

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101816\
 Data File : BB058638.D
 Acq On : 18 Oct 2016 12:51
 Operator : UM/SJ
 Sample : MDL-02-S-ML
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S-ML

Manual Integrations
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 10/19/2016 1:46:44 PM

Quant Time: Oct 19 12:14:46 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 19 12:01:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	554581	20.00	ng/ul	-0.02
18) Naphthalene-d8	11.64	136	2103091	20.00	ng/ul	-0.02
35) Acenaphthene-d10	15.59	164	1188469	20.00	ng/ul	-0.02
61) Phenanthrene-d10	18.44	188	1977677	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	1964220	20.00	ng/ul	-0.02
83) Perylene-d12	25.89	264	1469884	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.67	96	97818	7.99	ng/uL	0.00
5) Phenol-d5	7.83	99	1406541	34.91	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.97	67	1036775	38.41	ng/ul	-0.02
9) 2-Chlorophenol-d4	8.22	132	1521615	36.41	ng/ul	0.00
13) 4-Methylphenol-d8	9.47	113	1178823	35.35	ng/ul	-0.02
19) Nitrobenzene-d5	9.91	128	778698	35.81	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.68	143	888049	37.95	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	11.26	165	1165872	35.16	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.78	131	1596001	39.98	ng/ul	0.00
43) Dimethylphthalate-d6	14.97	166	3076559	38.93	ng/ul	0.00
46) Acenaphthylene-d8	15.28	160	3640404	39.06	ng/ul	0.00
51) 4-Nitrophenol-d4	15.78	143	573494	31.60	ng/ul	-0.02
57) Fluorene-d10	16.63	176	2589447	40.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.73	200	638800	30.42	ng/ul	-0.02
70) Anthracene-d10	18.53	188	3143464	35.54	ng/ul	0.00
76) Pyrene-d10	20.88	212	3722746	43.13	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.68	264	2578021	38.41	ng/ul	0.00

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.71	88	13517	1.11	ng/uL#	76
4) Benzaldehyde	7.75	77	79397	3.06	ng/ul	83
6) Phenol	7.85	94	129122	3.24	ng/ul#	39
8) Bis(2-Chloroethyl)ether	8.06	93	118275	3.59	ng/ul#	78
10) 2-Chlorophenol	8.23	128	133346	3.35	ng/ul#	78
11) 2-Methylphenol	9.18	108	103966	3.24	ng/ul	94
12) 2,2'-oxybis(1-Chloropropan	9.27	45	226462	3.91	ng/ul#	88
14) Acetophenone	9.56	105	158885	3.26	ng/ul#	84
15) N-Nitroso-di-n-propylamine	9.56	70	98835	3.42	ng/ul#	56
16) 4-Methylphenol	9.52	108	107913	3.11	ng/ul	99
17) Hexachloroethane	9.85	117	63123	3.28	ng/ul#	66
20) Nitrobenzene	9.95	77	143140	3.51	ng/ul#	96
21) Isophorone	10.51	82	273242	3.47	ng/ul#	98
23) 2-Nitrophenol	10.72	139	78756	3.23	ng/ul	91
24) 2,4-Dimethylphenol	10.78	107	130215	3.26	ng/ul	98
25) Bis(2-Chloroethoxy)methane	11.01	93	128702	3.39	ng/ul#	96
27) 2,4-Dichlorophenol	11.28	162	108368	3.26	ng/ul#	85
28) Naphthalene	11.70	128	349587	3.49	ng/ul	99
30) 4-Chloroaniline	11.80	127	141303	3.73	ng/ul	99
31) Hexachlorobutadiene	12.05	225	71334	3.14	ng/ul	98
32) Caprolactam	12.62	113	33482m	2.77	ng/ul	
33) 4-Chloro-3-methylphenol	12.95	107	107386	3.24	ng/ul	98
34) 2-Methylnaphthalene	13.34	142	229597	3.32	ng/ul	97

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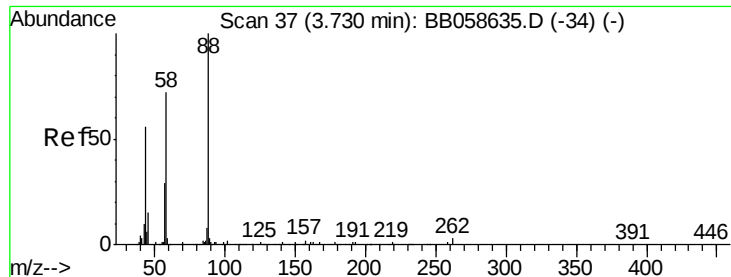
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 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.74	216	120015	3.29	ng/ul#	98
37) Hexachlorocyclopentadiene	13.74	237	46058	2.00	ng/ul#	96
38) 2,4,6-Trichlorophenol	13.97	196	69232	3.12	ng/ul	99
39) 2,4,5-Trichlorophenol	14.05	196	72594	3.08	ng/ul	97
40) 1,1'-Biphenyl	14.38	154	268096	3.36	ng/ul	98
41) 2-Chloronaphthalene	14.41	162	204221	3.22	ng/ul	93
42) 2-Nitroaniline	14.61	65	82124	3.37	ng/ul#	83
44) Dimethylphthalate	15.01	163	272208	3.45	ng/ul#	96
45) 2,6-Dinitrotoluene	15.13	165	63178	3.16	ng/ul	95
47) Acenaphthylene	15.30	152	336133	3.72	ng/ul	100
48) 3-Nitroaniline	14.61	138	79665	3.05	ng/ul#	45
49) Acenaphthene	15.65	153	208894	3.37	ng/ul	95
50) 2,4-Dinitrophenol	15.67	184	23619	1.66	ng/ul#	1
52) 4-Nitrophenol	15.80	109	50002	3.39	ng/ul#	82
53) Dibenzofuran	15.99	168	305325	3.45	ng/ul#	85
54) 2,4-Dinitrotoluene	15.94	165	87928	3.16	ng/ul#	58
55) 2,3,4,6-Tetrachlorophenol	16.24	232	63020	3.06	ng/ul#	86
56) Diethylphthalate	16.44	149	294742	3.59	ng/ul	97
58) Fluorene	16.67	166	232619	3.23	ng/ul	91
59) 4-Chlorophenyl-phenylether	16.67	204	120099	3.11	ng/ul	92
60) 4-Nitroaniline	16.67	138	41701	2.02	ng/ul#	82
63) 4,6-Dinitro-2-methylphenol	16.74	198	63304	3.02	ng/ul#	43
64) N-Nitrosodiphenylamine	16.88	169	198915	3.12	ng/ul	93
65) 4-Bromophenyl-phenylether	17.59	248	72474	2.86	ng/ul	92
66) Hexachlorobenzene	17.75	284	75491	2.97	ng/ul#	86
67) Atrazine	17.86	200	70757	2.91	ng/ul	89
68) Pentachlorophenol	18.09	266	38018	2.11	ng/ul	98
69) Phenanthrene	18.48	178	334660	3.40	ng/ul	99
71) Anthracene	18.57	178	358356	3.56	ng/ul	99
72) Carbazole	18.84	167	274439	3.27	ng/ul	99
73) Di-n-butylphthalate	19.42	149	491838	3.58	ng/ul	98
74) Fluoranthene	20.52	202	336919	3.36	ng/ul#	85
77) Pyrene	20.90	202	427439	4.16	ng/ul	96
78) Butylbenzylphthalate	21.81	149	198015	2.98	ng/ul#	79
79) 3,3'-Dichlorobenzidine	22.67	252	62307	1.80	ng/ul#	96
80) Benzo(a)anthracene	22.77	228	348597	3.49	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	22.69	149	282170	3.19	ng/ul#	93
82) Chrysene	22.85	228	308302	3.29	ng/ul	97
84) Di-n-octyl phthalate	22.69	149	282170	3.69	ng/ul#	70
85) Benzo(b)fluoranthene	24.91	252	303053	3.12	ng/ul#	95
86) Benzo(k)fluoranthene	24.97	252	245611	3.26	ng/ul#	94
88) Benzo(a)pyrene	25.74	252	247207	3.03	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.14	276	179202	2.51	ng/ul#	89
90) Dibenzo(a,h)anthracene	29.18	278	137468	2.32	ng/ul#	87
91) Benzo(g,h,i)perylene	30.14	276	143333	2.54	ng/ul#	90

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



#2

1,4-Dioxane

Concen: 1.11 ng/uL

RT: 3.71 min Scan# 36

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

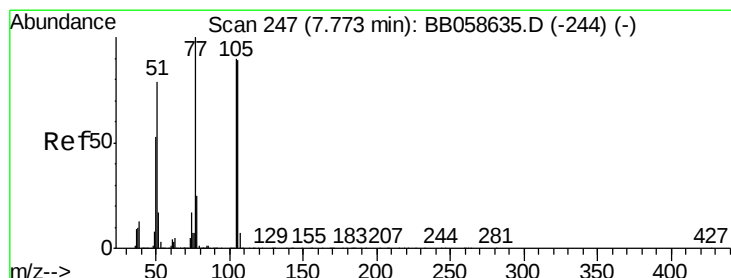
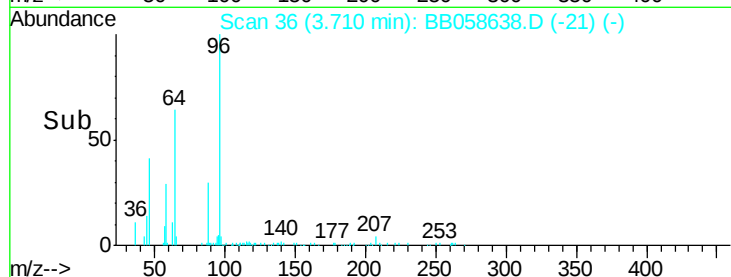
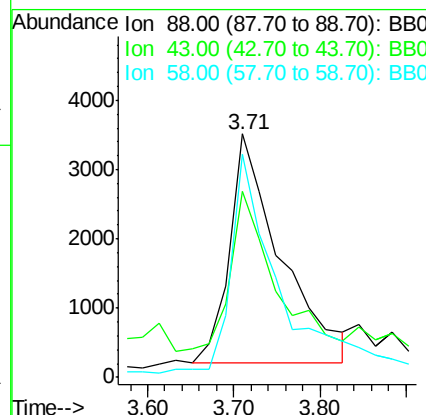
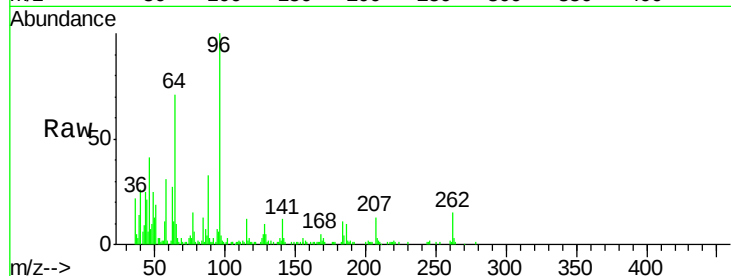
ClientSampleId :

MDL-02-S-ML

Tgt Ion:	88	Resp:	13517
Ion Ratio	Lower	Upper	
88	100		
43	64.2	22.6	34.0#
58	66.4	57.3	85.9

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#4

Benzaldehyde

Concen: 3.06 ng/uL

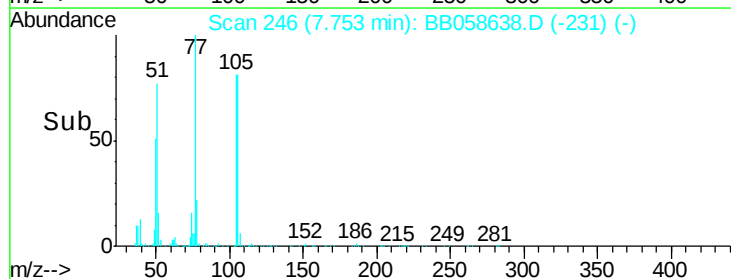
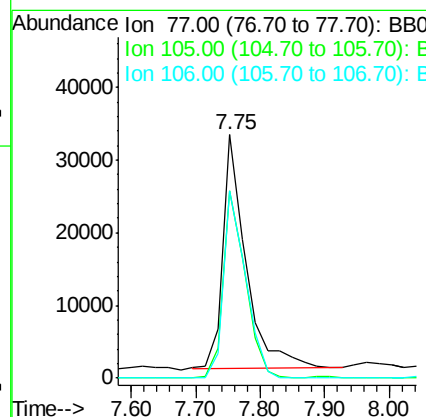
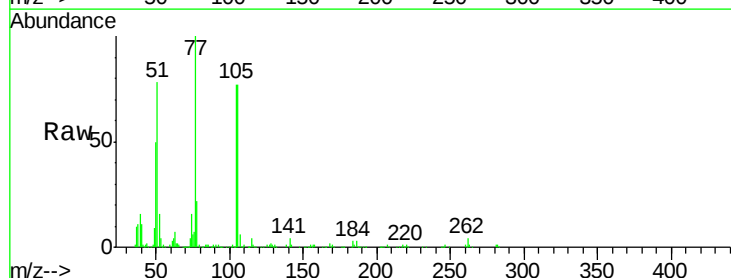
RT: 7.75 min Scan# 246

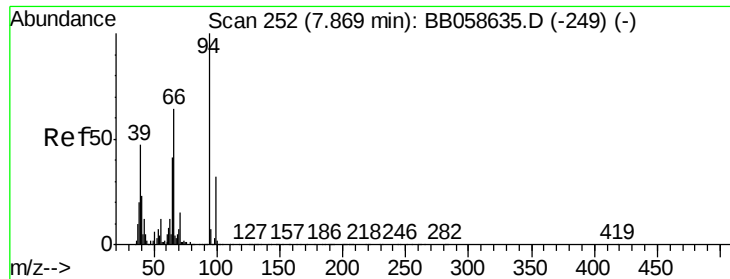
Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:	77	Resp:	79397
Ion Ratio	Lower	Upper	
77	100		
105	77.1	76.9	115.3
106	77.1	71.8	107.8





#6

Phenol

Concen: 3.24 ng/ul

RT: 7.85 min Scan# 251

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

ClientSampleId :

MDL-02-S-ML

Tgt Ion: 94 Resp: 129122

Ion Ratio Lower Upper

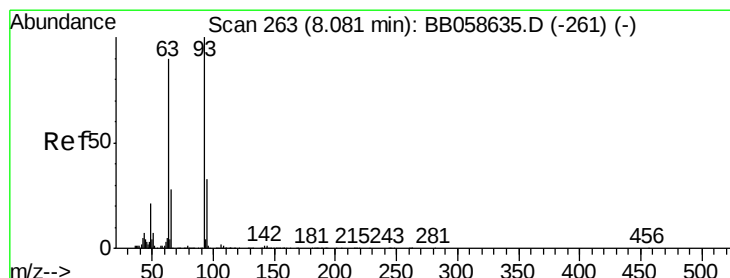
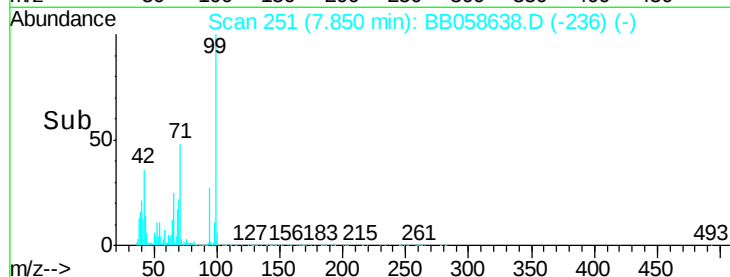
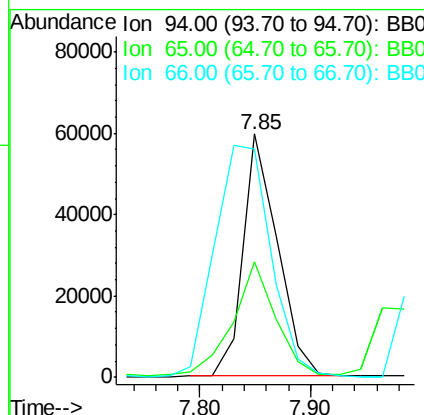
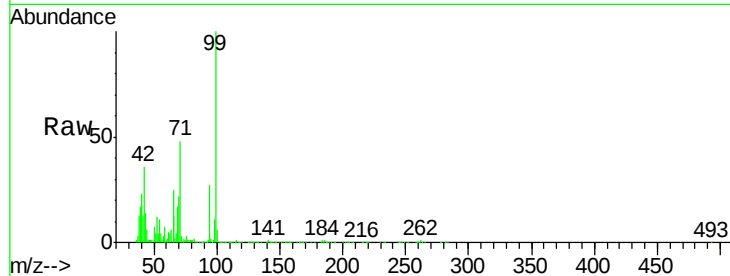
94 100

65 47.7 23.9 35.9#

66 93.5 33.5 50.3#

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#8

Bis(2-Chloroethyl)ether

Concen: 3.59 ng/ul

RT: 8.06 min Scan# 262

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

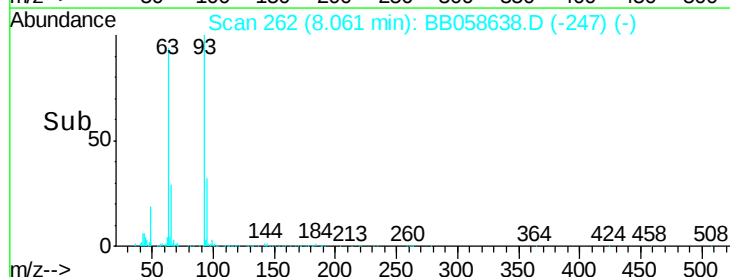
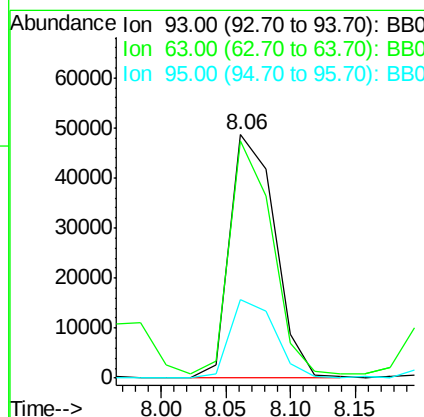
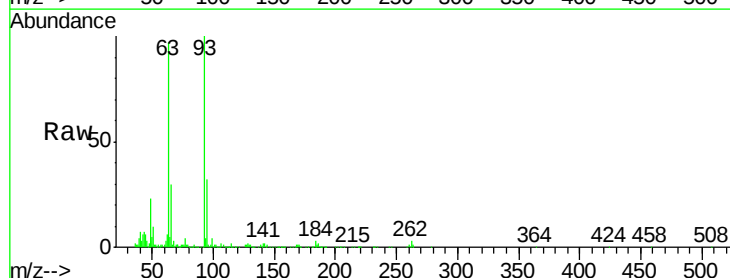
Tgt Ion: 93 Resp: 118275

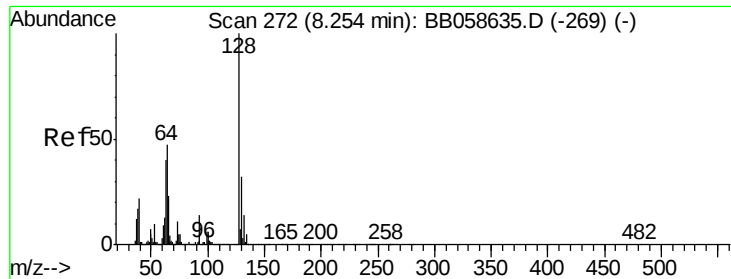
Ion Ratio Lower Upper

93 100

63 97.5 57.3 85.9#

95 32.2 25.1 37.7





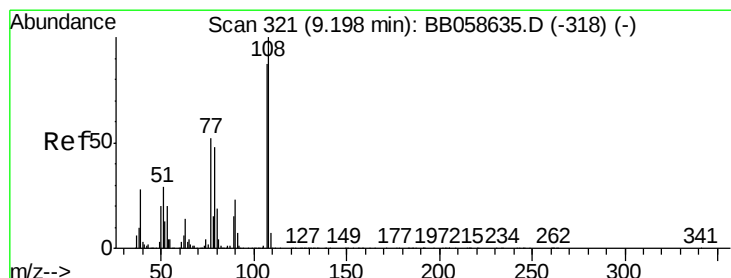
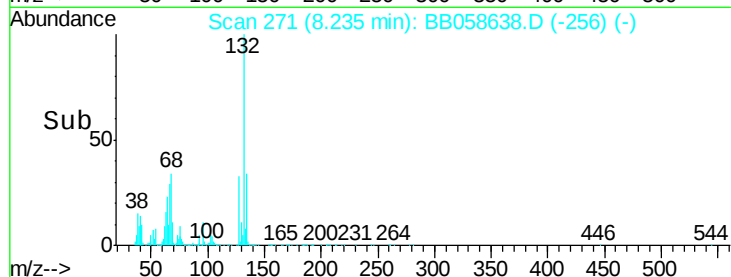
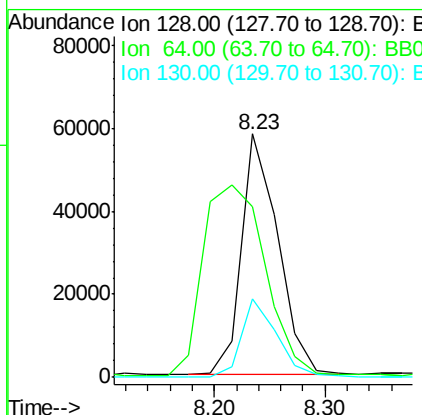
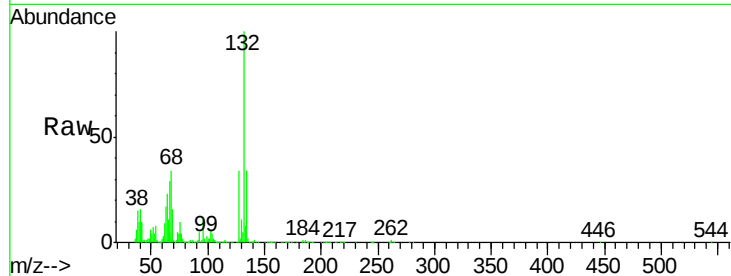
#10
2-Chlorophenol
Concen: 3.35 ng/ul
RT: 8.23 min Scan# 271
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

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ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	133346		
64	70.1	37.5	56.3	
130	32.2	25.0	37.4	

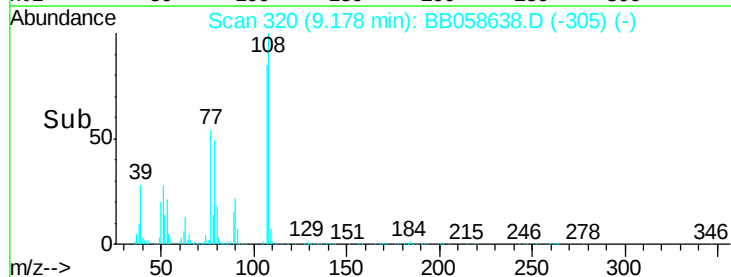
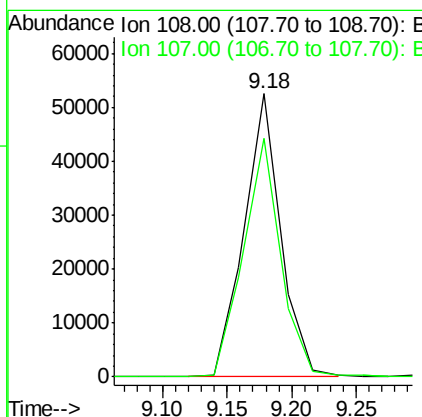
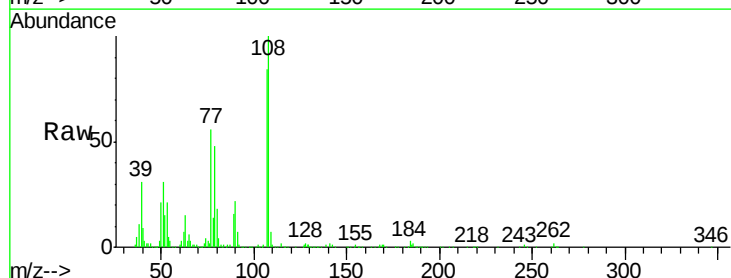
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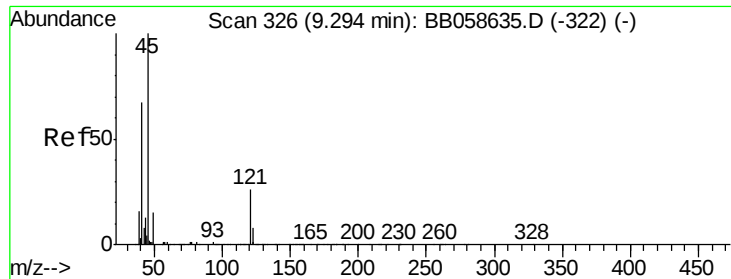
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#11
2-Methylphenol
Concen: 3.24 ng/ul
RT: 9.18 min Scan# 320
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	103966		
107	84.5	71.8	107.6	





