

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052819\
 Data File : BM020578.D
 Acq On : 28 May 2019 13:14
 Operator : JU/SJ
 Sample : K2641-12MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Manual Integrations
 APPROVED

mohammad
 5/29/2019 6:16:15 PM

Quant Time: May 28 16:00:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 16:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	55531	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	180463	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	118442	20.00	ng	-0.01
64) Phenanthrene-d10	17.07	188	300766	20.00	ng	0.00
76) Chrysene-d12	21.26	240	363668	20.00	ng	-0.01
87) Perylene-d12	23.50	264	399932	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	400896	141.63	ng	0.00
7) Phenol-d6	6.83	99	475510	111.30	ng	-0.01
23) Nitrobenzene-d5	8.83	82	392179	91.21	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	317826	133.94	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	830529	87.99	ng	-0.01
79) Terphenyl-d14	19.70	244	1796007	89.28	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.18	88	60829	41.067	ng	# 77
3) Pyridine	3.58	79	98846	23.177	ng	98
4) n-Nitrosodimethylamine	3.49	42	45747	43.551	ng	87
6) Aniline	7.00	93	52716	8.530	ng	97
8) 2-Chlorophenol	7.22	128	141969	41.017	ng	99
9) Benzaldehyde	6.86	77	9950m	3.648	ng	
10) Phenol	6.86	94	160492	34.788	ng	98
11) bis(2-Chloroethyl)ether	7.09	93	134579	39.090	ng	96
12) 1,3-Dichlorobenzene	7.53	146	149760	33.785	ng	97
13) 1,4-Dichlorobenzene	7.69	146	150228	33.906	ng	97
14) 1,2-Dichlorobenzene	8.00	146	154313	34.740	ng	99
15) Benzyl Alcohol	7.91	79	126778	32.068	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.17	45	89518	37.306	ng	98
17) 2-Methylphenol	8.10	107	103822	34.087	ng	96
18) Hexachloroethane	8.71	117	61507	34.269	ng	95
19) n-Nitroso-di-n-propylamine	8.46	70	128744	33.937	ng	97
20) 3+4-Methylphenols	8.43	107	126096	30.871	ng	99
22) Acetophenone	8.49	105	216494	43.565	ng	# 99
24) Nitrobenzene	8.87	77	186044	43.815	ng	96
25) Isophorone	9.38	82	342808	42.850	ng	99
26) 2-Nitrophenol	9.57	139	63643	40.621	ng	97
27) 2,4-Dimethylphenol	9.63	122	103985	44.554	ng	97
28) bis(2-Chloroethoxy)methane	9.87	93	164561	39.515	ng	99
29) 2,4-Dichlorophenol	10.10	162	119305	38.434	ng	96
30) 1,2,4-Trichlorobenzene	10.30	180	172809	40.715	ng	99
31) Naphthalene	10.49	128	390599	41.919	ng	99
32) Benzoic acid	9.77	122	23376	21.924	ng	90
33) 4-Chloroaniline	10.66	127	13161m	3.539	ng	
34) Hexachlorobutadiene	10.75	225	132237	41.905	ng	99
35) Caprolactam	11.45	113	29294m	28.674	ng	
36) 4-Chloro-3-methylphenol	11.75	107	126444	37.432	ng	95
37) 2-Methylnaphthalene	12.11	142	290733	40.842	ng	99
38) 1-Methylnaphthalene	12.33	142	283956	41.170	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.48	216	233078	46.812	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052819\
 Data File : BM020578.D
 Acq On : 28 May 2019 13:14
 Operator : JU/SJ
 Sample : K2641-12MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

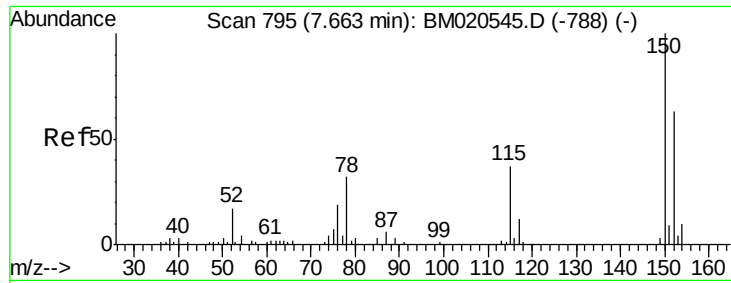
Manual Integrations
 APPROVED

mohammad
 5/29/2019 6:16:15 PM

Quant Time: May 28 16:00:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 16:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.44	237	207350	84.432	ng	98
43) 2,4,6-Trichlorophenol	12.74	196	130511	42.357	ng	97
44) 2,4,5-Trichlorophenol	12.82	196	118143	41.060	ng	98
46) 1,1'-Biphenyl	13.14	154	410730	45.026	ng	99
47) 2-Chloronaphthalene	13.18	162	331858	42.915	ng	97
48) 2-Nitroaniline	13.42	65	77899	33.941	ng	96
49) Acenaphthylene	14.03	152	504244	42.879	ng	99
50) Dimethylphthalate	13.77	163	431221	41.104	ng	99
51) 2,6-Dinitrotoluene	13.91	165	91168	41.695	ng	92
52) Acenaphthene	14.37	154	302771	42.724	ng	99
53) 3-Nitroaniline	14.27	138	18985	14.184	ng	93
54) 2,4-Dinitrophenol	14.47	184	91002	66.102	ng	98
55) Dibenzofuran	14.72	168	531615	43.351	ng	98
56) 4-Nitrophenol	14.57	139	70988	52.515	ng	92
57) 2,4-Dinitrotoluene	14.71	165	127016	40.226	ng	# 90
58) Fluorene	15.36	166	427283	41.945	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	144123	43.047	ng	98
60) Diethylphthalate	15.14	149	427482	41.357	ng	99
61) 4-Chlorophenyl-phenylether	15.36	204	271796	41.793	ng	98
62) 4-Nitroaniline	15.43	138	43162	23.483	ng	96
63) Azobenzene	15.66	77	430954	42.847	ng	98
65) 4,6-Dinitro-2-methylphenol	15.47	198	72840	39.520	ng	96
66) n-Nitrosodiphenylamine	15.59	169	367023	45.005	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	176811	44.129	ng	98
68) Hexachlorobenzene	16.36	284	211226	43.481	ng	98
69) Atrazine	16.54	200	119863	35.723	ng	98
70) Pentachlorophenol	16.72	266	233470	93.042	ng	98
71) Phenanthrene	17.11	178	712728	43.621	ng	99
72) Anthracene	17.20	178	683769	43.153	ng	99
73) Carbazole	17.49	167	547248	40.244	ng	98
74) Di-n-butylphthalate	18.03	149	722089	43.167	ng	99
75) Fluoranthene	19.13	202	971102	42.740	ng	100
77) Benzidine	19.39	184	15216m	2.277	ng	
78) Pyrene	19.50	202	988254	43.285	ng	99
80) Butylbenzylphthalate	20.40	149	343614	42.834	ng	99
81) Benzo(a)anthracene	21.25	228	1033064	41.044	ng	100
82) 3,3'-Dichlorobenzidine	21.20	252	160452	17.465	ng	99
83) Chrysene	21.30	228	1076161	44.248	ng	99
84) Bis(2-ethylhexyl)phthalate	21.16	149	529362	45.276	ng	100
85) Di-n-octyl phthalate	22.04	149	947887	46.635	ng	100
86) Indeno(1,2,3-cd)pyrene	25.77	276	1409885	47.944	ng	100
88) Benzo(b)fluoranthene	22.83	252	1174679	44.876	ng	99
89) Benzo(k)fluoranthene	22.87	252	1163757	45.808	ng	99
90) Benzo(a)pyrene	23.41	252	1130306	46.924	ng	99
91) Dibenzo(a,h)anthracene	25.78	278	1206232	48.920	ng	99
92) Benzo(g,h,i)perylene	26.47	276	1167283	51.070	ng	99

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



#1

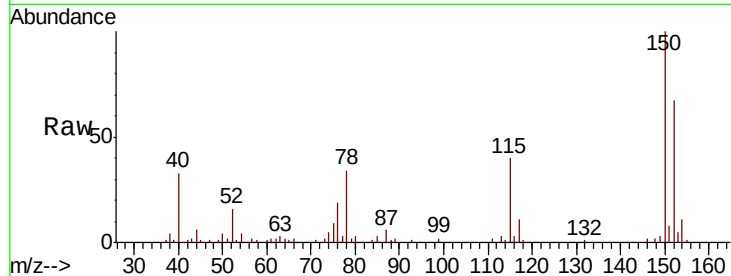
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	126.6	190.0
115	60.4	46.6	70.0

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

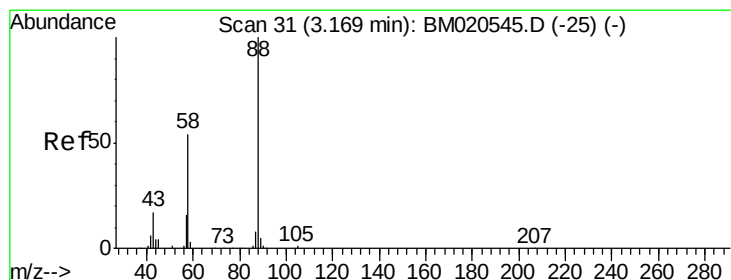
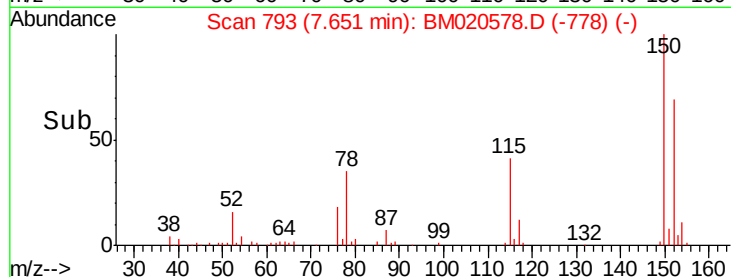
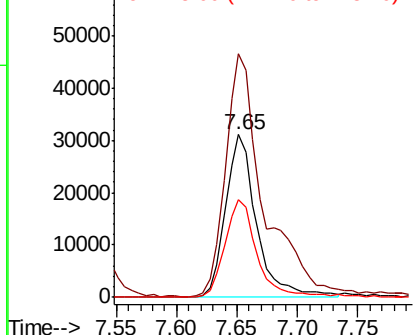


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

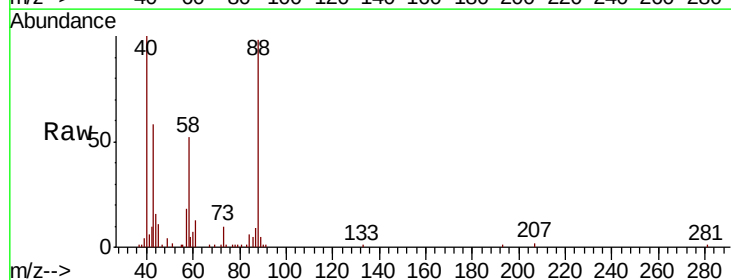
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 41.067 ng
RT: 3.18 min Scan# 32
Delta R.T. 0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
88	100		
58	51.9	42.3	63.5
43	56.6	16.0	24.0

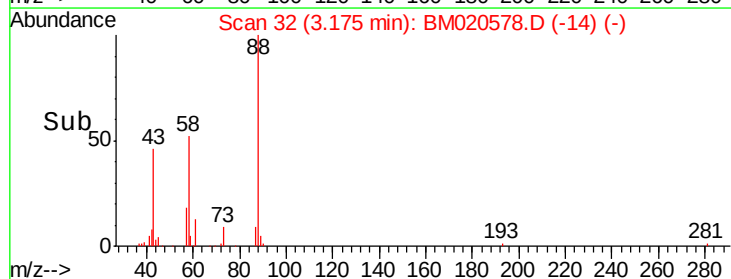
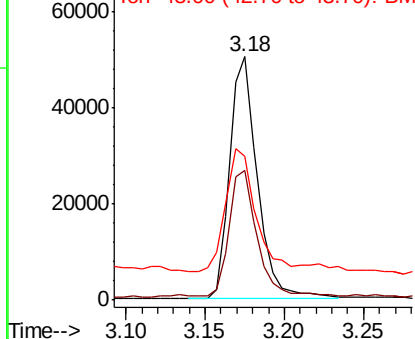


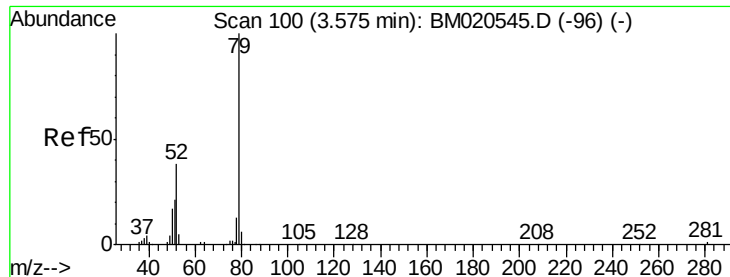
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 23.177 ng

RT: 3.58 min Scan# 101

Delta R.T. 0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

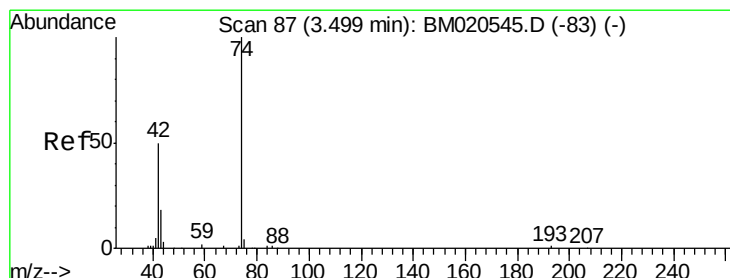
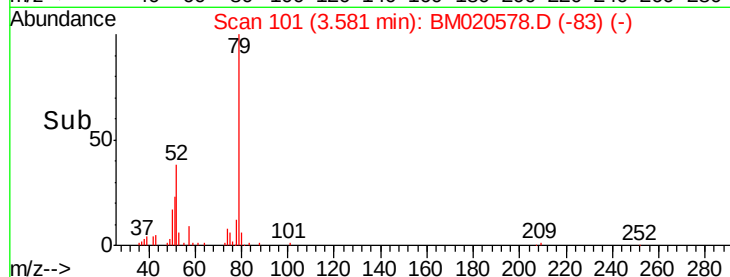
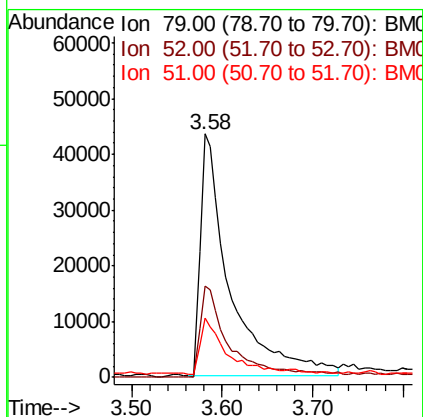
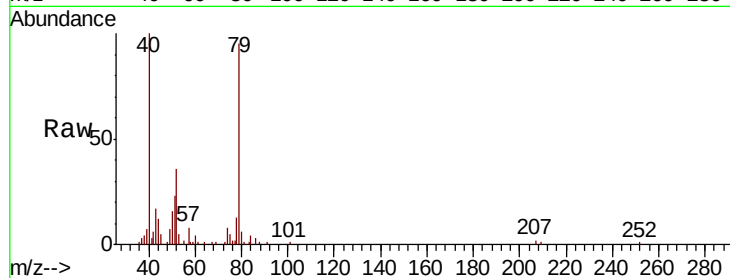
ClientSampleId :

CL-02-051719MSD

Tot Ion:	79	Resp:	98846
Ion	Ratio	Lower	Upper
79	100		
52	37.4	30.1	45.1
51	24.2	17.8	26.8

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#4

n-Nitrosodimethylamine

Concen: 43.551 ng

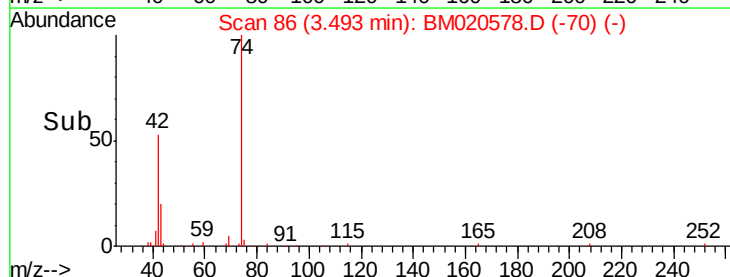
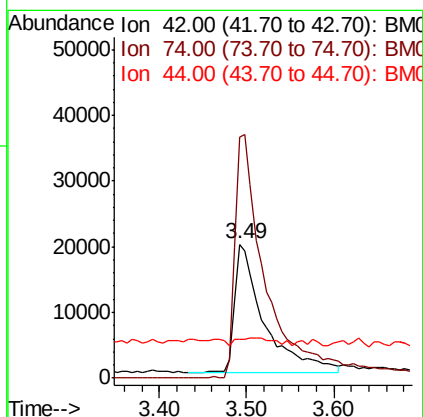
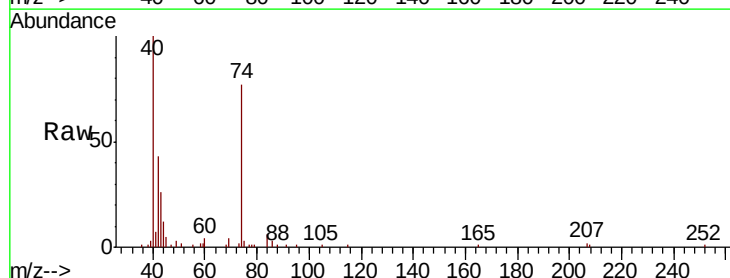
RT: 3.49 min Scan# 86

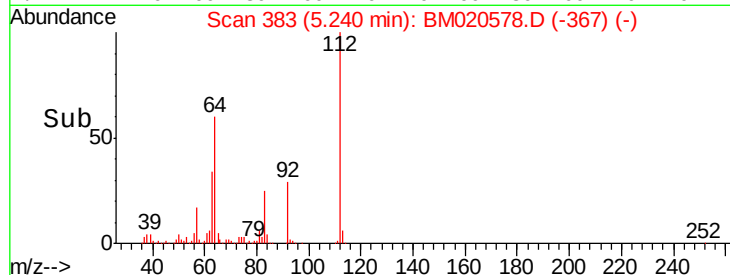
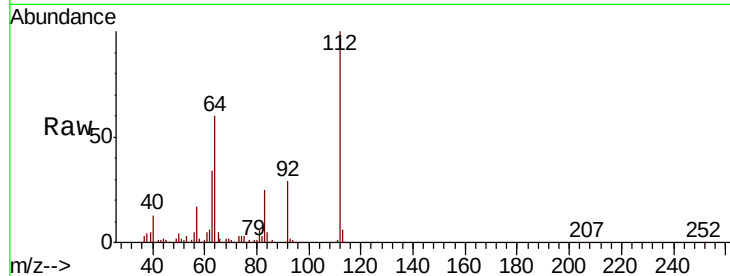
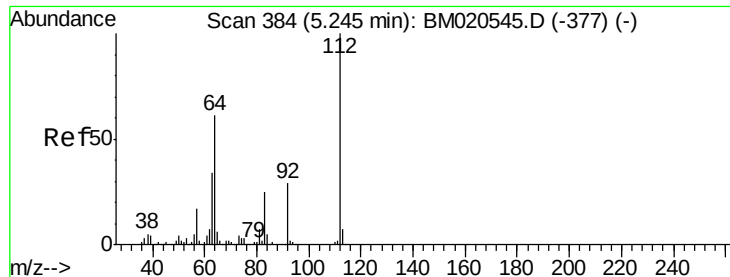
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	42	Resp:	45747
Ion	Ratio	Lower	Upper
42	100		
74	179.7	161.1	241.7
44	28.6	20.9	31.3





#5

2-Fluorophenol

Concen: 141.630 ng

RT: 5.24 min Scan# 383

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tot Ion:	112	Resp:	400896
Ion Ratio	Lower	Upper	
112	100		
64	59.6	48.6	73.0
63	34.2	27.4	41.0

Instrument :

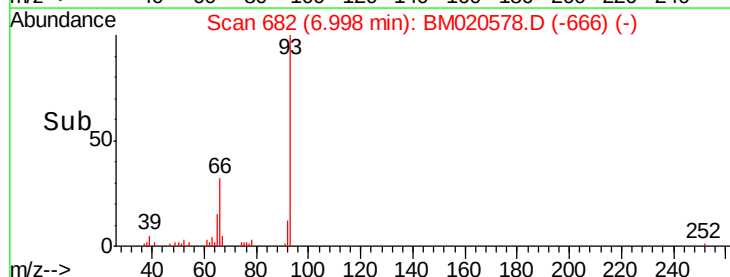
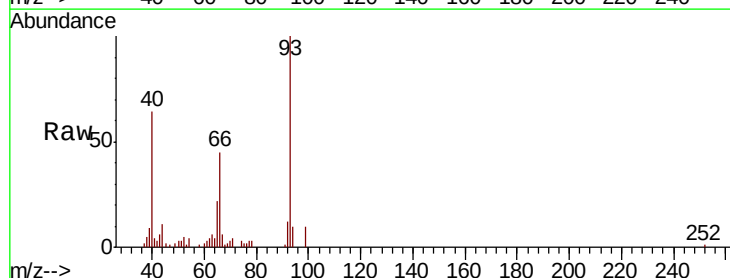
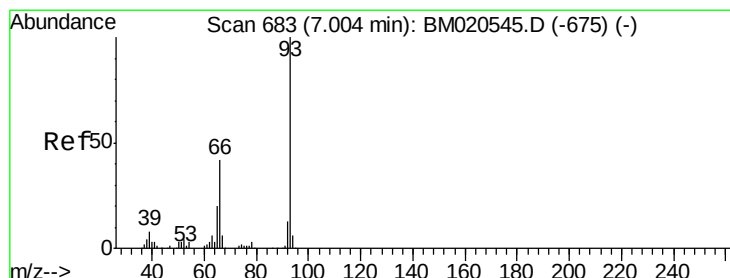
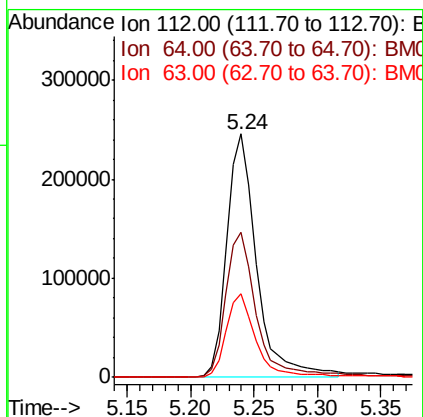
BNA_M

ClientSampleId :

CL-02-051719MSD

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#6

Aniline

Concen: 8.530 ng

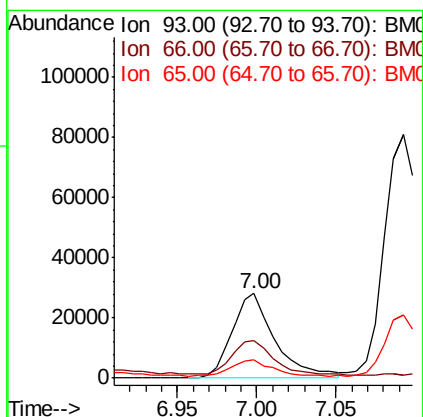
RT: 7.00 min Scan# 682

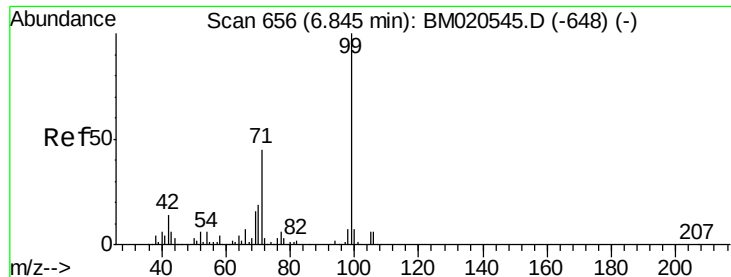
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	93	Resp:	52716
Ion Ratio	Lower	Upper	
93	100		
66	44.7	34.5	51.7
65	21.9	16.2	24.2





#7

Phenol-d6

Concen: 111.300 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

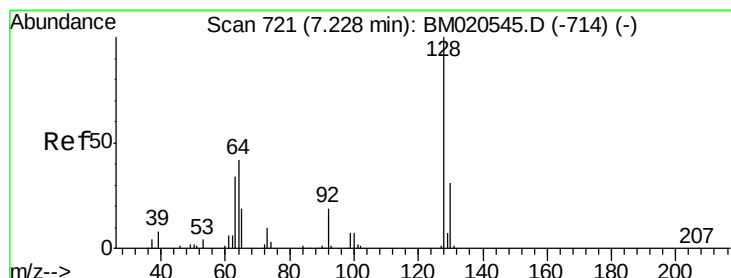
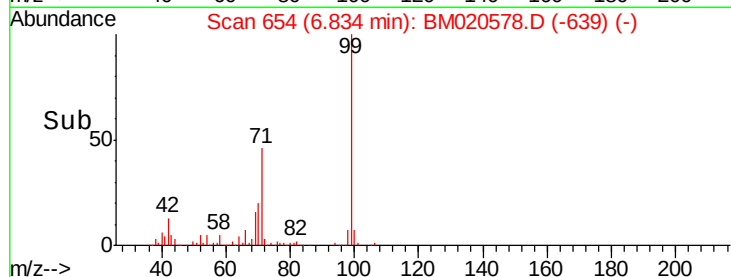
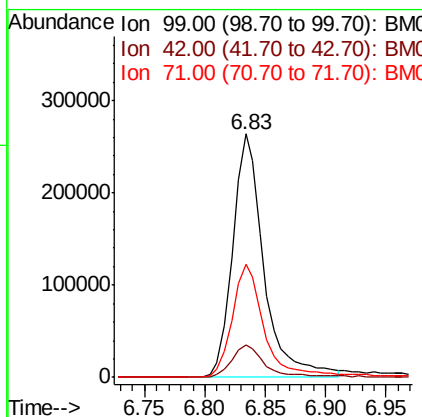
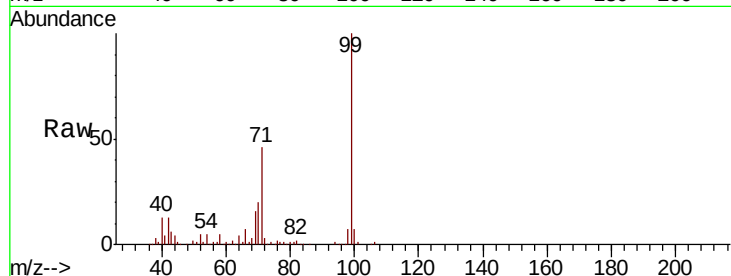
ClientSampleId :

CL-02-051719MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		475510		
42	13.4	10.8	16.2		
71	46.5	36.3	54.5		

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#8

2-Chlorophenol

Concen: 41.017 ng

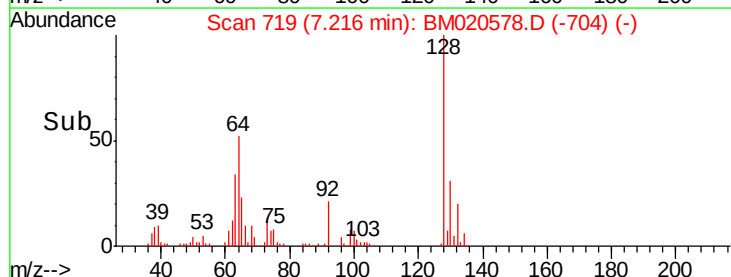
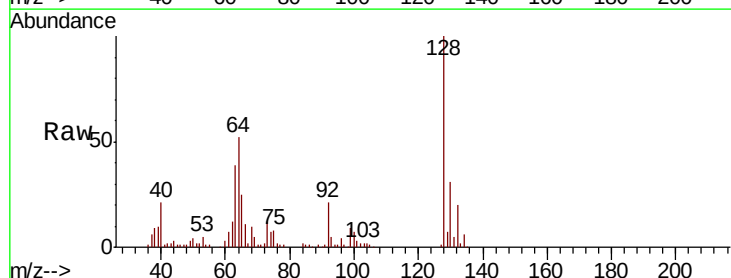
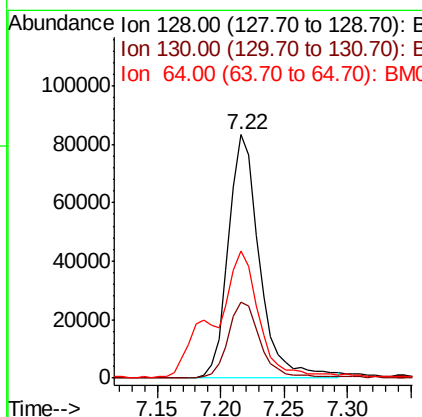
RT: 7.22 min Scan# 719

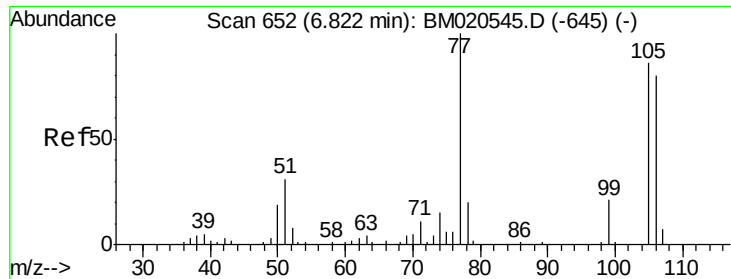
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		141969		
130	31.0	11.2	51.2		
64	52.2	31.1	71.1		





#9

Benzaldehyde

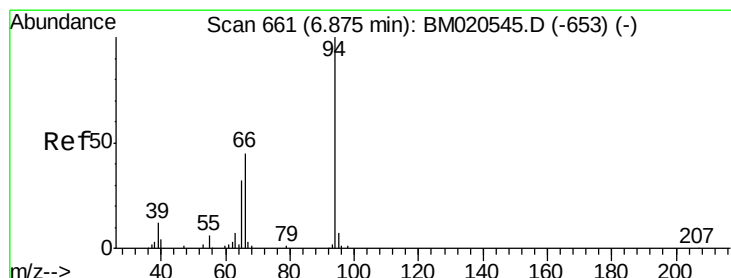
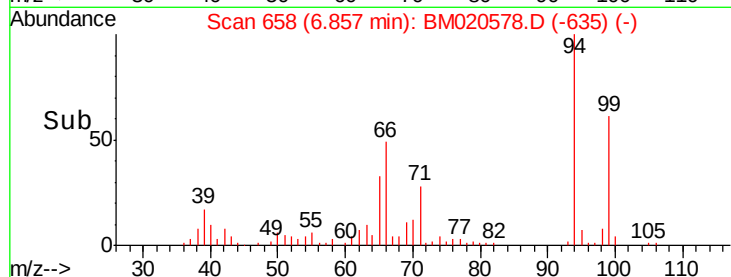
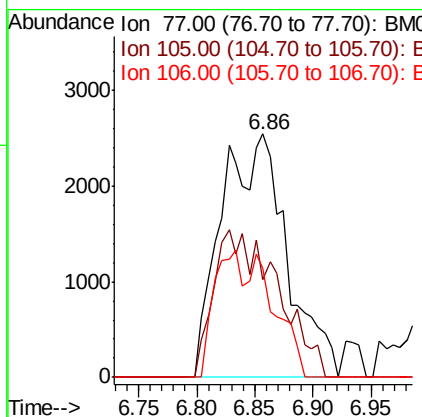
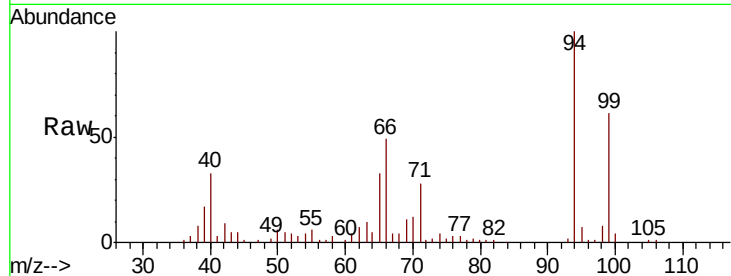
Concen: 3.648 ng/mL
 RT: 6.86 min Scan# 658
 Delta R.T. 0.04 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleID :
 CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	40.2	66.1	106.1#
106	44.9	60.0	100.0#

