

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012919\
 Data File : BM018686.D
 Acq On : 29 Jan 2019 20:26
 Operator : JU/SJ
 Sample : K1008-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-012819MSD

Manual Integrations
 APPROVED

mohammad
 1/30/2019 11:10:43 AM

Quant Time: Jan 30 00:28:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 22:01:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	242482	20.00	ng	-0.01
21) Naphthalene-d8	10.52	136	893589	20.00	ng	-0.01
39) Acenaphthene-d10	14.37	164	450355	20.00	ng	-0.01
64) Phenanthrene-d10	17.13	188	894470	20.00	ng	-0.01
76) Chrysene-d12	21.32	240	818256	20.00	ng	-0.01
87) Perylene-d12	23.59	264	846392	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1653897	125.94	ng	0.00
7) Phenol-d6	6.90	99	1909923	114.51	ng	0.00
23) Nitrobenzene-d5	8.89	82	1502780	97.49	ng	-0.01
42) 2,4,6-Tribromophenol	15.87	330	745098	129.94	ng	-0.01
45) 2-Fluorobiphenyl	12.99	172	3118069	90.34	ng	-0.01
79) Terphenyl-d14	19.76	244	3681621	94.85	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.28	88	208415	38.940	ng	# 35
3) Pyridine	3.68	79	518087	38.825	ng	# 76
4) n-Nitrosodimethylamine	3.59	42	204480	37.057	ng	# 52
6) Aniline	7.07	93	140261	7.539	ng	98
8) 2-Chlorophenol	7.29	128	655168	42.718	ng	98
9) Benzaldehyde	6.88	77	487004	58.358	ng	94
10) Phenol	6.93	94	656980	38.762	ng	99
11) bis(2-Chloroethyl)ether	7.16	93	603705	45.332	ng	95
12) 1,3-Dichlorobenzene	7.61	146	734140	40.193	ng	96
13) 1,4-Dichlorobenzene	7.76	146	746778	40.339	ng	98
14) 1,2-Dichlorobenzene	8.07	146	714039	40.677	ng	99
15) Benzyl Alcohol	7.97	79	586156	48.657	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.25	45	529144	31.091	ng	76
17) 2-Methylphenol	8.17	107	502761	43.700	ng	95
18) Hexachloroethane	8.79	117	271249	41.094	ng	95
19) n-Nitroso-di-n-propylamine	8.53	70	503229	46.362	ng	# 75
20) 3+4-Methylphenols	8.50	107	663974	41.806	ng	96
22) Acetophenone	8.56	105	946295	42.809	ng	# 91
24) Nitrobenzene	8.93	77	755199	49.793	ng	93
25) Isophorone	9.46	82	1256346	53.824	ng	98
26) 2-Nitrophenol	9.64	139	335457	45.742	ng	95
27) 2,4-Dimethylphenol	9.69	122	547303	49.790	ng	94
28) bis(2-Chloroethoxy)methane	9.93	93	786352	48.766	ng	99
29) 2,4-Dichlorophenol	10.17	162	583120	44.550	ng	98
30) 1,2,4-Trichlorobenzene	10.37	180	684016	42.102	ng	99
31) Naphthalene	10.56	128	1967421	45.716	ng	99
32) Benzoic acid	9.83	122	243106m	34.900	ng	
33) 4-Chloroaniline	10.70	127	67998	4.012	ng	95
34) Hexachlorobutadiene	10.83	225	424228	41.332	ng	99
35) Caprolactam	11.50	113	112750m	25.336	ng	
36) 4-Chloro-3-methylphenol	11.81	107	595036	43.331	ng	94
37) 2-Methylnaphthalene	12.18	142	1403273	46.151	ng	99
38) 1-Methylnaphthalene	12.40	142	1309377	44.506	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.55	216	725423	46.062	ng	99

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Manual Integrations
 APPROVED

mohammad
 1/30/2019 11:10:43 AM

Quant Time: Jan 30 00:28:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 22:01:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.52	237	921424	106.605	nq	100
43) 2,4,6-Trichlorophenol	12.80	196	453557	47.426	nq	99
44) 2,4,5-Trichlorophenol	12.87	196	472520	46.979	nq	98
46) 1,1'-Biphenyl	13.20	154	1731579	44.035	nq	100
47) 2-Chloronaphthalene	13.24	162	1332461	43.697	nq	99
48) 2-Nitroaniline	13.47	65	352141	46.939	nq	96
49) Acenaphthylene	14.10	152	2070575	46.595	nq	99
50) Dimethylphthalate	13.84	163	1563487	42.272	nq	99
51) 2,6-Dinitrotoluene	13.96	165	339675	43.356	nq	96
52) Acenaphthene	14.44	154	1192906	43.873	nq	98
53) 3-Nitroaniline	14.30	138	47913	6.066	nq	88
54) 2,4-Dinitrophenol	14.50	184	289785	69.376	nq	95
55) Dibenzofuran	14.77	168	1904557	42.394	nq	99
56) 4-Nitrophenol	14.61	139	480485	70.416	nq	94
57) 2,4-Dinitrotoluene	14.75	165	457465	41.269	nq	91
58) Fluorene	15.43	166	1510183	45.125	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.00	232	410329	46.025	nq	98
60) Diethylphthalate	15.20	149	1533960	41.083	nq	99
61) 4-Chlorophenyl-phenylether	15.42	204	782454	40.566	nq	98
62) 4-Nitroaniline	15.46	138	253772	29.456	nq	97
63) Azobenzene	15.72	77	1460796	47.985	nq	92
65) 4,6-Dinitro-2-methylphenol	15.52	198	217146	39.201	nq	85
66) n-Nitrosodiphenylamine	15.64	169	1292018	46.566	nq	98
67) 4-Bromophenyl-phenylether	16.32	248	457686	45.725	nq	97
68) Hexachlorobenzene	16.42	284	505162	45.081	nq	99
69) Atrazine	16.60	200	432883	43.156	nq	98
70) Pentachlorophenol	16.77	266	586750	79.951	nq	99
71) Phenanthrene	17.17	178	2233635	46.948	nq	100
72) Anthracene	17.26	178	2242747	49.022	nq	100
73) Carbazole	17.54	167	1951108	41.510	nq	99
74) Di-n-butylphthalate	18.09	149	2338466	45.419	nq	100
75) Fluoranthene	19.19	202	2422439	44.163	nq	99
77) Benzidine	19.39	184	427056	21.137	nq	99
78) Pyrene	19.56	202	2450744	50.529	nq	99
80) Butylbenzylphthalate	20.46	149	966989	46.723	nq	96
81) Benzo(a)anthracene	21.30	228	2283548	47.372	nq	99
82) 3,3'-Dichlorobenzidine	21.24	252	221421	12.147	nq	100
83) Chrysene	21.36	228	2141853	46.013	nq	99
84) Bis(2-ethylhexyl)phthalate	21.23	149	1335103	44.674	nq	100
85) Di-n-octyl phthalate	22.12	149	2290277	45.564	nq	# 91
86) Indeno(1,2,3-cd)pyrene	25.89	276	2915805	54.322	nq	97
88) Benzo(b)fluoranthene	22.90	252	2351559	48.938	nq	98
89) Benzo(k)fluoranthene	22.95	252	2206524	45.565	nq	98
90) Benzo(a)pyrene	23.49	252	2268410	49.311	nq	98
91) Dibenzo(a,h)anthracene	25.90	278	2456986	52.712	nq	99
92) Benzo(g,h,i)perylene	26.60	276	2445876	53.922	nq	98

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

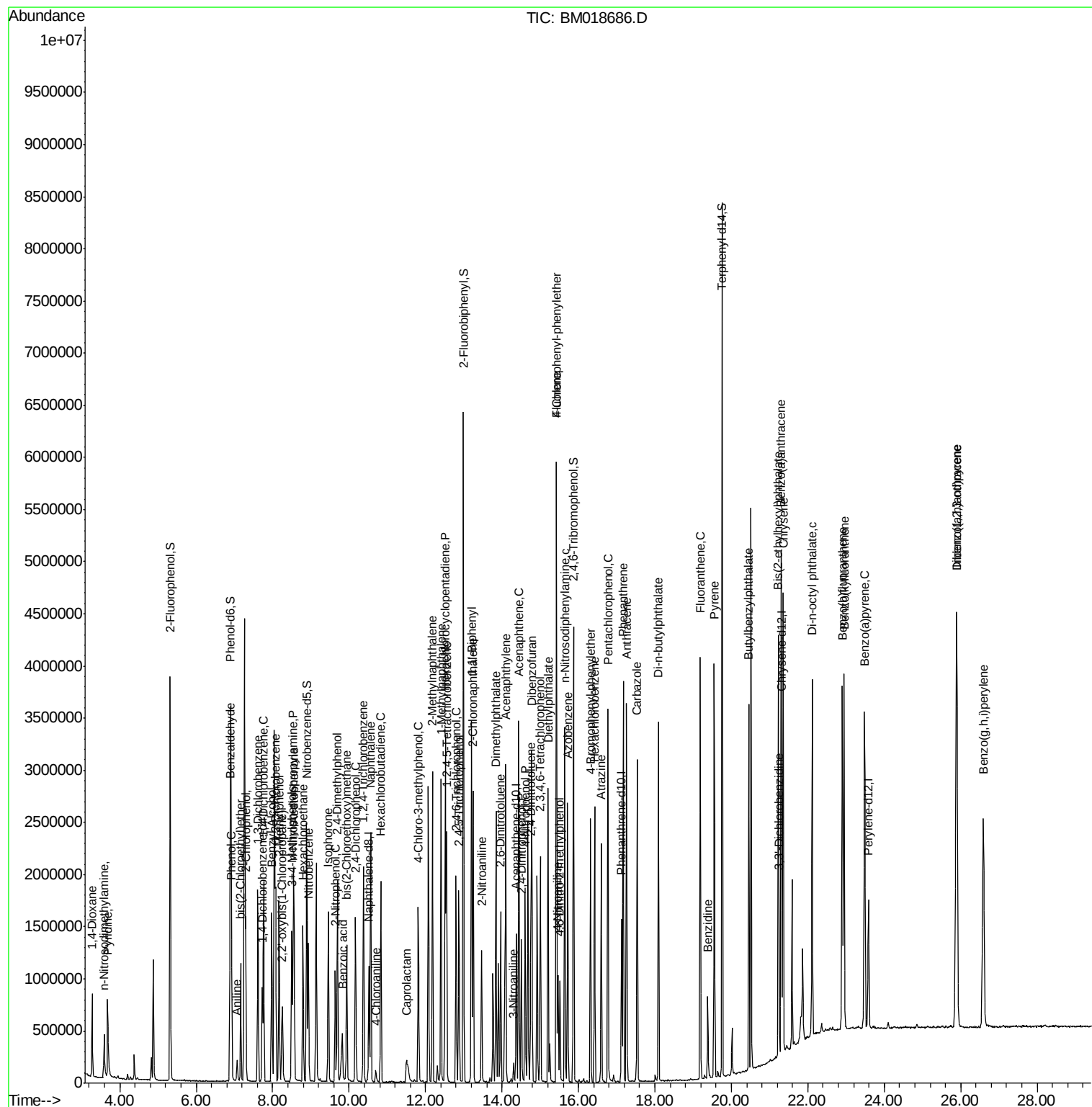
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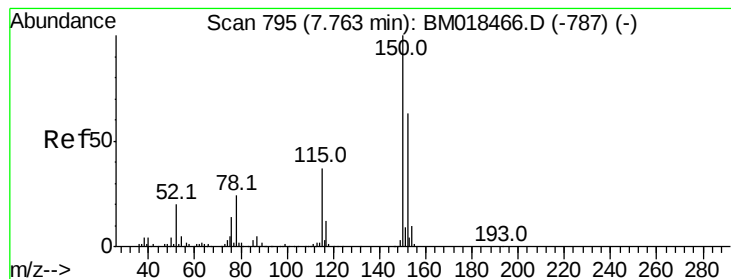
Instrument :
BNA_M
ClientSampleId :
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1/30/2019 11:10:43 AM

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#1

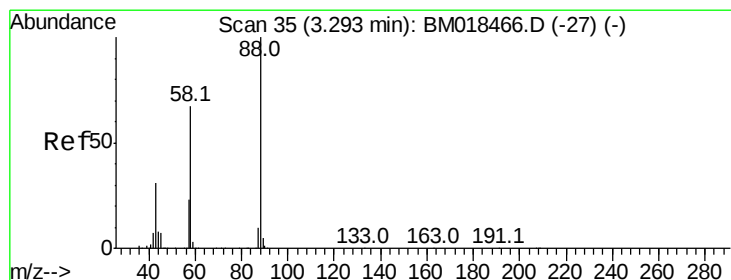
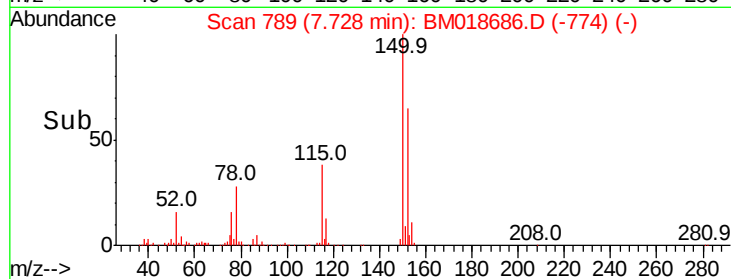
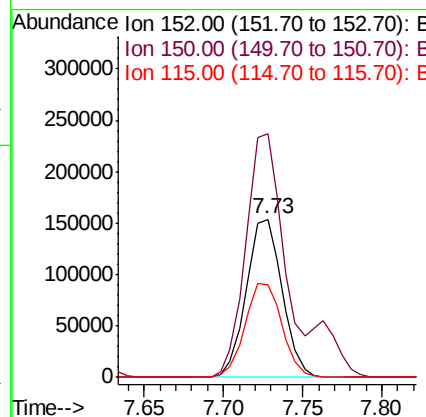
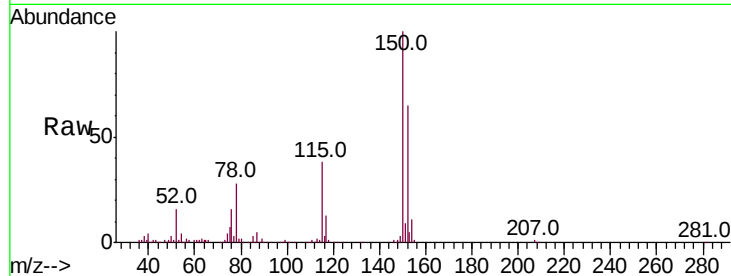
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
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ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.9	190.3
115	58.8	45.5	68.3

Manual Integrations
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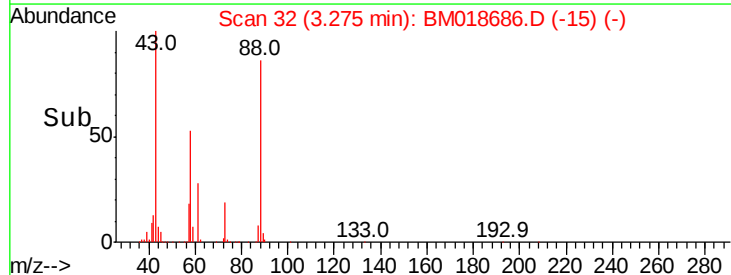
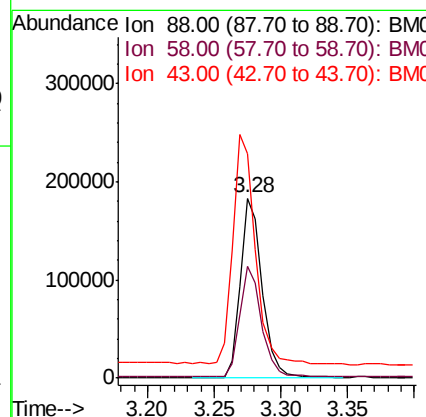
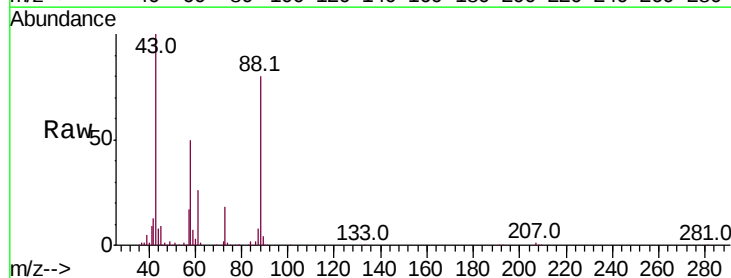
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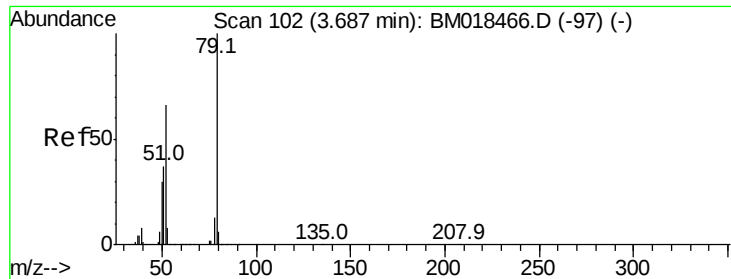


#2

1,4-Dioxane
Concen: 38.940 ng
RT: 3.28 min Scan# 32
Delta R.T. -0.00 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.5	58.4	87.6
43	132.3	26.2	39.4#





#3

Pvridine

Concen: 38.825 ng

RT: 3.68 min Scan# 101

Delta R.T. 0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

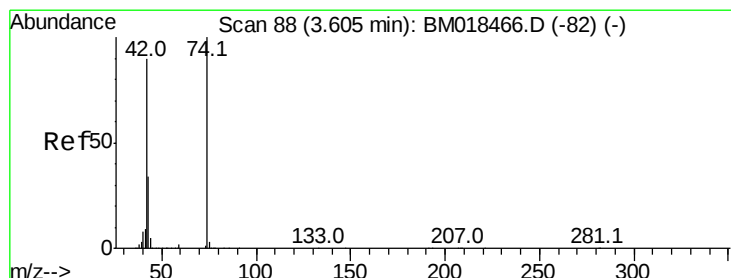
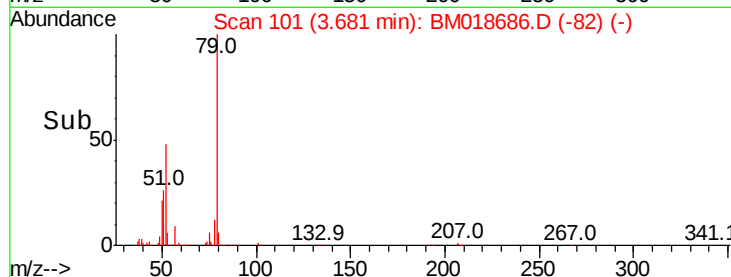
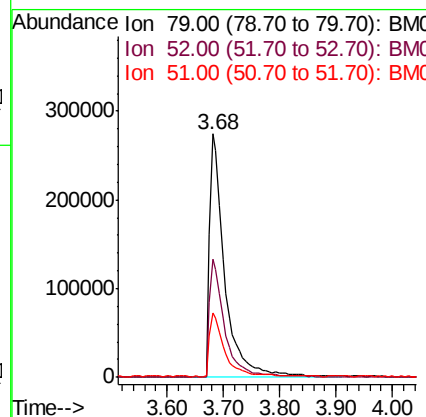
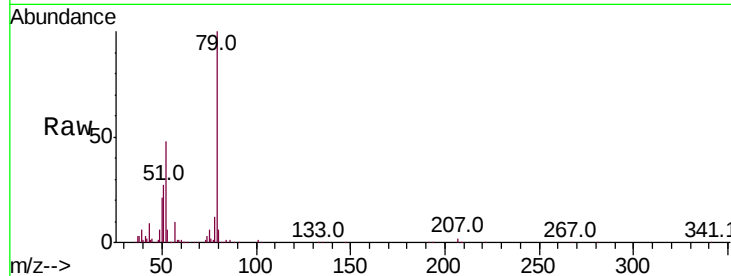
ClientSampleId :

HD-01-012819MSD

Tot Ion:	79	Resp:	518087
Ion Ratio	Lower	Upper	
79	100		
52	48.4	56.4	84.6#
51	26.6	31.0	46.4#

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#4

n-Nitrosodimethylamine

Concen: 37.057 ng

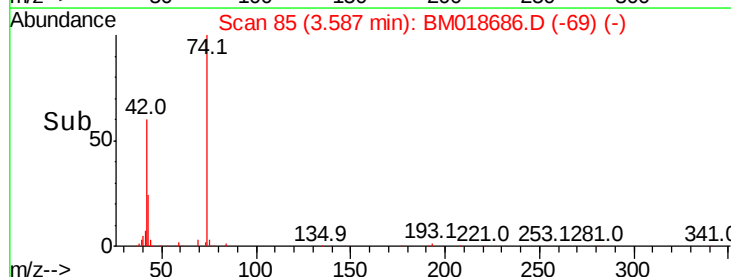
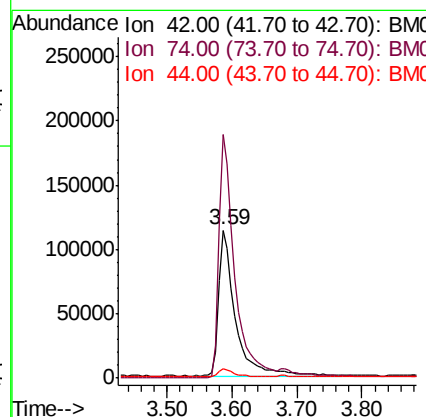
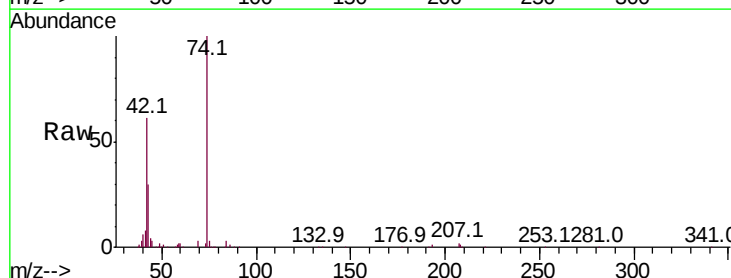
RT: 3.59 min Scan# 85

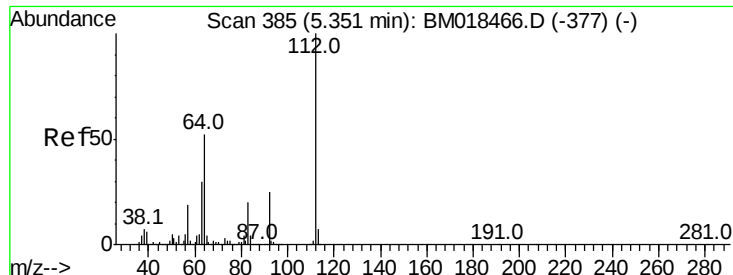
Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Tgt Ion:	42	Resp:	204480
Ion Ratio	Lower	Upper	
42	100		
74	164.7	88.6	132.8#
44	6.4	16.9	25.3#





#5

2-Fluorophenol

Concen: 125.944 ng

RT: 5.32 min Scan# 380

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

ClientSampleId :

HD-01-012819MSD

Tot Ion: 112 Resp: 1653897

Ion Ratio Lower Upper

112 100

64 55.8 46.5 69.7

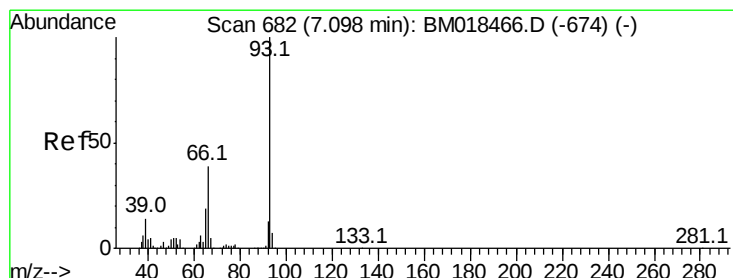
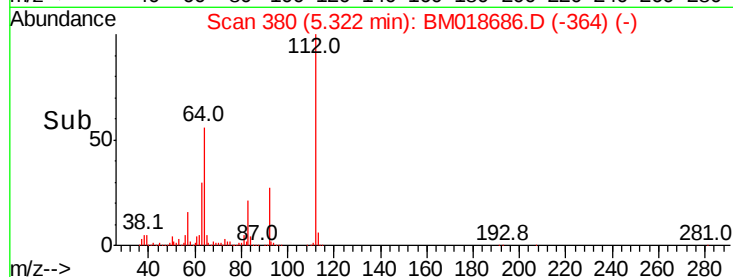
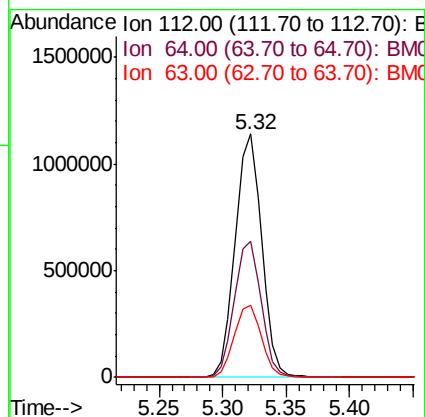
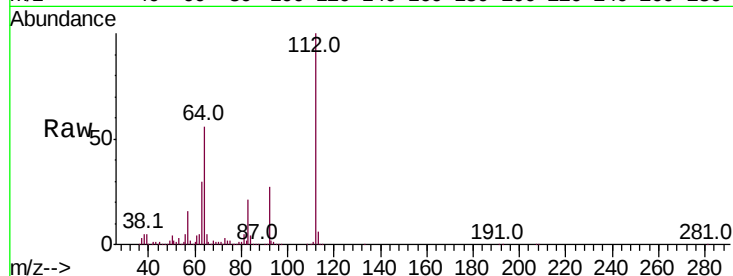
63 29.5 25.2 37.8

Manual Integrations

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1/30/2019 11:10:43 AM



#6

Aniline

Concen: 7.539 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

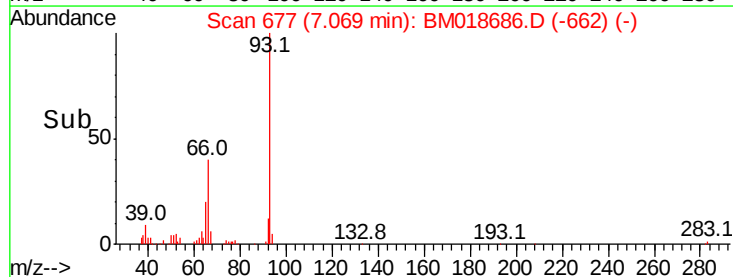
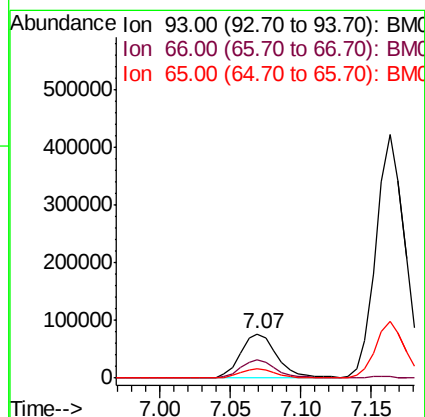
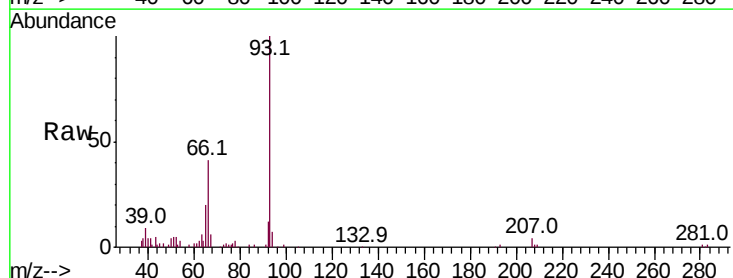
Tgt Ion: 93 Resp: 140261

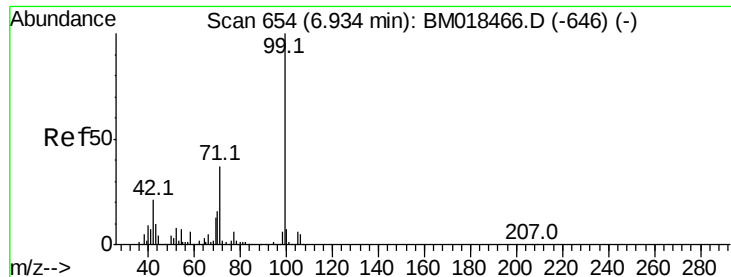
Ion Ratio Lower Upper

93 100

66 41.5 31.7 47.5

65 20.5 15.9 23.9





#7

Phenol-d6

Concen: 114.509 ng

RT: 6.90 min Scan# 649

Delta R.T. -0.01 min

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Tot Ion: 99 Resp: 1909923

Ion Ratio Lower Upper

99 100

42 14.5 17.3 25.9#

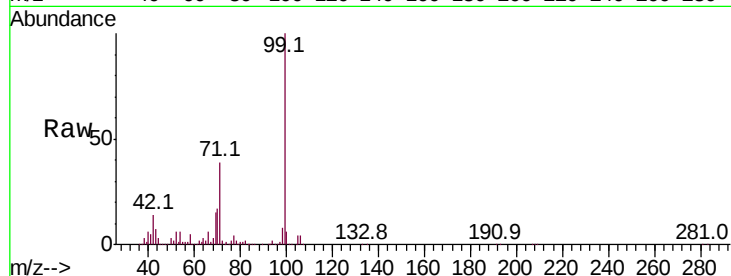
71 39.2 28.0 42.0

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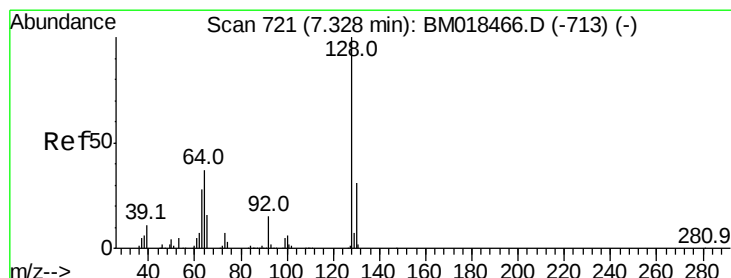
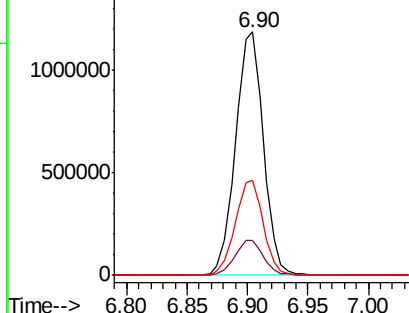
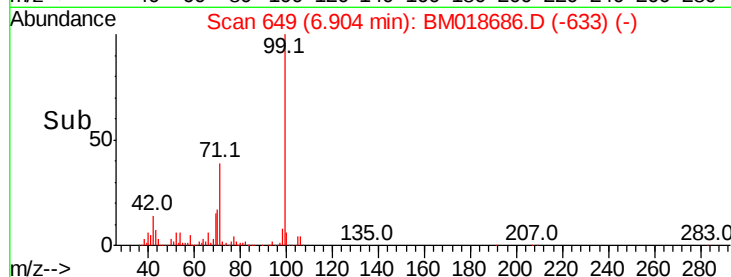
1/30/2019 11:10:43 AM



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#8

2-Chlorophenol

Concen: 42.718 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

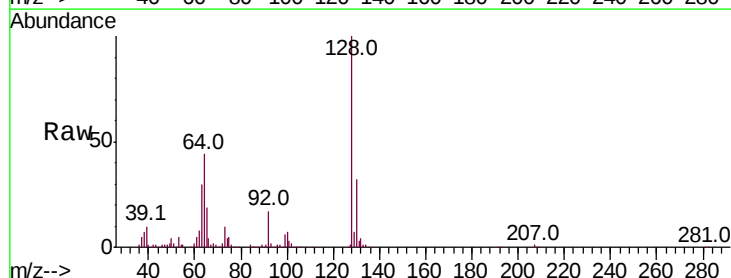
Tgt Ion: 128 Resp: 655168

Ion Ratio Lower Upper

128 100

130 32.2 13.6 53.6

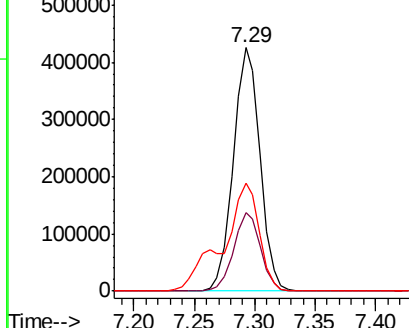
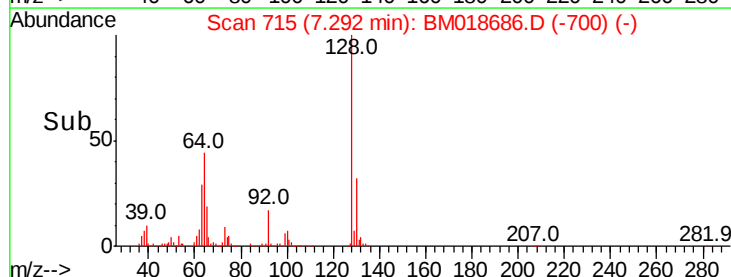
64 44.2 24.8 64.8