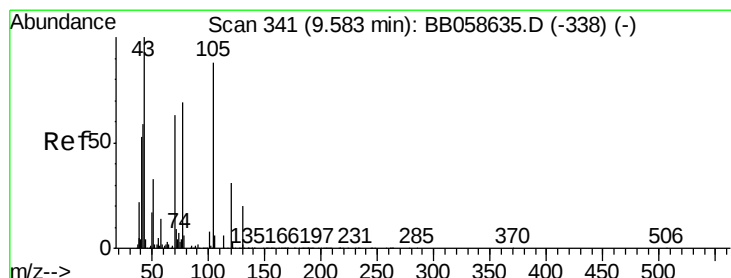
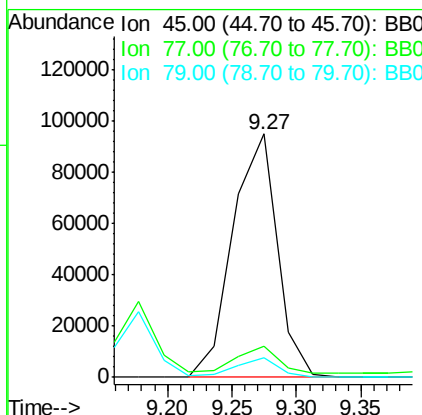
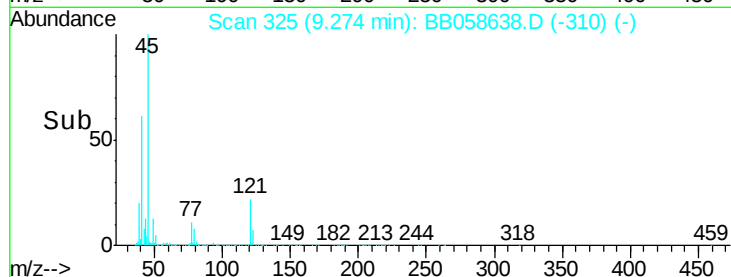
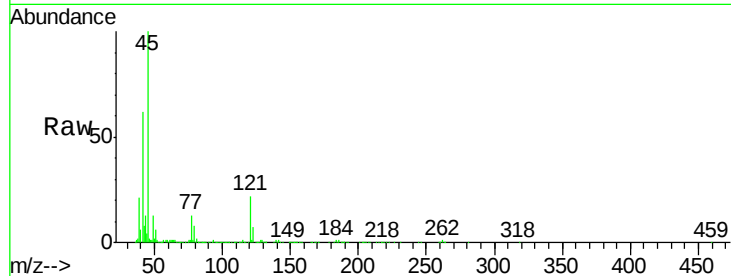
#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 3.91 ng/ul
 RT: 9.27 min Scan# 325
 Delta R.T. -0.02 min
 Lab File: BB058638.D
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Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.9	14.1	21.1#
79	7.9	10.4	15.6#

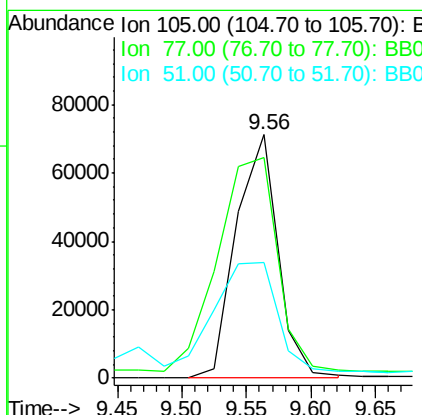
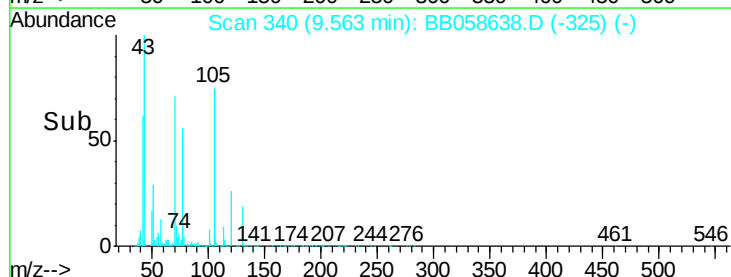
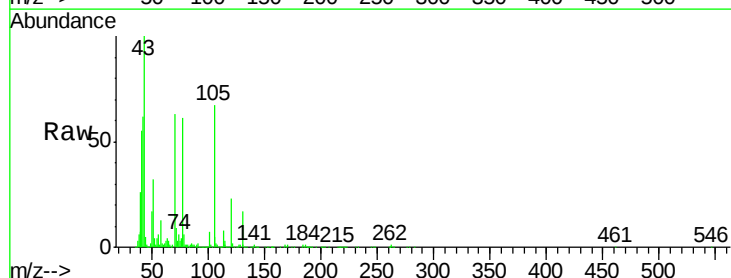
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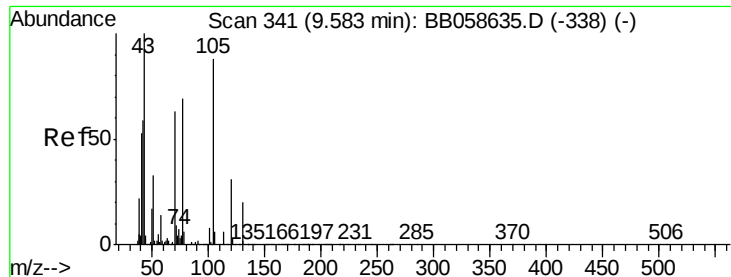
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#14
 Acetophenone
 Concen: 3.26 ng/ul
 RT: 9.56 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Lower	Upper
105	100		
77	90.5	65.9	98.9
51	47.4	22.2	33.2#





#15

N-Nitroso-di-n-propylamine

Concen: 3.42 ng/ul

RT: 9.56 min Scan# 340

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

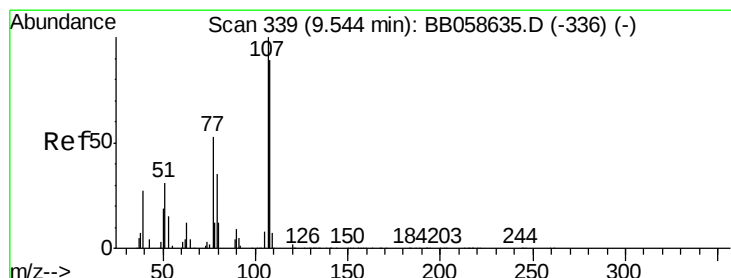
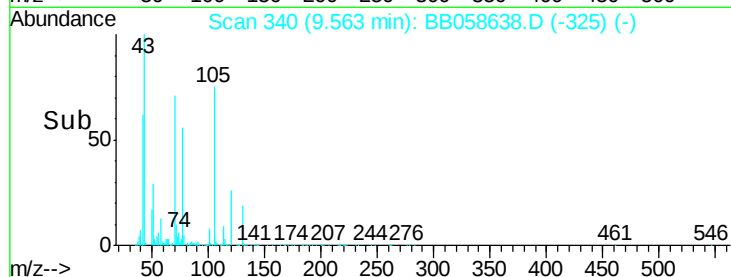
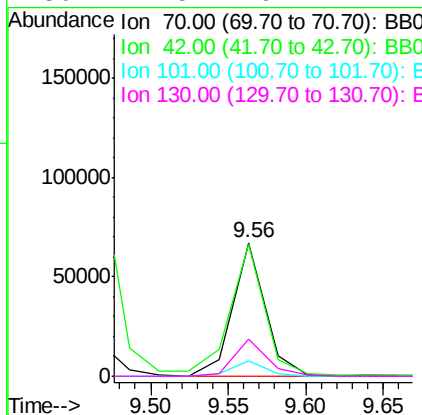
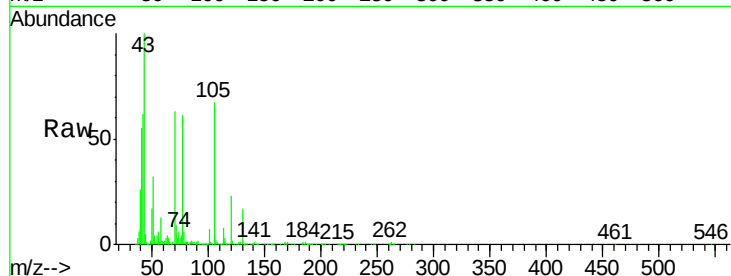
ClientSampleId :

MDL-02-S-ML

Tgt Ion:	70	Resp:	98835
Ion Ratio	Lower	Upper	
70	100		
42	98.9	43.4	65.2#
101	11.2	7.8	11.6
130	27.5	16.2	24.4#

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#16

4-Methylphenol

Concen: 3.11 ng/ul

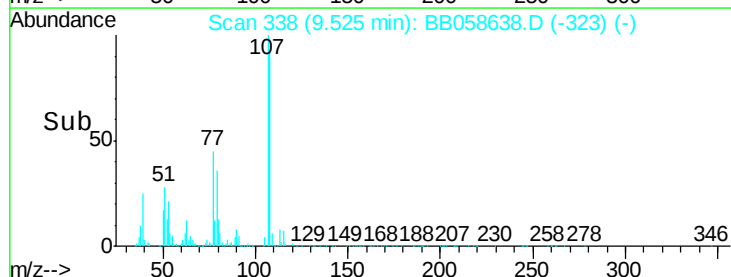
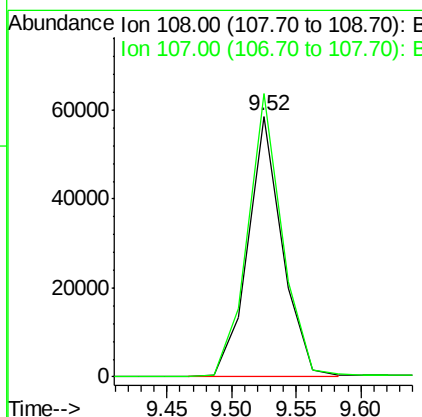
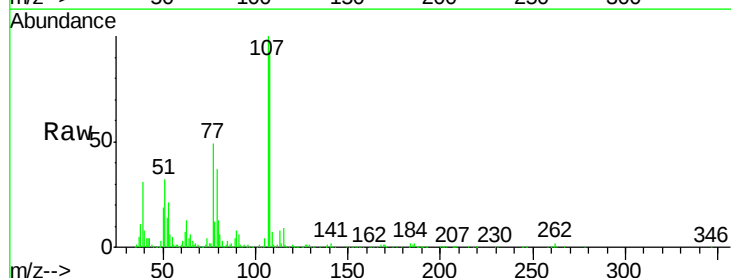
RT: 9.52 min Scan# 338

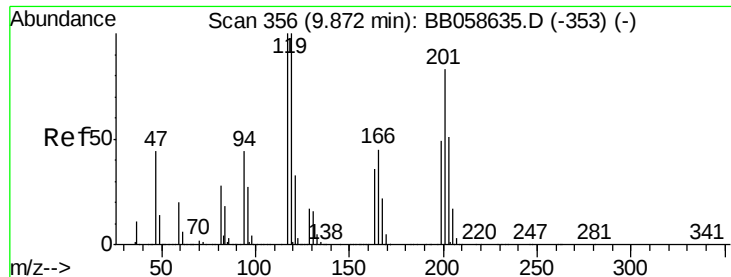
Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:	108	Resp:	107913
Ion Ratio	Lower	Upper	
108	100		
107	108.7	87.8	131.8





#17

Hexachloroethane

Concen: 3.28 ng/ul

RT: 9.85 min Scan# 355

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

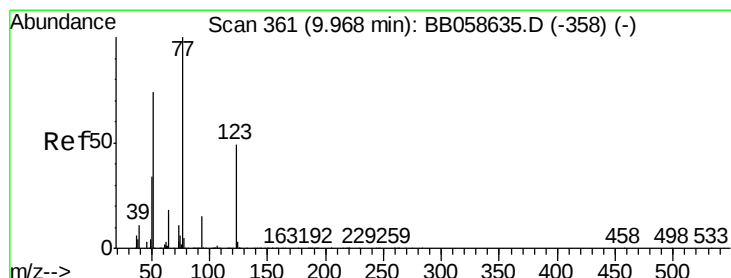
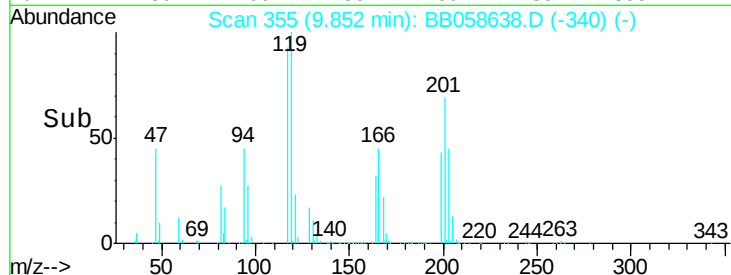
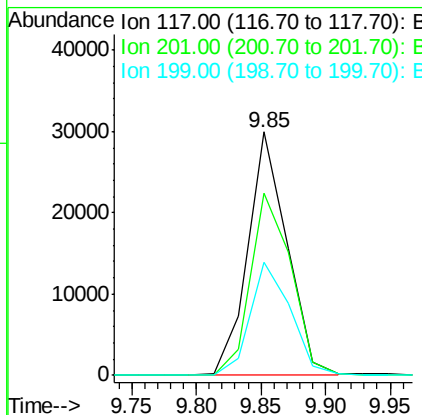
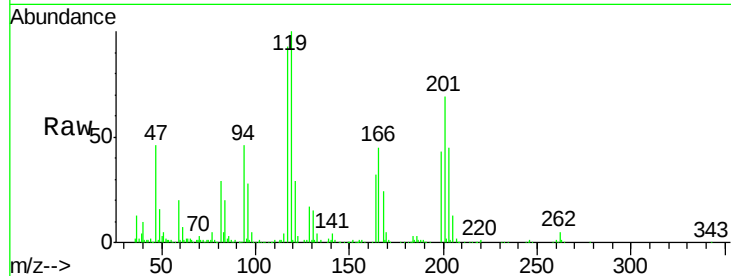
ClientSampleId :

MDL-02-S-ML

Tgt Ion:	117	Resp:	63123
Ion Ratio	Lower	Upper	
117	100		
201	74.9	90.3	135.5#
199	46.5	58.5	87.7#

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#20

Nitrobenzene

Concen: 3.51 ng/ul

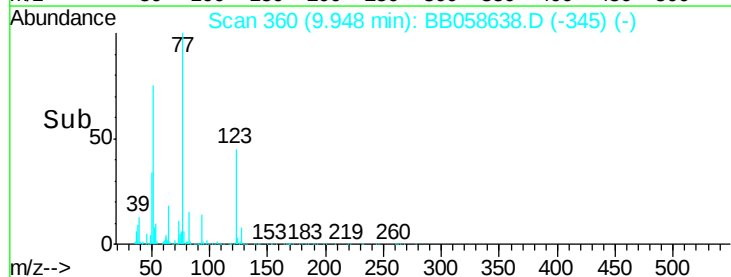
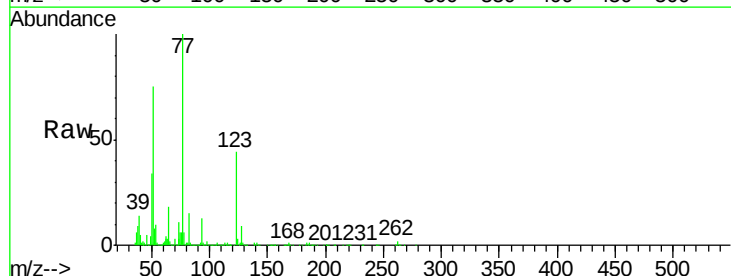
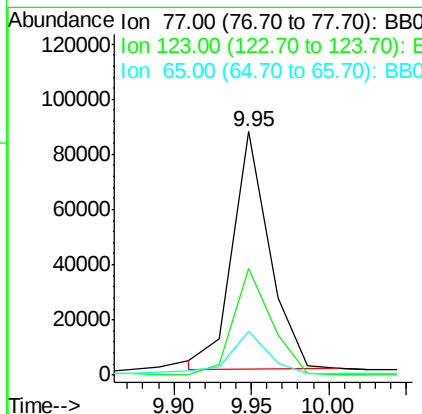
RT: 9.95 min Scan# 360

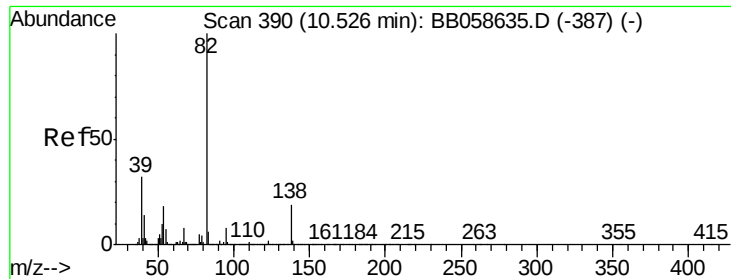
Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:	77	Resp:	143140
Ion Ratio	Lower	Upper	
77	100		
123	43.6	34.2	51.4
65	18.0	11.0	16.6#





#21

Isophorone

Concen: 3.47 ng/ul

RT: 10.51 min Scan# 389

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

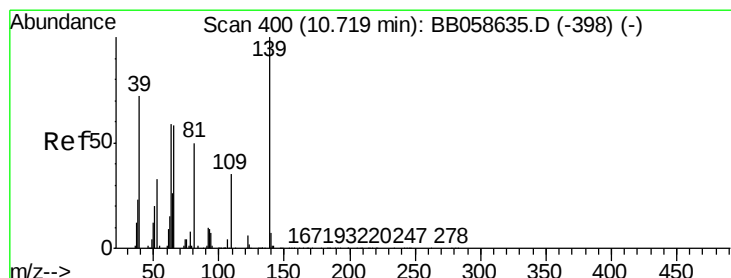
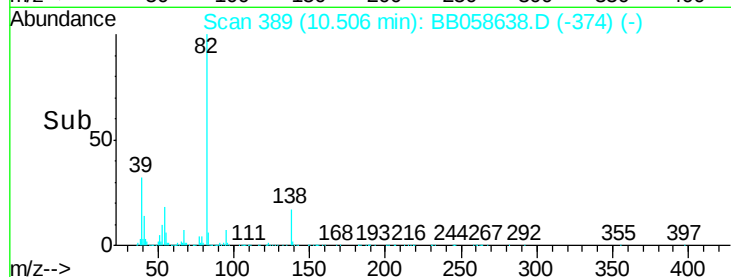
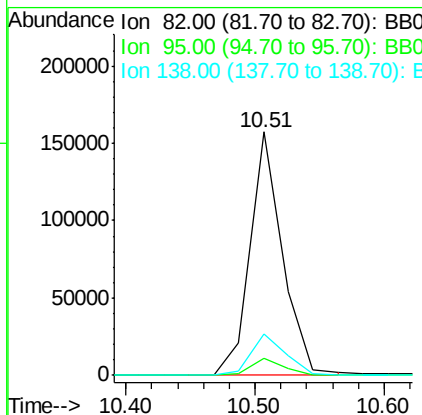
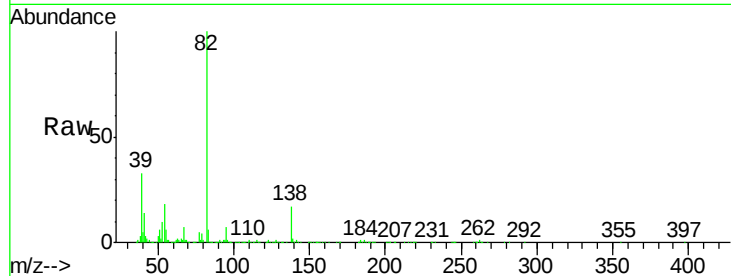
ClientSampleId :

MDL-02-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	273242		
95	6.8	6.9	10.3#	
138	17.0	13.8	20.8	

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#23

2-Nitrophenol

Concen: 3.23 ng/ul

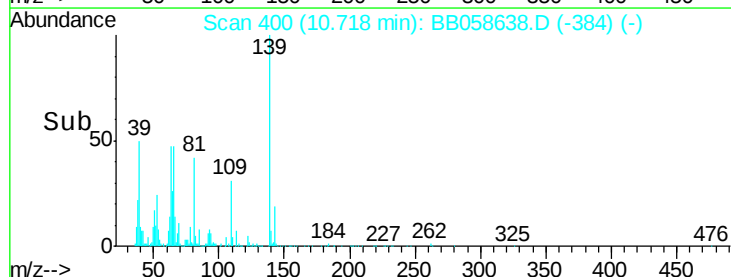
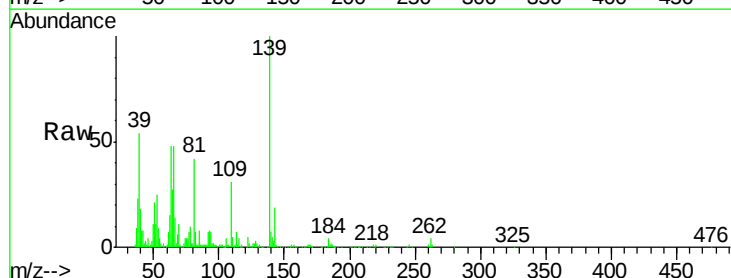
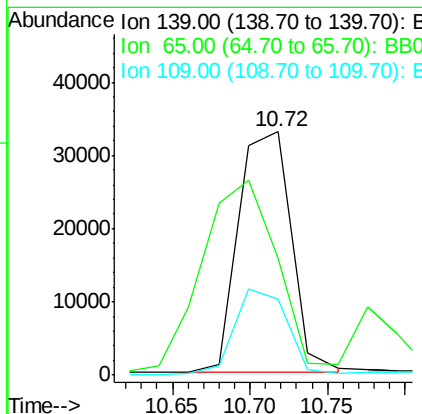
RT: 10.72 min Scan# 400

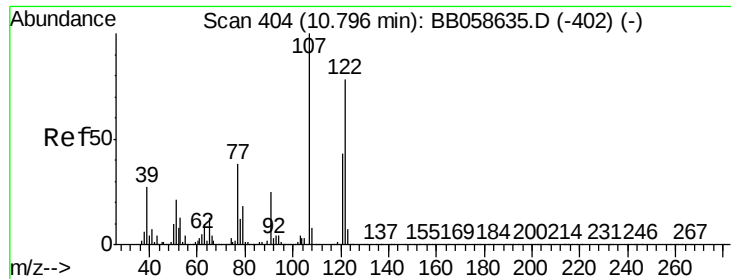
Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	78756		
65	48.0	44.2	66.4	
109	31.3	28.2	42.4	





