

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061920\
 Data File : BM026464.D
 Acq On : 19 Jun 2020 11:07
 Operator : JU/CG
 Sample : L1161-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

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Quant Time: Jun 20 06:20:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 10:44:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	106162	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	446201	20.00	ng	0.00
39) Acenaphthene-d10	14.04	164	307960	20.00	ng	0.00
64) Phenanthrene-d10	16.80	188	678054	20.00	ng	0.00
76) Chrysene-d12	21.02	240	619212	20.00	ng	0.00
86) Perylene-d12	23.11	264	549531	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.02	112	969196	161.41	ng	0.00
7) Phenol-d6	6.60	99	1420010	163.32	ng	0.00
23) Nitrobenzene-d5	8.54	82	1036511	114.06	ng	0.00
42) 2,4,6-Tribromophenol	15.56	330	712921	191.11	ng	0.00
45) 2-Fluorobiphenyl	12.66	172	2290460	112.90	ng	0.00
79) Terphenyl-d14	19.46	244	3860014	121.01	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.00	88	21538	7.956	ng	96
3) Pyridine	3.41	79	48668	6.121	ng	93
4) n-Nitrosodimethylamine	3.32	42	31374	7.969	ng	# 88
6) Aniline	6.73	93	83435	7.316	ng	97
8) 2-Chlorophenol	6.96	128	51076	7.375	ng	95
9) Benzaldehyde	6.55	77	57294	10.334	ng	95
10) Phenol	6.62	94	66149	7.144	ng	93
11) bis(2-Chloroethyl)ether	6.84	93	53635	7.191	ng	97
12) 1,3-Dichlorobenzene	7.28	146	55611	7.252	ng	99
13) 1,4-Dichlorobenzene	7.42	146	57452	7.356	ng	97
14) 1,2-Dichlorobenzene	7.73	146	55484	7.272	ng	98
15) Benzyl Alcohol	7.64	79	48278	6.539	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.92	45	104528	7.504	ng	98
17) 2-Methylphenol	7.85	107	42925	6.343	ng	97
18) Hexachloroethane	8.45	117	21357	7.220	ng	98
19) n-Nitroso-di-n-propylamine	8.20	70	52318	7.722	ng	97
20) 3+4-Methylphenols	8.18	107	57672	6.252	ng	97
22) Acetophenone	8.21	105	90372	7.877	ng	# 93
24) Nitrobenzene	8.58	77	76418	8.033	ng	98
25) Isophorone	9.10	82	131642	7.711	ng	99
26) 2-Nitrophenol	9.28	139	25549	6.786	ng	# 87
27) 2,4-Dimethylphenol	9.36	122	37208	6.260	ng	90
28) bis(2-Chloroethoxy)methane	9.59	93	77288	7.979	ng	99
29) 2,4-Dichlorophenol	9.82	162	45965	7.049	ng	98
30) 1,2,4-Trichlorobenzene	10.02	180	54874	7.674	ng	96
31) Naphthalene	10.20	128	173187	7.702	ng	99
32) Benzoic acid	9.47	122	13274m	3.006	ng	
33) 4-Chloroaniline	10.33	127	65368	6.665	ng	99
34) Hexachlorobutadiene	10.49	225	34855	7.721	ng	96
35) Caprolactam	11.10	113	17642	7.700	ng	97
36) 4-Chloro-3-methylphenol	11.47	107	59293	7.462	ng	95
37) 2-Methylnaphthalene	11.82	142	125992	7.863	ng	98
38) 1-Methylnaphthalene	12.05	142	123016	8.104	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.21	216	68977	7.868	ng	99

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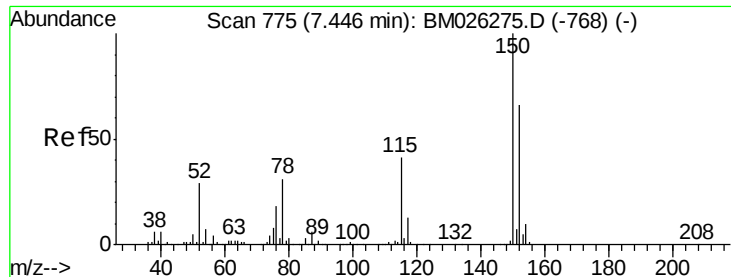
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.19	237	17516	3.391	ng	97
43) 2,4,6-Trichlorophenol	12.46	196	39673	6.686	ng	98
44) 2,4,5-Trichlorophenol	12.54	196	44364	6.441	ng	95
46) 1,1'-Biphenyl	12.87	154	176083	8.156	ng	99
47) 2-Chloronaphthalene	12.90	162	126027	7.186	ng	99
48) 2-Nitroaniline	13.12	65	44715	6.434	ng	91
49) Acenaphthylene	13.76	152	208206	7.423	ng	99
50) Dimethylphthalate	13.52	163	171800	7.627	ng	99
51) 2,6-Dinitrotoluene	13.63	165	35869	7.257	ng	95
52) Acenaphthene	14.11	154	125594	7.459	ng	98
53) 3-Nitroaniline	13.97	138	30199	5.487	ng	94
54) 2,4-Dinitrophenol	14.19	184	10778	3.588	ng	# 84
55) Dibenzofuran	14.45	168	205913	7.589	ng	99
56) 4-Nitrophenol	14.32	139	20112	4.608	ng	99
57) 2,4-Dinitrotoluene	14.44	165	47194	6.867	ng	# 85
58) Fluorene	15.10	166	165209	7.497	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.69	232	42690	7.247	ng	98
60) Diethylphthalate	14.90	149	173046	7.542	ng	99
61) 4-Chlorophenyl-phenylether	15.11	204	87243	7.464	ng	97
62) 4-Nitroaniline	15.14	138	30171m	5.140	ng	
63) Azobenzene	15.40	77	190591	7.593	ng	98
65) 4,6-Dinitro-2-methylphenol	15.21	198	22336	5.417	ng	84
66) n-Nitrosodiphenylamine	15.33	169	146124	7.439	ng	97
67) 4-Bromophenyl-phenylether	16.00	248	53125	7.117	ng	97
68) Hexachlorobenzene	16.12	284	60560	7.775	ng	97
69) Atrazine	16.30	200	57170	9.742	ng	96
70) Pentachlorophenol	16.47	266	24481	5.219	ng	97
71) Phenanthrene	16.84	178	271386	7.686	ng	100
72) Anthracene	16.93	178	263813	7.486	ng	99
73) Carbazole	17.22	167	228325	6.832	ng	99
74) Di-n-butylphthalate	17.80	149	283490	7.193	ng	99
75) Fluoranthene	18.87	202	310804	7.678	ng	99
77) Benzidine	19.07	184	103521	8.049	ng	98
78) Pyrene	19.24	202	325635	7.959	ng	99
80) Butylbenzylphthalate	20.17	149	119279	7.209	ng	98
81) Benzo(a)anthracene	21.00	228	301334	8.107	ng	99
82) 3,3'-Dichlorobenzidine	20.94	252	104751	9.109	ng	99
83) Chrysene	21.05	228	288555	8.147	ng	100
84) Bis(2-ethylhexyl)phthalate	20.97	149	176569	7.485	ng	99
85) Di-n-octyl phthalate	21.81	149	267392	7.347	ng	97
87) Indeno(1,2,3-cd)pyrene	25.14	276	234733	7.384	ng	99
88) Benzo(b)fluoranthene	22.49	252	257146	7.779	ng	99
89) Benzo(k)fluoranthene	22.53	252	250523	7.801	ng	99
90) Benzo(a)pyrene	23.01	252	213628	7.276	ng	99
91) Dibenzo(a,h)anthracene	25.15	278	193951	7.308	ng	98
92) Benzo(g,h,i)perylene	25.76	276	194061	7.684	ng	98

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



#1

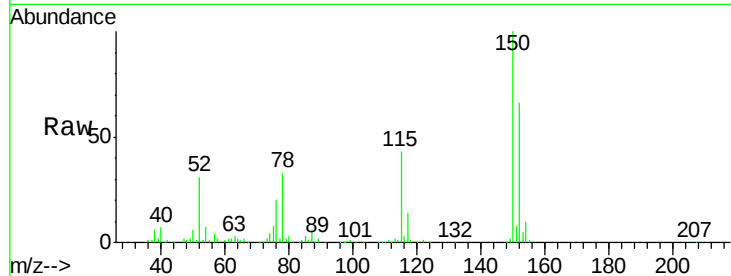
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 765
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

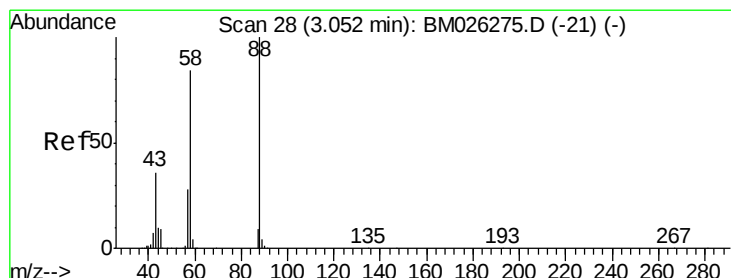
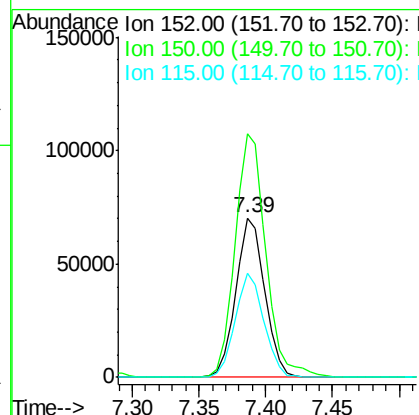
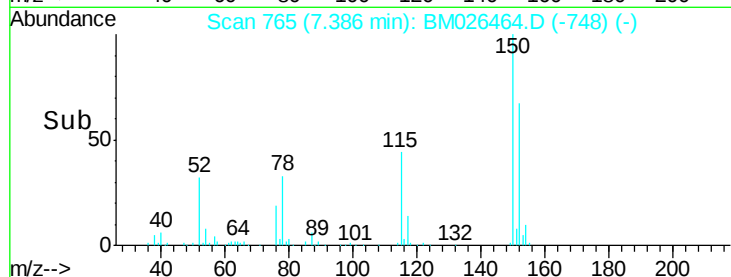
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.8	191.6
115	65.2	51.5	77.3

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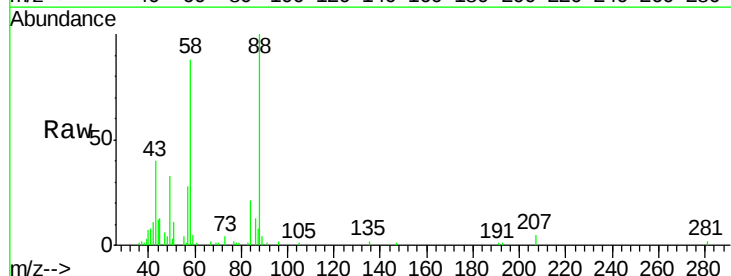
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



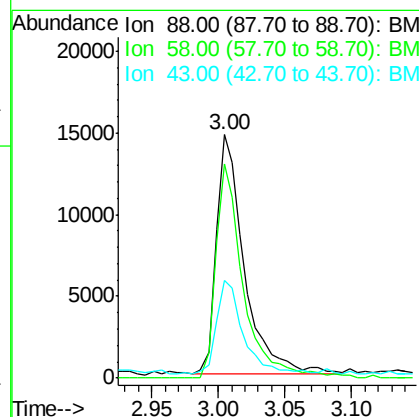
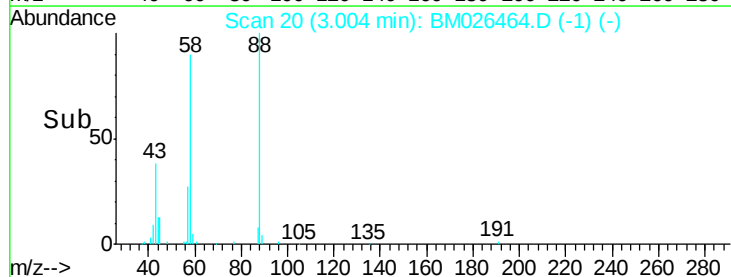
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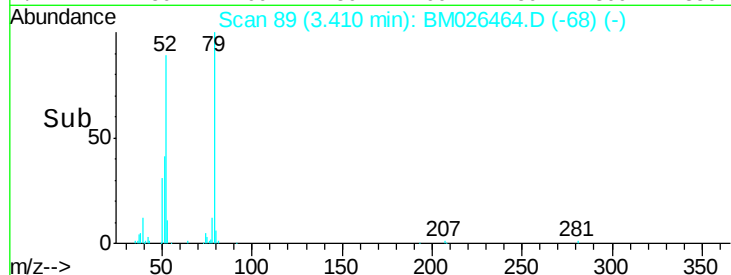
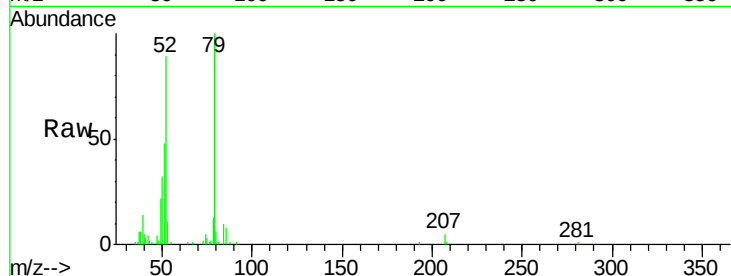
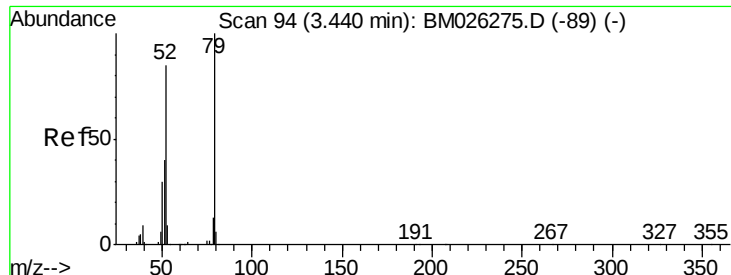
1,4-Dioxane
Concen: 7.956 ng
RT: 3.00 min Scan# 20
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.3	67.7	101.5
43	37.7	28.0	42.0



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





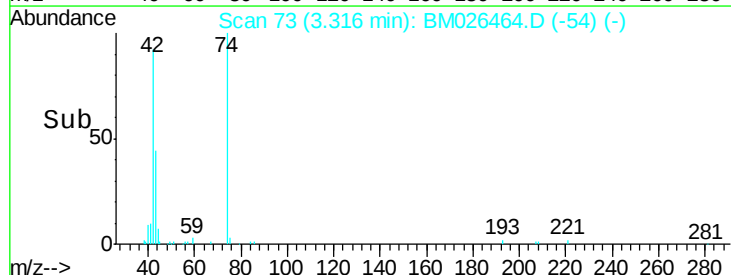
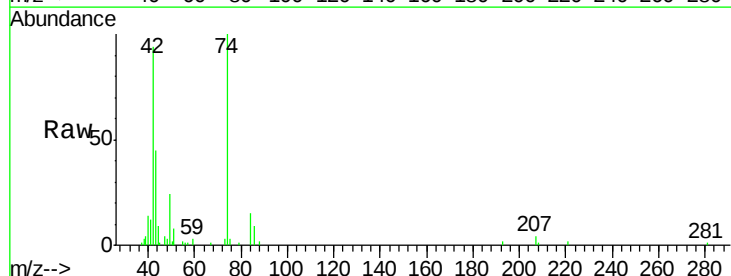
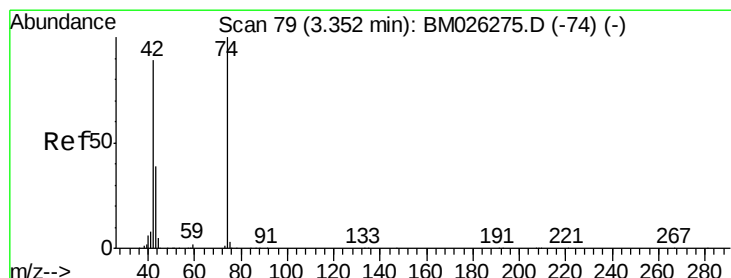
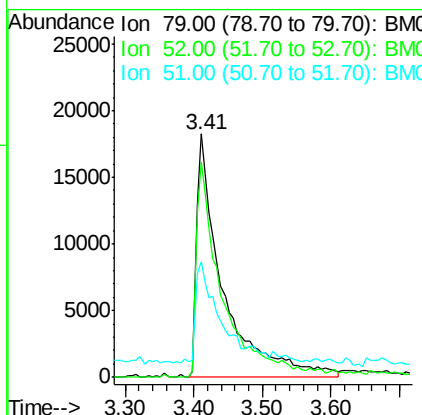
#3
Pvridine
Concen: 6.121 ng
RT: 3.41 min Scan# 89
Delta R.T. 0.02 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100			
52	52	88.7		67.4	101.2
51	51	47.6		33.0	49.6

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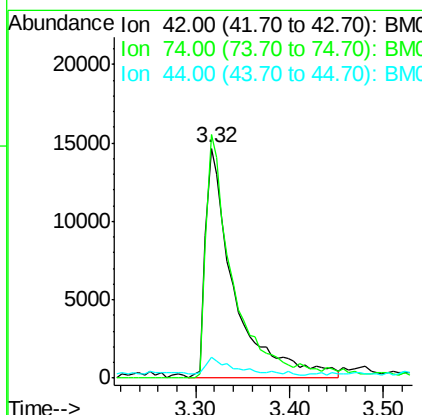
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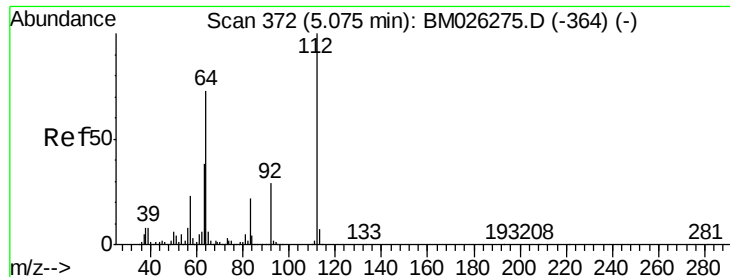
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#4
n-Nitrosodimethylamine
Concen: 7.969 ng
RT: 3.32 min Scan# 73
Delta R.T. 0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100			
74	74	106.0		95.4	143.2
44	44	9.3		5.9	8.9#





#5

2-Fluorophenol

Concen: 161.411 ng

RT: 5.02 min Scan# 363

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

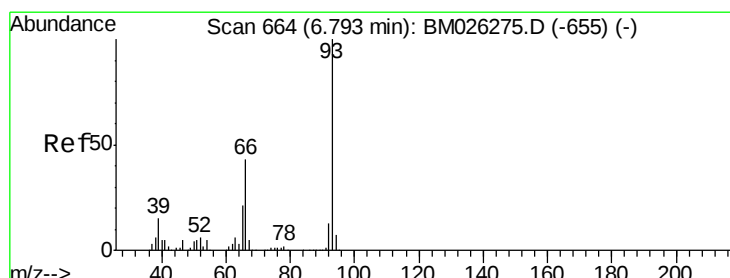
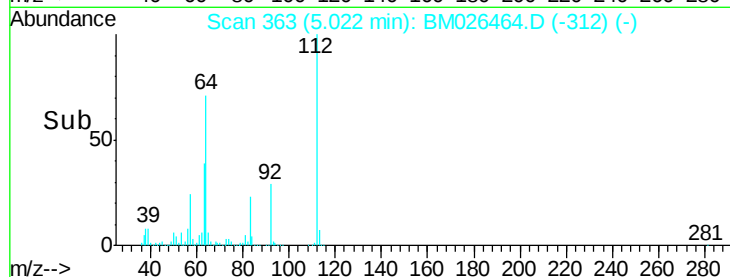
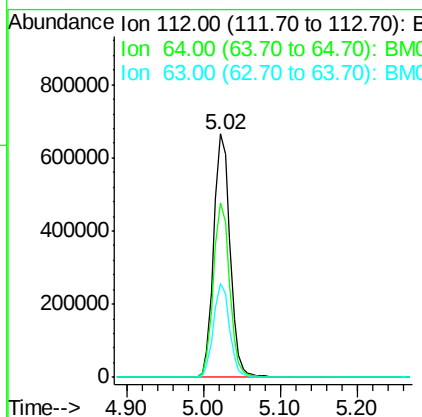
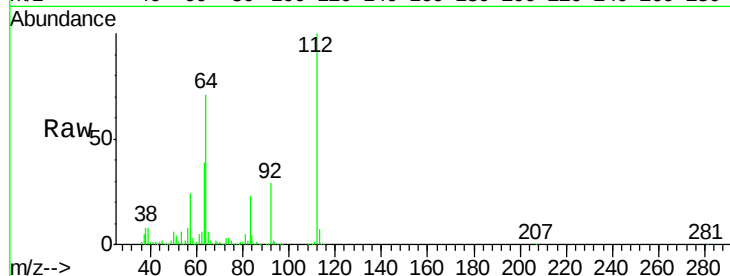
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	112	Resp:	969196
Ion Ratio	Lower	Upper	
112	100		
64	71.4	56.0	84.0
63	38.6	29.0	43.6

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#6

Aniline

Concen: 7.316 ng

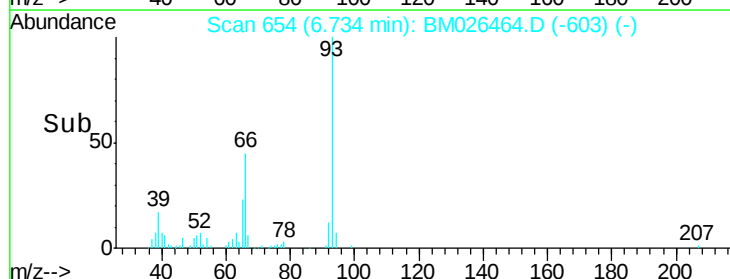
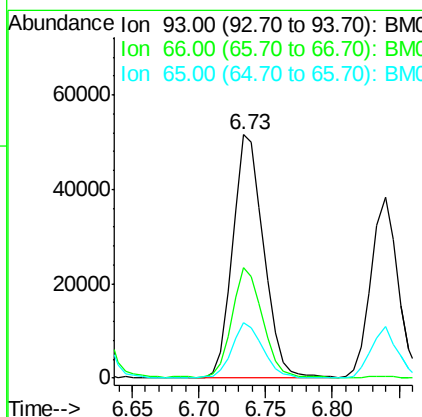
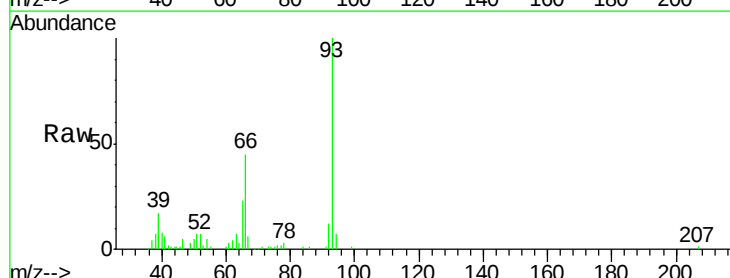
RT: 6.73 min Scan# 654

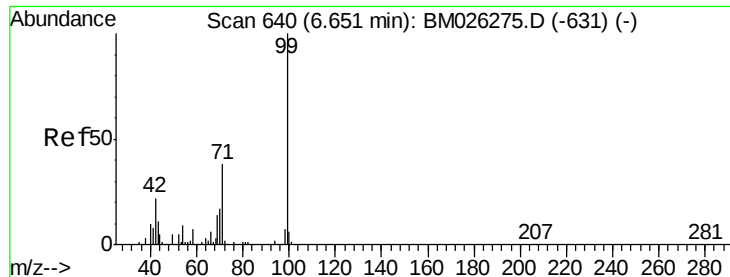
Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion:	93	Resp:	83435
Ion Ratio	Lower	Upper	
93	100		
66	45.2	34.1	51.1
65	22.9	17.5	26.3





#7

Phenol-d6

Concen: 163.316 ng

RT: 6.60 min Scan# 631

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 99 Resp: 1420010

Ion Ratio Lower Upper

99 100

42 23.7 17.8 26.6

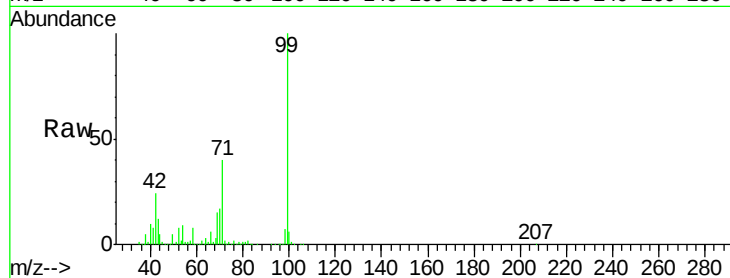
71 39.7 31.0 46.4

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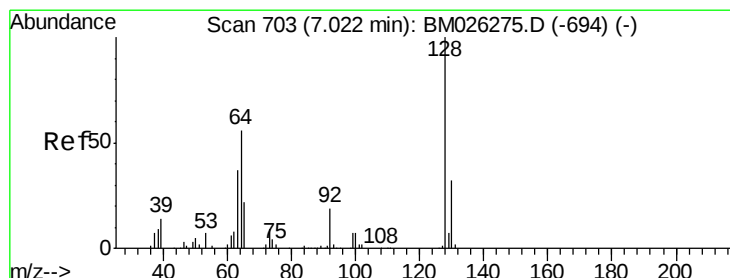
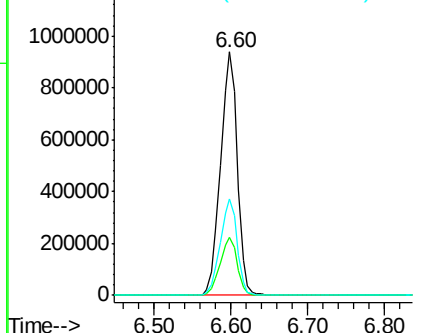
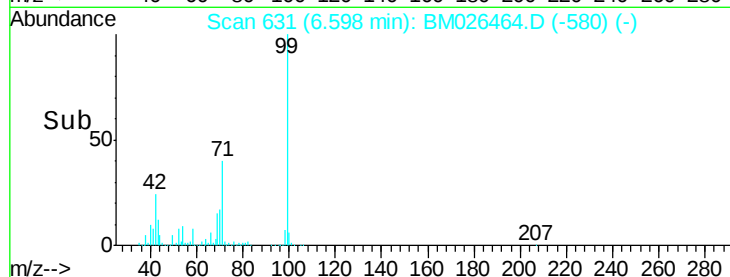
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Abundance Ion 99.00 (98.70 to 99.70): BM026464.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026464.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026464.D (-631) (-)



#8

2-Chlorophenol

Concen: 7.375 ng

RT: 6.96 min Scan# 693

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

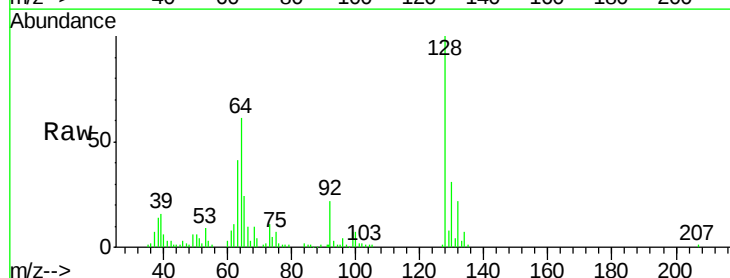
Tgt Ion:128 Resp: 51076

Ion Ratio Lower Upper

128 100

130 31.4 12.3 52.3

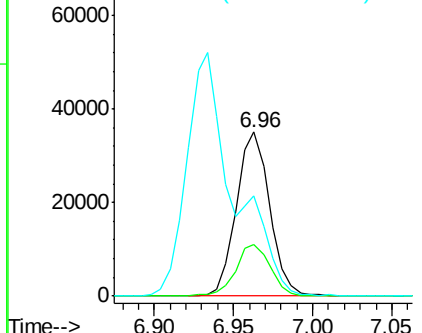
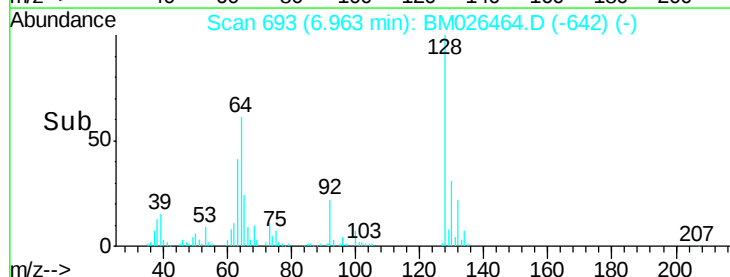
64 60.9 36.4 76.4

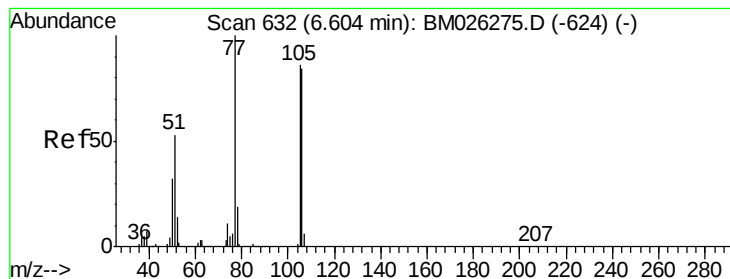


Abundance Ion 128.00 (127.70 to 128.70): BM026464.D (-694) (-)

