

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026687.D
 Acq On : 07 Jul 2020 21:31
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-S-4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
 APPROVED

mohammad
 7/9/2020 10:56:38 AM

Quant Time: Jul 08 05:47:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	51793	20.00	ng	0.00
21) Naphthalene-d8	10.09	136	230106	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	162246	20.00	ng	0.00
64) Phenanthrene-d10	16.75	188	377594	20.00	ng	0.00
76) Chrysene-d12	20.96	240	462661	20.00	ng	-0.01
86) Perylene-d12	23.03	264	492162	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.96	112	501812	162.39	ng	0.00
7) Phenol-d6	6.54	99	740373	150.38	ng	0.00
23) Nitrobenzene-d5	8.48	82	812628	150.67	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	421667	178.41	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	1828376	149.84	ng	0.00
79) Terphenyl-d14	19.42	244	3534338	150.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.96	88	6303	4.245	ng	95
3) Pyridine	3.39	79	11272	2.654	ng	# 77
4) n-Nitrosodimethylamine	3.28	42	8782	3.455	ng	# 91
6) Aniline	6.68	93	21479	3.554	ng	98
8) 2-Chlorophenol	6.90	128	14040	3.814	ng	96
9) Benzaldehyde	6.50	77	15463	5.659	ng	99
10) Phenol	6.56	94	17141	3.523	ng	84
11) bis(2-Chloroethyl)ether	6.78	93	14644	3.599	ng	97
12) 1,3-Dichlorobenzene	7.22	146	15492	3.872	ng	97
13) 1,4-Dichlorobenzene	7.36	146	15455	3.795	ng	95
14) 1,2-Dichlorobenzene	7.67	146	15025	3.703	ng	92
15) Benzyl Alcohol	7.59	79	11721	2.782	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.87	45	30880	3.677	ng	100
17) 2-Methylphenol	7.79	107	11411	3.086	ng	93
18) Hexachloroethane	8.38	117	5412	3.346	ng	# 81
19) n-Nitroso-di-n-propylamine	8.14	70	13838	3.378	ng	97
20) 3+4-Methylphenols	8.13	107	14586	2.869	ng	96
22) Acetophenone	8.16	105	24624	3.766	ng	# 93
24) Nitrobenzene	8.52	77	20869	3.678	ng	98
25) Isophorone	9.05	82	35634	3.445	ng	97
26) 2-Nitrophenol	9.23	139	5513	2.632	ng	98
27) 2,4-Dimethylphenol	9.31	122	12143	3.566	ng	# 84
28) bis(2-Chloroethoxy)methane	9.54	93	19965	3.494	ng	97
29) 2,4-Dichlorophenol	9.77	162	11036	2.943	ng	88
30) 1,2,4-Trichlorobenzene	9.96	180	15442	3.691	ng	98
31) Naphthalene	10.13	128	46360	3.622	ng	97
32) Benzoic acid	9.43	122	1713m	0.663	ng	
33) 4-Chloroaniline	10.27	127	17374	3.103	ng	98
34) Hexachlorobutadiene	10.42	225	9521	3.436	ng	93
35) Caprolactam	11.06	113	3181	2.394	ng	91
36) 4-Chloro-3-methylphenol	11.41	107	14164	2.988	ng	96
37) 2-Methylnaphthalene	11.76	142	34822	3.673	ng	98
38) 1-Methylnaphthalene	11.99	142	32753	3.606	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	19714	3.759	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026687.D
 Acq On : 07 Jul 2020 21:31
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-S-4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

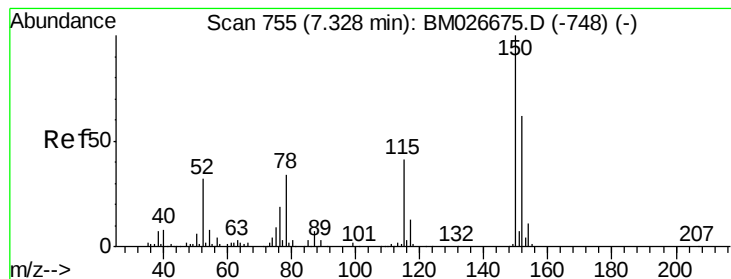
Manual Integrations
 APPROVED

mohammad
 7/9/2020 10:56:38 AM

Quant Time: Jul 08 05:47:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	4044	1.616	nq	86
43) 2,4,6-Trichlorophenol	12.41	196	9329m	2.715	nq	
44) 2,4,5-Trichlorophenol	12.49	196	11607	2.875	nq	# 93
46) 1,1'-Biphenyl	12.81	154	52974	4.133	nq	99
47) 2-Chloronaphthalene	12.85	162	36157	3.492	nq	99
48) 2-Nitroaniline	13.08	65	10634	2.496	nq	92
49) Acenaphthylene	13.70	152	56013	3.384	nq	99
50) Dimethylphthalate	13.47	163	48434	3.490	nq	98
51) 2,6-Dinitrotoluene	13.59	165	8984	3.023	nq	90
52) Acenaphthene	14.05	154	35356	3.515	nq	97
53) 3-Nitroaniline	13.93	138	6750	2.183	nq	95
54) 2,4-Dinitrophenol	14.16	184	1623	0.933	nq	# 80
55) Dibenzofuran	14.40	168	58428	3.543	nq	99
56) 4-Nitrophenol	14.29	139	3404	1.403	nq	# 79
57) 2,4-Dinitrotoluene	14.39	165	10964	2.556	nq	# 68
58) Fluorene	15.05	166	45722	3.348	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	11052	3.135	nq	# 98
60) Diethylphthalate	14.85	149	49798	3.394	nq	99
61) 4-Chlorophenyl-phenylether	15.06	204	24644	3.331	nq	90
62) 4-Nitroaniline	15.10	138	5425	1.681	nq	86
63) Azobenzene	15.35	77	52375	3.250	nq	96
65) 4,6-Dinitro-2-methylphenol	15.17	198	4259	1.659	nq	91
66) n-Nitrosodiphenylamine	15.28	169	39561	3.297	nq	97
67) 4-Bromophenyl-phenylether	15.95	248	15281	3.251	nq	93
68) Hexachlorobenzene	16.06	284	17902	3.619	nq	96
69) Atrazine	16.25	200	13970	3.872	nq	98
70) Pentachlorophenol	16.42	266	6427	2.297	nq	99
71) Phenanthrene	16.79	178	80154	3.596	nq	98
72) Anthracene	16.89	178	76412	3.443	nq	98
73) Carbazole	17.17	167	64709	3.059	nq	99
74) Di-n-butylphthalate	17.75	149	78394	2.947	nq	99
75) Fluoranthene	18.82	202	95598	3.482	nq	96
77) Benzidine	19.03	184	25641	2.811	nq	98
78) Pyrene	19.19	202	100770	3.458	nq	99
80) Butylbenzylphthalate	20.13	149	36639	2.801	nq	99
81) Benzo(a)anthracene	20.95	228	111249	3.580	nq	99
82) 3,3'-Dichlorobenzidine	20.90	252	33378	3.384	nq	# 98
83) Chrysene	21.00	228	107851	3.565	nq	98
84) Bis(2-ethylhexyl)phthalate	20.92	149	57951	2.766	nq	99
85) Di-n-octyl phthalate	21.76	149	102506	2.862	nq	95
87) Indeno(1,2,3-cd)pyrene	25.04	276	128909	3.679	nq	99
88) Benzo(b)fluoranthene	22.43	252	110236	3.399	nq	99
89) Benzo(k)fluoranthene	22.47	252	118227	3.717	nq	99
90) Benzo(a)pyrene	22.94	252	100776	3.348	nq	100
91) Dibenzo(a,h)anthracene	25.05	278	108989	3.685	nq	98
92) Benzo(g,h,i)perylene	25.65	276	107212	3.934	nq	99

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



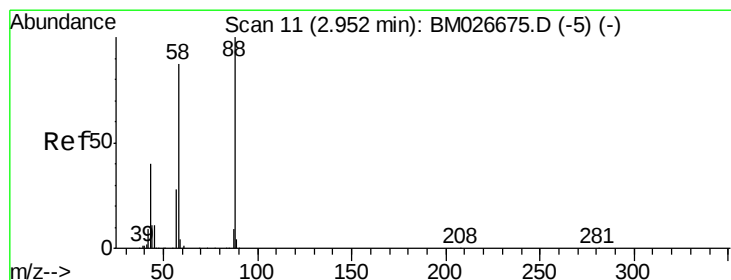
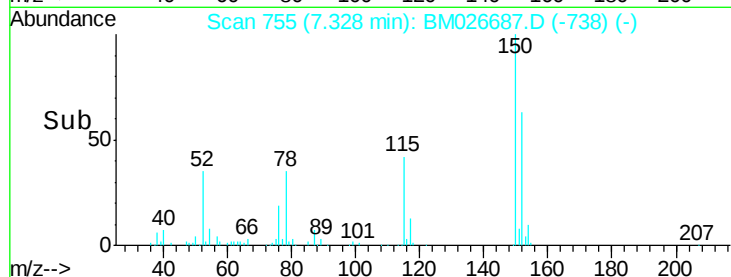
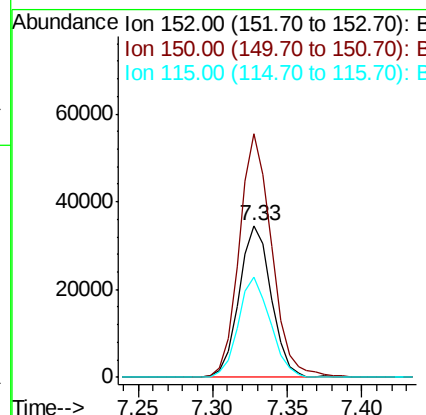
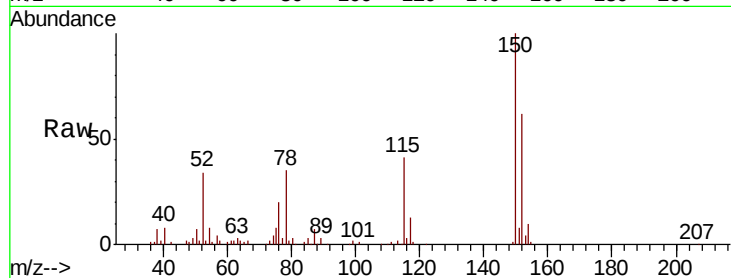
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.33 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	128.1	192.1
115	65.9	52.2	78.4

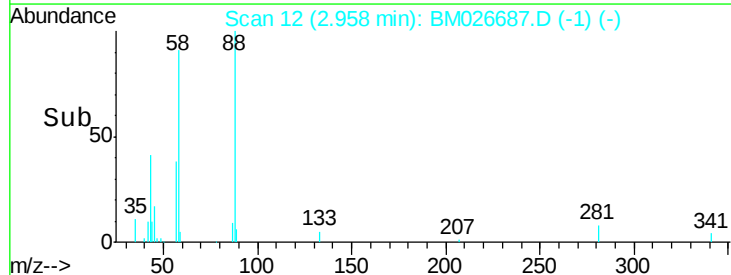
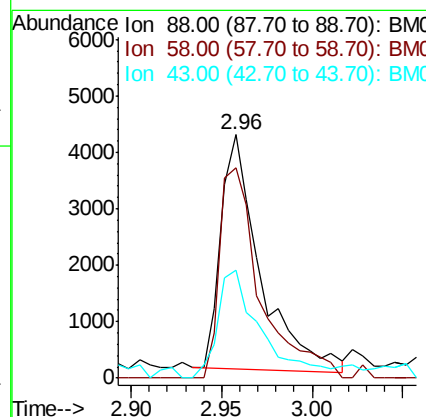
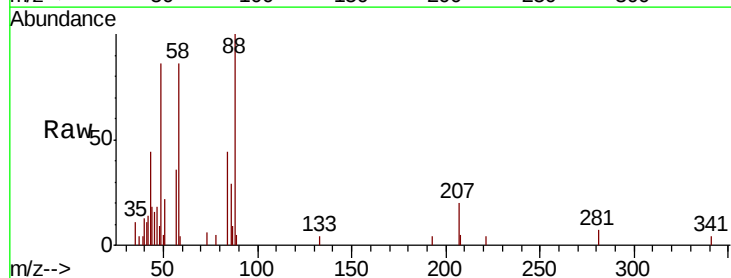
Manual Integrations
 APPROVED

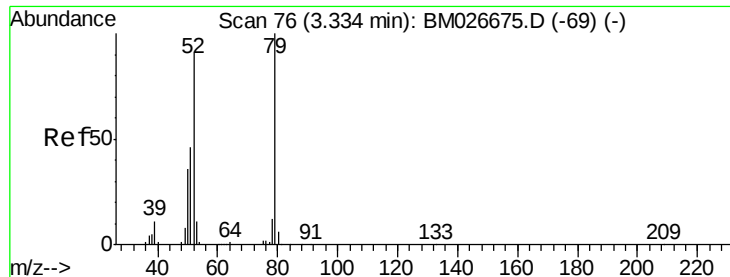
mohammad
 7/9/2020 10:56:38 AM



#2
 1,4-Dioxane
 Concen: 4.245 ng
 RT: 2.96 min Scan# 12
 Delta R.T. 0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	93.4	73.2	109.8
43	50.4	34.3	51.5





#3

Pvridine

Concen: 2.654 ng

RT: 3.39 min Scan# 86

Delta R.T. 0.06 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

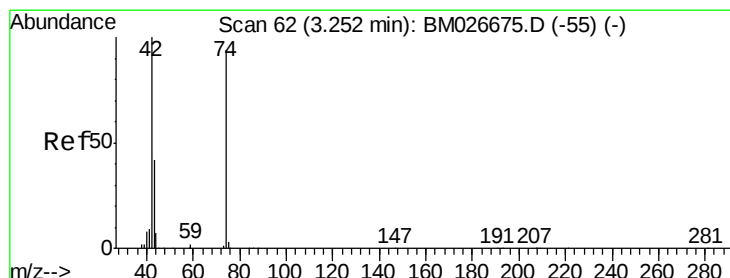
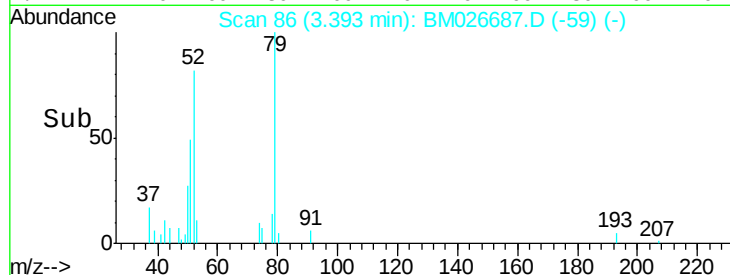
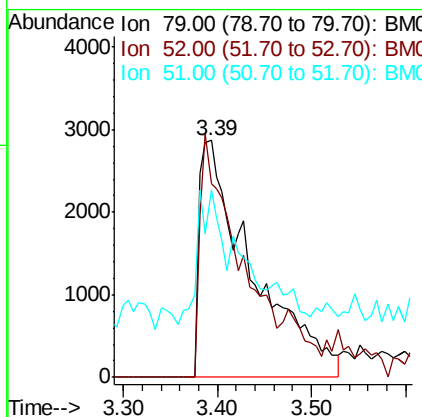
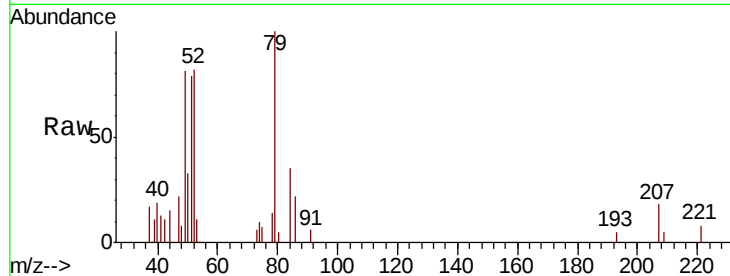
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	11272
Ion	Ratio	Lower	Upper
79	100		
52	81.8	72.9	109.3
51	79.0	37.6	56.4#

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#4

n-Nitrosodimethylamine

Concen: 3.455 ng

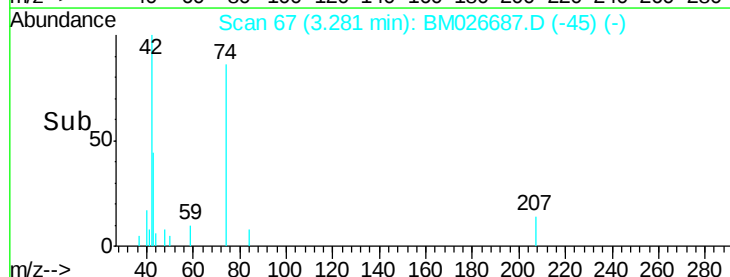
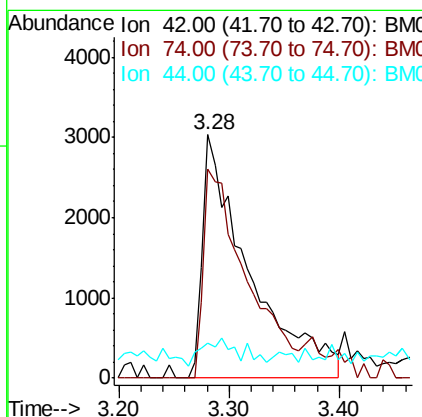
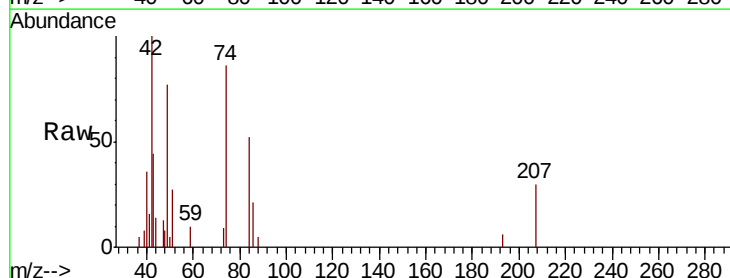
RT: 3.28 min Scan# 67

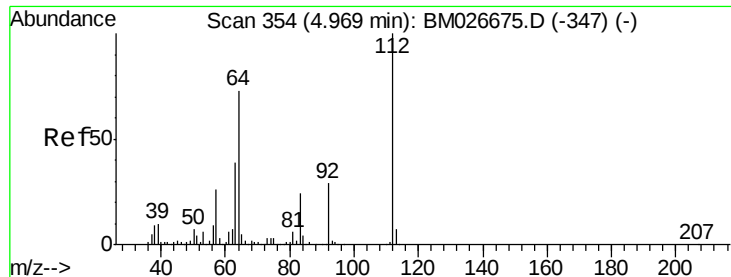
Delta R.T. 0.03 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	42	Resp:	8782
Ion	Ratio	Lower	Upper
42	100		
74	86.1	75.1	112.7
44	14.2	5.7	8.5#





#5

2-Fluorophenol

Concen: 162.393 ng

RT: 4.96 min Scan# 353

Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

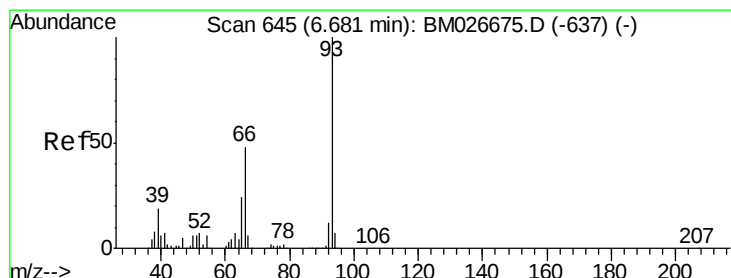
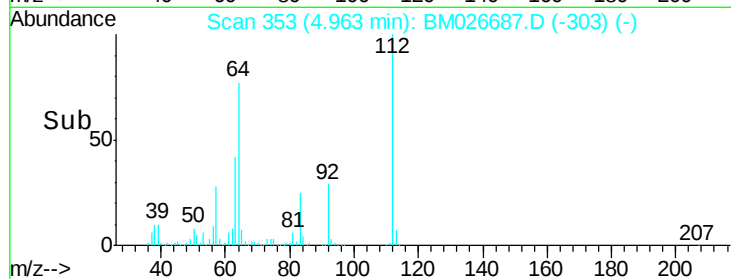
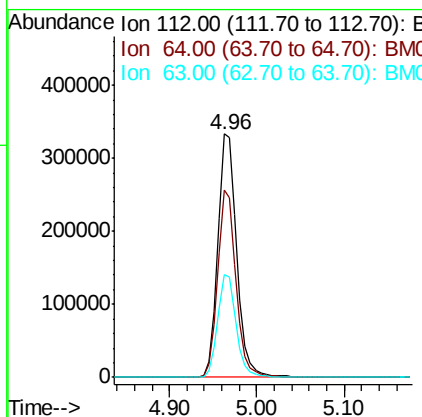
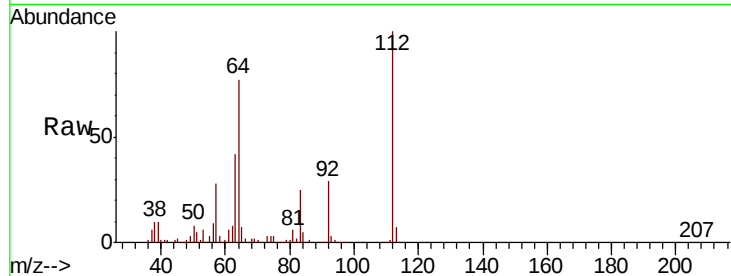
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	112	Resp:	501812
Ion Ratio	Lower	Upper	
112	100		
64	77.1	58.4	87.6
63	42.2	31.5	47.3

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#6

Aniline

Concen: 3.554 ng

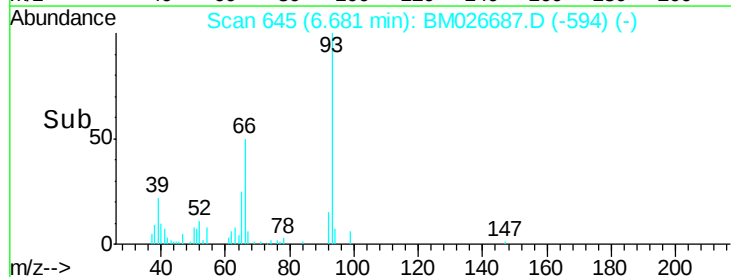
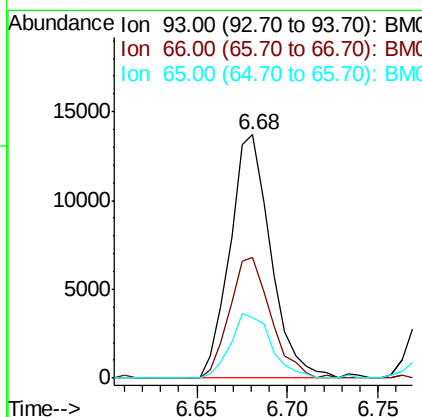
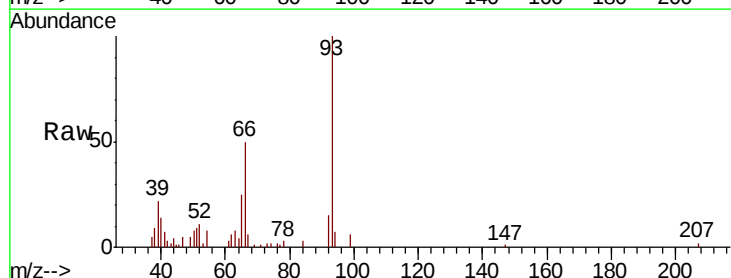
RT: 6.68 min Scan# 645

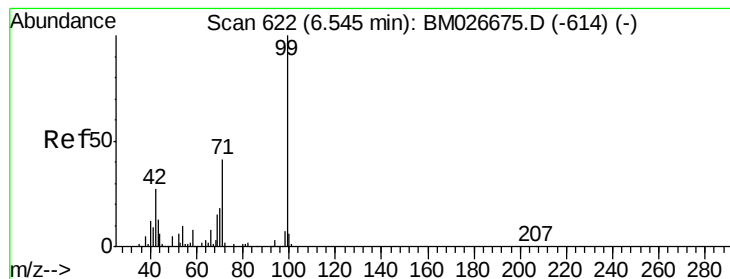
Delta R.T. 0.00 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	93	Resp:	21479
Ion Ratio	Lower	Upper	
93	100		
66	49.8	38.2	57.4
65	24.7	19.6	29.4





#7

Phenol-d6

Concen: 150.381 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

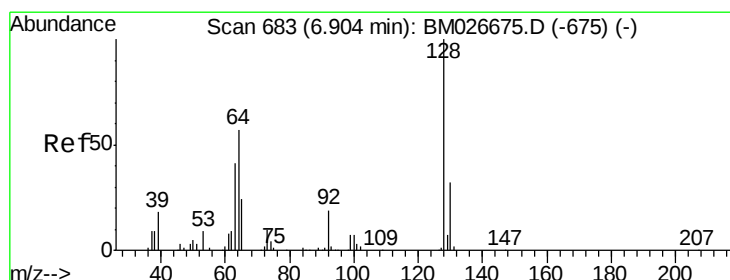
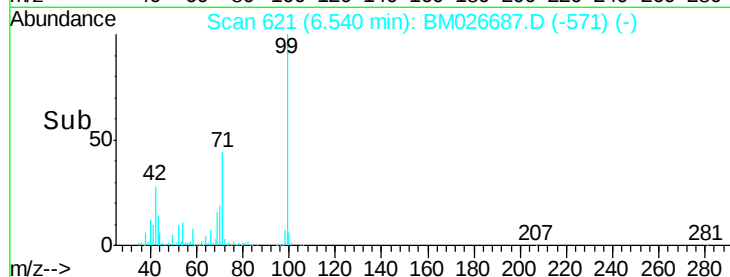
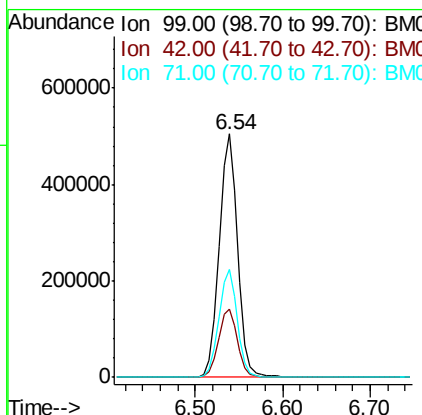
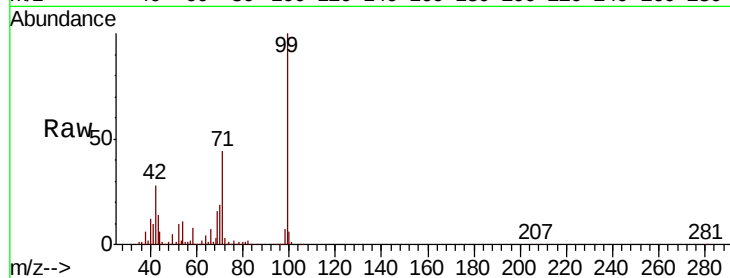
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	99	Resp:	740373
Ion Ratio	Lower	Upper	
99	100		
42	28.0	21.7	32.5
71	44.2	33.2	49.8

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#8

2-Chlorophenol

Concen: 3.814 ng

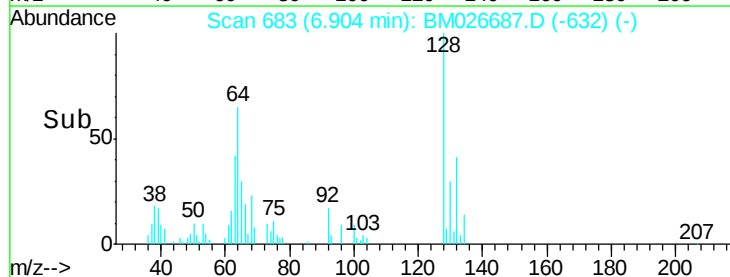
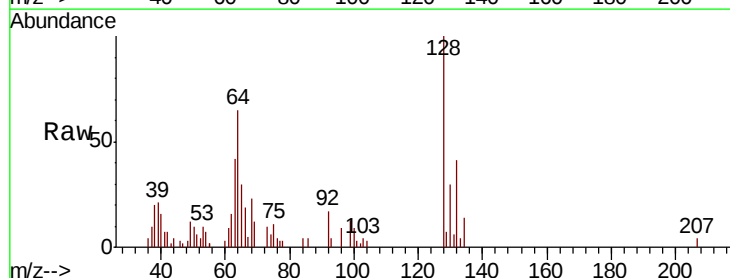
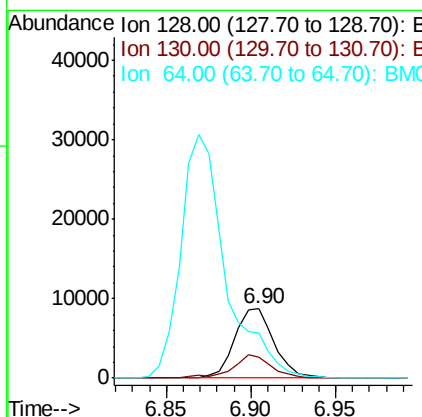
RT: 6.90 min Scan# 683

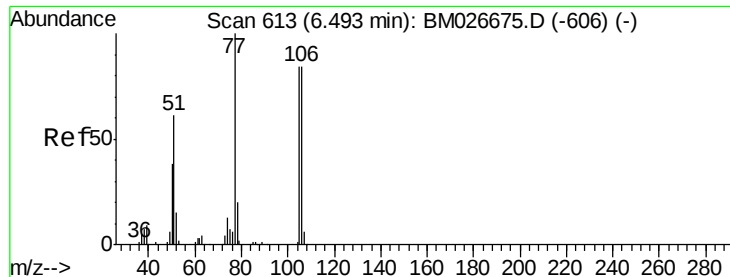
Delta R.T. 0.00 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	128	Resp:	14040
Ion Ratio	Lower	Upper	
128	100		
130	30.3	12.2	52.2
64	65.2	41.4	81.4





#9

Benzaldehyde

Concen: 5.659 ng

RT: 6.50 min Scan# 614

Delta R.T. 0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

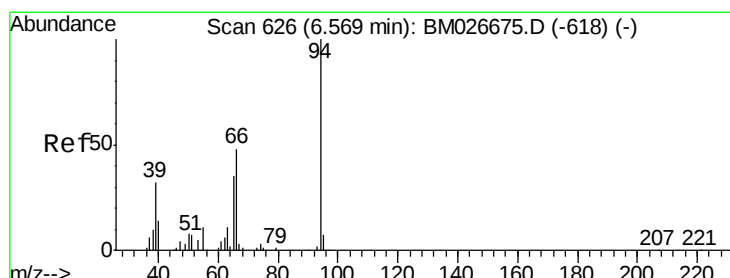
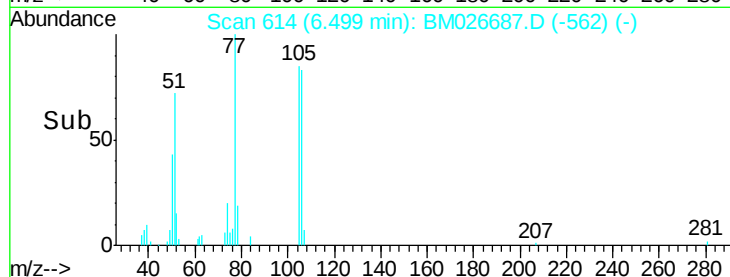
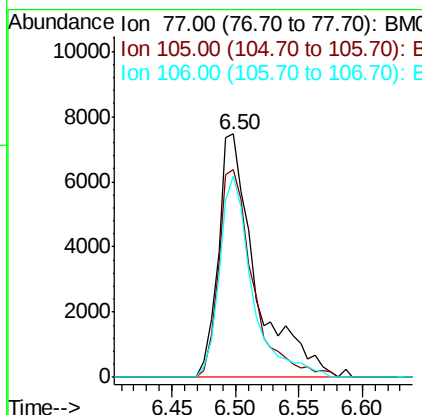
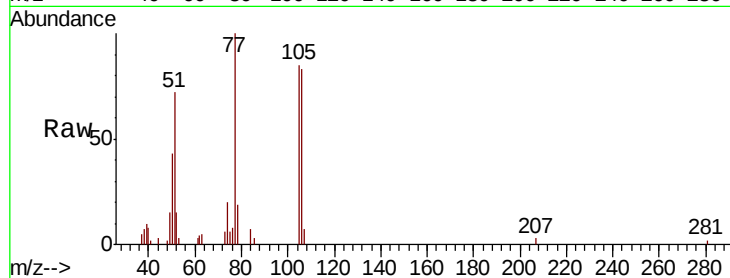
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	15463
Ion	Ratio	Lower	Upper
77	100		
105	85.2	64.4	104.4
106	82.5	64.3	104.3

