

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021318\
 Data File : BM014228.D
 Acq On : 13 Feb 2018 19:20
 Operator : SJ/JU
 Sample : PB106453BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB106453BS

Manual Integrations
 APPROVED

Sohil
 2/14/2018 11:10:43 AM

Quant Time: Feb 14 10:40:50 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 17:16:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	95684	20.00	ng	0.00
21) Naphthalene-d8	10.31	136	444217	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	295598	20.00	ng	0.00
63) Phenanthrene-d10	16.95	188	656530	20.00	ng	0.00
75) Chrysene-d12	21.16	240	519933	20.00	ng	0.00
86) Perylene-d12	23.33	264	414583	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	830395	151.26	ng	0.00
7) Phenol-d6	6.74	99	1116116	143.55	ng	0.00
23) Nitrobenzene-d5	8.70	82	833850	83.85	ng	0.00
41) 2,4,6-Tribromophenol	15.70	330	494007	117.78	ng	0.00
44) 2-Fluorobiphenyl	12.80	172	2048759	86.52	ng	0.00
78) Terphenyl-d14	19.60	244	2691265	101.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.14	88	81792	36.257	ng	# 100
3) Pyridine	3.52	79	228985	36.656	ng	# 90
4) n-Nitrosodimethylamine	3.45	42	180507	45.361	ng	# 50
6) Aniline	6.89	93	229251	23.129	ng	91
8) 2-Chlorophenol	7.11	128	285104	45.693	ng	92
9) Benzaldehyde	6.70	77	71826	12.837	ng	91
10) Phenol	6.76	94	377545	49.188	ng	98
11) bis(2-Chloroethyl)ether	6.99	93	240782	39.685	ng	95
12) 1,3-Dichlorobenzene	7.43	146	293403	37.621	ng	# 85
13) 1,4-Dichlorobenzene	7.57	146	303428	38.727	ng	# 94
14) 1,2-Dichlorobenzene	7.88	146	296911	37.657	ng	# 92
15) Benzyl Alcohol	7.79	79	308941	42.884	ng	# 86
16) 2,2'-oxybis(1-Chloropropan	8.07	45	243680	39.486	ng	81
17) 2-Methylphenol	7.99	107	253411	43.138	ng	# 83
18) Hexachloroethane	8.59	117	132401	39.095	ng	94
19) n-Nitroso-di-n-propylamine	8.35	70	264253	39.454	ng	94
20) 3+4-Methylphenols	8.33	107	344298	40.469	ng	88
22) Acetophenone	8.36	105	500796	39.208	ng	# 90
24) Nitrobenzene	8.74	77	404860	39.539	ng	94
25) Isophorone	9.26	82	680788	41.322	ng	# 92
26) 2-Nitrophenol	9.45	139	164057	42.473	ng	# 61
27) 2,4-Dimethylphenol	9.51	122	296734	50.402	ng	# 84
28) bis(2-Chloroethoxy)methane	9.75	93	384856	45.550	ng	100
29) 2,4-Dichlorophenol	9.97	162	302405	45.970	ng	96
30) 1,2,4-Trichlorobenzene	10.17	180	336908	38.849	ng	99
31) Naphthalene	10.36	128	998321	41.044	ng	99
32) Benzoic acid	9.70	122	166482	34.809	ng	# 85
33) 4-Chloroaniline	10.50	127	80789	7.991	ng	# 83
34) Hexachlorobutadiene	10.63	225	221324	37.205	ng	96
35) Caprolactam	11.30	113	88363m	37.561	ng	
36) 4-Chloro-3-methylphenol	11.63	107	351692	43.151	ng	88
37) 2-Methylnaphthalene	11.98	142	762191	41.609	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	12.36	216	428335	41.355	ng	# 100
40) Hexachlorocyclopentadiene	12.33	237	521610	85.476	ng	99

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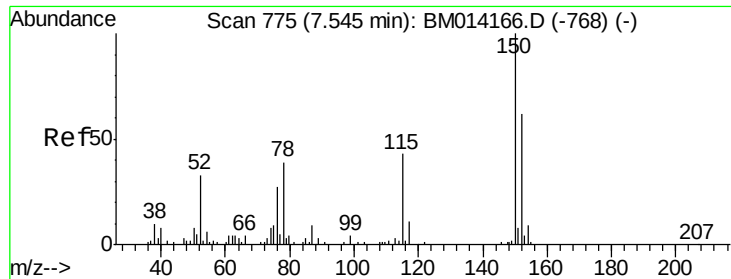
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.62	196	271414	44.606	nq	99
43) 2,4,5-Trichlorophenol	12.70	196	281682	41.930	nq	# 85
45) 1,1'-Biphenyl	13.02	154	1055491	41.221	nq	97
46) 2-Chloronaphthalene	13.06	162	811663	41.758	nq	# 91
47) 2-Nitroaniline	13.29	65	263655	36.861	nq	# 79
48) Acenaphthylene	13.92	152	1267697	39.774	nq	100
49) Dimethylphthalate	13.67	163	1016693	38.420	nq	99
50) 2,6-Dinitrotoluene	13.80	165	212846	39.198	nq	# 70
51) Acenaphthene	14.26	154	770014	39.194	nq	100
52) 3-Nitroaniline	14.13	138	80930	14.408	nq	# 70
53) 2,4-Dinitrophenol	14.35	184	207519	68.369	nq	# 82
54) Dibenzofuran	14.60	168	1295542	42.202	nq	# 90
55) 4-Nitrophenol	14.46	139	293281	66.918	nq	# 85
56) 2,4-Dinitrotoluene	14.60	165	319545	38.132	nq	# 80
57) Fluorene	15.25	166	1083114	40.104	nq	99
58) 2,3,4,6-Tetrachlorophenol	14.84	232	265509	40.117	nq	# 100
59) Diethylphthalate	15.04	149	1098775	37.406	nq	96
60) 4-Chlorophenyl-phenylether	15.25	204	564069	40.179	nq	92
61) 4-Nitroaniline	15.30	138	185965	33.088	nq	# 22
62) Azobenzene	15.54	77	1217883	39.922	nq	83
64) 4,6-Dinitro-2-methylphenol	15.37	198	143774	33.832	nq	93
65) n-Nitrosodiphenylamine	15.47	169	916145	44.202	nq	100
66) 4-Bromophenyl-phenylether	16.14	248	328551	42.697	nq	# 78
67) Hexachlorobenzene	16.26	284	338985	40.125	nq	# 76
68) Atrazine	16.44	200	319724	41.128	nq	99
69) Pentachlorophenol	16.61	266	374239	65.816	nq	98
70) Phenanthrene	17.00	178	1628290	41.114	nq	98
71) Anthracene	17.09	178	1640898	42.521	nq	99
72) Carbazole	17.37	167	1350466	37.230	nq	99
73) Di-n-butylphthalate	17.93	149	1742311	37.532	nq	# 97
74) Fluoranthene	19.02	202	1698190	36.422	nq	99
76) Benzidine	19.23	184	553681	35.758	nq	98
77) Pyrene	19.39	202	1712864	47.420	nq	98
79) Butylbenzylphthalate	20.30	149	668303	41.084	nq	# 82
80) Benzo(a)anthracene	21.14	228	1379112	40.821	nq	98
81) 3,3'-Dichlorobenzidine	21.09	252	267892	21.216	nq	99
82) Chrysene	21.20	228	1300149	39.672	nq	99
83) Bis(2-ethylhexyl)phthalate	21.08	149	885730	37.329	nq	95
84) Di-n-octyl phthalate	21.94	149	1321319	40.225	nq	96
85) Indeno(1,2,3-cd)pyrene	25.50	276	1182218	45.883	nq	98
87) Benzo(b)fluoranthene	22.69	252	1181608	41.075	nq	# 93
88) Benzo(k)fluoranthene	22.73	252	1114180	40.742	nq	# 96
89) Benzo(a)pyrene	23.24	252	1069594	42.191	nq	99
90) Dibenzo(a,h)anthracene	25.50	278	992275	47.896	nq	# 94
91) Benzo(g,h,i)perylene	26.15	276	991988	51.214	nq	# 89

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



#1

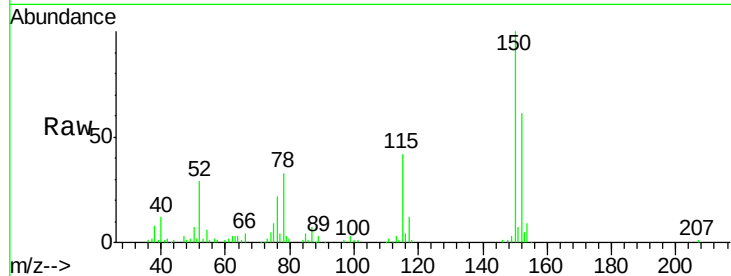
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.54 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampled :
PB106453BS

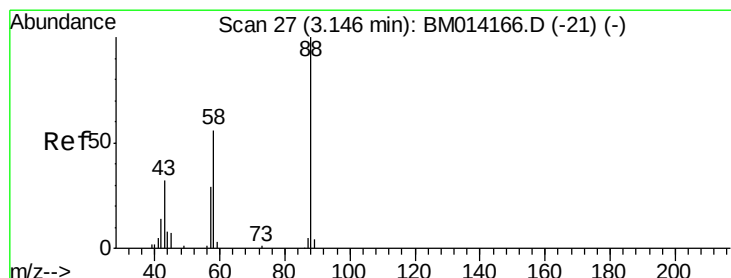
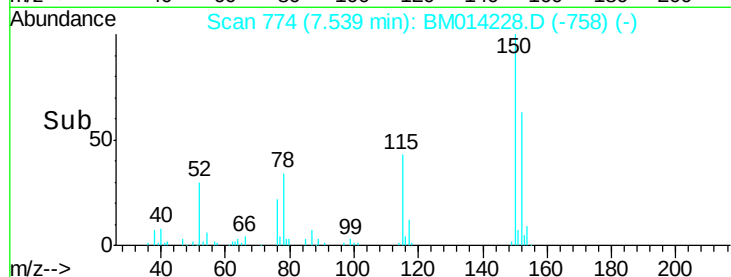
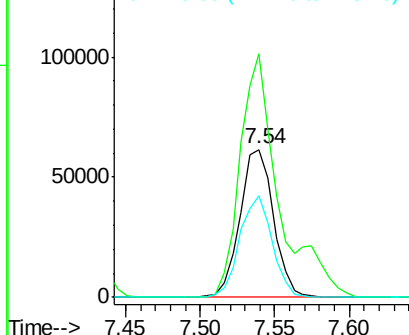
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.3	119.5	179.3
115	68.9	43.0	64.4

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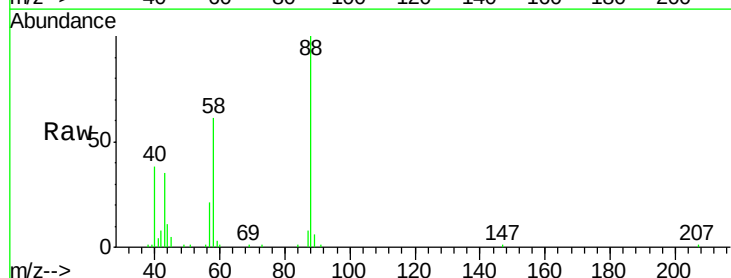
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



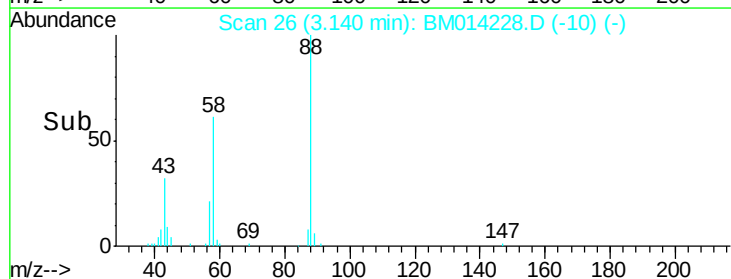
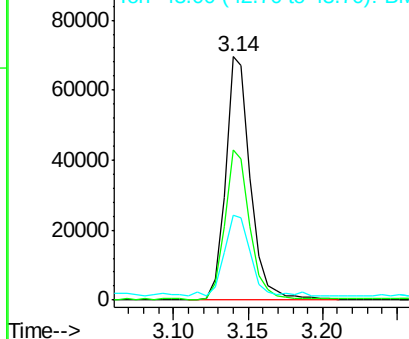
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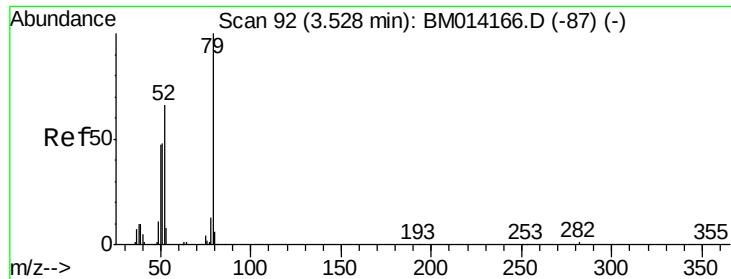
1,4-Dioxane
Concen: 36.257 ng
RT: 3.14 min Scan# 26
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.0	0.0	0.0
43	34.0	0.0	0.0



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 36.656 ng

RT: 3.52 min Scan# 91

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

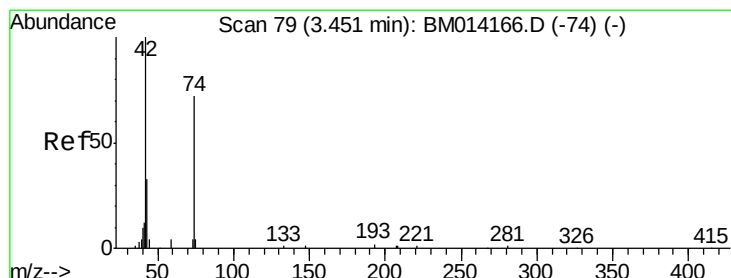
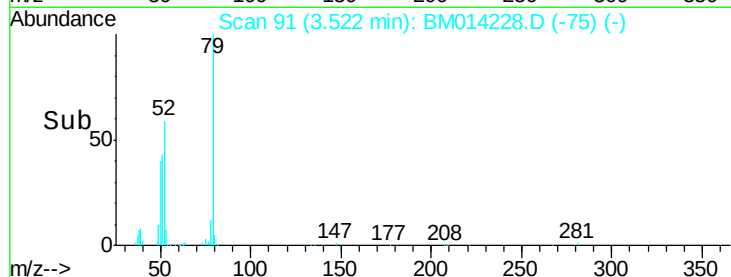
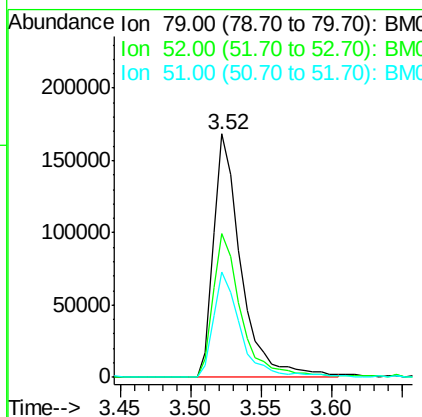
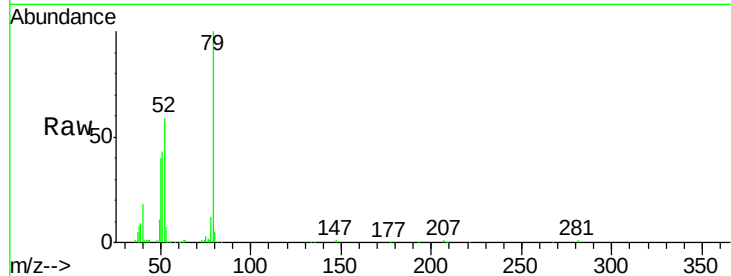
ClientSampled :

PB106453BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		228985		
52	59.3		51.1	76.7	
51	43.4		26.1	39.1	

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#4

n-Nitrosodimethylamine

Concen: 45.361 ng

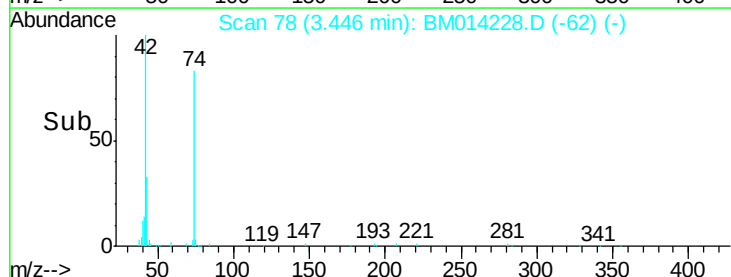
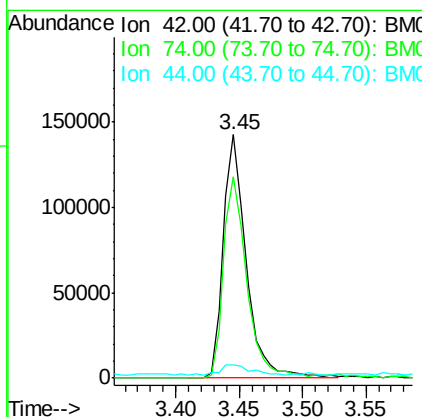
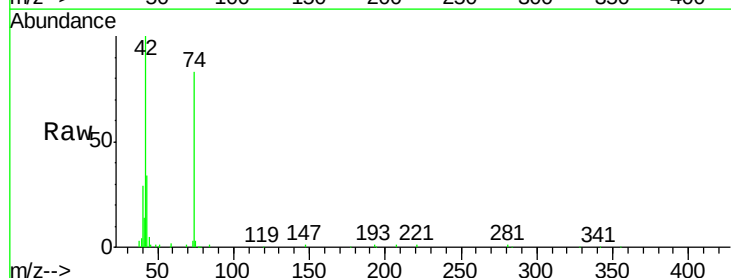
RT: 3.45 min Scan# 78

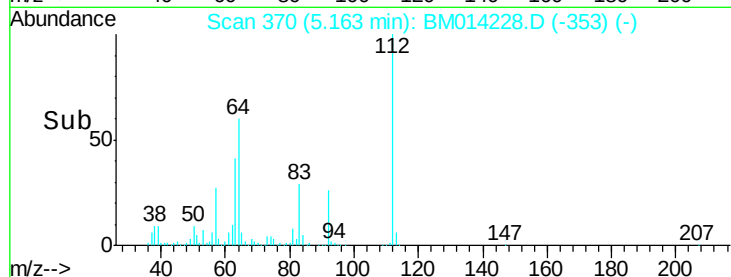
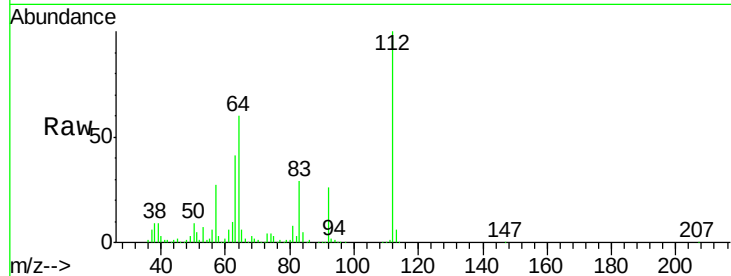
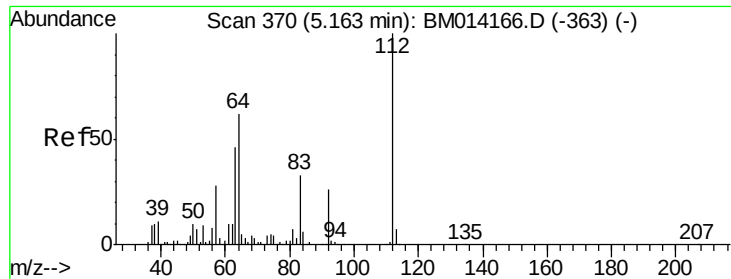
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		180507		
74	82.8		119.3	178.9	
44	5.2		5.4	8.2	





#5

2-Fluorophenol

Concen: 151.265 ng

RT: 5.16 min Scan# 370

Delta R.T. 0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

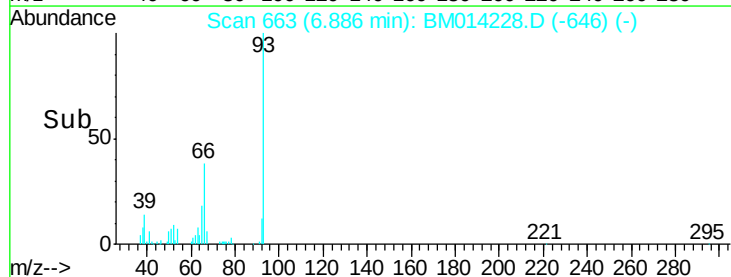
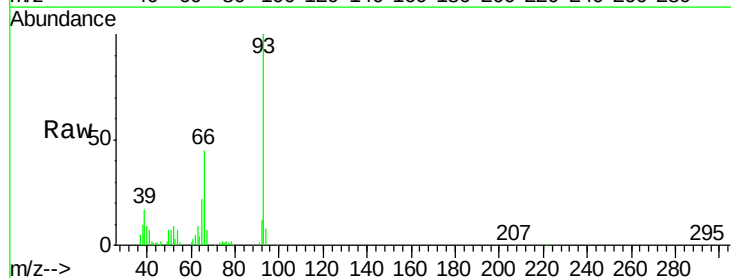
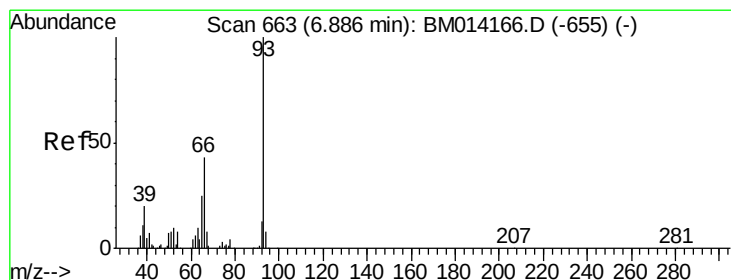
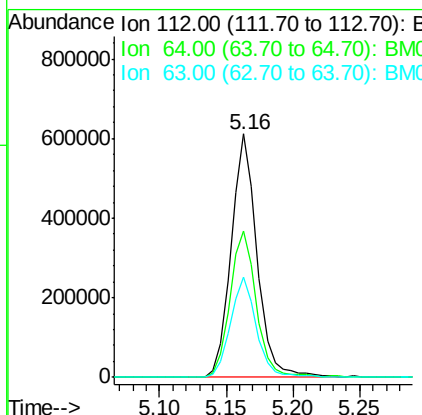
ClientSampleId :

PB106453BS

Tot Ion:	112	Resp:	830395
Ion Ratio	Lower	Upper	
112	100		
64	60.3	38.6	57.8#
63	41.1	19.3	28.9#

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#6

Aniline

Concen: 23.129 ng

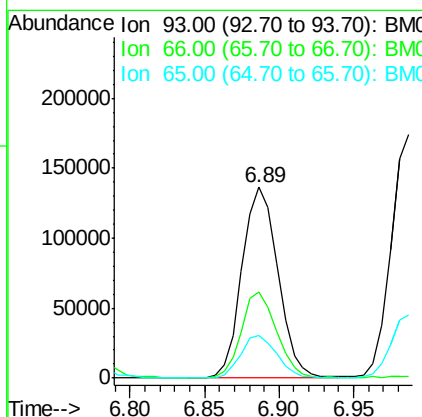
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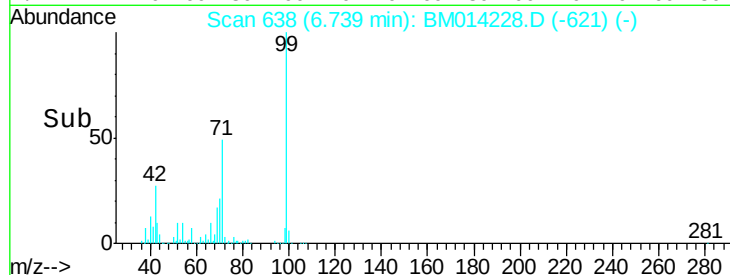
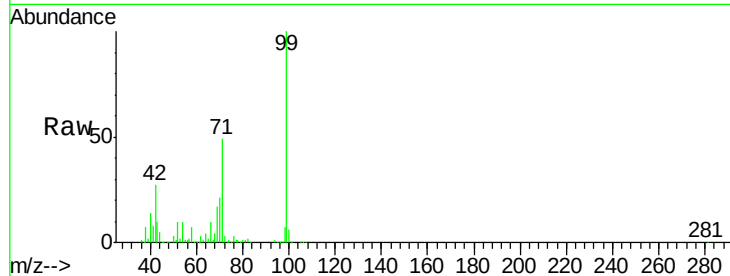
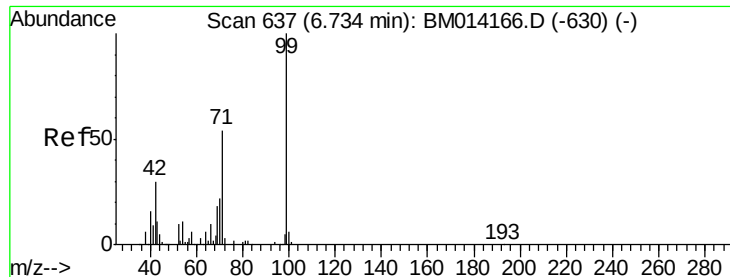
Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	93	Resp:	229251
Ion Ratio	Lower	Upper	
93	100		
66	44.9	30.8	46.2
65	22.5	16.0	24.0





#7

Phenol-d6

Concen: 143.553 ng

RT: 6.74 min Scan# 638

Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tot Ion:	99	Resp:	1116116
Ion	Ratio	Lower	Upper
99	100		
42	27.4	11.0	16.4#
71	49.4	23.4	35.2#

Instrument :

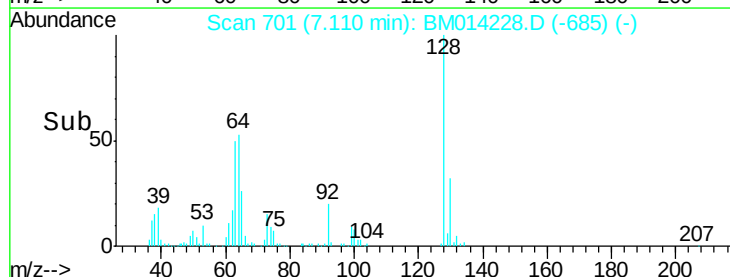
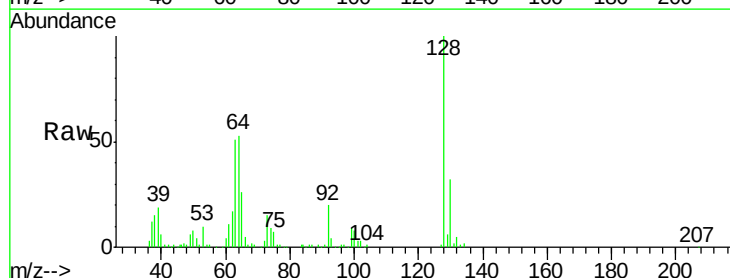
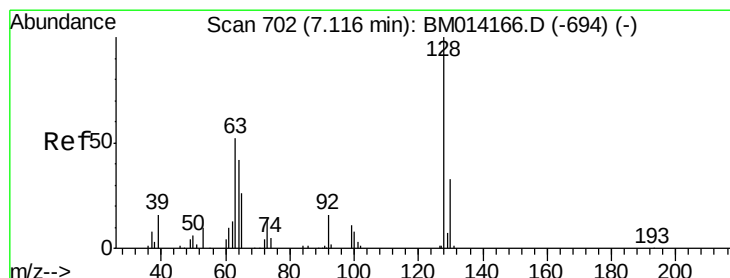
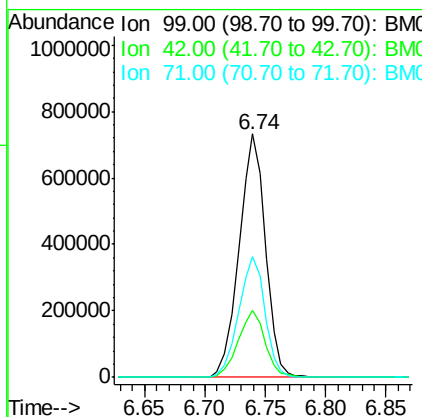
BNA_M

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#8

2-Chlorophenol

Concen: 45.693 ng

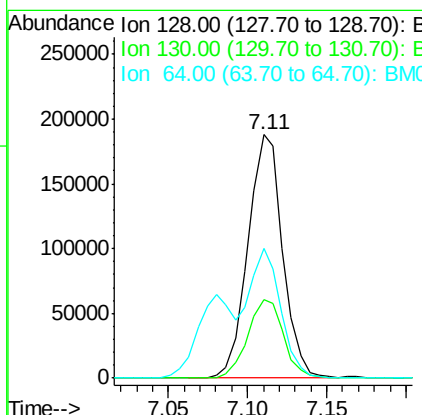
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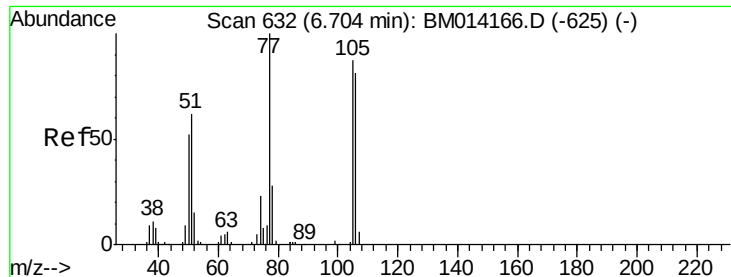
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	128	Resp:	285104
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.0	52.0
64	53.4	24.9	64.9





#9

Benzaldehyde

Concen: 12.837 ng

RT: 6.70 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

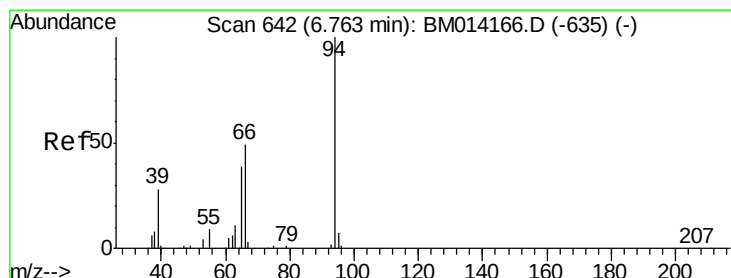
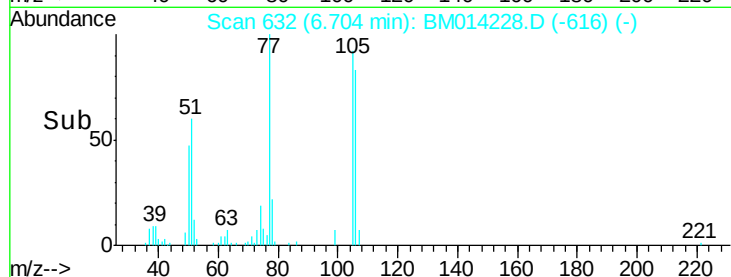
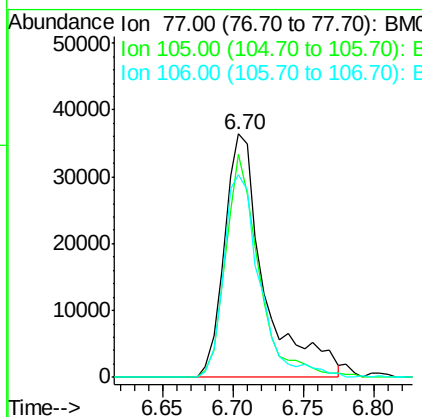
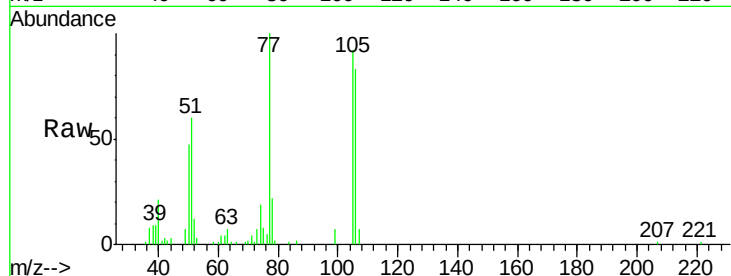
ClientSampleID :