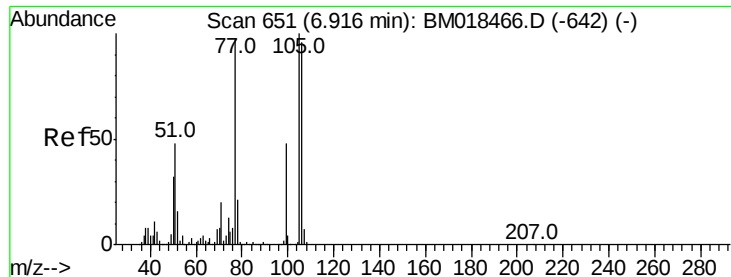


Abundance Ion 128.00 (127.70 to 128.70): BM018466.D (-713) (-)

Ion 130.00 (129.70 to 130.70): BM018466.D (-713) (-)

Ion 64.00 (63.70 to 64.70): BM018466.D (-713) (-)





#9

Benzaldehyde

Concen: 58.358 ng

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

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Instrument :

BNA_M

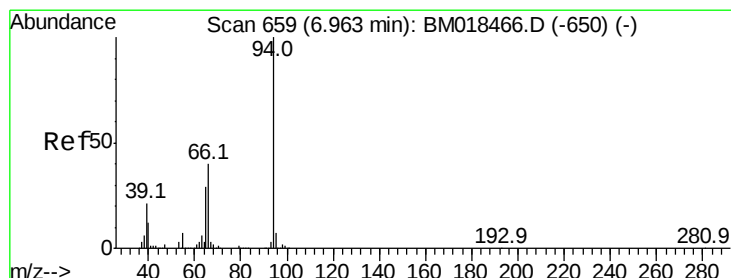
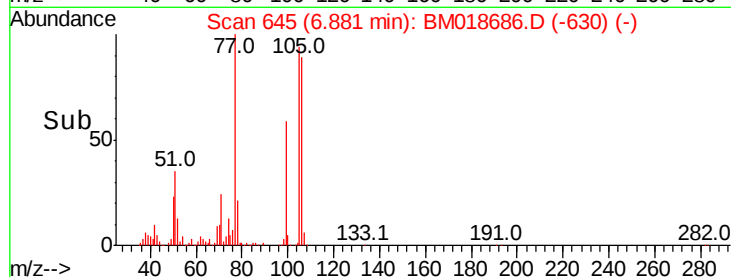
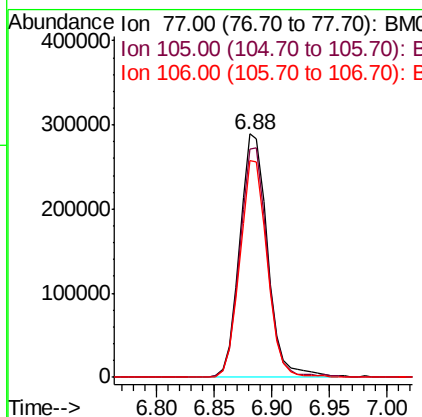
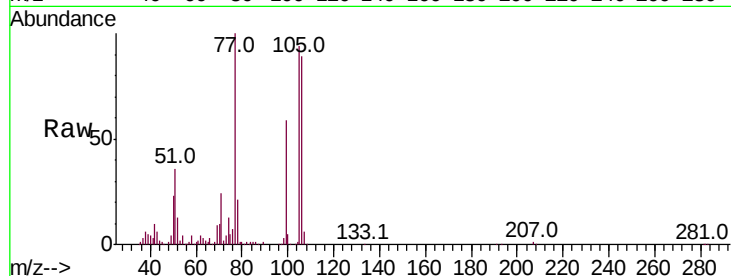
ClientSampleId :

HD-01-012819MSD

Tot Ion:	77	Resp:	487004
Ion	Ratio	Lower	Upper
77	100		
105	93.6	79.7	119.7
106	89.0	75.2	115.2

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#10

Phenol

Concen: 38.762 ng

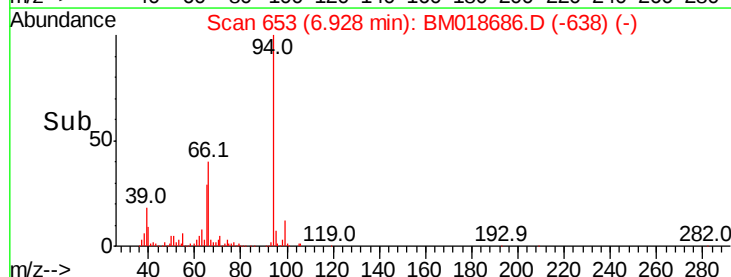
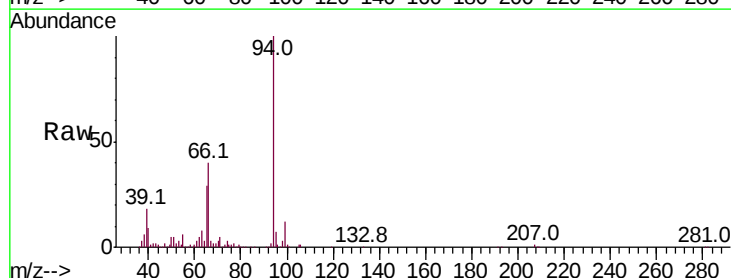
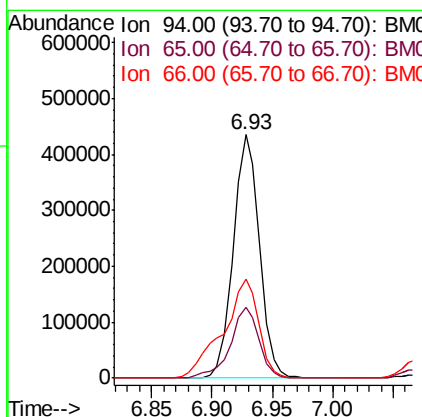
RT: 6.93 min Scan# 653

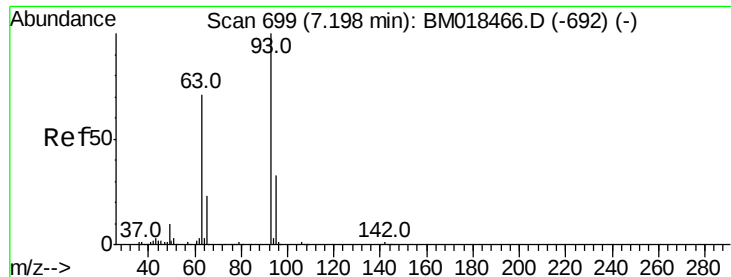
Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Tgt Ion:	94	Resp:	656980
Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.4	49.4
66	40.5	19.1	59.1





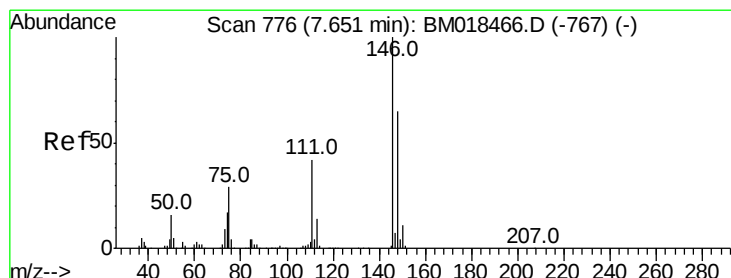
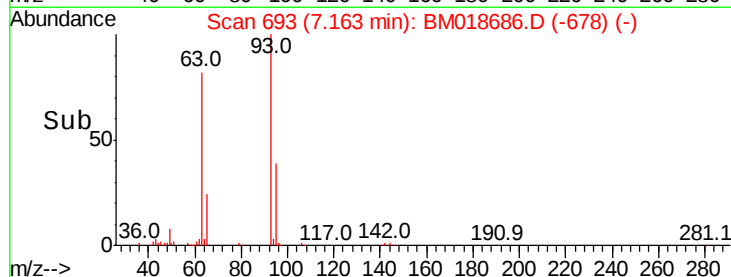
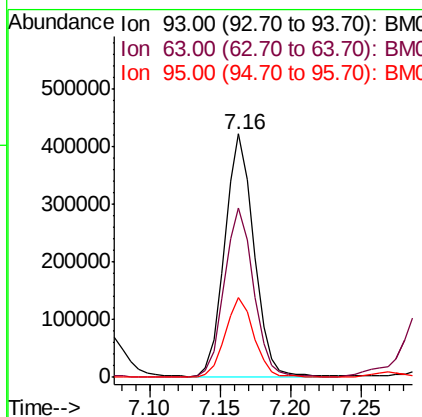
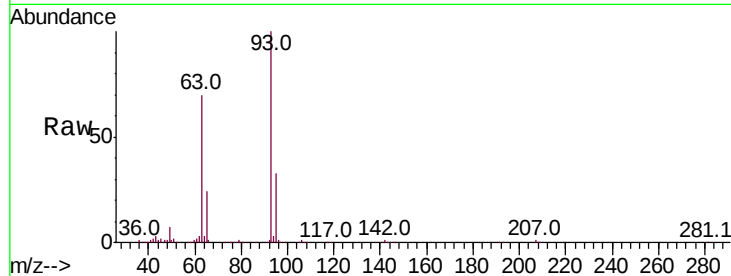
#11
bis(2-Chloroethyl)ether
Concen: 45.332 ng
RT: 7.16 min Scan# 693
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	69.8	56.4	96.4
95	32.9	12.7	52.7

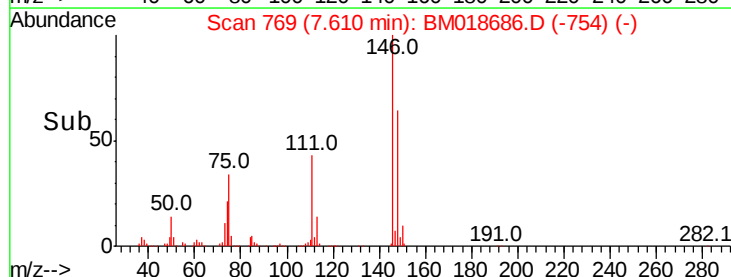
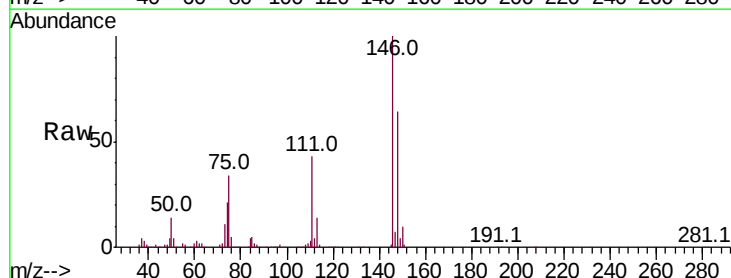
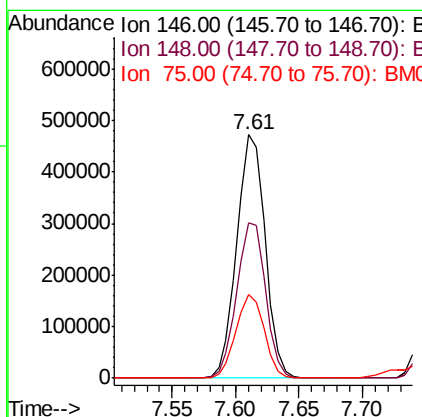
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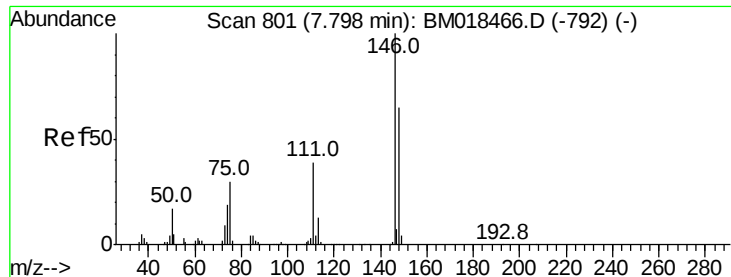
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#12
1,3-Dichlorobenzene
Concen: 40.193 ng
RT: 7.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
75	34.5	23.0	34.6





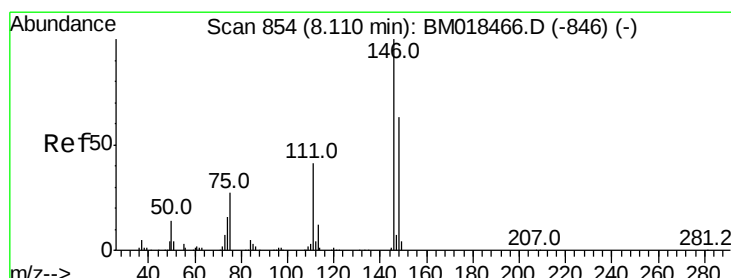
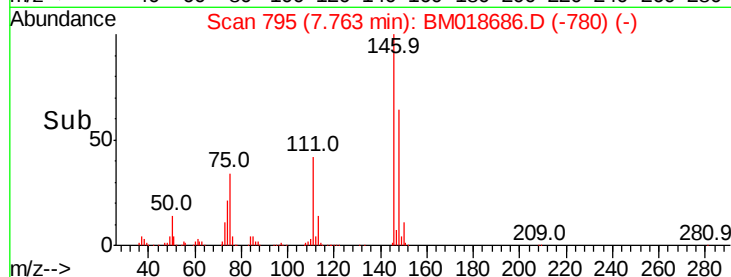
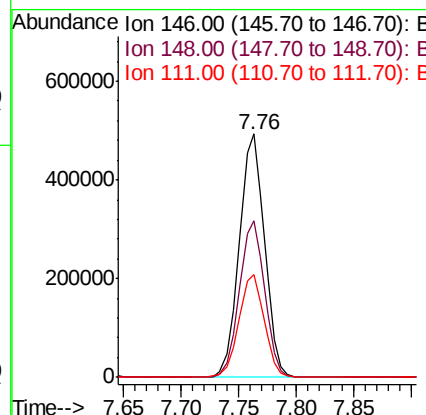
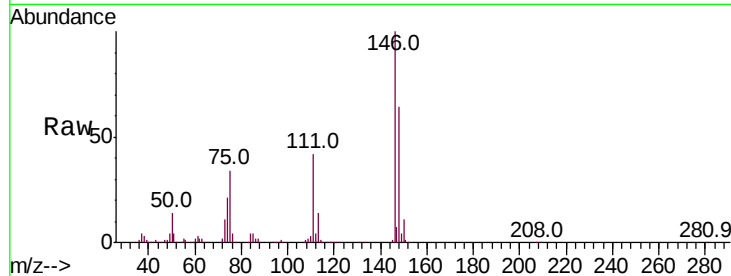
#13
1,4-Dichlorobenzene
Concen: 40.339 ng
RT: 7.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	42.2	32.2	48.2

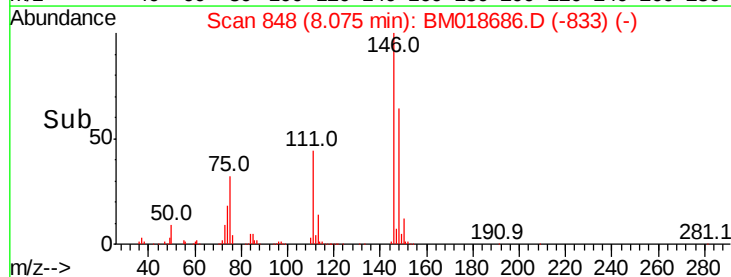
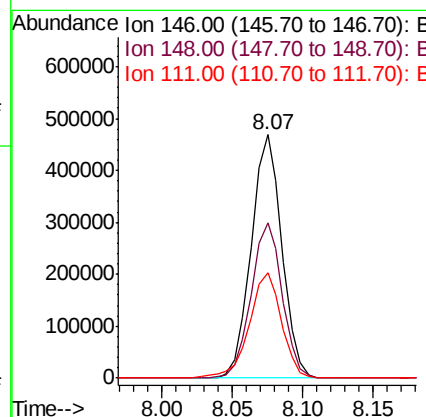
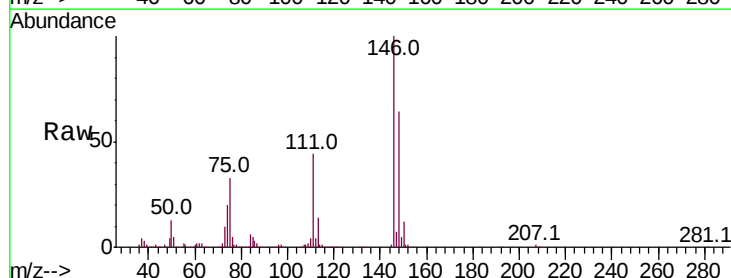
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#14
1,2-Dichlorobenzene
Concen: 40.677 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
111	43.5	33.8	50.6





#15

Benzyl Alcohol

Concen: 48.657 ng

RT: 7.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

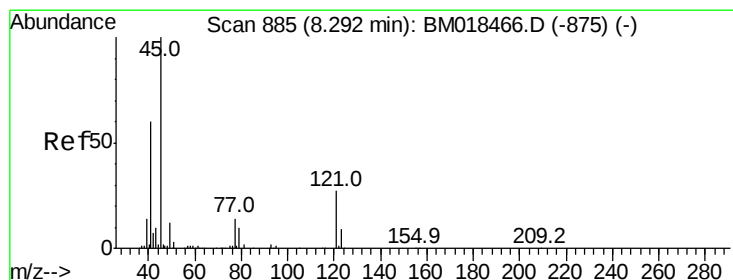
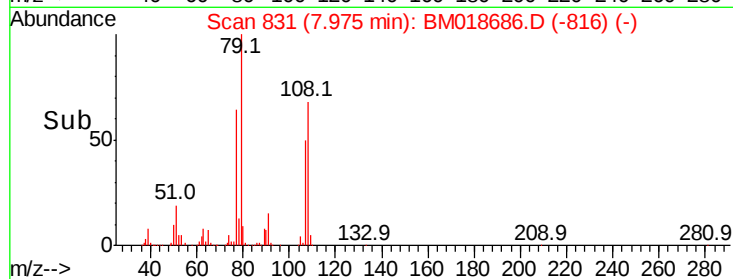
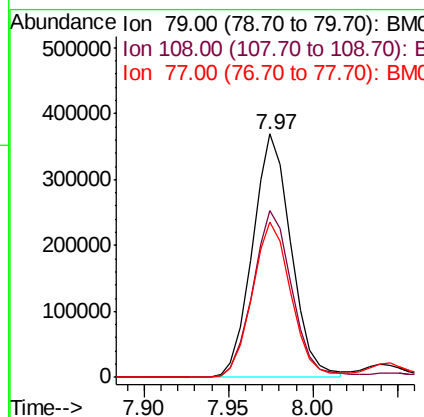
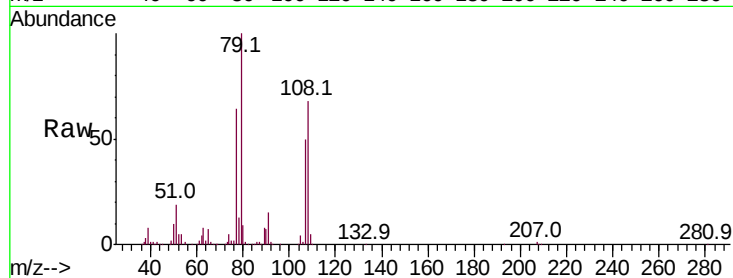
ClientSampleId :

HD-01-012819MSD

Tot Ion:	79	Resp:	586156
Ion Ratio	Lower	Upper	
79	100		
108	68.3	60.4	90.6
77	63.7	53.4	80.2

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.091 ng

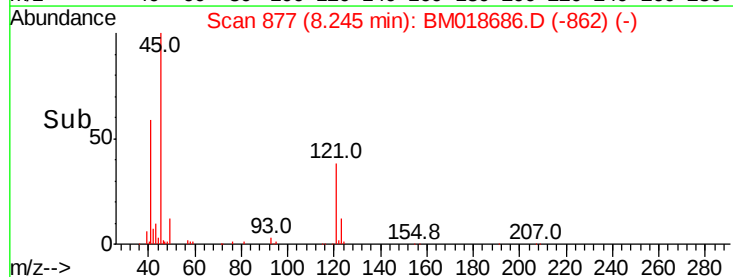
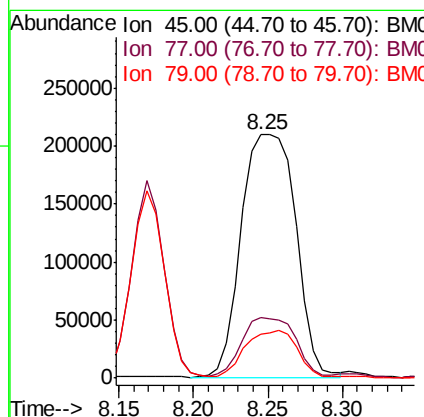
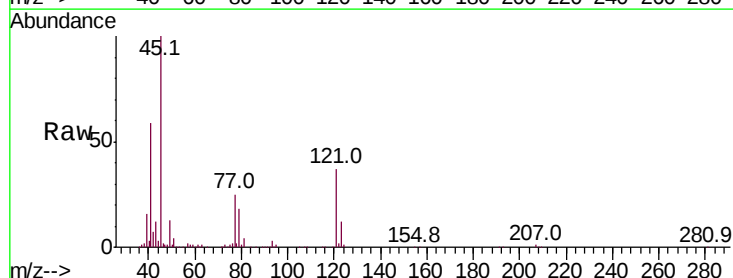
RT: 8.25 min Scan# 877

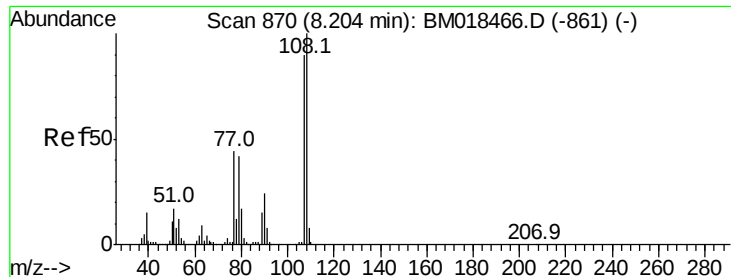
Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Tgt Ion:	45	Resp:	529144
Ion Ratio	Lower	Upper	
45	100		
77	24.9	0.0	33.4
79	17.9	0.0	31.1





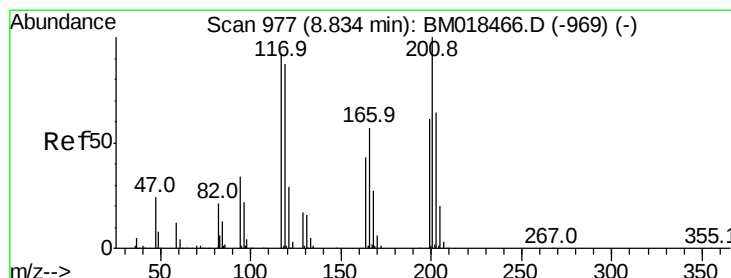
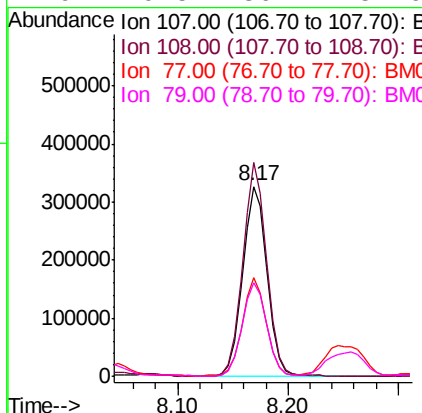
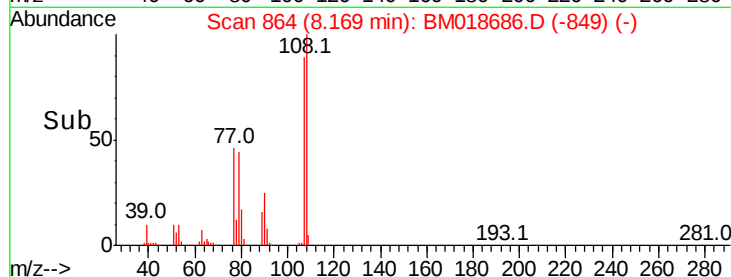
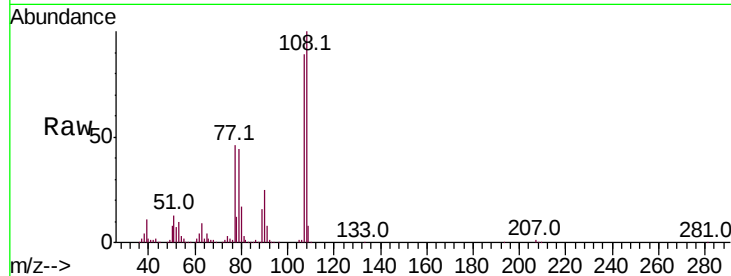
#17
2-Methylphenol
Concen: 43.700 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.5	87.5	131.3	
77	52.2	37.3	55.9	
79	49.5	36.4	54.6	

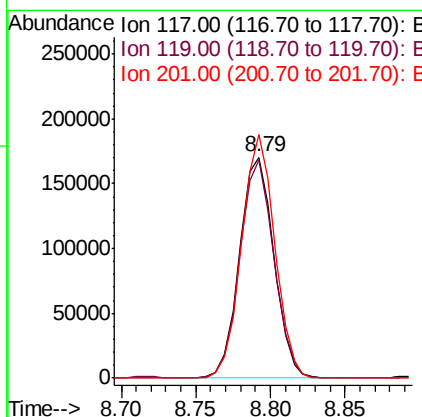
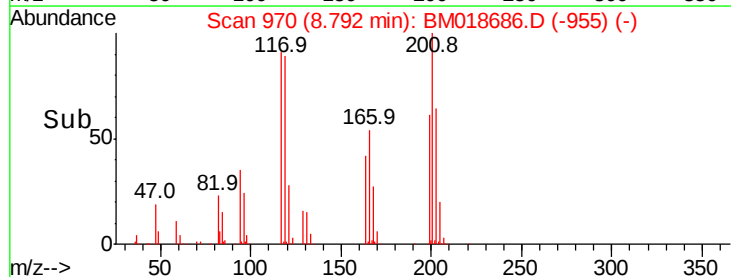
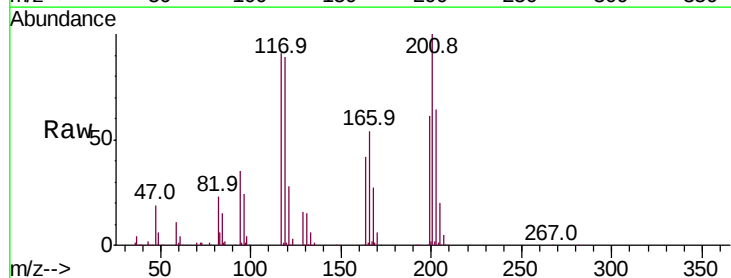
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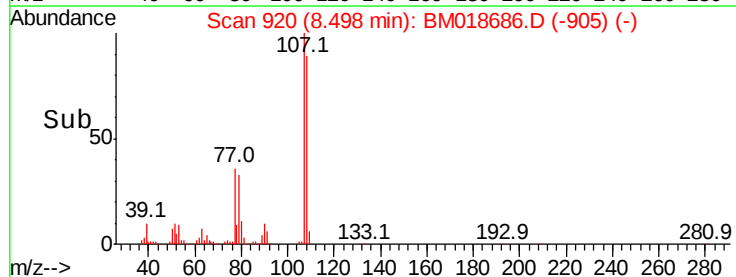
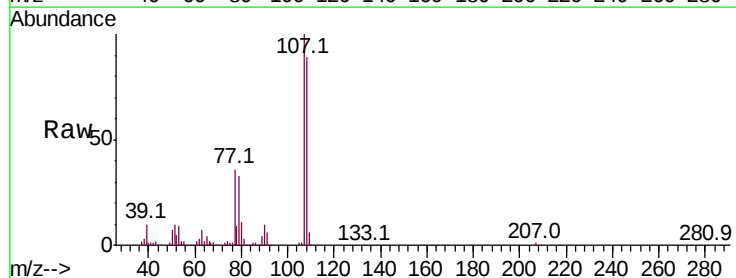
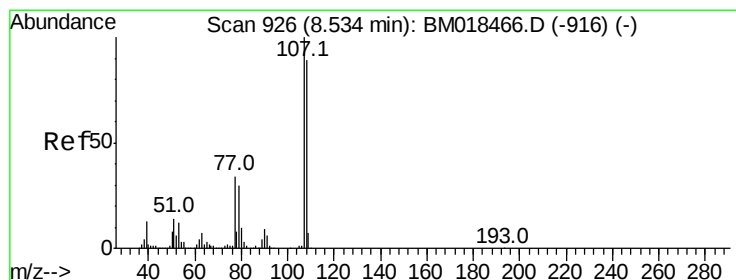
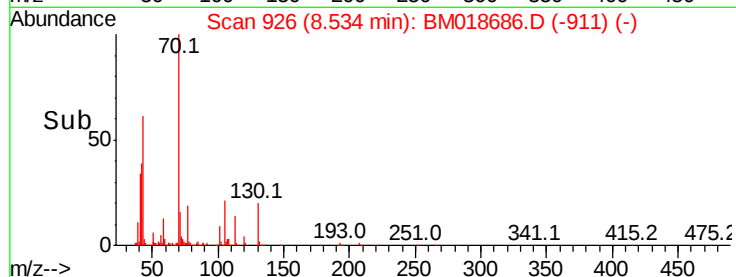
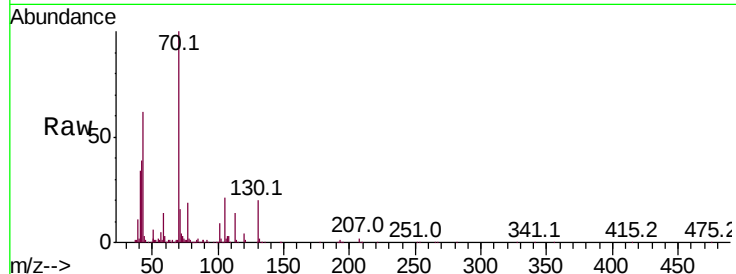
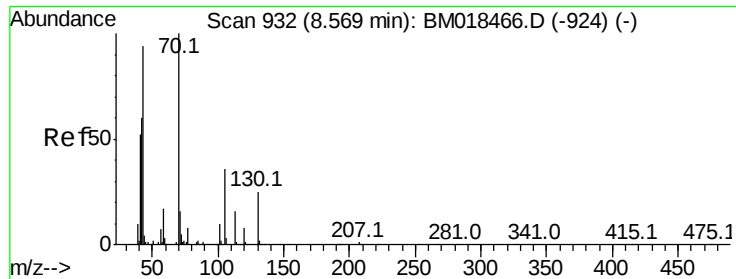
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#18
Hexachloroethane
Concen: 41.094 ng
RT: 8.79 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.5	78.3	117.5	
201	110.3	81.4	122.0	





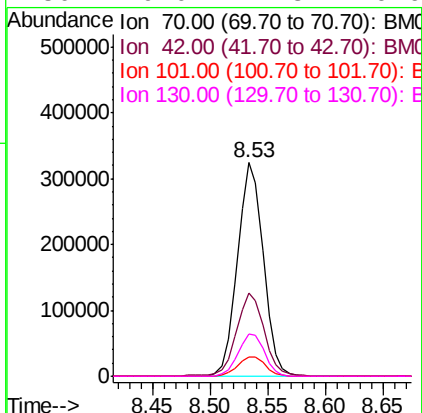
#19
n-Nitroso-di-n-propylamine
Concen: 46.362 ng
RT: 8.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	38.7	54.0	81.0#
101	9.1	8.1	12.1
130	20.0	17.8	26.6

