

Data Path : Z:\HPCHEM1\BNA_B\DATA\BB101116\
 Data File : BB058605.D
 Acq On : 11 Oct 2016 13:02
 Operator : UM/SJ
 Sample : MDL-02-S
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_B
 ClientSampleID :
 MDL-02-S

Manual Integrations
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Quant Time: Oct 11 14:30:25 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 11 14:09:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	490436	20.00	ng/ul	-0.02
18) Naphthalene-d8	11.62	136	1838900	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	1088046	20.00	ng/ul	-0.02
61) Phenanthrene-d10	18.42	188	1807739m	20.00	ng/ul	-0.02
75) Chrysene-d12	22.79	240	1883688	20.00	ng/ul	-0.02
83) Perylene-d12	25.87	264	1507552	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.63	96	83687	7.73	ng/uL	0.00
5) Phenol-d5	7.79	99	1207748	33.90	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.95	67	820615	34.38	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1323995	35.82	ng/ul	-0.02
13) 4-Methylphenol-d8	9.43	113	1003036	34.01	ng/ul	-0.02
19) Nitrobenzene-d5	9.87	128	675407	35.52	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.64	143	762171	37.25	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	11.22	165	1027138	35.42	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.74	131	1365800	39.13	ng/ul	-0.02
43) Dimethylphthalate-d6	14.95	166	2814833	38.91	ng/ul	-0.02
46) Acenaphthylene-d8	15.24	160	3144481	36.85	ng/ul	-0.02
51) 4-Nitrophenol-d4	15.76	143	525227	31.61	ng/ul	-0.04
57) Fluorene-d10	16.61	176	2230628	37.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.71	200	543813	28.33	ng/ul	-0.04
70) Anthracene-d10	18.52	188	2905758	35.94	ng/ul	-0.02
76) Pyrene-d10	20.87	212	3215474	38.85	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.68	264	2524939	36.68	ng/ul	-0.02

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.67	88	11588	1.08 ng/uL#	72
4) Benzaldehyde	7.72	77	61985	2.70 ng/ul	85
6) Phenol	7.81	94	109796	3.11 ng/ul#	12
8) Bis(2-Chloroethyl)ether	8.04	93	91492	3.14 ng/ul	89
10) 2-Chlorophenol	8.20	128	115735	3.29 ng/ul#	71
11) 2-Methylphenol	9.14	108	87357	3.08 ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	9.24	45	163553	3.19 ng/ul#	89
14) Acetophenone	9.53	105	137386	3.18 ng/ul#	79
15) N-Nitroso-di-n-propylamine	9.53	70	78416	3.07 ng/ul#	53
16) 4-Methylphenol	9.49	108	93399	3.05 ng/ul	98
17) Hexachloroethane	9.81	117	50514	2.96 ng/ul#	66
20) Nitrobenzene	9.91	77	117546	3.29 ng/ul#	97
21) Isophorone	10.49	82	212776	3.09 ng/ul#	91
23) 2-Nitrophenol	10.68	139	71338	3.34 ng/ul	92
24) 2,4-Dimethylphenol	10.76	107	111811	3.20 ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.99	93	107149	3.23 ng/ul#	93
27) 2,4-Dichlorophenol	11.26	162	96498	3.32 ng/ul#	93
28) Naphthalene	11.66	128	300215	3.43 ng/ul	99
30) 4-Chloroaniline	11.76	127	115800	3.50 ng/ul#	88
31) Hexachlorobutadiene	12.01	225	67158	3.39 ng/ul	94
32) Caprolactam	12.59	113	28163	2.67 ng/ul	88
33) 4-Chloro-3-methylphenol	12.93	107	90707	3.13 ng/ul	97
34) 2-Methylnaphthalene	13.32	142	206328	3.42 ng/ul	98

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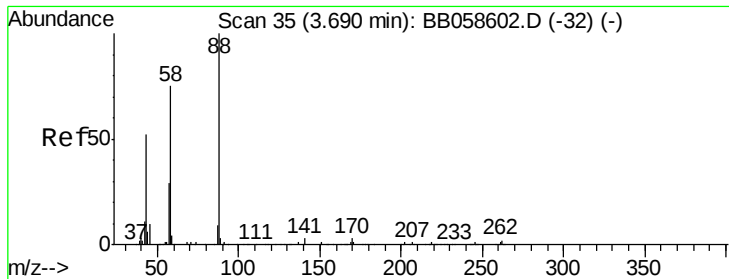
Manual Integrations
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Quant Time: Oct 11 14:30:25 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.72	216	108741	3.25	ng/ul	97
37) Hexachlorocyclopentadiene	13.72	237	44150	2.09	ng/ul	98
38) 2,4,6-Trichlorophenol	13.95	196	67264	3.31	ng/ul	99
39) 2,4,5-Trichlorophenol	14.03	196	66551	3.09	ng/ul	97
40) 1,1'-Biphenyl	14.36	154	249074	3.41	ng/ul#	98
41) 2-Chloronaphthalene	14.40	162	190481	3.28	ng/ul	96
42) 2-Nitroaniline	14.59	65	65942	2.95	ng/ul#	90
44) Dimethylphthalate	14.99	163	250425	3.46	ng/ul#	97
45) 2,6-Dinitrotoluene	15.11	165	57580	3.15	ng/ul#	86
47) Acenaphthylene	15.28	152	295737	3.57	ng/ul	100
48) 3-Nitroaniline	14.59	138	68029	2.84	ng/ul#	42
49) Acenaphthene	15.63	153	186452	3.28	ng/ul	92
50) 2,4-Dinitrophenol	15.65	184	20458	1.57	ng/ul#	1
52) 4-Nitrophenol	15.78	109	40870	3.02	ng/ul#	81
53) Dibenzofuran	15.97	168	277680	3.43	ng/ul	93
54) 2,4-Dinitrotoluene	15.92	165	78217	3.07	ng/ul#	80
55) 2,3,4,6-Tetrachlorophenol	16.23	232	61350	3.26	ng/ul#	93
56) Diethylphthalate	16.42	149	262456	3.50	ng/ul	95
58) Fluorene	16.65	166	213678	3.24	ng/ul	90
59) 4-Chlorophenyl-phenylether	16.65	204	111684	3.16	ng/ul	94
60) 4-Nitroaniline	16.65	138	37868	2.01	ng/ul#	74
63) 4,6-Dinitro-2-methylphenol	16.73	198	55765	2.91	ng/ul#	72
64) N-Nitrosodiphenylamine	16.86	169	189851	3.25	ng/ul	92
65) 4-Bromophenyl-phenylether	17.57	248	68719	2.97	ng/ul	91
66) Hexachlorobenzene	17.73	284	75238	3.24	ng/ul	95
67) Atrazine	17.84	200	68033	3.06	ng/ul#	86
68) Pentachlorophenol	18.07	266	37346	2.27	ng/ul	96
69) Phenanthrene	18.46	178	309844m	3.44	ng/ul	
71) Anthracene	18.55	178	326420	3.55	ng/ul	99
72) Carbazole	18.82	167	260194	3.39	ng/ul	97
73) Di-n-butylphthalate	19.40	149	482848	3.85	ng/ul	99
74) Fluoranthene	20.52	202	334680	3.65	ng/ul#	93
77) Pyrene	20.88	202	359503	3.65	ng/ul#	95
78) Butylbenzylphthalate	21.79	149	221366	3.47	ng/ul#	91
79) 3,3'-Dichlorobenzidine	22.67	252	69380	2.08	ng/ul	98
80) Benzo(a)anthracene	22.77	228	325514	3.39	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	22.67	149	278314	3.28	ng/ul	100
82) Chrysene	22.83	228	309931	3.45	ng/ul	99
84) Di-n-octyl phthalate	22.67	149	278314	3.55	ng/ul#	44
85) Benzo(b)fluoranthene	24.91	252	274401	2.76	ng/ul	99
86) Benzo(k)fluoranthene	24.97	252	280981m	3.64	ng/ul	
88) Benzo(a)pyrene	25.74	252	250928	2.99	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.16	276	195105	2.67	ng/ul#	92
90) Dibenzo(a,h)anthracene	29.20	278	155357	2.56	ng/ul#	91
91) Benzo(g,h,i)perylene	30.16	276	160209	2.77	ng/ul#	92

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



#2

1,4-Dioxane

Concen: 1.08 ng/uL

RT: 3.67 min Scan# 34

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

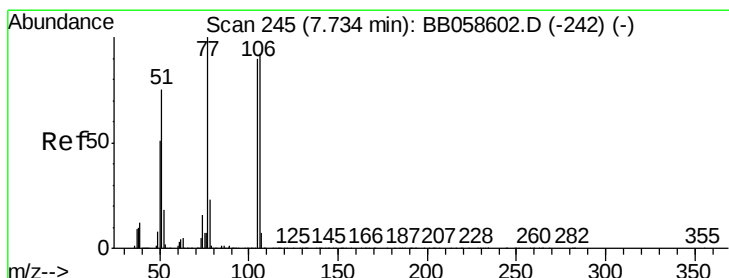
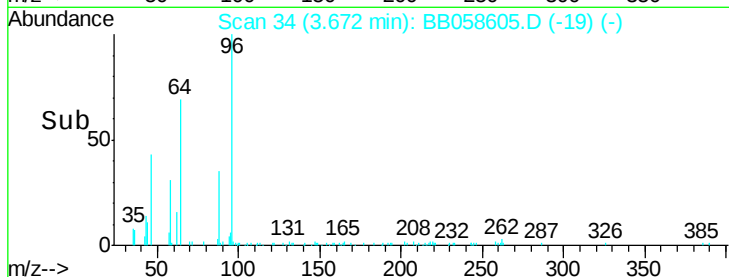
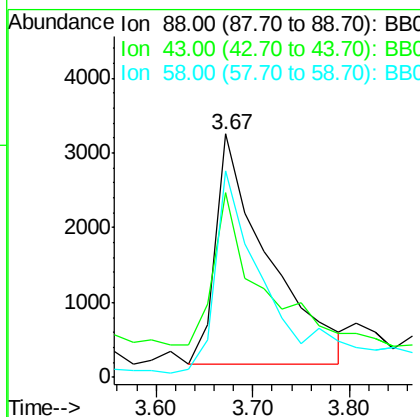
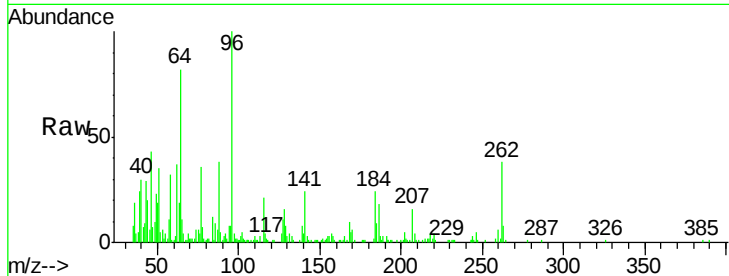
ClientSampleId :

MDL-02-S

Tgt Ion	Ratio	Lower	Upper
88	100		
43	79.9	22.6	34.0#
58	72.0	57.3	85.9

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#4

Benzaldehyde

Concen: 2.70 ng/uL

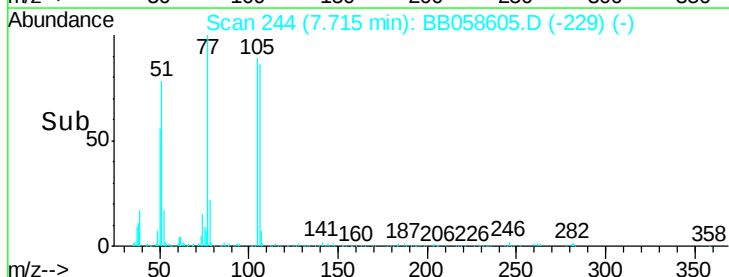
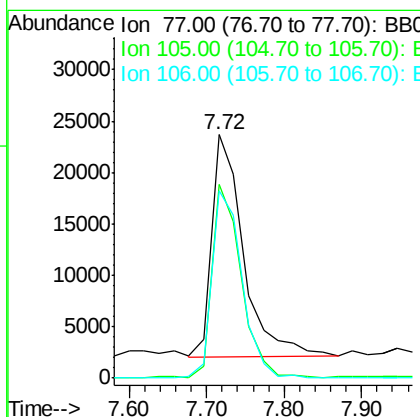
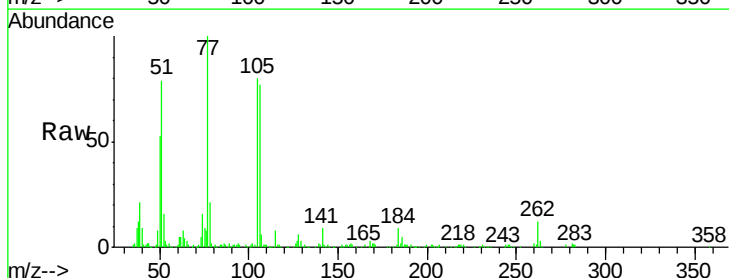
RT: 7.72 min Scan# 244

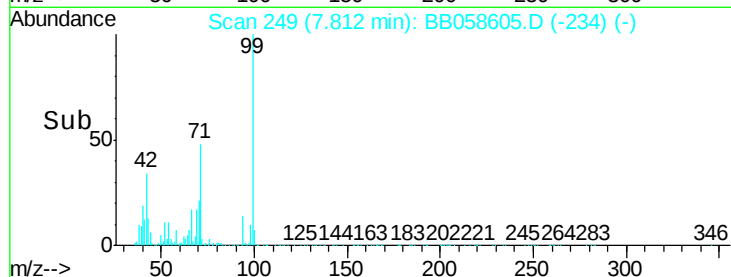
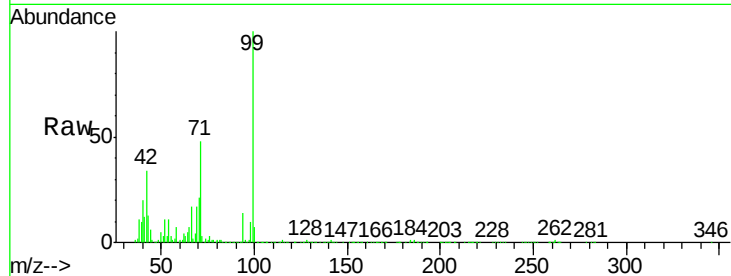
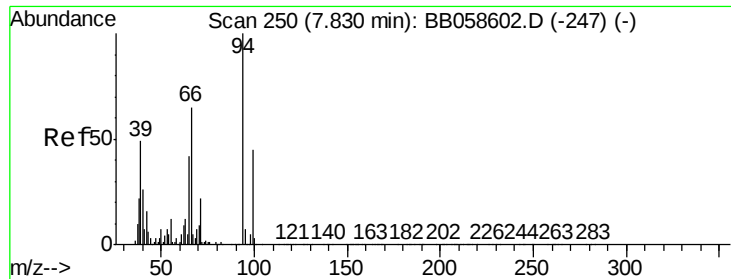
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Lower	Upper
77	100		
105	79.6	76.9	115.3
106	76.9	71.8	107.8





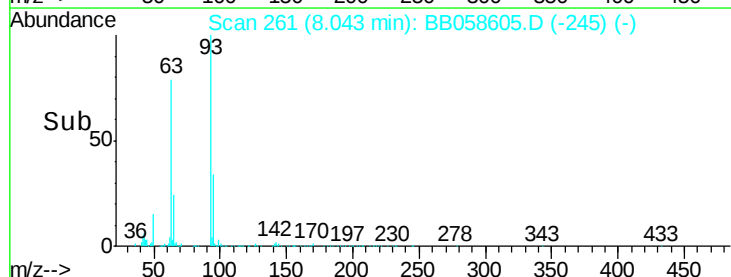
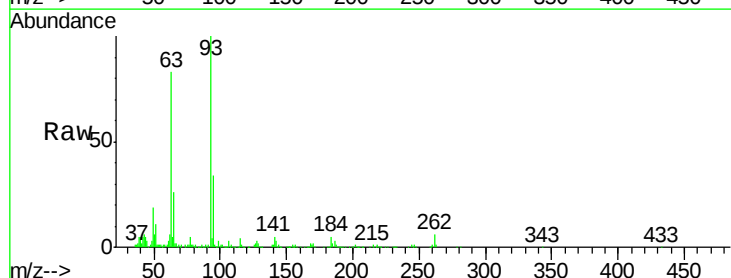
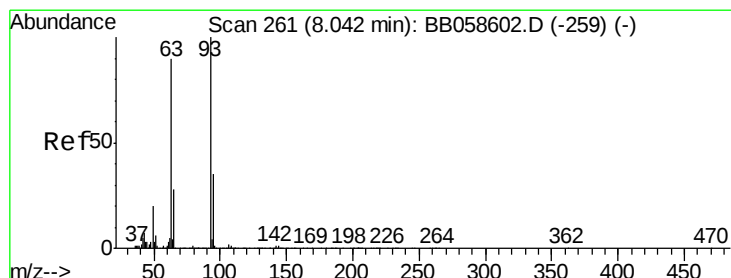
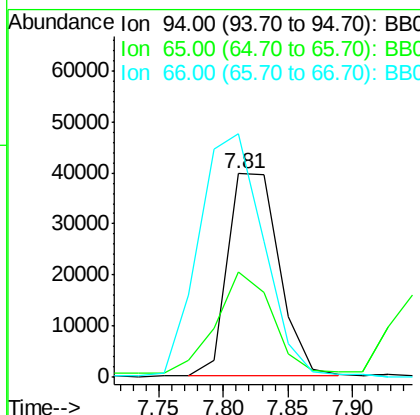
#6
Phenol
Concen: 3.11 ng/ul
RT: 7.81 min Scan# 249
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	109796		
65	51.5	23.9	35.9#	
66	119.7	33.5	50.3#	

Instrument :
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ClientSampleId :
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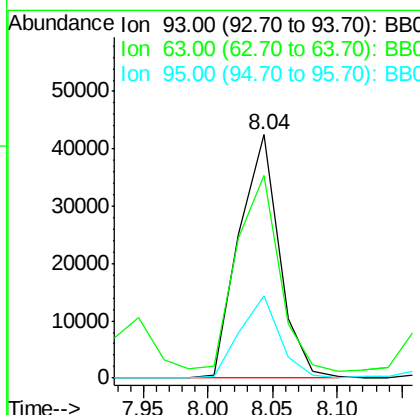
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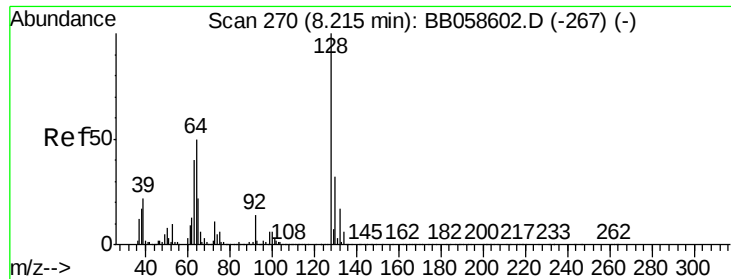
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#8
Bis(2-Chloroethyl)ether
Concen: 3.14 ng/ul
RT: 8.04 min Scan# 261
Delta R.T. 0.00 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	91492		
63	83.1	57.3	85.9	
95	33.8	25.1	37.7	





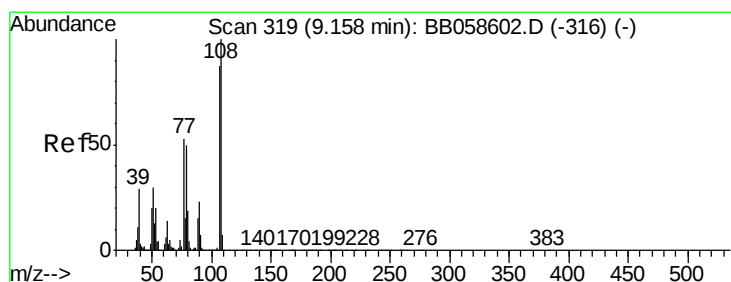
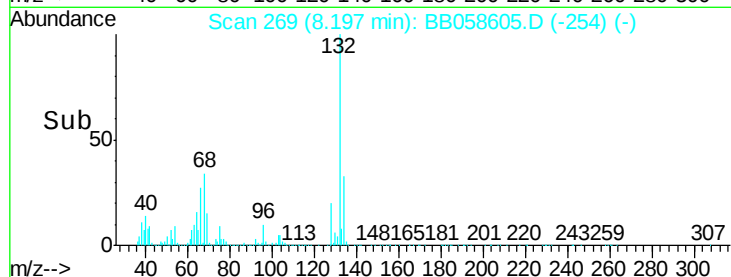
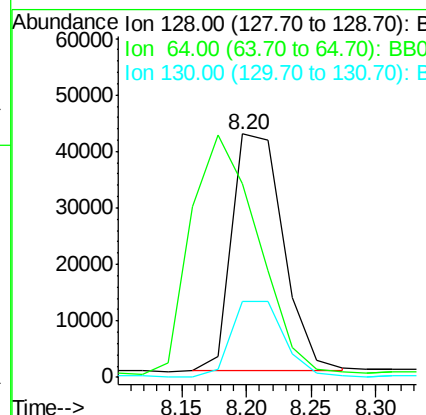
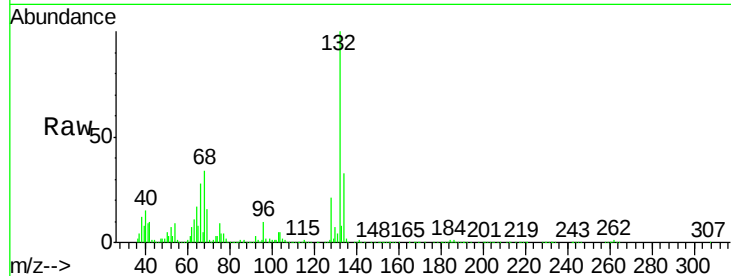
#10
2-Chlorophenol
Concen: 3.29 ng/ul
RT: 8.20 min Scan# 269
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	115735		
64	79.5	37.5	56.3#	
130	31.1	25.0	37.4	

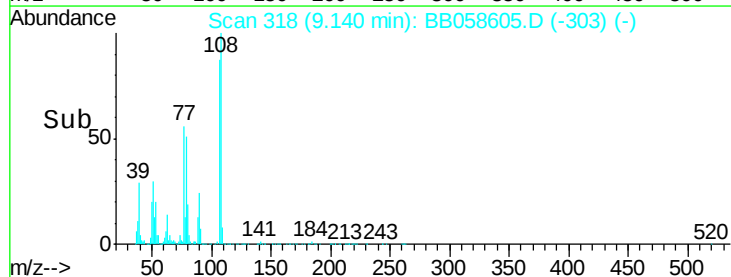
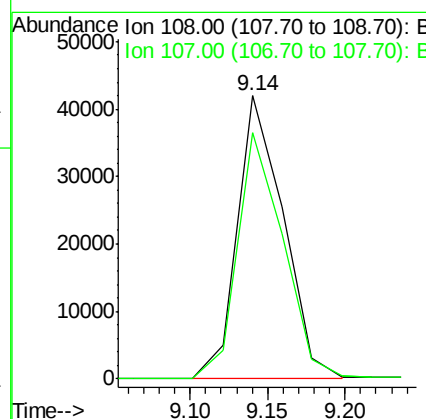
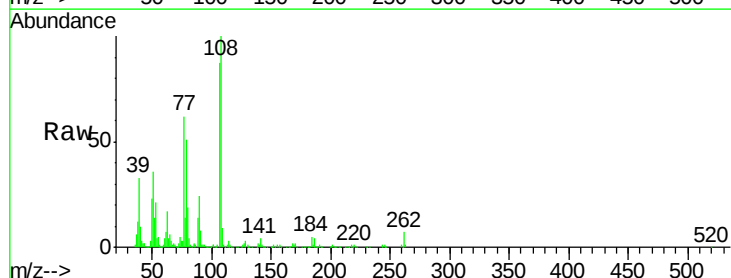
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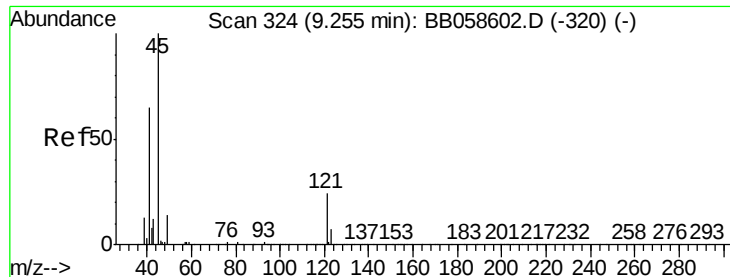
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#11
2-Methylphenol
Concen: 3.08 ng/ul
RT: 9.14 min Scan# 318
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	87357		
107	86.9	71.8	107.6	