Manual Integrations
 APPROVED

mohammad
 5/29/2019 6:16:15 PM

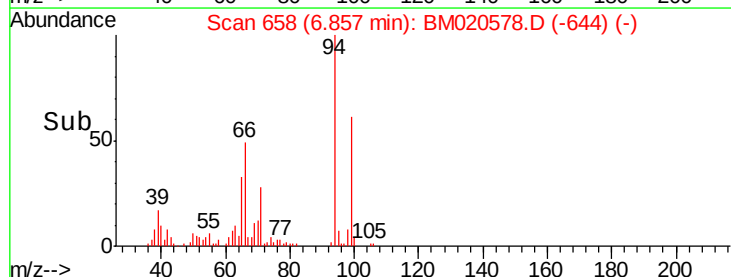
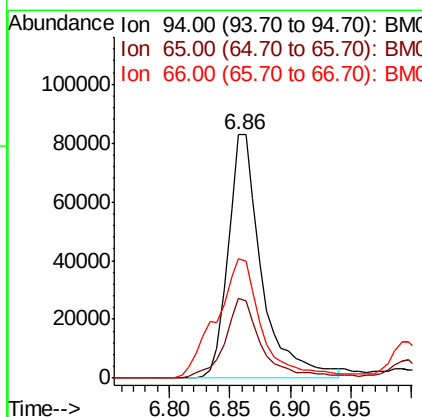
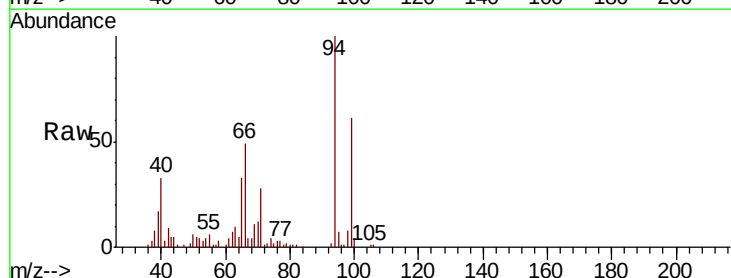


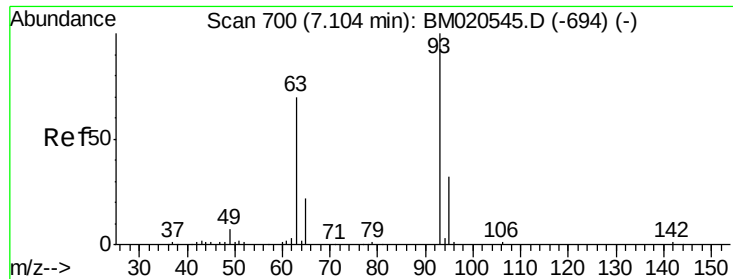
#10

Phenol

Concen: 34.788 ng/mL
 RT: 6.86 min Scan# 658
 Delta R.T. -0.02 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.0	12.4	52.4
66	49.1	27.4	67.4





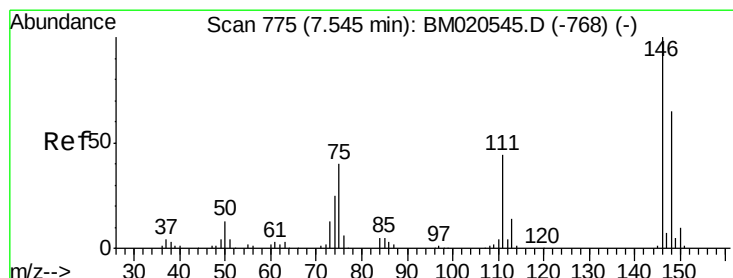
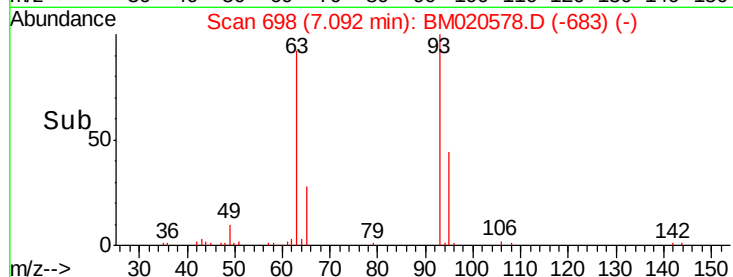
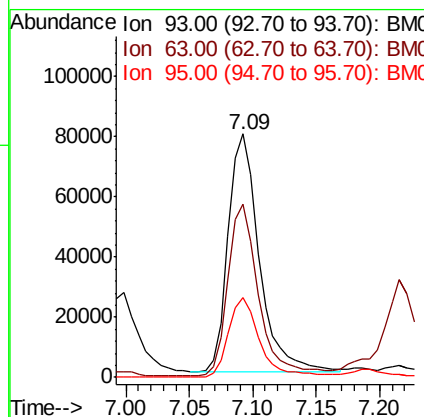
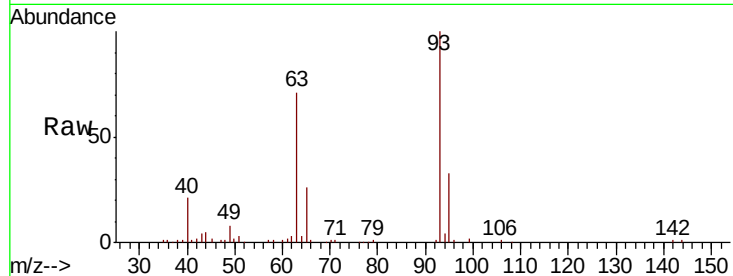
#11
bis(2-Chloroethyl)ether
Concen: 39.090 ng
RT: 7.09 min Scan# 698
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	70.9	47.6	87.6
95	32.8	10.9	50.9

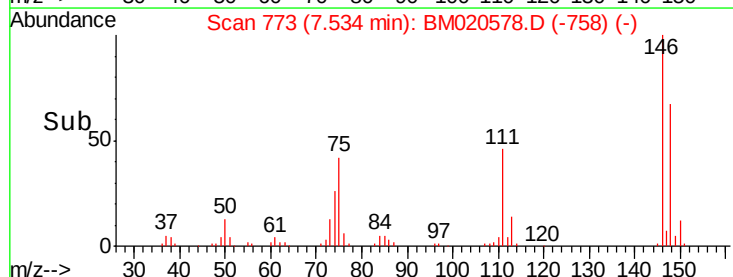
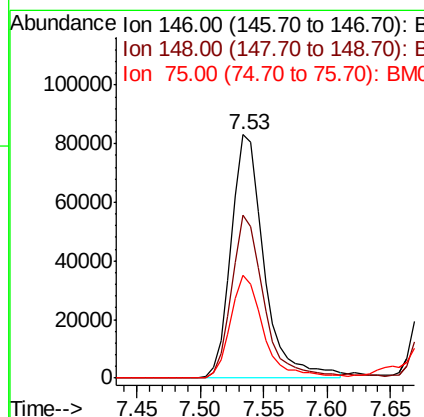
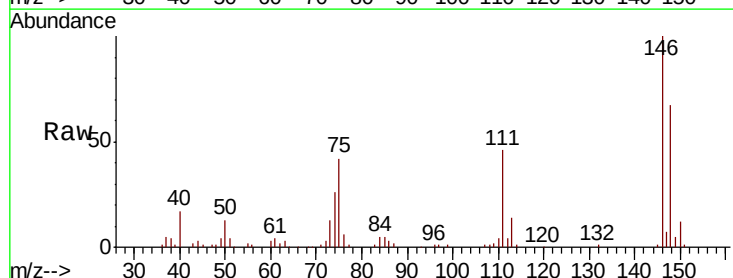
Manual Integrations
APPROVED

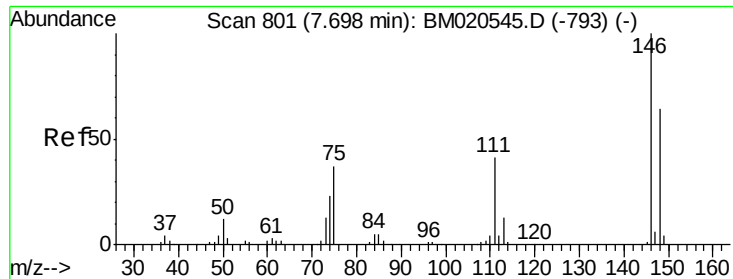
mohammad
5/29/2019 6:16:15 PM



#12
1,3-Dichlorobenzene
Concen: 33.785 ng
RT: 7.53 min Scan# 773
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.9	51.9	77.9
75	42.1	31.6	47.4





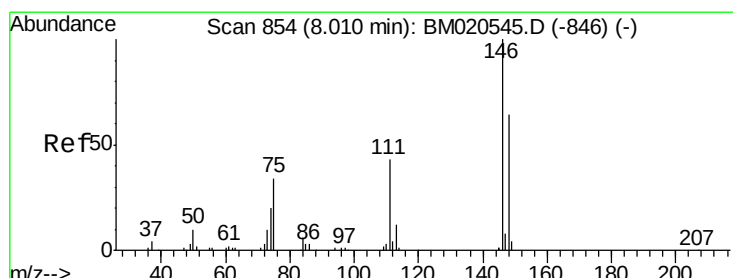
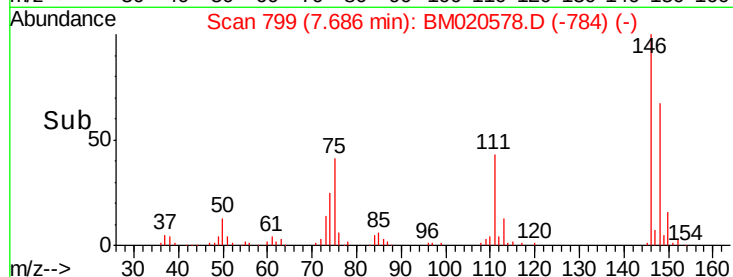
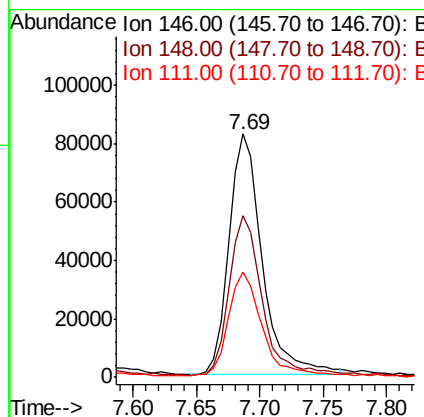
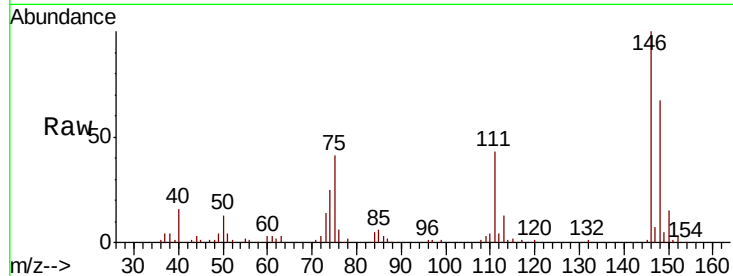
#13
 1,4-Dichlorobenzene
 Concen: 33.906 ng
 RT: 7.69 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.5	51.1	76.7
111	43.0	33.5	50.3

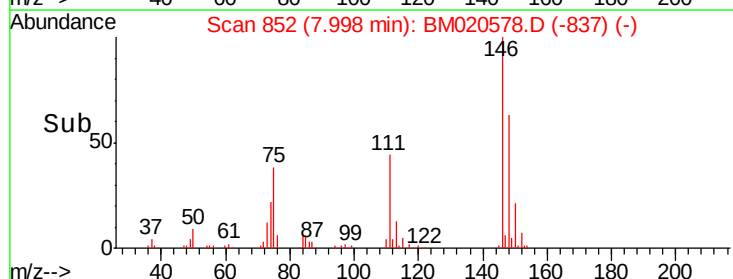
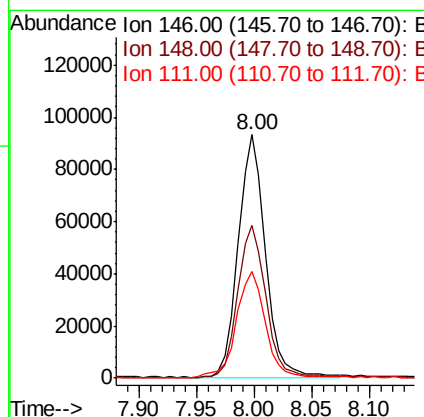
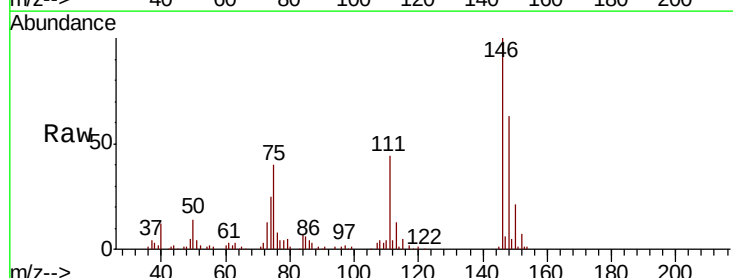
Manual Integrations
 APPROVED

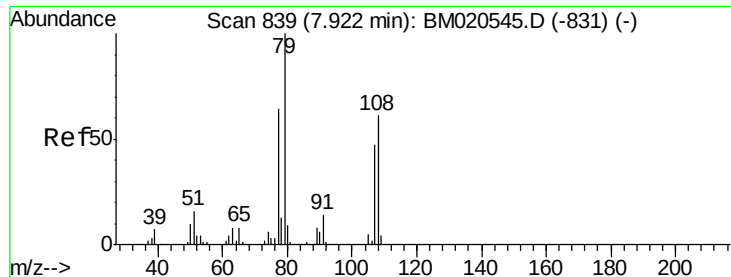
mohammad
 5/29/2019 6:16:15 PM



#14
 1,2-Dichlorobenzene
 Concen: 34.740 ng
 RT: 8.00 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.2	76.8
111	43.9	35.2	52.8





#15

Benzyl Alcohol

Concen: 32.068 ng

RT: 7.91 min Scan# 837

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

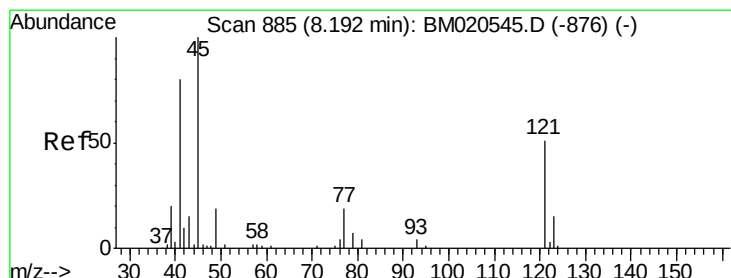
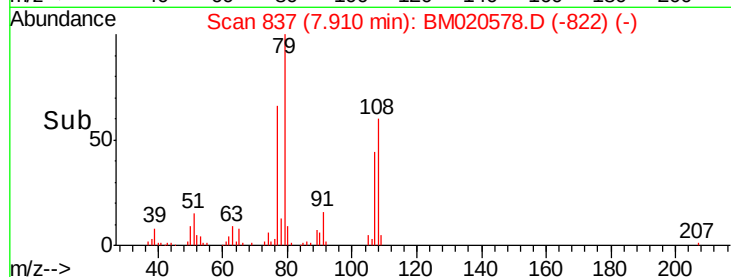
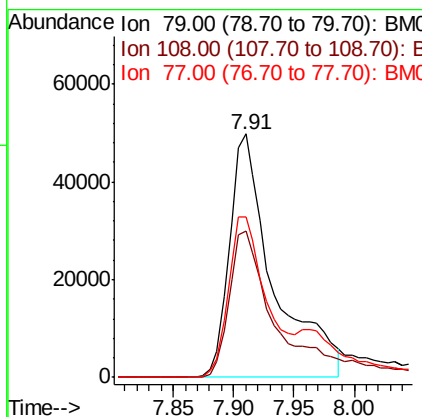
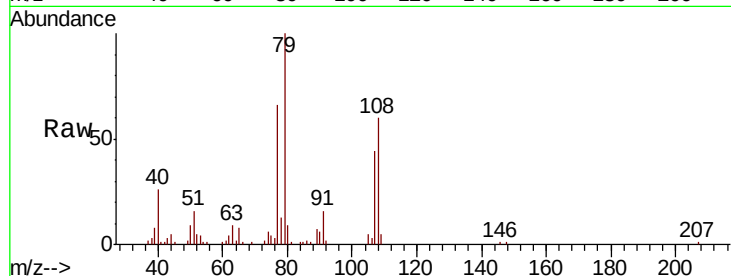
ClientSampleId :

CL-02-051719MSD

Tot Ion	79	Resp	126778
Ion	Ratio	Lower	Upper
79	100		
108	60.2	48.5	72.7
77	65.9	50.9	76.3

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.306 ng

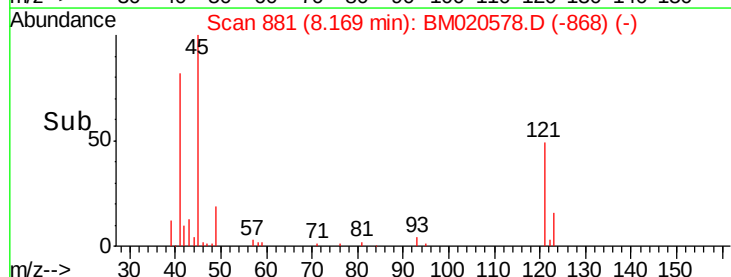
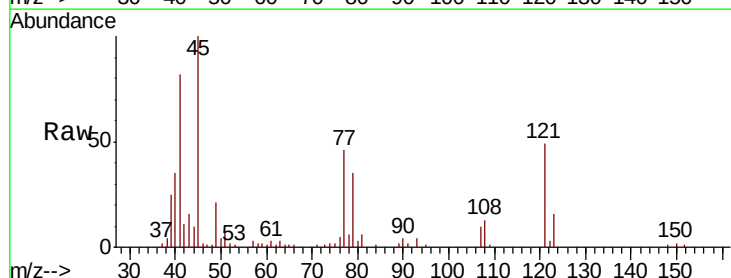
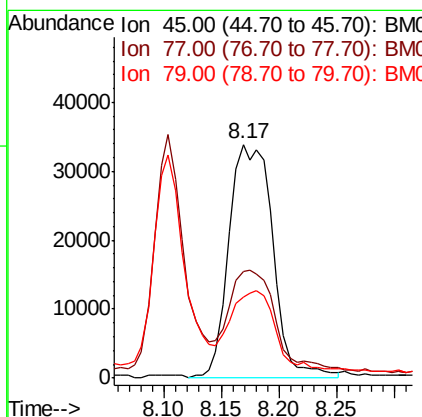
RT: 8.17 min Scan# 881

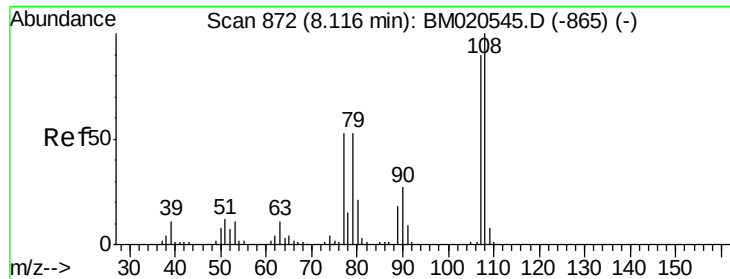
Delta R.T. -0.02 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion	45	Resp	89518
Ion	Ratio	Lower	Upper
45	100		
77	45.6	25.0	65.0
79	34.8	13.1	53.1





#17

2-Methylphenol

Concen: 34.087 ng

RT: 8.10 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

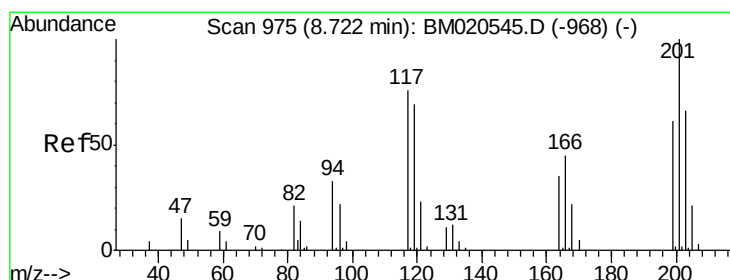
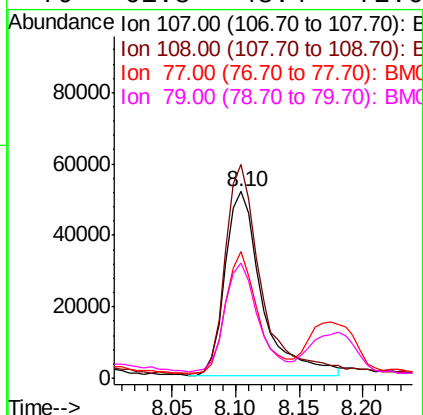
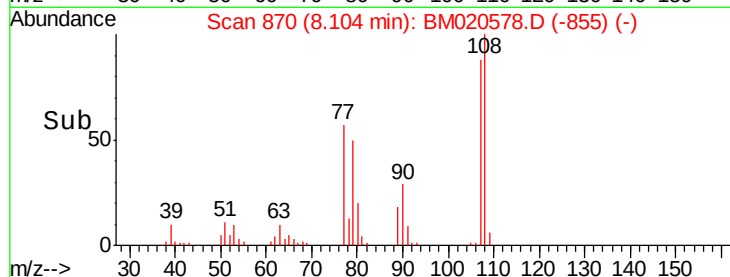
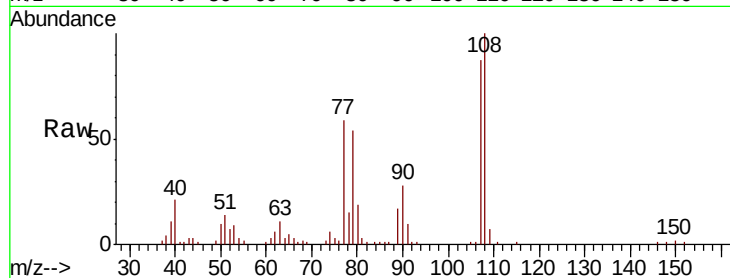
ClientSampleId :

CL-02-051719MSD

Tot Ion:	107	Resp:	103822
Ion Ratio	Lower	Upper	
107	100		
108	114.5	89.4	134.2
77	67.6	48.2	72.4
79	61.8	48.4	72.6

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#18

Hexachloroethane

Concen: 34.269 ng

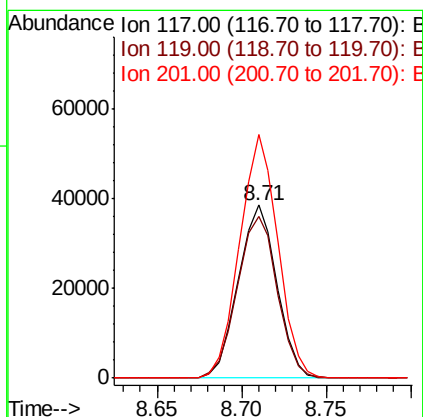
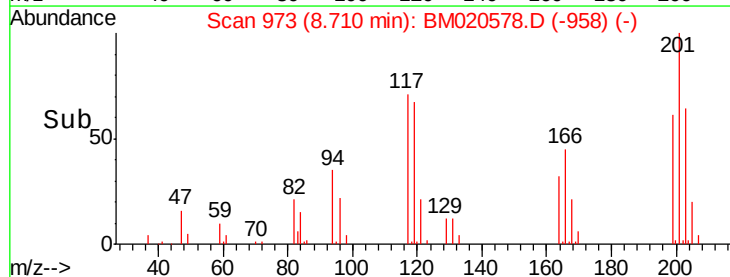
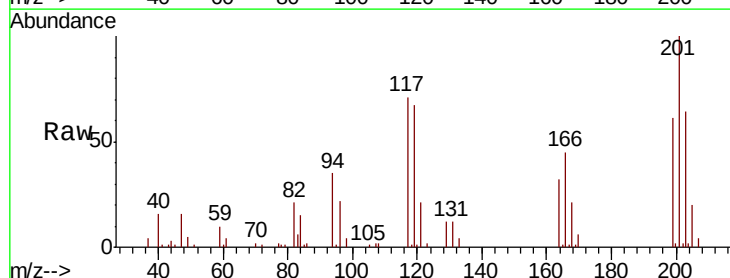
RT: 8.71 min Scan# 973

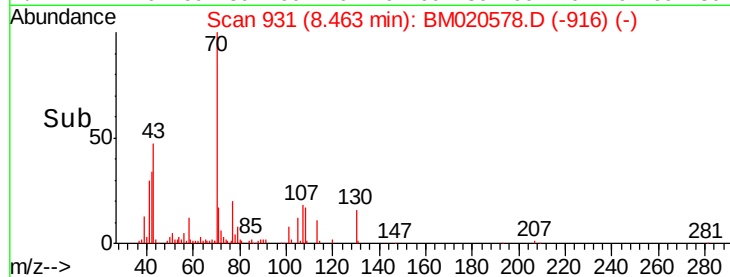
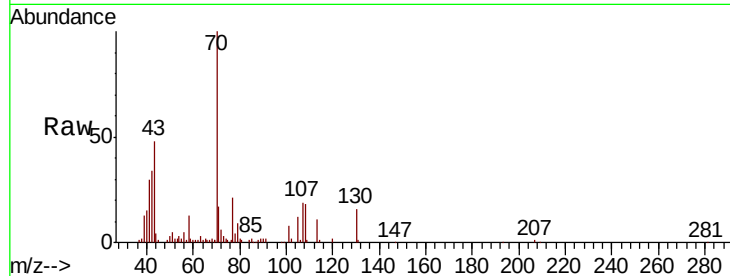
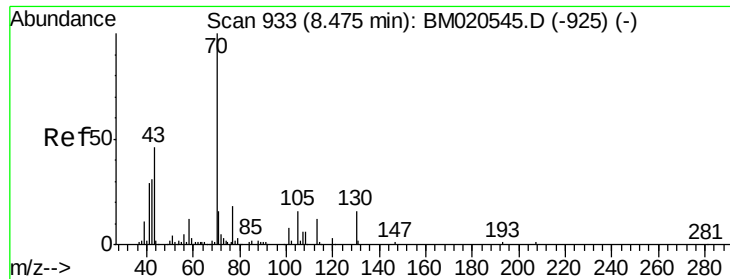
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	117	Resp:	61507
Ion Ratio	Lower	Upper	
117	100		
119	94.0	73.2	109.8
201	141.0	105.8	158.8





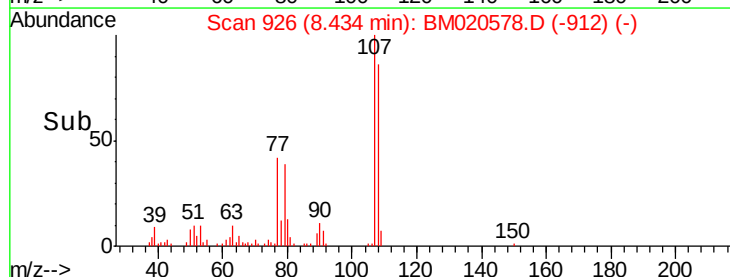
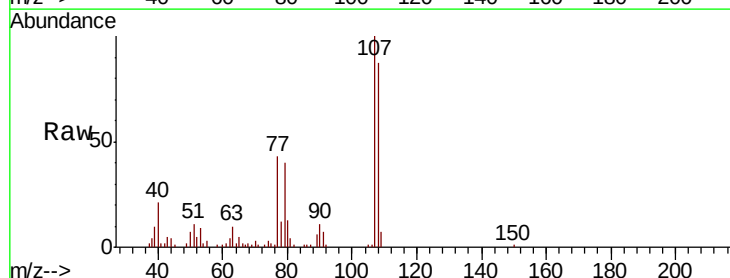
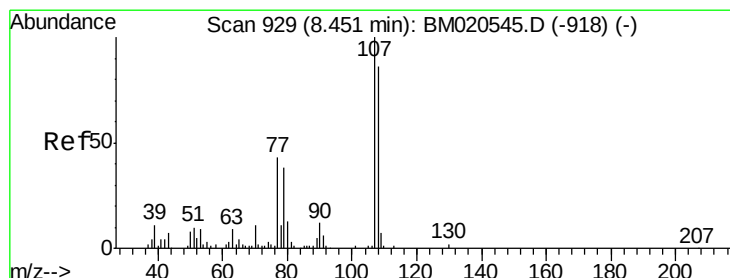
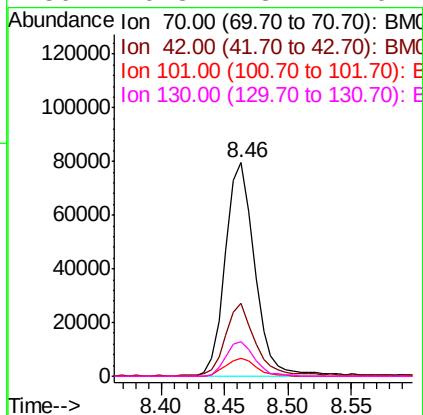
#19
n-Nitroso-di-n-propylamine
Concen: 33.937 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Manual Integrations
APPROVED

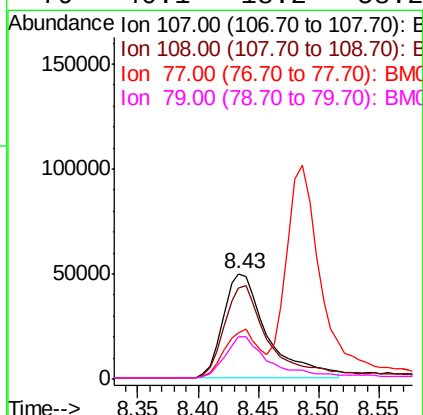
mohammad
5/29/2019 6:16:15 PM

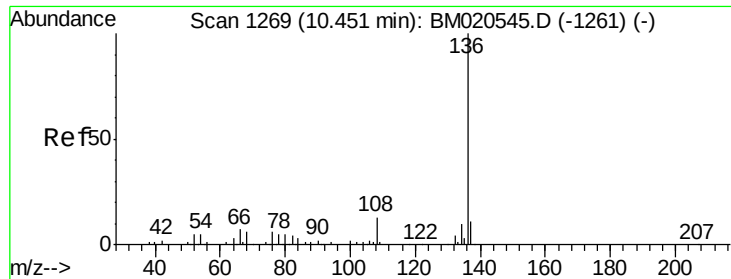
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	34.1	24.7	37.1	
101	8.4	6.8	10.2	
130	16.3	13.1	19.7	



#20
3+4-Methylphenols
Concen: 30.871 ng
RT: 8.43 min Scan# 926
Delta R.T. -0.02 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.5	66.5	106.5	
77	43.3	23.0	63.0	
79	40.1	18.2	58.2	