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#10

Phenol

Concen: 3.523 ng

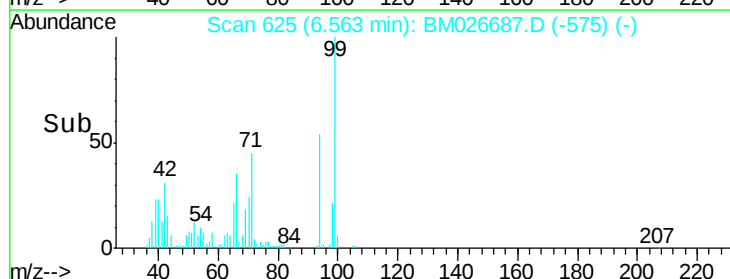
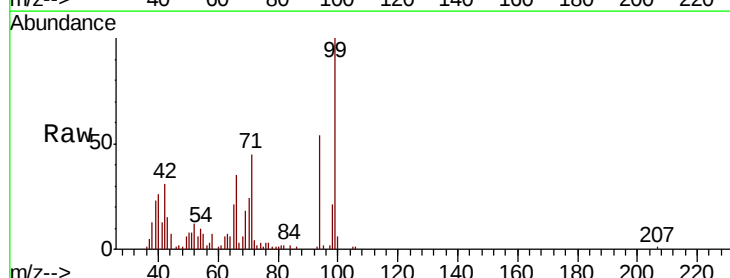
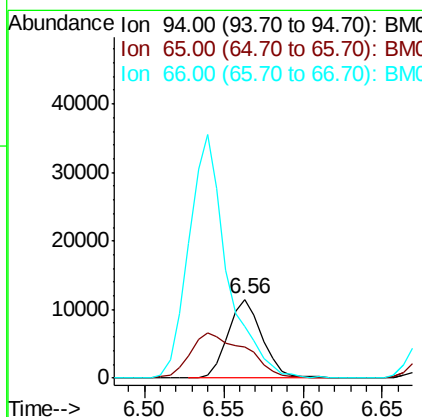
RT: 6.56 min Scan# 625

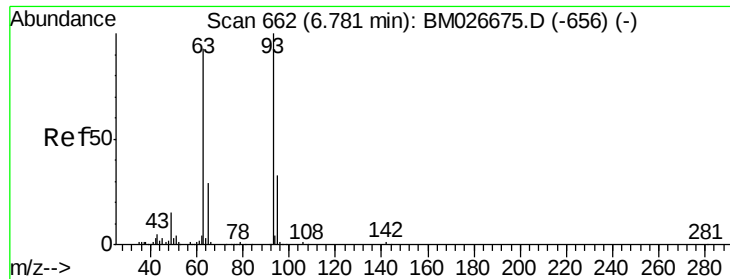
Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	94	Resp:	17141
Ion	Ratio	Lower	Upper
94	100		
65	39.0	15.5	55.5
66	65.7	29.8	69.8





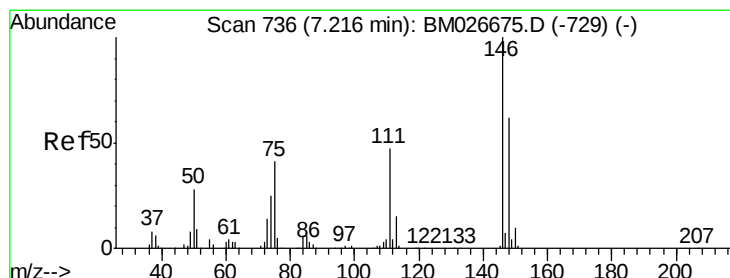
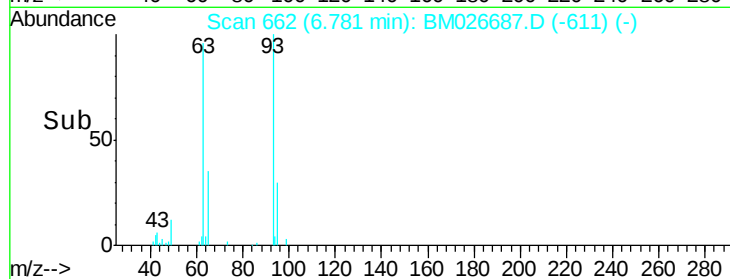
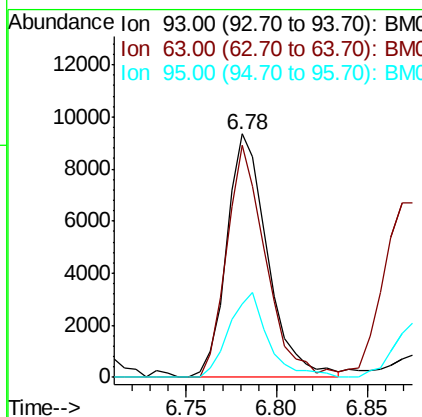
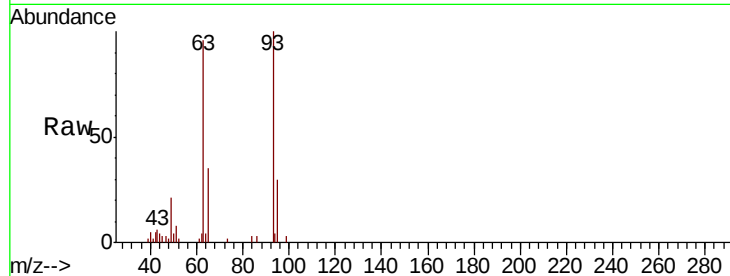
#11
bis(2-Chloroethyl)ether
Concen: 3.599 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	93	Resp:	14644
Ion	Ratio	Lower	Upper
93	100		
63	95.5	72.6	112.6
95	29.9	12.3	52.3

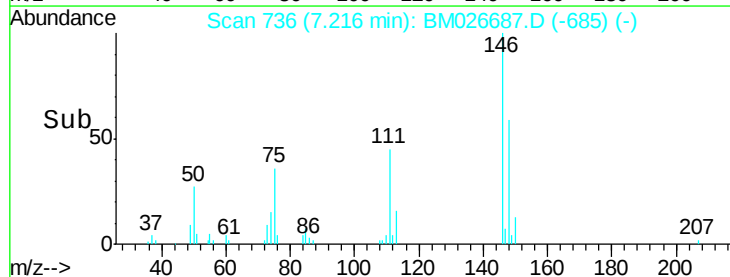
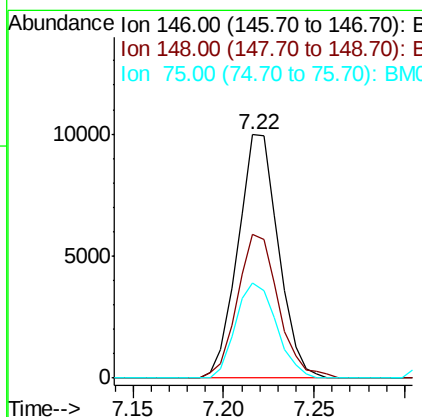
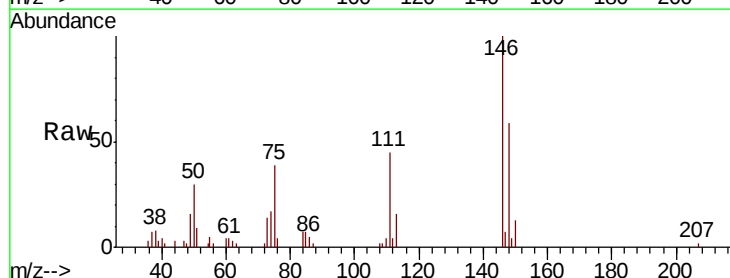
Manual Integrations
APPROVED

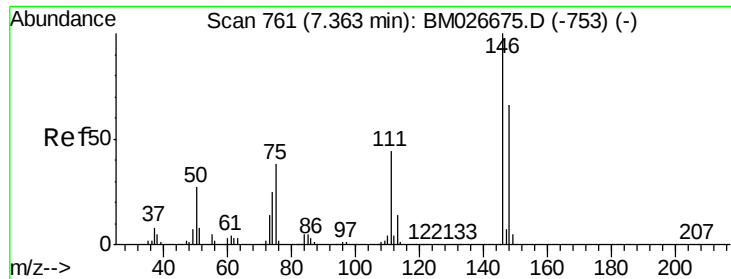
mohammad
7/9/2020 10:56:38 AM



#12
1,3-Dichlorobenzene
Concen: 3.872 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion:	146	Resp:	15492
Ion	Ratio	Lower	Upper
146	100		
148	59.0	49.7	74.5
75	39.3	32.7	49.1





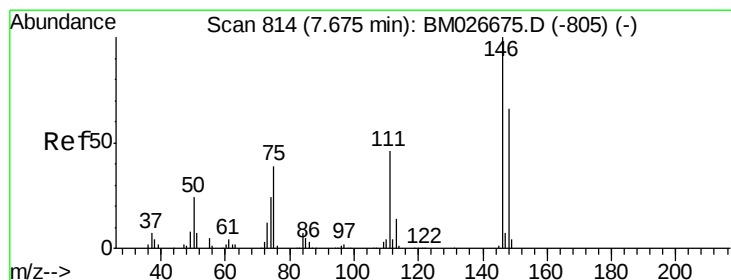
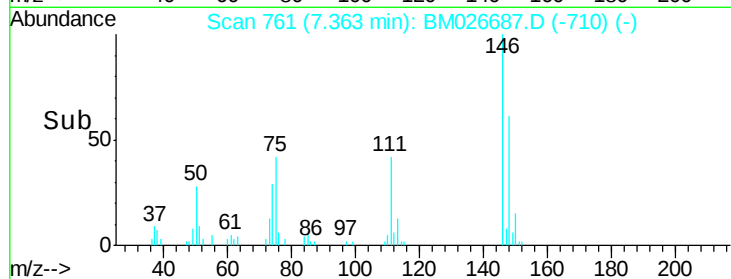
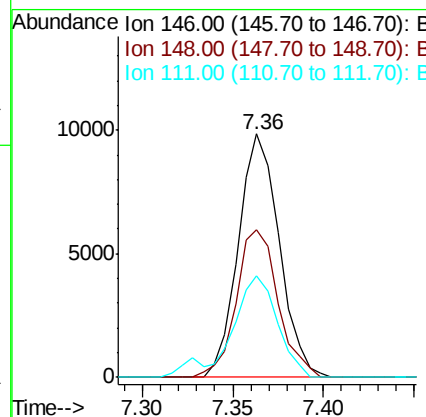
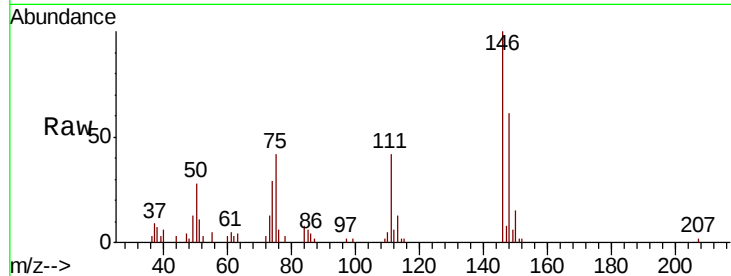
#13
 1,4-Dichlorobenzene
 Concen: 3.795 ng
 RT: 7.36 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	60.8	52.4	78.6
111	41.7	35.6	53.4

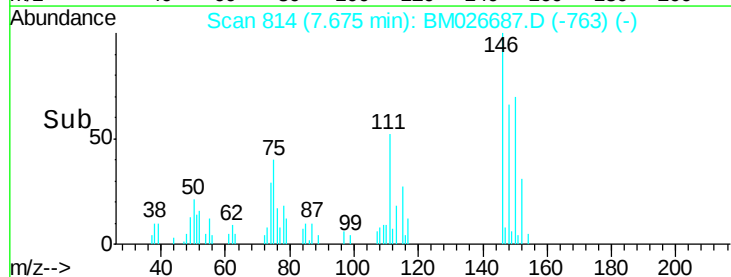
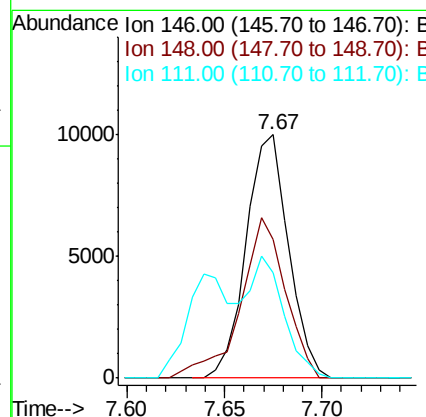
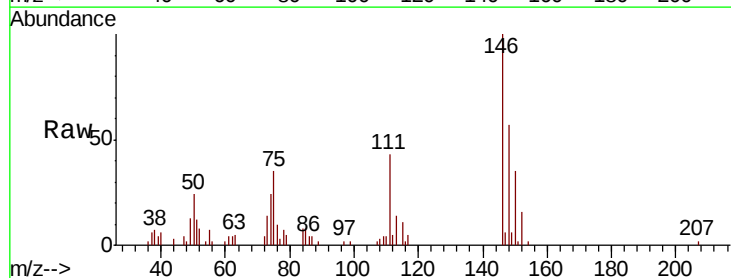
Manual Integrations
 APPROVED

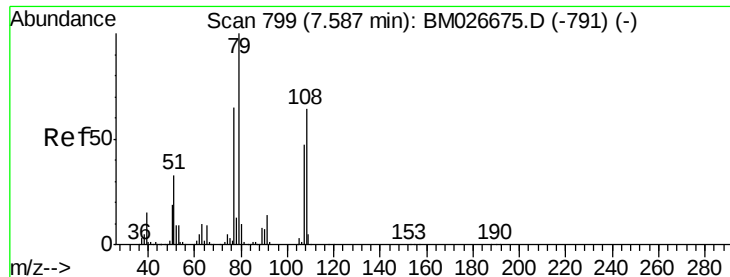
mohammad
 7/9/2020 10:56:38 AM



#14
 1,2-Dichlorobenzene
 Concen: 3.703 ng
 RT: 7.67 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	57.2	52.6	78.8
111	43.0	37.2	55.8





#15

Benzyl Alcohol

Concen: 2.782 ng

RT: 7.59 min Scan# 800

Delta R.T. 0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

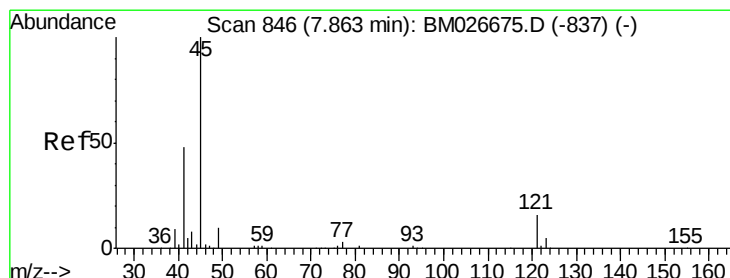
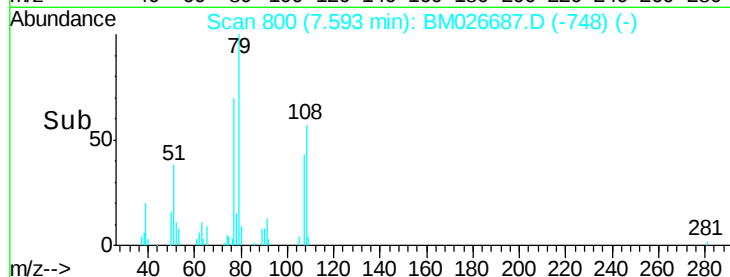
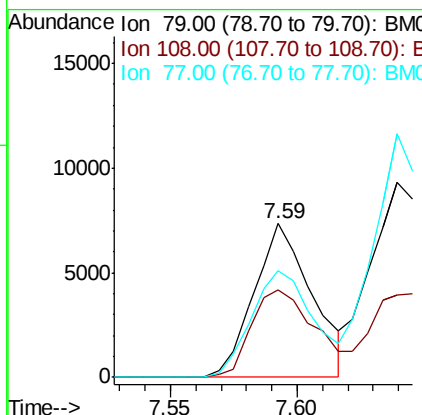
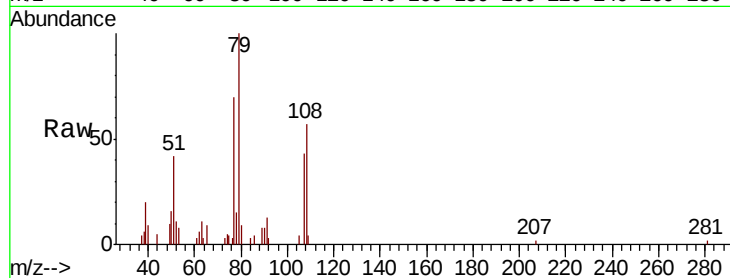
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	11721
Ion Ratio	Lower	Upper	
79	100		
108	56.9	51.0	76.4
77	69.5	52.1	78.1

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.677 ng

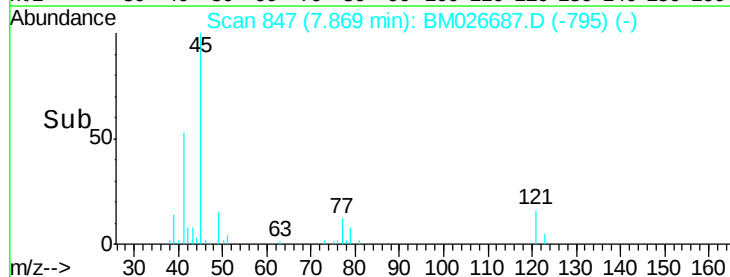
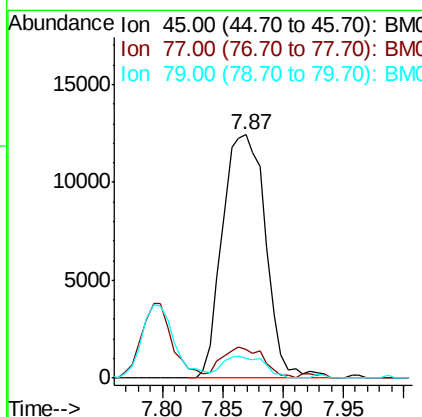
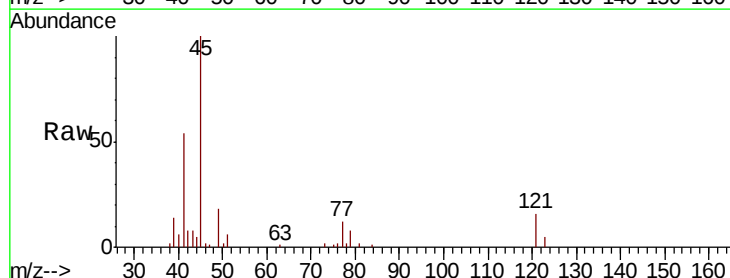
RT: 7.87 min Scan# 847

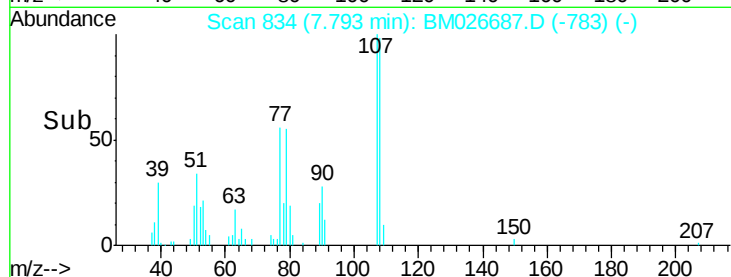
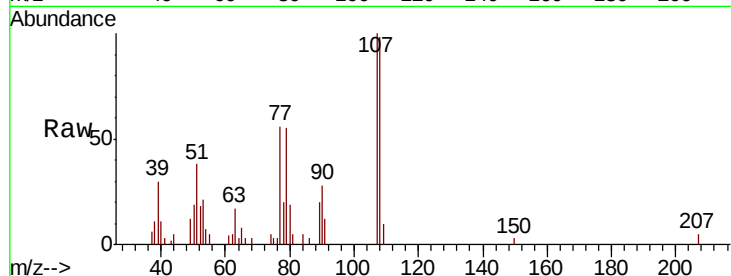
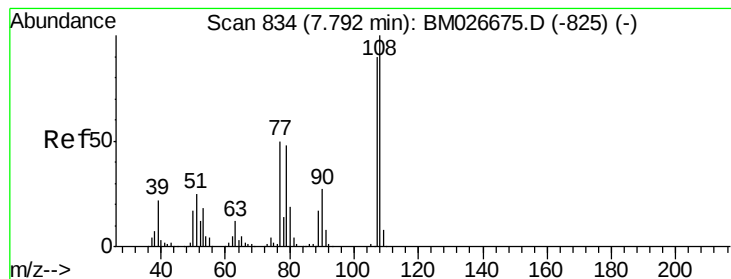
Delta R.T. 0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	45	Resp:	30880
Ion Ratio	Lower	Upper	
45	100		
77	11.5	0.0	31.4
79	8.1	0.0	28.4





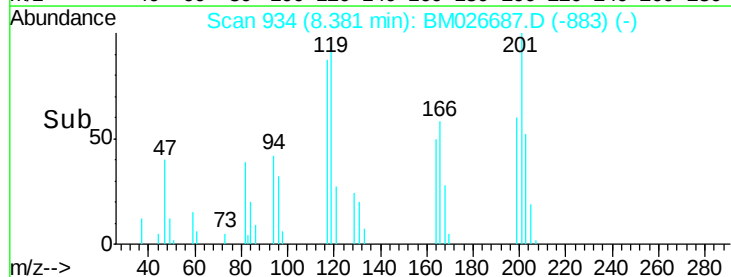
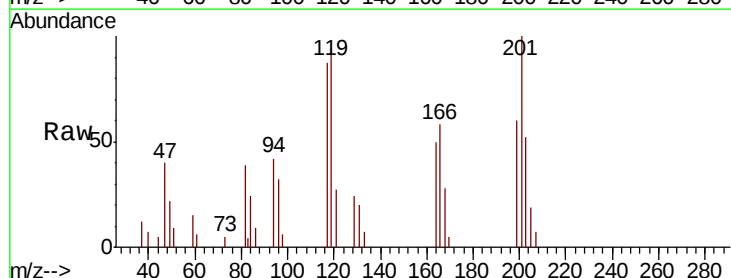
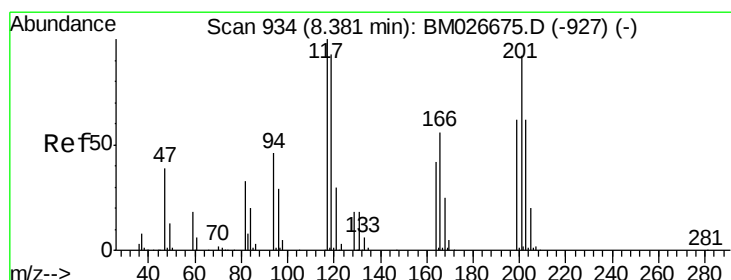
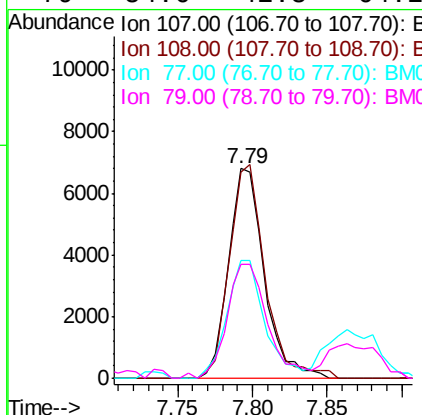
#17
2-Methylphenol
Concen: 3.086 ng
RT: 7.79 min Scan# 834
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tot Ion	107	Resp	11411
Ion Ratio	Lower	Upper	
107	100		
108	98.2	89.4	134.0
77	56.0	45.2	67.8
79	54.6	42.8	64.2

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

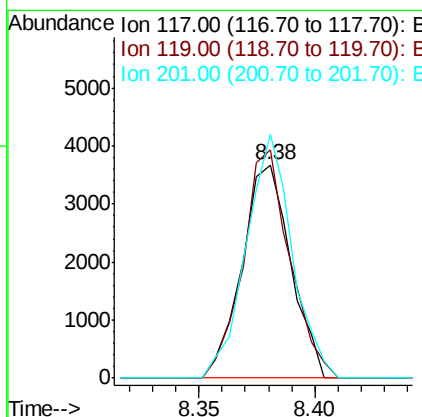
Manual Integrations
APPROVED

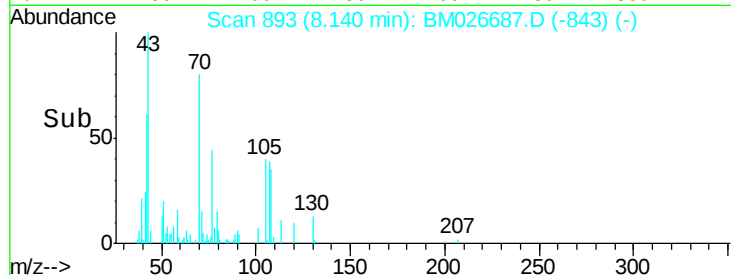
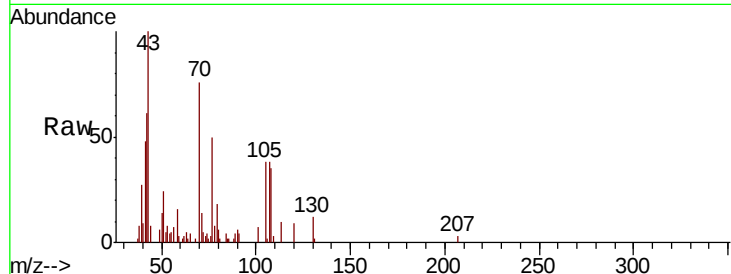
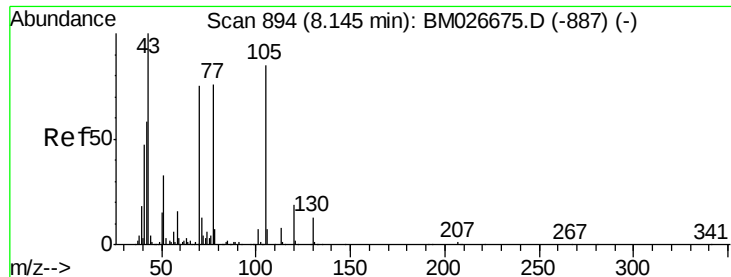
mohammad
7/9/2020 10:56:38 AM



#18
Hexachloroethane
Concen: 3.346 ng
RT: 8.38 min Scan# 934
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	117	Resp	5412
Ion Ratio	Lower	Upper	
117	100		
119	107.1	74.2	111.2
201	114.4	73.6	110.4#





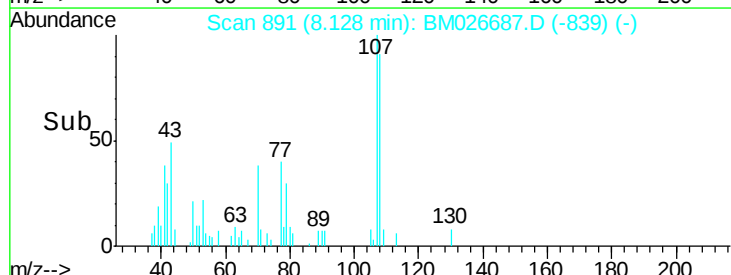
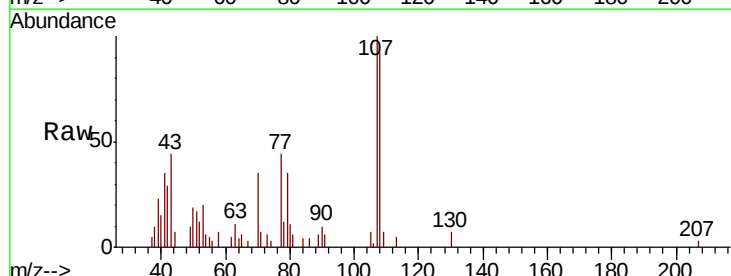
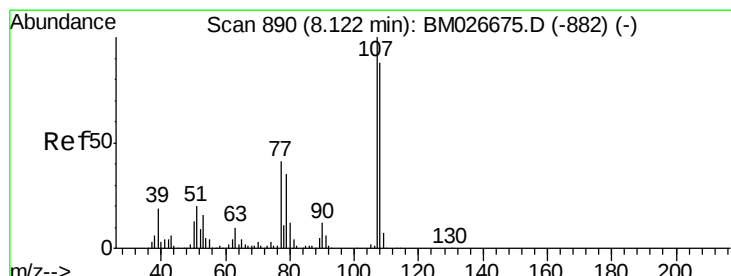
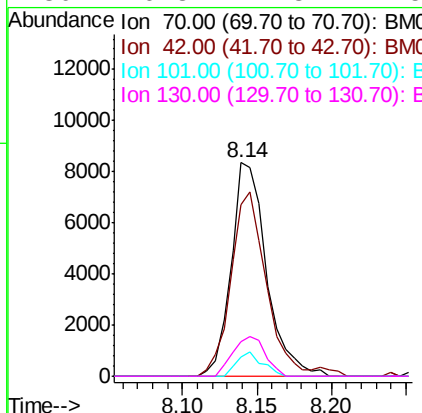
#19
n-Nitroso-di-n-propylamine
Concen: 3.378 ng
RT: 8.14 min Scan# 893
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	80.1	62.3	93.5	
101	9.3	7.1	10.7	
130	16.3	14.3	21.5	

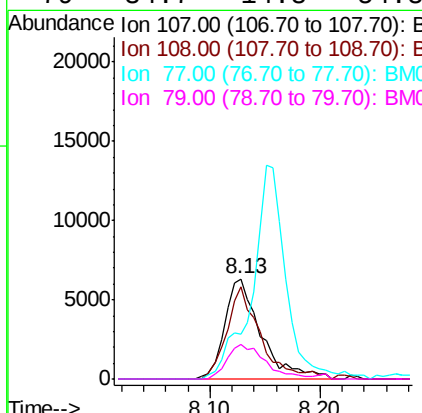
Manual Integrations
APPROVED

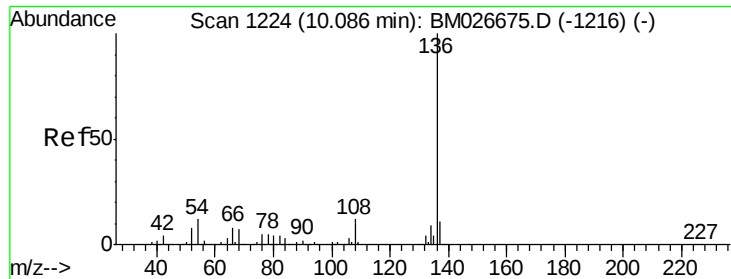
mohammad
7/9/2020 10:56:38 AM



#20
3+4-Methylphenols
Concen: 2.869 ng
RT: 8.13 min Scan# 891
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.3	68.5	108.5	
77	44.4	20.8	60.8	
79	34.7	14.8	54.8	





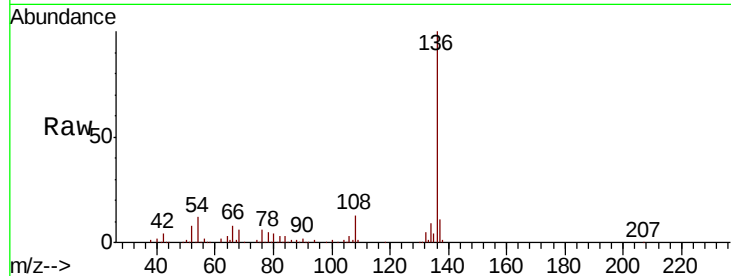
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.09 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