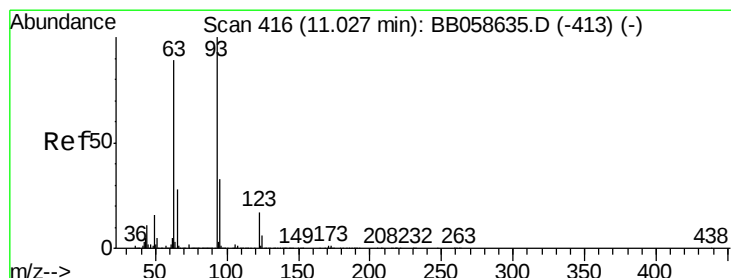
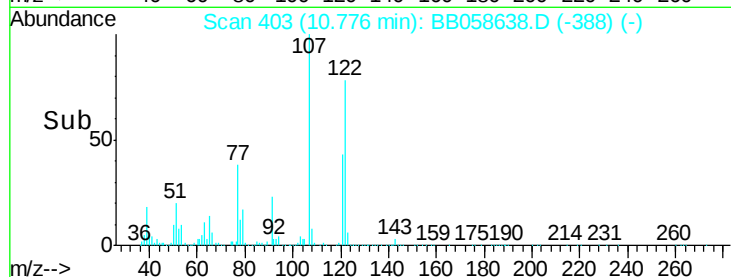
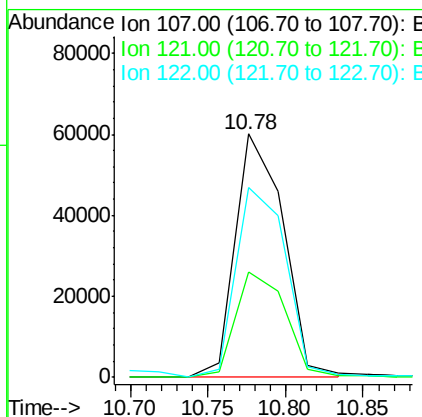
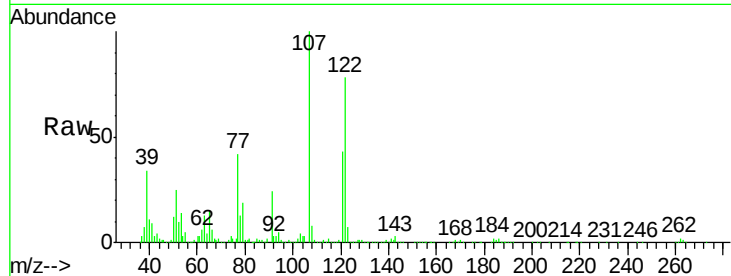
#24
 2,4-Dimethylphenol
 Concen: 3.26 ng/ul
 RT: 10.78 min Scan# 403
 Delta R.T. -0.02 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S-ML

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
121	43.1	37.1	55.7
122	77.9	62.8	94.2

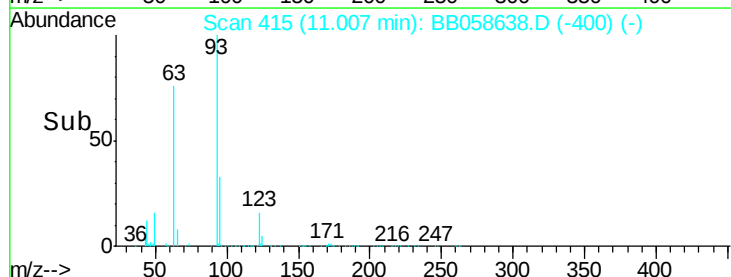
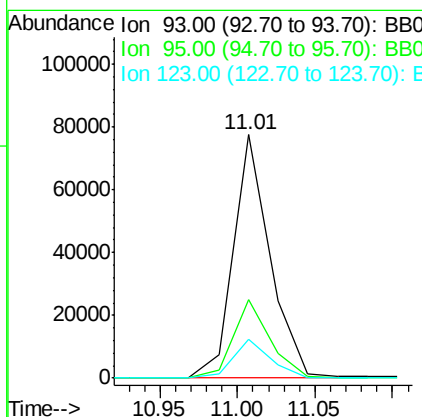
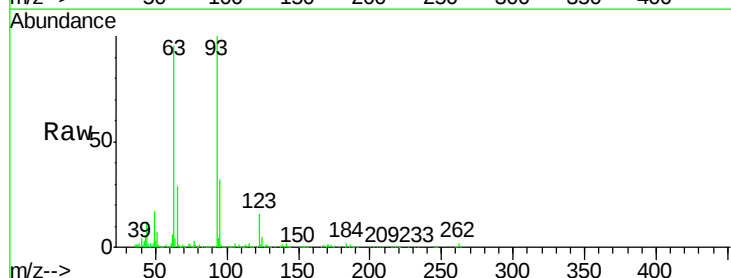
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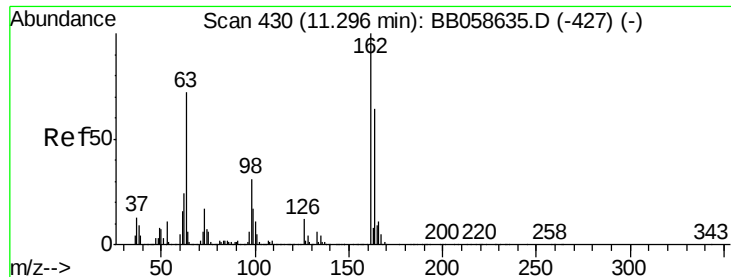
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#25
 Bis(2-Chloroethoxy)methane
 Concen: 3.39 ng/ul
 RT: 11.01 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
95	32.2	25.4	38.0
123	15.7	8.3	12.5





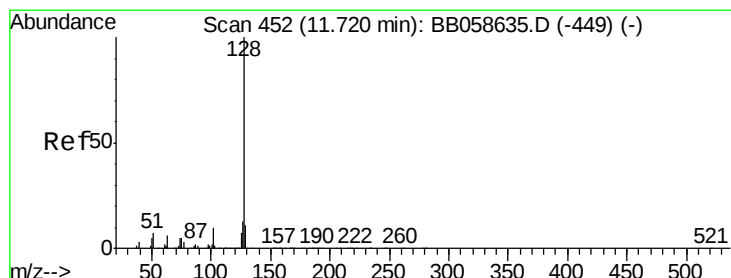
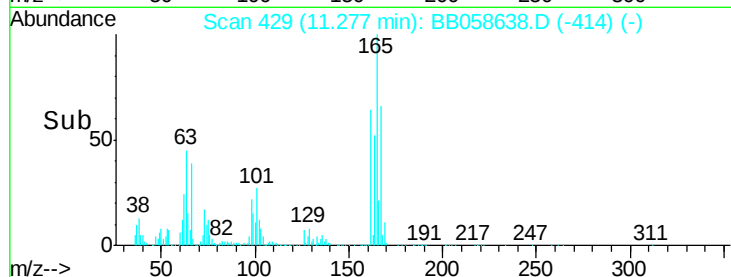
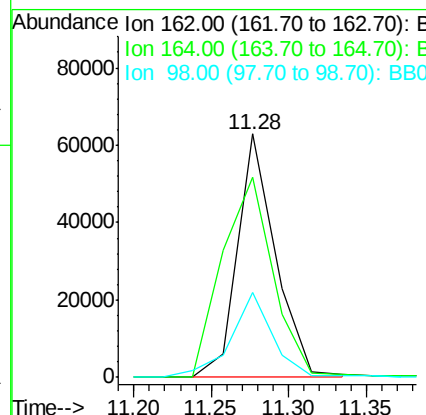
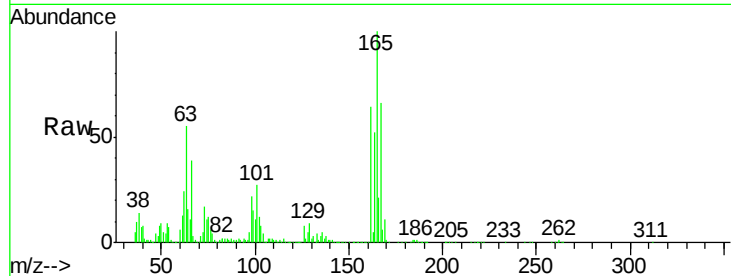
#27
 2,4-Dichlorophenol
 Concen: 3.26 ng/ul
 RT: 11.28 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S-ML

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	81.9	51.6	77.4#
98	34.9	28.4	42.6

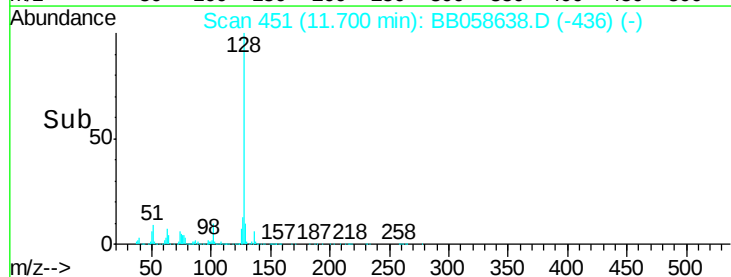
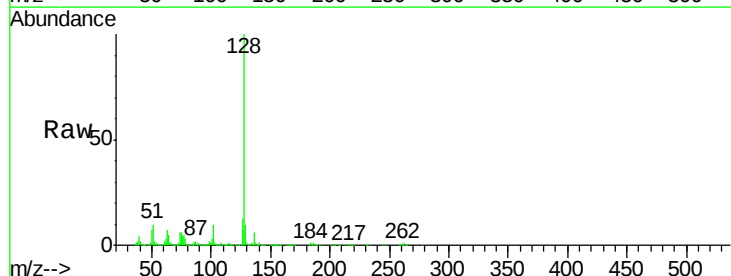
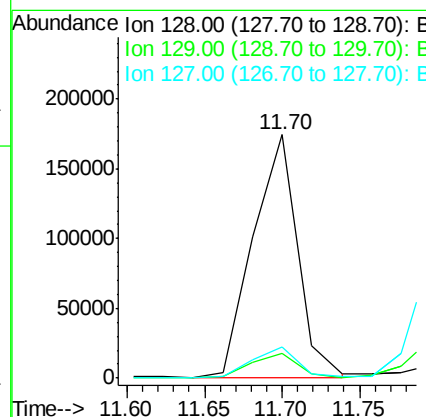
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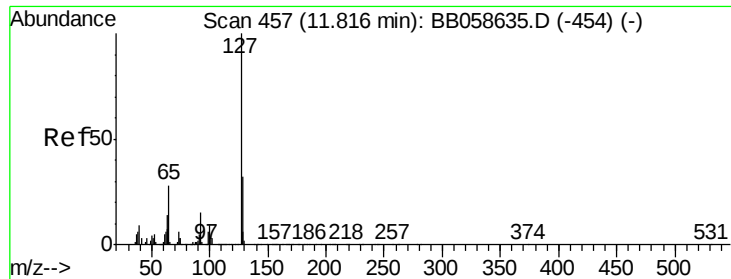
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#28
 Naphthalene
 Concen: 3.49 ng/ul
 RT: 11.70 min Scan# 451
 Delta R.T. -0.02 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.3	8.6	12.8
127	12.7	10.6	15.8





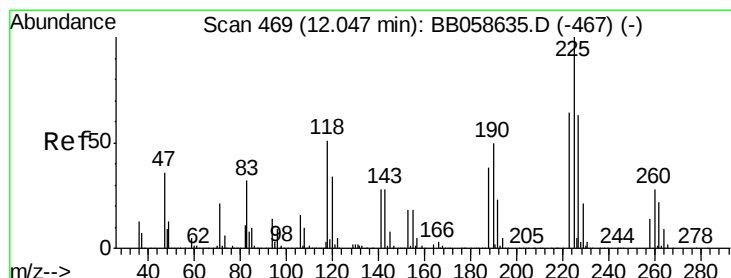
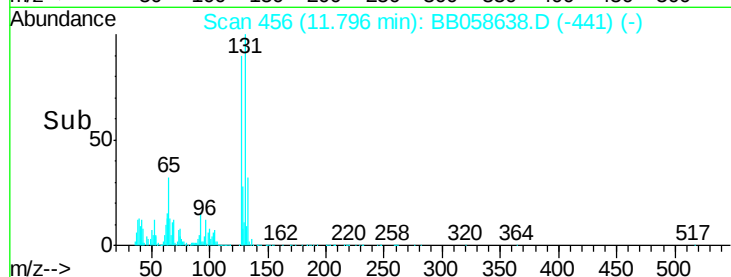
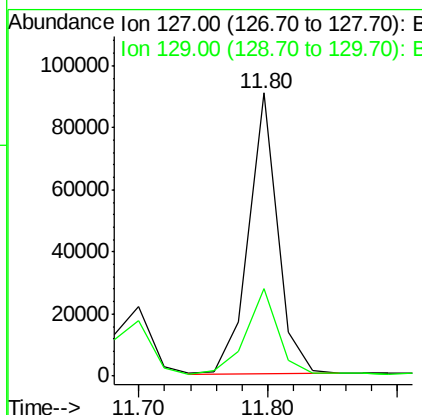
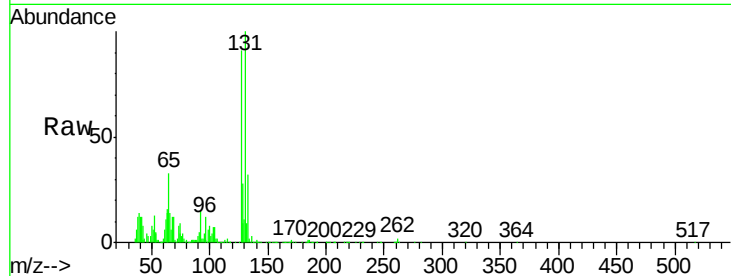
#30
4-Chloroaniline
Concen: 3.73 ng/ul
RT: 11.80 min Scan# 456
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion:127 Resp: 141303
Ion Ratio Lower Upper
127 100
129 31.1 24.6 37.0

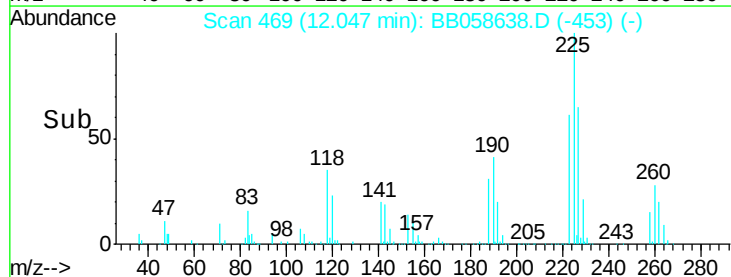
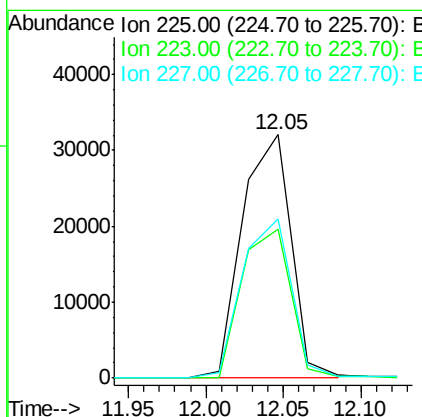
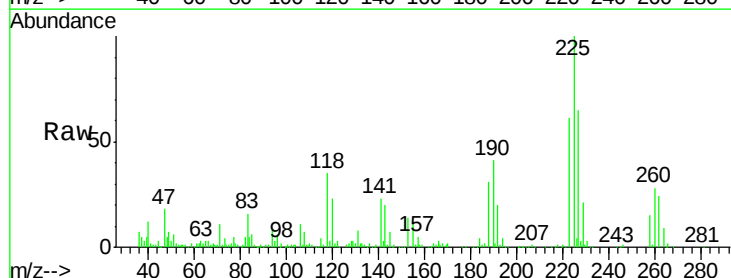
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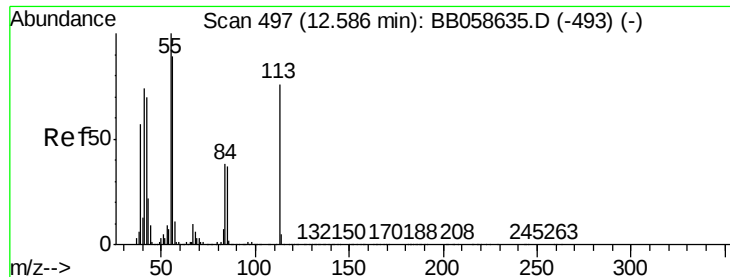
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#31
Hexachlorobutadiene
Concen: 3.14 ng/ul
RT: 12.05 min Scan# 469
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion:225 Resp: 71334
Ion Ratio Lower Upper
225 100
223 61.0 51.2 76.8
227 65.2 52.5 78.7





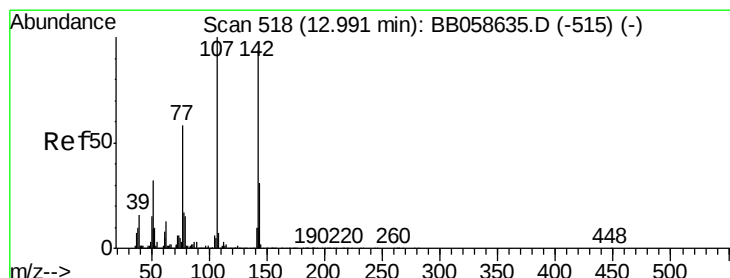
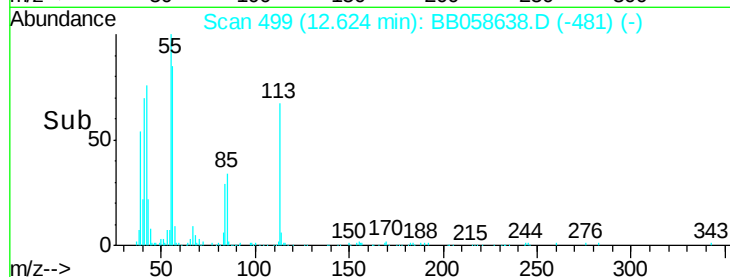
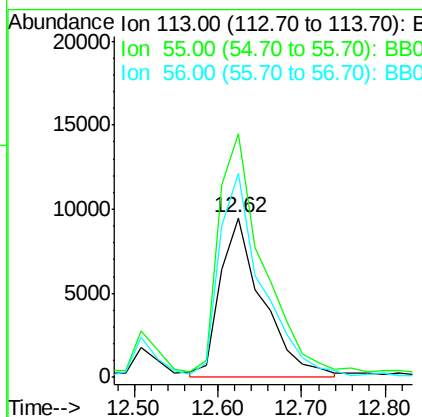
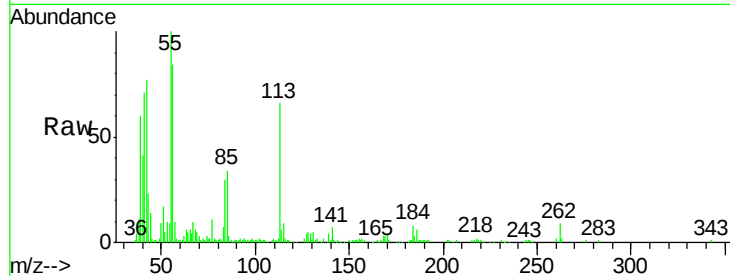
#32
 Caprolactam
 Concen: 2.77 ng/ul m
 RT: 12.62 min Scan# 499
 Delta R.T. 0.04 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S-ML

Tgt Ion	Ratio	Lower	Upper
113	100		
55	152.4	121.9	182.9
56	127.6	97.4	146.0

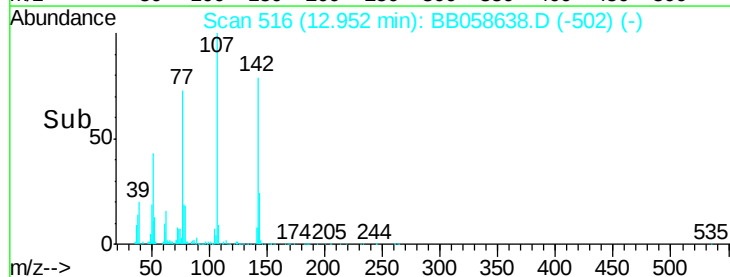
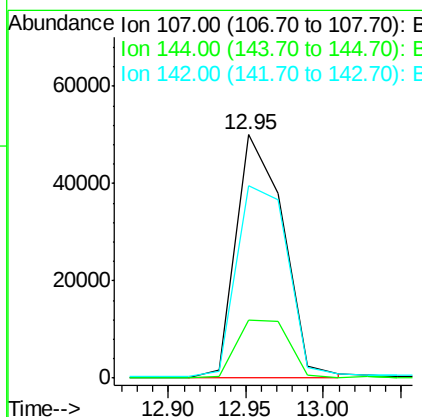
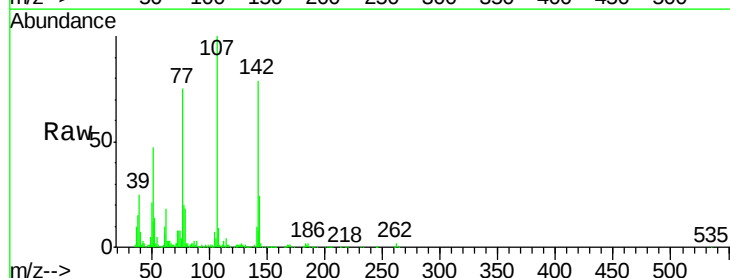
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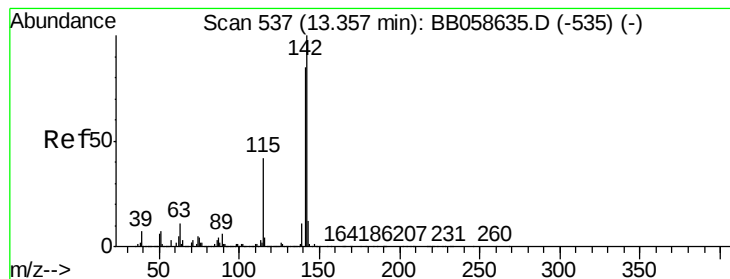
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#33
 4-Chloro-3-methylphenol
 Concen: 3.24 ng/ul
 RT: 12.95 min Scan# 516
 Delta R.T. -0.04 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.6	21.1	31.7
142	79.1	64.1	96.1





#34

2-Methylnaphthalene

Concen: 3.32 ng/ul

RT: 13.34 min Scan# 536

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

ClientSampleId :

MDL-02-S-ML

Tgt Ion:142 Resp: 229597

Ion Ratio Lower Upper

142 100

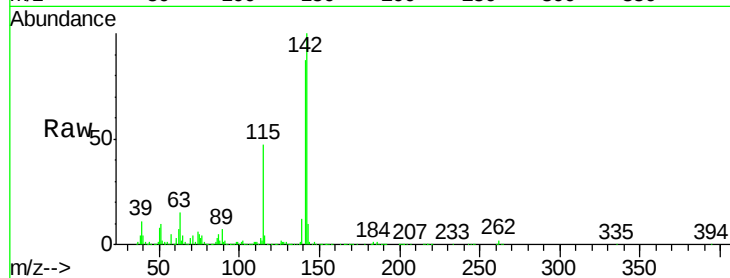
141 86.6 71.3 106.9

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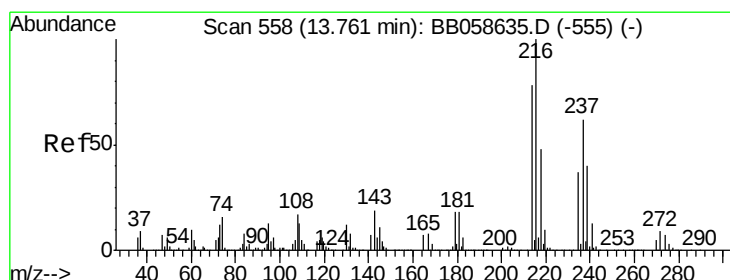
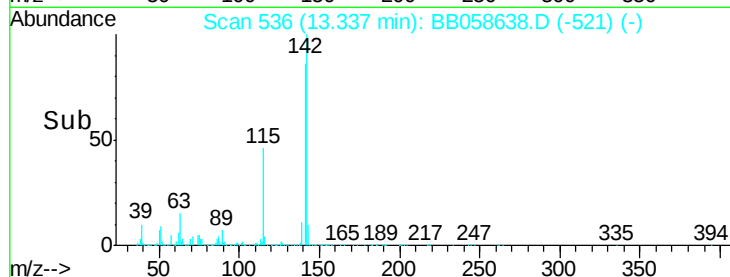
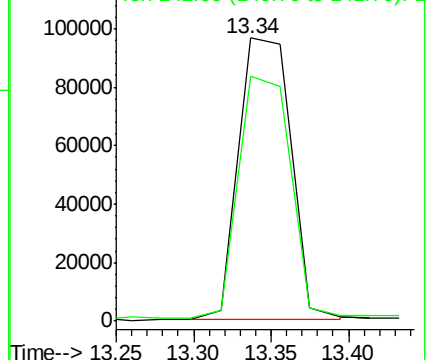
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#36