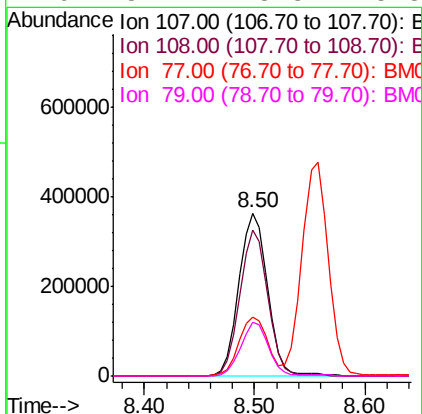
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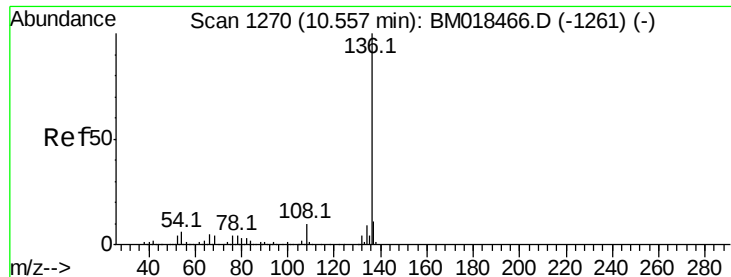
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#20
3+4-Methylphenols
Concen: 41.806 ng
RT: 8.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	66.8	106.8
77	35.8	13.3	53.3
79	32.7	8.8	48.8





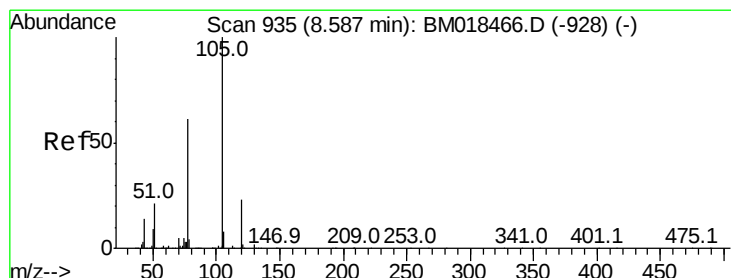
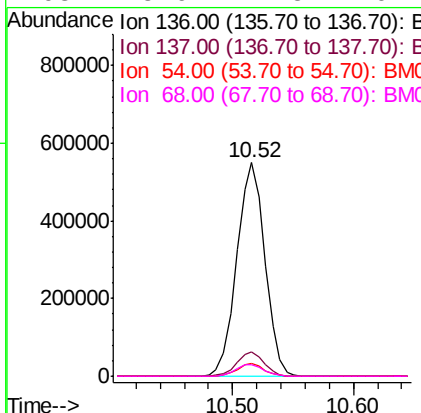
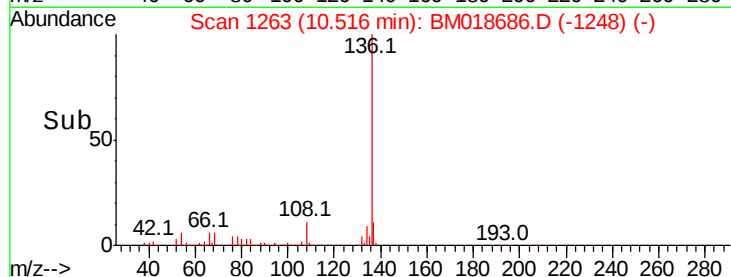
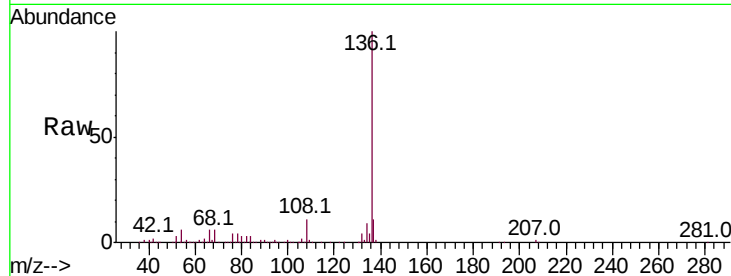
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.52 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	5.8	6.0	9.0	
68	5.6	4.5	6.7	

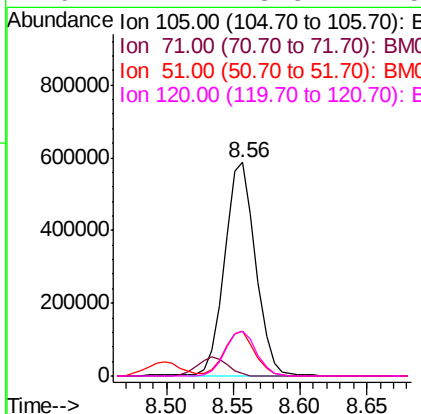
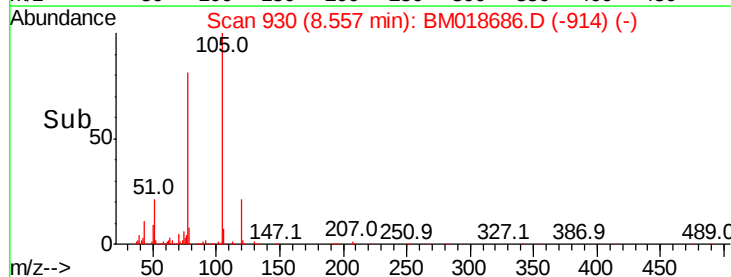
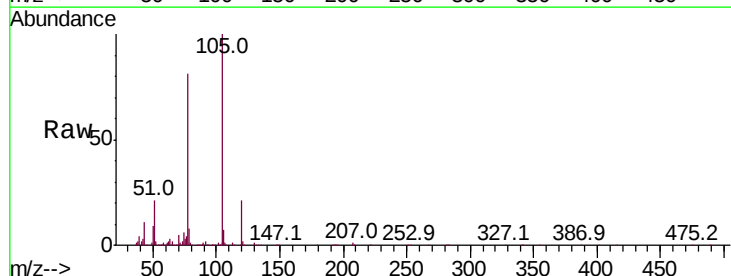
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#22
Acetophenone
Concen: 42.809 ng
RT: 8.56 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.9	1.7	2.5	
51	20.9	22.6	34.0	
120	21.2	18.3	27.5	





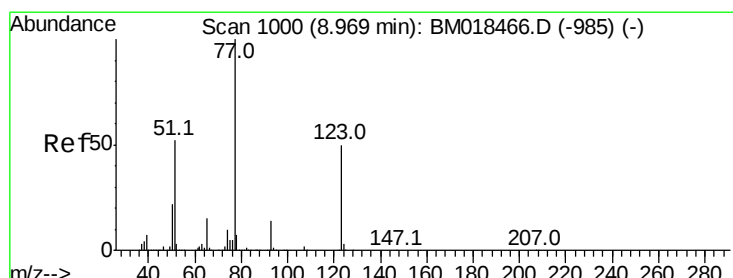
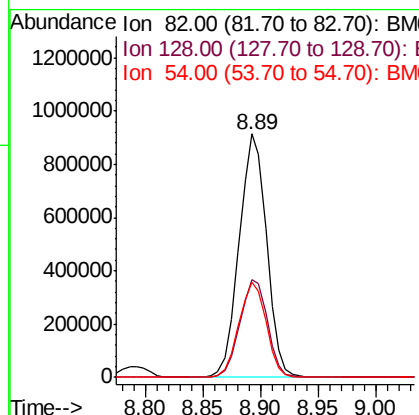
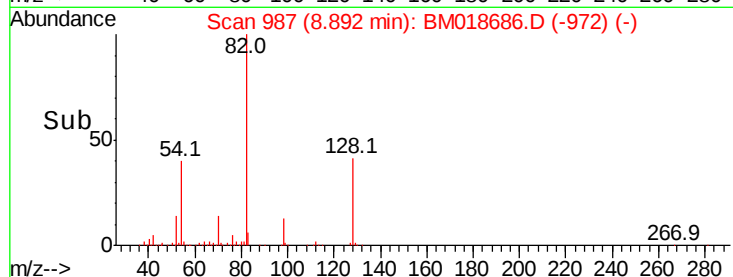
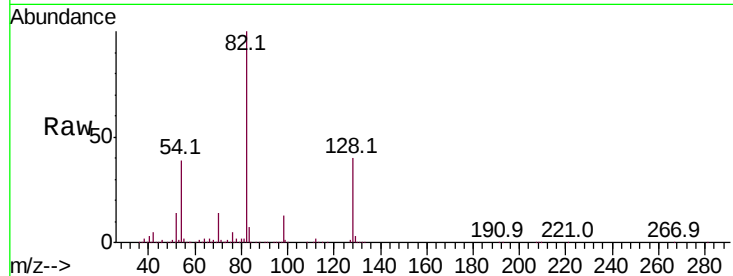
#23
Nitrobenzene-d5
Concen: 97.492 ng
RT: 8.89 min Scan# 987
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	82	Resp	1502780
Ion Ratio	100	Lower	Upper
82	100		
128	40.3	36.3	54.5
54	38.9	41.7	62.5

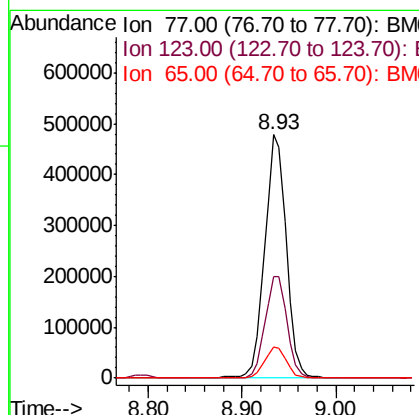
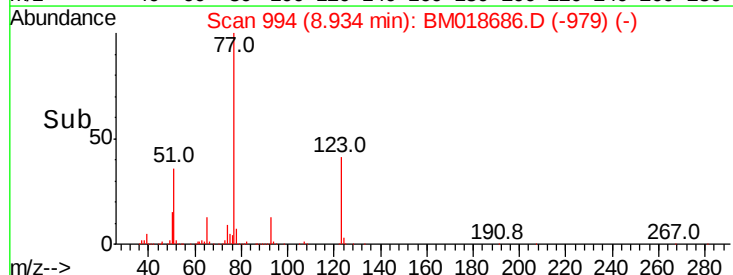
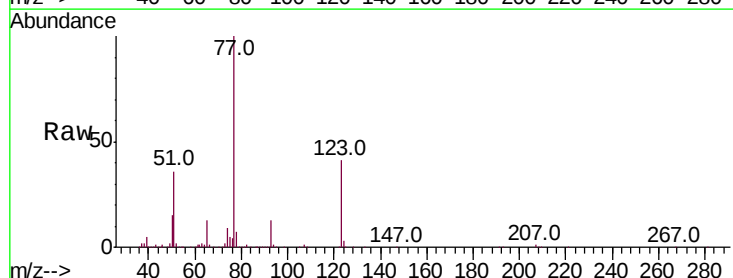
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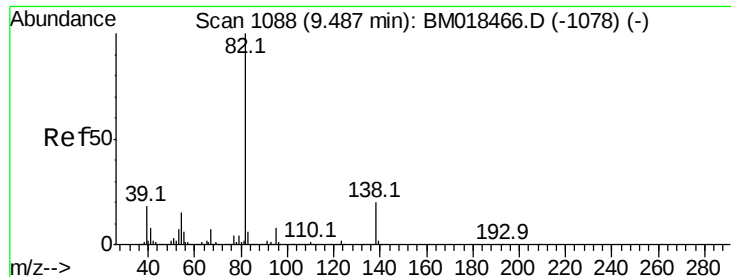
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#24
Nitrobenzene
Concen: 49.793 ng
RT: 8.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	77	Resp	755199
Ion Ratio	100	Lower	Upper
77	100		
123	41.5	37.7	56.5
65	12.9	11.0	16.6





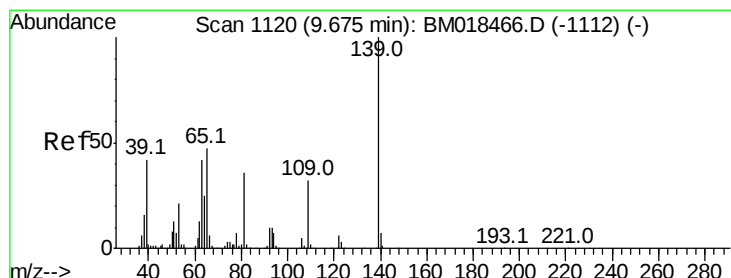
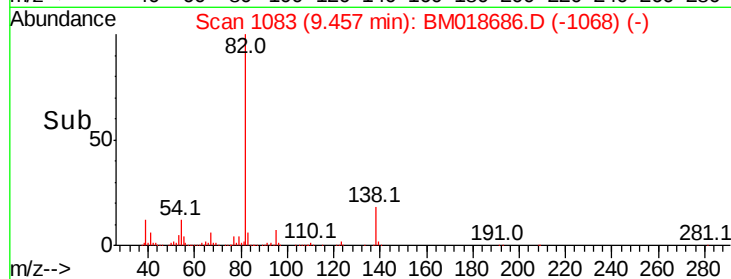
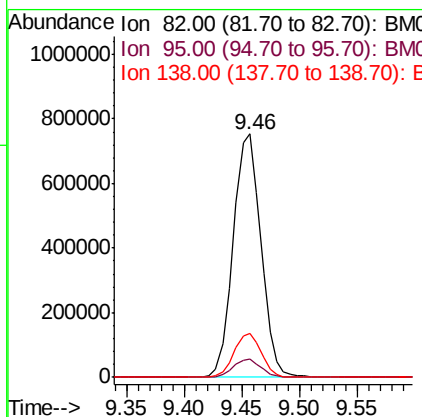
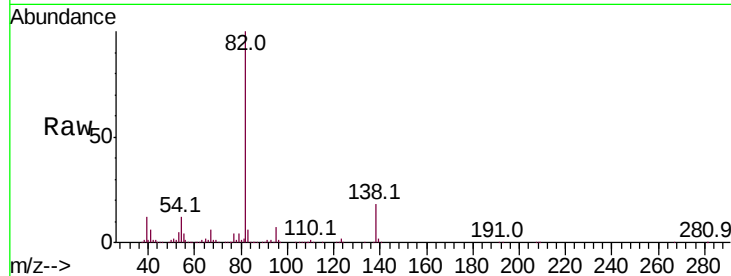
#25
Isophorone
Concen: 53.824 ng
RT: 9.46 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	18.0	15.1	22.7

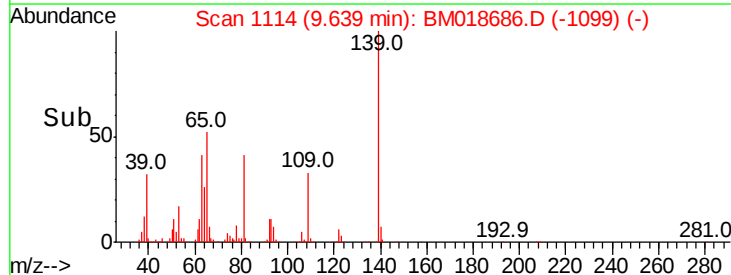
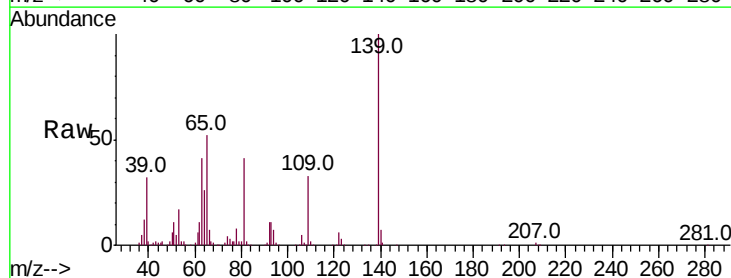
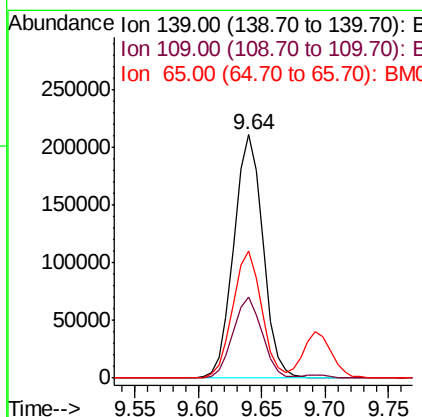
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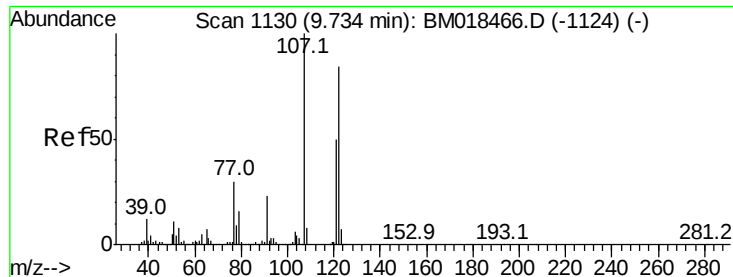
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#26
2-Nitrophenol
Concen: 45.742 ng
RT: 9.64 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
139	100		
109	33.4	23.4	35.2
65	52.1	39.4	59.2





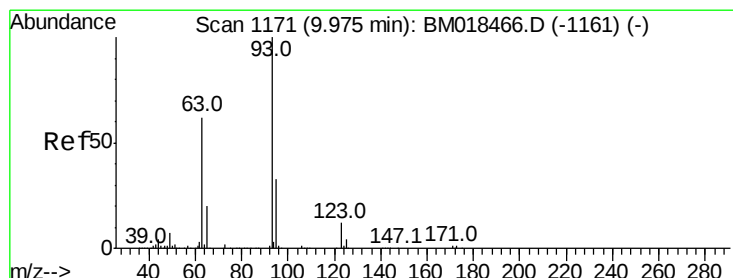
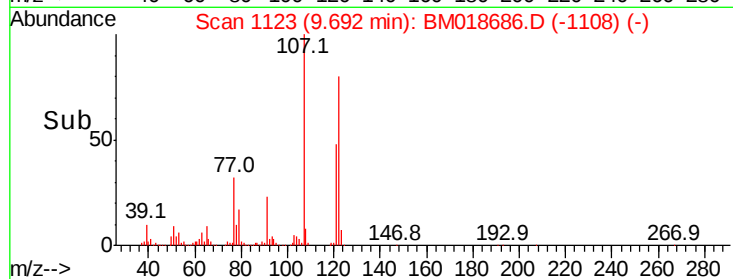
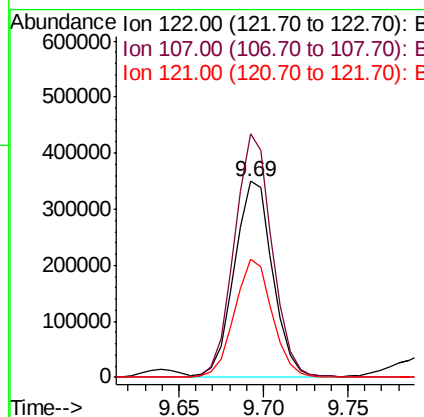
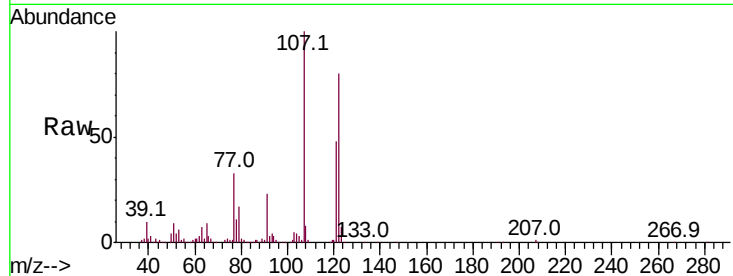
#27
2,4-Dimethylphenol
Concen: 49.790 ng
RT: 9.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	124.3	91.9	137.9
121	60.2	47.5	71.3

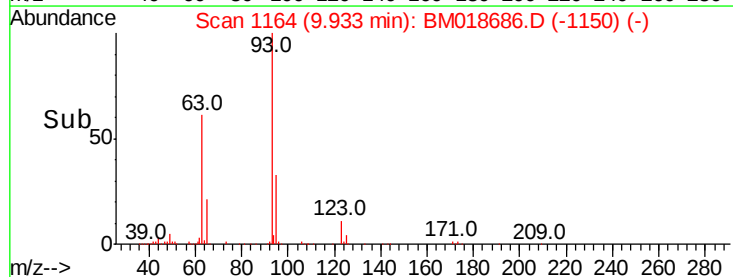
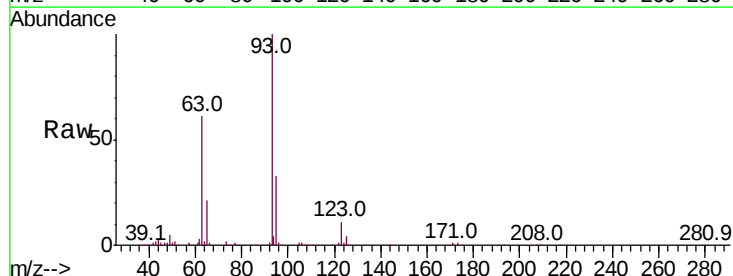
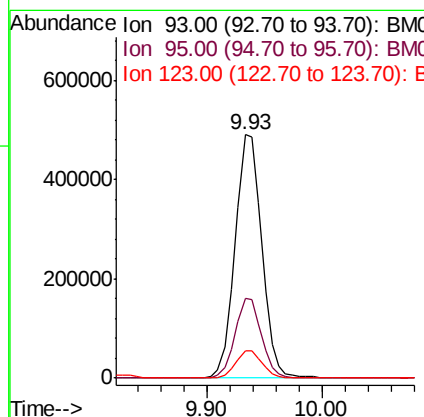
Manual Integrations
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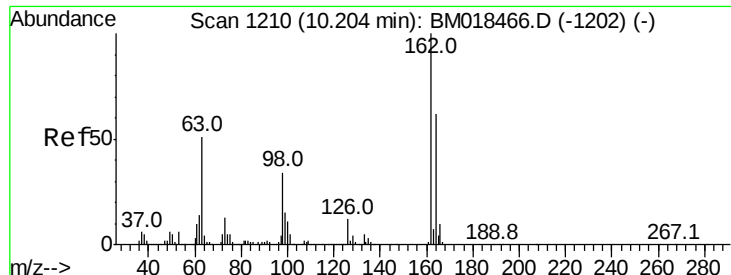
mohammad
1/30/2019 11:10:43 AM



#28
bis(2-Chloroethoxy)methane
Concen: 48.766 ng
RT: 9.93 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.6	39.8
123	11.3	9.9	14.9





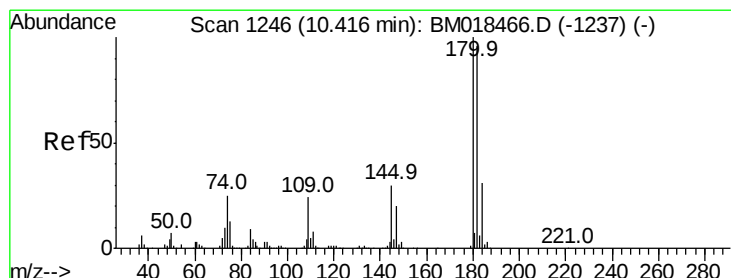
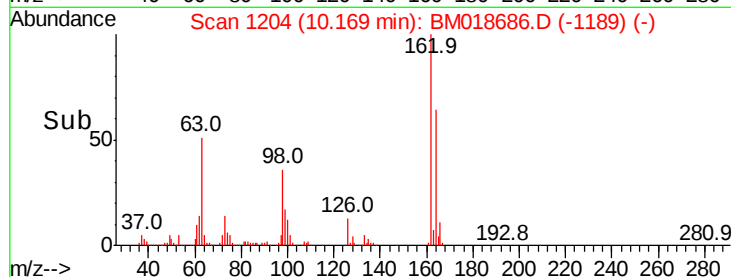
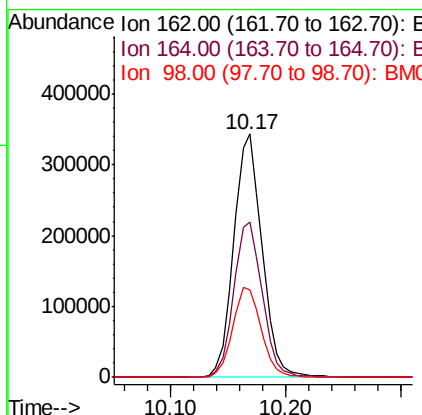
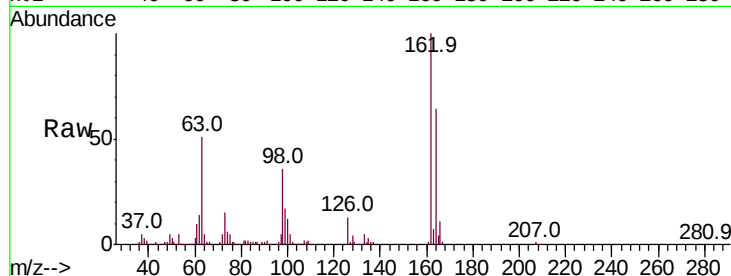
#29
 2,4-Dichlorophenol
 Concen: 44.550 ng
 RT: 10.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		583120		
164	63.6	45.6	85.6		
98	35.9	14.7	54.7		

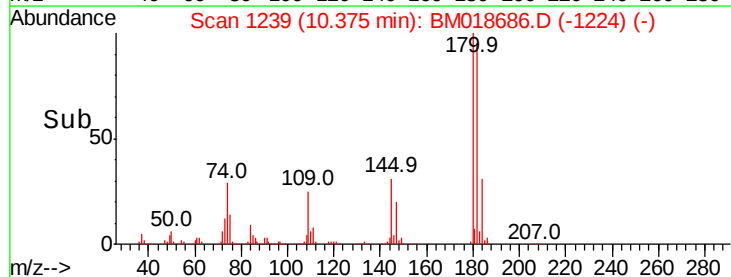
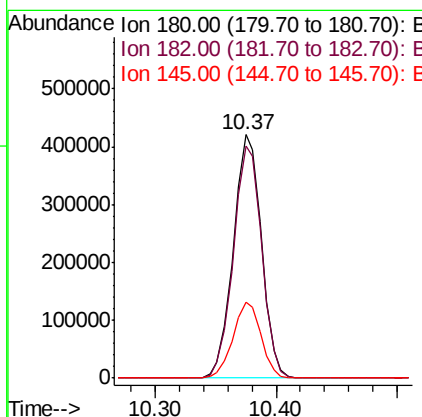
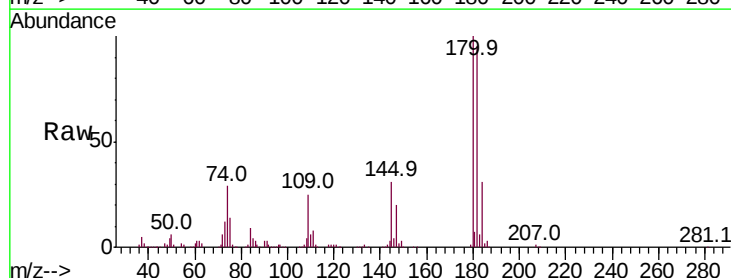
Manual Integrations
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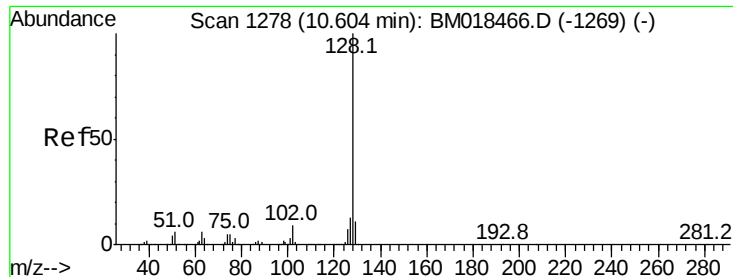
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 42.102 ng
 RT: 10.37 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		684016		
182	95.3	77.4	116.2		
145	30.9	24.6	37.0		





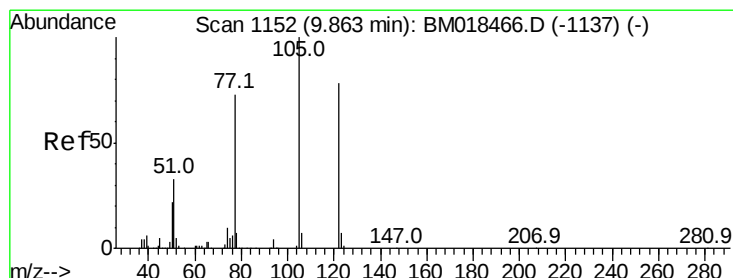
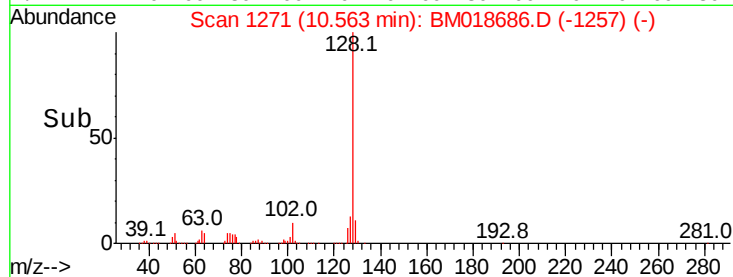
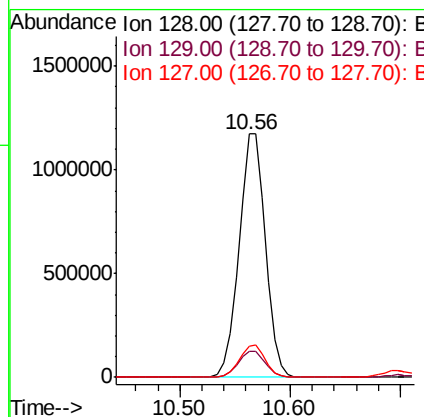
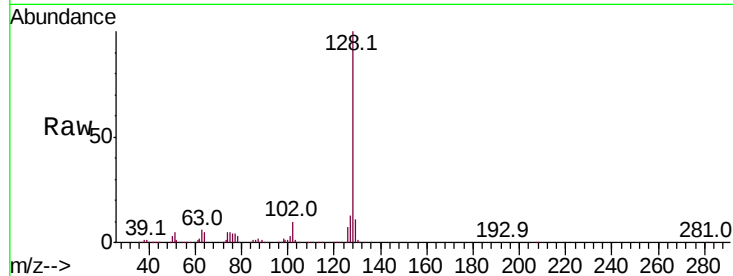
#31
Naphthalene
Concen: 45.716 ng
RT: 10.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.9	10.8	16.2

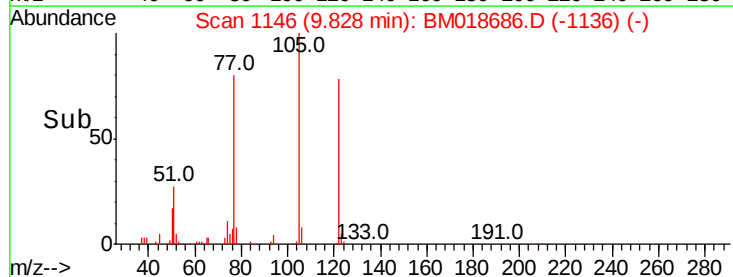
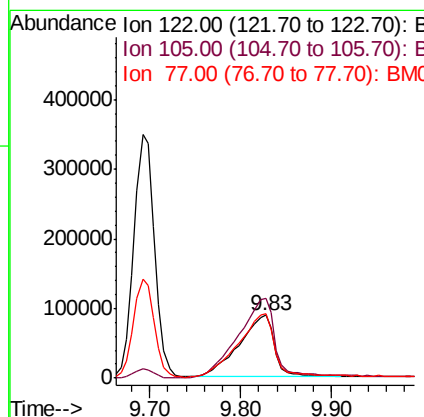
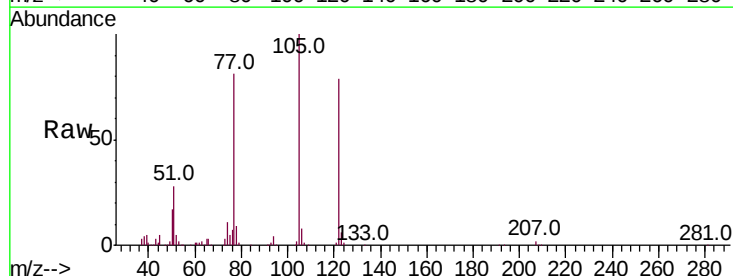
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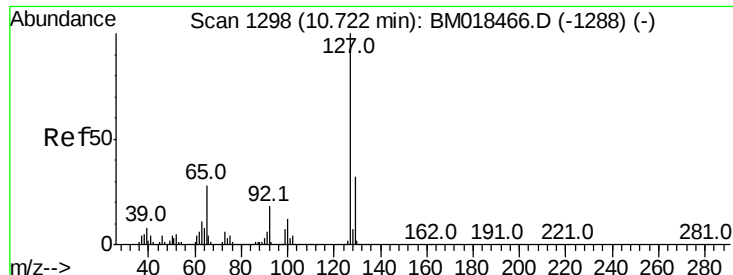
mohammad
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#32
Benzoic acid
Concen: 34.900 ng m
RT: 9.83 min Scan# 1146
Delta R.T. -0.04 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	127.2	100.4	140.4
77	103.0	71.7	111.7