PB106453BS

Tot Ion:	77	Resp:	71826
Ion	Ratio	Lower	Upper
77	100		
105	91.8	78.8	118.8
106	83.0	73.7	113.7

Manual Integrations
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#10

Phenol

Concen: 49.188 ng

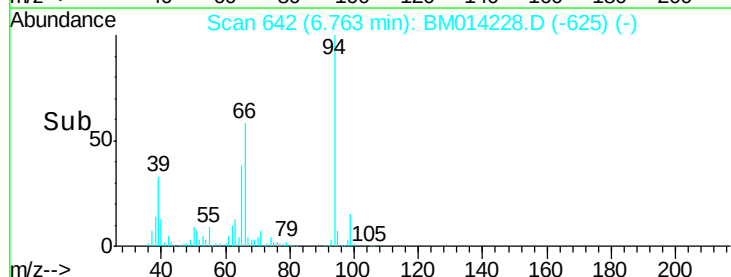
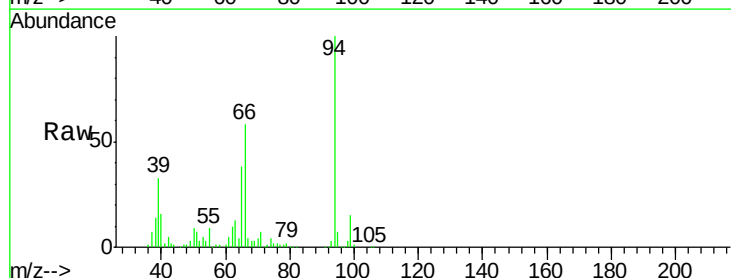
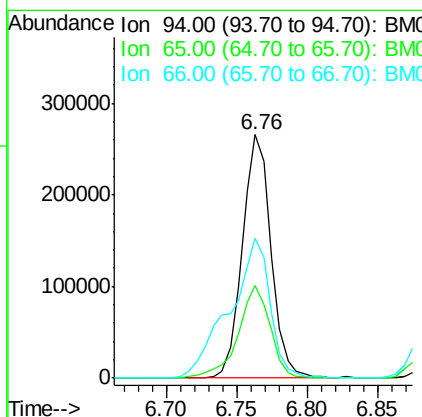
RT: 6.76 min Scan# 642

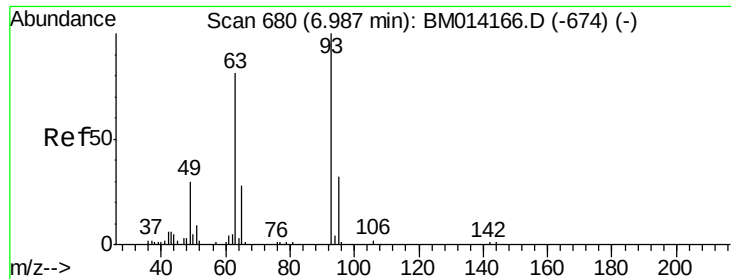
Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	94	Resp:	377545
Ion	Ratio	Lower	Upper
94	100		
65	38.2	18.8	58.8
66	57.7	39.9	79.9





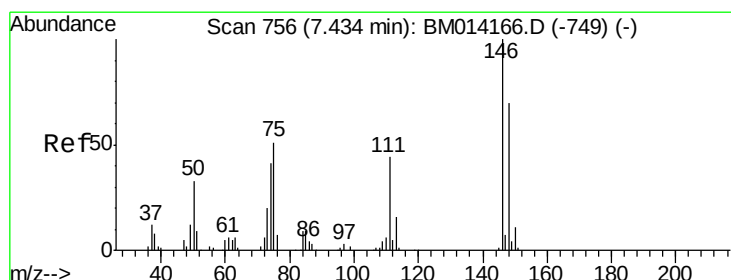
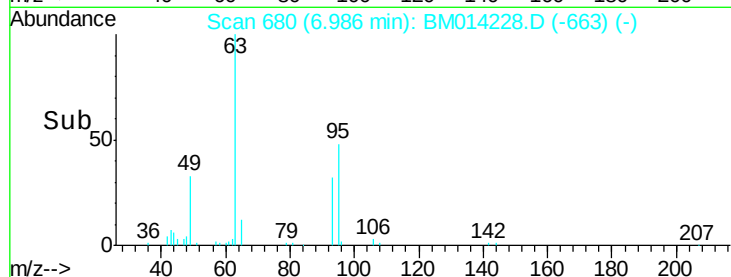
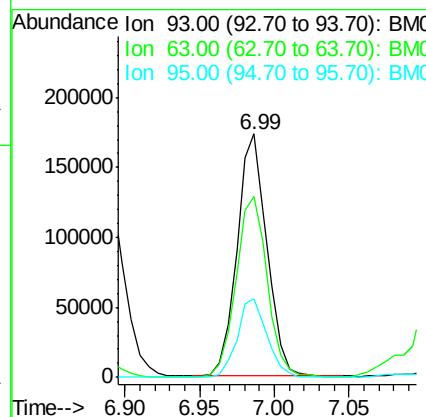
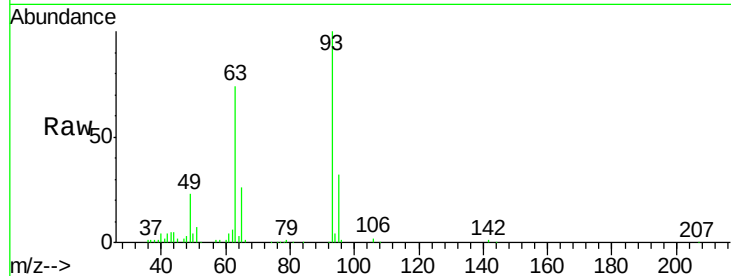
#11
bis(2-Chloroethyl)ether
Concen: 39.685 ng
RT: 6.99 min Scan# 680
Delta R.T. -0.00 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	240782		
63	74.4		49.5	89.5
95	32.1		13.5	53.5

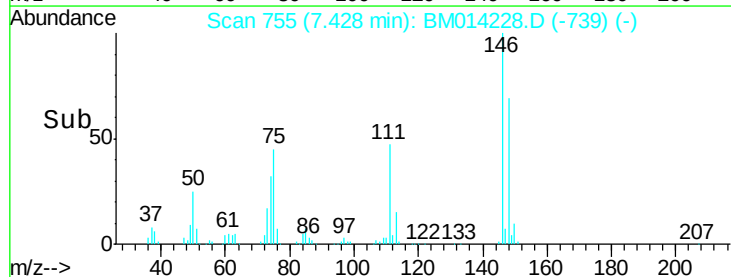
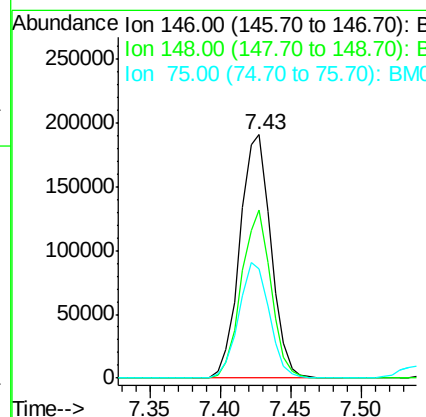
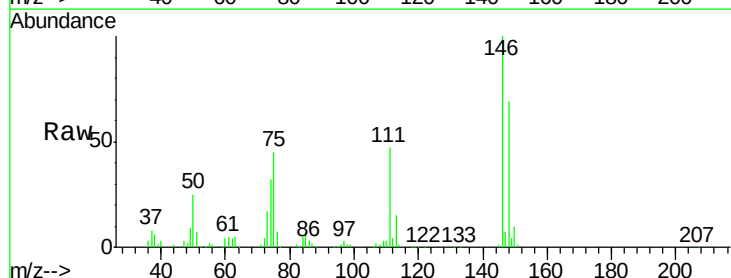
Manual Integrations
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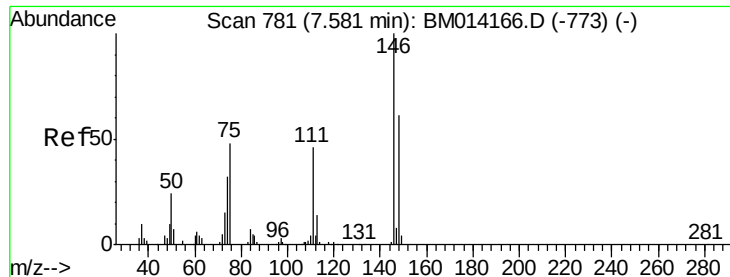
Sohil
2/14/2018 11:10:43 AM



#12
1,3-Dichlorobenzene
Concen: 37.621 ng
RT: 7.43 min Scan# 755
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	293403		
148	69.0		50.9	76.3
75	44.6		21.4	32.2#





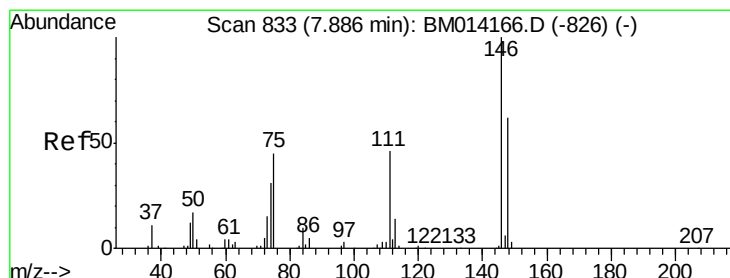
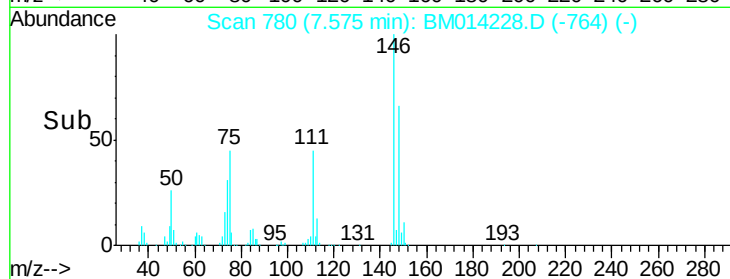
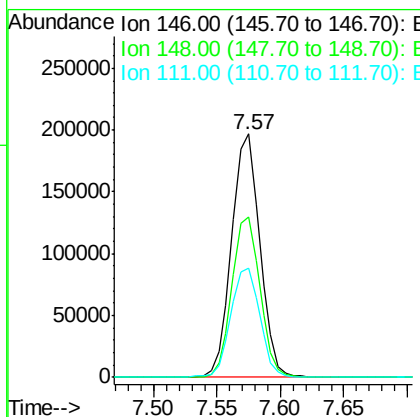
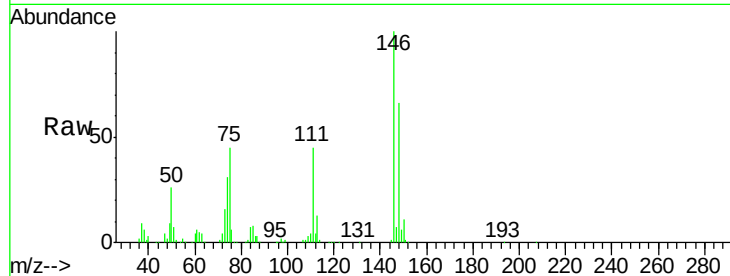
#13
1,4-Dichlorobenzene
Concen: 38.727 ng
RT: 7.57 min Scan# 780
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampled :
PB106453BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.9	77.9
111	45.1	29.2	43.8

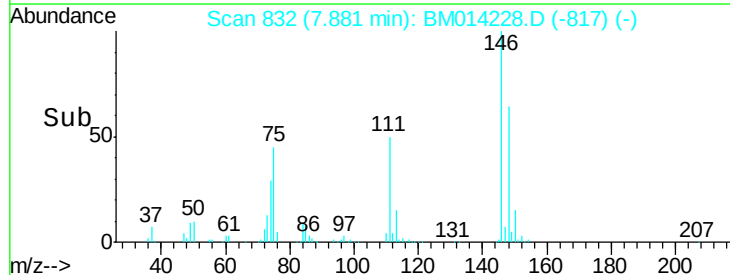
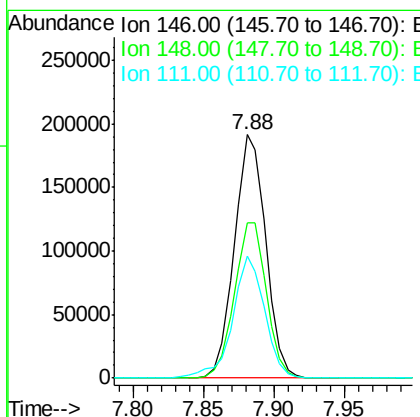
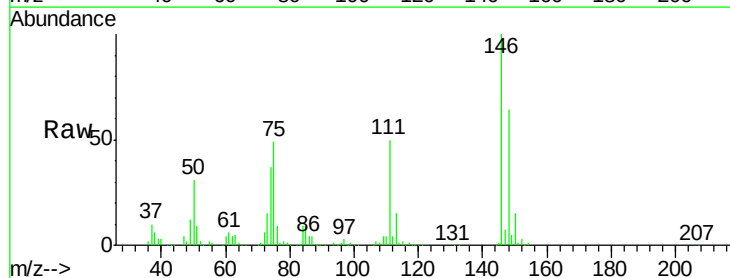
Manual Integrations
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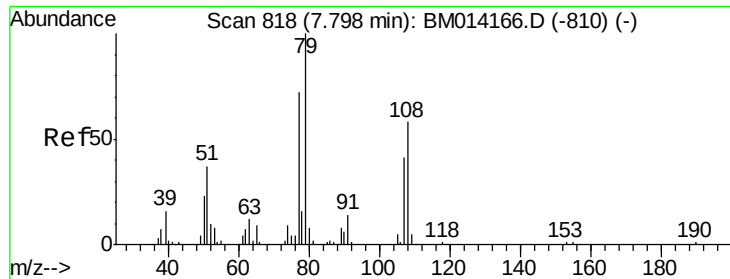
Sohil
2/14/2018 11:10:43 AM



#14
1,2-Dichlorobenzene
Concen: 37.657 ng
RT: 7.88 min Scan# 832
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.3	78.5
111	49.9	30.6	45.8





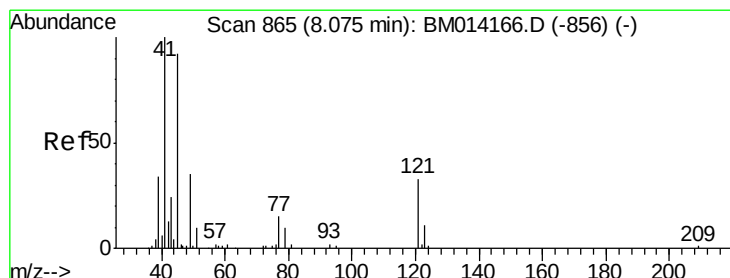
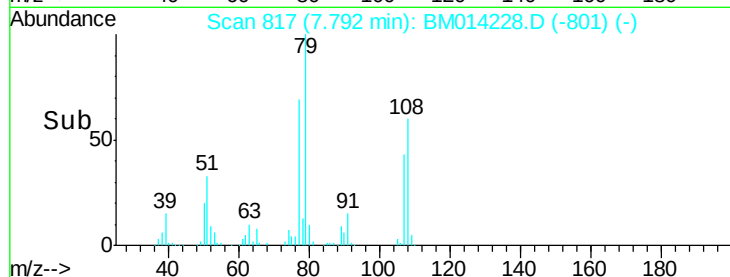
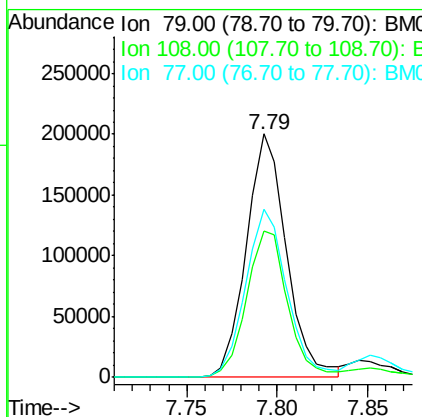
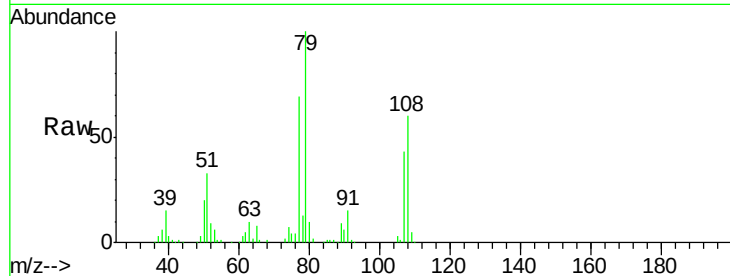
#15
Benzyl Alcohol
Concen: 42.884 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampled :
PB106453BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	60.2	65.0	97.4#
77	69.0	53.0	79.6

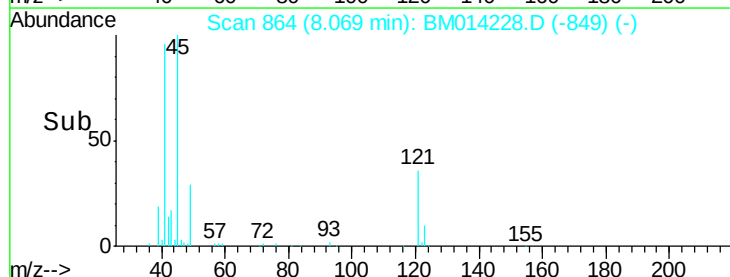
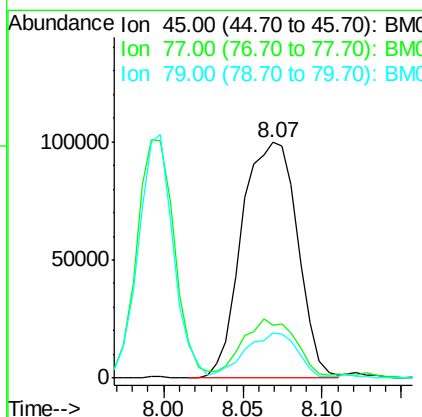
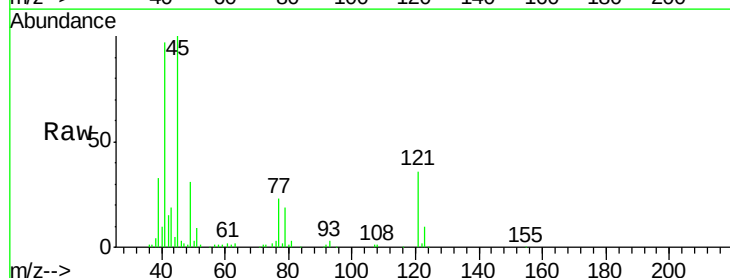
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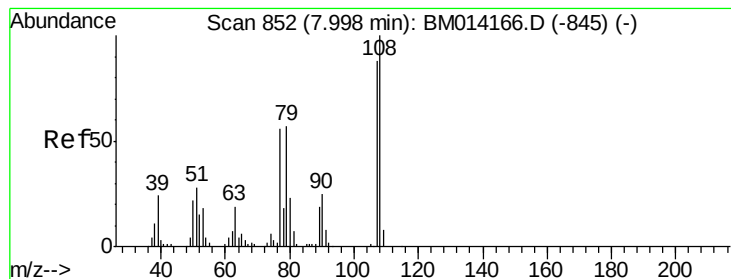
Sohil
2/14/2018 11:10:43 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.486 ng
RT: 8.07 min Scan# 864
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
45	100		
77	22.7	0.0	35.2
79	19.5	0.0	32.0





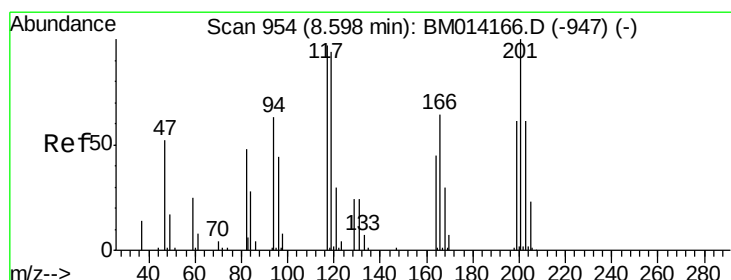
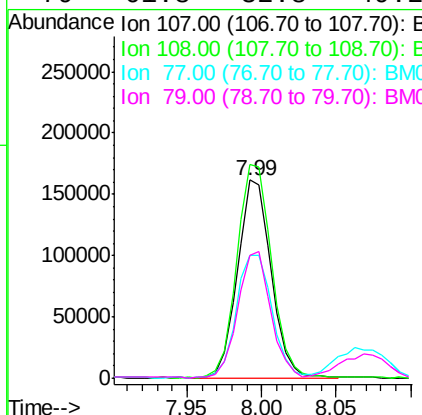
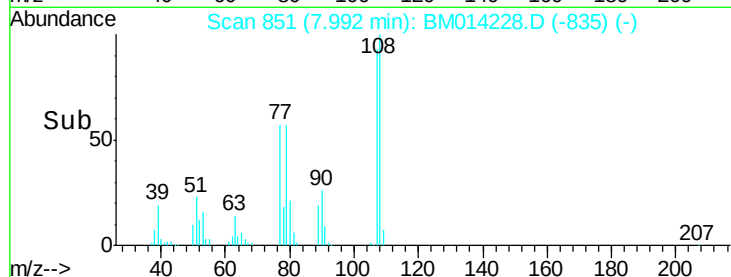
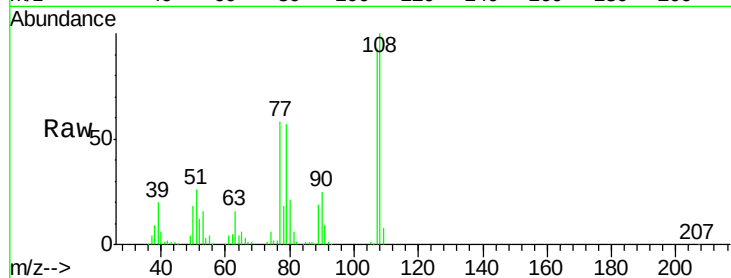
#17
2-Methylphenol
Concen: 43.138 ng
RT: 7.99 min Scan# 851
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampled :
PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	253411		
108	107.8	89.8	134.8	
77	62.3	32.6	48.8	
79	61.8	32.8	49.2	

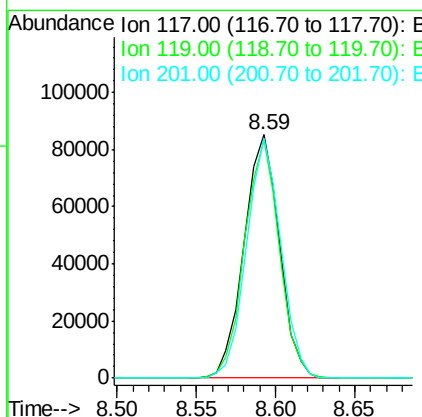
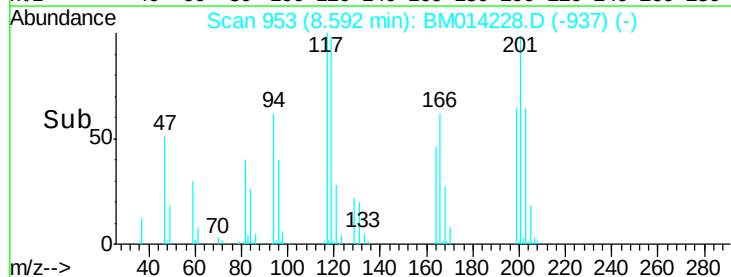
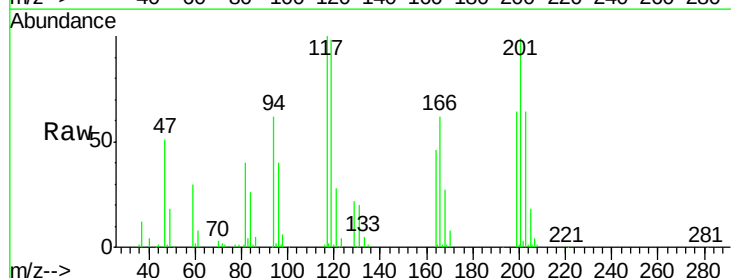
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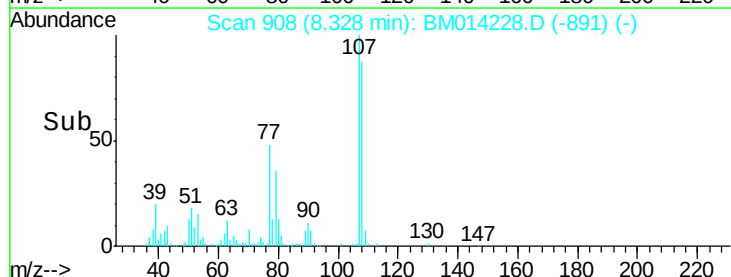
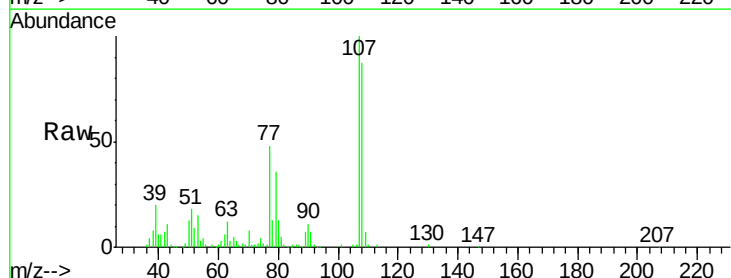
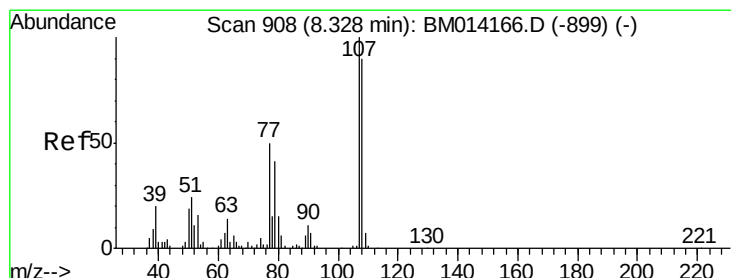
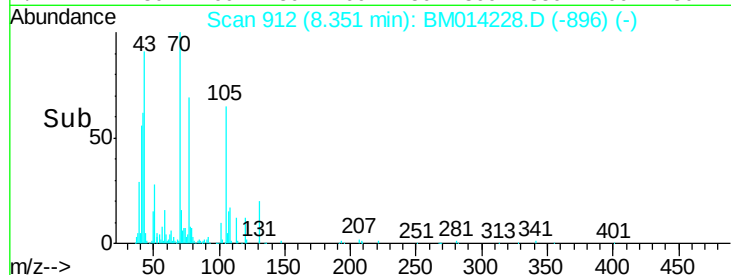
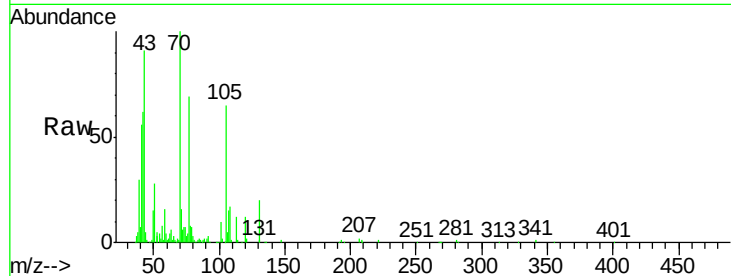
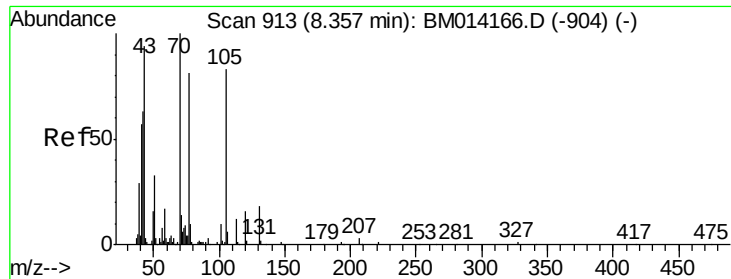
Sohil
2/14/2018 11:10:43 AM



#18
Hexachloroethane
Concen: 39.095 ng
RT: 8.59 min Scan# 953
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	132401		
119	97.9	79.2	118.8	
201	98.7	69.8	104.6	





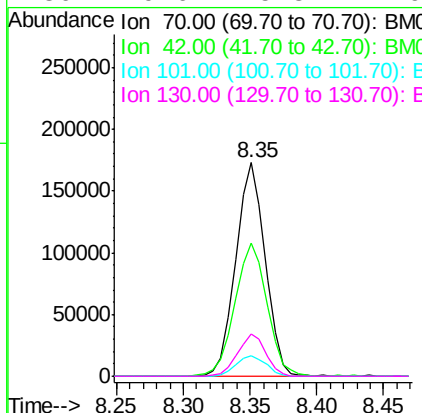
#19
n-Nitroso-di-n-propylamine
Concen: 39.454 ng
RT: 8.35 min Scan# 912
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.1	44.5	66.7
101	9.8	7.4	11.2
130	19.6	15.3	22.9

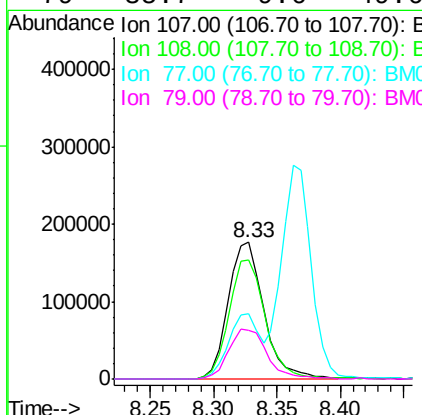
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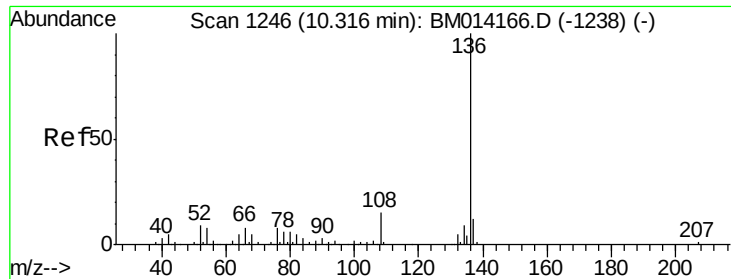
Sohil
2/14/2018 11:10:43 AM



#20
3+4-Methylphenols
Concen: 40.469 ng
RT: 8.33 min Scan# 908
Delta R.T. 0.00 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.4	73.2	113.2
77	48.0	10.7	50.7
79	35.7	9.6	49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.31 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