1,2,4,5-Tetrachlorobenzene

Concen: 3.29 ng/ul

RT: 13.74 min Scan# 557

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:216 Resp: 120015

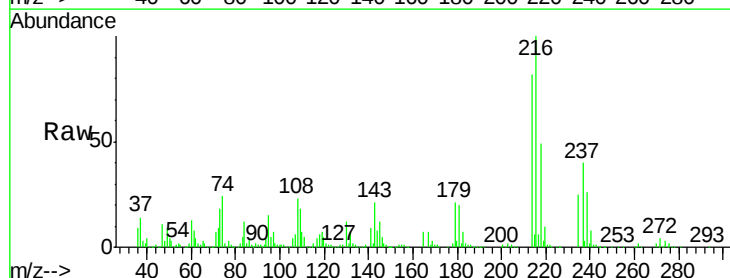
Ion Ratio Lower Upper

216 100

214 81.5 64.8 97.2

179 20.7 16.7 25.1

108 22.7 13.2 19.8#

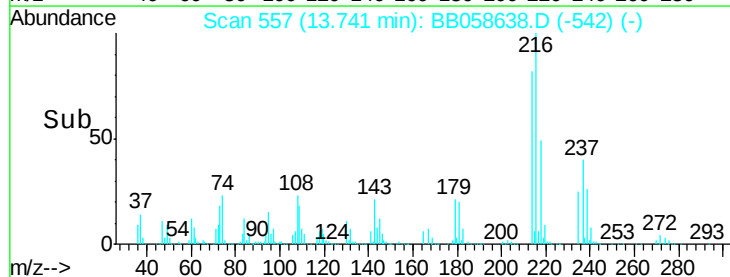
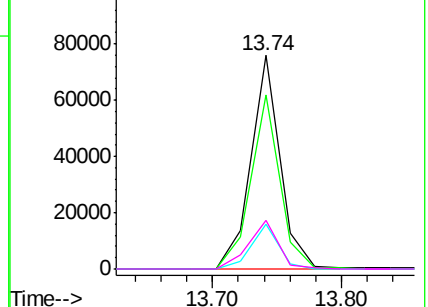


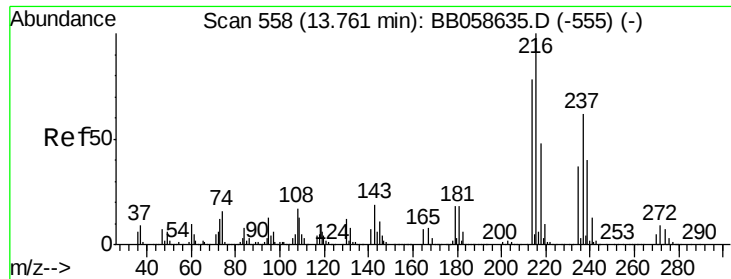
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#37

Hexachlorocyclopentadiene

Concen: 2.00 ng/ul

RT: 13.74 min Scan# 557

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

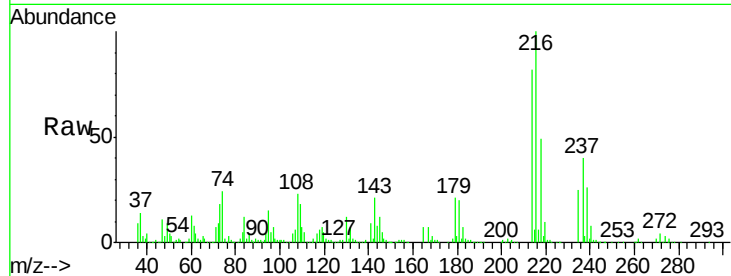
ClientSampleId :

MDL-02-S-ML

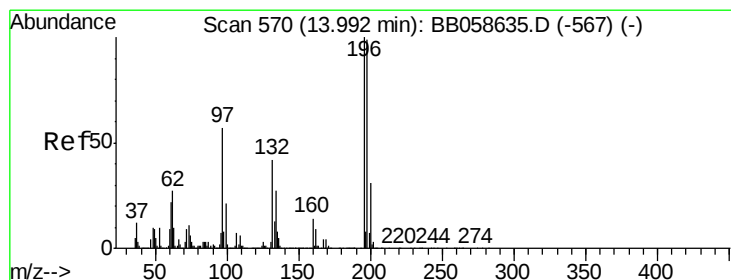
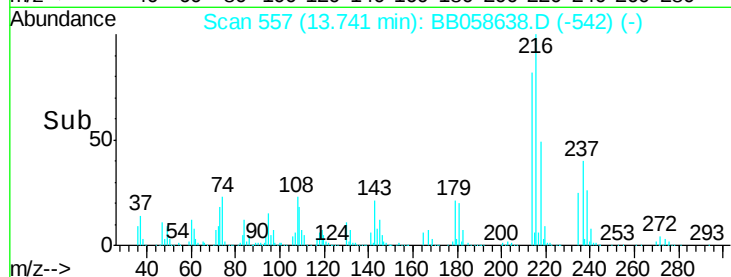
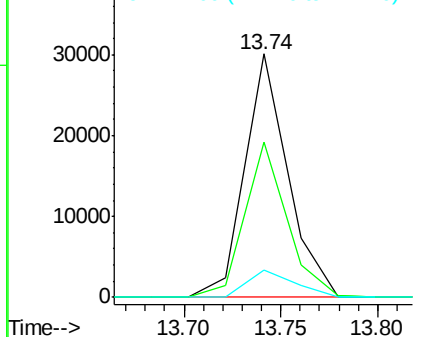
Tgt Ion:	237	Resp:	46058
Ion Ratio	Lower	Upper	
237	100		
235	59.8	49.6	74.4
272	10.3	10.4	15.6#

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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: 3.12 ng/ul

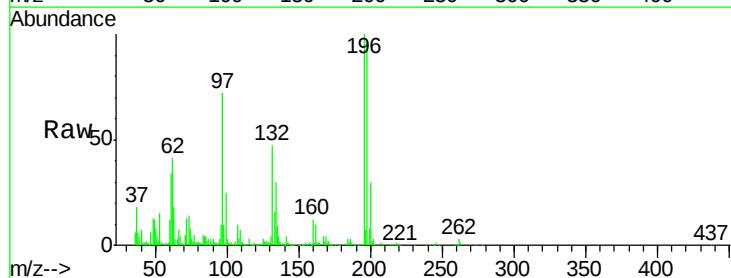
RT: 13.97 min Scan# 569

Delta R.T. -0.02 min

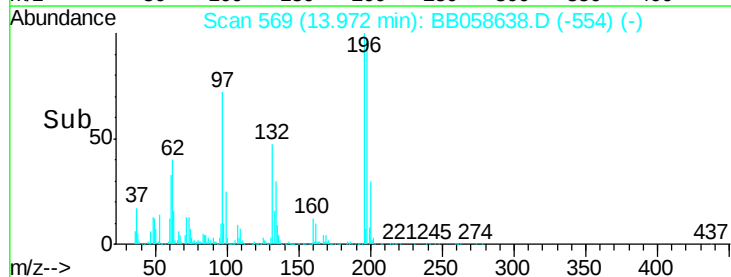
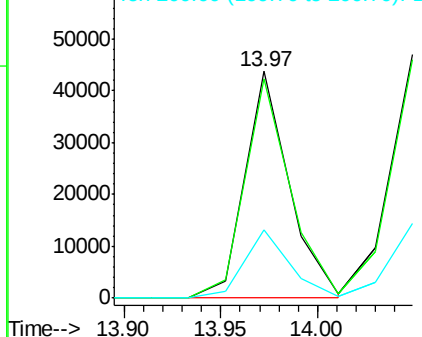
Lab File: BB058638.D

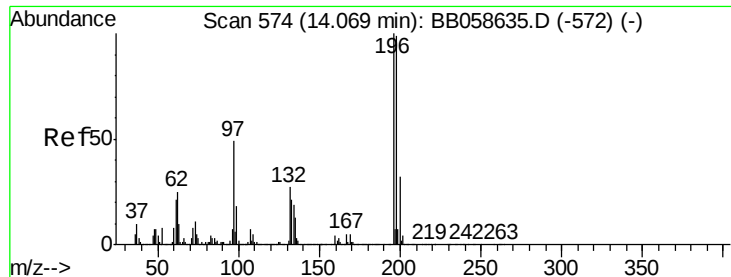
Acq: 18 Oct 2016 12:51

Tgt Ion:	196	Resp:	69232
Ion Ratio	Lower	Upper	
196	100		
198	96.6	76.9	115.3
200	29.9	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: 3.08 ng/ul

RT: 14.05 min Scan# 573

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

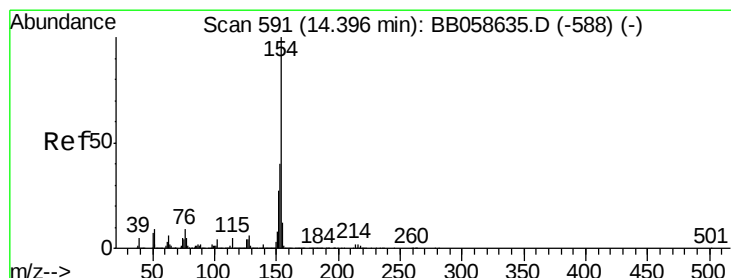
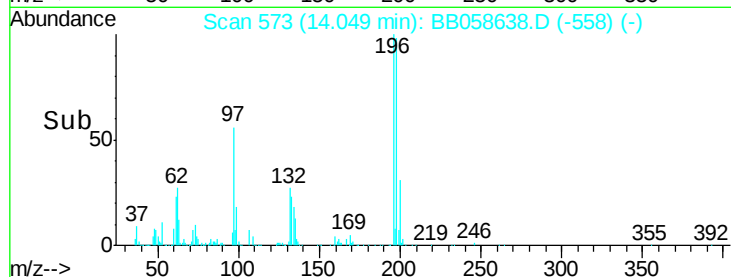
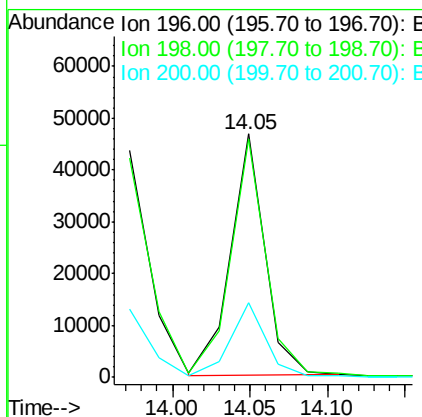
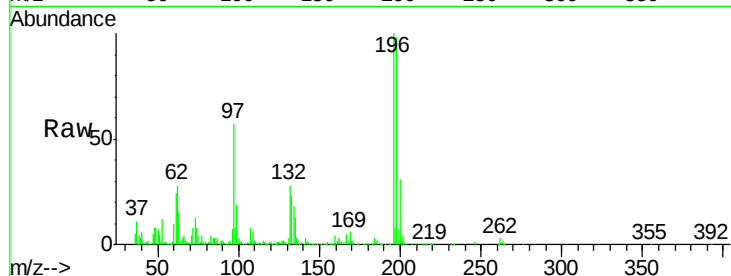
ClientSampleId :

MDL-02-S-ML

Tgt Ion:	196	Resp:	72594
Ion Ratio	Lower	Upper	
196	100		
198	98.1	76.8	115.2
200	30.7	27.0	40.4

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#40

1,1'-Biphenyl

Concen: 3.36 ng/ul

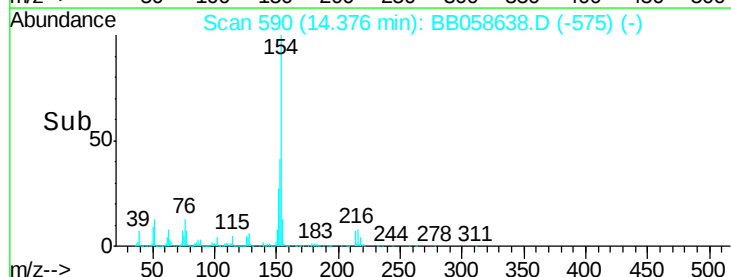
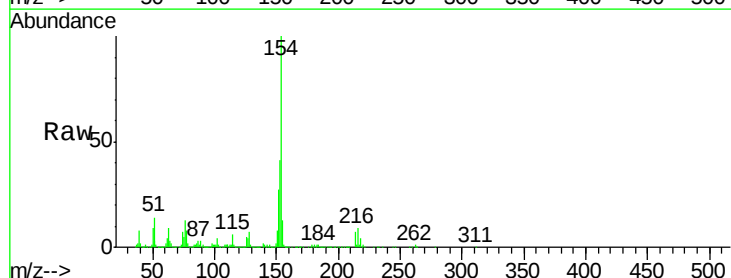
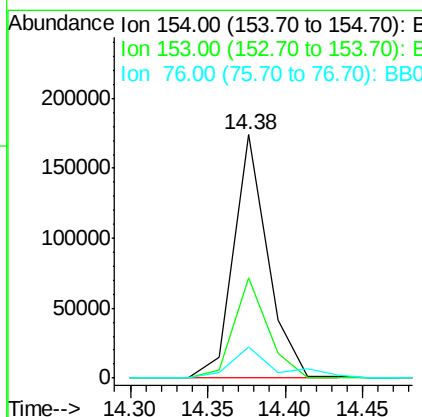
RT: 14.38 min Scan# 590

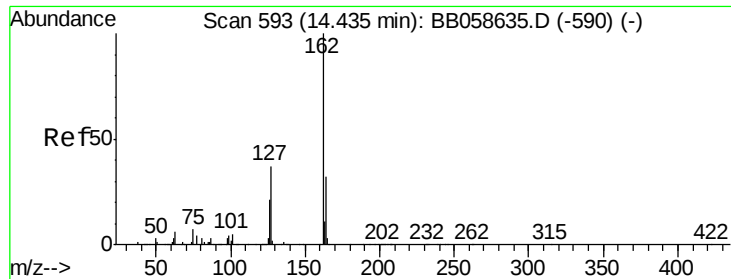
Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:	154	Resp:	268096
Ion Ratio	Lower	Upper	
154	100		
153	41.0	31.3	46.9
76	12.7	10.0	15.0





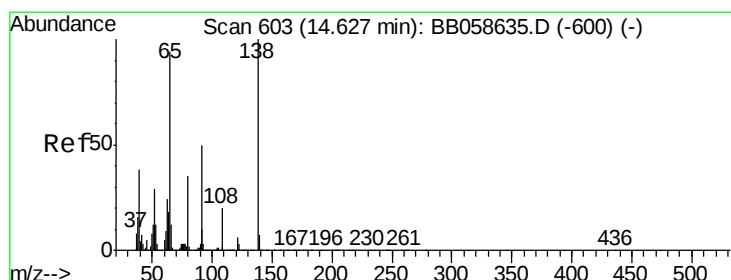
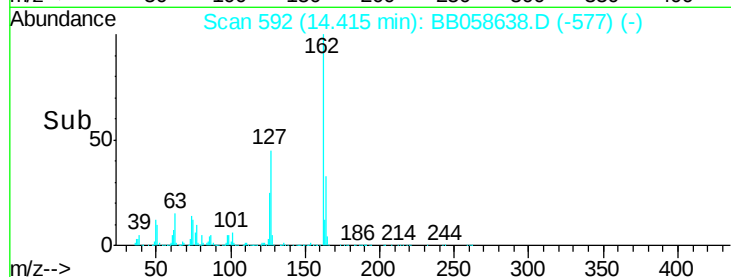
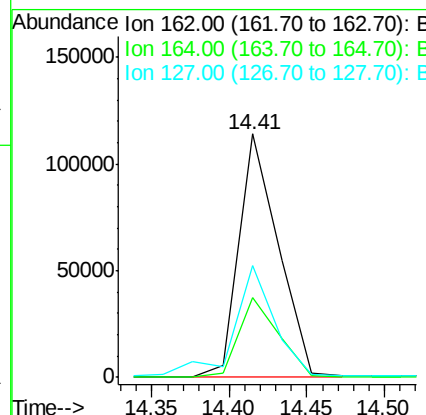
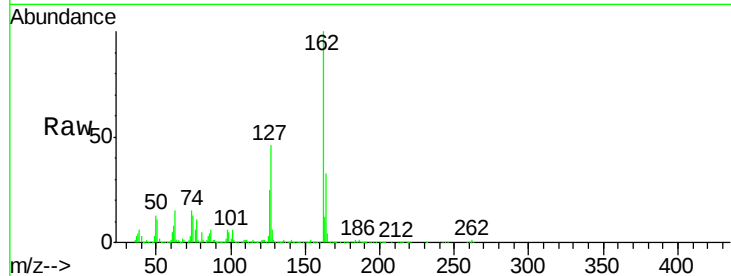
#41
2-Chloronaphthalene
Concen: 3.22 ng/ul
RT: 14.41 min Scan# 592
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	32.6	26.9	40.3
127	45.8	31.2	46.8

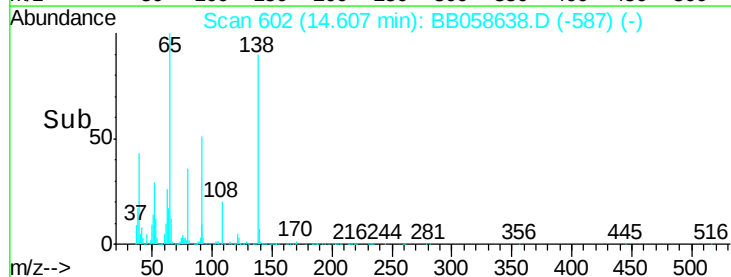
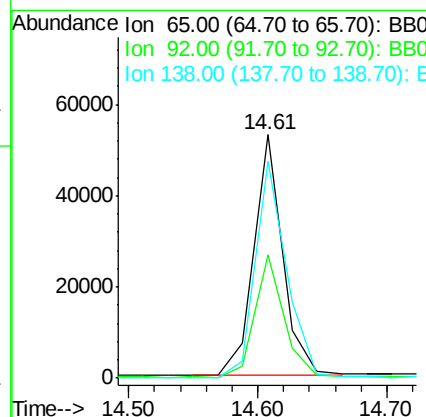
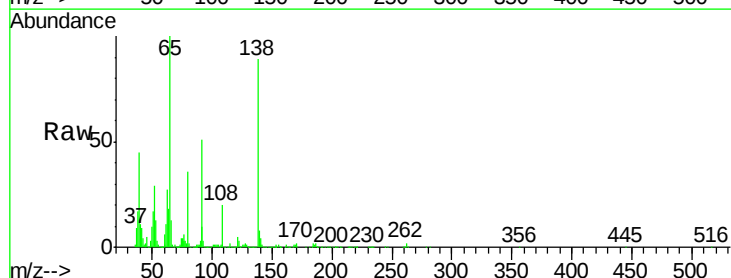
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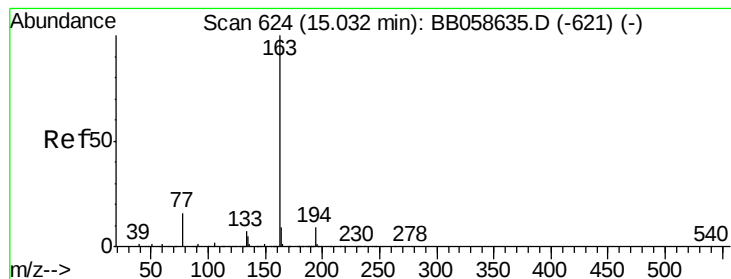
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#42
2-Nitroaniline
Concen: 3.37 ng/ul
RT: 14.61 min Scan# 602
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
65	100		
92	50.7	55.6	83.4#
138	89.2	81.3	121.9





#44

Dimethylphthalate

Concen: 3.45 ng/ul

RT: 15.01 min Scan# 623

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

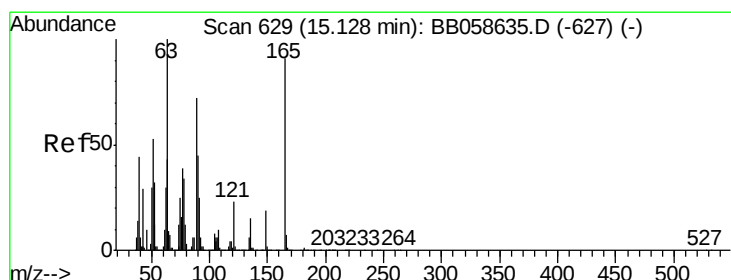
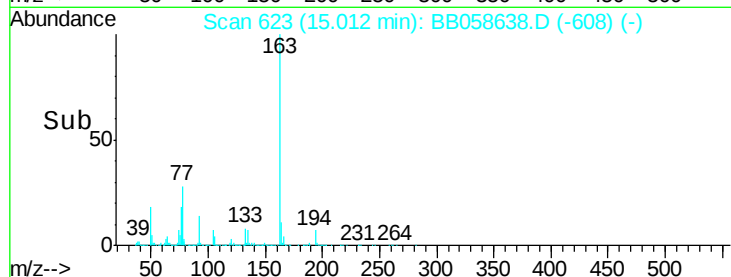
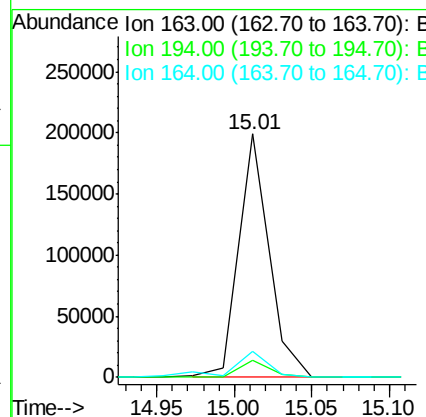
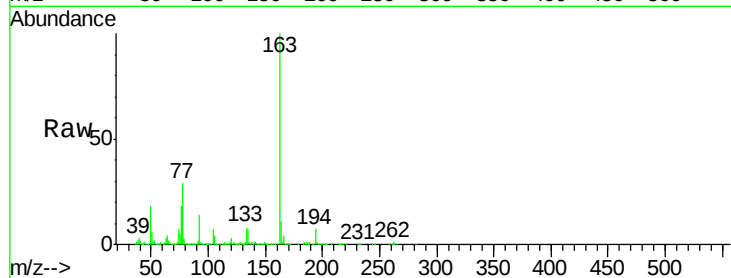
ClientSampleId :

MDL-02-S-ML

Tgt Ion:	163	Resp:	272208
Ion Ratio		Lower	Upper
163	100		
194	6.9	3.4	5.2#
164	10.6	7.8	11.8

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#45

2,6-Dinitrotoluene

Concen: 3.16 ng/ul

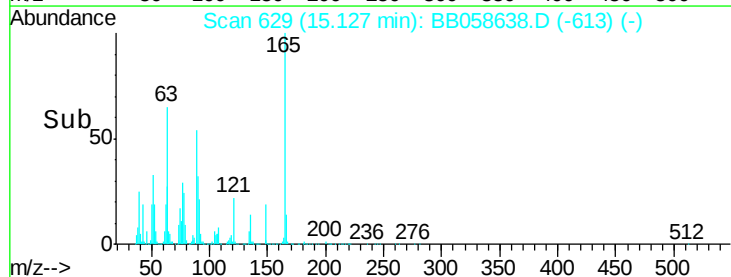
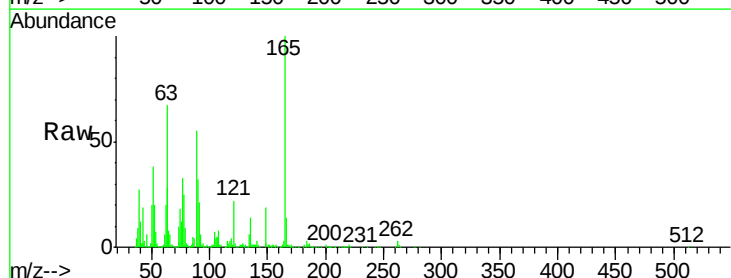
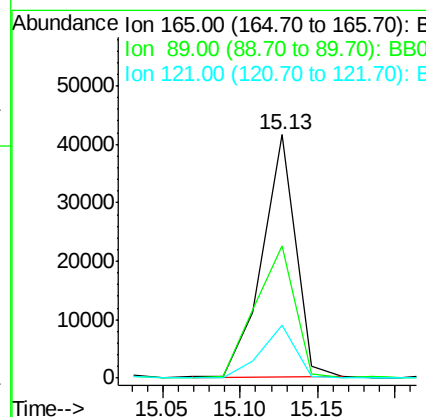
RT: 15.13 min Scan# 629