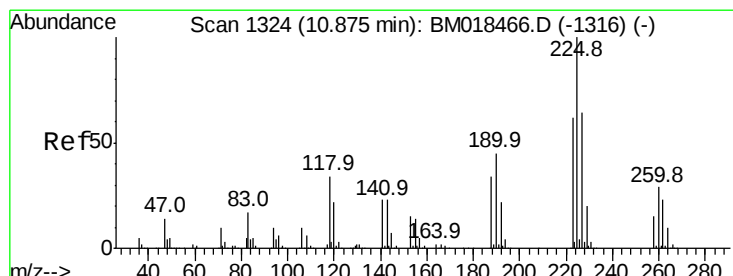
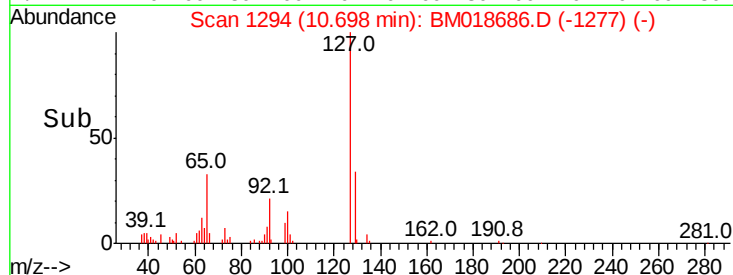
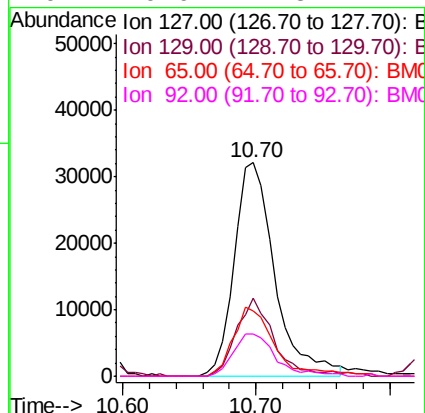
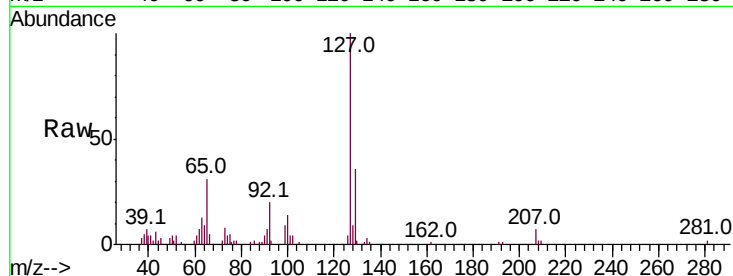
#33
4-Chloroaniline
Concen: 4.012 ng
RT: 10.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	36.4	25.9	38.9		
65	30.8	23.4	35.2		
92	19.9	14.5	21.7		

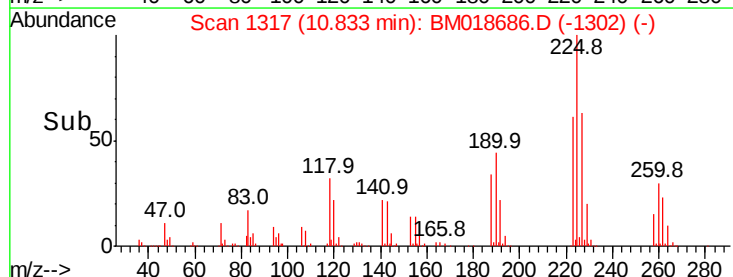
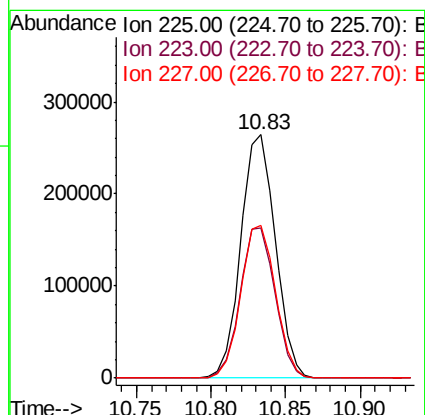
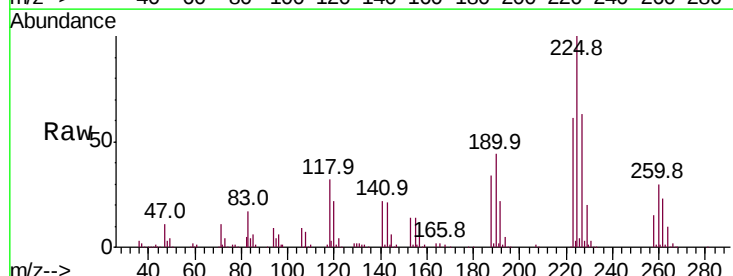
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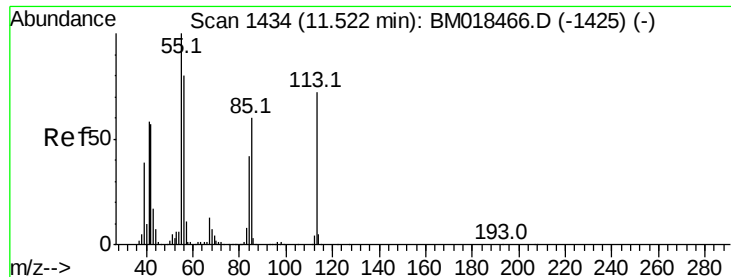
mohammad
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#34
Hexachlorobutadiene
Concen: 41.332 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.5	50.8	76.2		
227	62.8	50.4	75.6		





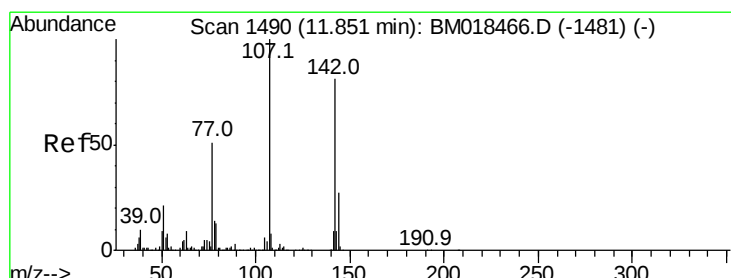
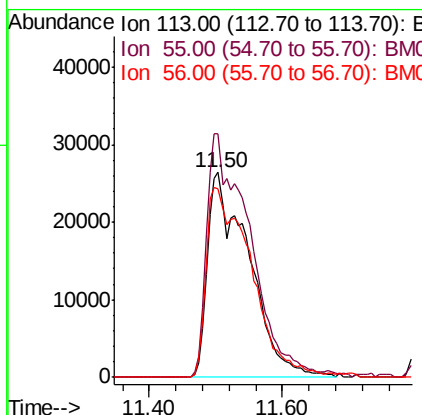
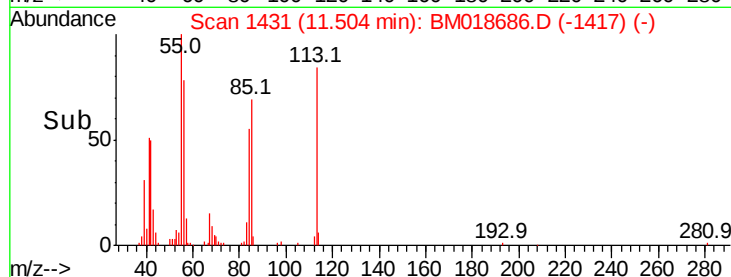
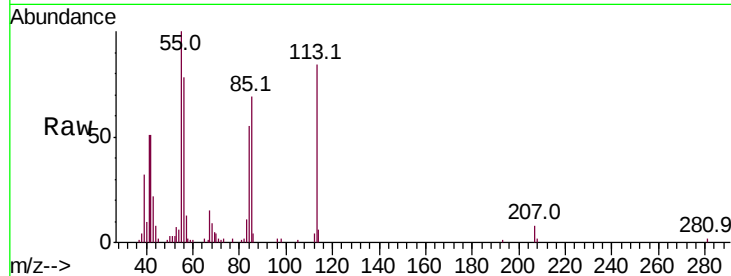
#35
Caprolactam
Concen: 25.336 ng/ml
RT: 11.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion:113 Resp: 112750
Ion Ratio Lower Upper
113 100
55 118.5 139.3 179.3#
56 92.0 101.4 141.4#

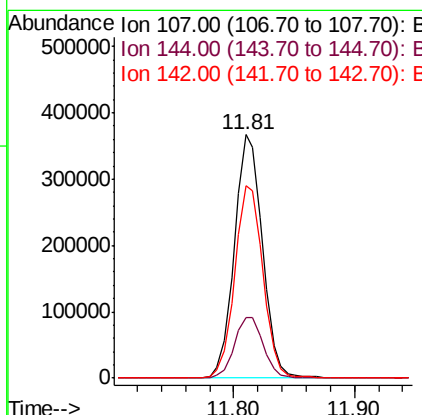
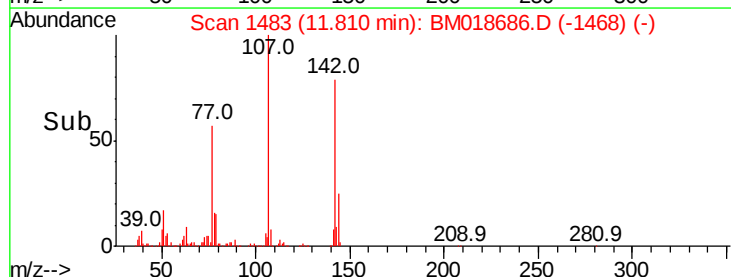
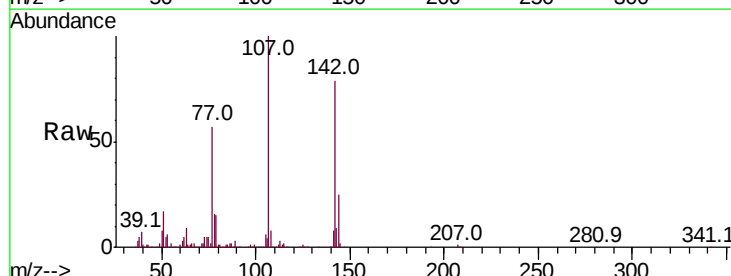
Manual Integrations
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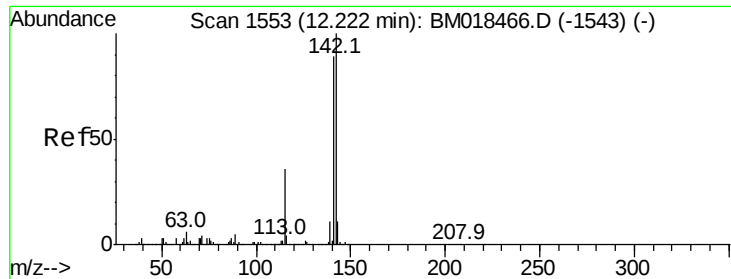
mohammad
1/30/2019 11:10:43 AM



#36
4-Chloro-3-methylphenol
Concen: 43.331 ng
RT: 11.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion:107 Resp: 595036
Ion Ratio Lower Upper
107 100
144 24.7 21.9 32.9
142 78.8 67.9 101.9





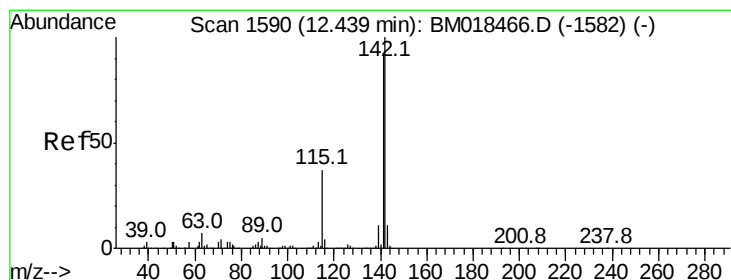
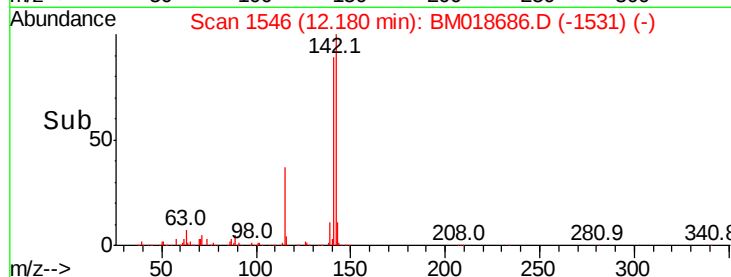
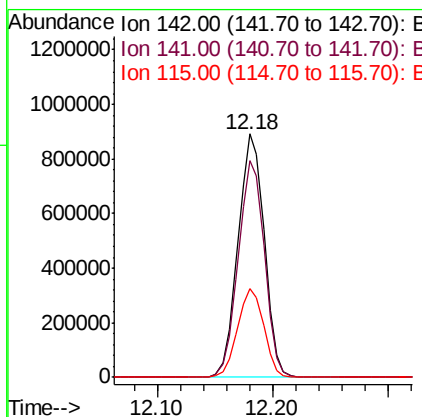
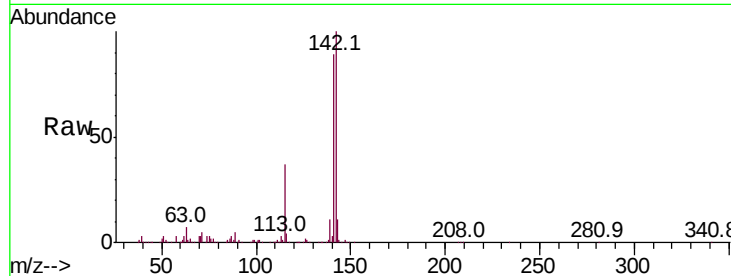
#37
2-Methylnaphthalene
Concen: 46.151 ng
RT: 12.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.4	107.2
115	36.6	28.0	42.0

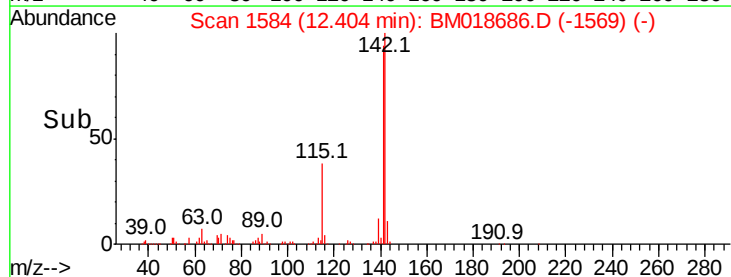
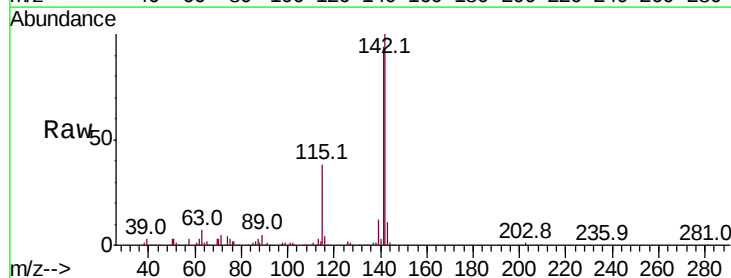
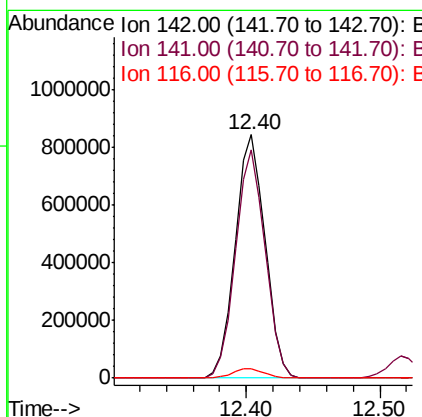
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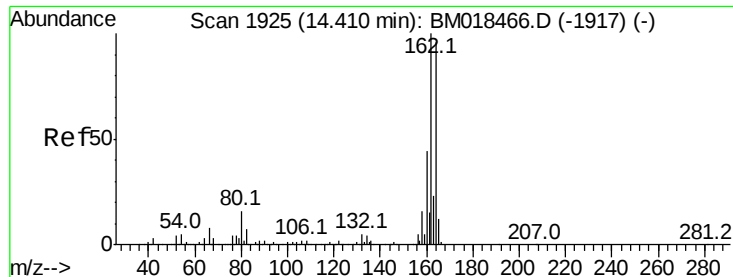
mohammad
1/30/2019 11:10:43 AM



#38
1-Methylnaphthalene
Concen: 44.506 ng
RT: 12.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	75.6	113.4
116	4.1	3.0	4.6





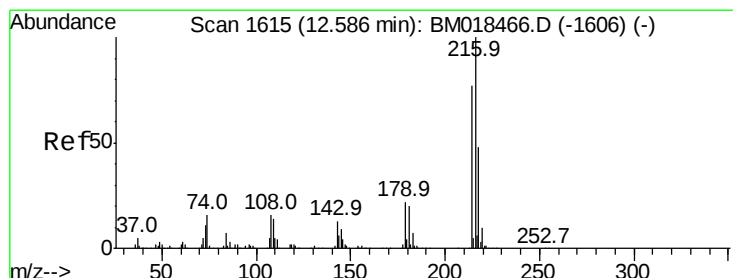
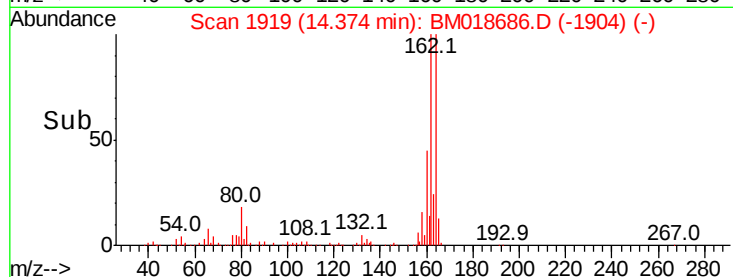
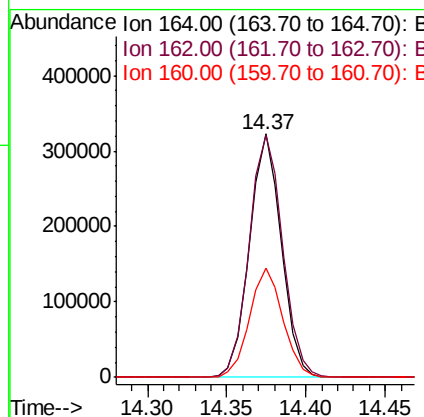
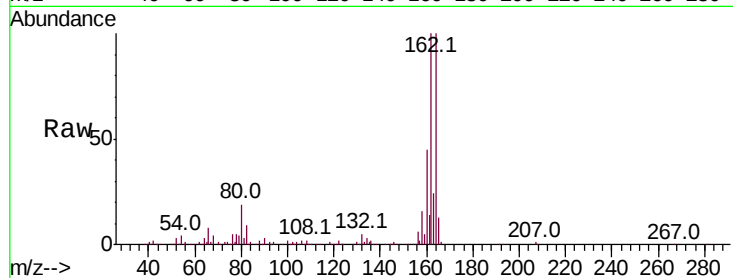
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.37 min Scan# 1919
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.6	83.0	124.4	
160	44.9	37.1	55.7	

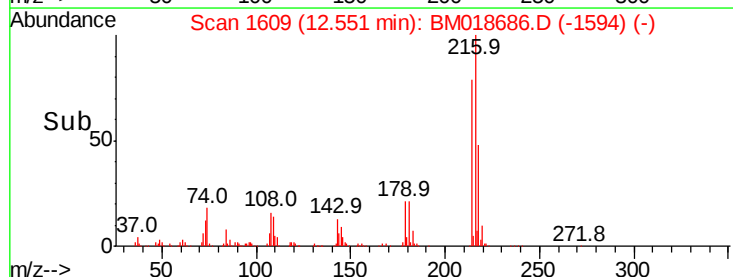
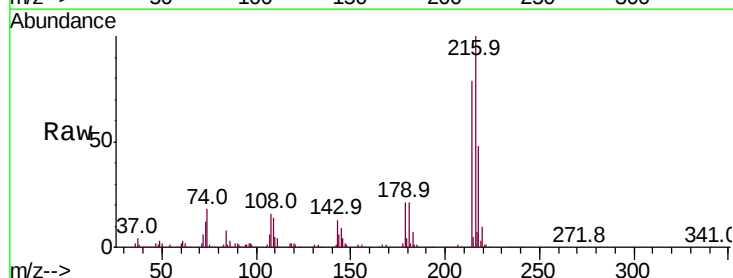
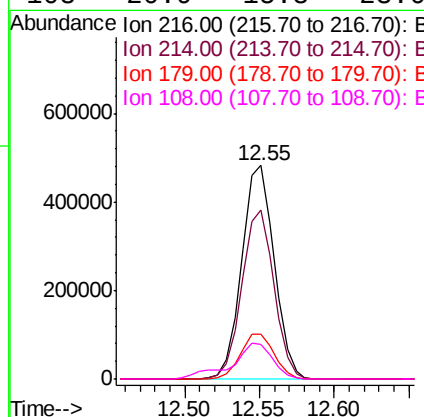
Manual Integrations
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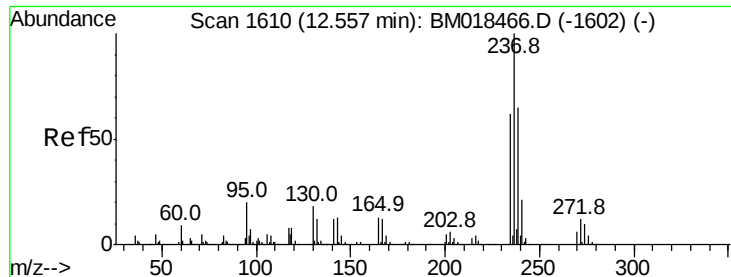
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.062 ng
RT: 12.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.2	63.4	95.0	
179	21.7	17.9	26.9	
108	20.9	15.8	23.6	





#41

Hexachlorocyclopentadiene

Concen: 106.605 ng

RT: 12.52 min Scan# 1603

Delta R.T. -0.02 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

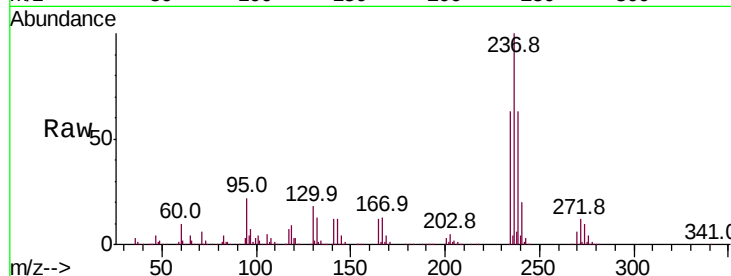
ClientSampleId :

HD-01-012819MSD

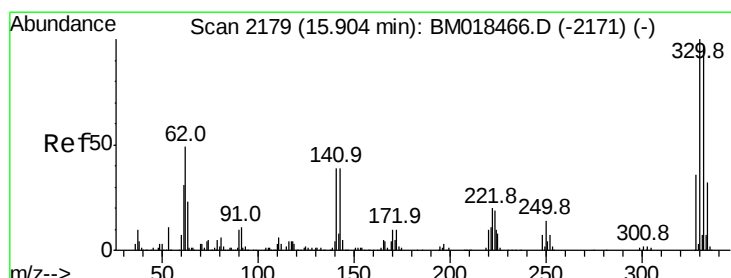
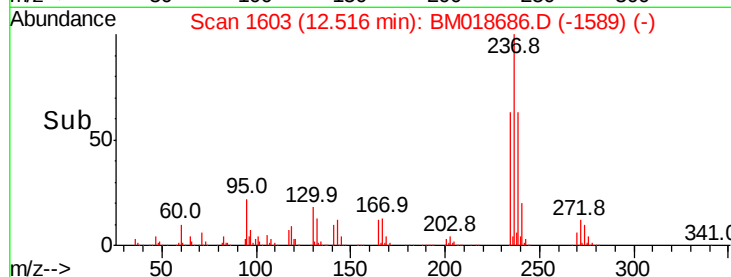
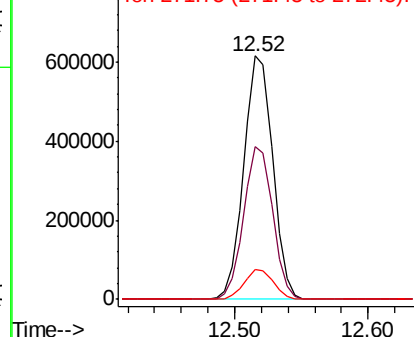
Tot Ion:	237	Resp:	921424
Ion Ratio	Lower	Upper	
237	100		
235	62.7	42.8	82.8
272	12.0	0.0	31.9

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 129.937 ng

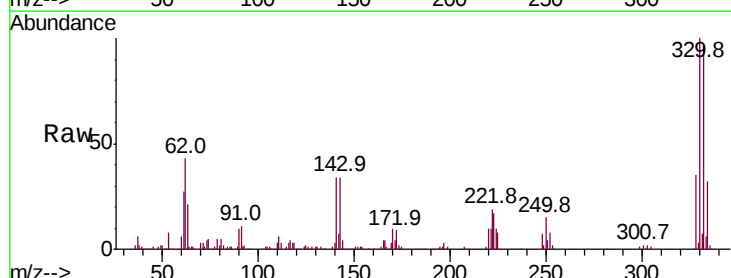
RT: 15.87 min Scan# 2174

Delta R.T. -0.01 min

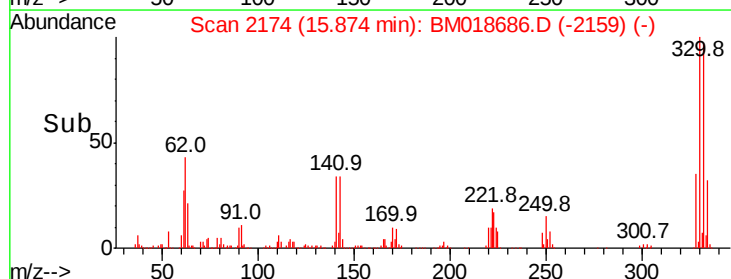
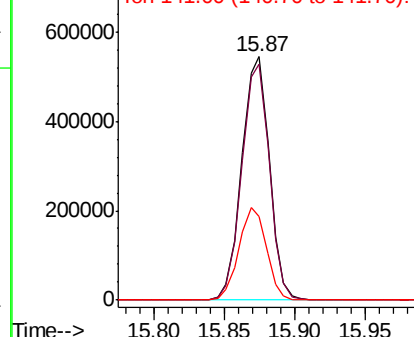
Lab File: BM018686.D

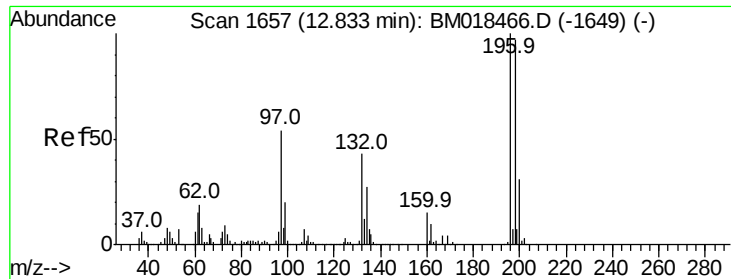
Acq: 29 Jan 2019 20:26

Tgt Ion:	330	Resp:	745098
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.6	116.4
141	37.9	31.7	47.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





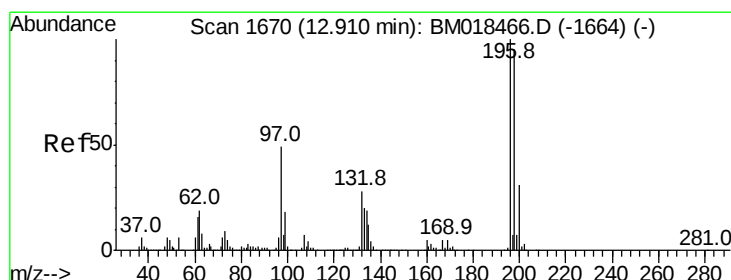
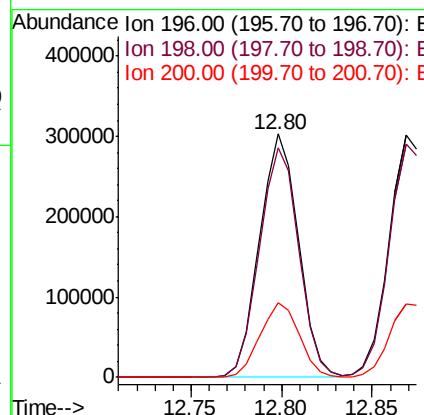
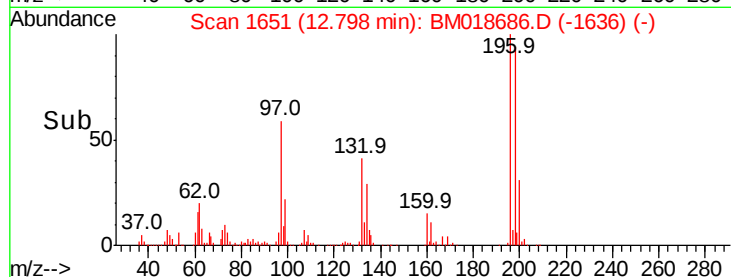
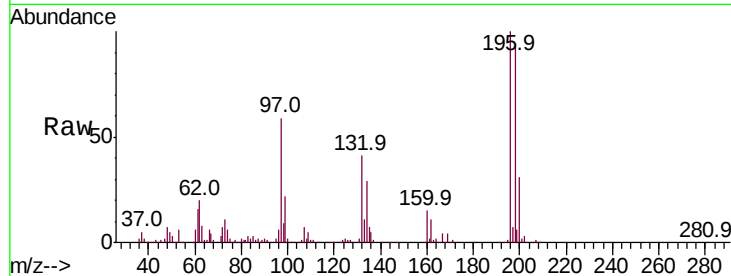
#43
 2,4,6-Trichlorophenol
 Concen: 47.426 ng
 RT: 12.80 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	453557		
198	94.3	76.6	115.0	
200	30.8	24.2	36.4	

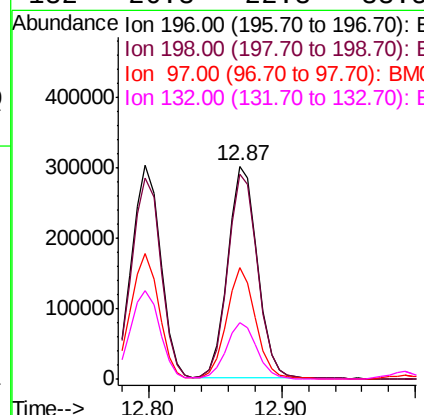
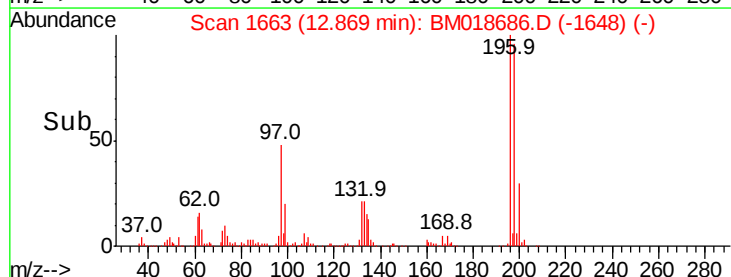
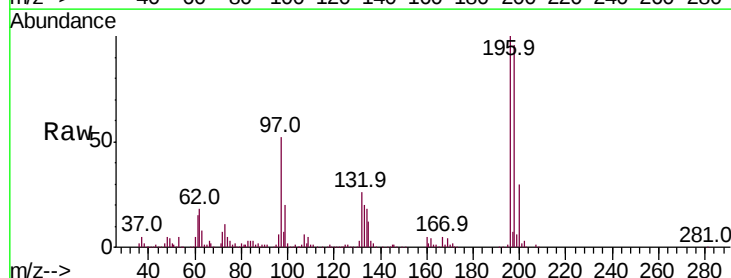
Manual Integrations
 APPROVED