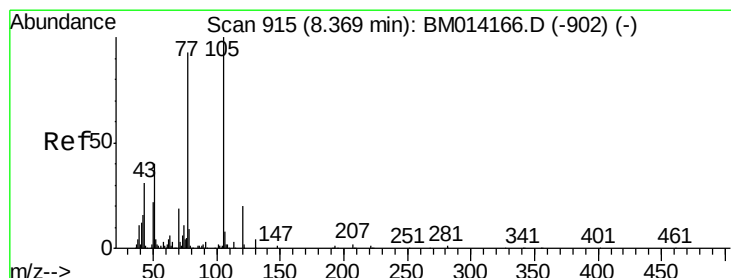
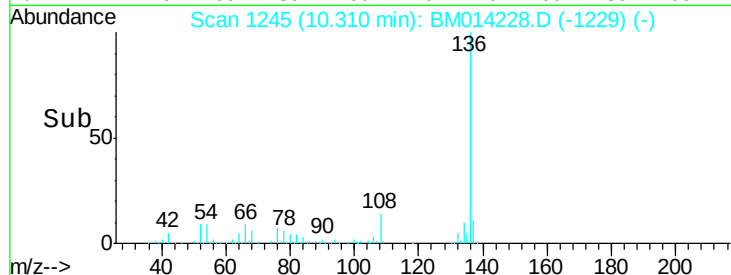
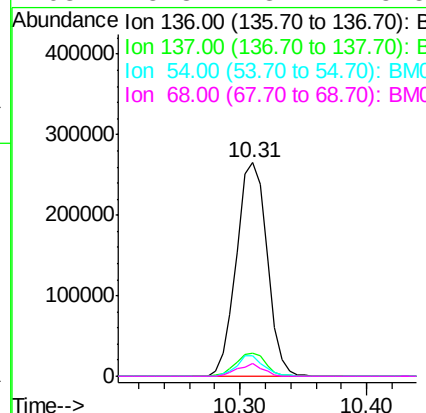
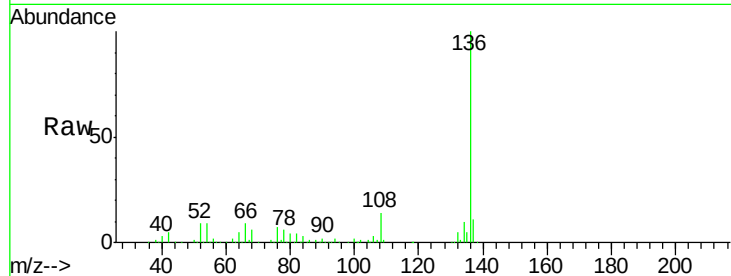
ClientSampleId :

PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	444217		
137	11.0	8.7	13.1	
54	9.3	4.6	6.8#	
68	5.8	3.7	5.5#	

Manual Integrations
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2/14/2018 11:10:43 AM



#22

Acetophenone

Concen: 39.208 ng

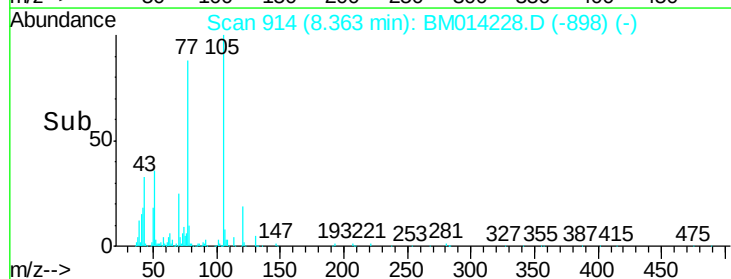
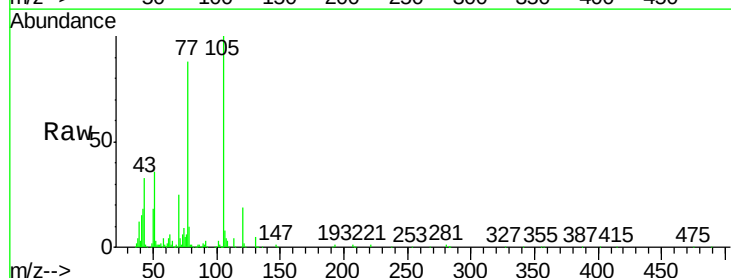
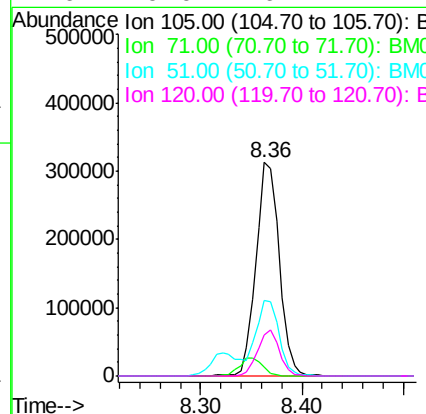
RT: 8.36 min Scan# 914

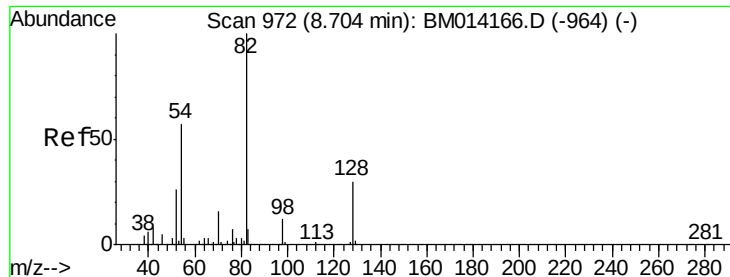
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	500796		
71	4.1	0.6	1.0#	
51	35.6	21.6	32.4#	
120	19.0	16.1	24.1	





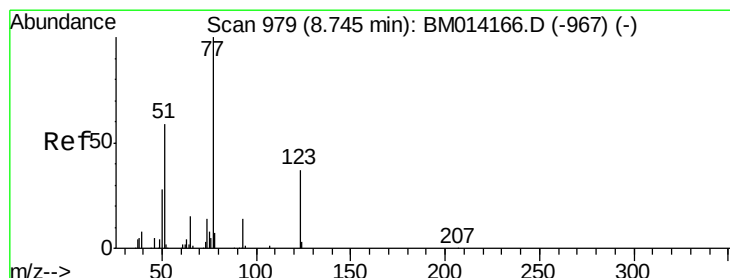
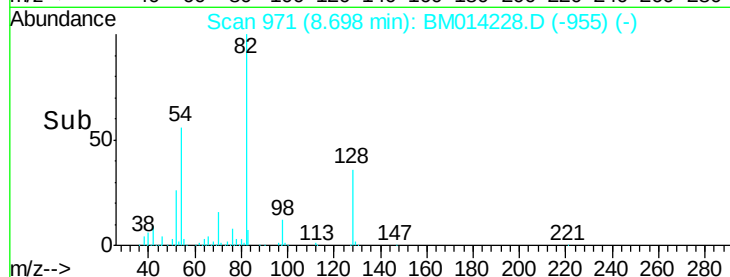
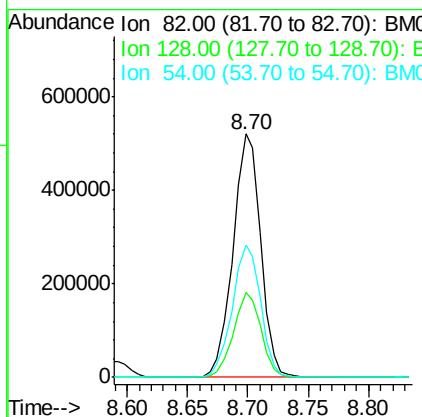
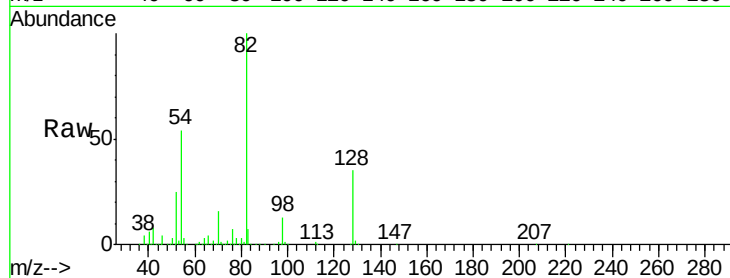
#23
 Nitrobenzene-d5
 Concen: 83.846 ng
 RT: 8.70 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Instrument :
 BNA_M
 ClientSampleId :
 PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.0	32.8	49.2	
54	54.2	40.6	60.8	

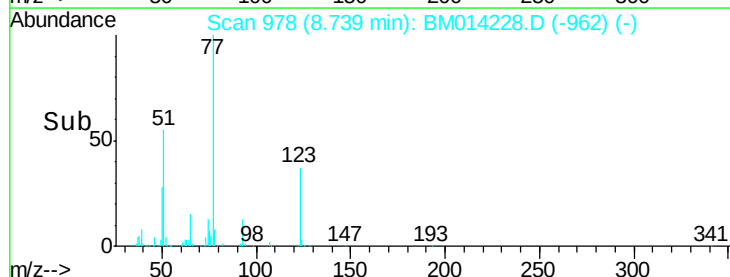
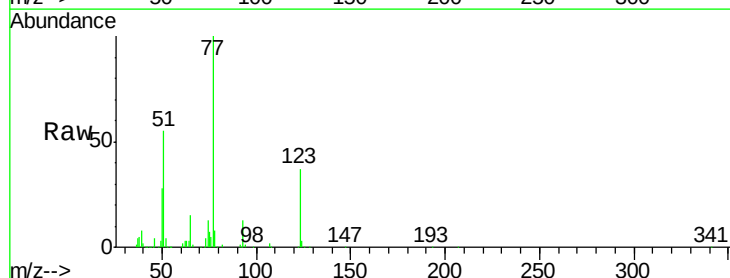
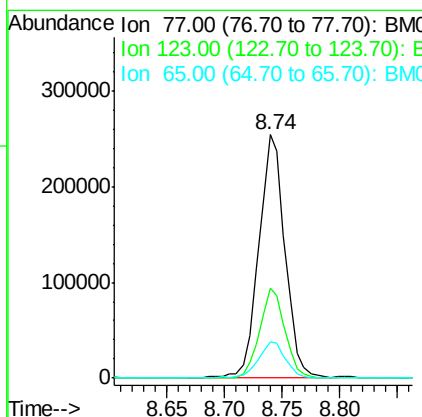
Manual Integrations
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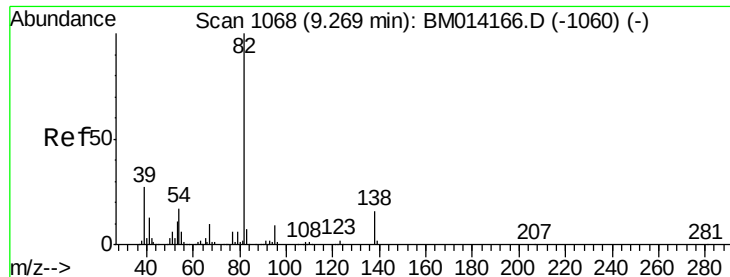
Sohil
 2/14/2018 11:10:43 AM



#24
 Nitrobenzene
 Concen: 39.539 ng
 RT: 8.74 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	36.9	32.6	49.0	
65	15.1	10.9	16.3	





#25

Isophorone

Concen: 41.322 ng

RT: 9.26 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

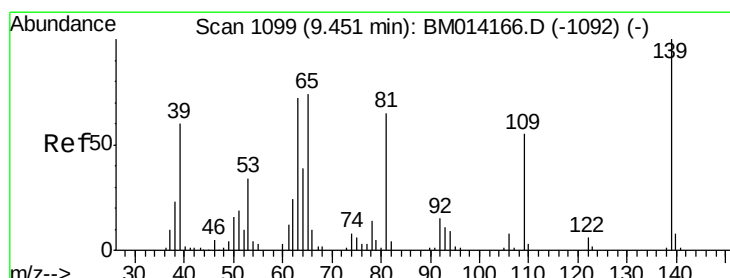
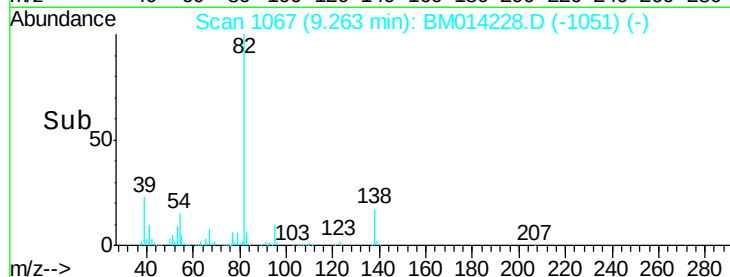
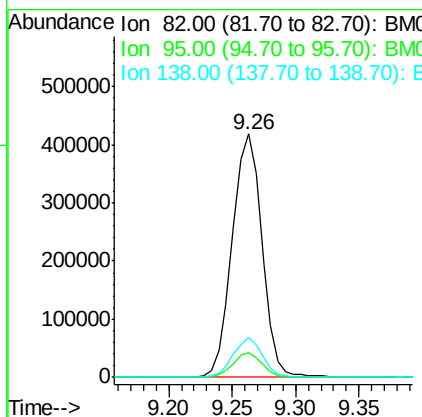
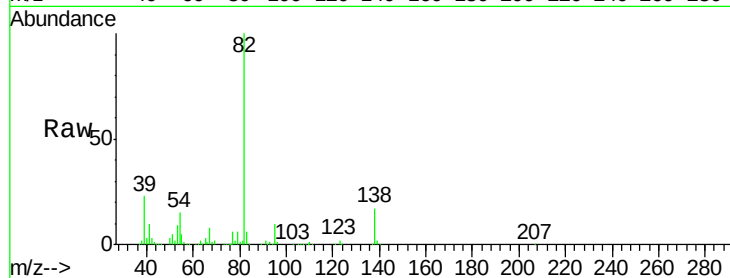
ClientSampled :

PB106453BS

Tot Ion:	82	Resp:	680788
Ion Ratio	Lower	Upper	
82	100		
95	10.2	5.8	8.6#
138	16.6	16.3	24.5

Manual Integrations
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Sohil
2/14/2018 11:10:43 AM



#26

2-Nitrophenol

Concen: 42.473 ng

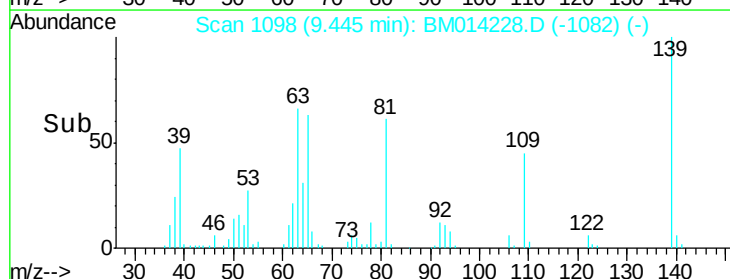
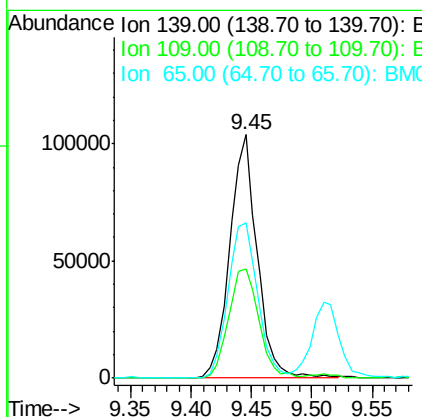
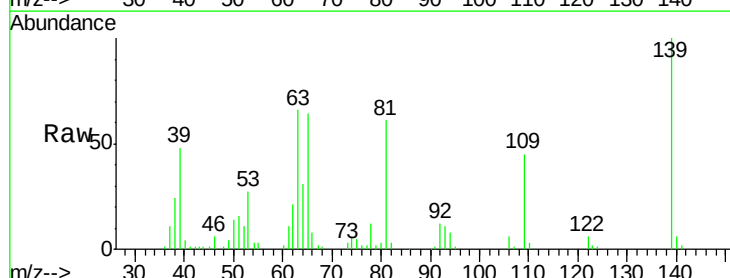
RT: 9.45 min Scan# 1098

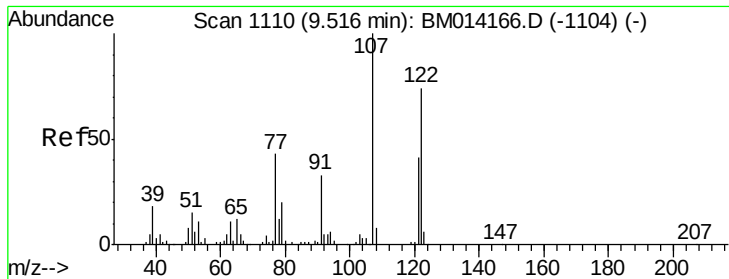
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	139	Resp:	164057
Ion Ratio	Lower	Upper	
139	100		
109	44.6	20.1	30.1#
65	63.8	31.5	47.3#





#27

2,4-Dimethylphenol

Concen: 50.402 ng

RT: 9.51 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

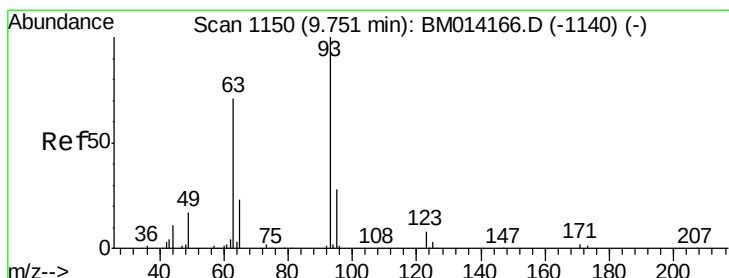
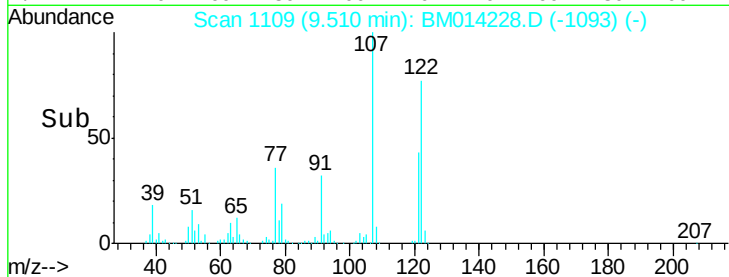
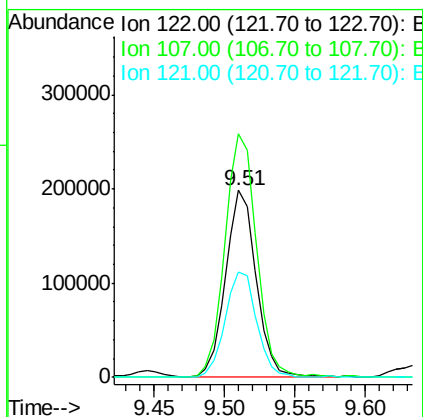
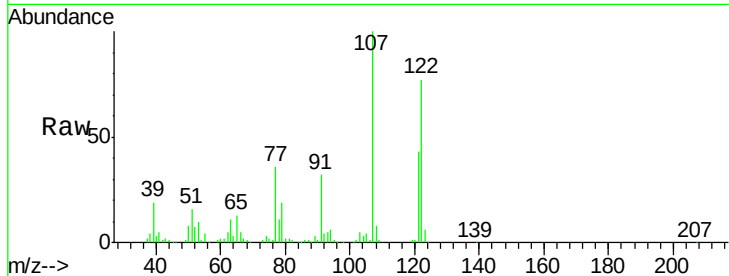
ClientSampleId :

PB106453BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		296734		
107	130.3	84.7	127.1#		
121	56.3	46.6	69.8		

Manual Integrations
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Sohil
2/14/2018 11:10:43 AM



#28

bis(2-Chloroethoxy)methane

Concen: 45.550 ng

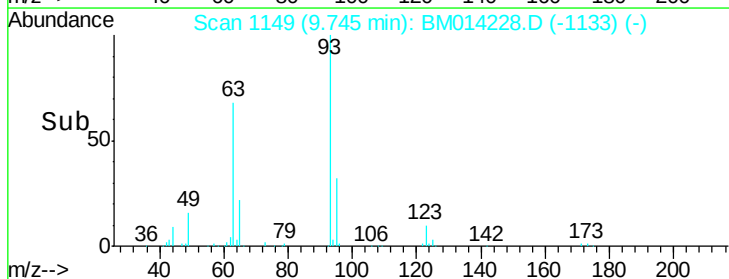
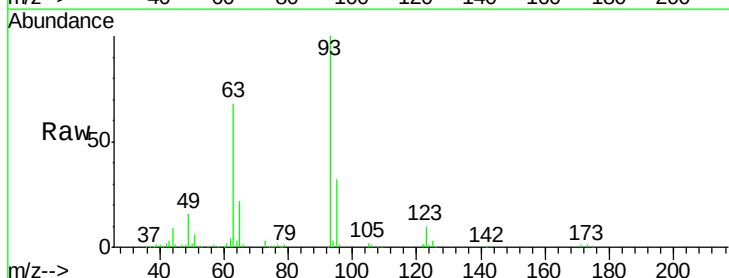
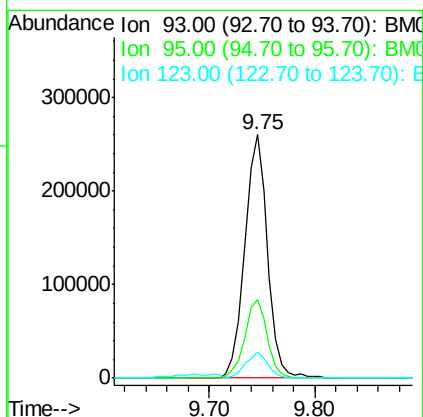
RT: 9.75 min Scan# 1149

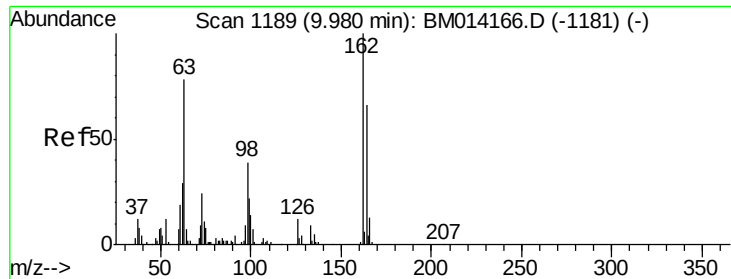
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		384856		
95	32.1	25.5	38.3		
123	10.5	8.6	13.0		





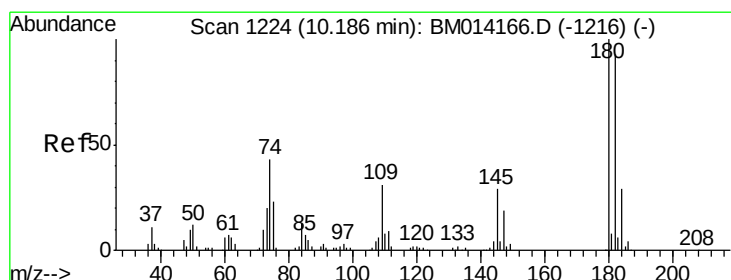
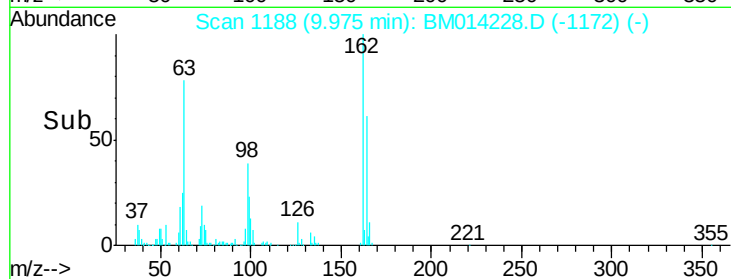
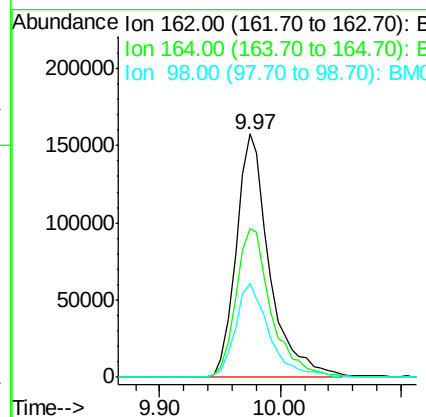
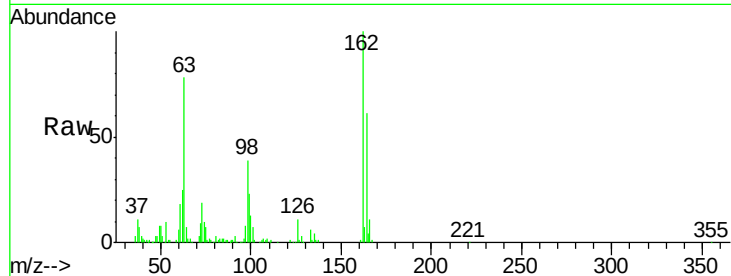
#29
2,4-Dichlorophenol
Concen: 45.970 ng
RT: 9.97 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	302405		
164	61.2	42.8	82.8	
98	38.8	14.5	54.5	

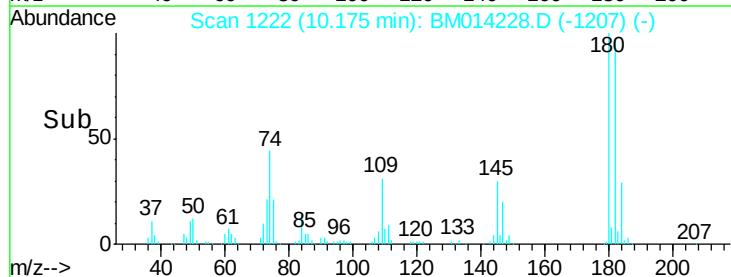
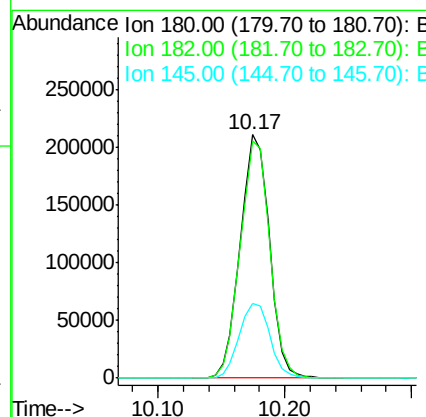
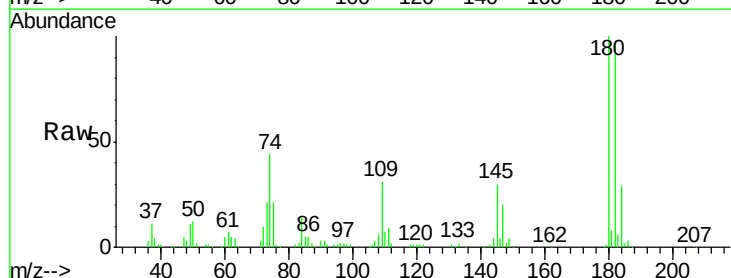
Manual Integrations
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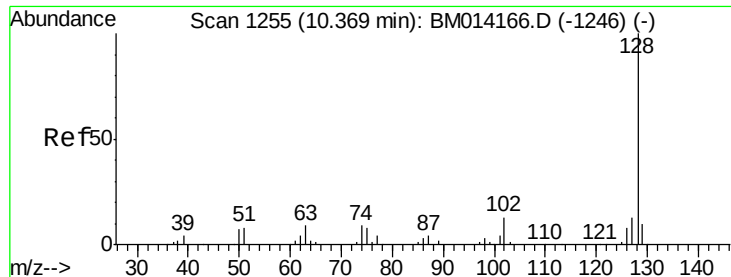
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 38.849 ng
RT: 10.17 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	336908		
182	97.4	77.6	116.4	
145	30.5	23.4	35.2	





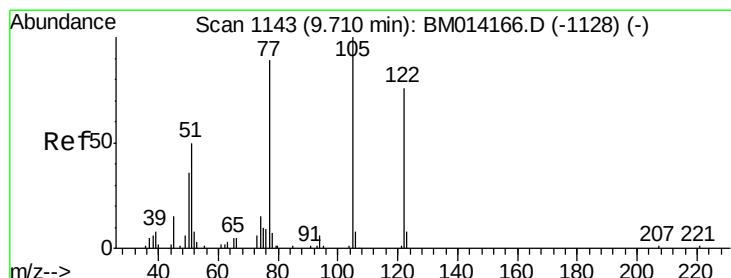
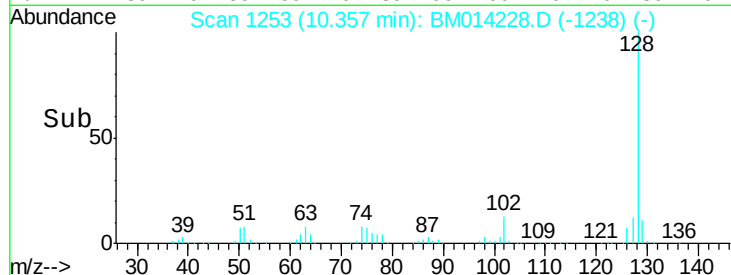
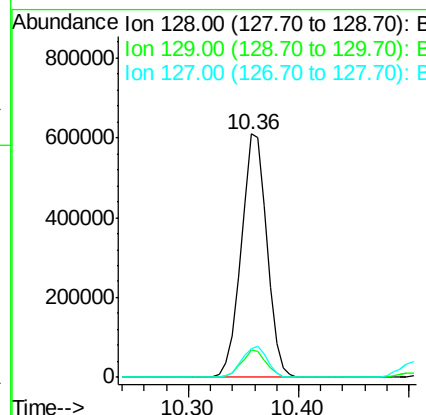
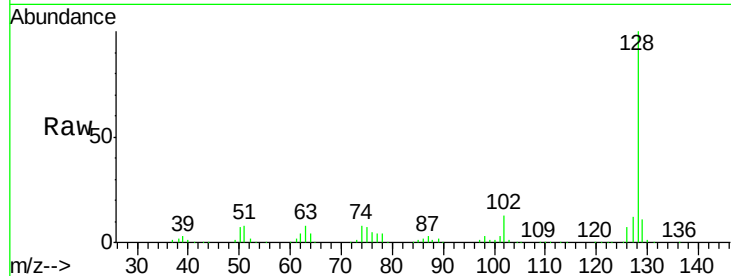
#31
Naphthalene
Concen: 41.044 ng
RT: 10.36 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.0	10.4	15.6

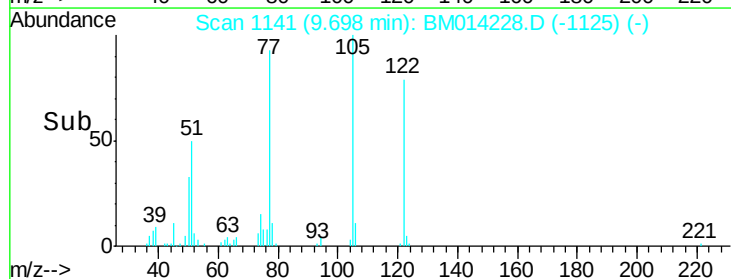
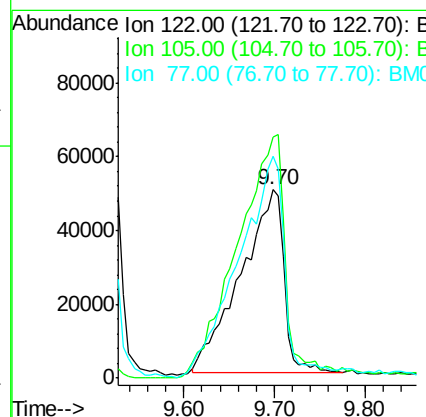
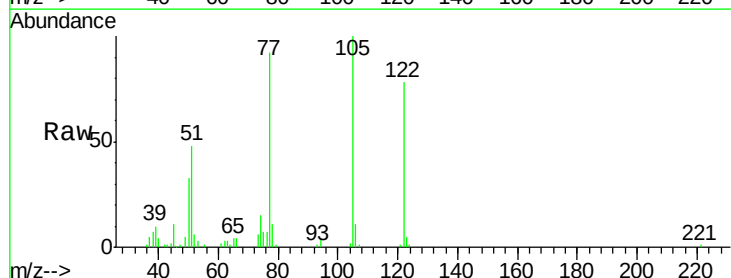
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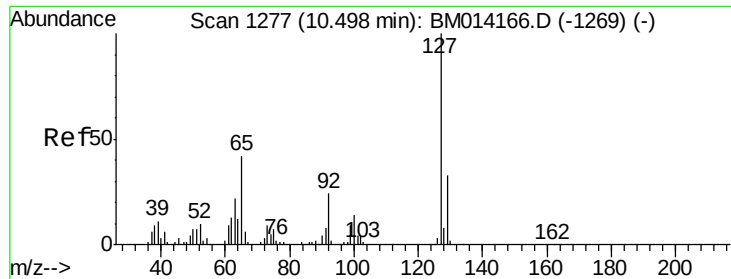
Sohil
2/14/2018 11:10:43 AM



#32
Benzoic acid
Concen: 34.809 ng
RT: 9.70 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
105	127.9	99.9	139.9
77	118.1	73.7	113.7#