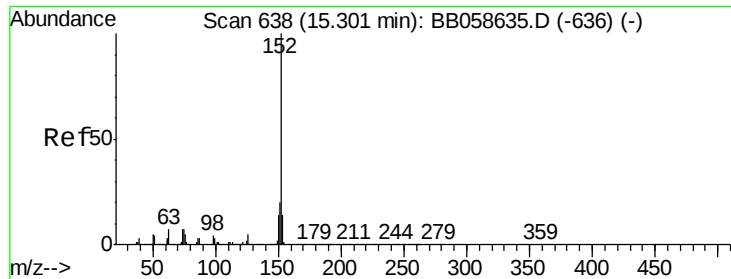
Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:	165	Resp:	63178
Ion Ratio		Lower	Upper
165	100		
89	54.5	46.6	69.8
121	21.8	16.0	24.0





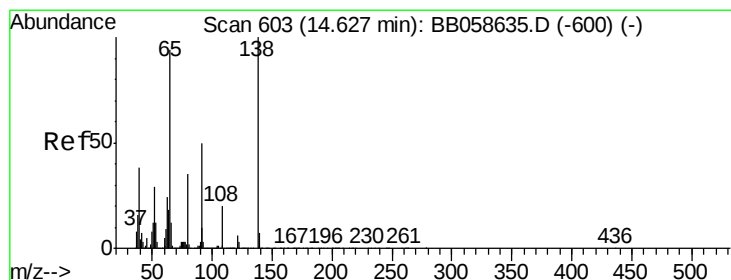
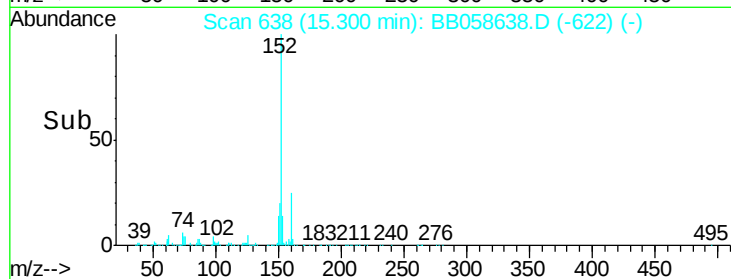
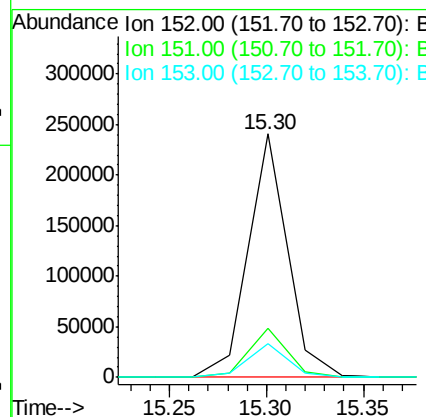
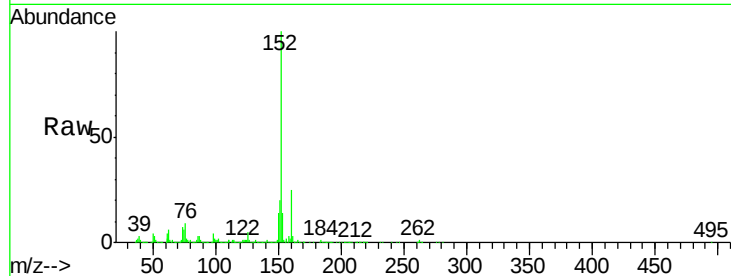
#47
Acenaphthylene
Concen: 3.72 ng/ul
RT: 15.30 min Scan# 638
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.6	11.0	16.6

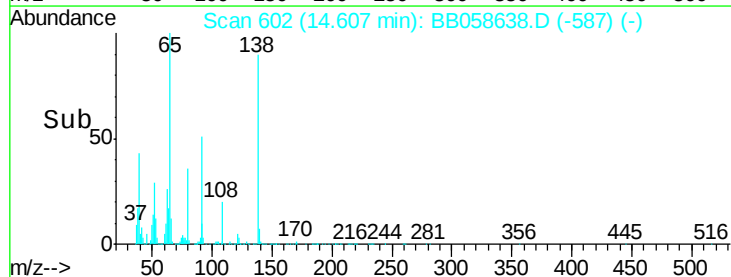
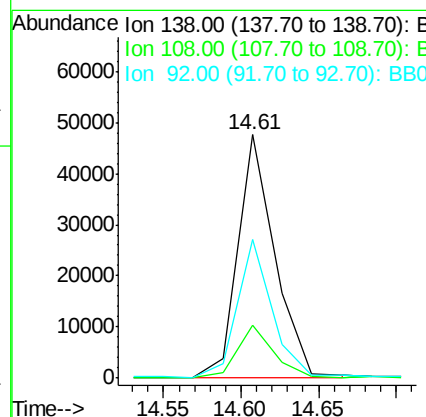
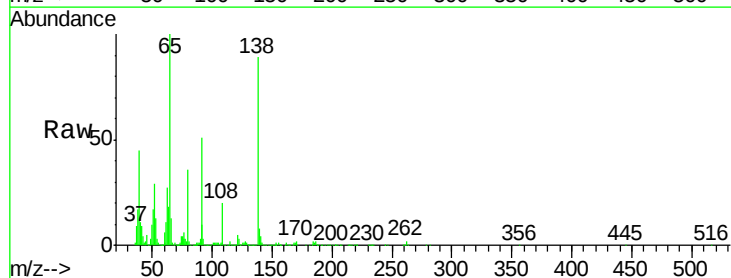
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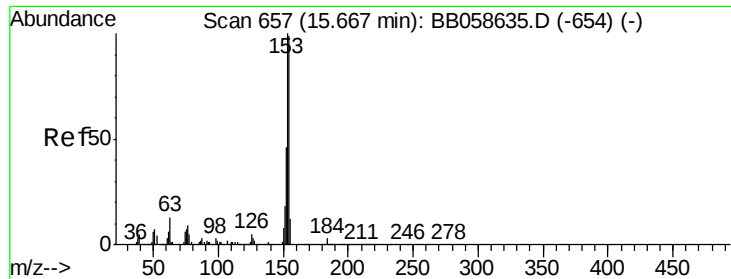
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#48
3-Nitroaniline
Concen: 3.05 ng/ul
RT: 14.61 min Scan# 602
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Lower	Upper
138	100		
108	22.0	9.4	14.0#
92	56.8	96.6	145.0#





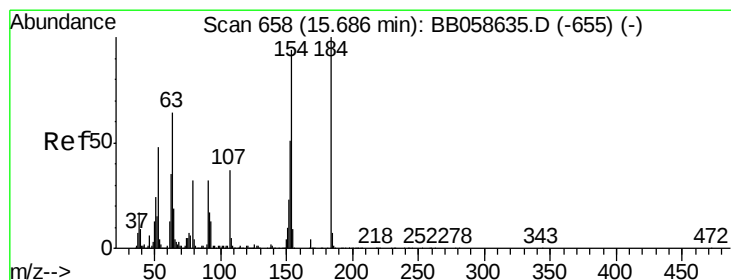
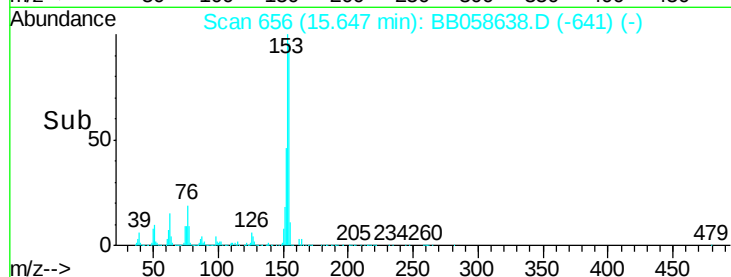
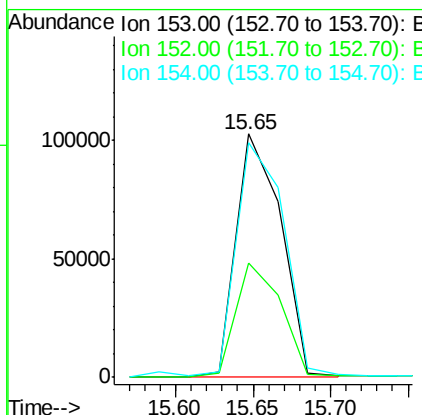
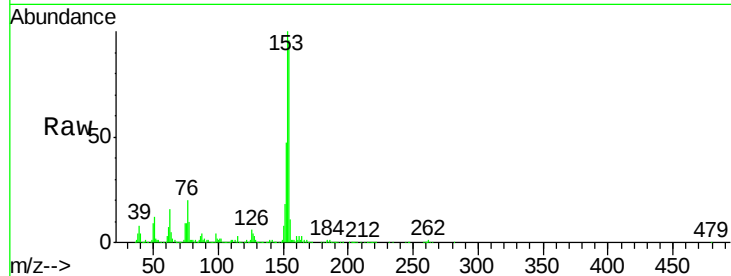
#49
Acenaphthene
Concen: 3.37 ng/ul
RT: 15.65 min Scan# 656
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	208894		
152	46.9	37.8	56.6	
154	96.2	71.4	107.0	

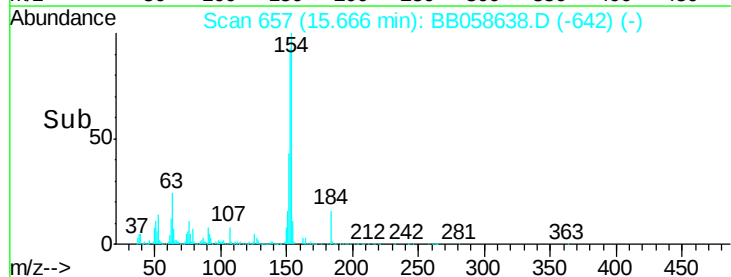
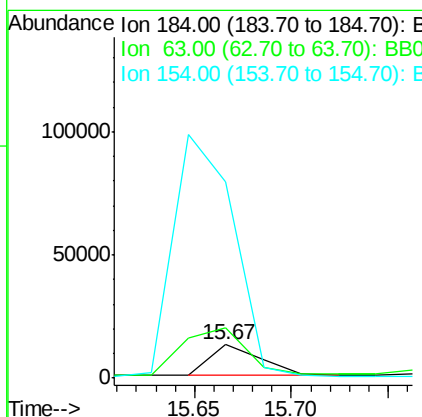
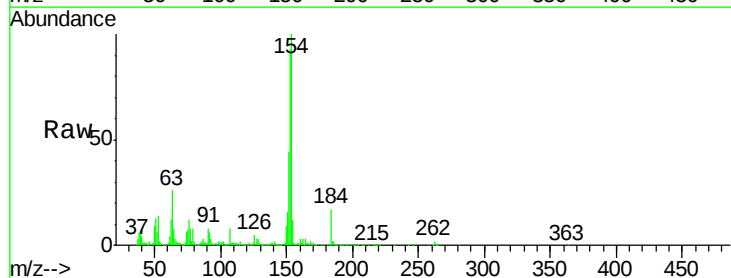
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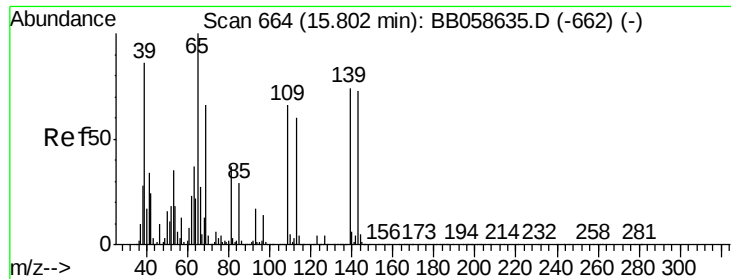
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#50
2,4-Dinitrophenol
Concen: 1.66 ng/ul
RT: 15.67 min Scan# 657
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	23619		
63	151.7	43.4	65.0#	
154	591.1	48.2	72.4#	





#52

4-Nitrophenol

Concen: 3.39 ng/ul

RT: 15.80 min Scan# 664

Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

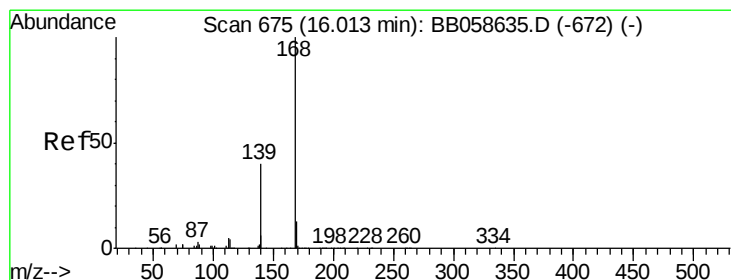
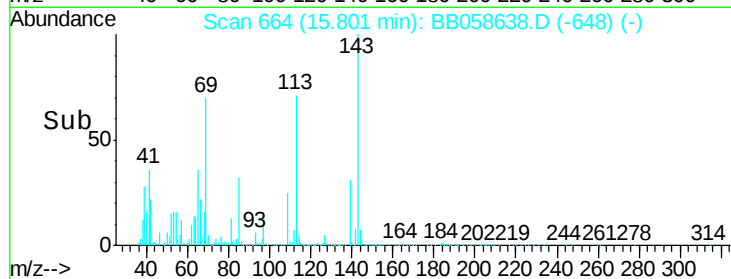
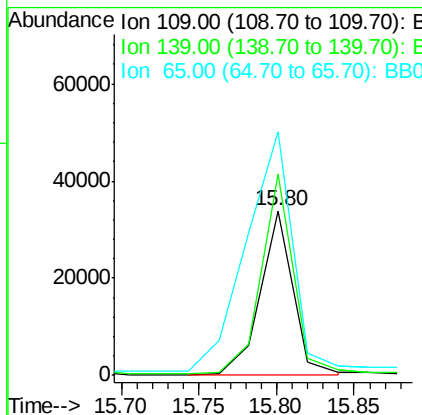
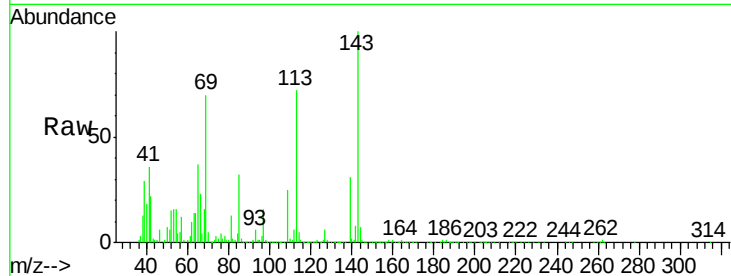
ClientSampleId :

MDL-02-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	50002		
139	122.1	88.7	133.1	
65	147.7	96.4	144.6	

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#53

Dibenzofuran

Concen: 3.45 ng/ul

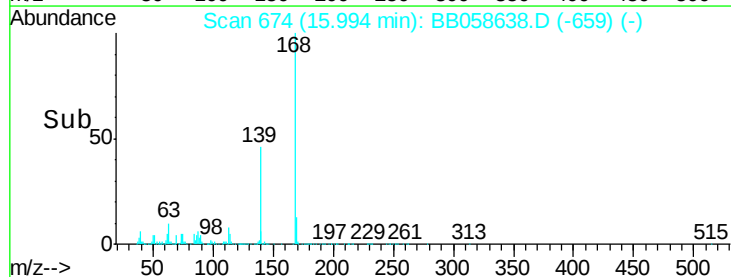
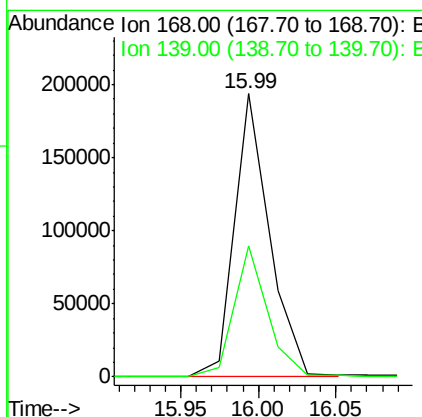
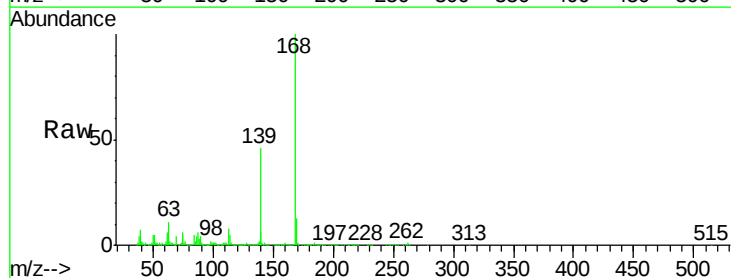
RT: 15.99 min Scan# 674

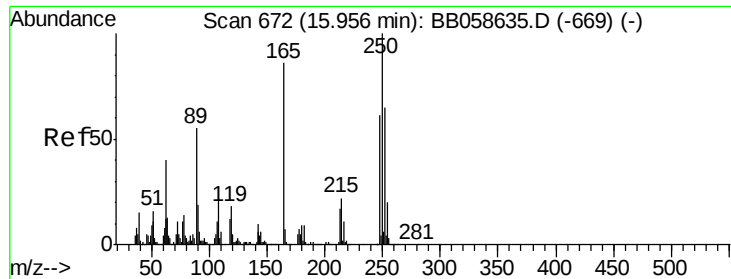
Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	305325		
139	46.4	30.1	45.1	





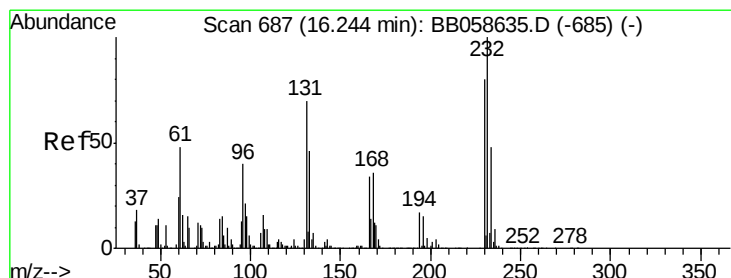
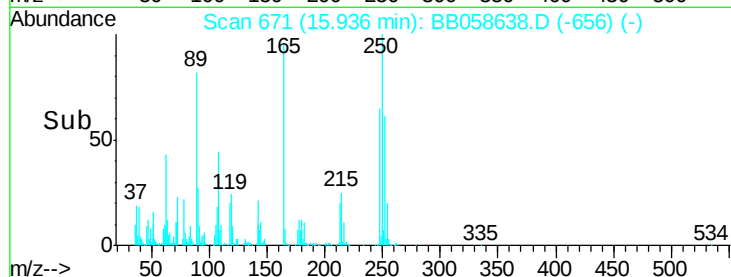
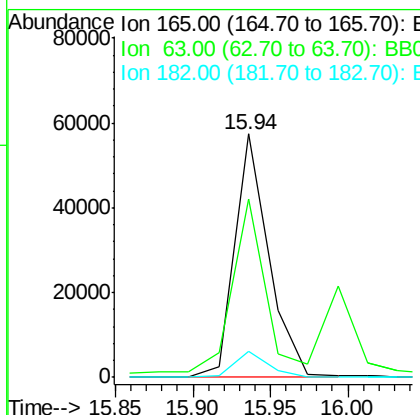
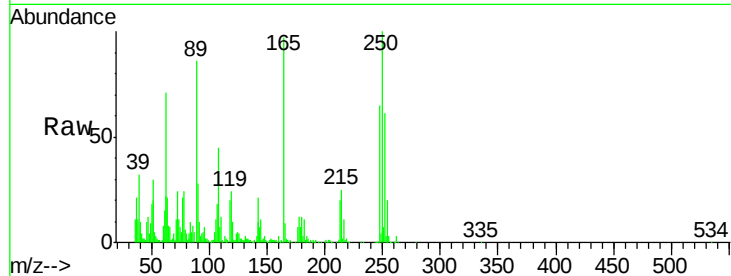
#54
 2,4-Dinitrotoluene
 Concen: 3.16 ng/ul
 RT: 15.94 min Scan# 671
 Delta R.T. -0.02 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	87928		
63	73.3	36.2	54.2#	
182	10.9	2.2	3.4#	

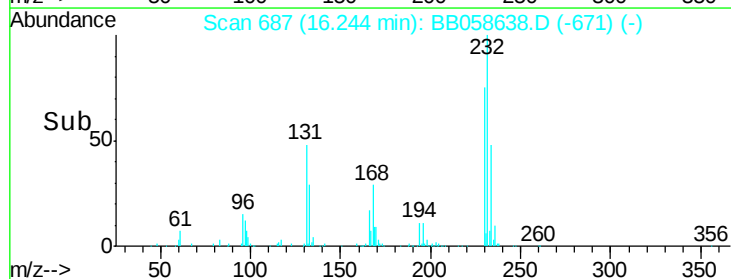
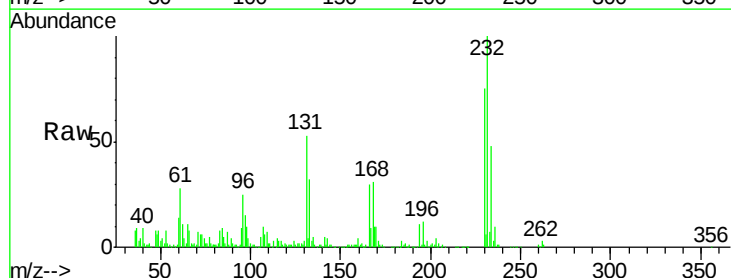
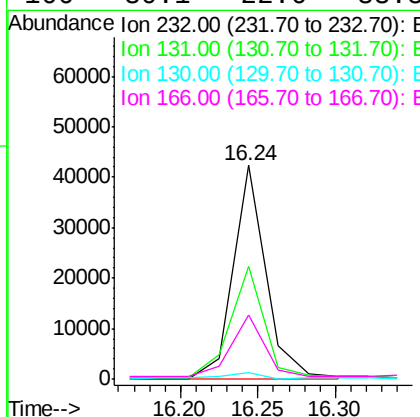
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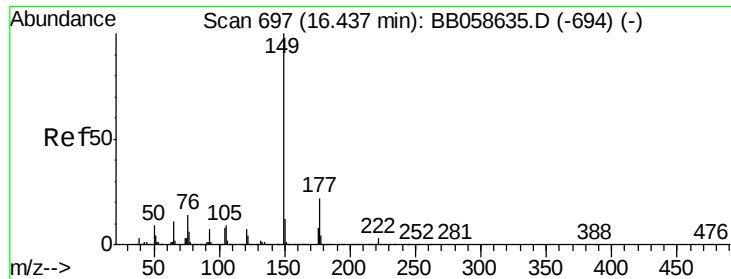
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#55
 2,3,4,6-Tetrachlorophenol
 Concen: 3.06 ng/ul
 RT: 16.24 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	63020		
131	52.6	31.4	47.0#	
130	3.2	1.6	2.4#	
166	30.1	22.6	33.8	





#56

Diethylphthalate

Concen: 3.59 ng/ul

RT: 16.44 min Scan# 697

Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

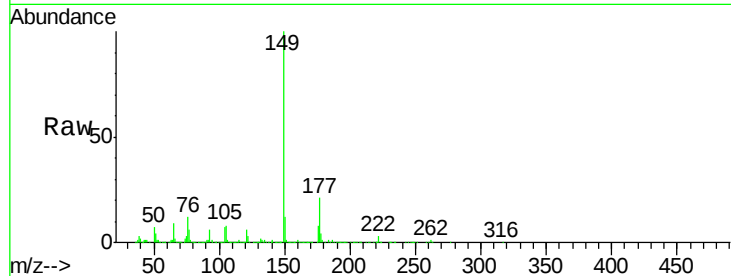
ClientSampleId :