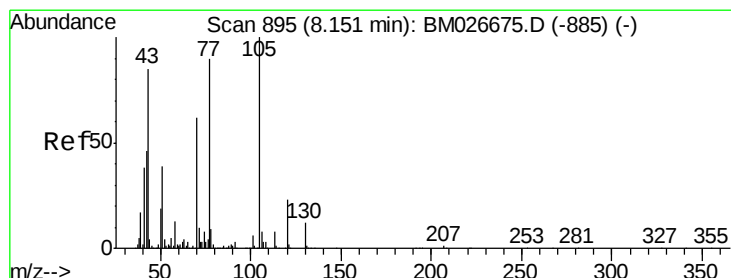
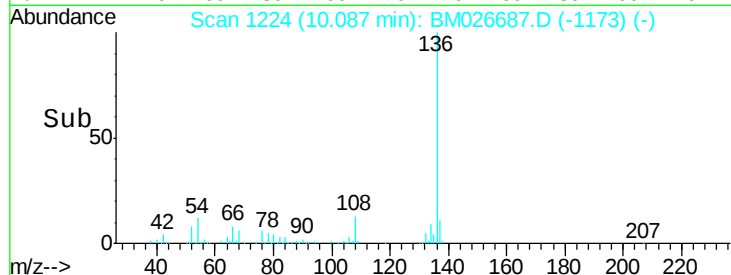
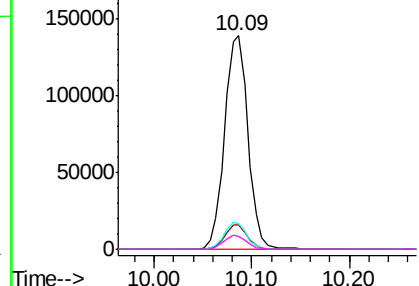
Tot Ion	Ratio	Resp	Lower	Upper
136	100	230106		
137	11.2	8.6	12.8	
54	12.2	9.8	14.6	
68	6.3	5.8	8.6	

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



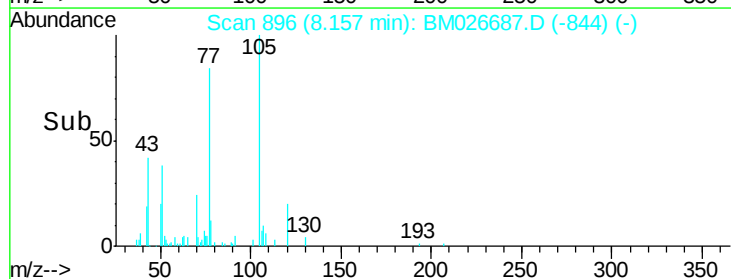
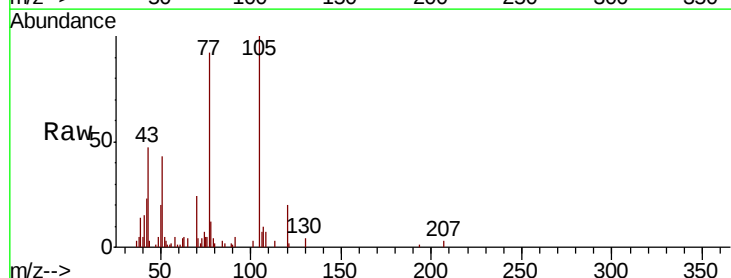
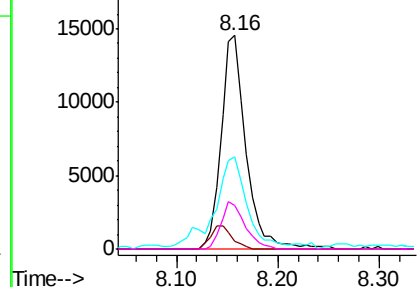
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

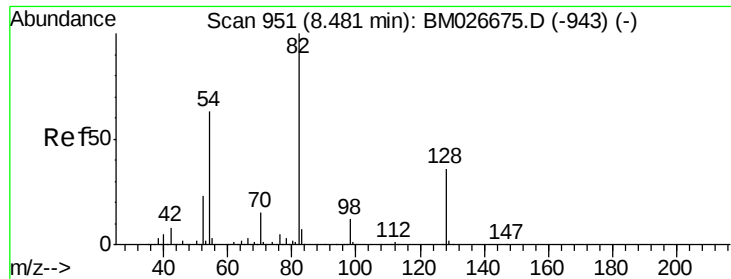


#22
Acetophenone
Concen: 3.766 ng
RT: 8.16 min Scan# 896
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	24624		
71	3.6	8.1	12.1#	
51	43.1	31.9	47.9	
120	20.1	18.0	27.0	

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM0
Ion 51.00 (50.70 to 51.70): BM0
Ion 120.00 (119.70 to 120.70): E





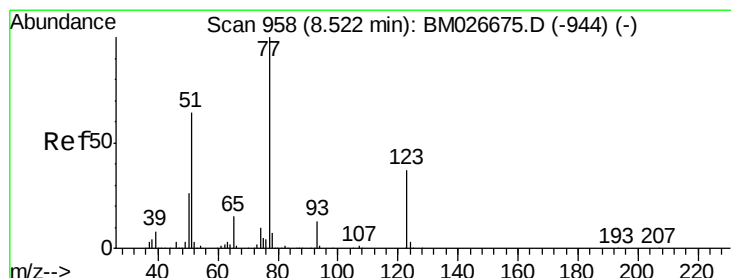
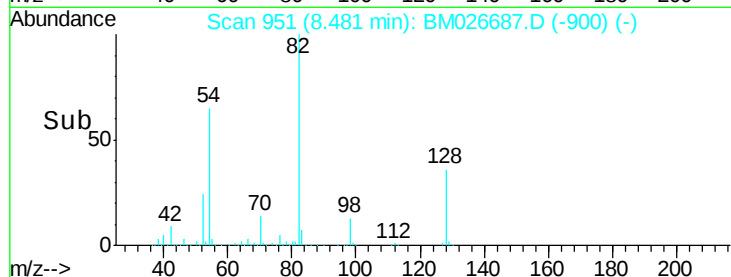
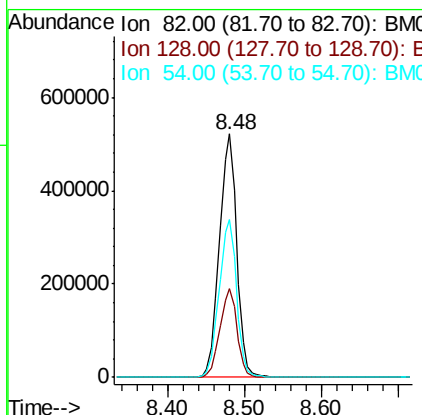
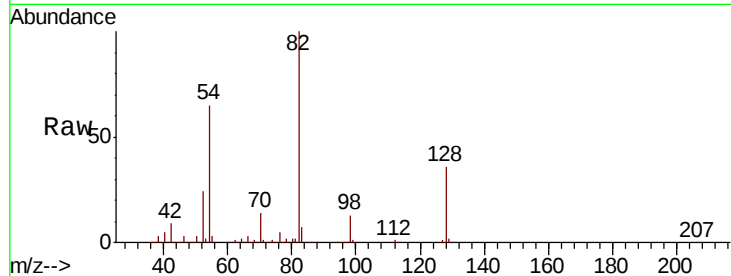
#23
 Nitrobenzene-d5
 Concen: 150.667 ng
 RT: 8.48 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.4	29.1	43.7	
54	65.0	50.2	75.4	

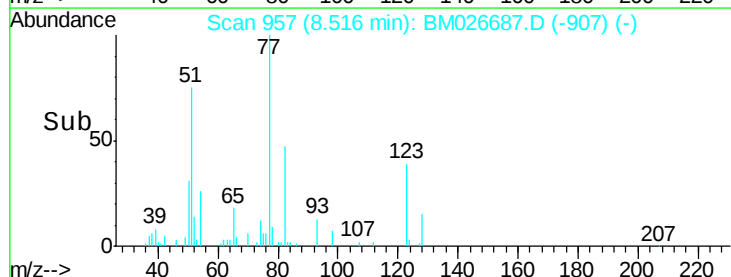
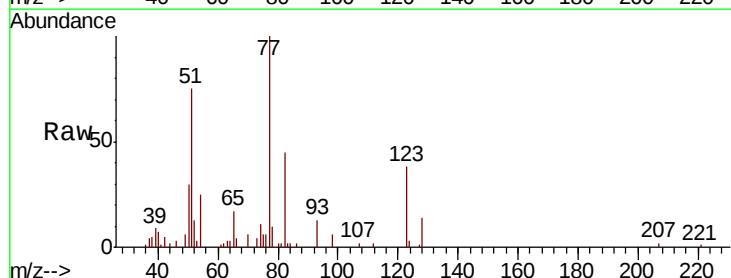
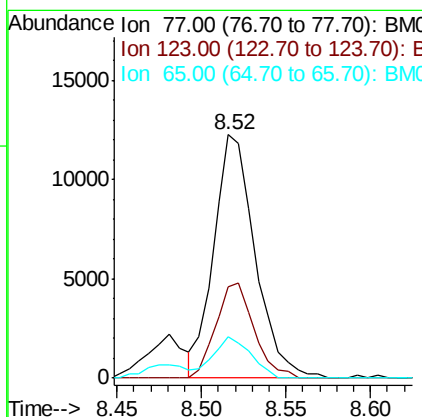
Manual Integrations
 APPROVED

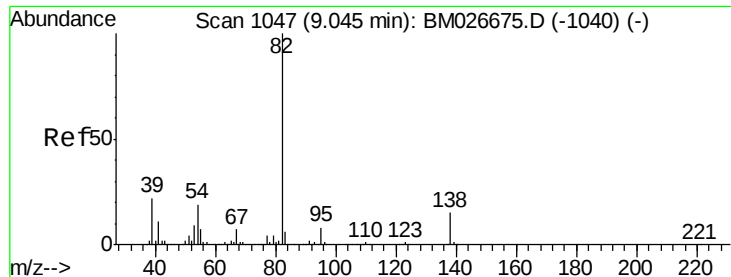
mohammad
 7/9/2020 10:56:38 AM



#24
 Nitrobenzene
 Concen: 3.678 ng
 RT: 8.52 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	37.6	29.8	44.6	
65	17.1	12.2	18.4	





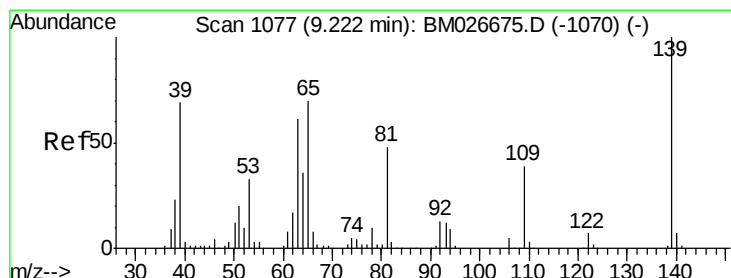
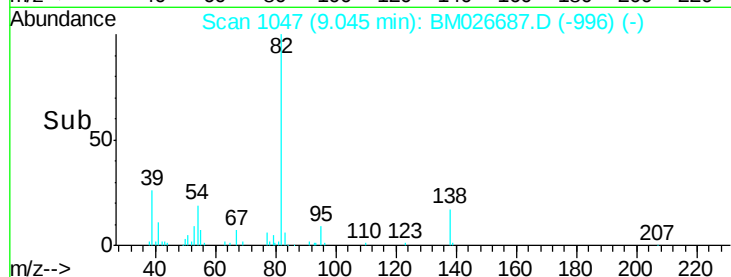
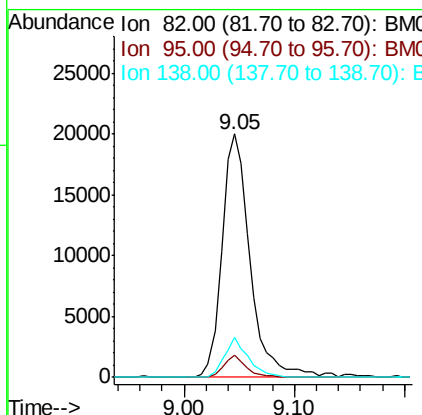
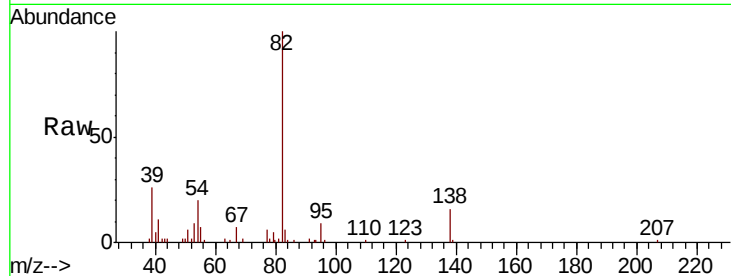
#25
Isophorone
Concen: 3.445 ng
RT: 9.05 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	82	Resp	35634
Ion Ratio	100	Lower	Upper
82	100		
95	9.0	6.3	9.5
138	16.5	12.0	18.0

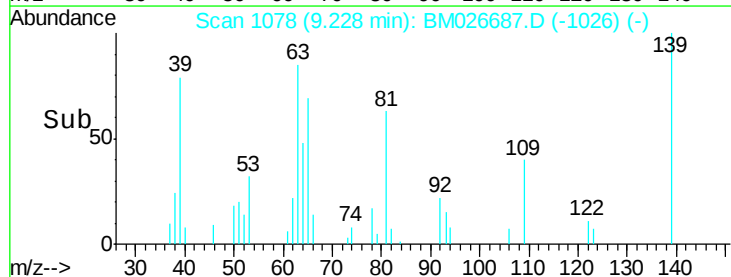
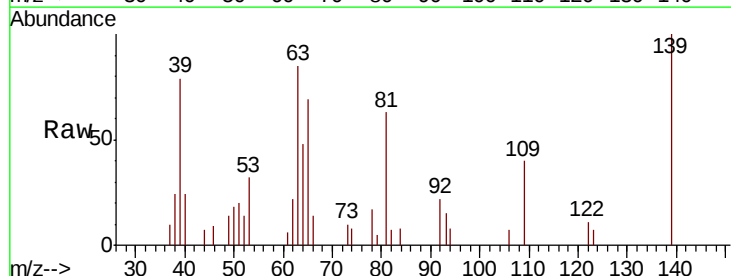
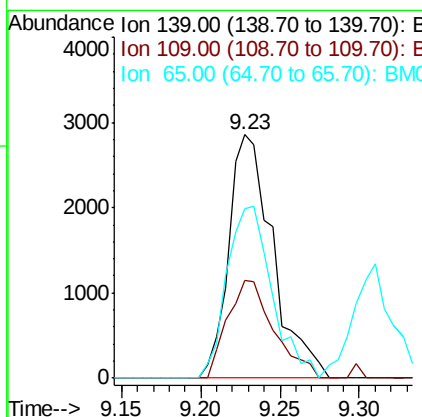
Manual Integrations
APPROVED

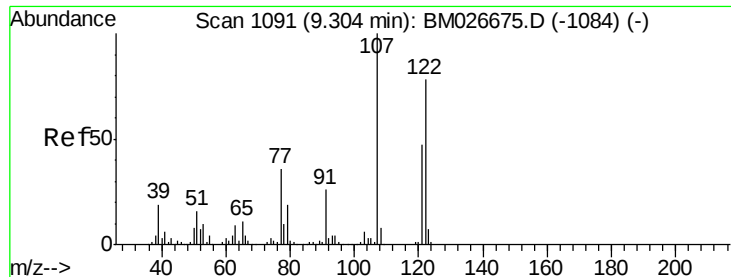
mohammad
7/9/2020 10:56:38 AM



#26
2-Nitrophenol
Concen: 2.632 ng
RT: 9.23 min Scan# 1078
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	139	Resp	5513
Ion Ratio	100	Lower	Upper
139	100		
109	40.1	30.8	46.2
65	69.4	56.2	84.4





#27

2,4-Dimethylphenol

Concen: 3.566 ng

RT: 9.31 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

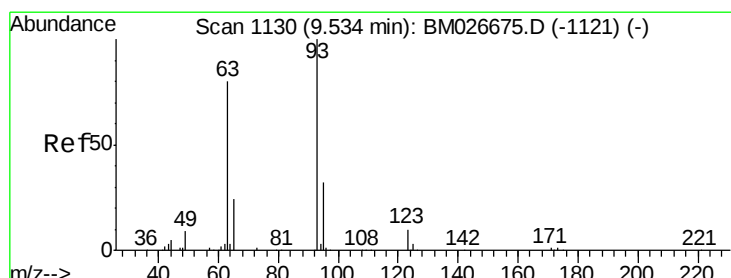
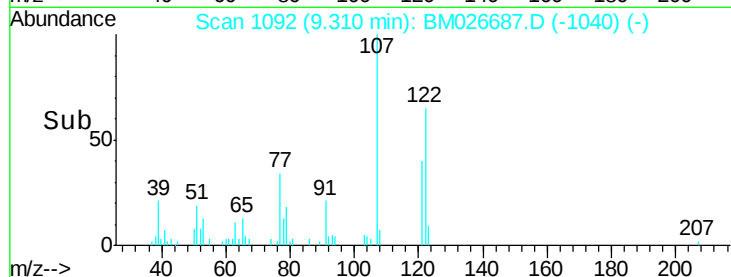
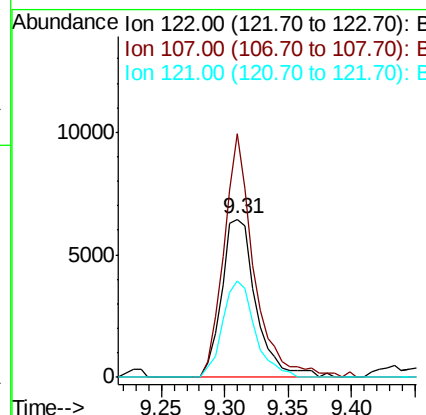
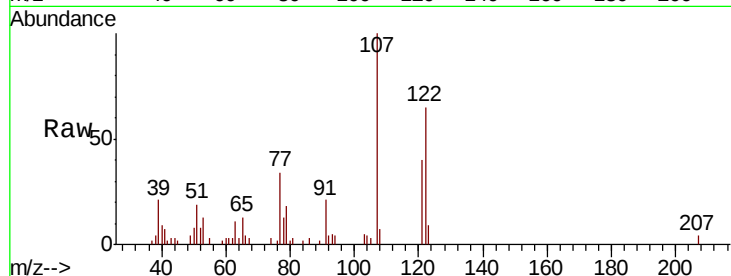
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	154.0	102.1	153.1#
121	61.4	48.2	72.2

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#28

bis(2-Chloroethoxy)methane

Concen: 3.494 ng

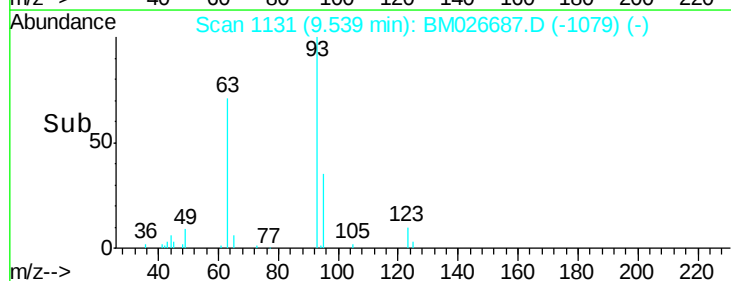
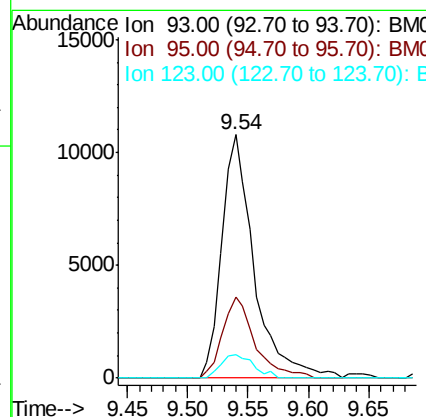
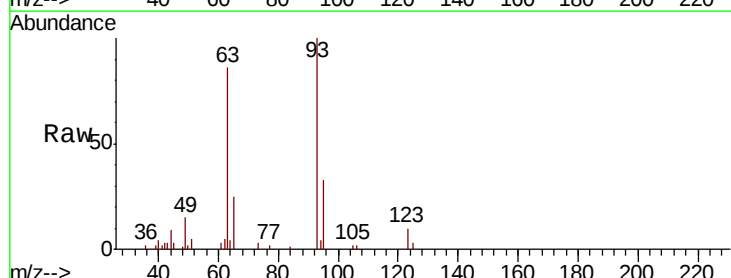
RT: 9.54 min Scan# 1131

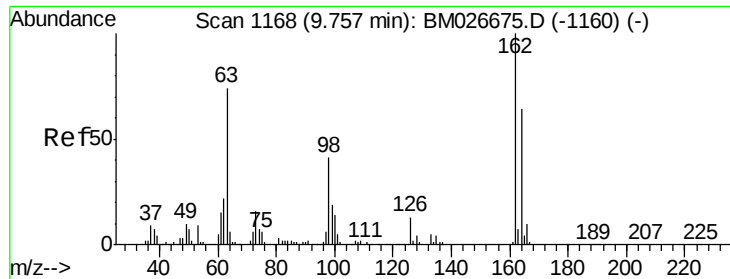
Delta R.T. 0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.7	38.5
123	9.7	8.7	13.1





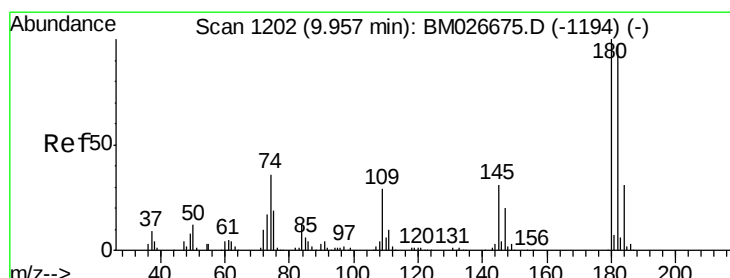
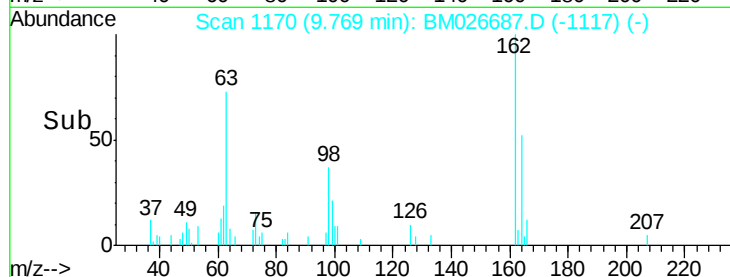
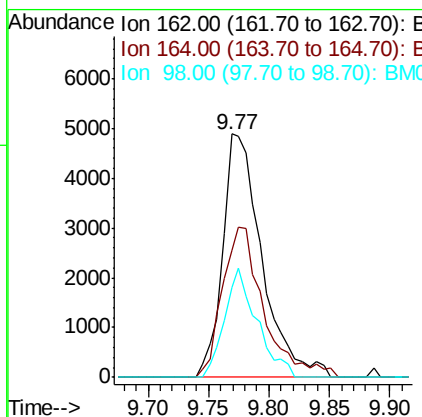
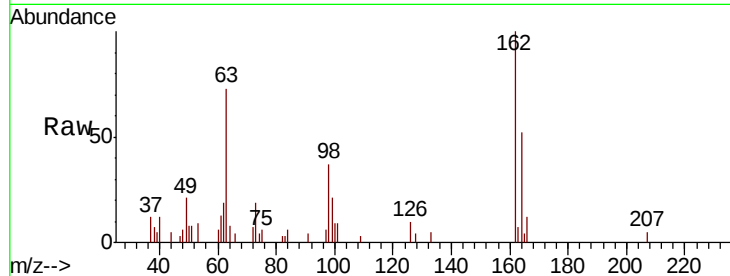
#29
2,4-Dichlorophenol
Concen: 2.943 ng
RT: 9.77 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	52.1	44.3	84.3
98	37.0	21.0	61.0

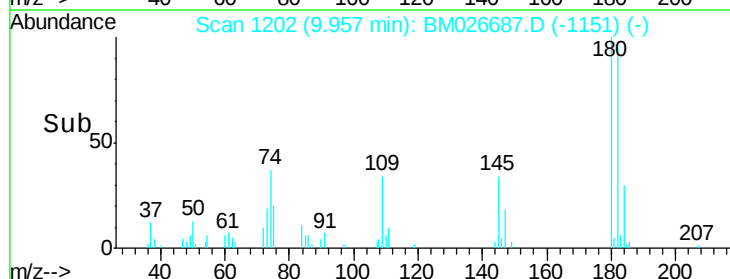
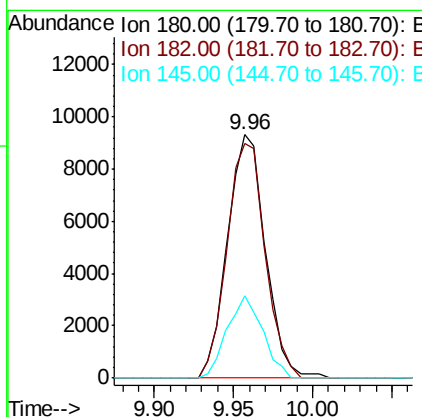
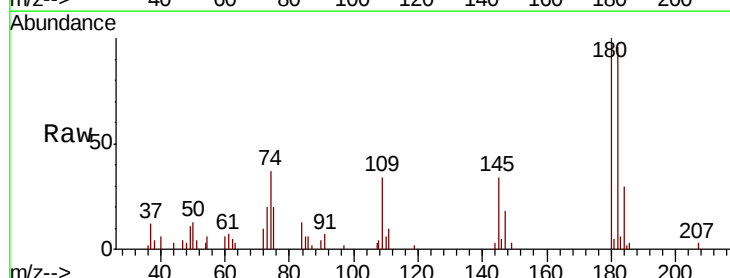
Manual Integrations
APPROVED

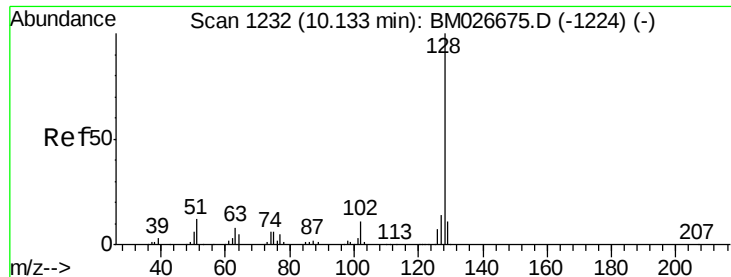
mohammad
7/9/2020 10:56:38 AM



#30
1,2,4-Trichlorobenzene
Concen: 3.691 ng
RT: 9.96 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.8	116.6
145	33.9	25.0	37.6





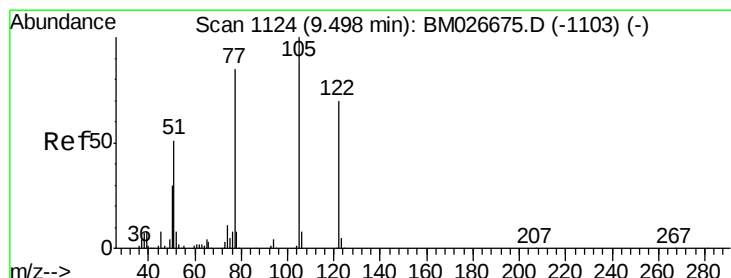
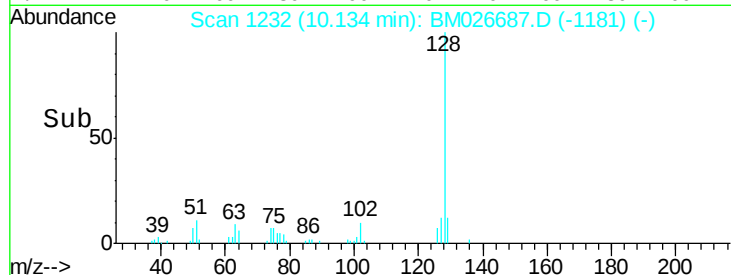
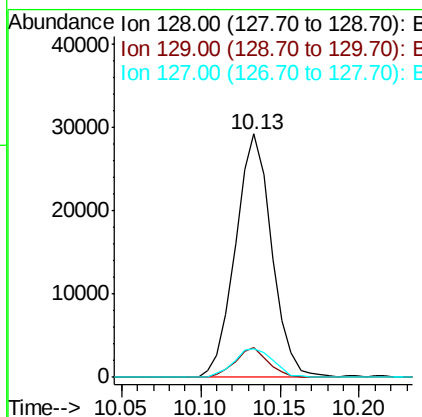
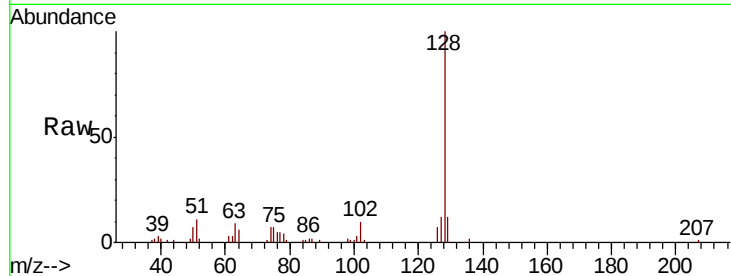
#31
Naphthalene
Concen: 3.622 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.8	13.2
127	11.9	10.8	16.2

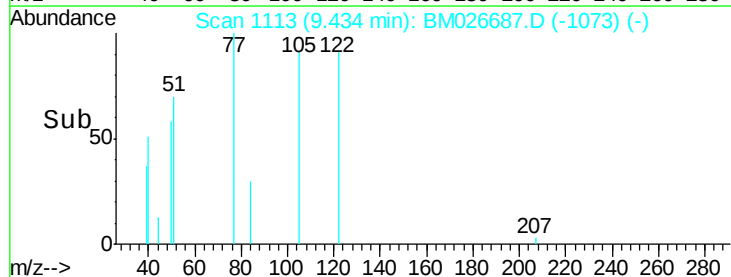
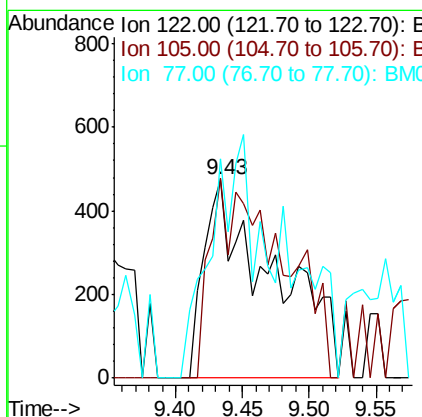
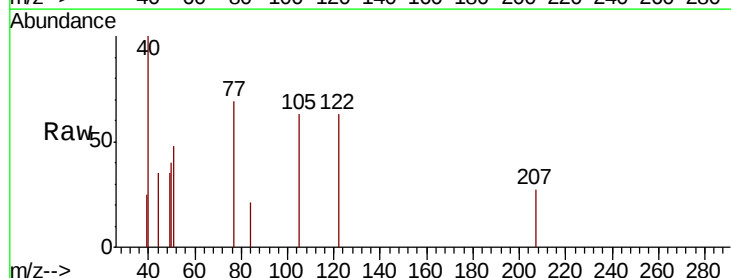
Manual Integrations
APPROVED

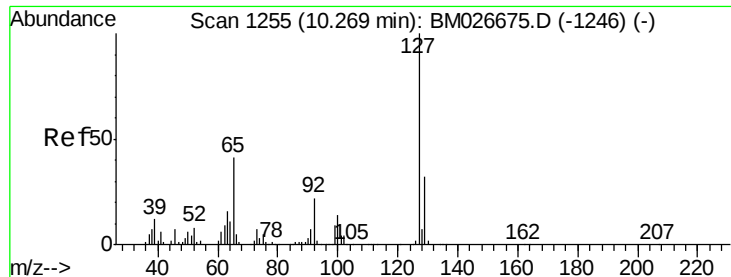
mohammad
7/9/2020 10:56:38 AM



#32
Benzoic acid
Concen: 0.663 ng m
RT: 9.43 min Scan# 1113
Delta R.T. -0.06 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
122	100		
105	100.6	120.9	160.9#
77	110.1	100.0	140.0