#12

2,2'-oxybis(1-Chloropropane)

Concen: 3.19 ng/ul

RT: 9.24 min Scan# 323

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

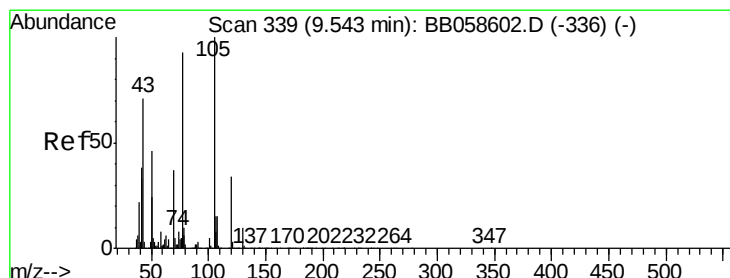
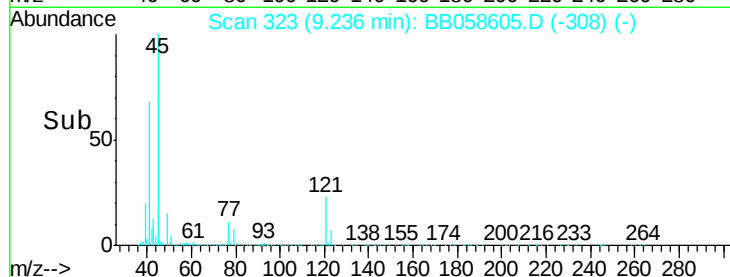
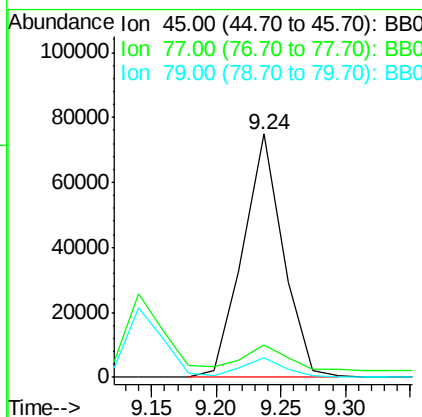
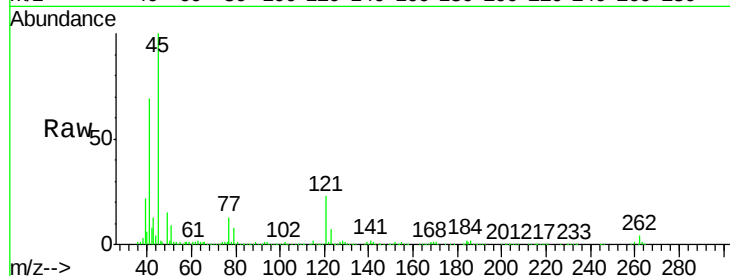
ClientSampleID :

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Tgt Ion:	45	Resp:	163553
Ion Ratio		Lower	Upper
45	100		
77	13.5	14.1	21.1#
79	8.2	10.4	15.6#

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#14

Acetophenone

Concen: 3.18 ng/ul

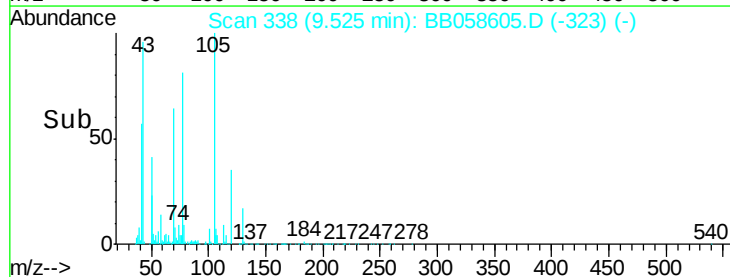
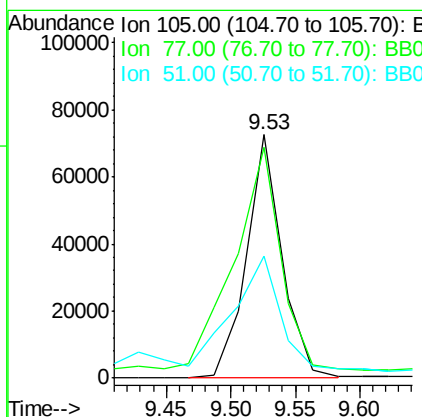
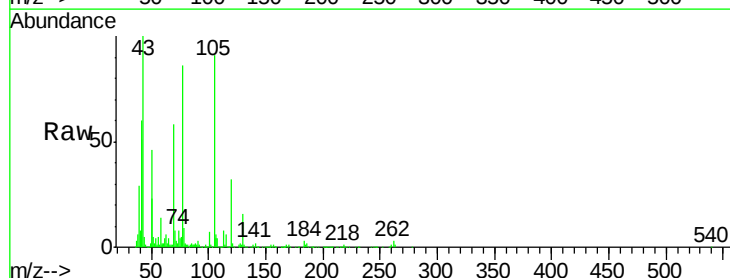
RT: 9.53 min Scan# 338

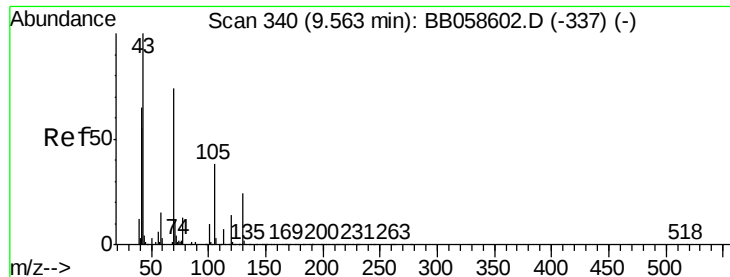
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	105	Resp:	137386
Ion Ratio		Lower	Upper
105	100		
77	94.5	65.9	98.9
51	49.9	22.2	33.2#





#15

N-Nitroso-di-n-propylamine

Concen: 3.07 ng/ul

RT: 9.53 min Scan# 338

Delta R.T. -0.04 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

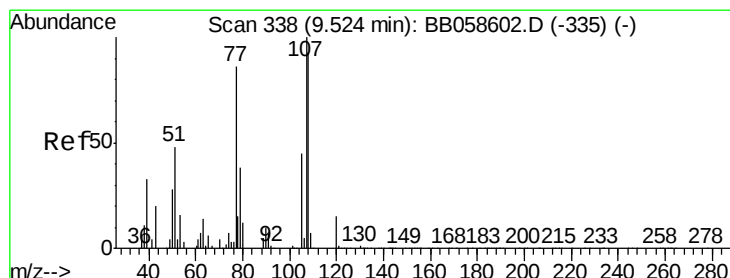
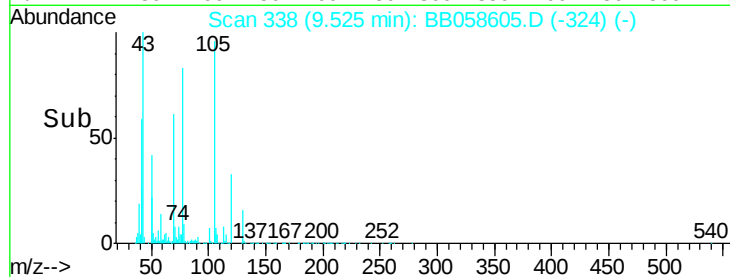
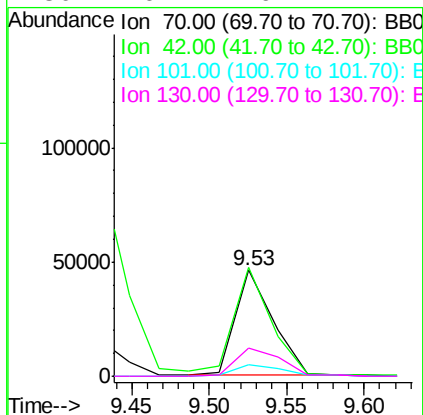
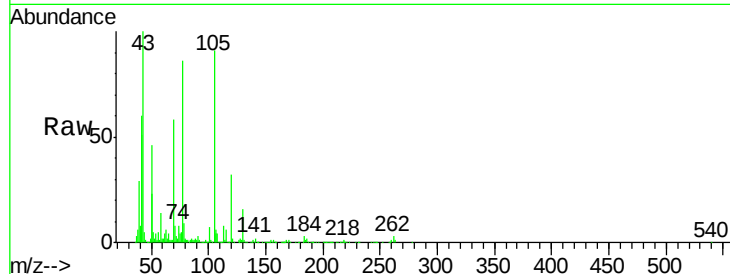
ClientSampled :

MDL-02-S

Tgt Ion:	70	Resp:	78416
Ion Ratio	Lower	Upper	
70	100		
42	102.7	43.4	65.2#
101	11.5	7.8	11.6
130	26.7	16.2	24.4#

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#16

4-Methylphenol

Concen: 3.05 ng/ul

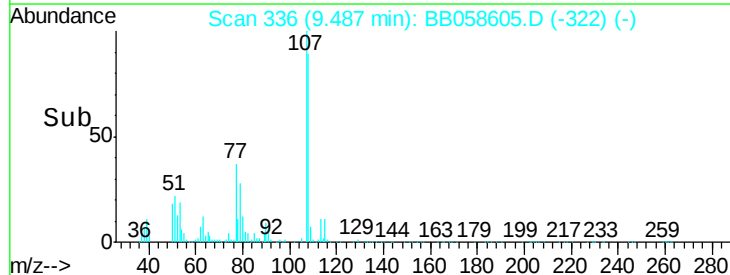
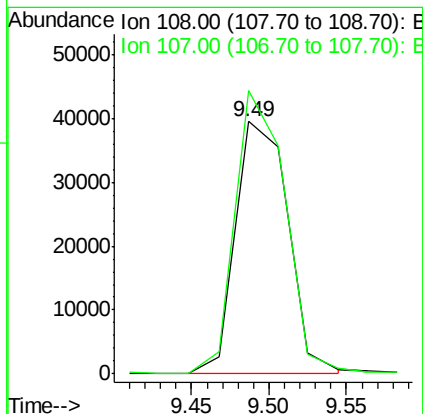
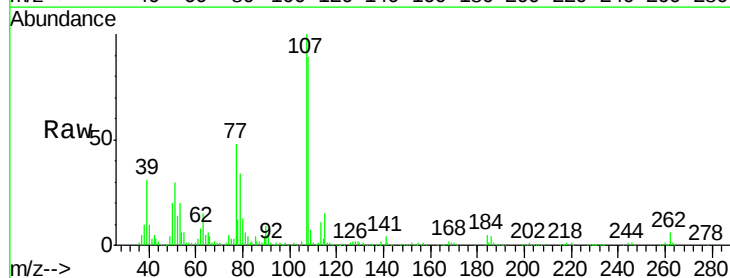
RT: 9.49 min Scan# 336

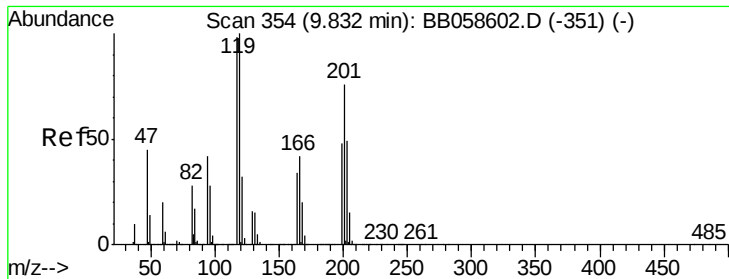
Delta R.T. -0.04 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	108	Resp:	93399
Ion Ratio	Lower	Upper	
108	100		
107	112.3	87.8	131.8





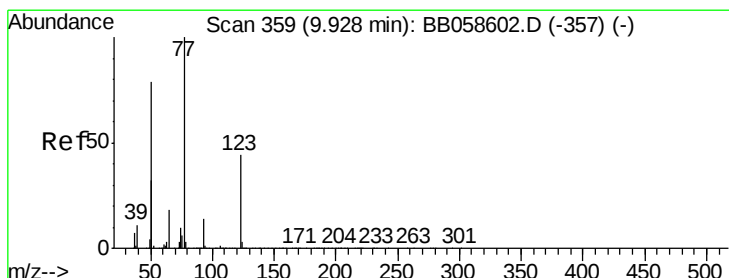
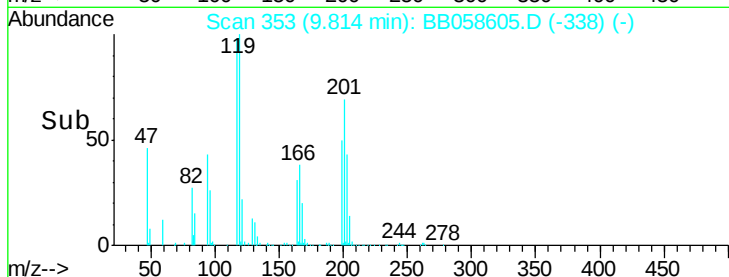
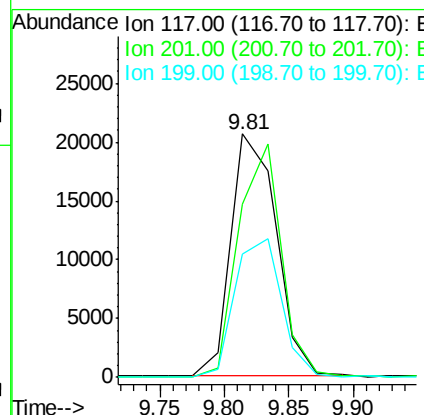
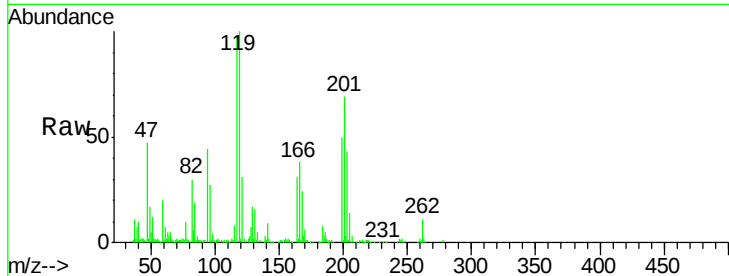
#17
Hexachloroethane
Concen: 2.96 ng/ul
RT: 9.81 min Scan# 353
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampled :
MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50514		
201	71.3	90.3	135.5#	
199	50.8	58.5	87.7#	

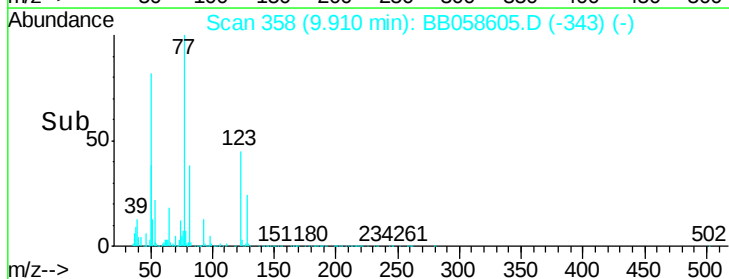
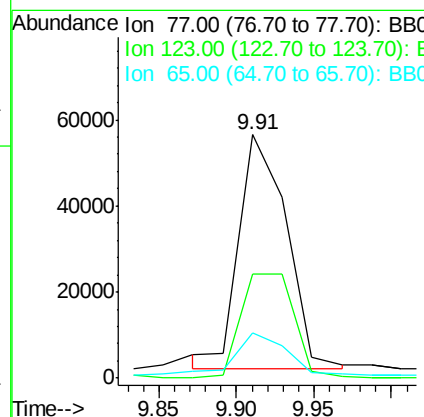
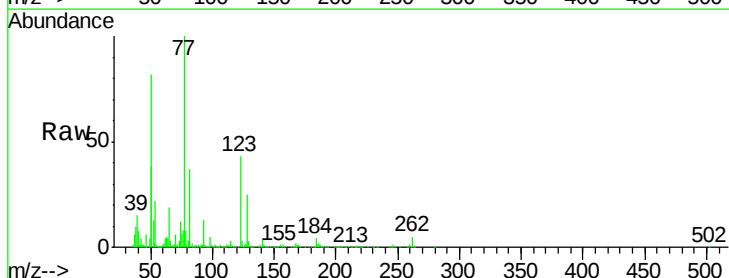
Manual Integrations
APPROVED

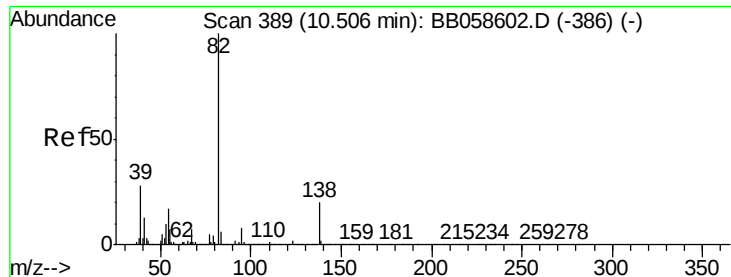
umangi
10/11/2016 7:11:02 PM



#20
Nitrobenzene
Concen: 3.29 ng/ul
RT: 9.91 min Scan# 358
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	117546		
123	42.9	34.2	51.4	
65	18.6	11.0	16.6#	





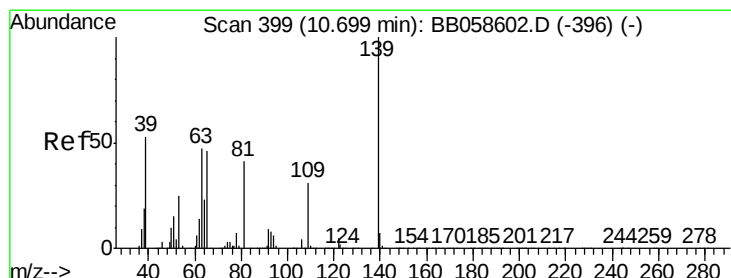
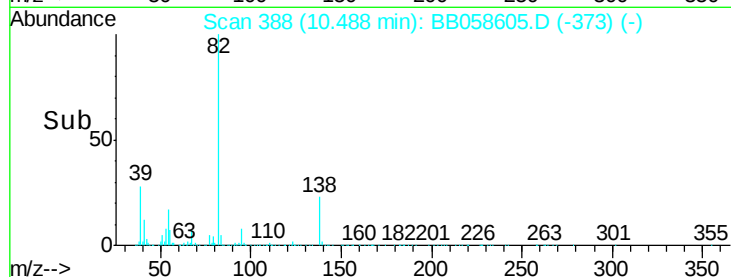
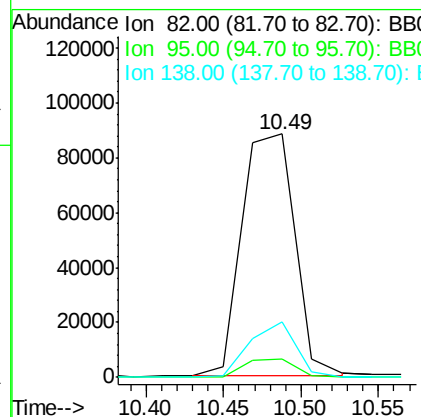
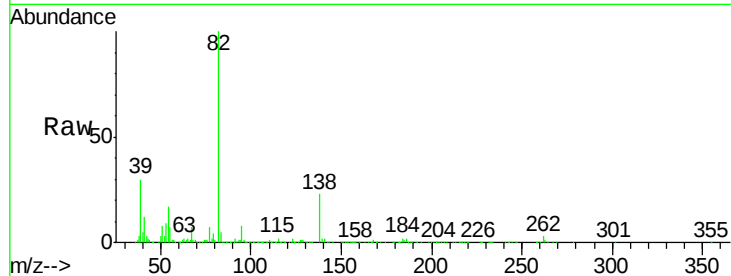
#21
Isophorone
Concen: 3.09 ng/ul
RT: 10.49 min Scan# 388
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
95	7.7	6.9	10.3
138	23.0	13.8	20.8

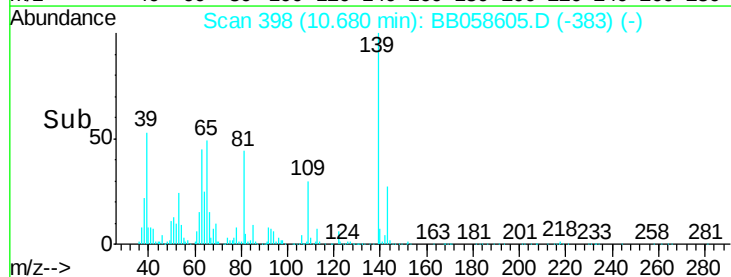
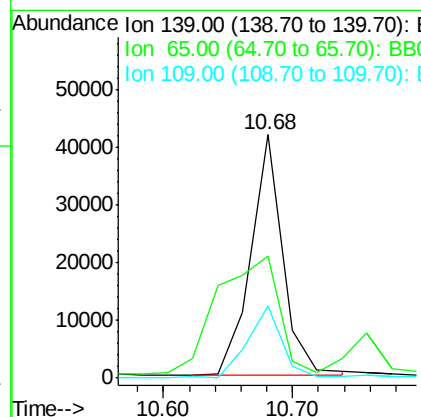
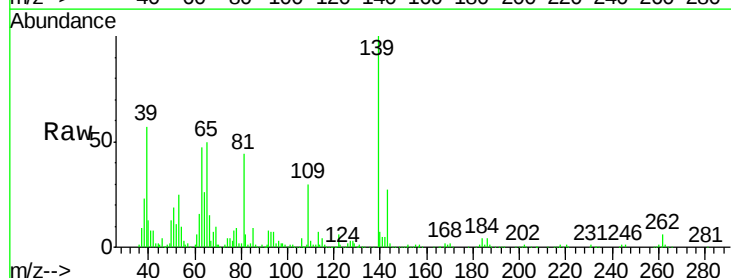
Manual Integrations
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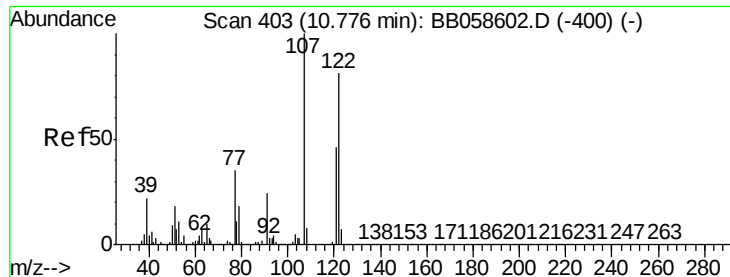
umangi
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#23
2-Nitrophenol
Concen: 3.34 ng/ul
RT: 10.68 min Scan# 398
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp Lower	Upper
139	100		
65	50.0	44.2	66.4
109	29.7	28.2	42.4





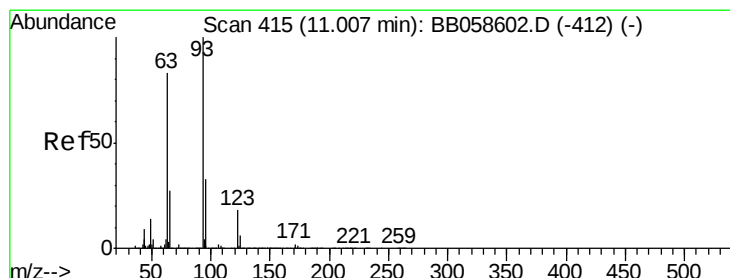
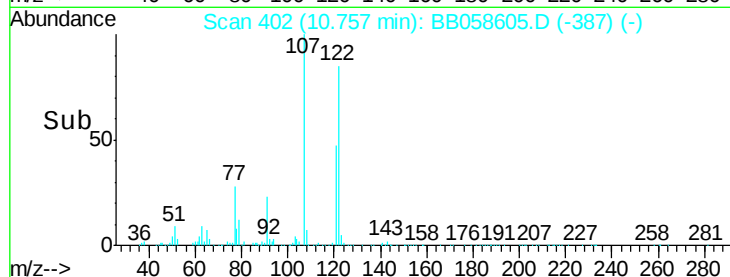
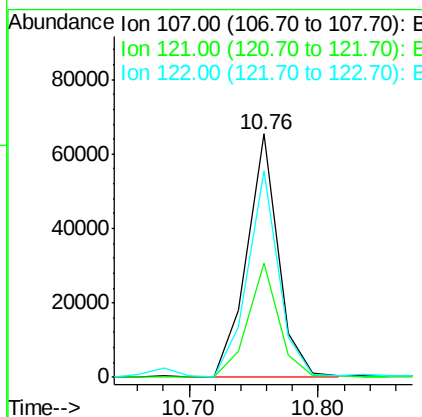
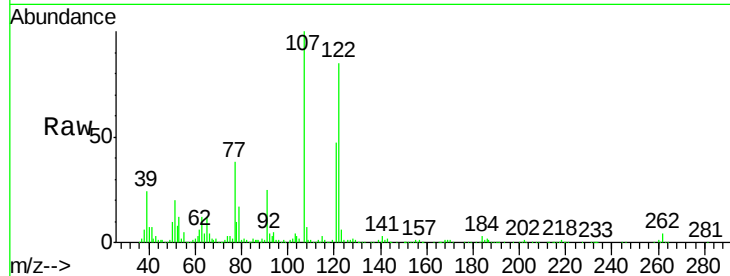
#24
2,4-Dimethylphenol
Concen: 3.20 ng/ul
RT: 10.76 min Scan# 402
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
121	46.8	37.1	55.7
122	84.9	62.8	94.2