MDL-02-S-ML

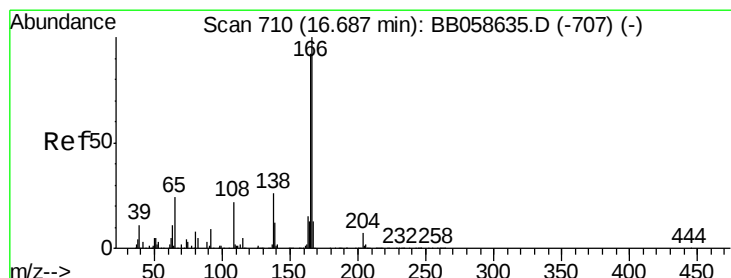
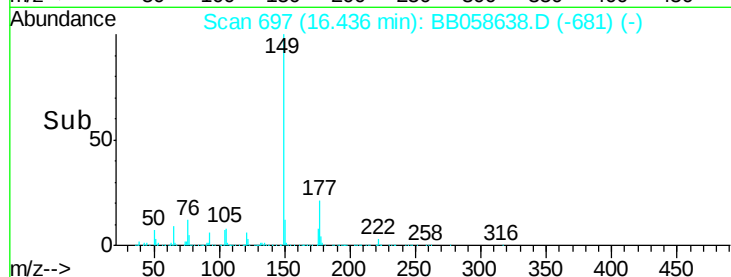
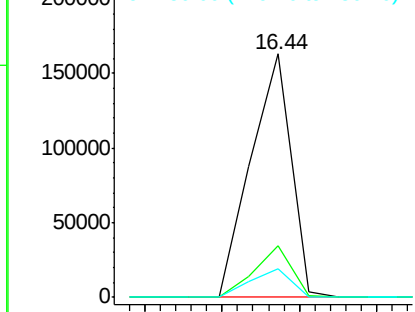
Tgt Ion:	149	Resp:	294742
Ion Ratio		Lower	Upper
149	100		
177	21.3	18.6	28.0
150	11.7	10.0	15.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 3.23 ng/ul

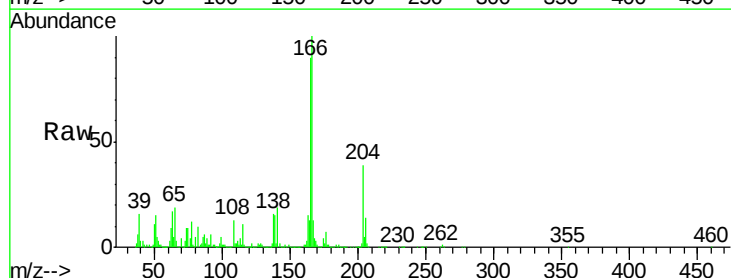
RT: 16.67 min Scan# 709

Delta R.T. -0.02 min

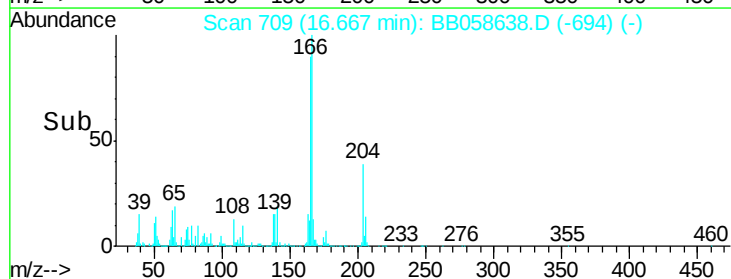
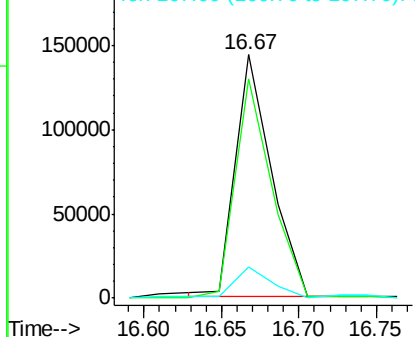
Lab File: BB058638.D

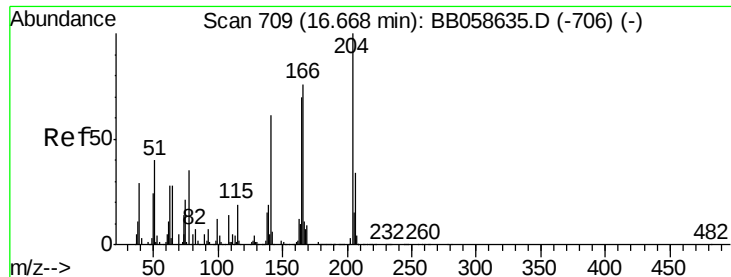
Acq: 18 Oct 2016 12:51

Tgt Ion:	166	Resp:	232619
Ion Ratio		Lower	Upper
166	100		
165	90.2	79.9	119.9
167	12.9	10.5	15.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





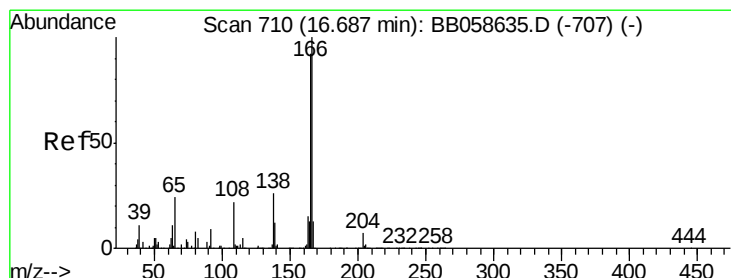
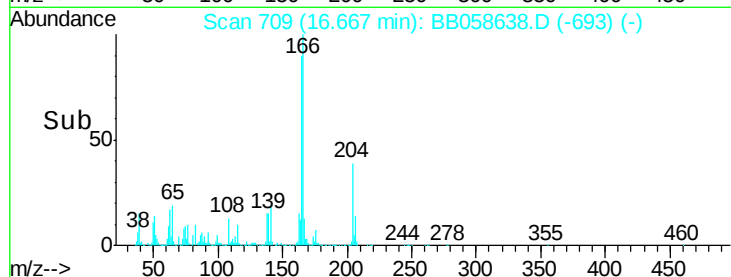
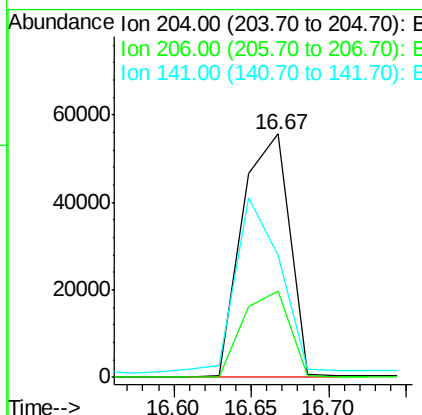
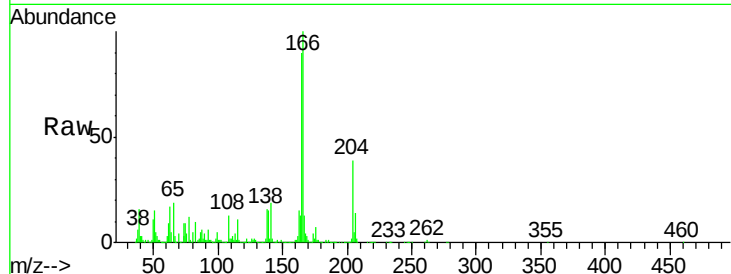
#59
4-Chlorophenyl-phenylether
Concen: 3.11 ng/ul
RT: 16.67 min Scan# 709
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Lower	Upper
204	100		
206	35.4	25.9	38.9
141	50.1	46.1	69.1

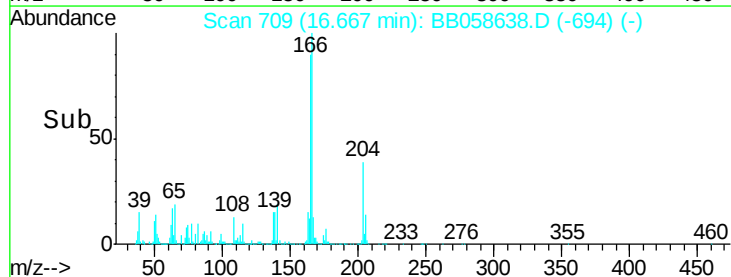
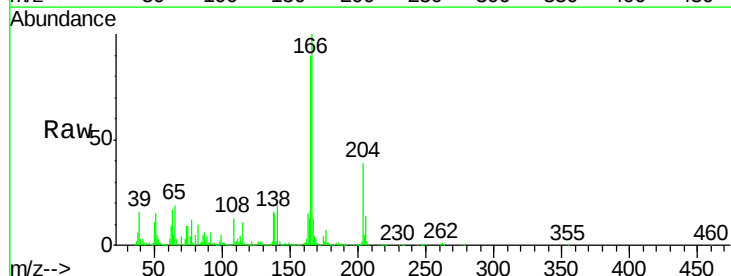
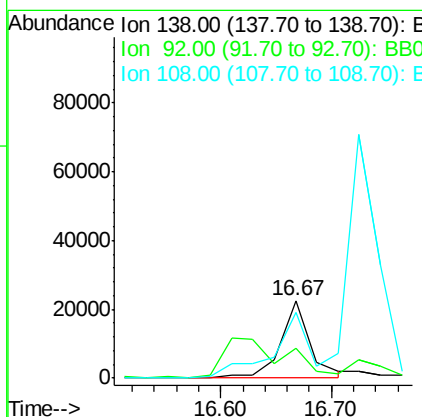
Manual Integrations
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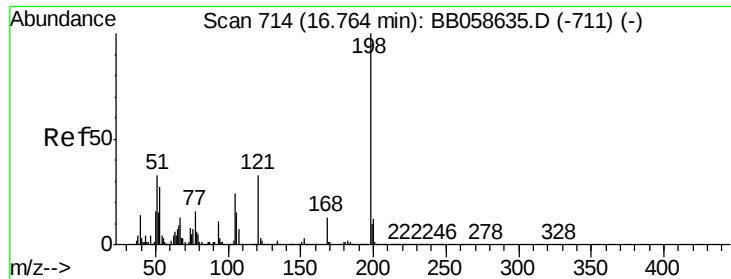
umangi
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#60
4-Nitroaniline
Concen: 2.02 ng/ul
RT: 16.67 min Scan# 709
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Lower	Upper
138	100		
92	37.9	43.5	65.3#
108	84.7	80.3	120.5





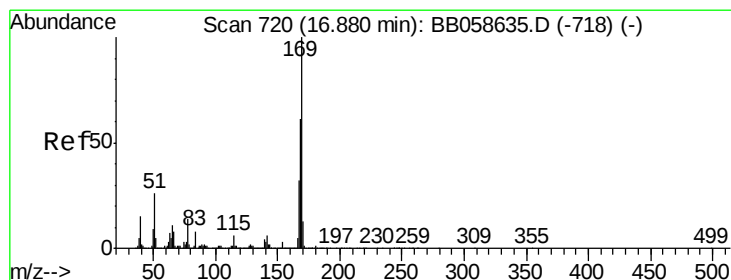
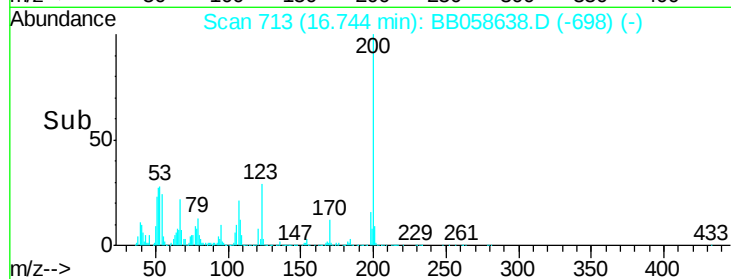
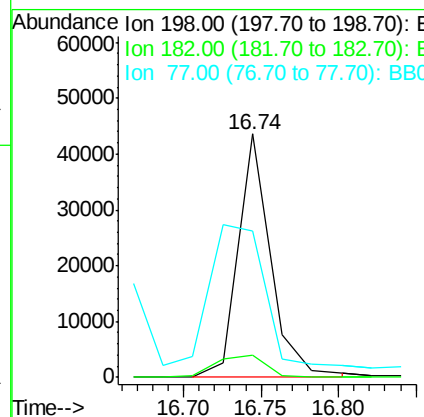
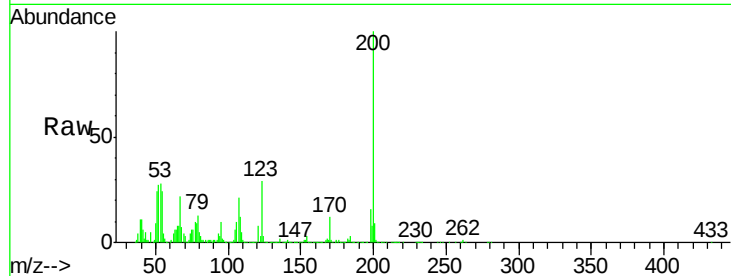
#63
 4,6-Dinitro-2-methylphenol
 Concen: 3.02 ng/ul
 RT: 16.74 min Scan# 713
 Delta R.T. -0.02 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S-ML

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	63304		
182	9.2	3.3	4.9#	
77	60.1	21.8	32.6#	

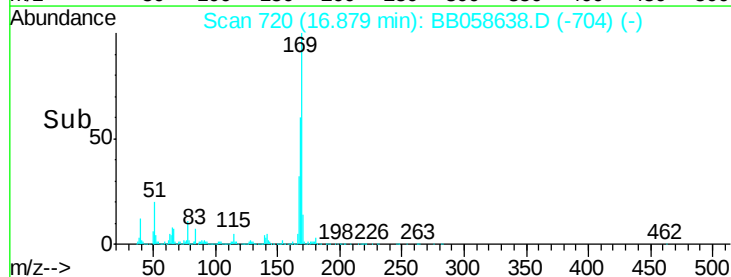
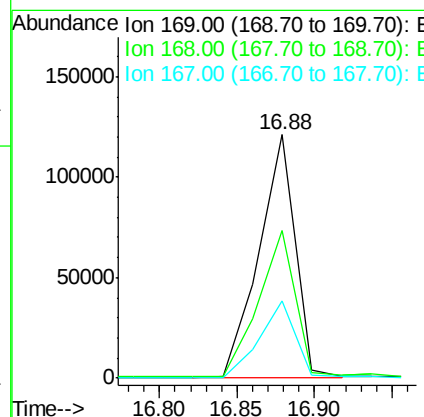
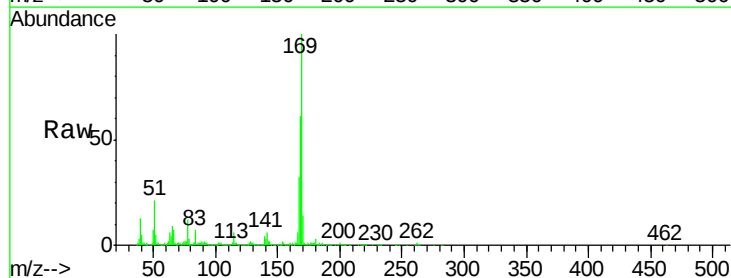
Manual Integrations
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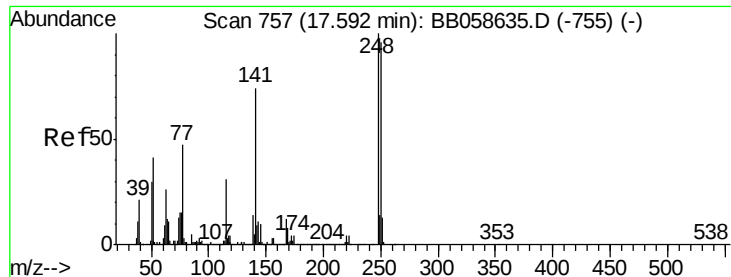
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#64
 N-Nitrosodiphenylamine
 Concen: 3.12 ng/ul
 RT: 16.88 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: BB058638.D
 Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	198915		
168	60.8	52.6	79.0	
167	31.7	28.6	43.0	





#65

4-Bromophenyl-phenylether

Concen: 2.86 ng/ul

RT: 17.59 min Scan# 757

Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

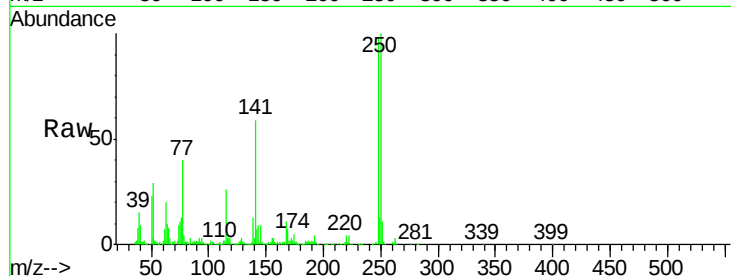
ClientSampleId :

MDL-02-S-ML

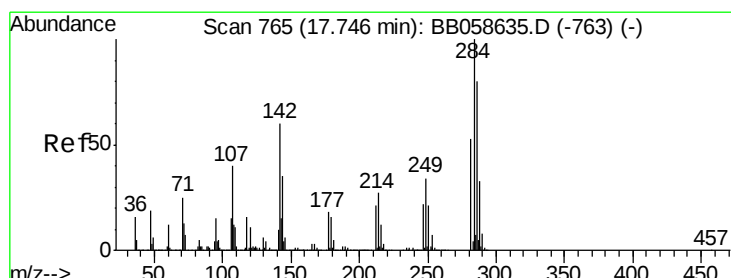
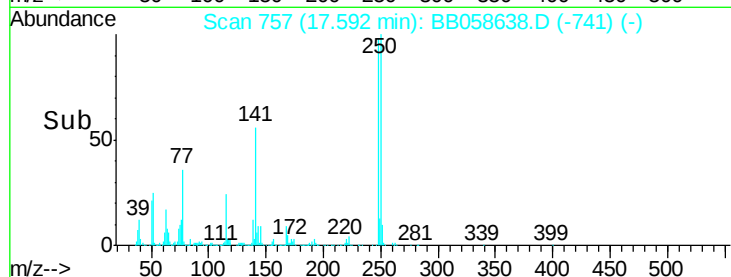
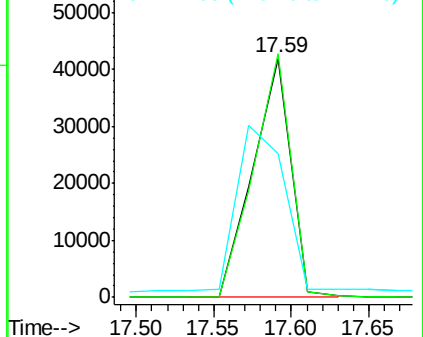
Tgt Ion:	248	Resp:	72474
Ion Ratio	Lower	Upper	
248	100		
250	102.0	79.7	119.5
141	60.3	58.3	87.5

Manual Integrations
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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: 2.97 ng/ul

RT: 17.75 min Scan# 765

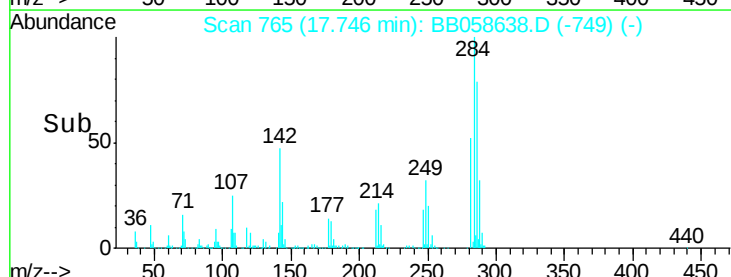
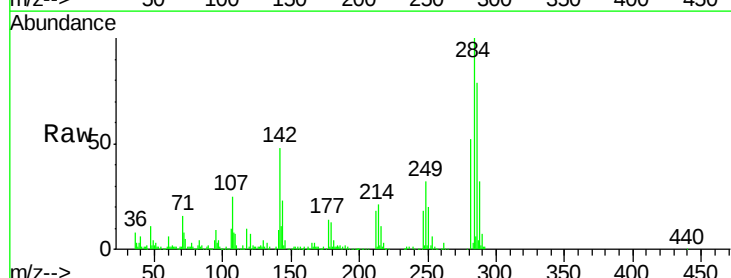
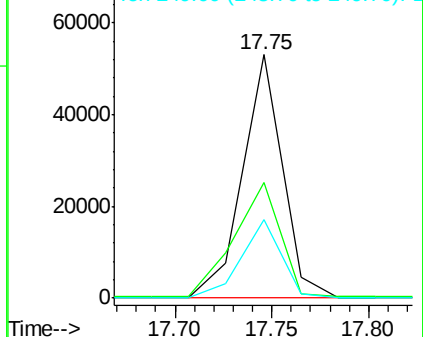
Delta R.T. -0.00 min

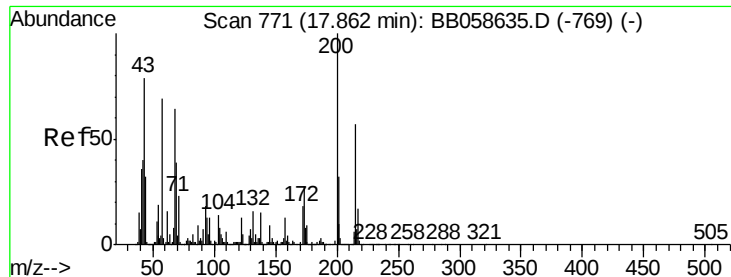
Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:	284	Resp:	75491
Ion Ratio	Lower	Upper	
284	100		
142	45.0	24.9	37.3#
249	30.6	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





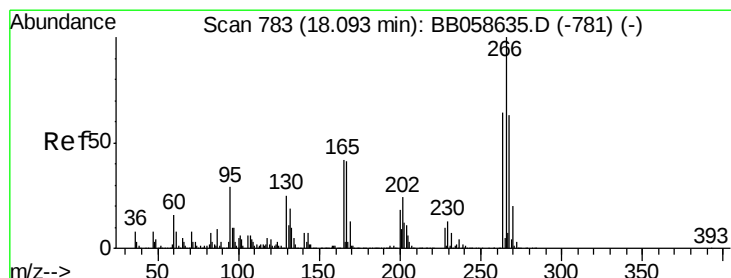
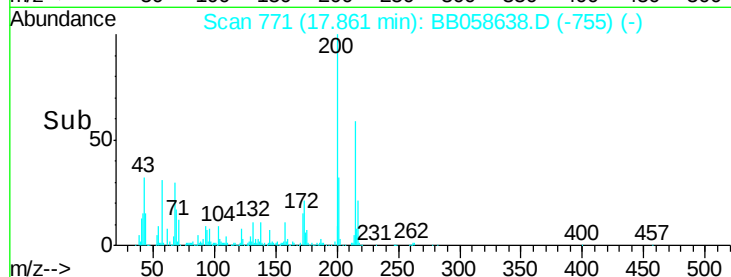
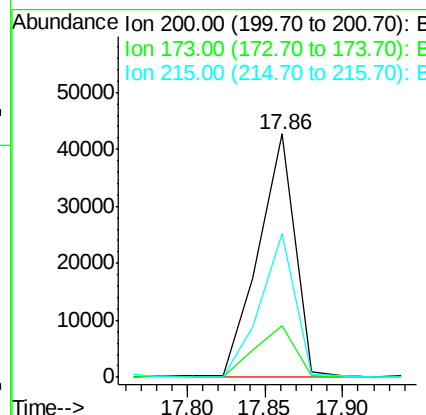
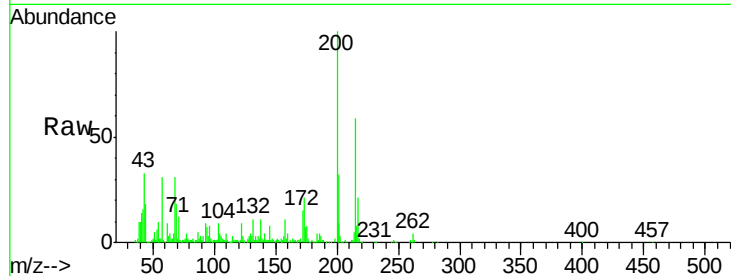
#67
Atrazine
Concen: 2.91 ng/ul
RT: 17.86 min Scan# 771
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	21.3	18.9	28.3
215	59.1	39.5	59.3