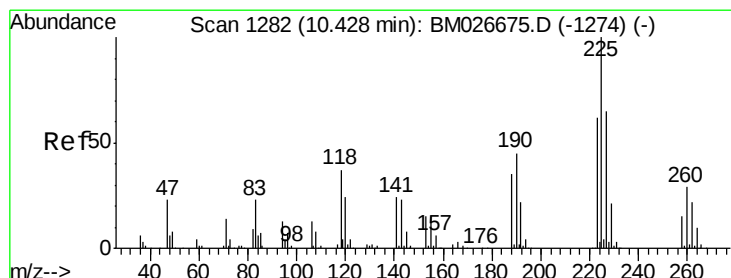
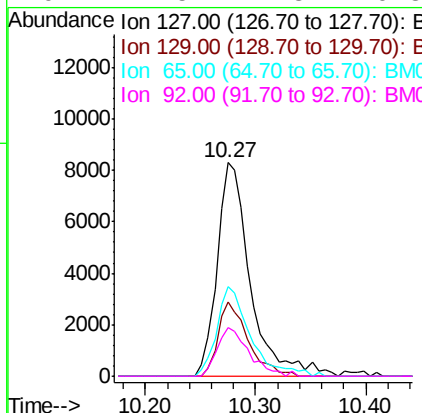
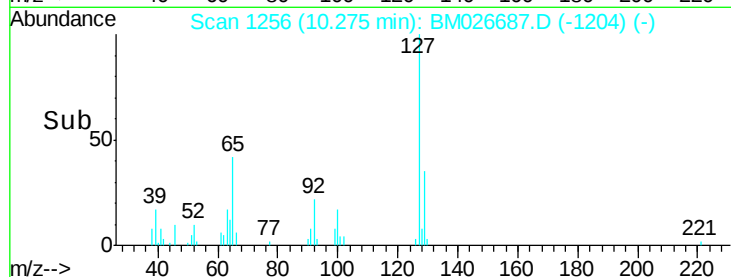
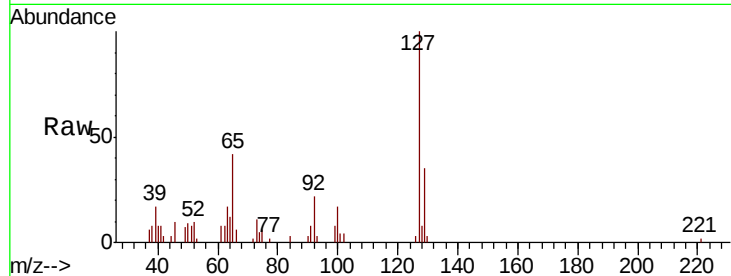
#33
4-Chloroaniline
Concen: 3.103 ng
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		17374		
129	34.8	25.8	38.6		
65	41.7	32.5	48.7		
92	22.5	17.8	26.8		

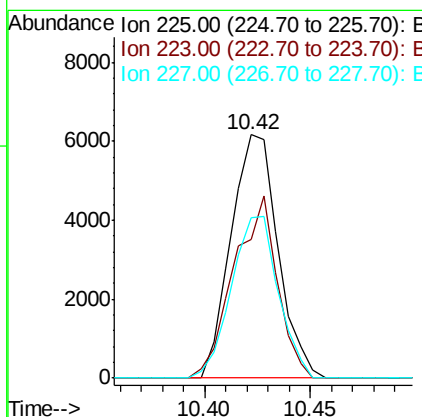
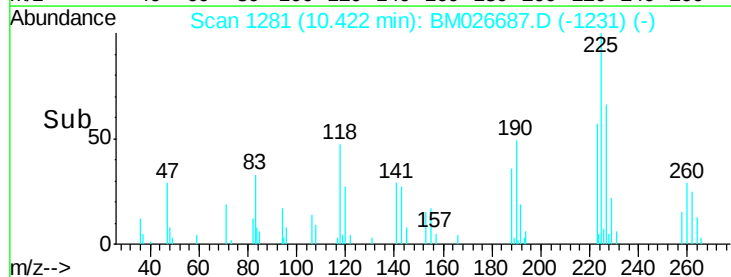
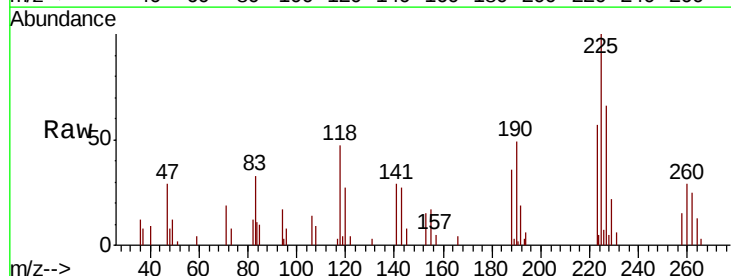
Manual Integrations
APPROVED

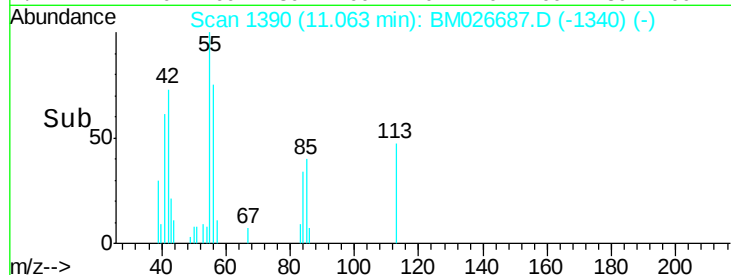
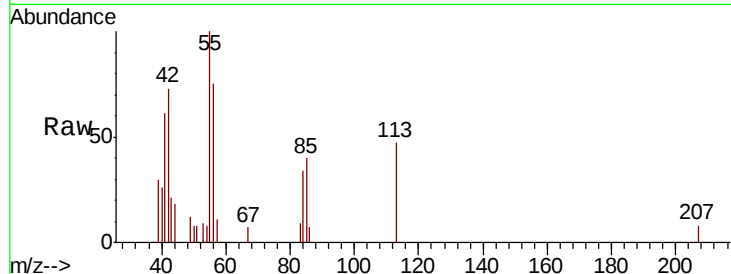
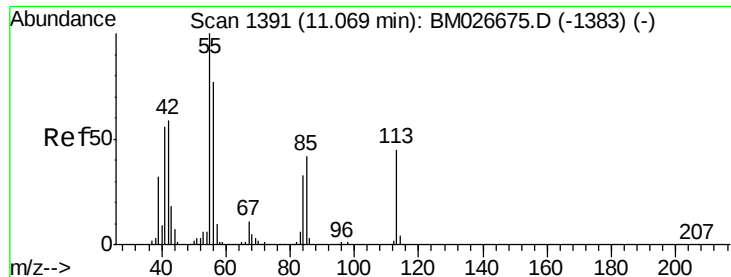
mohammad
7/9/2020 10:56:38 AM



#34
Hexachlorobutadiene
Concen: 3.436 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		9521		
223	56.8	49.8	74.8		
227	70.7	52.3	78.5		





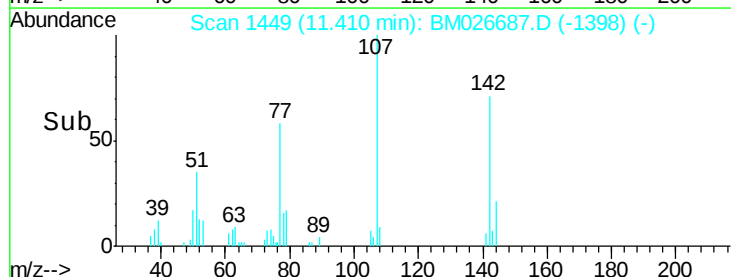
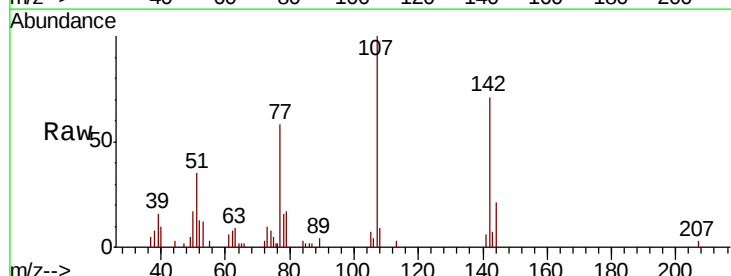
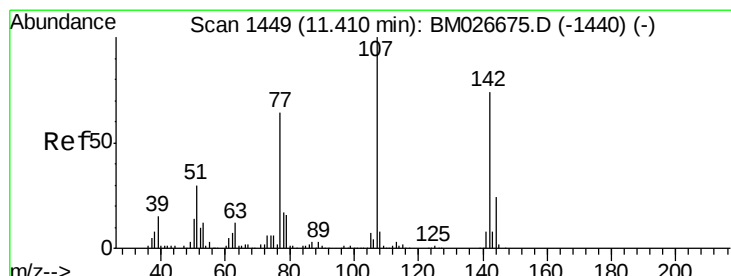
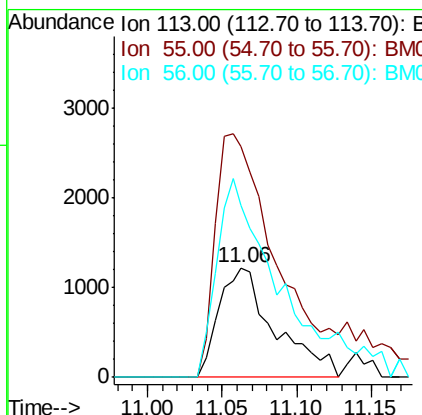
#35
Caprolactam
Concen: 2.394 ng
RT: 11.06 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tot Ion	Ratio	Lower	Upper
113	100		
55	211.0	203.5	243.5
56	157.8	151.6	191.6

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

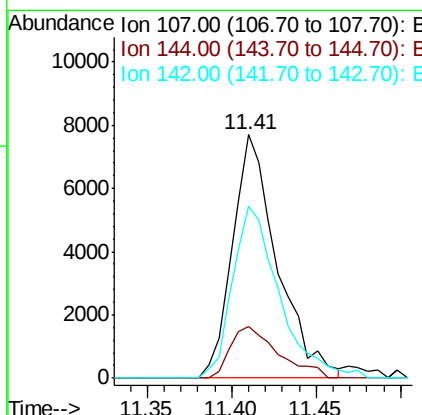
Manual Integrations
APPROVED

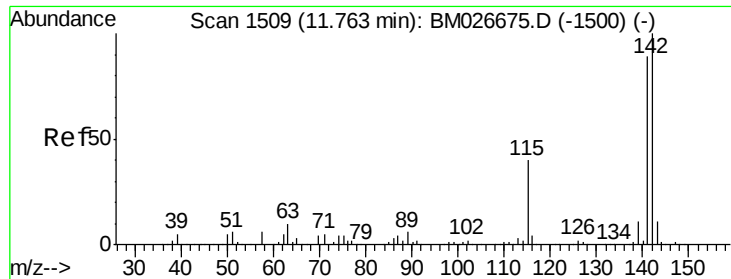
mohammad
7/9/2020 10:56:38 AM



#36
4-Chloro-3-methylphenol
Concen: 2.988 ng
RT: 11.41 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.1	18.9	28.3
142	70.7	59.0	88.4





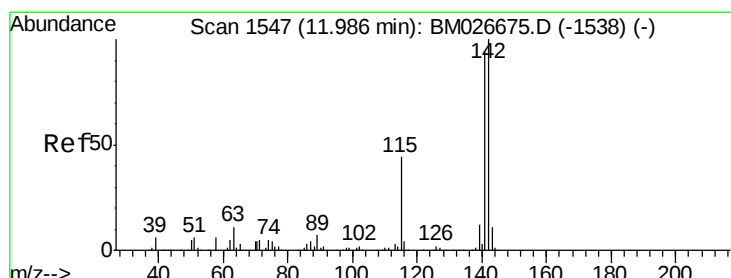
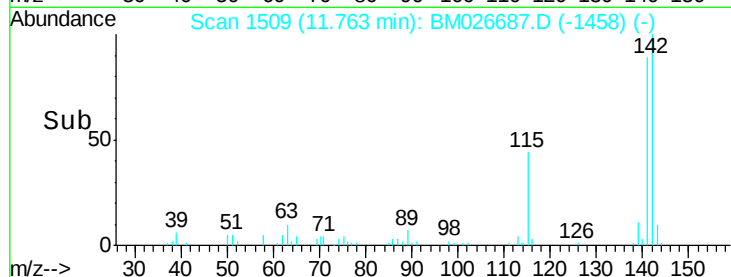
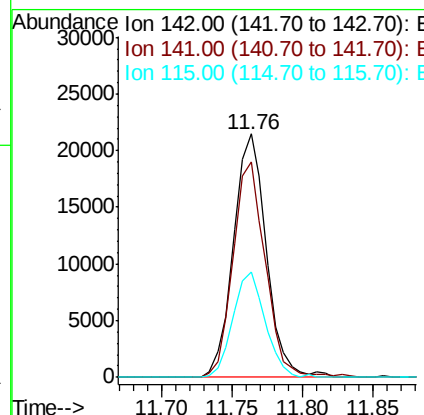
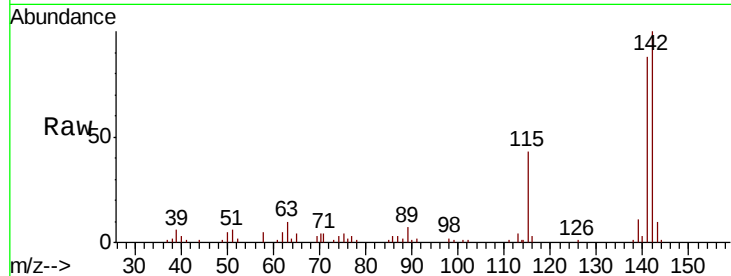
#37
2-Methylnaphthalene
Concen: 3.673 ng
RT: 11.76 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.4	107.0
115	43.1	32.1	48.1

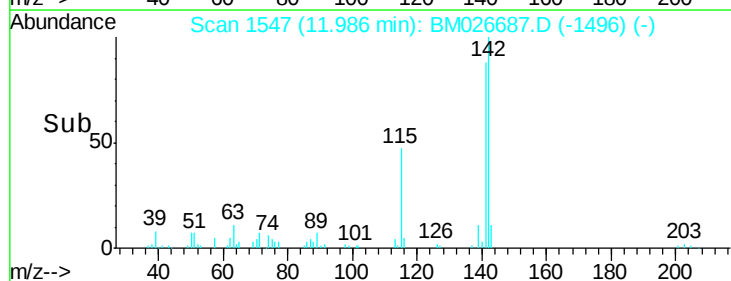
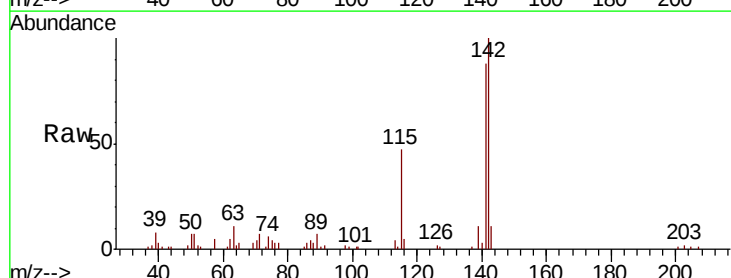
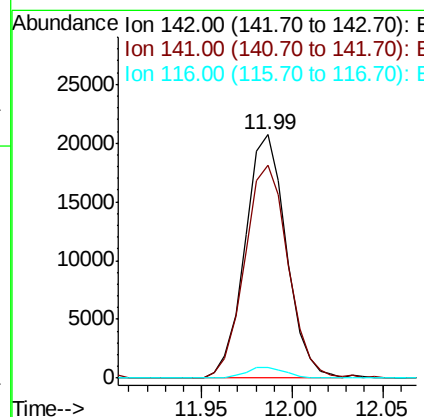
Manual Integrations
APPROVED

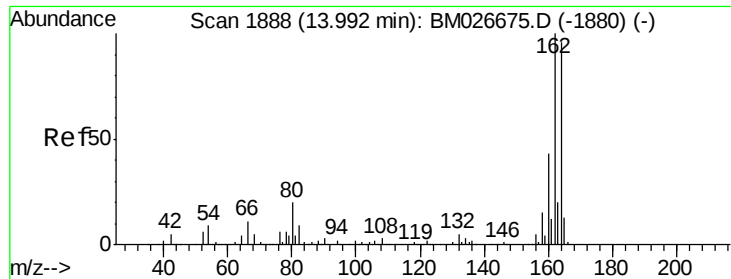
mohammad
7/9/2020 10:56:38 AM



#38
1-Methylnaphthalene
Concen: 3.606 ng
RT: 11.99 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	75.0	112.6
116	4.5	3.5	5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

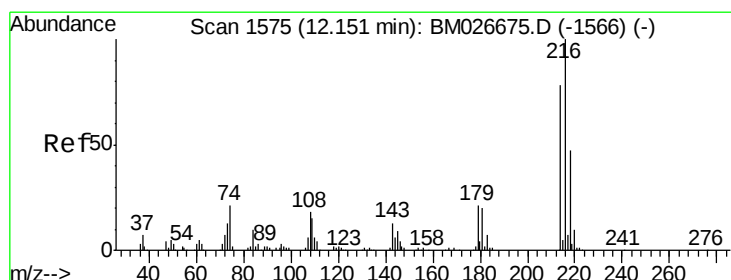
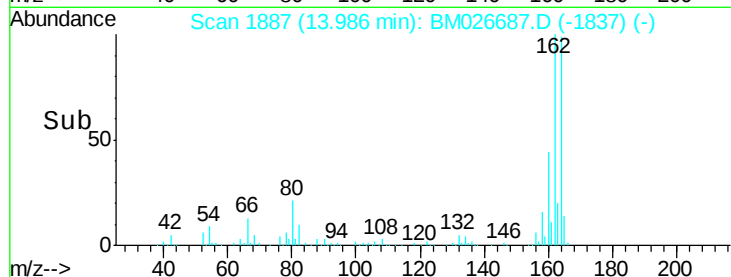
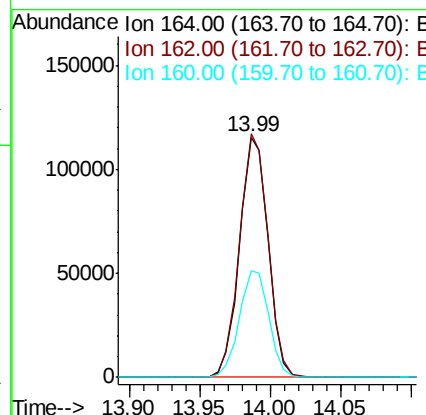
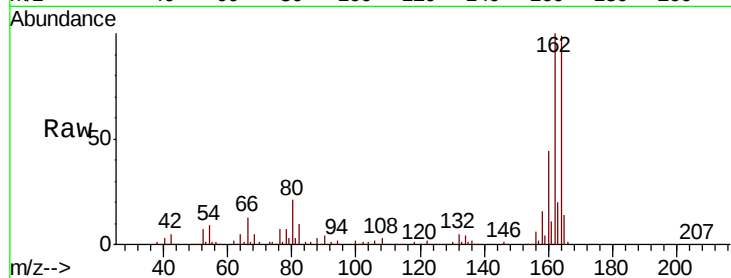
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	164	Resp:	162246
Ion Ratio	Lower	Upper	
164	100		
162	101.3	83.7	125.5
160	44.1	36.2	54.2

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.759 ng

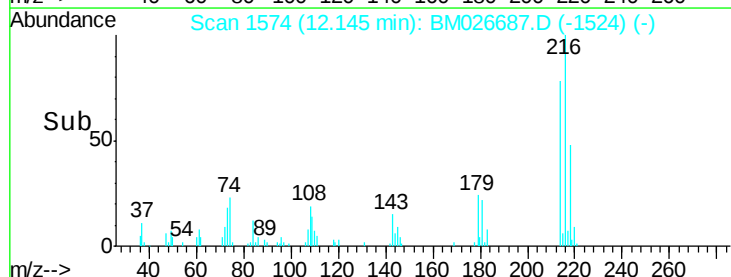
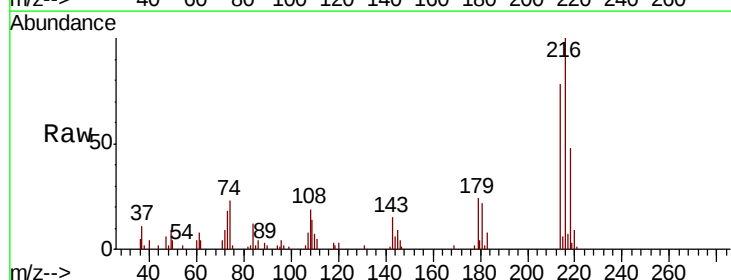
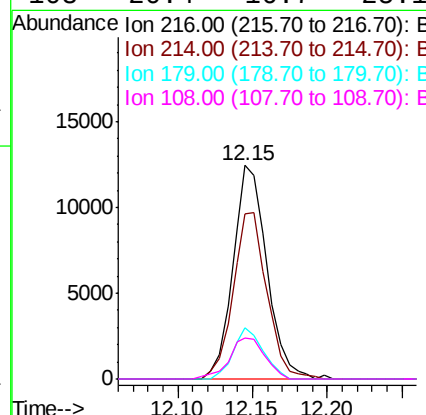
RT: 12.15 min Scan# 1574

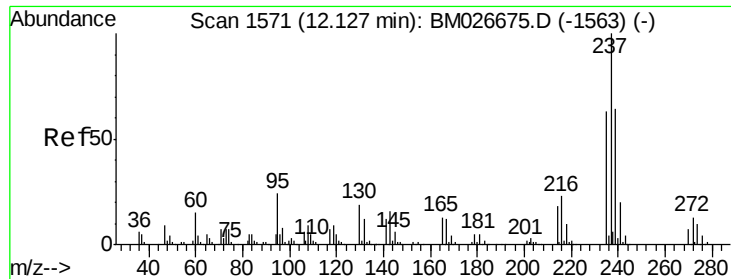
Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	216	Resp:	19714
Ion Ratio	Lower	Upper	
216	100		
214	77.8	62.6	93.8
179	21.2	17.5	26.3
108	20.4	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 1.616 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

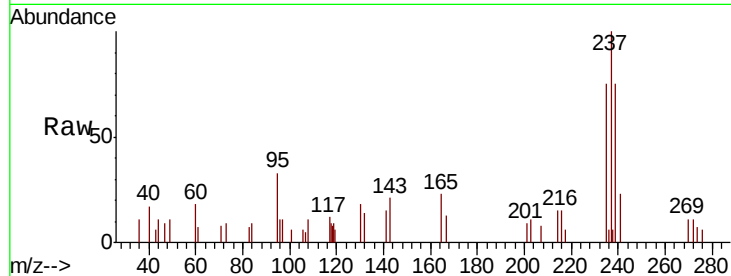
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

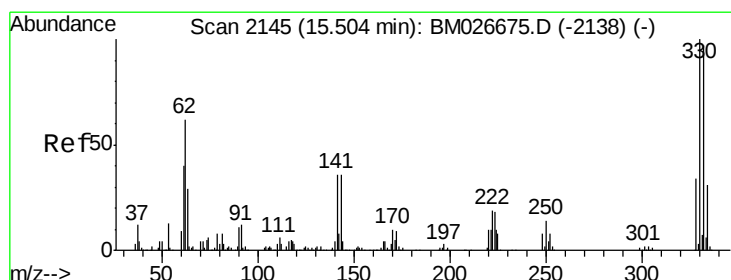
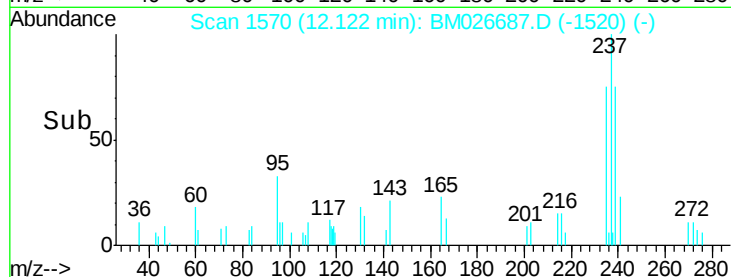
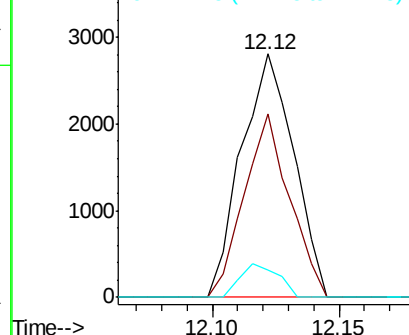
Tot Ion:	237	Resp:	4044
Ion Ratio	Lower	Upper	
237	100		
235	75.2	42.8	82.8
272	11.4	0.0	32.8

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



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: 178.413 ng

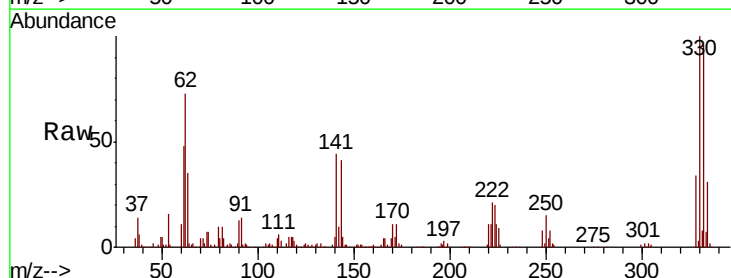
RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

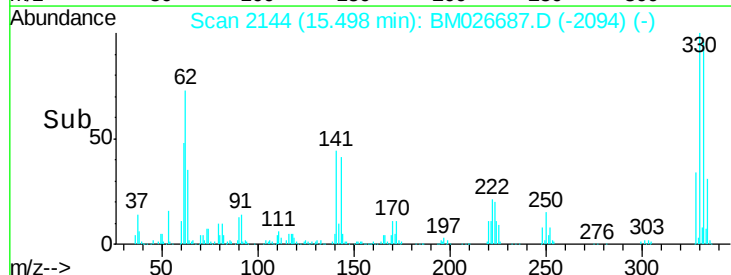
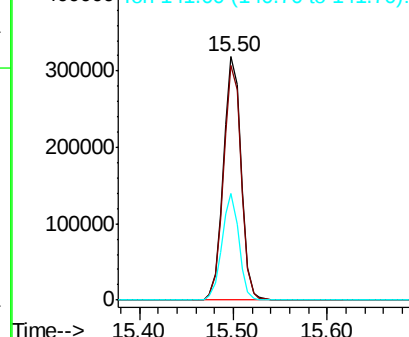
Lab File: BM026687.D

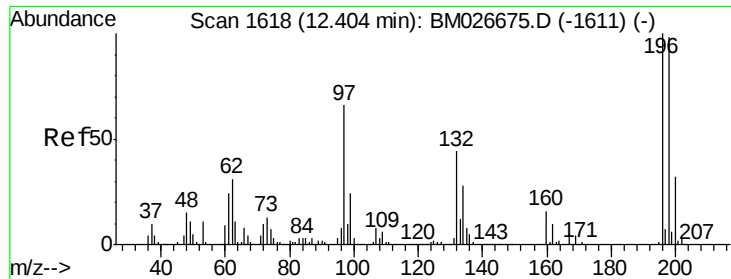
Acq: 07 Jul 2020 21:31

Tgt Ion:	330	Resp:	421667
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.5	116.3
141	41.9	32.4	48.6



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





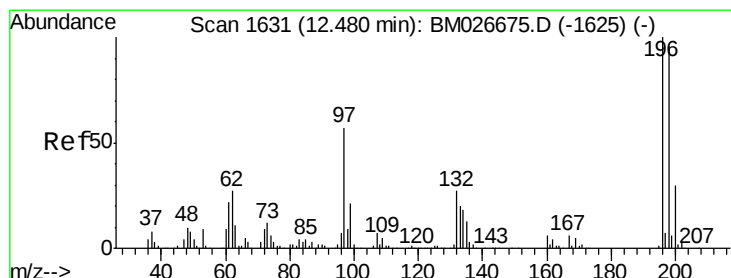
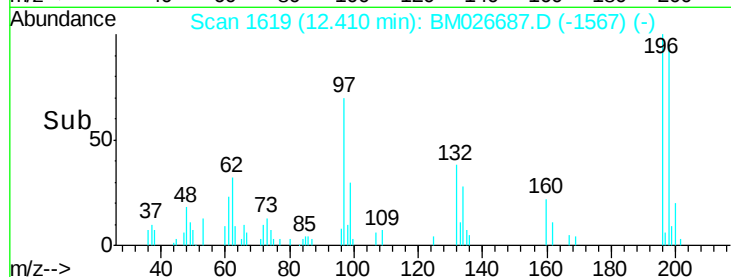
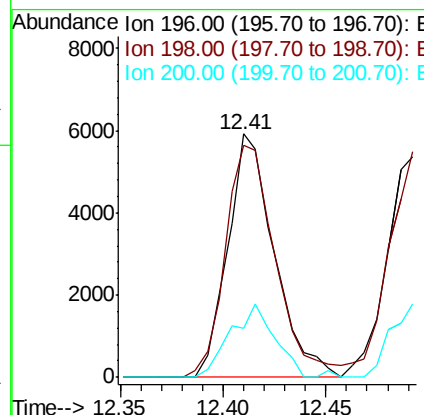
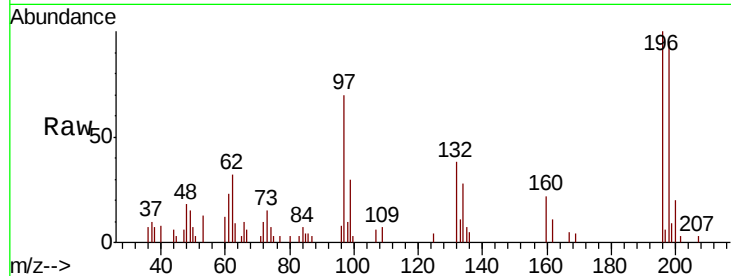
#43
 2,4,6-Trichlorophenol
 Concen: 2.715 ng m
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.3	78.6	118.0
200	20.1	25.3	37.9#

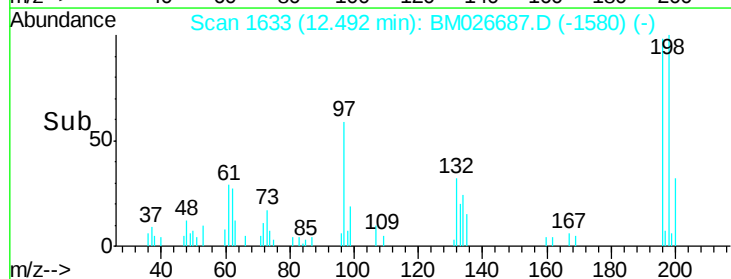
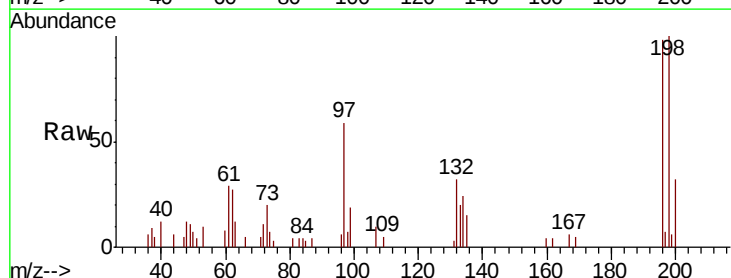
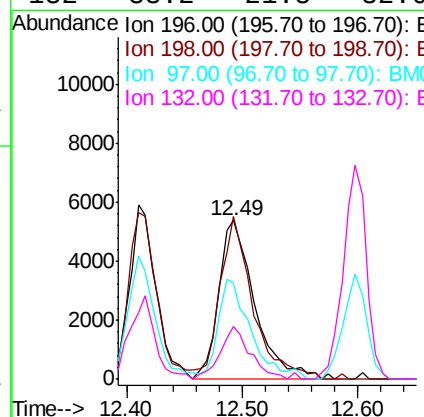
Manual Integrations
 APPROVED