Ion 130.00 (129.70 to 130.70): BM026464.D (-694) (-)

Ion 64.00 (63.70 to 64.70): BM026464.D (-694) (-)





#9

Benzaldehyde

Concen: 10.334 ng

RT: 6.55 min Scan# 623

Delta R.T. 0.01 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

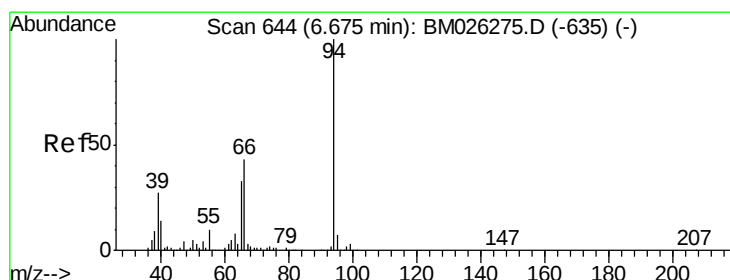
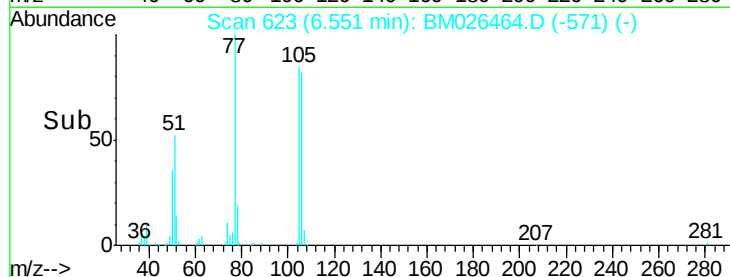
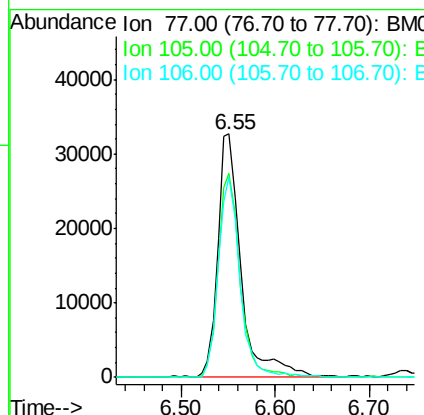
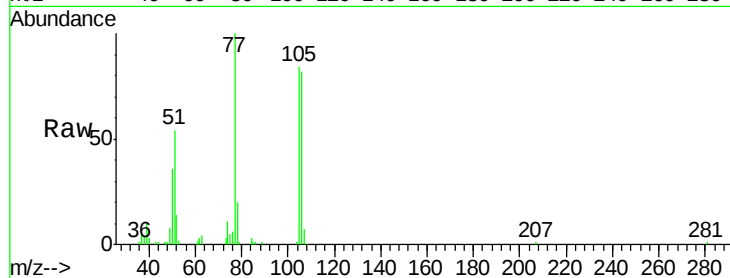
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	77	Resp:	57294
Ion	Ratio	Lower	Upper
77	100		
105	84.0	71.5	111.5
106	82.1	64.7	104.7

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#10

Phenol

Concen: 7.144 ng

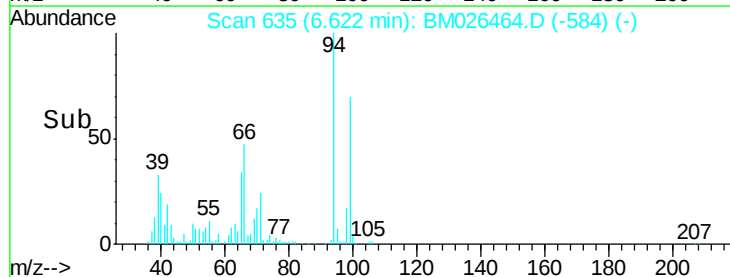
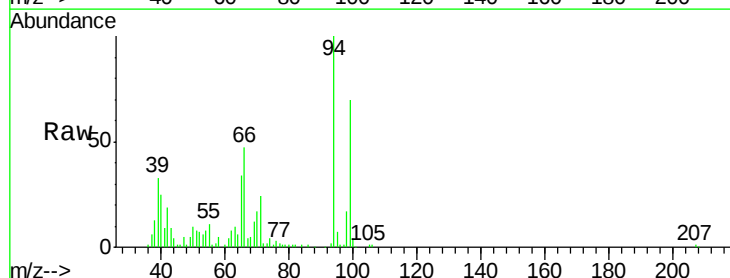
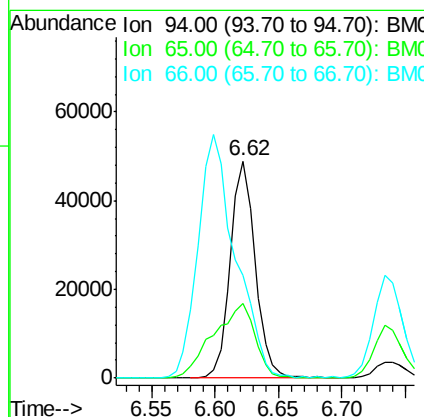
RT: 6.62 min Scan# 635

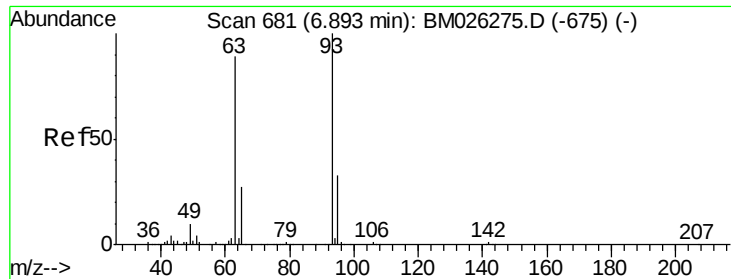
Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion:	94	Resp:	66149
Ion	Ratio	Lower	Upper
94	100		
65	34.4	11.4	51.4
66	47.3	21.7	61.7





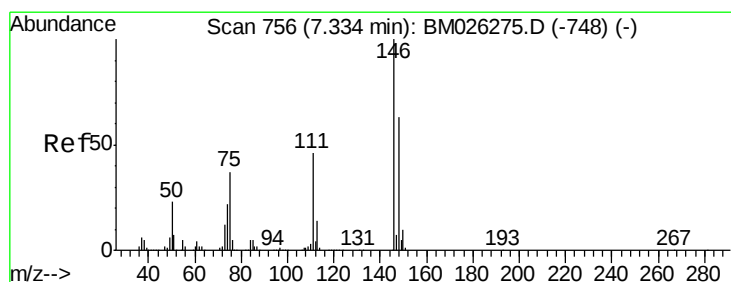
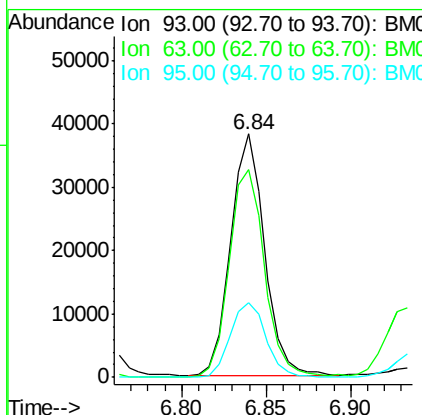
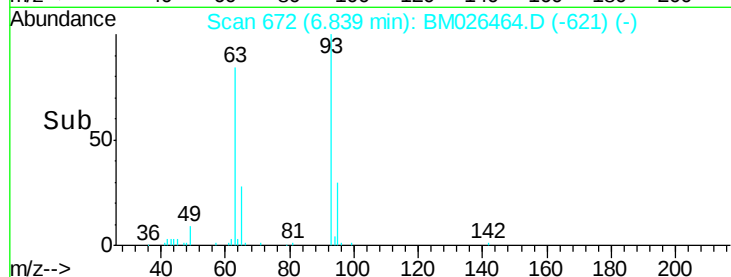
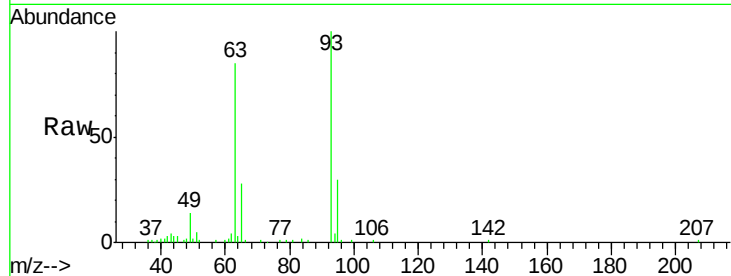
#11
bis(2-Chloroethyl)ether
Concen: 7.191 ng
RT: 6.84 min Scan# 672
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	85.4	66.7	106.7
95	30.5	14.5	54.5

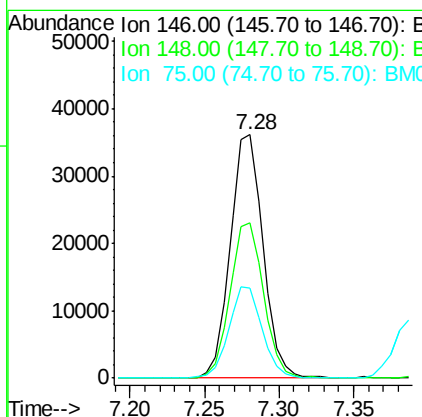
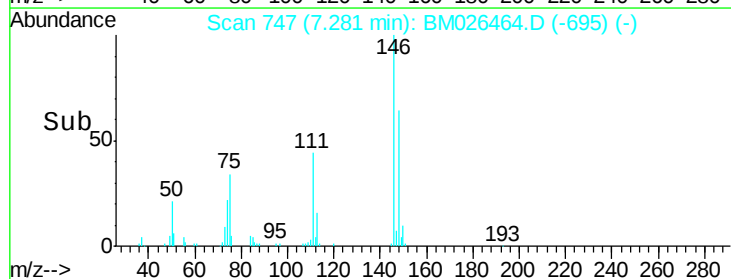
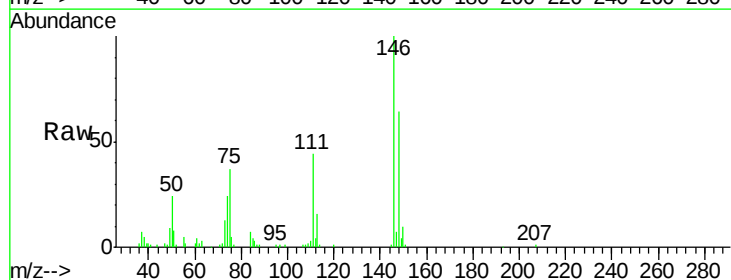
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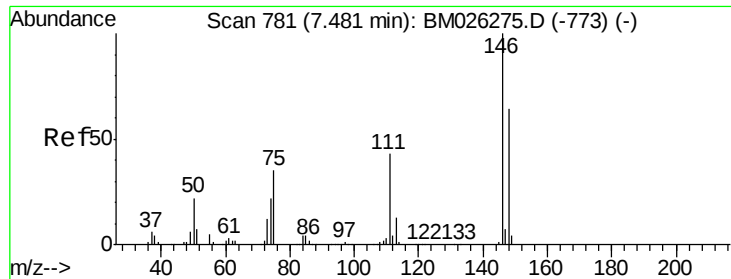
mohammad
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#12
1,3-Dichlorobenzene
Concen: 7.252 ng
RT: 7.28 min Scan# 747
Delta R.T. 0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.3	75.5
75	36.9	29.0	43.6





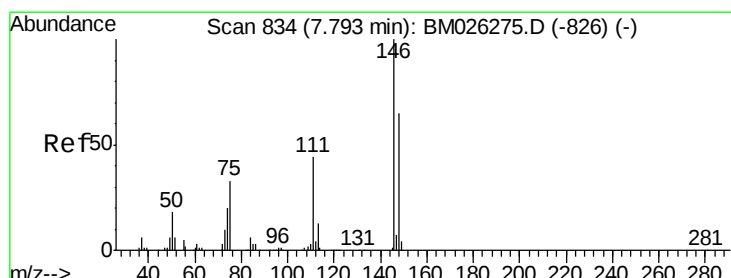
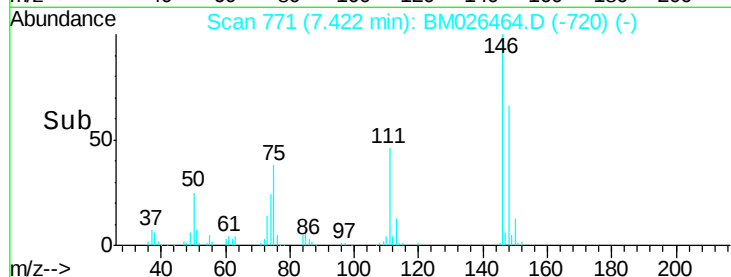
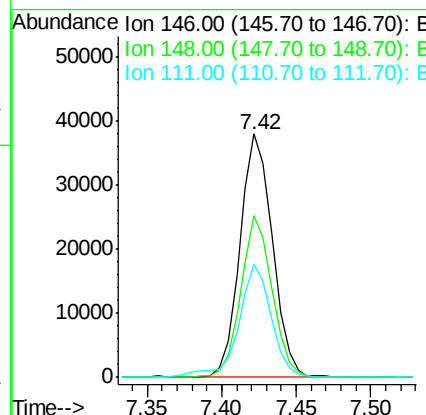
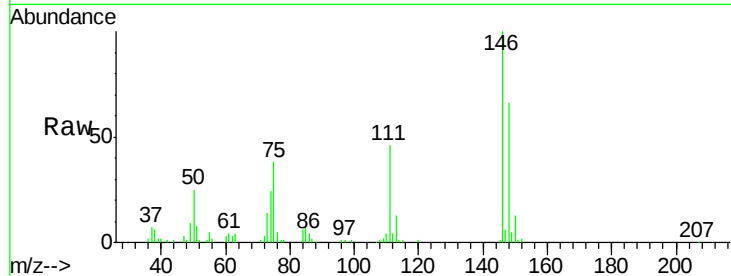
#13
1,4-Dichlorobenzene
Concen: 7.356 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.3	52.2	78.2
111	46.4	34.9	52.3

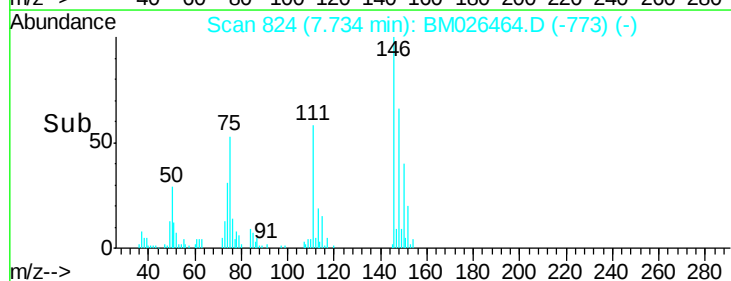
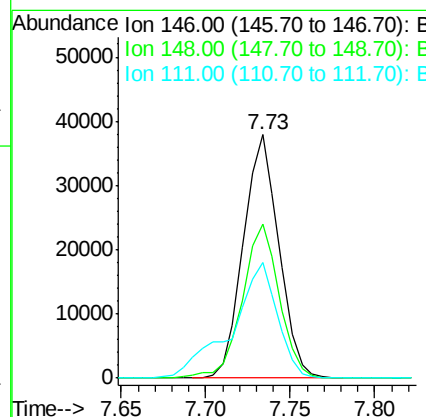
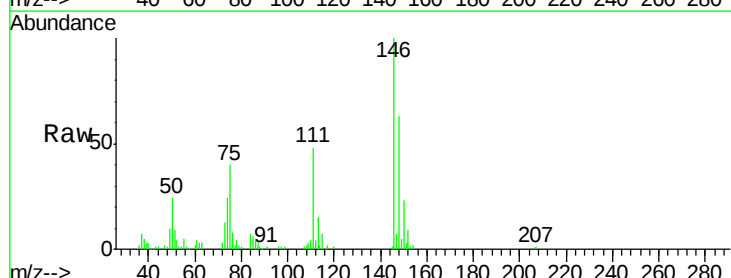
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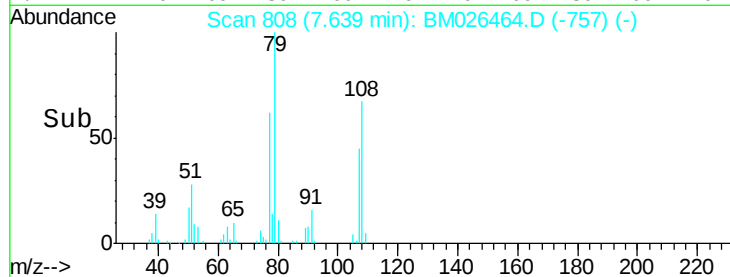
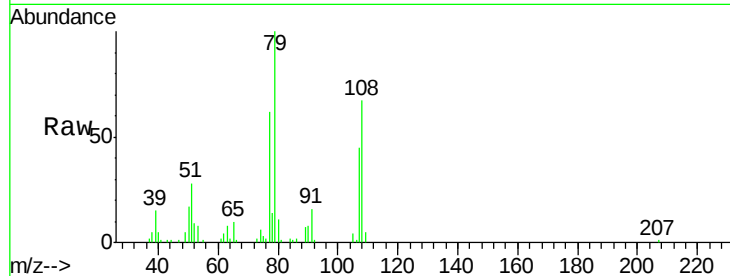
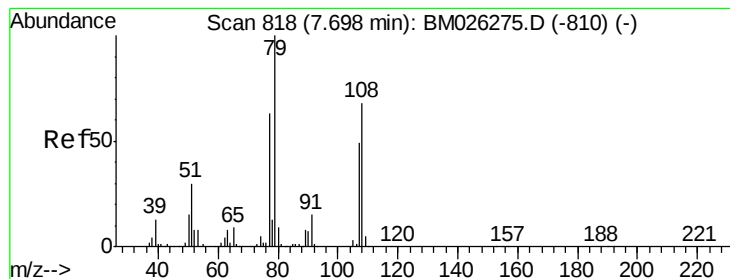
mohammad
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#14
1,2-Dichlorobenzene
Concen: 7.272 ng
RT: 7.73 min Scan# 824
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.8	76.2
111	47.6	35.4	53.0





#15

Benzyl Alcohol

Concen: 6.539 ng

RT: 7.64 min Scan# 808

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tot Ion:	79	Resp:	48278
Ion Ratio	Lower	Upper	
79	100		
108	67.4	54.6	82.0
77	61.7	51.0	76.4

Instrument :

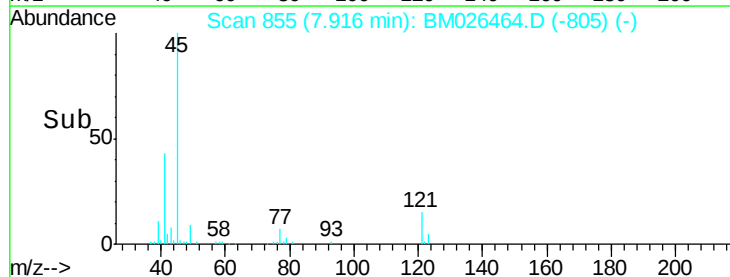
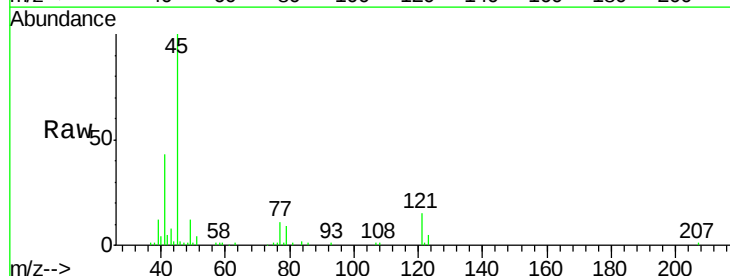
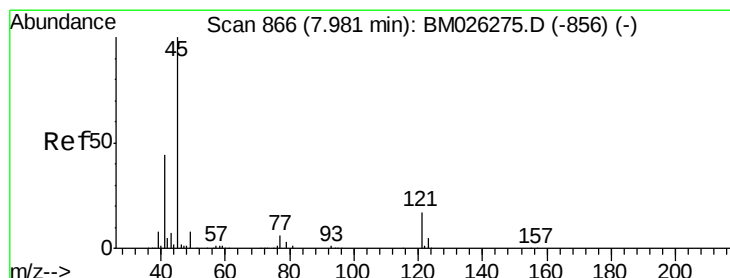
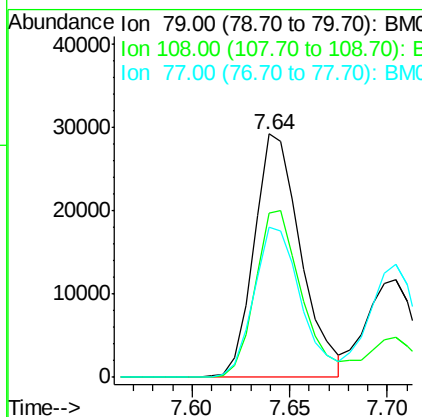
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.504 ng

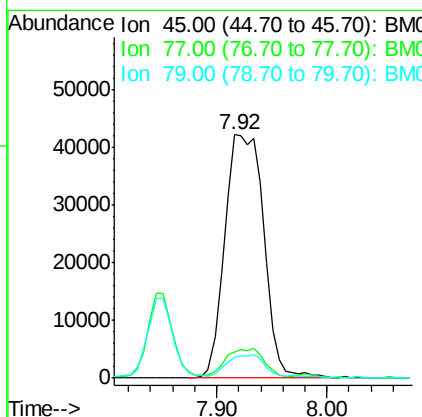
RT: 7.92 min Scan# 855

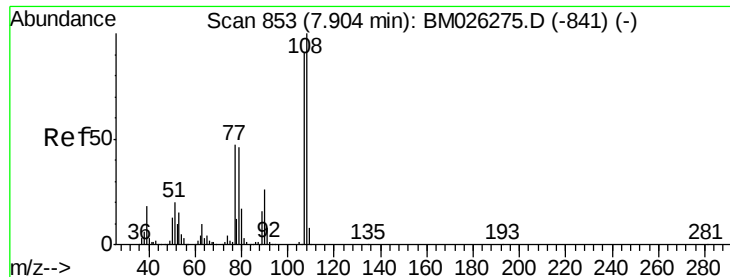
Delta R.T. -0.01 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion:	45	Resp:	104528
Ion Ratio	Lower	Upper	
45	100		
77	10.7	0.0	31.8
79	8.5	0.0	28.9





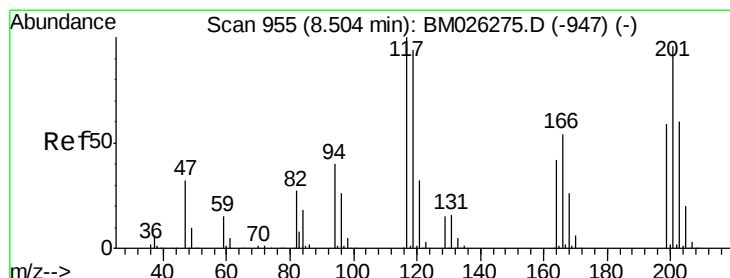
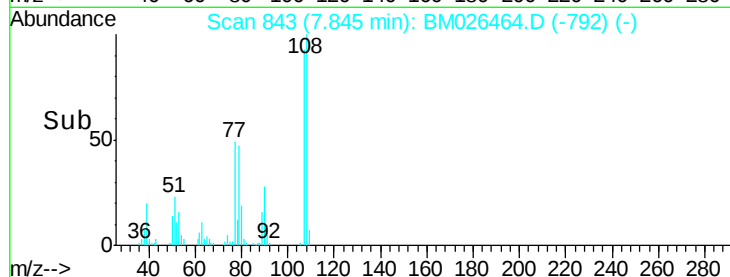
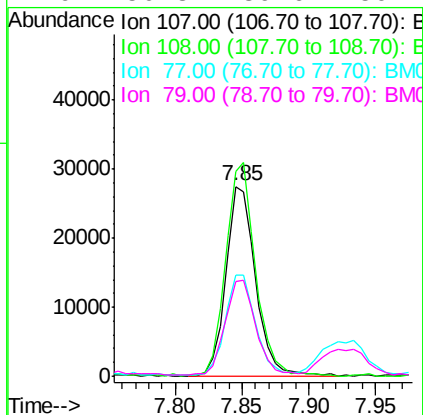
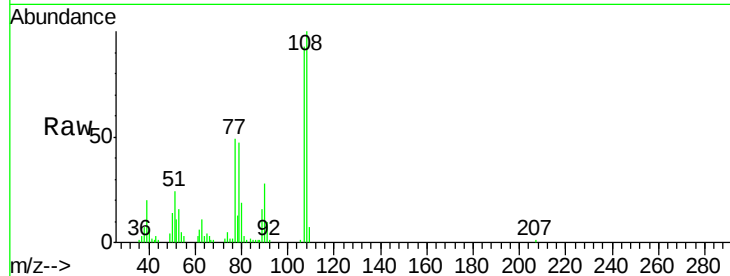
#17
2-Methylphenol
Concen: 6.343 ng
RT: 7.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
107	100		
108	108.0	88.5	132.7
77	53.4	40.6	60.8
79	50.3	39.6	59.4

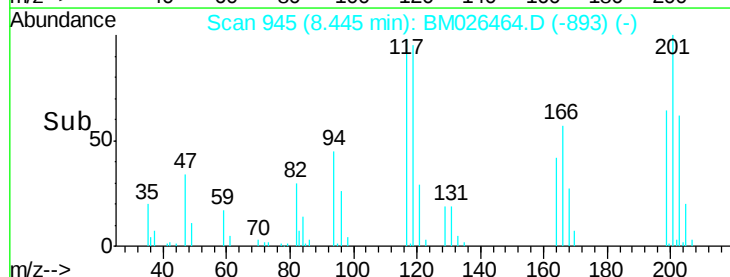
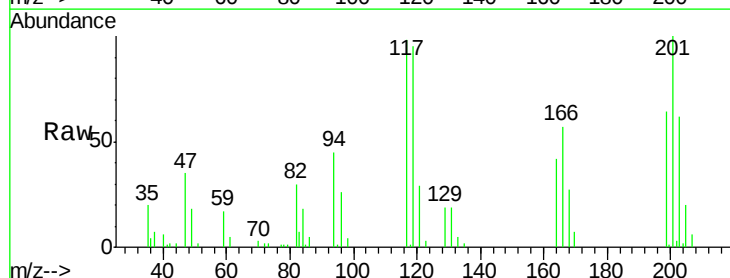
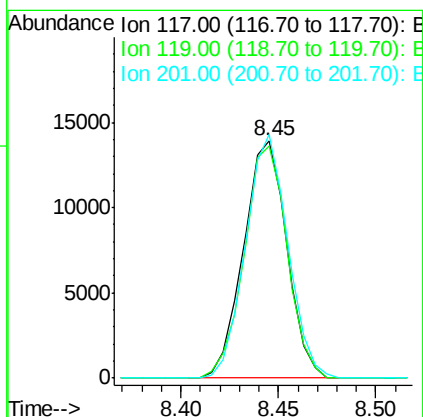
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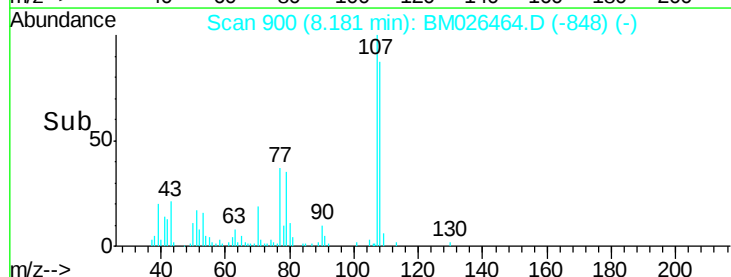
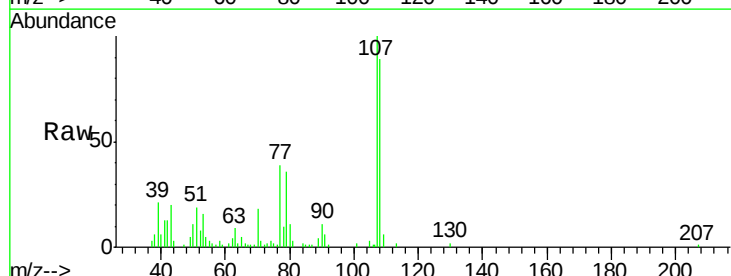
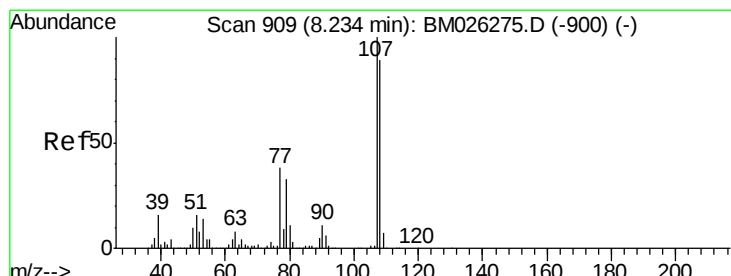
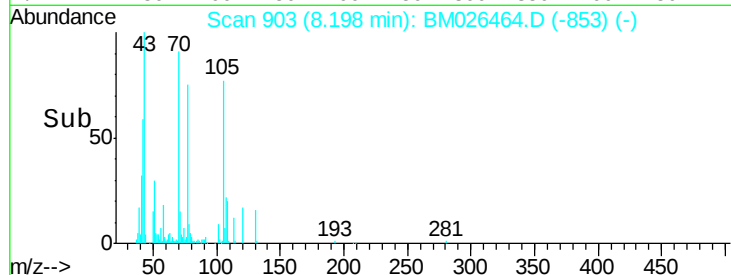
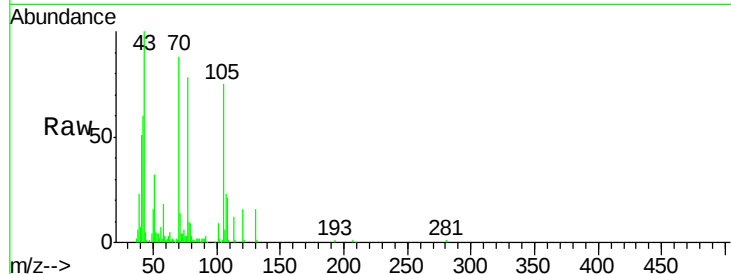
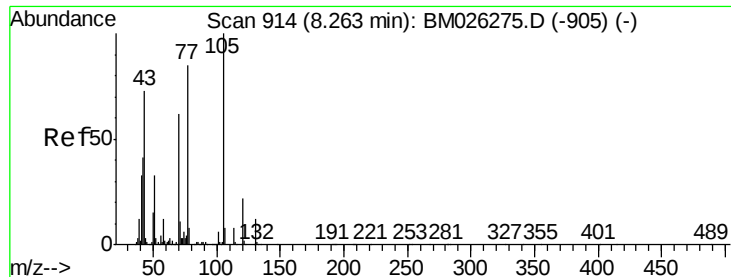
mohammad
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#18
Hexachloroethane
Concen: 7.220 ng
RT: 8.45 min Scan# 945
Delta R.T. 0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