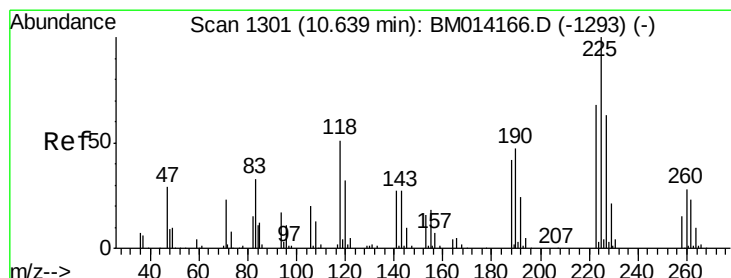
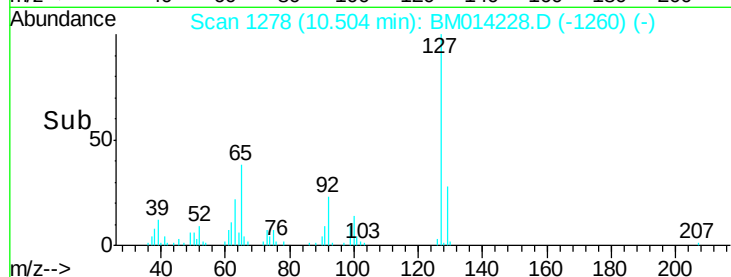
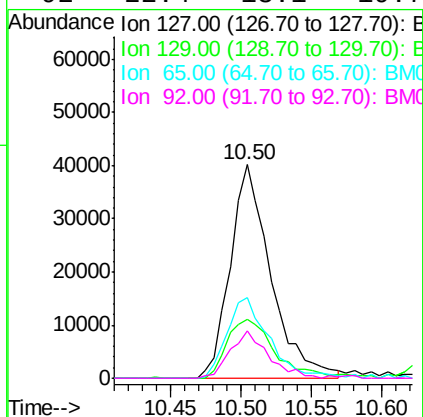
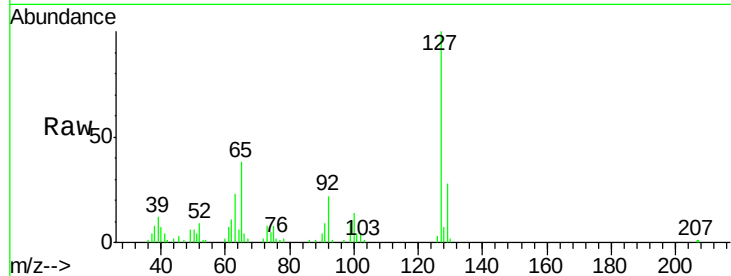
#33
4-Chloroaniline
Concen: 7.991 ng
RT: 10.50 min Scan# 1278
Delta R.T. 0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	27.7	25.3	37.9		
65	37.6	17.6	26.4		
92	22.4	13.1	19.7		

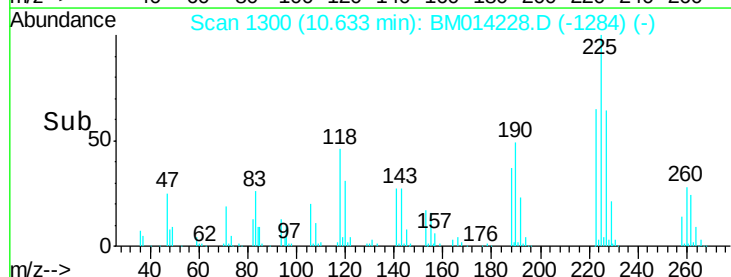
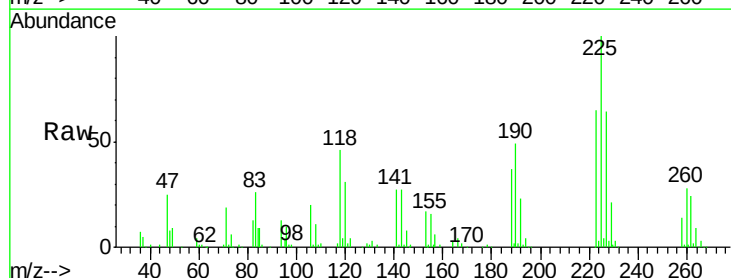
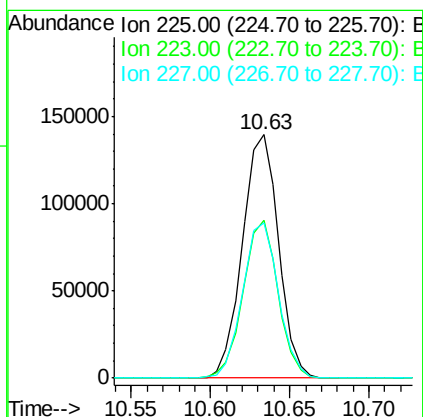
Manual Integrations
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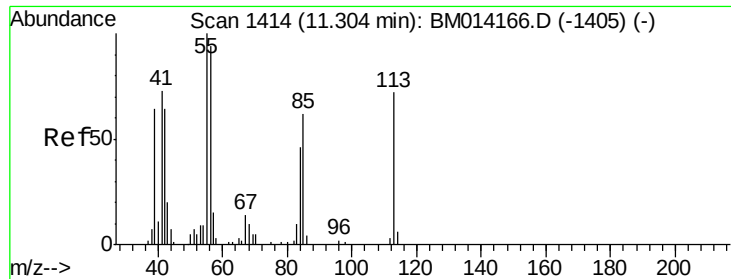
Sohil
2/14/2018 11:10:43 AM



#34
Hexachlorobutadiene
Concen: 37.205 ng
RT: 10.63 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.9	47.9	71.9		
227	63.7	50.1	75.1		





#35

Caprolactam

Concen: 37.561 ng/mL

RT: 11.30 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

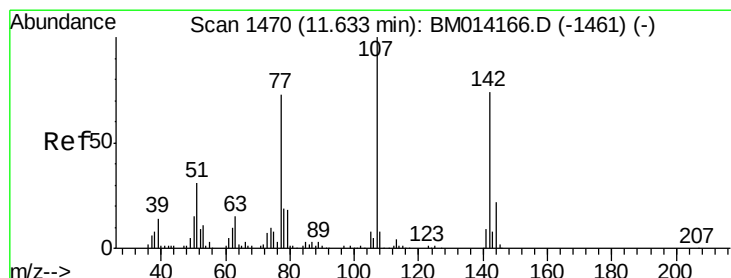
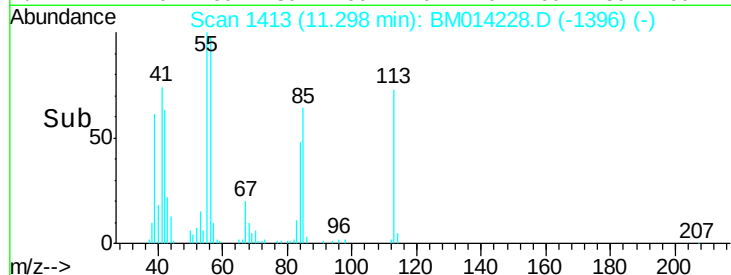
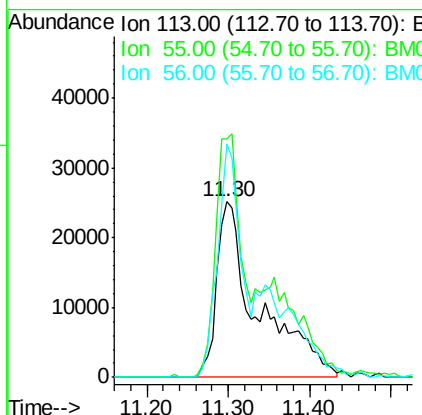
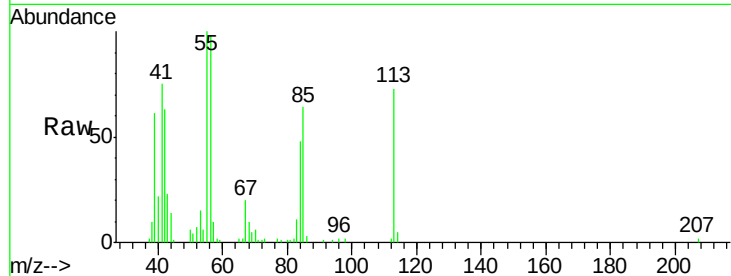
ClientSampleId :

PB106453BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	136.4	145.9	185.9#
56	133.4	101.0	141.0

Manual Integrations
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Sohil
2/14/2018 11:10:43 AM



#36

4-Chloro-3-methylphenol

Concen: 43.151 ng/mL

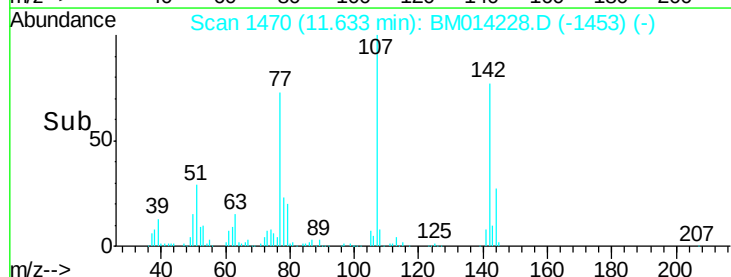
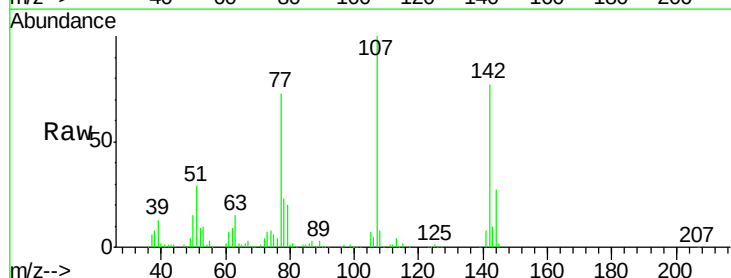
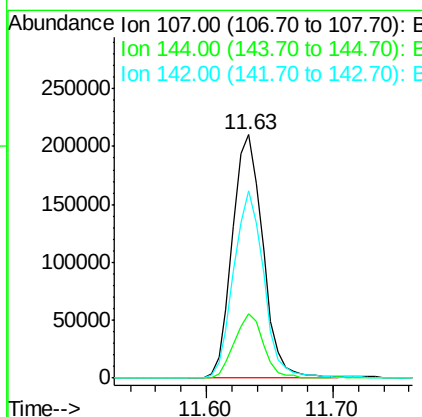
RT: 11.63 min Scan# 1470

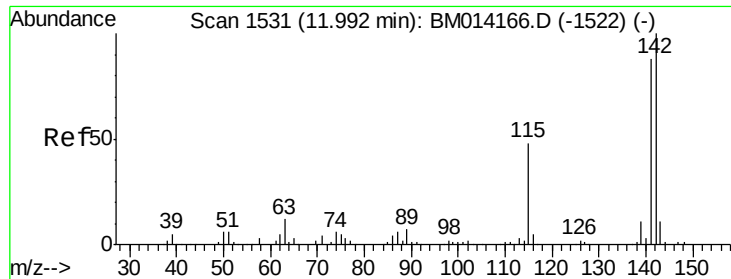
Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.6	23.3	34.9
142	77.1	72.6	109.0





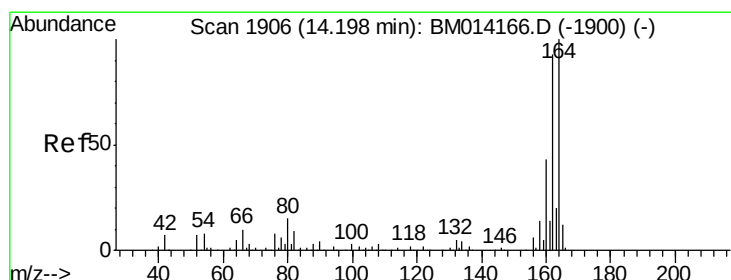
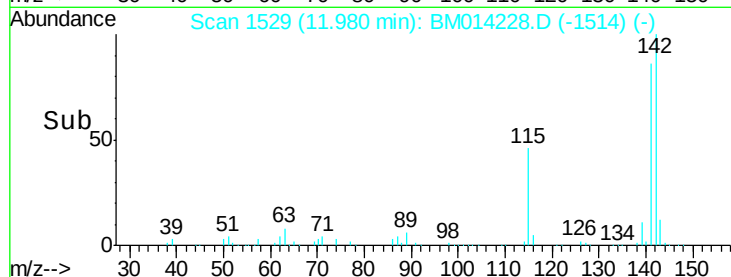
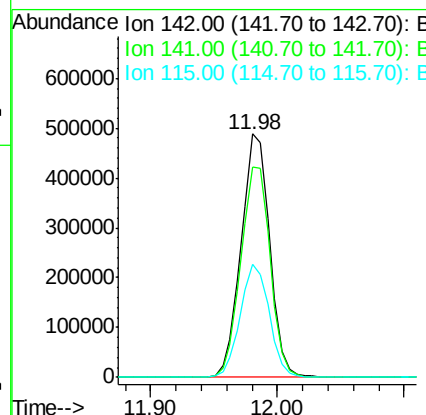
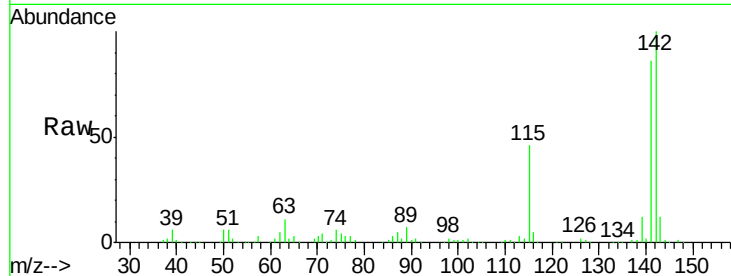
#37
2-Methylnaphthalene
Concen: 41.609 ng
RT: 11.98 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.4	71.9	107.9
115	46.2	25.4	38.0

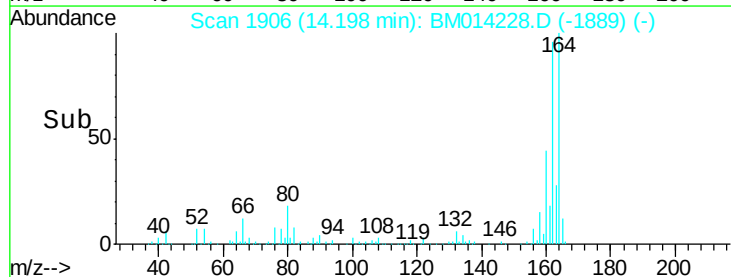
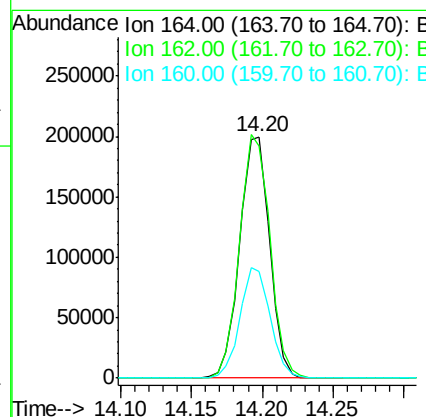
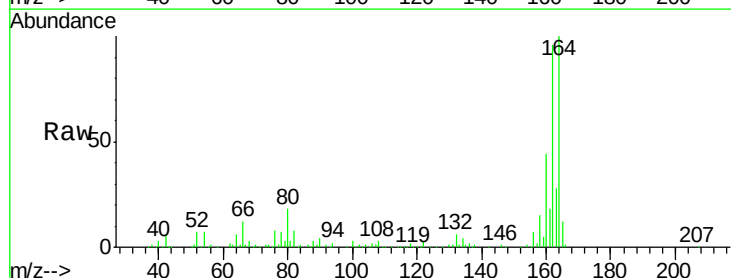
Manual Integrations
APPROVED

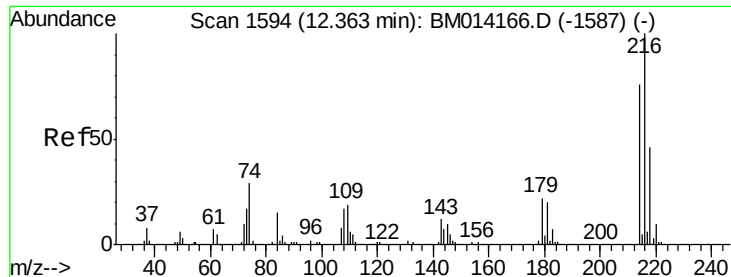
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.20 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.8	82.4	123.6
160	43.9	35.8	53.6





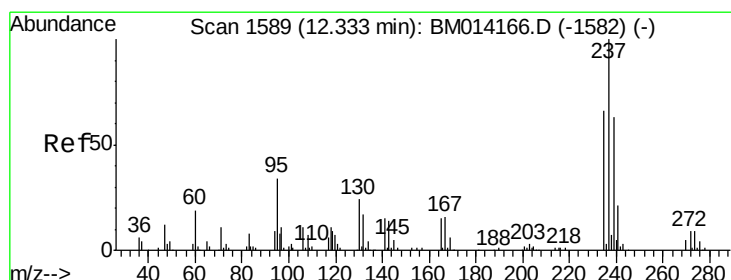
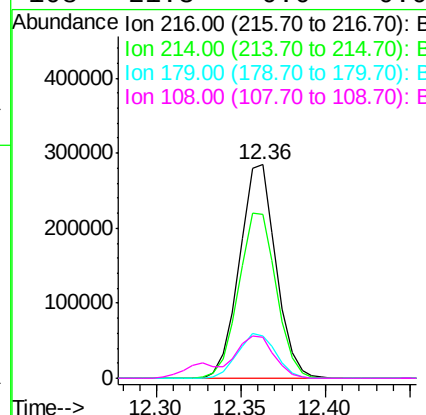
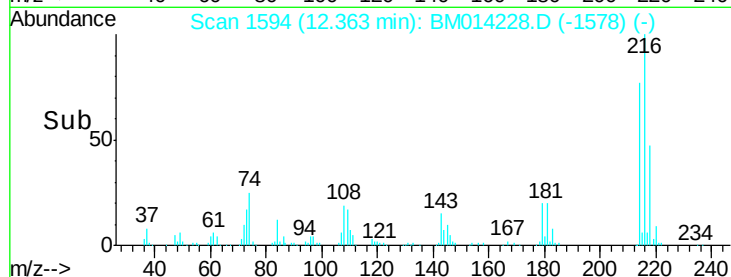
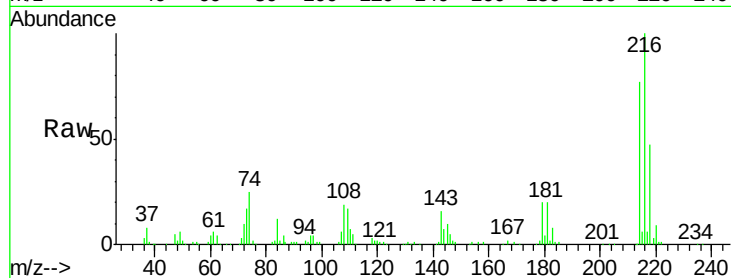
#39
1,2,4,5-Tetrachlorobenzene
Concen: 41.355 ng
RT: 12.36 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	80.0	0.0	0.0#
179	22.3	0.0	0.0#
108	21.3	0.0	0.0#

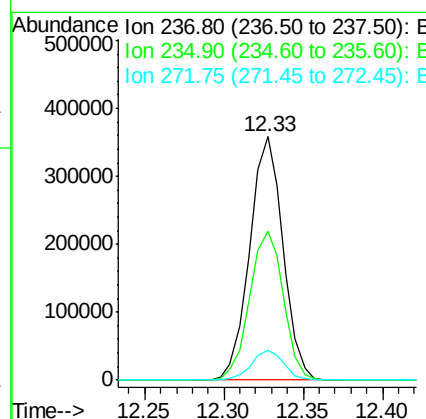
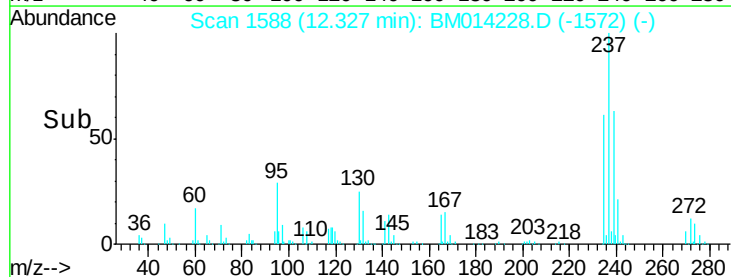
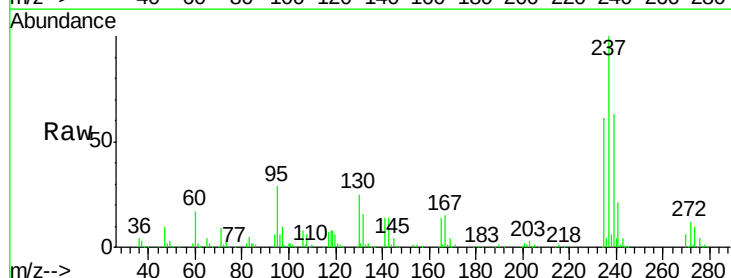
Manual Integrations
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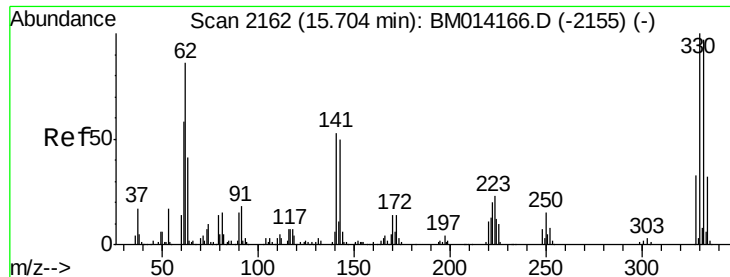
Sohil
2/14/2018 11:10:43 AM



#40
Hexachlorocyclopentadiene
Concen: 85.476 ng
RT: 12.33 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	61.2	42.0	82.0
272	12.1	0.0	33.4





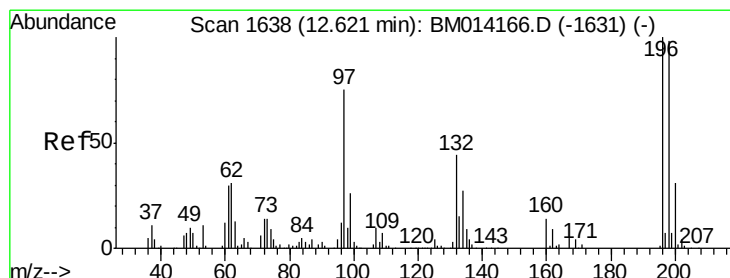
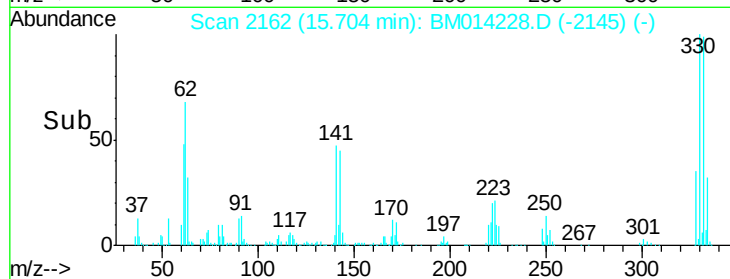
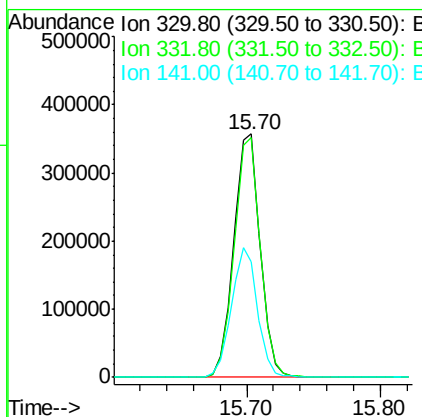
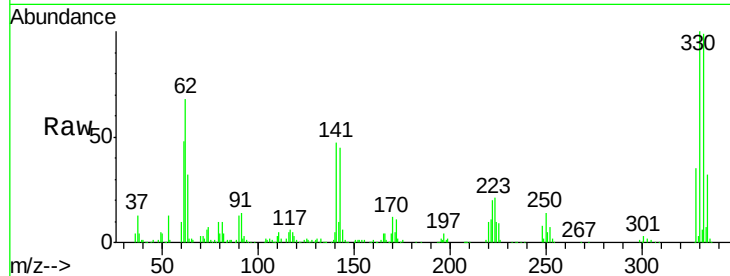
#41
 2,4,6-Tribromophenol
 Concen: 117.776 ng
 RT: 15.70 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Instrument :
 BNA_M
 ClientSampleId :
 PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	494007		
332	97.6	0.0	0.0	0.0
141	52.8	0.0	0.0	0.0

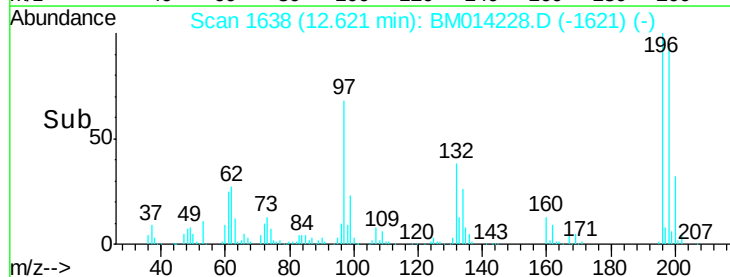
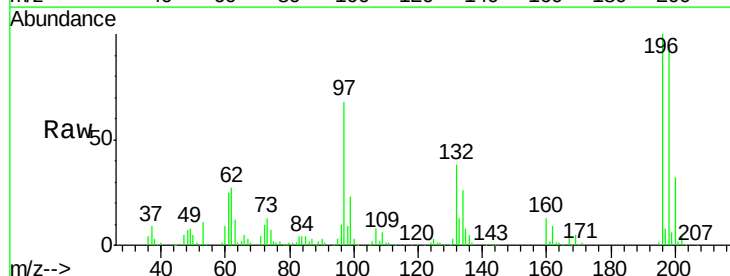
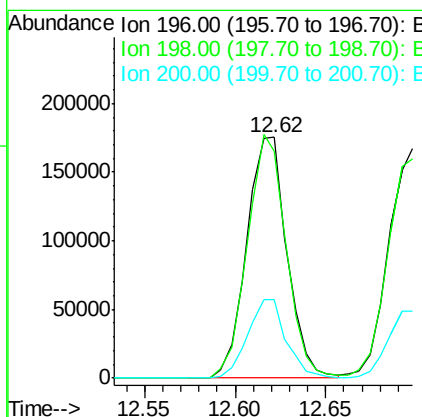
Manual Integrations
 APPROVED

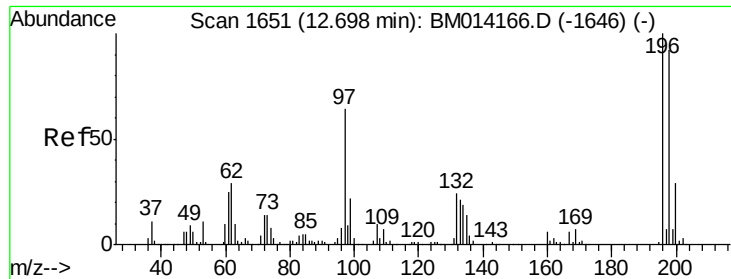
Sohil
 2/14/2018 11:10:43 AM



#42
 2,4,6-Trichlorophenol
 Concen: 44.606 ng
 RT: 12.62 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	271414		
198	94.4	76.3	114.5	
200	32.4	25.6	38.4	





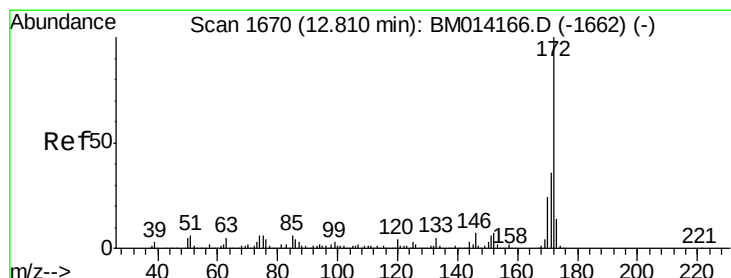
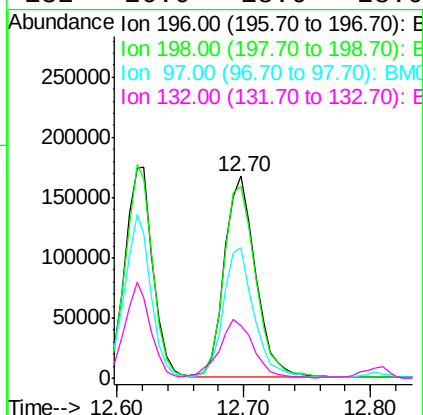
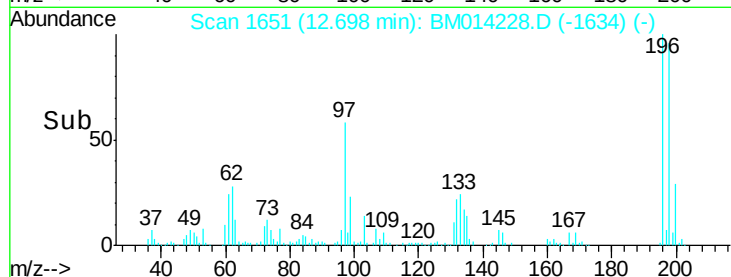
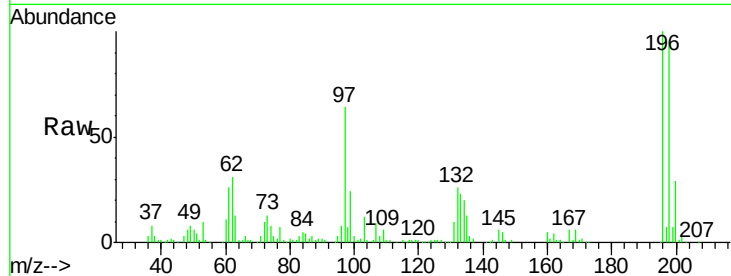
#43
2,4,5-Trichlorophenol
Concen: 41.930 ng
RT: 12.70 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	281682		
198	95.2	79.4	119.0	
97	64.5	26.8	40.2	
132	26.0	18.6	28.0	

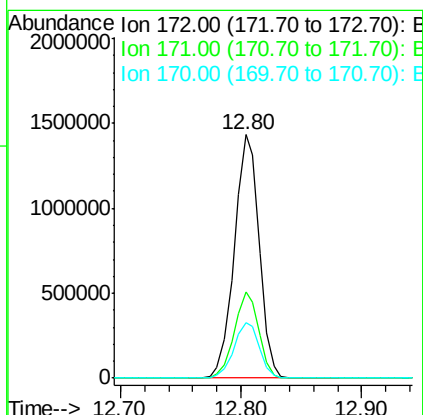
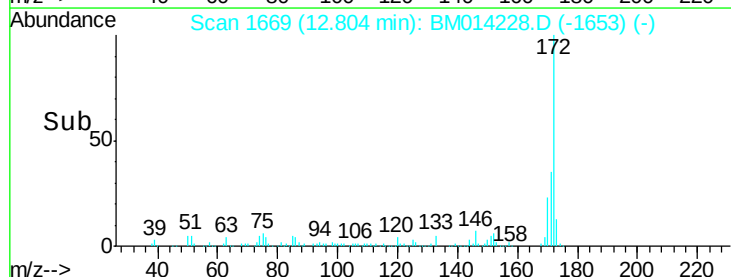
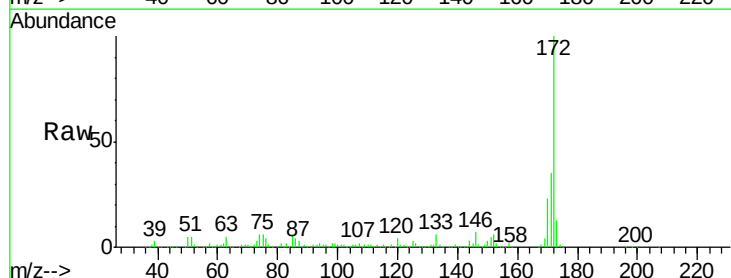
Manual Integrations
APPROVED