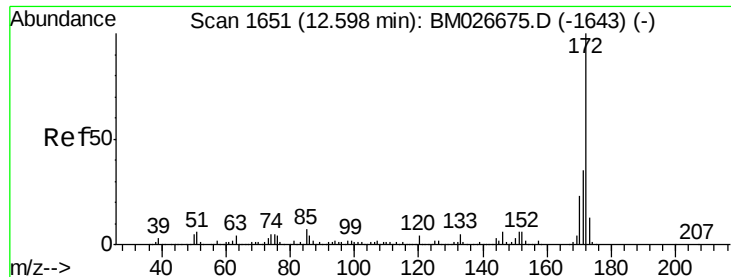
mohammad
 7/9/2020 10:56:38 AM



#44
 2,4,5-Trichlorophenol
 Concen: 2.875 ng
 RT: 12.49 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
196	100		
198	102.3	77.0	115.6
97	60.5	45.7	68.5
132	33.2	21.8	32.6#





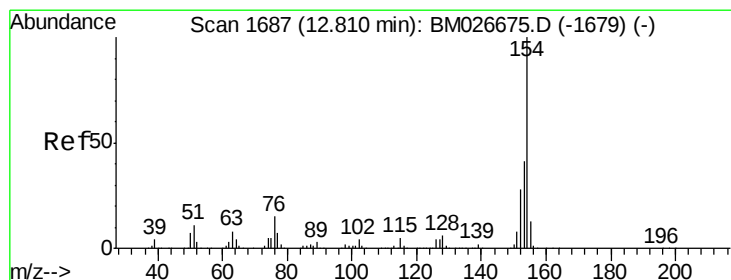
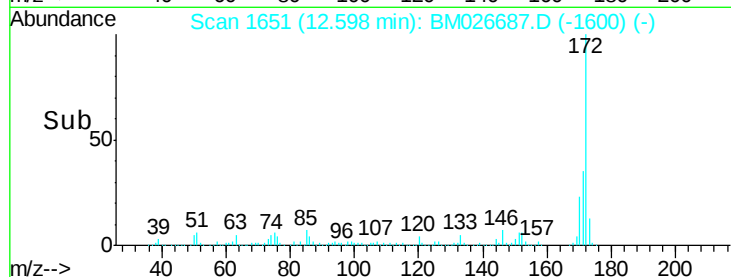
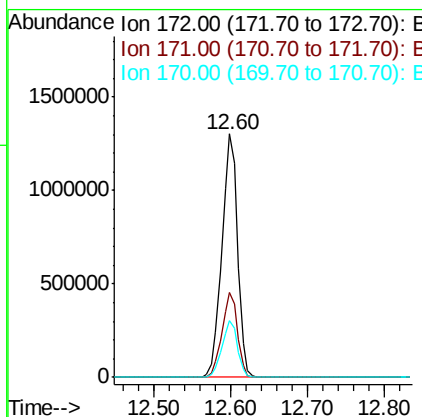
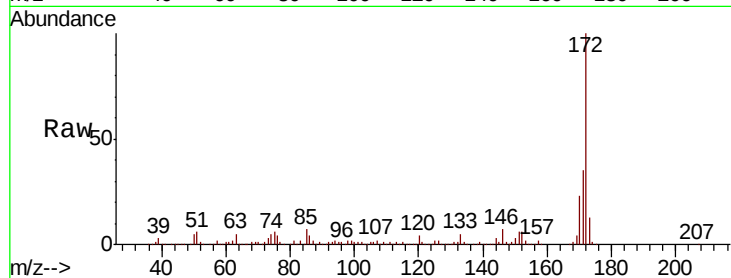
#45
2-Fluorobiphenyl
Concen: 149.838 ng
RT: 12.60 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.1	18.5	27.7

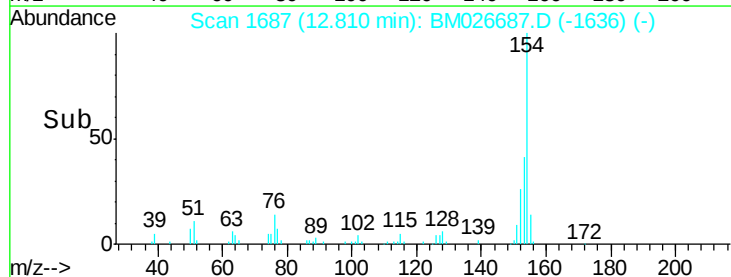
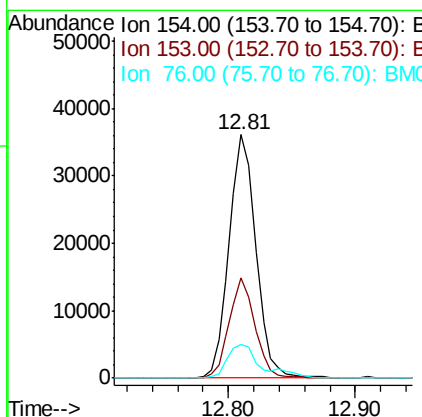
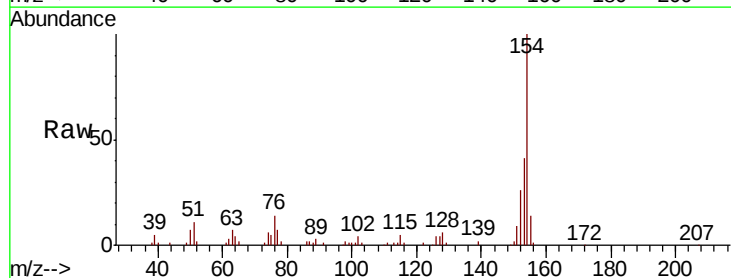
Manual Integrations
APPROVED

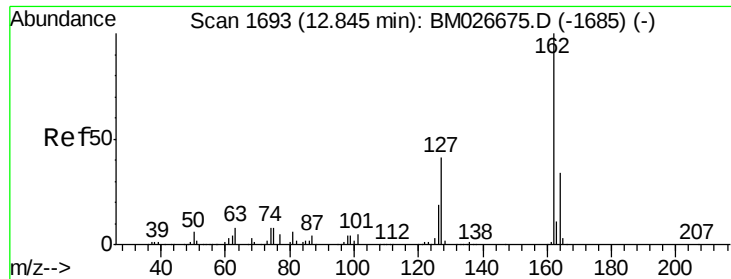
mohammad
7/9/2020 10:56:38 AM



#46
1,1'-Biphenyl
Concen: 4.133 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.9	60.9
76	13.9	0.0	35.2





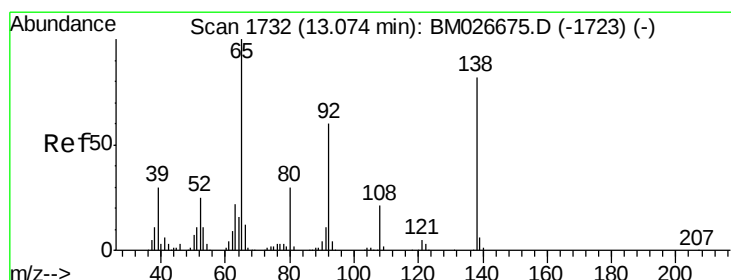
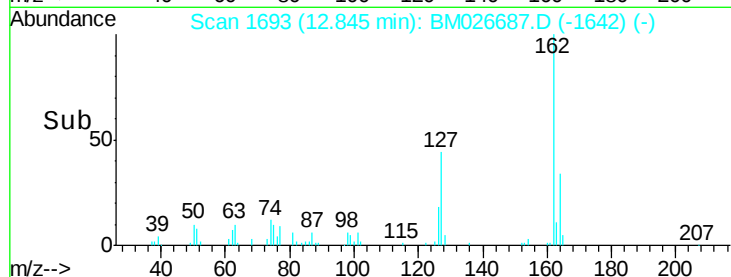
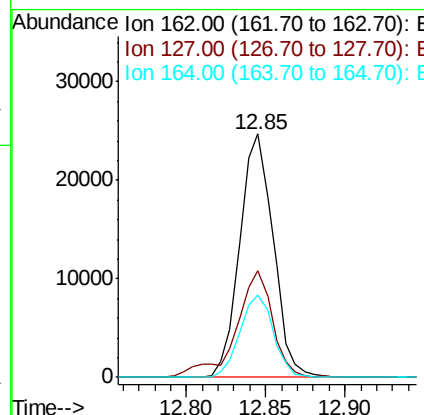
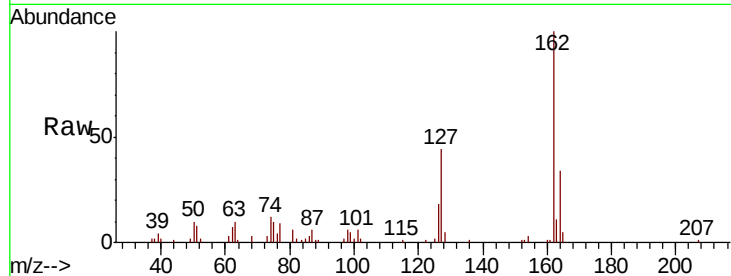
#47
2-Chloronaphthalene
Concen: 3.492 ng
RT: 12.85 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.6	34.0	51.0
164	33.9	26.9	40.3

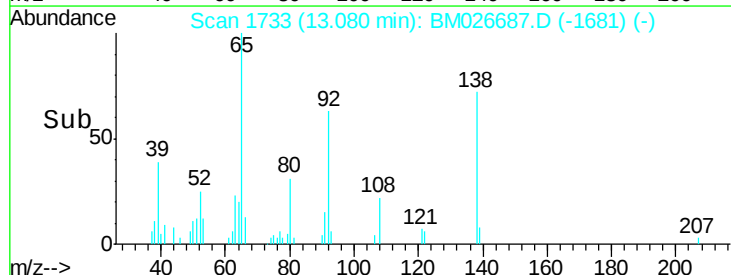
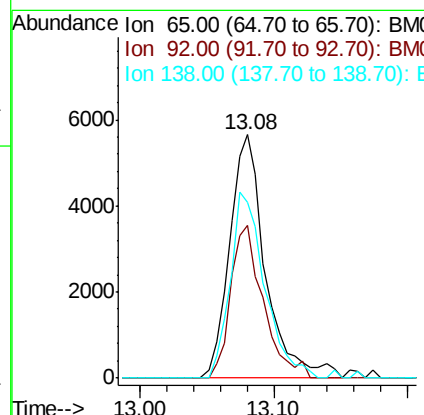
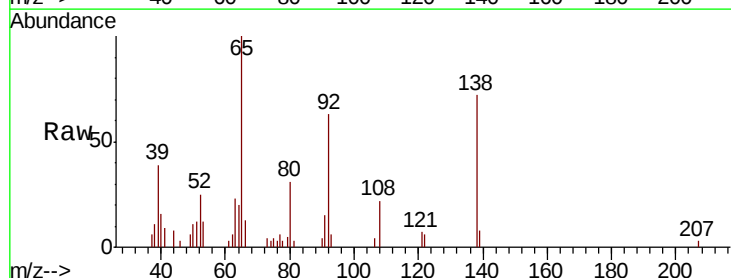
Manual Integrations
APPROVED

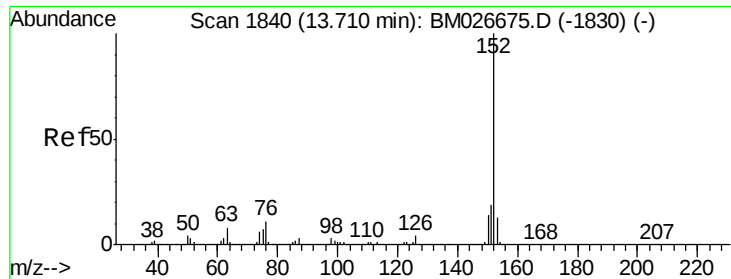
mohammad
7/9/2020 10:56:38 AM



#48
2-Nitroaniline
Concen: 2.496 ng
RT: 13.08 min Scan# 1733
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.8	47.8	71.8
138	72.2	65.6	98.4





#49

Acenaphthylene

Concen: 3.384 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

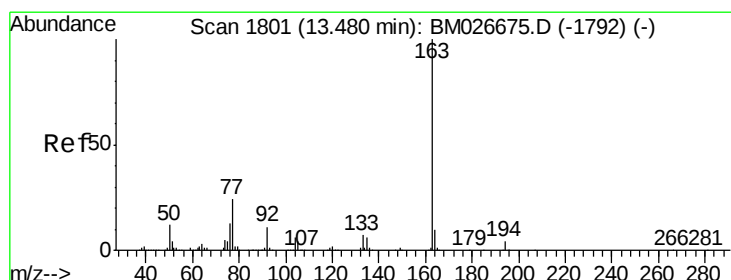
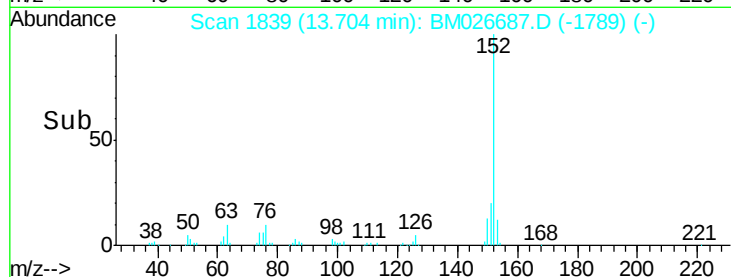
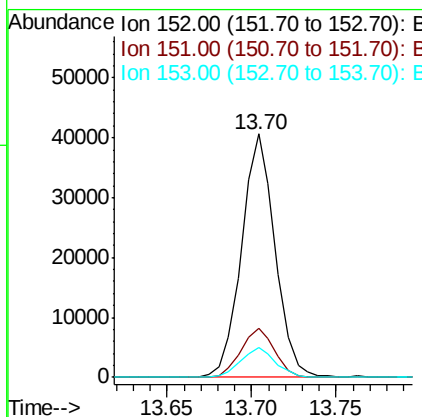
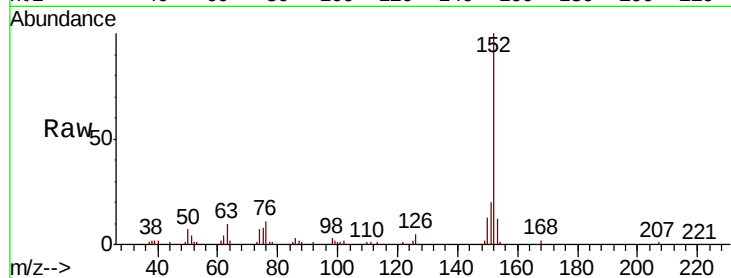
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	56013
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.6	23.4
153	12.4	10.4	15.6

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#50

Dimethylphthalate

Concen: 3.490 ng

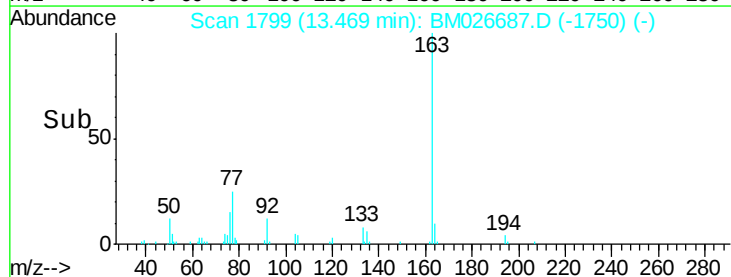
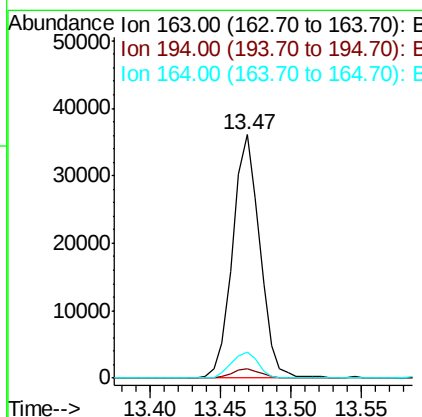
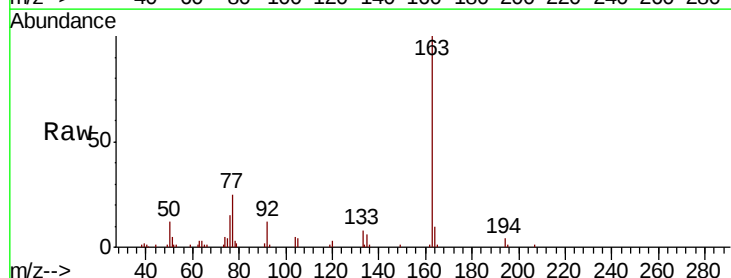
RT: 13.47 min Scan# 1799

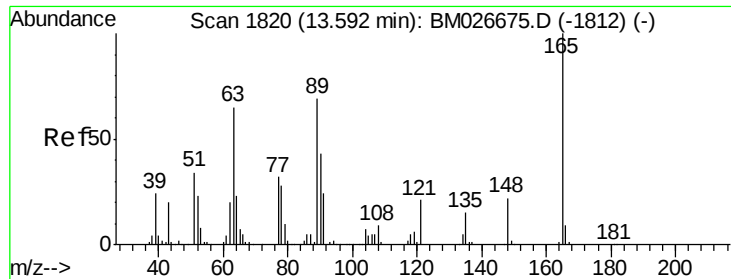
Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	163	Resp:	48434
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.2
164	10.4	7.8	11.6





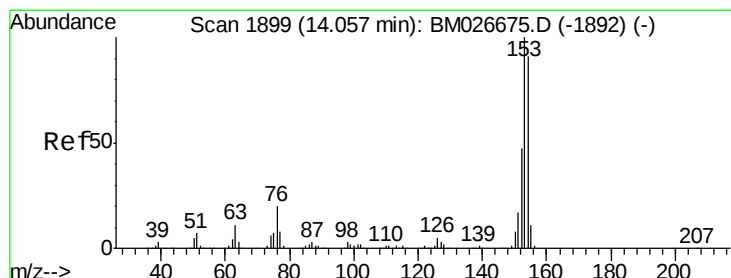
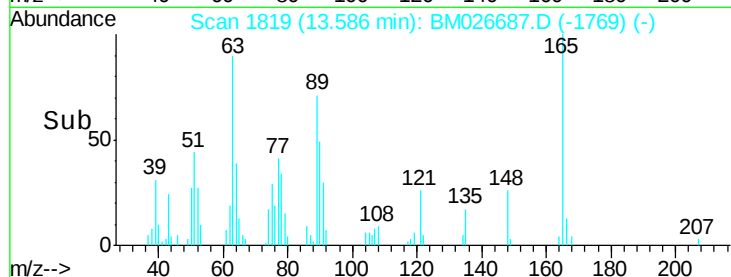
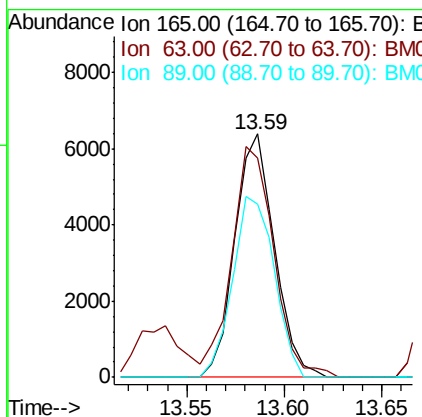
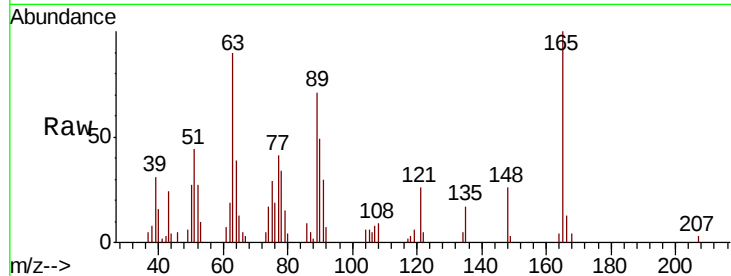
#51
2,6-Dinitrotoluene
Concen: 3.023 ng
RT: 13.59 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	8984		
63	90.3		61.1	91.7
89	71.1		54.9	82.3

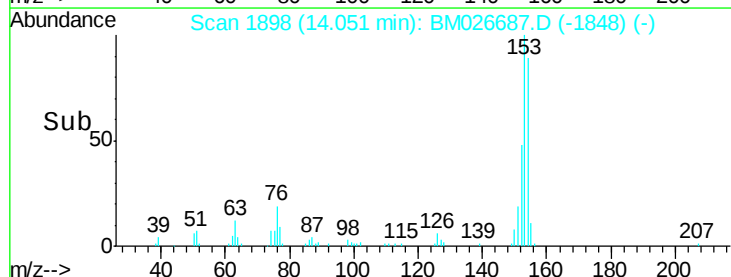
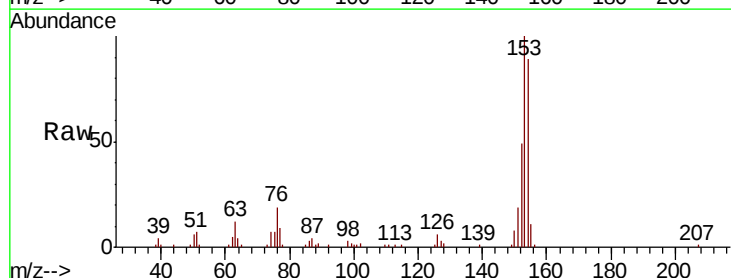
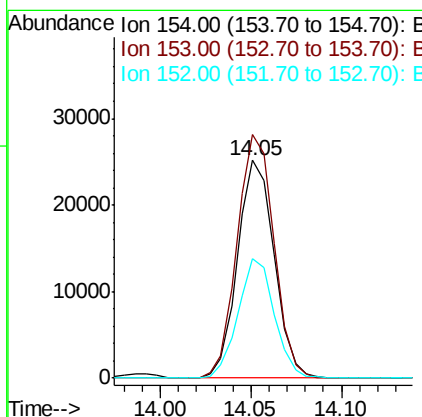
Manual Integrations
APPROVED

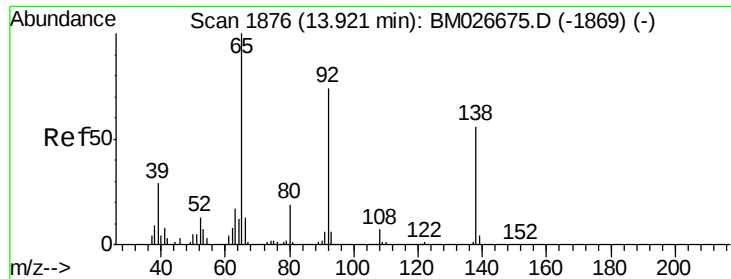
mohammad
7/9/2020 10:56:38 AM



#52
Acenaphthene
Concen: 3.515 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	35356		
153	111.9		88.3	132.5
152	54.8		41.1	61.7





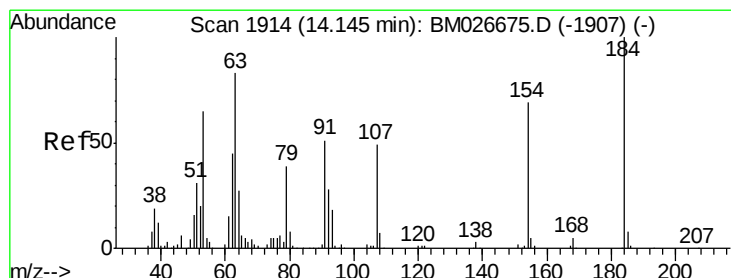
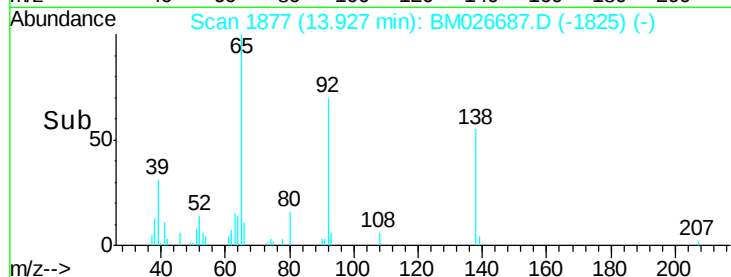
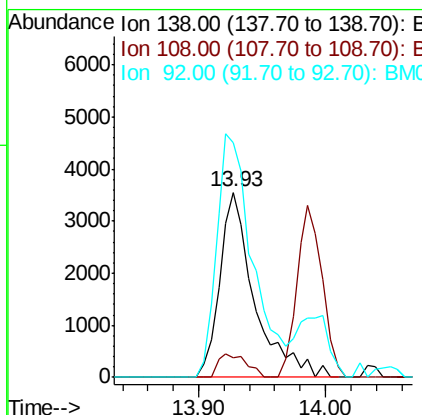
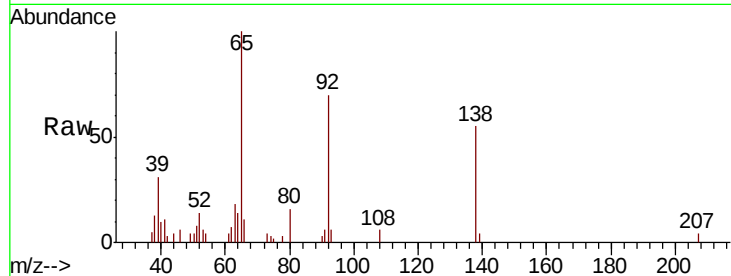
#53
 3-Nitroaniline
 Concen: 2.183 ng
 RT: 13.93 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	9.7	14.5
92	126.6	105.6	158.4

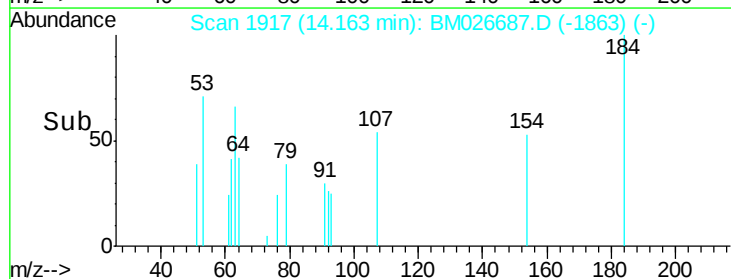
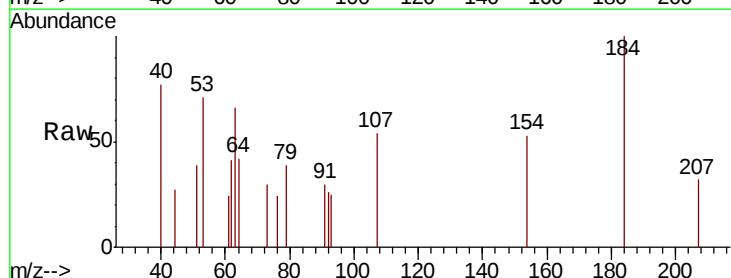
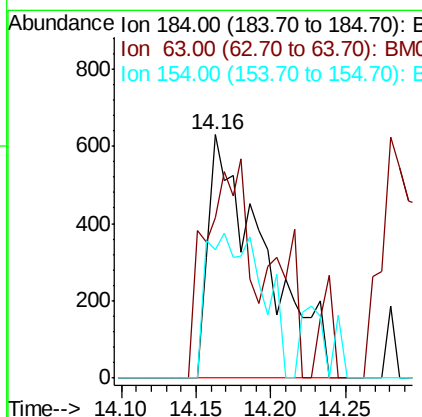
Manual Integrations
 APPROVED

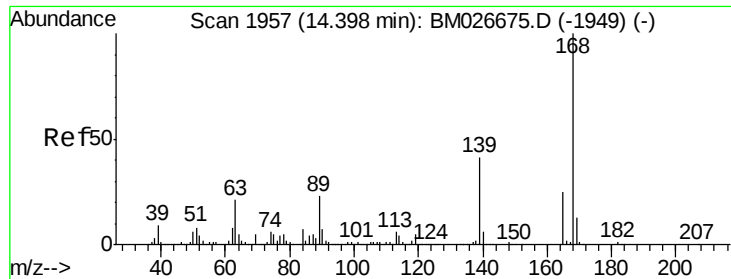
mohammad
 7/9/2020 10:56:38 AM



#54
 2,4-Dinitrophenol
 Concen: 0.933 ng
 RT: 14.16 min Scan# 1917
 Delta R.T. 0.02 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.7	66.2	99.4#
154	52.5	55.2	82.8#





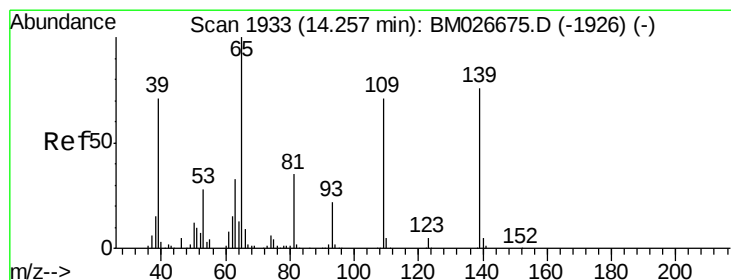
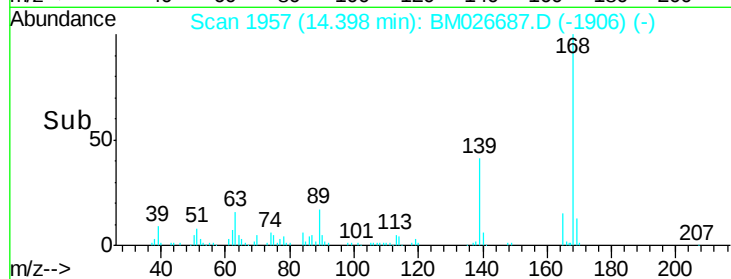
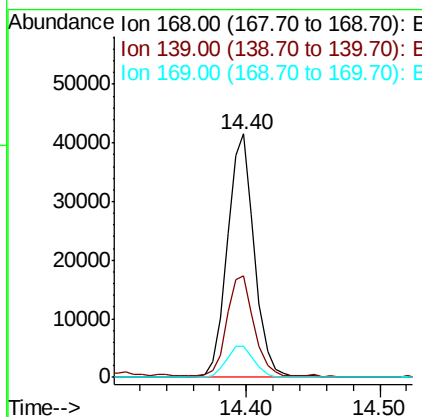
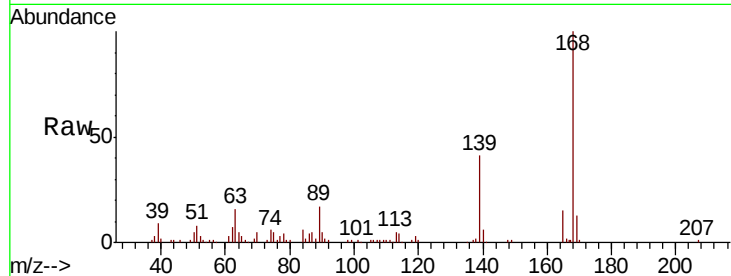
#55
Dibenzenofuran
Concen: 3.543 ng
RT: 14.40 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.5	32.6	48.8
169	12.9	10.5	15.7

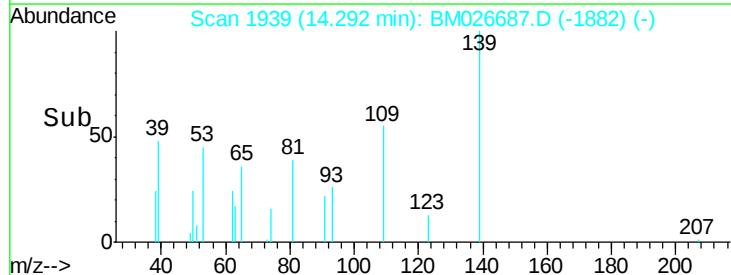
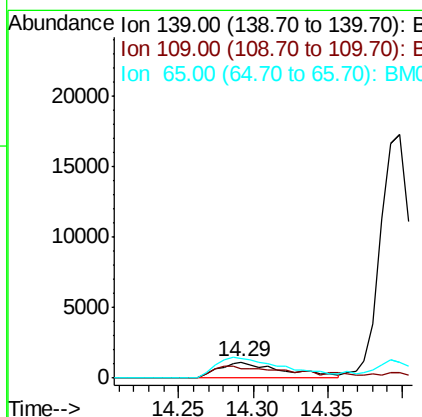
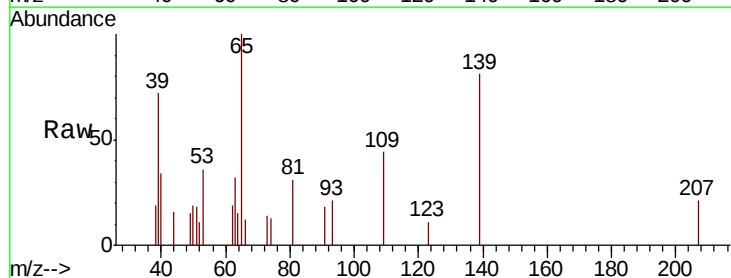
Manual Integrations
APPROVED

