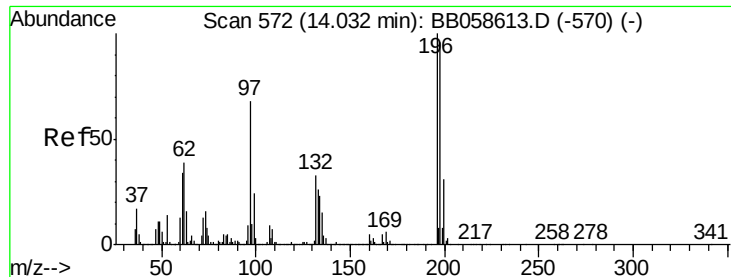
Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion:	196	Resp:	69462
Ion Ratio	Lower	Upper	
196	100		
198	99.9	76.9	115.3
200	31.7	25.1	37.7





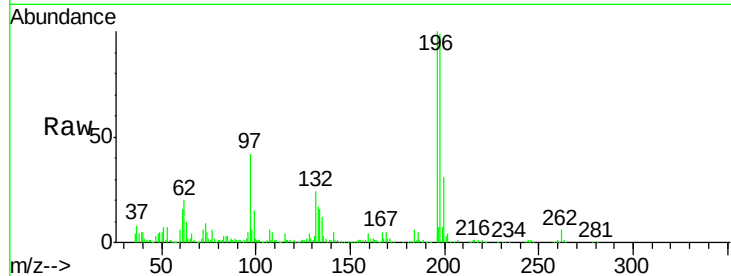
#39
 2,4,5-Trichlorophenol
 Concen: 2.83 ng/ul
 RT: 14.03 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Instrument :
 BNA_B
 ClientSampled :
 MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	69472		
198	99.4	76.8	115.2	
200	31.2	27.0	40.4	

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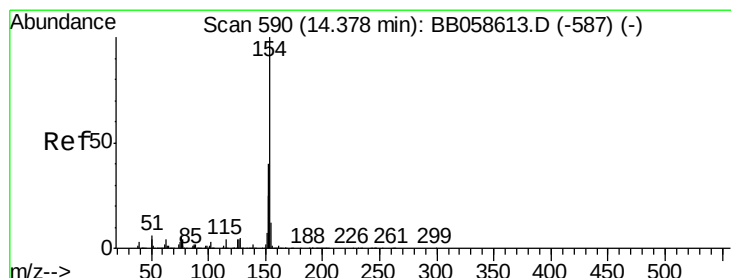
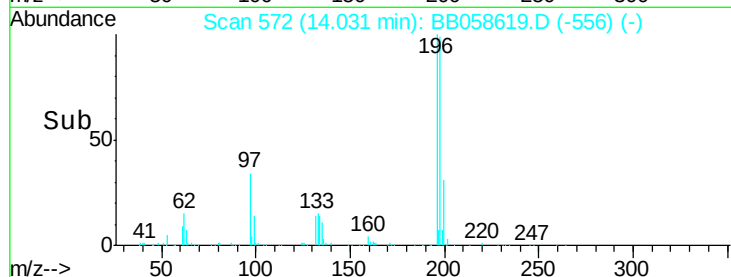
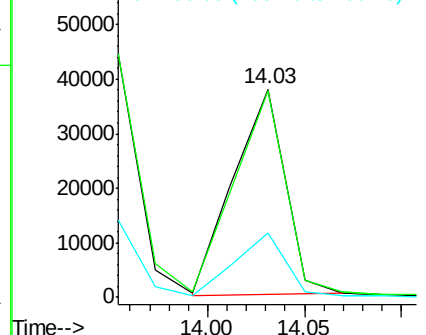


Abundance

Ion 196.00 (195.70 to 196.70): E

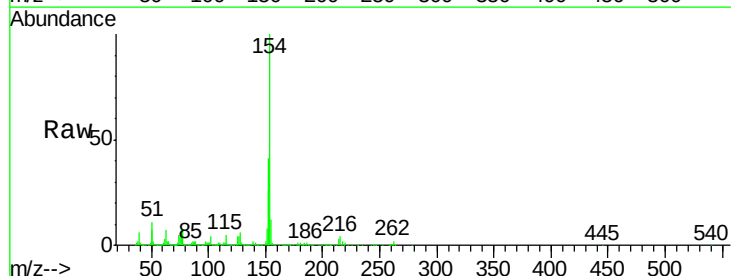
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#40
 1,1'-Biphenyl
 Concen: 3.15 ng/ul
 RT: 14.36 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	261447		
153	40.6	31.3	46.9	
76	8.2	10.0	15.0	

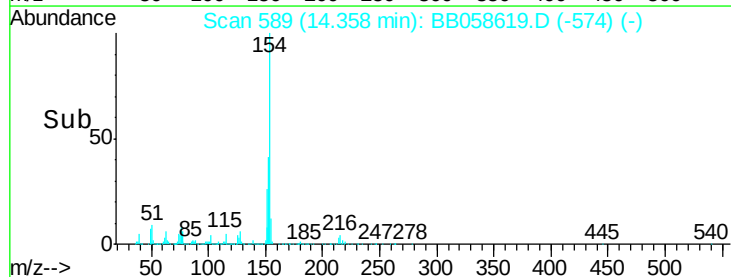
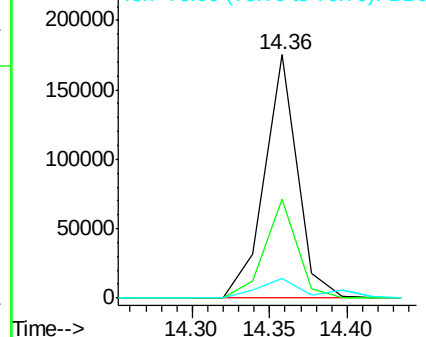


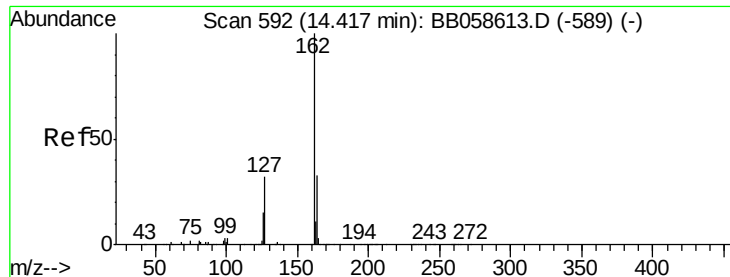
Abundance

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





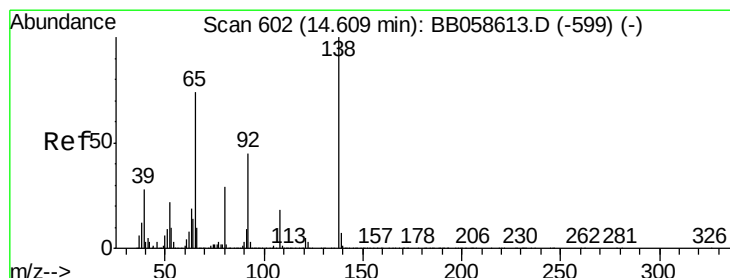
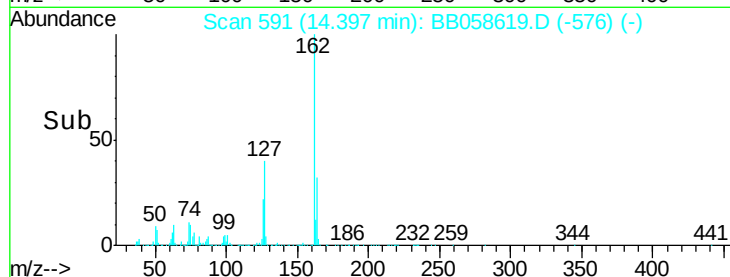
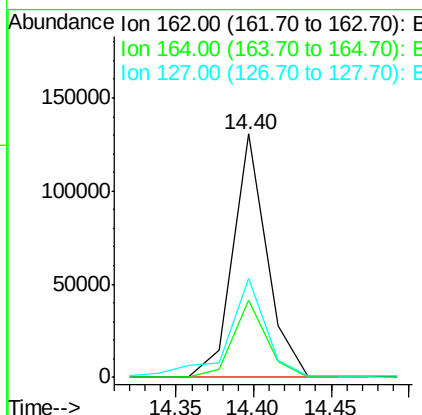
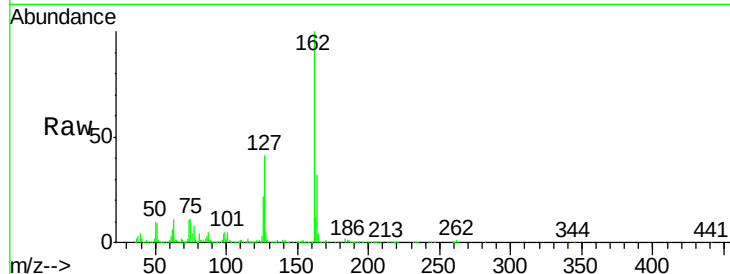
#41
2-Chloronaphthalene
Concen: 3.03 ng/ul
RT: 14.40 min Scan# 591
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	32.0	26.9	40.3
127	40.9	31.2	46.8

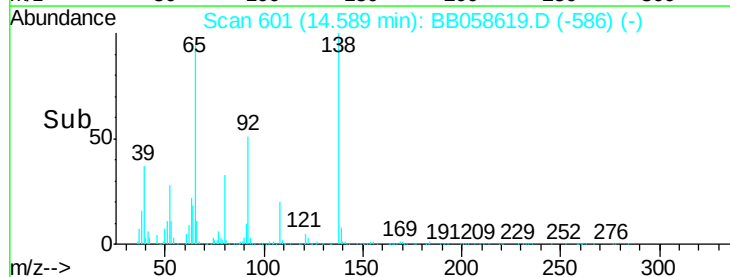
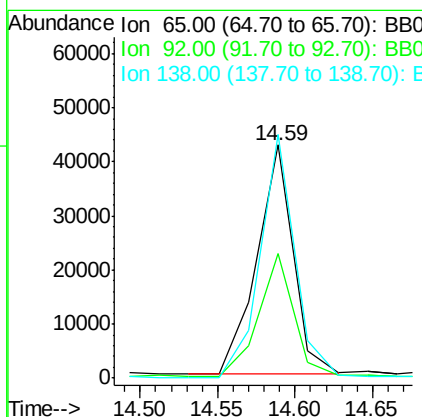
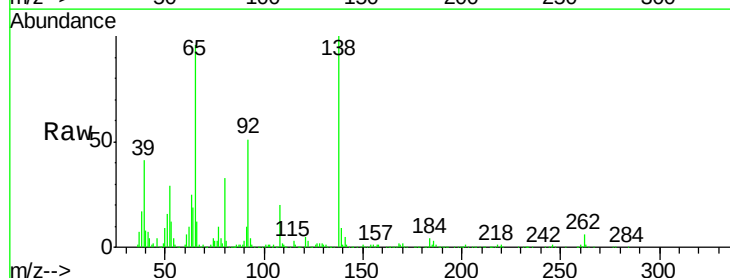
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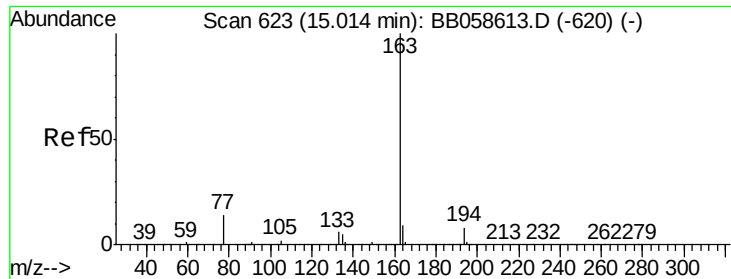
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#42
2-Nitroaniline
Concen: 2.73 ng/ul
RT: 14.59 min Scan# 601
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
65	100		
92	53.6	55.6	83.4#
138	104.5	81.3	121.9





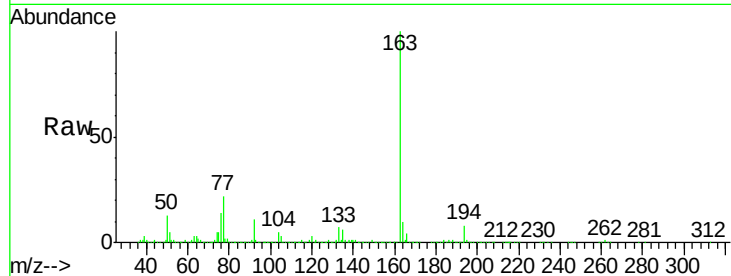
#44
Dimethylphthalate
Concen: 3.14 ng/ul
RT: 14.99 min Scan# 622
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampled :
MDL-05-W

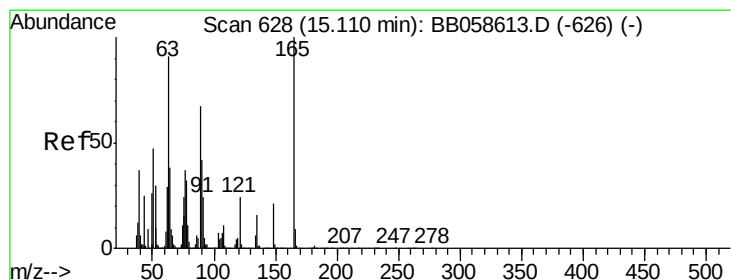
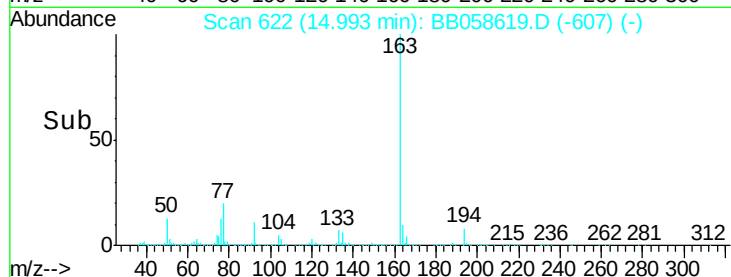
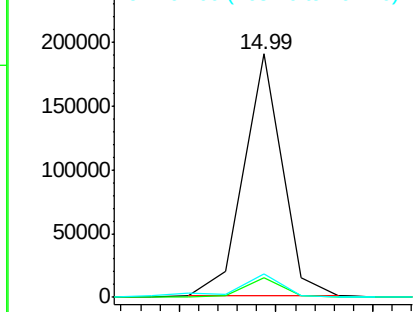
Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	8.0	3.4	5.2#
164	9.8	7.8	11.8