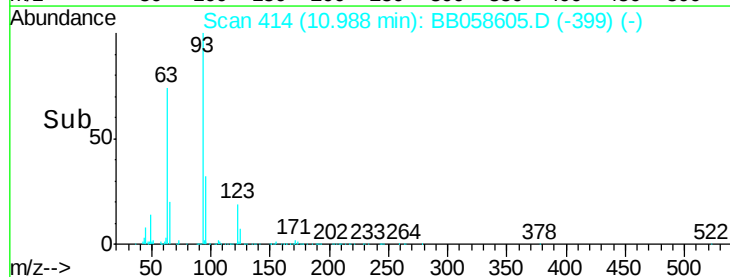
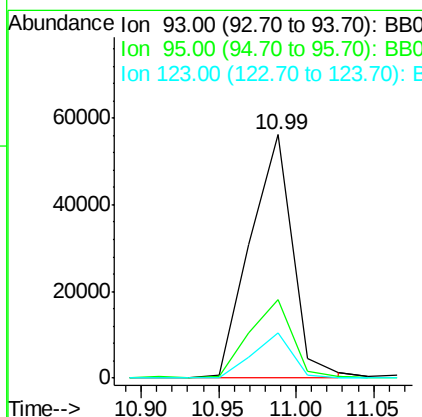
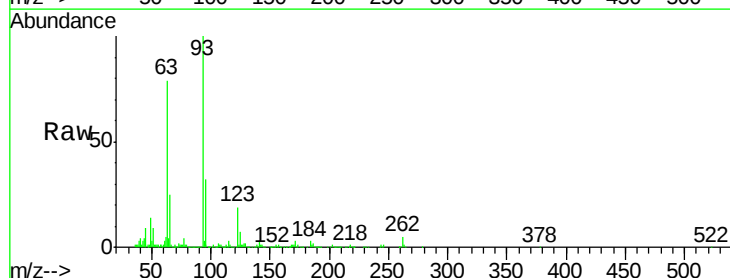
Manual Integrations
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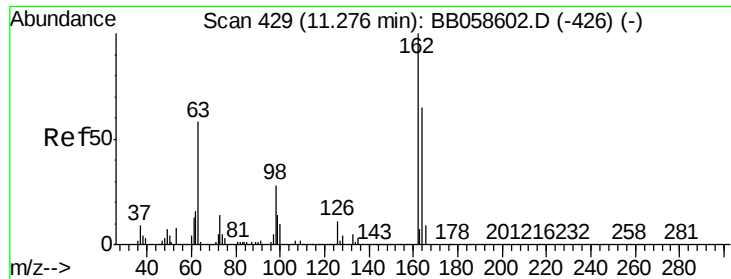
umangi
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#25
Bis(2-Chloroethoxy)methane
Concen: 3.23 ng/ul
RT: 10.99 min Scan# 414
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
95	32.5	25.4	38.0
123	18.7	8.3	12.5





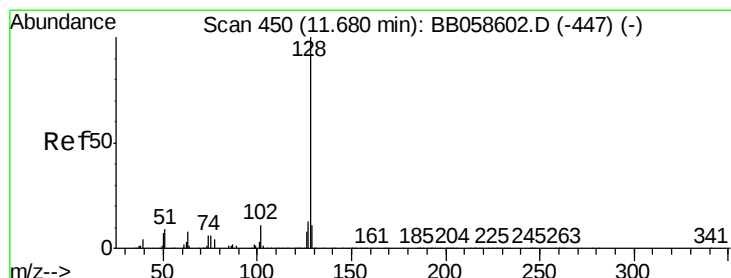
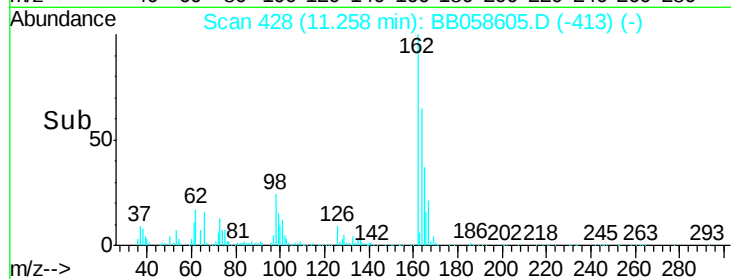
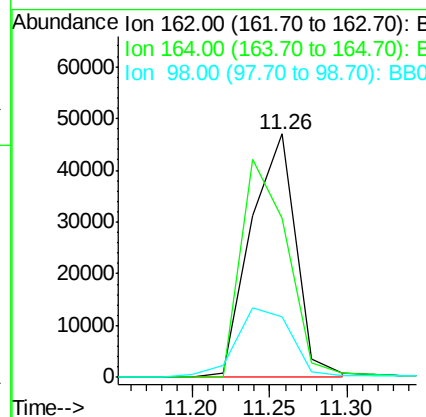
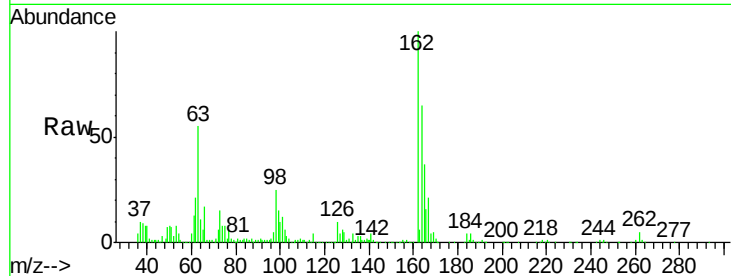
#27
2,4-Dichlorophenol
Concen: 3.32 ng/ul
RT: 11.26 min Scan# 428
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	65.1	51.6	77.4
98	24.7	28.4	42.6

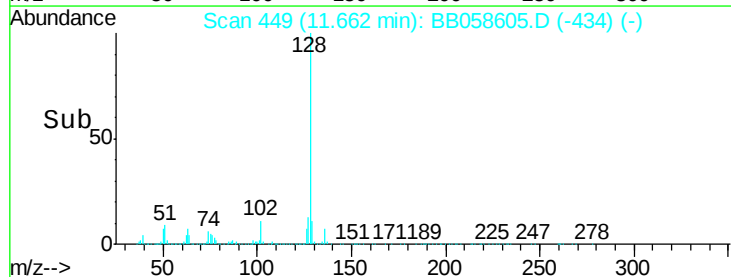
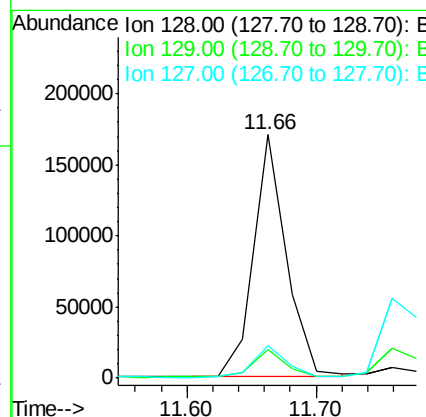
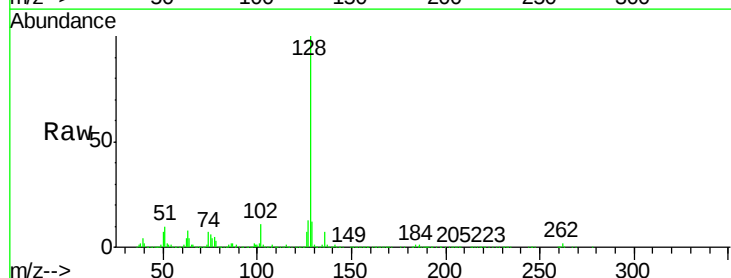
Manual Integrations
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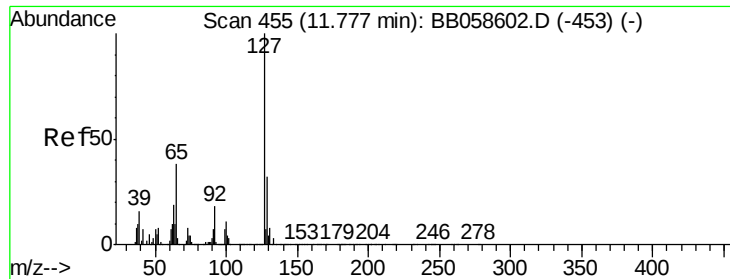
umangi
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#28
Naphthalene
Concen: 3.43 ng/ul
RT: 11.66 min Scan# 449
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.8	8.6	12.8
127	13.2	10.6	15.8





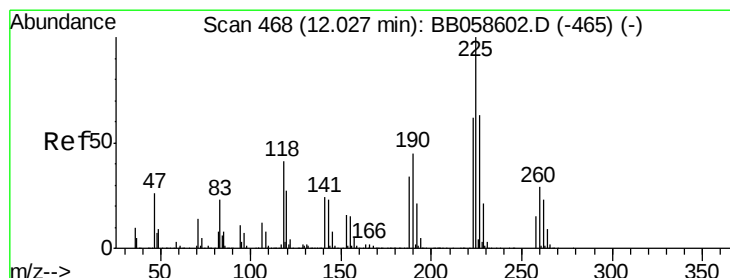
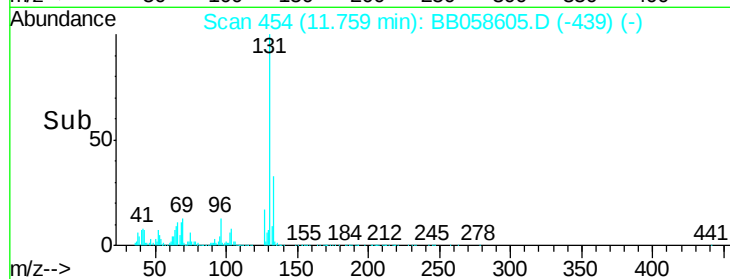
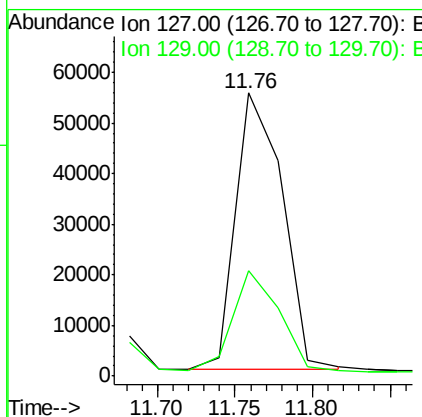
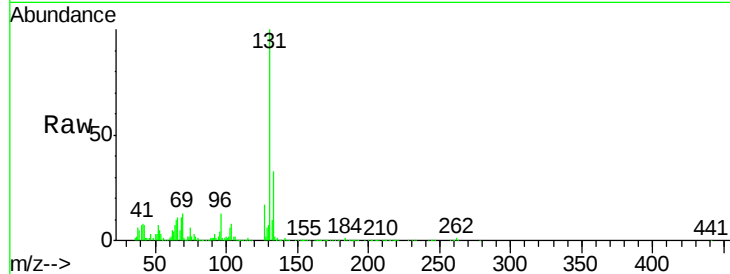
#30
 4-Chloroaniline
 Concen: 3.50 ng/ul
 RT: 11.76 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S

Tgt Ion:127 Resp: 115800
 Ion Ratio Lower Upper
 127 100
 129 37.2 24.6 37.0#

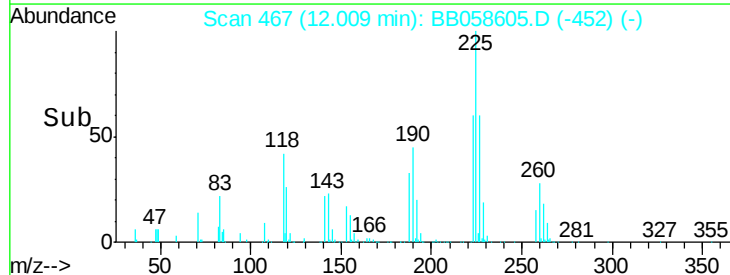
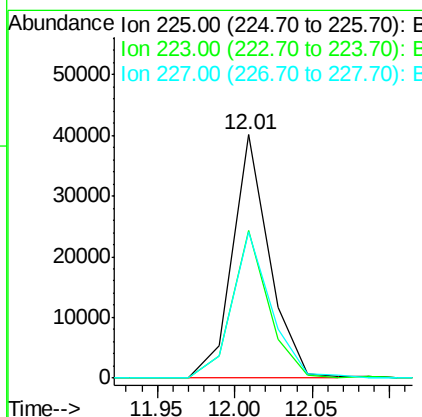
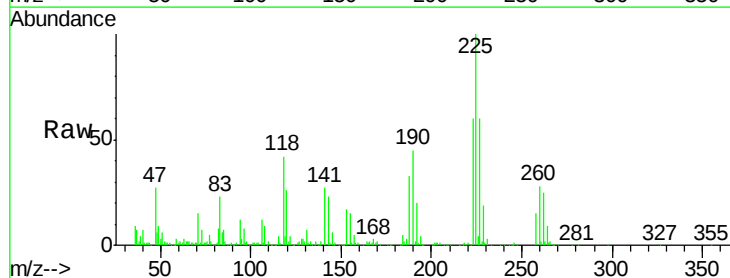
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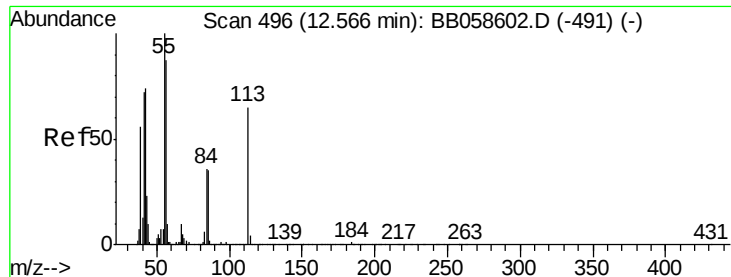
umangi
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#31
 Hexachlorobutadiene
 Concen: 3.39 ng/ul
 RT: 12.01 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Tgt Ion:225 Resp: 67158
 Ion Ratio Lower Upper
 225 100
 223 60.4 51.2 76.8
 227 60.2 52.5 78.7





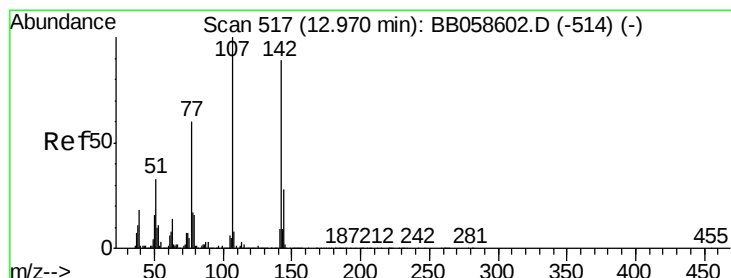
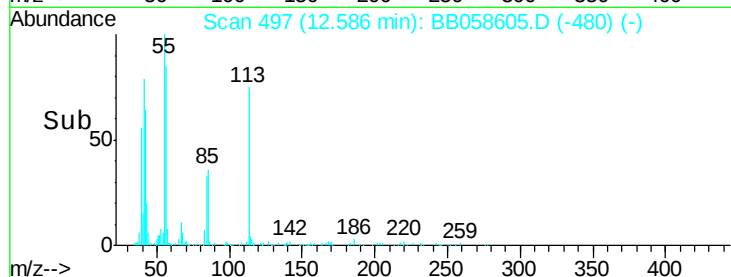
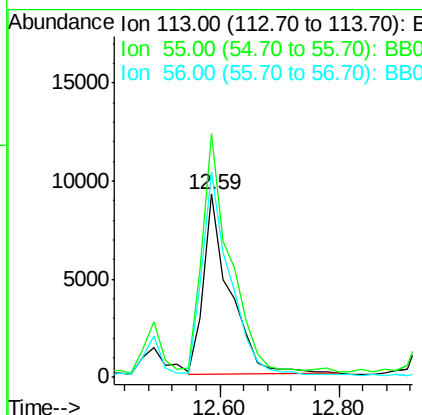
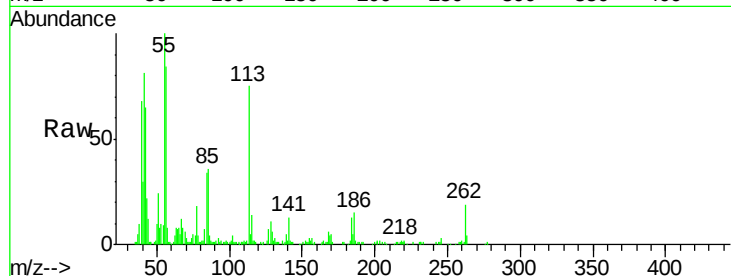
#32
 Caprolactam
 Concen: 2.67 ng/ul
 RT: 12.59 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	28163		
55	133.2	121.9	182.9	
56	112.0	97.4	146.0	

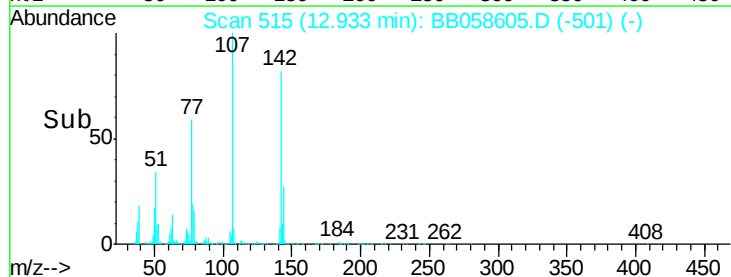
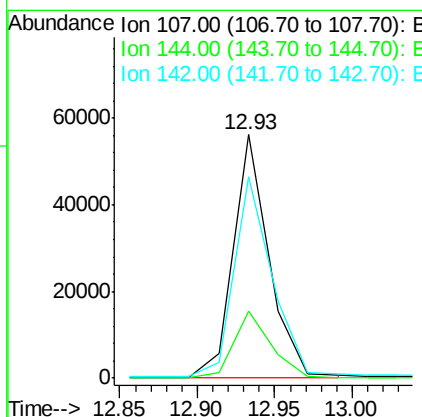
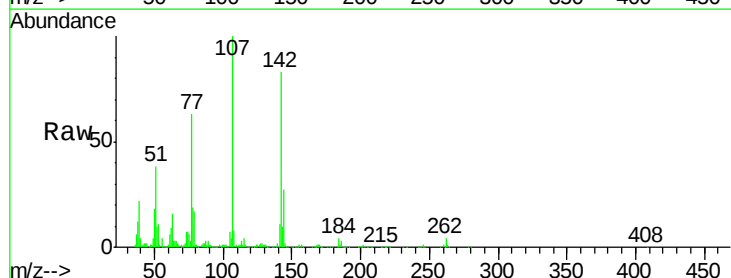
Manual Integrations
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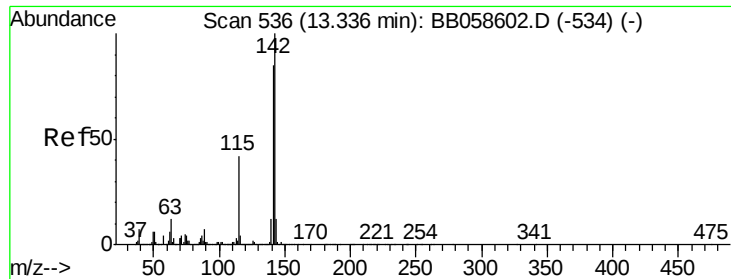
umangi
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#33
 4-Chloro-3-methylphenol
 Concen: 3.13 ng/ul
 RT: 12.93 min Scan# 515
 Delta R.T. -0.04 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	90707		
144	27.3	21.1	31.7	
142	82.5	64.1	96.1	





#34

2-Methylnaphthalene

Concen: 3.42 ng/ul

RT: 13.32 min Scan# 535

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

ClientSampleId :

MDL-02-S

Tgt Ion:142 Resp: 206328

Ion Ratio Lower Upper

142 100

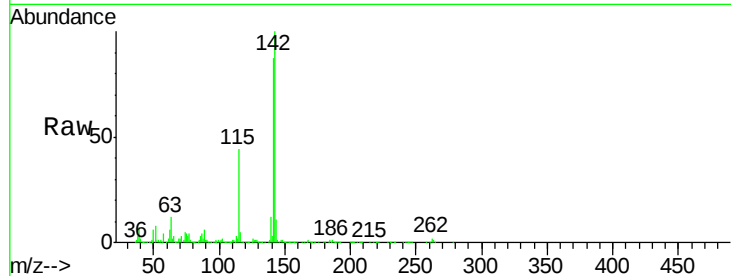
141 87.0 71.3 106.9

Manual Integrations

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

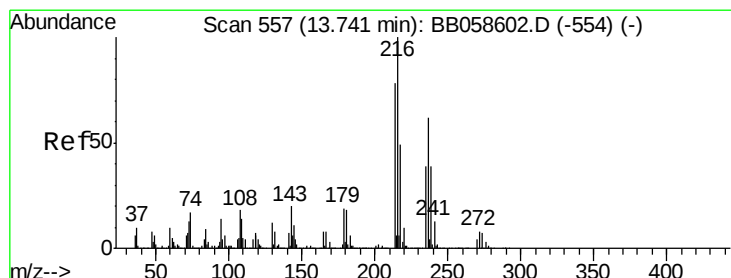
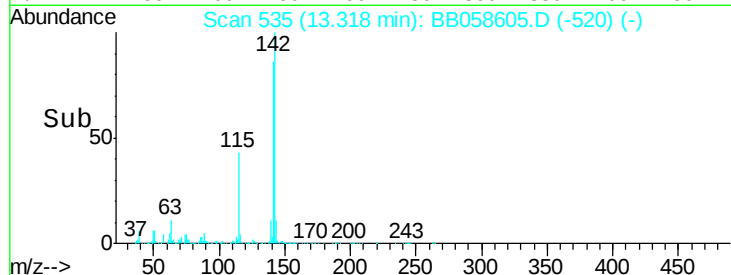
13.32

100000

50000

0

Time-->



#36

1,2,4,5-Tetrachlorobenzene

Concen: 3.25 ng/ul

RT: 13.72 min Scan# 556

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:216 Resp: 108741

Ion Ratio Lower Upper

216 100

214 79.4 64.8 97.2

179 17.0 16.7 25.1

108 16.4 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

13.72

80000

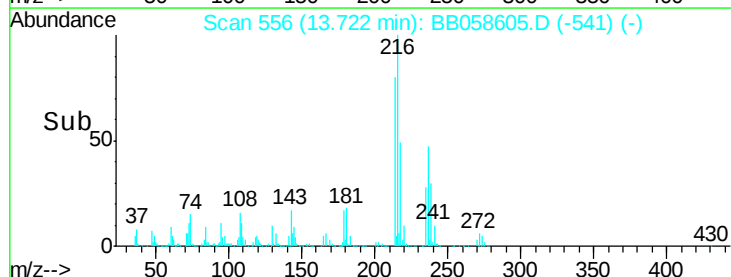
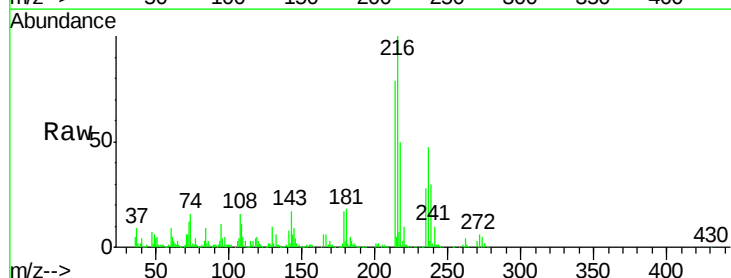
60000