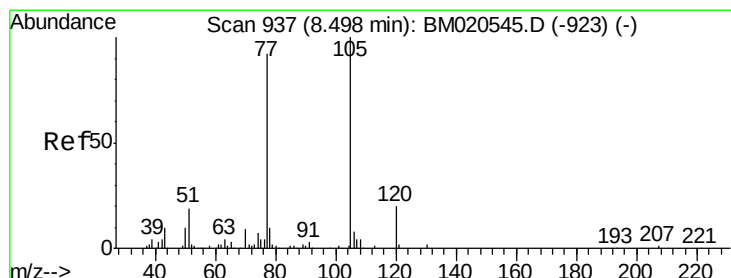
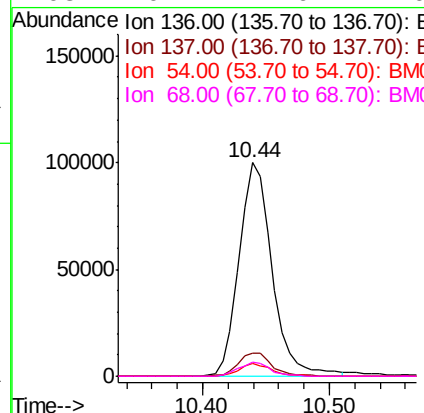
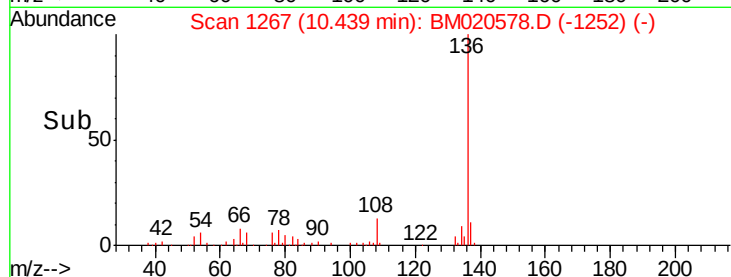
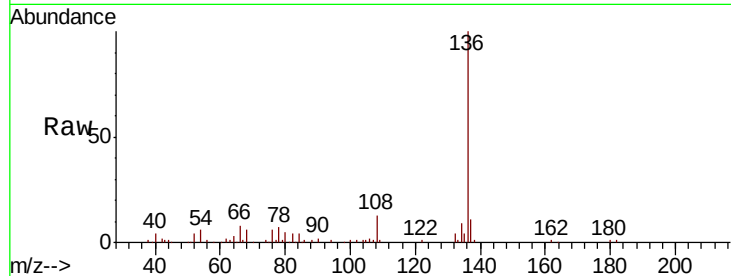
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.44 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		180463		
137	10.5		8.4	12.6	
54	6.1		4.2	6.4	
68	6.4		4.6	7.0	

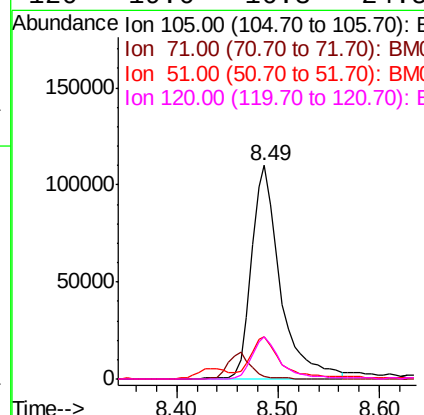
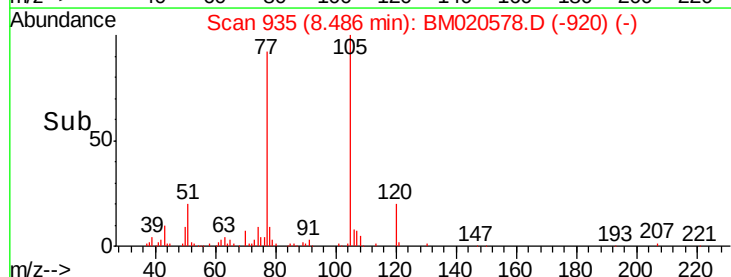
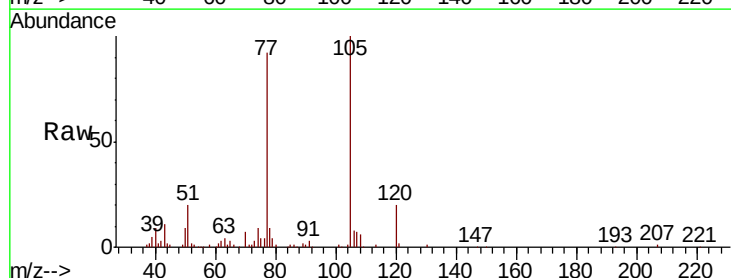
Manual Integrations
APPROVED

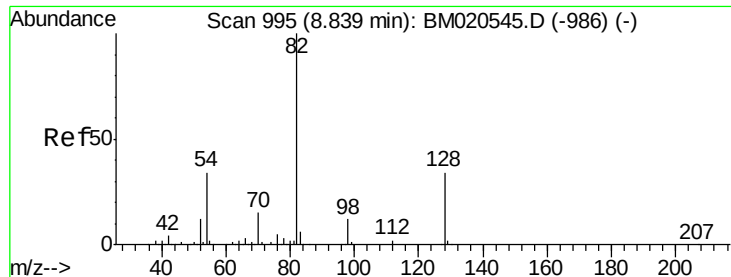
mohammad
5/29/2019 6:16:15 PM



#22
Acetophenone
Concen: 43.565 ng
RT: 8.49 min Scan# 935
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		216494		
71	1.2		1.3	1.9#	
51	19.6		15.7	23.5	
120	19.6		16.3	24.5	





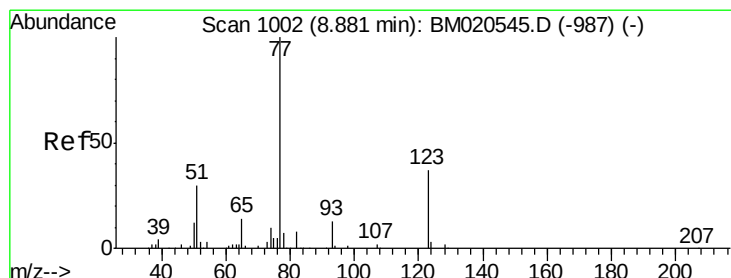
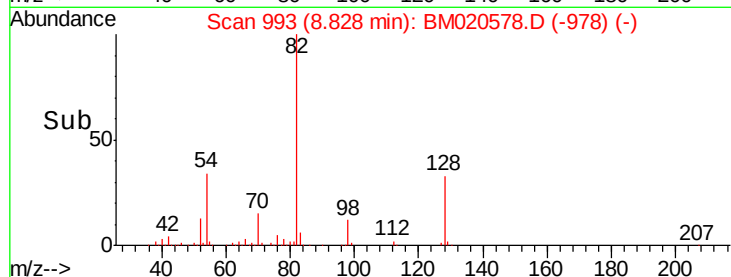
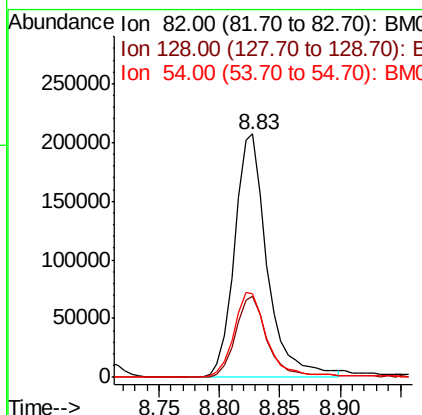
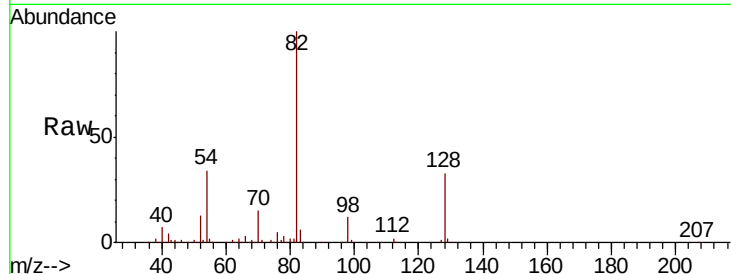
#23
 Nitrobenzene-d5
 Concen: 91.215 ng
 RT: 8.83 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	33.3	27.0	40.4	
54	34.2	27.4	41.2	

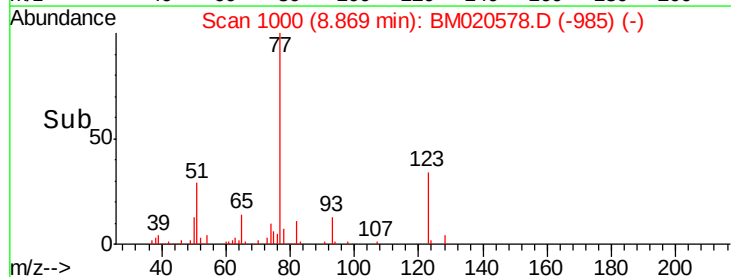
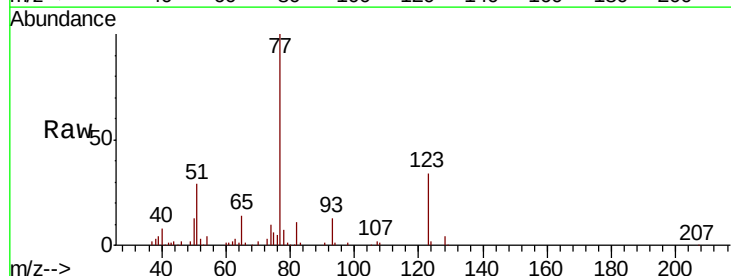
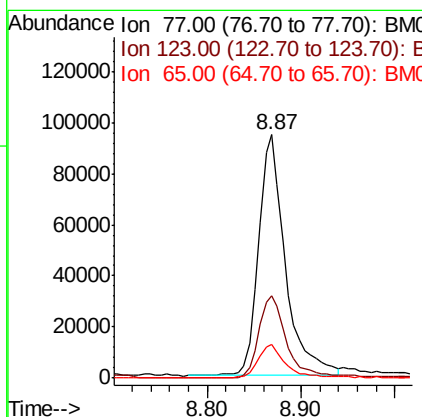
Manual Integrations
 APPROVED

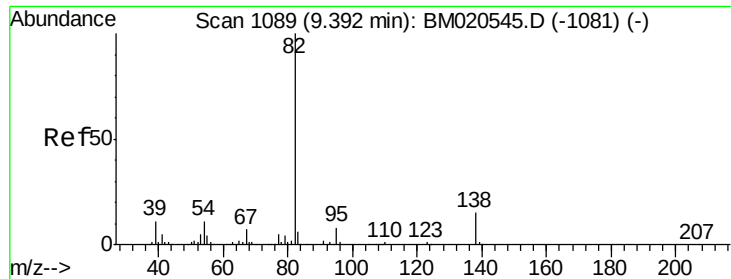
mohammad
 5/29/2019 6:16:15 PM



#24
 Nitrobenzene
 Concen: 43.815 ng
 RT: 8.87 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	33.7	29.4	44.2	
65	13.8	10.8	16.2	





#25

Isophorone

Concen: 42.850 ng

RT: 9.38 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

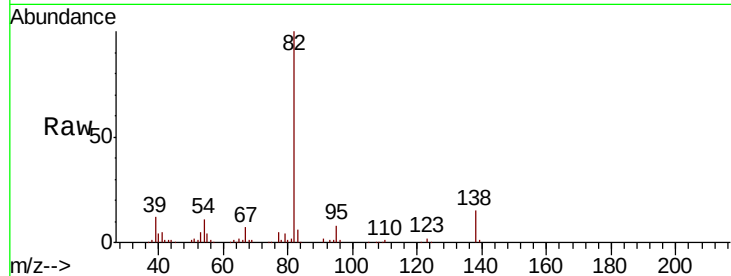
ClientSampleId :

CL-02-051719MSD

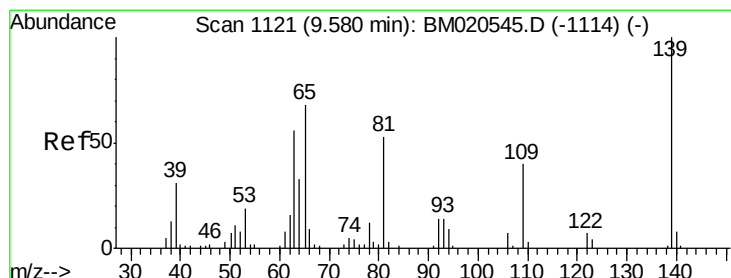
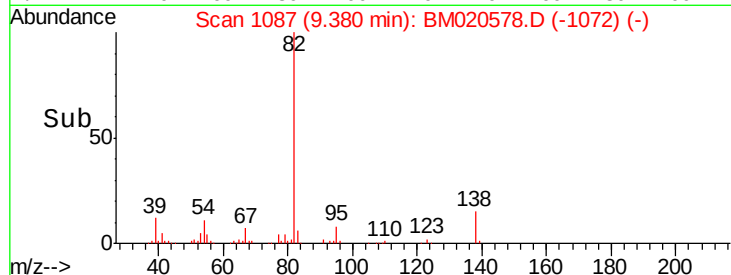
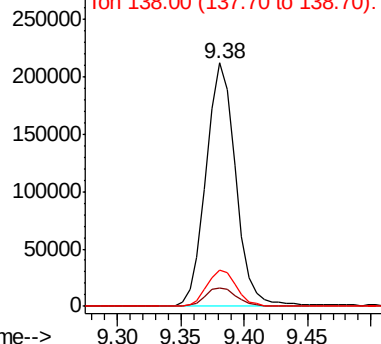
Tot Ion:	82	Resp:	342808
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.7	10.1
138	14.8	12.0	18.0

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



Abundance Ion 82.00 (81.70 to 82.70): BM020545.D (-1081) (-)



#26

2-Nitrophenol

Concen: 40.621 ng

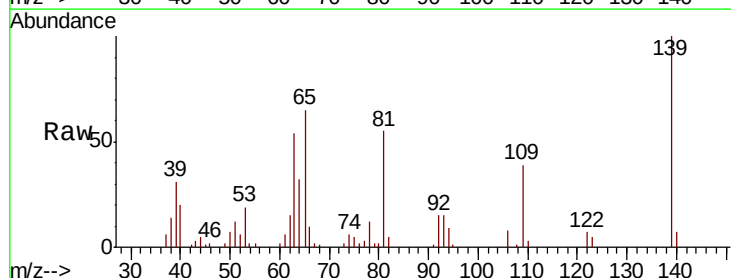
RT: 9.57 min Scan# 1120

Delta R.T. -0.01 min

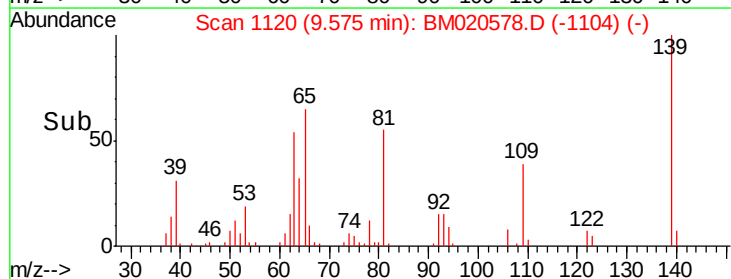
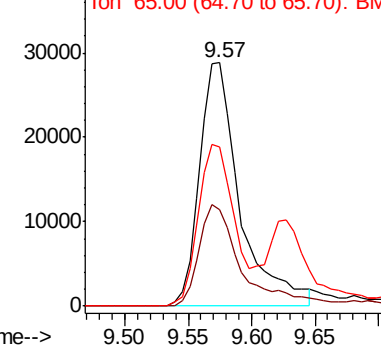
Lab File: BM020578.D

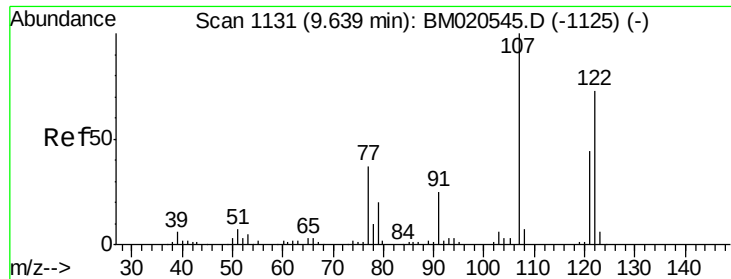
Acq: 28 May 2019 13:14

Tgt Ion:	139	Resp:	63643
Ion Ratio	Lower	Upper	
139	100		
109	39.4	32.3	48.5
65	65.4	54.4	81.6



Abundance Ion 139.00 (138.70 to 139.70): BM020545.D (-1114) (-)





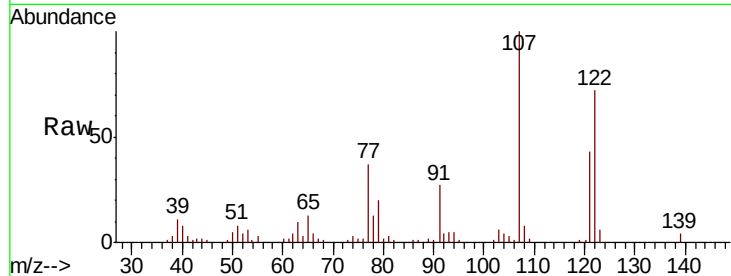
#27
2,4-Dimethylphenol
Concen: 44.554 ng
RT: 9.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	103985		
107	139.5	108.2	162.2	
121	60.6	47.4	71.0	

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

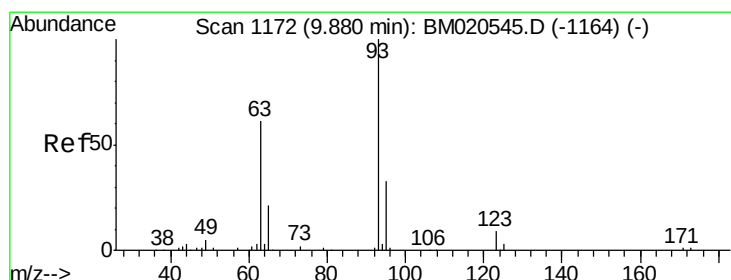
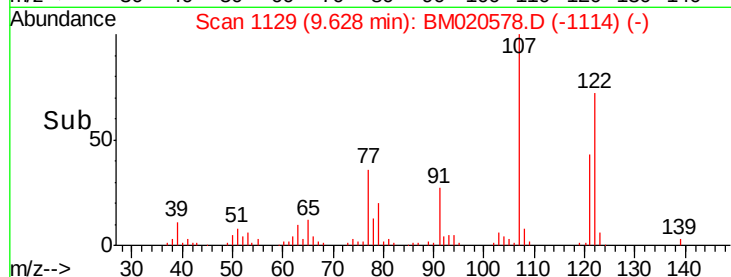
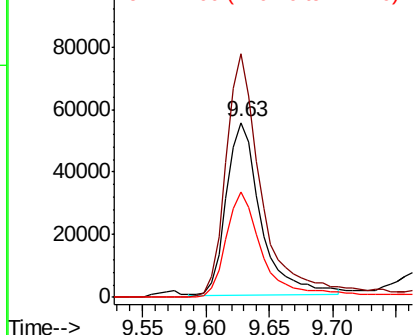


Abundance

Ion 122.00 (121.70 to 122.70): E

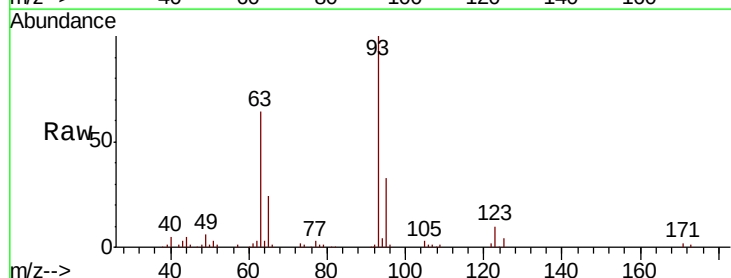
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 39.515 ng
RT: 9.87 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	164561		
95	33.0	26.1	39.1	
123	9.9	8.1	12.1	

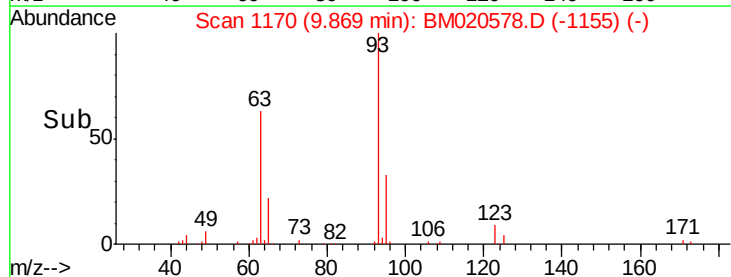
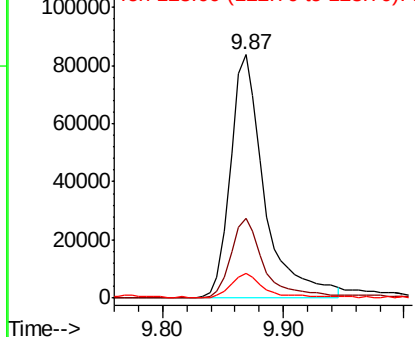


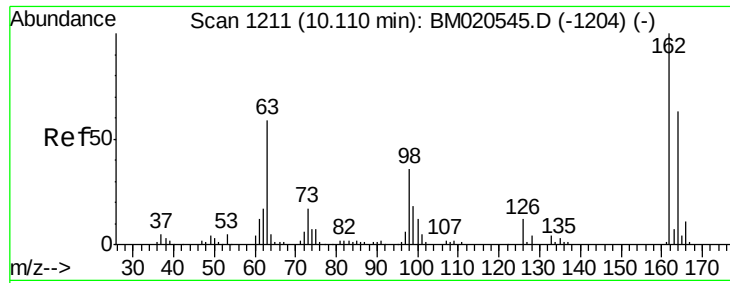
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





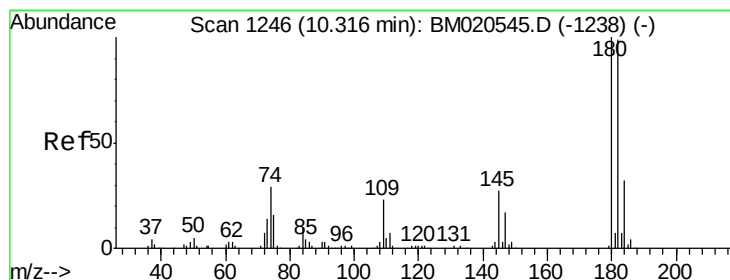
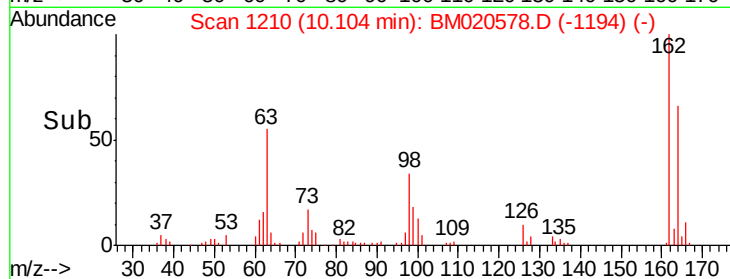
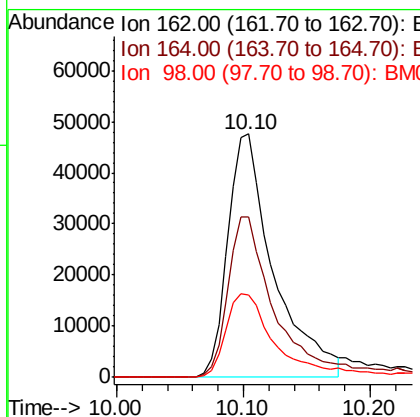
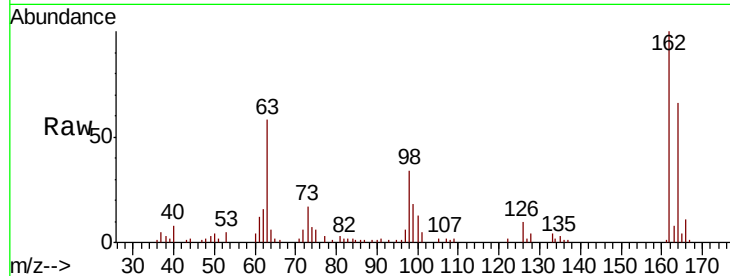
#29
 2,4-Dichlorophenol
 Concen: 38.434 ng
 RT: 10.10 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	119305		
164	65.9	43.1	83.1	
98	33.7	16.2	56.2	

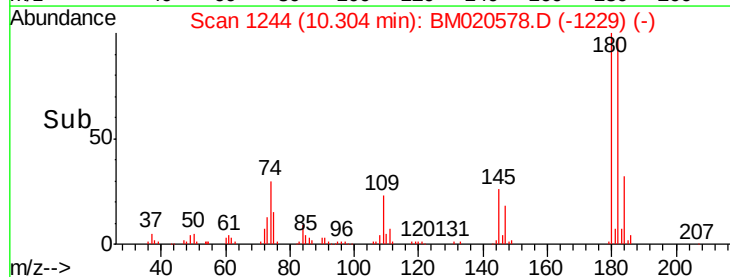
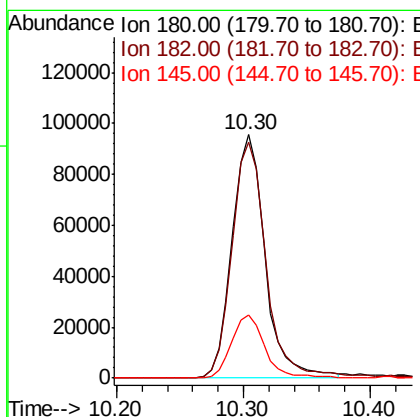
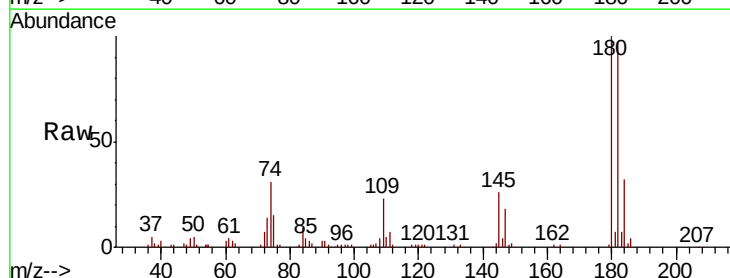
Manual Integrations
 APPROVED

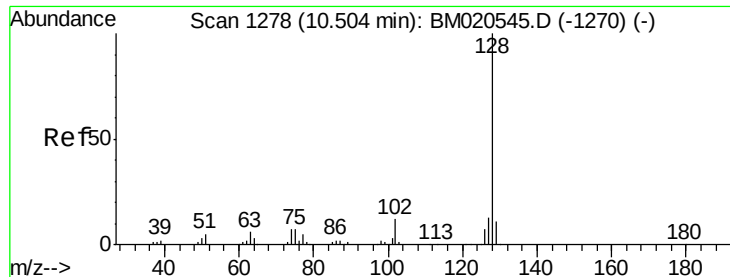
mohammad
 5/29/2019 6:16:15 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 40.715 ng
 RT: 10.30 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	172809		
182	97.1	78.8	118.2	
145	25.9	21.3	31.9	





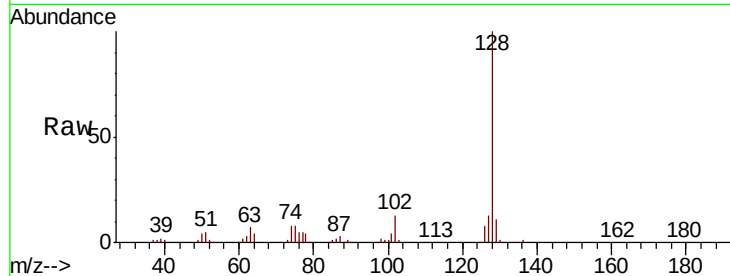
#31
Naphthalene
Concen: 41.919 ng
RT: 10.49 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

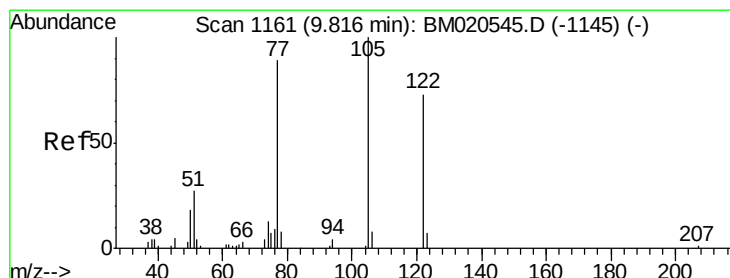
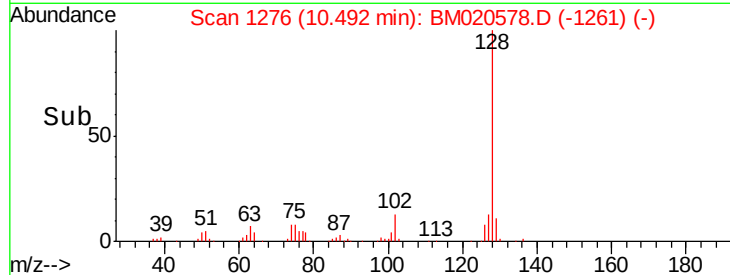
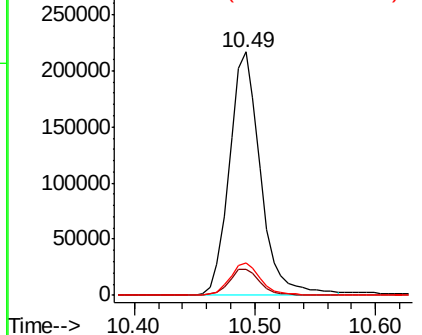
Tot Ion:128	Resp:	390599
Ion Ratio	Lower	Upper
128 100		
129 10.8	9.0	13.6
127 13.2	10.4	15.6

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

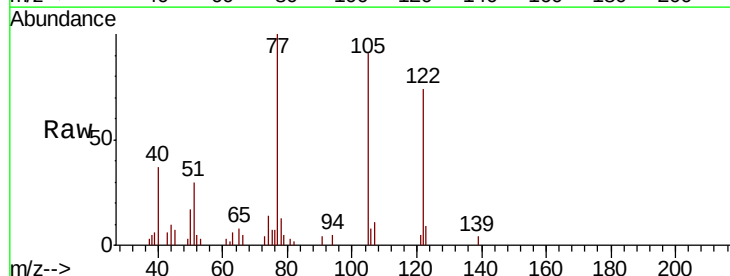


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

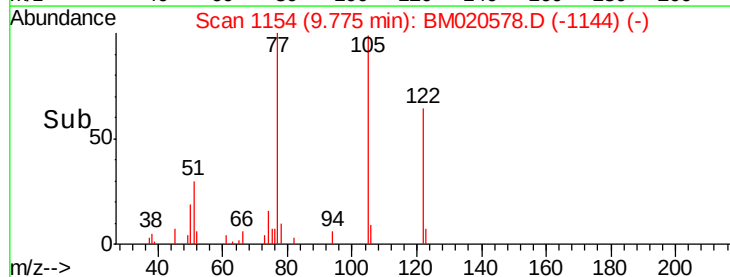
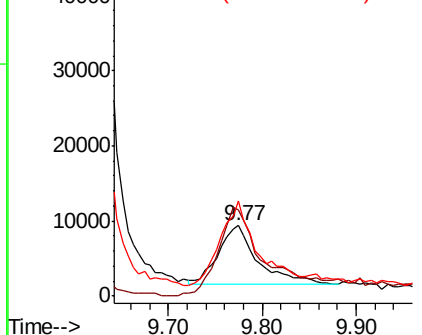


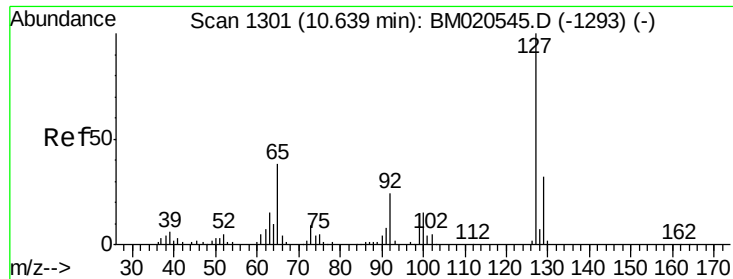
#32
Benzoic acid
Concen: 21.924 ng
RT: 9.77 min Scan# 1154
Delta R.T. -0.04 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion:122	Resp:	23376
Ion Ratio	Lower	Upper
122 100		
105 122.3	108.8	148.8
77 134.4	97.8	137.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM