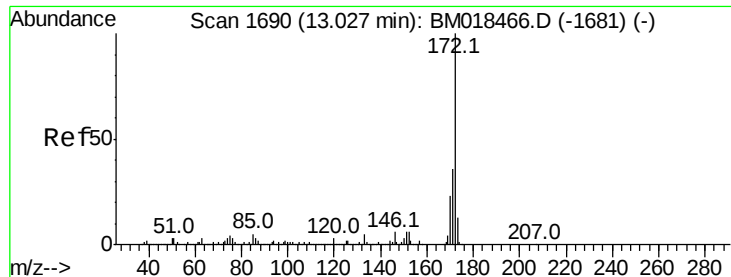
mohammad
 1/30/2019 11:10:43 AM



#44
 2,4,5-Trichlorophenol
 Concen: 46.979 ng
 RT: 12.87 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	472520		
198	96.2	76.7	115.1	
97	52.4	39.2	58.8	
132	26.3	22.3	33.5	





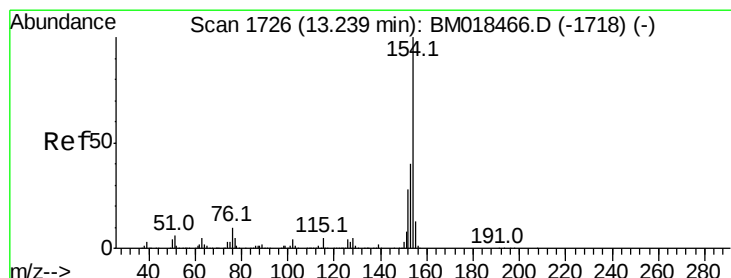
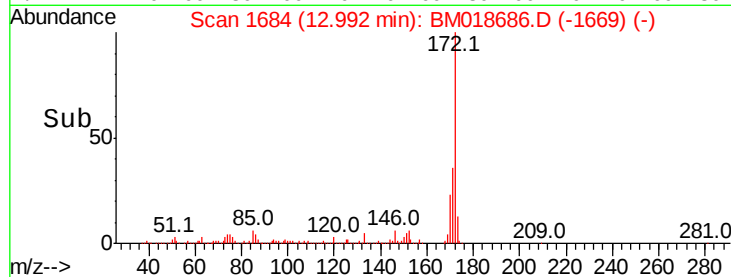
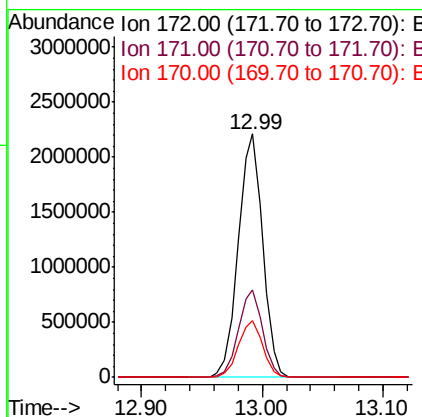
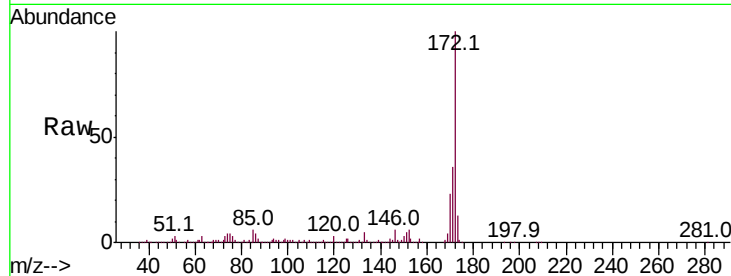
#45
2-Fluorobiphenyl
Concen: 90.343 ng
RT: 12.99 min Scan# 1684
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.4
170	23.1	18.9	28.3

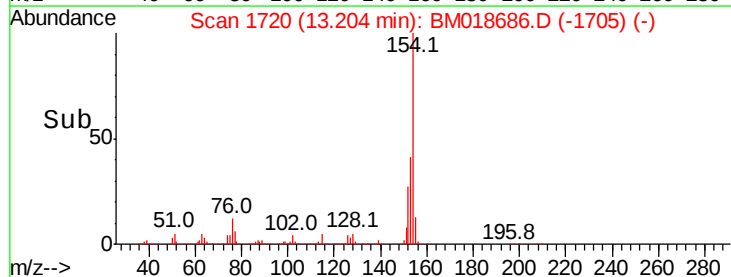
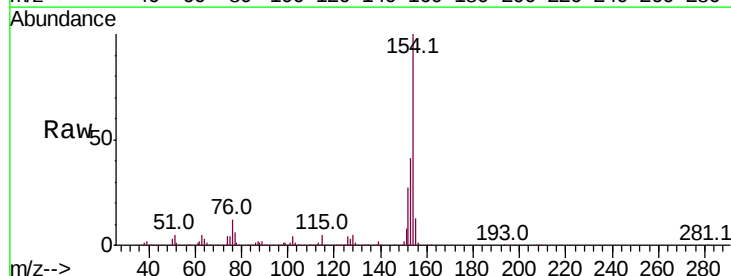
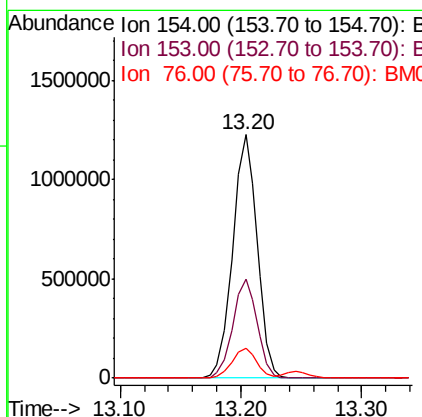
Manual Integrations
APPROVED

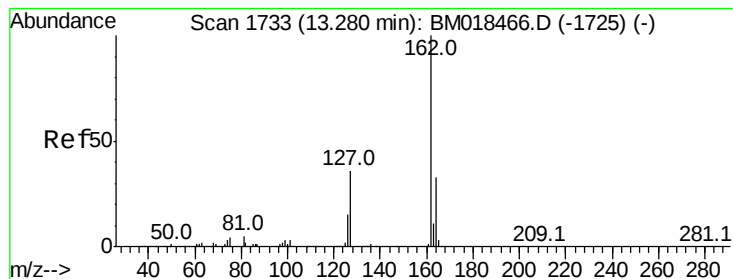
mohammad
1/30/2019 11:10:43 AM



#46
1,1'-Biphenyl
Concen: 44.035 ng
RT: 13.20 min Scan# 1720
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	12.0	0.0	31.9





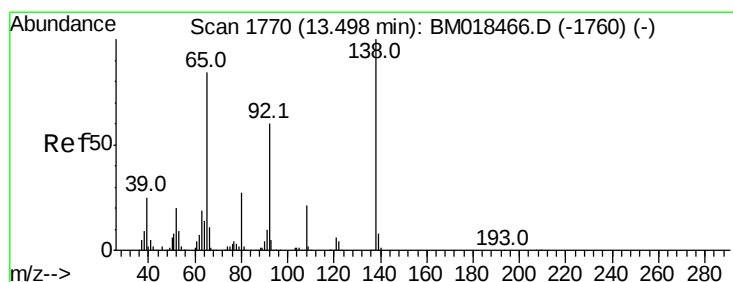
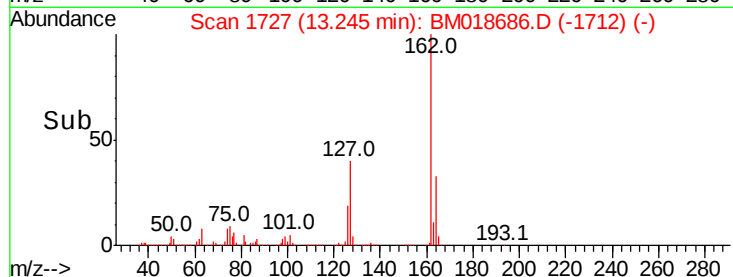
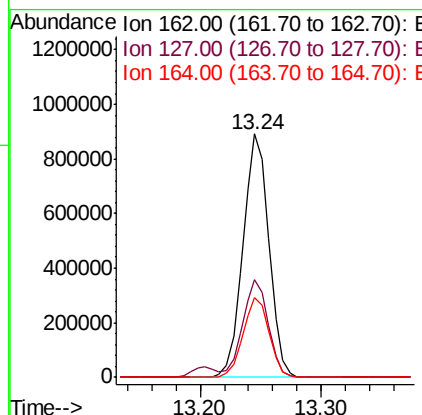
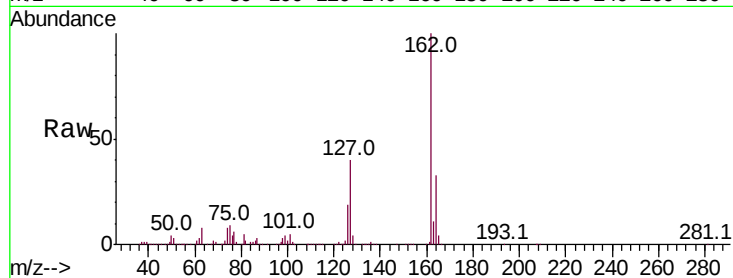
#47
2-Chloronaphthalene
Concen: 43.697 ng
RT: 13.24 min Scan# 1727
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.3	31.4	47.0
164	33.0	26.2	39.4

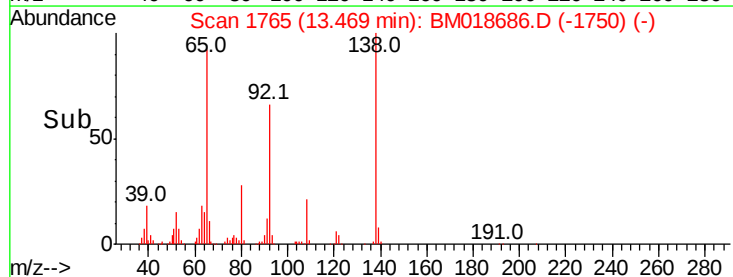
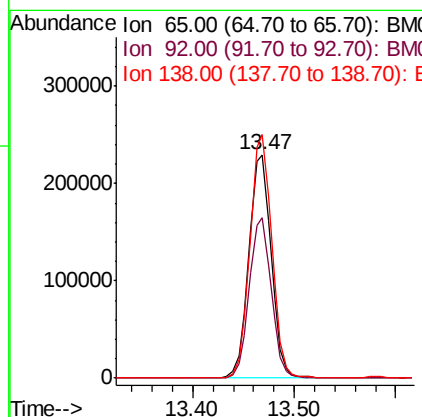
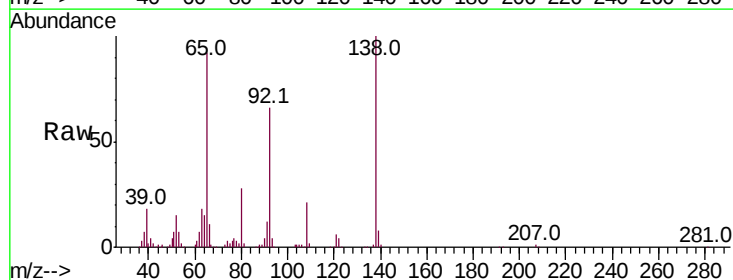
Manual Integrations
APPROVED

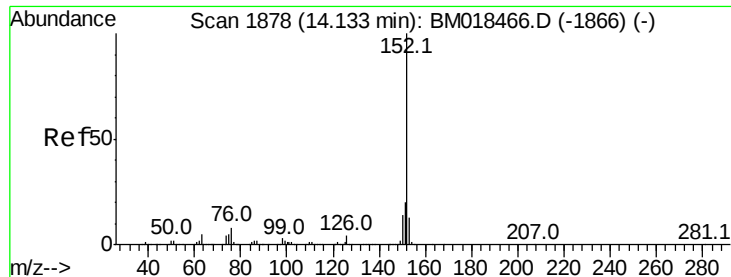
mohammad
1/30/2019 11:10:43 AM



#48
2-Nitroaniline
Concen: 46.939 ng
RT: 13.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.2	53.4	80.2
138	109.1	88.9	133.3





#49

Acenaphthylene

Concen: 46.595 ng

RT: 14.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

ClientSampleId :

HD-01-012819MSD

Tot Ion:152 Resp: 2070575

Ion Ratio Lower Upper

152 100

151 20.2 15.7 23.5

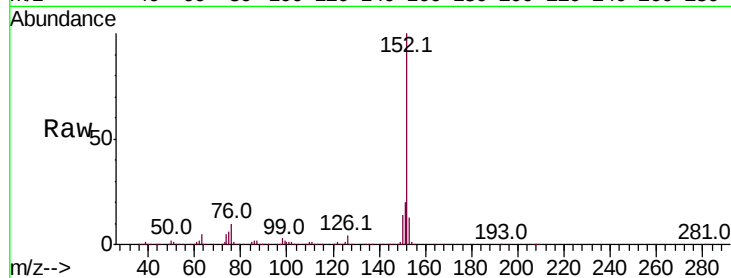
153 12.9 10.5 15.7

Manual Integrations

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mohammad

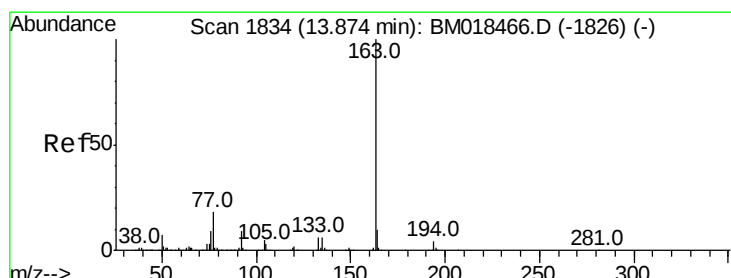
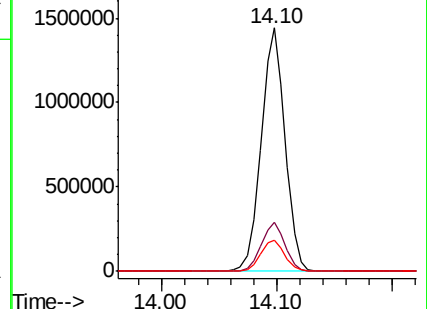
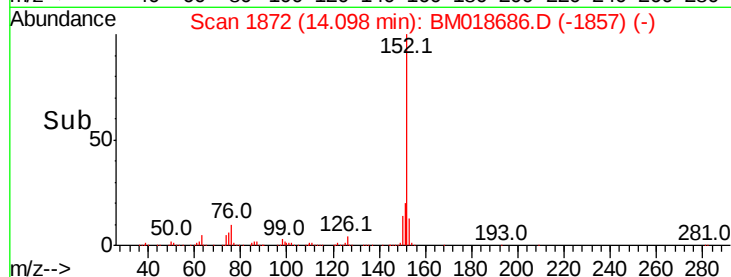
1/30/2019 11:10:43 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 42.272 ng

RT: 13.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

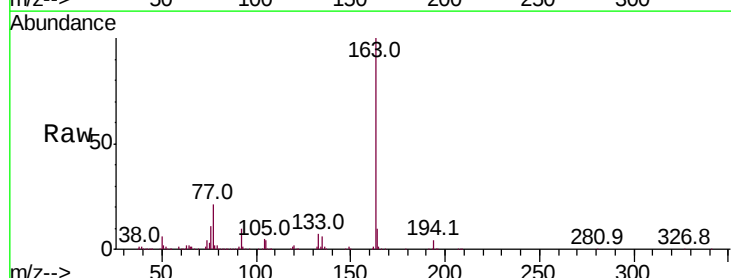
Tgt Ion:163 Resp: 1563487

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

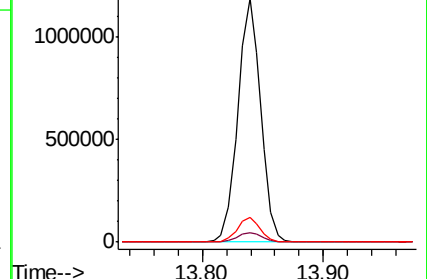
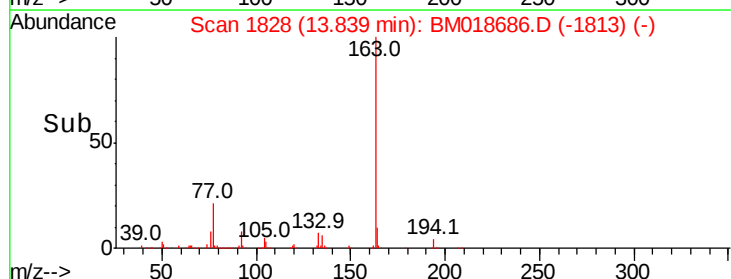
164 10.2 7.8 11.8

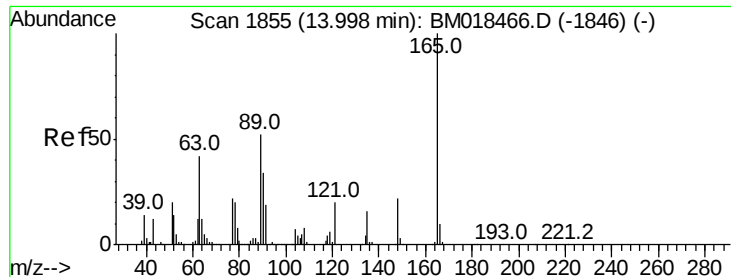


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





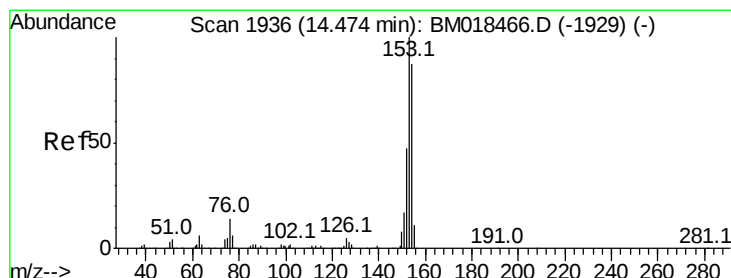
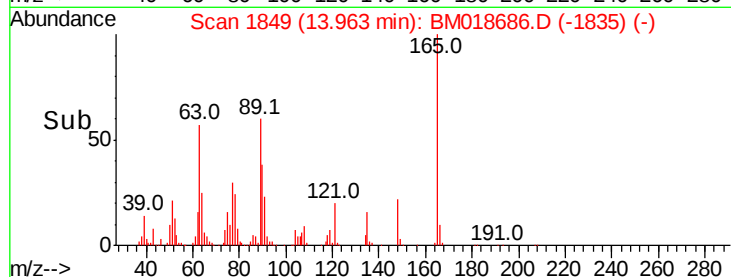
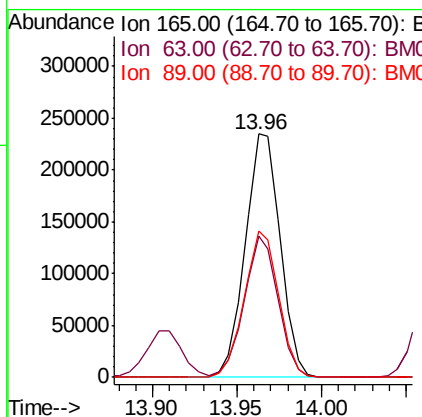
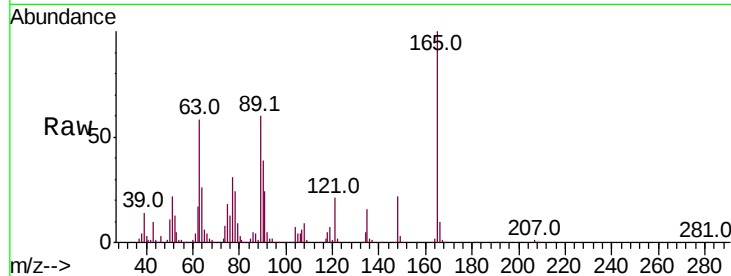
#51
2,6-Dinitrotoluene
Concen: 43.356 ng
RT: 13.96 min Scan# 1849
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	339675		
63	58.1		45.6	68.4
89	60.4		44.6	66.8

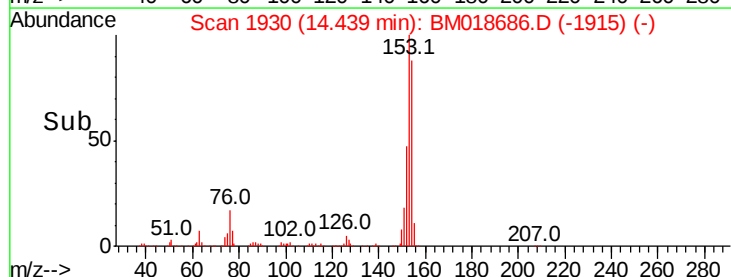
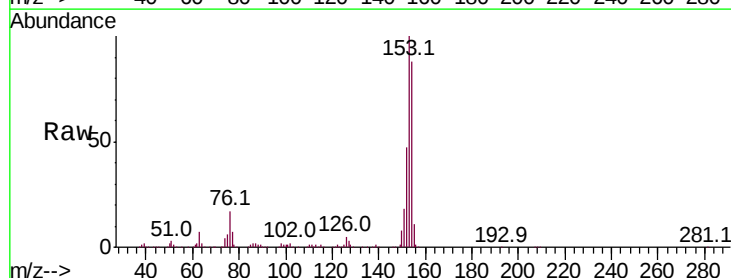
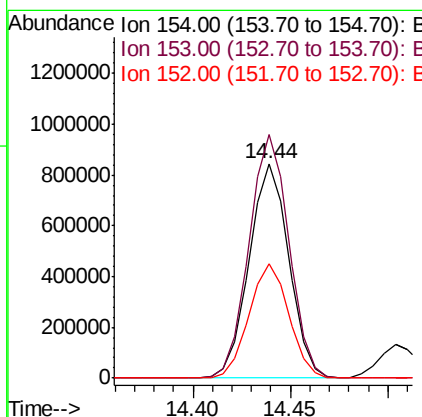
Manual Integrations
APPROVED

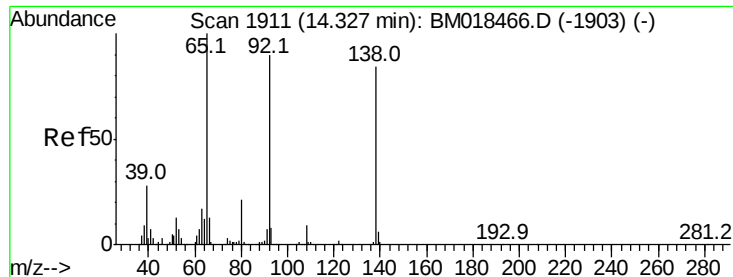
mohammad
1/30/2019 11:10:43 AM



#52
Acenaphthene
Concen: 43.873 ng
RT: 14.44 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1192906		
153	113.6		92.3	138.5
152	53.4		43.8	65.6





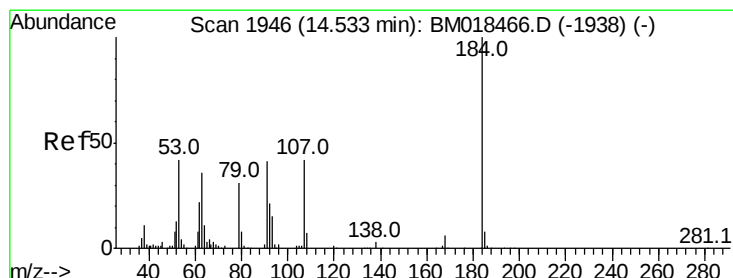
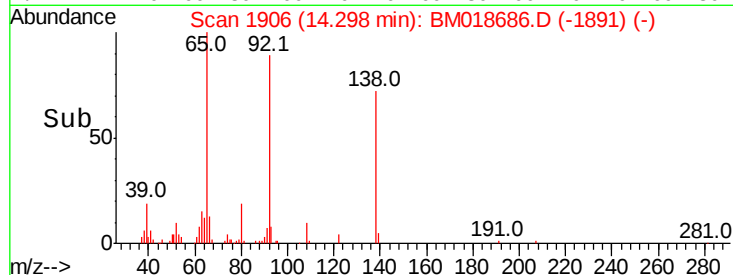
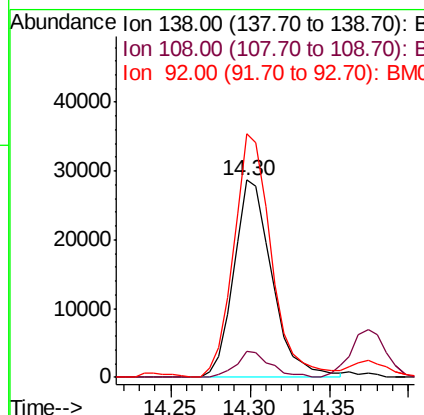
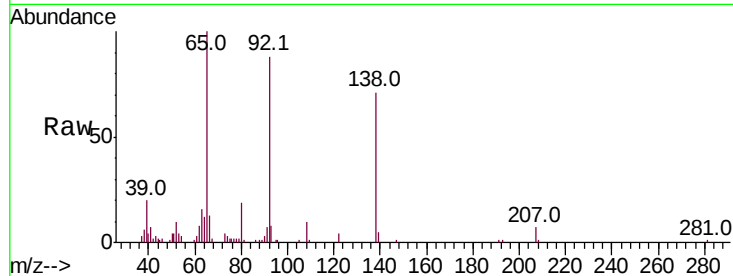
#53
3-Nitroaniline
Concen: 6.066 ng
RT: 14.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.3	9.1	13.7
92	123.6	88.2	132.2

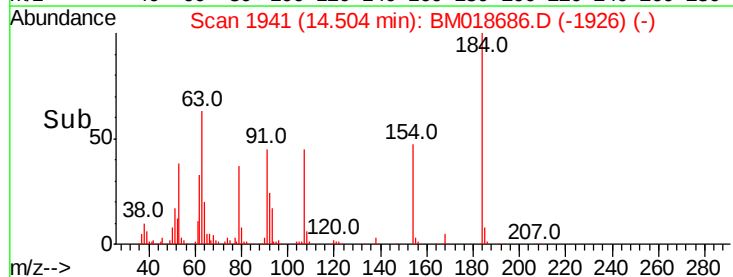
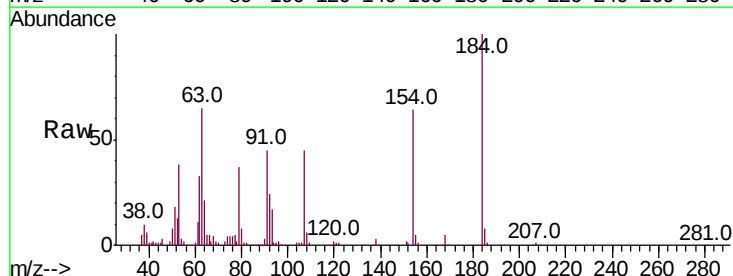
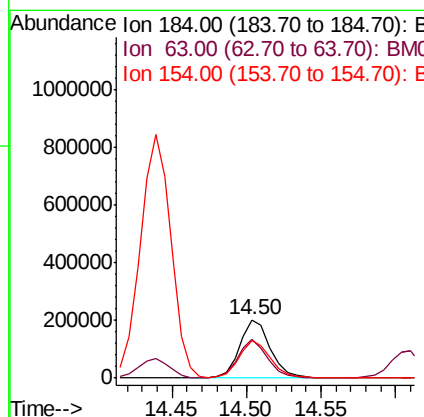
Manual Integrations
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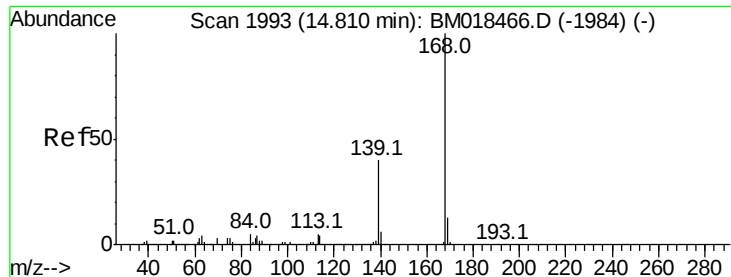
mohammad
1/30/2019 11:10:43 AM



#54
2,4-Dinitrophenol
Concen: 69.376 ng
RT: 14.50 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.4	55.9	83.9
154	64.2	54.2	81.4





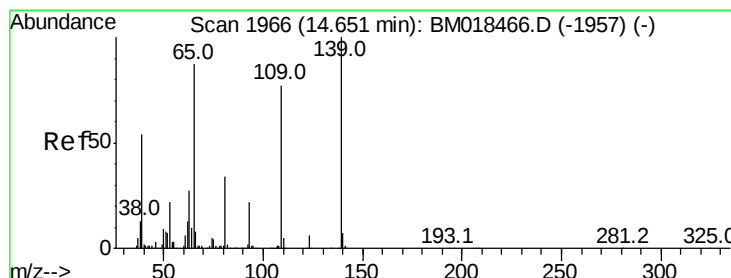
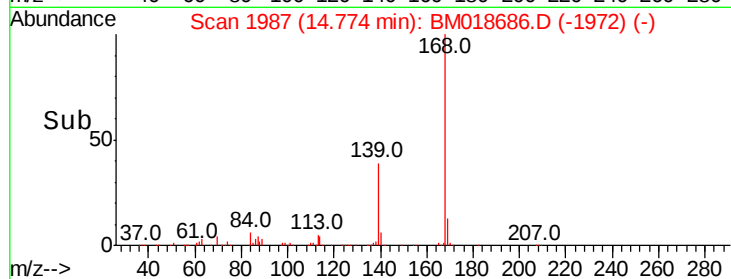
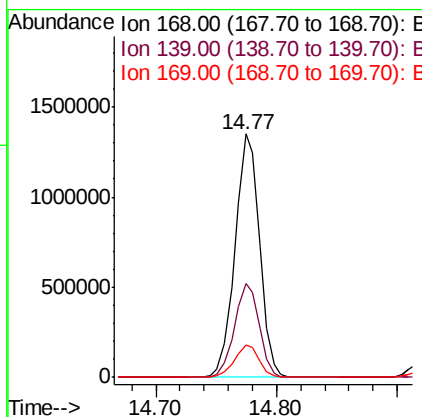
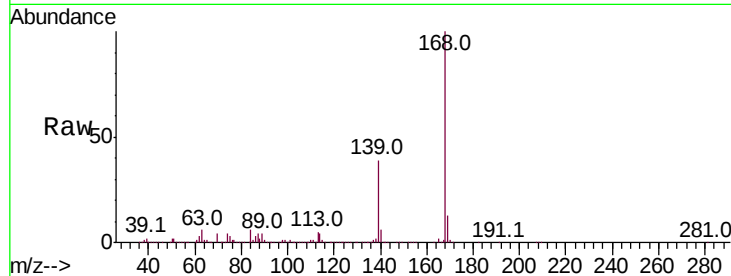
#55
Dibenzofuran
Concen: 42.394 ng
RT: 14.77 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.3	45.5
169	13.1	10.6	16.0

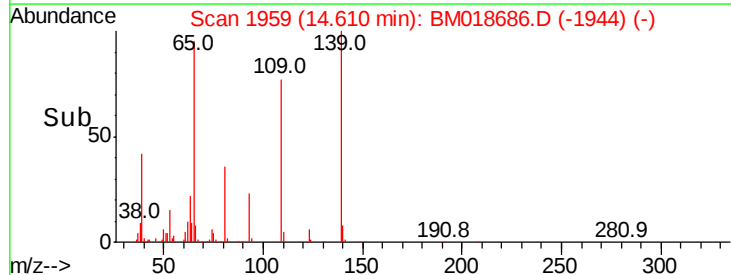
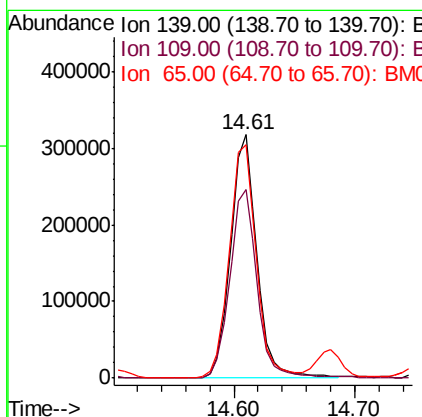
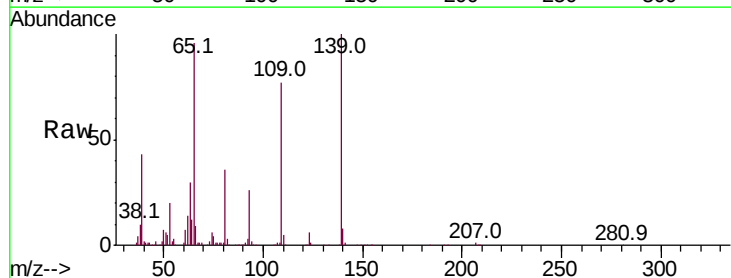
Manual Integrations
APPROVED