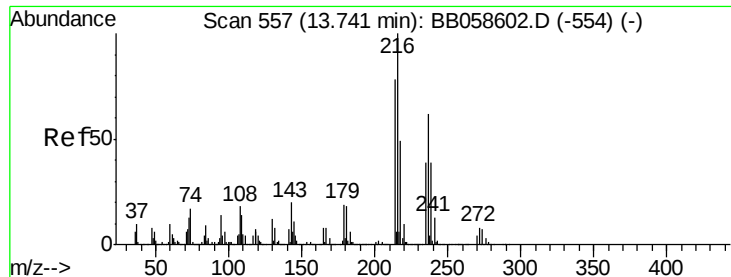
40000

20000

0

Time-->





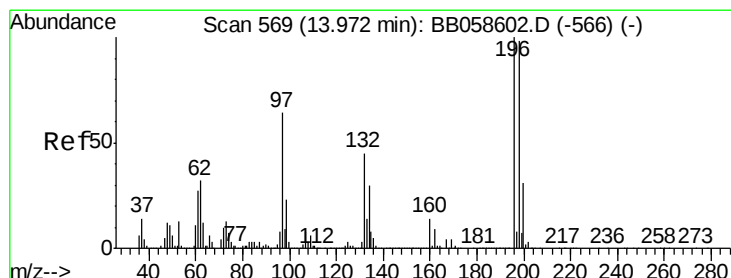
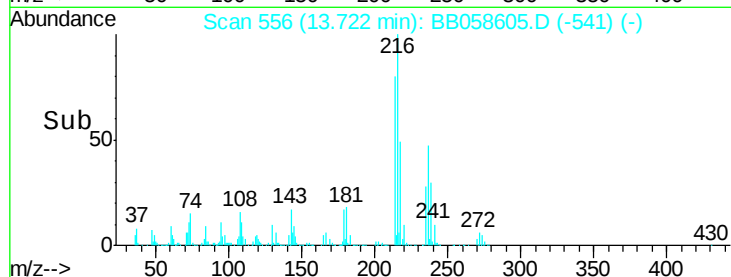
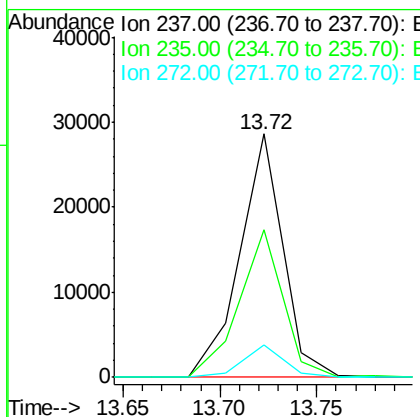
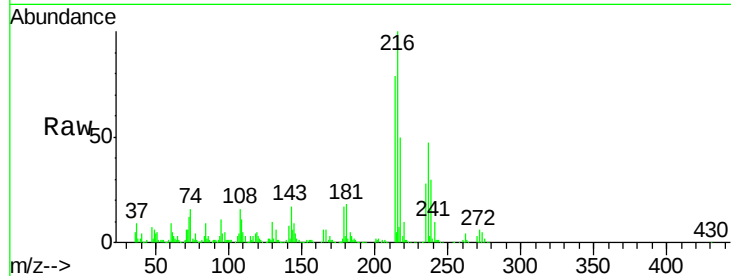
#37
Hexachlorocyclopentadiene
Concen: 2.09 ng/ul
RT: 13.72 min Scan# 556
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	44150		
235	60.6	49.6	74.4	
272	13.3	10.4	15.6	

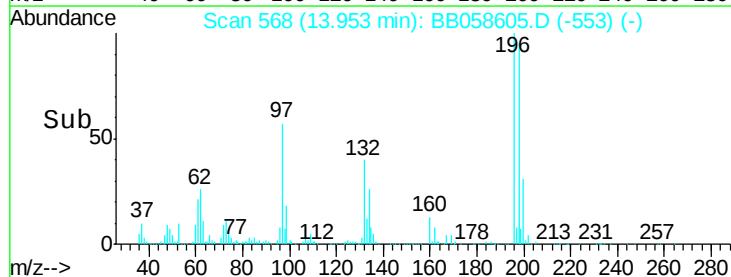
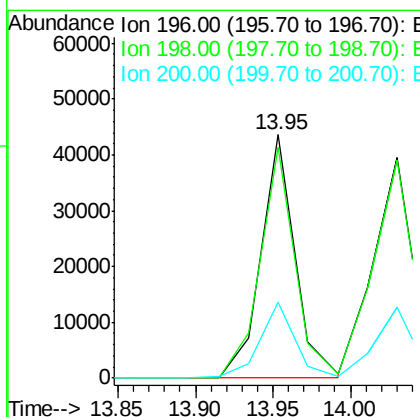
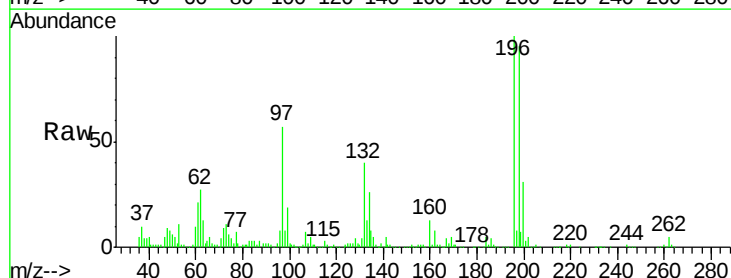
Manual Integrations
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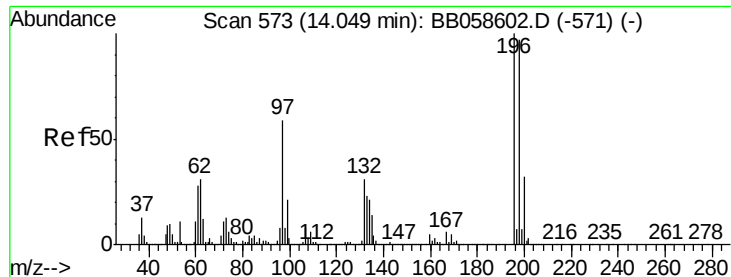
umangi
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#38
2,4,6-Trichlorophenol
Concen: 3.31 ng/ul
RT: 13.95 min Scan# 568
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	67264		
198	94.7	76.9	115.3	
200	31.4	25.1	37.7	





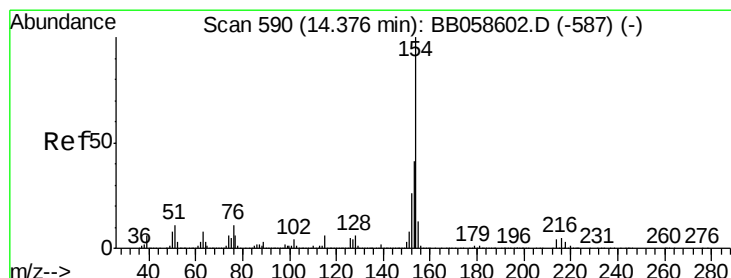
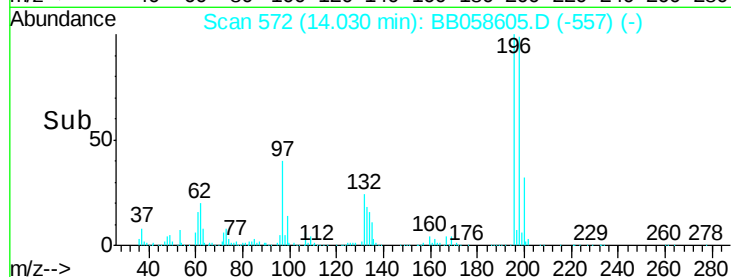
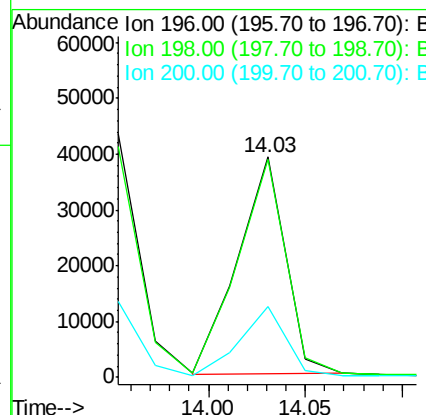
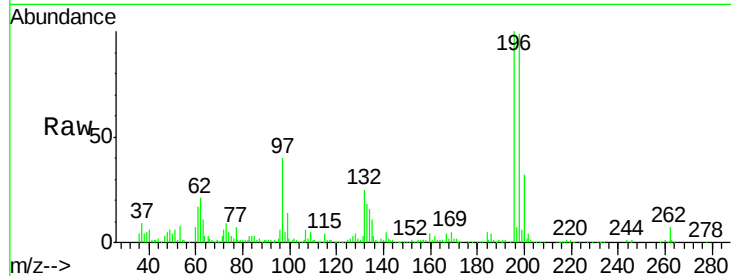
#39
 2,4,5-Trichlorophenol
 Concen: 3.09 ng/ul
 RT: 14.03 min Scan# 572
 Delta R.T. -0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	66551		
198	99.1	76.8	115.2	
200	32.0	27.0	40.4	

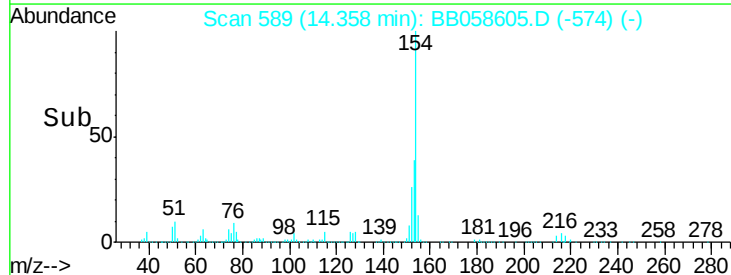
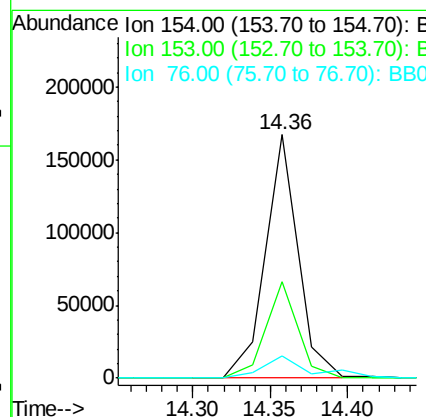
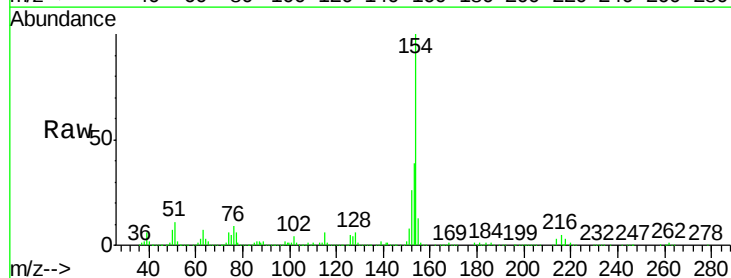
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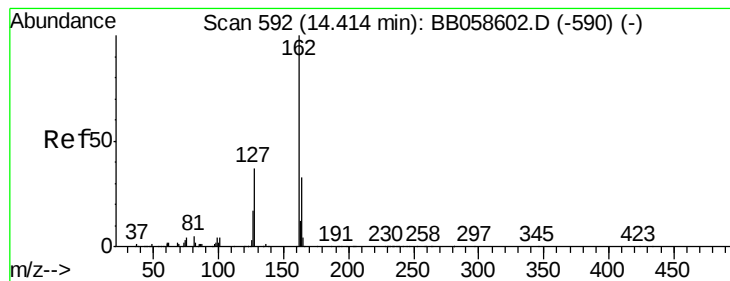
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#40
 1,1'-Biphenyl
 Concen: 3.41 ng/ul
 RT: 14.36 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	249074		
153	39.3	31.3	46.9	
76	9.4	10.0	15.0	





#41

2-Chloronaphthalene

Concen: 3.28 ng/ul

RT: 14.40 min Scan# 591

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

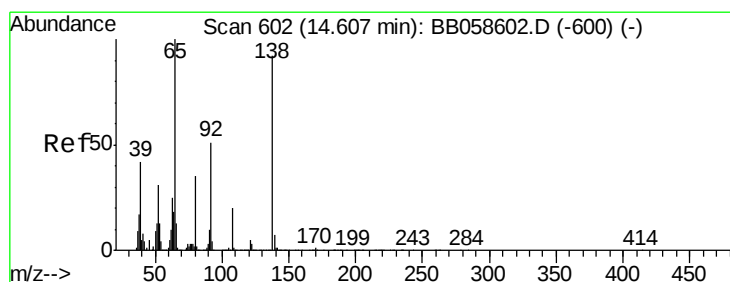
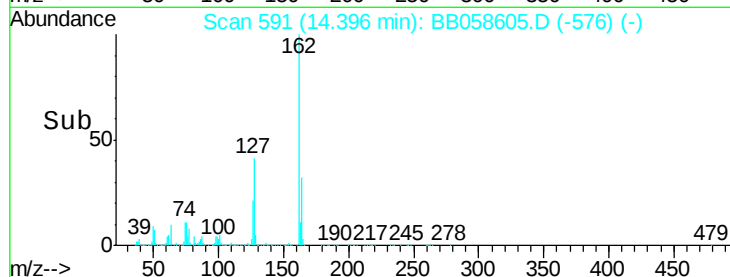
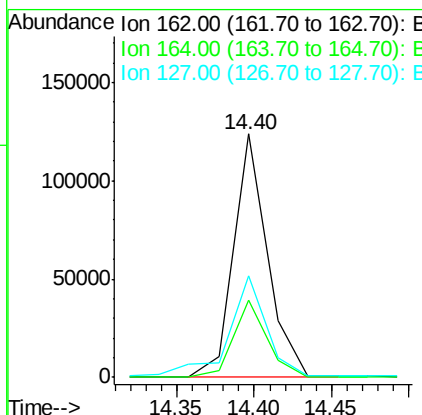
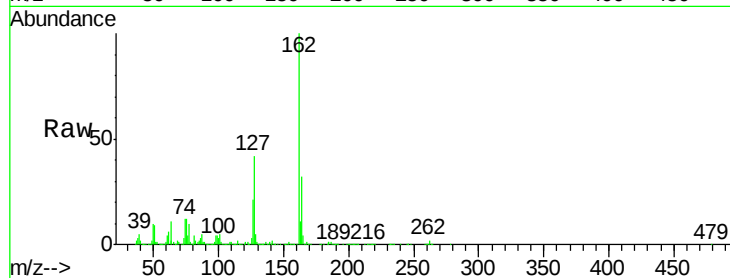
ClientSampleId :

MDL-02-S

Tgt Ion:	162	Resp:	190481
Ion Ratio	Lower	Upper	
162	100		
164	31.8	26.9	40.3
127	41.5	31.2	46.8

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#42

2-Nitroaniline

Concen: 2.95 ng/ul

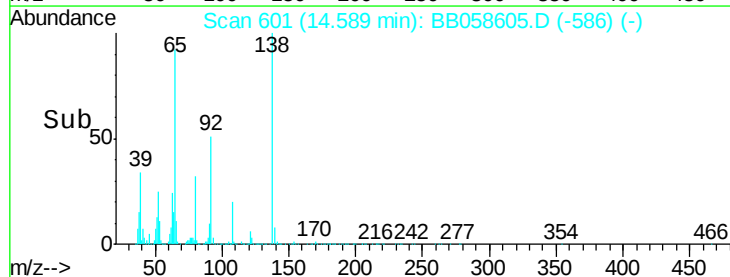
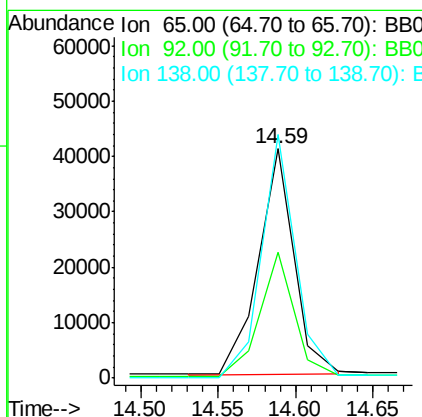
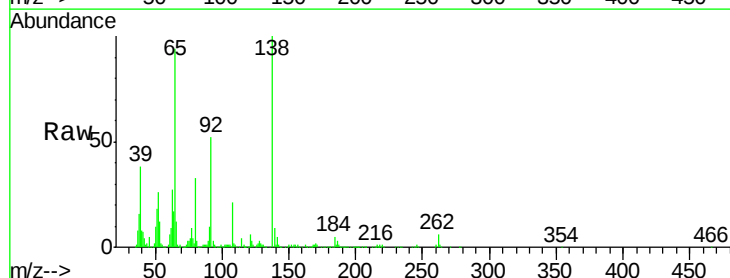
RT: 14.59 min Scan# 601

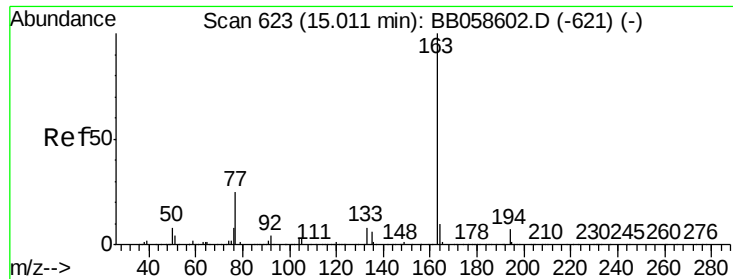
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	65	Resp:	65942
Ion Ratio	Lower	Upper	
65	100		
92	55.1	55.6	83.4#
138	106.3	81.3	121.9





#44

Dimethylphthalate

Concen: 3.46 ng/ul

RT: 14.99 min Scan# 622

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

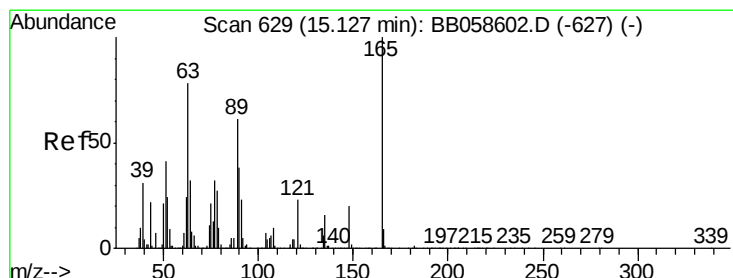
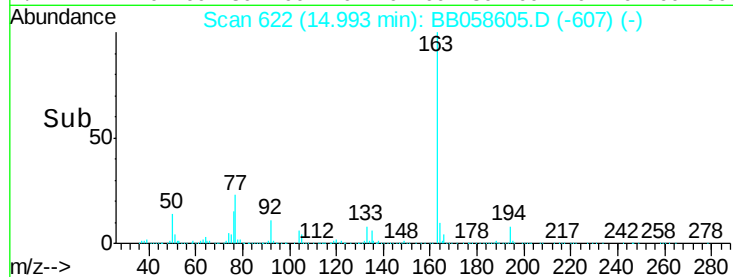
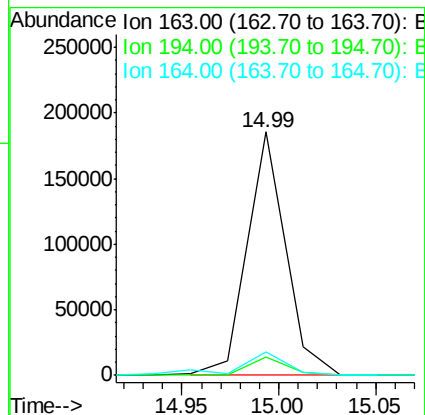
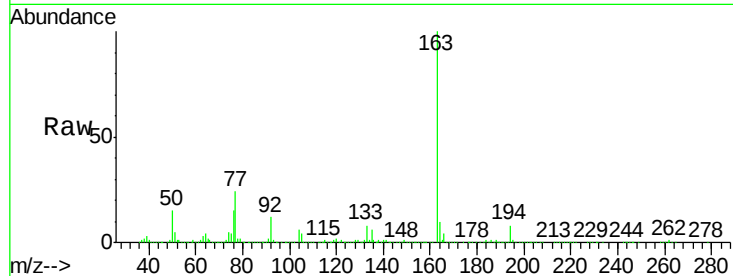
ClientSampleId :

MDL-02-S

Tgt Ion:	163	Resp:	250425
Ion Ratio		Lower	Upper
163	100		
194	7.6	3.4	5.2#
164	9.9	7.8	11.8

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#45

2,6-Dinitrotoluene

Concen: 3.15 ng/ul

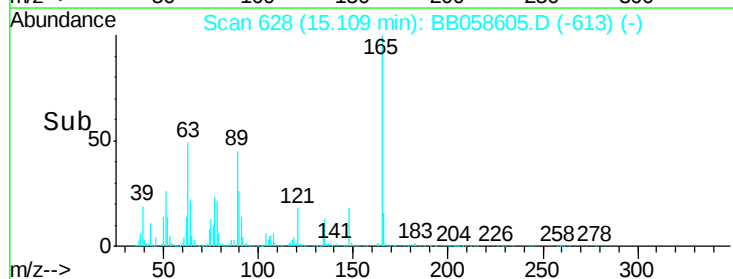
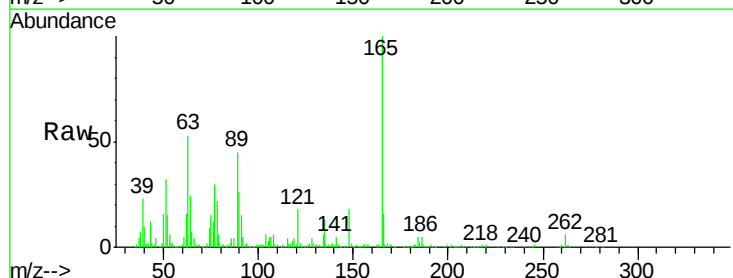
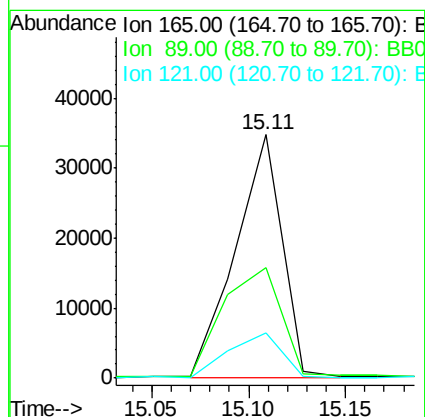
RT: 15.11 min Scan# 628

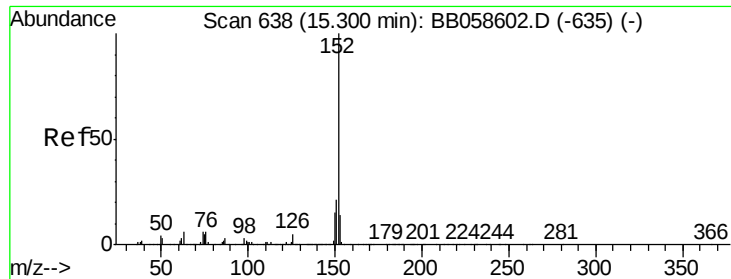
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	165	Resp:	57580
Ion Ratio		Lower	Upper
165	100		
89	45.2	46.6	69.8#
121	18.4	16.0	24.0