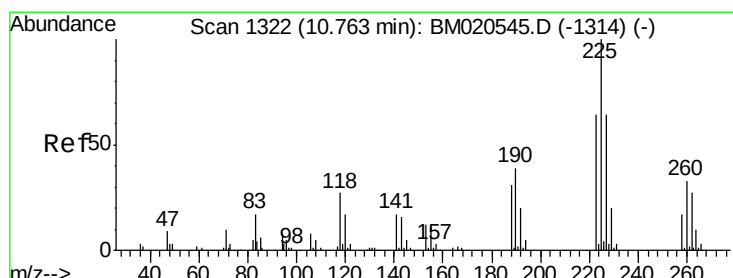
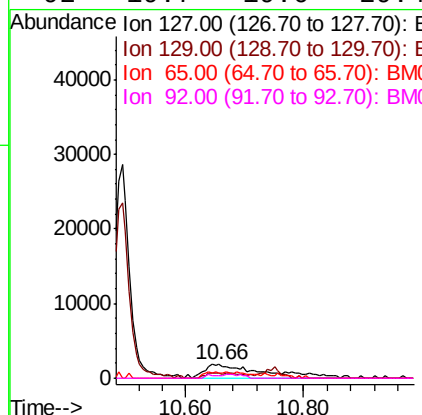
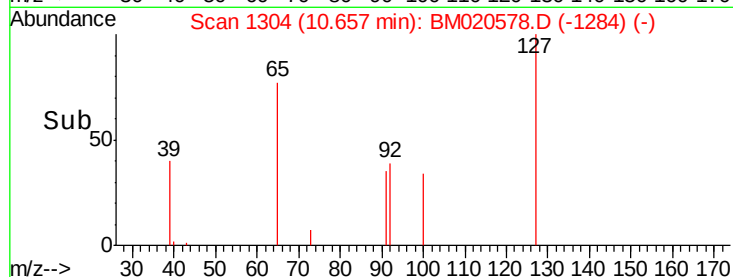
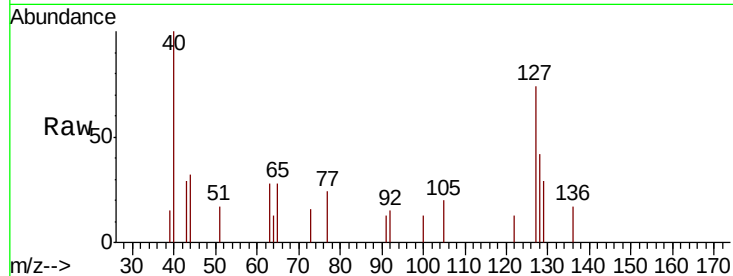
#33
4-Chloroaniline
Concen: 3.539 ng/mL
RT: 10.66 min Scan# 1304
Delta R.T. 0.02 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion:	127	Resp:	13161
Ion Ratio	Lower	Upper	
127	100		
129	39.9	25.4	38.2
65	38.7	30.6	45.8
92	19.7	19.6	29.4

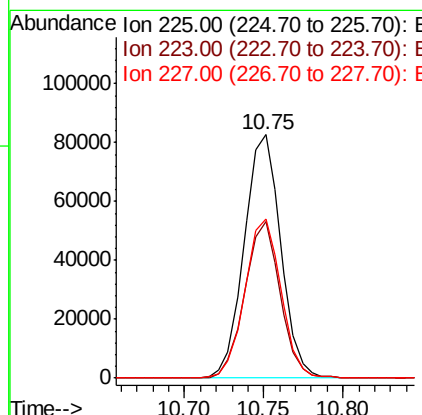
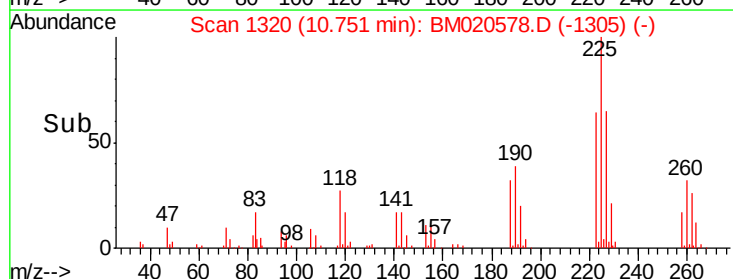
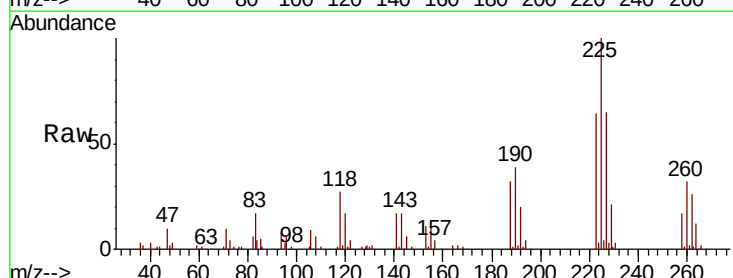
Manual Integrations
APPROVED

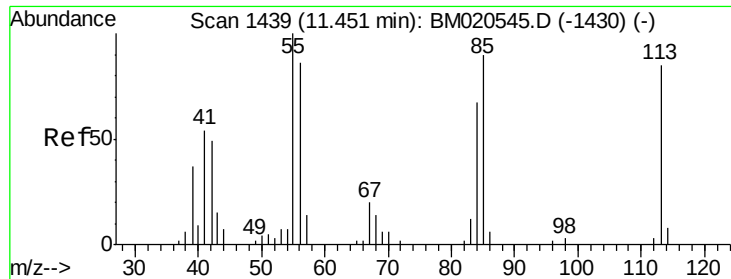
mohammad
5/29/2019 6:16:15 PM



#34
Hexachlorobutadiene
Concen: 41.905 ng
RT: 10.75 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion:	225	Resp:	132237
Ion Ratio	Lower	Upper	
225	100		
223	64.1	51.4	77.0
227	65.2	51.0	76.6





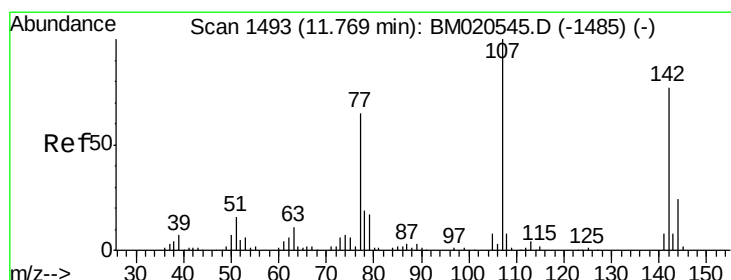
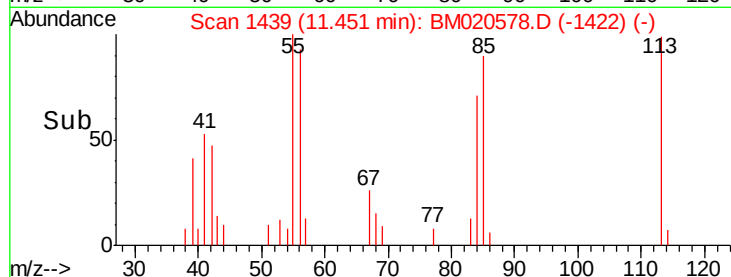
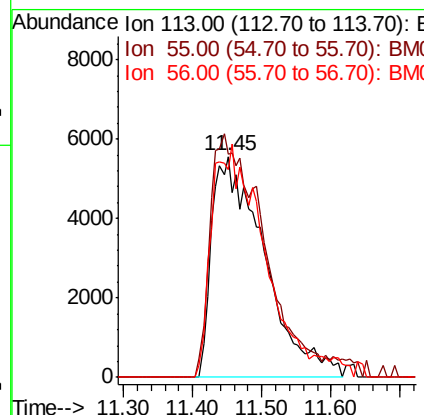
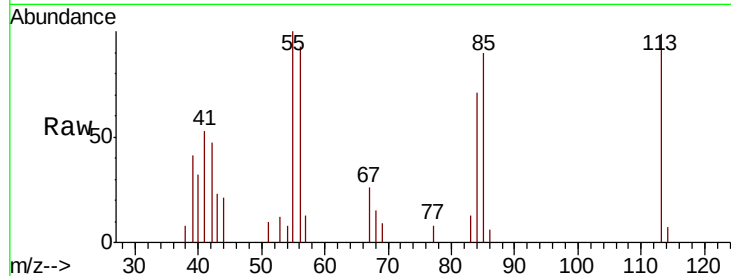
#35
Caprolactam
Concen: 28.674 ng/ml
RT: 11.45 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	100.9	97.6	137.6
56	93.9	81.6	121.6

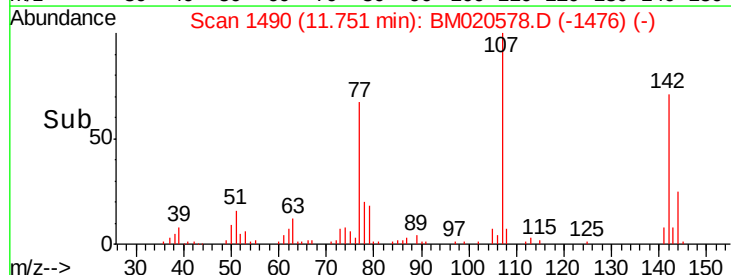
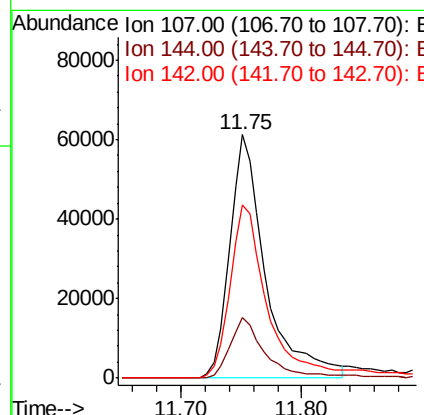
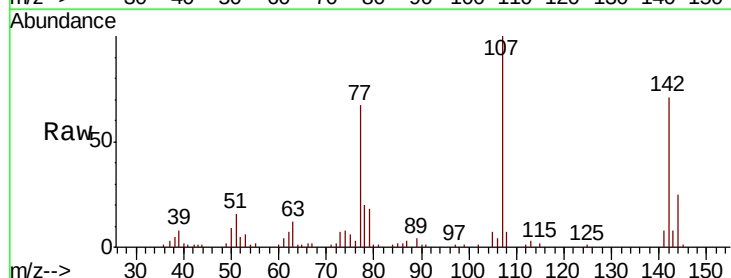
Manual Integrations
APPROVED

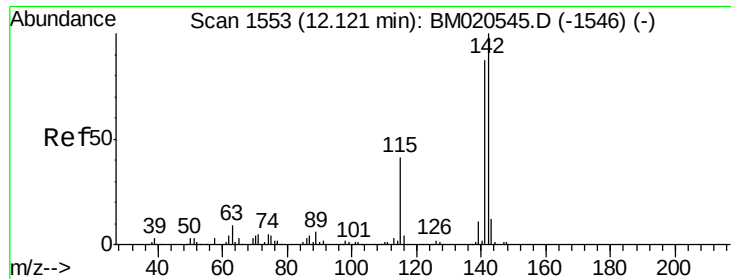
mohammad
5/29/2019 6:16:15 PM



#36
4-Chloro-3-methylphenol
Concen: 37.432 ng/ml
RT: 11.75 min Scan# 1490
Delta R.T. -0.02 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.0	28.6
142	71.3	61.3	91.9





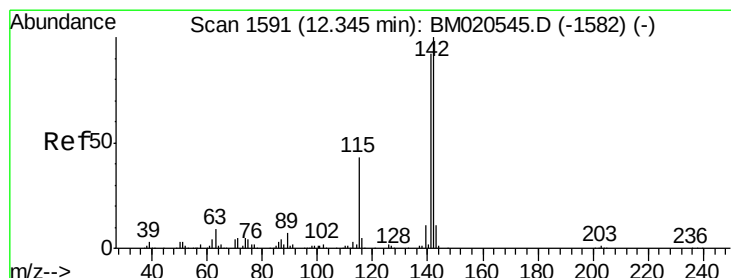
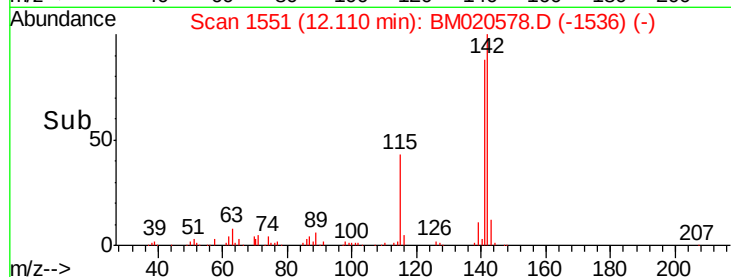
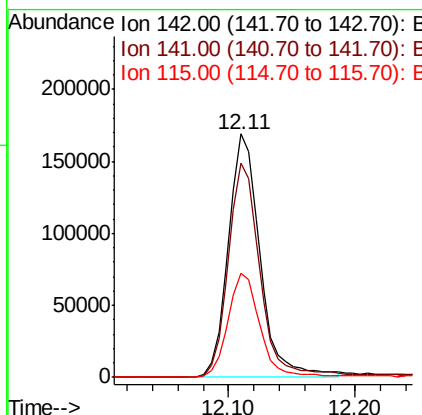
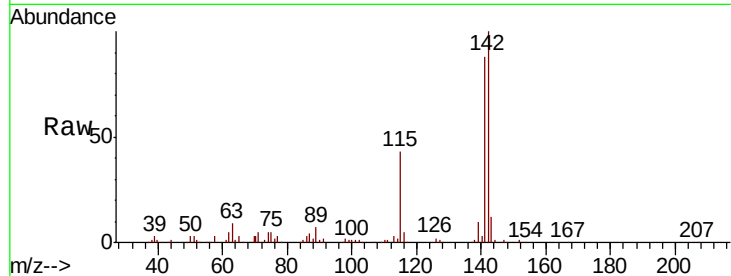
#37
2-Methylnaphthalene
Concen: 40.842 ng
RT: 12.11 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.9	104.9
115	42.5	32.9	49.3

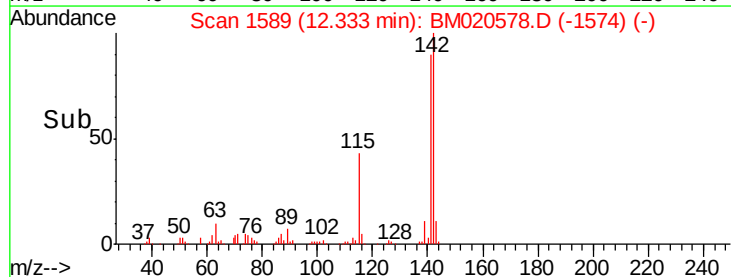
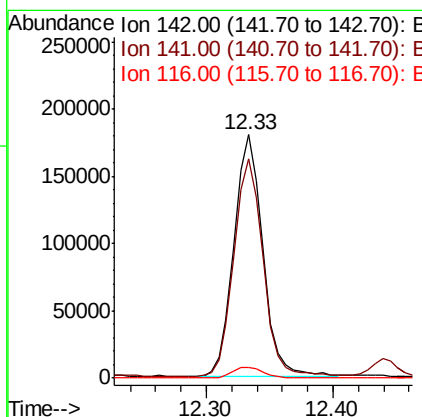
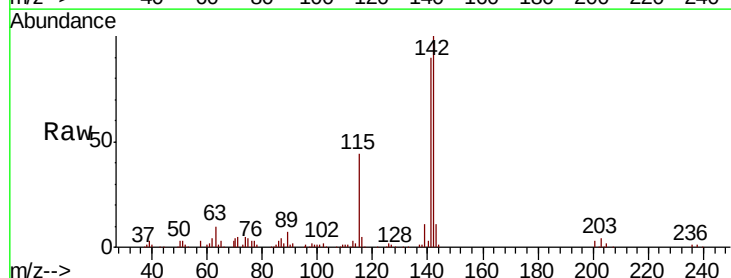
Manual Integrations
APPROVED

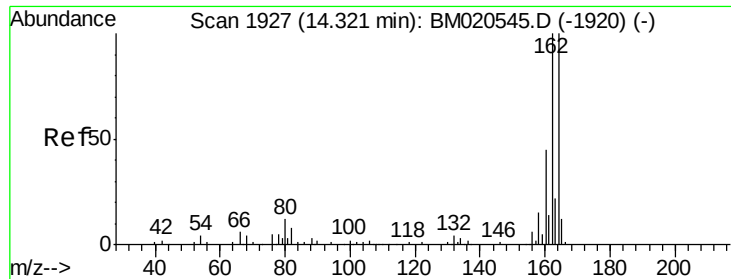
mohammad
5/29/2019 6:16:15 PM



#38
1-Methylnaphthalene
Concen: 41.170 ng
RT: 12.33 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	73.7	110.5
116	4.6	3.7	5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

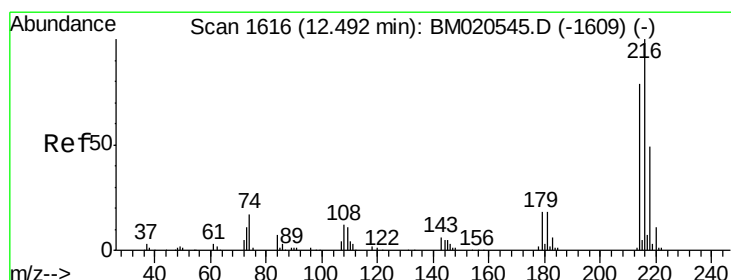
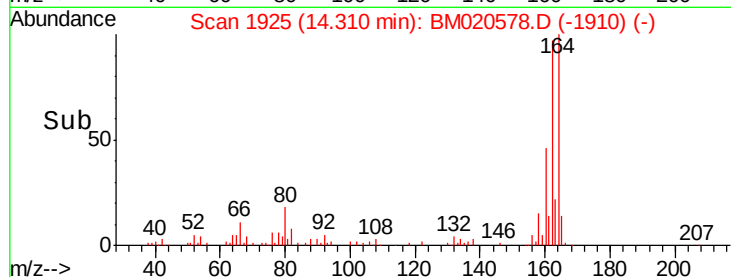
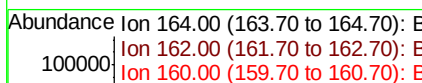
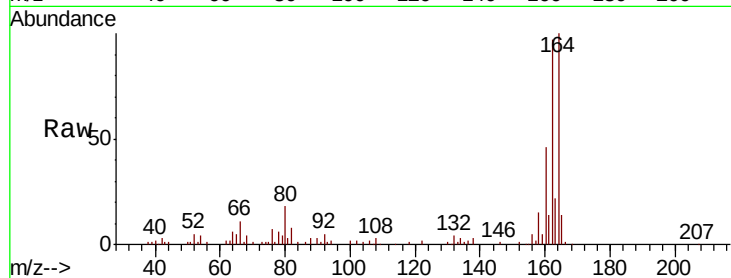
ClientSampleId :

CL-02-051719MSD

Tot Ion:	164	Resp:	118442
Ion Ratio	Lower	Upper	
164	100		
162	97.1	79.8	119.8
160	45.5	35.9	53.9

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.812 ng

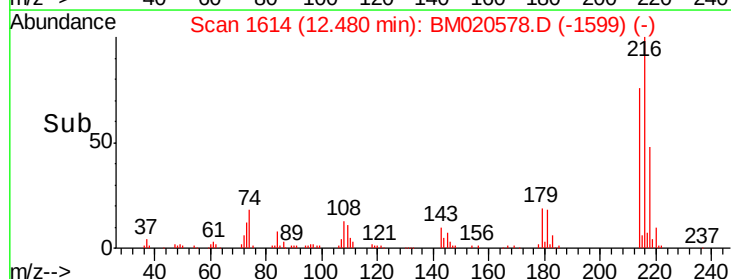
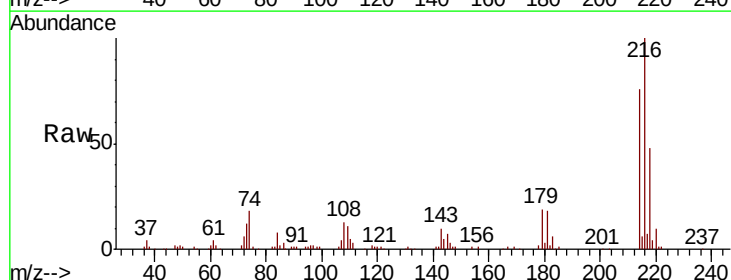
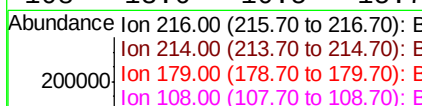
RT: 12.48 min Scan# 1614

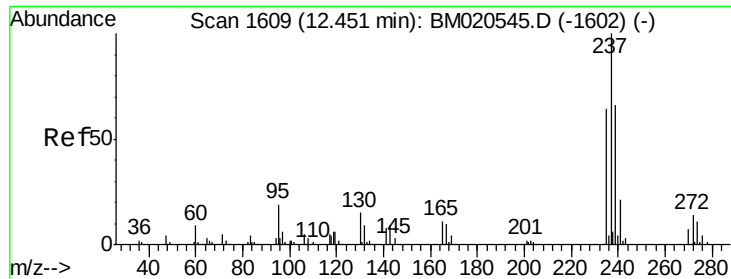
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	216	Resp:	233078
Ion Ratio	Lower	Upper	
216	100		
214	77.5	63.0	94.6
179	18.5	14.8	22.2
108	13.6	10.5	15.7





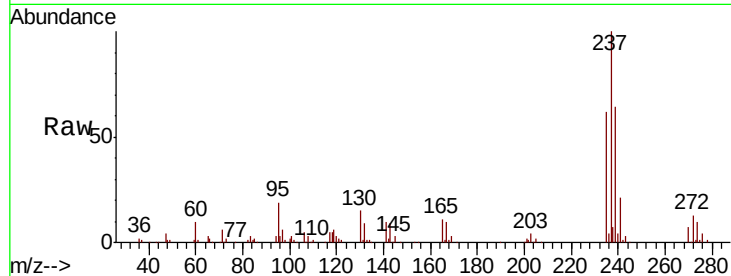
#41
Hexachlorocyclopentadiene
Concen: 84.432 ng
RT: 12.44 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.2	43.5	83.5
272	13.0	0.0	33.9

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

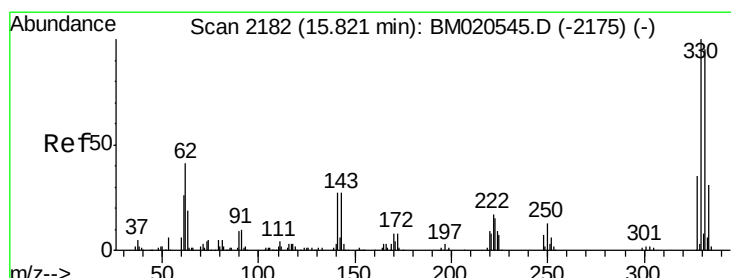
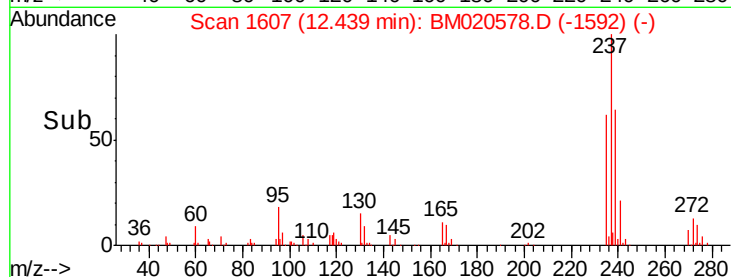
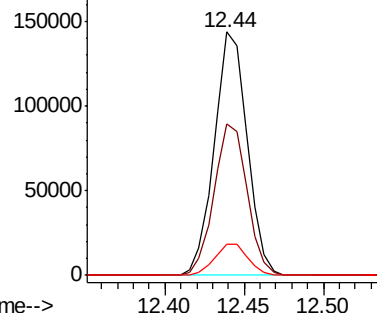


Abundance

Ion 236.80 (236.50 to 237.50): E

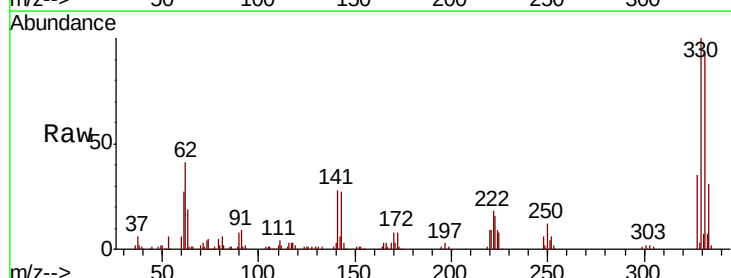
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 133.937 ng
RT: 15.81 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.6	77.5	116.3
141	27.7	21.7	32.5

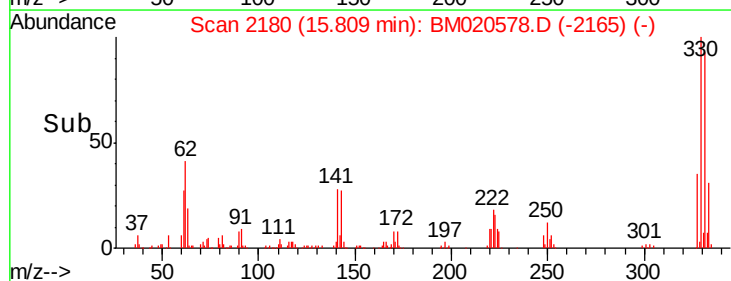
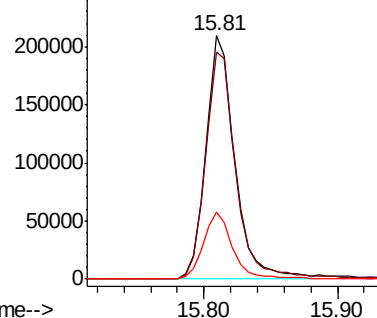


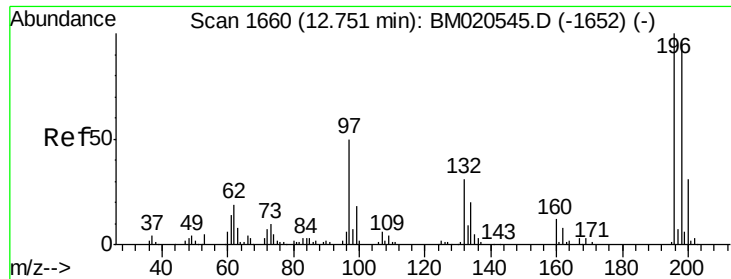
Abundance

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





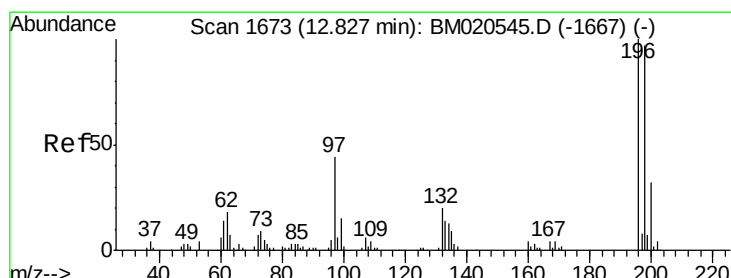
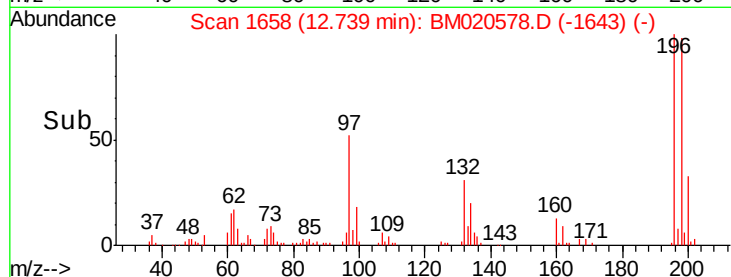
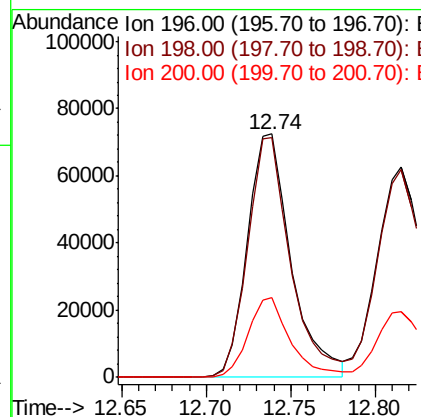
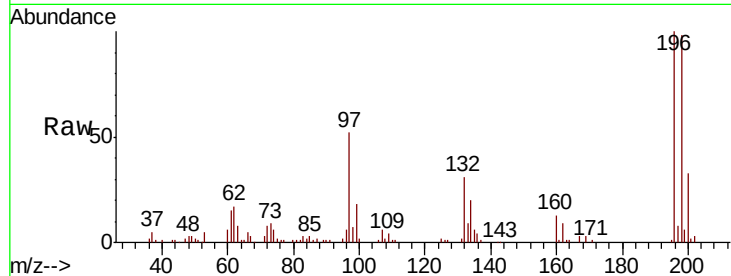
#43
 2,4,6-Trichlorophenol
 Concen: 42.357 ng
 RT: 12.74 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion:	196	Resp:	130511
Ion Ratio	Lower	Upper	
196	100		
198	98.5	76.4	114.6
200	32.8	25.0	37.4

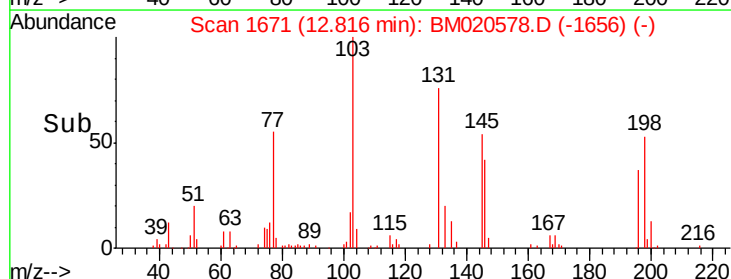
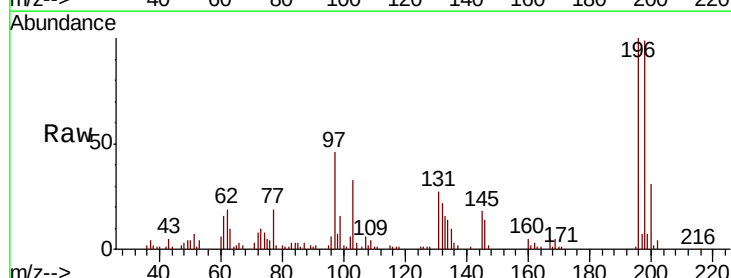
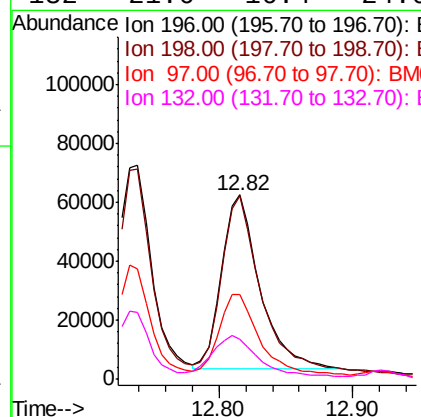
Manual Integrations
 APPROVED

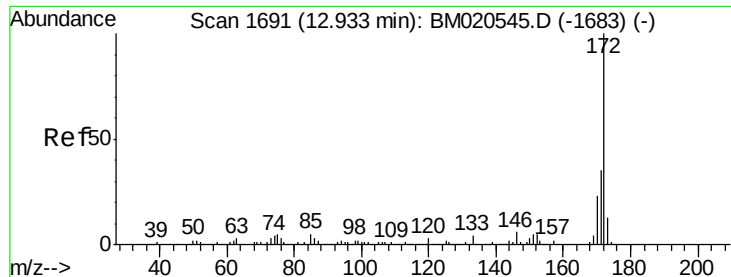
mohammad
 5/29/2019 6:16:15 PM



#44
 2,4,5-Trichlorophenol
 Concen: 41.060 ng
 RT: 12.82 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion:	196	Resp:	118143
Ion Ratio	Lower	Upper	
196	100		
198	99.2	77.6	116.4
97	45.7	35.4	53.0
132	21.6	16.4	24.6