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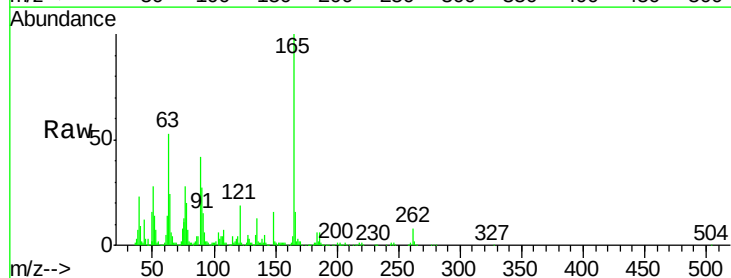


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

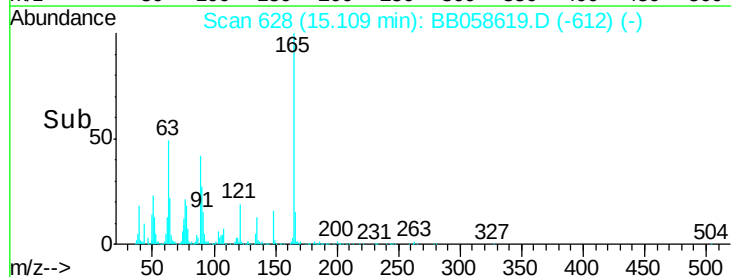
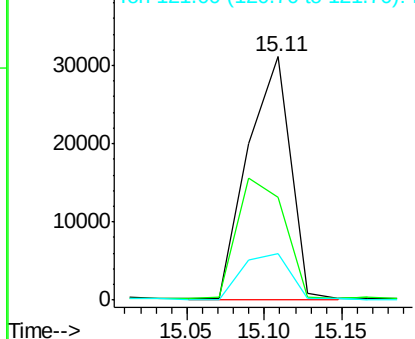


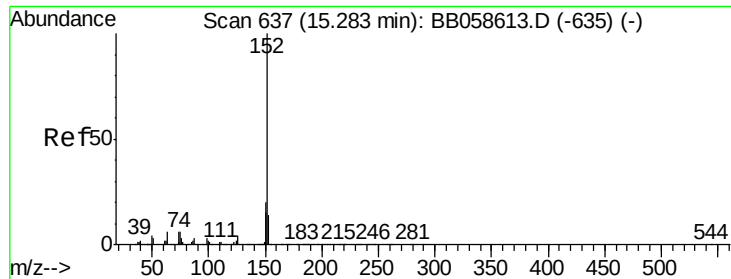
#45
2,6-Dinitrotoluene
Concen: 2.90 ng/ul
RT: 15.11 min Scan# 628
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
89	42.0	46.6	69.8#
121	19.2	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





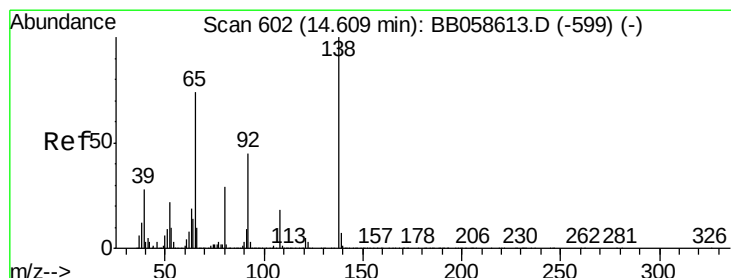
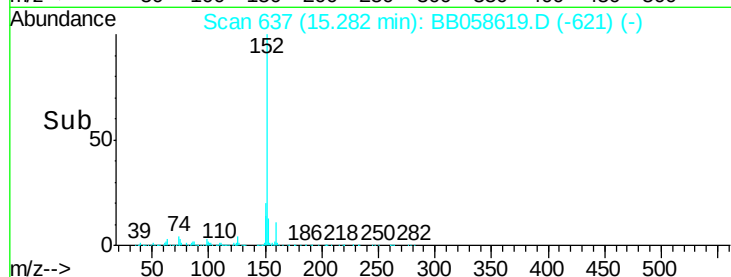
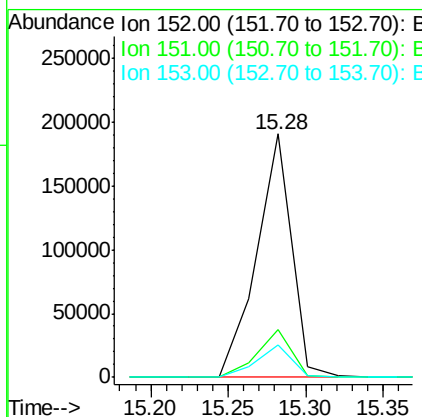
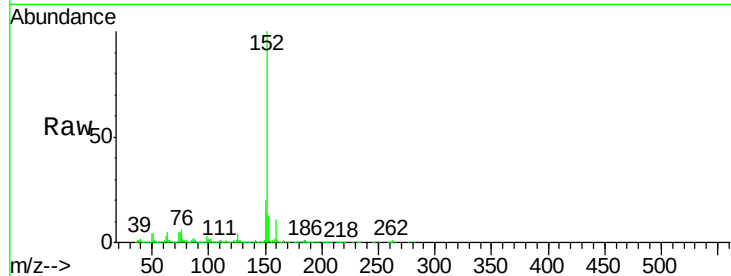
#47
Acenaphthylene
Concen: 3.20 ng/ul
RT: 15.28 min Scan# 637
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	301693		
151	19.9	16.0	24.0	
153	13.4	11.0	16.6	

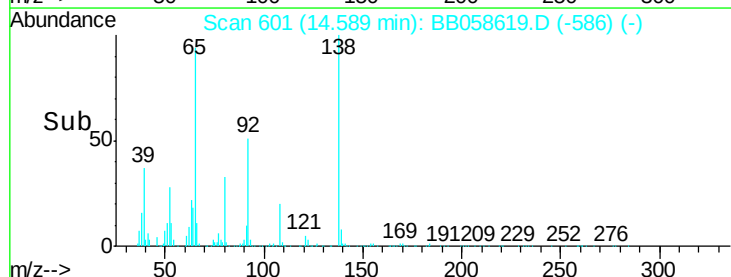
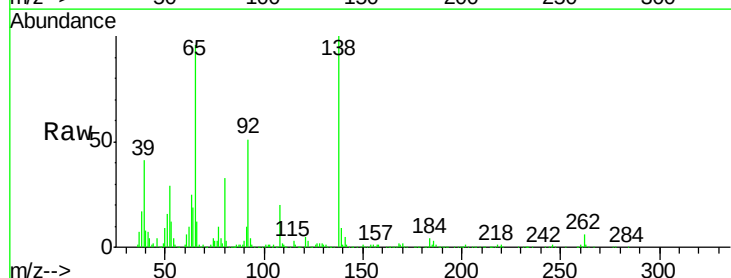
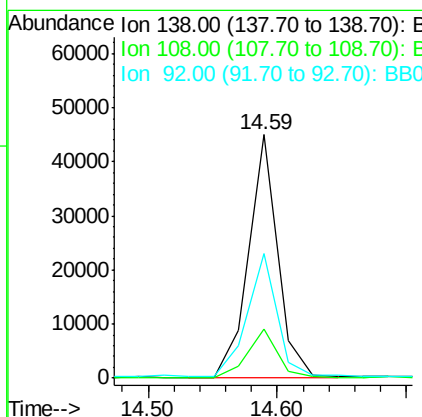
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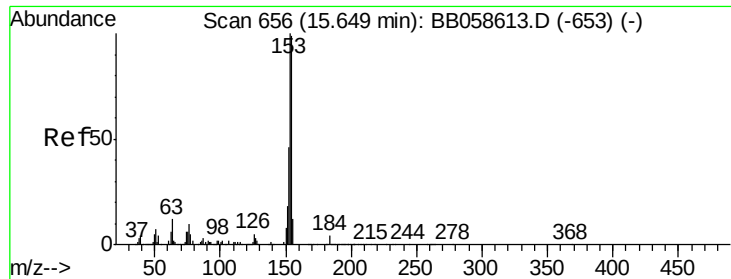
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#48
3-Nitroaniline
Concen: 2.63 ng/ul
RT: 14.59 min Scan# 601
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	71630		
108	20.0	9.4	14.0#	
92	51.3	96.6	145.0#	





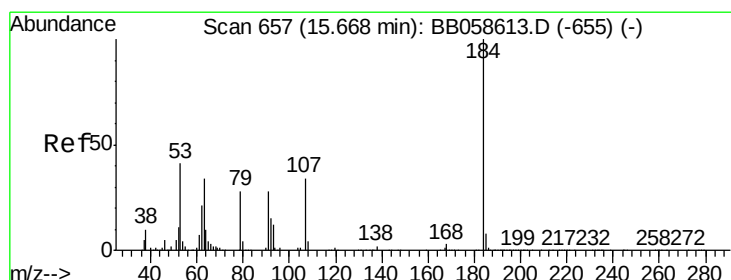
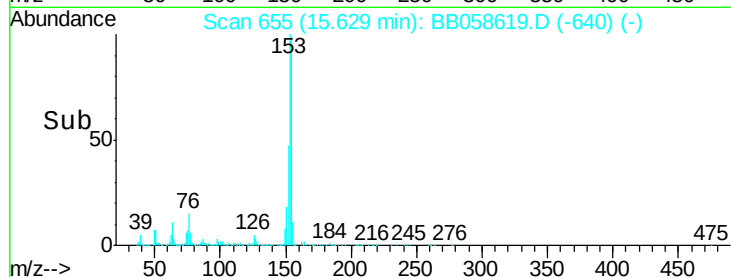
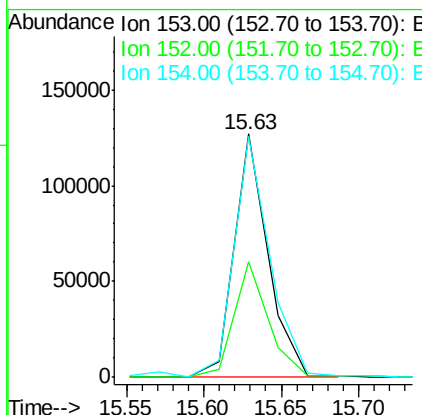
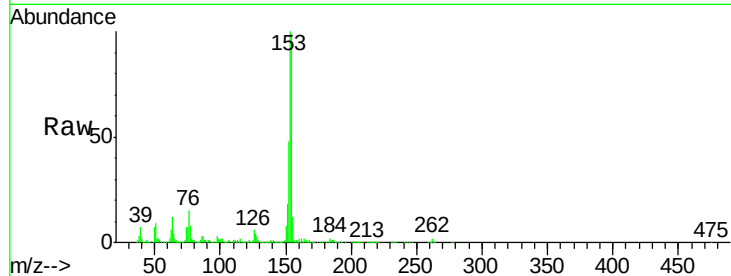
#49
Acenaphthene
Concen: 3.02 ng/ul
RT: 15.63 min Scan# 655
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	194976		
152	47.6	37.8	56.6	
154	99.0	71.4	107.0	

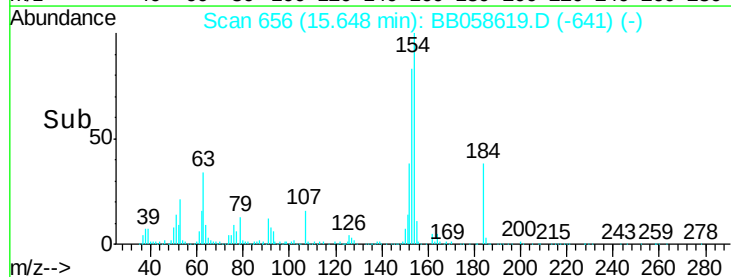
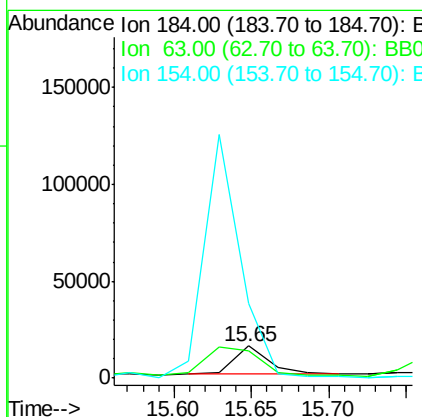
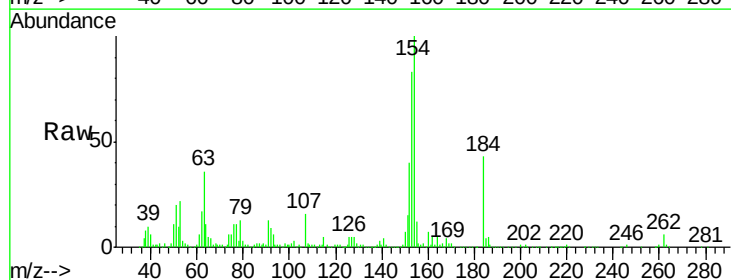
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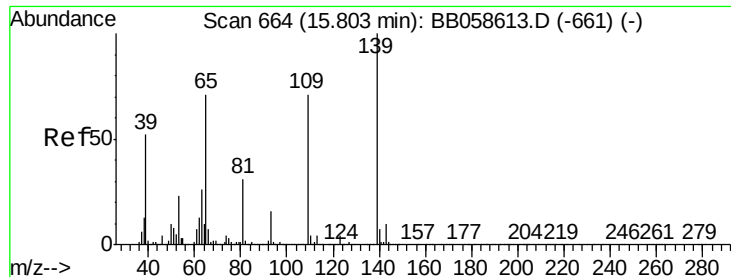
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#50
2,4-Dinitrophenol
Concen: 1.56 ng/ul
RT: 15.65 min Scan# 656
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	23080		
63	84.8	43.4	65.0#	
154	234.8	48.2	72.4#	