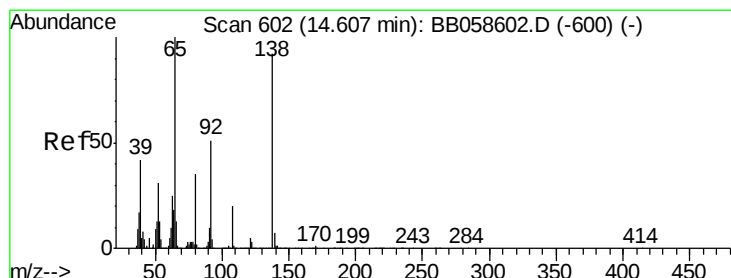
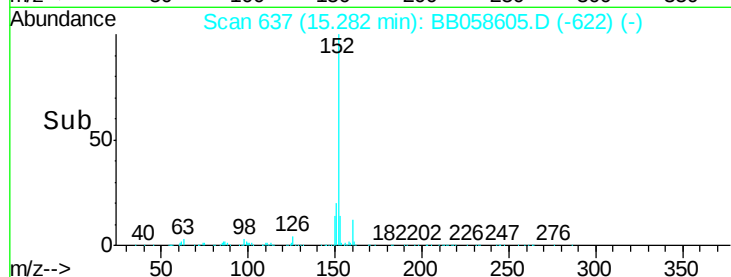
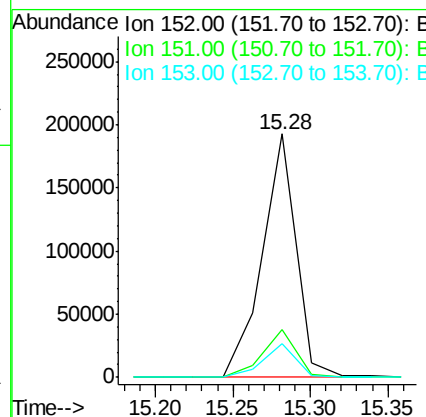
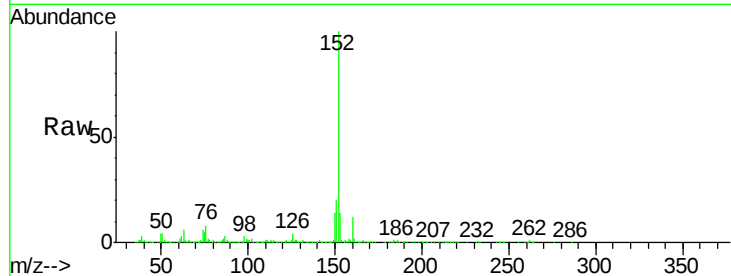
#47
Acenaphthylene
Concen: 3.57 ng/ul
RT: 15.28 min Scan# 637
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		295737		
151	19.8	16.0	24.0		
153	13.9	11.0	16.6		

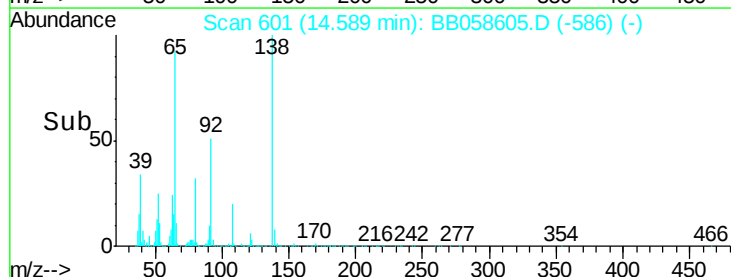
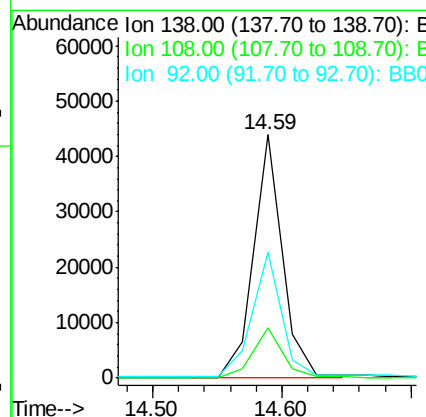
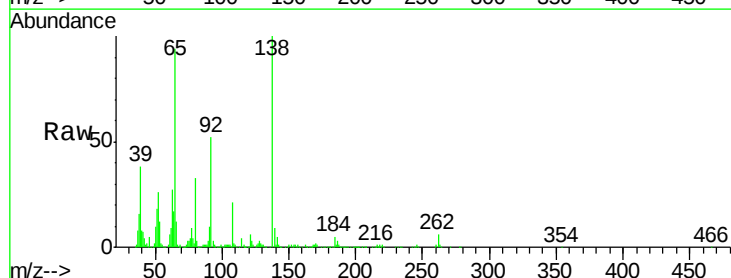
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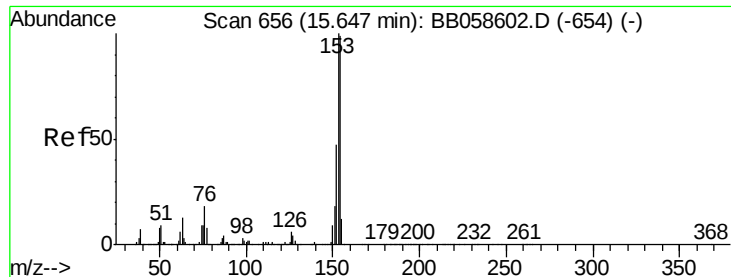
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#48
3-Nitroaniline
Concen: 2.84 ng/ul
RT: 14.59 min Scan# 601
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt	Ion	Ratio	Resp	Lower	Upper
138	100		68029		
108	20.6	9.4	14.0#		
92	51.8	96.6	145.0#		





#49

Acenaphthene

Concen: 3.28 ng/ul

RT: 15.63 min Scan# 655

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

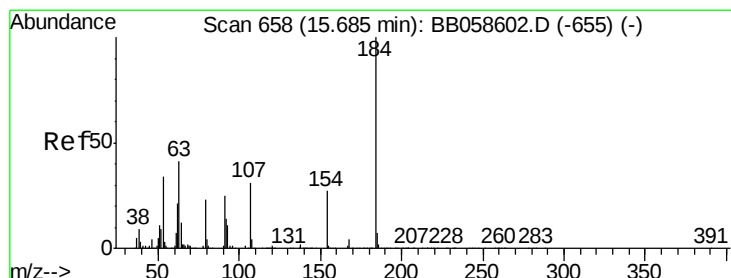
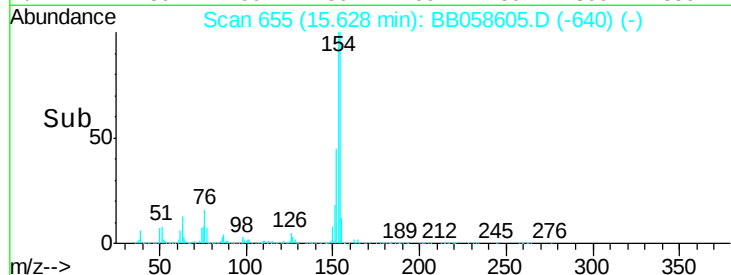
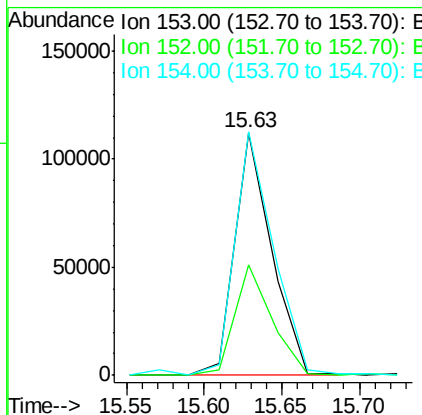
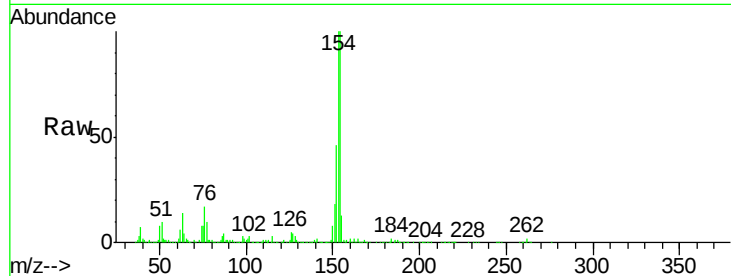
ClientSampleId :

MDL-02-S

Tgt Ion:	153	Resp:	186452
Ion Ratio		Lower	Upper
153	100		
152	45.7	37.8	56.6
154	100.2	71.4	107.0

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#50

2,4-Dinitrophenol

Concen: 1.57 ng/ul

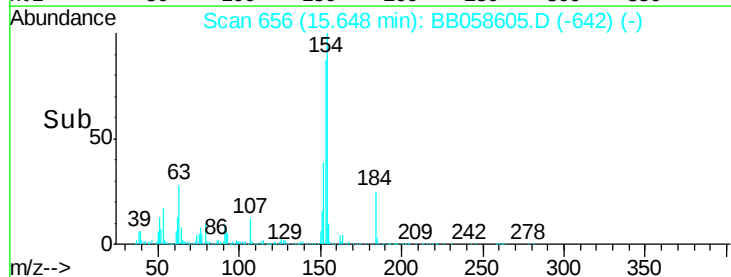
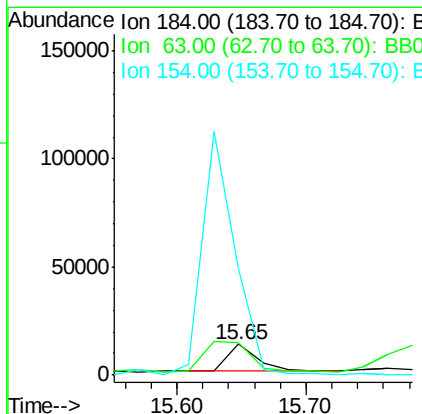
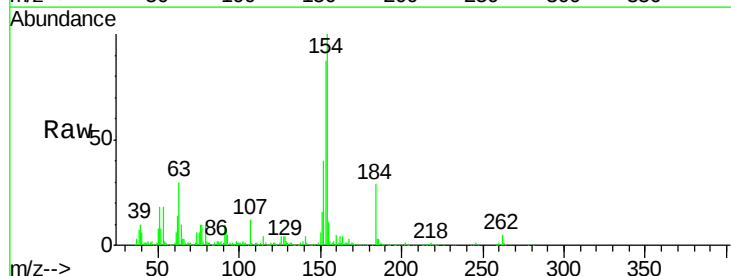
RT: 15.65 min Scan# 656

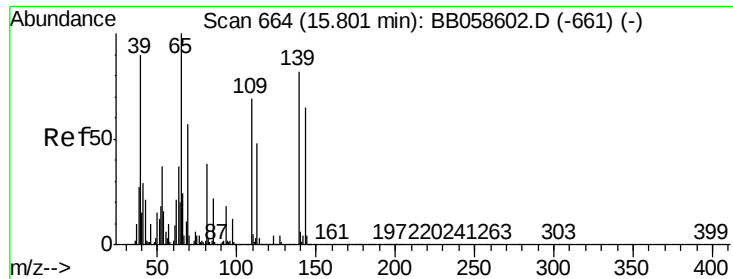
Delta R.T. -0.04 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	184	Resp:	20458
Ion Ratio		Lower	Upper
184	100		
63	105.1	43.4	65.0#
154	347.7	48.2	72.4#





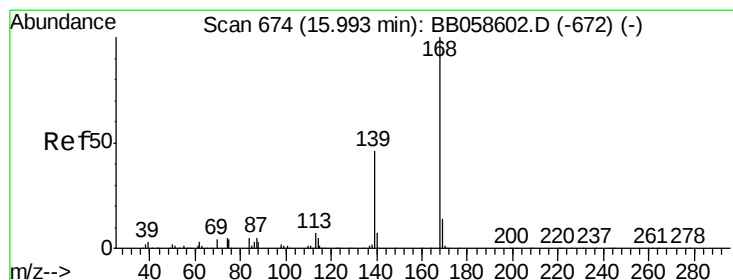
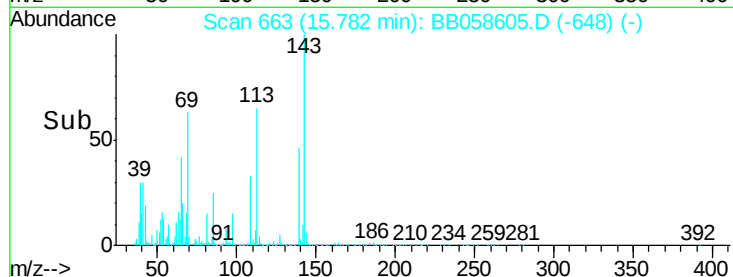
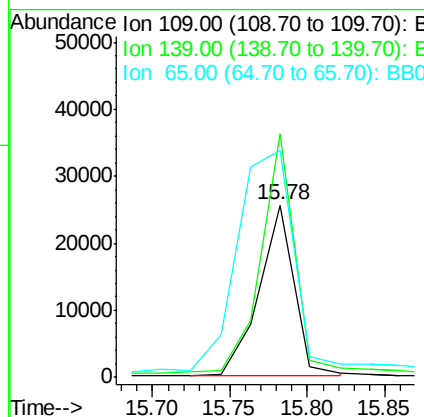
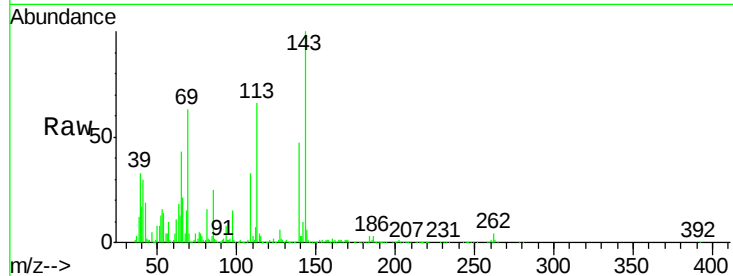
#52
4-Nitrophenol
Concen: 3.02 ng/ul
RT: 15.78 min Scan# 663
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	40870		
139	141.3	88.7	133.1#	
65	131.5	96.4	144.6	

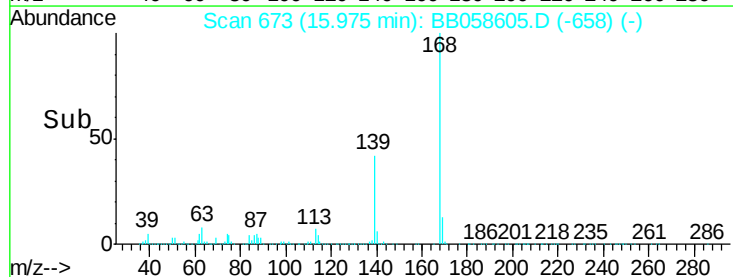
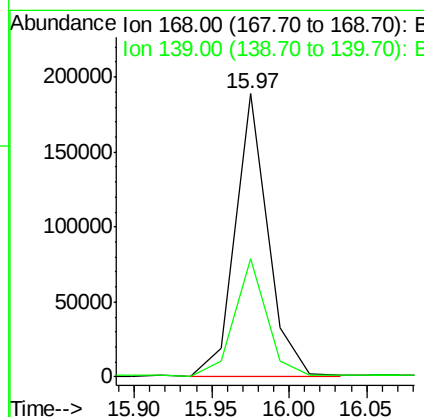
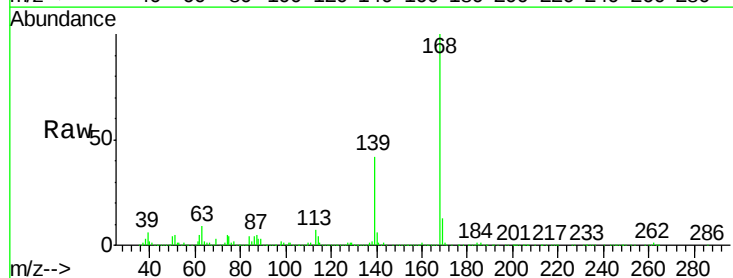
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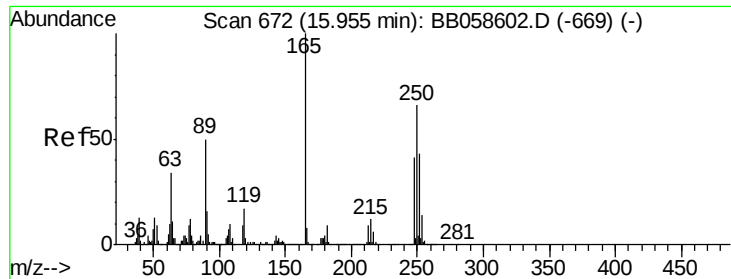
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#53
Dibenzofuran
Concen: 3.43 ng/ul
RT: 15.97 min Scan# 673
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	277680		
139	42.0	30.1	45.1	





#54

2,4-Dinitrotoluene

Concen: 3.07 ng/ul

RT: 15.92 min Scan# 670

Delta R.T. -0.04 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

ClientSampleId :

MDL-02-S

Tgt Ion:165 Resp: 78217
Ion Ratio Lower Upper

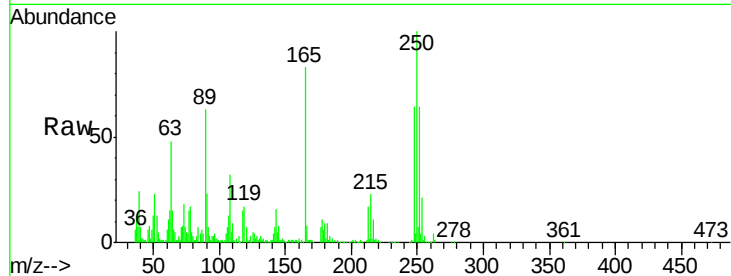
165 100

63 58.4 36.2 54.2#

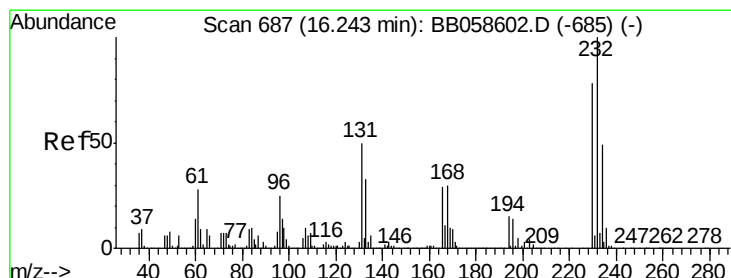
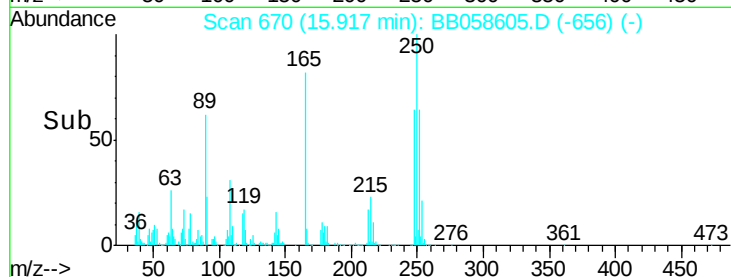
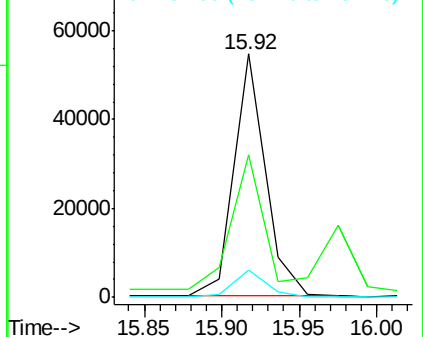
182 11.4 2.2 3.4#

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



#55

2,3,4,6-Tetrachlorophenol

Concen: 3.26 ng/ul

RT: 16.23 min Scan# 686

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:232 Resp: 61350
Ion Ratio Lower Upper

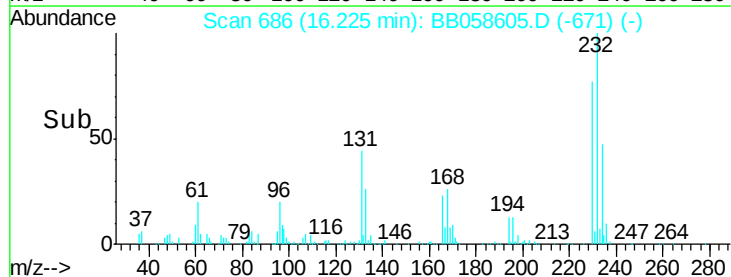
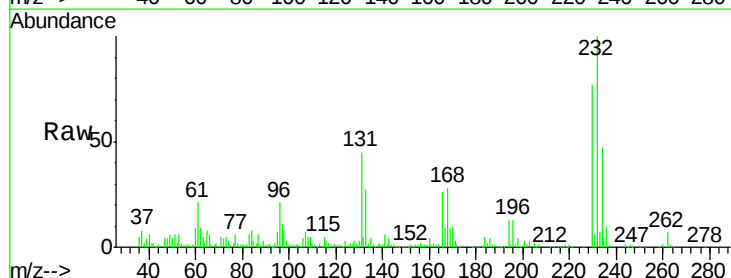
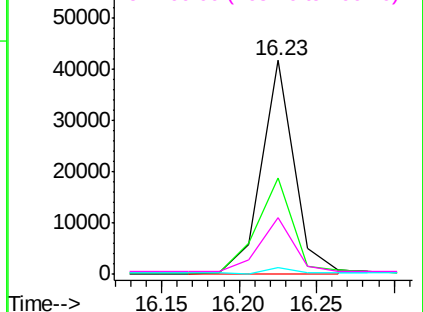
232 100

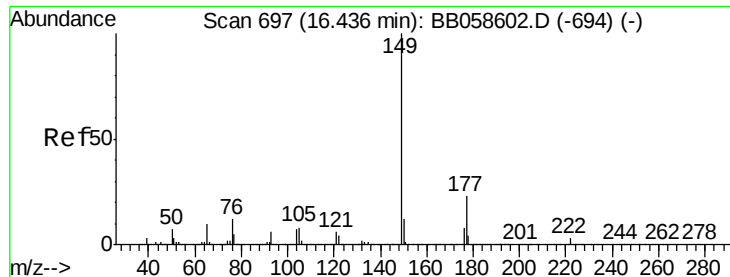
131 44.8 31.4 47.0

130 2.7 1.6 2.4#

166 26.4 22.6 33.8

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





#56

Diethylphthalate

Concen: 3.50 ng/ul

RT: 16.42 min Scan# 696

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

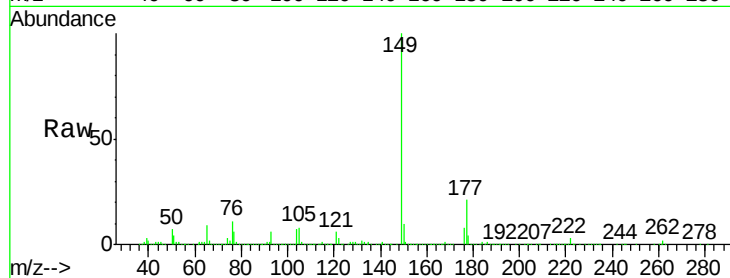
ClientSampleId :

MDL-02-S

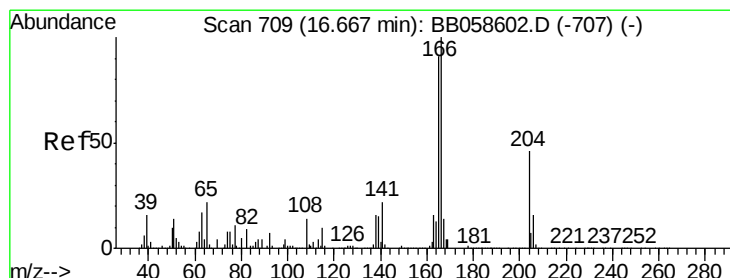
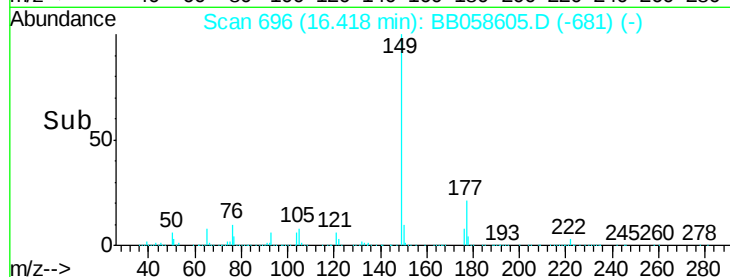
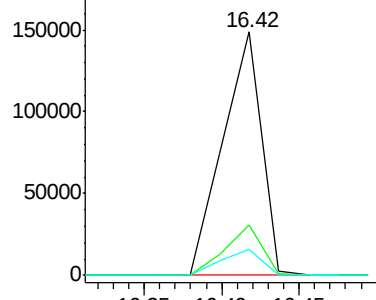
Tgt Ion:	149	Resp:	262456
Ion Ratio	Lower	Upper	
149	100		
177	20.7	18.6	28.0
150	10.5	10.0	15.0