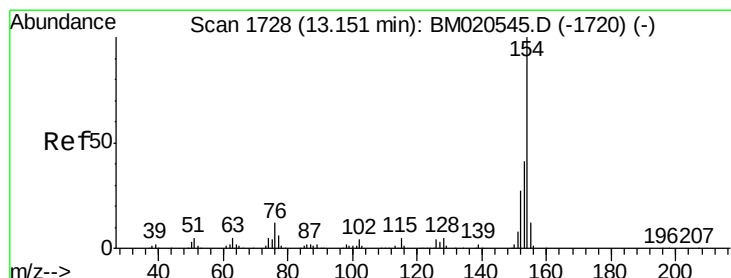
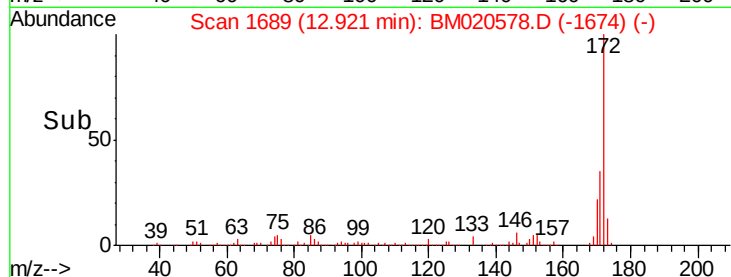
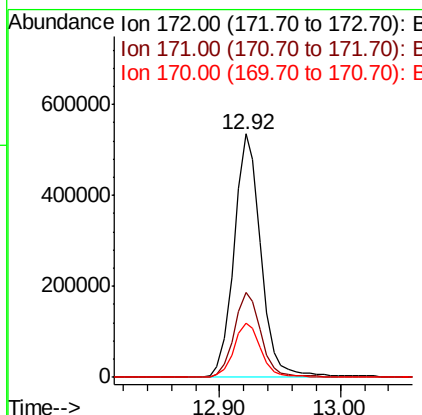
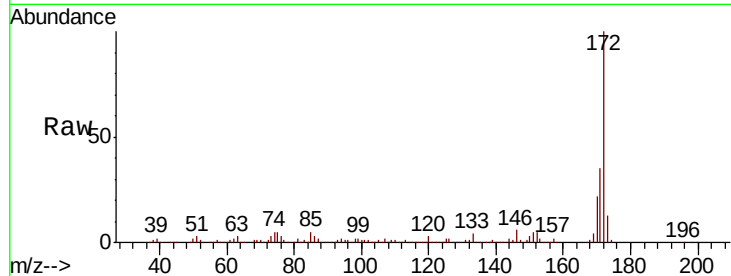
#45
2-Fluorobiphenyl
Concen: 87.989 ng
RT: 12.92 min Scan# 1689
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		830529		
171	34.6	27.9	41.9		
170	22.5	18.2	27.4		

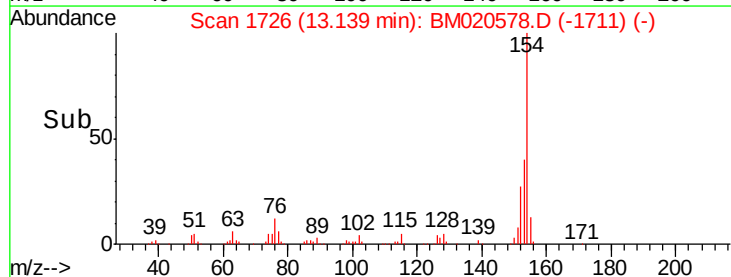
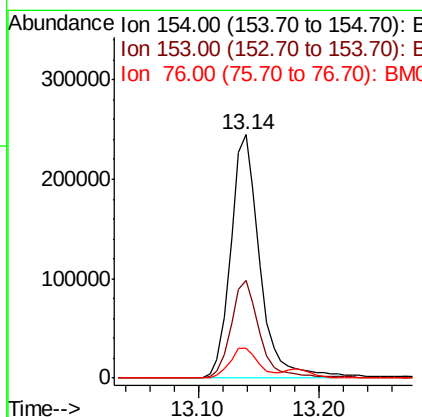
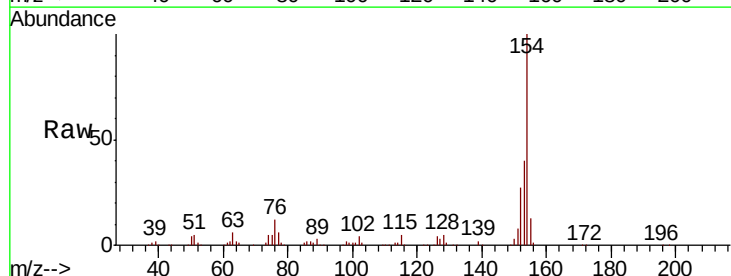
Manual Integrations
APPROVED

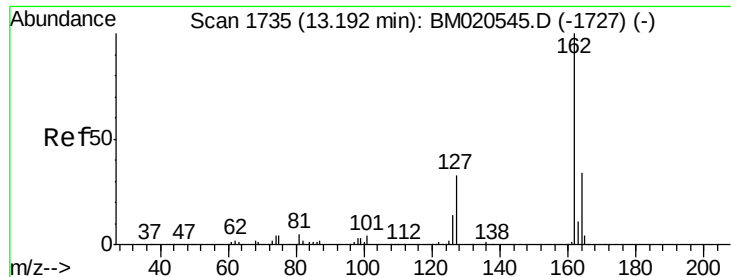
mohammad
5/29/2019 6:16:15 PM



#46
1,1'-Biphenyl
Concen: 45.026 ng
RT: 13.14 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		410730		
153	40.2	20.6	60.6		
76	12.5	0.0	32.2		





#47

2-Chloronaphthalene

Concen: 42.915 ng

RT: 13.18 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

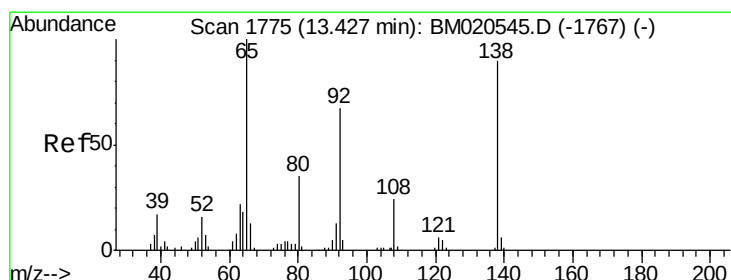
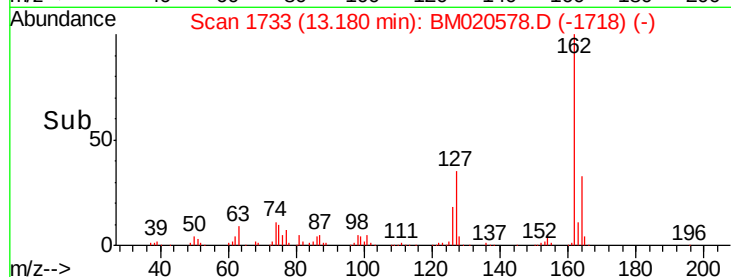
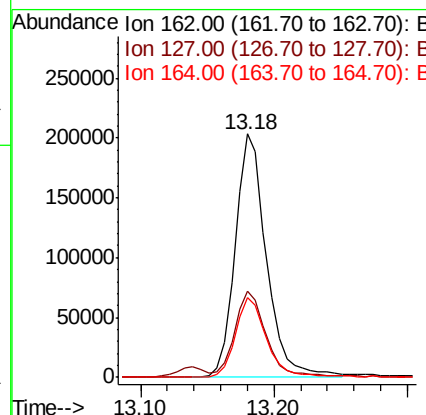
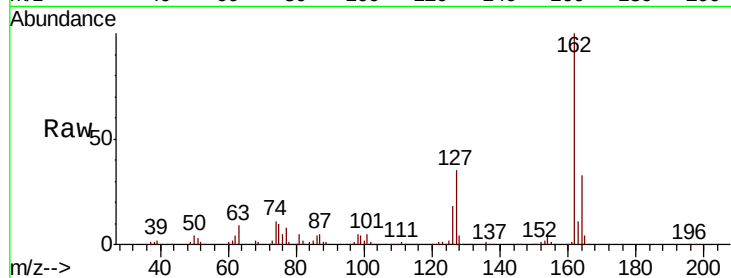
ClientSampleId :

CL-02-051719MSD

Tot Ion:	162	Resp:	331858
Ion Ratio	Lower	Upper	
162	100		
127	35.2	29.2	43.8
164	32.5	27.4	41.2

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#48

2-Nitroaniline

Concen: 33.941 ng

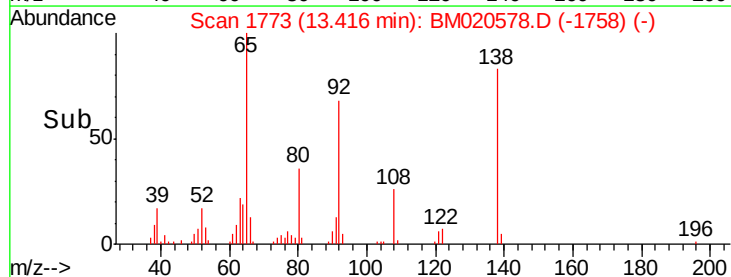
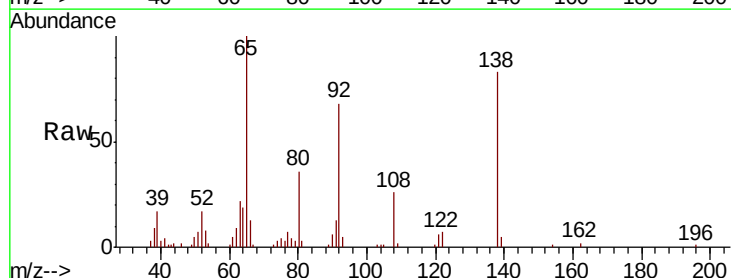
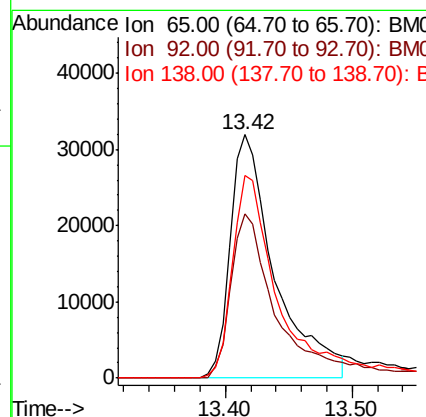
RT: 13.42 min Scan# 1773

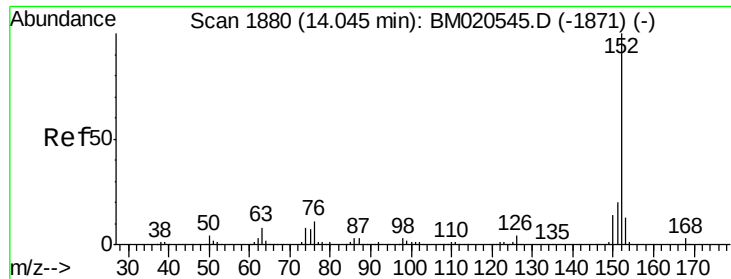
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	65	Resp:	77899
Ion Ratio	Lower	Upper	
65	100		
92	67.5	53.6	80.4
138	83.1	72.0	108.0





#49

Acenaphthylene

Concen: 42.879 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

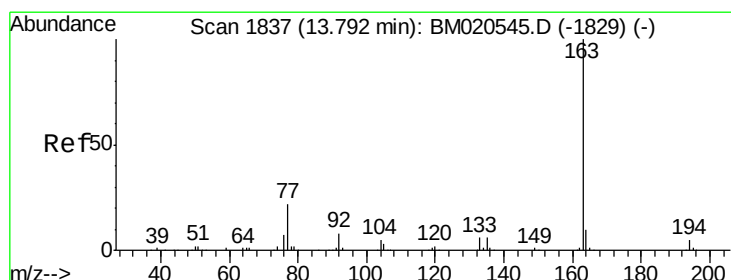
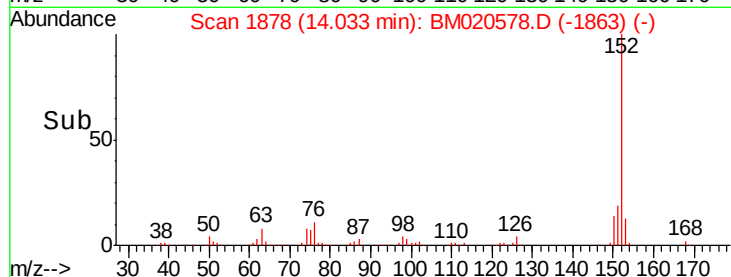
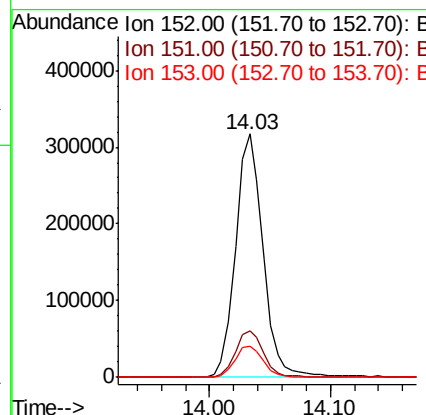
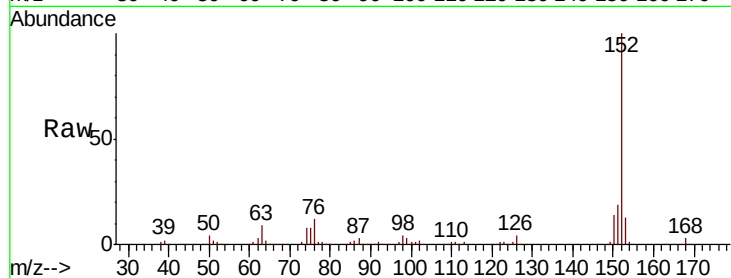
ClientSampleId :

CL-02-051719MSD

Tot Ion:	152	Resp:	504244
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.7	23.5
153	12.7	10.2	15.2

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#50

Dimethylphthalate

Concen: 41.104 ng

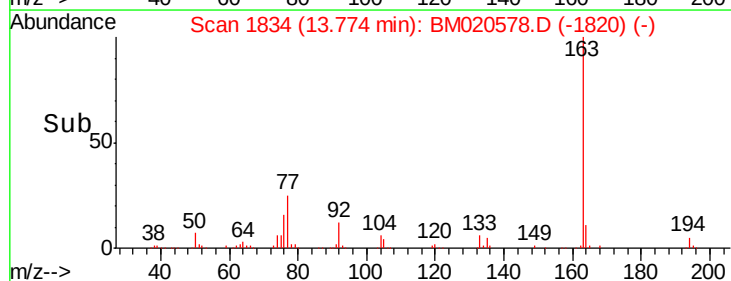
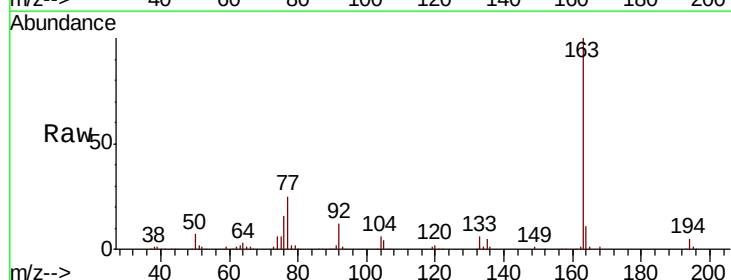
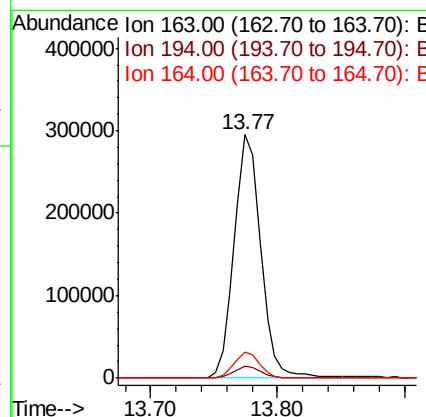
RT: 13.77 min Scan# 1834

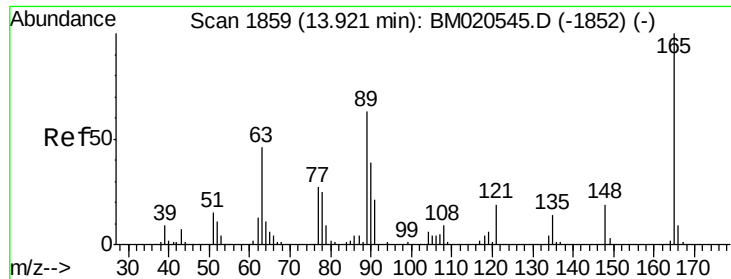
Delta R.T. -0.02 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	163	Resp:	431221
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.9	5.9
164	10.5	8.0	12.0





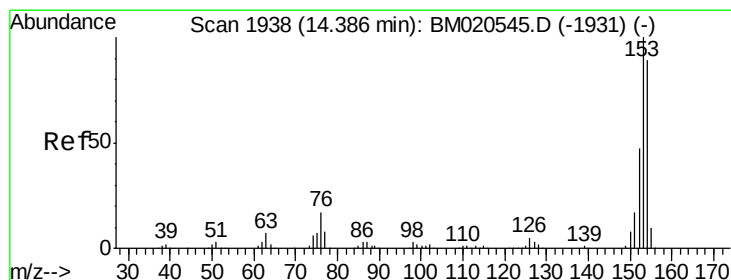
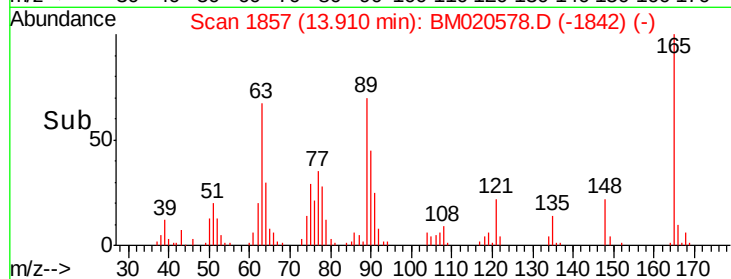
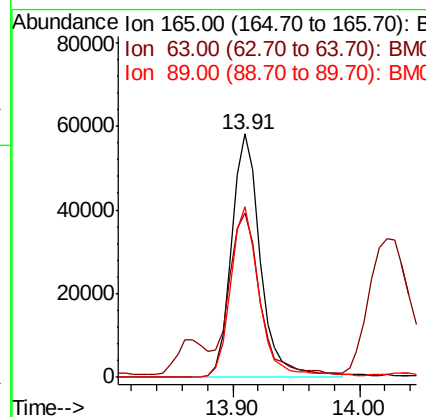
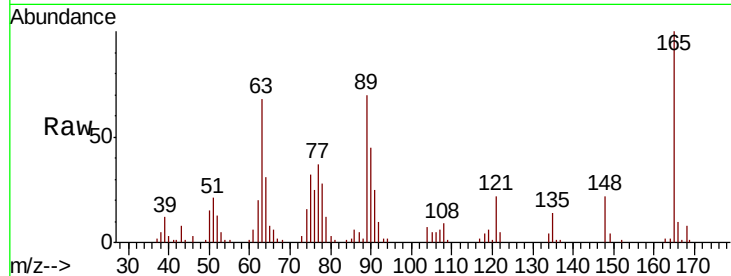
#51
 2,6-Dinitrotoluene
 Concen: 41.695 ng
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	67.7	49.6	74.4
89	70.3	50.8	76.2

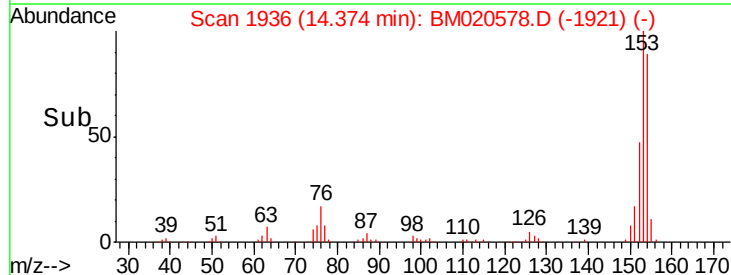
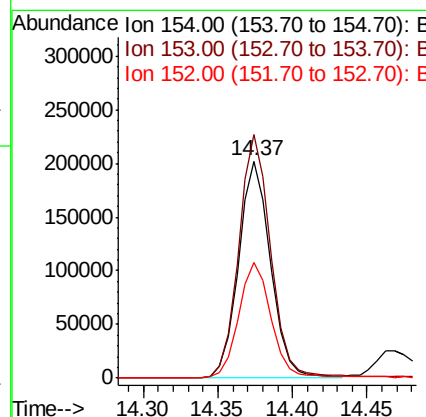
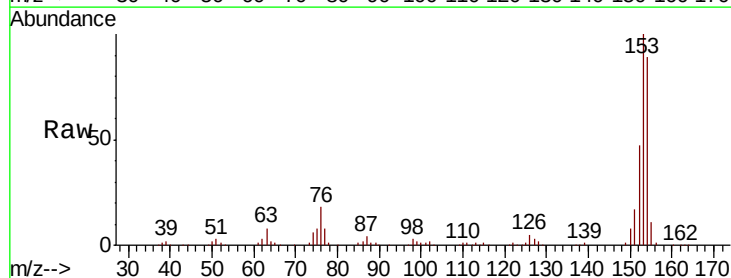
Manual Integrations
 APPROVED

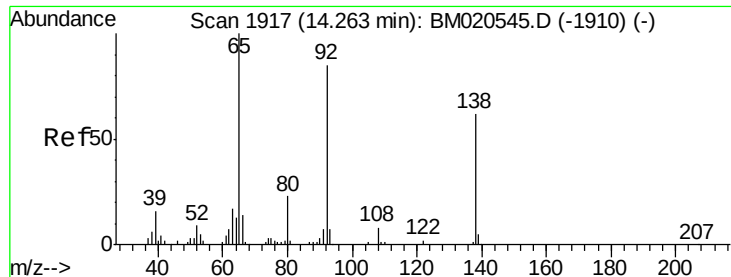
mohammad
 5/29/2019 6:16:15 PM



#52
 Acenaphthene
 Concen: 42.724 ng
 RT: 14.37 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.2	135.4
152	53.3	42.0	63.0





#53

3-Nitroaniline

Concen: 14.184 ng

RT: 14.27 min Scan# 1918

Delta R.T. 0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

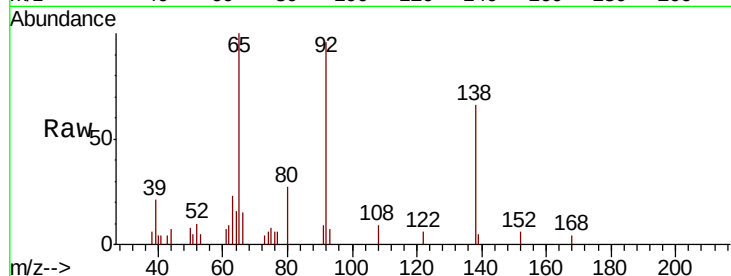
ClientSampleId :

CL-02-051719MSD

Tot Ion:	138	Resp:	18985
Ion Ratio	Lower	Upper	
138	100		
108	14.1	10.1	15.1
92	145.1	109.5	164.3

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

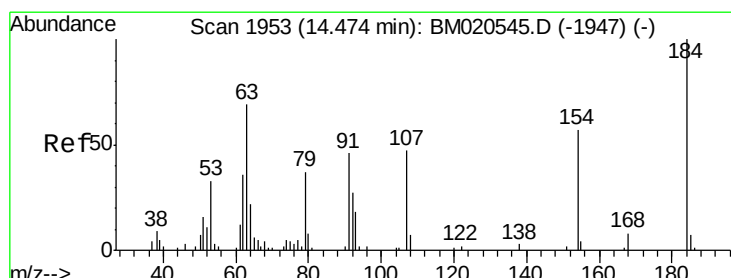
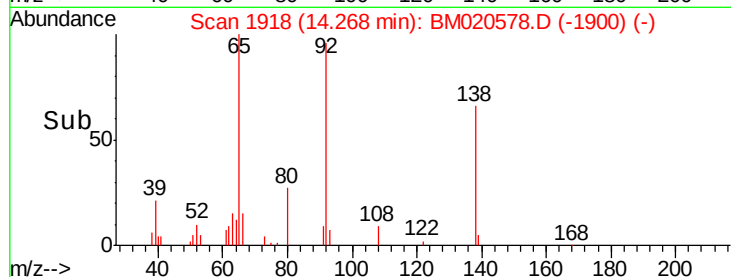
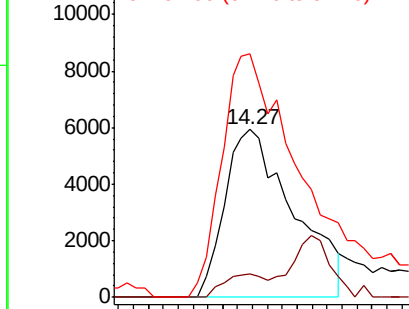


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54

2,4-Dinitrophenol

Concen: 66.102 ng

RT: 14.47 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

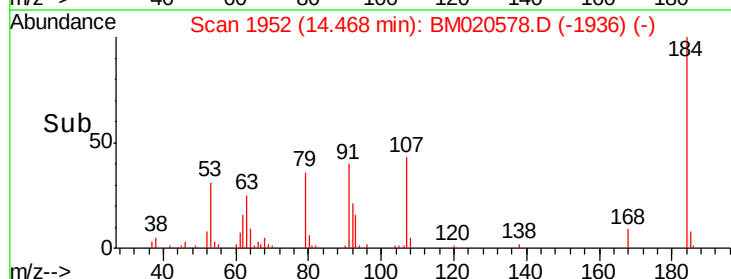
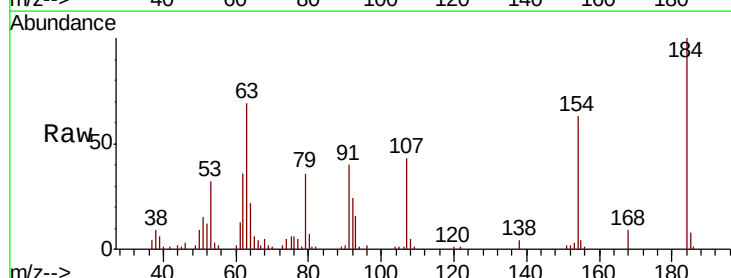
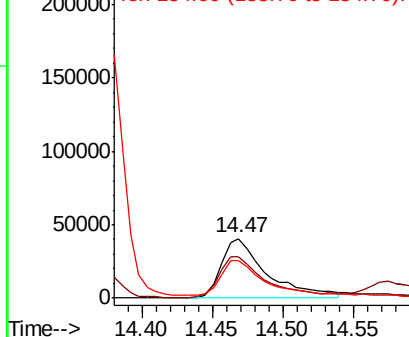
Tgt Ion:	184	Resp:	91002
Ion Ratio	Lower	Upper	
184	100		
63	69.0	56.3	84.5
154	63.2	49.0	73.6

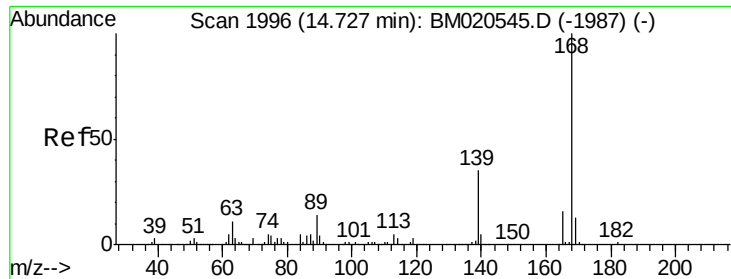
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





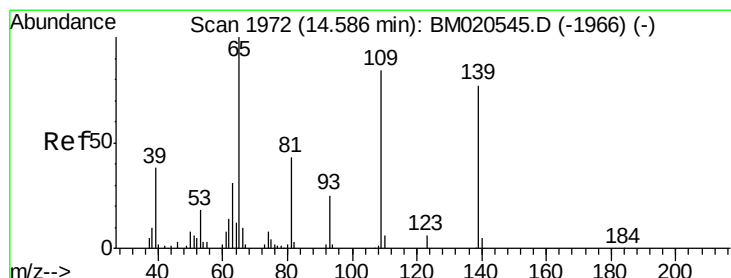
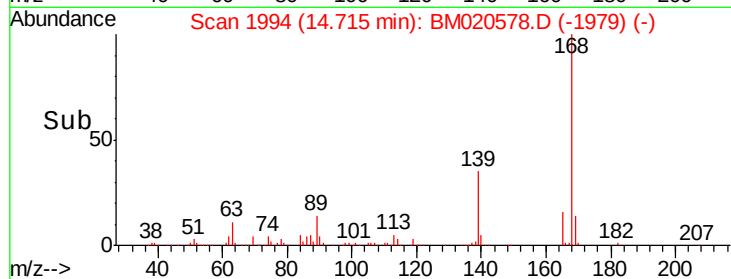
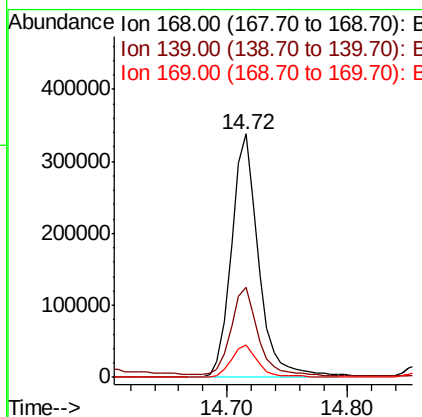
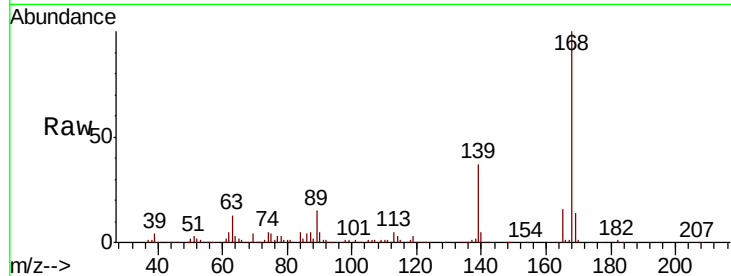
#55
Dibenzenofuran
Concen: 43.351 ng
RT: 14.72 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	28.2	42.4
169	13.5	10.6	16.0

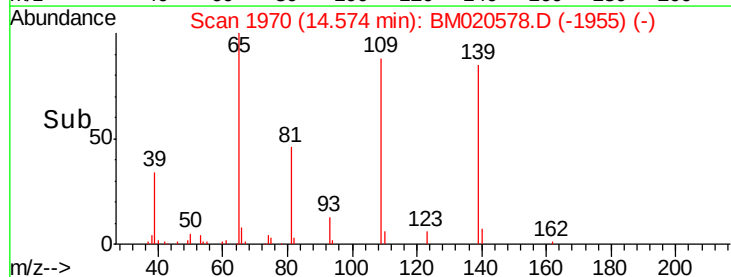
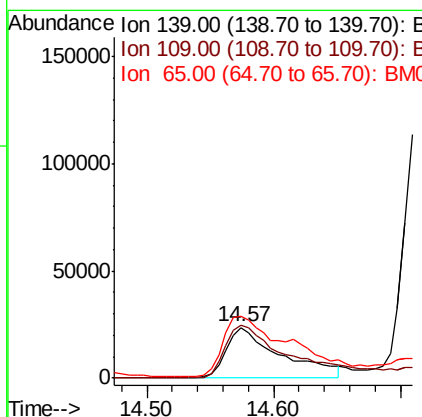
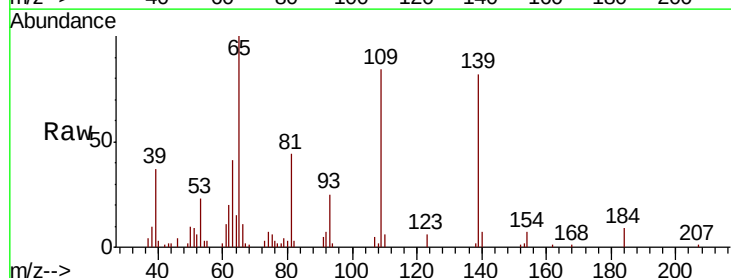
Manual Integrations
APPROVED