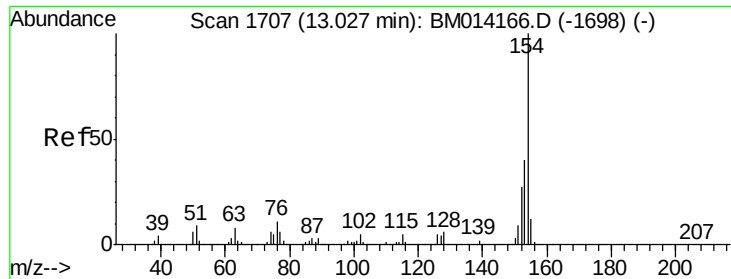
Sohil
2/14/2018 11:10:43 AM



#44
2-Fluorobiphenyl
Concen: 86.519 ng
RT: 12.80 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2048759		
171	35.4	28.5	42.7	
170	22.6	18.8	28.2	





#45

1,1'-Biphenyl

Concen: 41.221 ng

RT: 13.02 min Scan# 1706

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

ClientSampleId :

PB106453BS

Tot Ion:154 Resp: 1055491

Ion Ratio Lower Upper

154 100

153 39.1 20.7 60.7

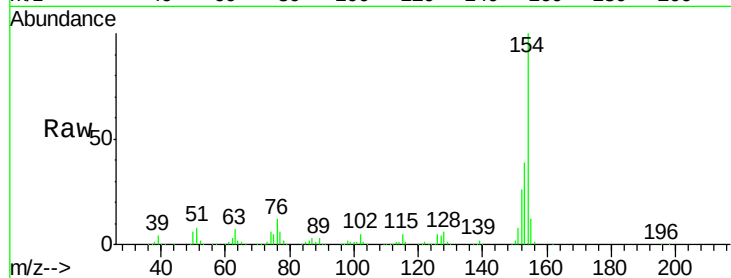
76 12.1 0.0 30.9

Manual Integrations

APPROVED

Sohil

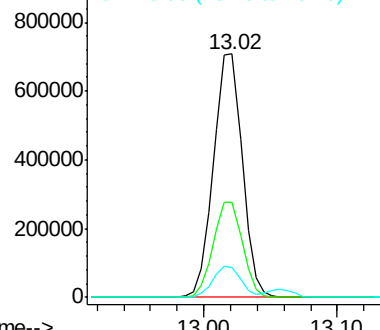
2/14/2018 11:10:43 AM



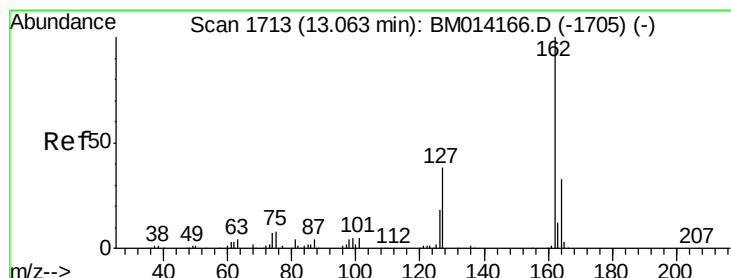
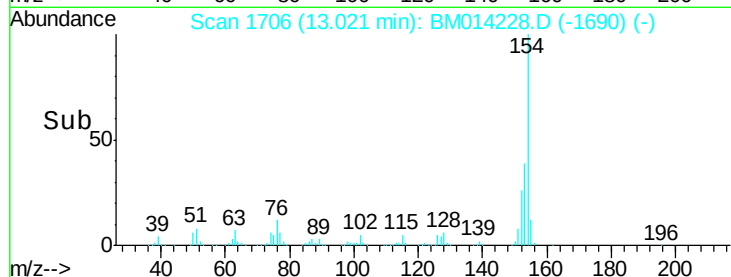
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



Time-->



#46

2-Chloronaphthalene

Concen: 41.758 ng

RT: 13.06 min Scan# 1712

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

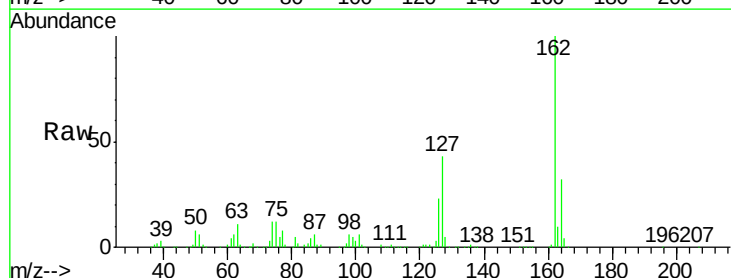
Tgt Ion:162 Resp: 811663

Ion Ratio Lower Upper

162 100

127 42.7 26.9 40.3#

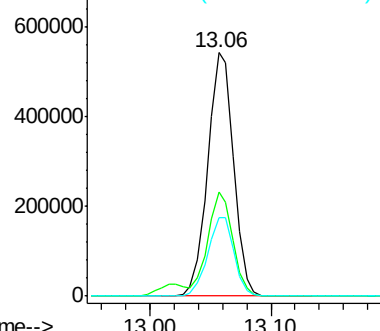
164 32.3 26.8 40.2



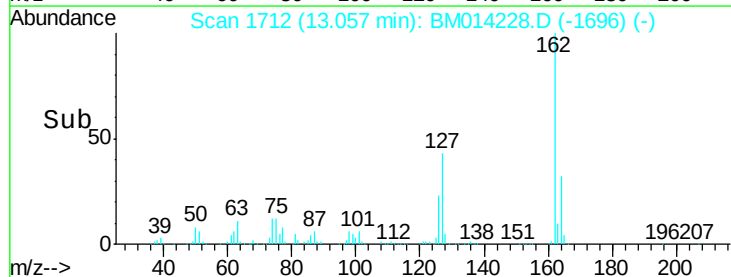
Abundance Ion 162.00 (161.70 to 162.70): E

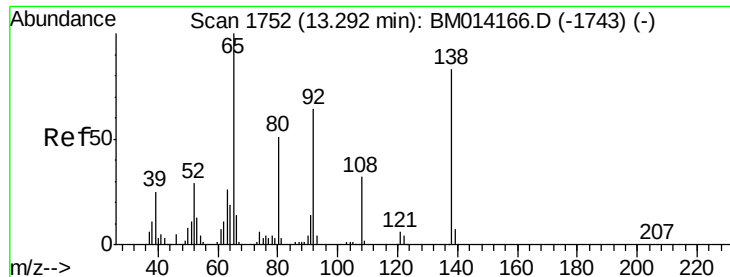
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->





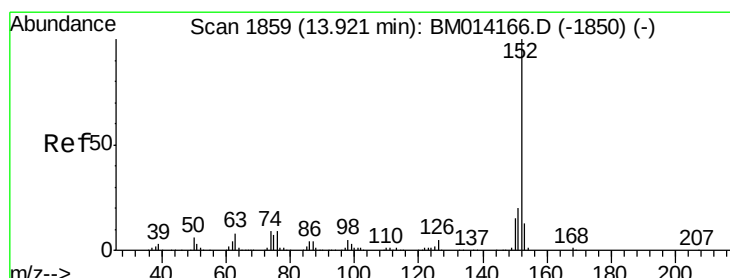
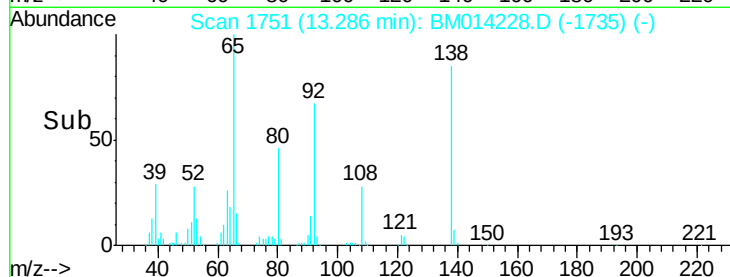
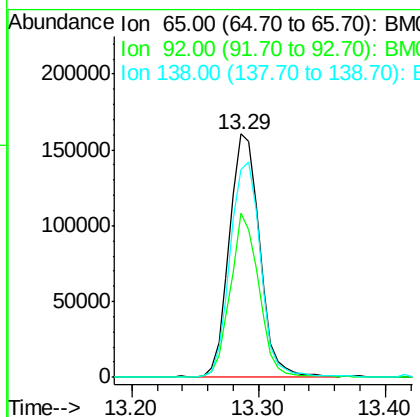
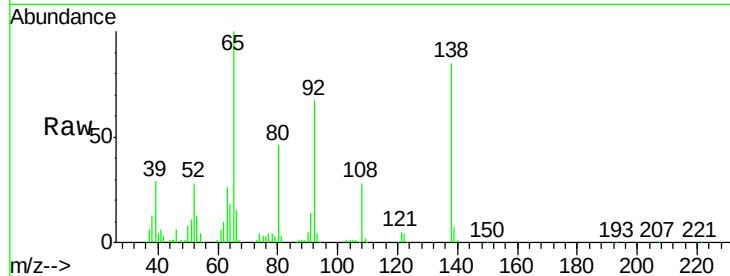
#47
2-Nitroaniline
Concen: 36.861 ng
RT: 13.29 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.3	59.1	88.7
138	85.4	93.9	140.9

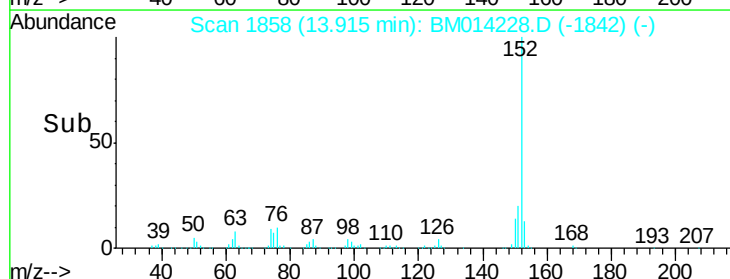
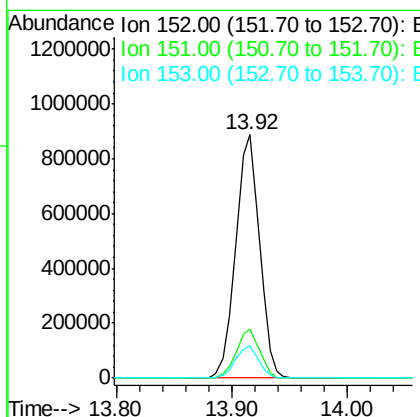
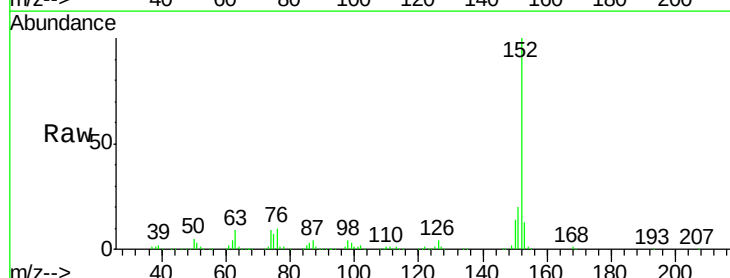
Manual Integrations
APPROVED

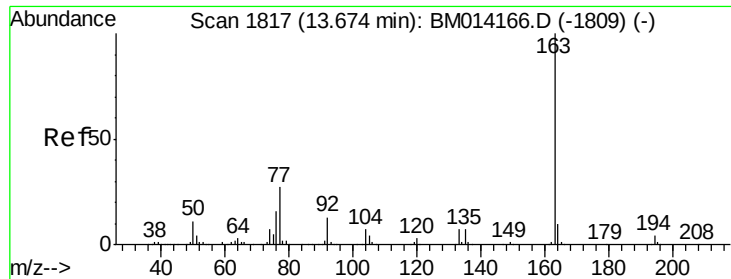
Sohil
2/14/2018 11:10:43 AM



#48
Acenaphthylene
Concen: 39.774 ng
RT: 13.92 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	16.0





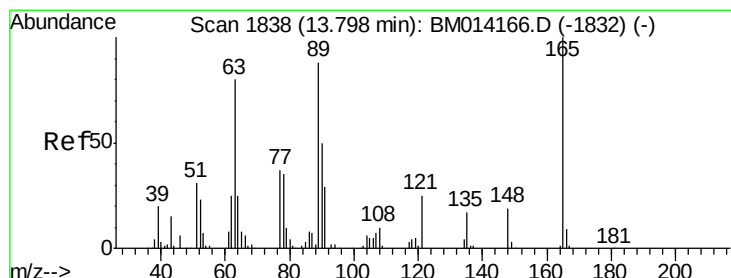
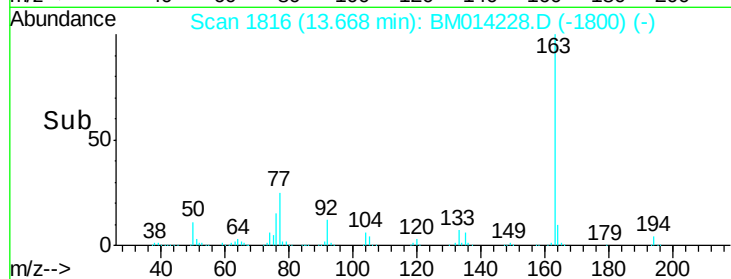
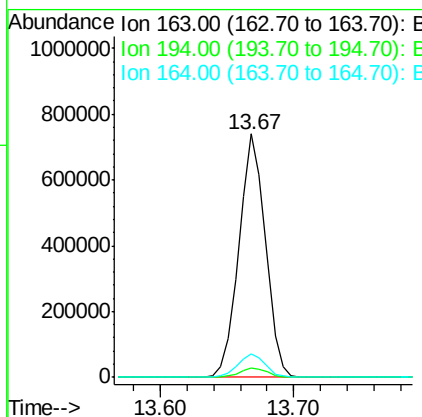
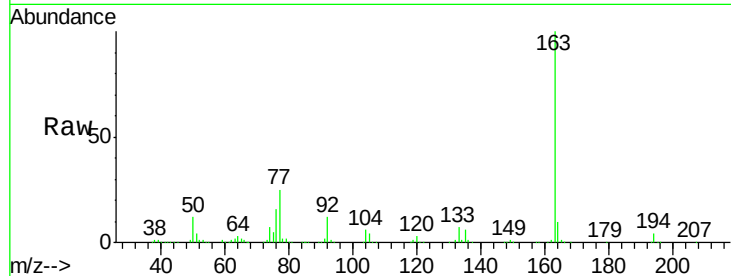
#49
Dimethylphthalate
Concen: 38.420 ng
RT: 13.67 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion:163 Resp: 1016693
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.8 8.2 12.2

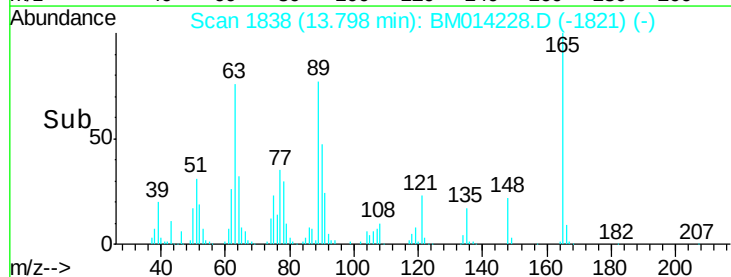
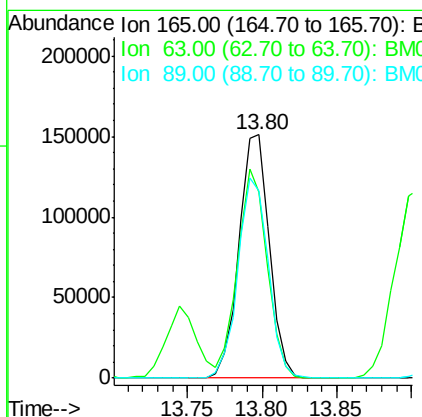
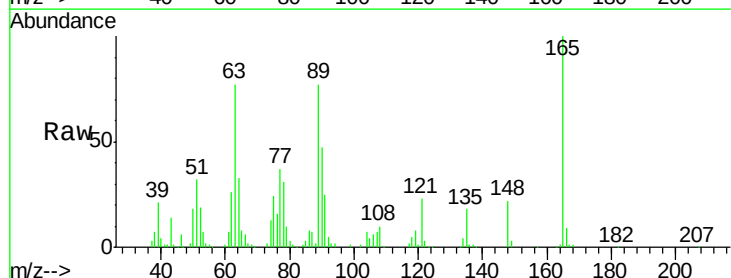
Manual Integrations
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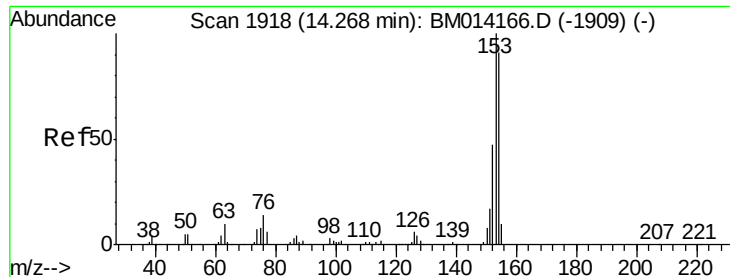
Sohil
2/14/2018 11:10:43 AM



#50
2,6-Dinitrotoluene
Concen: 39.198 ng
RT: 13.80 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion:165 Resp: 212846
Ion Ratio Lower Upper
165 100
63 76.5 44.1 66.1#
89 76.9 44.3 66.5#





#51

Acenaphthene

Concen: 39.194 ng

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

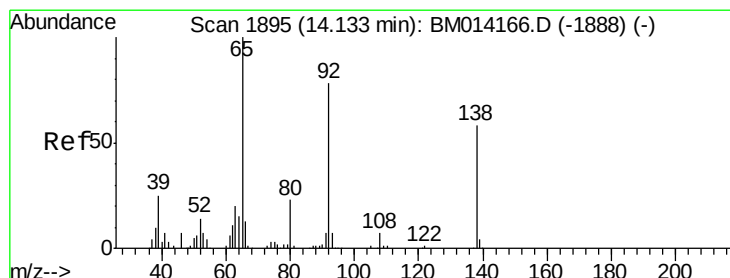
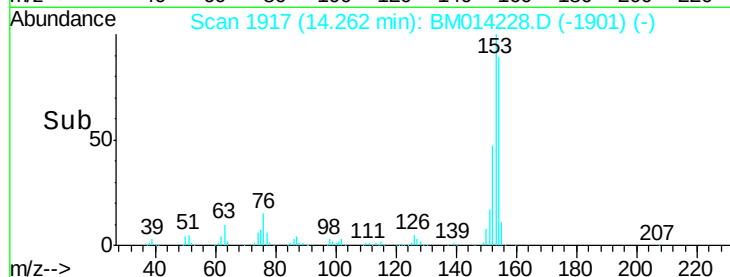
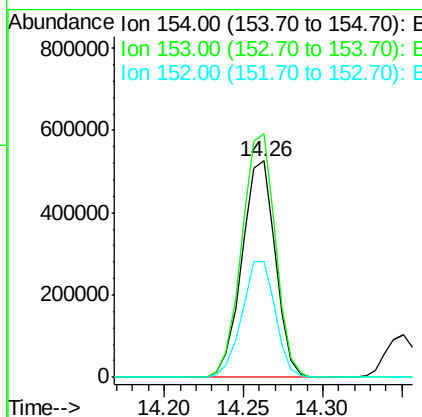
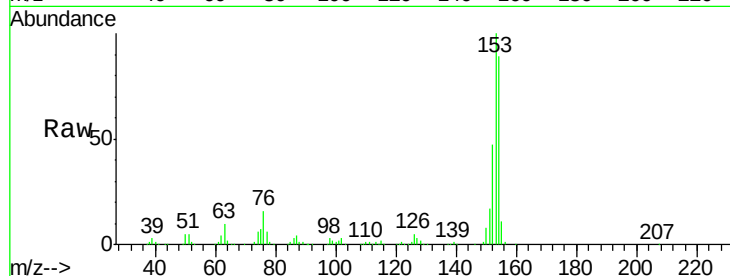
ClientSampleId :

PB106453BS

Tot Ion:	154	Resp:	770014
Ion Ratio	Lower	Upper	
154	100		
153	112.4	90.0	135.0
152	53.3	42.6	63.8

Manual Integrations
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Sohil
2/14/2018 11:10:43 AM



#52

3-Nitroaniline

Concen: 14.408 ng

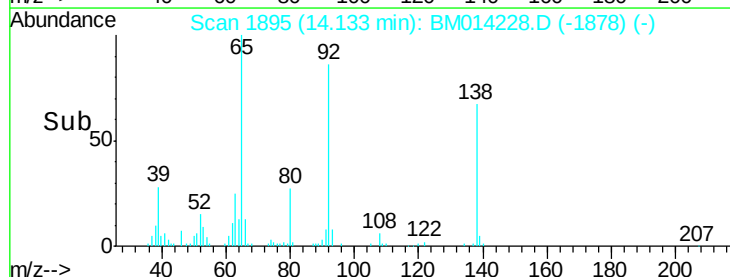
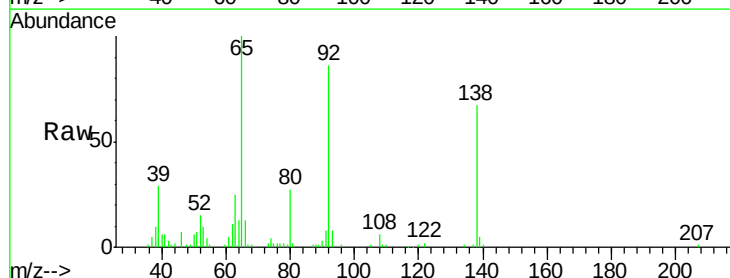
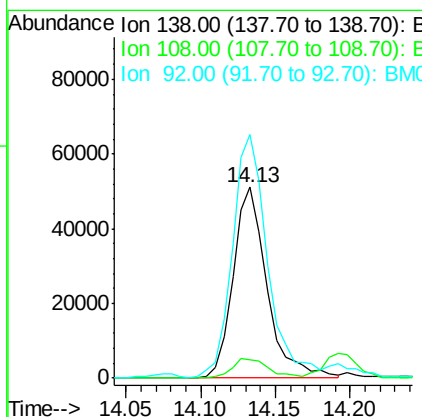
RT: 14.13 min Scan# 1895

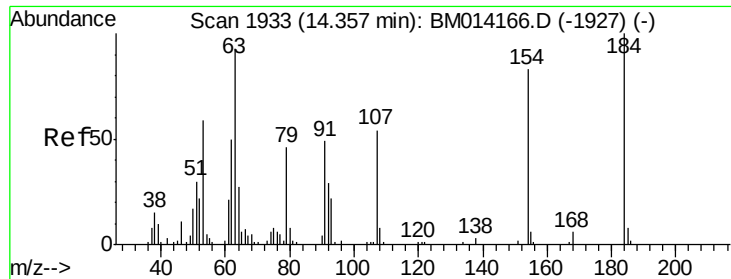
Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	138	Resp:	80930
Ion Ratio	Lower	Upper	
138	100		
108	9.6	7.3	10.9
92	127.8	76.6	114.8#





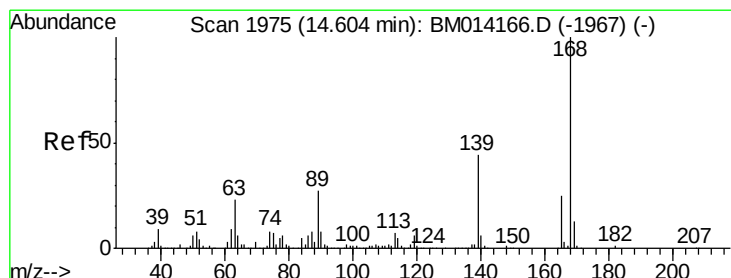
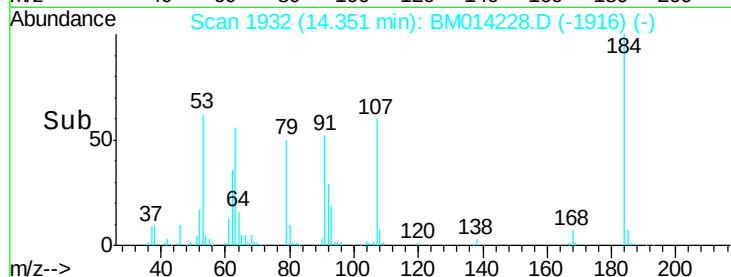
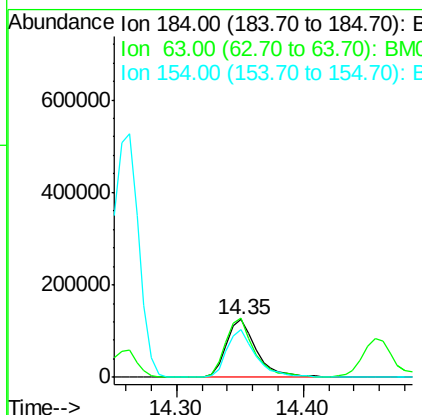
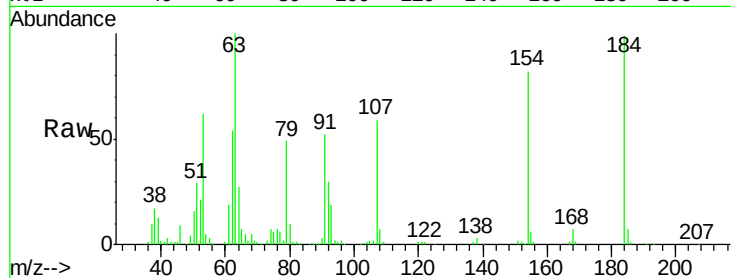
#53
2,4-Dinitrophenol
Concen: 68.369 ng
RT: 14.35 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	101.3	69.2	103.8	
154	82.6	53.3	79.9	

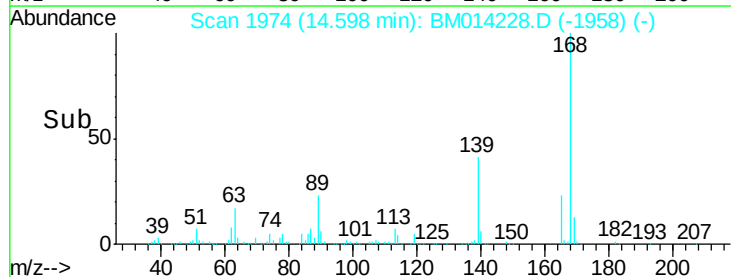
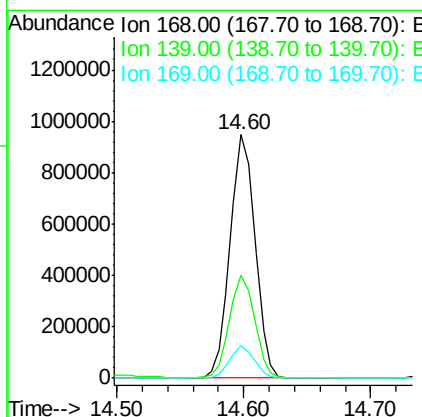
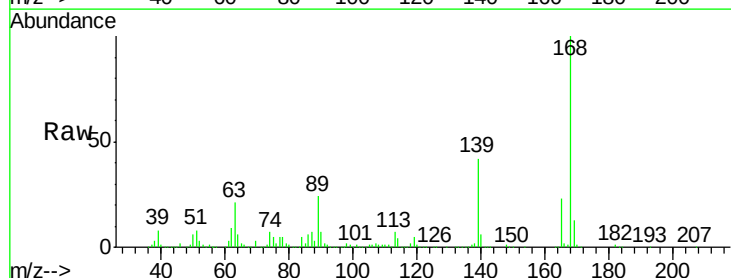
Manual Integrations
APPROVED

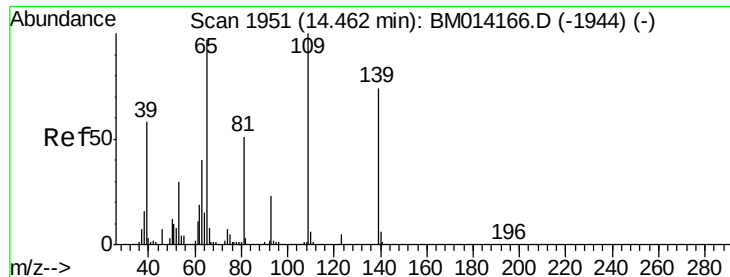
Sohil
2/14/2018 11:10:43 AM



#54
Dibenzofuran
Concen: 42.202 ng
RT: 14.60 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	42.2	27.3	40.9	
169	13.1	10.6	16.0	





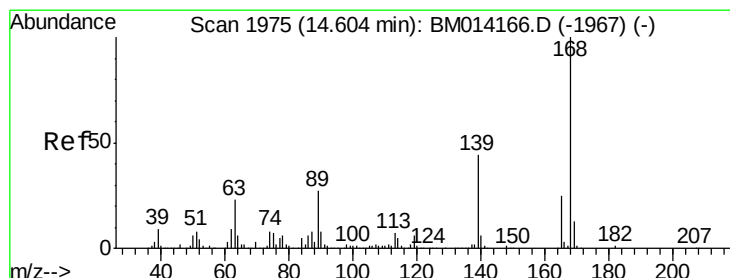
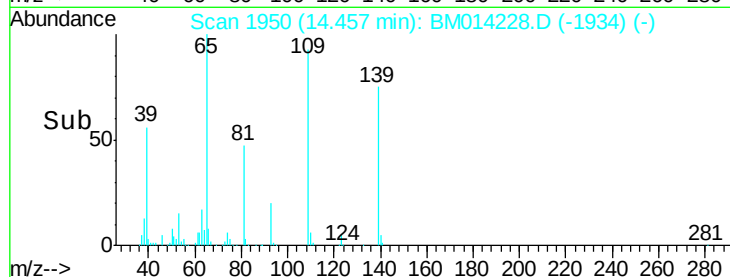
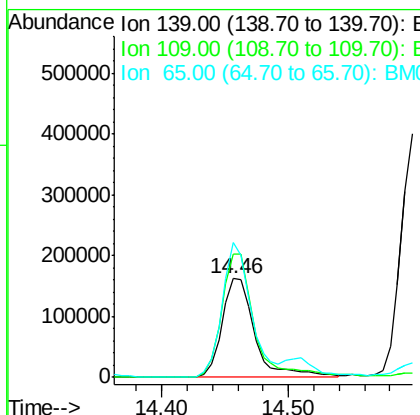
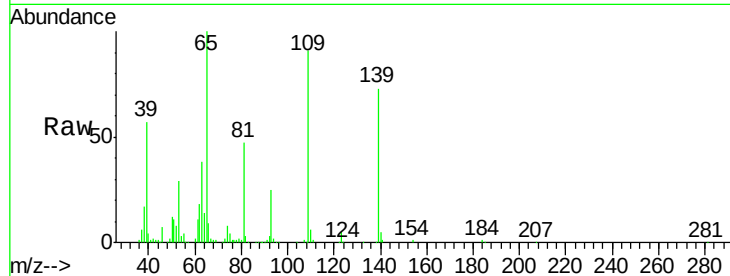
#55
4-Nitrophenol
Concen: 66.918 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
139	100		
109	124.7	130.0	170.0#
65	136.4	130.0	170.0