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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: 3.24 ng/ul

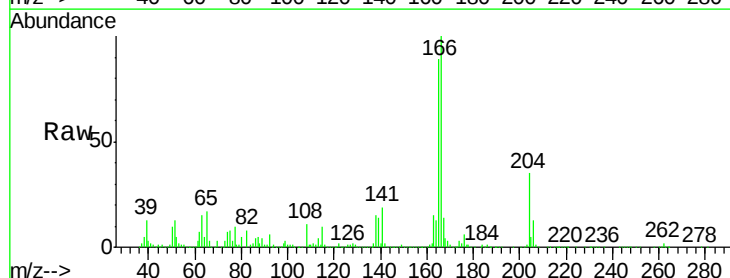
RT: 16.65 min Scan# 708

Delta R.T. -0.02 min

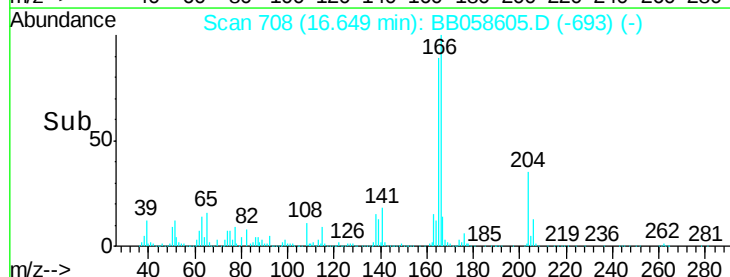
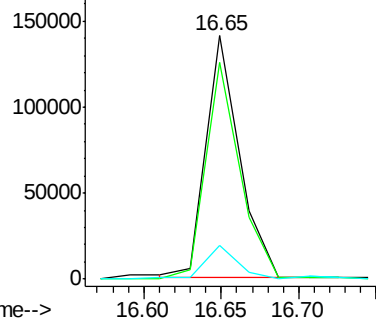
Lab File: BB058605.D

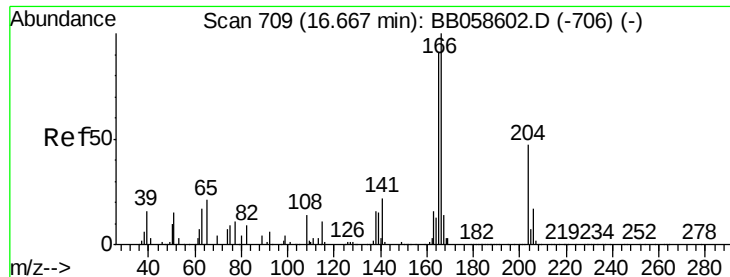
Acq: 11 Oct 2016 13:02

Tgt Ion:	166	Resp:	213678
Ion Ratio	Lower	Upper	
166	100		
165	89.0	79.9	119.9
167	13.9	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





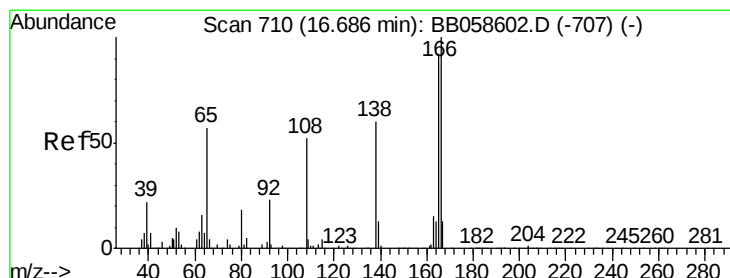
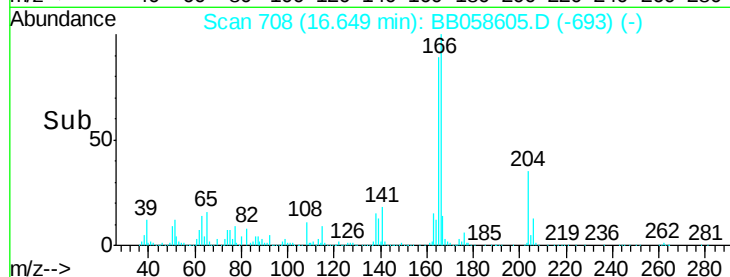
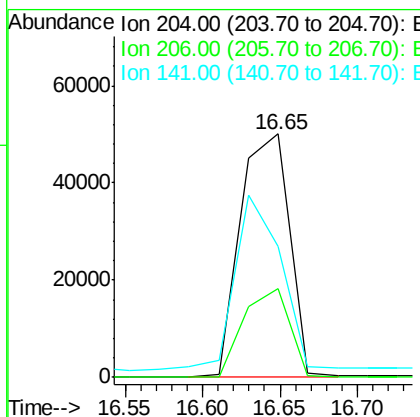
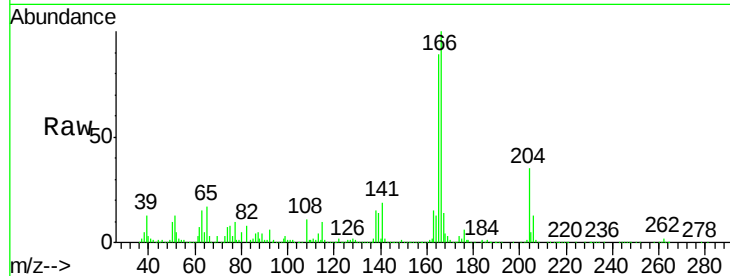
#59
4-Chlorophenyl-phenylether
Concen: 3.16 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	111684		
206	36.5	25.9	38.9	
141	54.0	46.1	69.1	

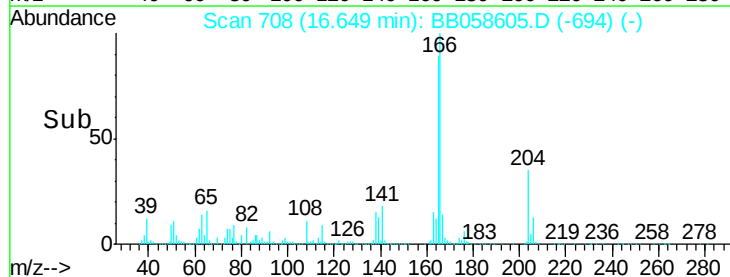
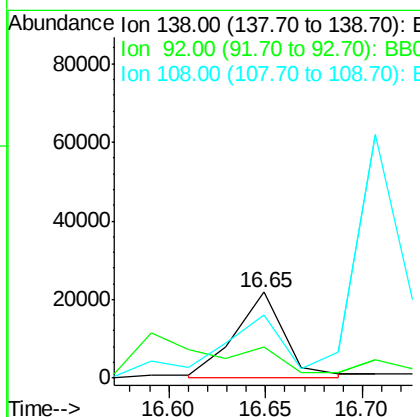
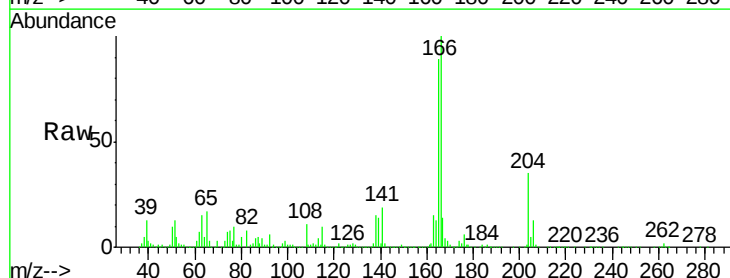
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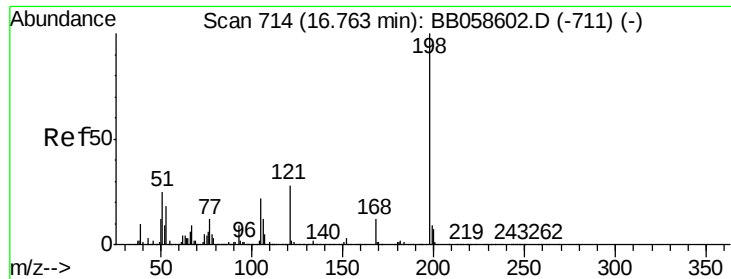
umangi
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#60
4-Nitroaniline
Concen: 2.01 ng/ul
RT: 16.65 min Scan# 708
Delta R.T. -0.04 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	37868		
92	36.7	43.5	65.3#	
108	73.6	80.3	120.5#	





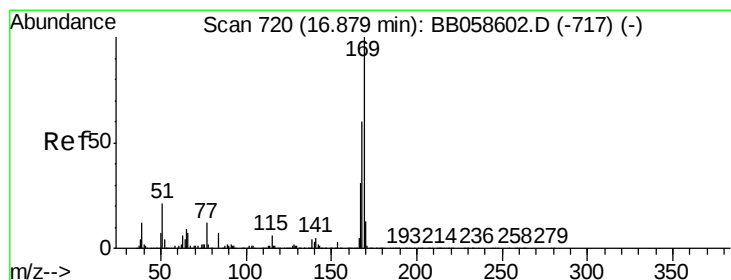
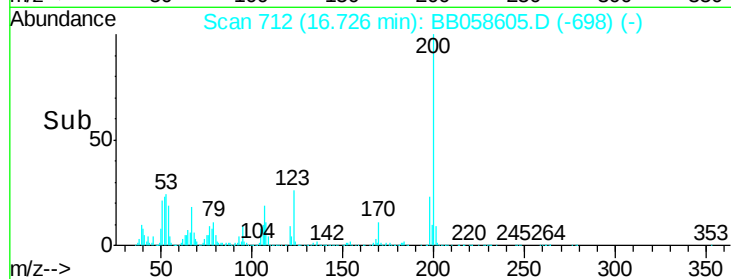
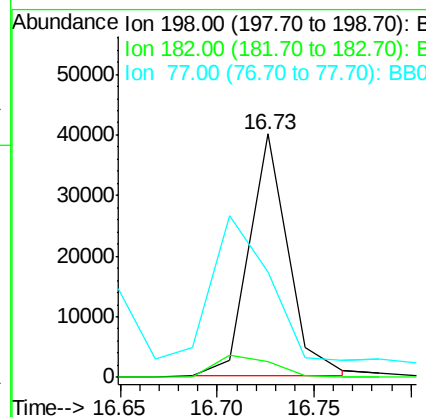
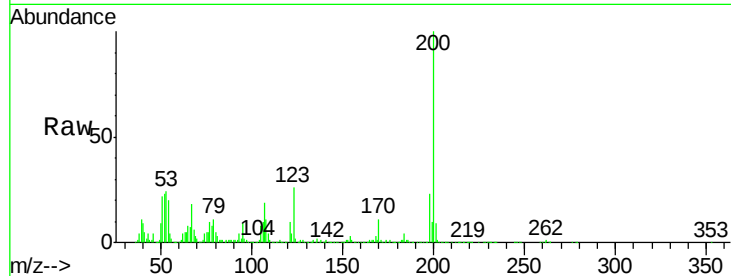
#63
 4,6-Dinitro-2-methylphenol
 Concen: 2.91 ng/ul
 RT: 16.73 min Scan# 712
 Delta R.T. -0.04 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
182	6.6	3.3	4.9#
77	43.5	21.8	32.6#

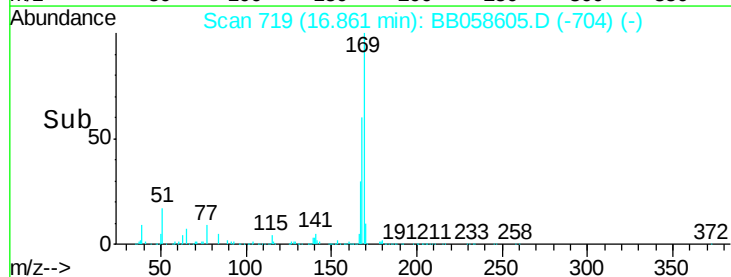
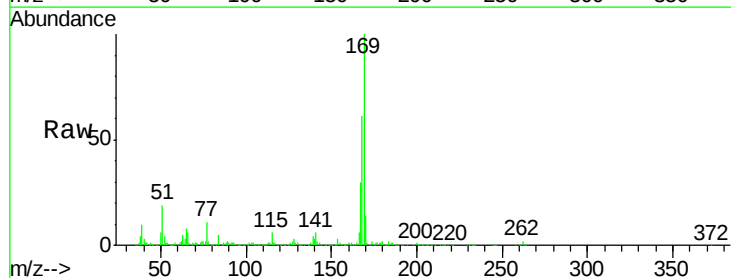
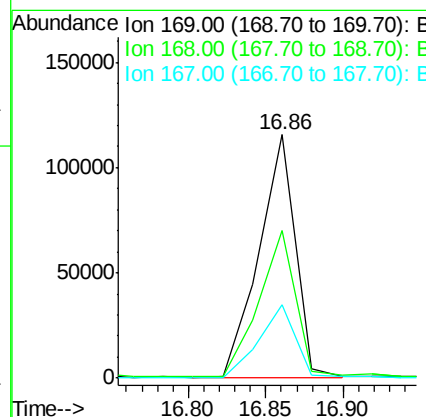
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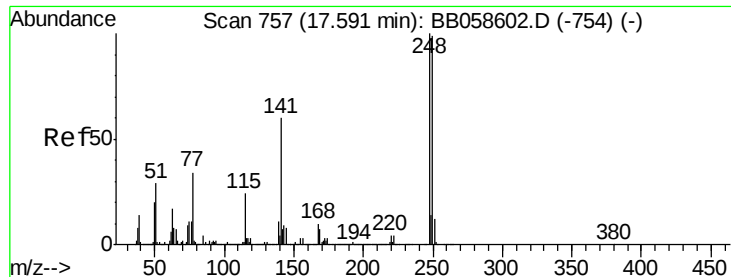
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#64
 N-Nitrosodiphenylamine
 Concen: 3.25 ng/ul
 RT: 16.86 min Scan# 719
 Delta R.T. -0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	60.6	52.6	79.0
167	30.1	28.6	43.0





#65

4-Bromophenyl-phenylether

Concen: 2.97 ng/ul

RT: 17.57 min Scan# 756

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

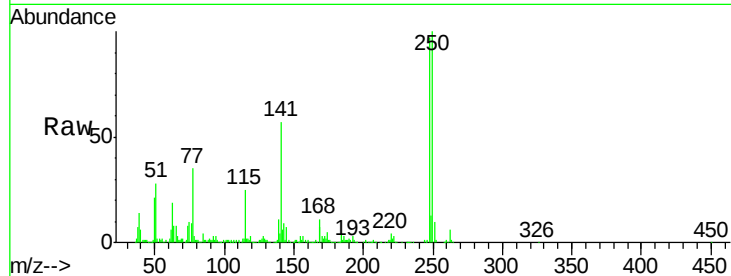
ClientSampleId :

MDL-02-S

Tgt Ion	Ratio	Lower	Upper
248	100		
250	103.3	79.7	119.5
141	58.9	58.3	87.5

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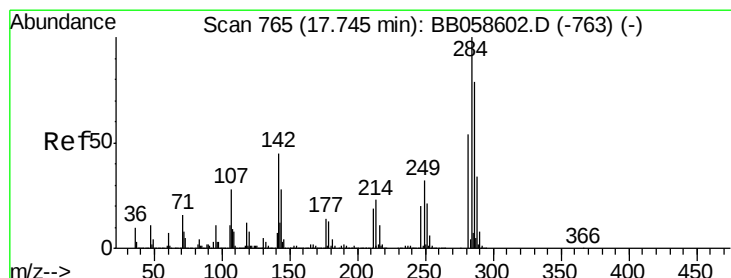
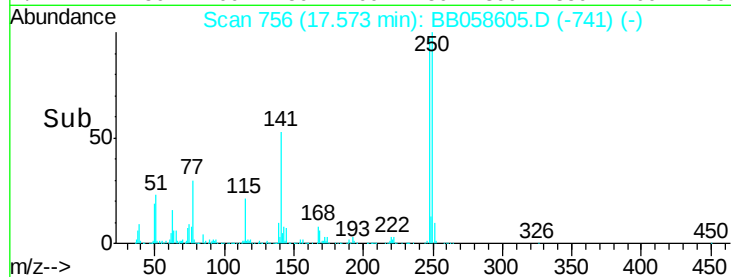
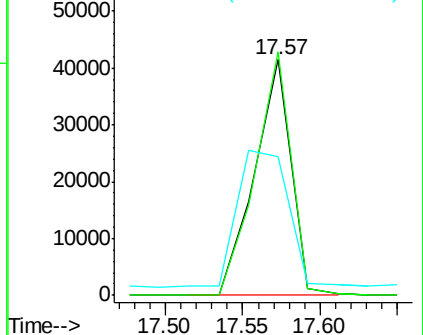


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#66

Hexachlorobenzene

Concen: 3.24 ng/ul

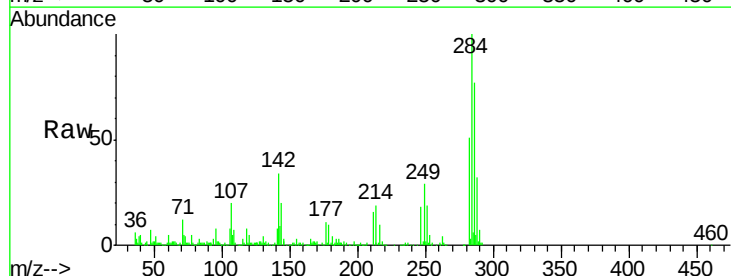
RT: 17.73 min Scan# 764

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.0	24.9	37.3
249	29.0	25.5	38.3

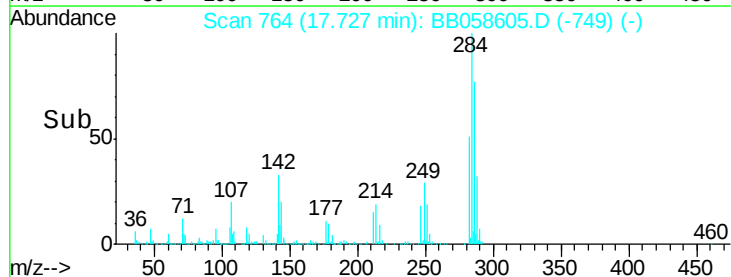
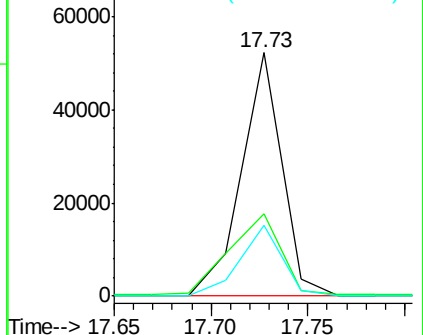


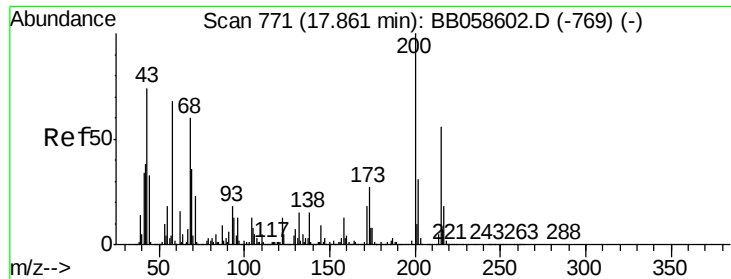
Abundance

Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





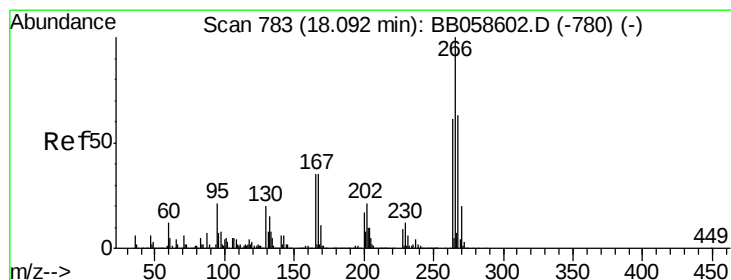
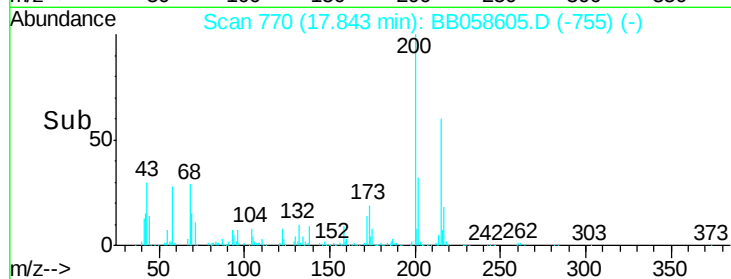
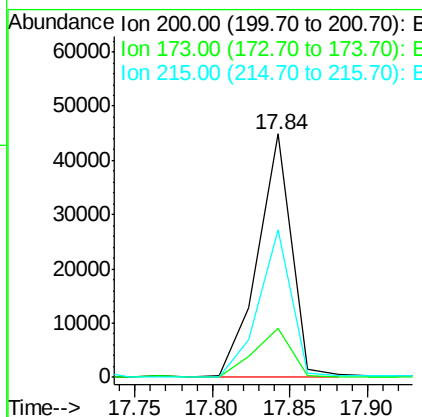
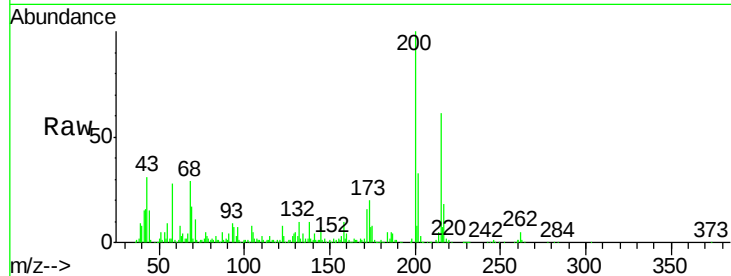
#67
Atrazine
Concen: 3.06 ng/ul
RT: 17.84 min Scan# 770
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	19.9	18.9	28.3
215	60.6	39.5	59.3

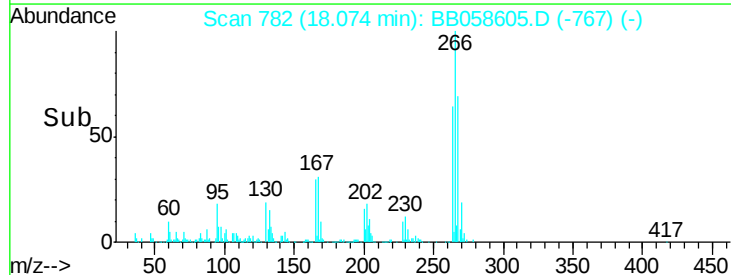
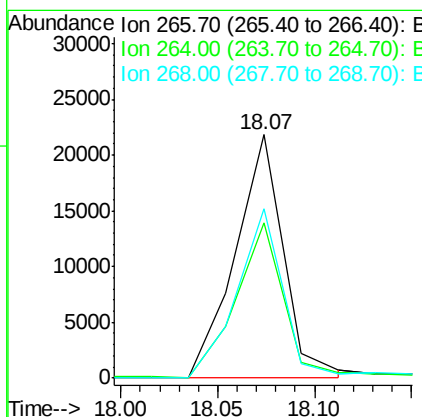
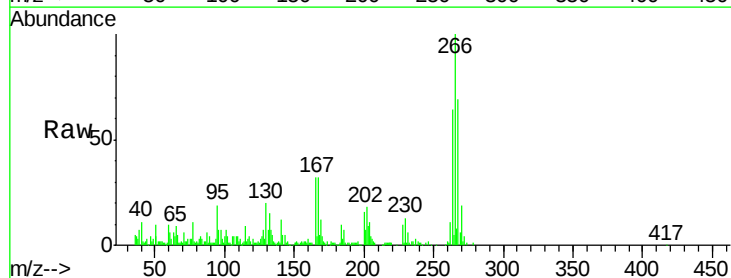
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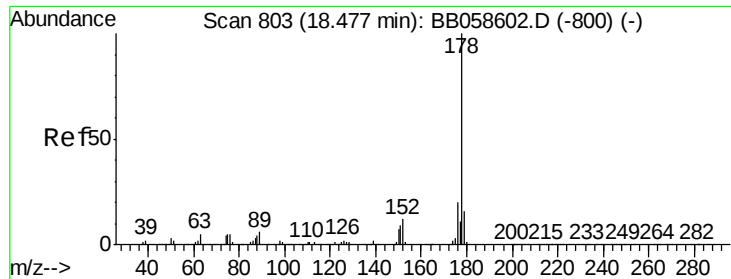
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#68
Pentachlorophenol
Concen: 2.27 ng/ul
RT: 18.07 min Scan# 782
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	63.8	50.6	75.8
268	69.3	51.0	76.6