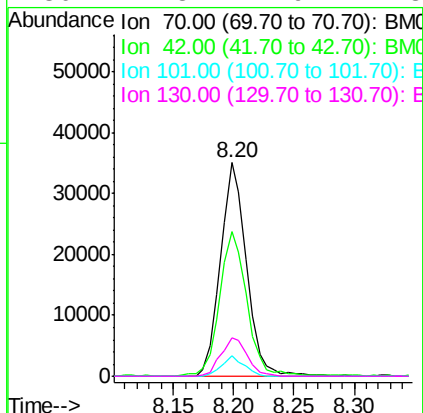
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.8	116.6
201	102.5	79.9	119.9





#19
n-Nitroso-di-n-propylamine
Concen: 7.722 ng
RT: 8.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tot Ion	70	Resp	52318
Ion Ratio	Lower	Upper	
70	100		
42	68.0	52.2	78.4
101	9.6	7.0	10.6
130	17.8	14.9	22.3



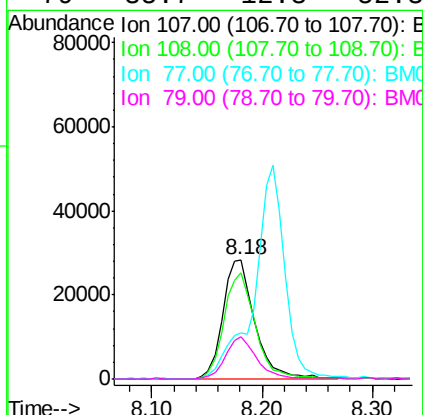
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

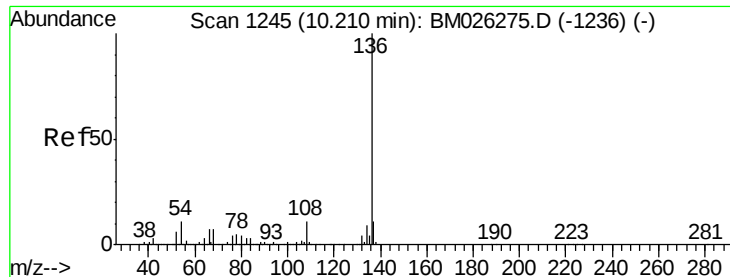
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#20
3+4-Methylphenols
Concen: 6.252 ng
RT: 8.18 min Scan# 900
Delta R.T. 0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	107	Resp	57672
Ion Ratio	Lower	Upper	
107	100		
108	89.2	70.4	110.4
77	38.9	17.3	57.3
79	35.7	12.3	52.3





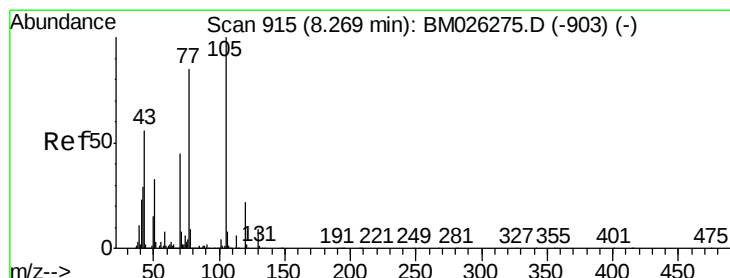
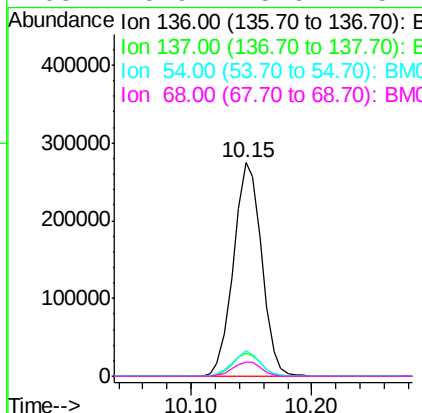
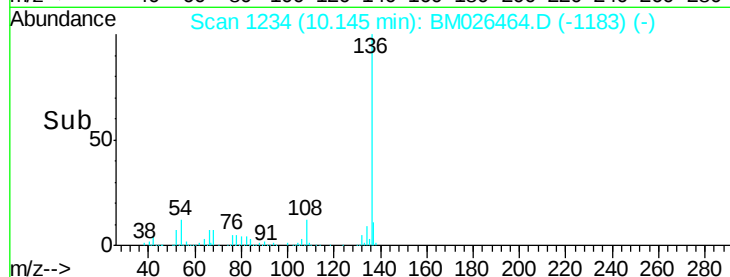
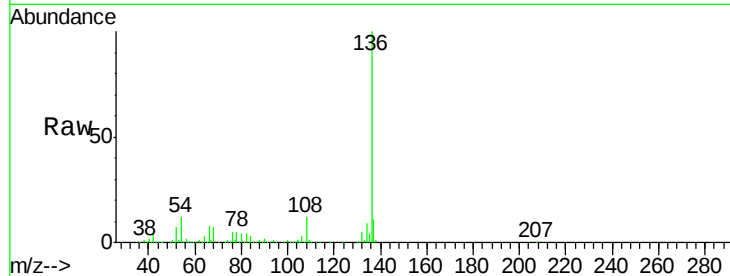
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.15 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	446201		
137	11.0	8.5	12.7	
54	11.8	9.0	13.6	
68	6.9	5.6	8.4	

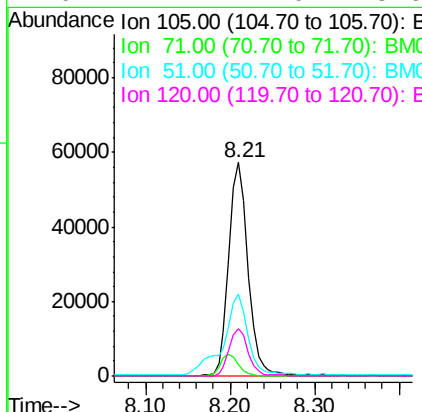
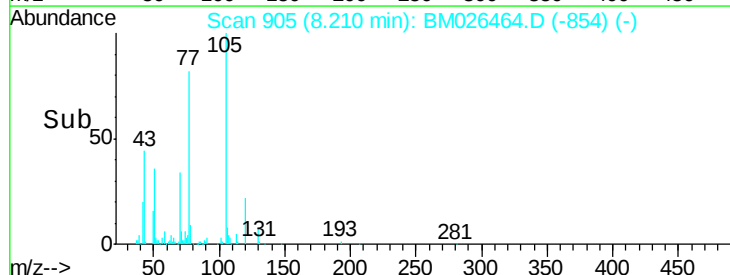
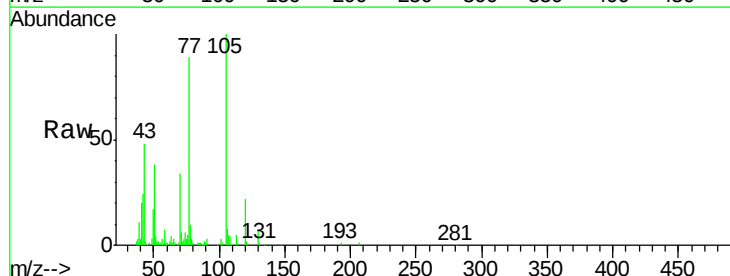
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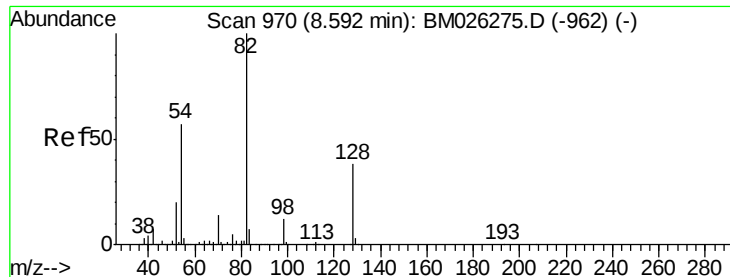
mohammad
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#22
Acetophenone
Concen: 7.877 ng
RT: 8.21 min Scan# 905
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	90372		
71	5.7	4.5	6.7	
51	38.3	25.2	37.8	
120	22.2	17.0	25.6	





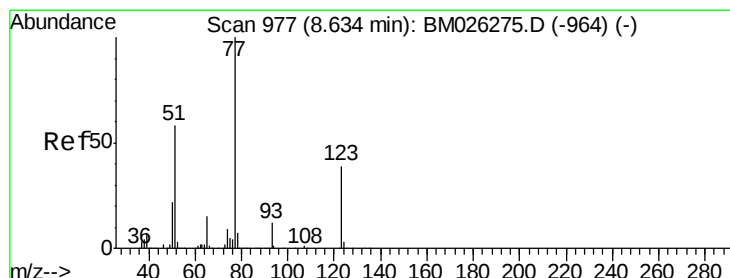
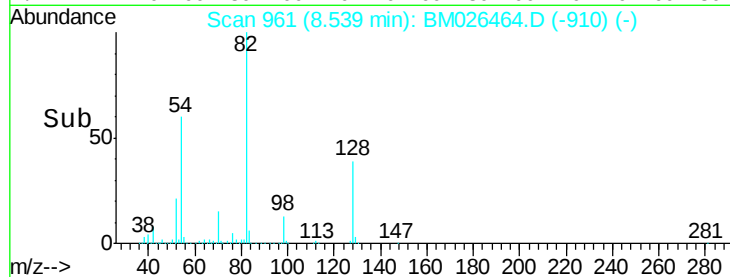
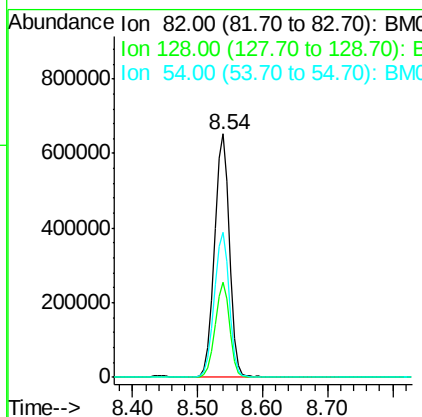
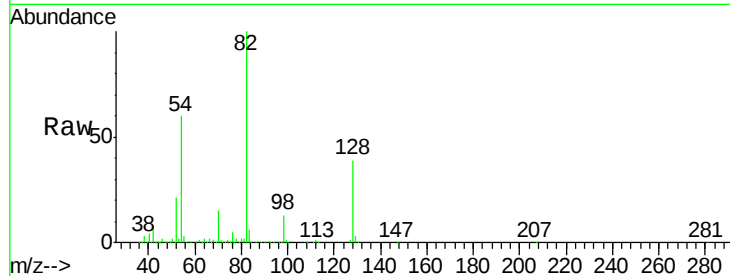
#23
 Nitrobenzene-d5
 Concen: 114.057 ng
 RT: 8.54 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.0	46.6
54	59.6	45.4	68.2

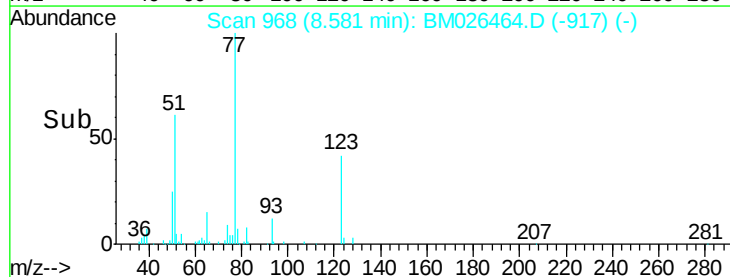
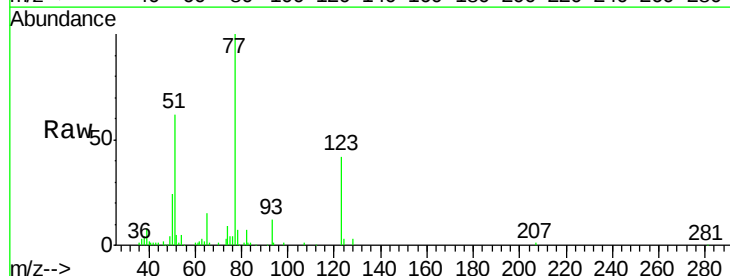
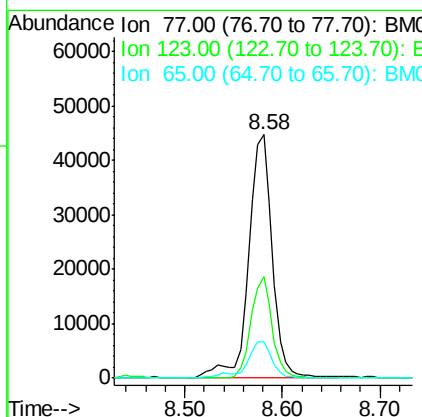
Manual Integrations
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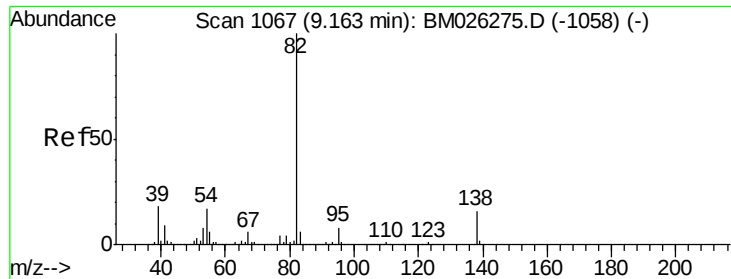
mohammad
 6/22/2020 3:23:10 PM



#24
 Nitrobenzene
 Concen: 8.033 ng
 RT: 8.58 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.9	32.0	48.0
65	14.7	11.8	17.8





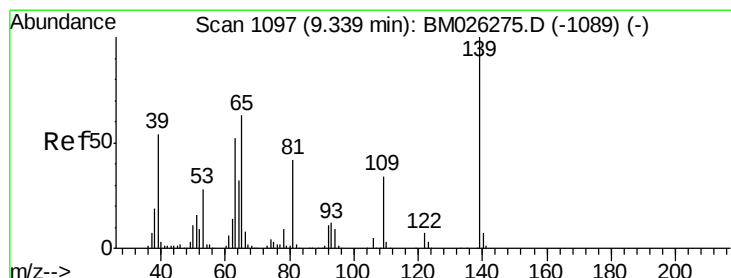
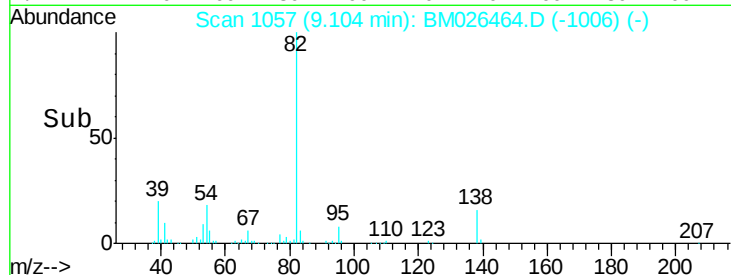
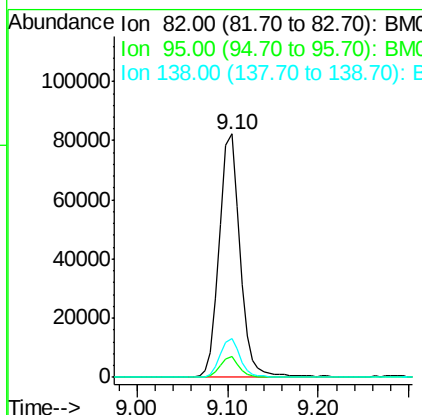
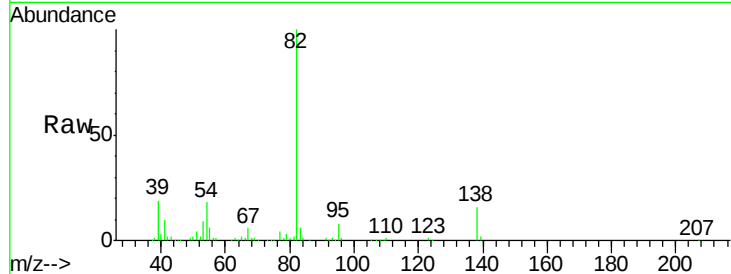
#25
Isophorone
Concen: 7.711 ng
RT: 9.10 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100	131642		
95	8.4	6.0	9.0	
138	15.9	12.7	19.1	

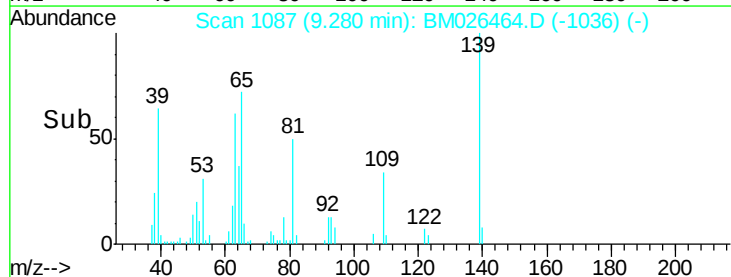
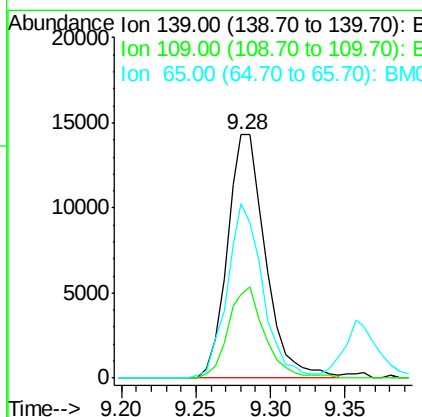
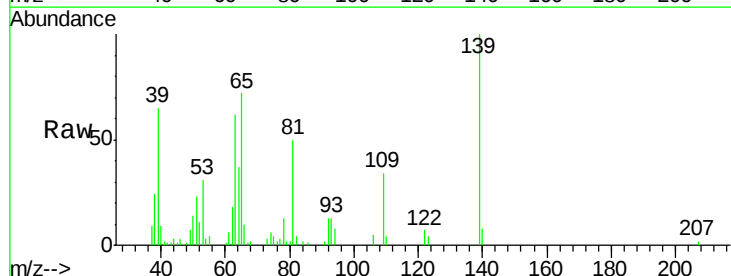
Manual Integrations
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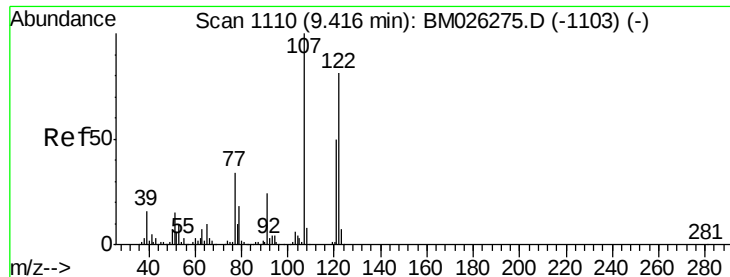
mohammad
6/22/2020 3:23:10 PM



#26
2-Nitrophenol
Concen: 6.786 ng
RT: 9.28 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	25549		
109	34.2	25.2	37.8	
65	71.9	47.1	70.7	





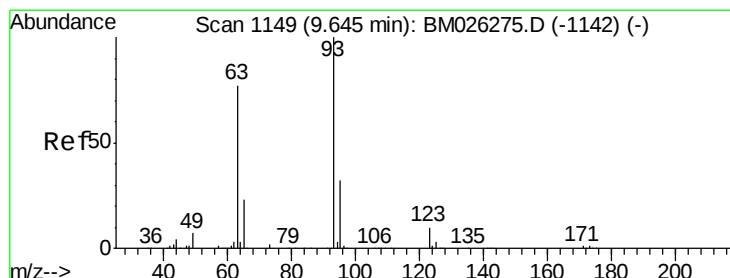
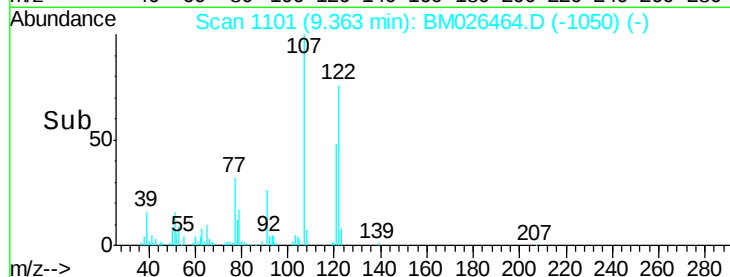
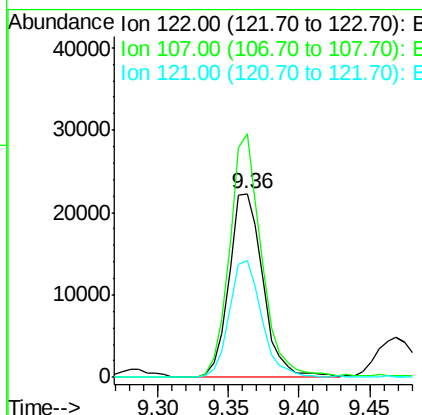
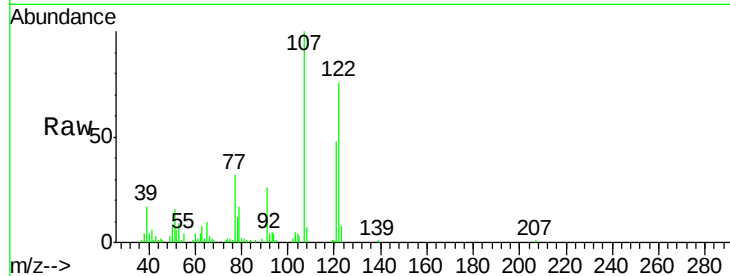
#27
2,4-Dimethylphenol
Concen: 6.260 ng
RT: 9.36 min Scan# 1101
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	132.4	96.1	144.1
121	63.5	46.0	69.0

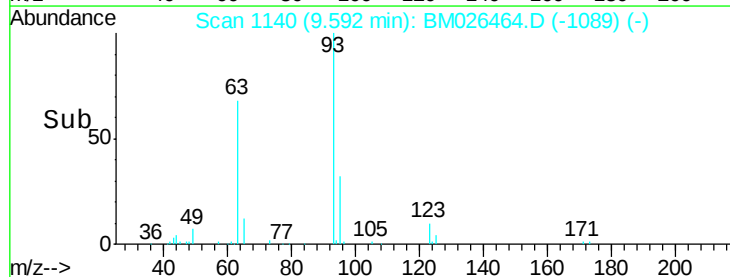
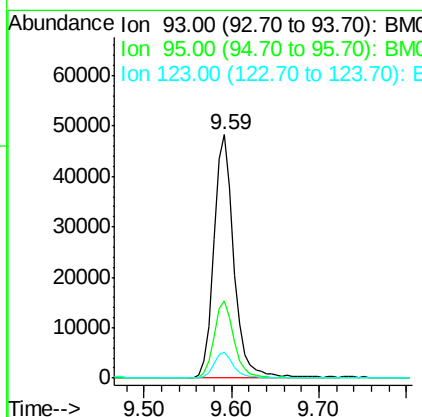
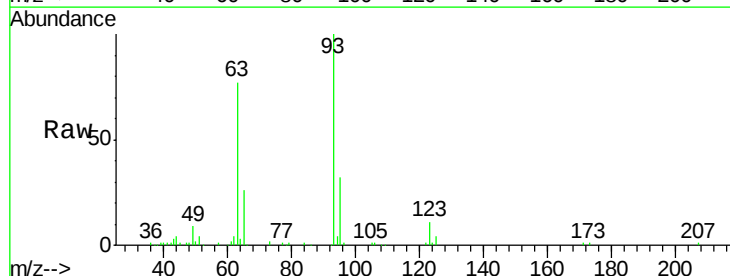
Manual Integrations
APPROVED

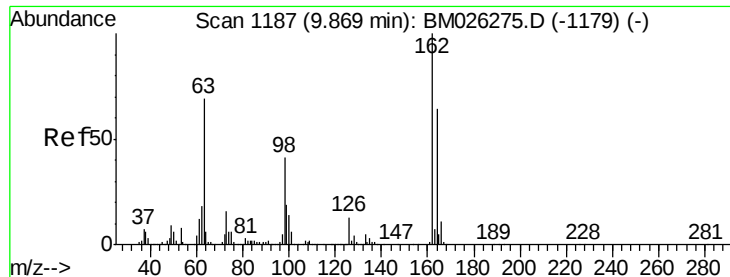
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 7.979 ng
RT: 9.59 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.9	38.9
123	10.9	8.9	13.3





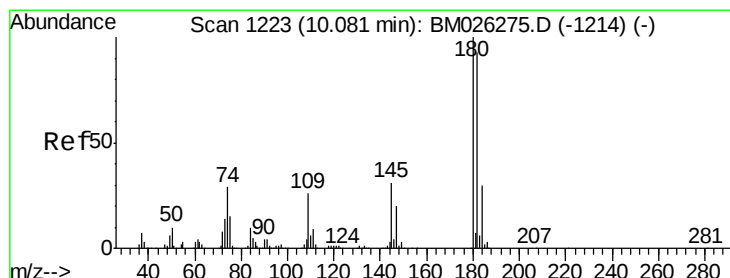
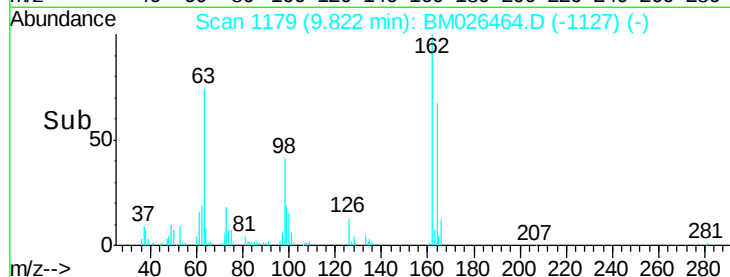
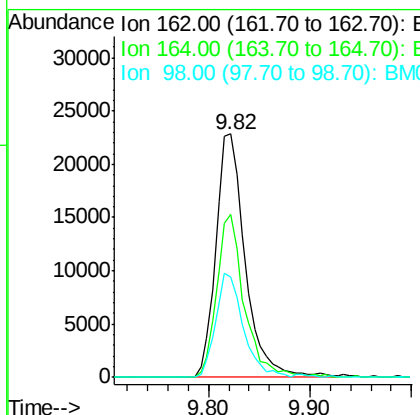
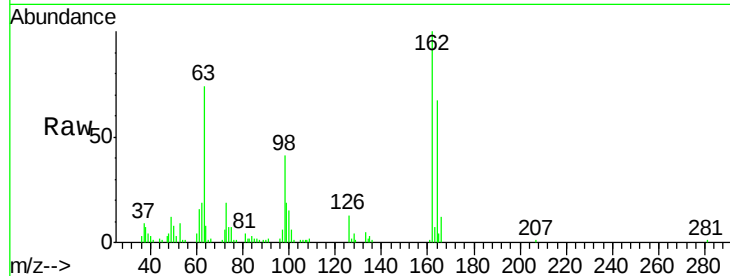
#29
 2,4-Dichlorophenol
 Concen: 7.049 ng
 RT: 9.82 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
162	100	45965		
164	66.9	46.2	86.2	
98	41.1	19.0	59.0	