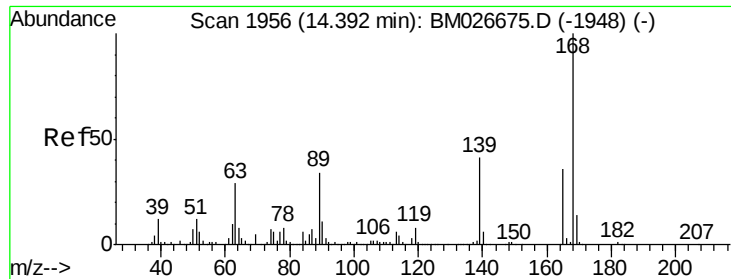
mohammad
7/9/2020 10:56:38 AM



#56
4-Nitrophenol
Concen: 1.403 ng
RT: 14.29 min Scan# 1939
Delta R.T. 0.04 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	54.8	73.7	113.7#
65	123.8	111.5	151.5





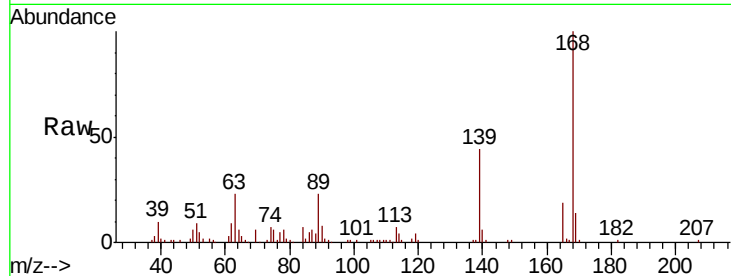
#57
 2,4-Dinitrotoluene
 Concen: 2.556 ng
 RT: 14.39 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	10964		
63	119.5	64.6	97.0#	
89	116.5	75.4	113.2#	
182	2.9	2.2	3.4	

Manual Integrations
 APPROVED

mohammad
 7/9/2020 10:56:38 AM

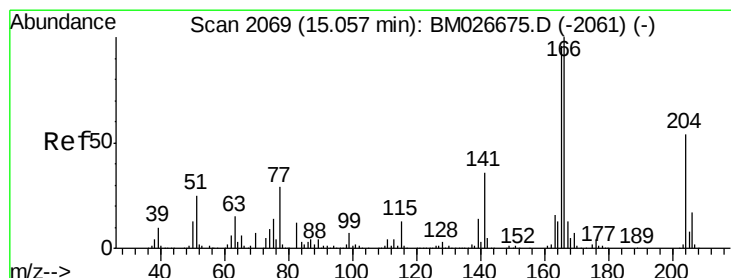
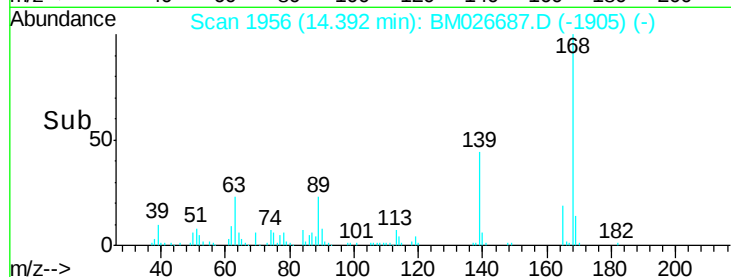
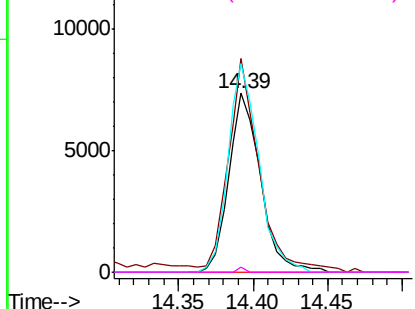


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



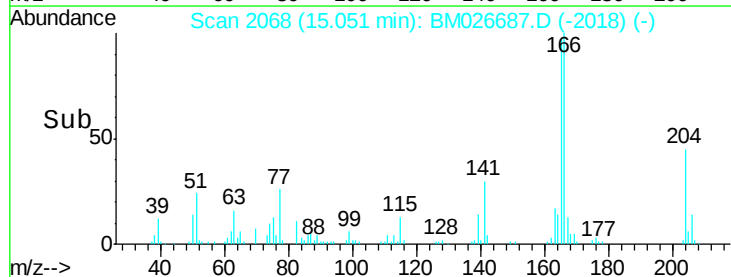
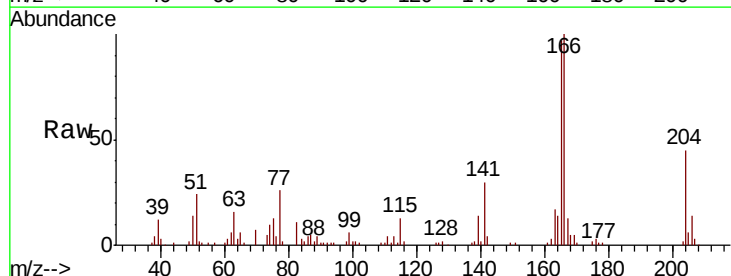
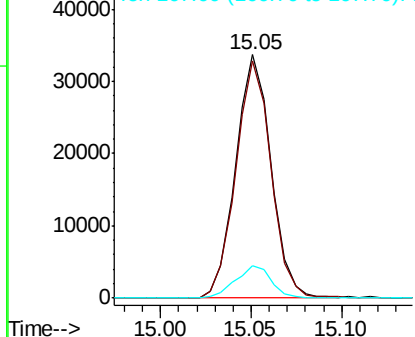
#58
 Fluorene
 Concen: 3.348 ng
 RT: 15.05 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

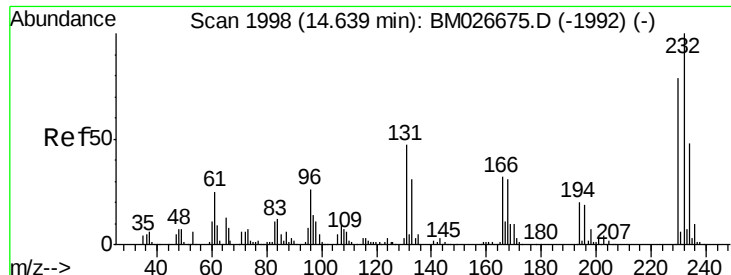
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	45722		
165	97.2	77.1	115.7	
167	13.4	10.8	16.2	

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





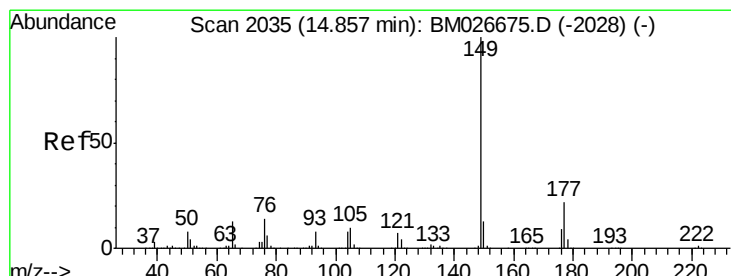
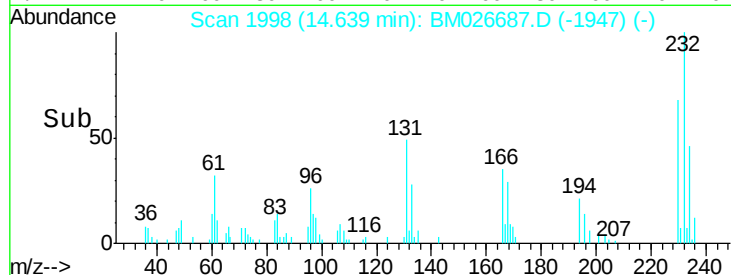
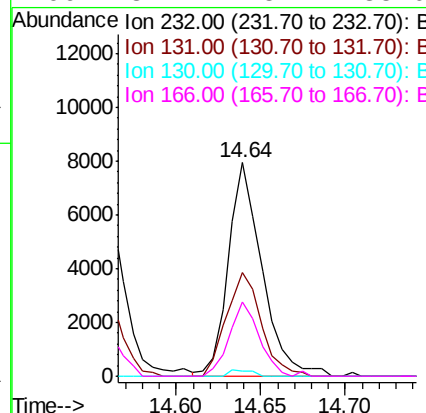
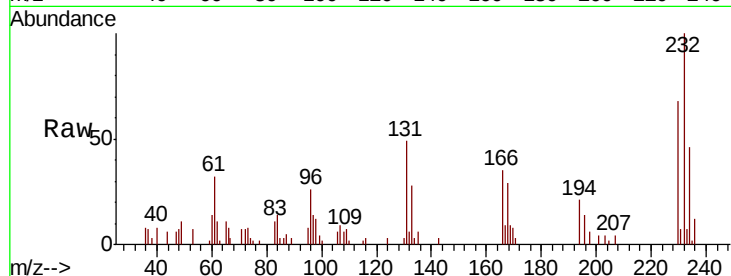
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.135 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	50.2	38.4	57.6
130	2.0	2.2	3.2
166	31.4	25.4	38.0

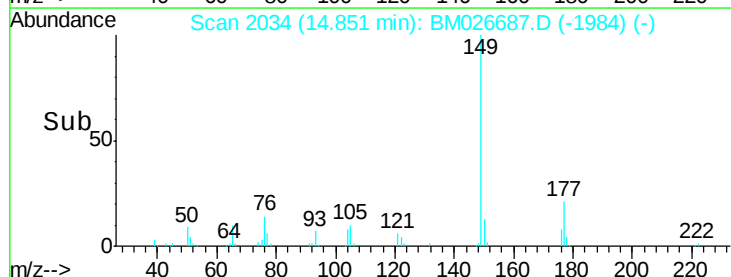
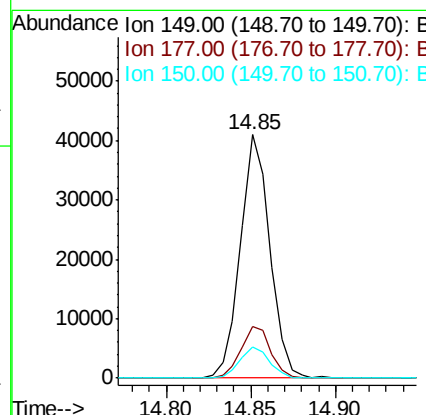
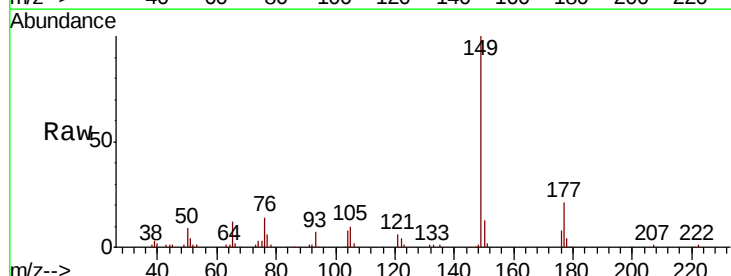
Manual Integrations
 APPROVED

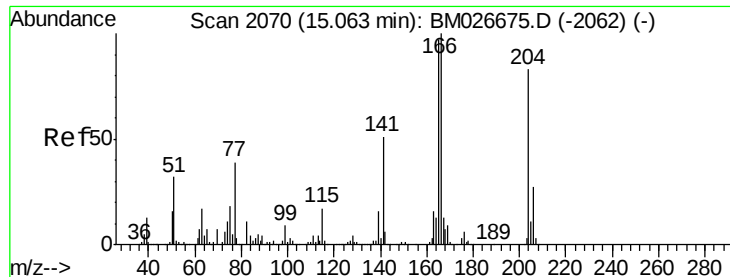
mohammad
 7/9/2020 10:56:38 AM



#60
 Diethylphthalate
 Concen: 3.394 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.8	26.6
150	12.7	10.2	15.4





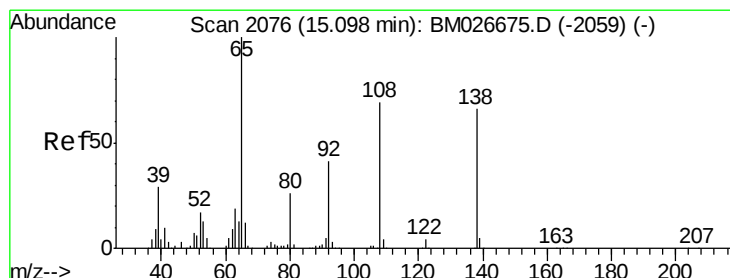
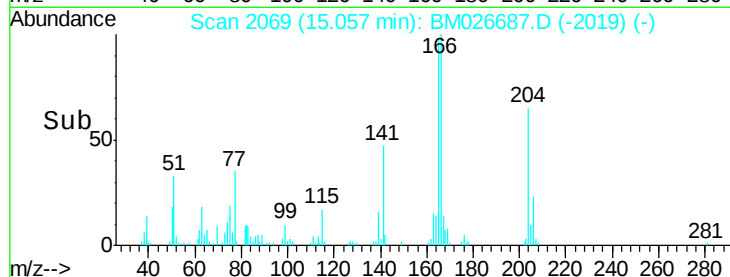
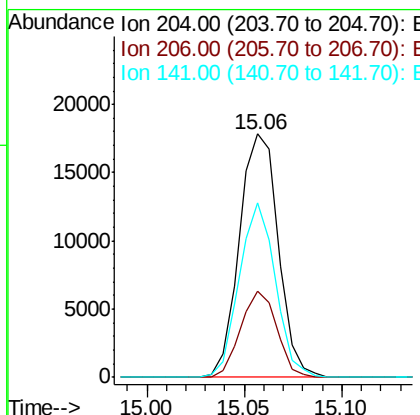
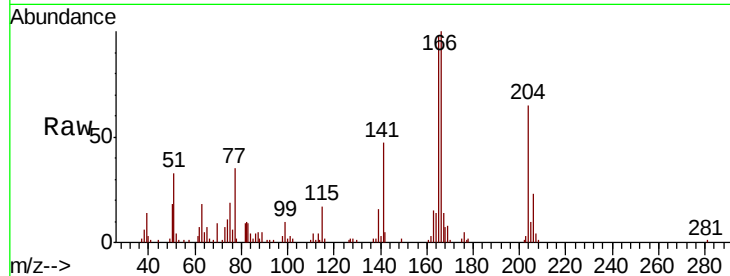
#61
4-Chlorophenyl-phenylether
Concen: 3.331 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.2	25.9	38.9
141	71.8	49.5	74.3

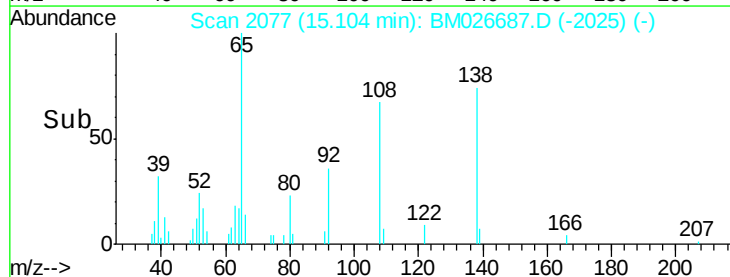
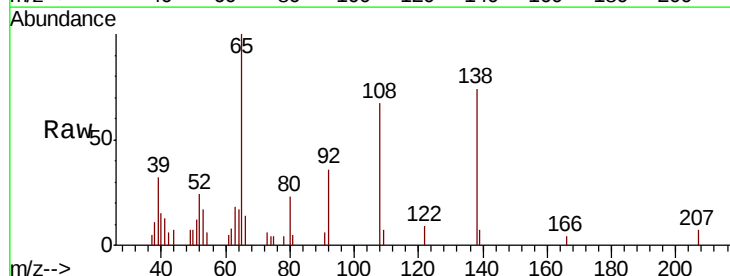
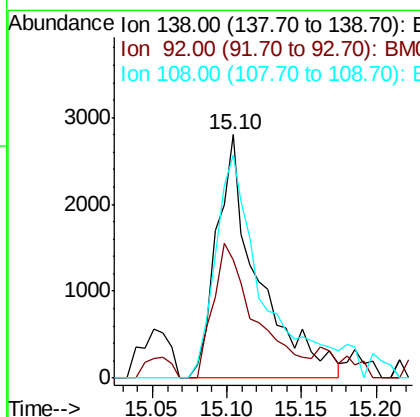
Manual Integrations
APPROVED

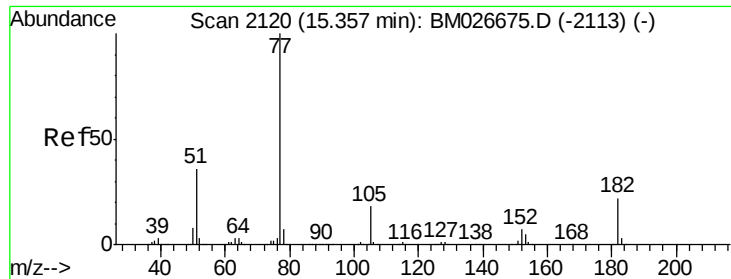
mohammad
7/9/2020 10:56:38 AM



#62
4-Nitroaniline
Concen: 1.681 ng
RT: 15.10 min Scan# 2077
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.3	41.5	81.5
108	91.6	84.8	124.8





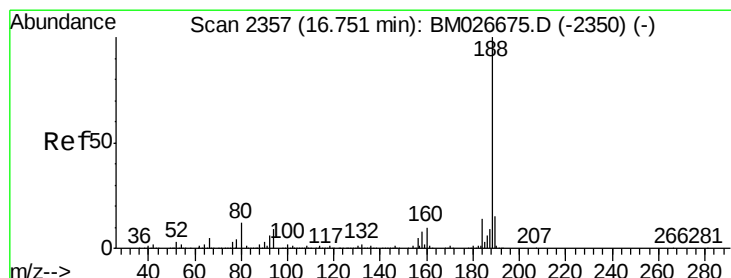
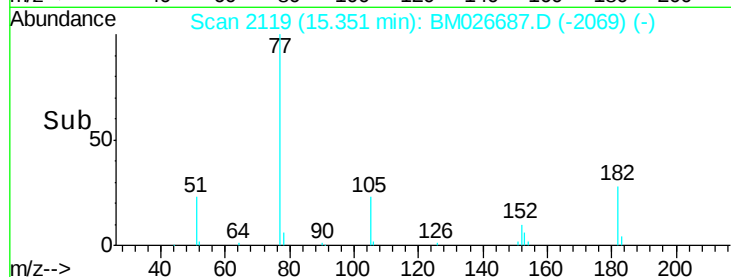
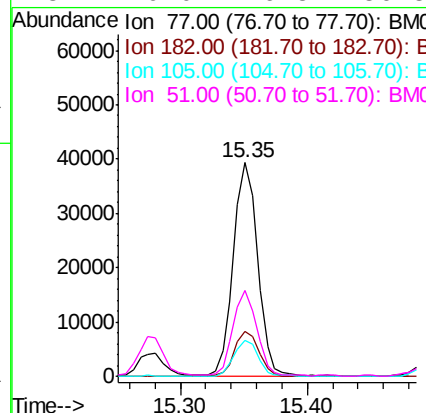
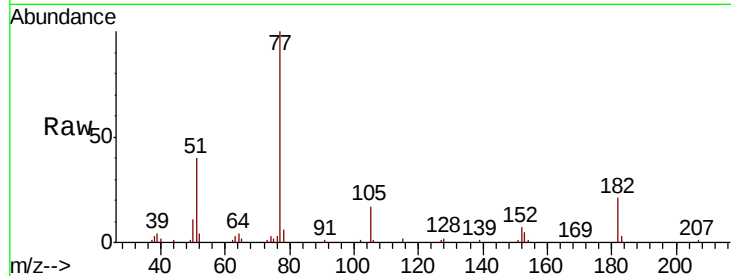
#63
Azobenzene
Concen: 3.250 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	21.1	1.6	41.6	
105	17.0	0.0	37.8	
51	40.0	16.5	56.5	

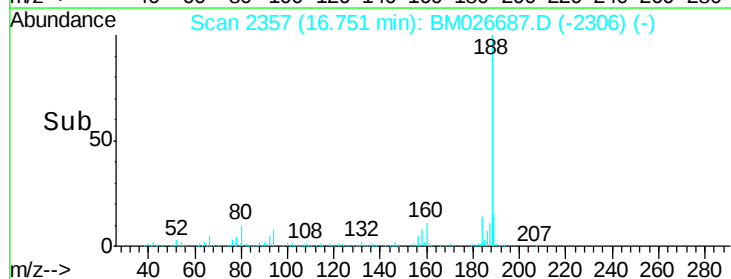
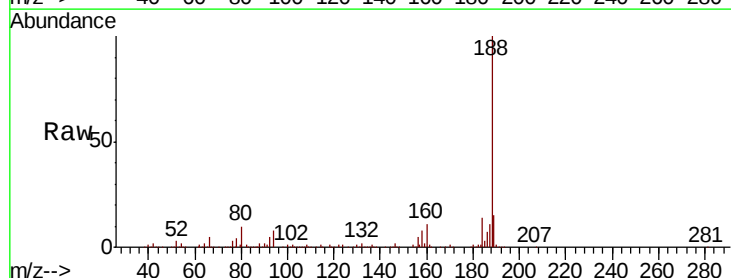
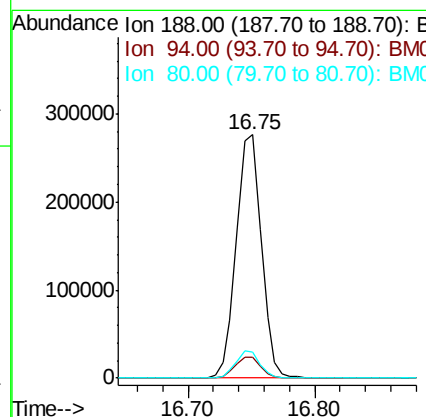
Manual Integrations
APPROVED

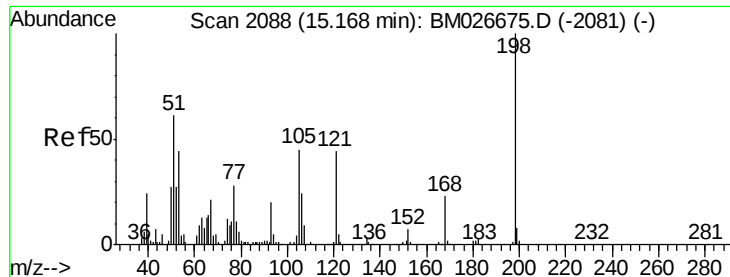
mohammad
7/9/2020 10:56:38 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.75 min Scan# 2357
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.4	7.4	11.0	
80	10.5	9.3	13.9	





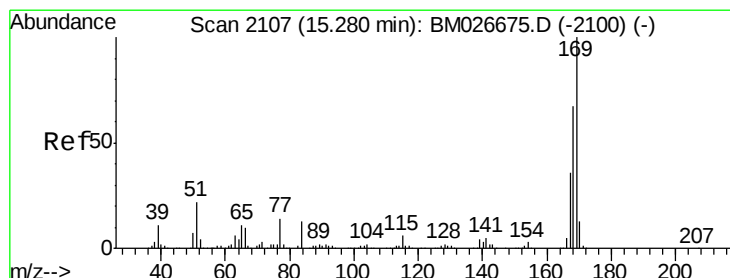
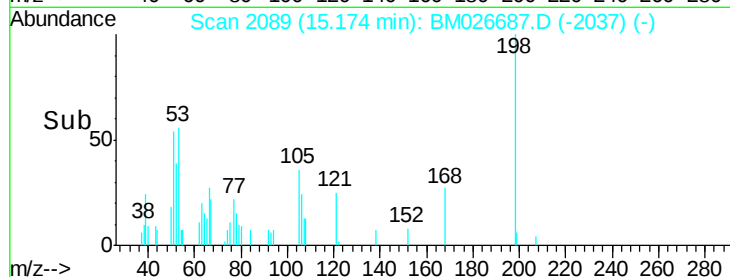
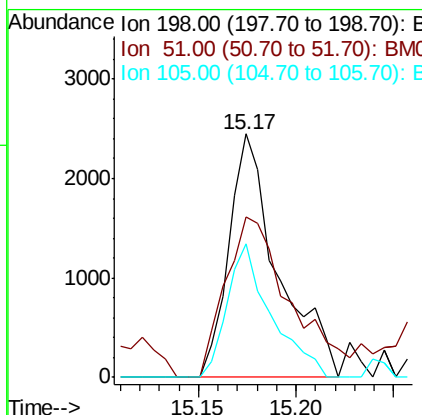
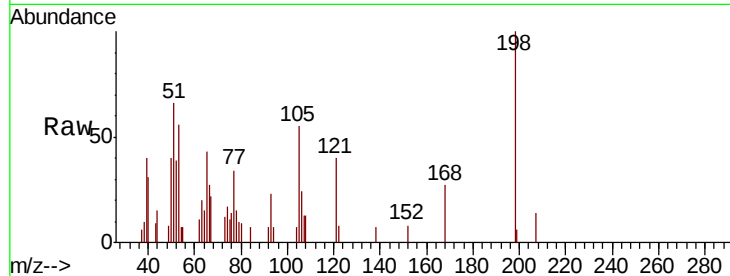
#65
4,6-Dinitro-2-methylphenol
Concen: 1.659 ng
RT: 15.17 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	65.8	42.0	82.0
105	54.7	24.9	64.9

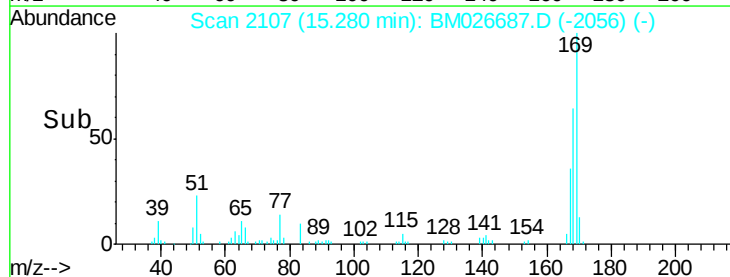
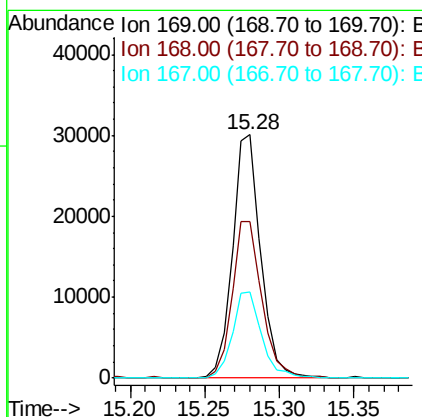
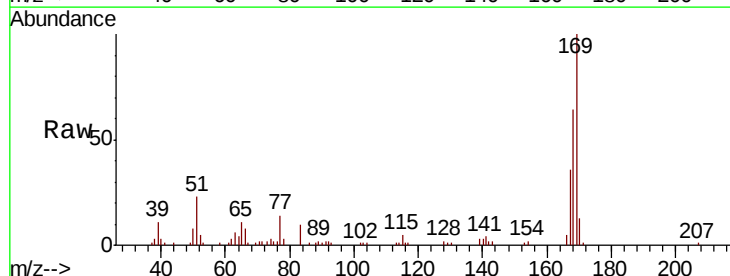
Manual Integrations
APPROVED

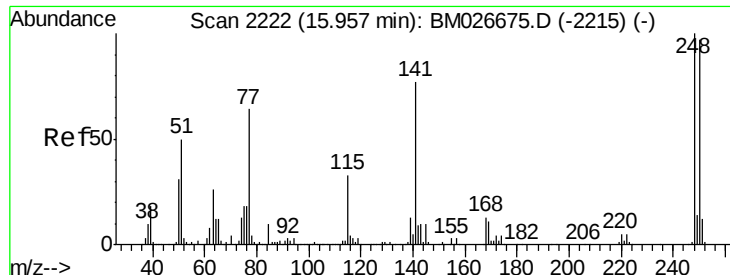
mohammad
7/9/2020 10:56:38 AM



#66
n-Nitrosodiphenylamine
Concen: 3.297 ng
RT: 15.28 min Scan# 2107
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.1	53.8	80.8
167	35.6	28.6	43.0





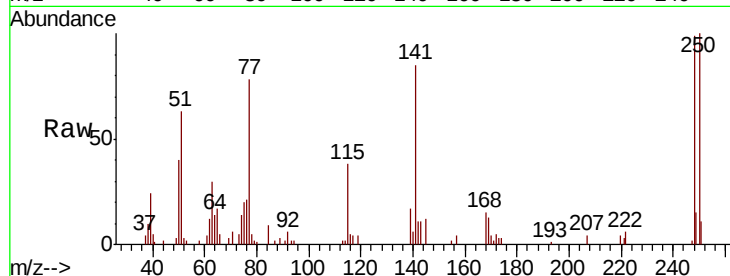
#67
 4-Bromophenyl-phenylether
 Concen: 3.251 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	100.8	77.4	116.2
141	85.9	61.9	92.9

Manual Integrations
 APPROVED

mohammad
 7/9/2020 10:56:38 AM

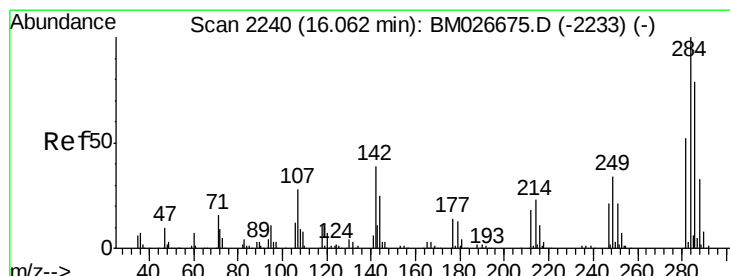
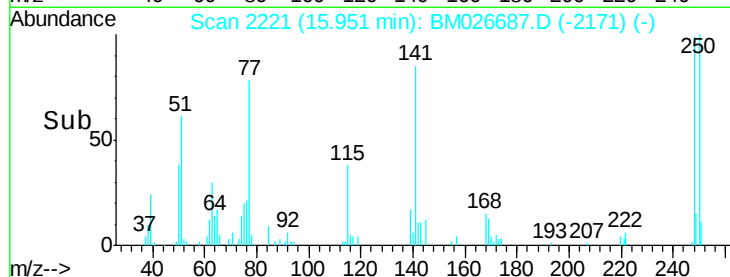
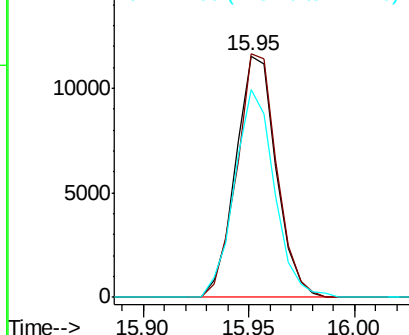


Abundance

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: 3.619 ng
 RT: 16.06 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

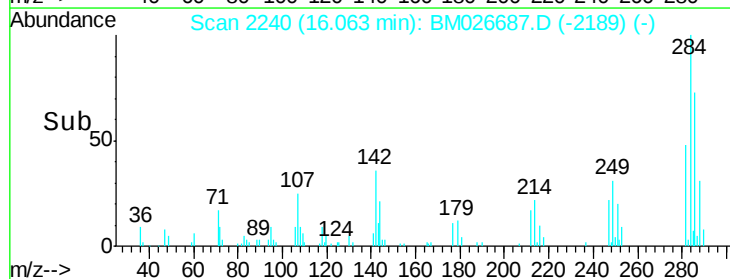
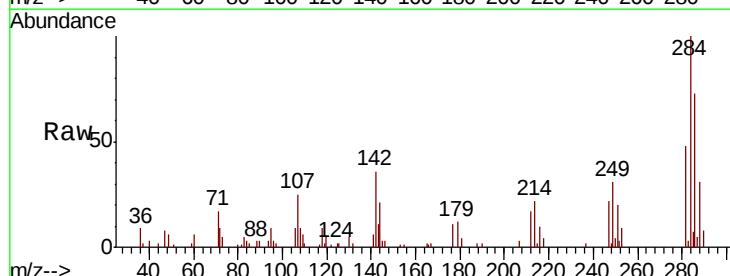
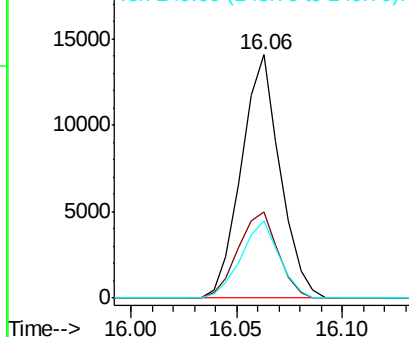
Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.6	31.1	46.7
249	35.3	27.4	41.0