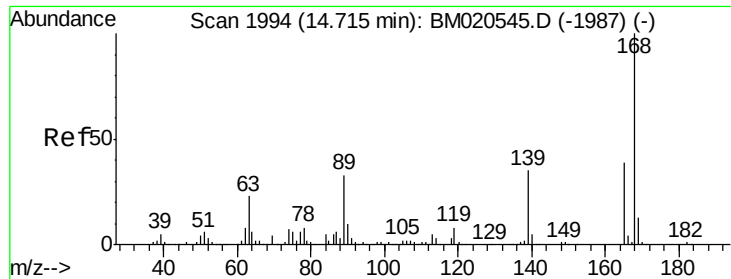
mohammad
5/29/2019 6:16:15 PM



#56
4-Nitrophenol
Concen: 52.515 ng
RT: 14.57 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
139	100		
109	103.3	89.4	129.4
65	122.5	113.3	153.3





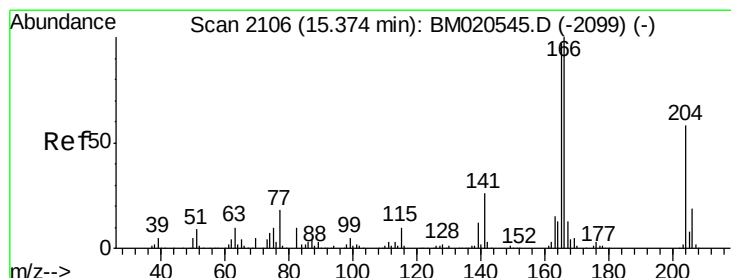
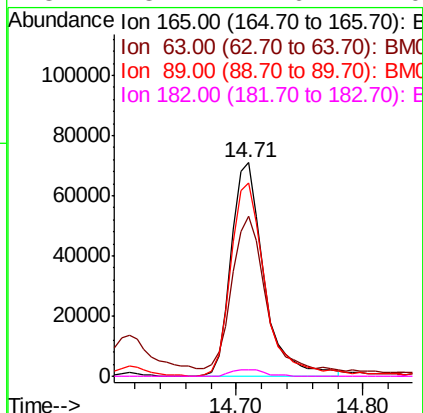
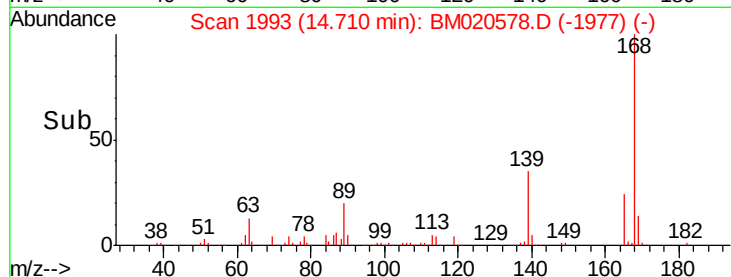
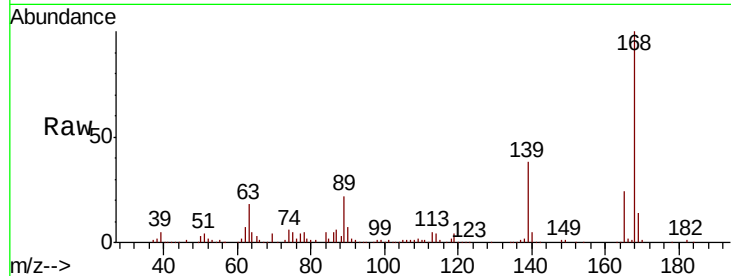
#57
 2,4-Dinitrotoluene
 Concen: 40.226 ng
 RT: 14.71 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	74.7	48.7	73.1#
89	90.4	68.8	103.2
182	3.2	2.6	4.0

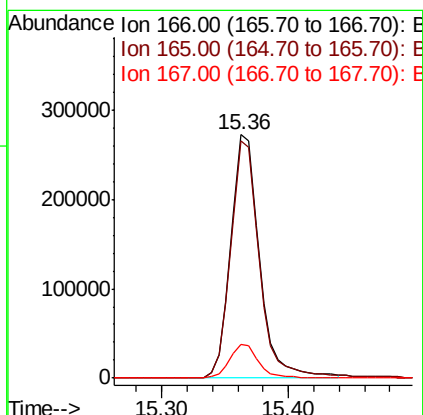
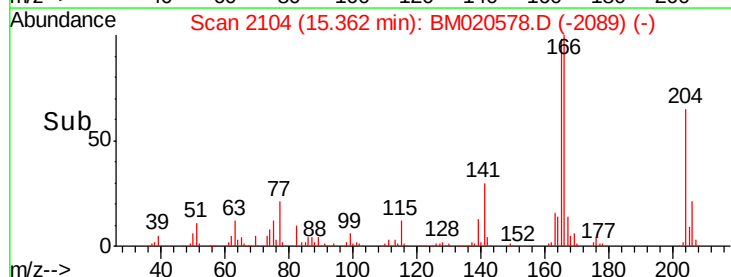
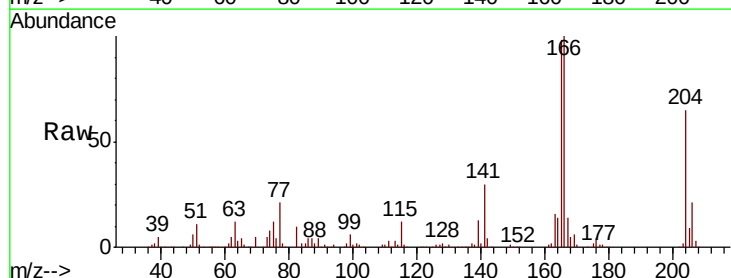
Manual Integrations
 APPROVED

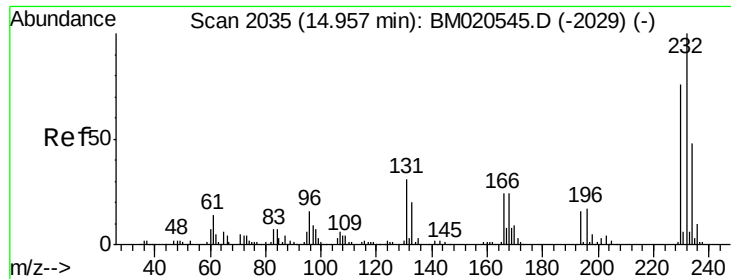
mohammad
 5/29/2019 6:16:15 PM



#58
 Fluorene
 Concen: 41.945 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.4	116.0
167	13.9	10.6	16.0





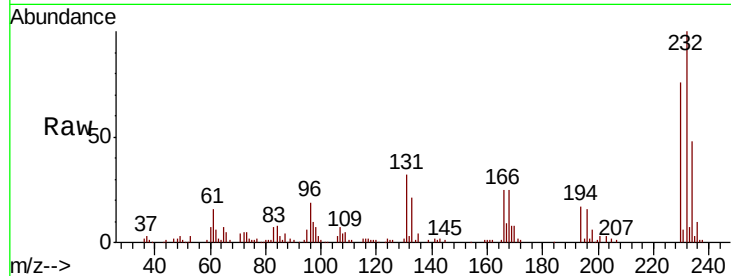
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 43.047 ng
 RT: 14.94 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

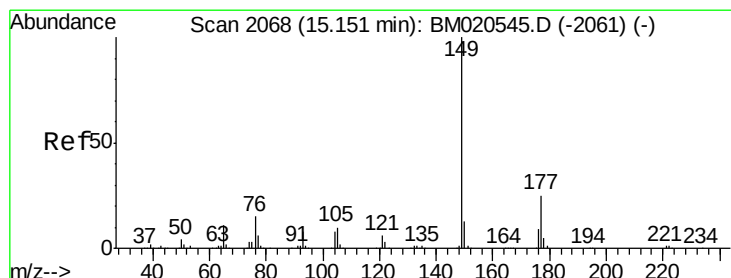
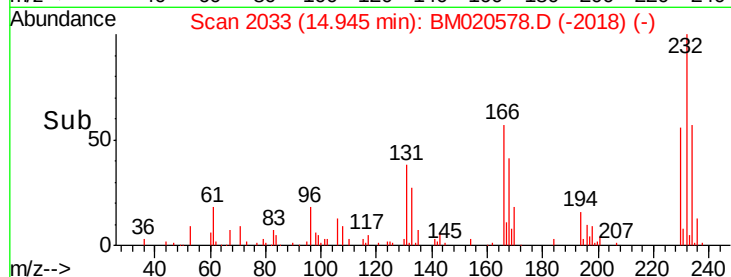
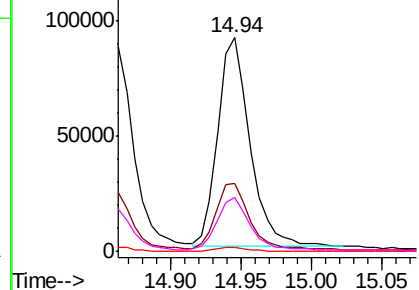
Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		144123		
131	32.8	25.4	38.0		
130	1.9	1.5	2.3		
166	25.5	19.7	29.5		

Manual Integrations
 APPROVED

mohammad
 5/29/2019 6:16:15 PM

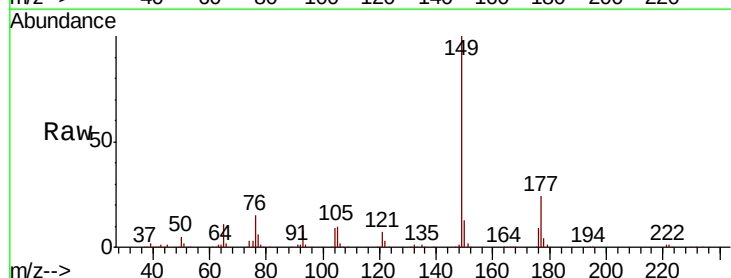


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

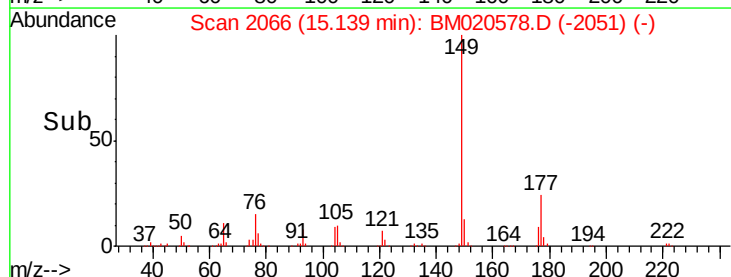
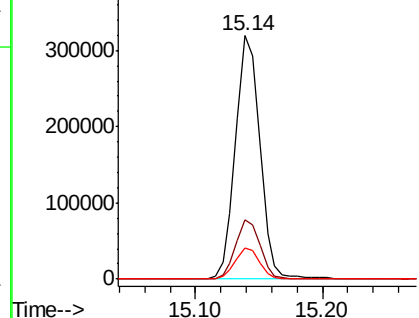


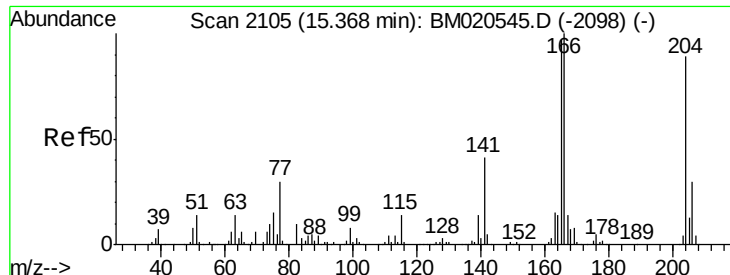
#60
 Diethylphthalate
 Concen: 41.357 ng
 RT: 15.14 min Scan# 2066
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		427482		
177	24.2	19.8	29.8		
150	12.7	10.2	15.2		



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





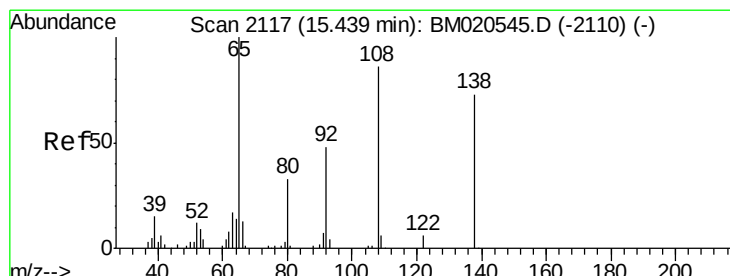
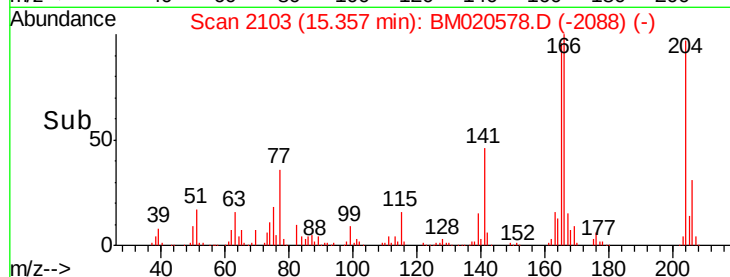
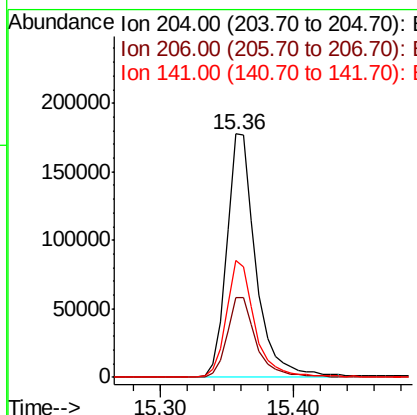
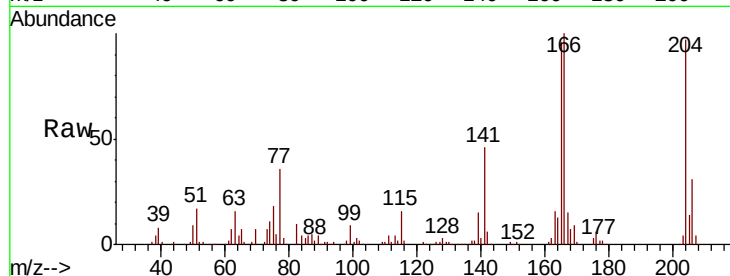
#61
 4-Chlorophenyl-phenylether
 Concen: 41.793 ng
 RT: 15.36 min Scan# 2103
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion:	204	Resp:	271796
Ion Ratio	Lower	Upper	
204	100		
206	32.5	26.6	40.0
141	48.0	36.9	55.3

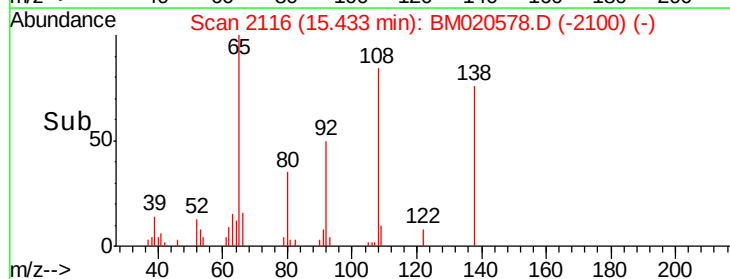
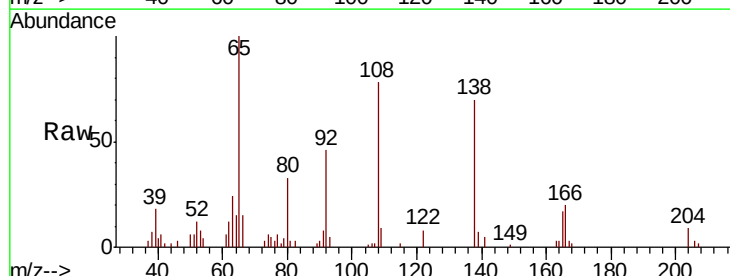
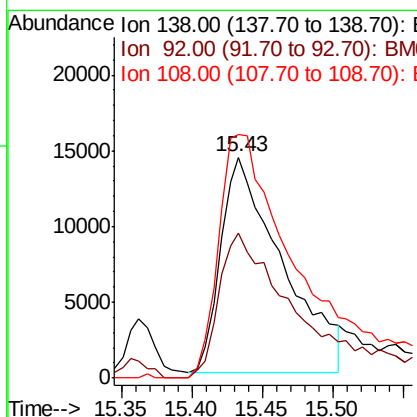
Manual Integrations
 APPROVED

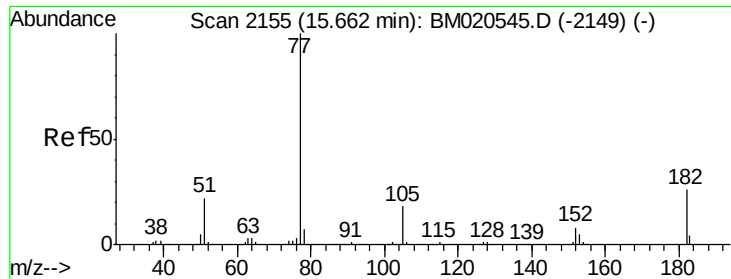
mohammad
 5/29/2019 6:16:15 PM



#62
 4-Nitroaniline
 Concen: 23.483 ng
 RT: 15.43 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion:	138	Resp:	43162
Ion Ratio	Lower	Upper	
138	100		
92	65.8	44.5	84.5
108	110.4	95.9	135.9





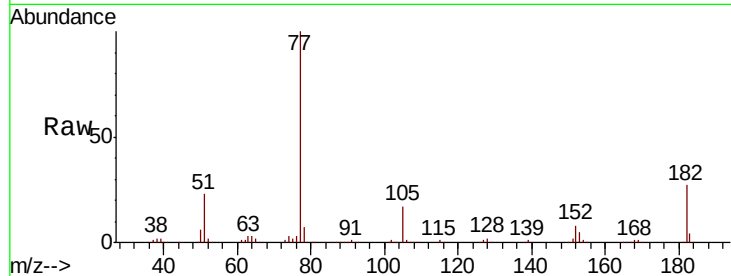
#63
Azobenzene
Concen: 42.847 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

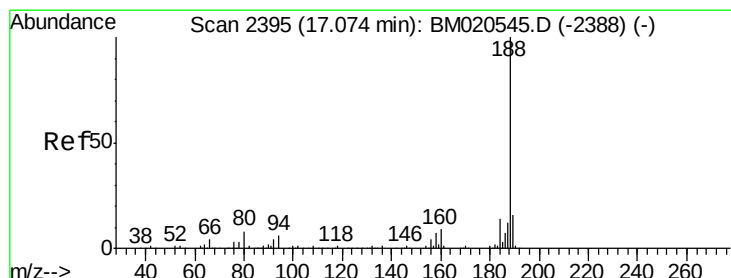
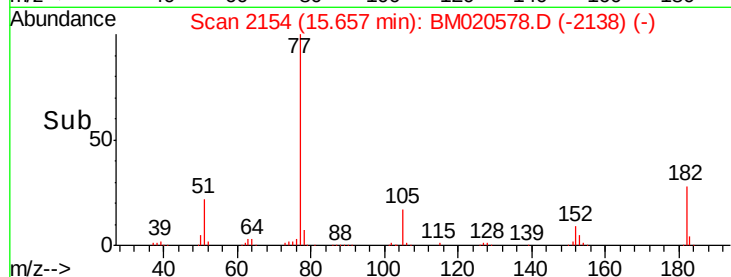
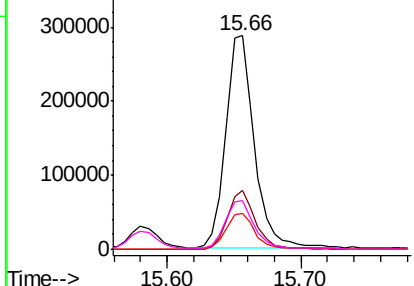
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	27.3	5.7	45.7	
105	17.1	0.0	37.6	
51	22.7	1.7	41.7	

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

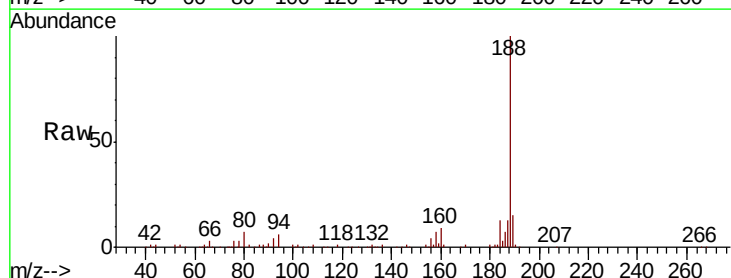


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM0

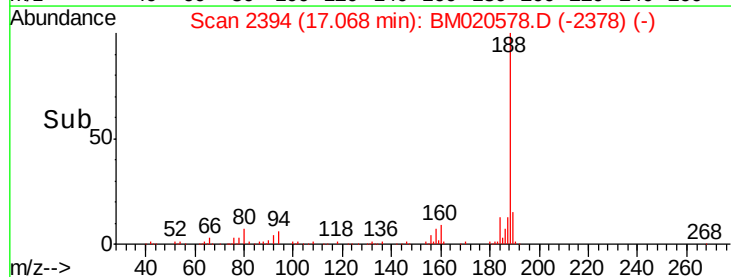
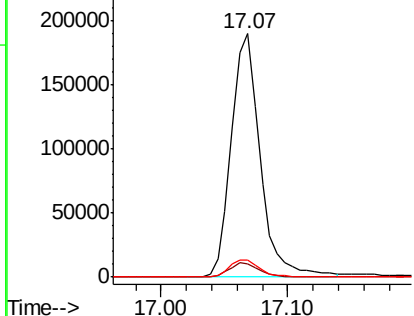


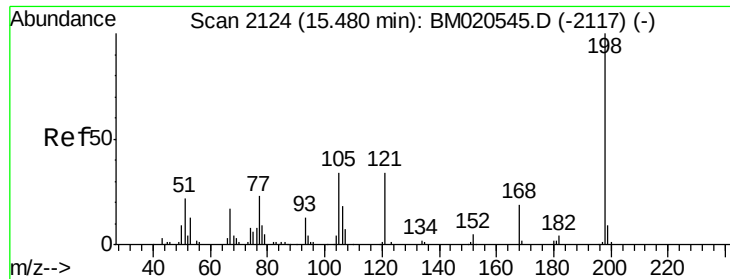
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.6	5.0	7.4	
80	7.2	6.5	9.7	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





#65

4,6-Dinitro-2-methylphenol

Concen: 39.520 ng

RT: 15.47 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

ClientSampleId :

CL-02-051719MSD

Tot Ion:198 Resp: 72840

Ion Ratio Lower Upper

198 100

51 29.4 6.4 46.4

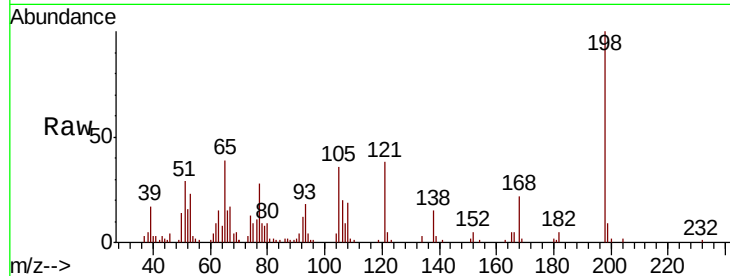
105 36.5 15.1 55.1

Manual Integrations

APPROVED

mohammad

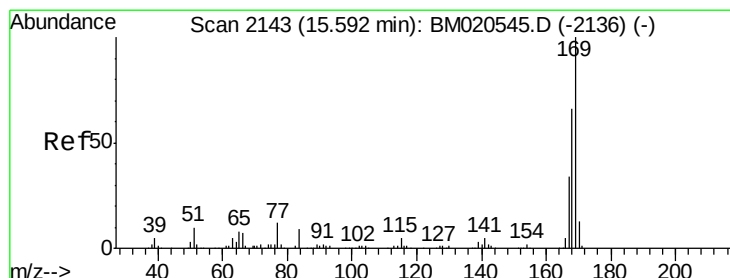
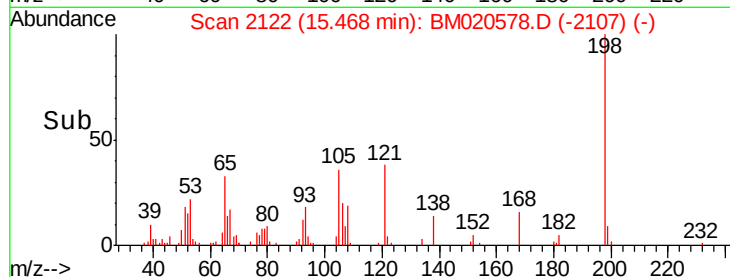
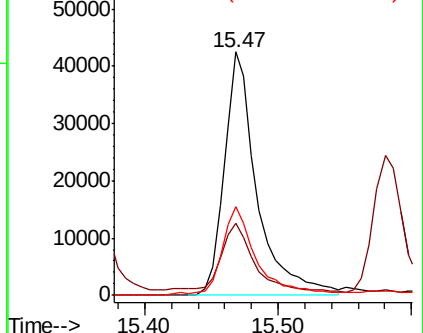
5/29/2019 6:16:15 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.005 ng

RT: 15.59 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

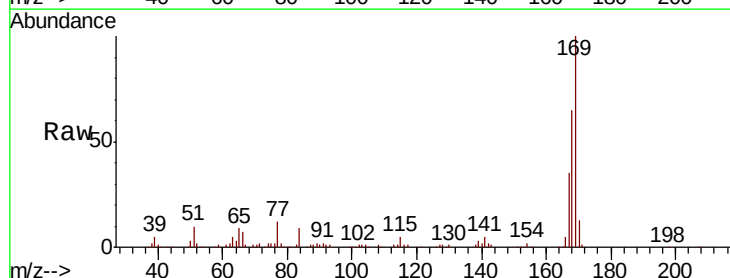
Tgt Ion:169 Resp: 367023

Ion Ratio Lower Upper

169 100

168 65.3 52.5 78.7

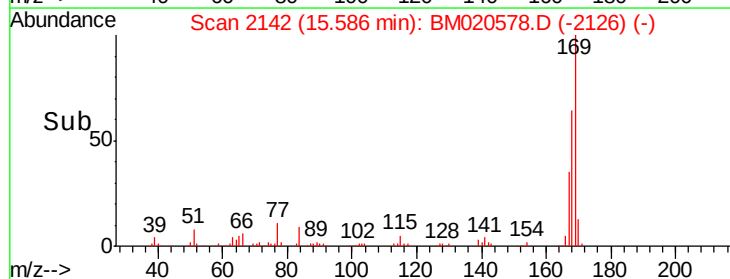
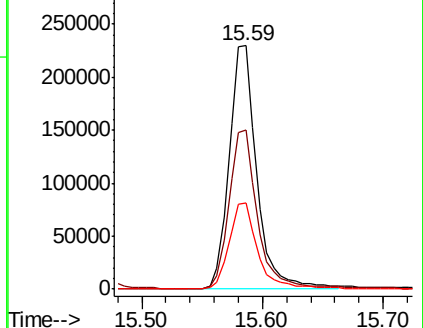
167 35.4 27.5 41.3

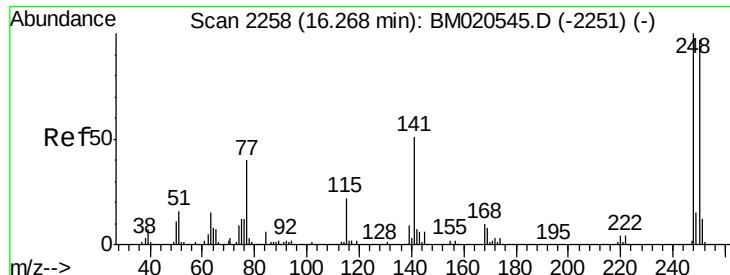


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





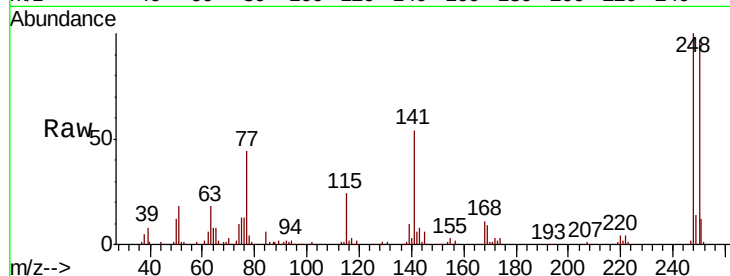
#67
4-Bromophenyl-phenylether
Concen: 44.129 ng
RT: 16.26 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.6
141	54.2	41.0	61.6

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

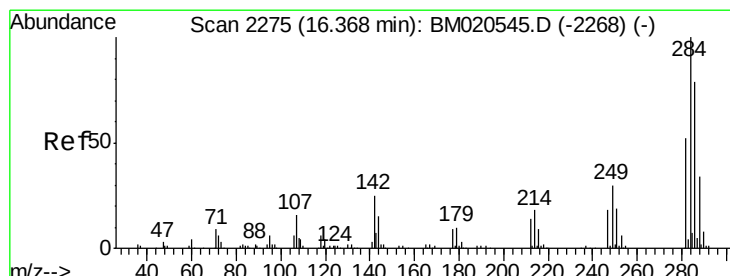
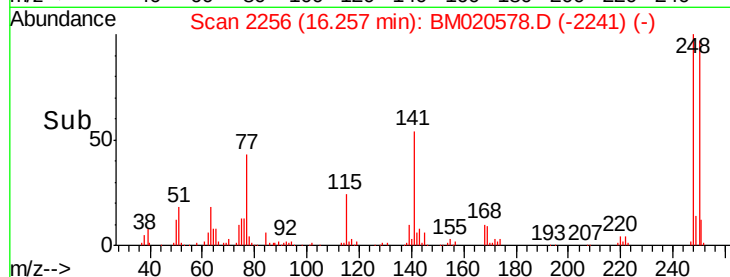
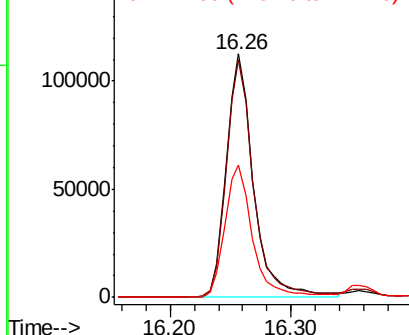


Abundance

Ion 248.00 (247.70 to 248.70): E

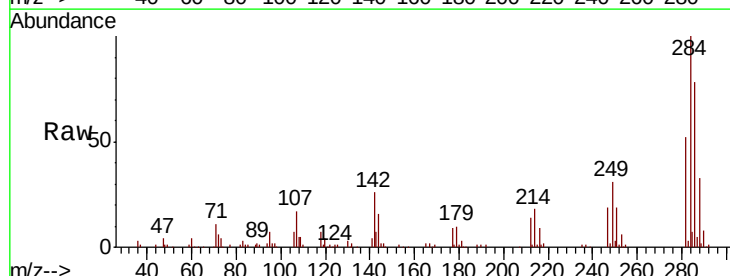
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 43.481 ng
RT: 16.36 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
284	100		
142	25.6	20.2	30.2
249	31.1	23.9	35.9

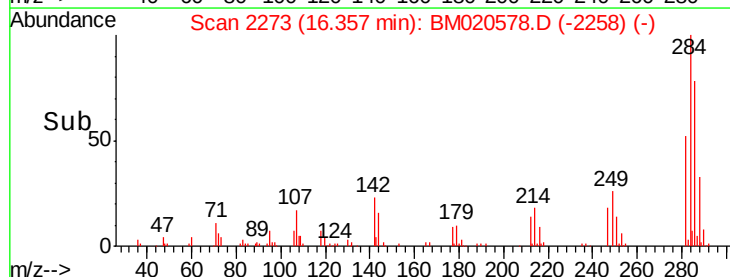
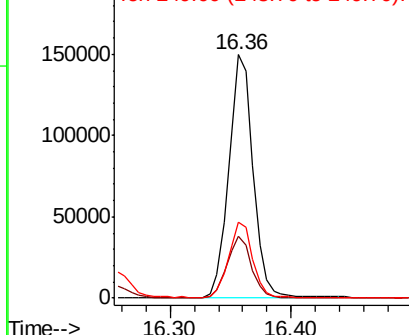