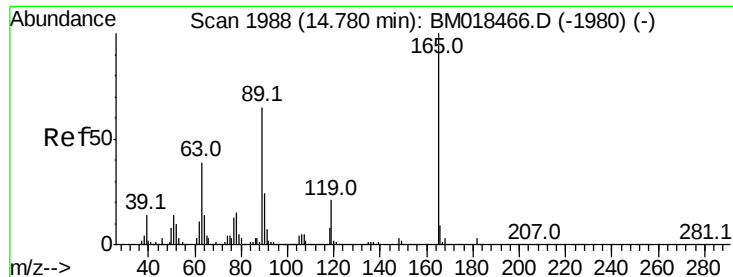
mohammad
1/30/2019 11:10:43 AM



#56
4-Nitrophenol
Concen: 70.416 ng
RT: 14.61 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
139	100		
109	77.5	51.7	91.7
65	96.0	71.4	111.4





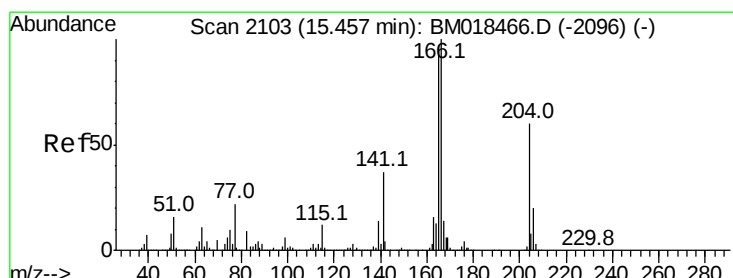
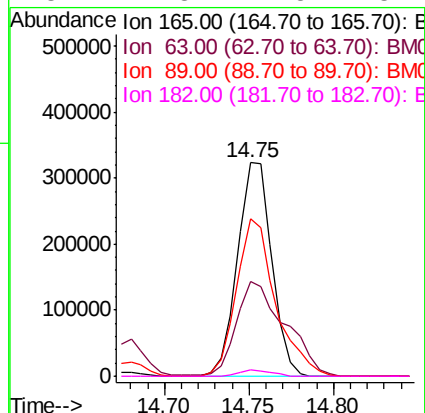
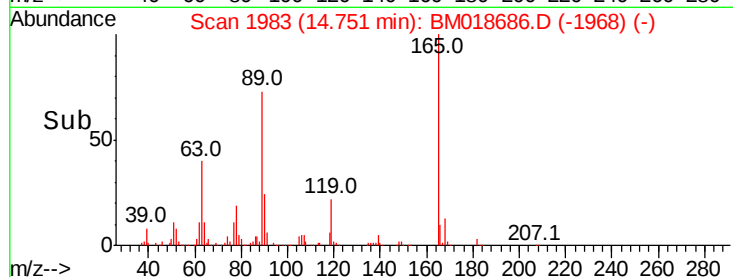
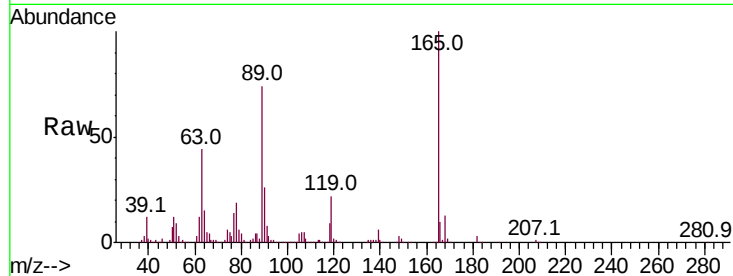
#57
2,4-Dinitrotoluene
Concen: 41.269 ng
RT: 14.75 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.3	32.2	48.2
89	73.6	52.1	78.1
182	2.8	2.5	3.7

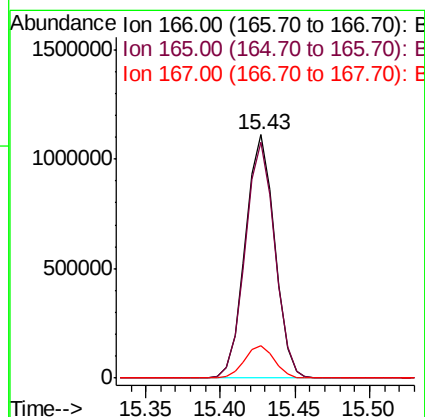
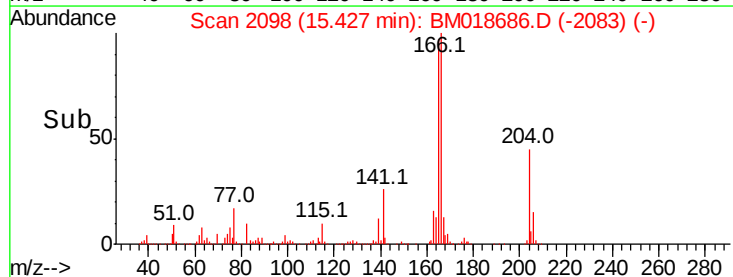
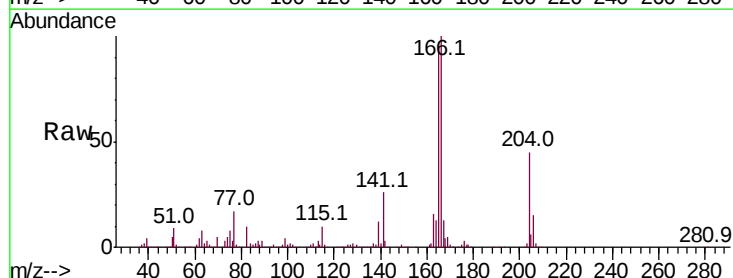
Manual Integrations
APPROVED

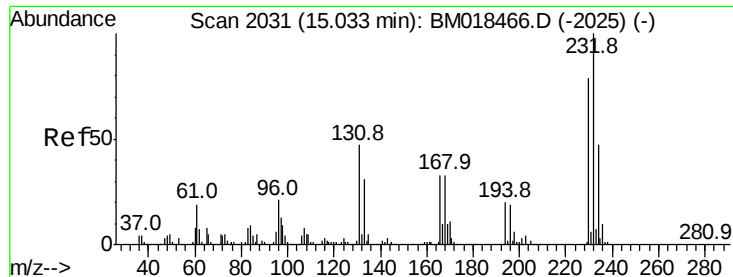
mohammad
1/30/2019 11:10:43 AM



#58
Fluorene
Concen: 45.125 ng
RT: 15.43 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.3	117.5
167	13.4	10.9	16.3





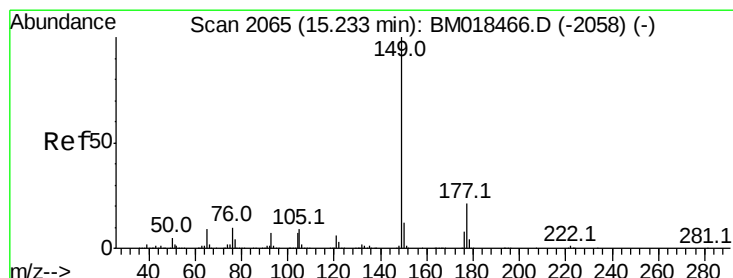
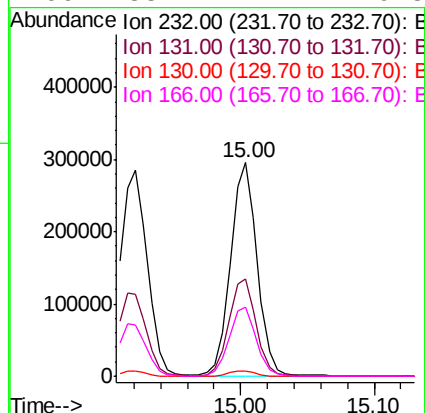
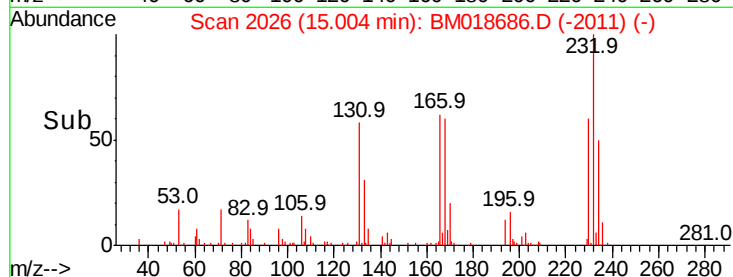
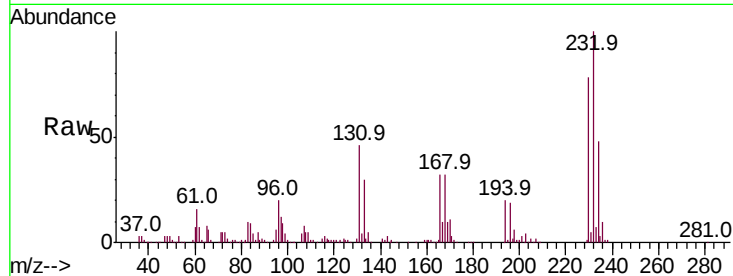
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.025 ng
RT: 15.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.7	38.6	57.8
130	2.6	2.2	3.4
166	33.2	27.2	40.8

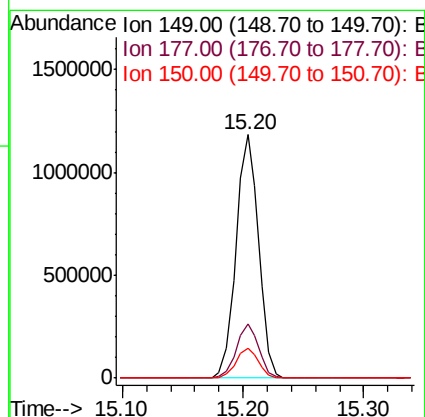
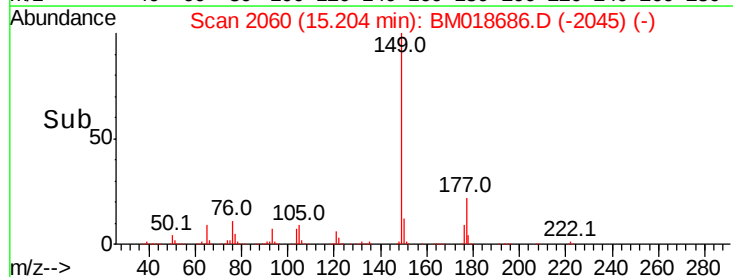
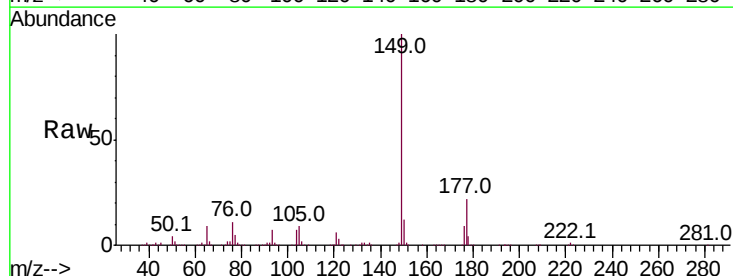
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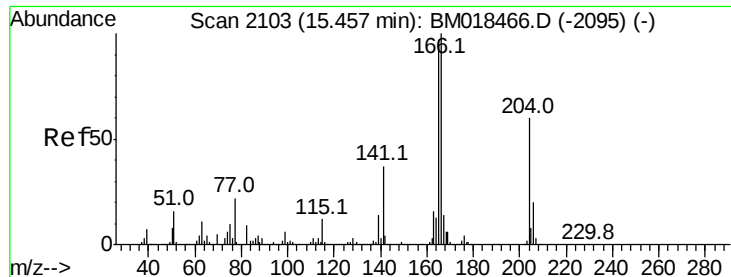
mohammad
1/30/2019 11:10:43 AM



#60
Diethylphthalate
Concen: 41.083 ng
RT: 15.20 min Scan# 2060
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.1	25.7
150	12.5	9.8	14.6





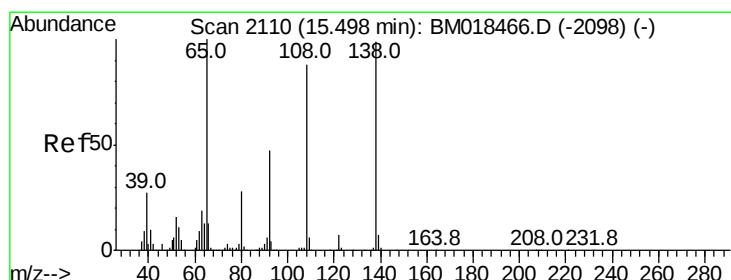
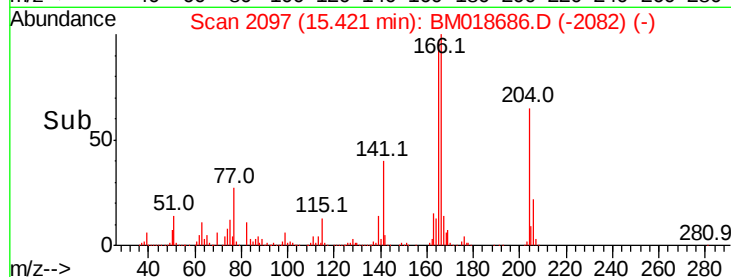
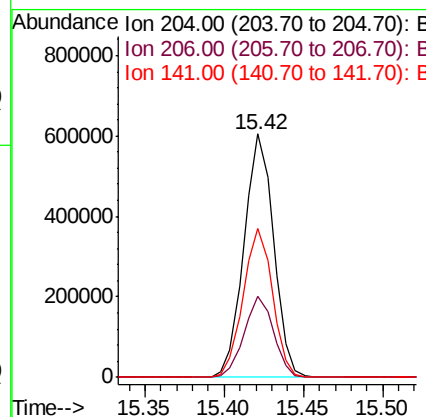
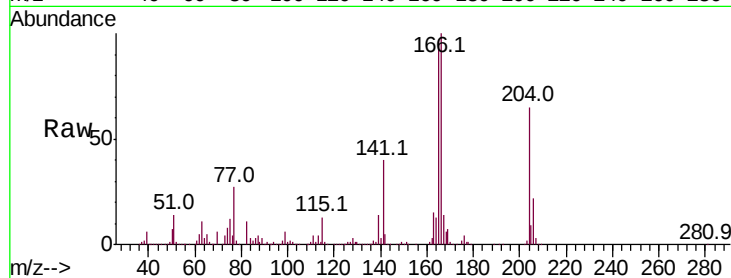
#61
4-Chlorophenyl-phenylether
Concen: 40.566 ng
RT: 15.42 min Scan# 2097
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.6
141	60.9	49.5	74.3

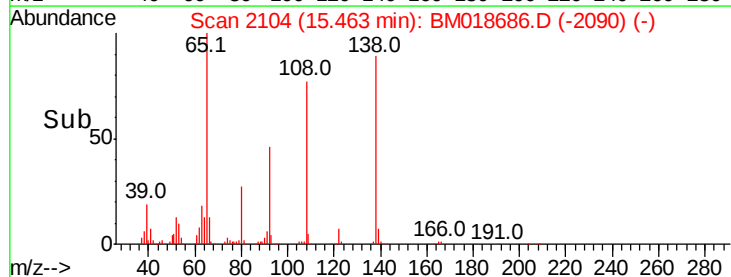
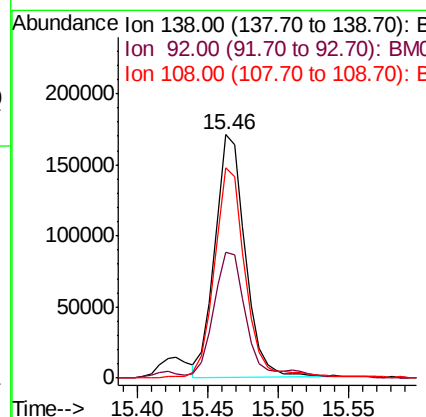
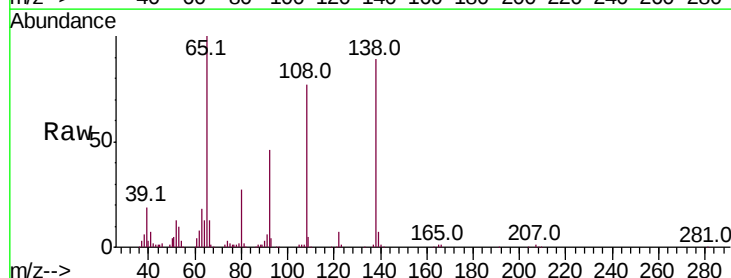
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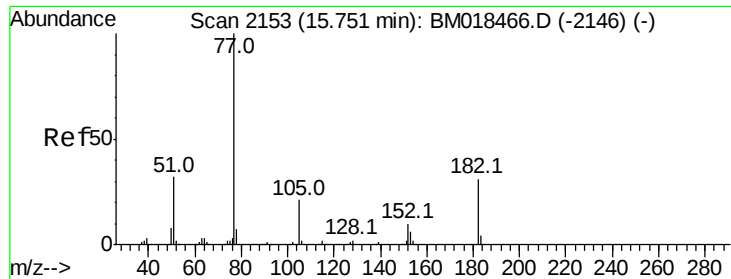
mohammad
1/30/2019 11:10:43 AM



#62
4-Nitroaniline
Concen: 29.456 ng
RT: 15.46 min Scan# 2104
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.5	29.0	69.0
108	86.2	63.9	103.9





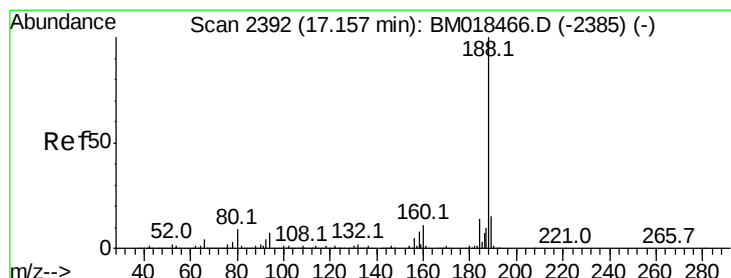
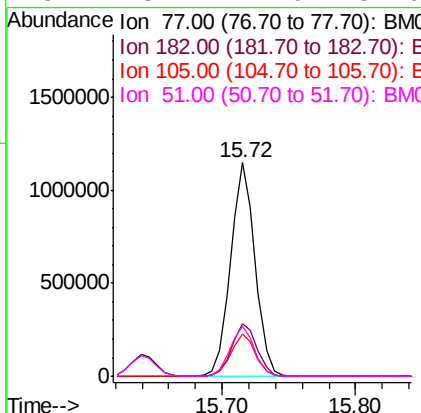
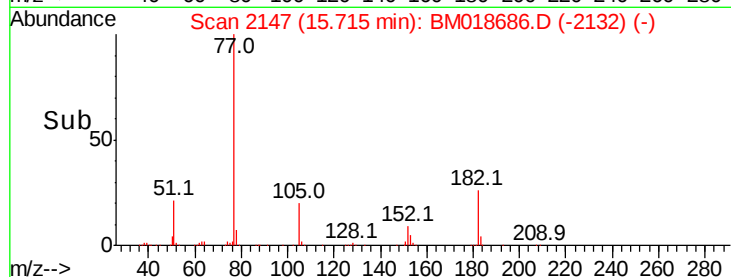
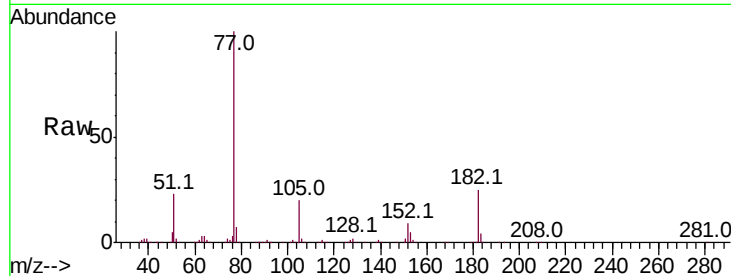
#63
Azobenzene
Concen: 47.985 ng
RT: 15.72 min Scan# 2147
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	24.8	7.4	47.4
105	19.8	0.0	39.6
51	23.1	12.0	52.0

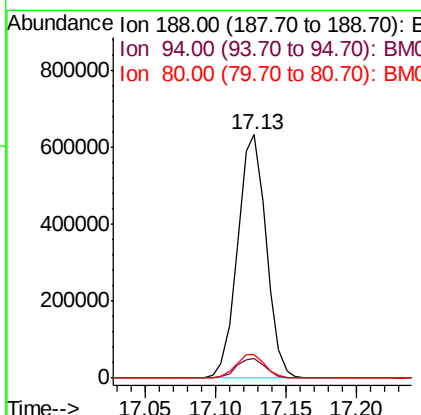
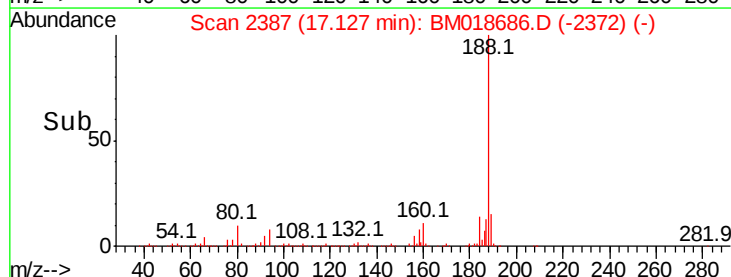
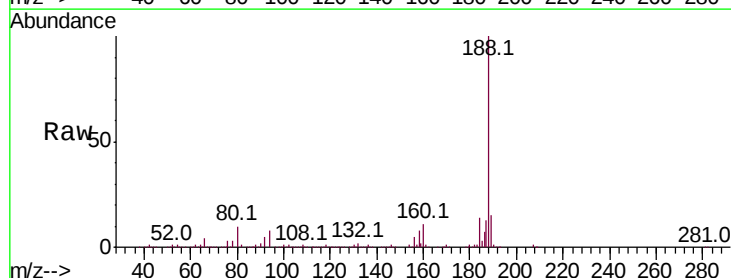
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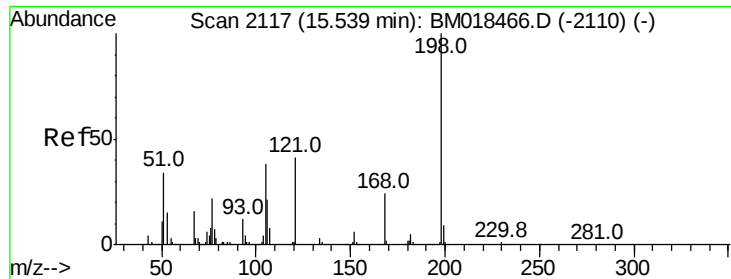
mohammad
1/30/2019 11:10:43 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.13 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.1	10.7
80	9.7	7.6	11.4





#65

4,6-Dinitro-2-methylphenol

Concen: 39.201 ng

RT: 15.52 min Scan# 2113

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

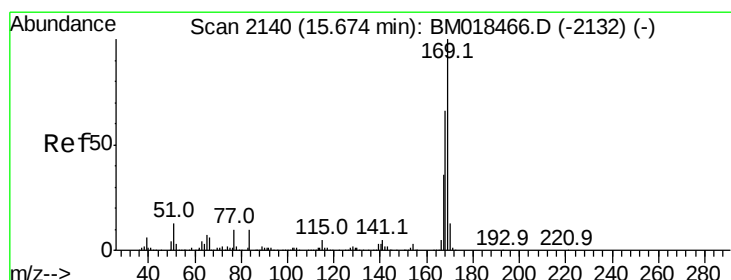
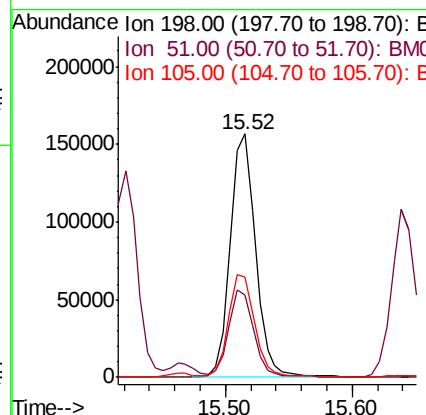
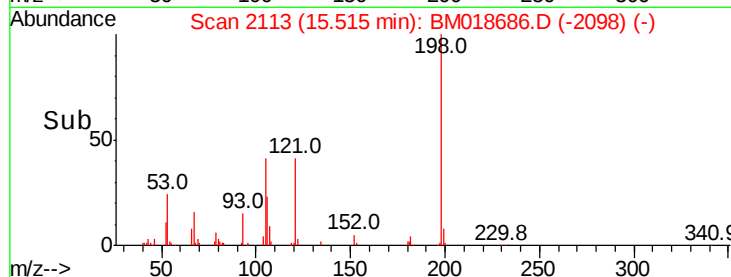
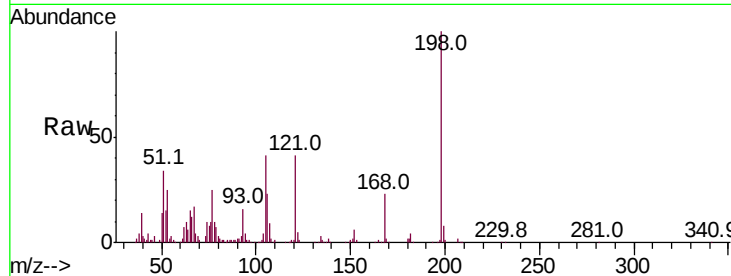
ClientSampleId :

HD-01-012819MSD

Tot Ion:	198	Resp:	217146
Ion Ratio	Lower	Upper	
198	100		
51	33.8	29.6	69.6
105	41.4	25.5	65.5

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#66

n-Nitrosodiphenylamine

Concen: 46.566 ng

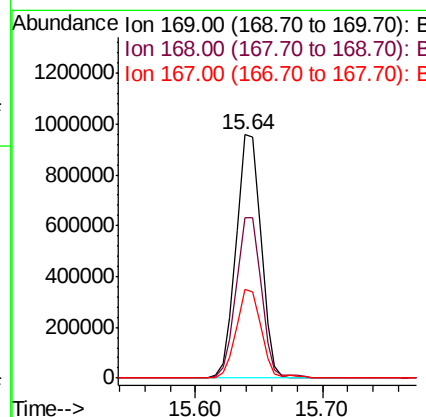
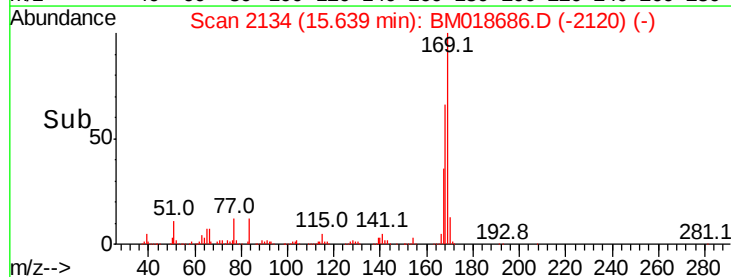
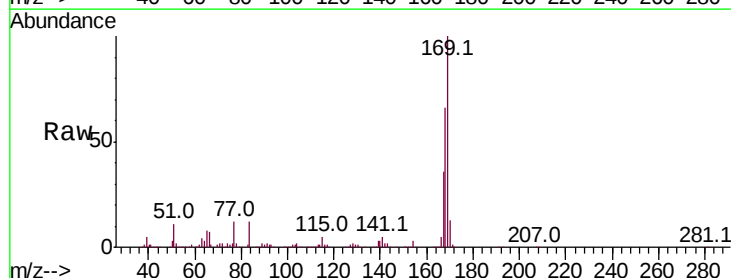
RT: 15.64 min Scan# 2134

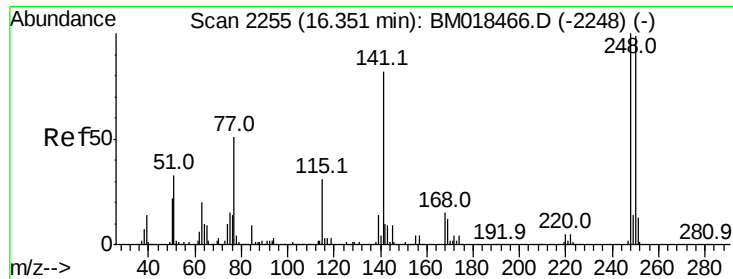
Delta R.T. -0.02 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Tgt Ion:	169	Resp:	1292018
Ion Ratio	Lower	Upper	
169	100		
168	65.8	54.1	81.1
167	36.4	28.6	42.8





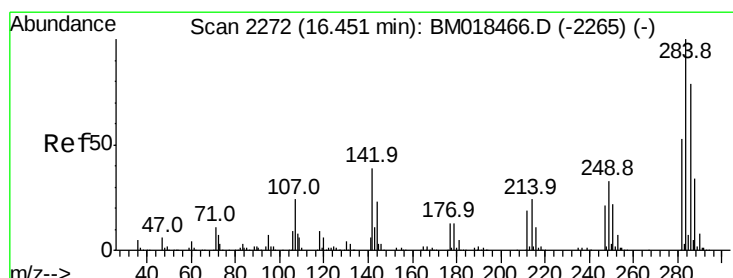
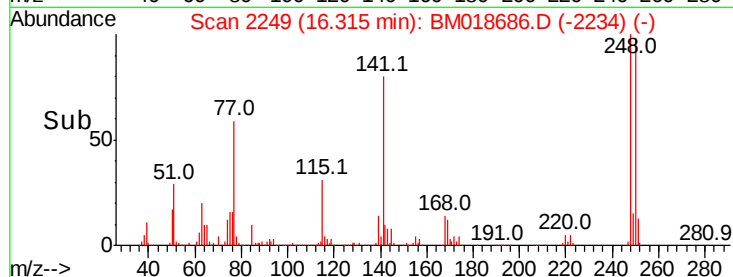
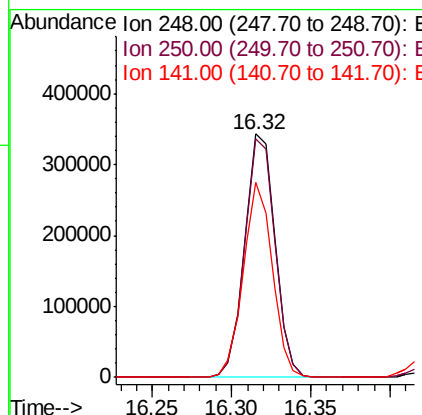
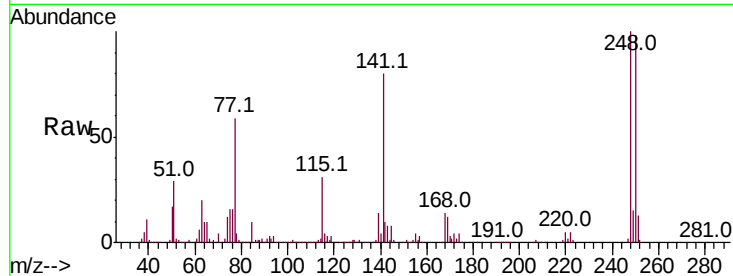
#67
 4-Bromophenyl-phenylether
 Concen: 45.725 ng
 RT: 16.32 min Scan# 2249
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.0	114.0
141	80.2	61.5	92.3