#52

4-Nitrophenol

Concen: 2.58 ng/ul

RT: 15.78 min Scan# 663

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

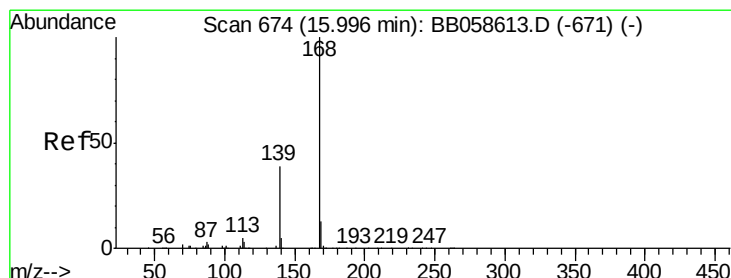
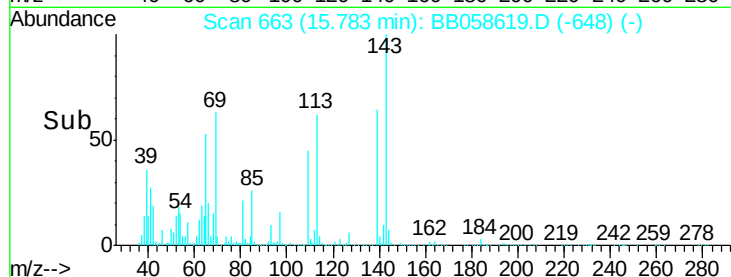
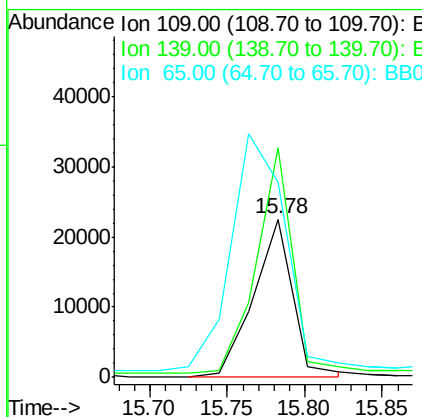
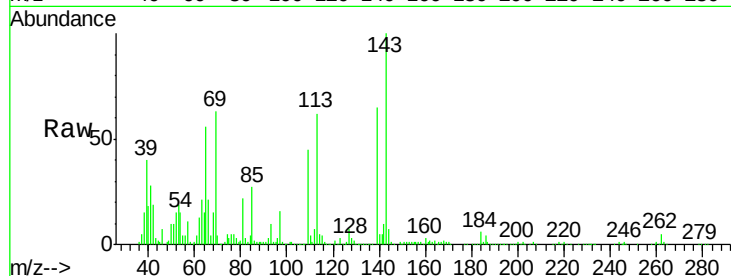
ClientSampleId :

MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	39643		
139	144.6	88.7	133.1#	
65	122.9	96.4	144.6	

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#53

Dibenzofuran

Concen: 3.23 ng/ul

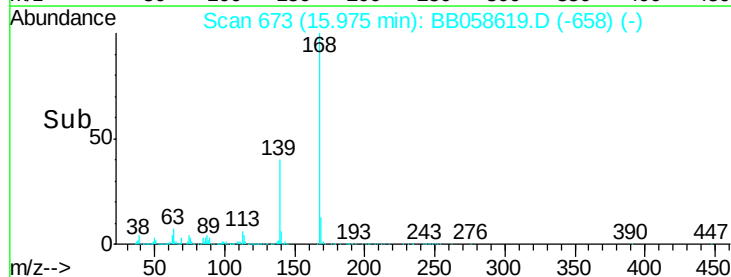
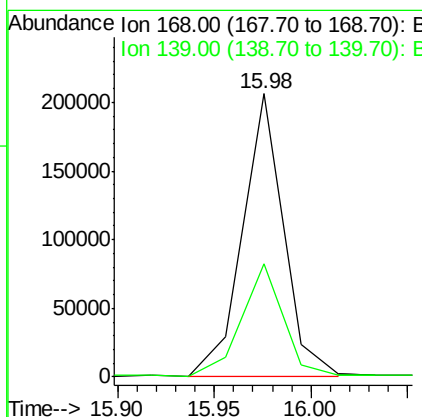
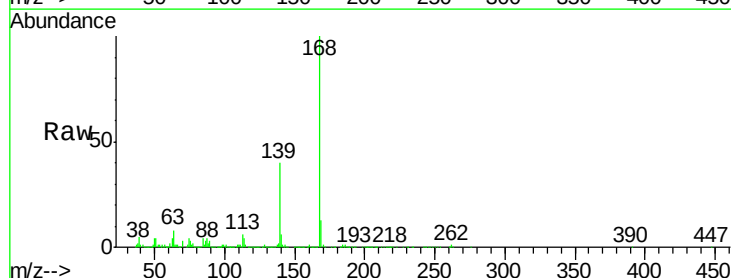
RT: 15.98 min Scan# 673

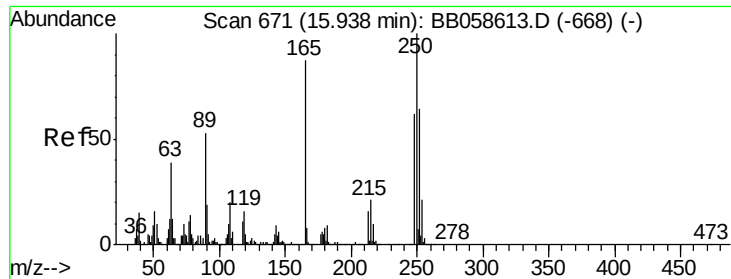
Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	297277		
139	39.9	30.1	45.1	





#54

2,4-Dinitrotoluene

Concen: 2.94 ng/ul

RT: 15.92 min Scan# 670

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

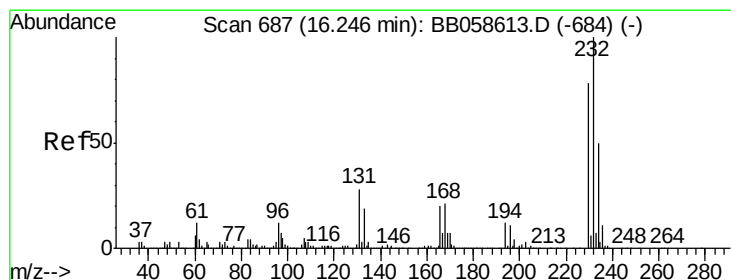
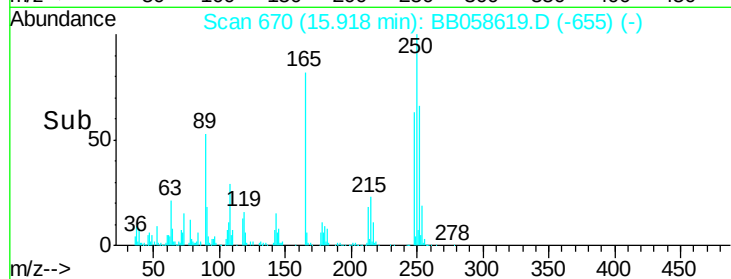
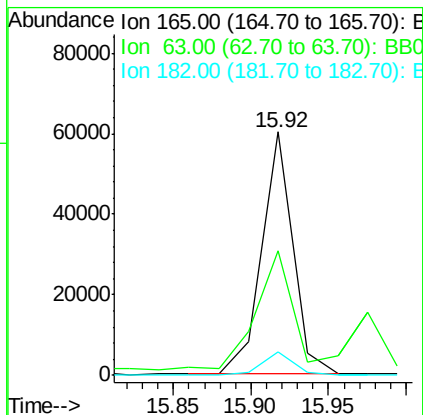
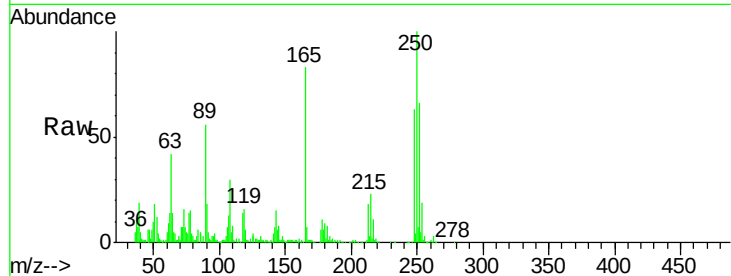
ClientSampleId :

MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	85389		
63	51.2	36.2	54.2	
182	9.4	2.2	3.4#	

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#55

2,3,4,6-Tetrachlorophenol

Concen: 2.89 ng/ul

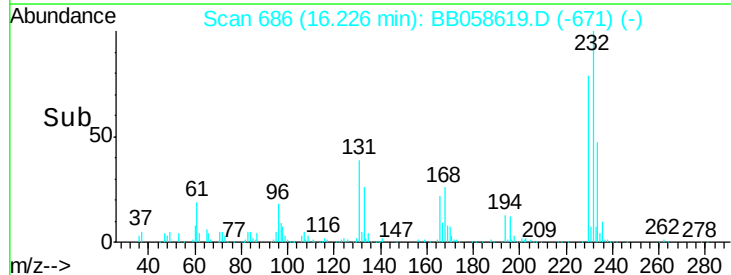
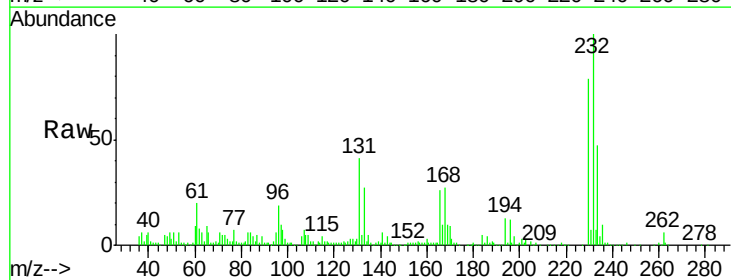
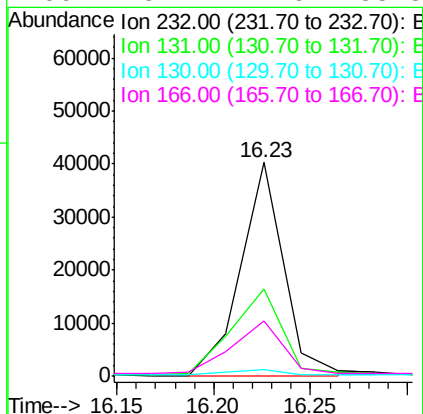
RT: 16.23 min Scan# 686

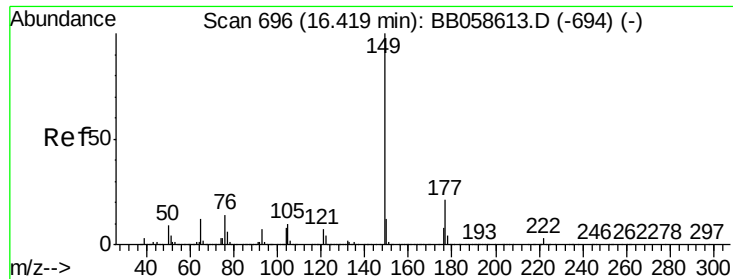
Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	61949		
131	41.0	31.4	47.0	
130	3.1	1.6	2.4#	
166	25.7	22.6	33.8	





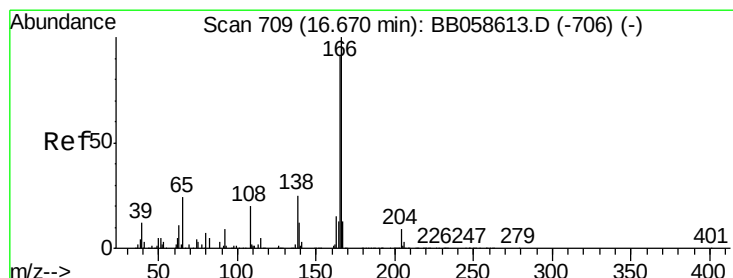
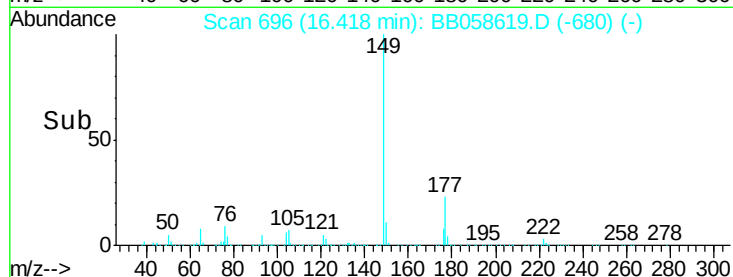
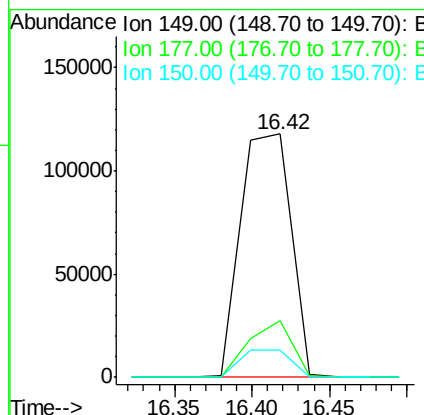
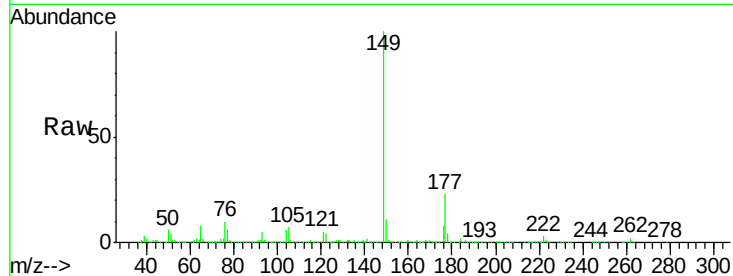
#56
Diethylphthalate
Concen: 3.18 ng/ul
RT: 16.42 min Scan# 696
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
177	23.0	18.6	28.0
150	11.3	10.0	15.0

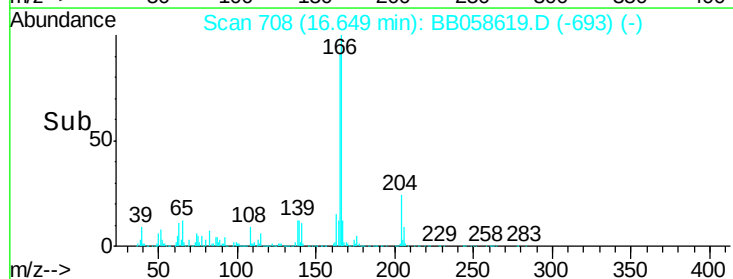
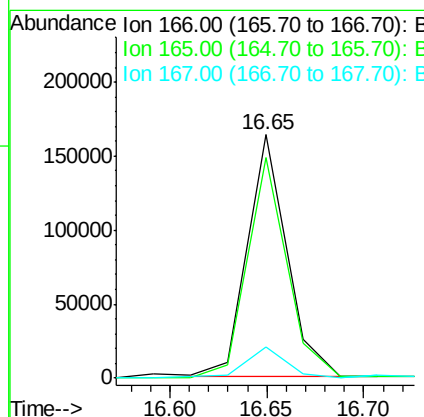
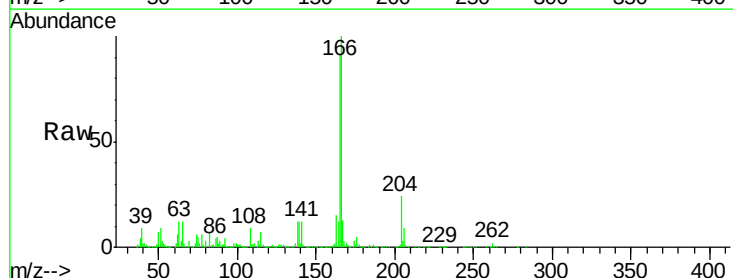
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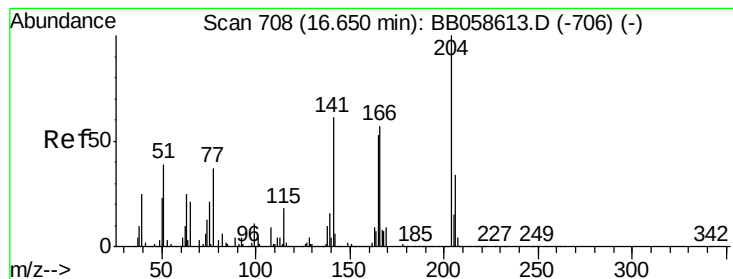
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10/13/2016 11:12:37 AM