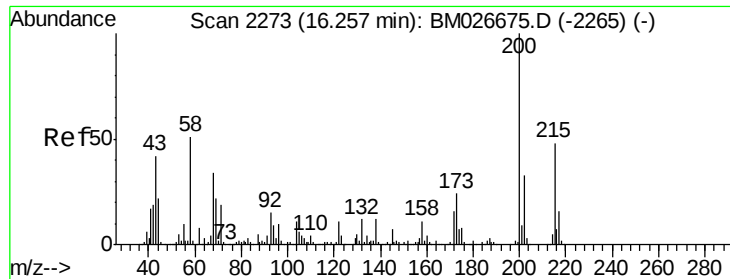
Abundance

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





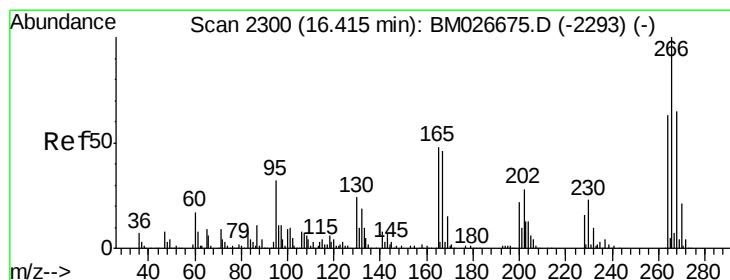
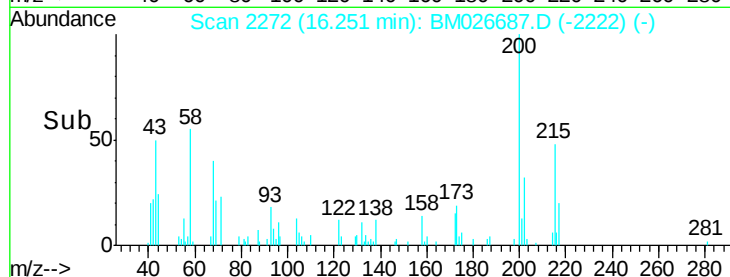
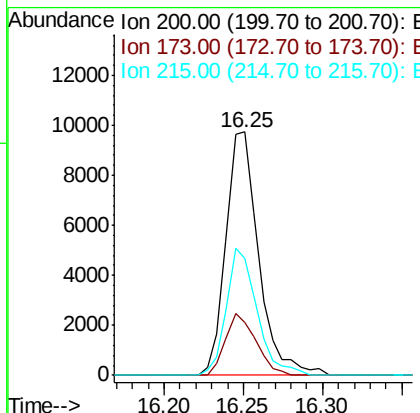
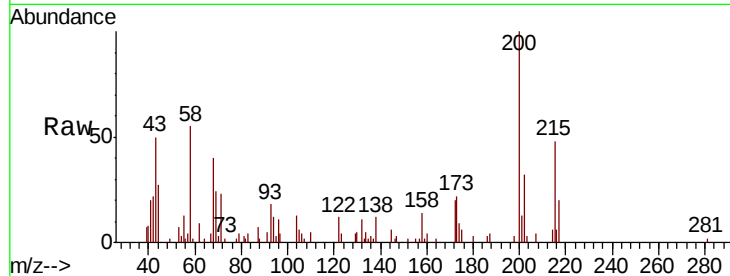
#69
Atrazine
Concen: 3.872 ng
RT: 16.25 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	21.7	4.5	44.5
215	48.1	28.4	68.4

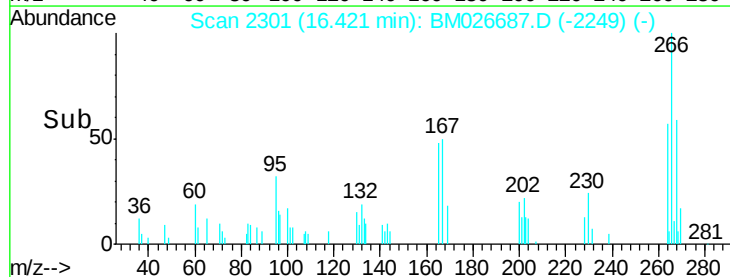
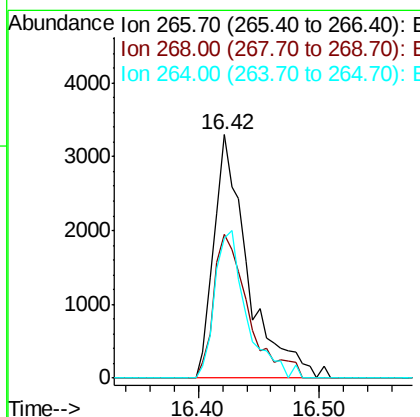
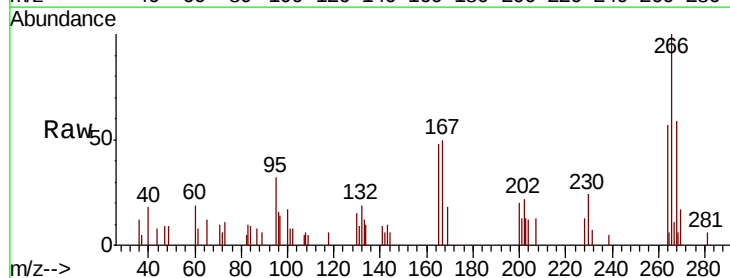
Manual Integrations
APPROVED

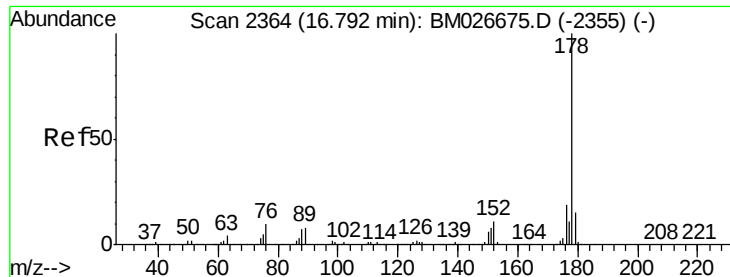
mohammad
7/9/2020 10:56:38 AM



#70
Pentachlorophenol
Concen: 2.297 ng
RT: 16.42 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.8	77.6
264	63.8	50.1	75.1





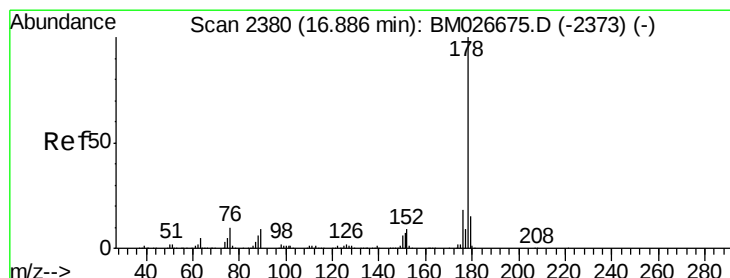
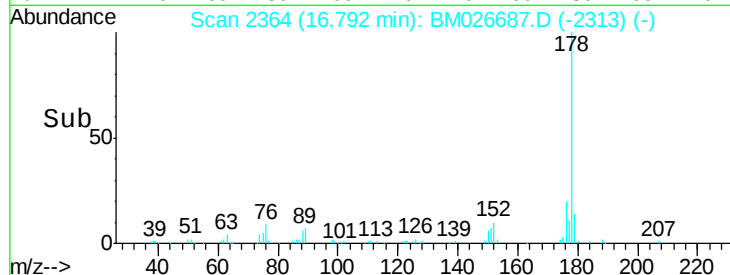
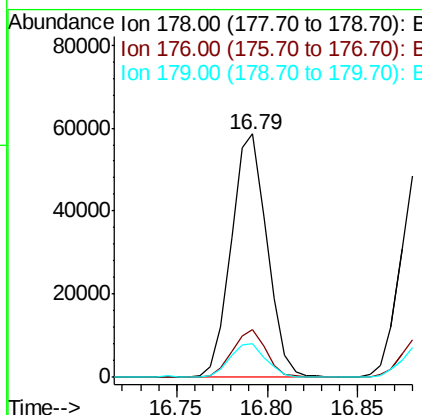
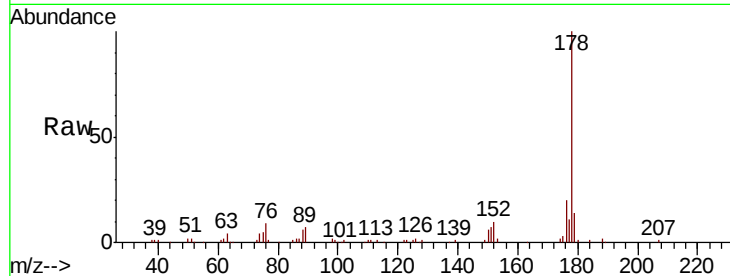
#71
Phenanthrene
Concen: 3.596 ng
RT: 16.79 min Scan# 2364
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.6
179	14.0	12.1	18.1

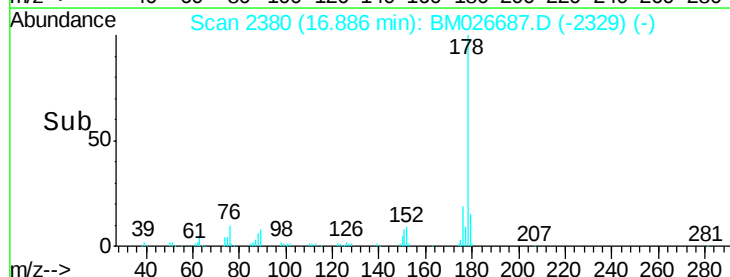
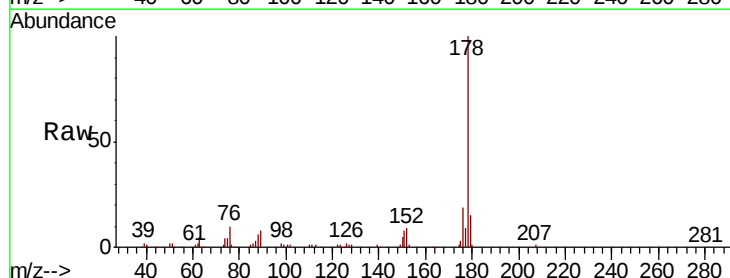
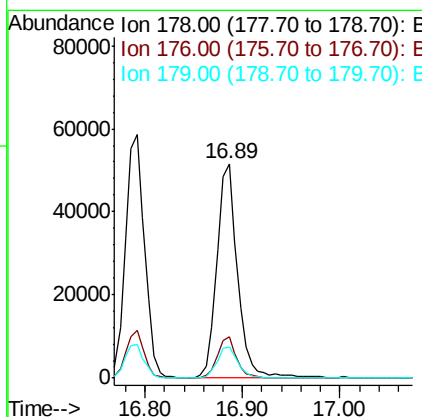
Manual Integrations
APPROVED

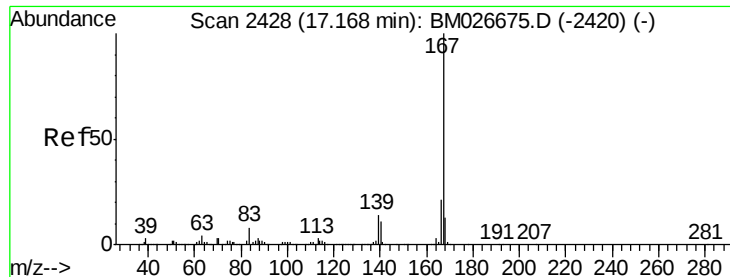
mohammad
7/9/2020 10:56:38 AM



#72
Anthracene
Concen: 3.443 ng
RT: 16.89 min Scan# 2380
Delta R.T. 0.00 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.7	22.1
179	14.7	12.1	18.1





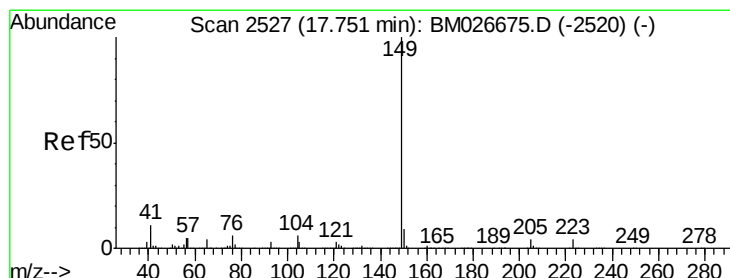
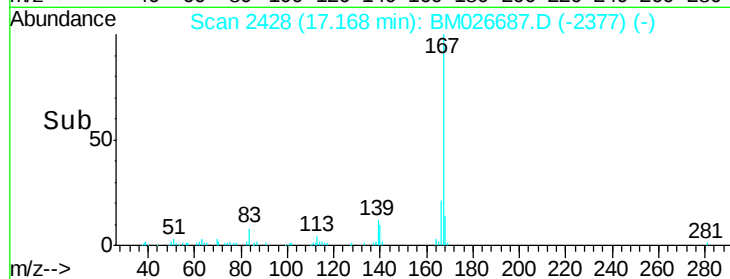
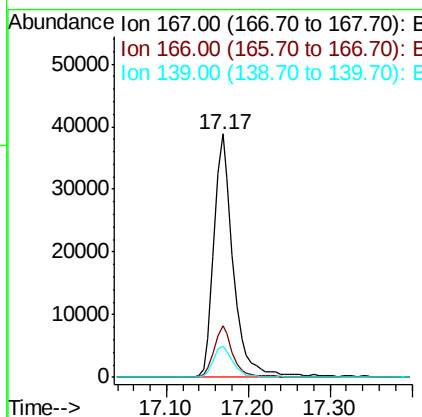
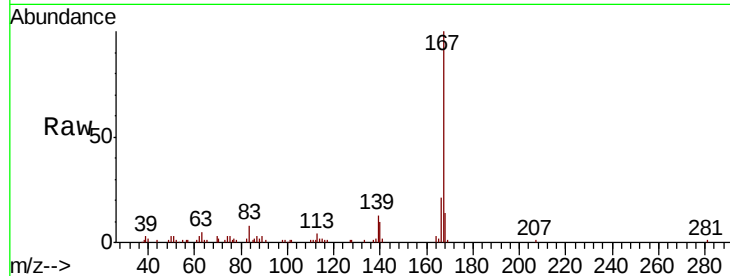
#73
 Carbazole
 Concen: 3.059 ng
 RT: 17.17 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	12.8	10.8	16.2

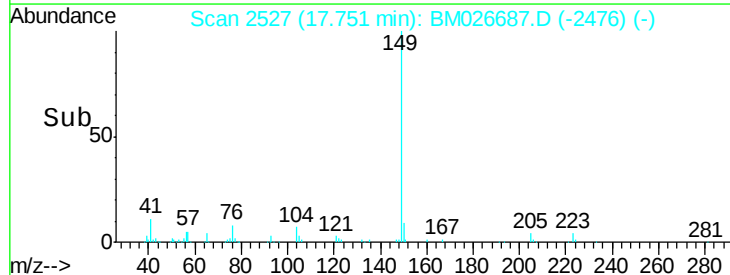
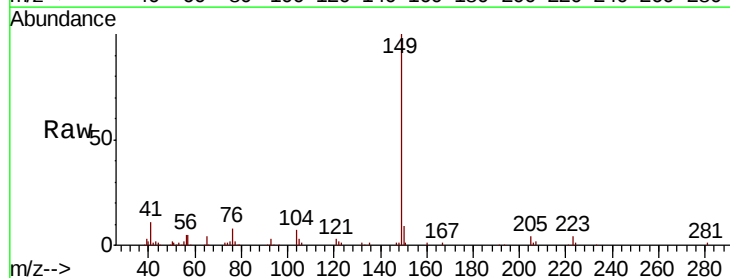
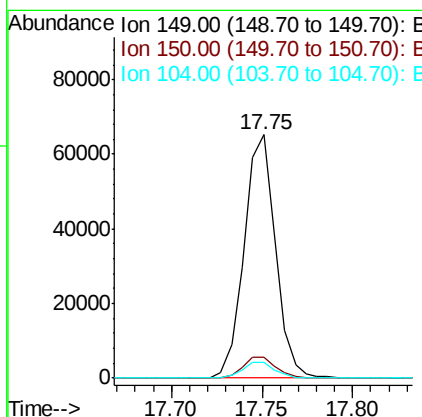
Manual Integrations
 APPROVED

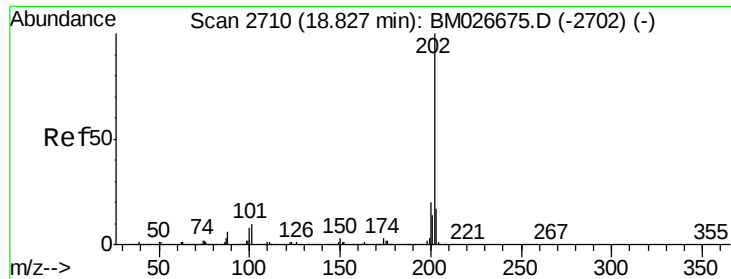
mohammad
 7/9/2020 10:56:38 AM



#74
 Di-n-butylphthalate
 Concen: 2.947 ng
 RT: 17.75 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	6.6	5.0	7.4





#75

Fluoranthene

Concen: 3.482 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

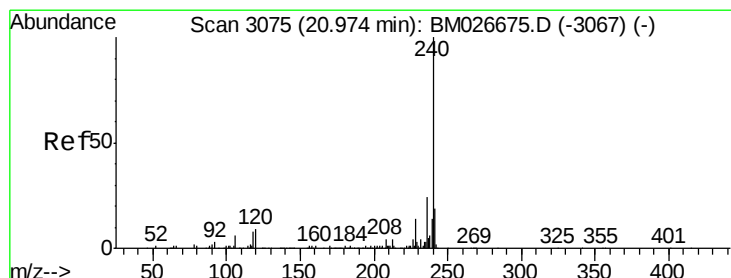
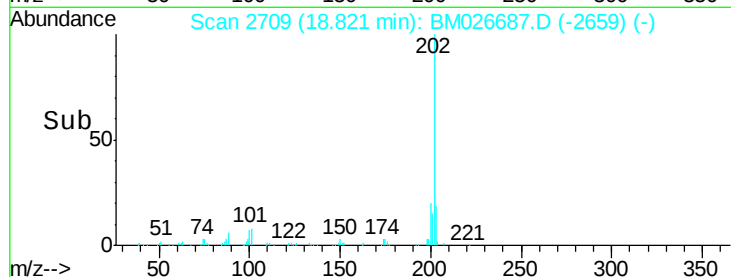
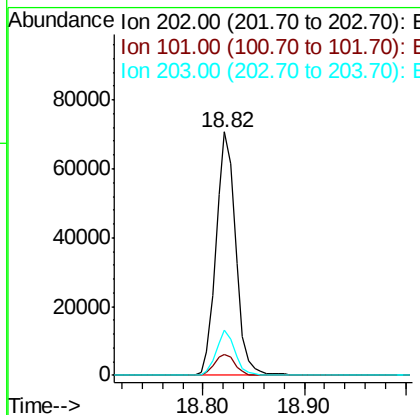
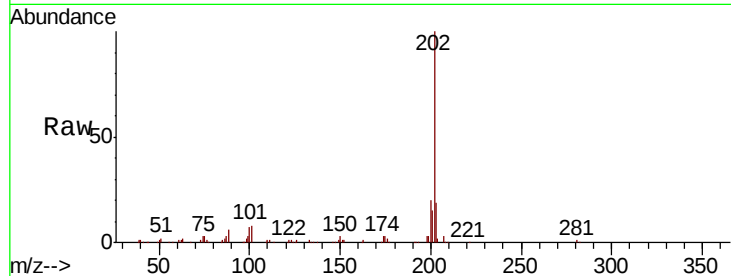
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		95598		
101	8.4	0.0	30.1		
203	18.6	0.0	37.2		

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#76

Chrysene-d12

Concen: 20.000 ng

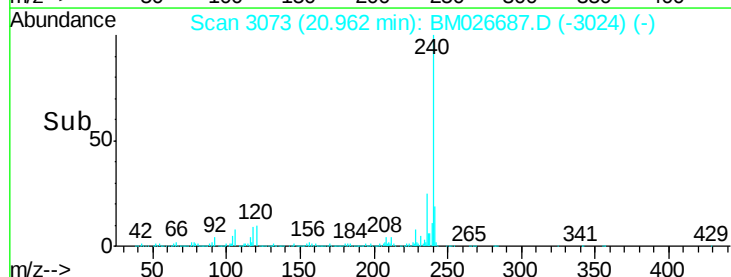
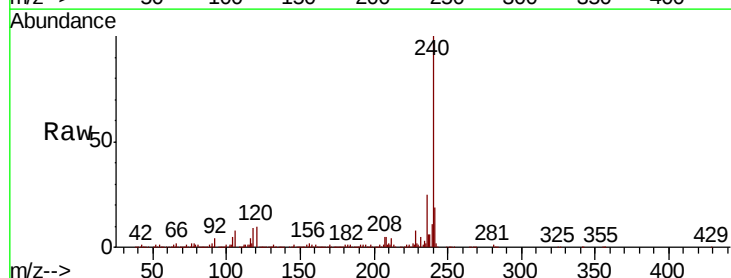
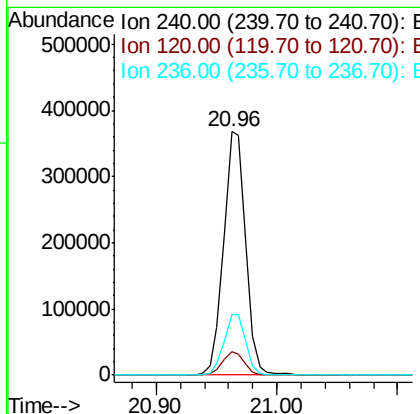
RT: 20.96 min Scan# 3073

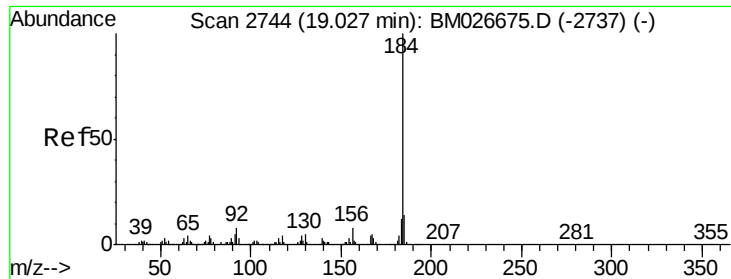
Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		462661		
120	9.6	7.3	10.9		
236	25.0	19.4	29.2		





#77

Benzidine

Concen: 2.811 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Instrument :

BNA_M

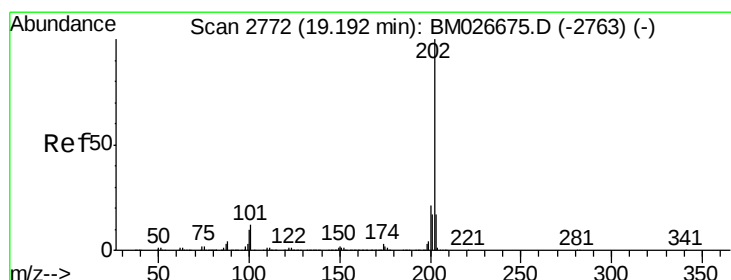
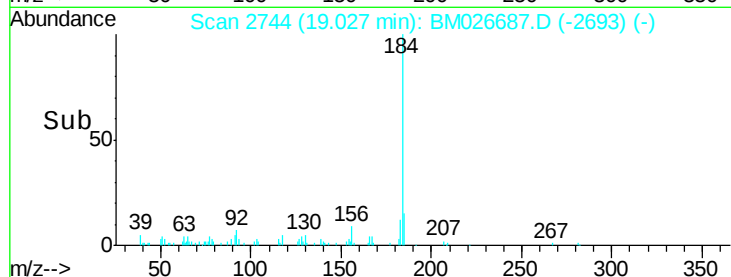
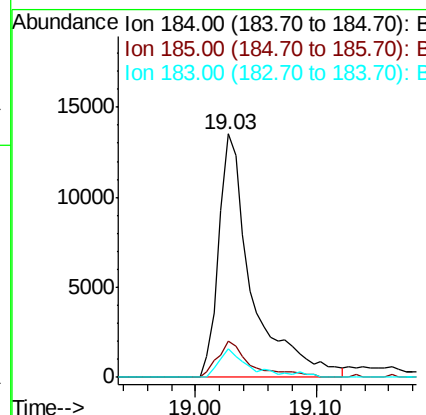
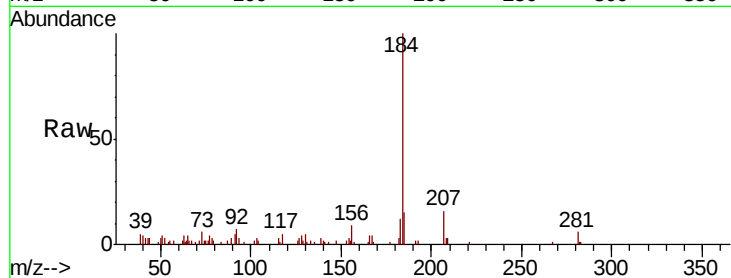
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	25641
Ion Ratio	Lower	Upper	
184	100		
185	14.7	10.9	16.3
183	11.9	9.3	13.9

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#78

Pyrene

Concen: 3.458 ng

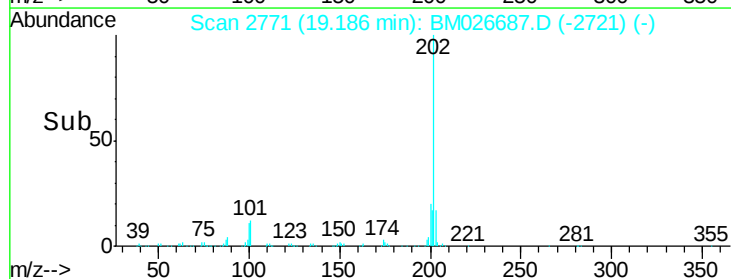
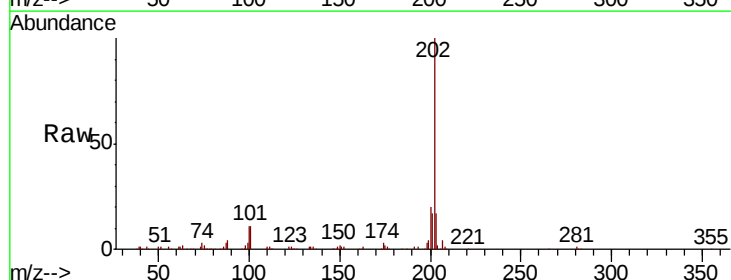
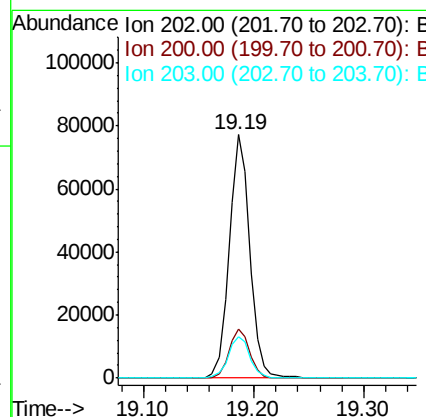
RT: 19.19 min Scan# 2771

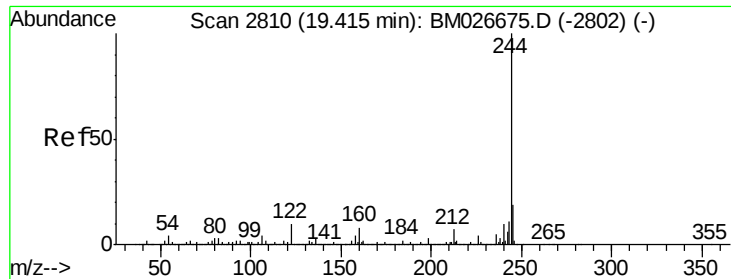
Delta R.T. -0.01 min

Lab File: BM026687.D

Acq: 07 Jul 2020 21:31

Tgt Ion:	202	Resp:	100770
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.6	24.8
203	17.0	13.7	20.5





#79
 Terphenyl-d14
 Concen: 150.340 ng
 RT: 19.42 min Scan# 2810
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

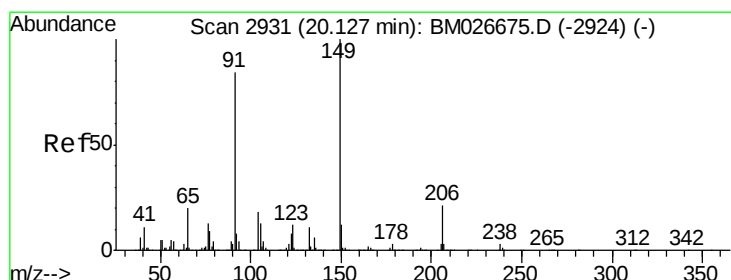
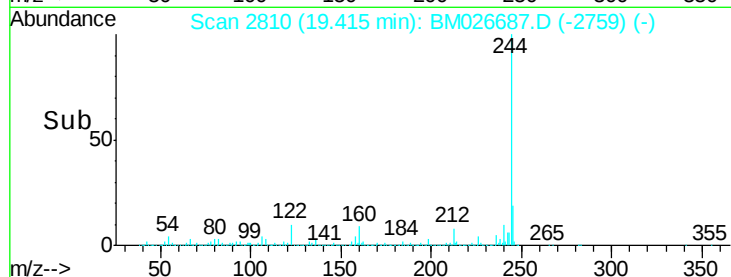
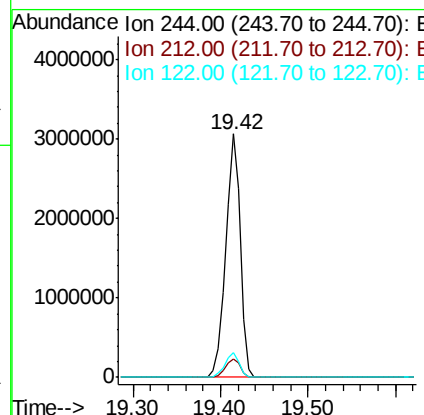
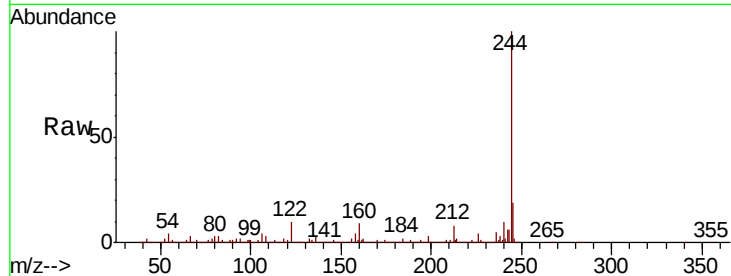
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:244 Resp: 3534338