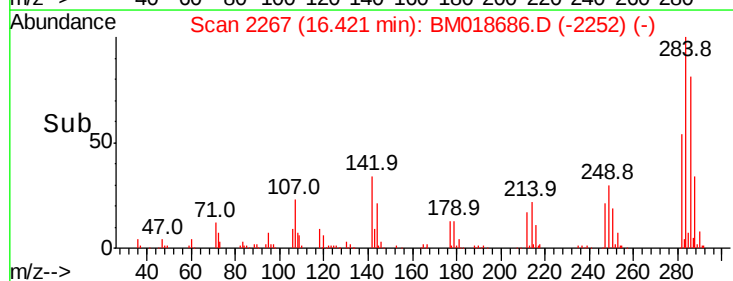
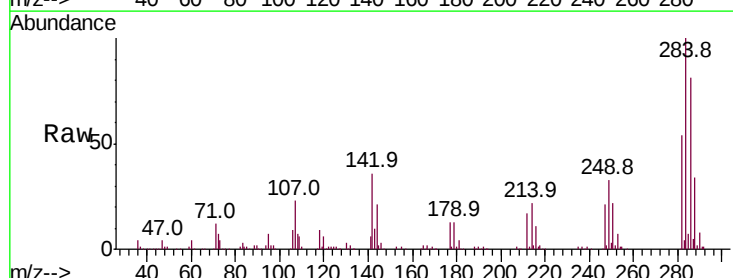
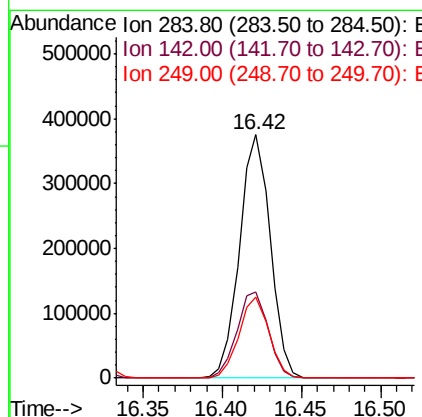
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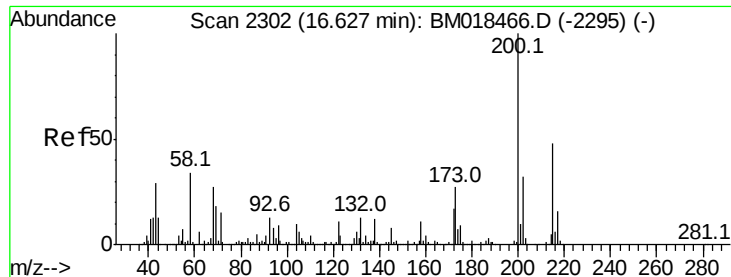
mohammad
 1/30/2019 11:10:43 AM



#68
 Hexachlorobenzene
 Concen: 45.081 ng
 RT: 16.42 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.7	29.2	43.8
249	33.2	26.1	39.1





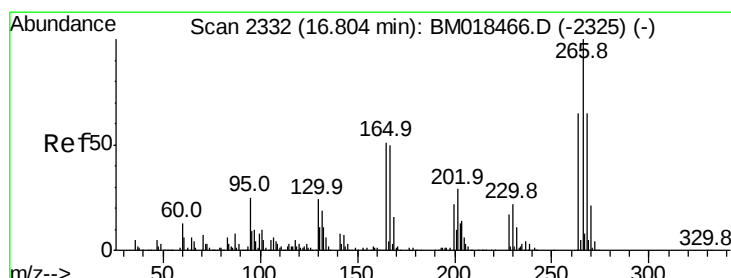
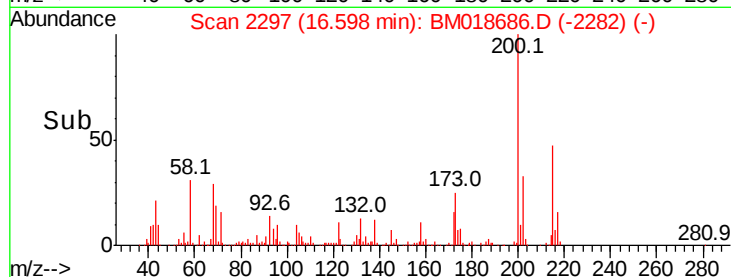
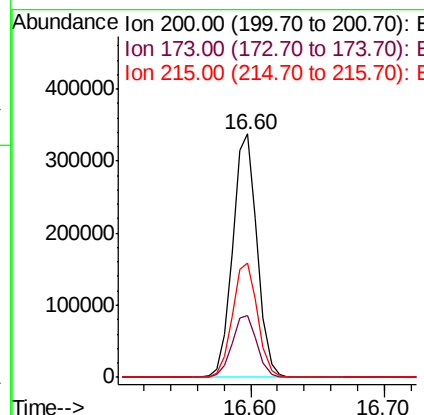
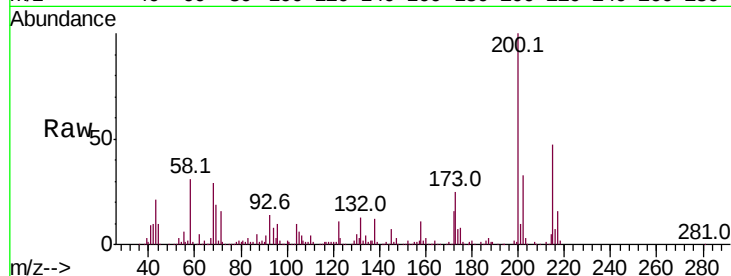
#69
Atrazine
Concen: 43.156 ng
RT: 16.60 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.2	7.2	47.2
215	47.2	28.3	68.3

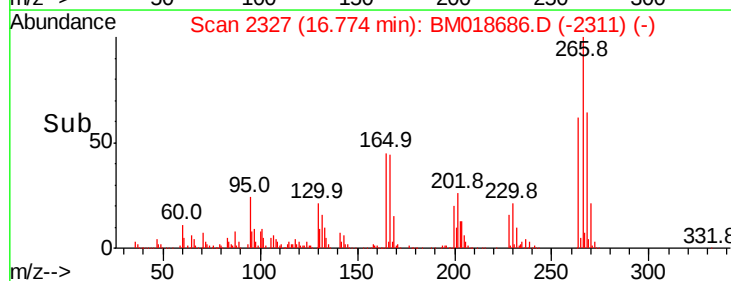
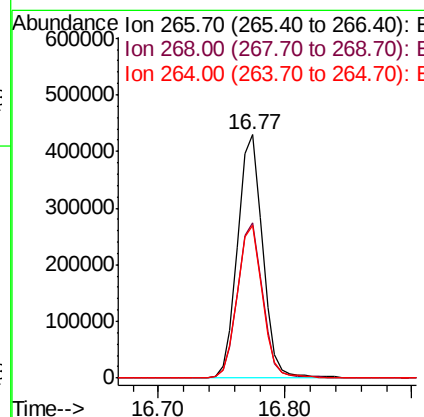
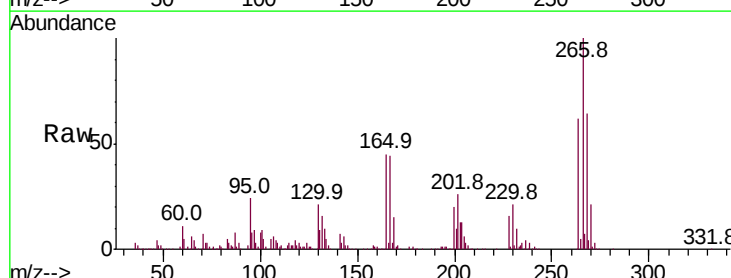
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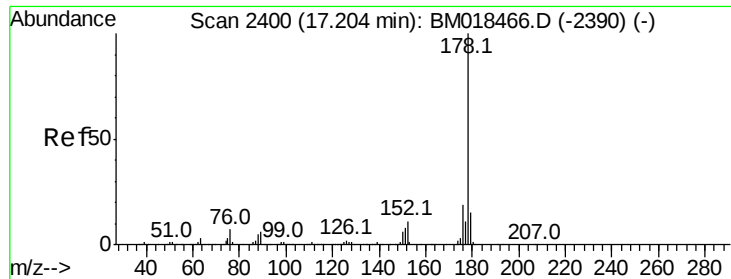
mohammad
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#70
Pentachlorophenol
Concen: 79.951 ng
RT: 16.77 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.8	74.6
264	62.5	50.1	75.1





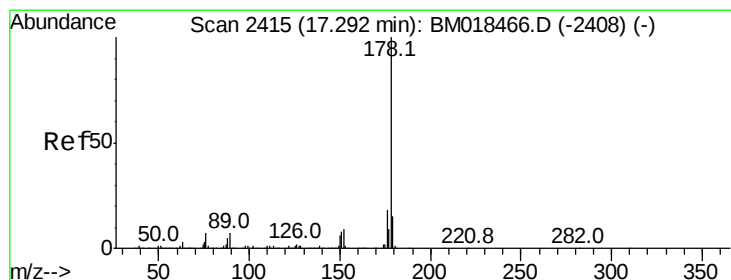
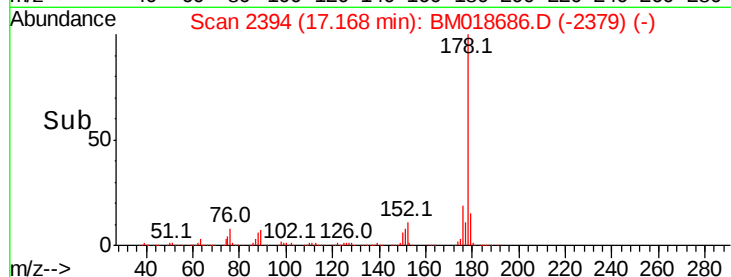
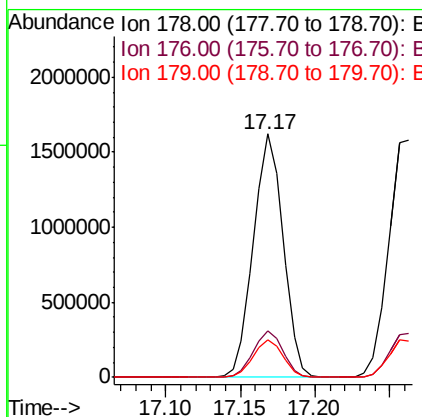
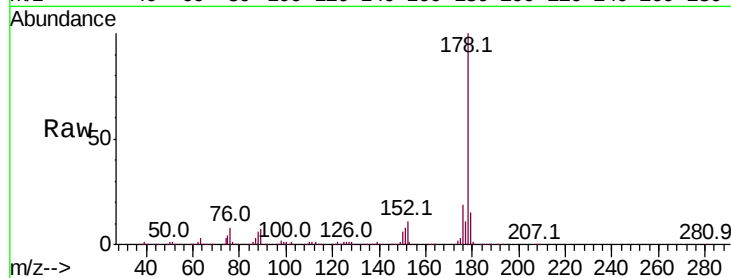
#71
Phenanthrene
Concen: 46.948 ng
RT: 17.17 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion:178 Resp: 2233635
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.2 18.4

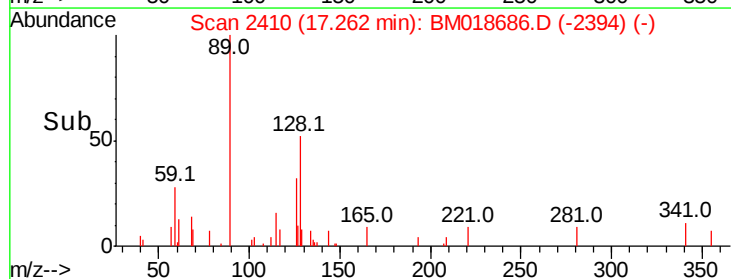
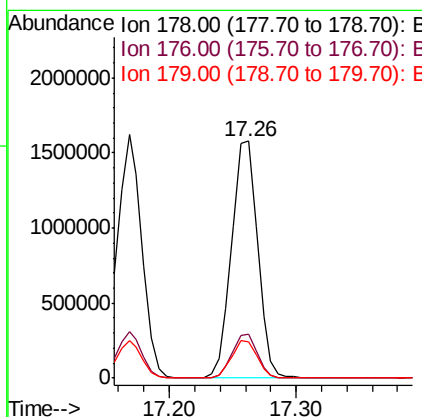
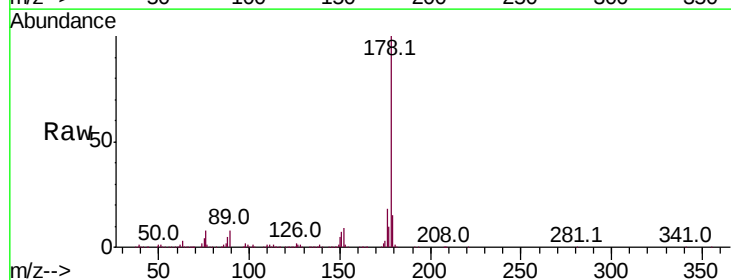
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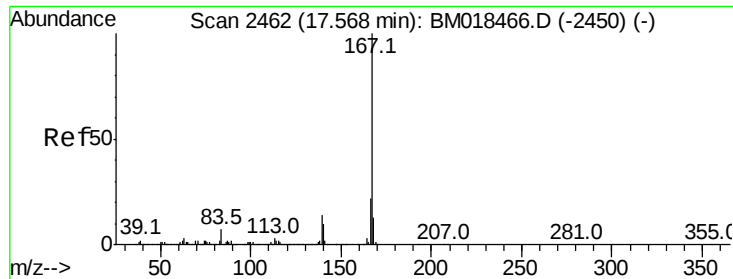
mohammad
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#72
Anthracene
Concen: 49.022 ng
RT: 17.26 min Scan# 2410
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion:178 Resp: 2242747
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.1 12.2 18.4





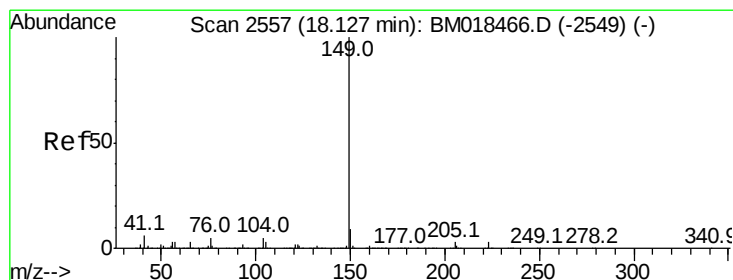
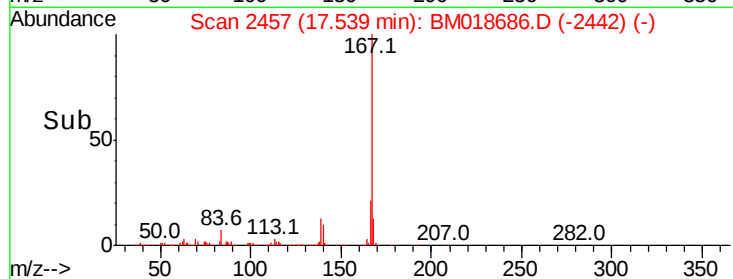
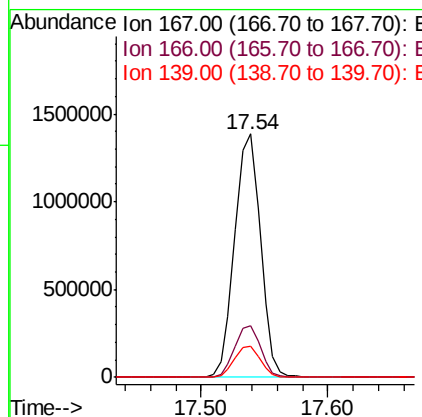
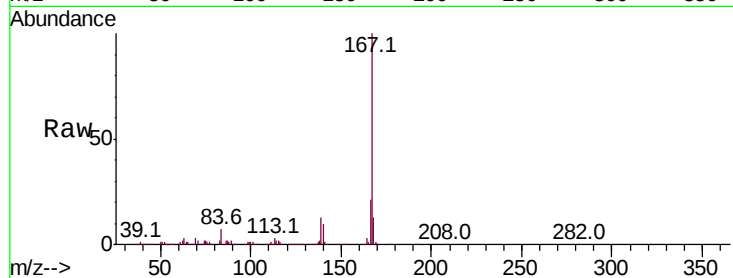
#73
 Carbazole
 Concen: 41.510 ng
 RT: 17.54 min Scan# 2457
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.4	26.2
139	12.9	10.6	16.0

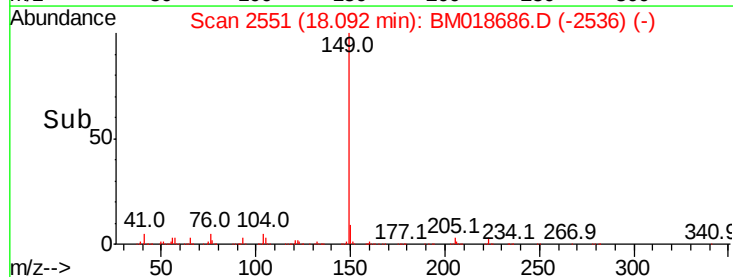
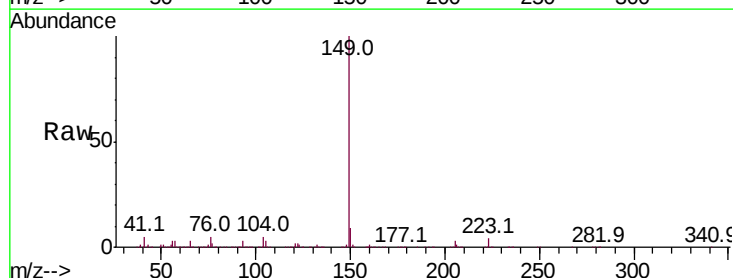
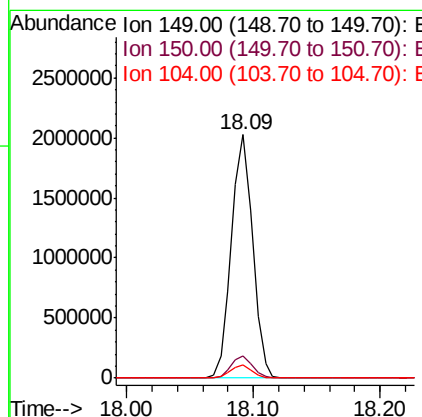
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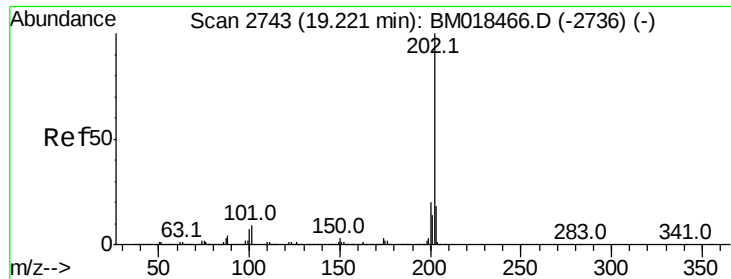
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#74
 Di-n-butylphthalate
 Concen: 45.419 ng
 RT: 18.09 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	5.3	4.2	6.4





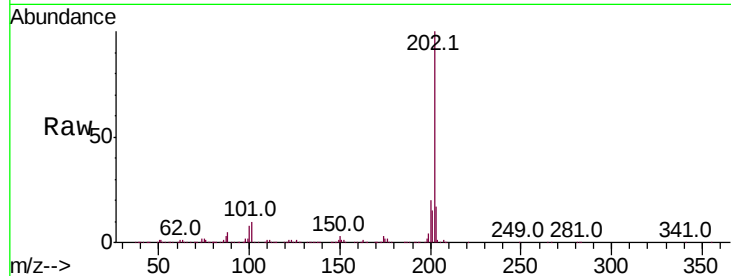
#75
Fluoranthene
Concen: 44.163 ng
RT: 19.19 min Scan# 2737
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.9
203	17.3	0.0	37.4

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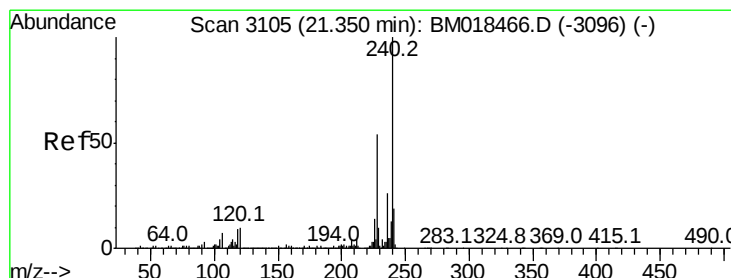
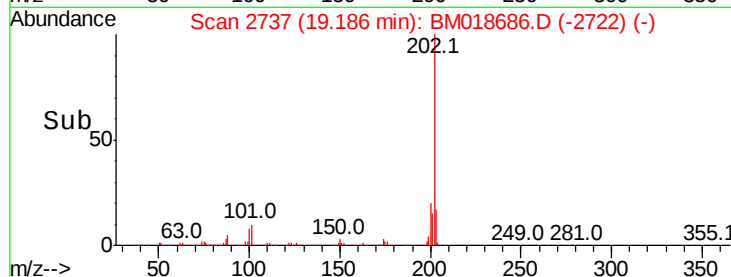
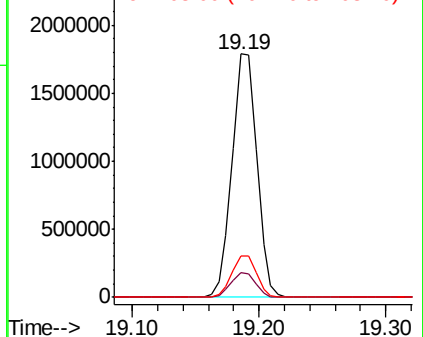


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.32 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

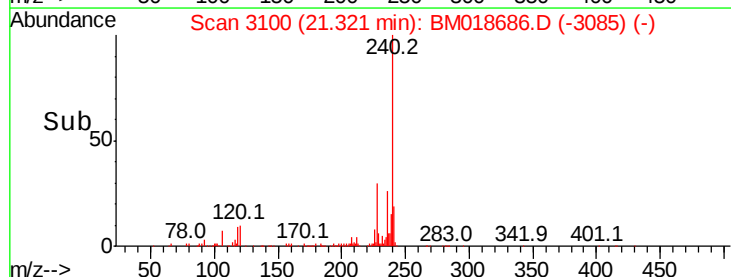
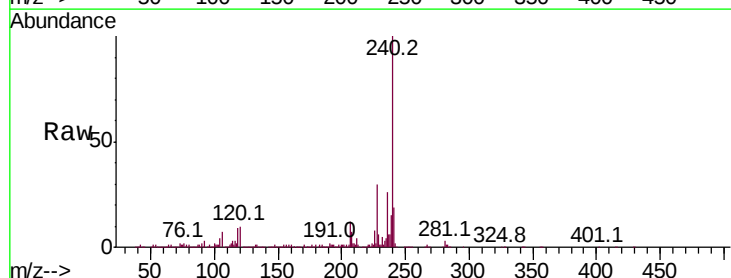
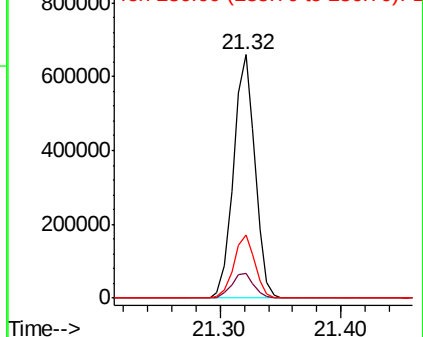
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.4	12.6
236	25.8	20.7	31.1

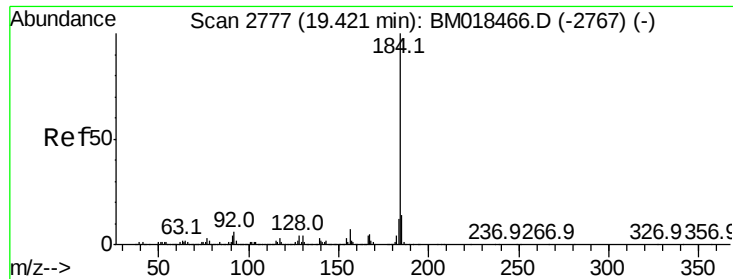
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 21.137 ng

RT: 19.39 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

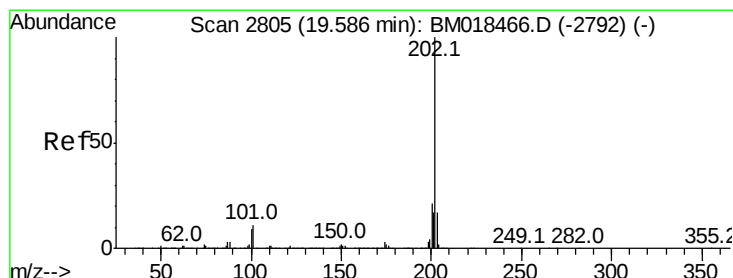
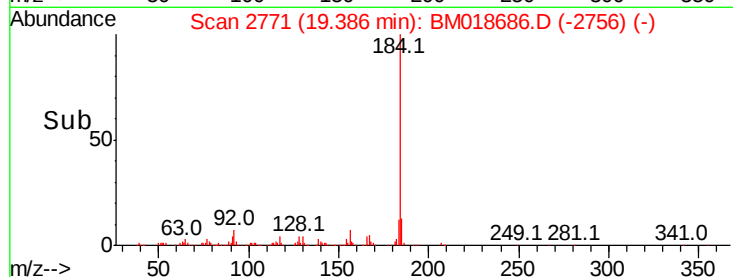
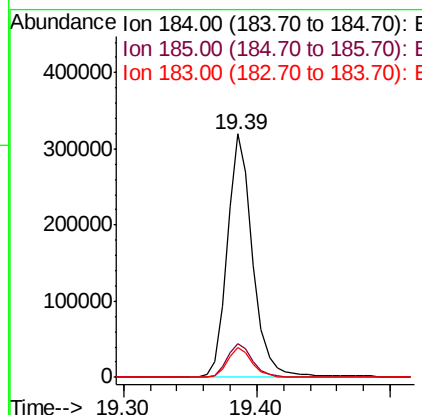
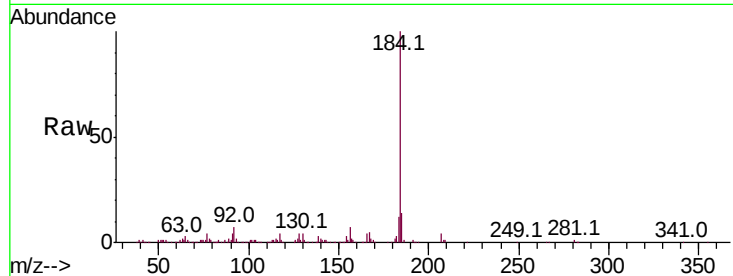
ClientSampleId :

HD-01-012819MSD

Tot Ion	184	Resp	427056
Ion Ratio	Lower	Upper	
184	100		
185	13.7	11.4	17.0
183	12.2	9.5	14.3

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#78

Pyrene

Concen: 50.529 ng

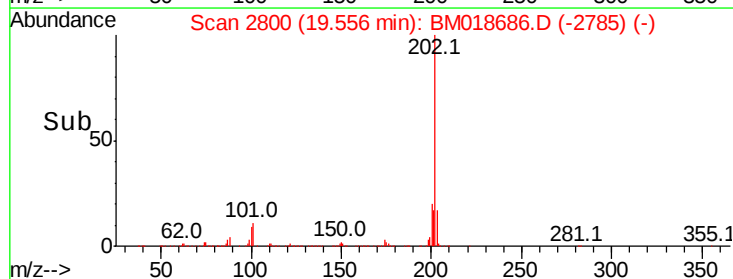
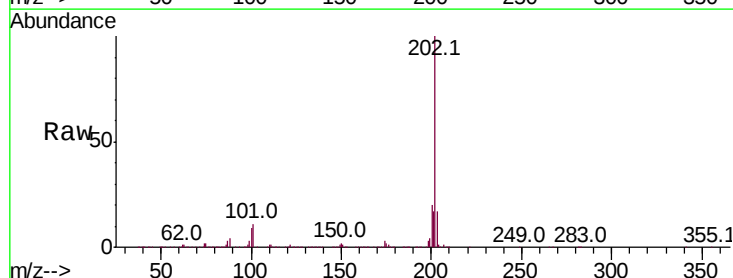
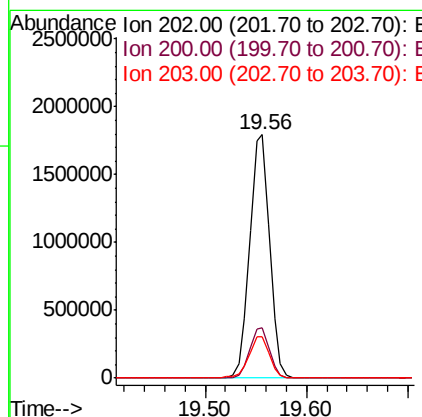
RT: 19.56 min Scan# 2800

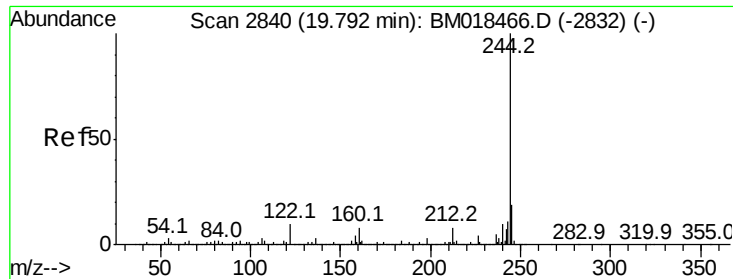
Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Tgt Ion	202	Resp	2450744
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.6	24.8
203	17.0	13.8	20.8





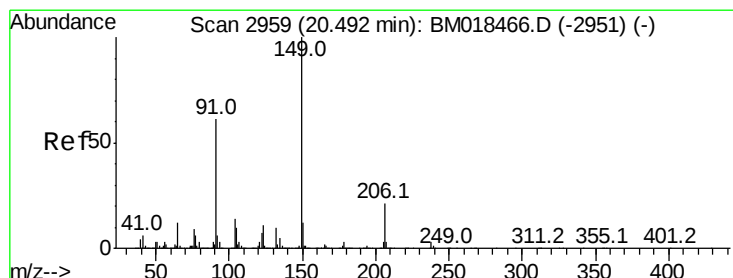
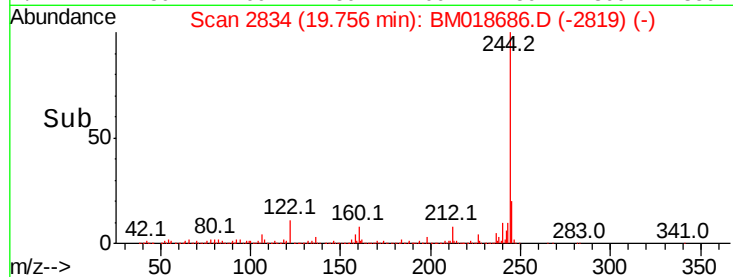
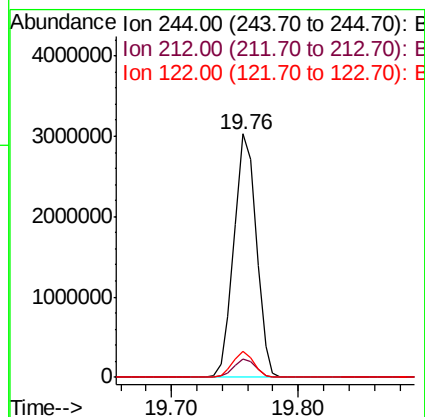
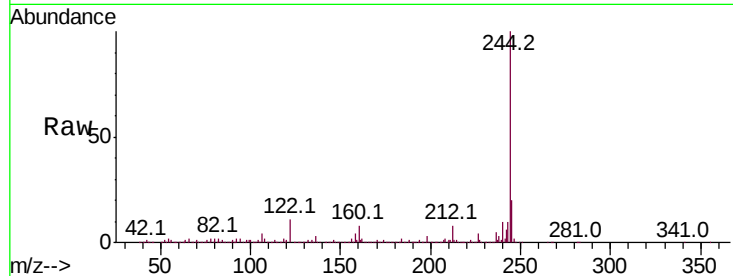
#79
 Terphenyl-d14
 Concen: 94.848 ng
 RT: 19.76 min Scan# 2834
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Instrument :
 BNA_M
 ClientSampleId :
 HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	10.6	9.0	13.4