#69

Phenanthrene

Concen: 3.44 ng/ul m

RT: 18.46 min Scan# 802

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

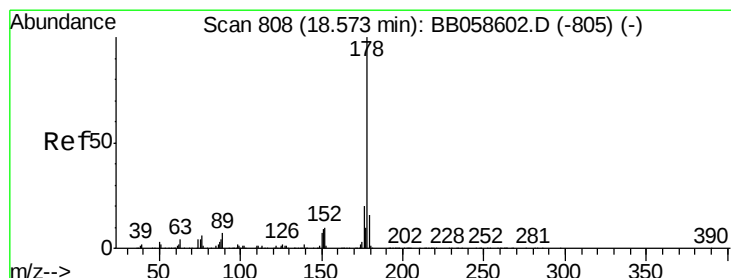
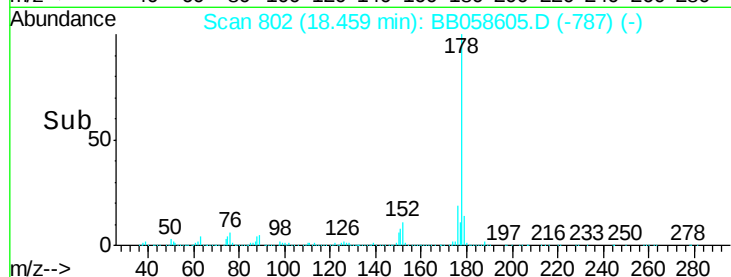
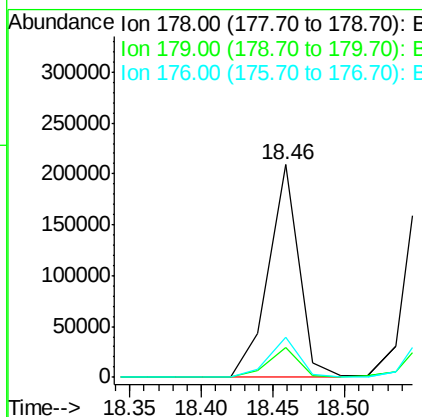
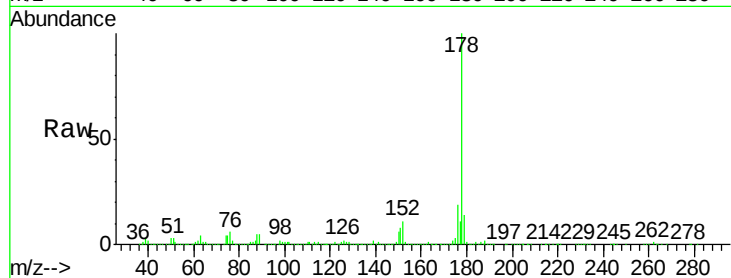
ClientSampleId :

MDL-02-S

Tgt Ion:	178	Resp:	309844
Ion Ratio	Lower	Upper	
178	100		
179	14.2	12.2	18.2
176	18.9	15.1	22.7

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#71

Anthracene

Concen: 3.55 ng/ul

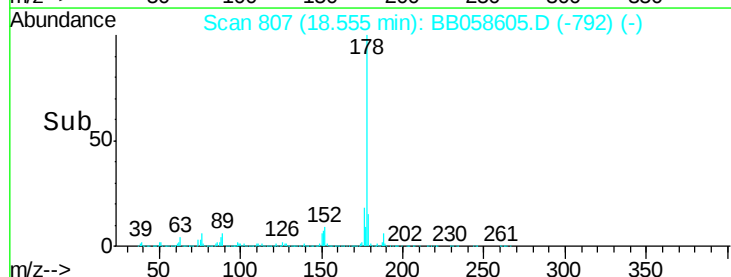
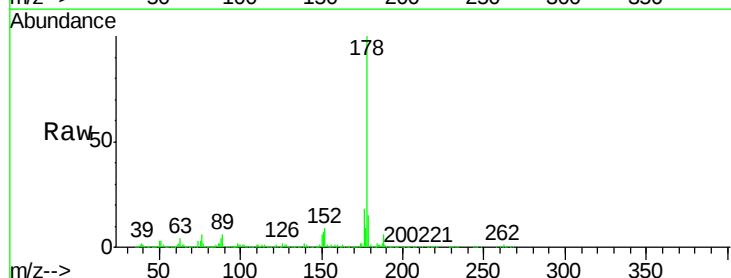
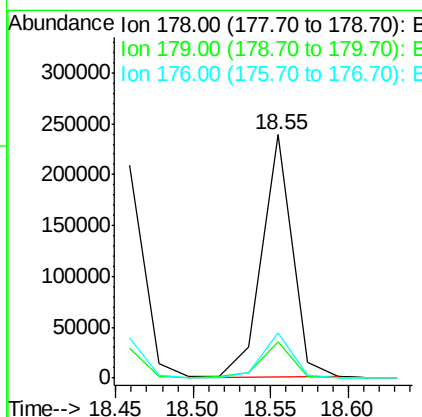
RT: 18.55 min Scan# 807

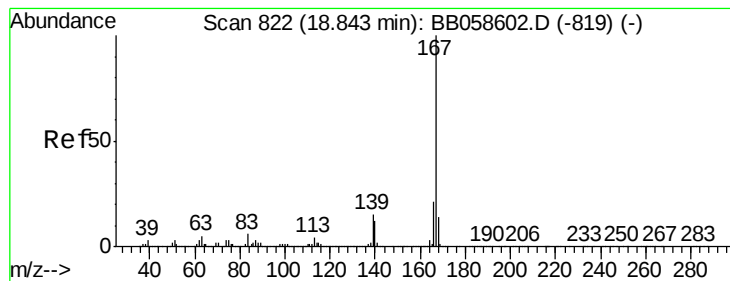
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	178	Resp:	326420
Ion Ratio	Lower	Upper	
178	100		
179	14.7	12.1	18.1
176	18.4	14.5	21.7





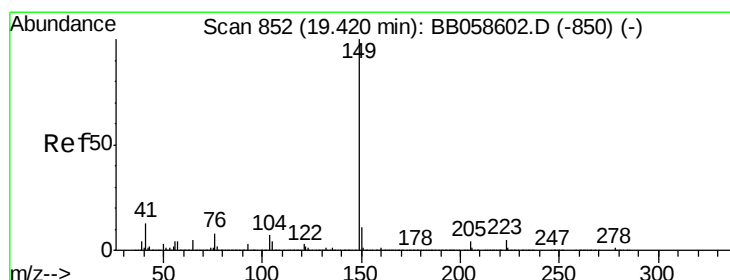
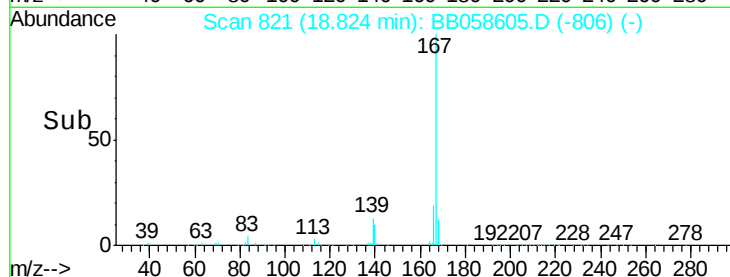
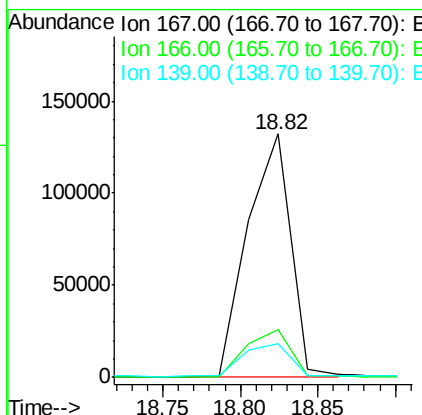
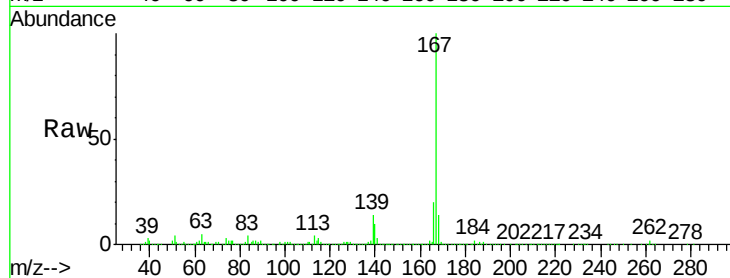
#72
 Carbazole
 Concen: 3.39 ng/ul
 RT: 18.82 min Scan# 821
 Delta R.T. -0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Instrument :
 BNA_B
 ClientSampleId :
 MDL-02-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
167	100		
166	19.5	16.6	25.0
139	14.0	10.2	15.4

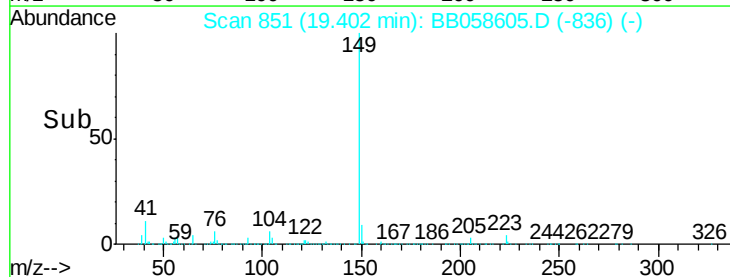
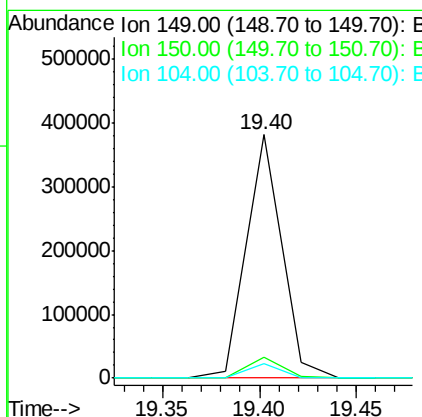
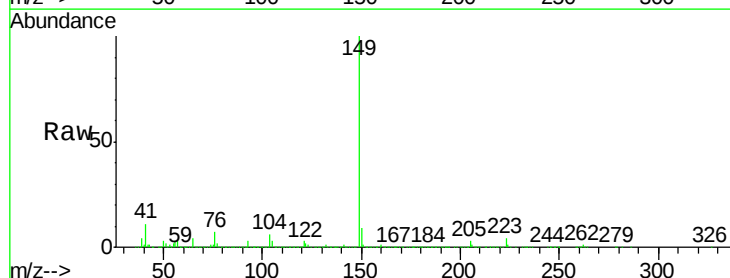
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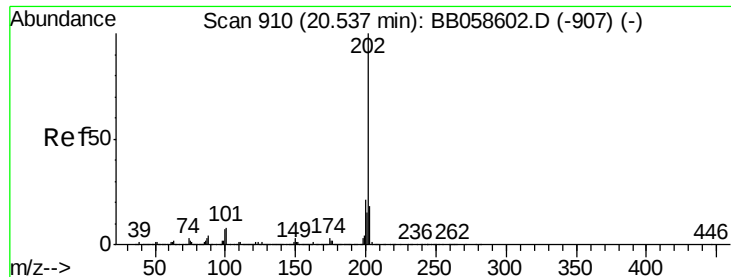
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#73
 Di-n-butylphthalate
 Concen: 3.85 ng/ul
 RT: 19.40 min Scan# 851
 Delta R.T. -0.02 min
 Lab File: BB058605.D
 Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	8.8	7.6	11.4
104	6.0	4.6	7.0





#74

Fluoranthene

Concen: 3.65 ng/ul

RT: 20.52 min Scan# 909

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

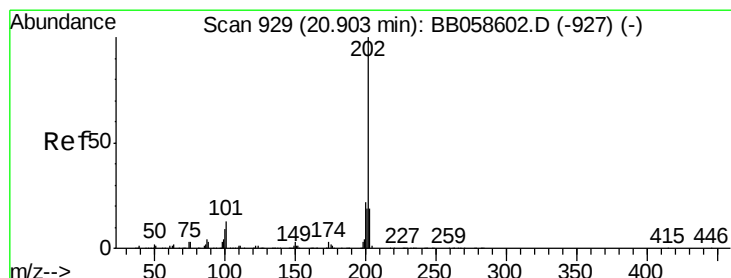
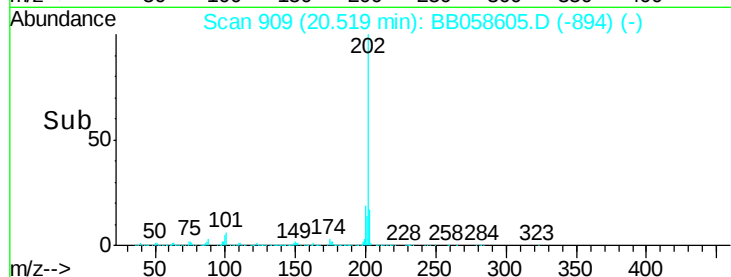
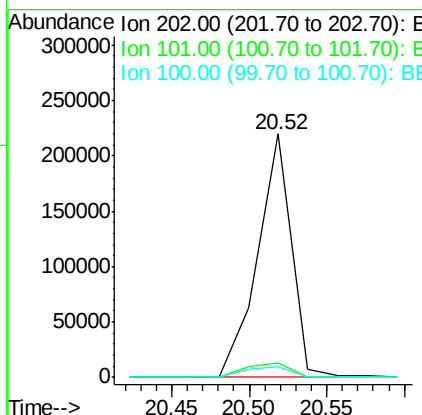
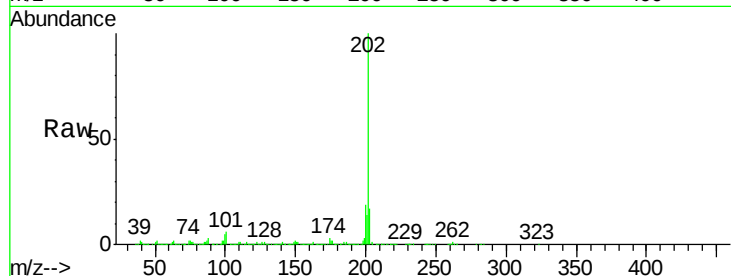
ClientSampled :

MDL-02-S

Tgt Ion:	202	Resp:	334680
Ion Ratio	Lower	Upper	
202	100		
101	5.9	6.9	10.3#
100	4.6	5.4	8.0#

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#77

Pyrene

Concen: 3.65 ng/ul

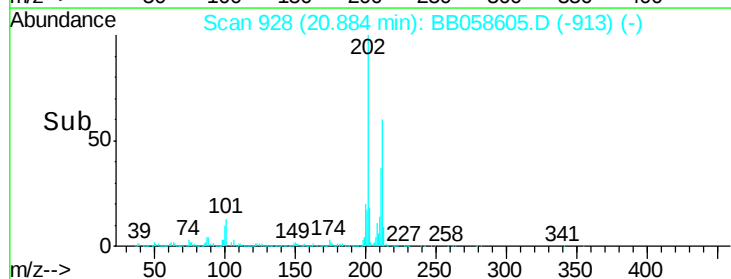
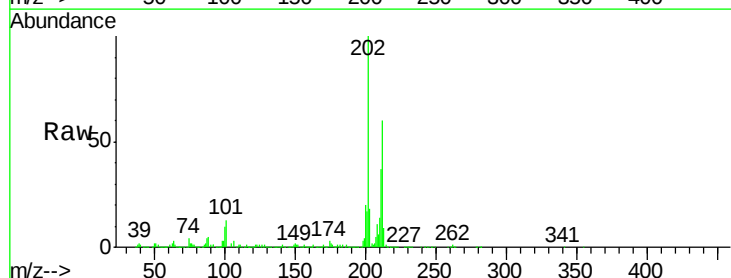
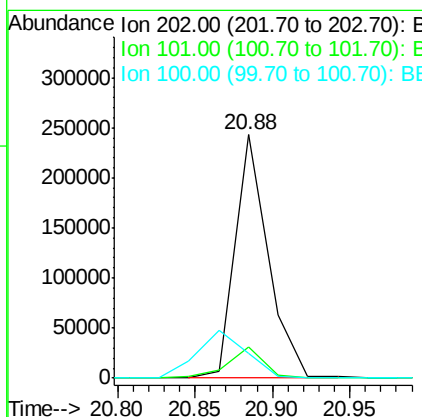
RT: 20.88 min Scan# 928

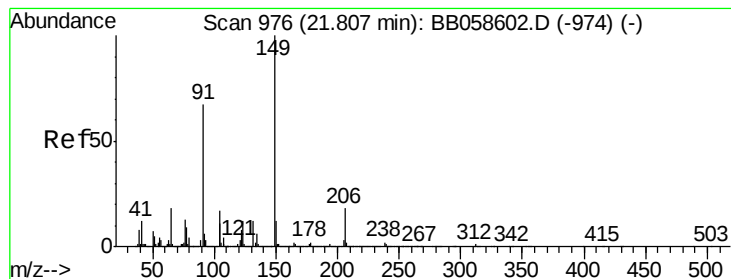
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	202	Resp:	359503
Ion Ratio	Lower	Upper	
202	100		
101	12.7	8.4	12.6#
100	10.2	6.9	10.3





#78

Butylbenzylphthalate

Concen: 3.47 ng/ul

RT: 21.79 min Scan# 975

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

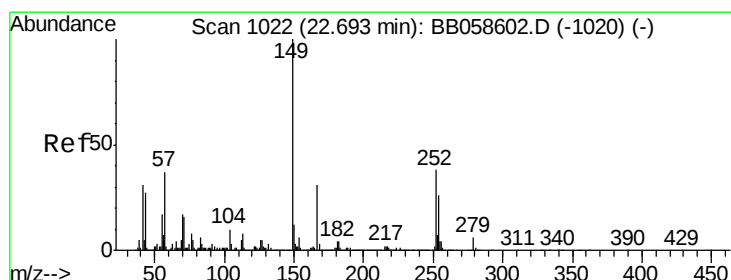
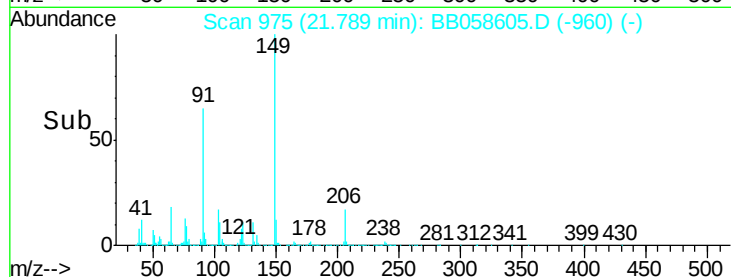
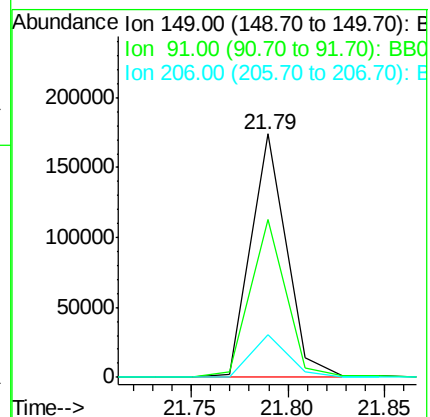
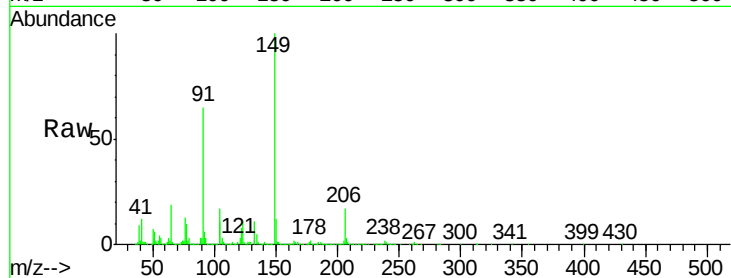
ClientSampleId :

MDL-02-S

Tgt Ion:	149	Resp:	221366
Ion Ratio	Lower	Upper	
149	100		
91	65.1	57.3	85.9
206	17.4	18.6	27.8#

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#79

3,3'-Dichlorobenzidine

Concen: 2.08 ng/ul

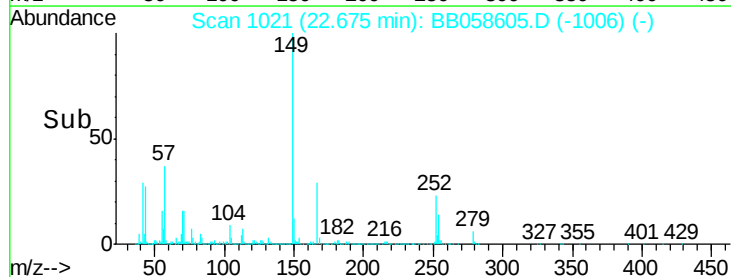
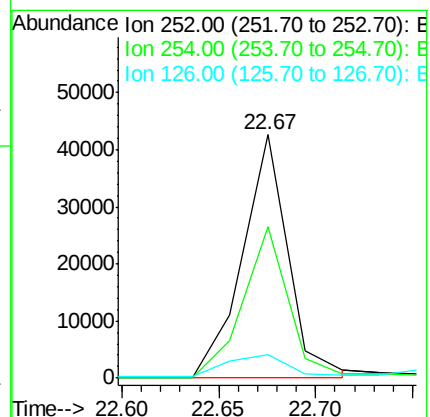
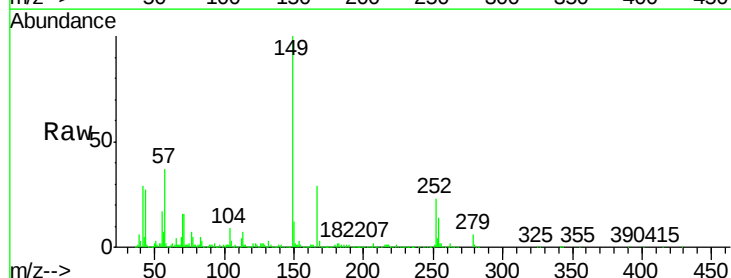
RT: 22.67 min Scan# 1021

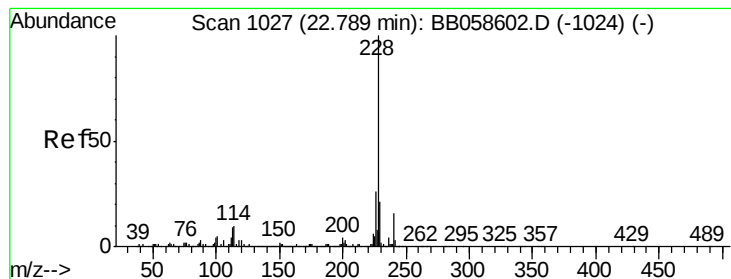
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	252	Resp:	69380
Ion Ratio	Lower	Upper	
252	100		
254	62.4	51.0	76.4
126	9.7	7.1	10.7





#80

Benzo(a)anthracene

Concen: 3.39 ng/ul

RT: 22.77 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Instrument :