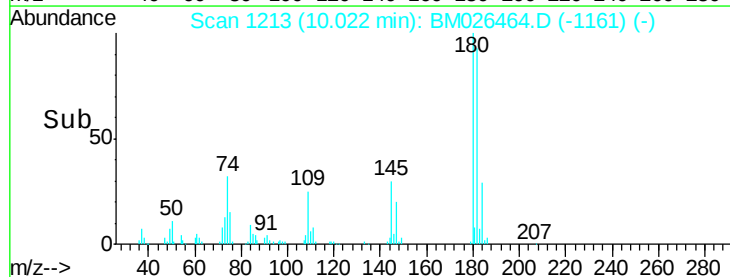
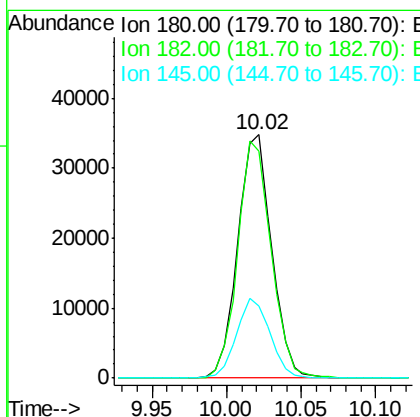
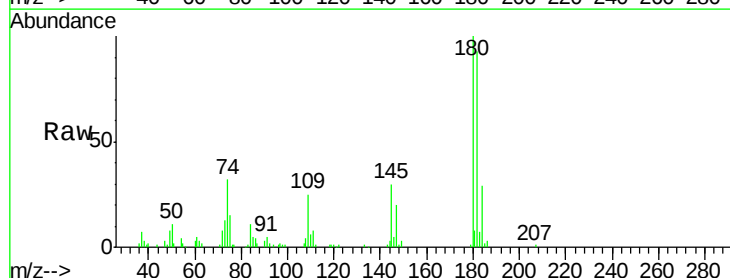
Manual Integrations
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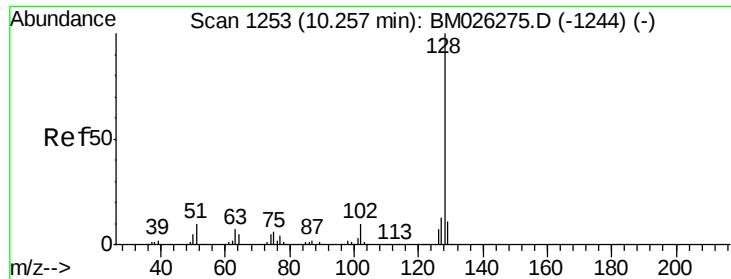
mohammad
 6/22/2020 3:23:10 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 7.674 ng
 RT: 10.02 min Scan# 1213
 Delta R.T. 0.01 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54874		
182	93.1	77.3	115.9	
145	29.7	26.6	40.0	





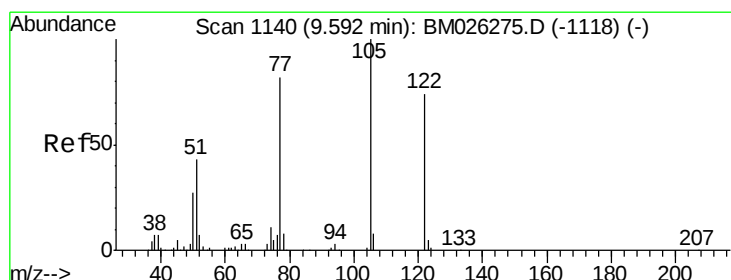
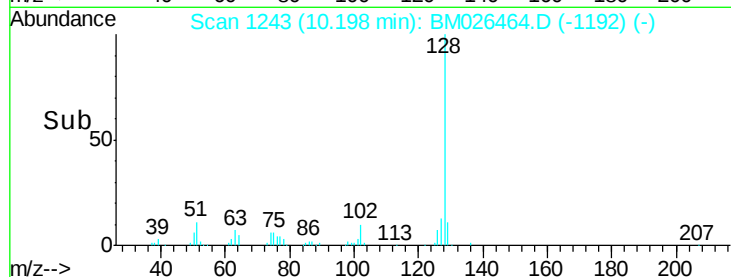
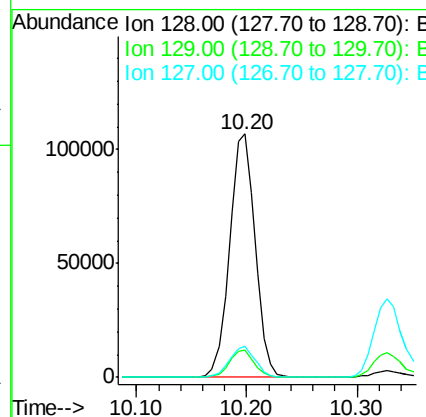
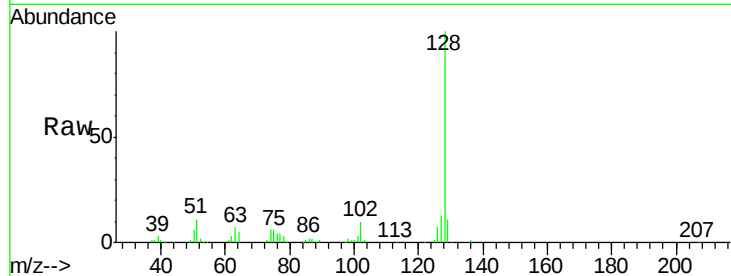
#31
Naphthalene
Concen: 7.702 ng
RT: 10.20 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	12.8	10.2	15.4

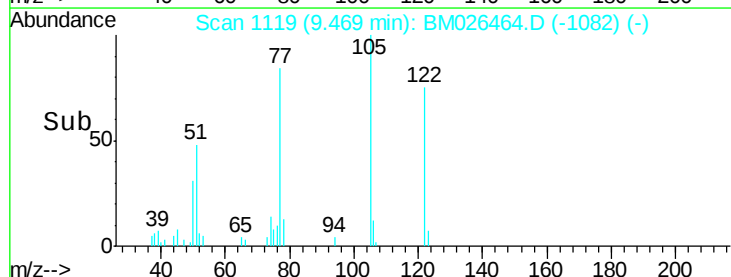
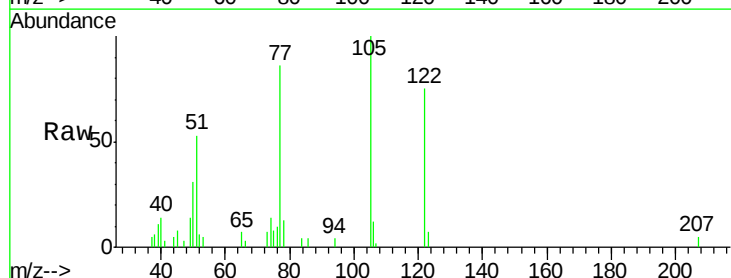
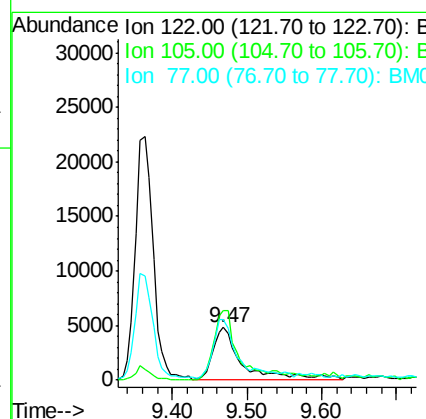
Manual Integrations
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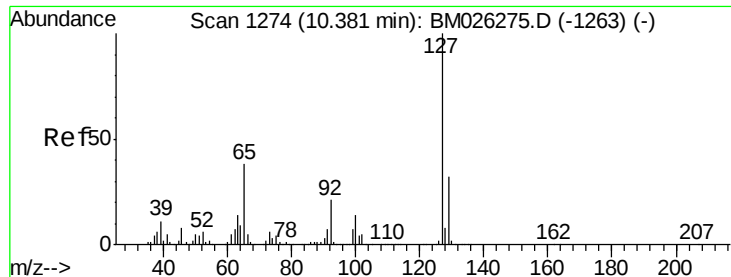
mohammad
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#32
Benzoic acid
Concen: 3.006 ng m
RT: 9.47 min Scan# 1119
Delta R.T. -0.08 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	132.6	108.9	148.9
77	114.4	90.1	130.1





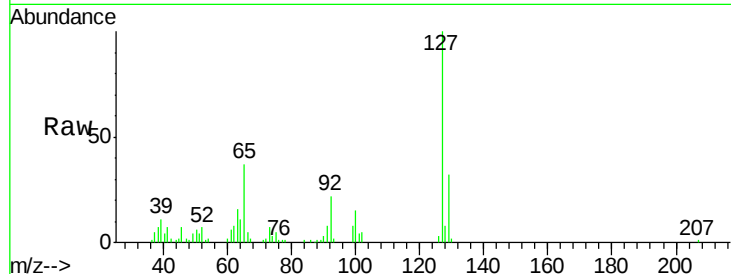
#33
4-Chloroaniline
Concen: 6.665 ng
RT: 10.33 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

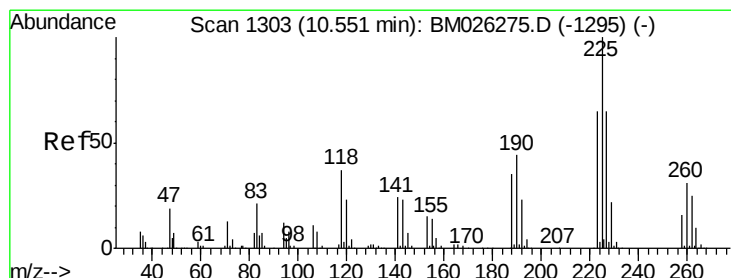
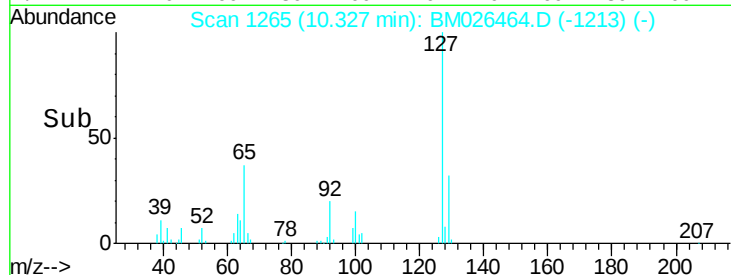
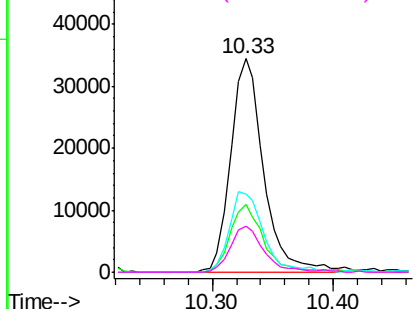
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		65368		
129	31.7	25.3	37.9		
65	36.7	30.0	45.0		
92	21.7	17.1	25.7		

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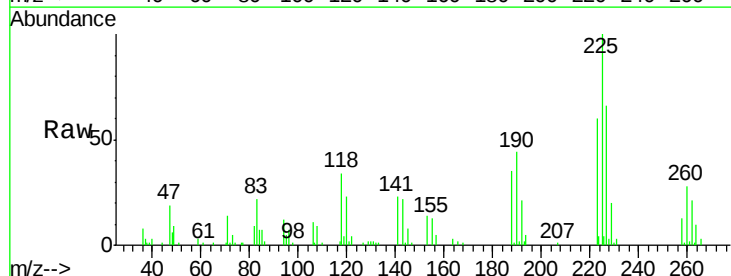


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

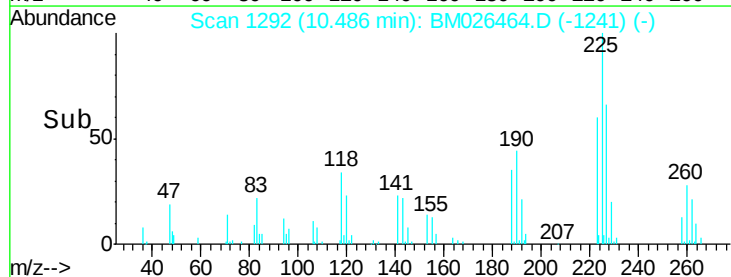
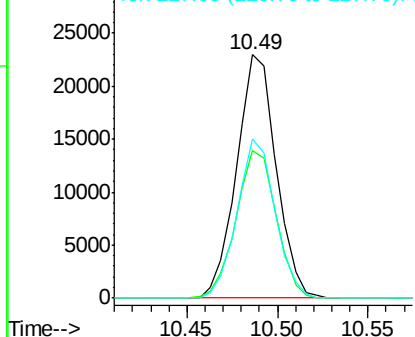


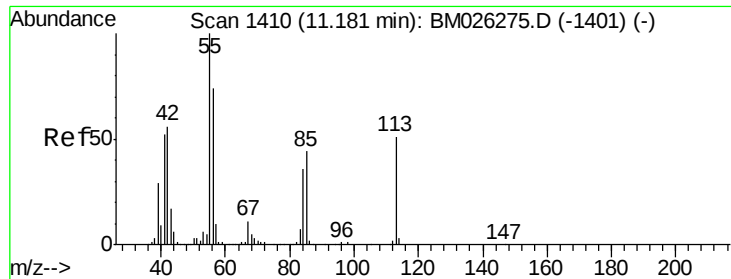
#34
Hexachlorobutadiene
Concen: 7.721 ng
RT: 10.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		34855		
223	60.4	50.2	75.4		
227	65.5	49.5	74.3		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





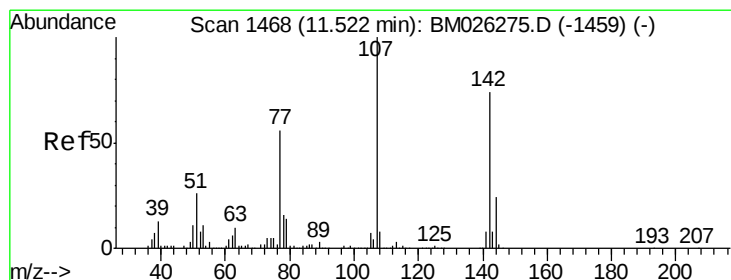
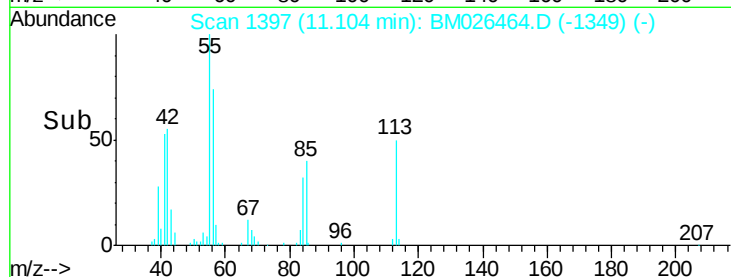
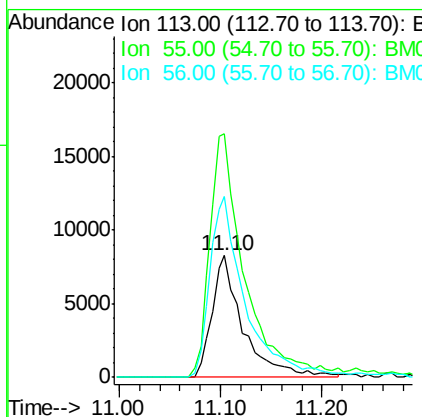
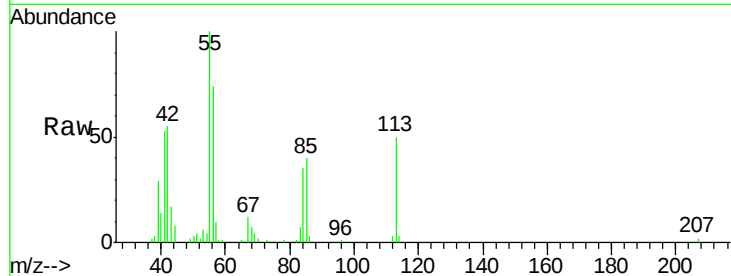
#35
 Caprolactam
 Concen: 7.700 ng
 RT: 11.10 min Scan# 1397
 Delta R.T. -0.02 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	200.0		177.1	217.1	
56	149.0		134.8	174.8	

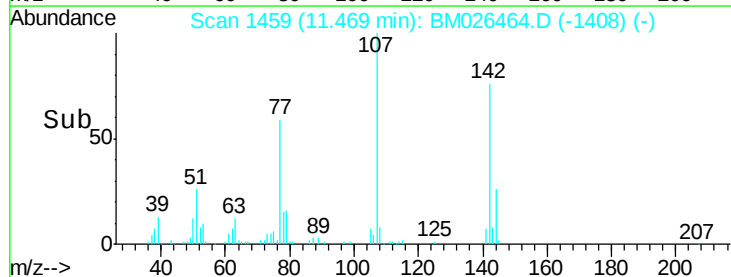
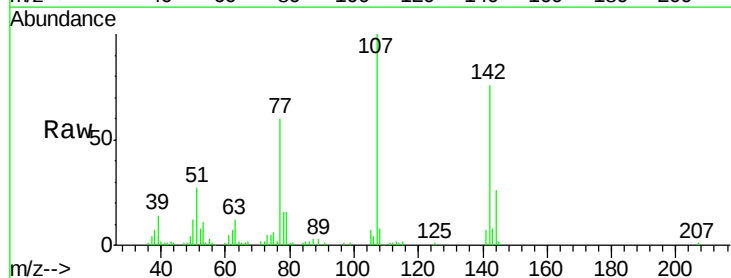
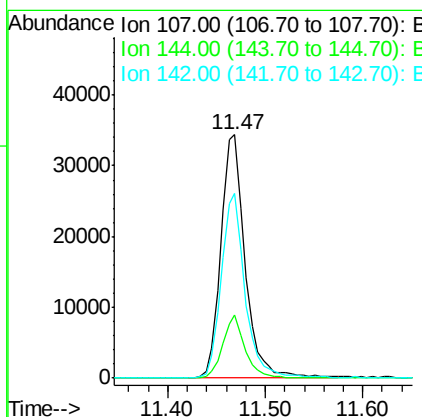
Manual Integrations
 APPROVED

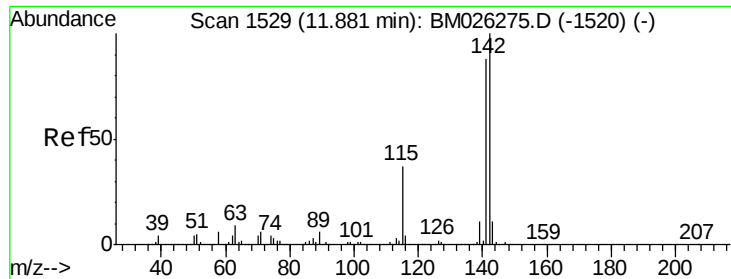
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 7.462 ng
 RT: 11.47 min Scan# 1459
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	26.1		18.7	28.1	
142	75.8		57.7	86.5	





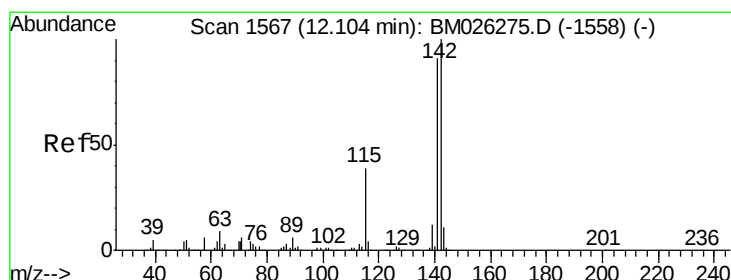
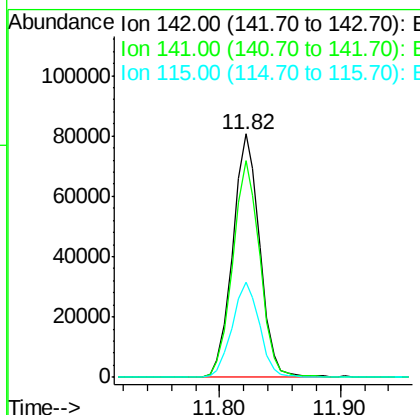
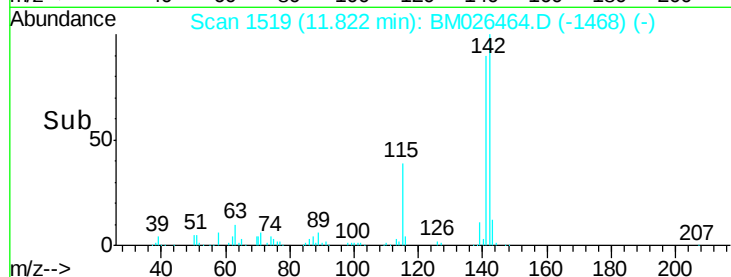
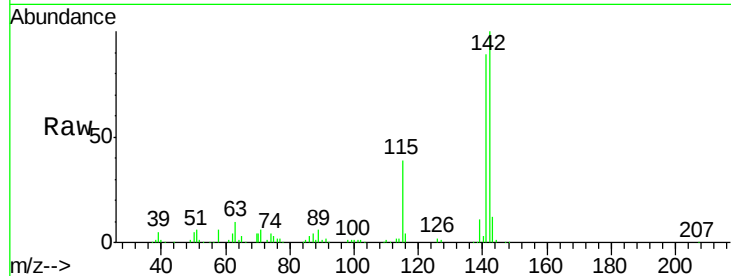
#37
2-Methylnaphthalene
Concen: 7.863 ng
RT: 11.82 min Scan# 1519
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.5	105.7
115	39.2	30.2	45.4

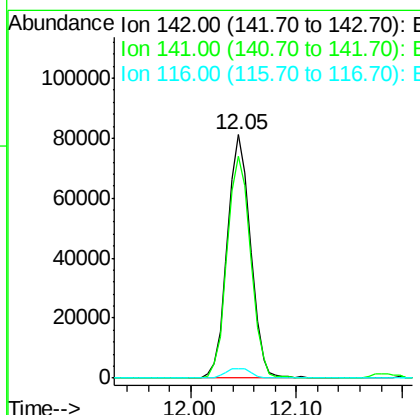
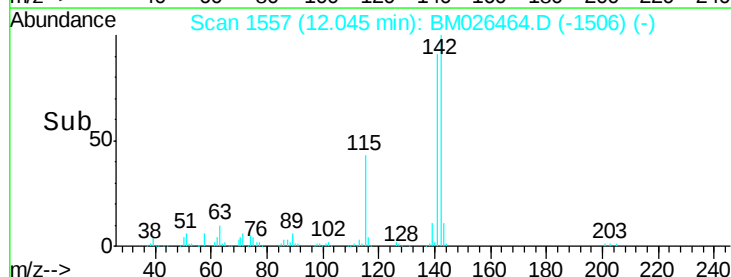
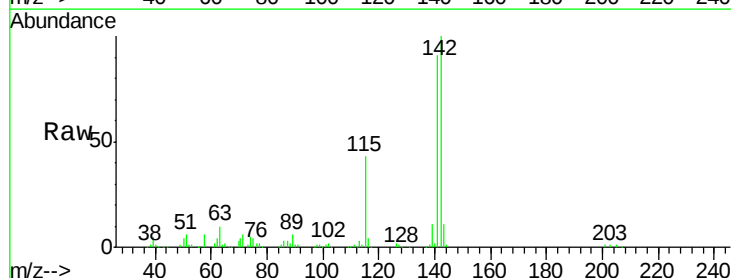
Manual Integrations
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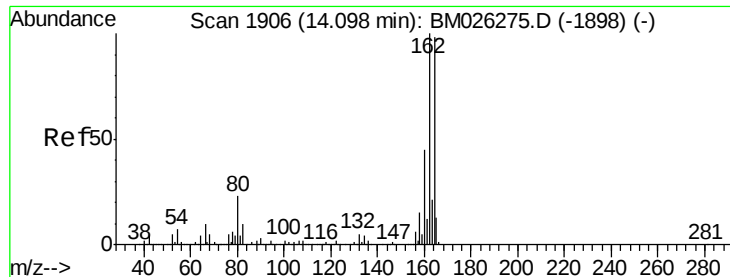
mohammad
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#38
1-Methylnaphthalene
Concen: 8.104 ng
RT: 12.05 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.3	109.9
116	4.0	3.4	5.0





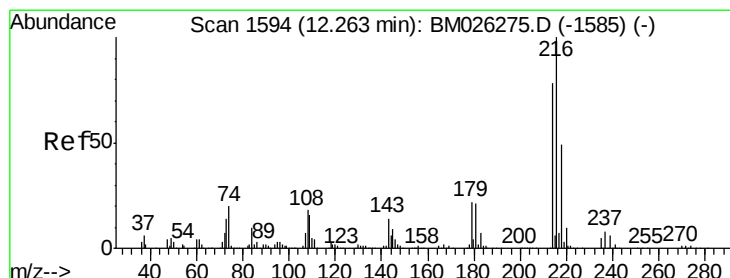
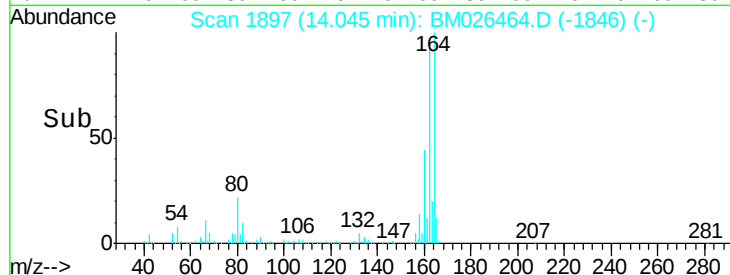
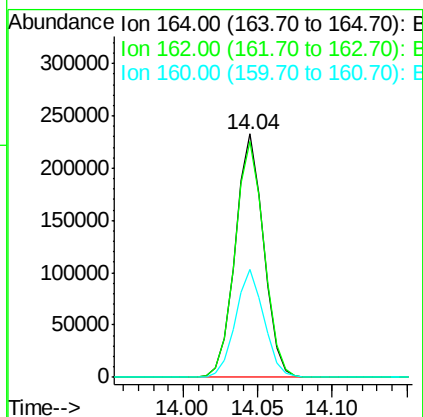
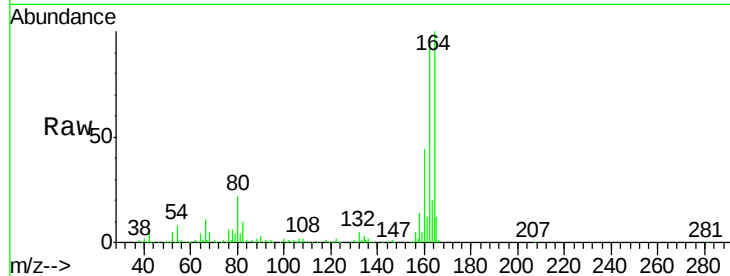
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.04 min Scan# 1897
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.1	77.7	116.5
160	44.1	34.2	51.2

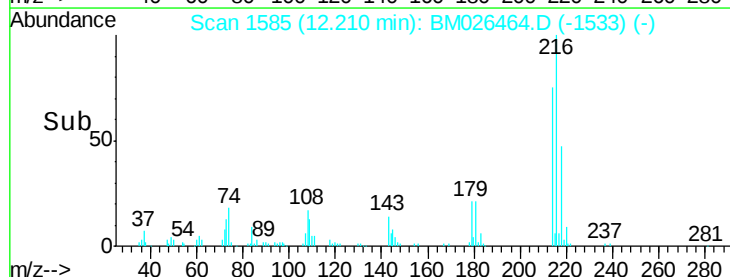
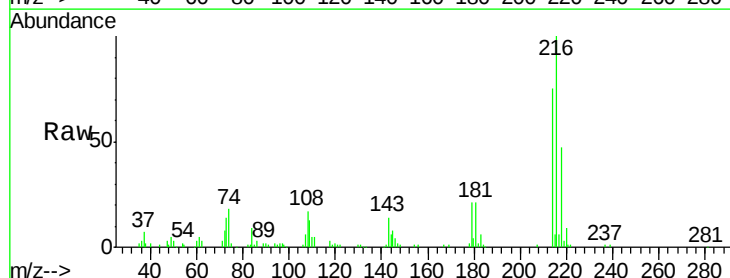
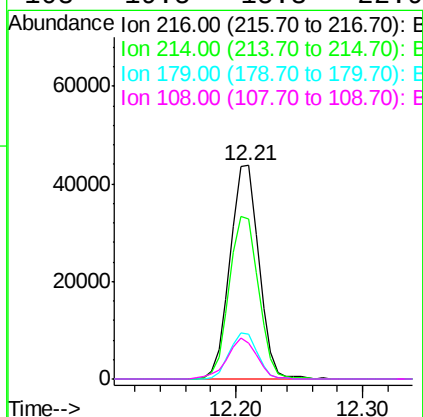
Manual Integrations
APPROVED

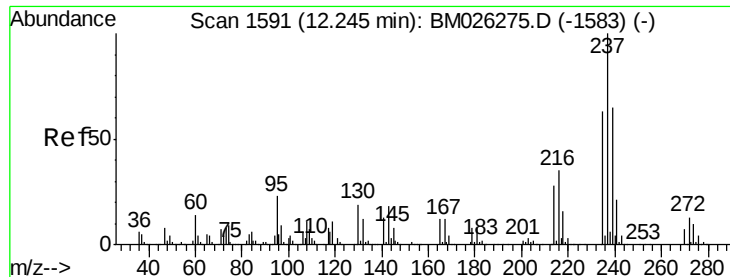
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.868 ng
RT: 12.21 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.1	61.9	92.9
179	21.0	16.3	24.5
108	19.5	15.3	22.9





#41

Hexachlorocyclopentadiene

Concen: 3.391 ng

RT: 12.19 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

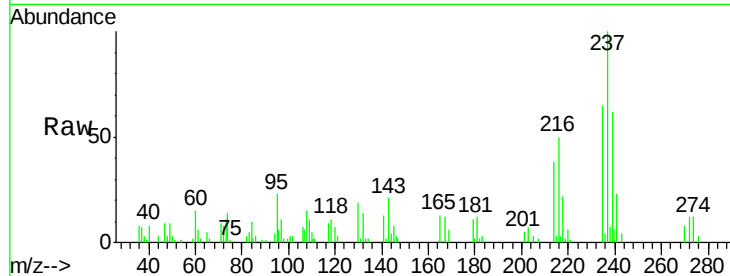
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