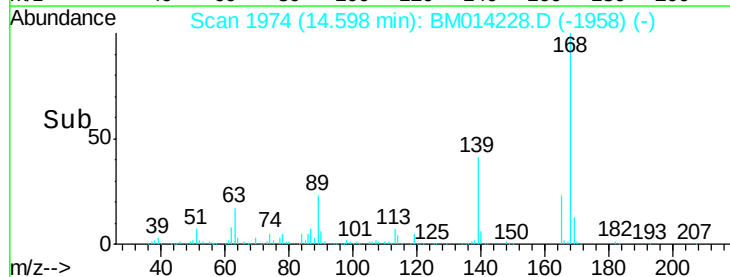
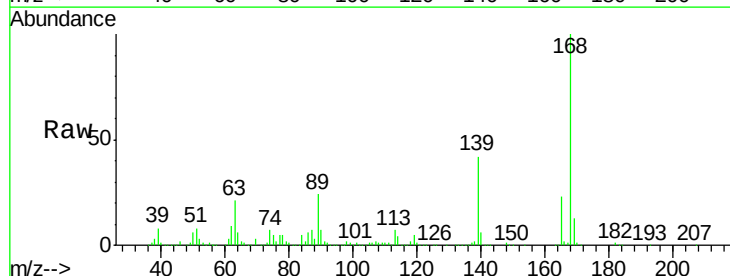
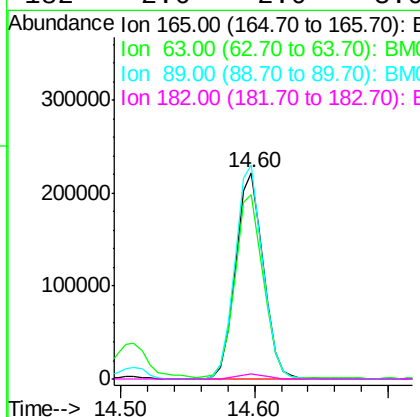
Manual Integrations
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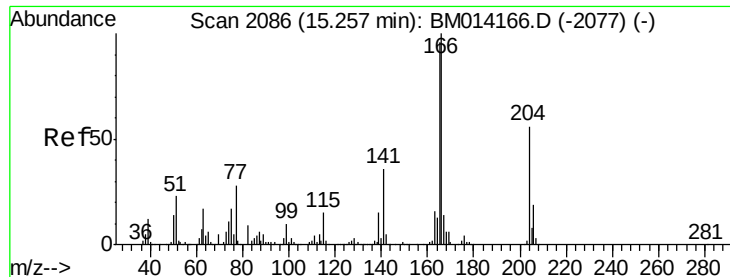
Sohil
2/14/2018 11:10:43 AM



#56
2,4-Dinitrotoluene
Concen: 38.132 ng
RT: 14.60 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	89.4	52.4	78.6#
89	103.6	72.4	108.6
182	2.6	2.0	3.0





#57

Fluorene

Concen: 40.104 ng

RT: 15.25 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

ClientSampled :

PB106453BS

Tot Ion:166 Resp: 1083114

Ion Ratio Lower Upper

166 100

165 98.4 79.0 118.4

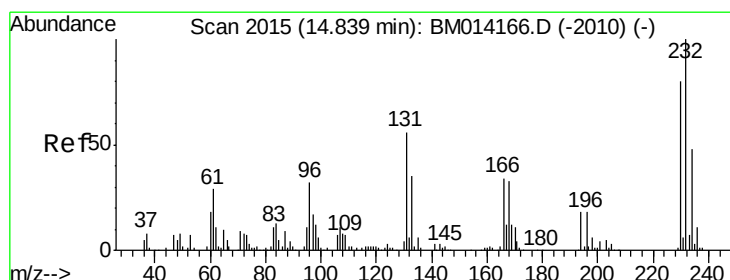
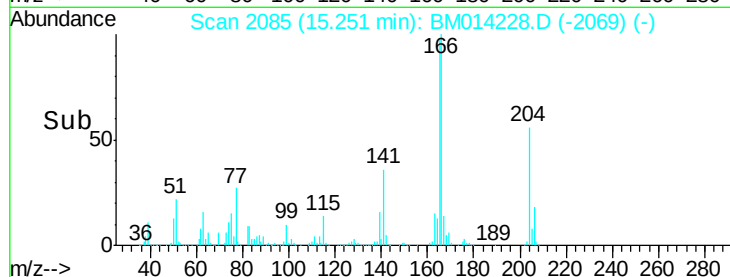
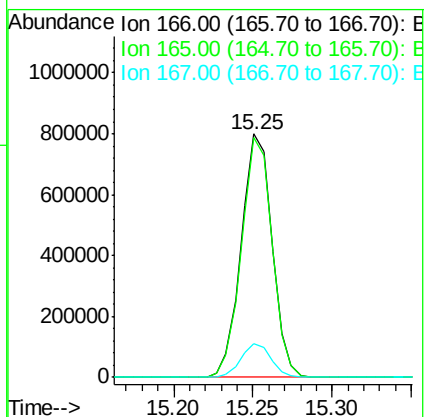
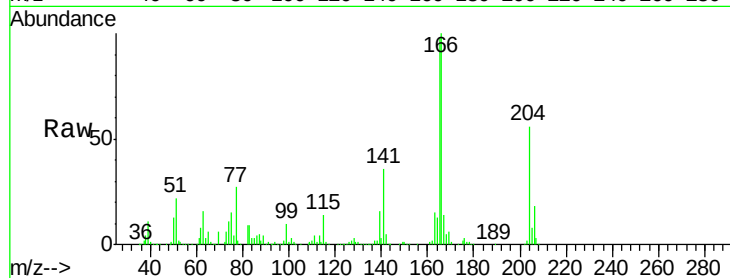
167 13.7 10.3 15.5

Manual Integrations

APPROVED

Sohil

2/14/2018 11:10:43 AM



#58

2,3,4,6-Tetrachlorophenol

Concen: 40.117 ng

RT: 14.84 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:232 Resp: 265509

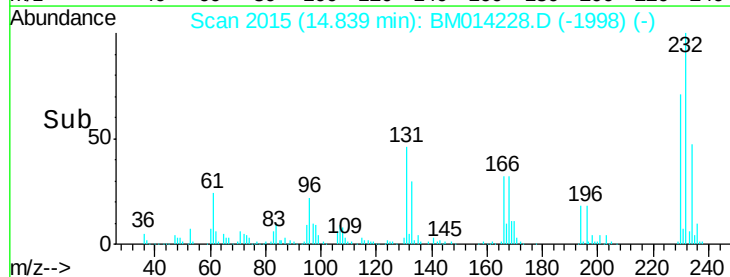
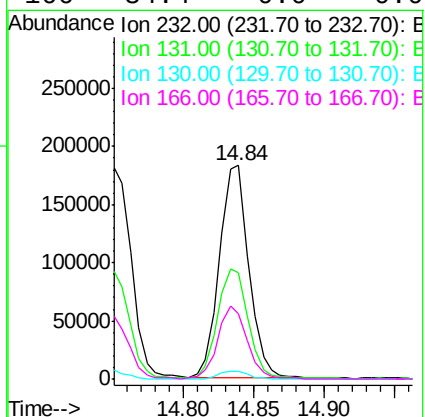
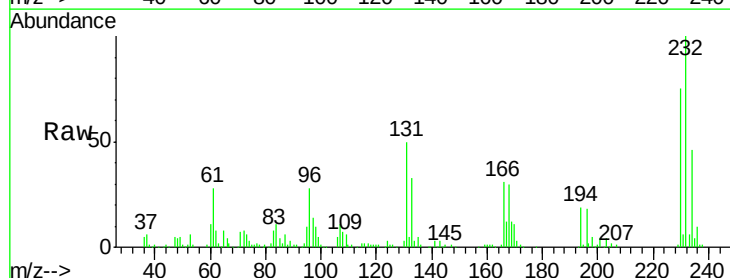
Ion Ratio Lower Upper

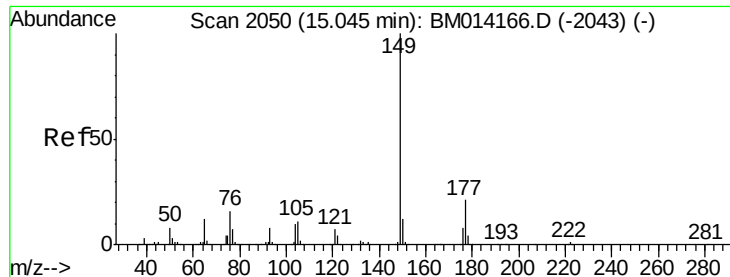
232 100

131 52.4 0.0 0.0#

130 3.6 0.0 0.0#

166 34.4 0.0 0.0#





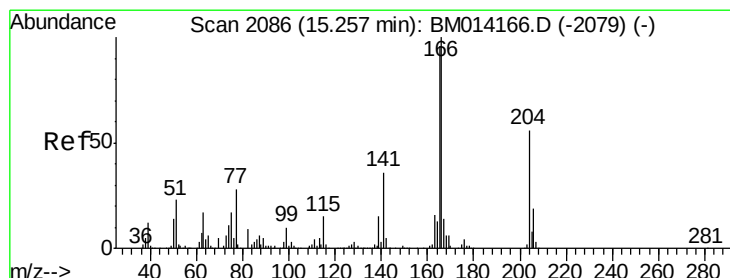
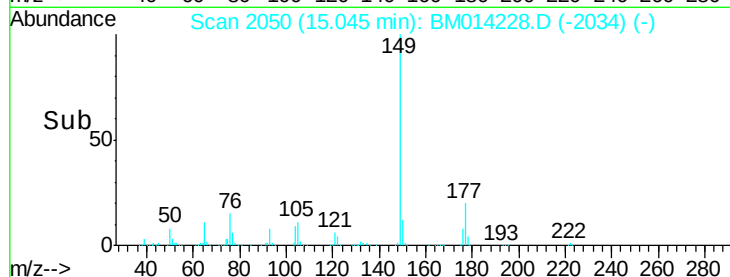
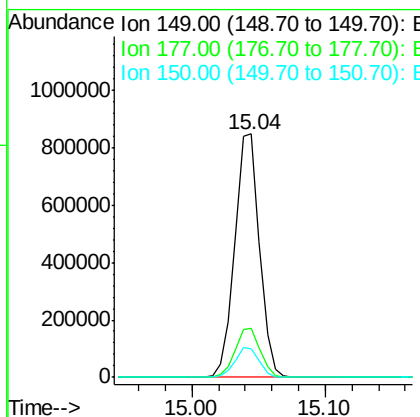
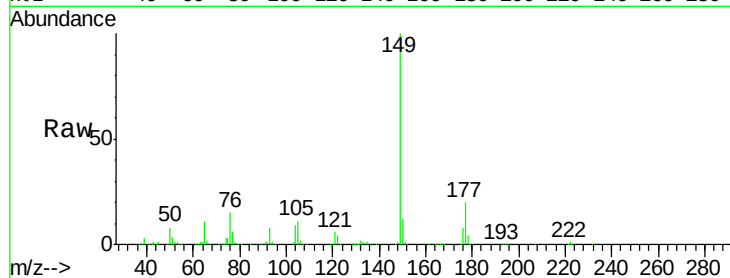
#59
Diethylphthalate
Concen: 37.406 ng
RT: 15.04 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.2	18.3	27.5
150	11.8	9.8	14.8

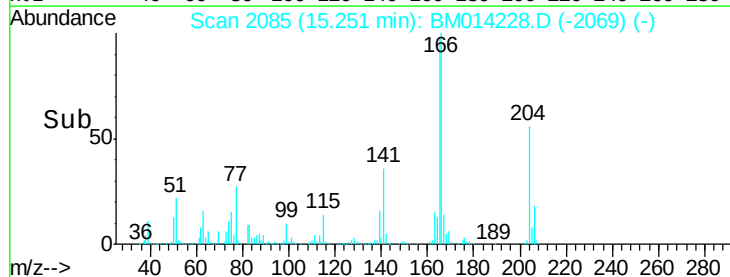
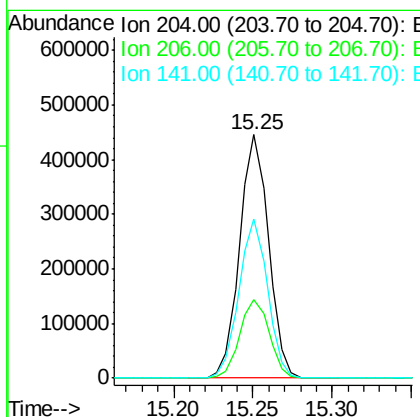
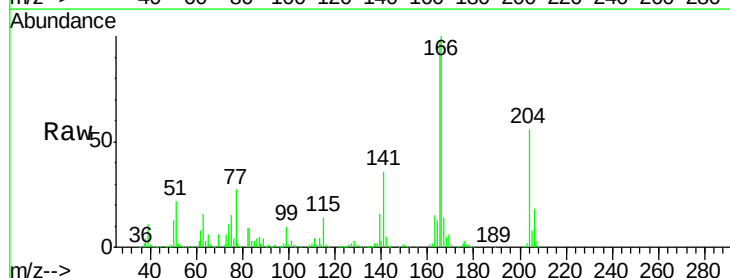
Manual Integrations
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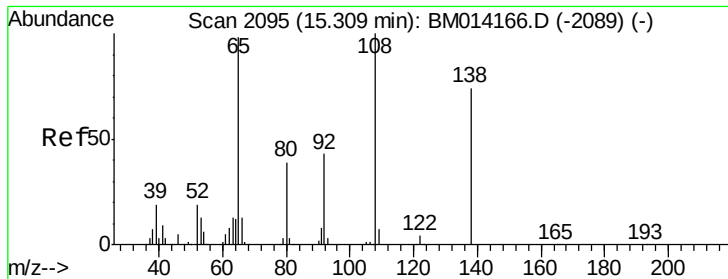
Sohil
2/14/2018 11:10:43 AM



#60
4-Chlorophenyl-phenylether
Concen: 40.179 ng
RT: 15.25 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.6	39.8
141	65.4	45.2	67.8





#61

4-Nitroaniline

Concen: 33.088 ng

RT: 15.30 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

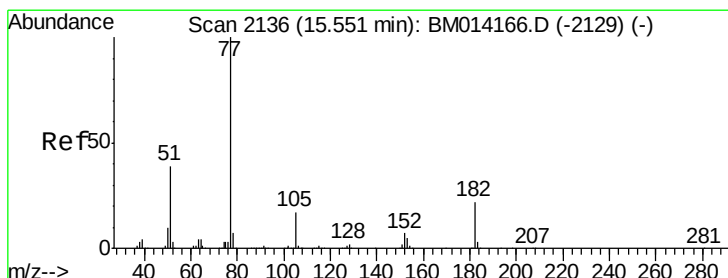
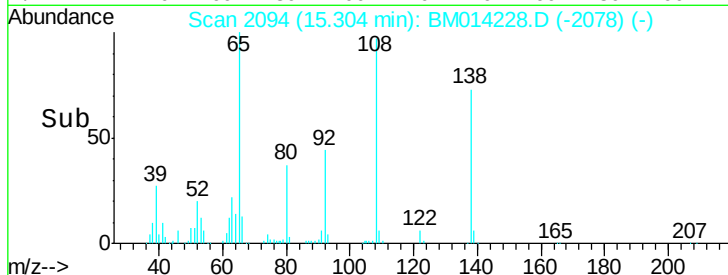
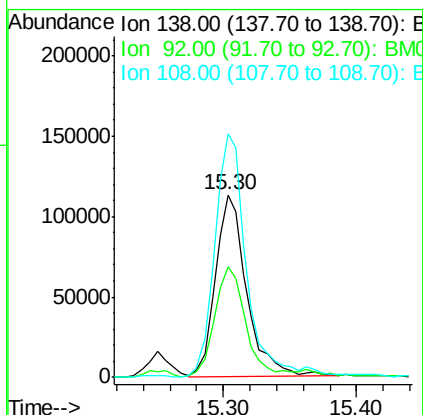
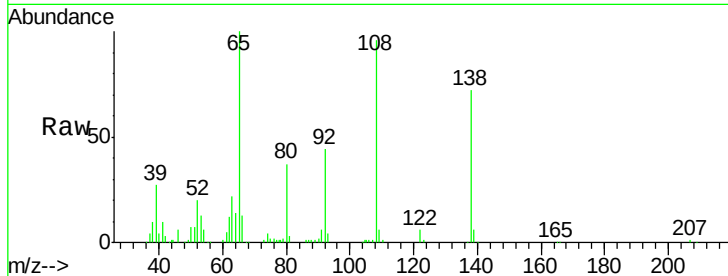
ClientSampleId :

PB106453BS

Tot Ion:	138	Resp:	185965
Ion Ratio	Lower	Upper	
138	100		
92	60.3	16.7	56.7#
108	133.2	37.6	77.6#

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Sohil
2/14/2018 11:10:43 AM



#62

Azobenzene

Concen: 39.922 ng

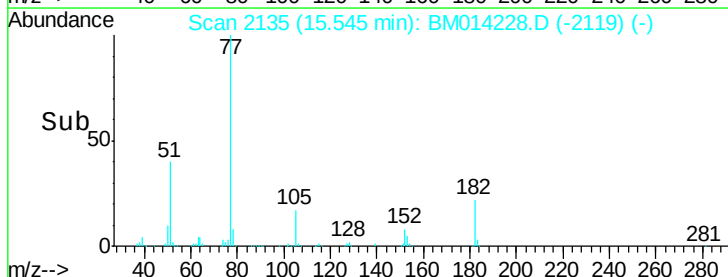
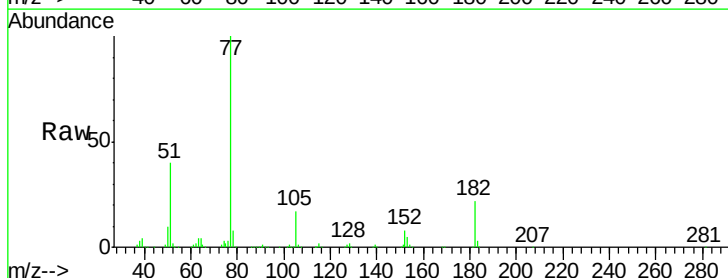
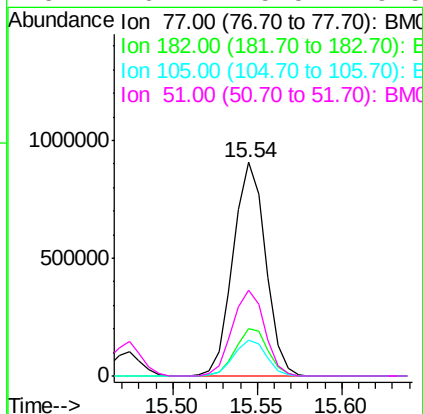
RT: 15.54 min Scan# 2135

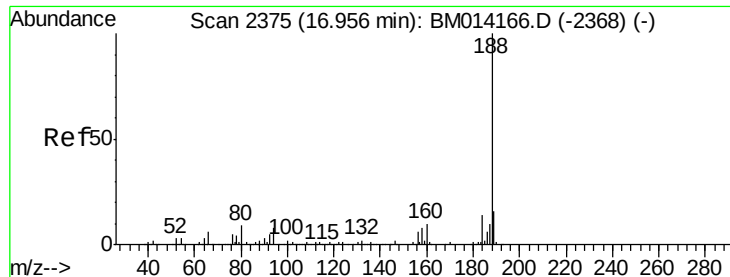
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	77	Resp:	1217883
Ion Ratio	Lower	Upper	
77	100		
182	22.1	6.5	46.5
105	16.8	3.8	43.8
51	40.2	5.5	45.5





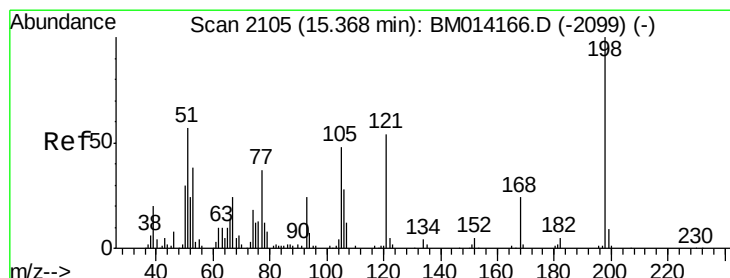
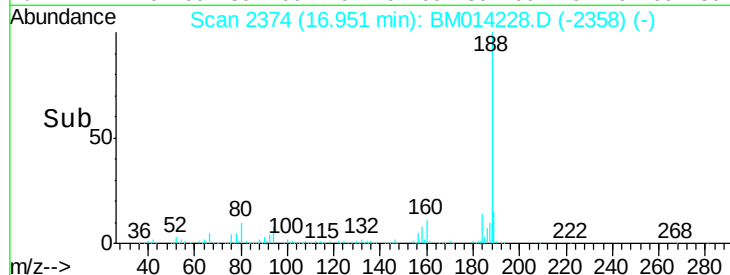
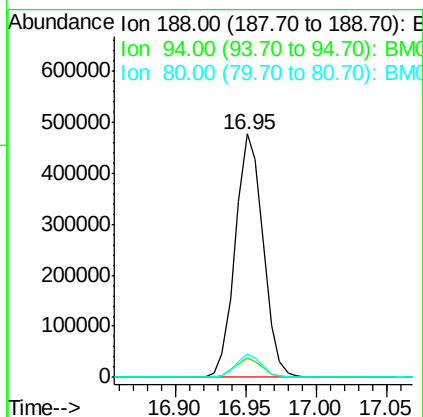
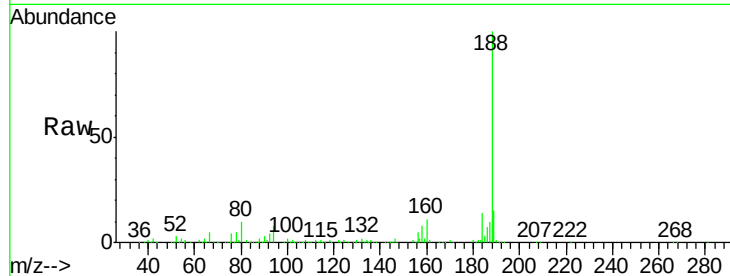
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	8.7	13.1#
80	9.6	9.3	13.9

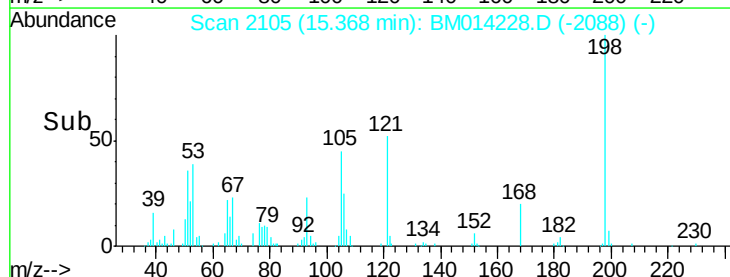
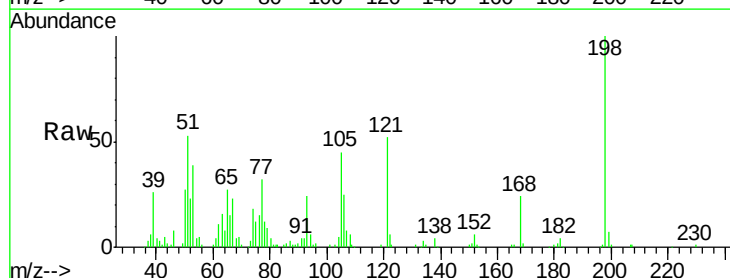
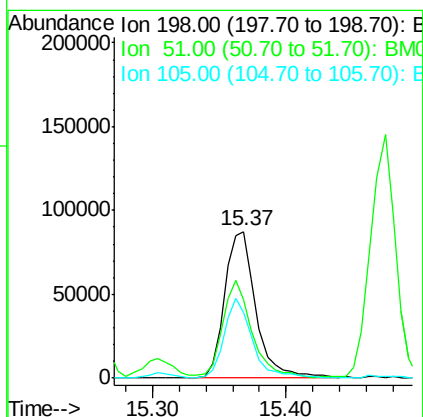
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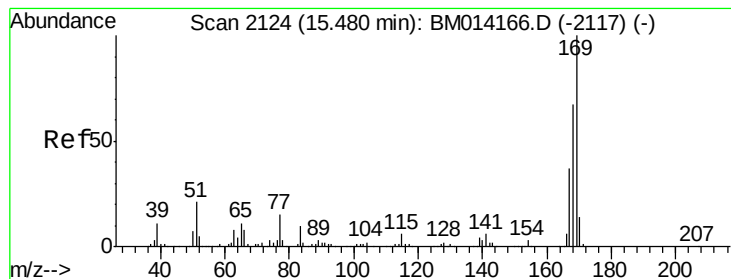
Sohil
2/14/2018 11:10:43 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 33.832 ng
RT: 15.37 min Scan# 2105
Delta R.T. 0.00 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	53.3	28.8	68.8
105	44.8	30.5	70.5





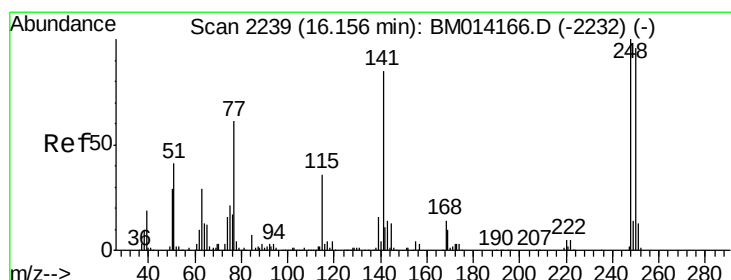
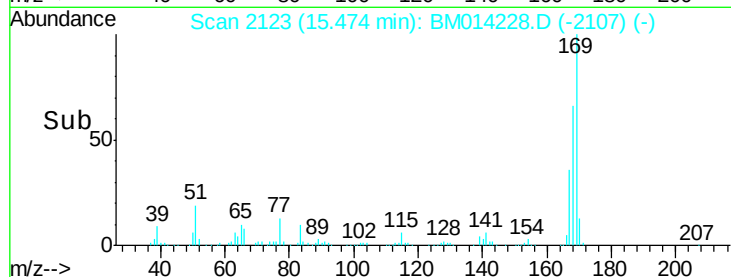
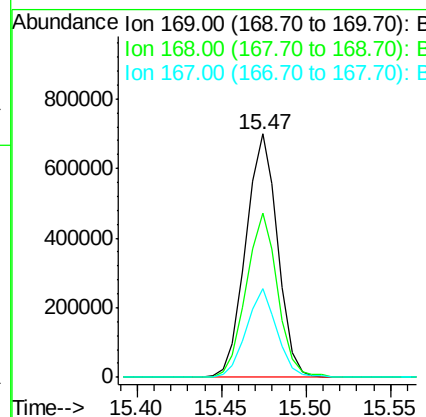
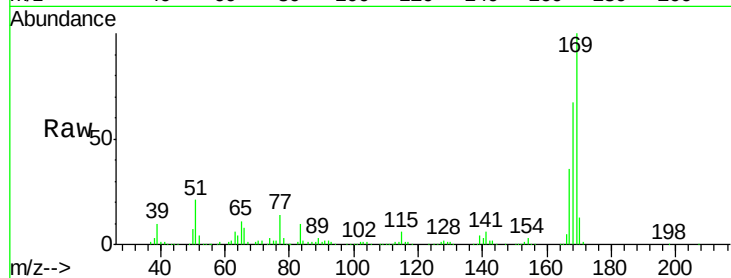
#65
 n-Nitrosodiphenylamine
 Concen: 44.202 ng
 RT: 15.47 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Instrument :
 BNA_M
 ClientSampleId :
 PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	916145		
168	67.3	53.9	80.9	
167	36.4	28.9	43.3	

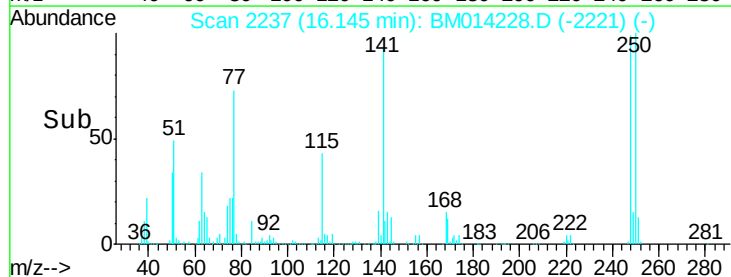
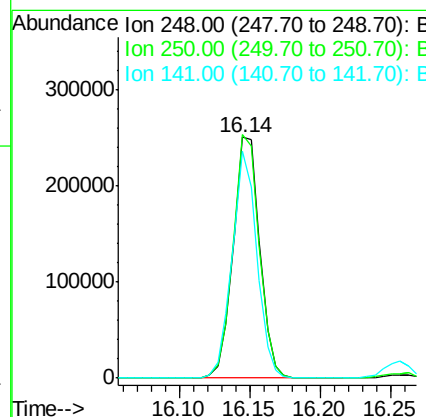
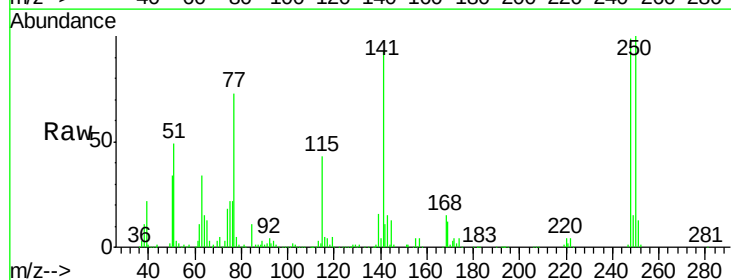
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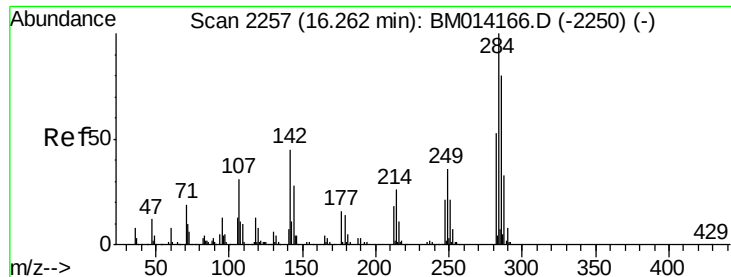
Sohil
 2/14/2018 11:10:43 AM



#66
 4-Bromophenyl-phenylether
 Concen: 42.697 ng
 RT: 16.14 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	328551		
250	101.2	77.4	116.0	
141	94.1	45.2	67.8	





#67

Hexachlorobenzene

Concen: 40.125 ng

RT: 16.26 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

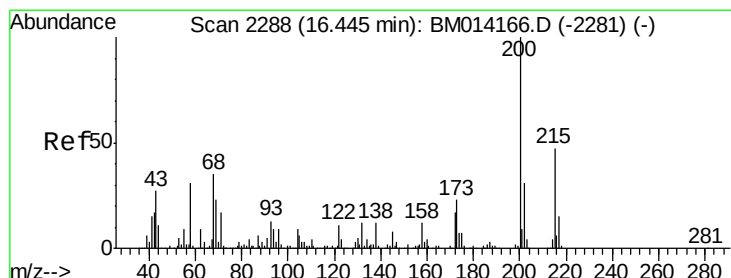
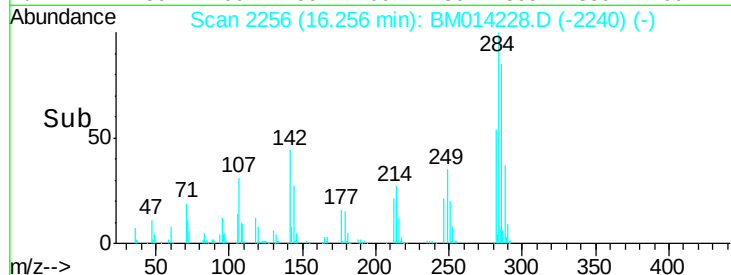
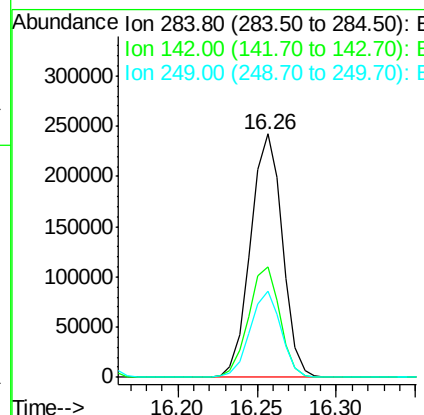
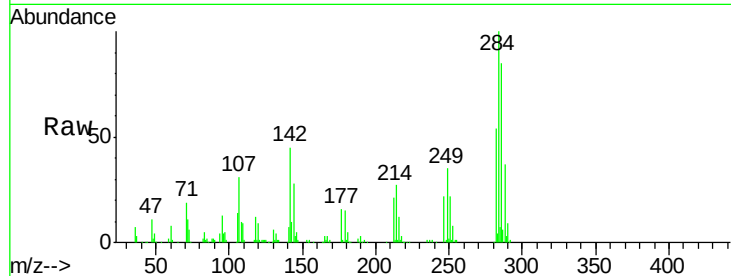
ClientSampleId :