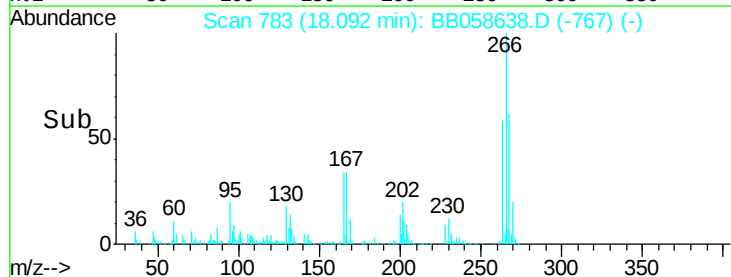
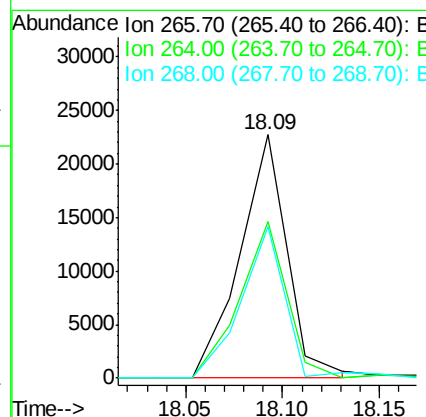
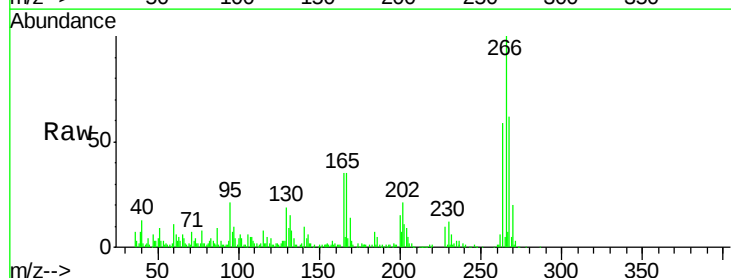
Manual Integrations
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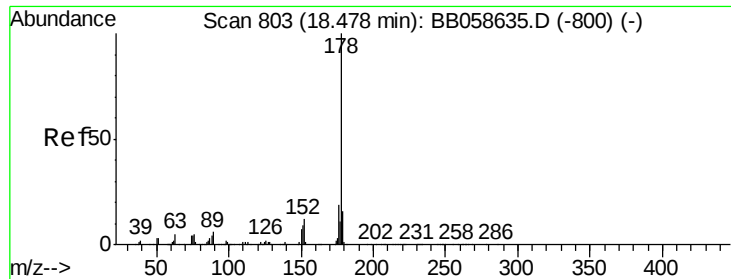
umangi
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#68
Pentachlorophenol
Concen: 2.11 ng/ul
RT: 18.09 min Scan# 783
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	64.5	50.6	75.8
268	62.4	51.0	76.6





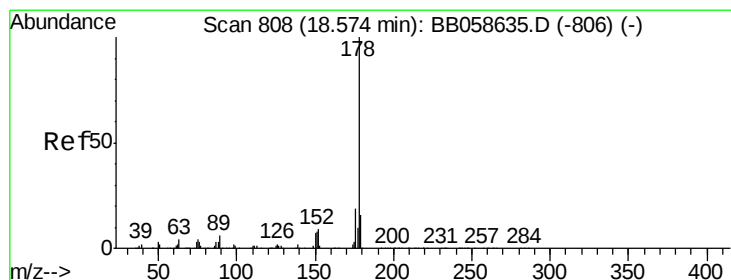
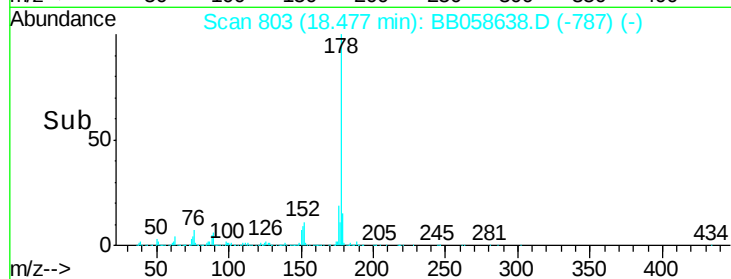
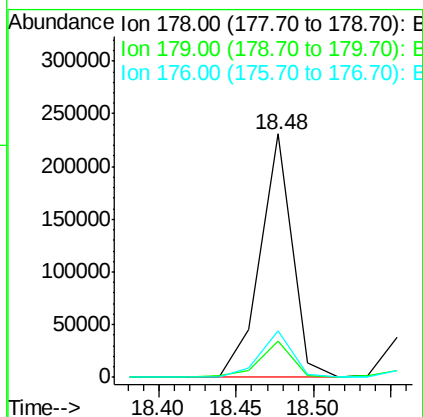
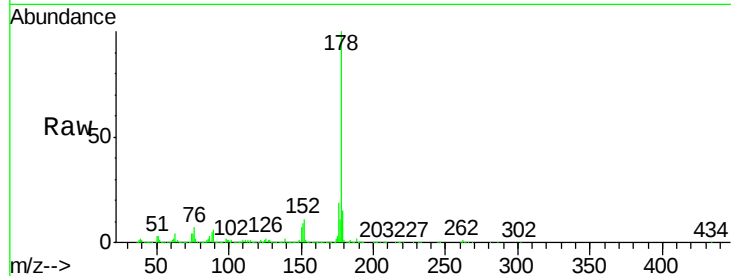
#69
Phenanthrene
Concen: 3.40 ng/ul
RT: 18.48 min Scan# 803
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.2	18.2
176	19.2	15.1	22.7

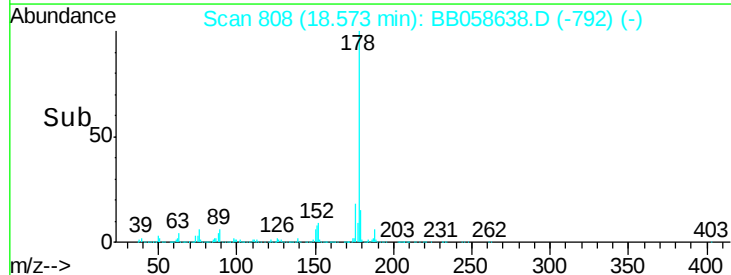
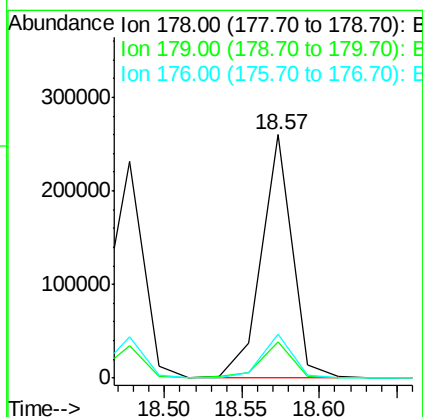
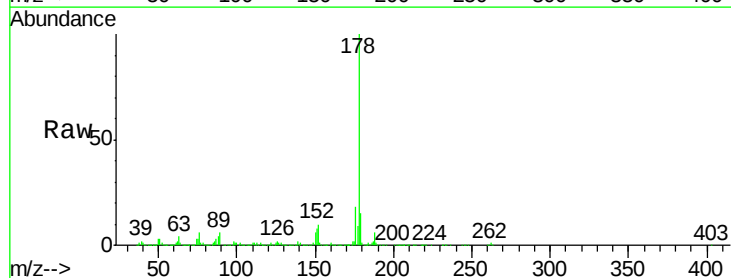
Manual Integrations
APPROVED

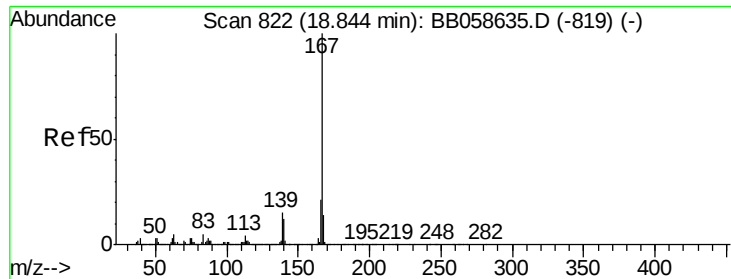
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#71
Anthracene
Concen: 3.56 ng/ul
RT: 18.57 min Scan# 808
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.1	18.1
176	18.3	14.5	21.7





#72

Carbazole

Concen: 3.27 ng/ul

RT: 18.84 min Scan# 822

Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

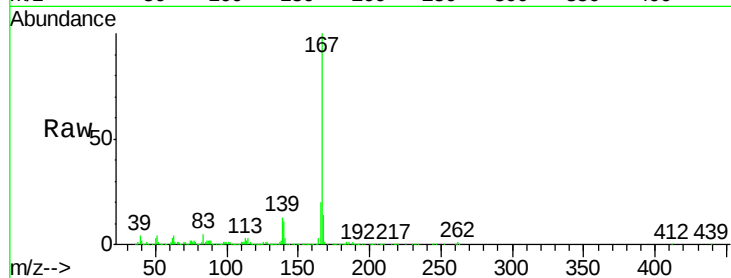
ClientSampleId :

MDL-02-S-ML

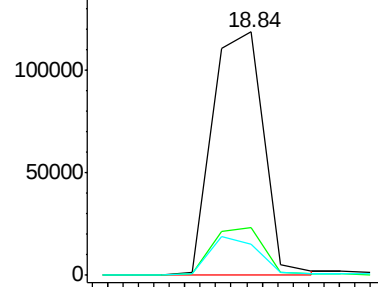
Tgt Ion:	167	Resp:	274439
Ion Ratio	Lower	Upper	
167	100		
166	19.8	16.6	25.0
139	13.0	10.2	15.4

Manual Integrations
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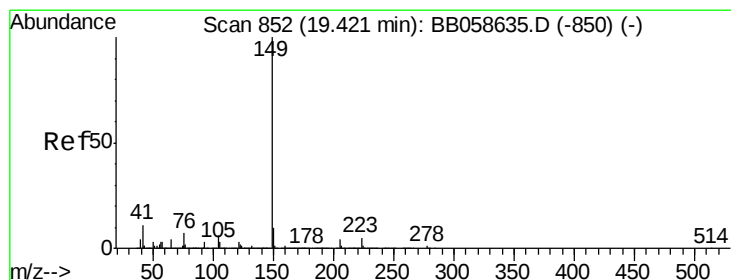
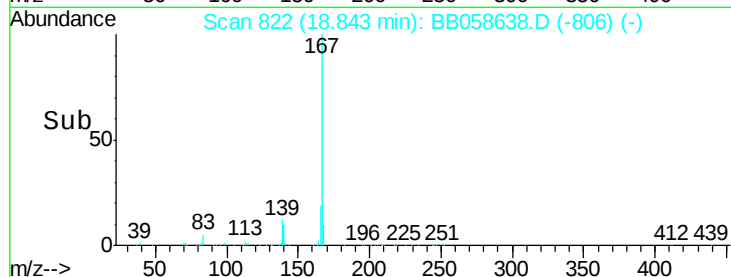
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->



#73

Di-n-butylphthalate

Concen: 3.58 ng/ul

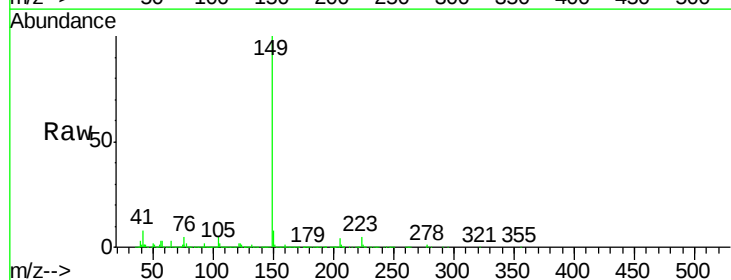
RT: 19.42 min Scan# 852

Delta R.T. -0.00 min

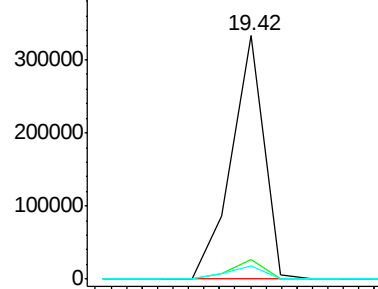
Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

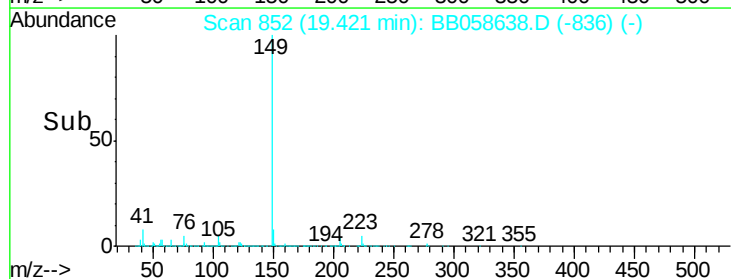
Tgt Ion:	149	Resp:	491838
Ion Ratio	Lower	Upper	
149	100		
150	8.3	7.6	11.4
104	5.5	4.6	7.0

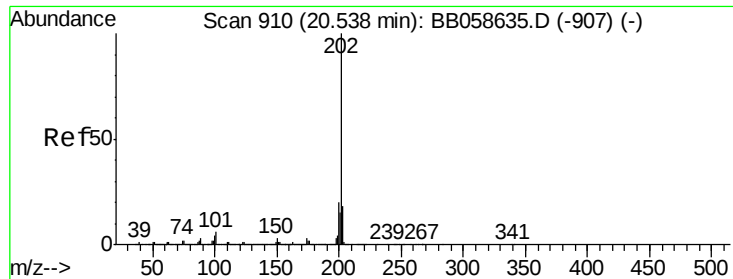


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->





#74

Fluoranthene

Concen: 3.36 ng/ul

RT: 20.52 min Scan# 909

Delta R.T. -0.02 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

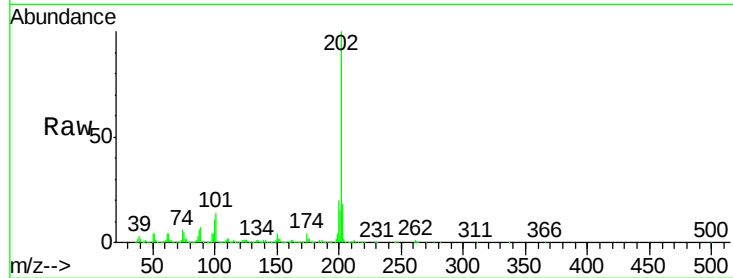
ClientSampleId :

MDL-02-S-ML

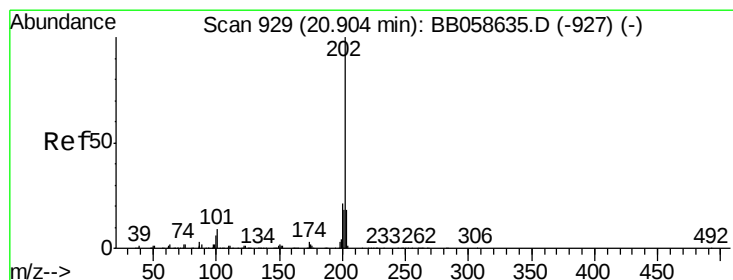
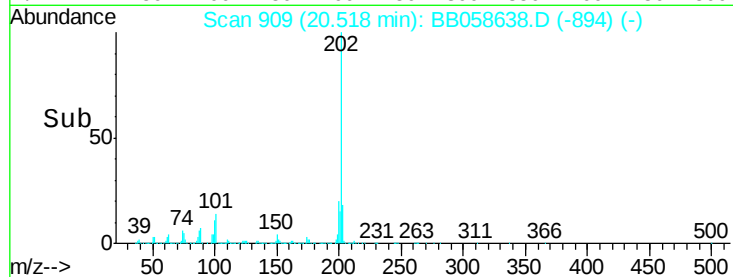
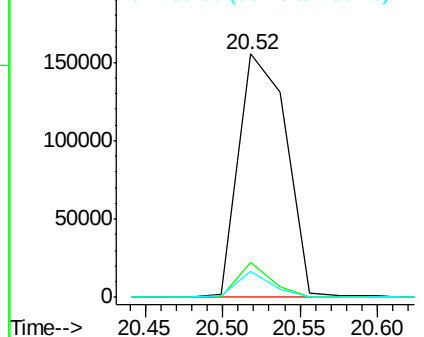
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		336919		
101	14.5	6.9	10.3#		
100	10.8	5.4	8.0#		

Manual Integrations
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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: 4.16 ng/ul

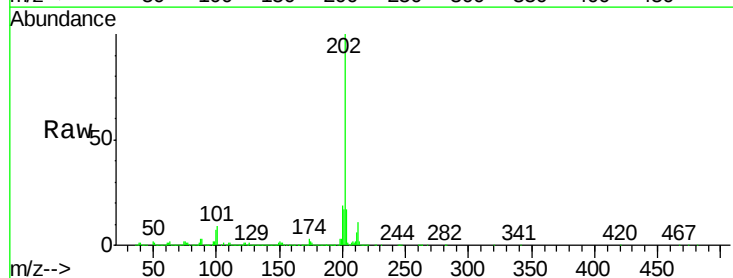
RT: 20.90 min Scan# 929

Delta R.T. -0.00 min

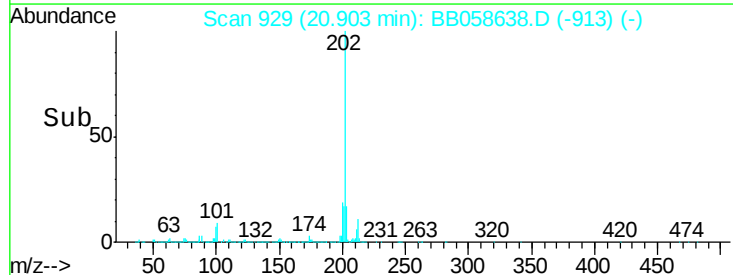
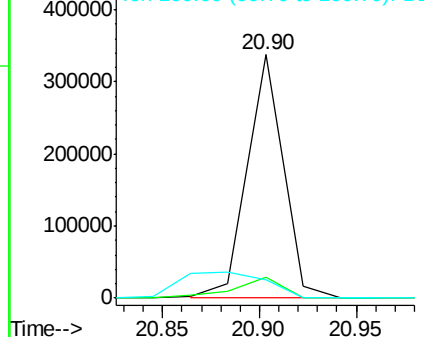
Lab File: BB058638.D

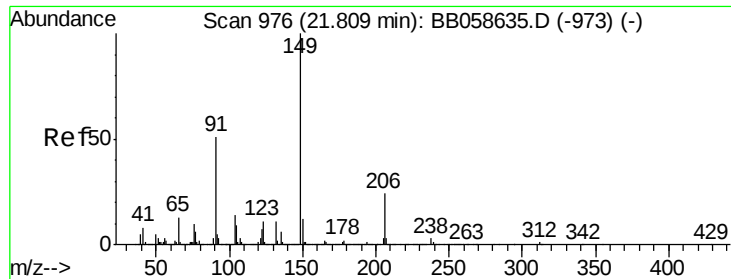
Acq: 18 Oct 2016 12:51

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		427439		
101	8.8	8.4	12.6		
100	7.4	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





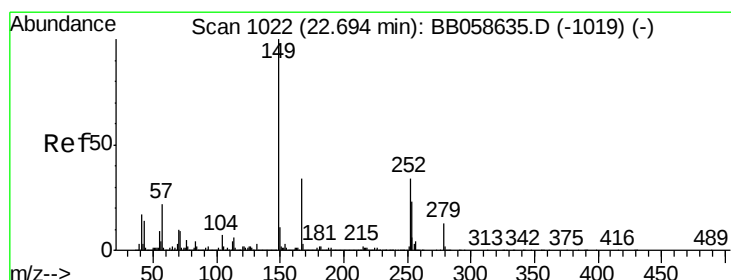
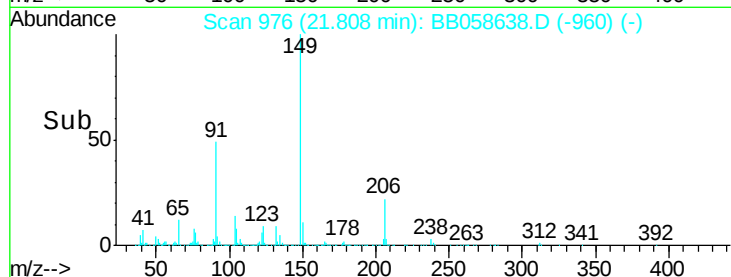
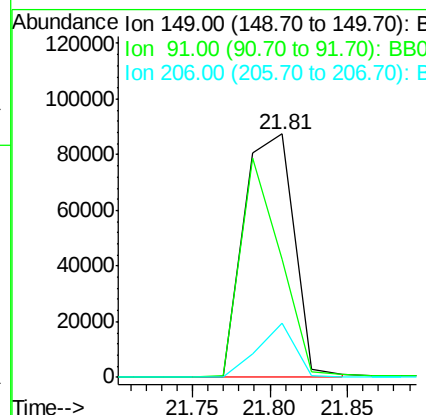
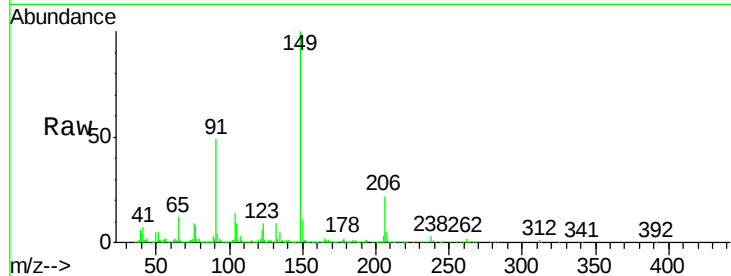
#78
Butylbenzylphthalate
Concen: 2.98 ng/ul
RT: 21.81 min Scan# 976
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	48.6	57.3	85.9#
206	22.3	18.6	27.8

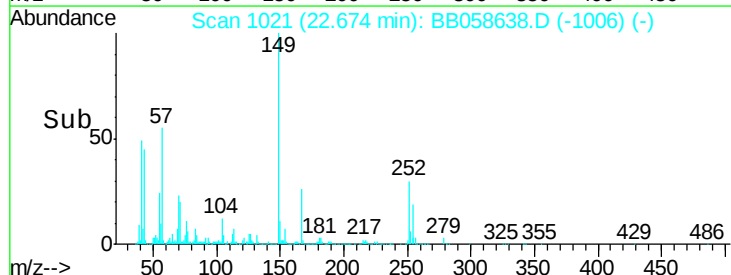
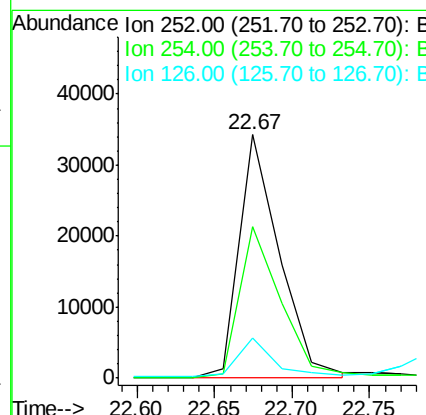
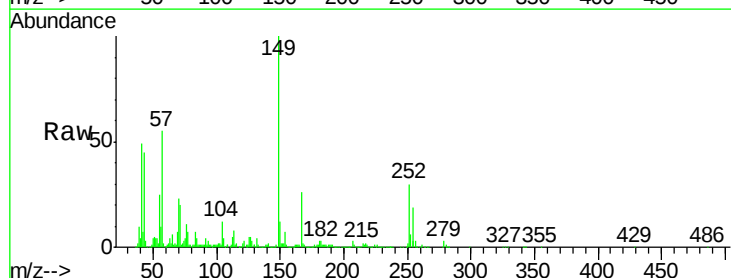
Manual Integrations
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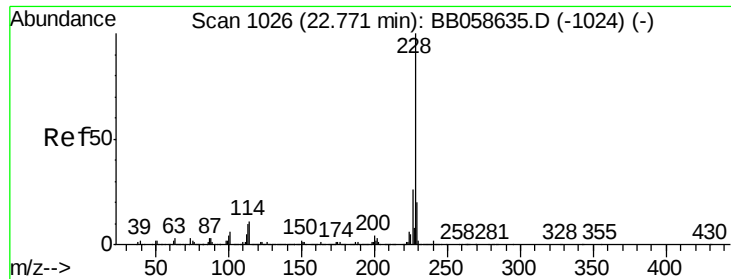
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#79
3,3'-Dichlorobenzidine
Concen: 1.80 ng/ul
RT: 22.67 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	62.1	51.0	76.4
126	16.3	7.1	10.7#