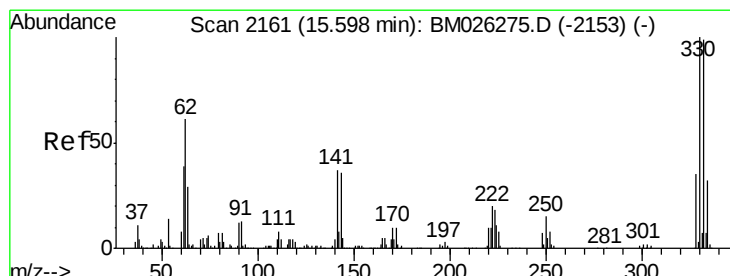
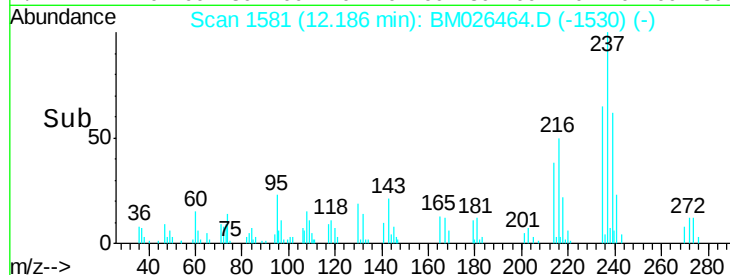
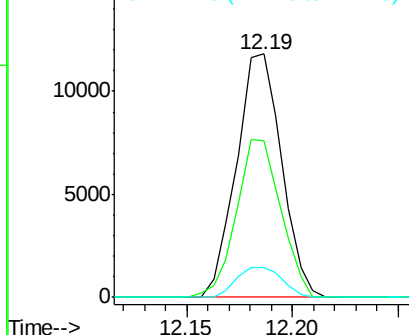
Tot Ion:	237	Resp:	17516
Ion Ratio	Lower	Upper	
237	100		
235	64.5	42.1	82.1
272	12.4	0.0	33.5

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



#42

2,4,6-Tribromophenol

Concen: 191.107 ng

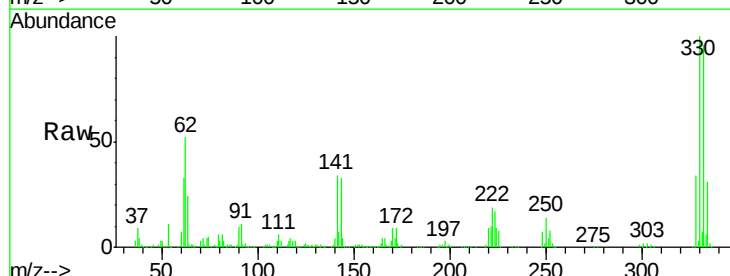
RT: 15.56 min Scan# 2154

Delta R.T. 0.01 min

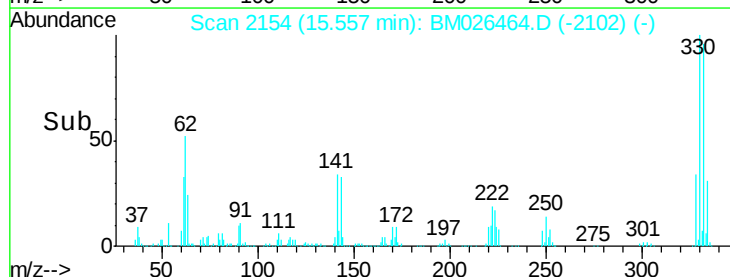
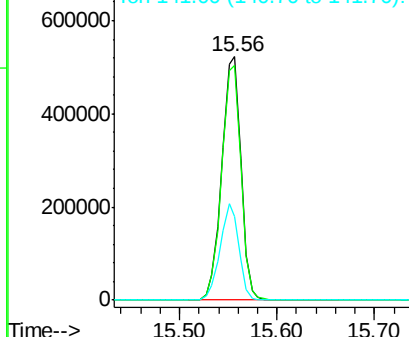
Lab File: BM026464.D

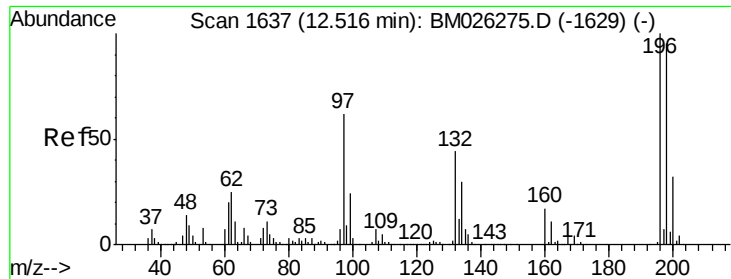
Acq: 19 Jun 2020 11:07

Tgt Ion:	330	Resp:	712921
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.7	116.5
141	38.4	29.7	44.5



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





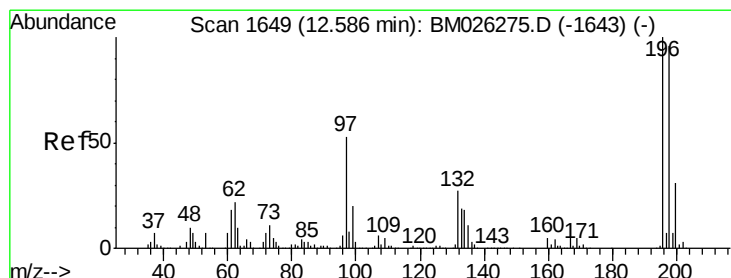
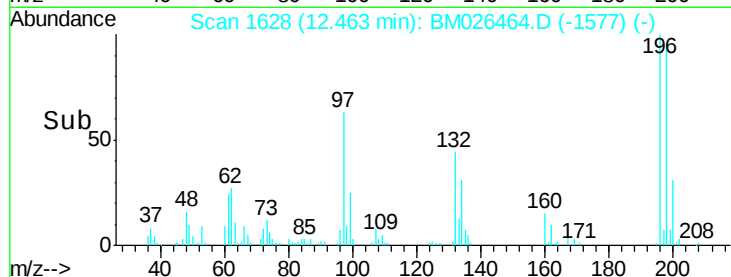
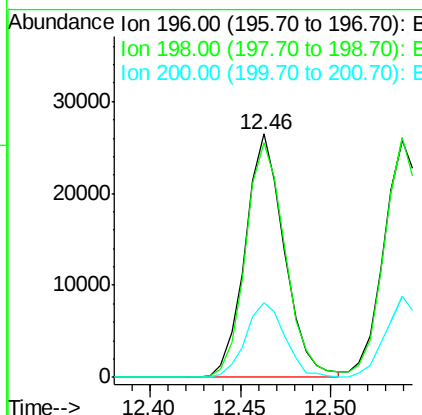
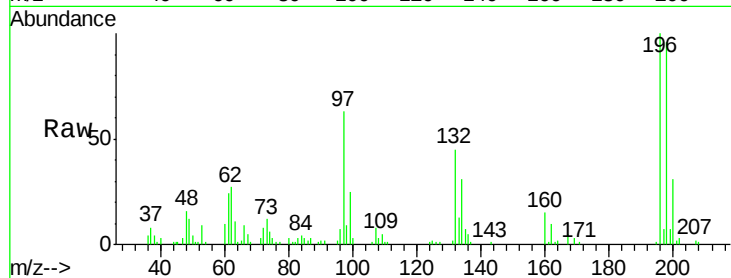
#43
 2,4,6-Trichlorophenol
 Concen: 6.686 ng
 RT: 12.46 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.3	79.0	118.4
200	30.9	25.2	37.8

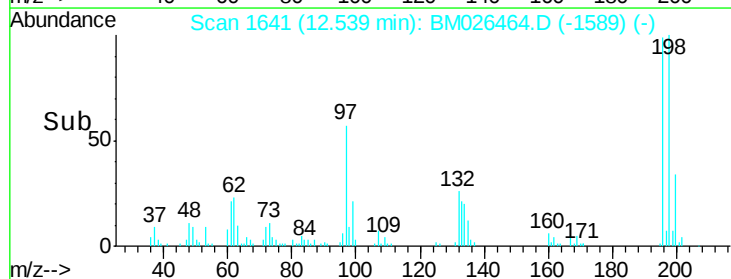
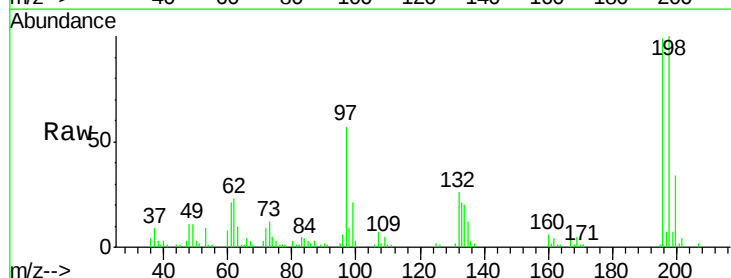
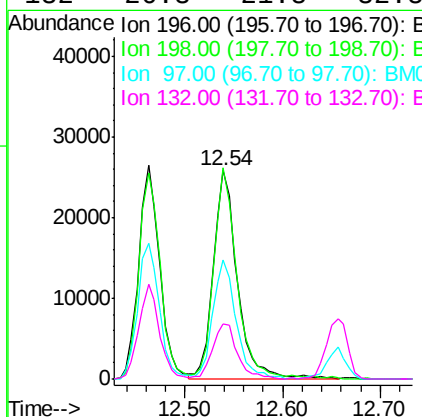
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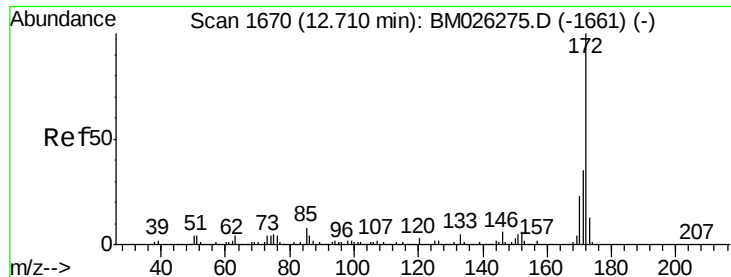
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#44
 2,4,5-Trichlorophenol
 Concen: 6.441 ng
 RT: 12.54 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
196	100		
198	101.4	77.1	115.7
97	57.3	43.0	64.4
132	26.3	21.8	32.8





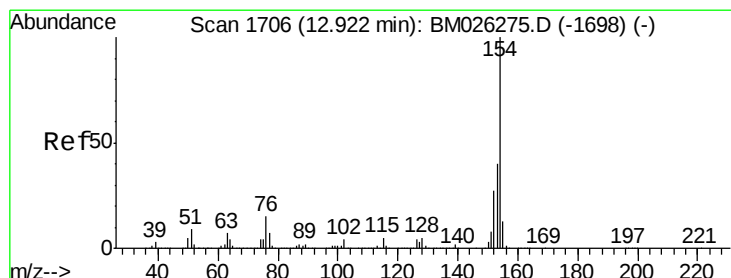
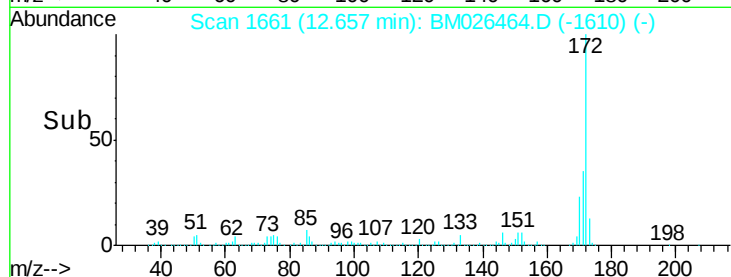
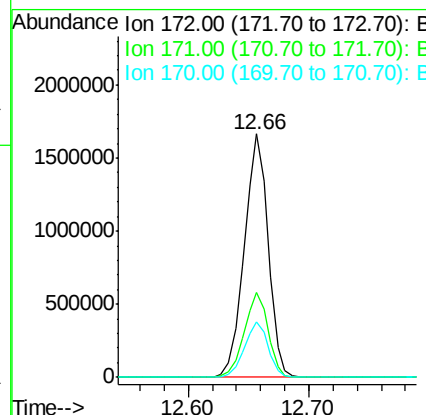
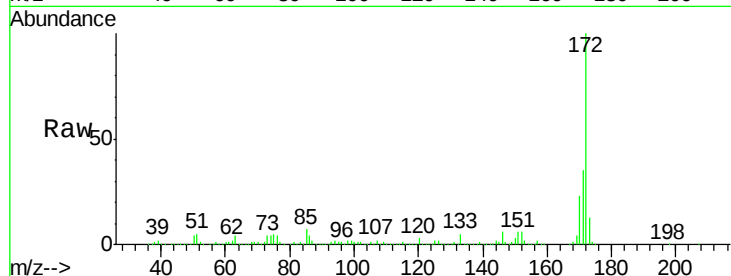
#45
2-Fluorobiphenyl
Concen: 112.899 ng
RT: 12.66 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.8
170	22.8	18.2	27.4

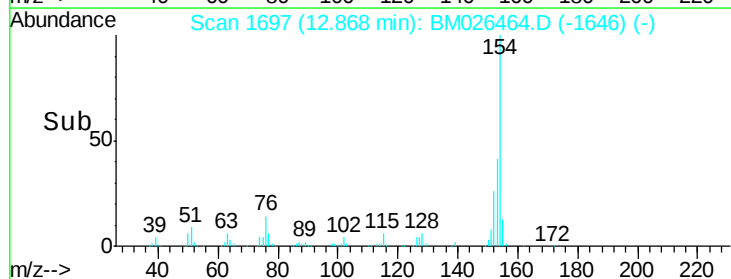
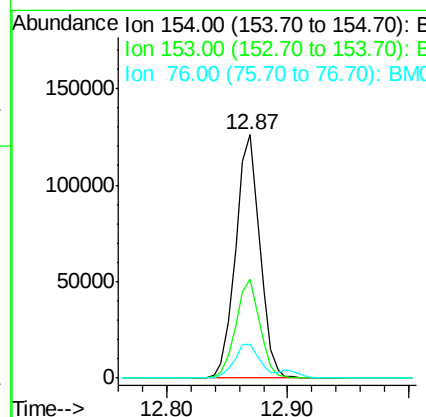
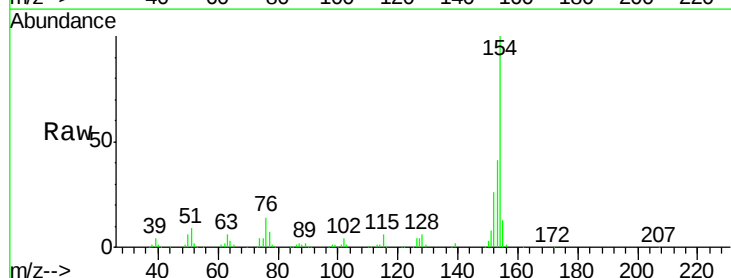
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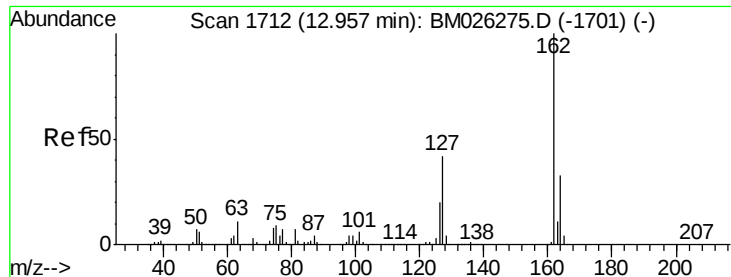
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#46
1,1'-Biphenyl
Concen: 8.156 ng
RT: 12.87 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.0	60.0
76	13.8	0.0	34.6





#47

2-Chloronaphthalene

Concen: 7.186 ng

RT: 12.90 min Scan# 1703

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

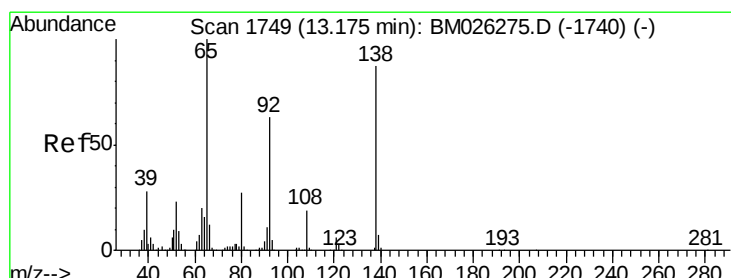
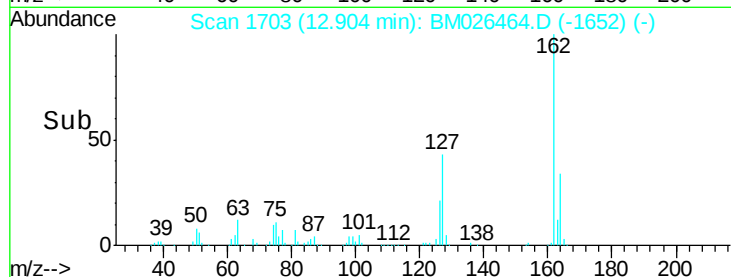
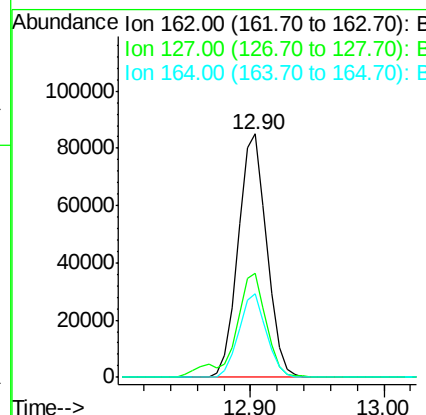
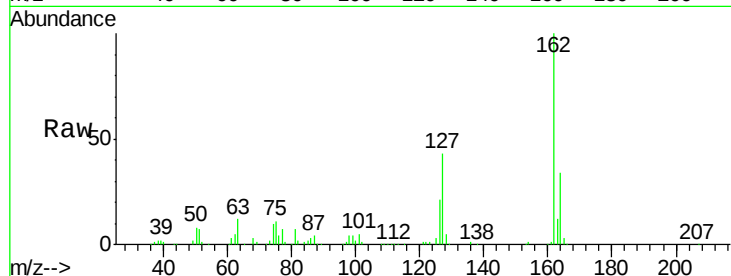
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	162	Resp:	126027
Ion Ratio	Lower	Upper	
162	100		
127	42.9	34.0	51.0
164	34.4	26.3	39.5

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#48

2-Nitroaniline

Concen: 6.434 ng

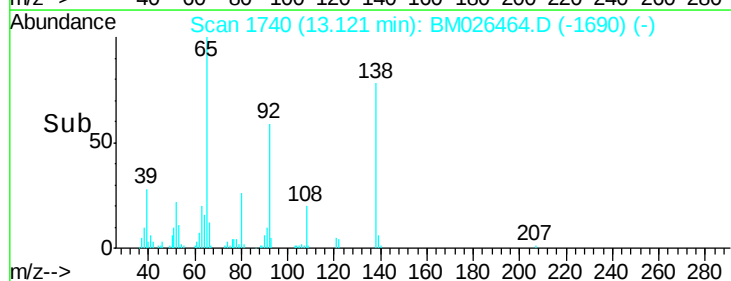
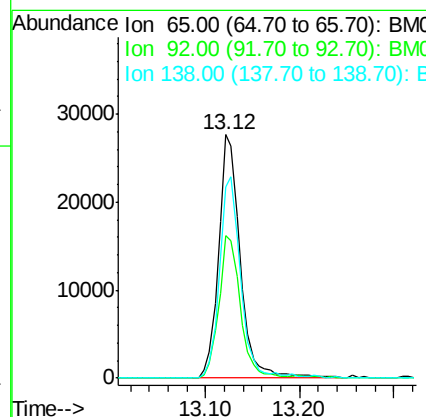
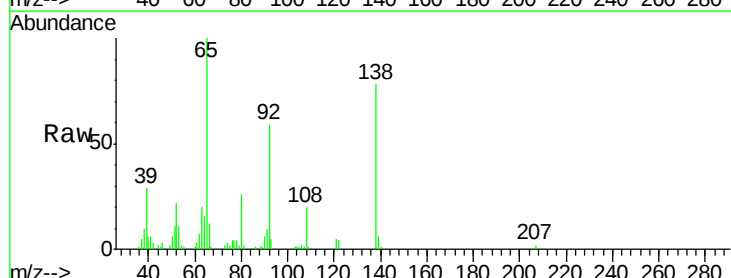
RT: 13.12 min Scan# 1740

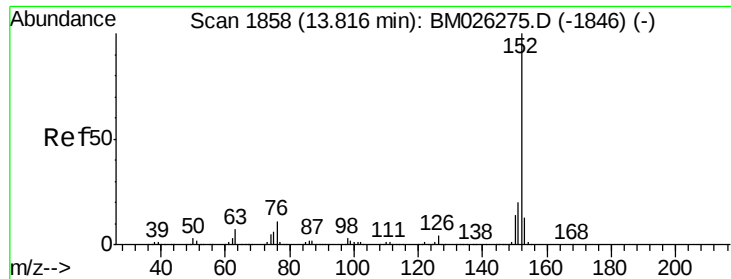
Delta R.T. -0.01 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion:	65	Resp:	44715
Ion Ratio	Lower	Upper	
65	100		
92	58.5	50.6	76.0
138	78.4	71.6	107.4





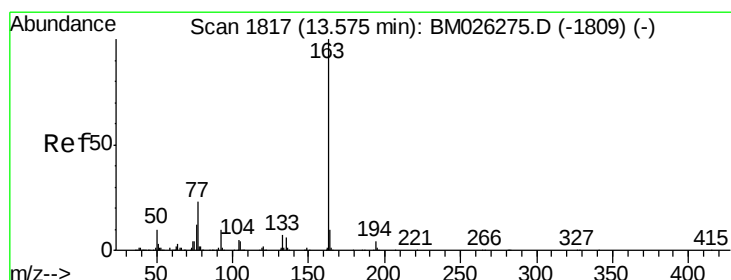
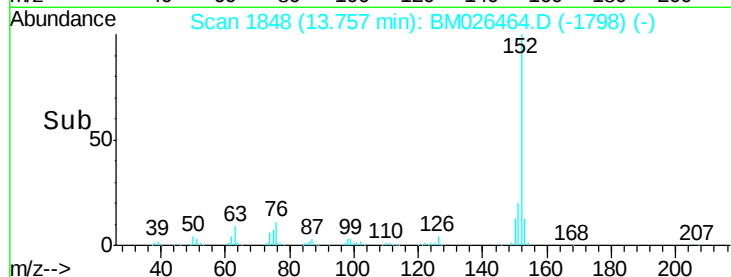
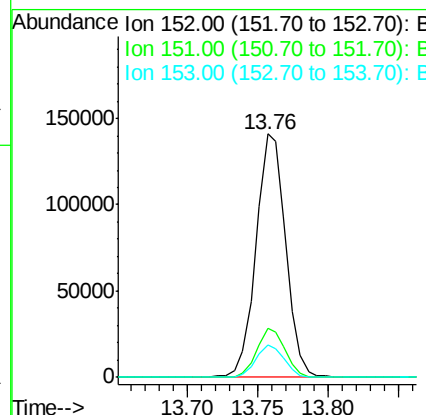
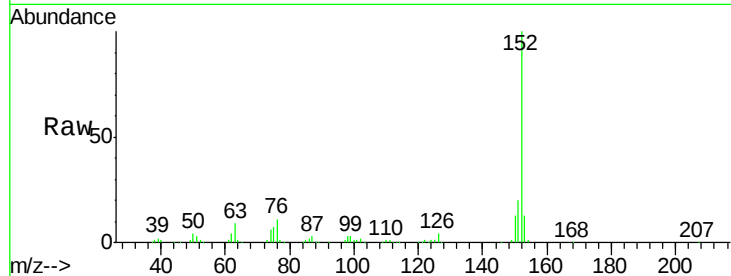
#49
Acenaphthylene
Concen: 7.423 ng
RT: 13.76 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.3	10.1	15.1

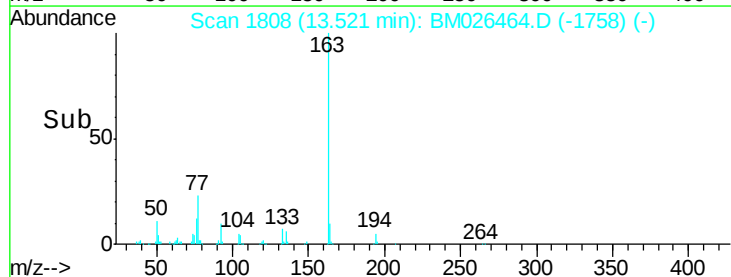
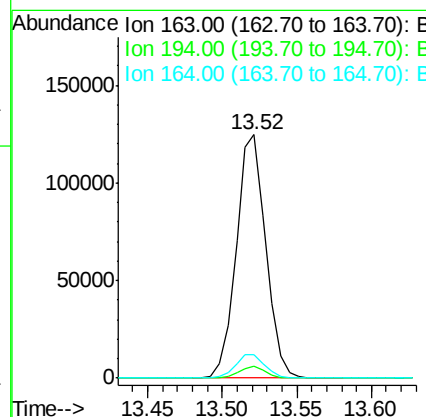
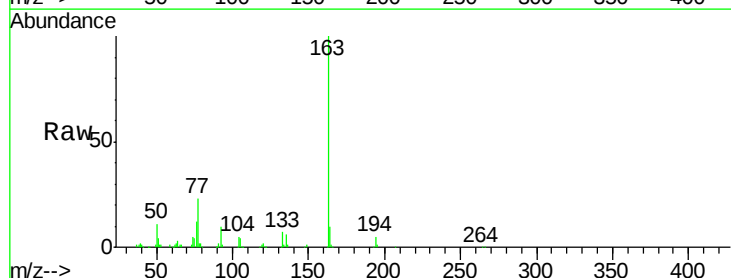
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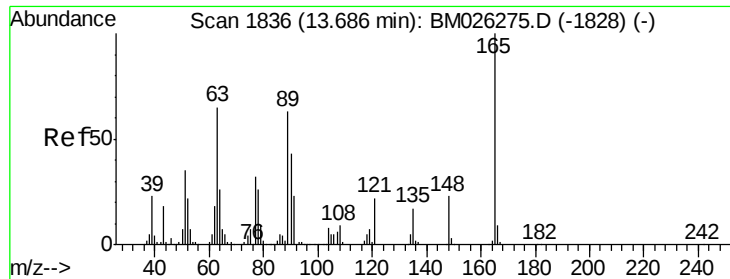
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#50
Dimethylphthalate
Concen: 7.627 ng
RT: 13.52 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	9.6	7.8	11.8





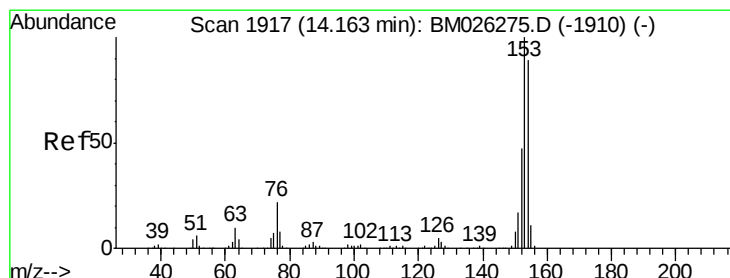
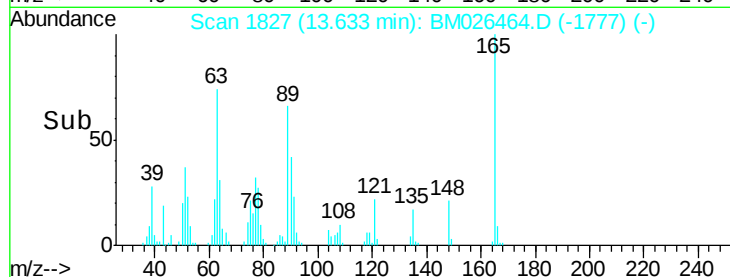
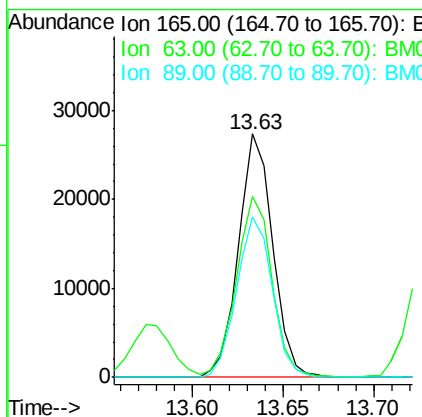
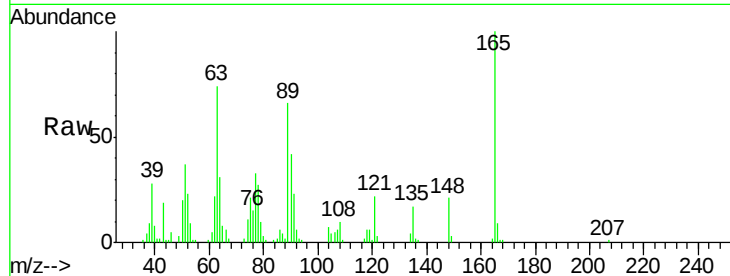
#51
2,6-Dinitrotoluene
Concen: 7.257 ng
RT: 13.63 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	35869		
63	74.1	54.3	81.5	
89	65.9	51.5	77.3	