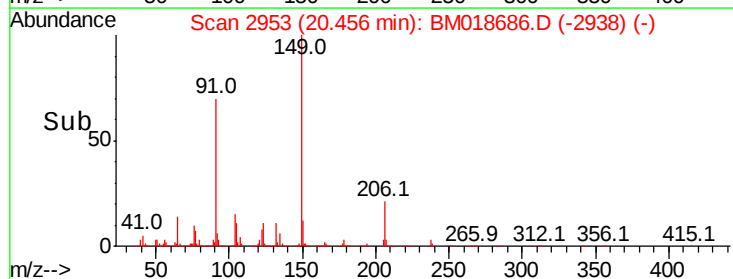
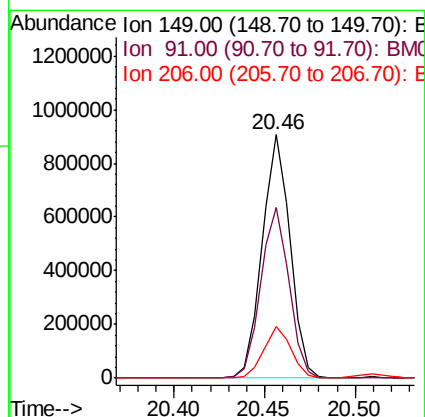
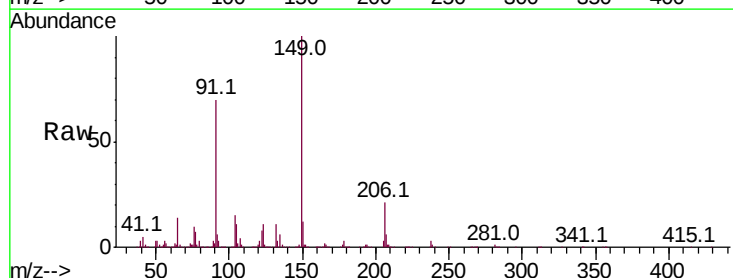
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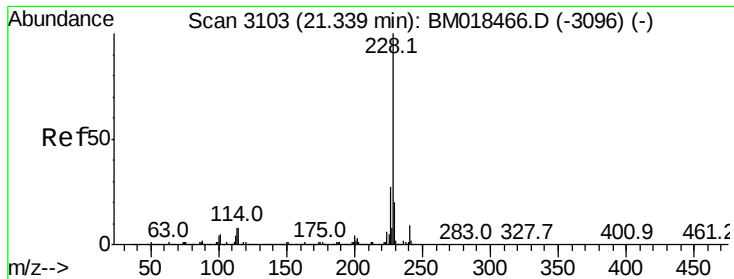
mohammad
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#80
 Butylbenzylphthalate
 Concen: 46.723 ng
 RT: 20.46 min Scan# 2953
 Delta R.T. -0.01 min
 Lab File: BM018686.D
 Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.2	53.1	79.7
206	21.4	16.2	24.4





#81

Benzo(a)anthracene

Concen: 47.372 ng

RT: 21.30 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

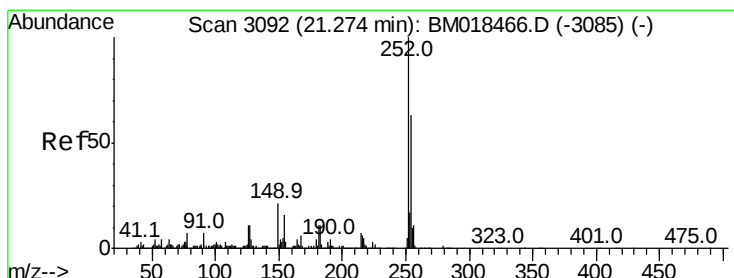
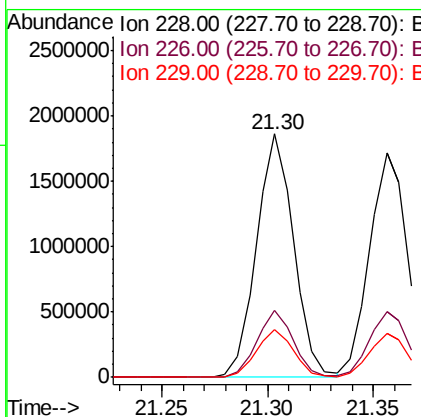
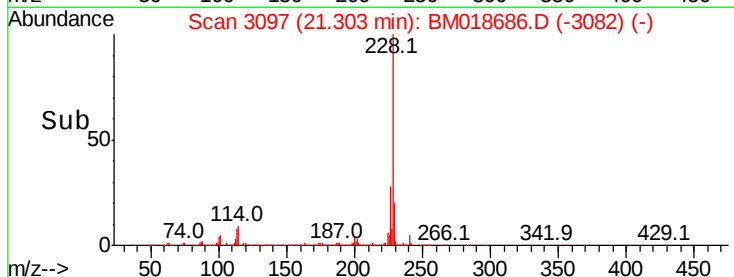
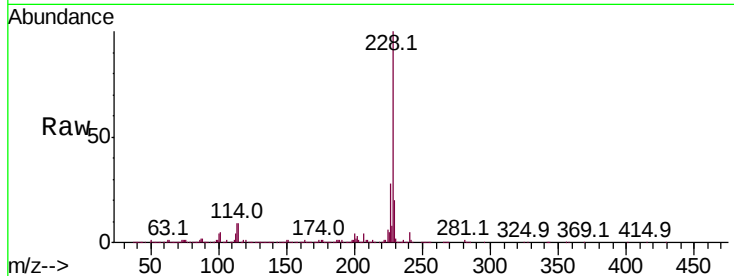
ClientSampleId :

HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.6
229	19.6	15.8	23.8

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#82

3,3'-Dichlorobenzidine

Concen: 12.147 ng

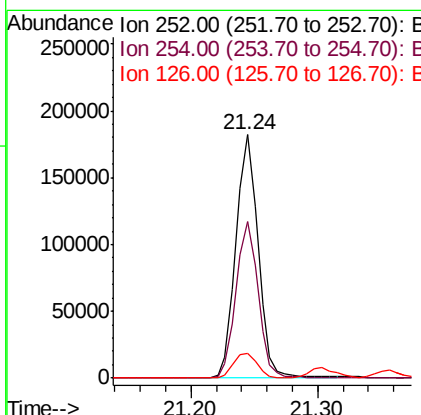
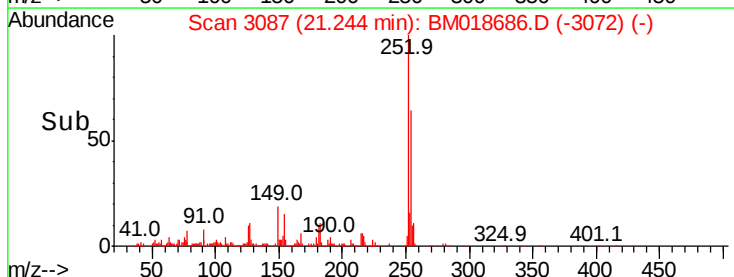
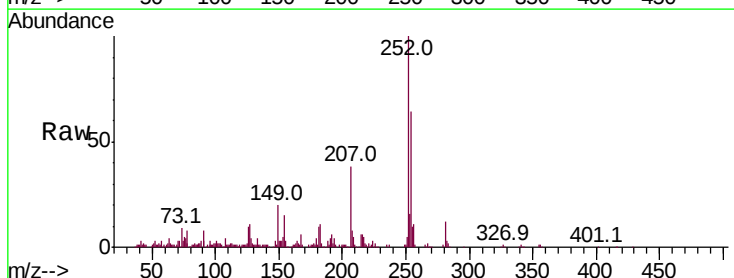
RT: 21.24 min Scan# 3087

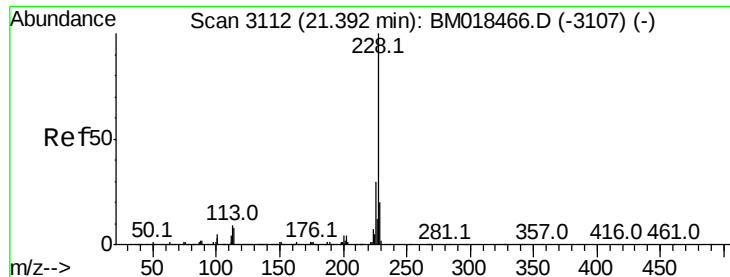
Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.0
126	10.2	8.7	13.1





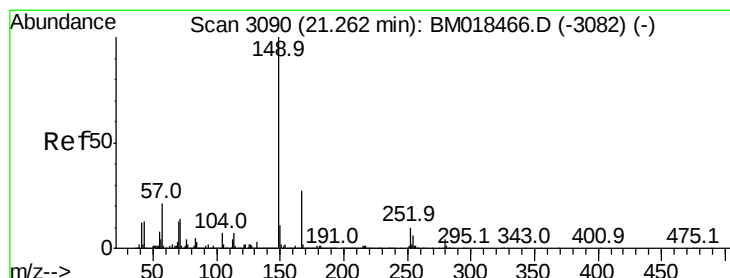
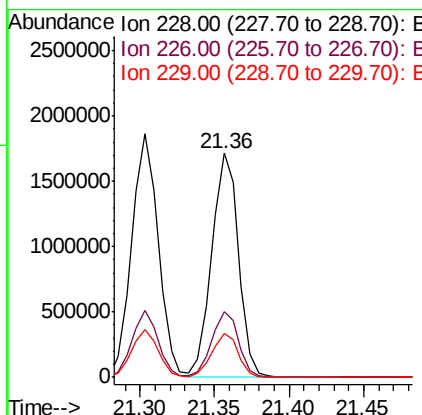
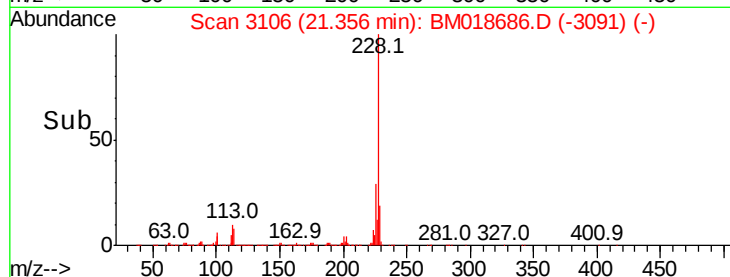
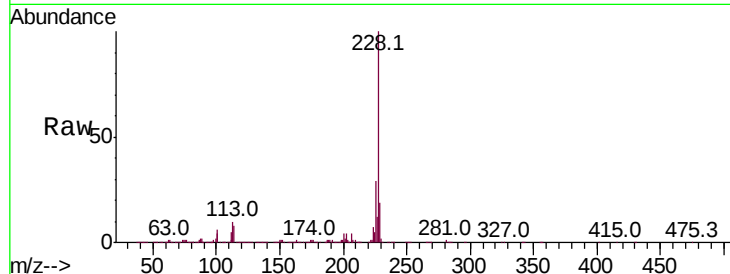
#83
Chrysene
Concen: 46.013 ng
RT: 21.36 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.2	36.2
229	19.4	15.6	23.4

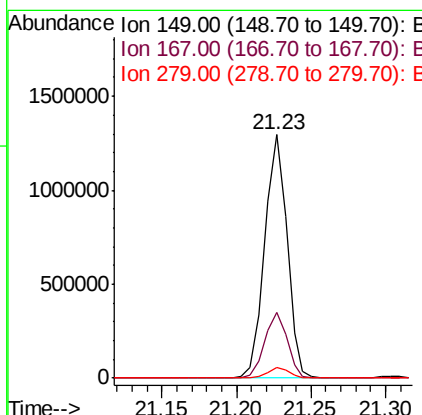
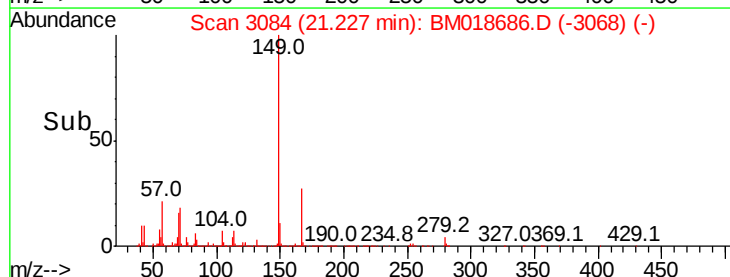
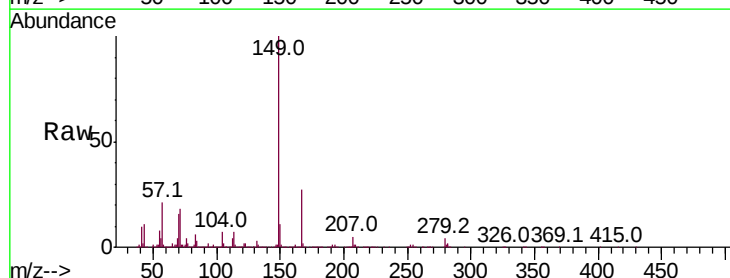
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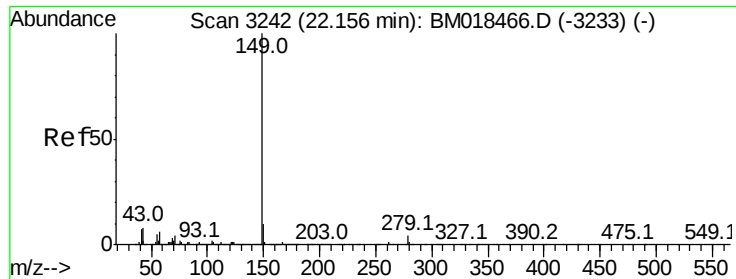
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 44.674 ng
RT: 21.23 min Scan# 3084
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.1	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 45.564 ng

RT: 22.12 min Scan# 3235

Delta R.T. -0.01 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Instrument :

BNA_M

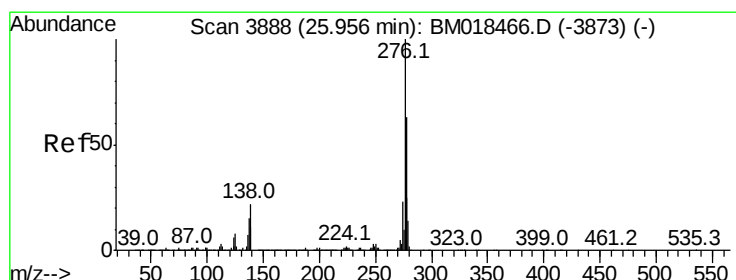
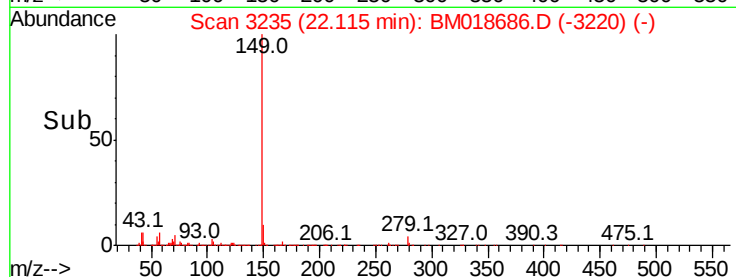
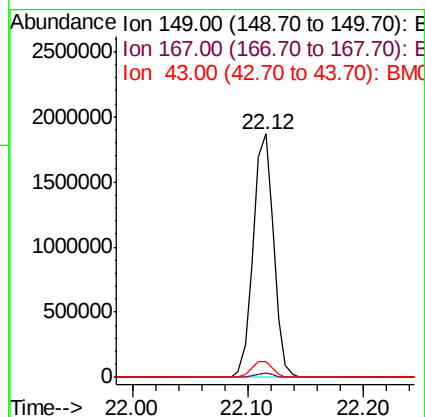
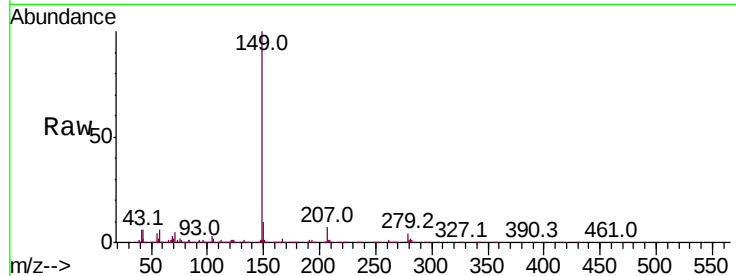
ClientSampleId :

HD-01-012819MSD

Tot Ion:	149	Resp:	2290277
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	6.7	8.6	12.8#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 54.322 ng

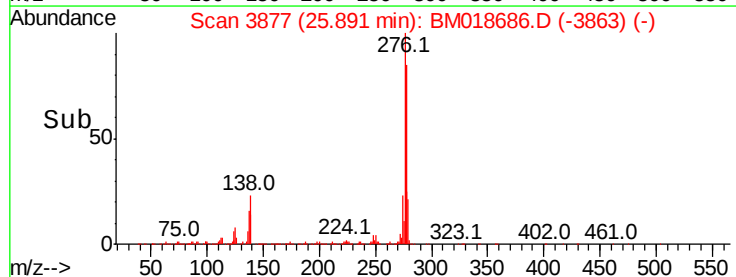
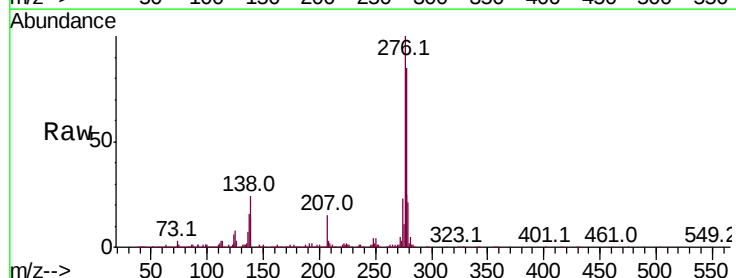
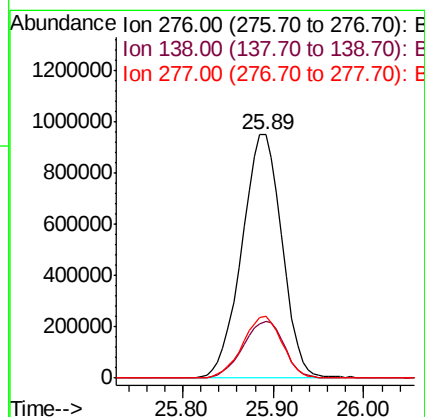
RT: 25.89 min Scan# 3877

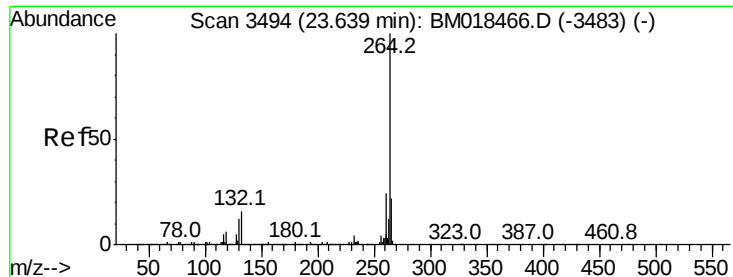
Delta R.T. -0.02 min

Lab File: BM018686.D

Acq: 29 Jan 2019 20:26

Tgt Ion:	276	Resp:	2915805
Ion Ratio	Lower	Upper	
276	100		
138	24.0	21.5	32.3
277	25.2	20.2	30.2





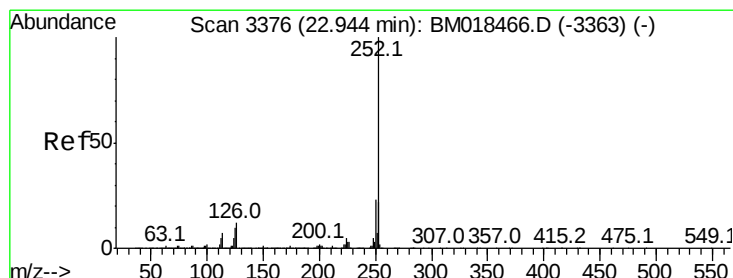
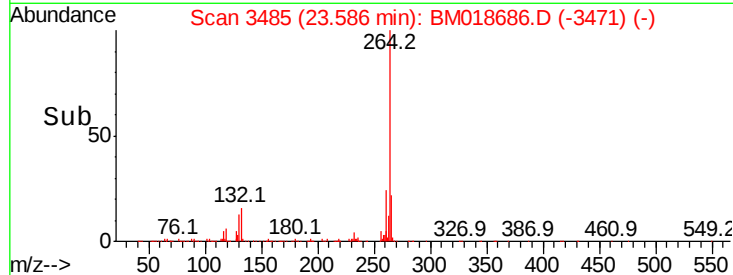
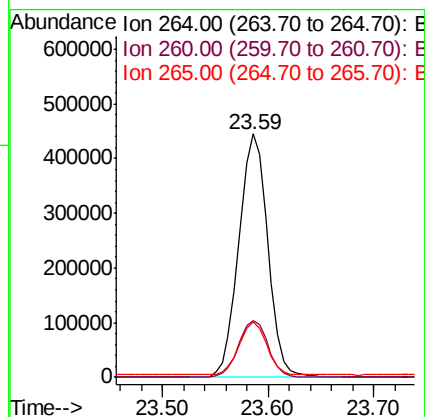
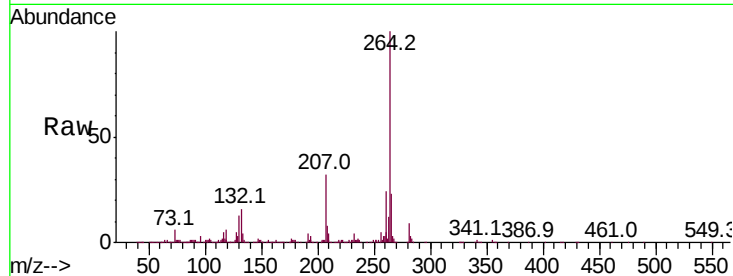
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.59 min Scan# 3485
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	22.9	16.8	25.2

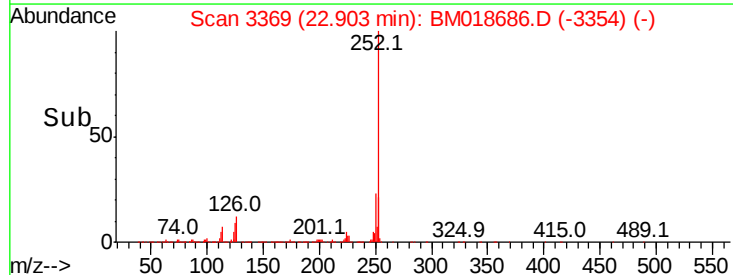
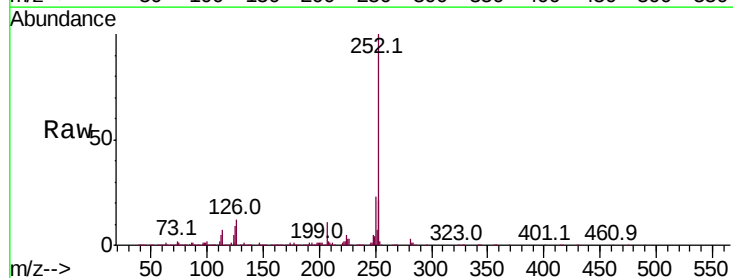
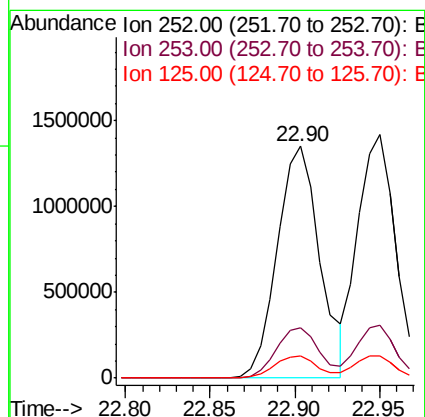
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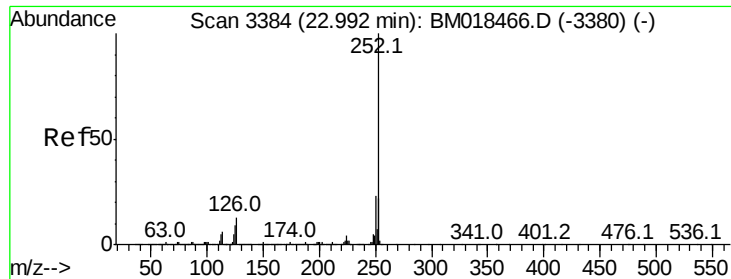
mohammad
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#88
Benzo(b)fluoranthene
Concen: 48.938 ng
RT: 22.90 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	9.5	8.5	12.7





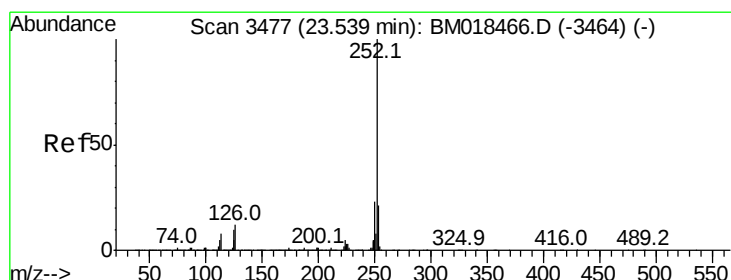
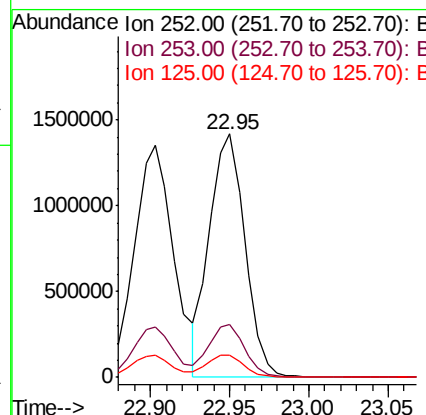
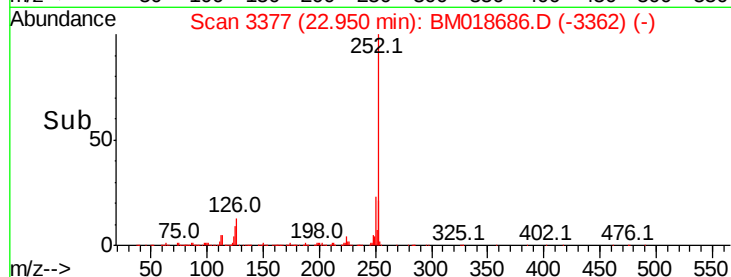
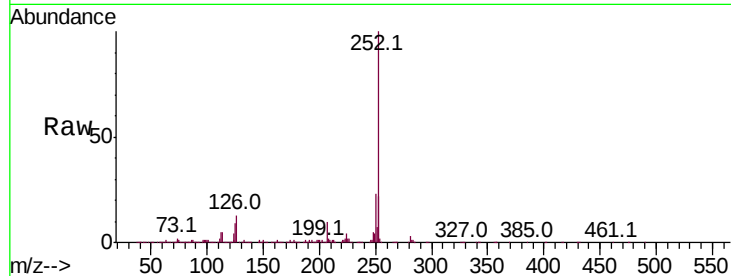
#89
Benzo(k)fluoranthene
Concen: 45.565 ng
RT: 22.95 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	9.1	8.6	12.8

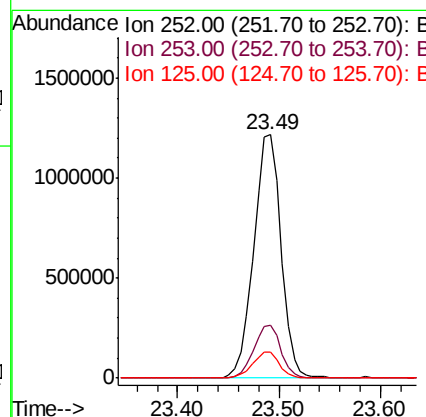
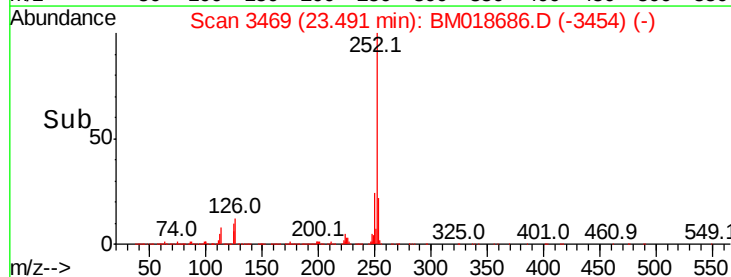
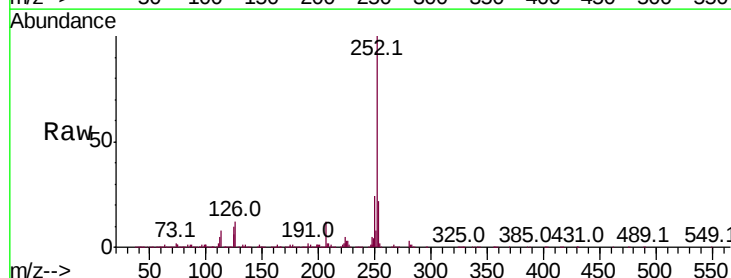
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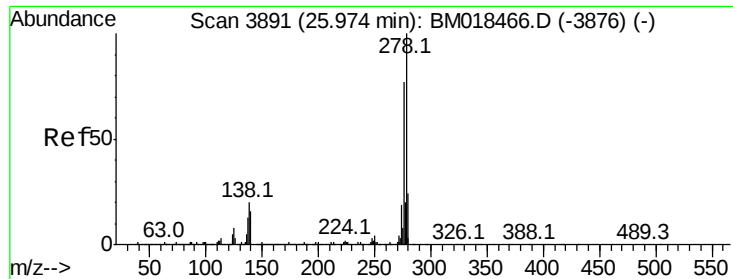
mohammad
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#90
Benzo(a)pyrene
Concen: 49.311 ng
RT: 23.49 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.5	9.7	14.5





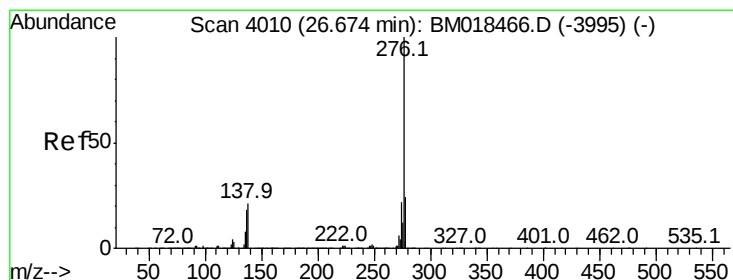
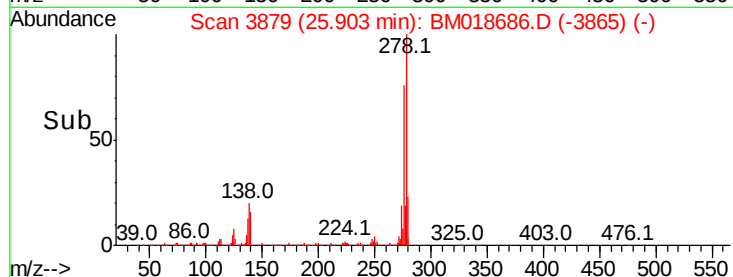
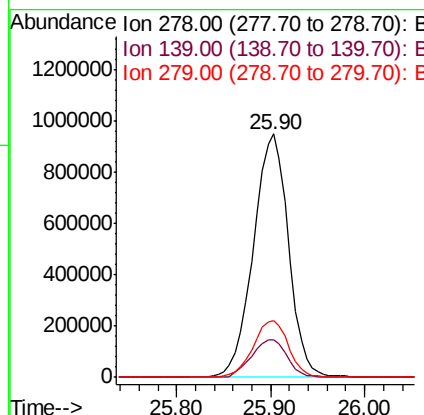
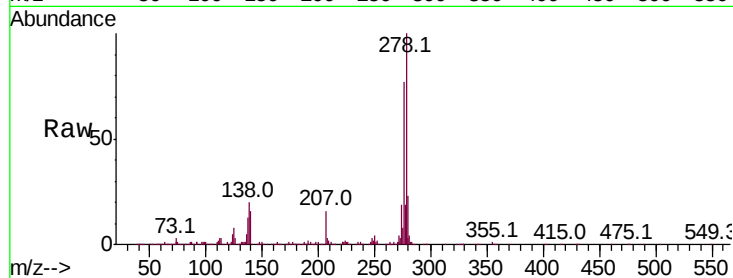
#91
Dibenzo(a,h)anthracene
Concen: 52.712 ng
RT: 25.90 min Scan# 3879
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Instrument :
BNA_M
ClientSampleId :
HD-01-012819MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.2	19.8
279	23.5	19.0	28.4

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#92
Benzo(g,h,i)perylene
Concen: 53.922 ng
RT: 26.60 min Scan# 3997
Delta R.T. -0.02 min
Lab File: BM018686.D
Acq: 29 Jan 2019 20:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	21.3	18.1	27.1