BNA_B

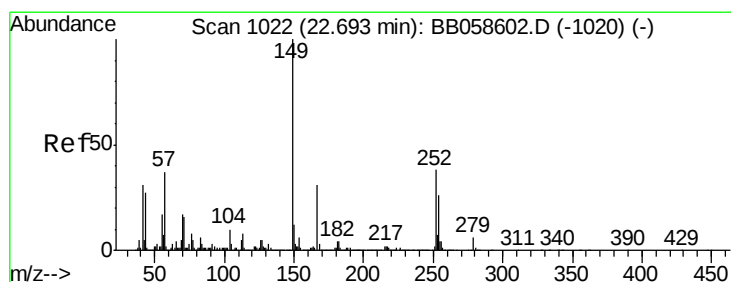
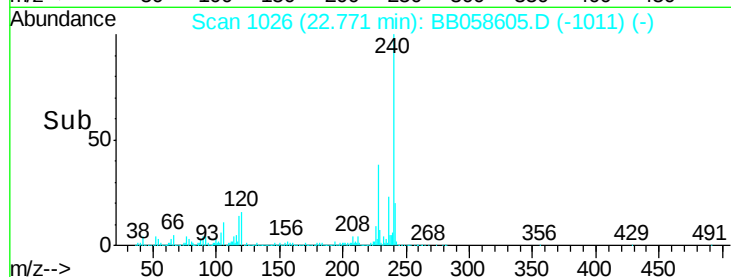
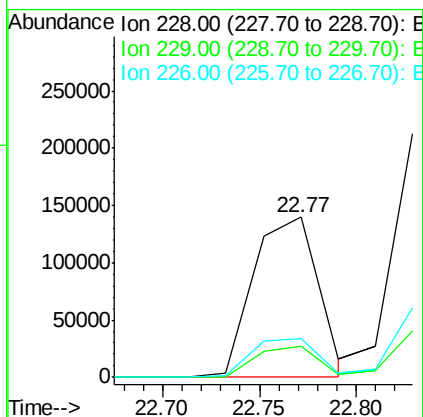
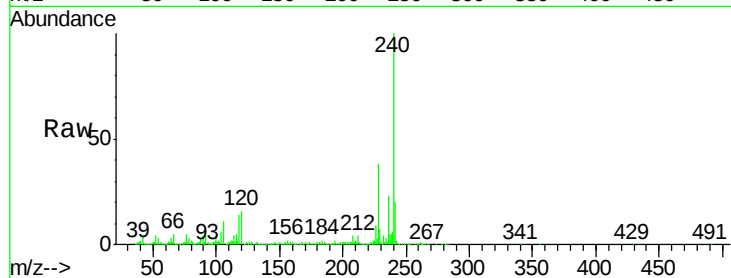
ClientSampled :

MDL-02-S

Tgt Ion:	228	Resp:	325514
Ion Ratio	Lower	Upper	
228	100		
229	19.1	15.6	23.4
226	24.0	21.8	32.8

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#81

Bis(2-ethylhexyl)phthalate

Concen: 3.28 ng/ul

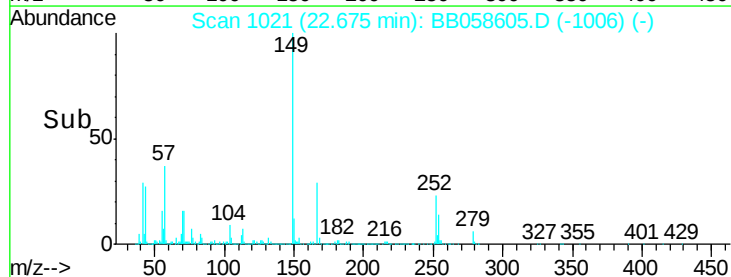
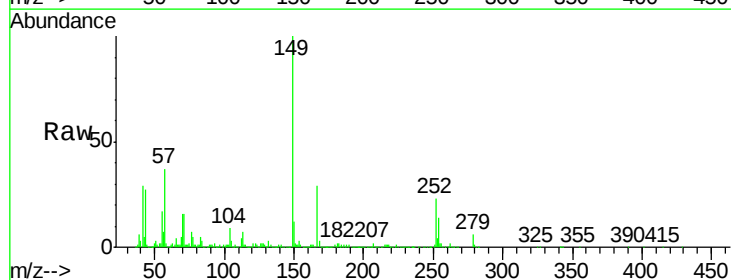
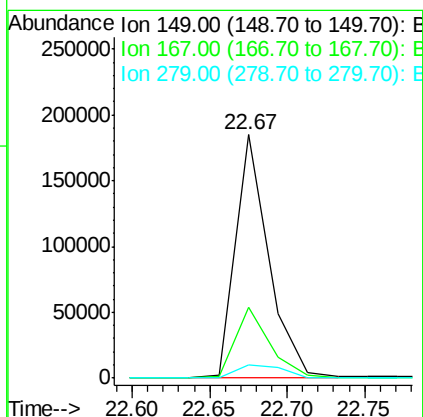
RT: 22.67 min Scan# 1021

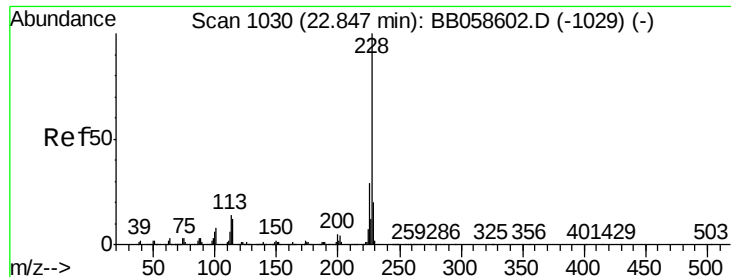
Delta R.T. -0.02 min

Lab File: BB058605.D

Acq: 11 Oct 2016 13:02

Tgt Ion:	149	Resp:	278314
Ion Ratio	Lower	Upper	
149	100		
167	29.0	23.2	34.8
279	5.5	4.1	6.1





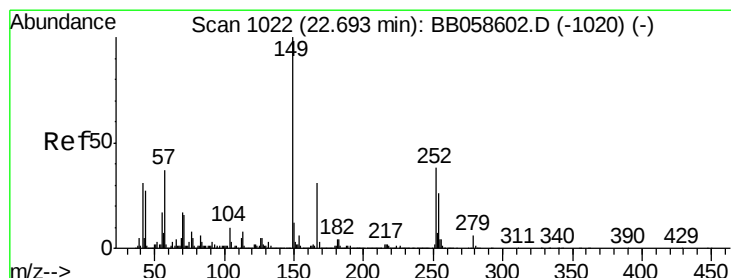
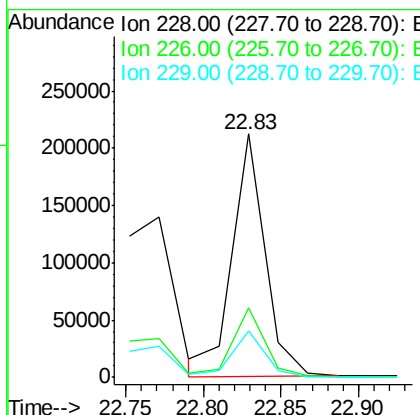
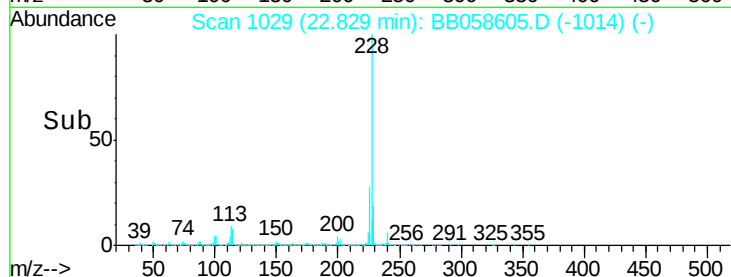
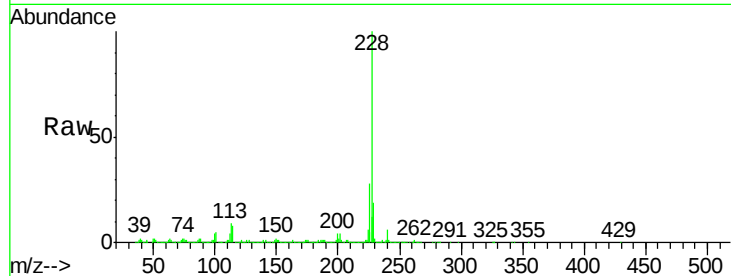
#82
Chrysene
Concen: 3.45 ng/ul
RT: 22.83 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampled :
MDL-02-S

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	309931		
226	28.4		23.4	35.2
229	18.9		15.5	23.3

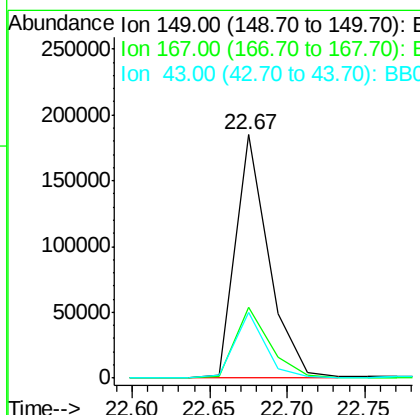
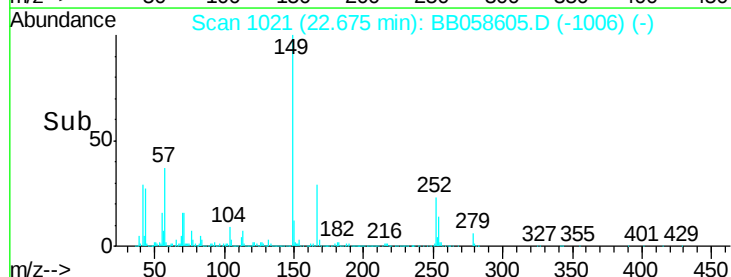
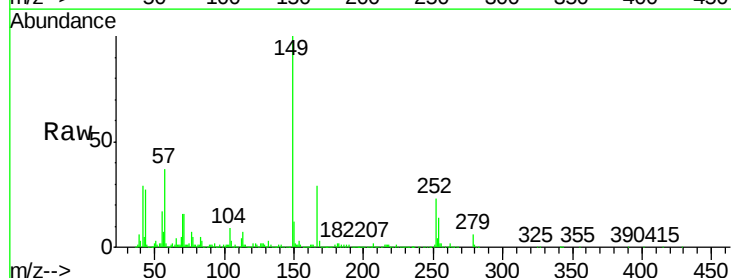
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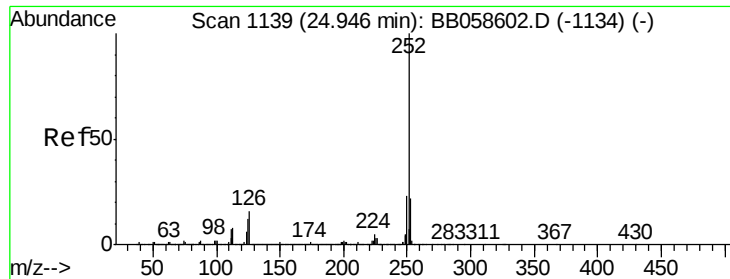
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#84
Di-n-octyl phthalate
Concen: 3.55 ng/ul
RT: 22.67 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	278314		
167	29.0		1.3	1.9#
43	27.1		6.6	10.0#





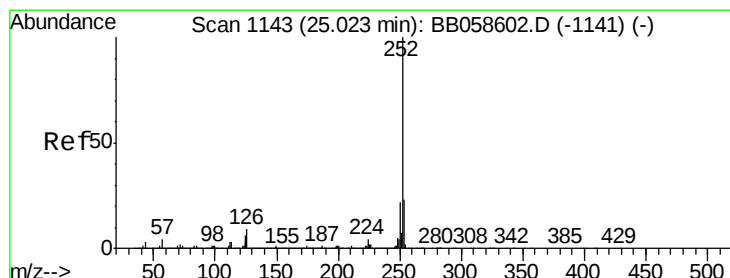
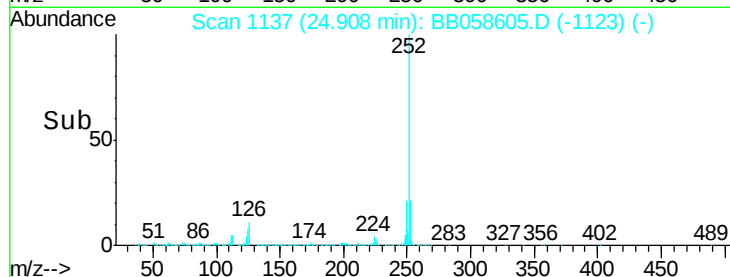
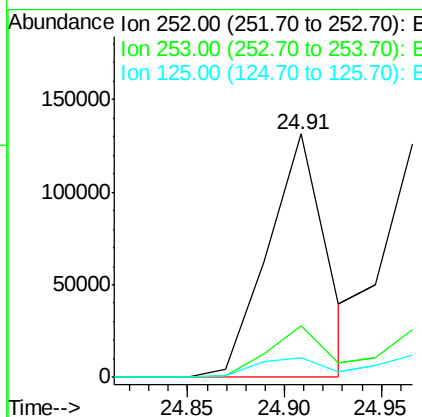
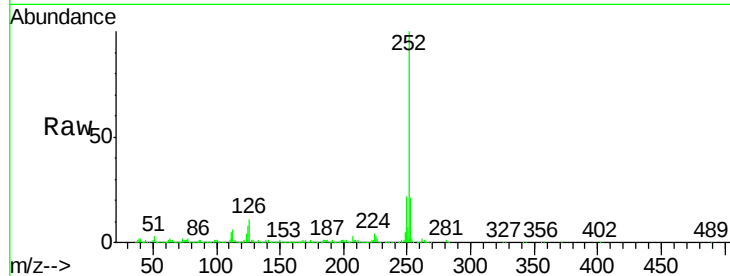
#85
Benzo(b)fluoranthene
Concen: 2.76 ng/ul
RT: 24.91 min Scan# 1137
Delta R.T. -0.04 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	8.0	5.8	8.8

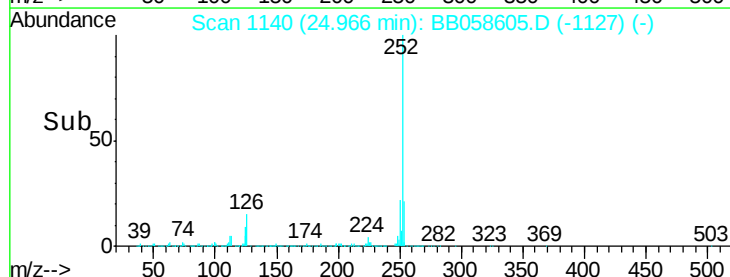
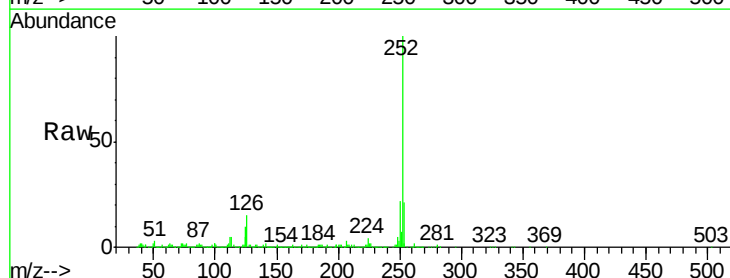
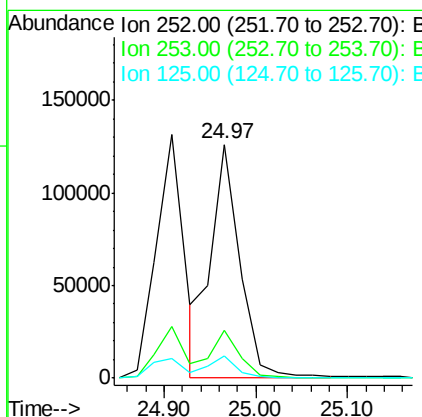
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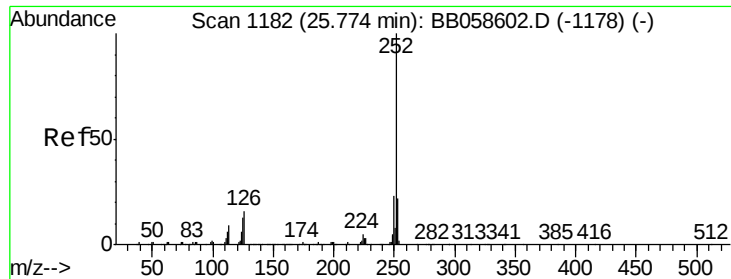
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#86
Benzo(k)fluoranthene
Concen: 3.64 ng/ul m
RT: 24.97 min Scan# 1140
Delta R.T. -0.06 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.6	26.4
125	9.5	5.7	8.5#





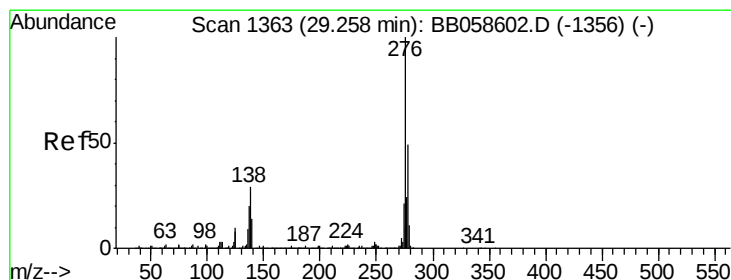
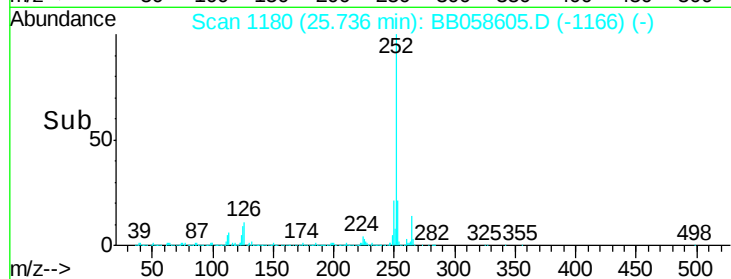
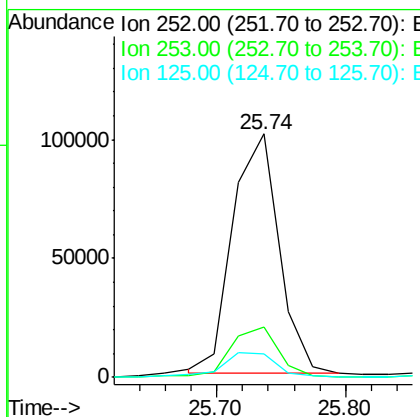
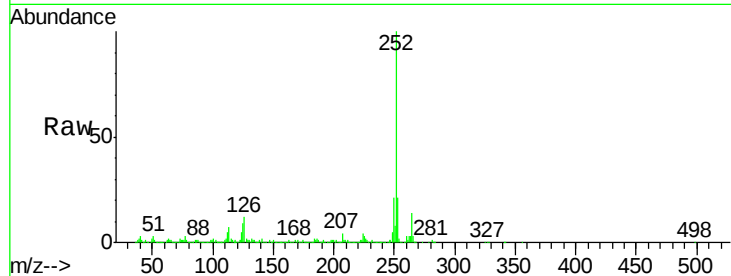
#88
Benzo(a)pyrene
Concen: 2.99 ng/ul
RT: 25.74 min Scan# 1180
Delta R.T. -0.04 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.7	26.5
125	9.4	6.6	9.8

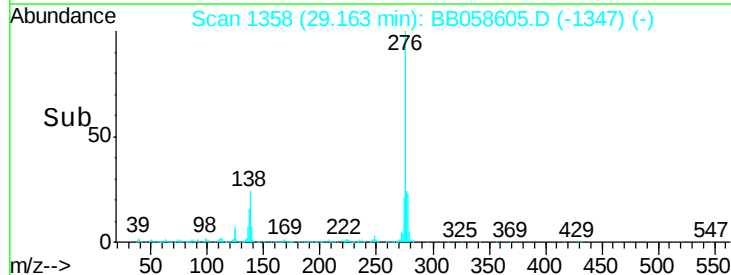
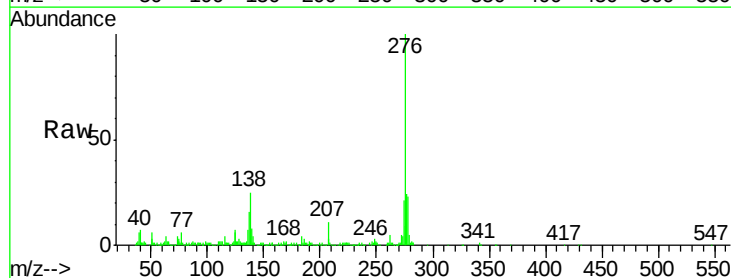
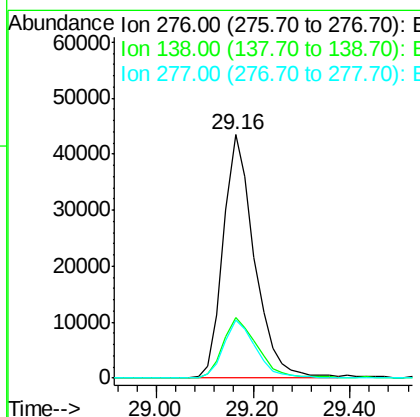
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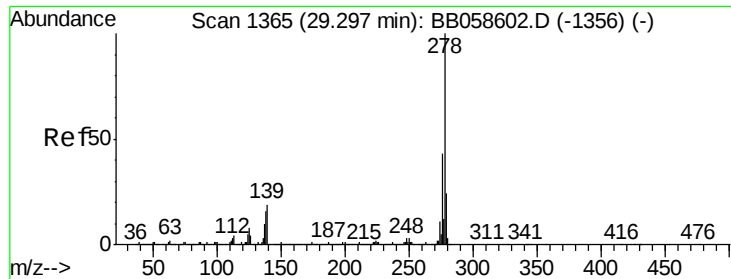
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#89
Indeno(1,2,3-cd)pyrene
Concen: 2.67 ng/ul
RT: 29.16 min Scan# 1358
Delta R.T. -0.10 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	13.9	20.9#
277	23.9	20.1	30.1





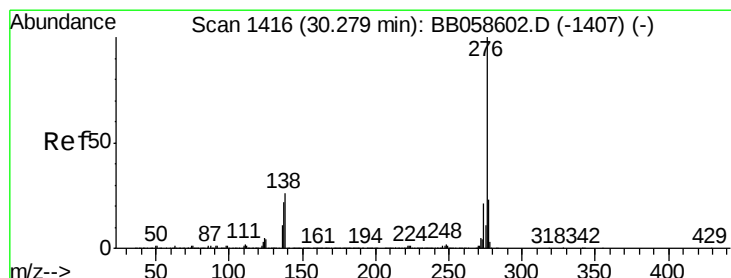
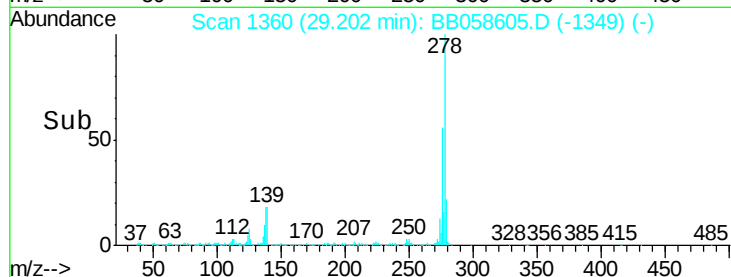
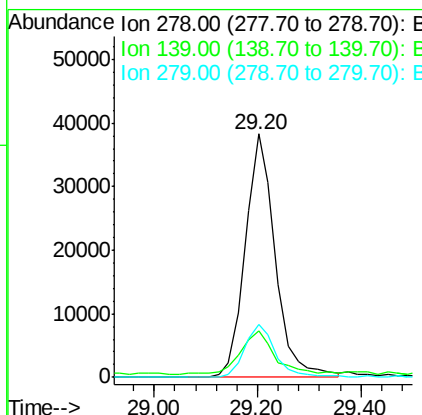
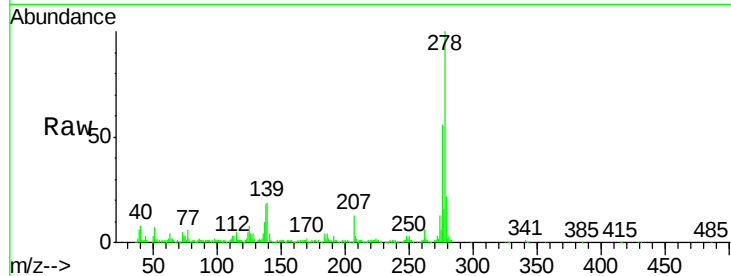
#90
Dibenzo(a,h)anthracene
Concen: 2.56 ng/ul
RT: 29.20 min Scan# 1360
Delta R.T. -0.10 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Instrument :
BNA_B
ClientSampleId :
MDL-02-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	9.5	14.3#
279	21.9	19.1	28.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.77 ng/ul
RT: 30.16 min Scan# 1410
Delta R.T. -0.11 min
Lab File: BB058605.D
Acq: 11 Oct 2016 13:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	13.5	20.3#
277	24.8	19.3	28.9