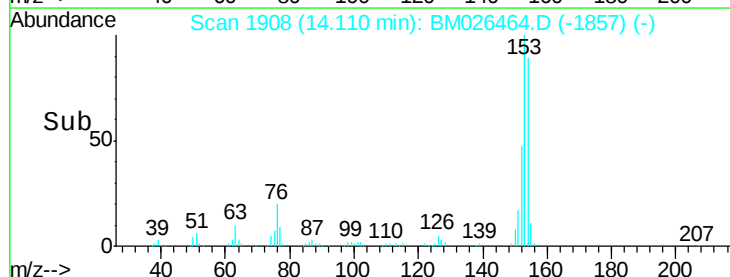
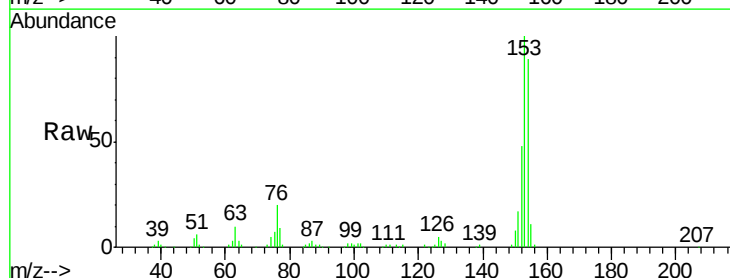
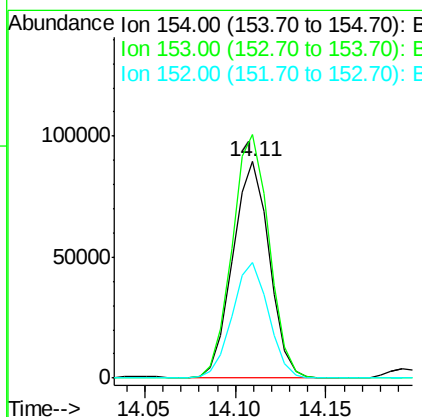
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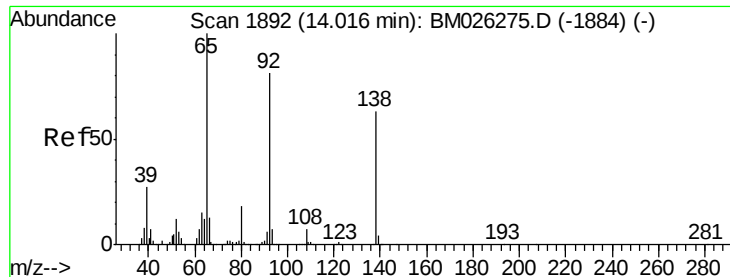
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#52
Acenaphthene
Concen: 7.459 ng
RT: 14.11 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	125594		
153	112.5	88.6	132.8	
152	53.7	42.0	63.0	





#53

3-Nitroaniline

Concen: 5.487 ng

RT: 13.97 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

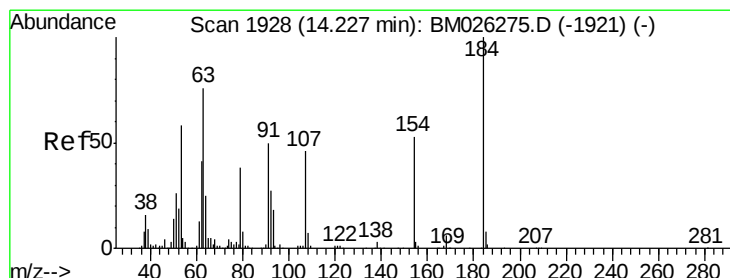
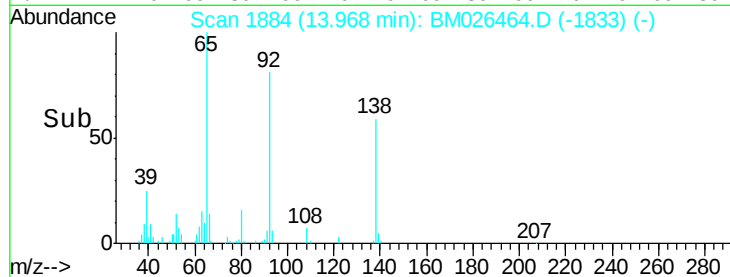
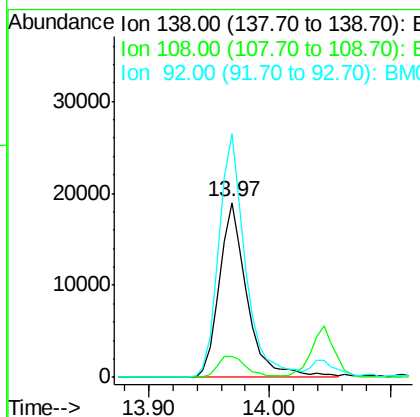
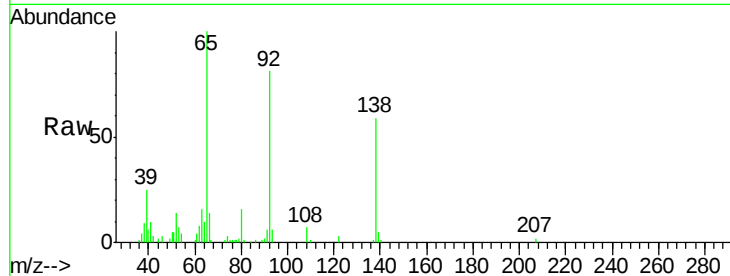
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.4	14.0
92	139.2	105.4	158.2

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#54

2,4-Dinitrophenol

Concen: 3.588 ng

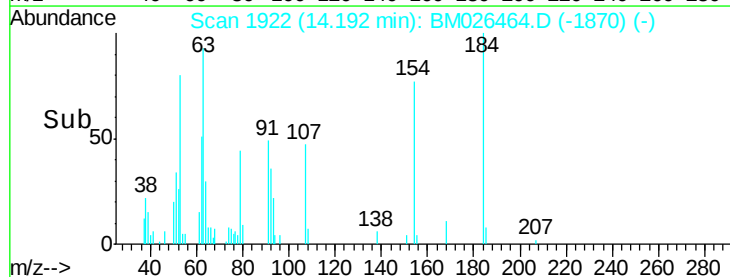
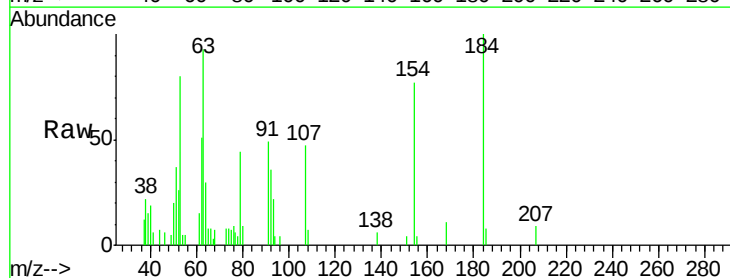
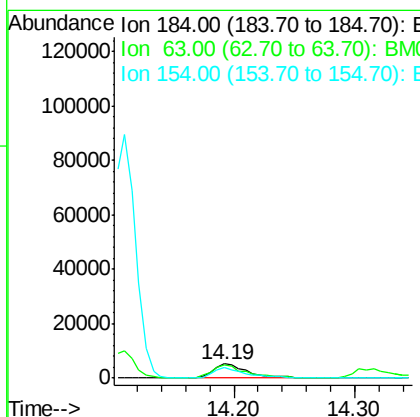
RT: 14.19 min Scan# 1922

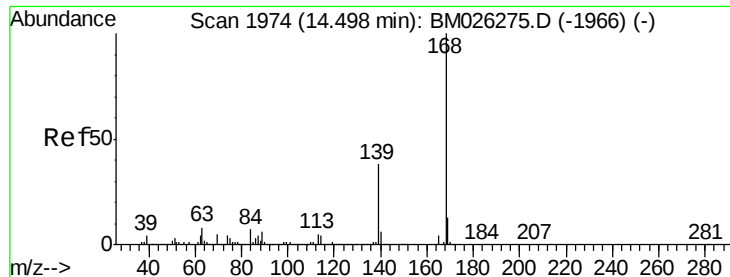
Delta R.T. 0.01 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	92.9	61.8	92.6#
154	77.1	53.1	79.7





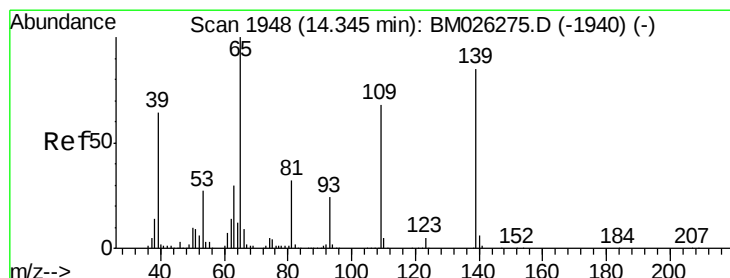
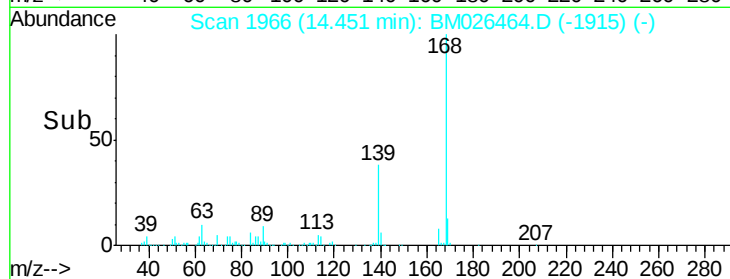
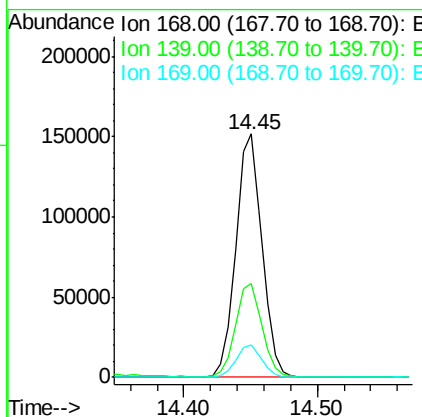
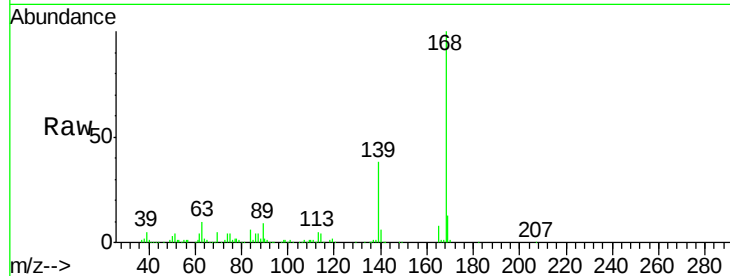
#55
Dibenzenofuran
Concen: 7.589 ng
RT: 14.45 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	31.4	47.0
169	13.2	10.7	16.1

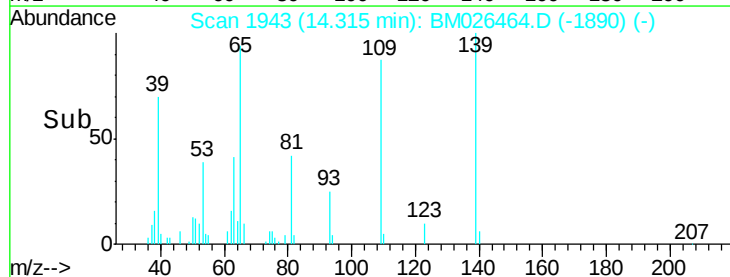
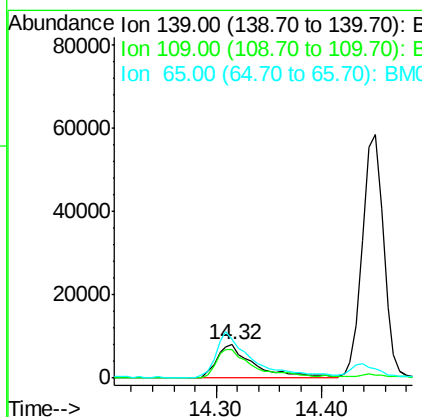
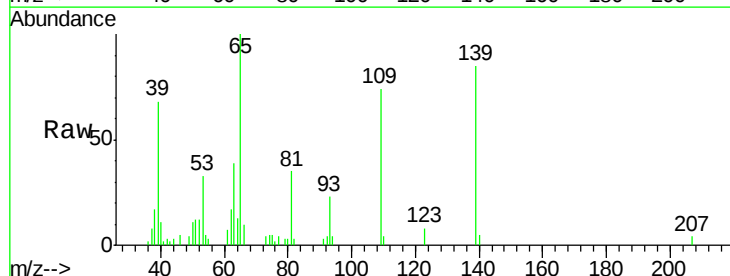
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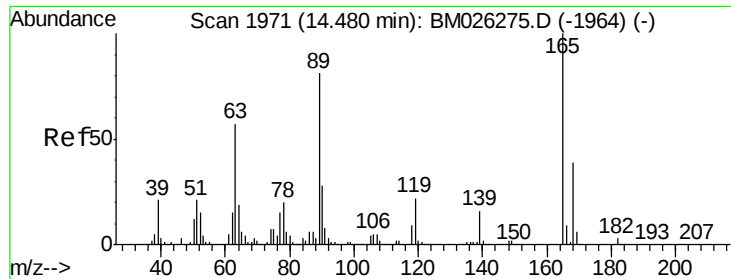
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#56
4-Nitrophenol
Concen: 4.608 ng
RT: 14.32 min Scan# 1943
Delta R.T. 0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	87.5	64.9	104.9
65	117.8	98.1	138.1





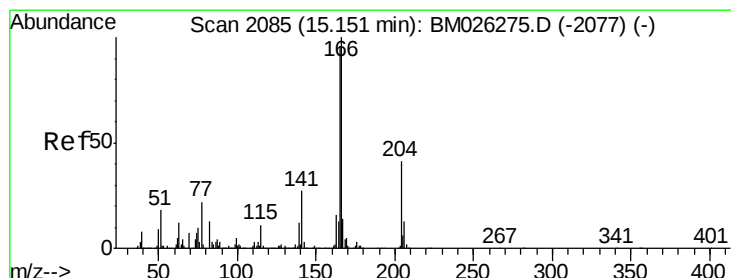
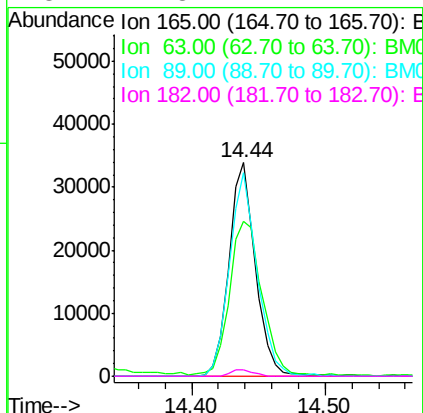
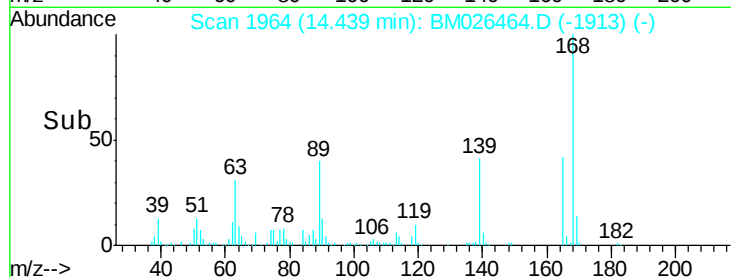
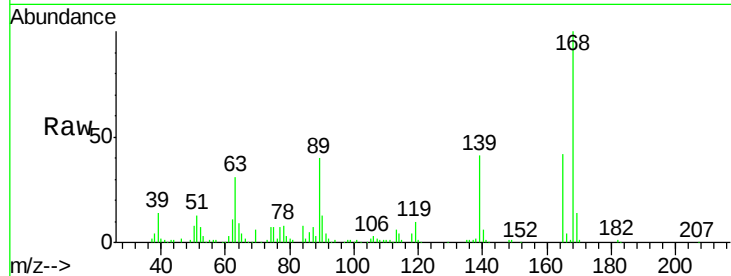
#57
2,4-Dinitrotoluene
Concen: 6.867 ng
RT: 14.44 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	72.4	48.1	72.1#
89	95.6	65.6	98.4
182	2.8	2.7	4.1

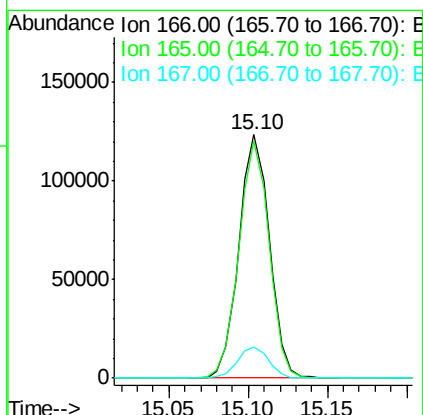
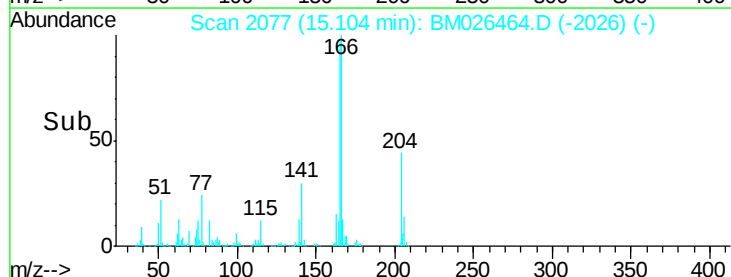
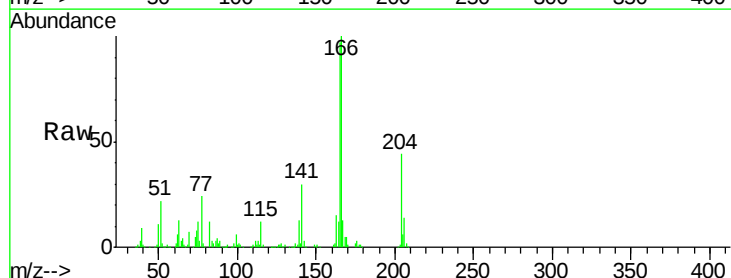
Manual Integrations
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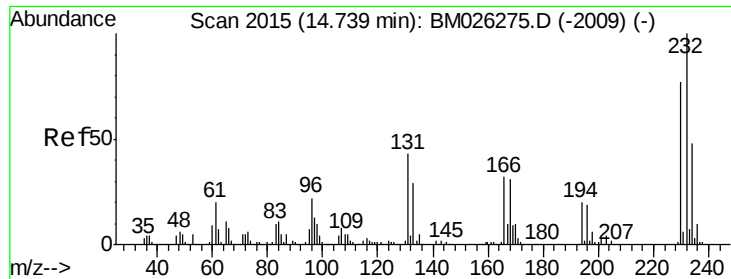
mohammad
6/22/2020 3:23:10 PM



#58
Fluorene
Concen: 7.497 ng
RT: 15.10 min Scan# 2077
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.5	116.3
167	13.0	10.9	16.3





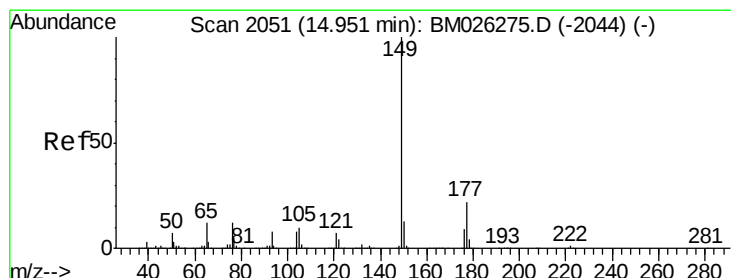
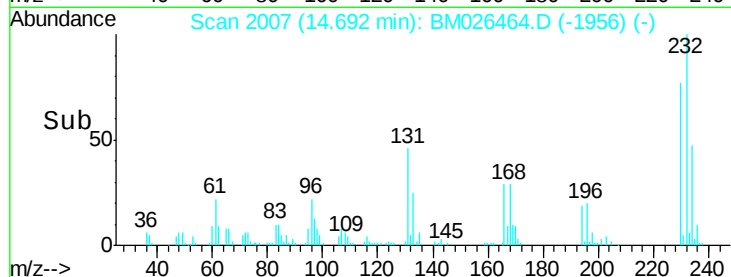
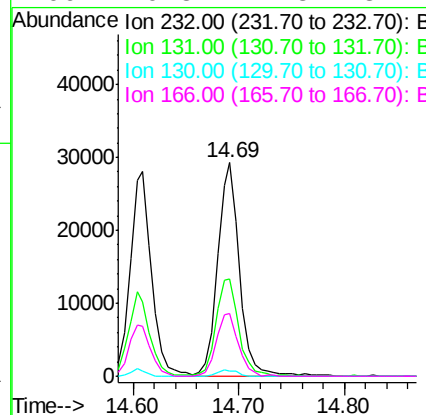
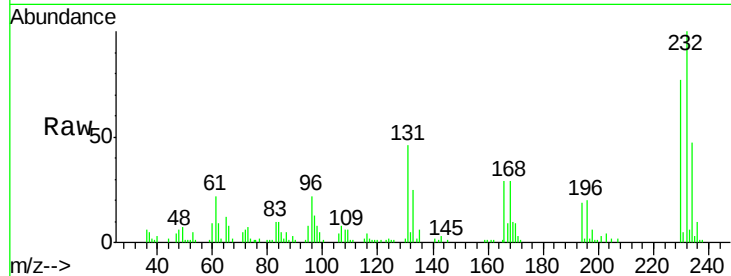
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.247 ng
RT: 14.69 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.9	36.4	54.6
130	2.6	2.0	3.0
166	29.8	24.8	37.2

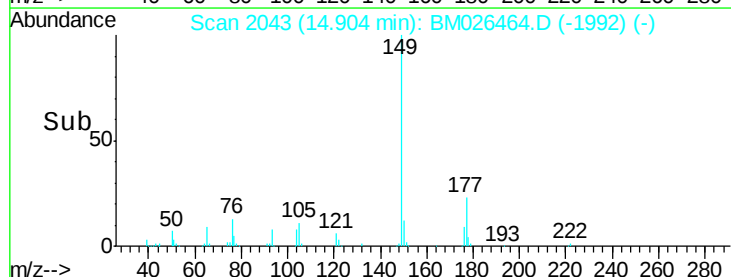
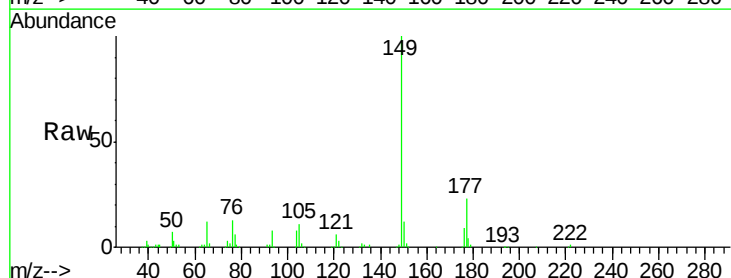
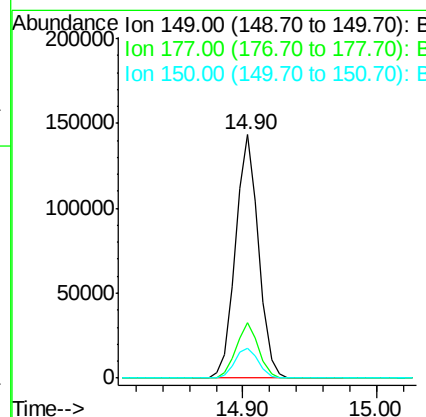
Manual Integrations
APPROVED

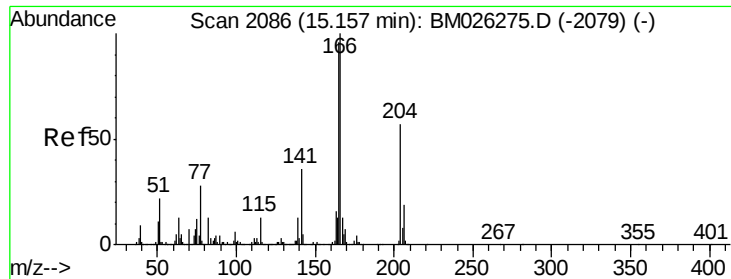
mohammad
6/22/2020 3:23:10 PM



#60
Diethylphthalate
Concen: 7.542 ng
RT: 14.90 min Scan# 2043
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.6	26.4
150	12.3	9.9	14.9





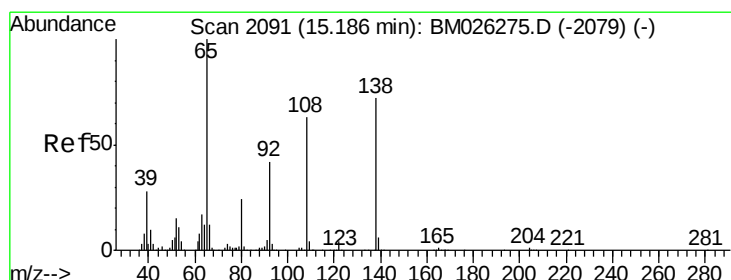
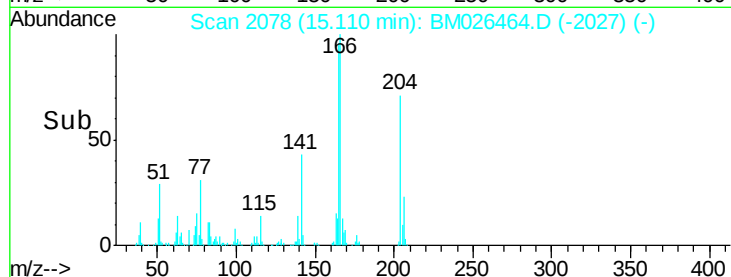
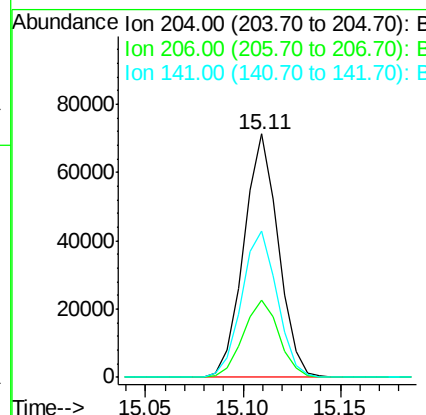
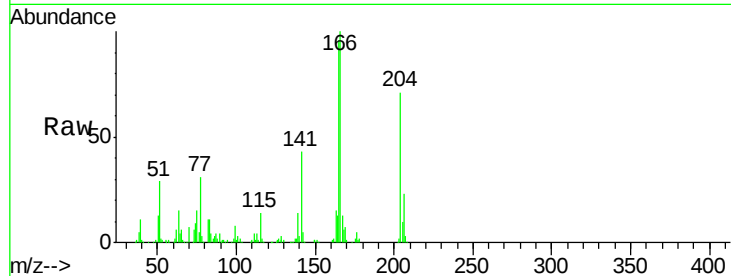
#61
4-Chlorophenyl-phenylether
Concen: 7.464 ng
RT: 15.11 min Scan# 2078
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.6	26.6	40.0
141	59.9	49.4	74.2

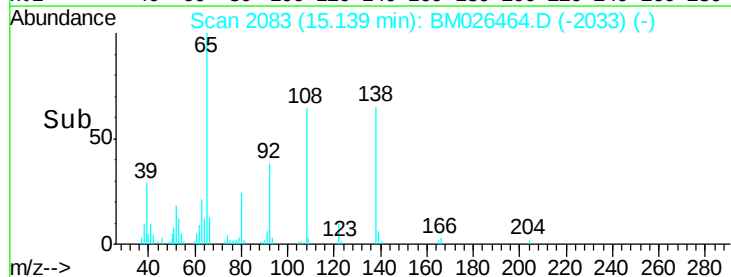
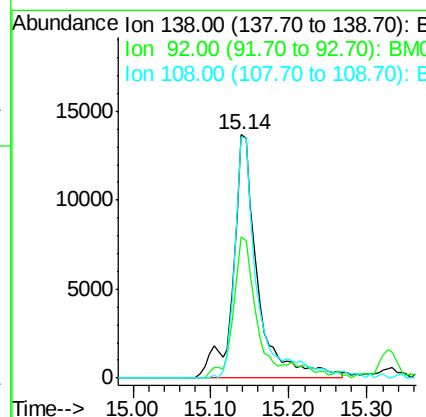
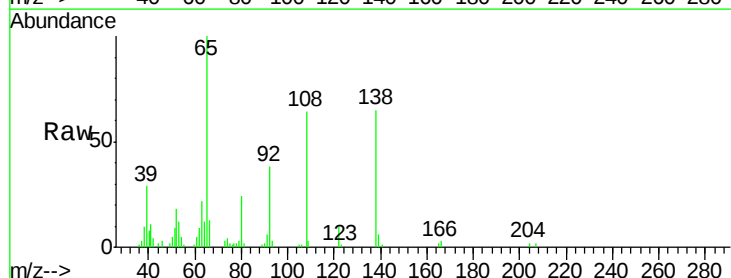
Manual Integrations
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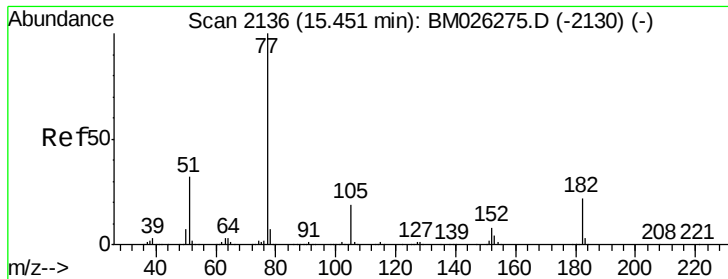
mohammad
6/22/2020 3:23:10 PM