#58
Fluorene
Concen: 3.07 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	90.8	79.9	119.9
167	12.5	10.5	15.7





#59

4-Chlorophenyl-phenylether

Concen: 2.90 ng/ul

RT: 16.63 min Scan# 707

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

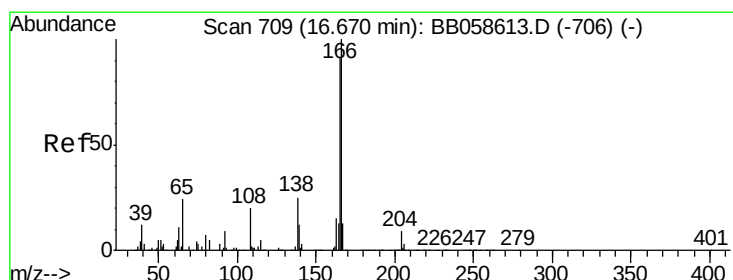
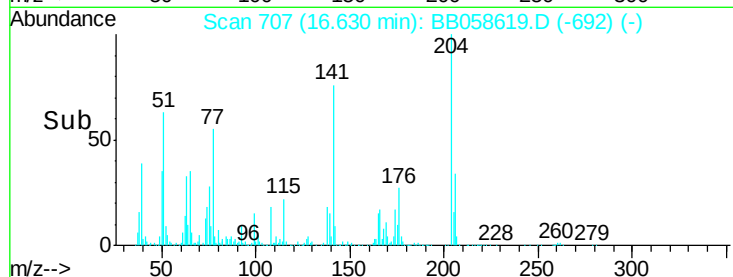
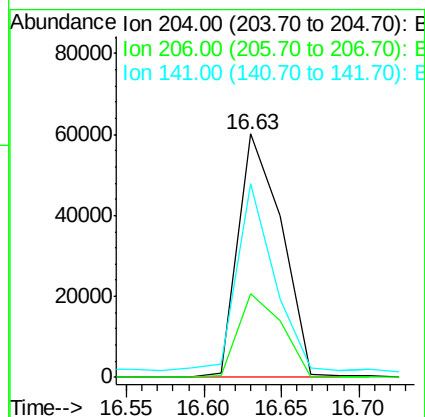
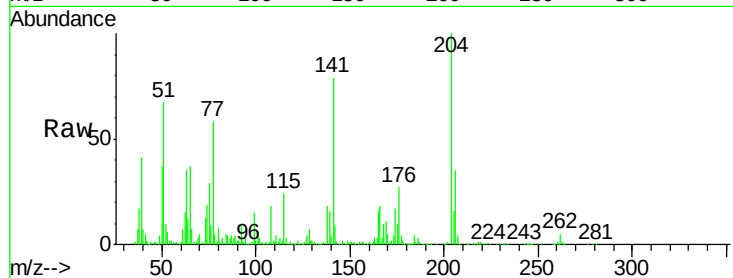
ClientSampled :

MDL-05-W

Tgt Ion:	204	Resp:	116971
Ion Ratio		Lower	Upper
204	100		
206	34.6	25.9	38.9
141	79.4	46.1	69.1#

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#60

4-Nitroaniline

Concen: 1.86 ng/ul

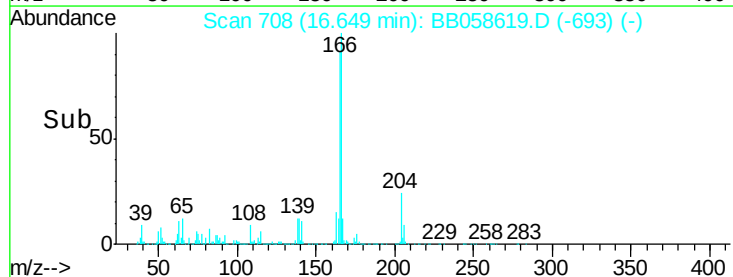
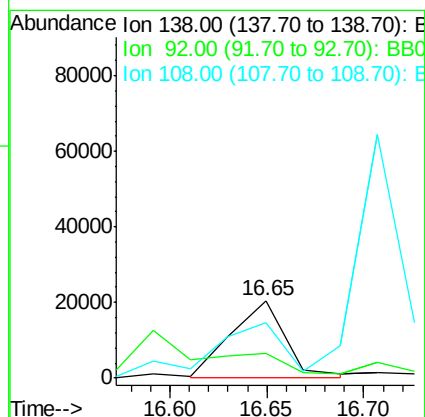
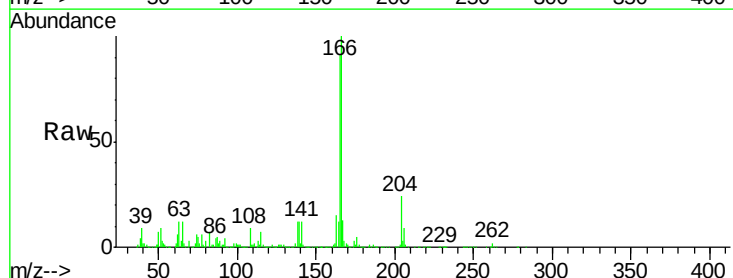
RT: 16.65 min Scan# 708

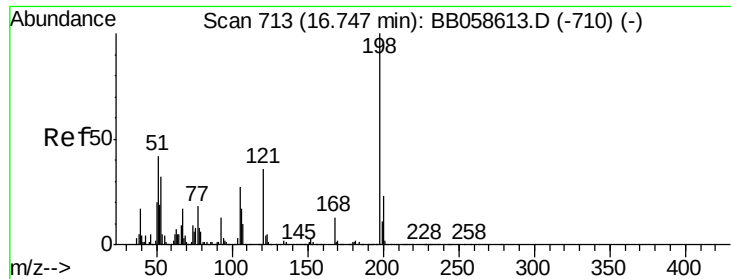
Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion:	138	Resp:	39952
Ion Ratio		Lower	Upper
138	100		
92	31.6	43.5	65.3#
108	71.9	80.3	120.5#





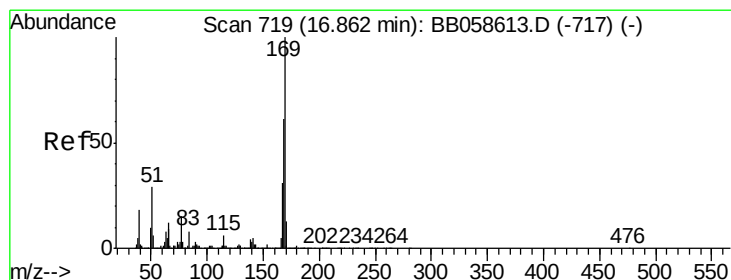
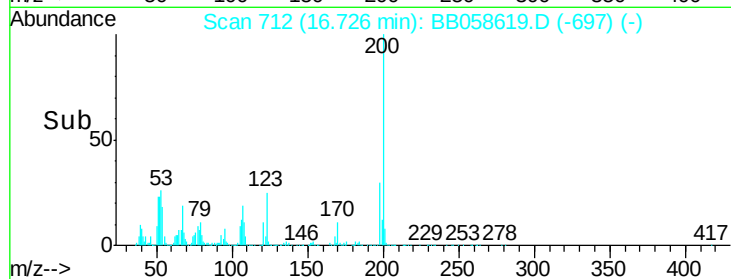
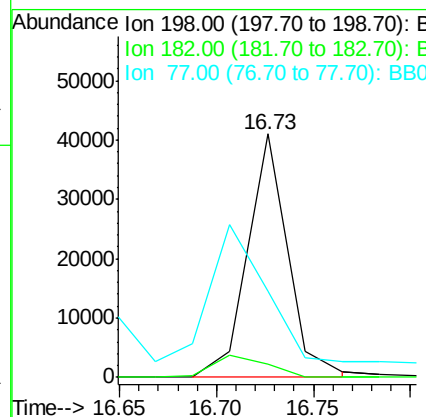
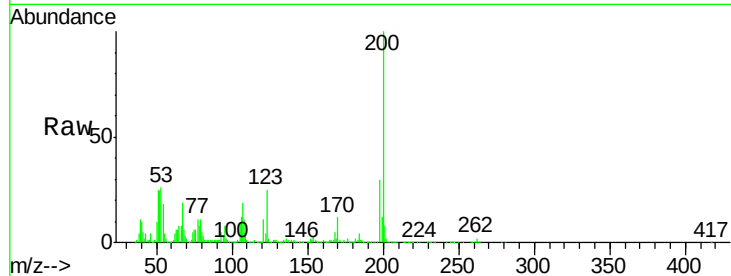
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.70 ng/ul
 RT: 16.73 min Scan# 712
 Delta R.T. -0.02 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Instrument :
 BNA_B
 ClientSampleId :
 MDL-05-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
182	5.5	3.3	4.9#
77	35.3	21.8	32.6#

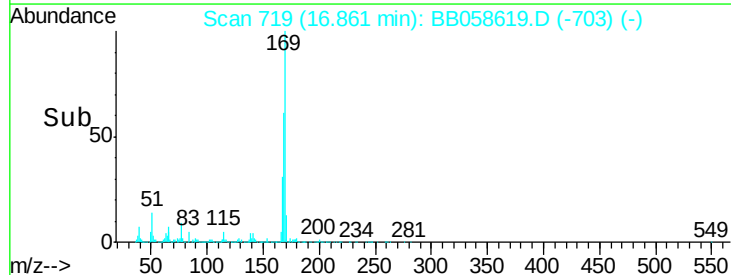
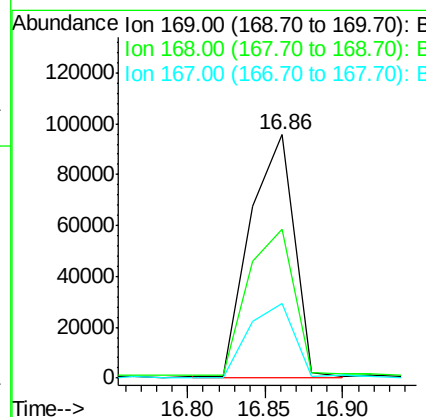
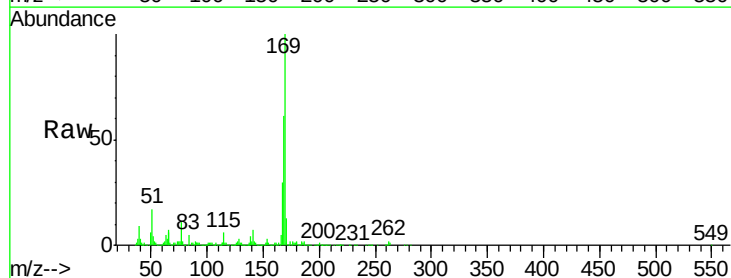
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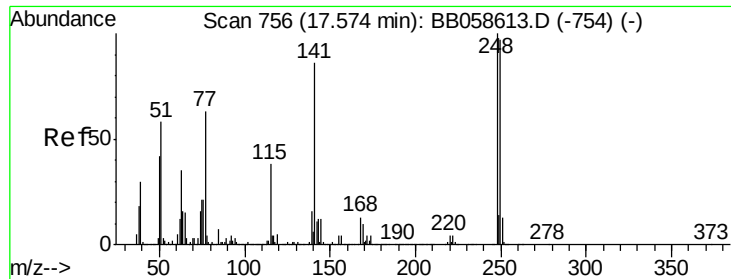
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#64
 N-Nitrosodiphenylamine
 Concen: 2.95 ng/ul
 RT: 16.86 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: BB058619.D
 Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	61.3	52.6	79.0
167	30.5	28.6	43.0





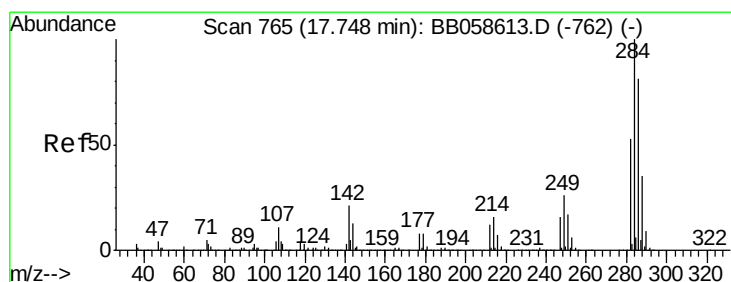
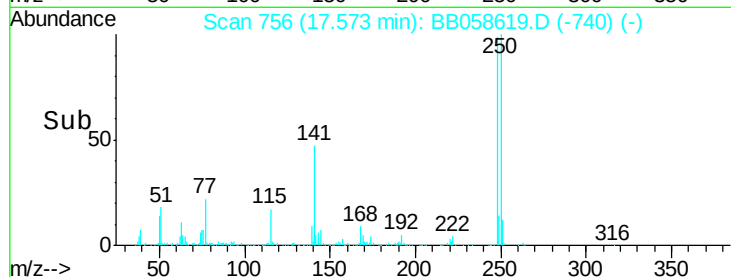
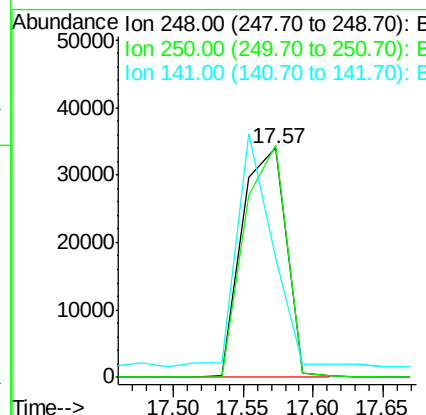
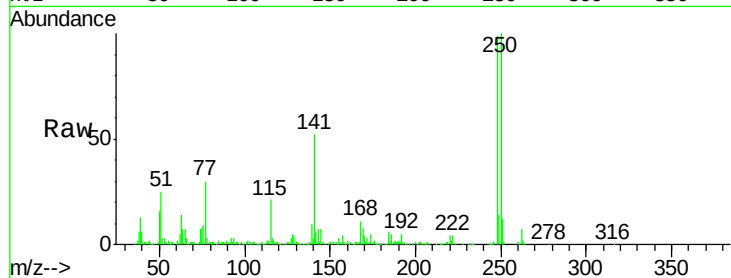
#65
4-Bromophenyl-phenylether
Concen: 2.89 ng/ul m
RT: 17.57 min Scan# 756
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampled :
MDL-05-W

Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.1	79.7	119.5
141	52.1	58.3	87.5

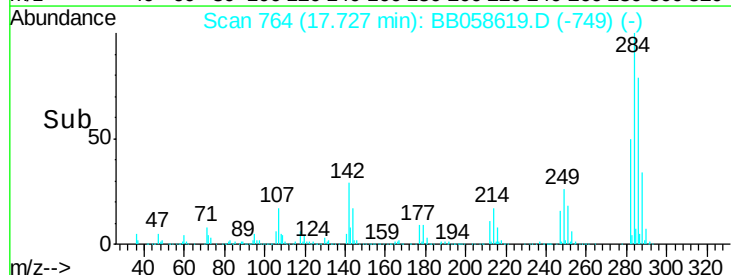
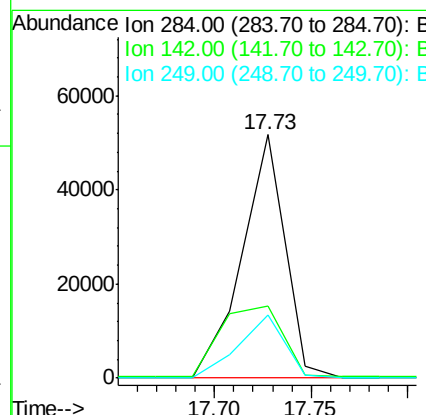
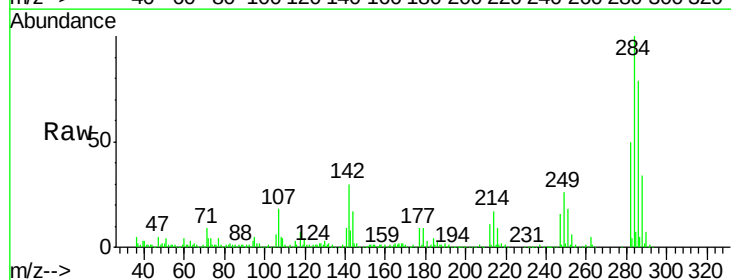
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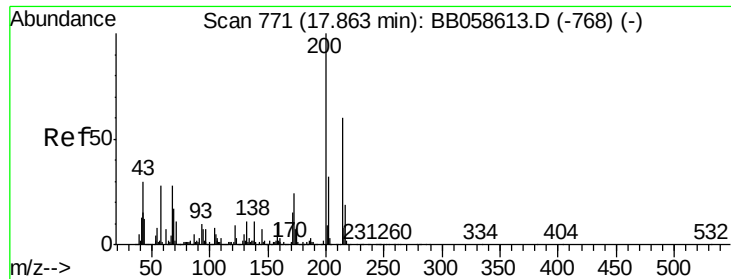
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#66
Hexachlorobenzene
Concen: 3.04 ng/ul
RT: 17.73 min Scan# 764
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.9	24.9	37.3
249	26.2	25.5	38.3





#67

Atrazine

Concen: 2.84 ng/ul m

RT: 17.84 min Scan# 770

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

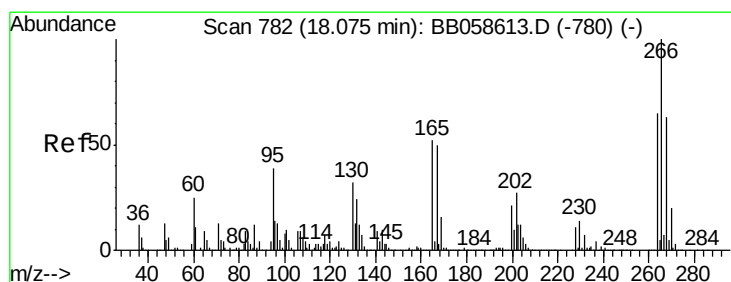
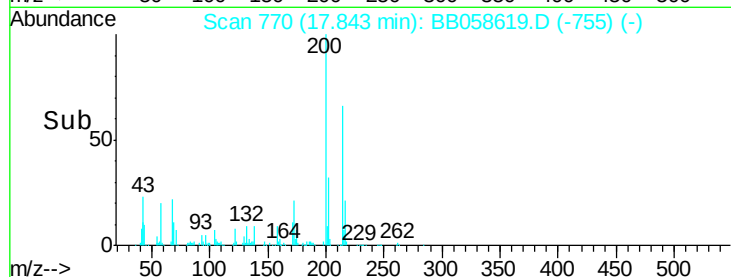
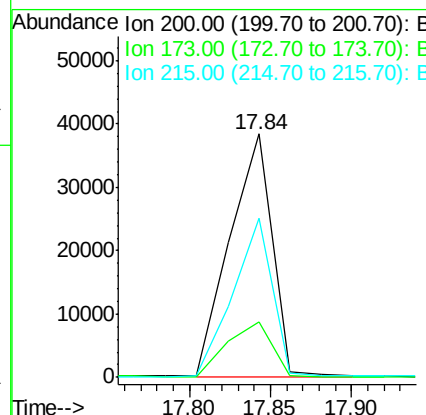
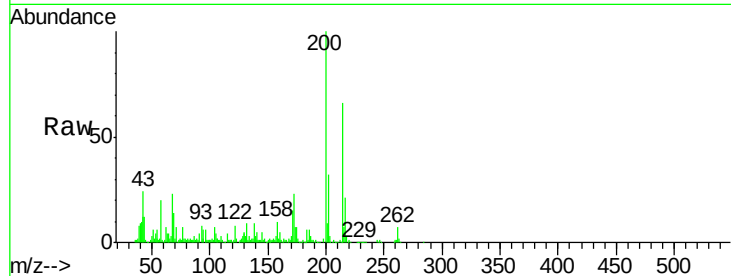
ClientSampleId :

MDL-05-W

Tgt Ion	Ratio	Lower	Upper
200	100		
173	22.8	18.9	28.3
215	65.6	39.5	59.3

Manual Integrations
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#68

Pentachlorophenol

Concen: 2.18 ng/ul

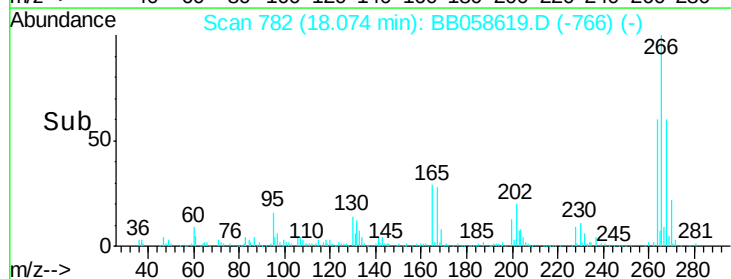
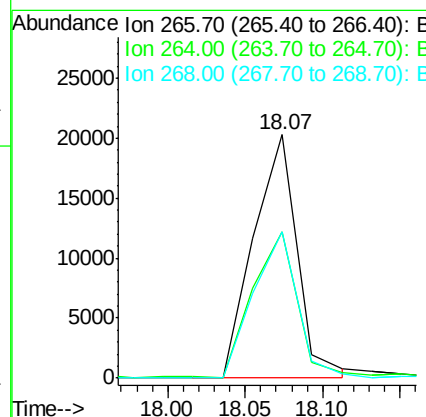
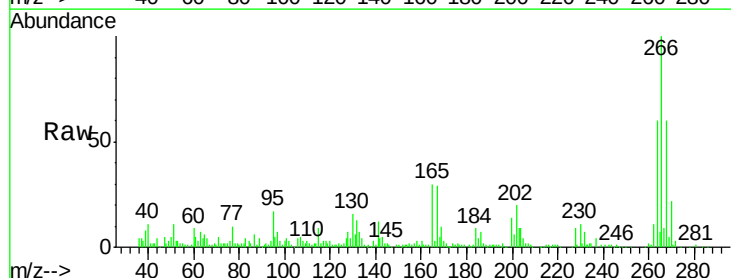
RT: 18.07 min Scan# 782

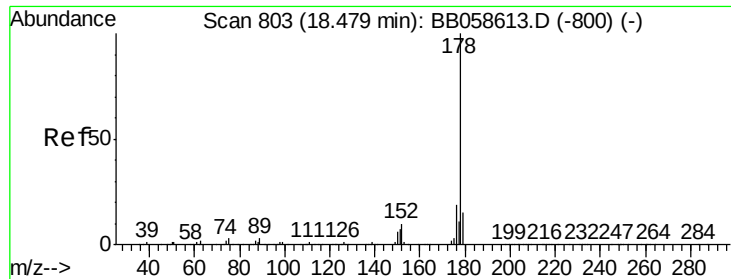
Delta R.T. -0.00 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.0	50.6	75.8
268	60.0	51.0	76.6





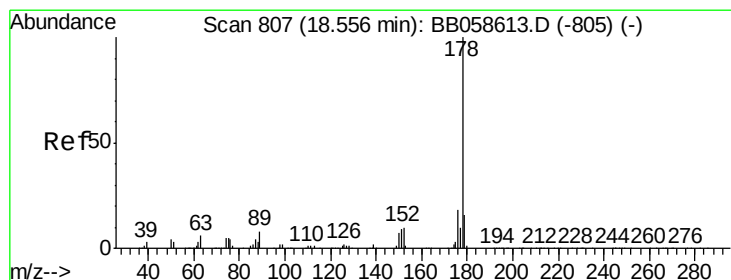
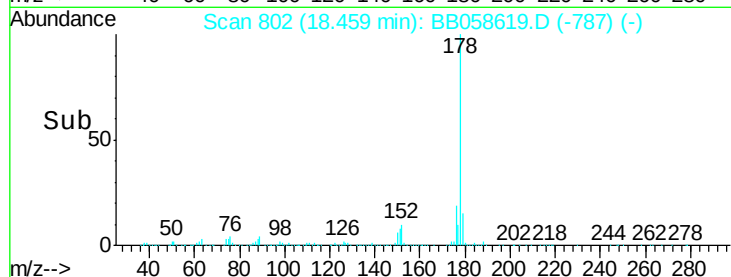
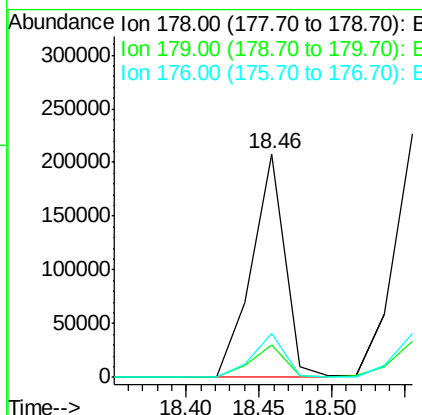
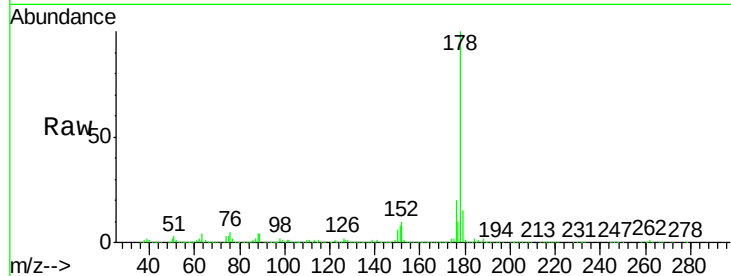
#69
Phenanthrene
Concen: 3.29 ng/ul m
RT: 18.46 min Scan# 802
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	332553		
179	14.7	12.2	18.2	
176	19.5	15.1	22.7	

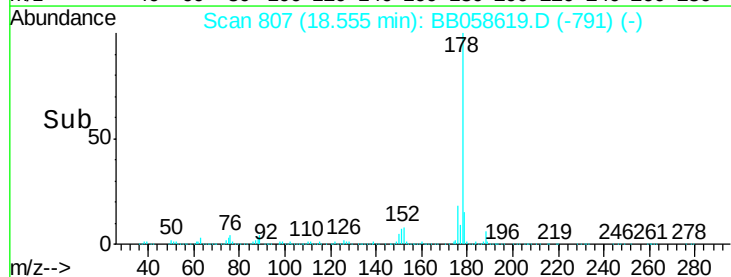
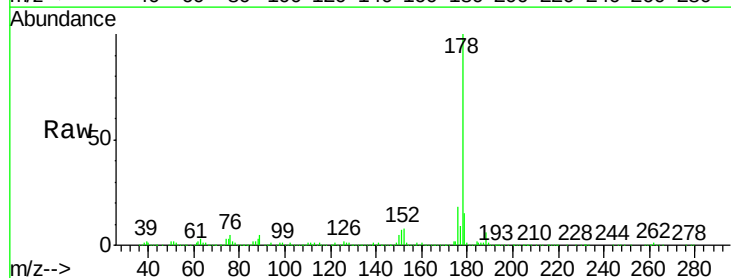
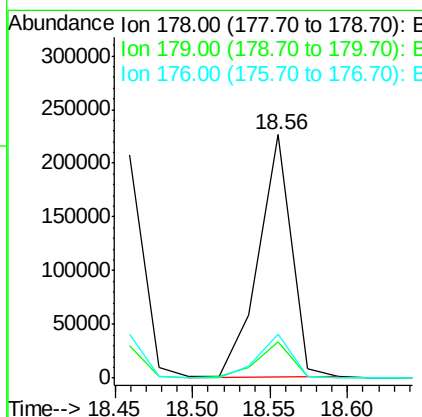
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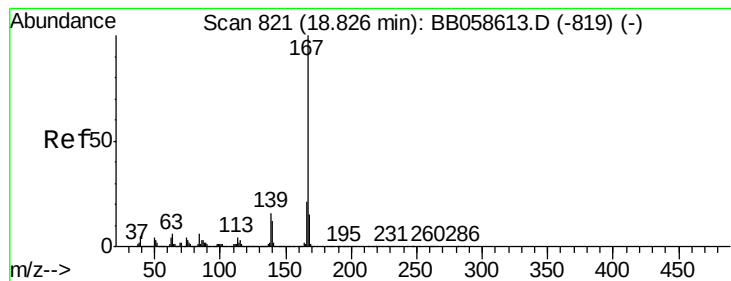
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#71
Anthracene
Concen: 3.27 ng/ul
RT: 18.56 min Scan# 807
Delta R.T. -0.00 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	337548		
179	15.0	12.1	18.1	
176	18.0	14.5	21.7	