PB106453BS

Tot Ion:	284	Resp:	338985
Ion Ratio		Lower	Upper
284	100		
142	45.4	20.4	30.6#
249	35.4	23.8	35.6

Manual Integrations
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#68

Atrazine

Concen: 41.128 ng

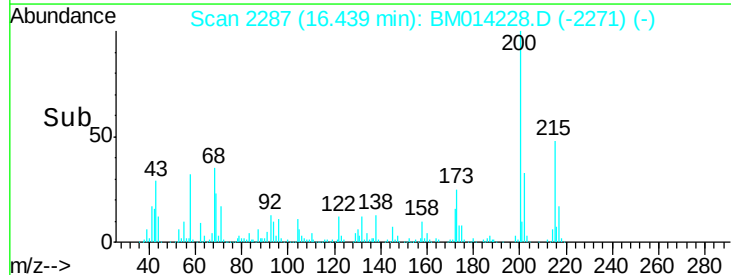
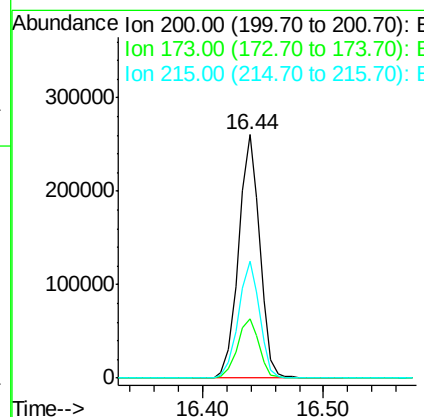
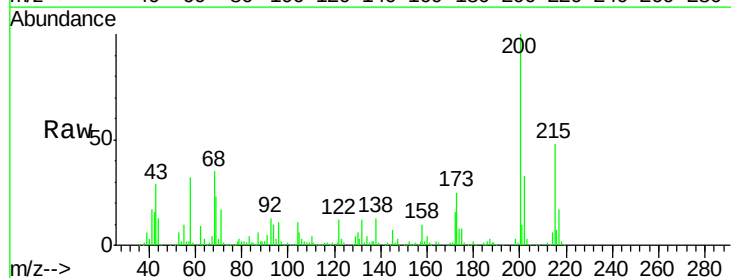
RT: 16.44 min Scan# 2287

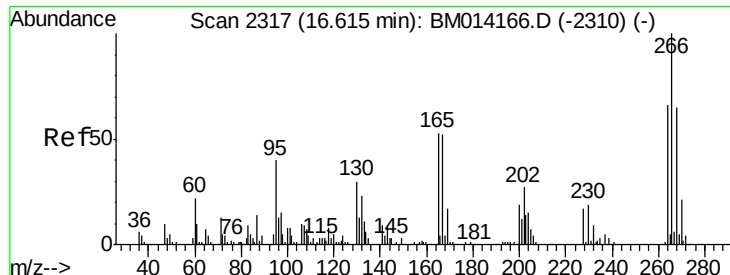
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	200	Resp:	319724
Ion Ratio		Lower	Upper
200	100		
173	24.6	4.8	44.8
215	47.8	26.9	66.9





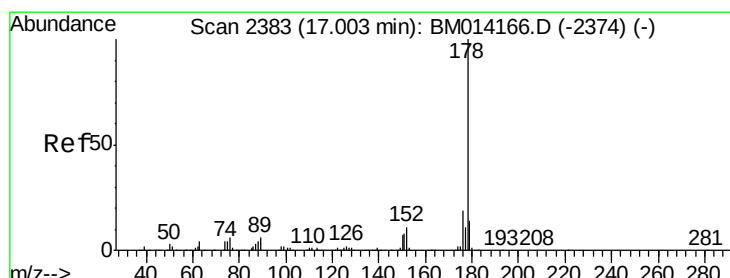
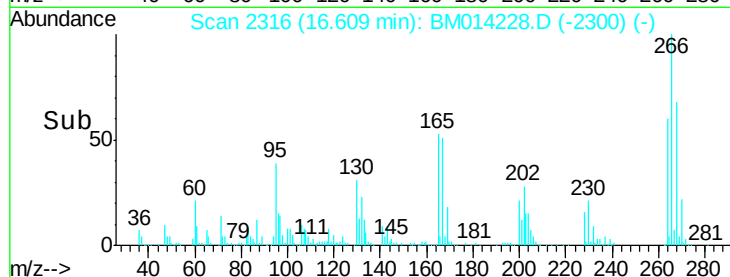
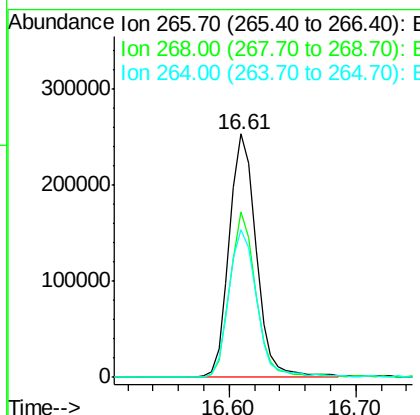
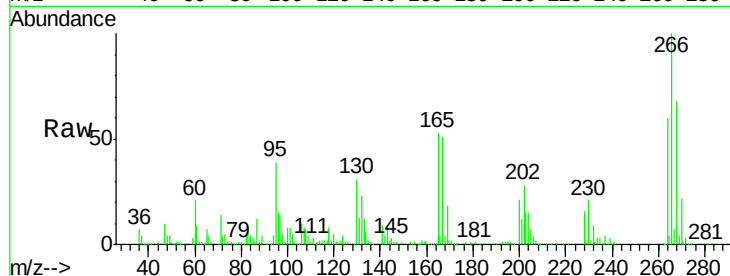
#69
 Pentachlorophenol
 Concen: 65.816 ng
 RT: 16.61 min Scan# 2316
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Instrument :
 BNA_M
 ClientSampleId :
 PB106453BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	67.8	52.0	78.0
264	60.4	49.0	73.4

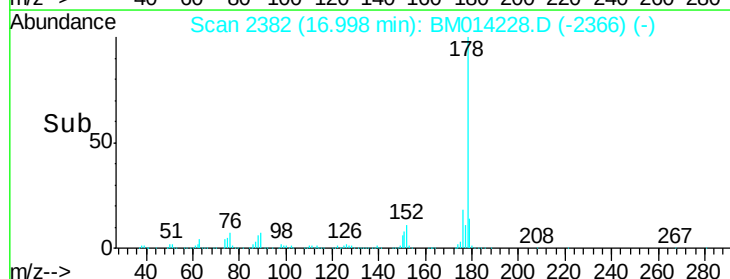
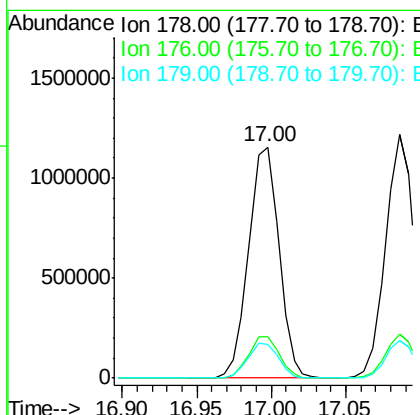
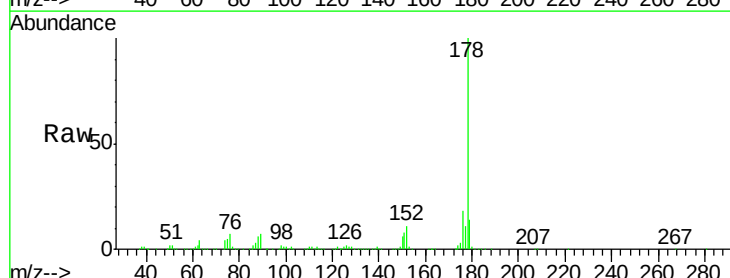
Manual Integrations
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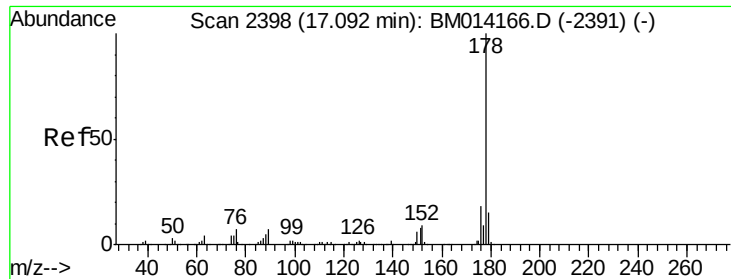
Sohil
 2/14/2018 11:10:43 AM



#70
 Phenanthrene
 Concen: 41.114 ng
 RT: 17.00 min Scan# 2382
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.2	22.8
179	14.4	12.1	18.1





#71

Anthracene

Concen: 42.521 ng

RT: 17.09 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

ClientSampleId :

PB106453BS

Tot Ion:178 Resp: 1640898

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

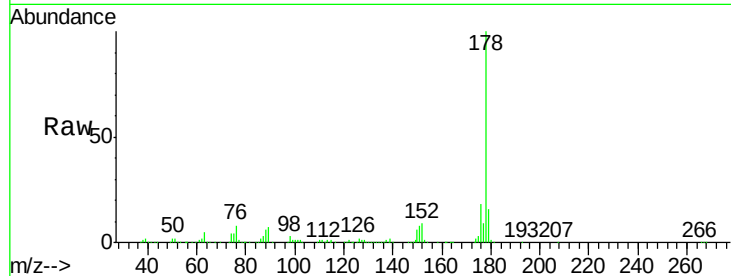
179 15.5 12.6 19.0

Manual Integrations

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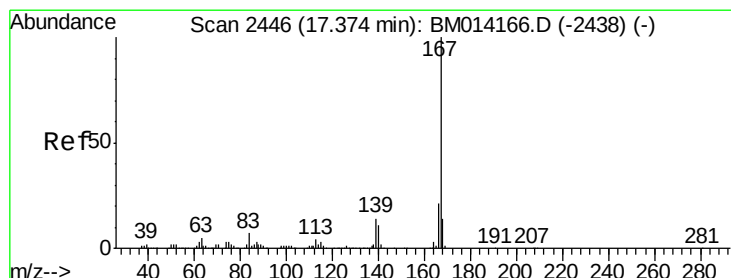
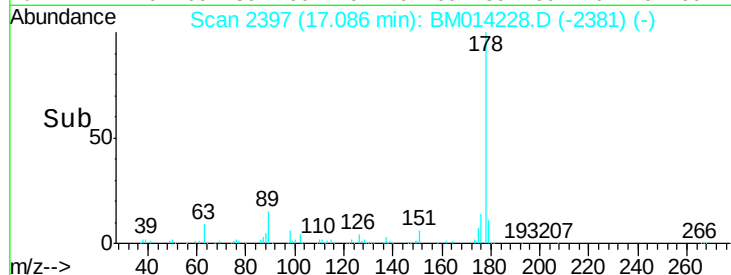
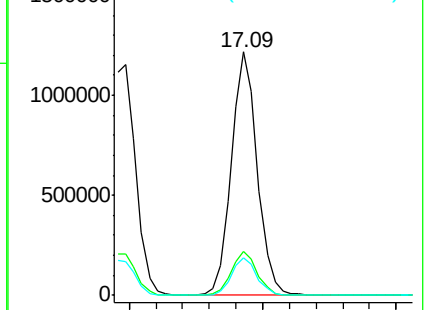
2/14/2018 11:10:43 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 37.230 ng

RT: 17.37 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

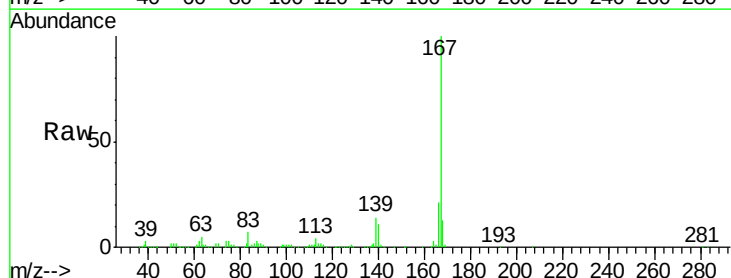
Tgt Ion:167 Resp: 1350466

Ion Ratio Lower Upper

167 100

166 20.8 17.2 25.8

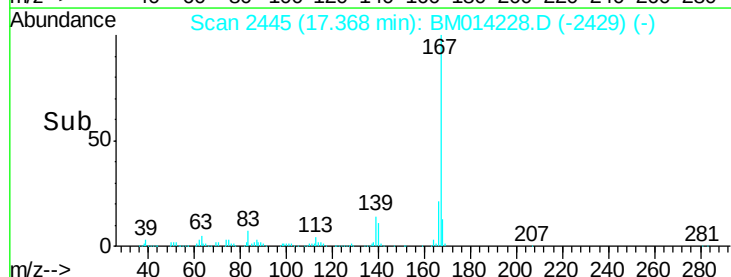
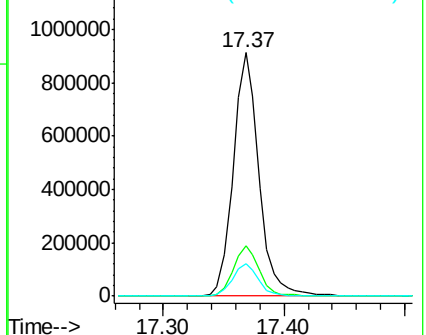
139 13.6 10.8 16.2

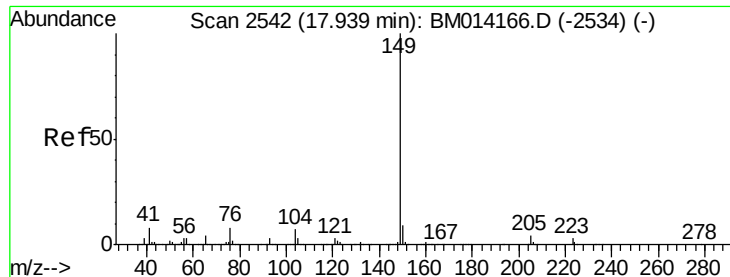


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 37.532 ng

RT: 17.93 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

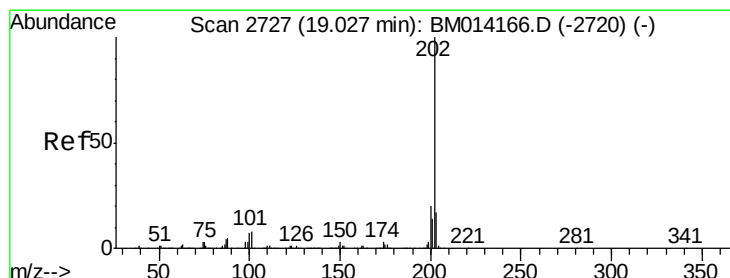
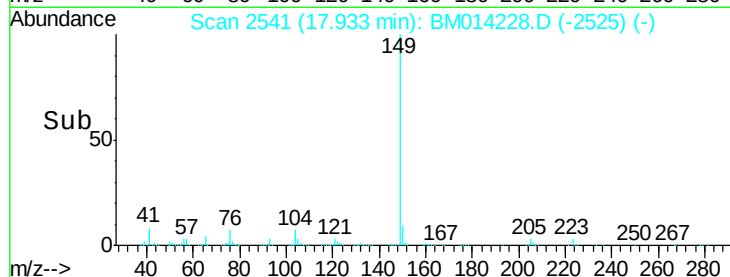
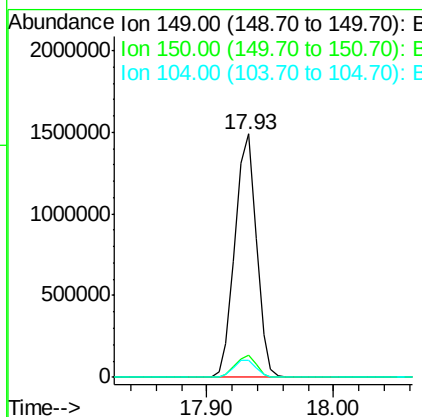
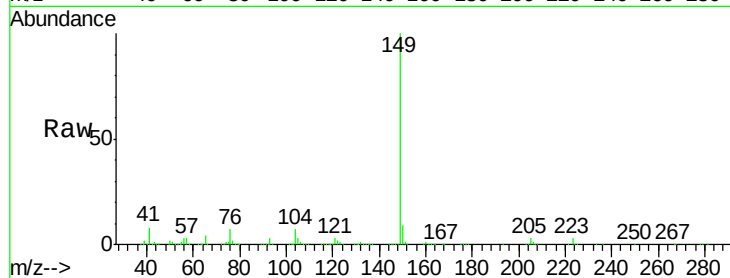
ClientSampleId :

PB106453BS

Tot Ion:	149	Resp:	1742311
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.5	11.3
104	7.0	3.7	5.5#

Manual Integrations
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#74

Fluoranthene

Concen: 36.422 ng

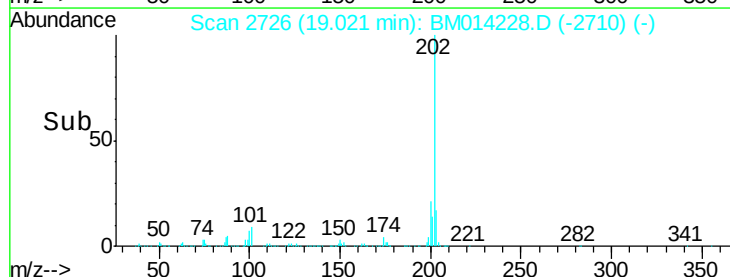
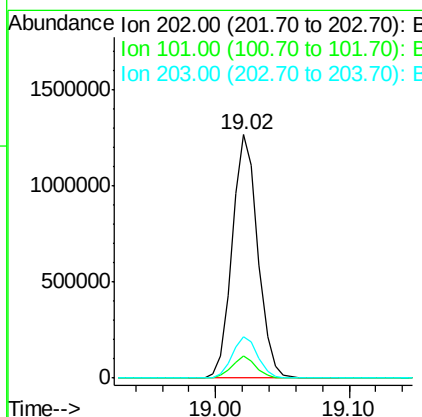
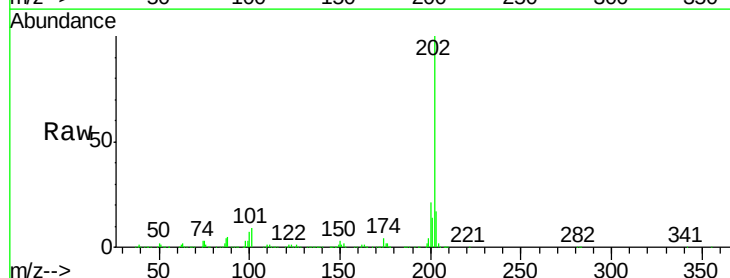
RT: 19.02 min Scan# 2726

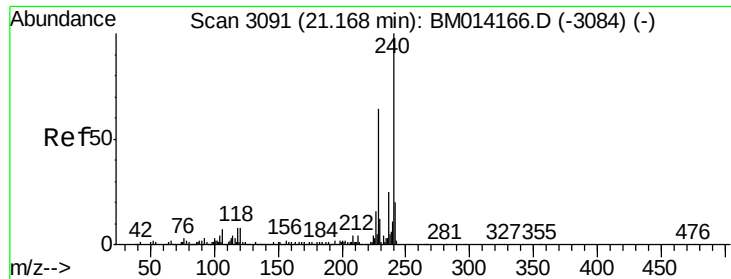
Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion:	202	Resp:	1698190
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	28.7
203	16.8	0.0	37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

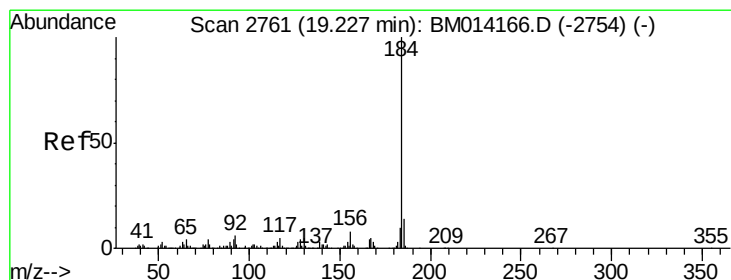
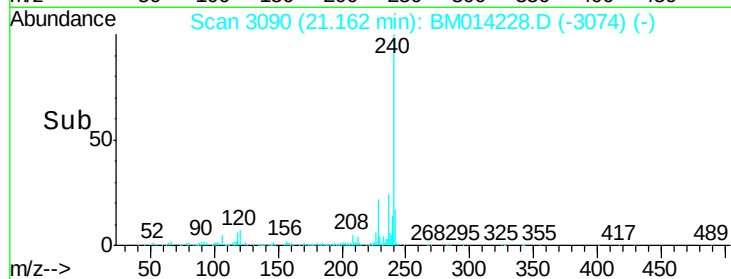
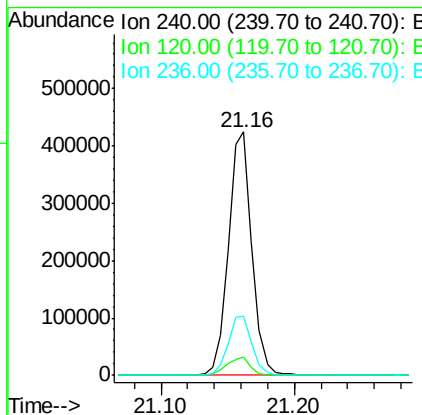
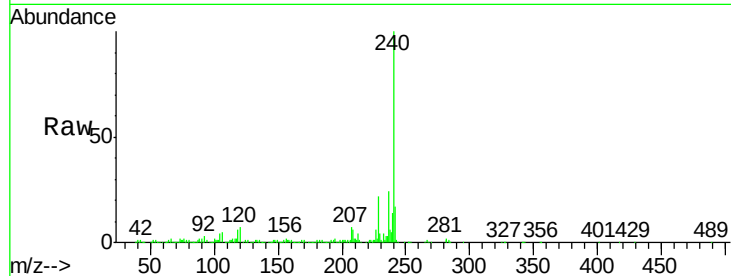
ClientSampleId :

PB106453BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	8.2	12.2#
236	24.4	20.0	30.0

Manual Integrations
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Sohil
2/14/2018 11:10:43 AM



#76

Benzidine

Concen: 35.758 ng

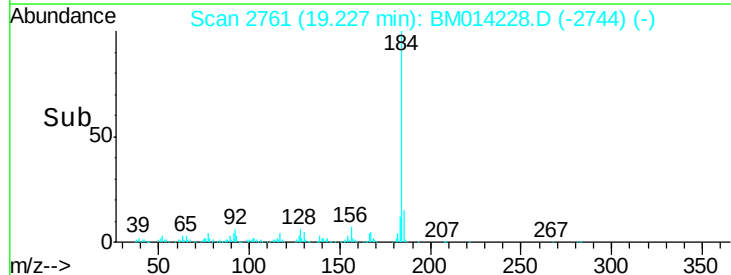
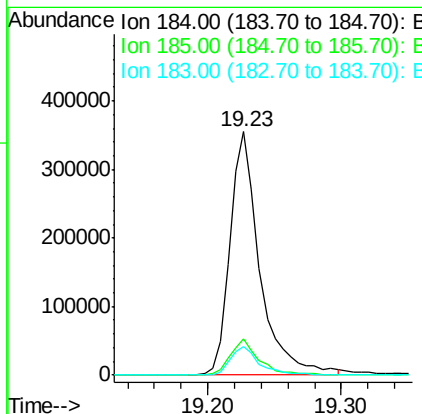
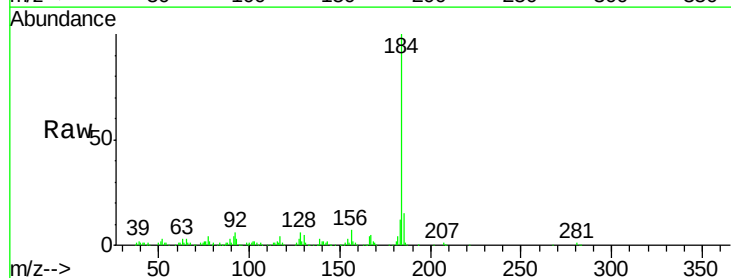
RT: 19.23 min Scan# 2761

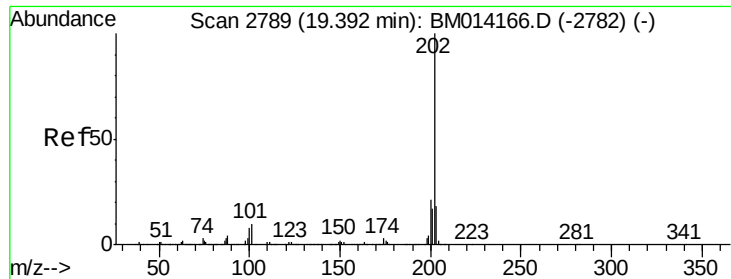
Delta R.T. -0.00 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.3	16.9
183	11.8	8.9	13.3





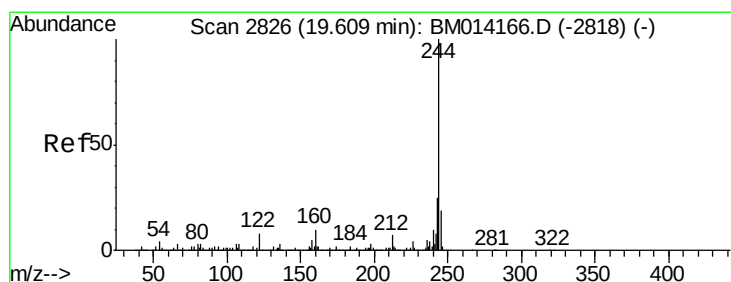
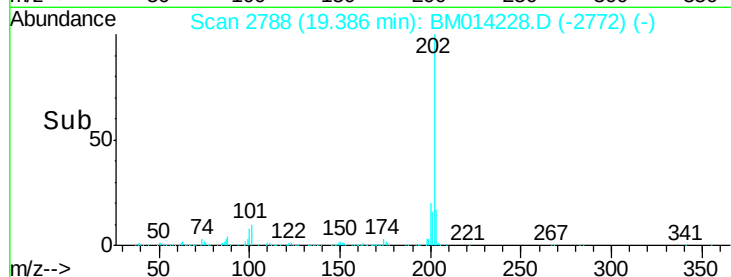
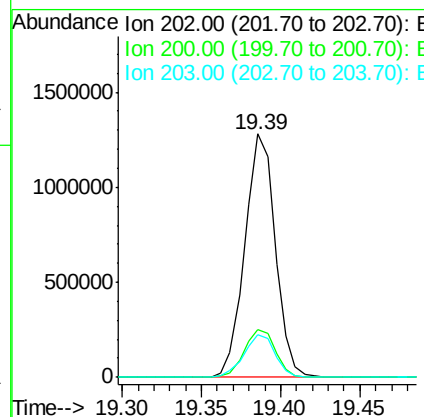
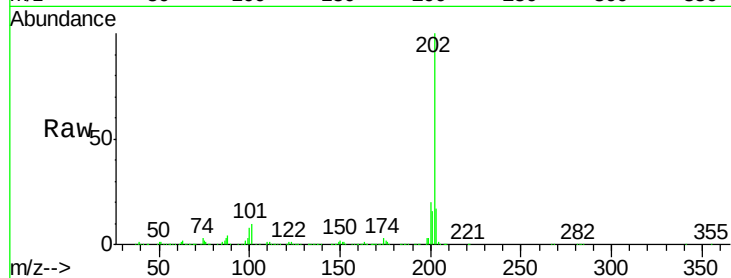
#77
Pvrene
Concen: 47.420 ng
RT: 19.39 min Scan# 2788
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.9	25.3
203	17.5	14.1	21.1

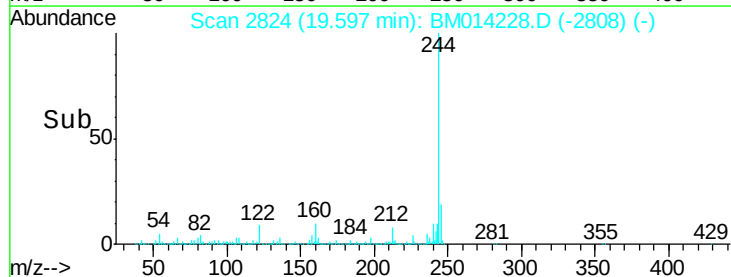
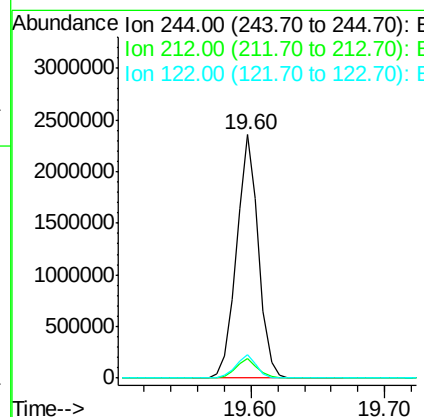
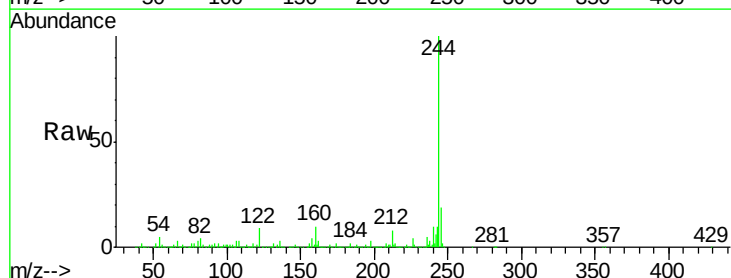
Manual Integrations
APPROVED

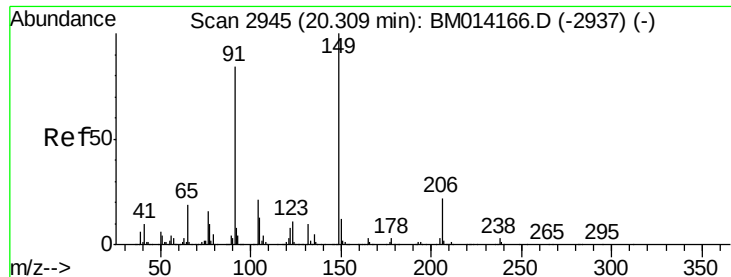
Sohil
2/14/2018 11:10:43 AM



#78
Terphenyl-d14
Concen: 101.139 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	4.9	7.3#
122	9.4	6.2	9.4#





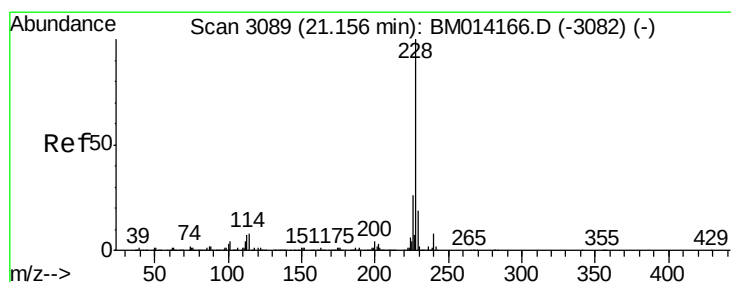
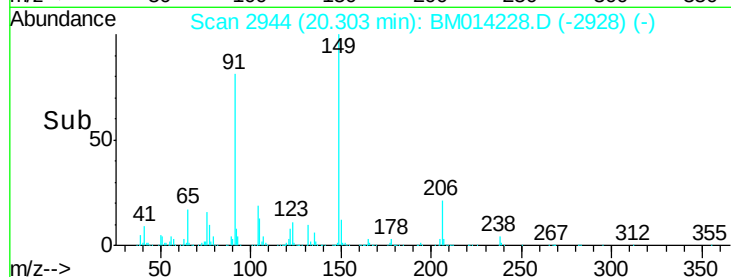
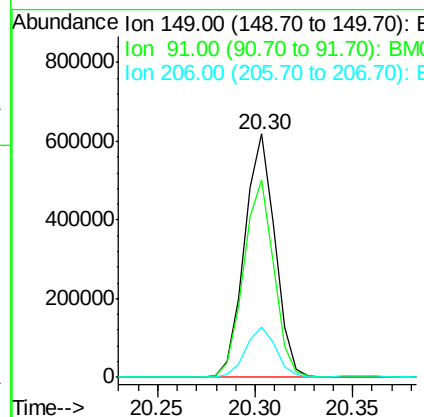
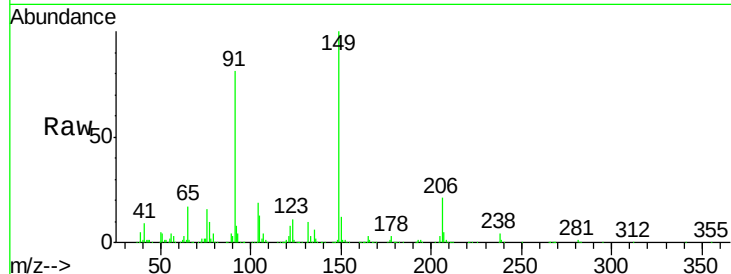
#79
Butylbenzylphthalate
Concen: 41.084 ng
RT: 20.30 min Scan# 2944
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	80.9	50.1	75.1#
206	20.8	16.2	24.2