#62
4-Nitroaniline
Concen: 5.140 ng m
RT: 15.14 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.0	37.5	77.5
108	99.1	66.3	106.3





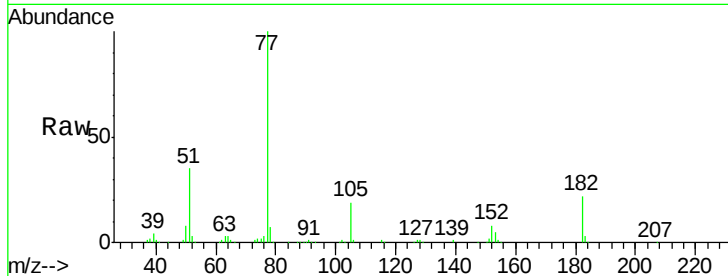
#63
Azobenzene
Concen: 7.593 ng
RT: 15.40 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	21.9	2.1	42.1	
105	18.9	0.0	38.3	
51	35.2	13.5	53.5	

Manual Integrations
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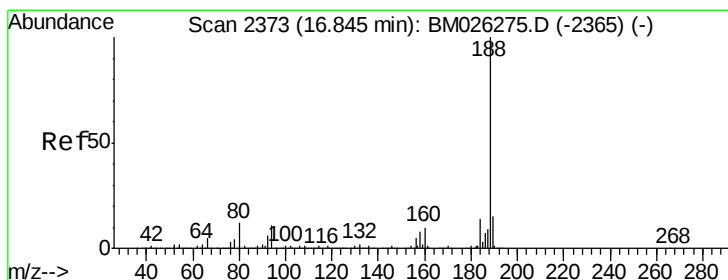
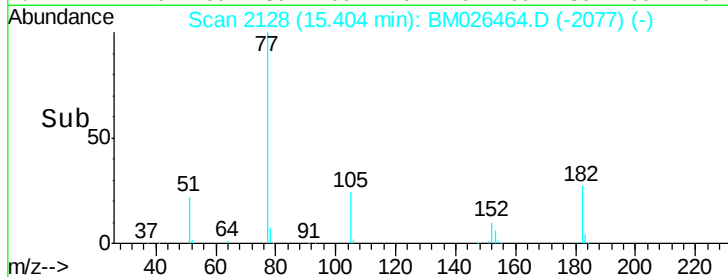
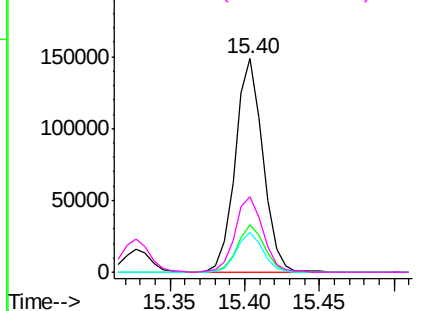


Abundance Ion 77.00 (76.70 to 77.70): BM026464.D (-2077) (-)

Ion 182.00 (181.70 to 182.70): BM026464.D (-2077) (-)

Ion 105.00 (104.70 to 105.70): BM026464.D (-2077) (-)

Ion 51.00 (50.70 to 51.70): BM026464.D (-2077) (-)



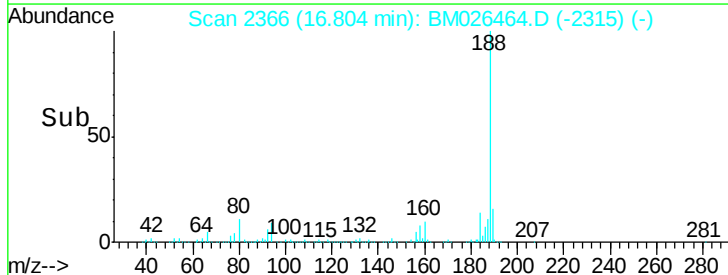
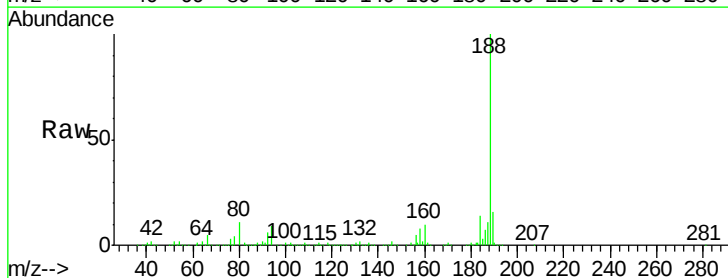
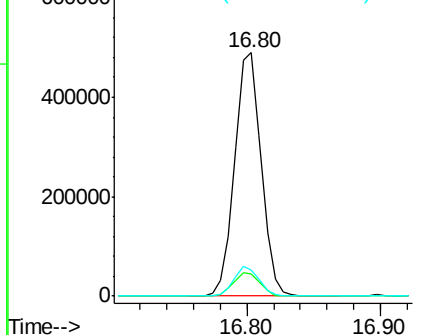
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.80 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

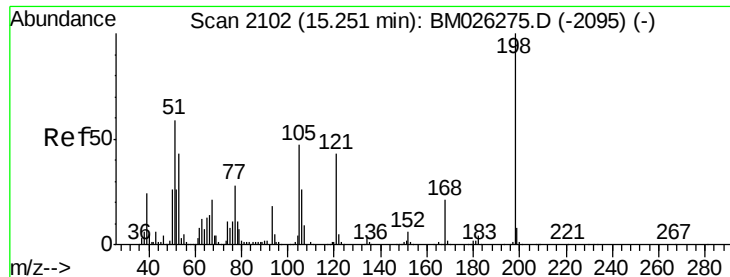
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.1	7.8	11.6	
80	10.9	9.5	14.3	

Abundance Ion 188.00 (187.70 to 188.70): BM026464.D (-2315) (-)

Ion 94.00 (93.70 to 94.70): BM026464.D (-2315) (-)

Ion 80.00 (79.70 to 80.70): BM026464.D (-2315) (-)





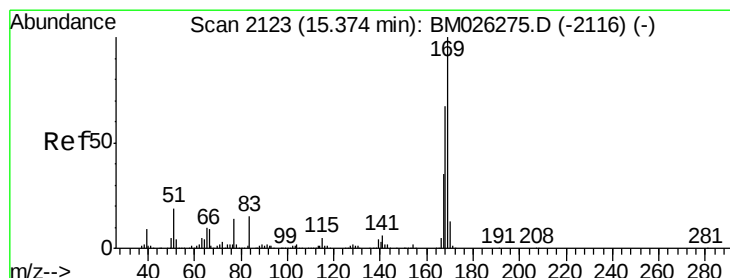
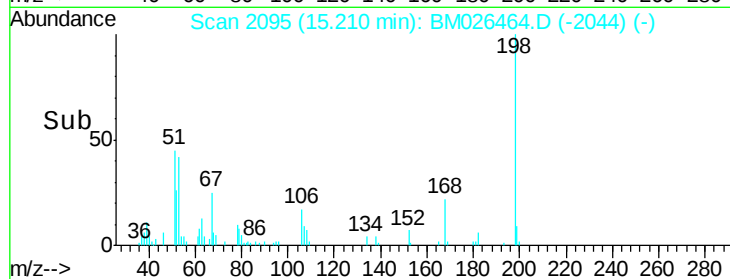
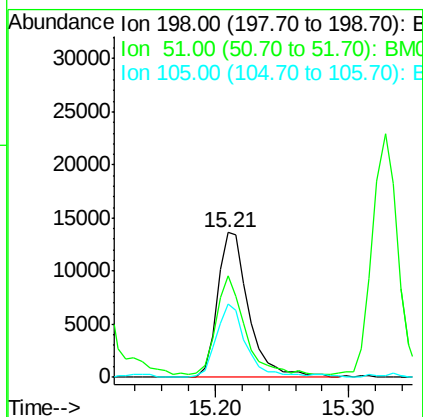
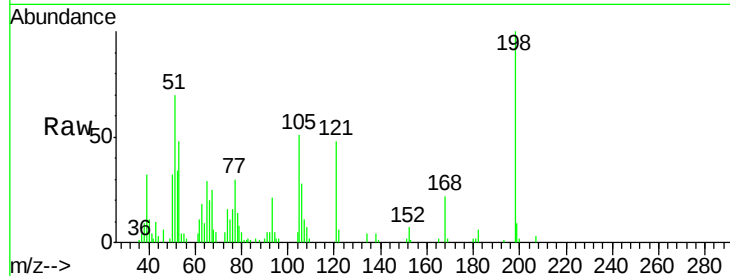
#65
4,6-Dinitro-2-methylphenol
Concen: 5.417 ng
RT: 15.21 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	70.5	35.6	75.6
105	51.2	24.3	64.3

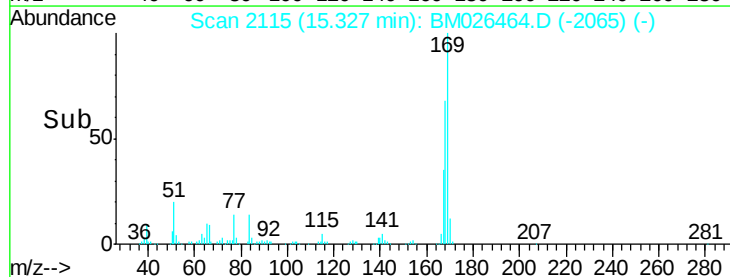
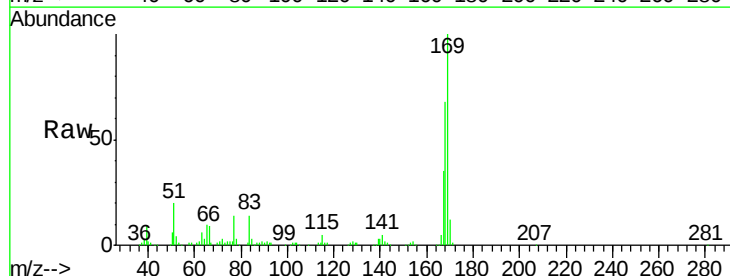
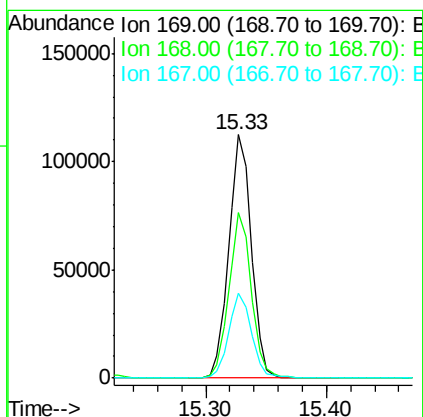
Manual Integrations
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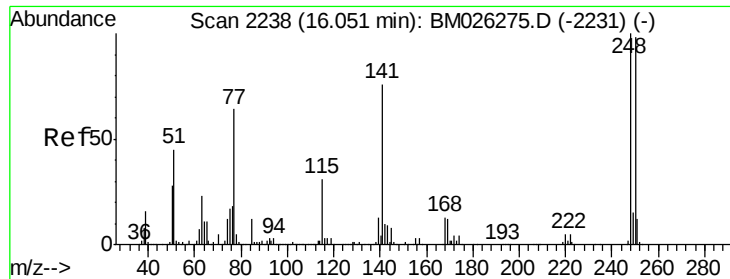
mohammad
6/22/2020 3:23:10 PM



#66
n-Nitrosodiphenylamine
Concen: 7.439 ng
RT: 15.33 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.8	51.6	77.4
167	35.1	28.2	42.4





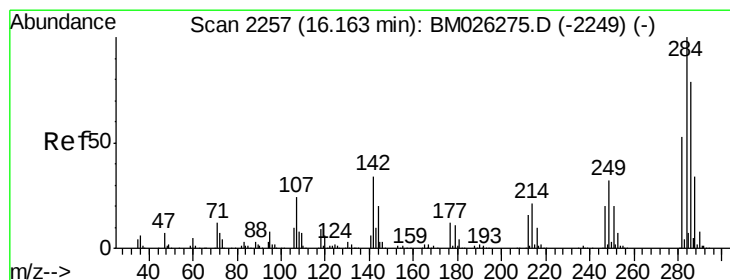
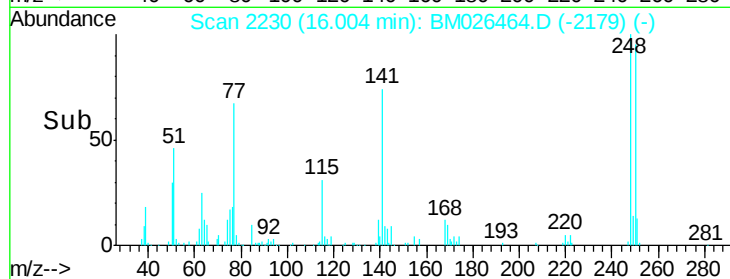
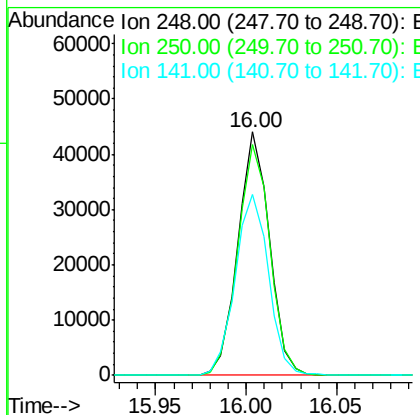
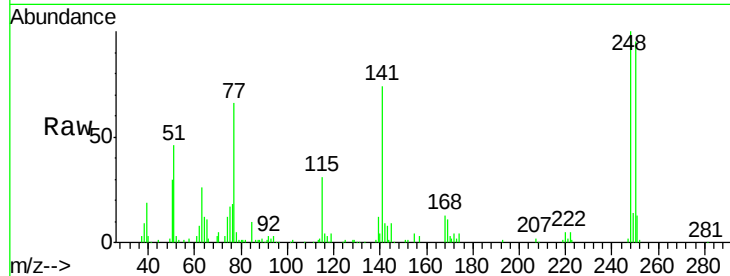
#67
 4-Bromophenyl-phenylether
 Concen: 7.117 ng
 RT: 16.00 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.7	78.4	117.6
141	74.3	60.6	91.0

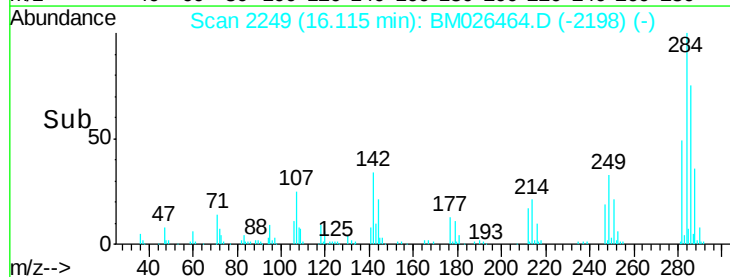
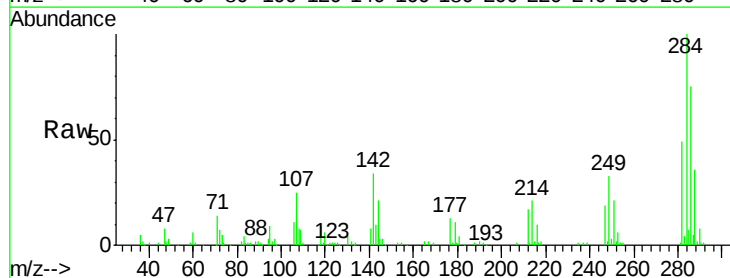
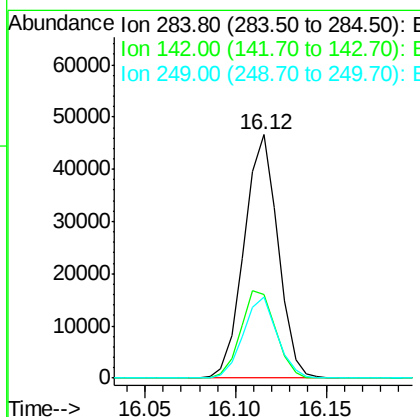
Manual Integrations
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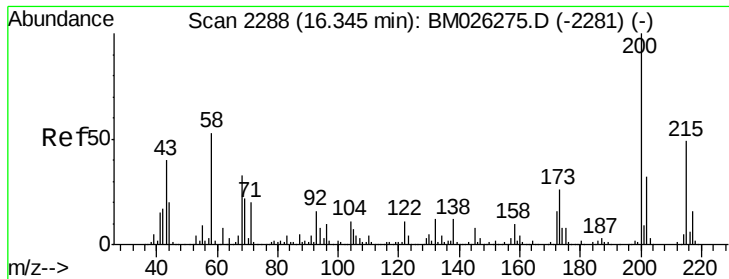
mohammad
 6/22/2020 3:23:10 PM



#68
 Hexachlorobenzene
 Concen: 7.775 ng
 RT: 16.12 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.1	29.1	43.7
249	33.1	27.2	40.8





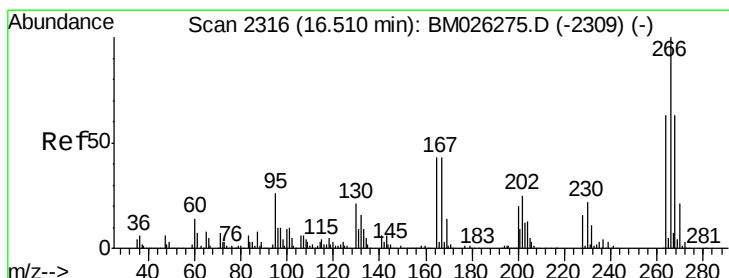
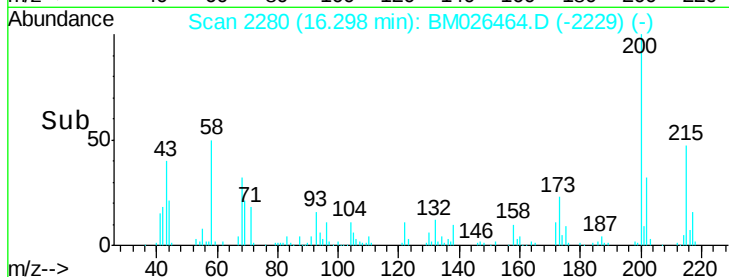
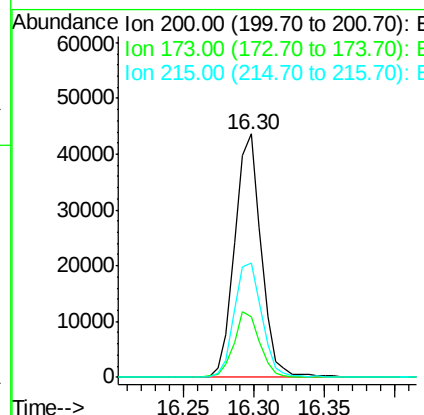
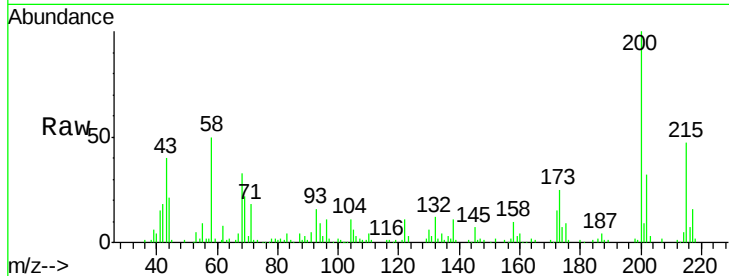
#69
 Atrazine
 Concen: 9.742 ng
 RT: 16.30 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.7	6.6	46.6
215	47.1	29.8	69.8

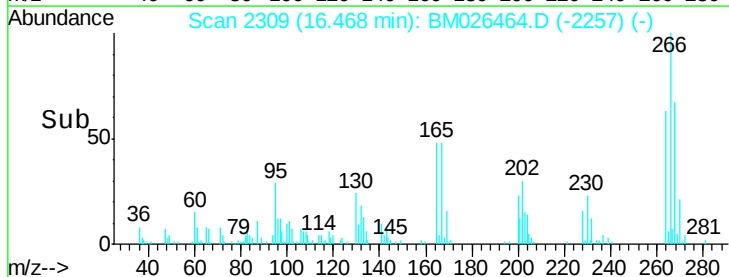
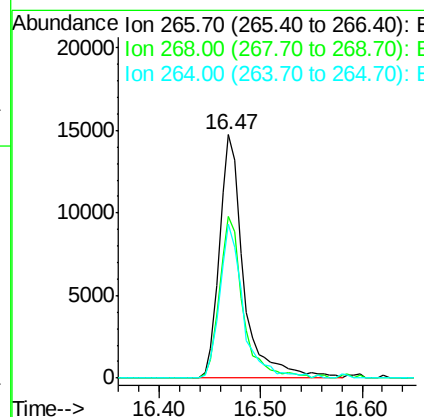
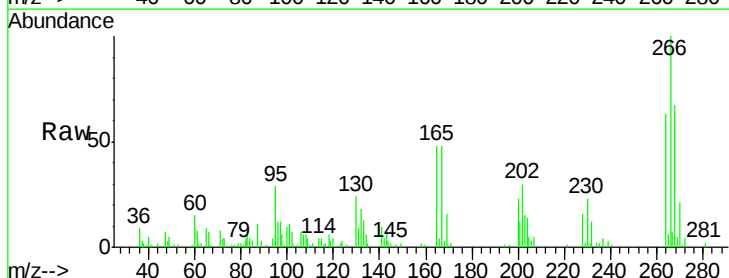
Manual Integrations
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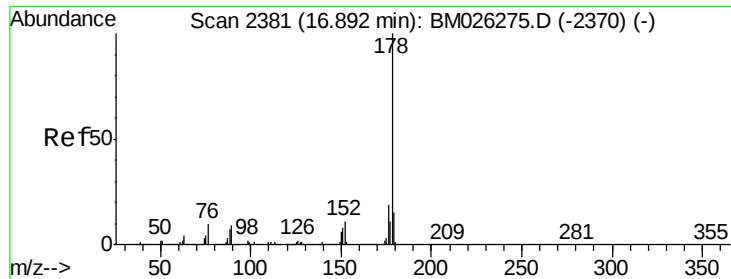
mohammad
 6/22/2020 3:23:10 PM



#70
 Pentachlorophenol
 Concen: 5.219 ng
 RT: 16.47 min Scan# 2309
 Delta R.T. 0.01 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.5	50.2	75.4
264	63.0	50.6	75.8





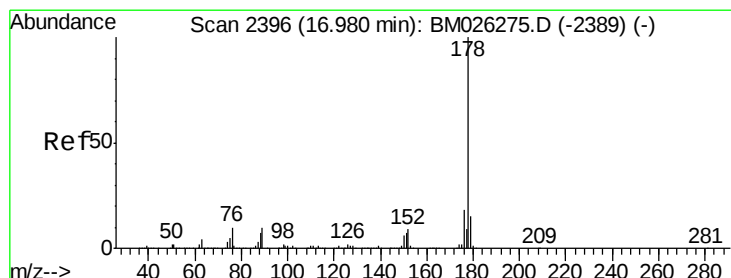
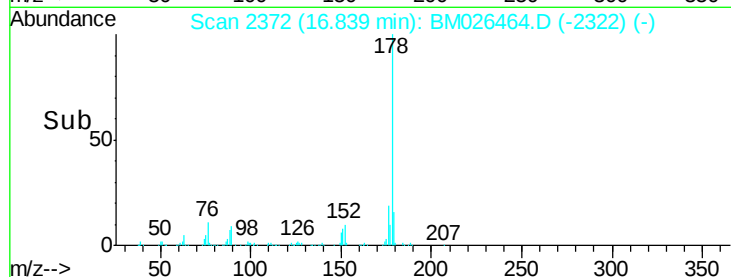
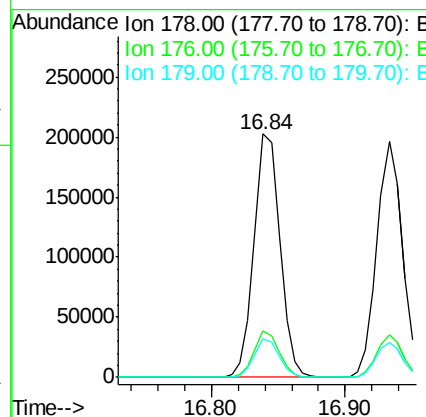
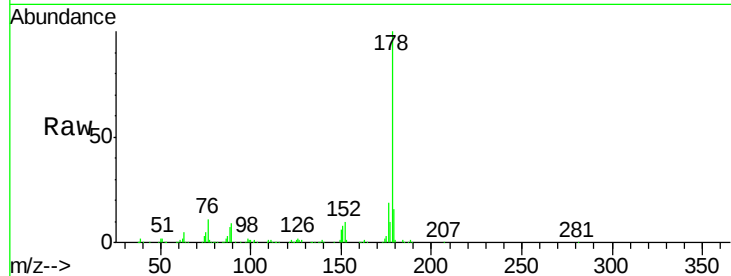
#71
Phenanthrene
Concen: 7.686 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.3	18.5

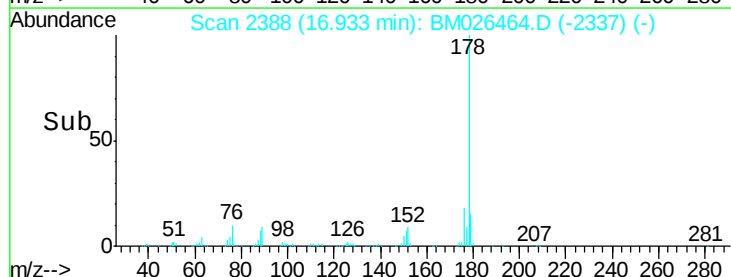
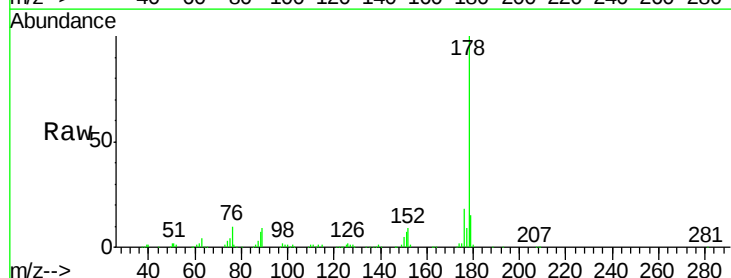
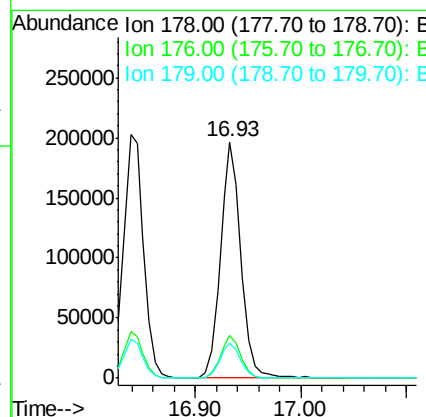
Manual Integrations
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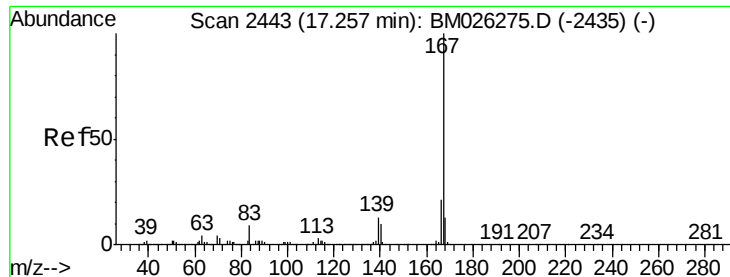
mohammad
6/22/2020 3:23:10 PM



#72
Anthracene
Concen: 7.486 ng
RT: 16.93 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.5	21.7
179	14.9	12.3	18.5





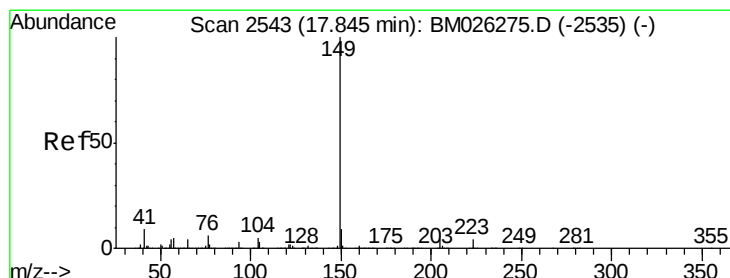
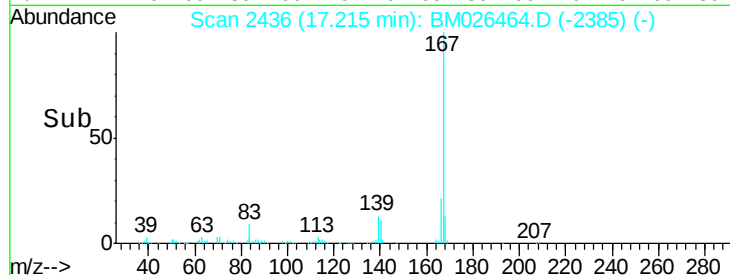
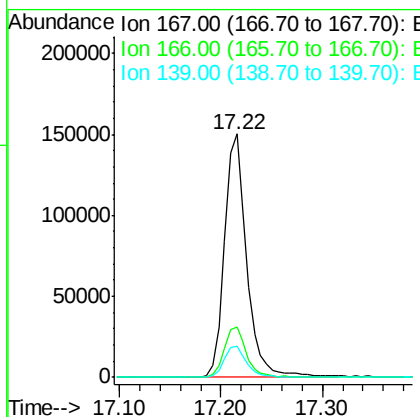
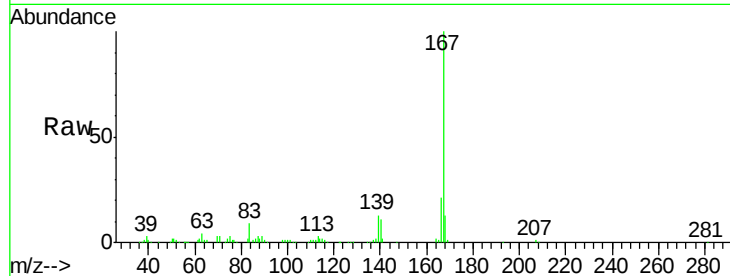
#73
 Carbazole
 Concen: 6.832 ng
 RT: 17.22 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
167	100	228325		
166	20.6		16.9	25.3
139	13.0		10.2	15.4