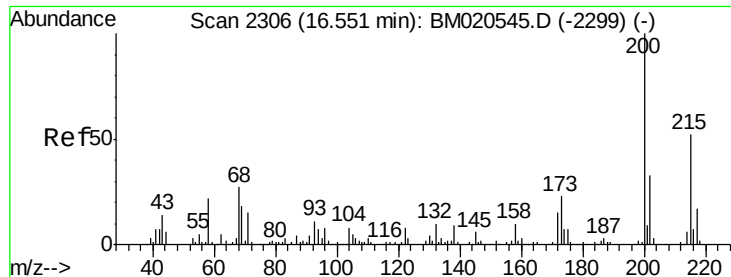
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





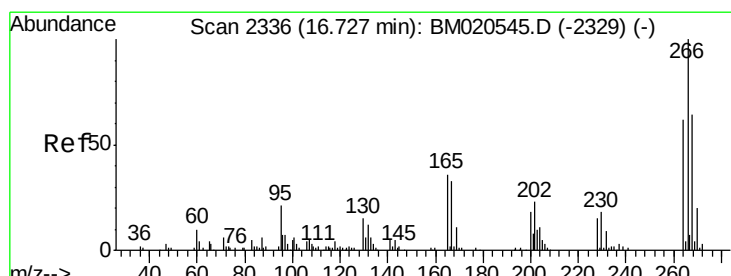
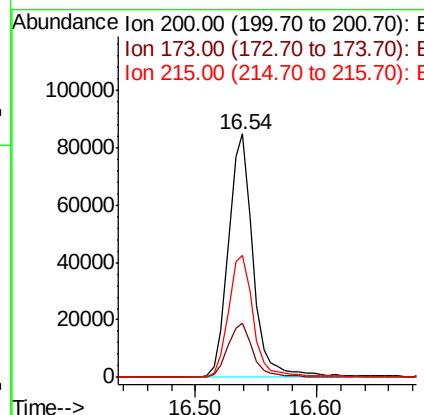
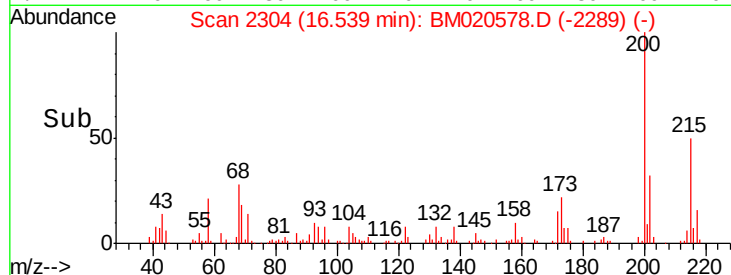
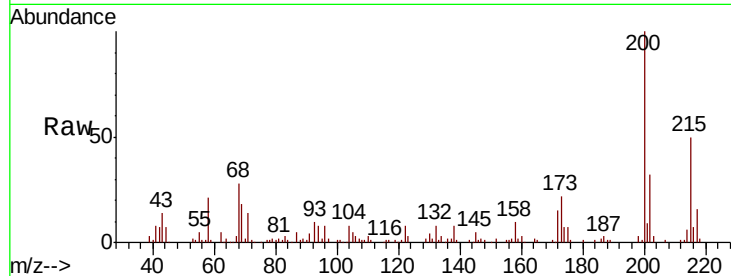
#69
 Atrazine
 Concen: 35.723 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	119863		
173	22.2	3.2	43.2	
215	50.3	31.7	71.7	

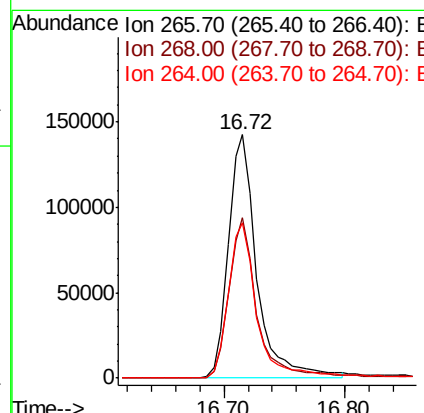
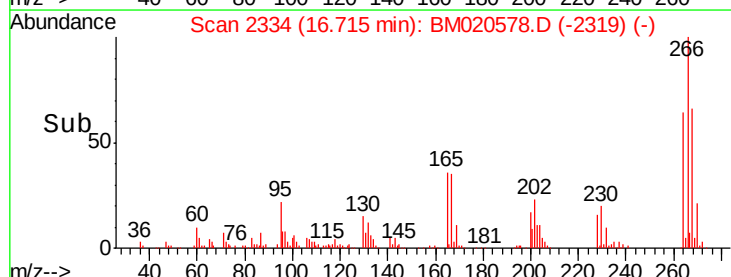
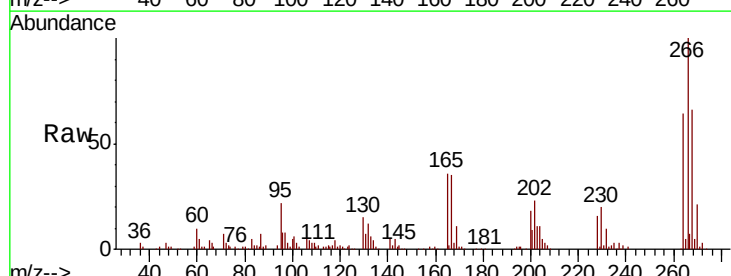
Manual Integrations
 APPROVED

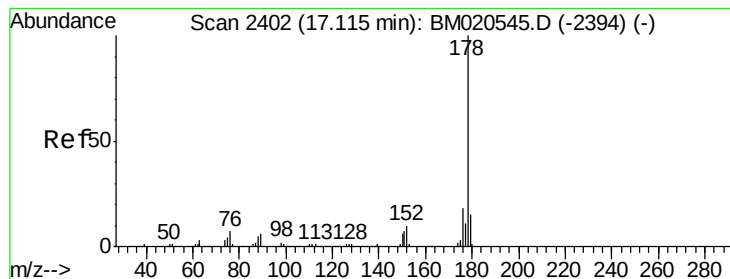
mohammad
 5/29/2019 6:16:15 PM



#70
 Pentachlorophenol
 Concen: 93.042 ng
 RT: 16.72 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	233470		
268	65.8	51.0	76.4	
264	63.8	49.8	74.8	





#71

Phenanthrene

Concen: 43.621 ng

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

ClientSampleId :

CL-02-051719MSD

Tot Ion:178 Resp: 712728

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

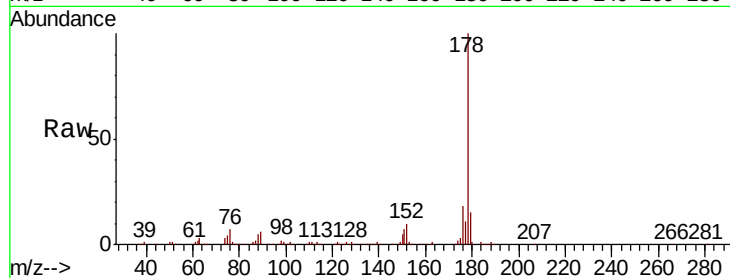
179 15.3 12.2 18.2

Manual Integrations

APPROVED

mohammad

5/29/2019 6:16:15 PM

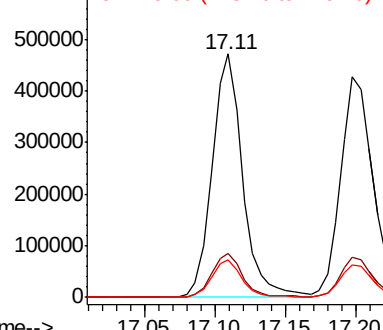


Abundance

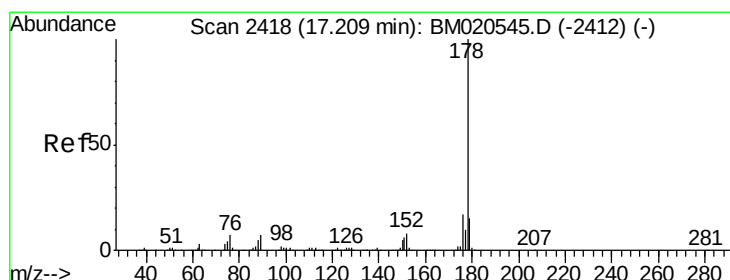
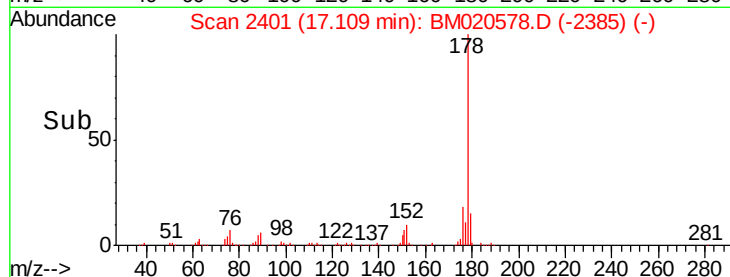
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 43.153 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

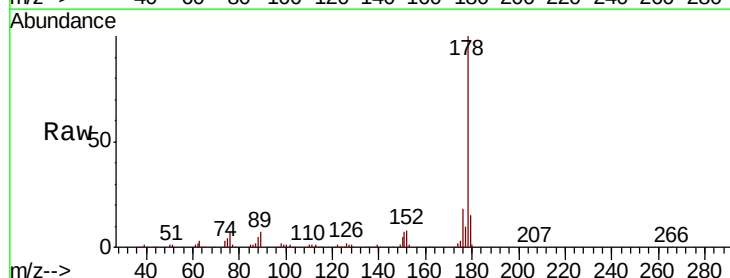
Tgt Ion:178 Resp: 683769

Ion Ratio Lower Upper

178 100

176 18.2 14.0 21.0

179 15.0 12.4 18.6

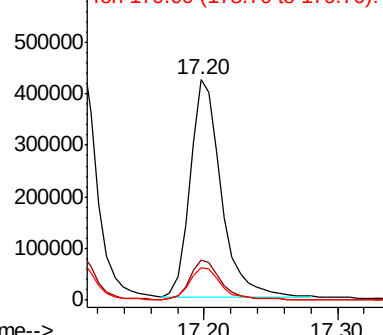


Abundance

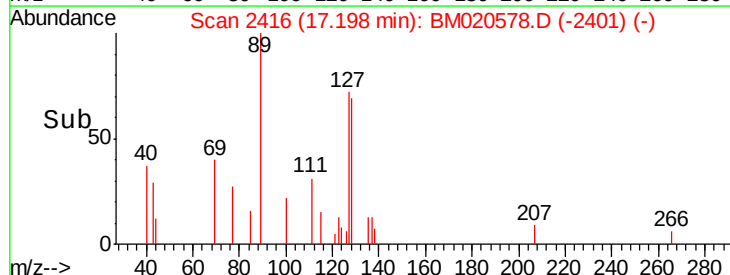
Ion 178.00 (177.70 to 178.70): E

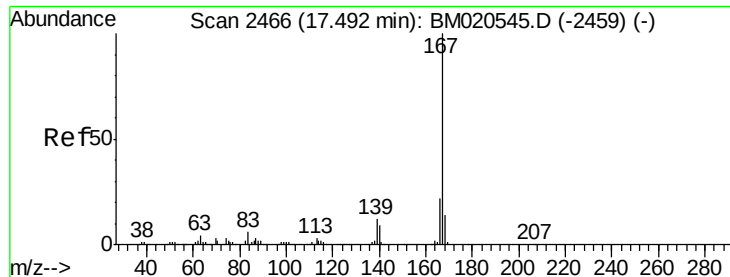
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#73

Carbazole

Concen: 40.244 ng

RT: 17.49 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

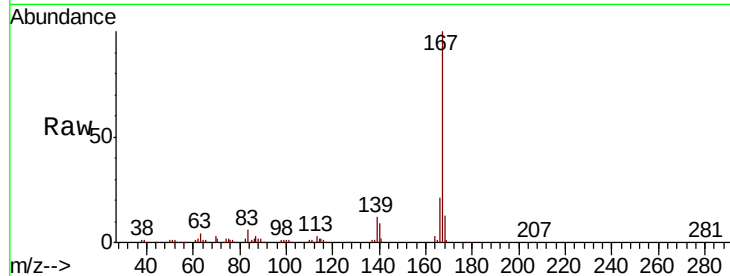
ClientSampleId :

CL-02-051719MSD

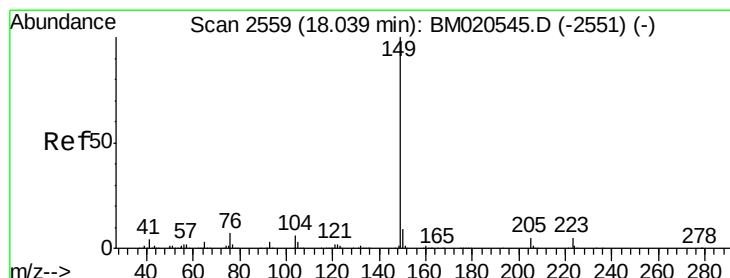
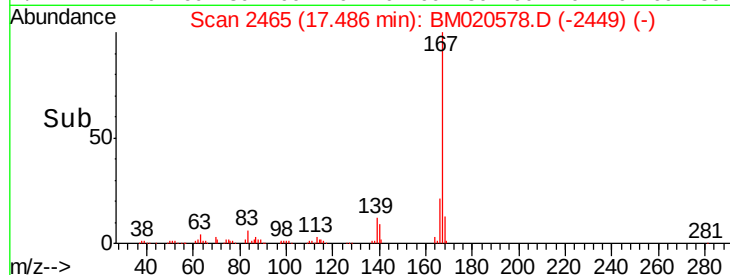
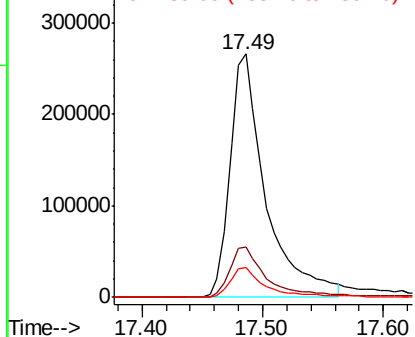
Tot Ion:	167	Resp:	547248
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.4	26.0
139	12.2	9.3	13.9

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



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



#74

Di-n-butylphthalate

Concen: 43.167 ng

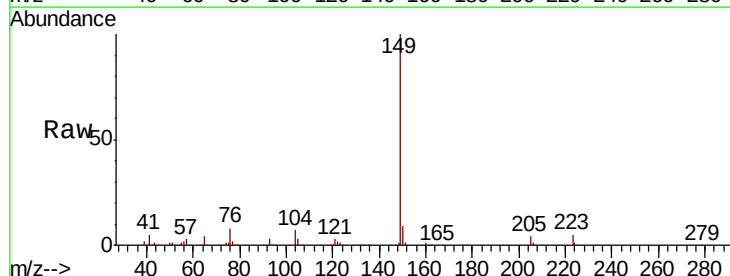
RT: 18.03 min Scan# 2557

Delta R.T. -0.01 min

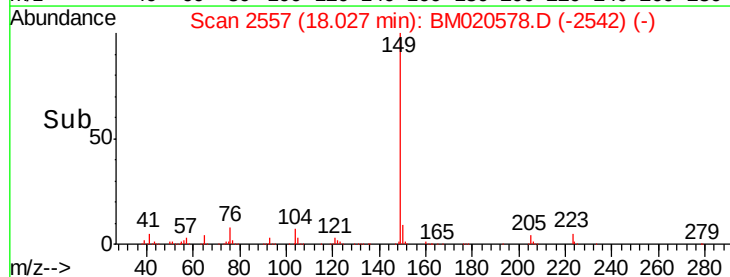
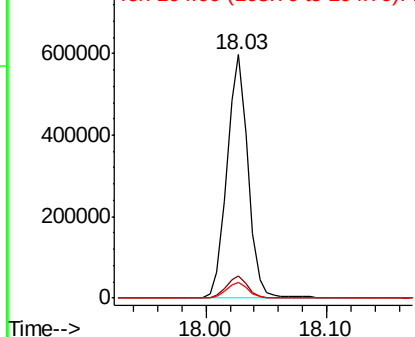
Lab File: BM020578.D

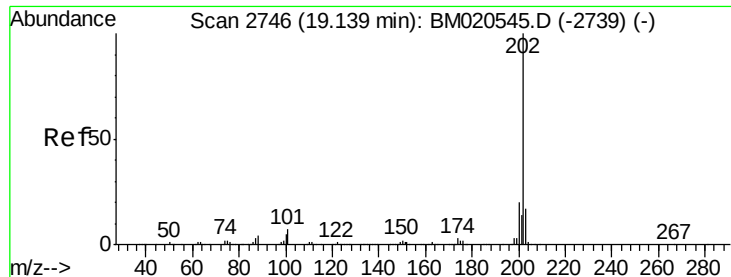
Acq: 28 May 2019 13:14

Tgt Ion:	149	Resp:	722089
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.3	10.9
104	6.6	5.0	7.4



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





#75

Fluoranthene

Concen: 42.740 ng

RT: 19.13 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

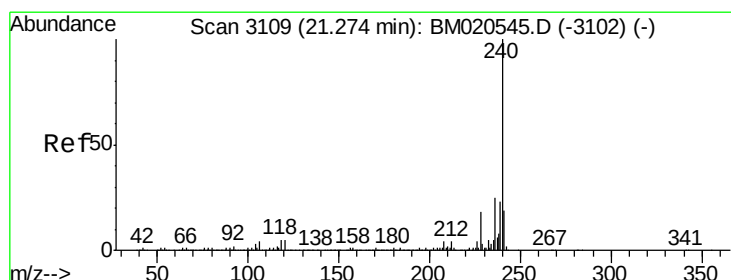
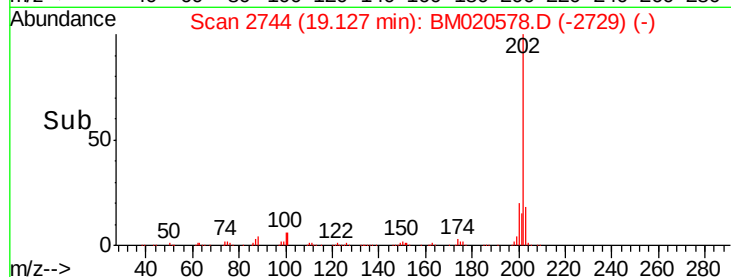
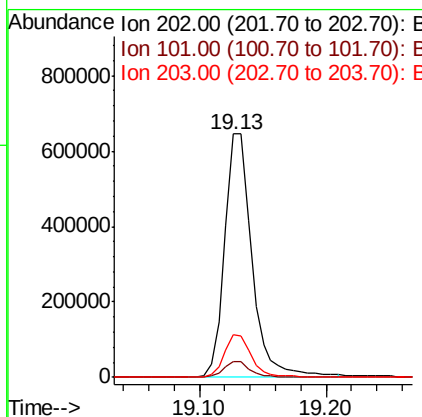
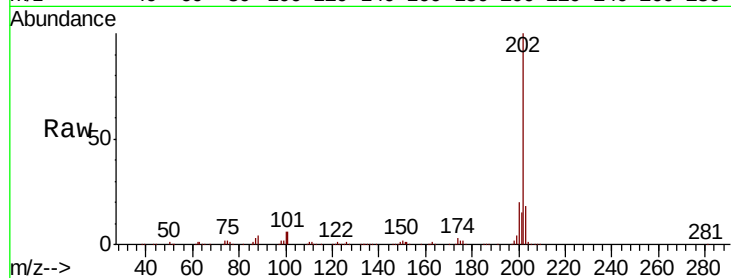
ClientSampleId :

CL-02-051719MSD

Tot Ion:	202	Resp:	971102
Ion Ratio		Lower	Upper
202	100		
101	6.5	0.0	26.7
203	17.5	0.0	37.4

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#76

Chrysene-d12

Concen: 20.000 ng

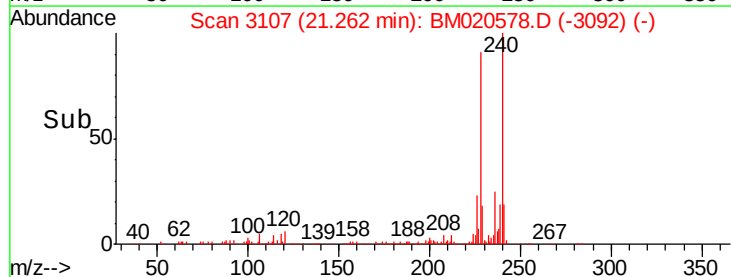
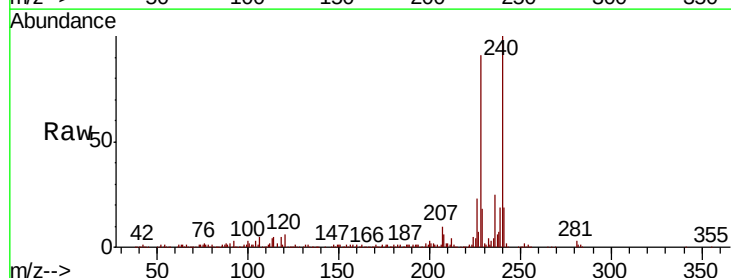
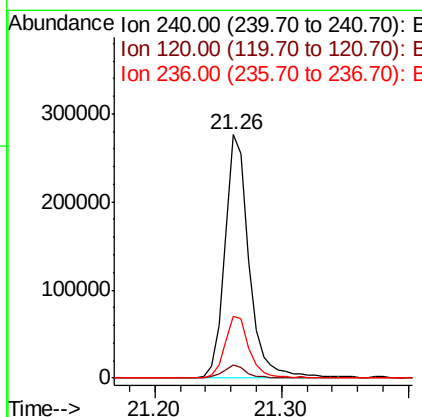
RT: 21.26 min Scan# 3107

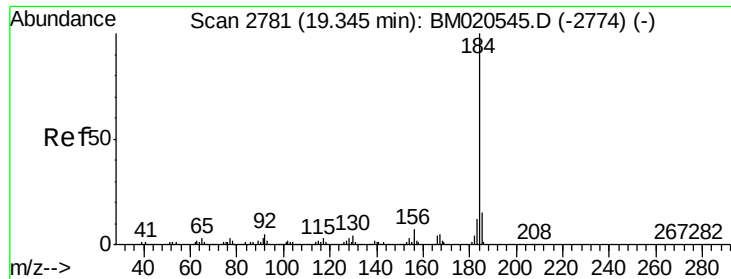
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	240	Resp:	363668
Ion Ratio		Lower	Upper
240	100		
120	5.7	4.1	6.1
236	25.5	20.2	30.4





#77

Benzidine

Concen: 2.277 ng/mL

RT: 19.39 min Scan# 2788

Delta R.T. 0.04 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

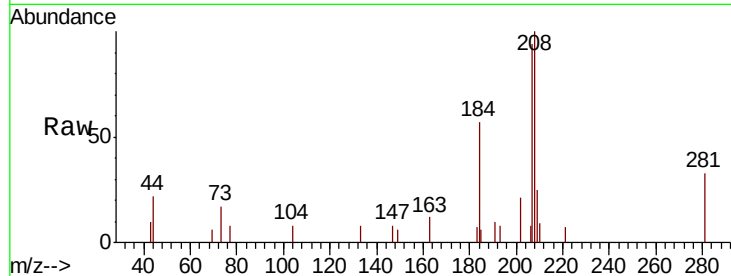
ClientSampleId :

CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	11.3	11.8	17.8
183	11.5	9.7	14.5

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM

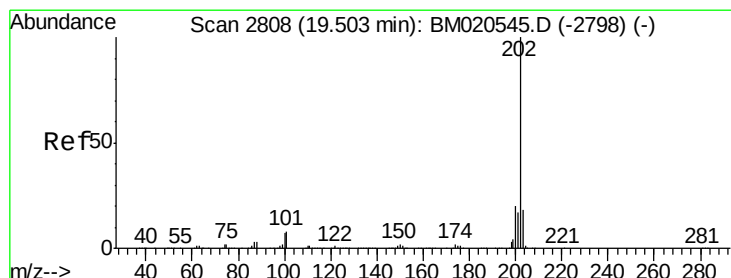
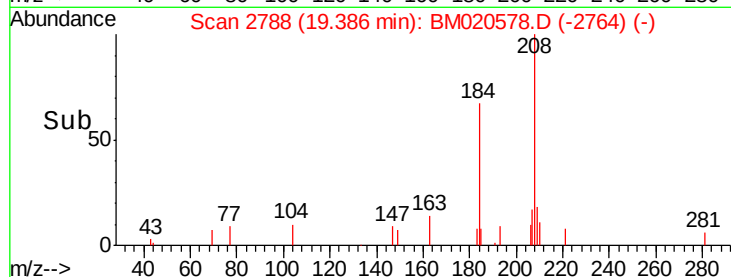
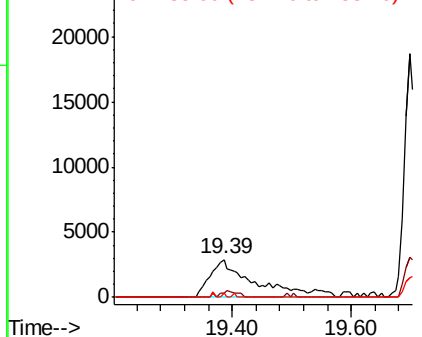


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.285 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

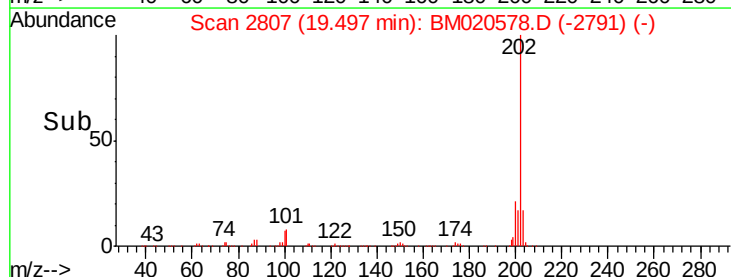
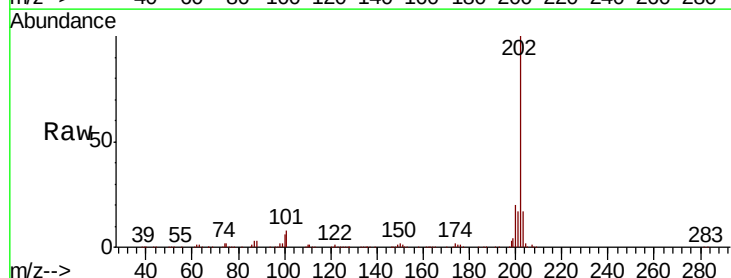
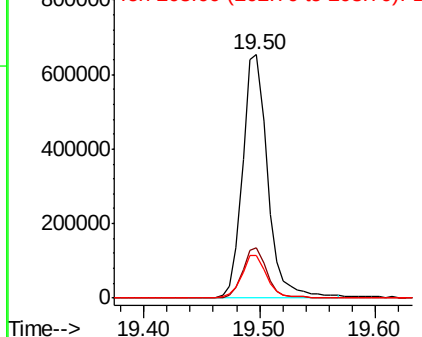
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.0	24.0
203	17.3	14.1	21.1

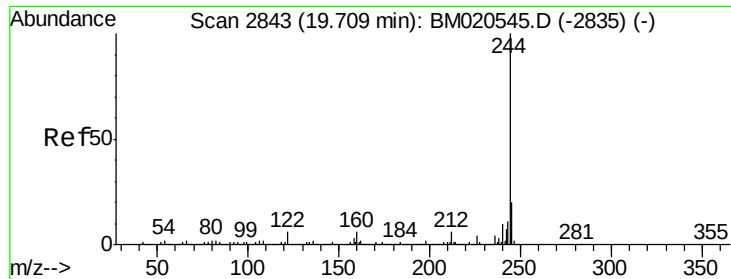
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





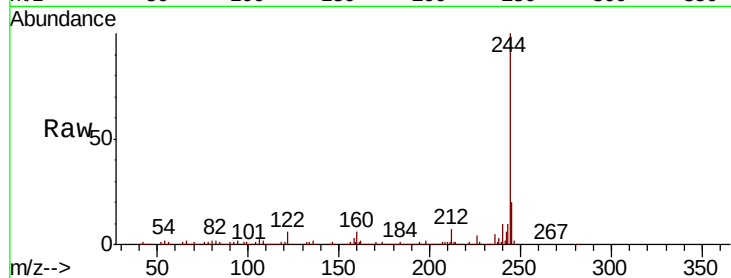
#79
 Terphenyl-d14
 Concen: 89.279 ng
 RT: 19.70 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

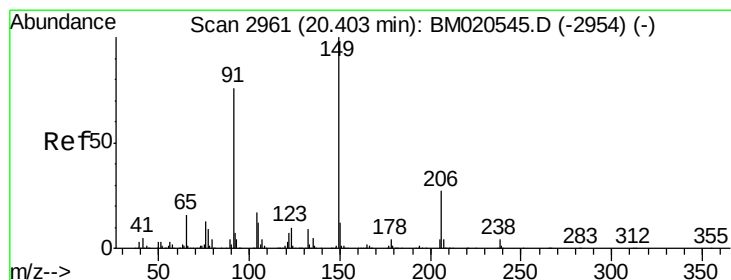
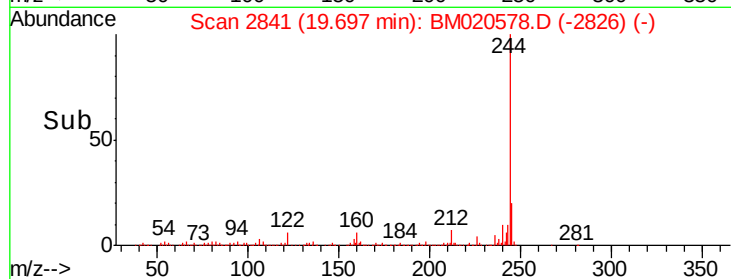
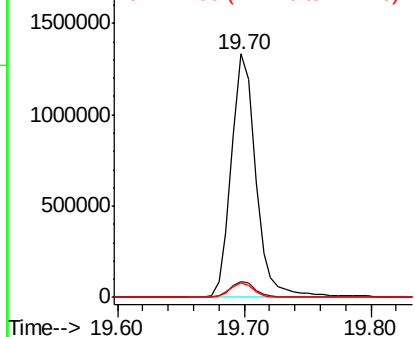
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.0	7.6
122	6.0	4.6	7.0

Manual Integrations
 APPROVED

mohammad
 5/29/2019 6:16:15 PM

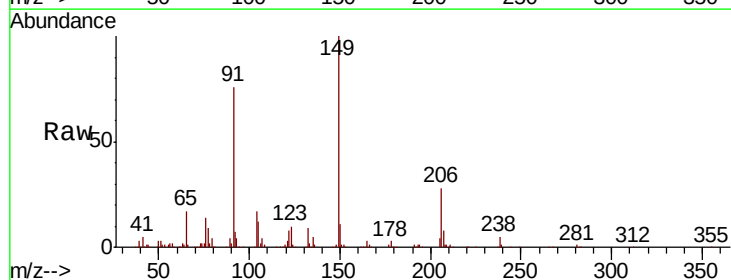


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

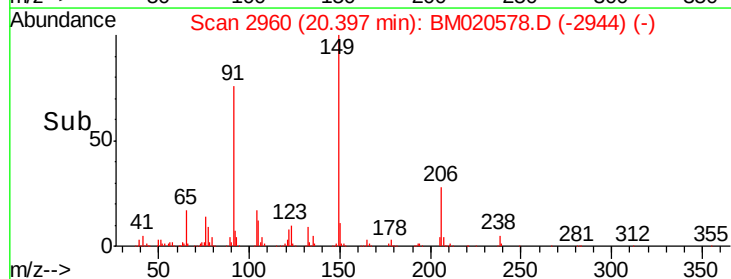
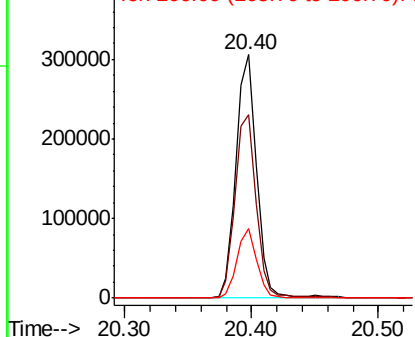