#72

Carbazole

Concen: 3.14 ng/ul

RT: 18.81 min Scan# 820

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

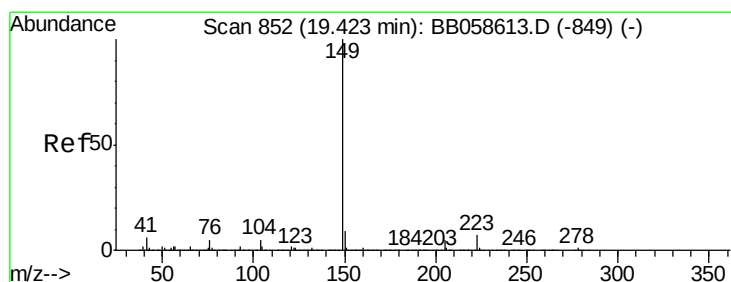
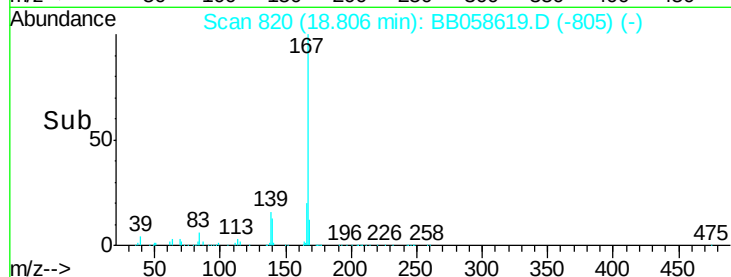
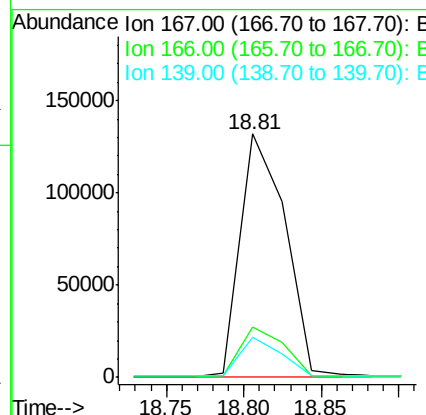
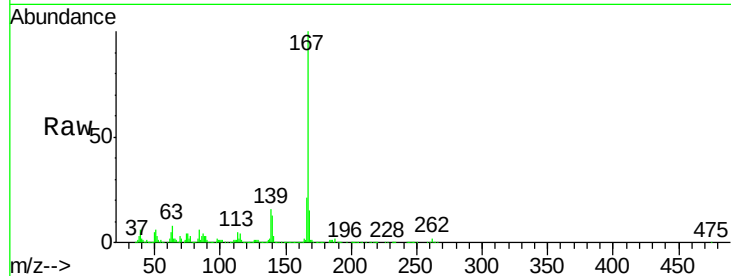
ClientSampleId :

MDL-05-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	20.9	16.6	25.0
139	16.3	10.2	15.4

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#73

Di-n-butylphthalate

Concen: 3.43 ng/ul

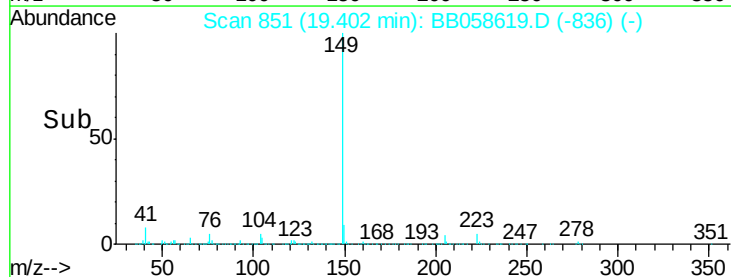
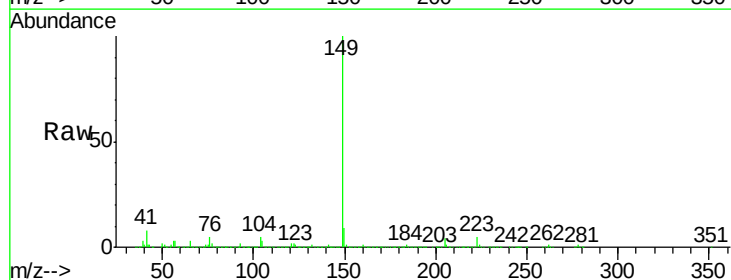
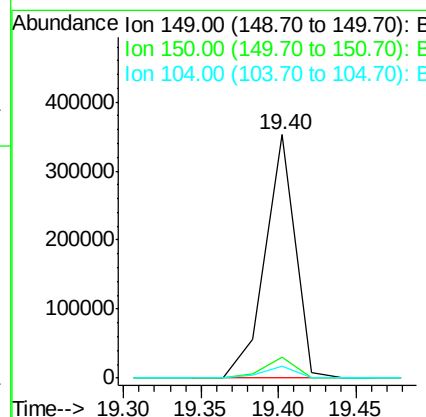
RT: 19.40 min Scan# 851

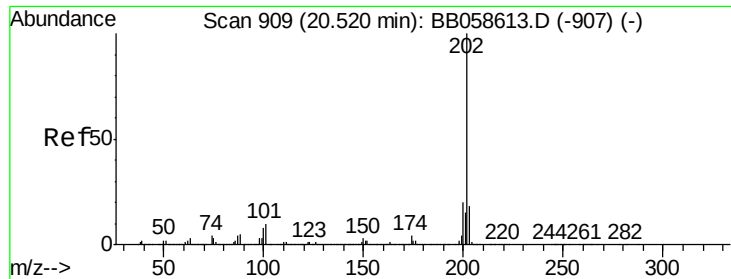
Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	8.8	7.6	11.4
104	5.1	4.6	7.0





#74

Fluoranthene

Concen: 3.34 ng/ul

RT: 20.50 min Scan# 908

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

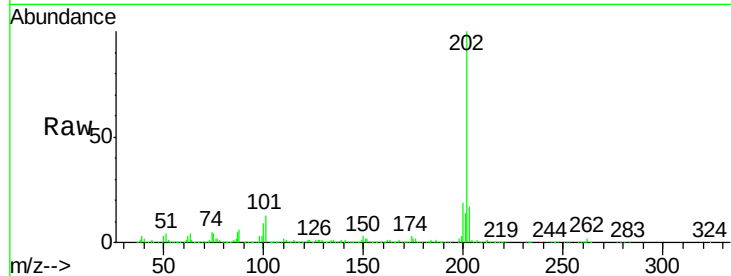
ClientSampleId :

MDL-05-W

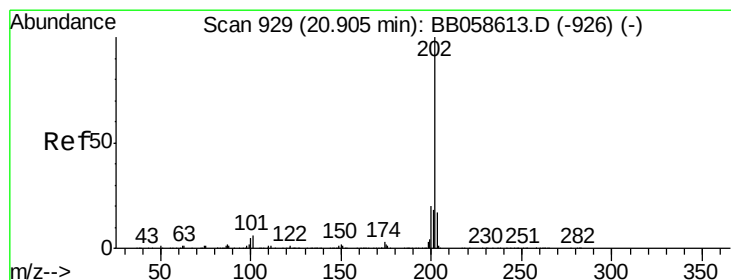
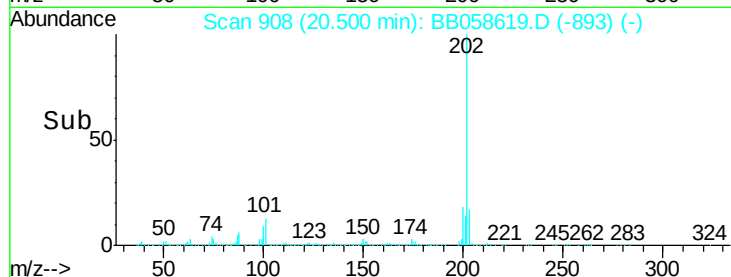
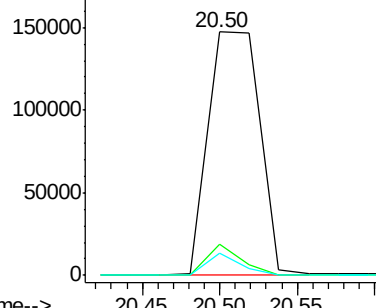
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		343537		
101	12.8	6.9	10.3#		
100	9.2	5.4	8.0#		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE



#77

Pyrene

Concen: 3.74 ng/ul

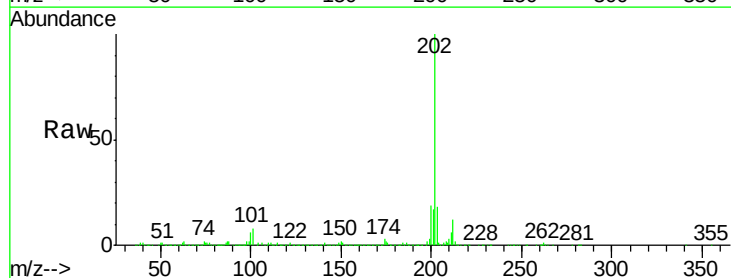
RT: 20.88 min Scan# 928

Delta R.T. -0.02 min

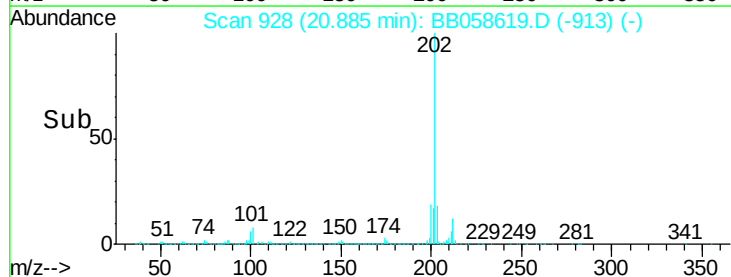
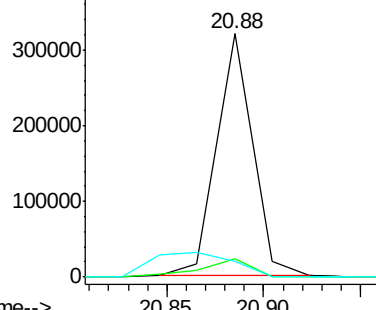
Lab File: BB058619.D

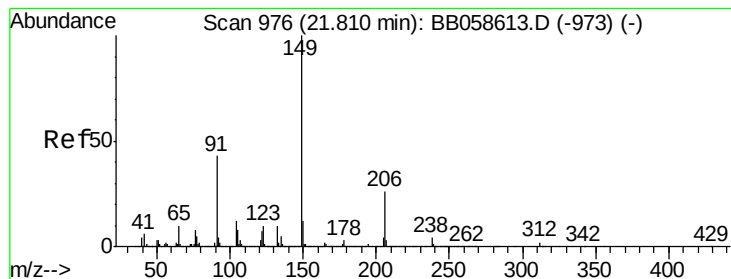
Acq: 12 Oct 2016 14:13

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		409217		
101	7.7	8.4	12.6#		
100	6.3	6.9	10.3#		



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): BE





#78

Butylbenzylphthalate

Concen: 2.82 ng/ul

RT: 21.79 min Scan# 975

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

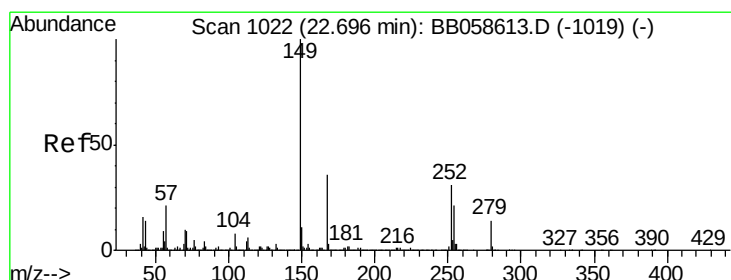
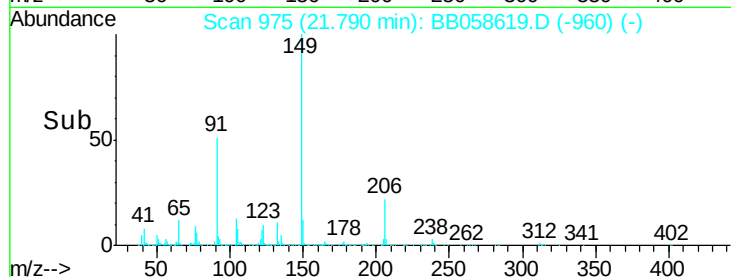
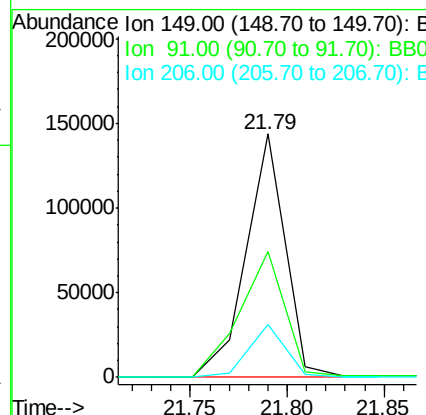
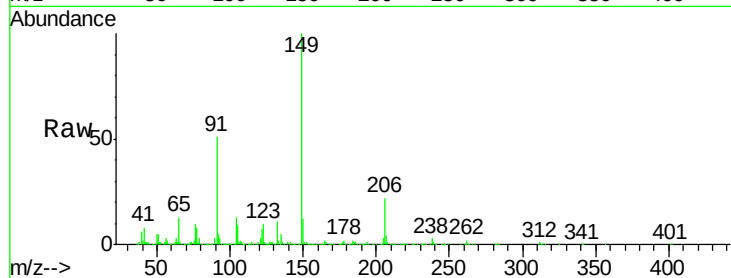
ClientSampleId :

MDL-05-W

Tgt Ion:	149	Resp:	199695
Ion Ratio	Lower	Upper	
149	100		
91	51.5	57.3	85.9#
206	21.8	18.6	27.8