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.2	8.2	12.4

Manual Integrations
 APPROVED

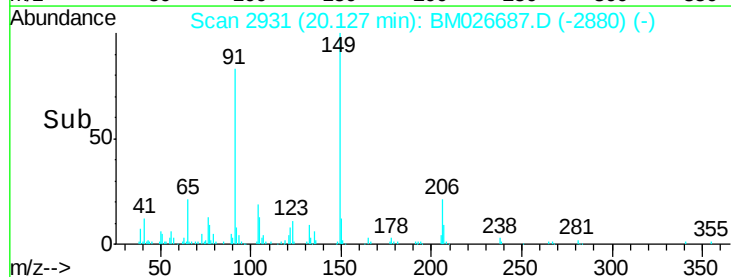
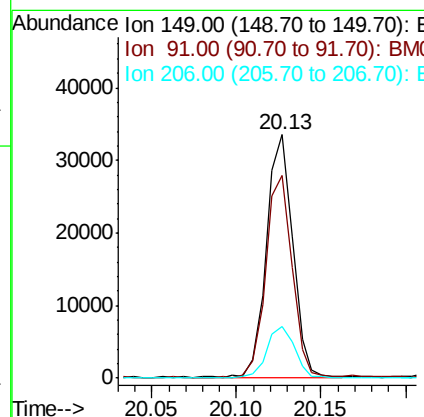
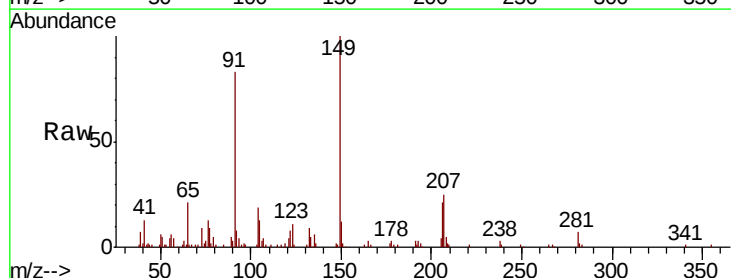
mohammad
 7/9/2020 10:56:38 AM

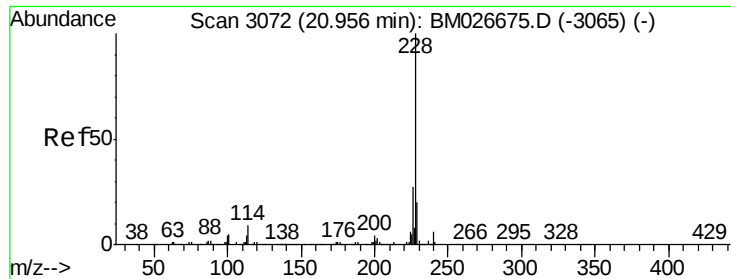


#80
 Butylbenzylphthalate
 Concen: 2.801 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion:149 Resp: 36639

Ion	Ratio	Lower	Upper
149	100		
91	83.4	67.6	101.4
206	21.3	16.7	25.1





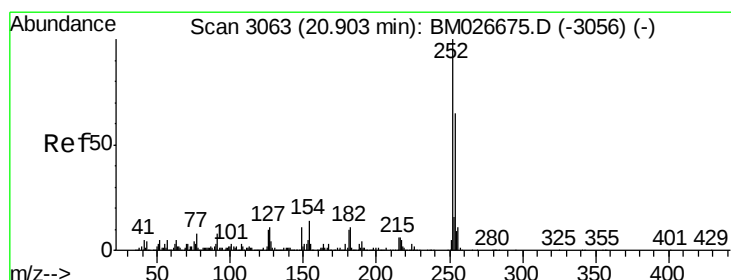
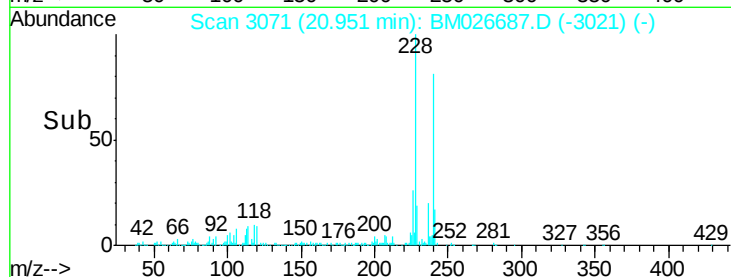
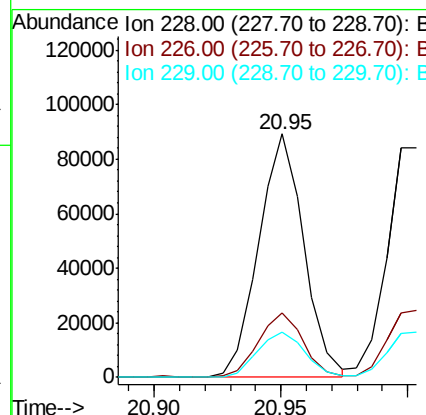
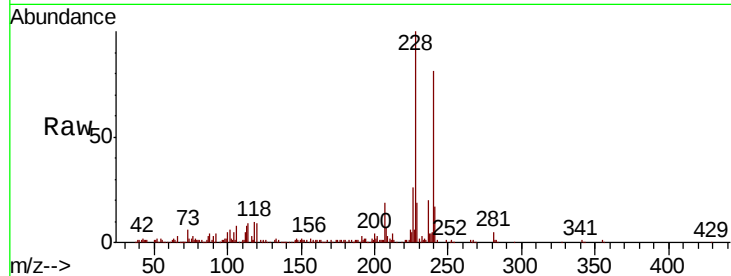
#81
Benzo(a)anthracene
Concen: 3.580 ng
RT: 20.95 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.4	32.2
229	18.7	15.6	23.4

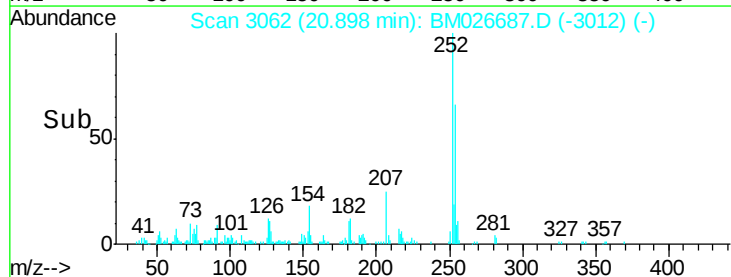
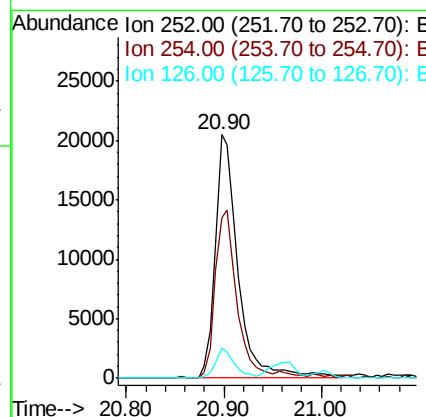
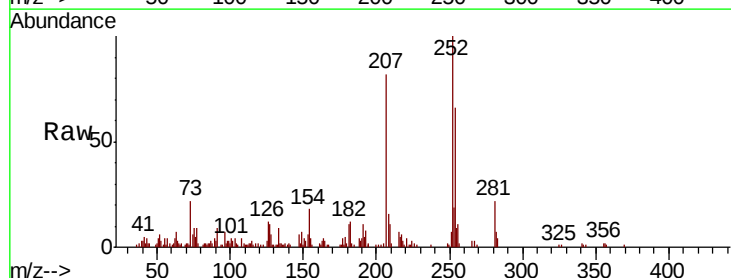
Manual Integrations
APPROVED

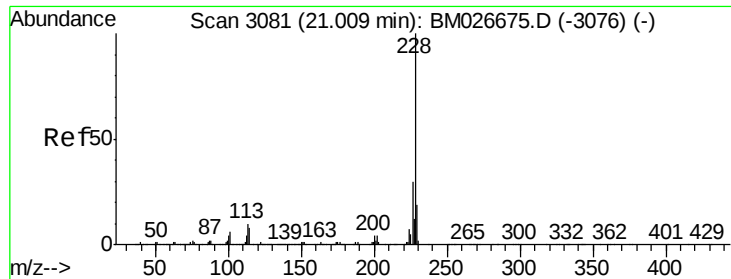
mohammad
7/9/2020 10:56:38 AM



#82
3,3'-Dichlorobenzidine
Concen: 3.384 ng
RT: 20.90 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.9	77.9
126	12.3	8.2	12.2#





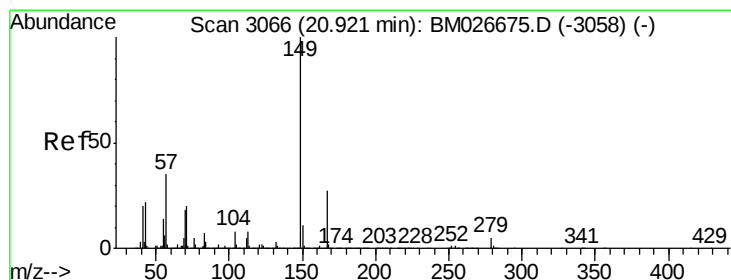
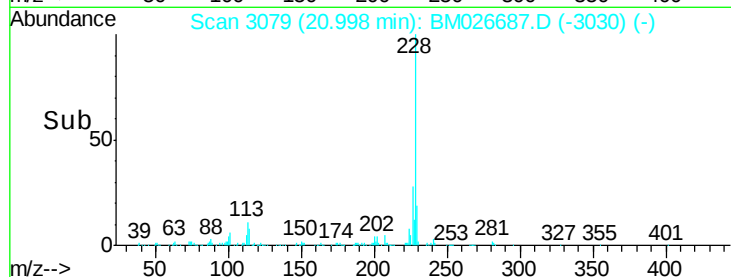
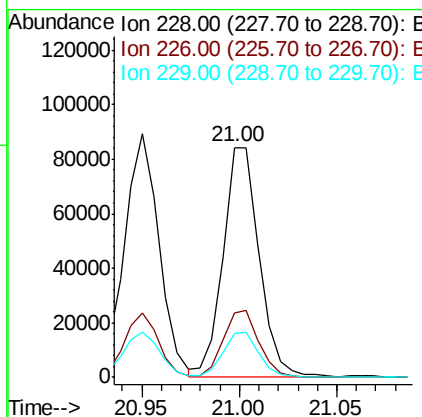
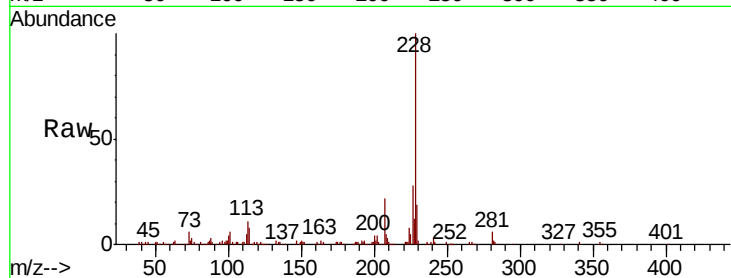
#83
Chrysene
Concen: 3.565 ng
RT: 21.00 min Scan# 3079
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.7	35.5
229	19.4	15.4	23.0

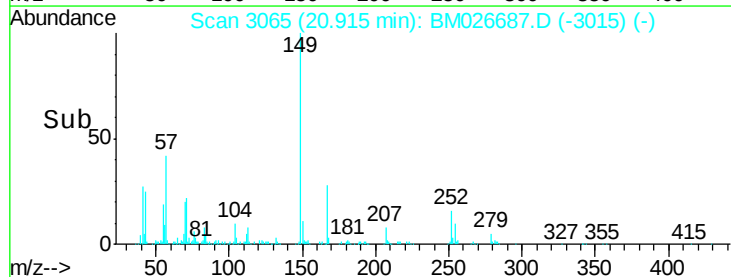
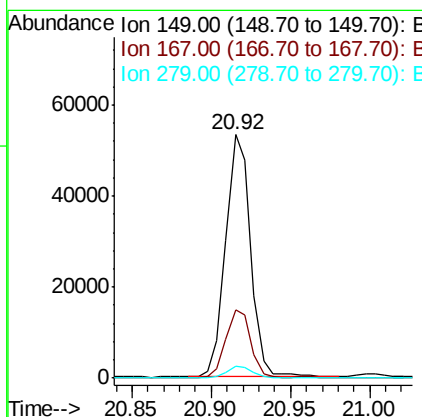
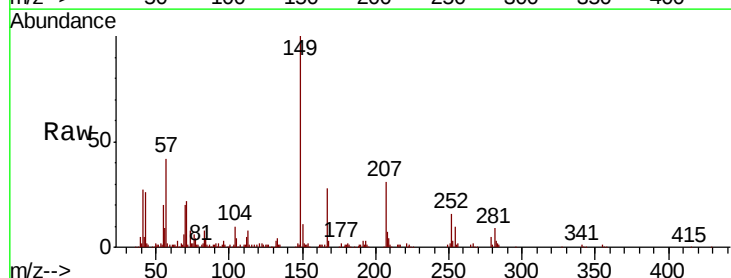
Manual Integrations
APPROVED

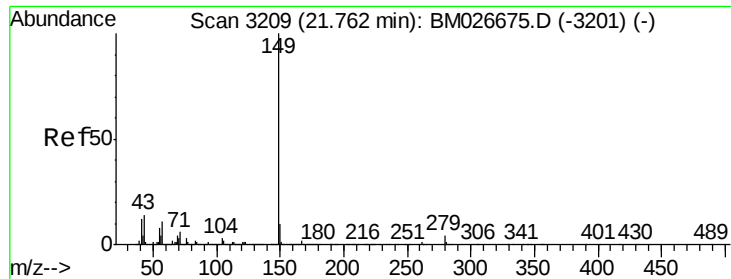
mohammad
7/9/2020 10:56:38 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.766 ng
RT: 20.92 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.9	32.9
279	4.8	3.7	5.5





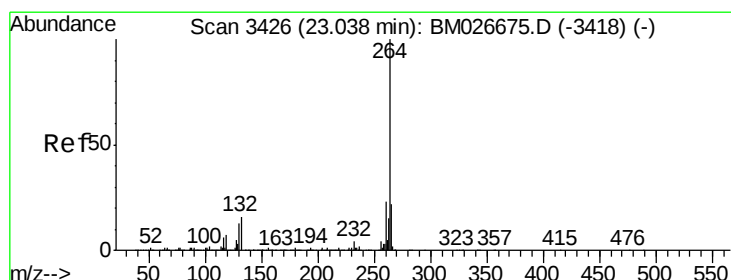
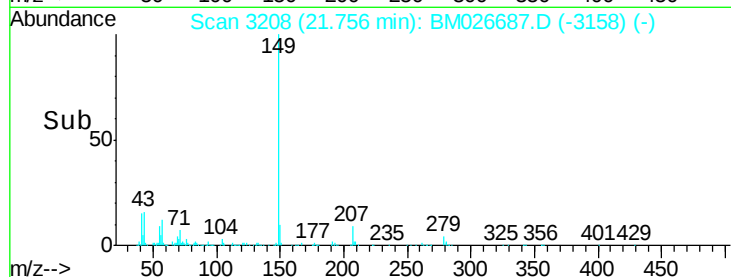
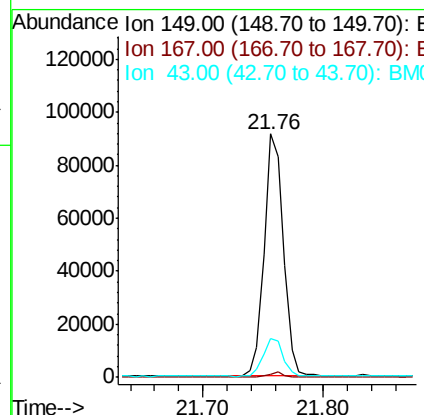
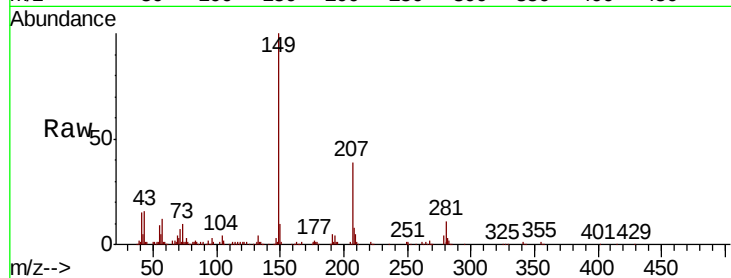
#85
Di-n-octyl phthalate
Concen: 2.862 ng
RT: 21.76 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	102506		
167	1.6		1.3	1.9
43	16.2		11.2	16.8

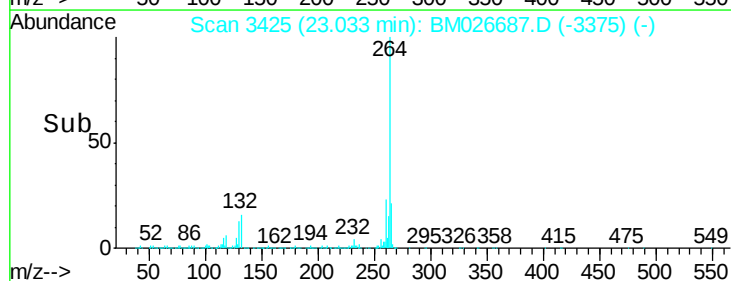
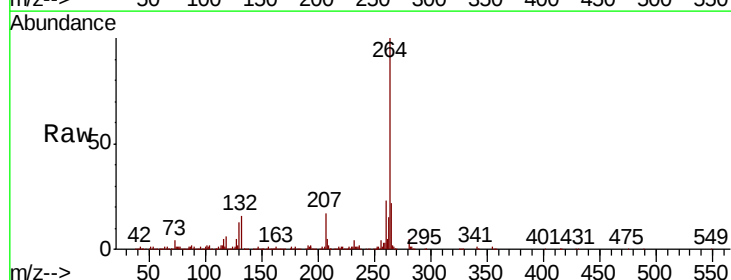
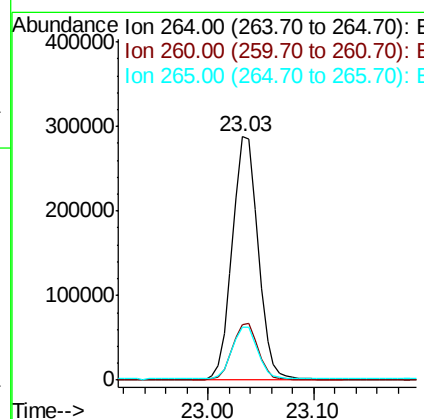
Manual Integrations
APPROVED

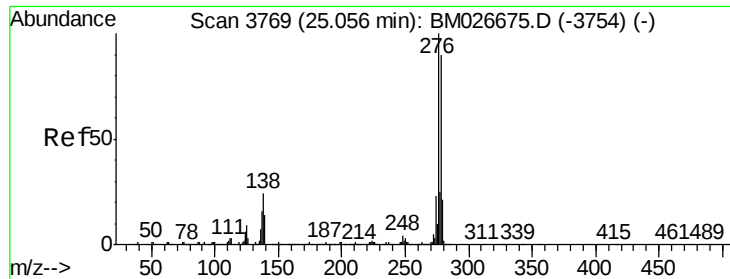
mohammad
7/9/2020 10:56:38 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.03 min Scan# 3425
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	492162		
260	22.7		18.2	27.2
265	21.8		17.6	26.4





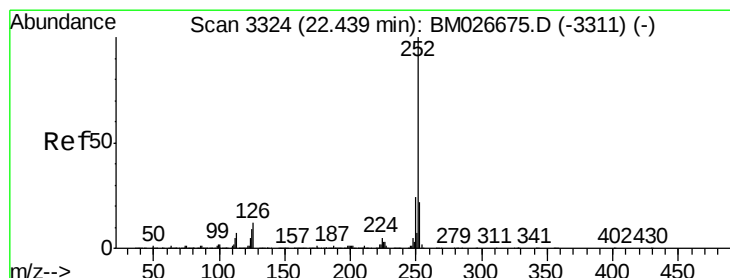
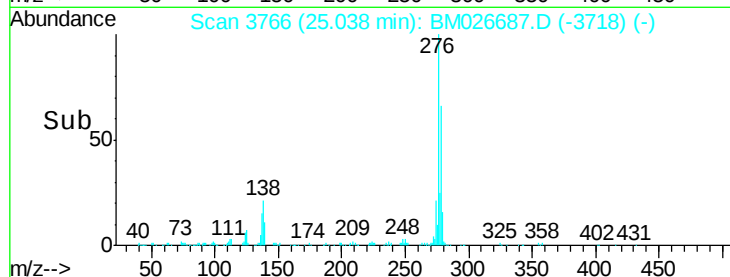
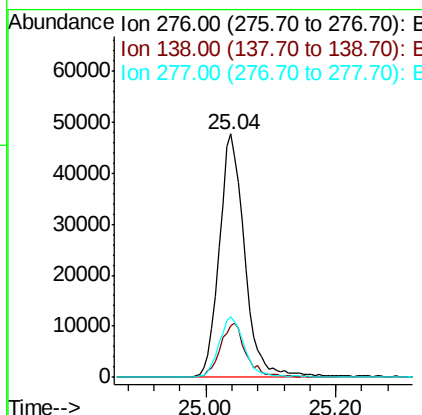
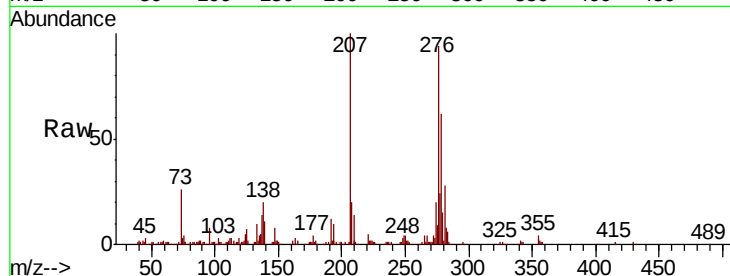
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.679 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.02 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.4	27.6
277	24.7	20.0	30.0

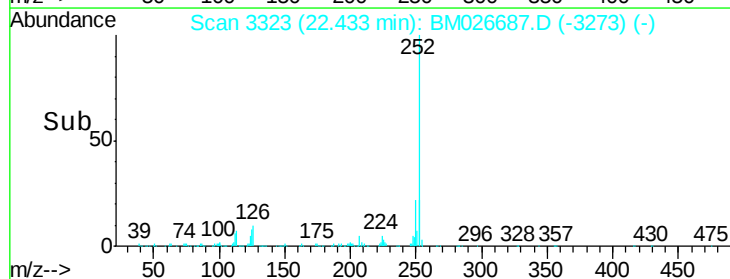
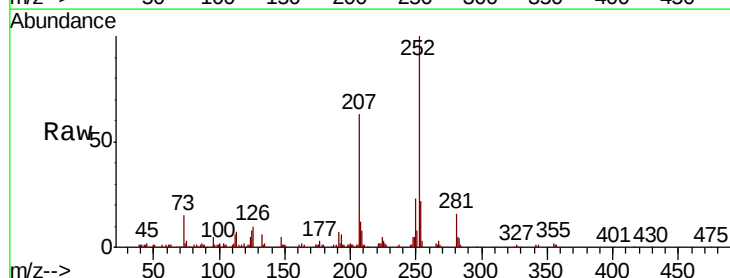
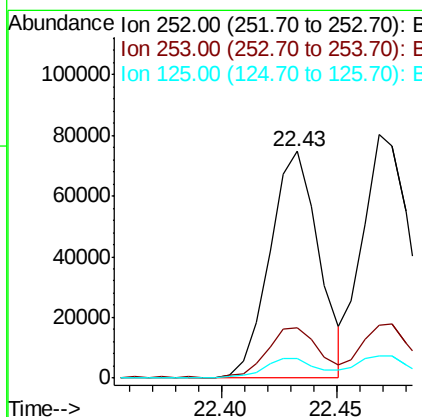
Manual Integrations
 APPROVED

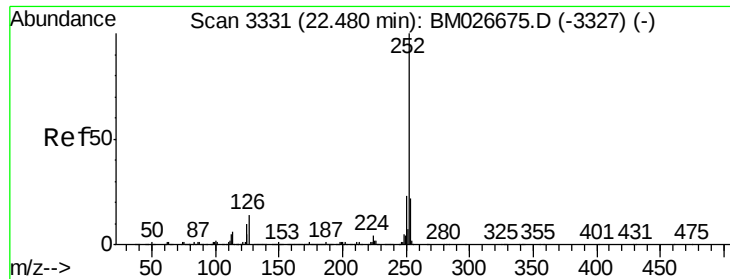
mohammad
 7/9/2020 10:56:38 AM



#88
 Benzo(b)fluoranthene
 Concen: 3.399 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026687.D
 Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.4	7.5	11.3





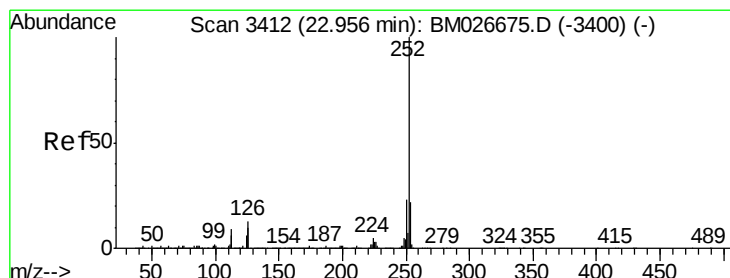
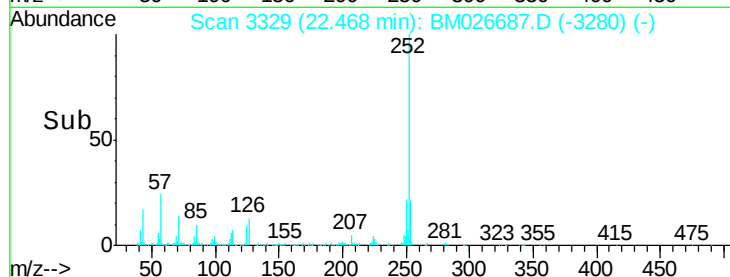
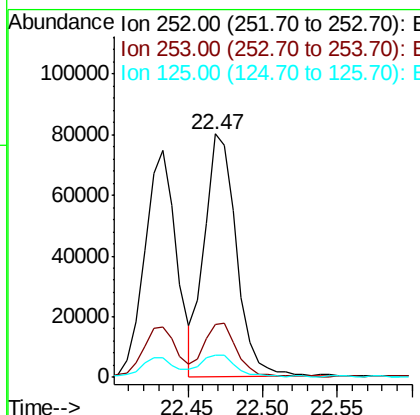
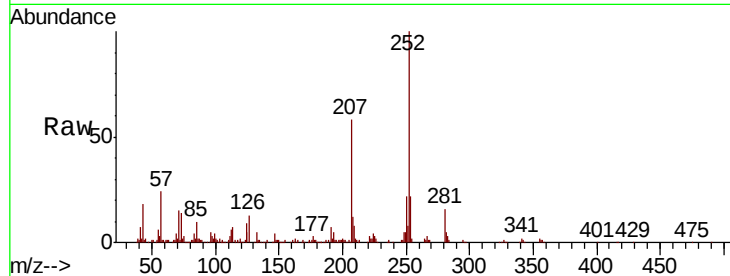
#89
Benzo(k)fluoranthene
Concen: 3.717 ng
RT: 22.47 min Scan# 3329
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.3	7.8	11.8

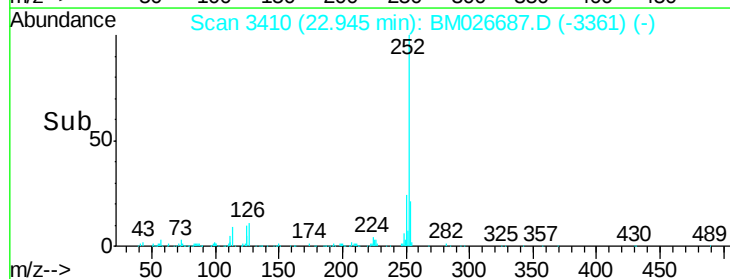
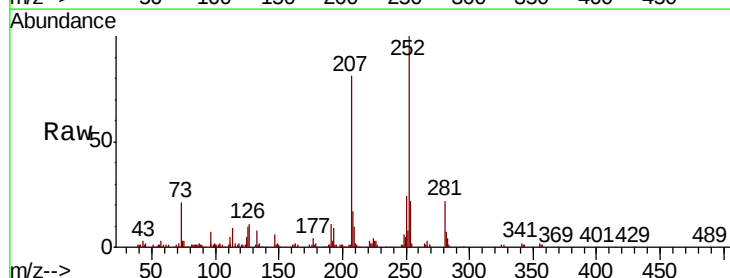
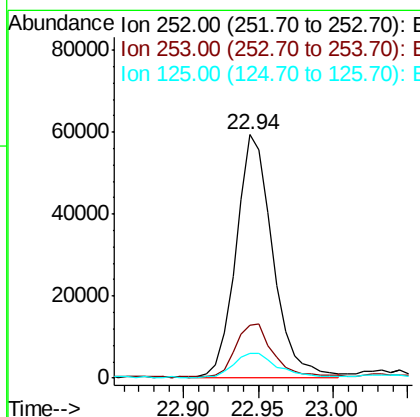
Manual Integrations
APPROVED

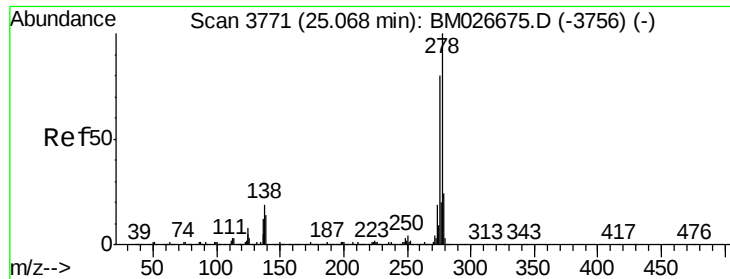
mohammad
7/9/2020 10:56:38 AM



#90
Benzo(a)pyrene
Concen: 3.348 ng
RT: 22.94 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	10.2	8.2	12.4





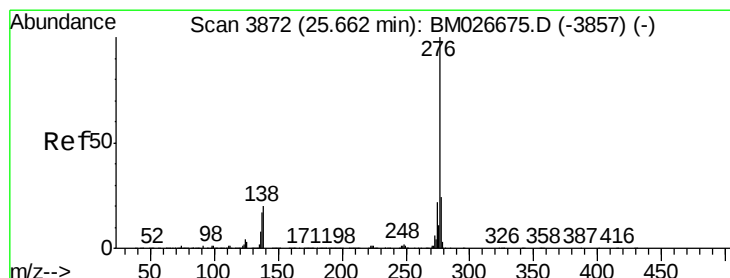
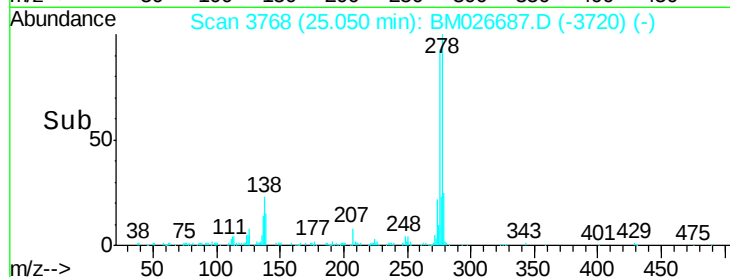
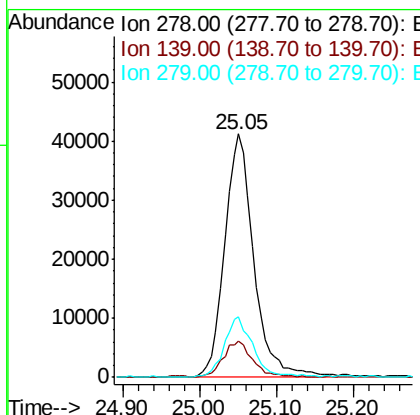
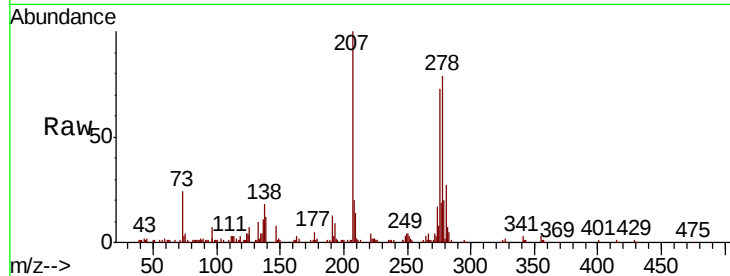
#91
Dibenzo(a,h)anthracene
Concen: 3.685 ng
RT: 25.05 min Scan# 3768
Delta R.T. -0.02 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.2	16.8
279	24.8	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:38 AM



#92
Benzo(g,h,i)perylene
Concen: 3.934 ng
RT: 25.65 min Scan# 3870
Delta R.T. -0.01 min
Lab File: BM026687.D
Acq: 07 Jul 2020 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	20.4	15.8	23.8