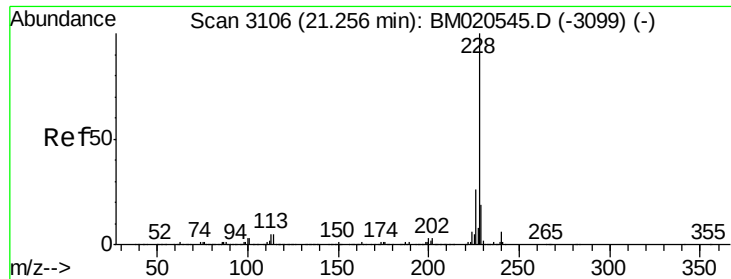
#80
 Butylbenzylphthalate
 Concen: 42.834 ng
 RT: 20.40 min Scan# 2960
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.5	60.9	91.3
206	28.5	21.6	32.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BM0
 Ion 206.00 (205.70 to 206.70): E





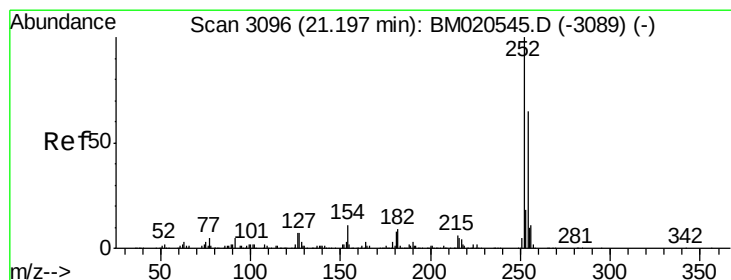
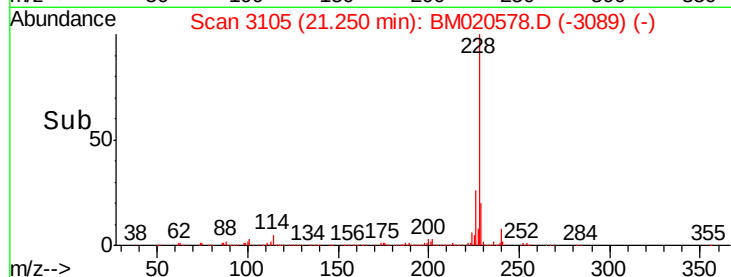
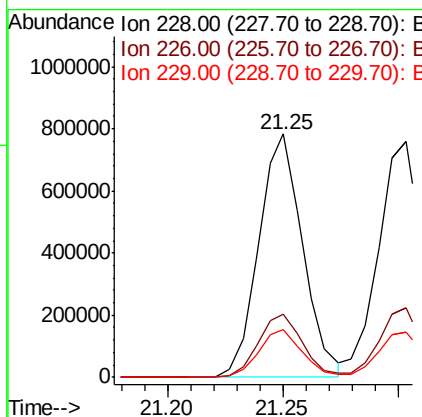
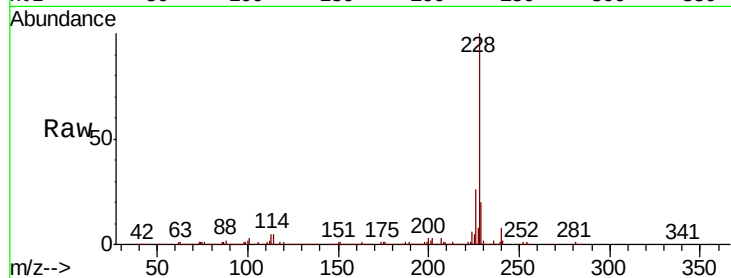
#81
Benzo(a)anthracene
Concen: 41.044 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.7	31.1
229	19.6	15.5	23.3

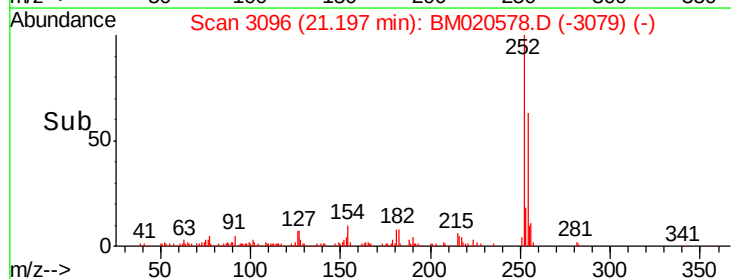
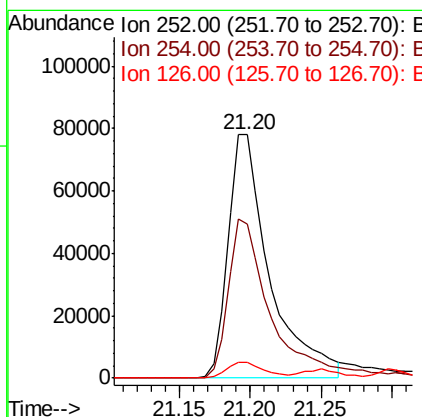
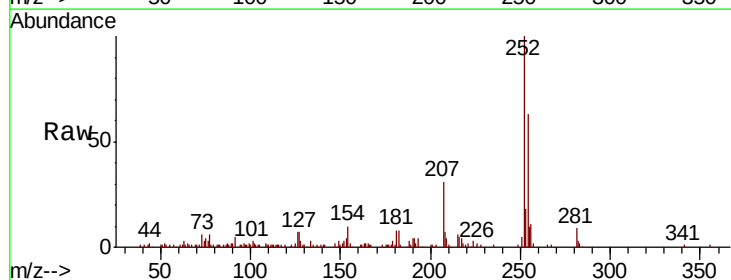
Manual Integrations
APPROVED

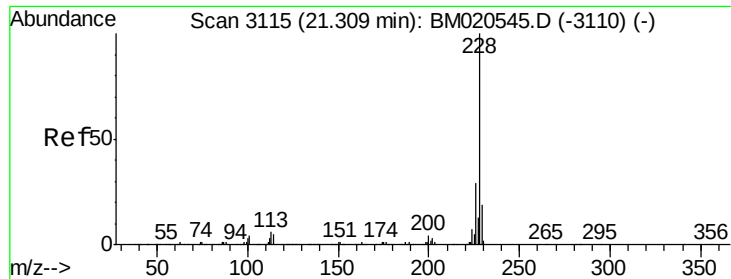
mohammad
5/29/2019 6:16:15 PM



#82
3,3'-Dichlorobenzidine
Concen: 17.465 ng
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.8	77.6
126	6.6	5.2	7.8





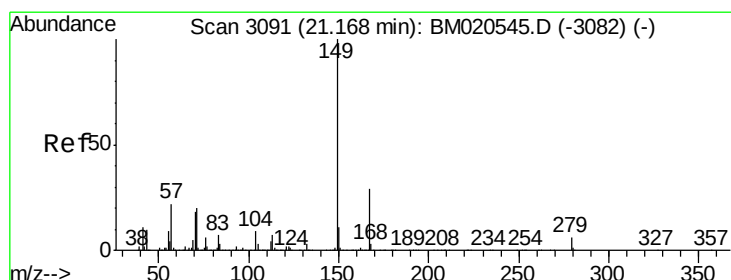
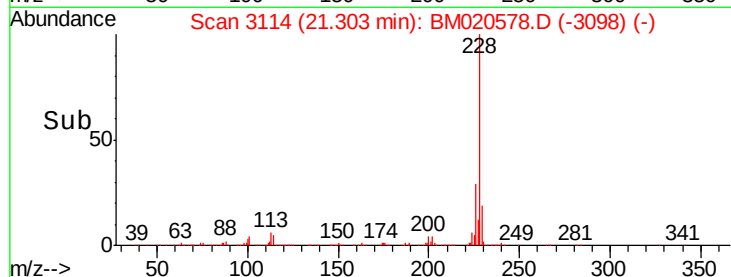
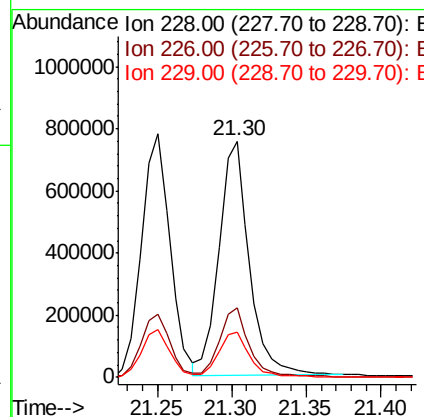
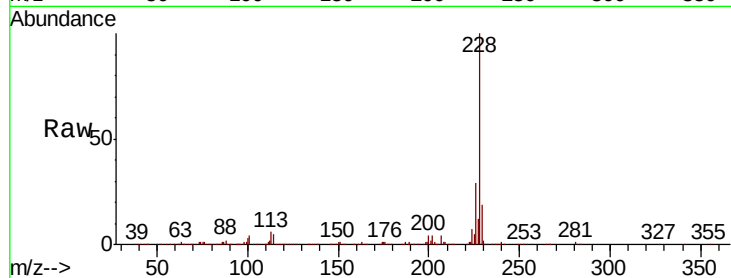
#83
 Chrysene
 Concen: 44.248 ng
 RT: 21.30 min Scan# 3114
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.9	34.3
229	19.2	15.4	23.2

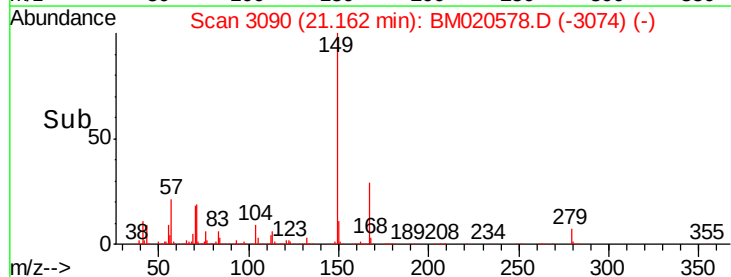
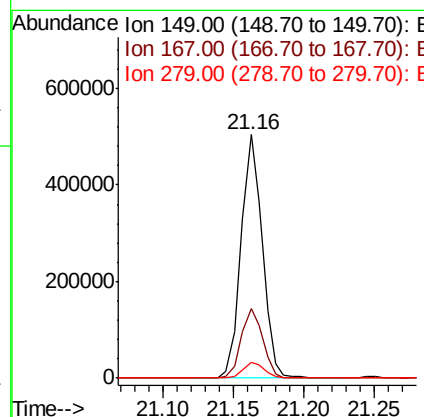
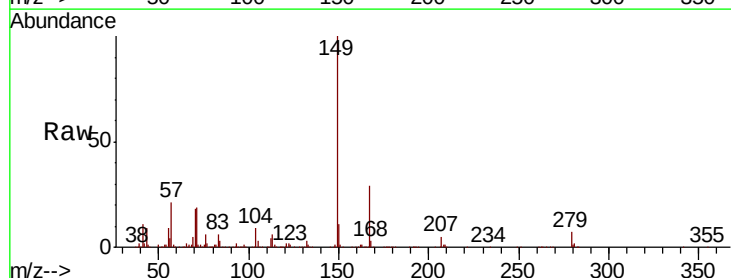
Manual Integrations
 APPROVED

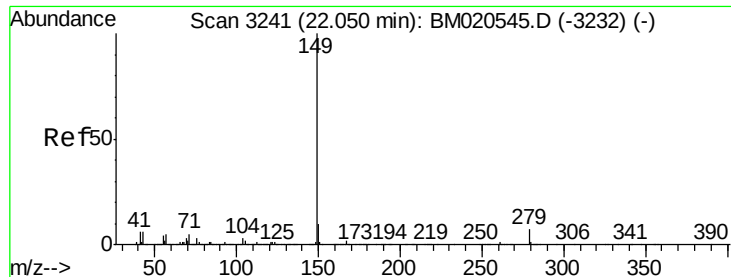
mohammad
 5/29/2019 6:16:15 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 45.276 ng
 RT: 21.16 min Scan# 3090
 Delta R.T. -0.01 min
 Lab File: BM020578.D
 Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	6.5	4.9	7.3





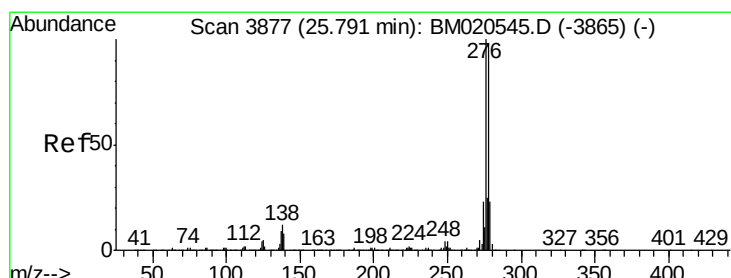
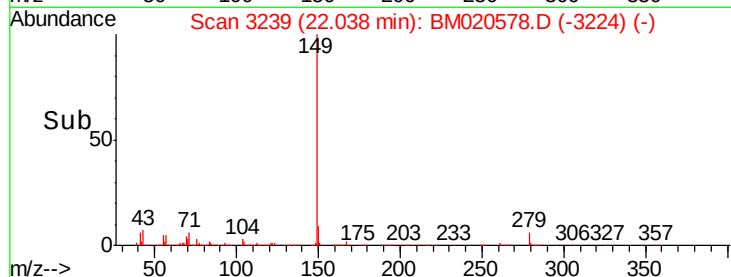
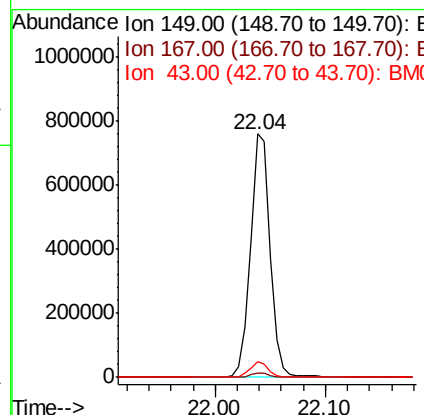
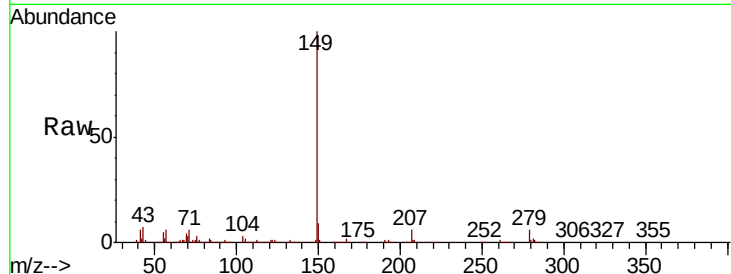
#85
Di-n-octyl phthalate
Concen: 46.635 ng
RT: 22.04 min Scan# 3239
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	6.1	4.8	7.2

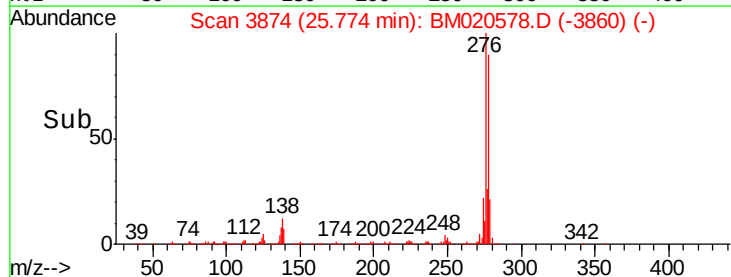
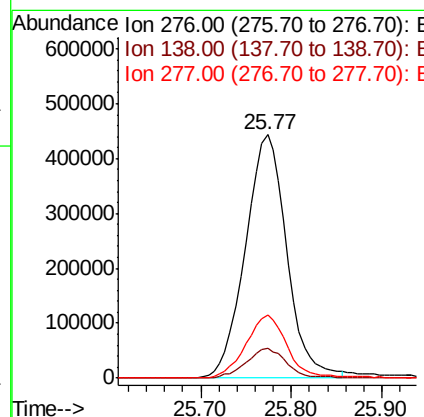
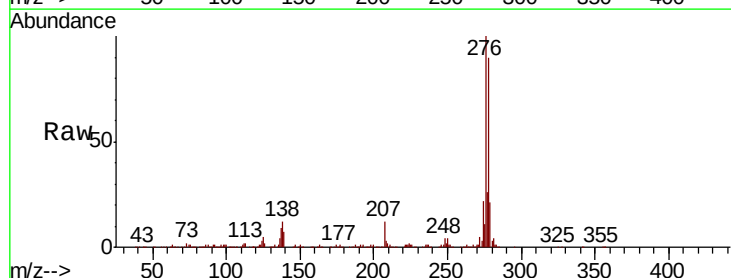
Manual Integrations
APPROVED

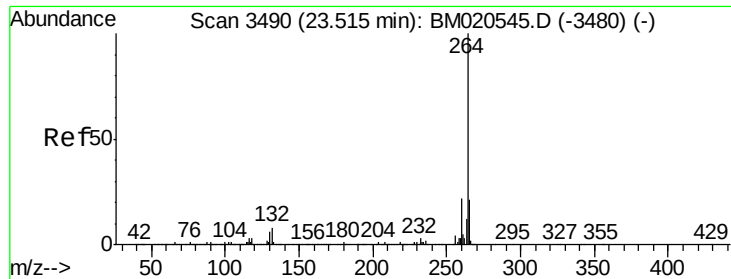
mohammad
5/29/2019 6:16:15 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 47.944 ng
RT: 25.77 min Scan# 3874
Delta R.T. -0.02 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.0	9.7	14.5
277	25.5	20.4	30.6





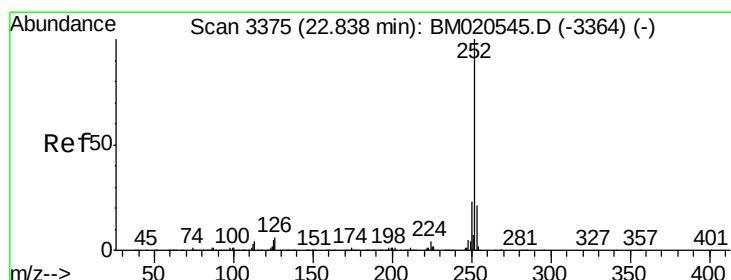
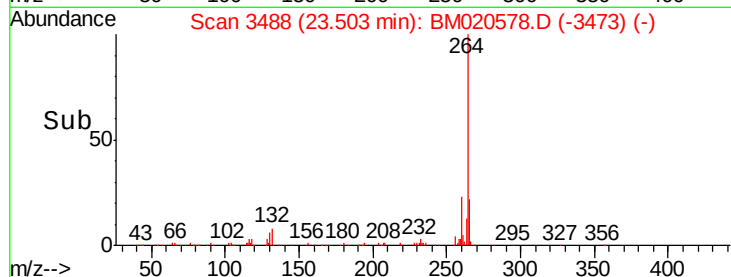
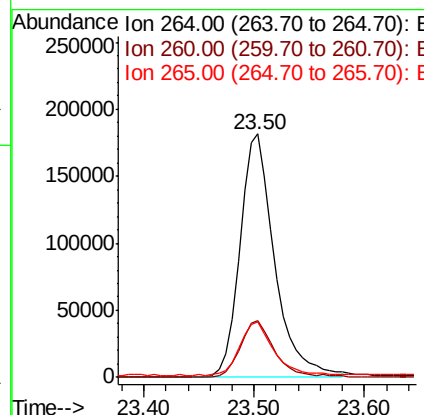
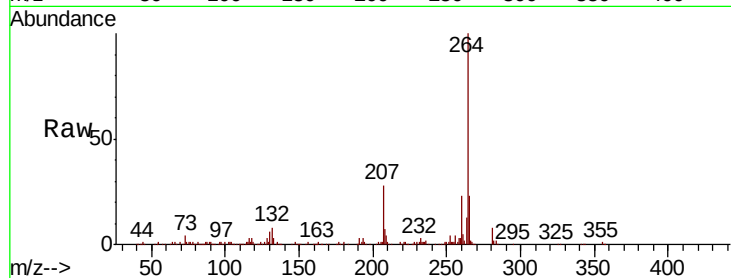
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3488
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.7	26.5
265	22.7	17.4	26.2

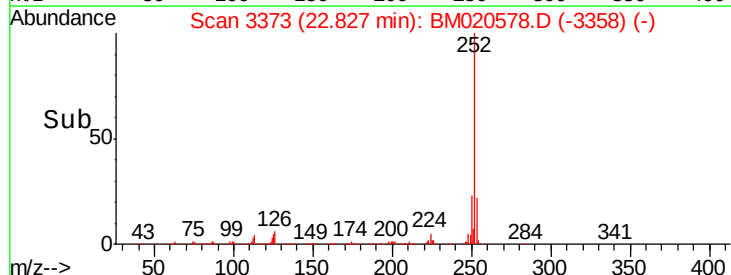
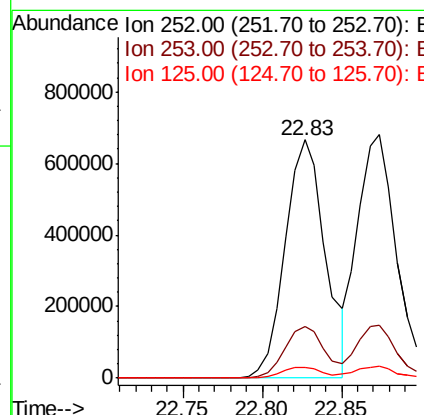
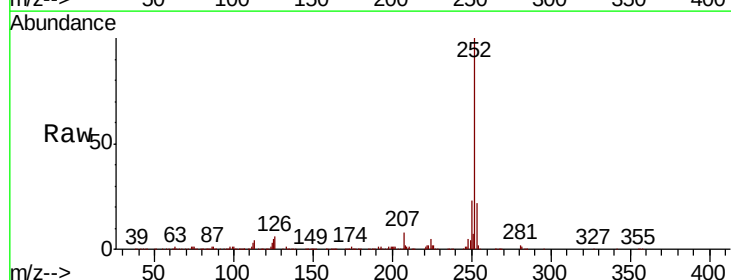
Manual Integrations
APPROVED

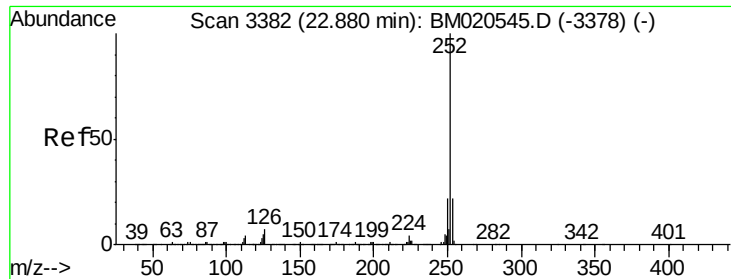
mohammad
5/29/2019 6:16:15 PM



#88
Benzo(b)fluoranthene
Concen: 44.876 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	4.7	3.8	5.8





#89

Benzo(k)fluoranthene

Concen: 45.808 ng

RT: 22.87 min Scan# 3381

Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Instrument :

BNA_M

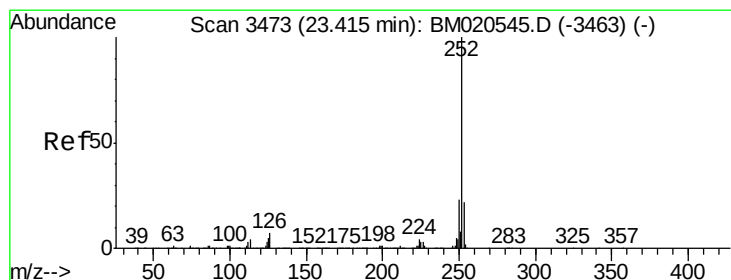
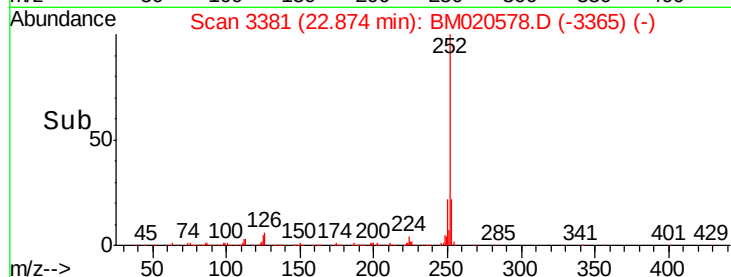
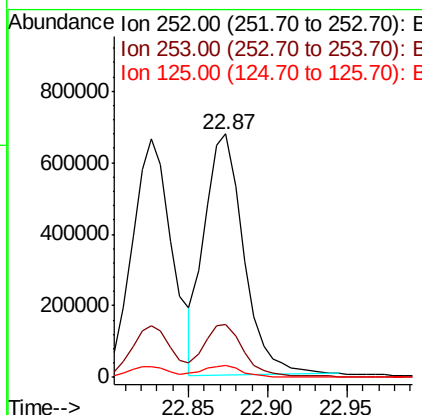
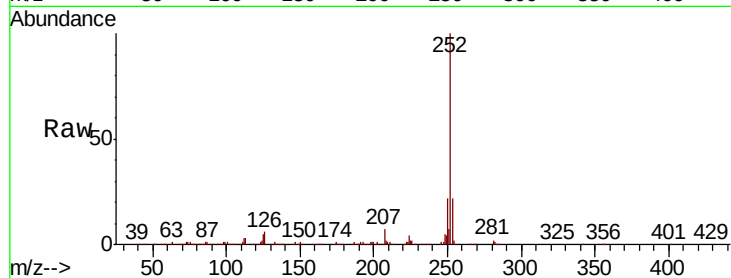
ClientSampleId :

CL-02-051719MSD

Tot Ion:	252	Resp:	1163757
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.6	26.4
125	4.9	4.2	6.4

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#90

Benzo(a)pyrene

Concen: 46.924 ng

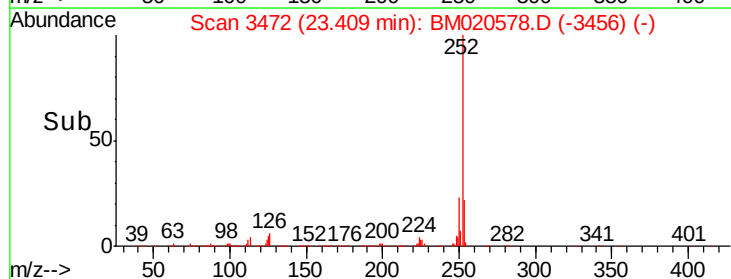
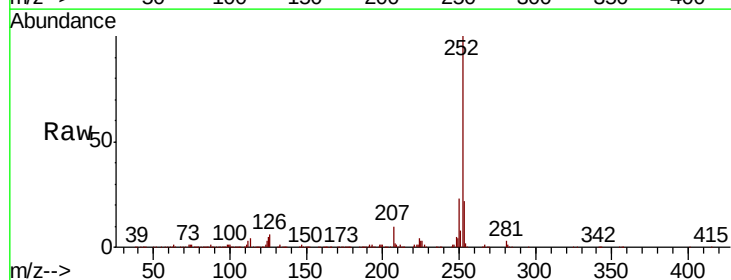
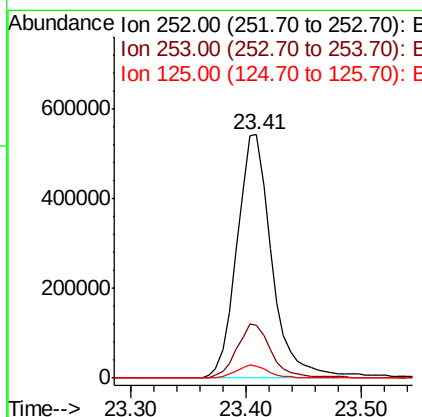
RT: 23.41 min Scan# 3472

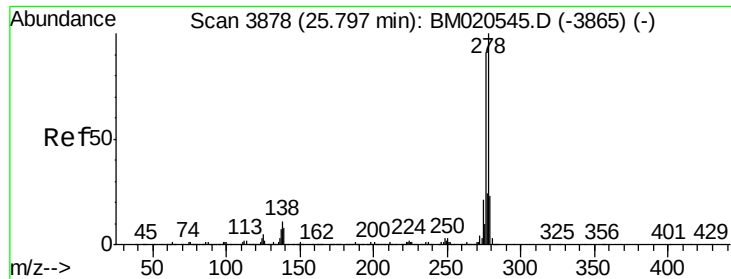
Delta R.T. -0.01 min

Lab File: BM020578.D

Acq: 28 May 2019 13:14

Tgt Ion:	252	Resp:	1130306
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.2
125	4.9	4.2	6.4





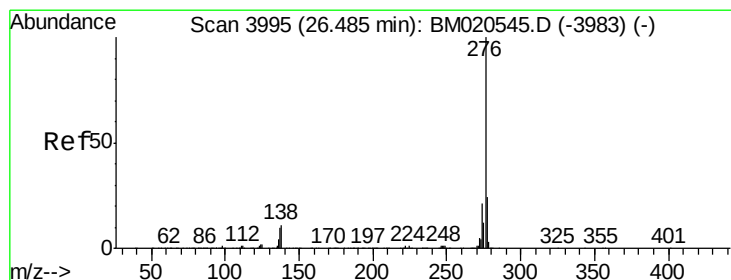
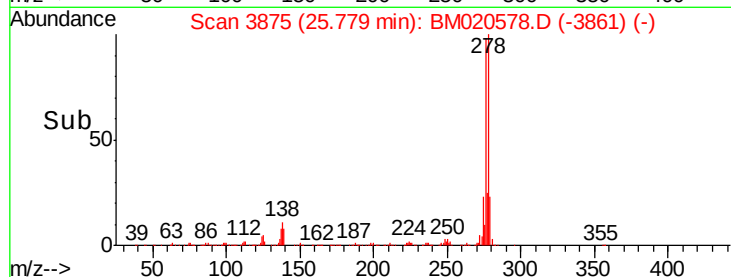
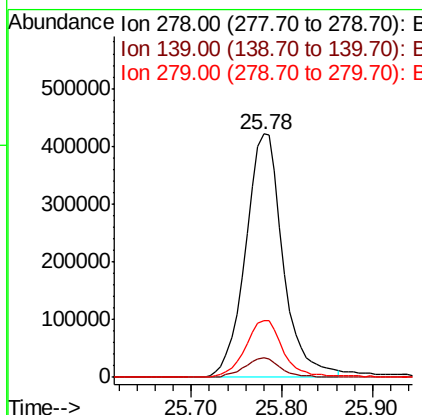
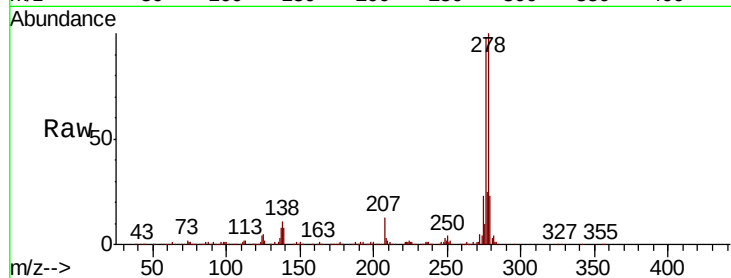
#91
Dibenzo(a,h)anthracene
Concen: 48.920 ng
RT: 25.78 min Scan# 3875
Delta R.T. -0.02 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Instrument :
BNA_M
ClientSampleId :
CL-02-051719MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.9	6.3	9.5
279	23.4	18.3	27.5

Manual Integrations
APPROVED

mohammad
5/29/2019 6:16:15 PM



#92
Benzo(g,h,i)perylene
Concen: 51.070 ng
RT: 26.47 min Scan# 3992
Delta R.T. -0.02 min
Lab File: BM020578.D
Acq: 28 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	9.9	8.6	12.8