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#79

3,3'-Dichlorobenzidine

Concen: 1.87 ng/ul

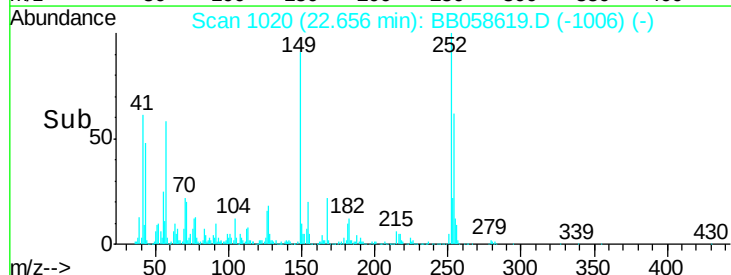
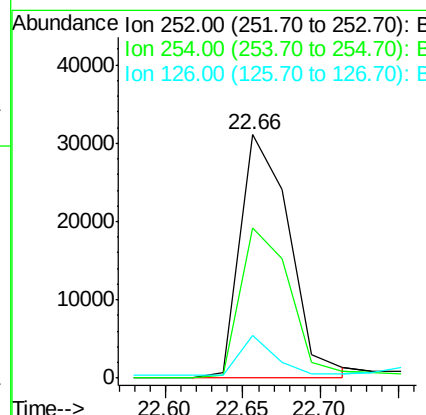
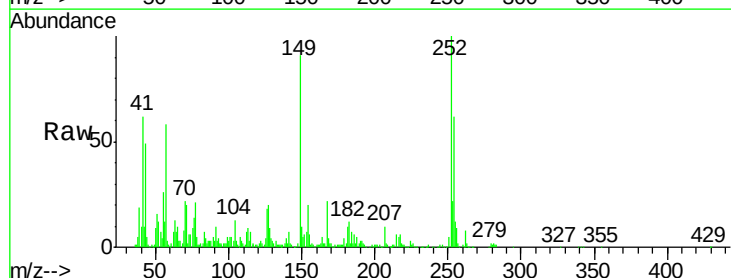
RT: 22.66 min Scan# 1020

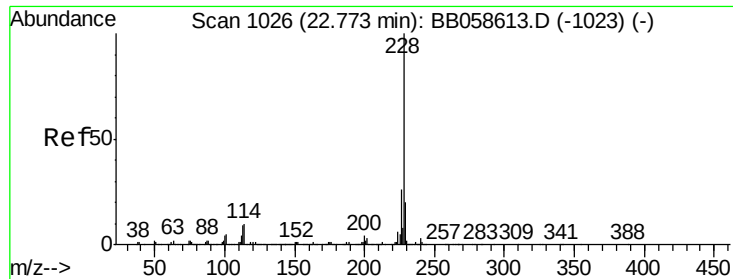
Delta R.T. -0.04 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion:	252	Resp:	69236
Ion Ratio	Lower	Upper	
252	100		
254	61.8	51.0	76.4
126	17.6	7.1	10.7#





#80

Benzo(a)anthracene

Concen: 3.36 ng/ul

RT: 22.75 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

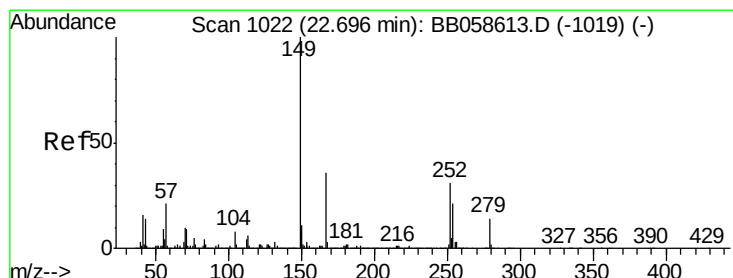
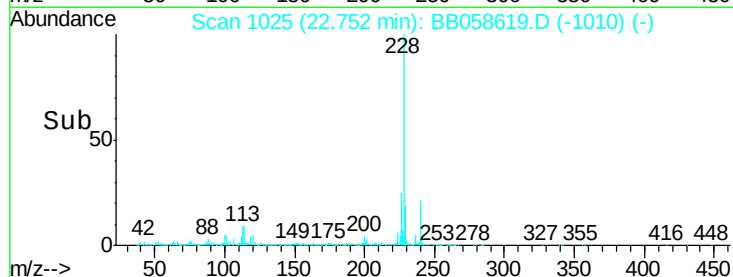
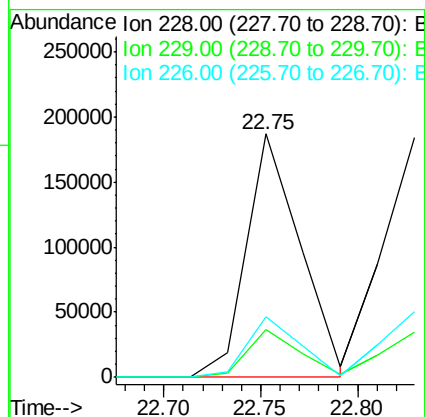
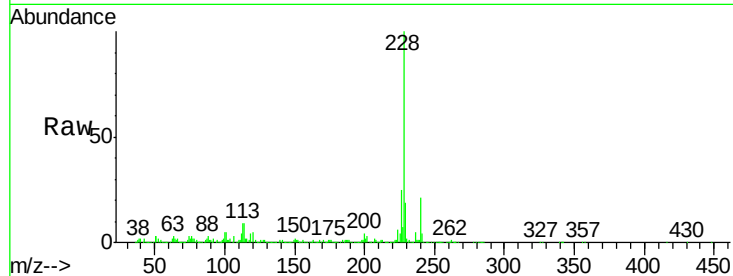
ClientSampled :

MDL-05-W

Tgt Ion:	228	Resp:	357482
Ion Ratio	Lower	Upper	
228	100		
229	19.4	15.6	23.4
226	25.1	21.8	32.8

Manual Integrations
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#81

Bis(2-ethylhexyl)phthalate

Concen: 2.98 ng/ul

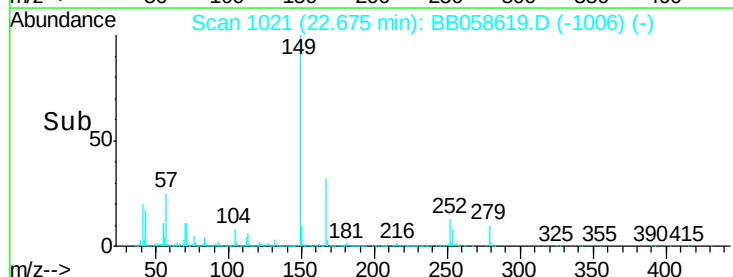
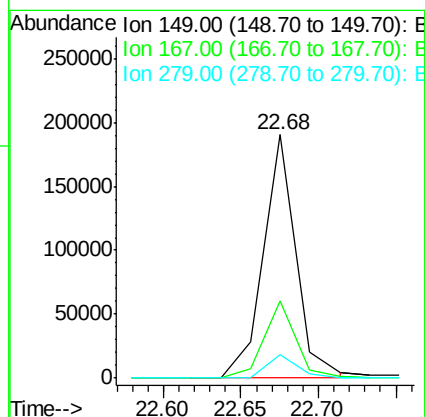
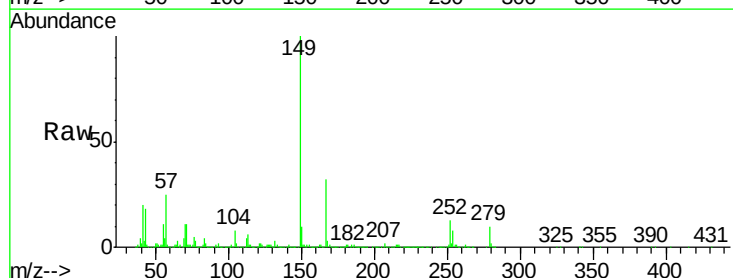
RT: 22.68 min Scan# 1021

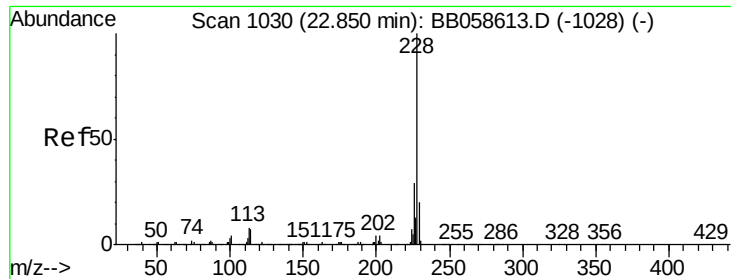
Delta R.T. -0.02 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion:	149	Resp:	280904
Ion Ratio	Lower	Upper	
149	100		
167	31.9	23.2	34.8
279	9.7	4.1	6.1#





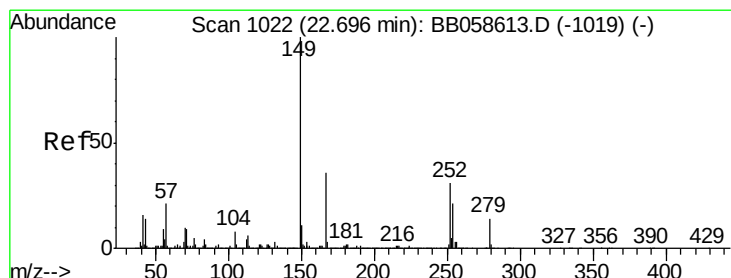
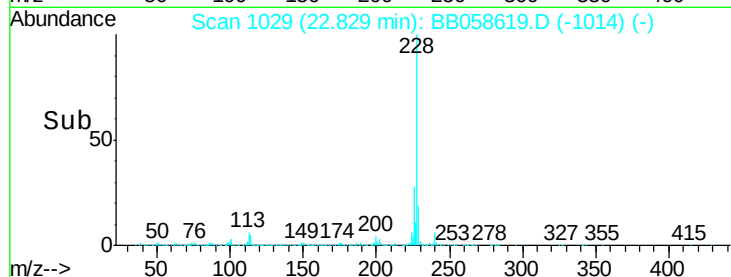
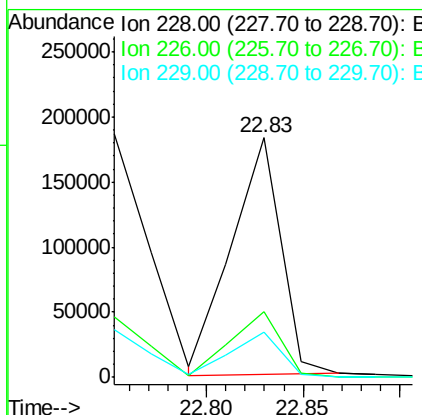
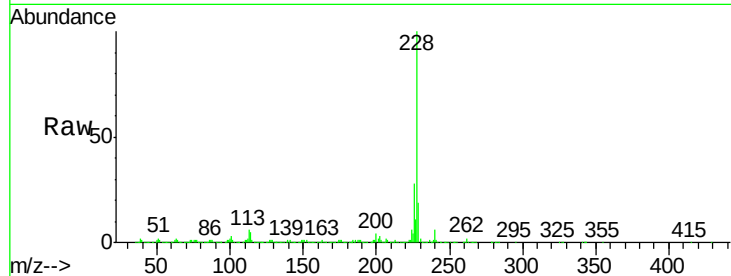
#82
Chrysene
Concen: 3.21 ng/ul
RT: 22.83 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	320910		
226	27.7		23.4	35.2
229	19.0		15.5	23.3

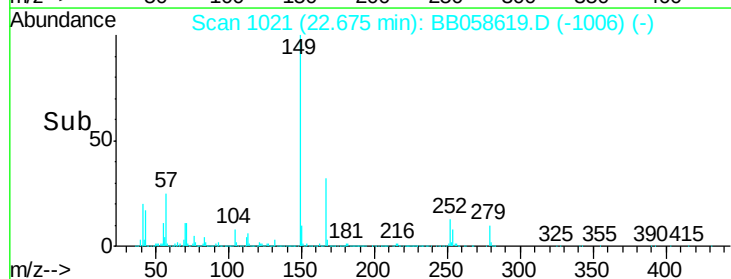
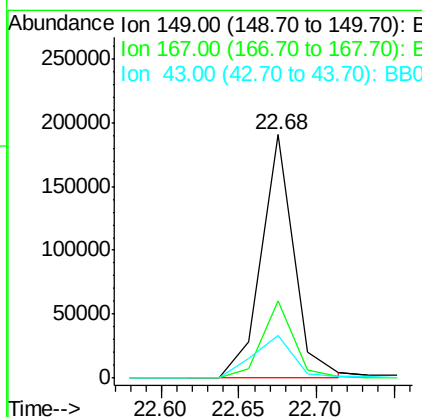
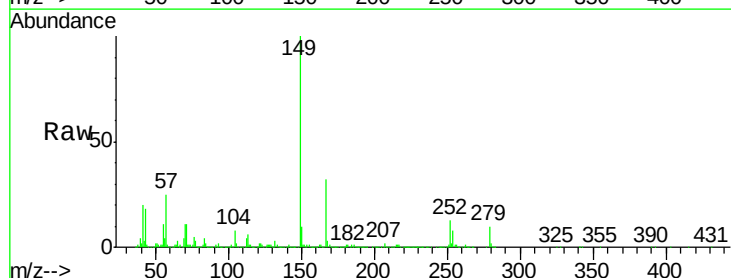
Manual Integrations
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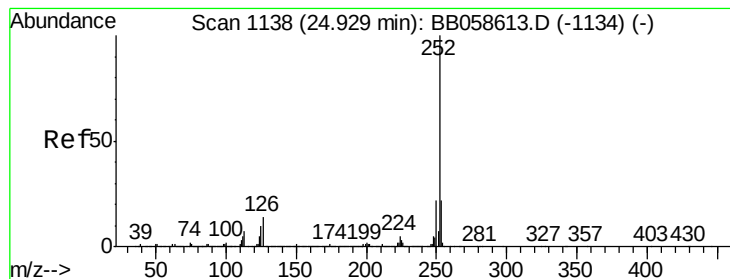
SOHIL
10/13/2016 11:12:37 AM



#84
Di-n-octyl phthalate
Concen: 3.20 ng/ul
RT: 22.68 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	280904		
167	31.9		1.3	1.9#
43	17.6		6.6	10.0#





#85

Benzo(b)fluoranthene

Concen: 2.78 ng/ul

RT: 24.89 min Scan# 1136

Delta R.T. -0.04 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Instrument :