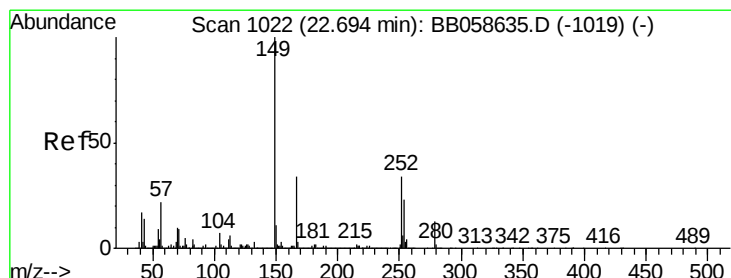
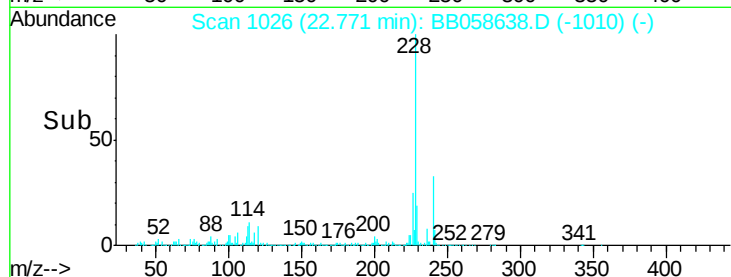
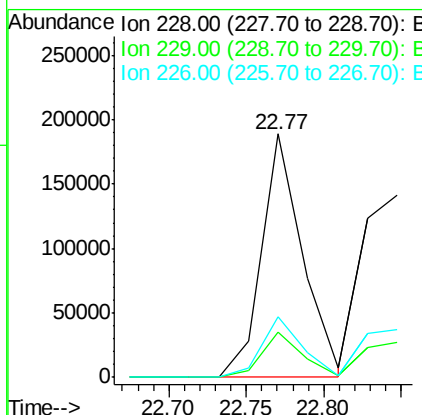
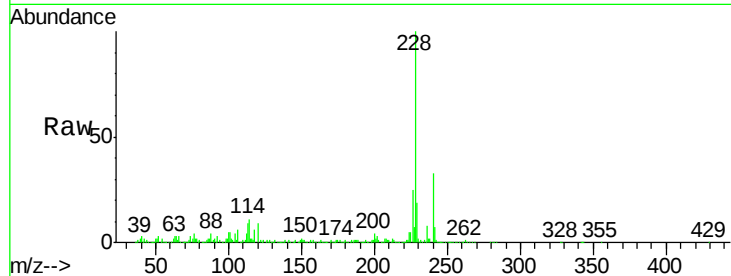
#80
Benzo(a)anthracene
Concen: 3.49 ng/ul
RT: 22.77 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.7	15.6	23.4
226	25.0	21.8	32.8

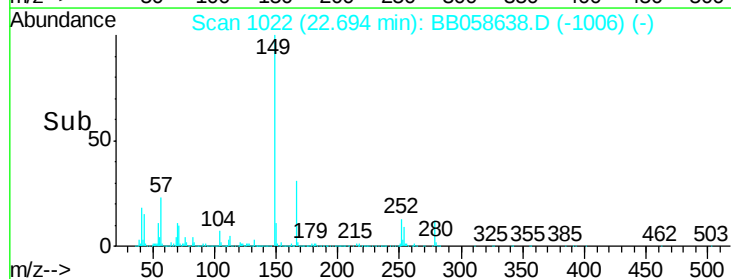
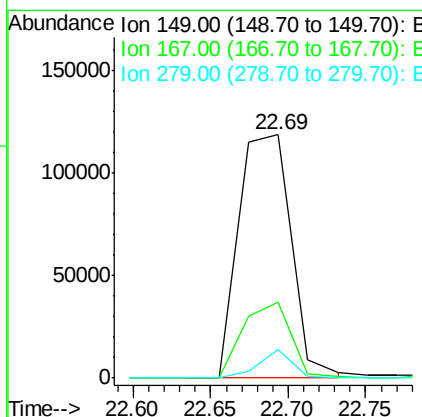
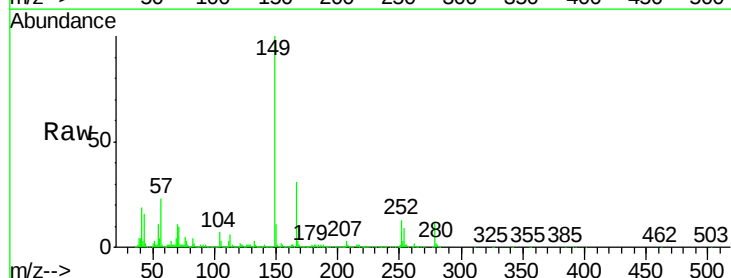
Manual Integrations
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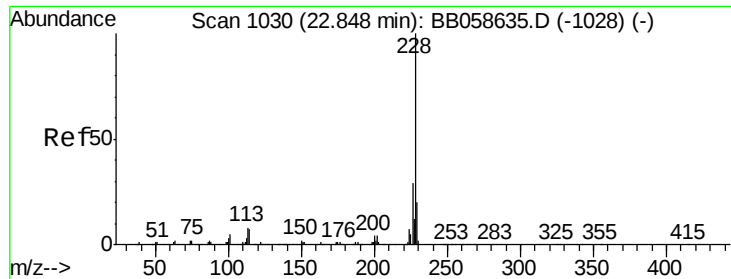
umangi
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#81
Bis(2-ethylhexyl)phthalate
Concen: 3.19 ng/ul
RT: 22.69 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.2	23.2	34.8
279	12.0	4.1	6.1#





#82

Chrysene

Concen: 3.29 ng/ul

RT: 22.85 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

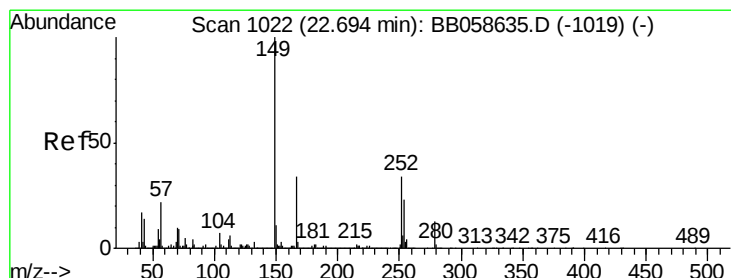
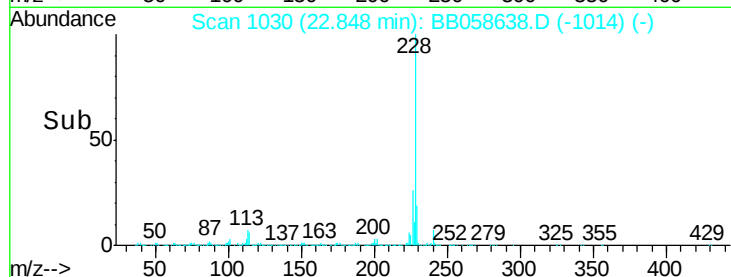
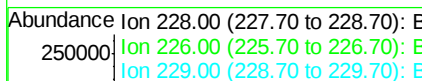
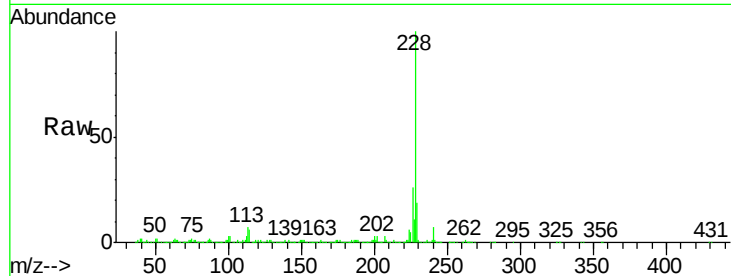
ClientSampled :

MDL-02-S-ML

Tgt Ion:	228	Resp:	308302
Ion Ratio	Lower	Upper	
228	100		
226	26.5	23.4	35.2
229	19.4	15.5	23.3

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 3.69 ng/ul

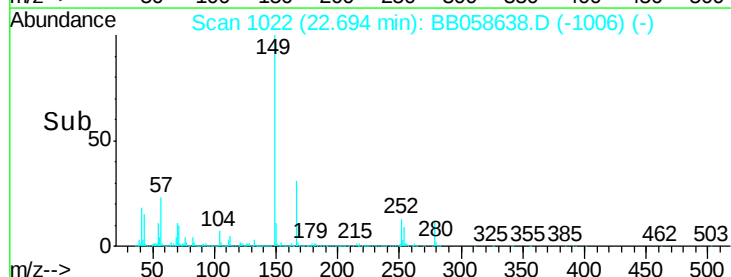
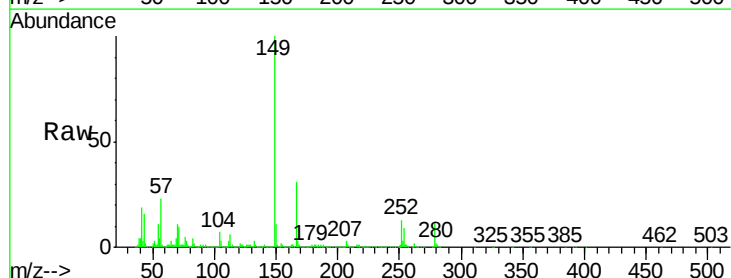
RT: 22.69 min Scan# 1022

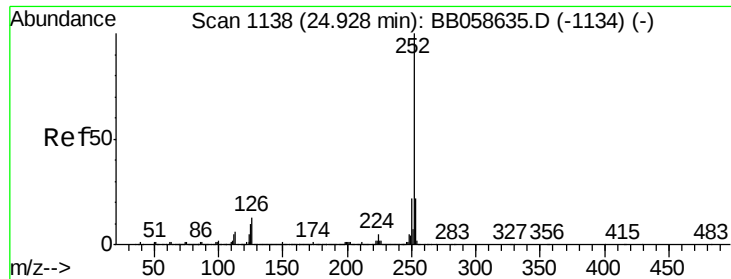
Delta R.T. -0.00 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion:	149	Resp:	282170
Ion Ratio	Lower	Upper	
149	100		
167	31.2	1.3	1.9#
43	15.7	6.6	10.0#





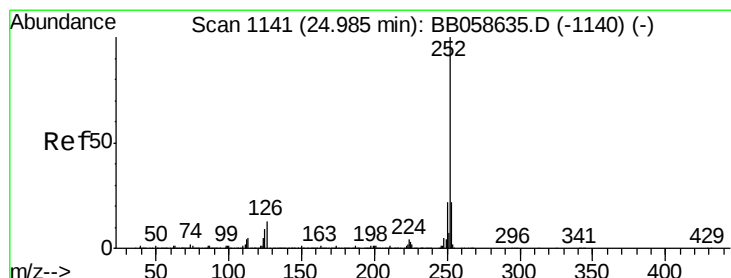
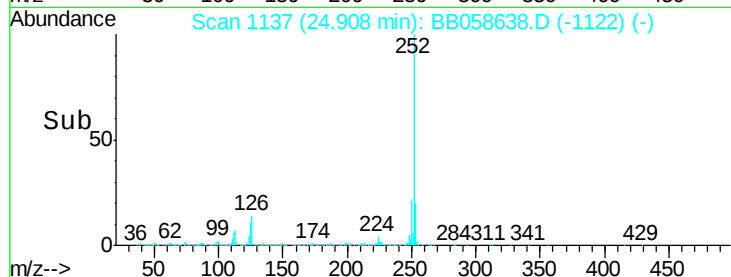
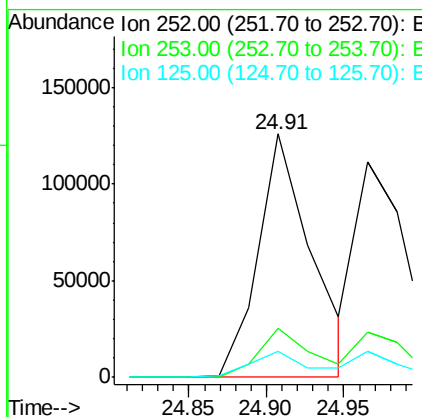
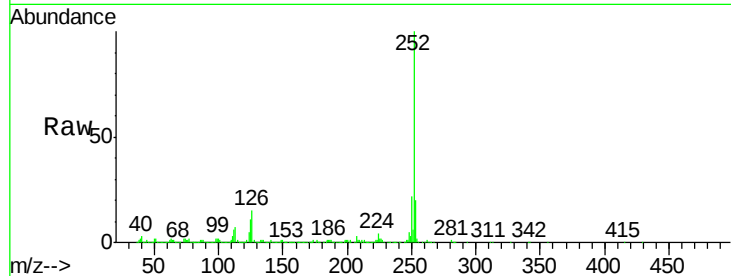
#85
Benzo(b)fluoranthene
Concen: 3.12 ng/ul
RT: 24.91 min Scan# 1137
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.9	17.1	25.7
125	10.6	5.8	8.8#

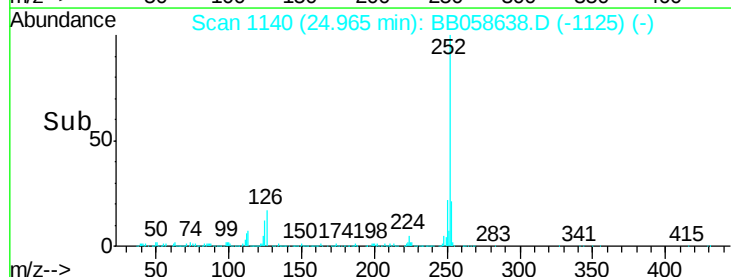
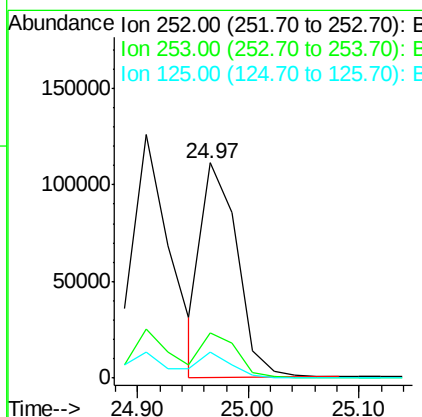
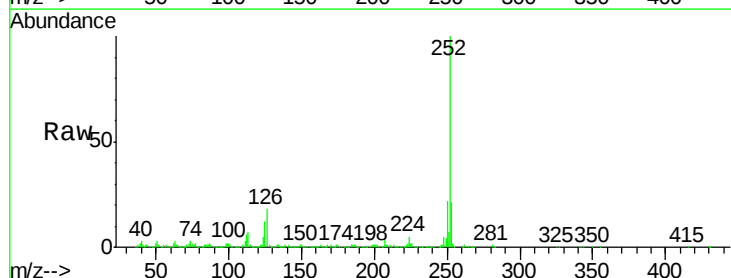
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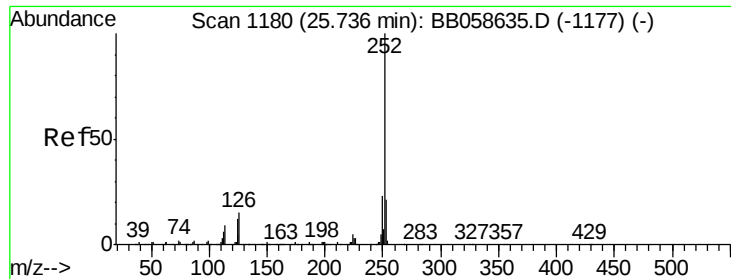
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#86
Benzo(k)fluoranthene
Concen: 3.26 ng/ul
RT: 24.97 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.6	26.4
125	12.2	5.7	8.5#





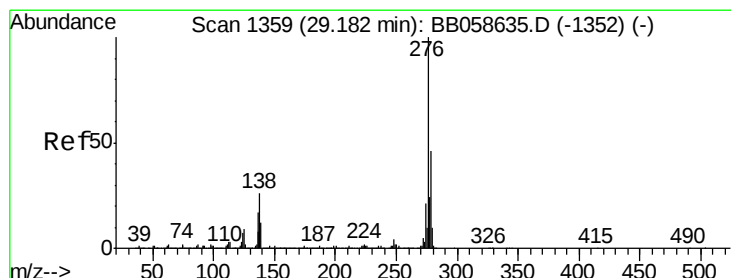
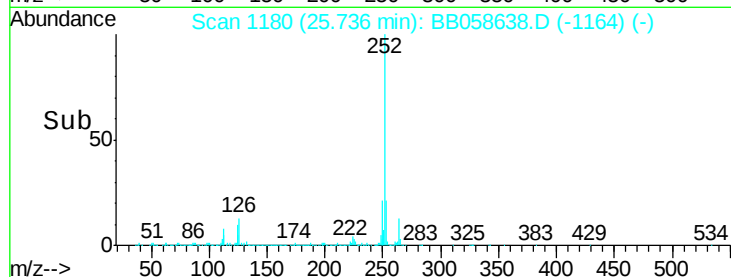
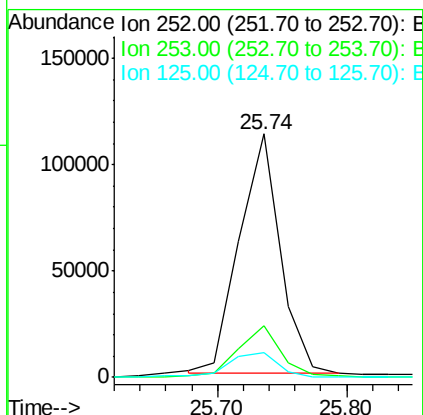
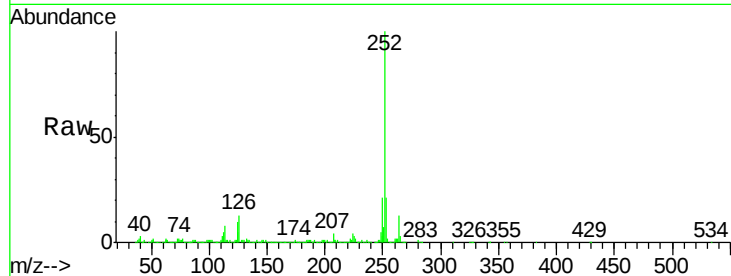
#88
Benzo(a)pyrene
Concen: 3.03 ng/ul
RT: 25.74 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Instrument :
BNA_B
ClientSampleId :
MDL-02-S-ML

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.0	17.7	26.5
125	10.3	6.6	9.8

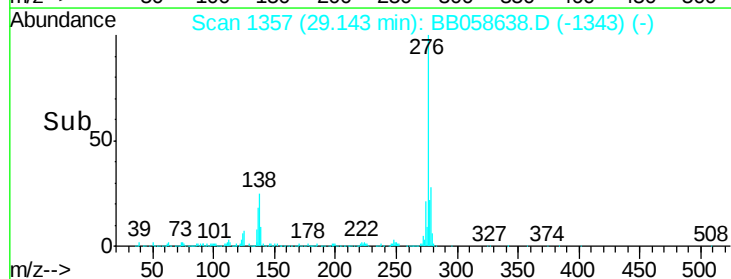
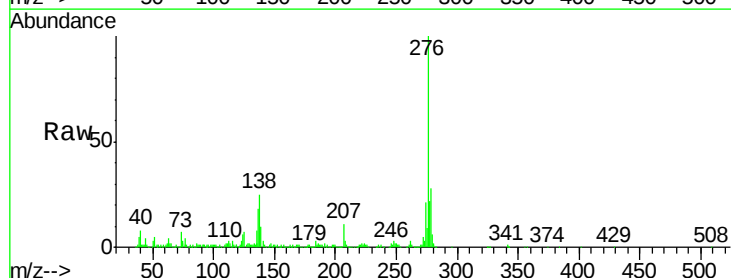
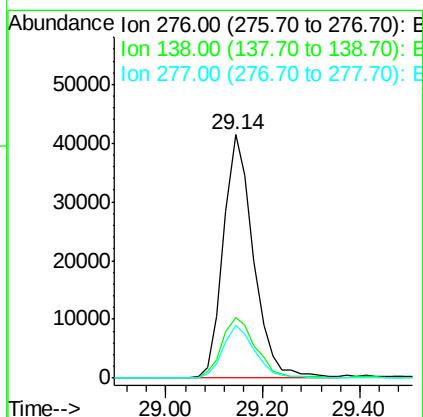
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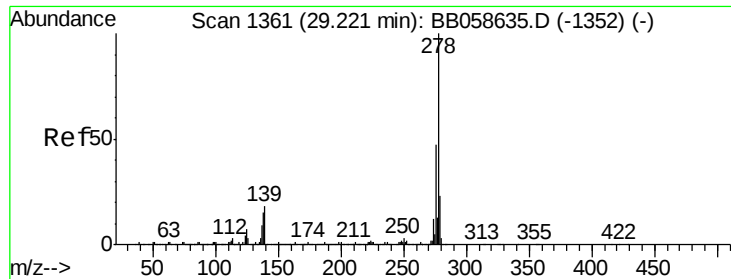
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.51 ng/ul
RT: 29.14 min Scan# 1357
Delta R.T. -0.04 min
Lab File: BB058638.D
Acq: 18 Oct 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	24.8	13.9	20.9
277	21.6	20.1	30.1





#90

Dibenzo(a,h)anthracene

Concen: 2.32 ng/ul

RT: 29.18 min Scan# 1359

Delta R.T. -0.04 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Instrument :

BNA_B

ClientSampleId :

MDL-02-S-ML

Tgt Ion: 278 Resp: 137468
Ion Ratio Lower Upper

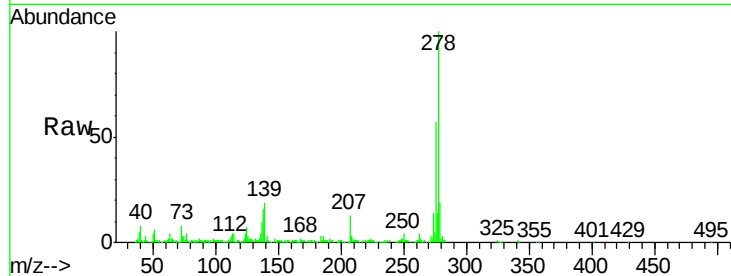
278 100

139 19.1 9.5 14.3#

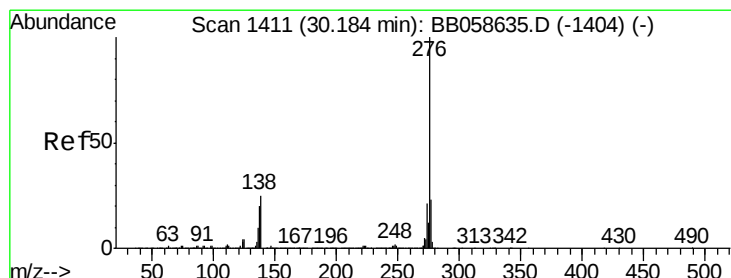
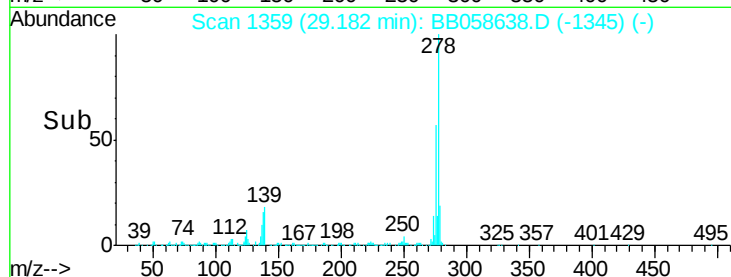
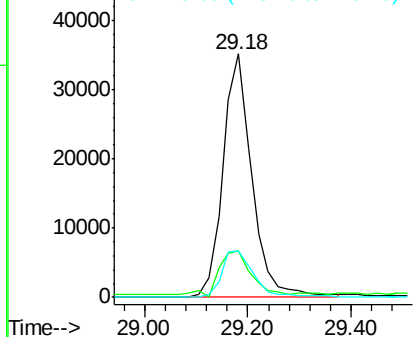
279 19.0 19.1 28.7#

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



#91

Benzo(g,h,i)perylene

Concen: 2.54 ng/ul

RT: 30.14 min Scan# 1409

Delta R.T. -0.04 min

Lab File: BB058638.D

Acq: 18 Oct 2016 12:51

Tgt Ion: 276 Resp: 143333
Ion Ratio Lower Upper

276 100

138 25.5 13.5 20.3#

277 22.8 19.3 28.9

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