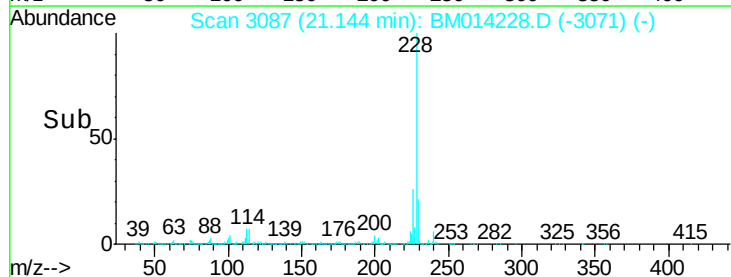
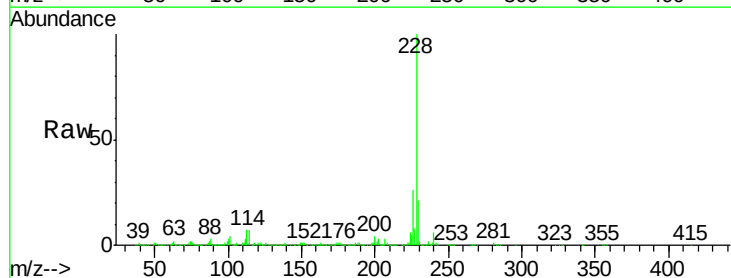
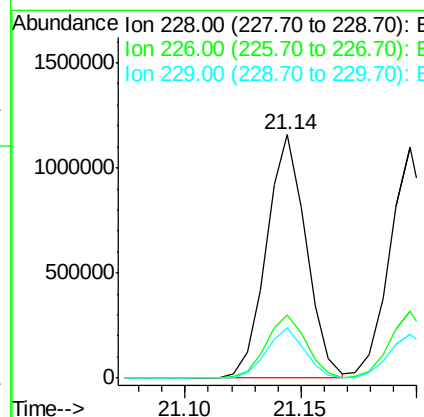
Manual Integrations
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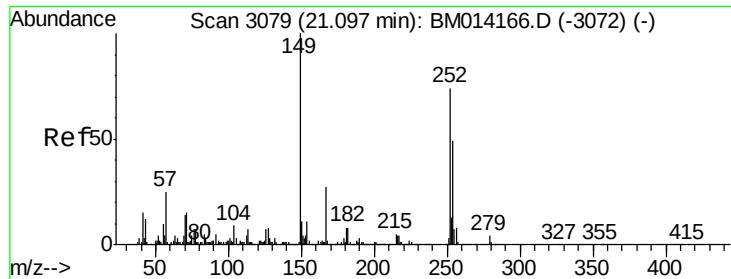
Sohil
2/14/2018 11:10:43 AM



#80
Benzo(a)anthracene
Concen: 40.821 ng
RT: 21.14 min Scan# 3087
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.7	32.5
229	20.7	16.0	24.0





#81

3,3'-Dichlorobenzidine

Concen: 21.216 ng

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BM014228.D

Acq: 13 Feb 2018 19:20

Instrument :

BNA_M

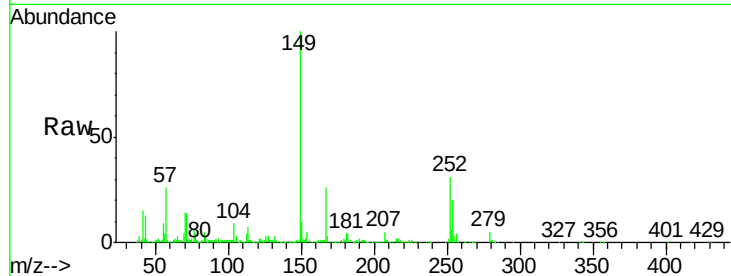
ClientSampled :

PB106453BS

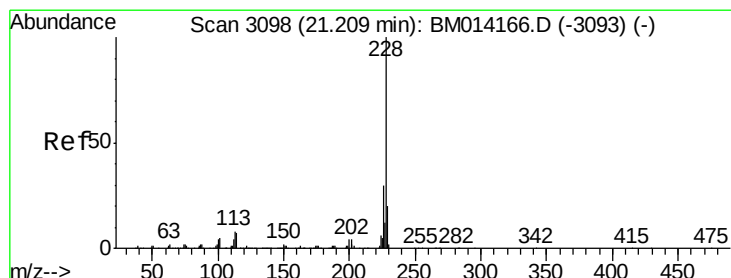
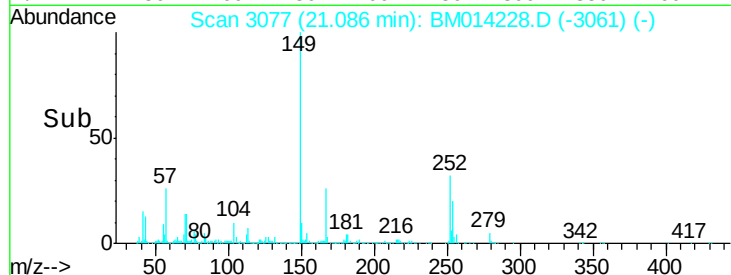
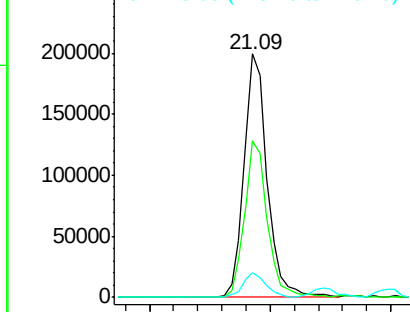
Tot Ion:	252	Resp:	267892
Ion Ratio	Lower	Upper	
252	100		
254	64.4	51.9	77.9
126	10.1	9.8	14.8

Manual Integrations
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2/14/2018 11:10:43 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 39.672 ng

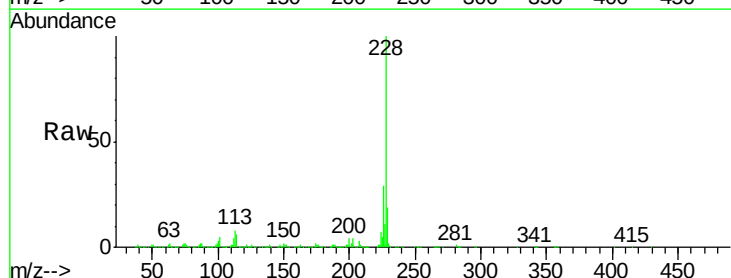
RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

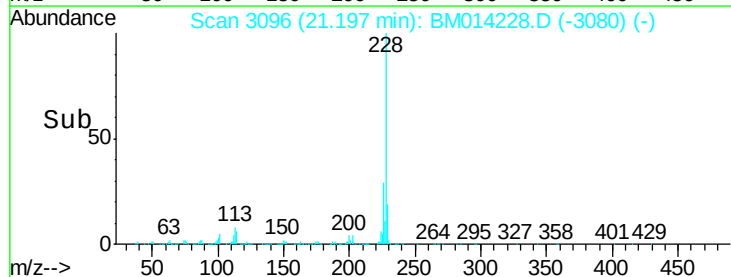
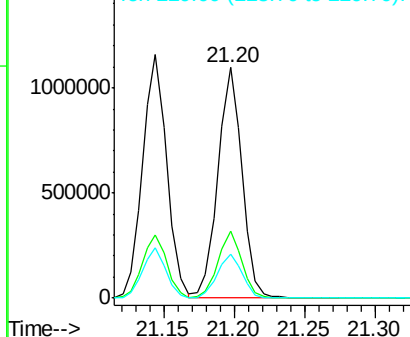
Lab File: BM014228.D

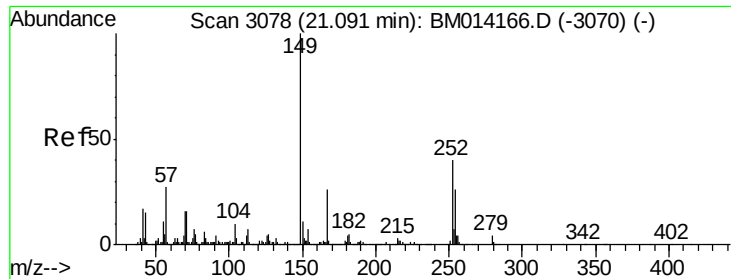
Acq: 13 Feb 2018 19:20

Tgt Ion:	228	Resp:	1300149
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.1	36.1
229	19.3	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





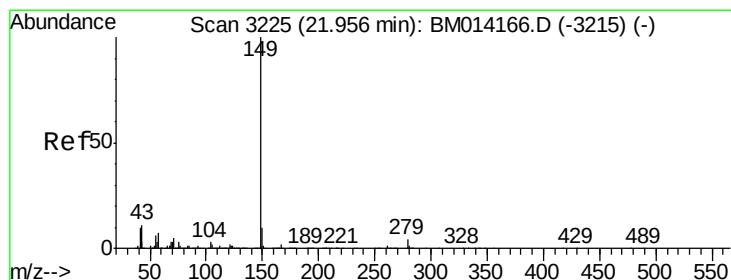
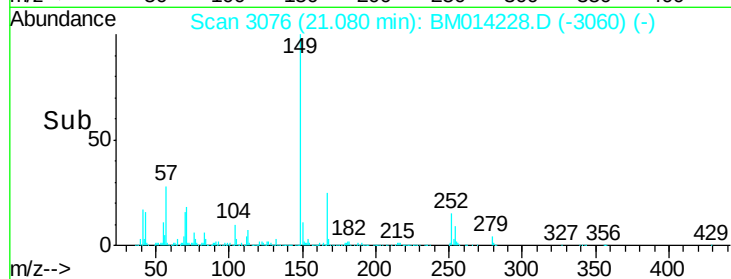
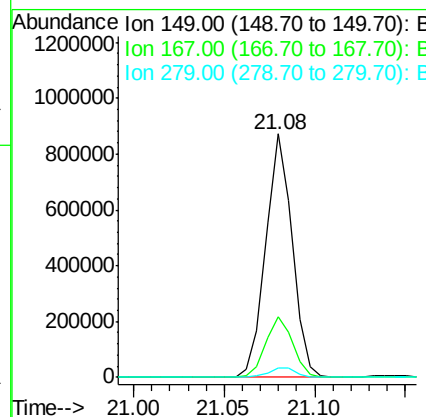
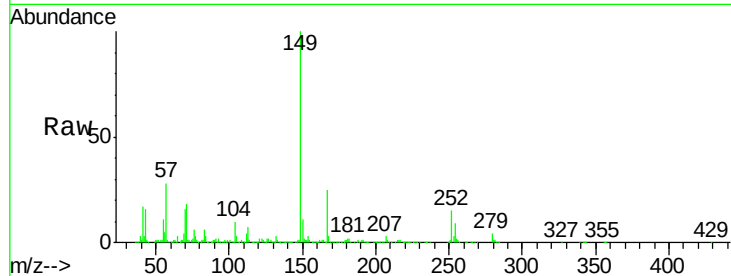
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.329 ng
 RT: 21.08 min Scan# 3076
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Instrument :
 BNA_M
 ClientSampleId :
 PB106453BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	885730		
167	24.9		22.4	33.6
279	3.9		3.4	5.0

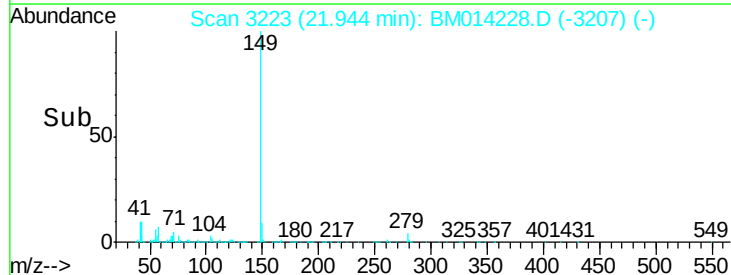
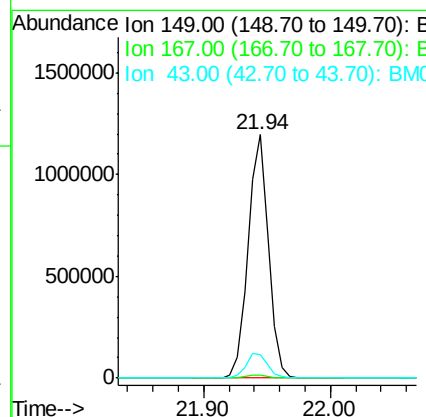
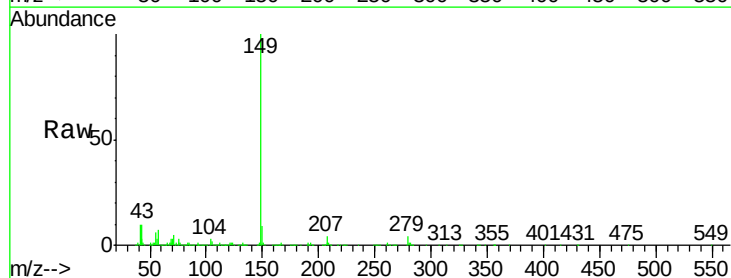
Manual Integrations
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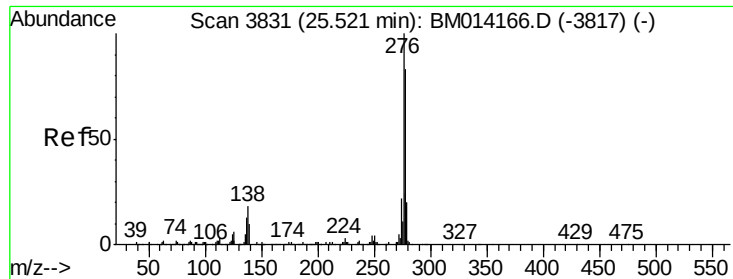
Sohil
 2/14/2018 11:10:43 AM



#84
 Di-n-octyl phthalate
 Concen: 40.225 ng
 RT: 21.94 min Scan# 3223
 Delta R.T. -0.01 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1321319		
167	1.5		1.2	1.8
43	10.6		7.3	10.9





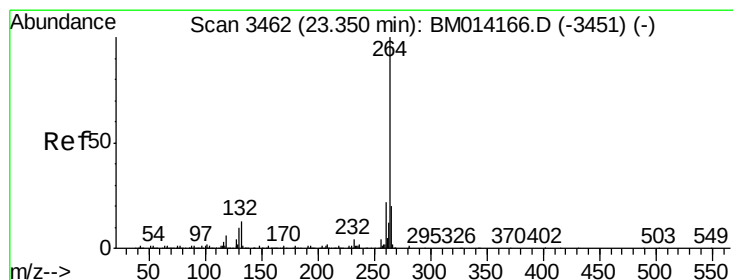
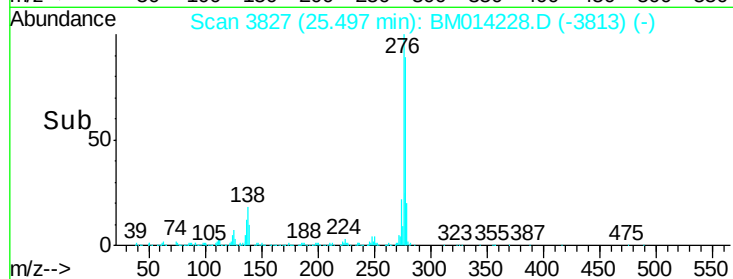
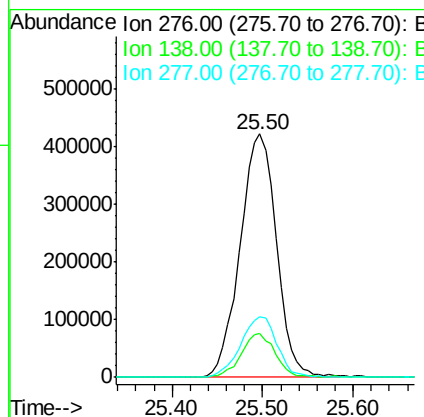
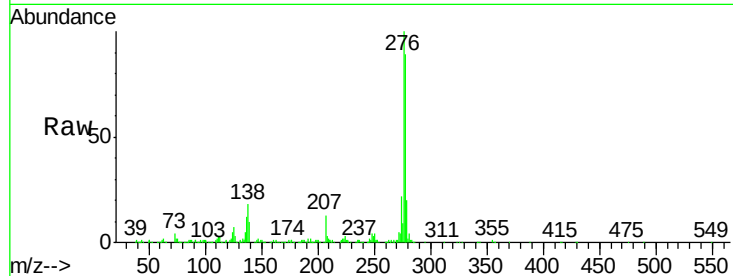
#85
Indeno(1,2,3-cd)pyrene
Concen: 45.883 ng
RT: 25.50 min Scan# 3827
Delta R.T. -0.02 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.0	18.0
277	25.0	20.0	30.0

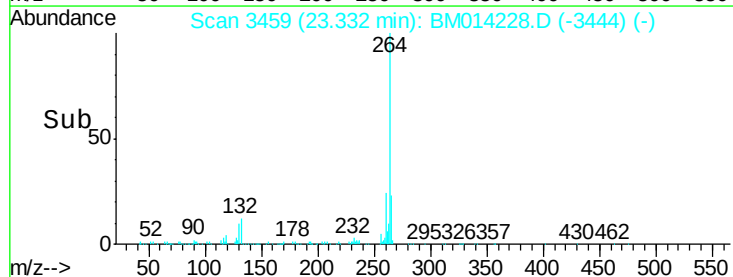
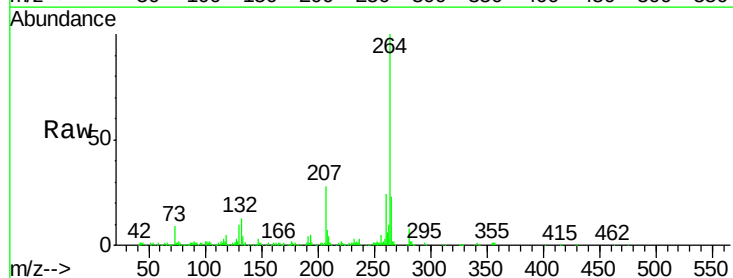
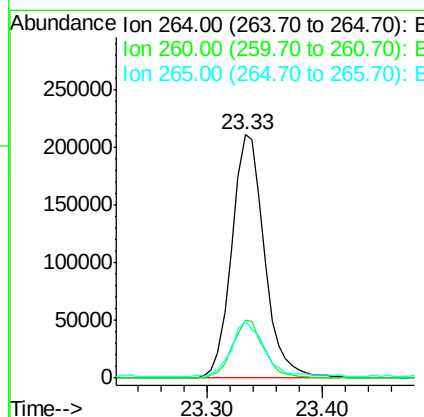
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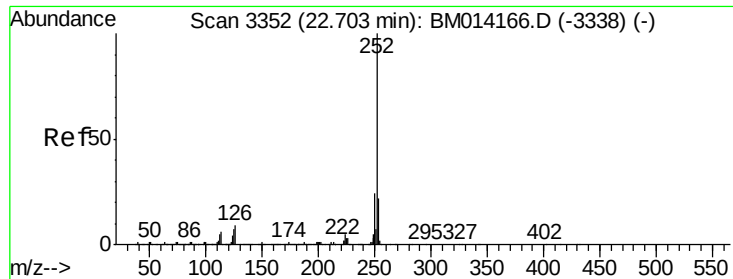
Sohil
2/14/2018 11:10:43 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.33 min Scan# 3459
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	23.1	17.3	25.9





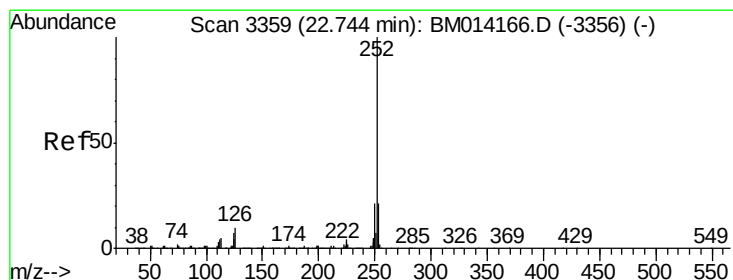
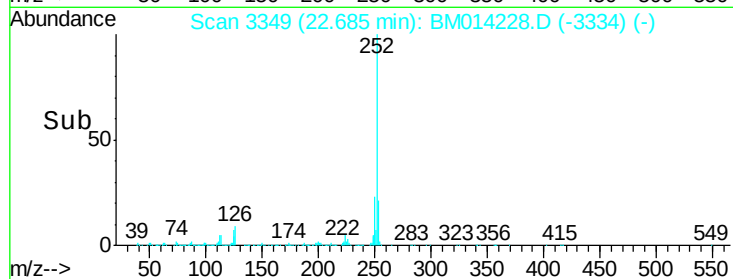
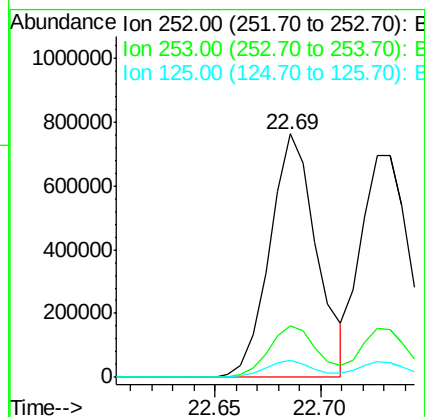
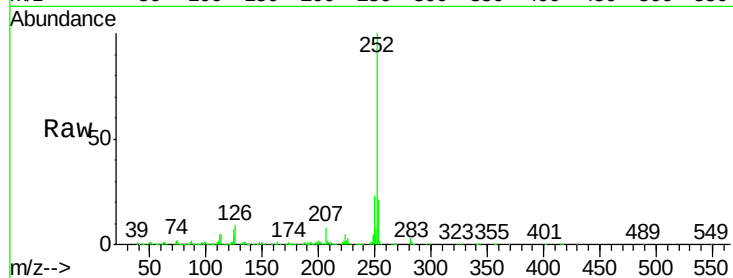
#87
Benzo(b)fluoranthene
Concen: 41.075 ng
RT: 22.69 min Scan# 3349
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampled :
PB106453BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.0	27.0
125	6.9	9.9	14.9#

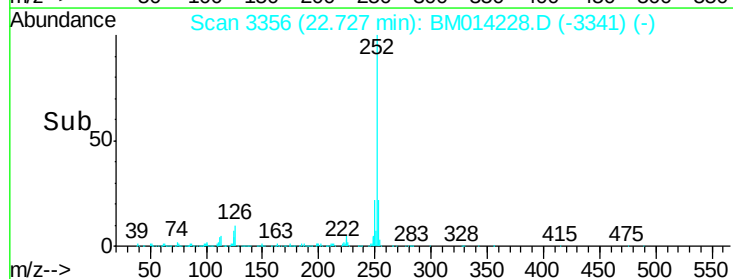
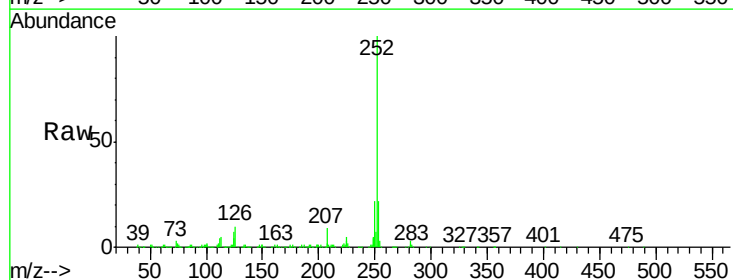
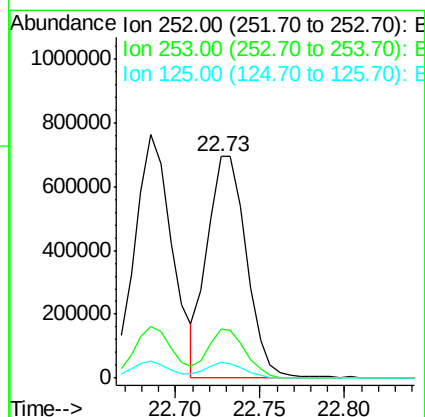
Manual Integrations
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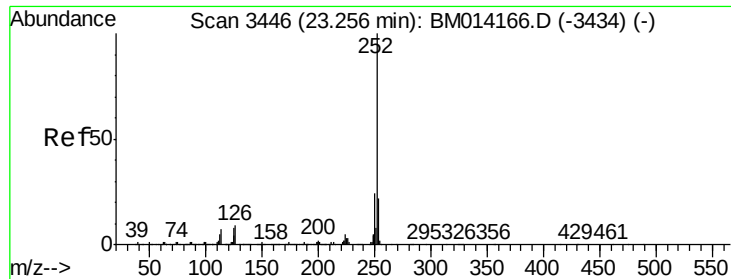
Sohil
2/14/2018 11:10:43 AM



#88
Benzo(k)fluoranthene
Concen: 40.742 ng
RT: 22.73 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	7.1	8.1	12.1#





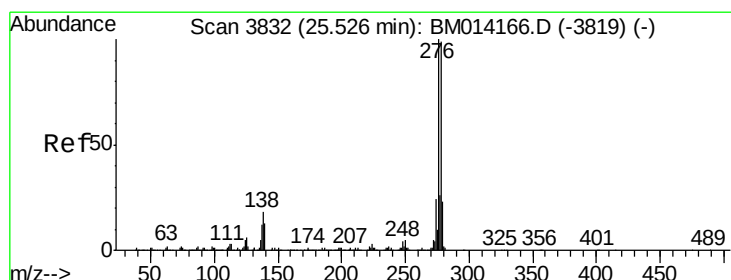
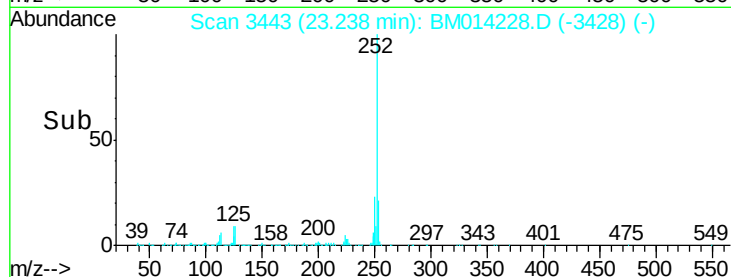
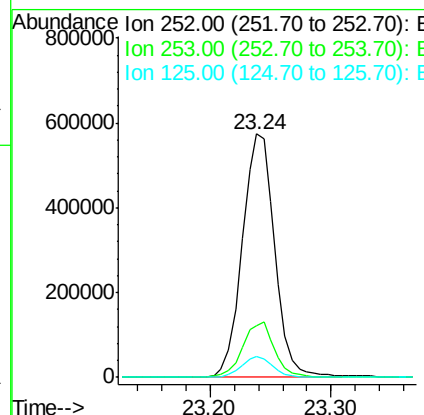
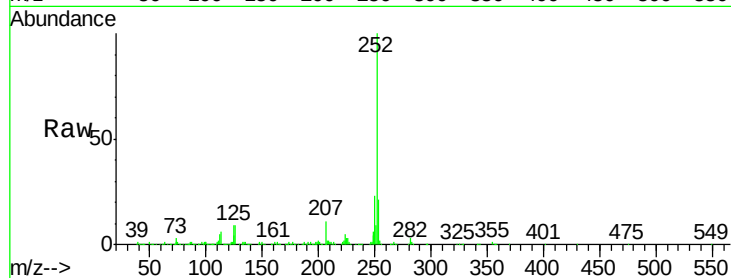
#89
Benzo(a)pyrene
Concen: 42.191 ng
RT: 23.24 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	8.6	7.4	11.2

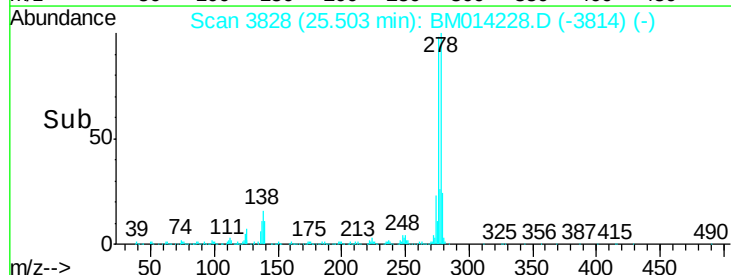
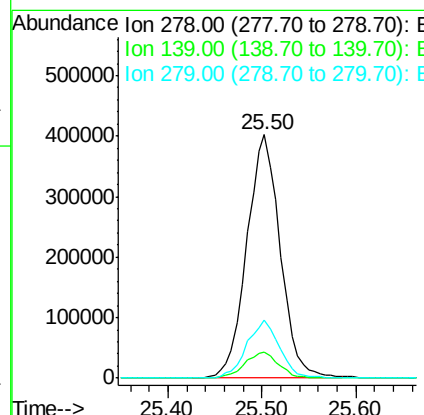
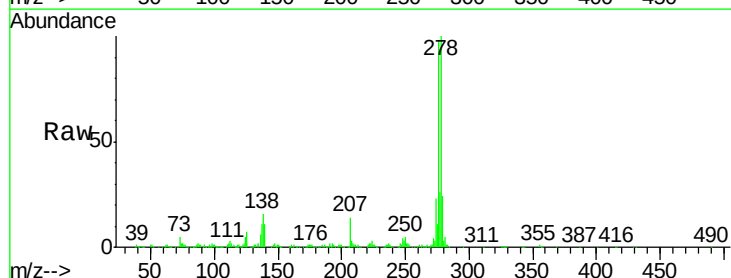
Manual Integrations
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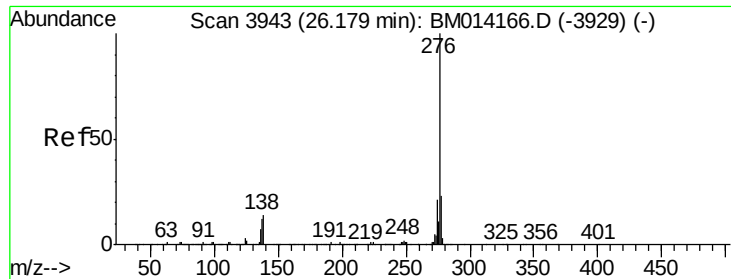
Sohil
2/14/2018 11:10:43 AM



#90
Dibenzo(a,h)anthracene
Concen: 47.896 ng
RT: 25.50 min Scan# 3828
Delta R.T. -0.02 min
Lab File: BM014228.D
Acq: 13 Feb 2018 19:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.8	13.4	20.0#
279	23.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 51.214 ng
 RT: 26.15 min Scan# 3938
 Delta R.T. -0.02 min
 Lab File: BM014228.D
 Acq: 13 Feb 2018 19:20

Instrument :
 BNA_M
 ClientSampleId :
 PB106453BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.5	27.7
138	13.8	19.0	28.6

Manual Integrations
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 2/14/2018 11:10:43 AM