BNA_B

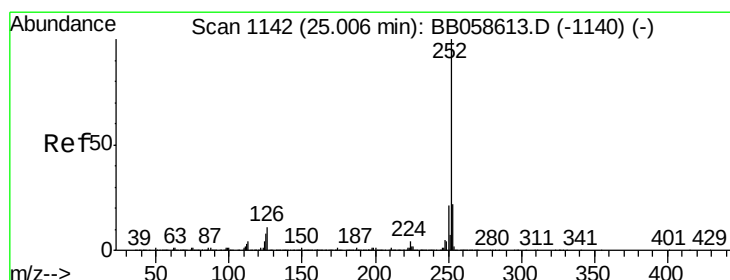
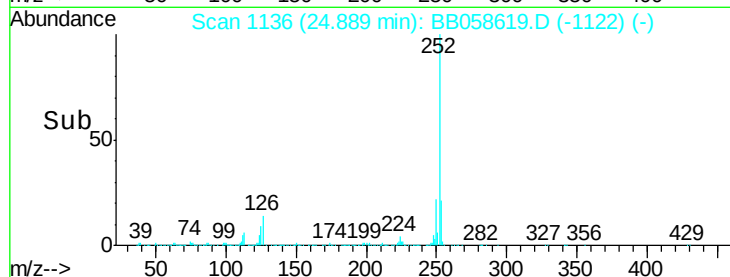
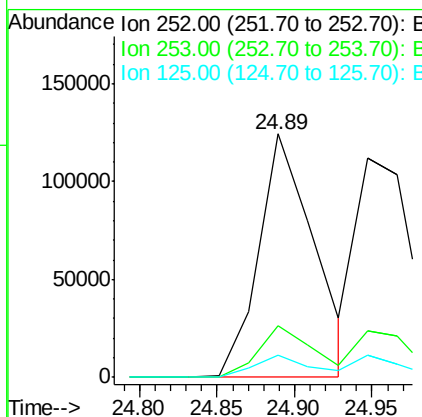
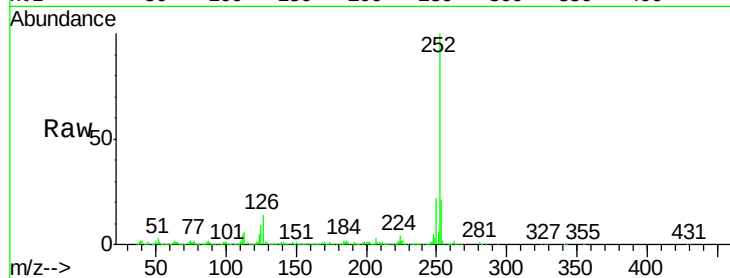
ClientSampleId :

MDL-05-W

Tgt Ion:	252	Resp:	310331
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.1	25.7
125	9.3	5.8	8.8#

Manual Integrations
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SOHIL
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#86

Benzo(k)fluoranthene

Concen: 3.20 ng/ul

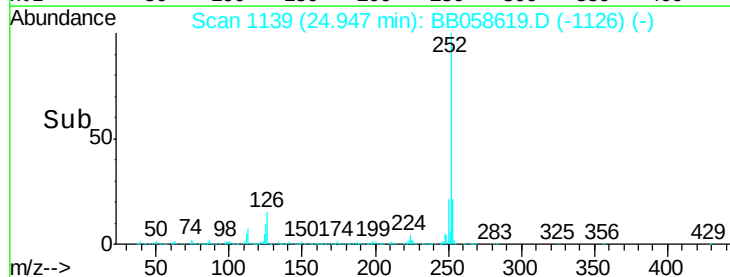
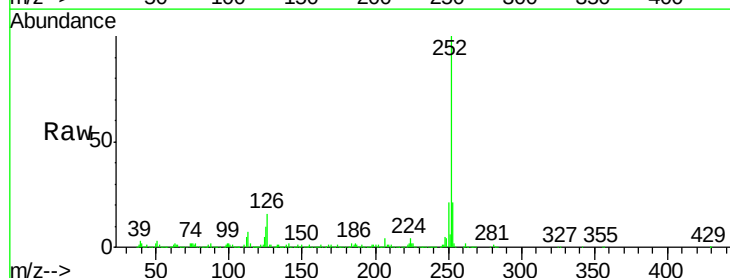
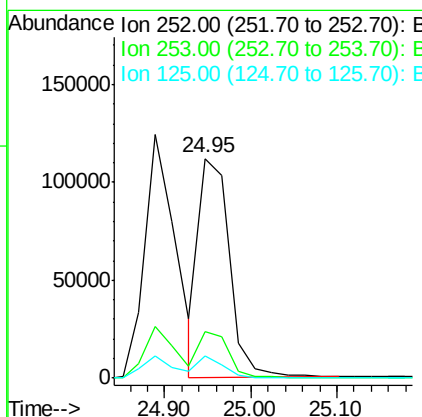
RT: 24.95 min Scan# 1139

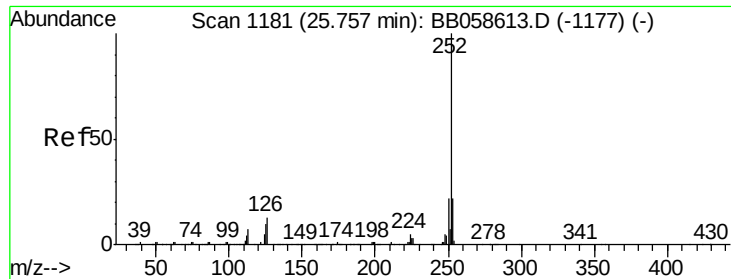
Delta R.T. -0.06 min

Lab File: BB058619.D

Acq: 12 Oct 2016 14:13

Tgt Ion:	252	Resp:	276576
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.6	26.4
125	10.1	5.7	8.5#





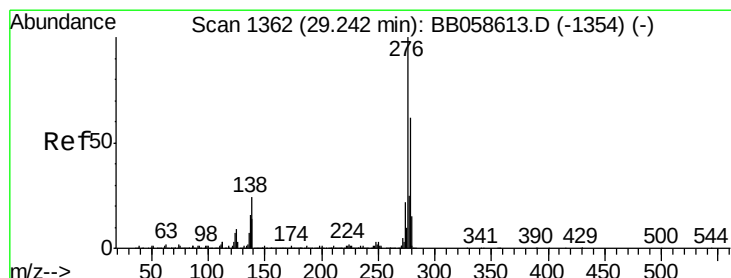
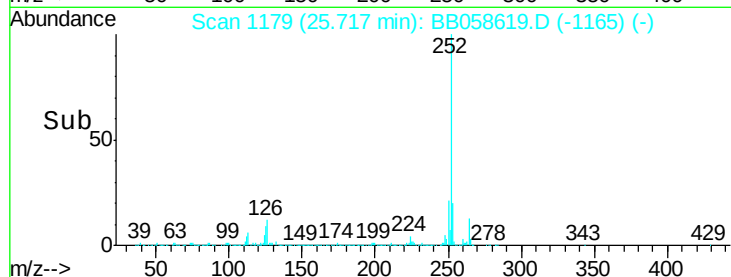
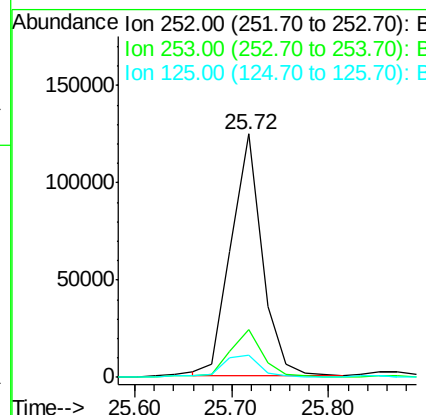
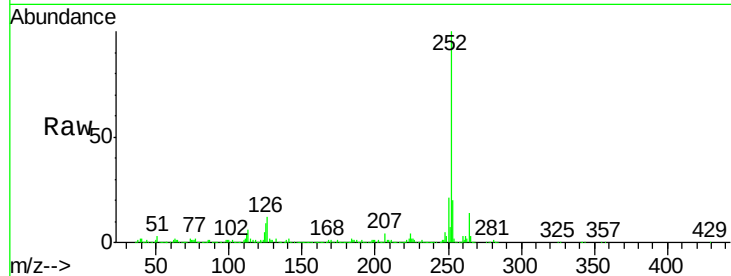
#88
Benzo(a)pyrene
Concen: 2.91 ng/ul
RT: 25.72 min Scan# 1179
Delta R.T. -0.04 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampleId :
MDL-05-W

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	272805		
253	19.7		17.7	26.5
125	8.9		6.6	9.8

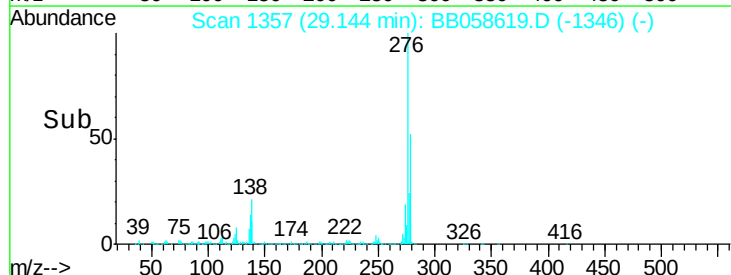
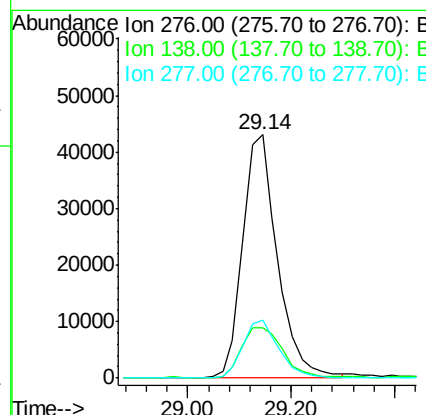
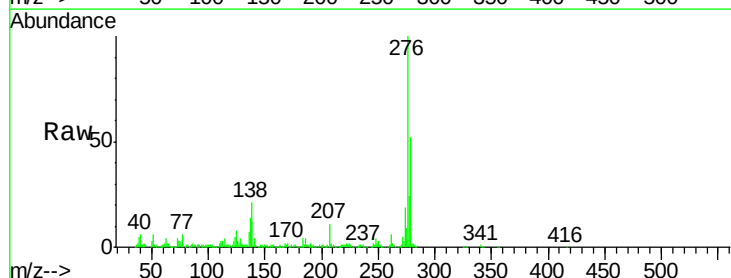
Manual Integrations
APPROVED

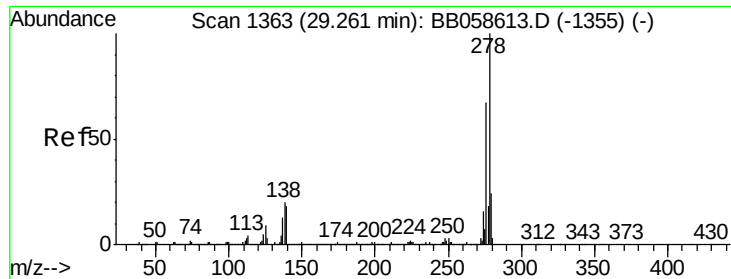
SOHIL
10/13/2016 11:12:37 AM



#89
Indeno(1,2,3-cd)pyrene
Concen: 2.47 ng/ul
RT: 29.14 min Scan# 1357
Delta R.T. -0.10 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	202397		
138	20.7		13.9	20.9
277	23.6		20.1	30.1





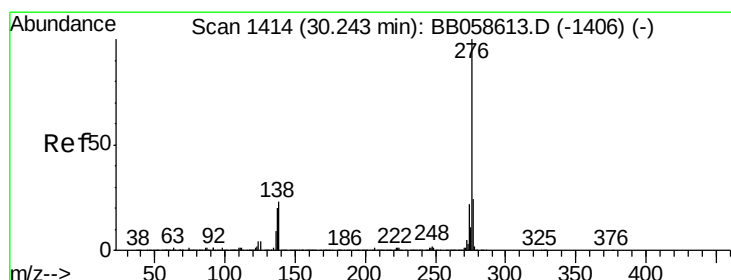
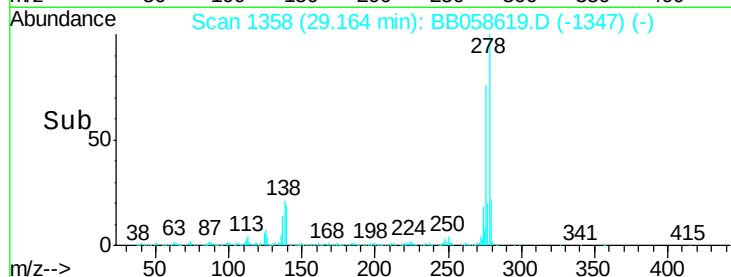
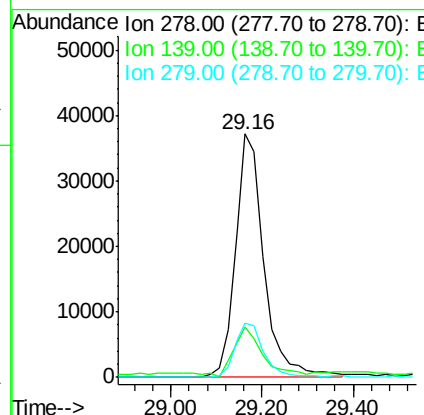
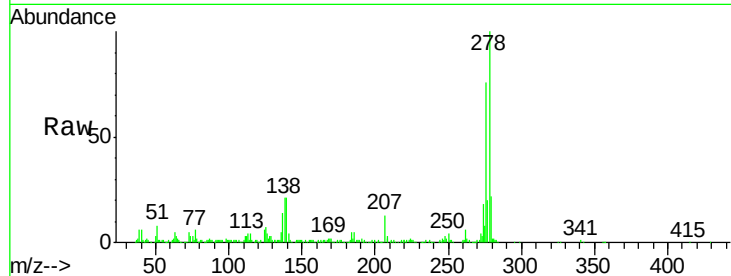
#90
Dibenzo(a,h)anthracene
Concen: 2.38 ng/ul
RT: 29.16 min Scan# 1358
Delta R.T. -0.10 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Instrument :
BNA_B
ClientSampled :
MDL-05-W

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	9.5	14.3#
279	22.3	19.1	28.7

Manual Integrations
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10/13/2016 11:12:37 AM



#91
Benzo(g,h,i)perylene
Concen: 2.58 ng/ul
RT: 30.13 min Scan# 1408
Delta R.T. -0.12 min
Lab File: BB058619.D
Acq: 12 Oct 2016 14:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	13.5	20.3#
277	20.3	19.3	28.9