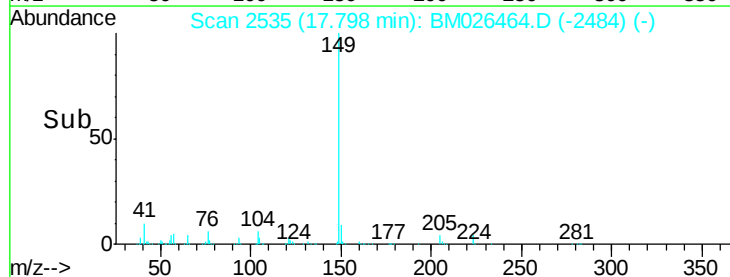
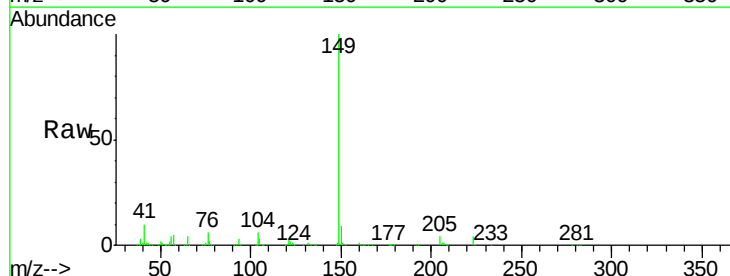
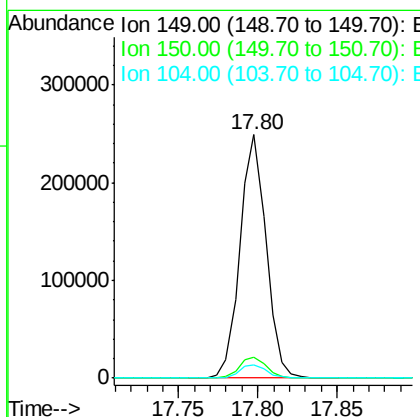
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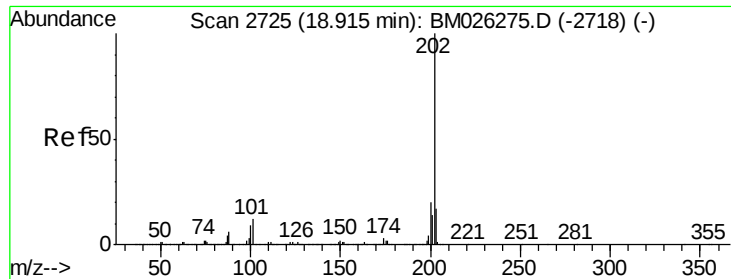
mohammad
 6/22/2020 3:23:10 PM



#74
 Di-n-butylphthalate
 Concen: 7.193 ng
 RT: 17.80 min Scan# 2535
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	283490		
150	8.7		7.1	10.7
104	5.7		4.2	6.2





#75

Fluoranthene

Concen: 7.678 ng

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

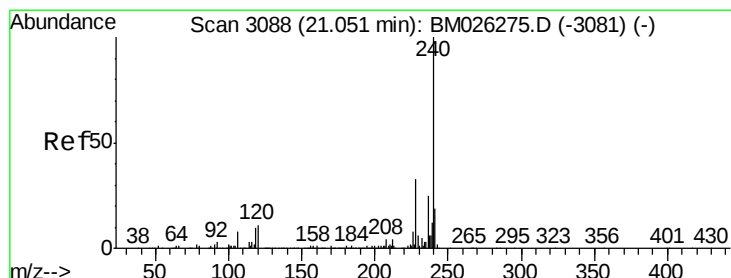
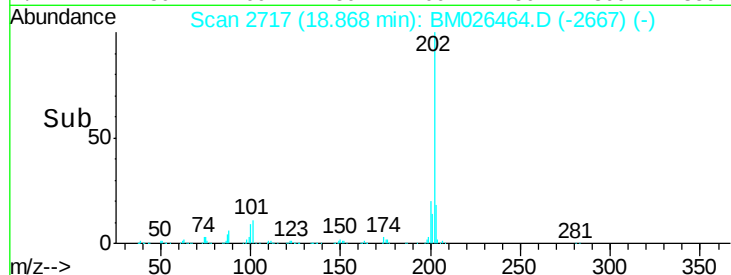
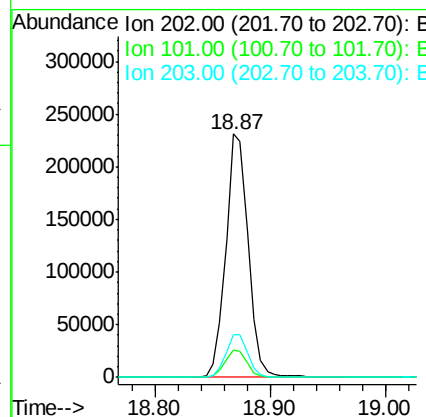
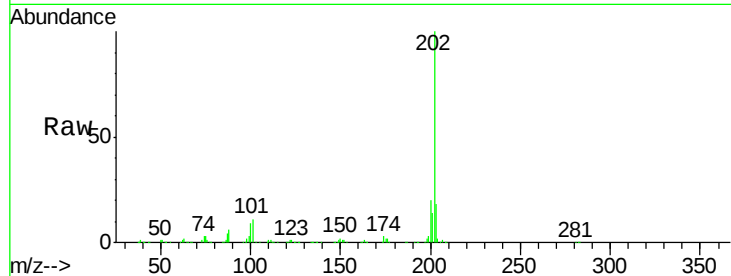
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	31.9
203	17.7	0.0	37.5

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#76

Chrysene-d12

Concen: 20.000 ng

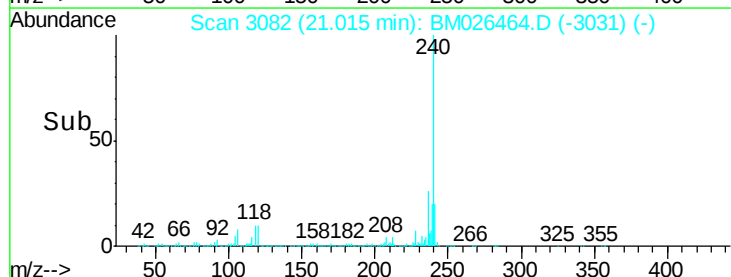
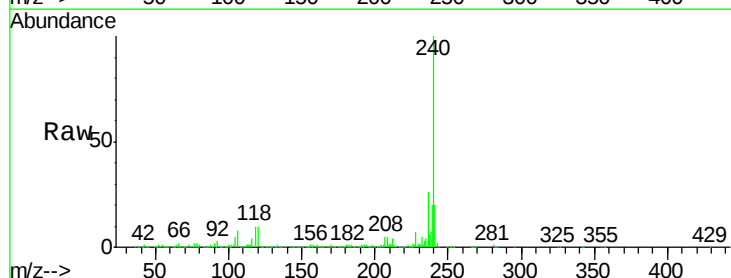
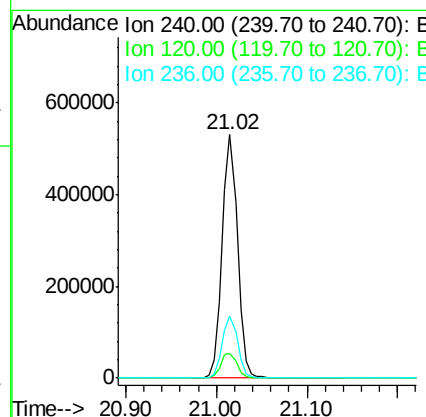
RT: 21.02 min Scan# 3082

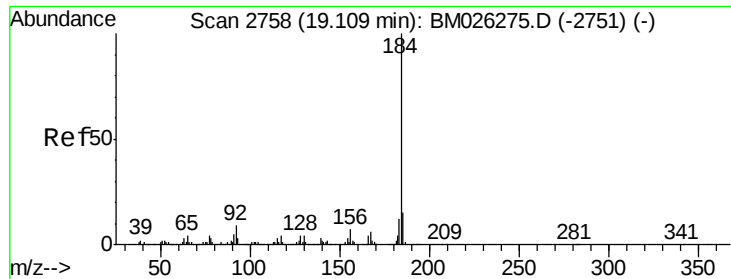
Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	9.3	13.9
236	25.7	19.4	29.0





#77

Benzidine

Concen: 8.049 ng

RT: 19.07 min Scan# 2752

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

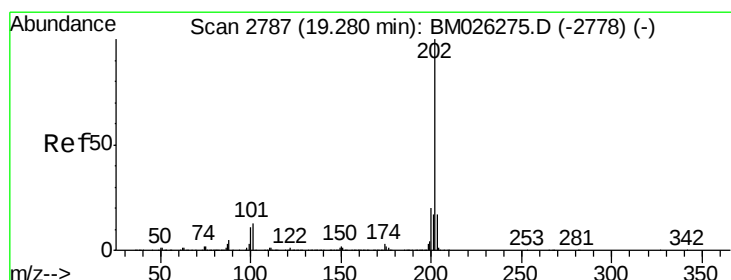
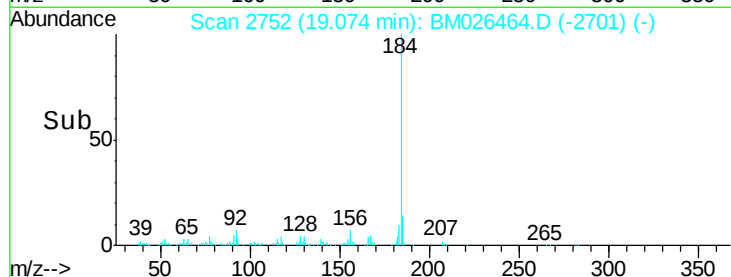
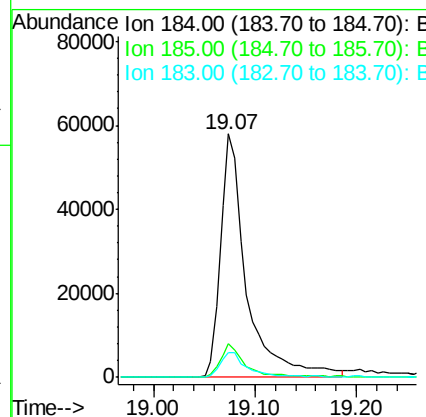
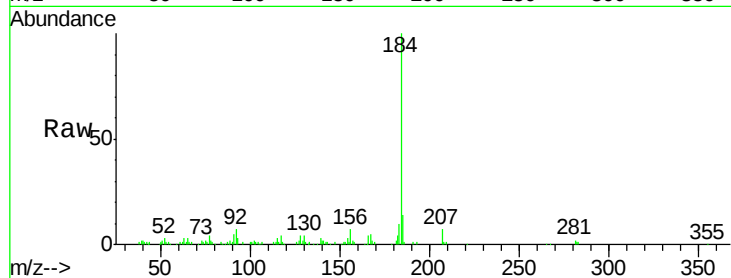
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	184	Resp:	103521
Ion Ratio	Lower	Upper	
184	100		
185	13.7	11.2	16.8
183	10.3	9.4	14.2

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#78

Pyrene

Concen: 7.959 ng

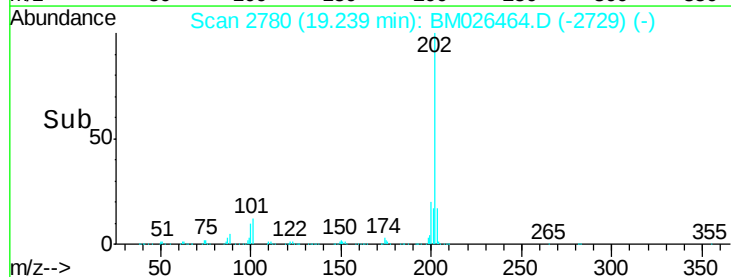
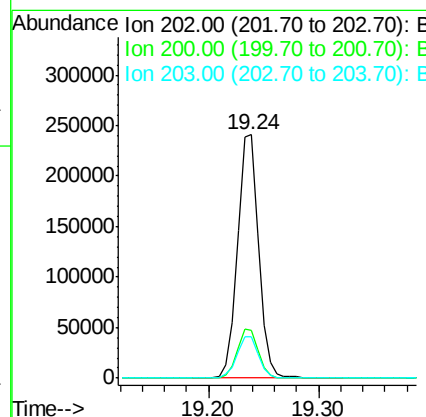
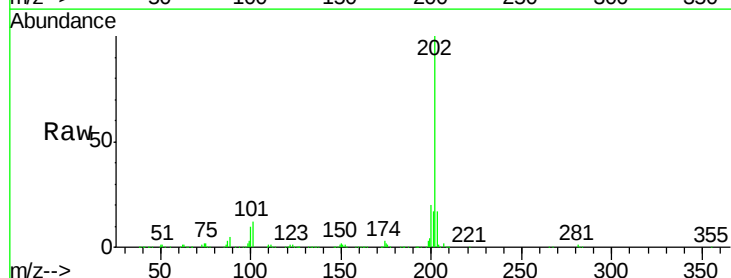
RT: 19.24 min Scan# 2780

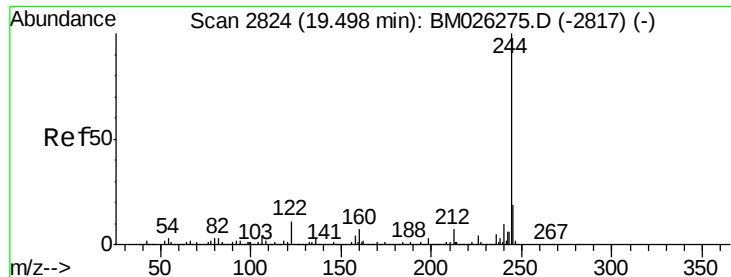
Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion:	202	Resp:	325635
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.3	24.5
203	16.9	13.8	20.6





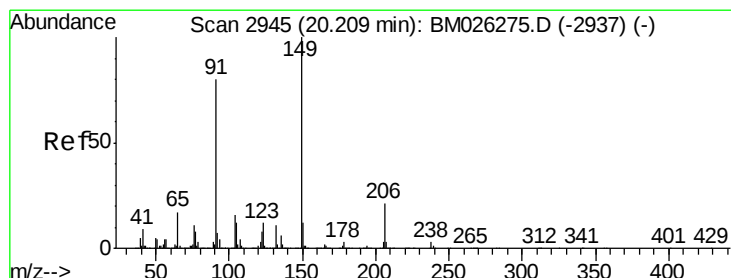
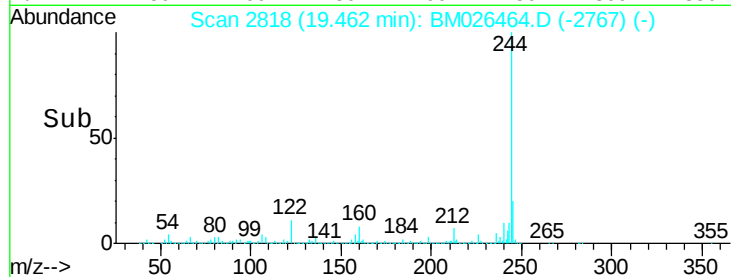
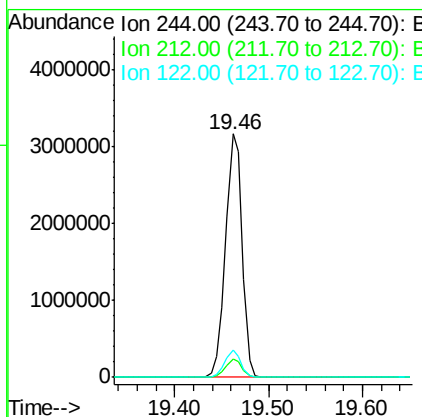
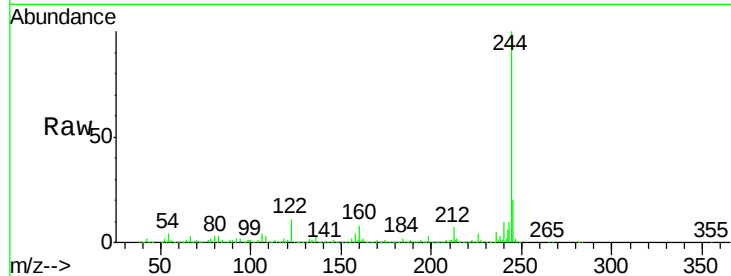
#79
 Terphenyl-d14
 Concen: 121.008 ng
 RT: 19.46 min Scan# 2818
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:244 Resp: 3860014
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 11.1 8.6 13.0

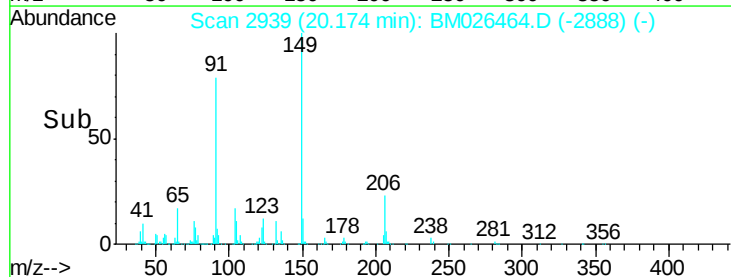
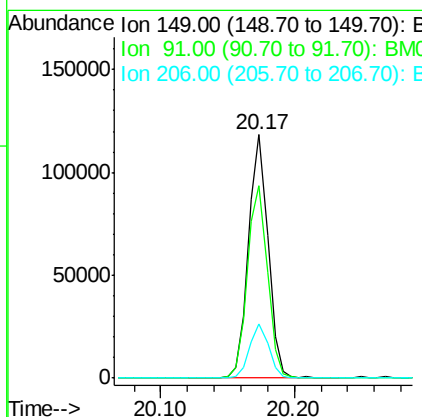
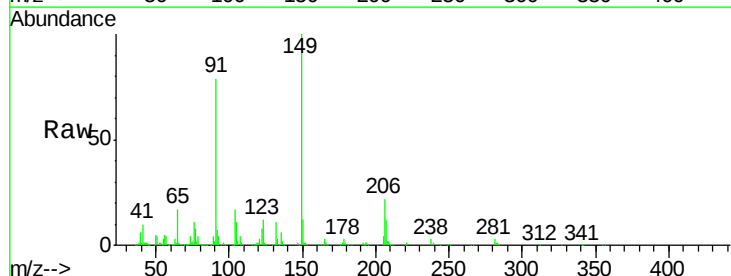
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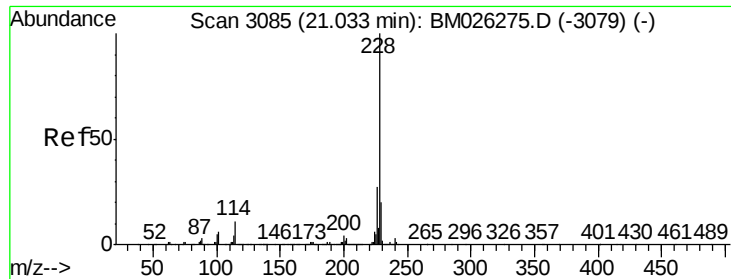
mohammad
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#80
 Butylbenzylphthalate
 Concen: 7.209 ng
 RT: 20.17 min Scan# 2939
 Delta R.T. -0.00 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion:149 Resp: 119279
 Ion Ratio Lower Upper
 149 100
 91 79.0 64.6 97.0
 206 22.5 17.6 26.4





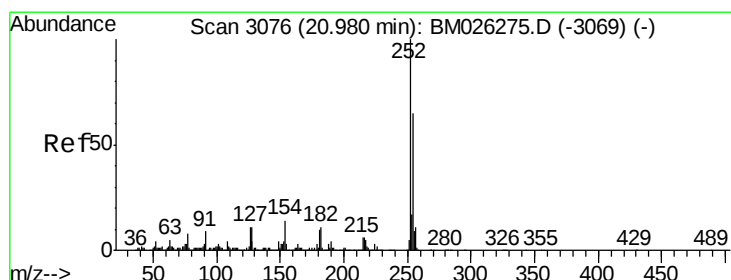
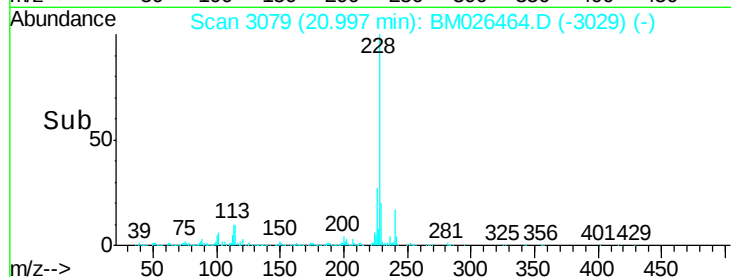
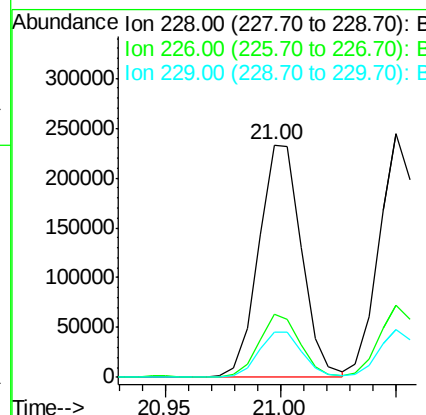
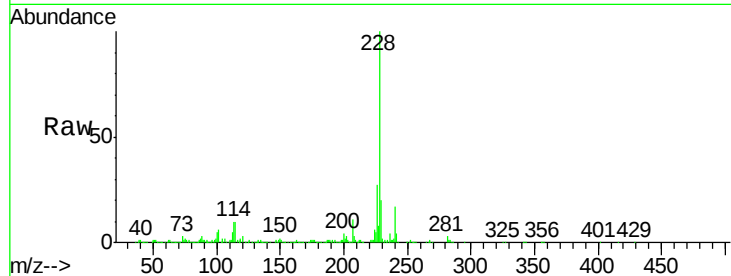
#81
Benzo(a)anthracene
Concen: 8.107 ng
RT: 21.00 min Scan# 3079
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.1	31.7
229	19.6	15.7	23.5

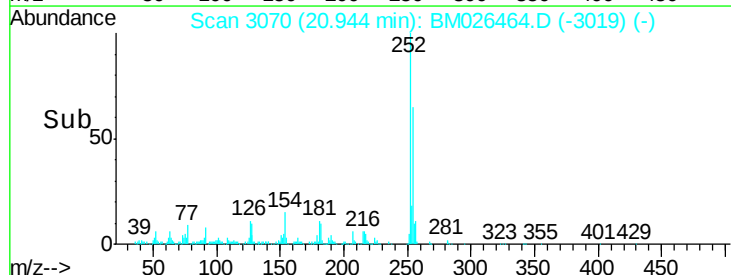
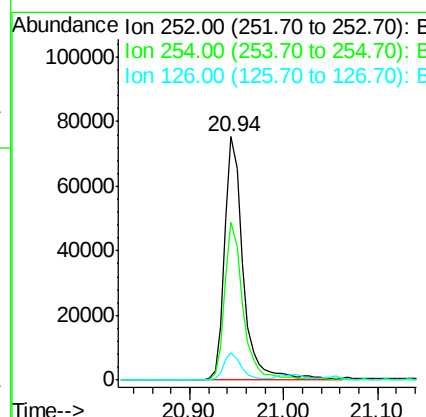
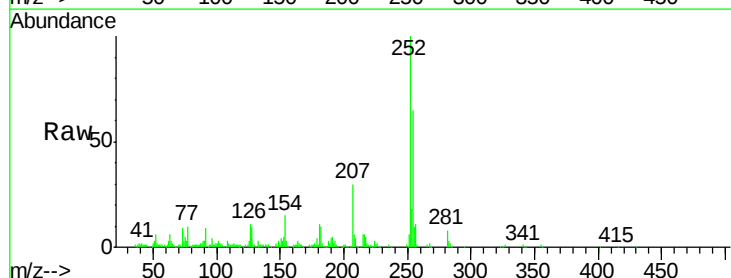
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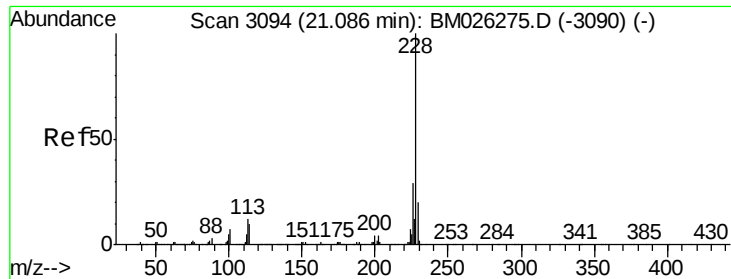
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 9.109 ng
RT: 20.94 min Scan# 3070
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.0	76.6
126	11.2	9.2	13.8





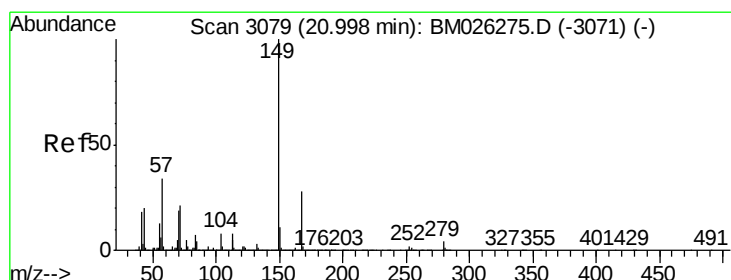
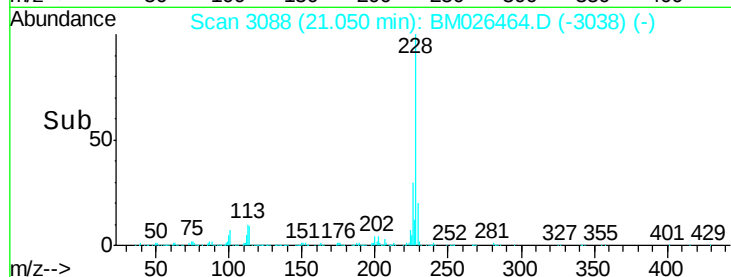
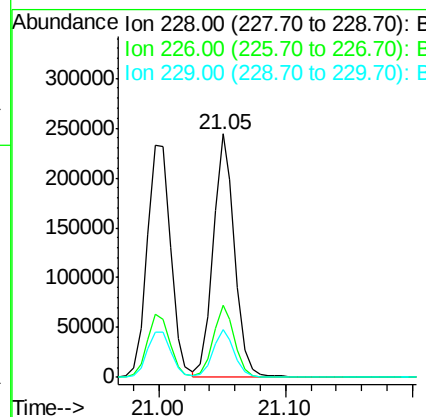
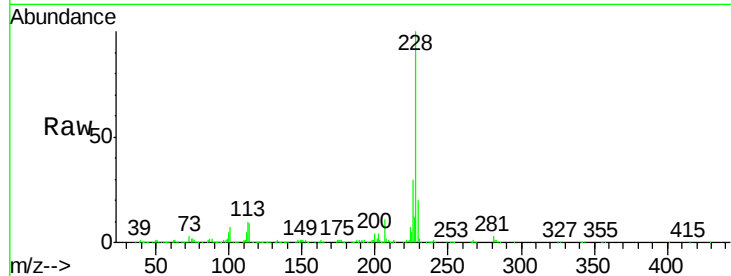
#83
Chrysene
Concen: 8.147 ng
RT: 21.05 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
228	100	288555		
226	29.6		23.8	35.6
229	19.6		15.5	23.3

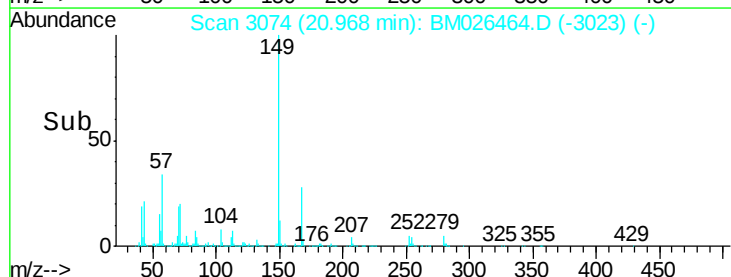
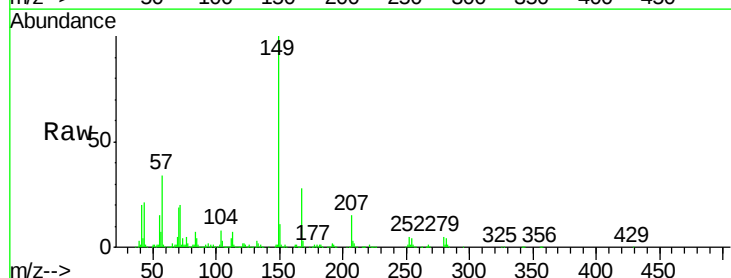
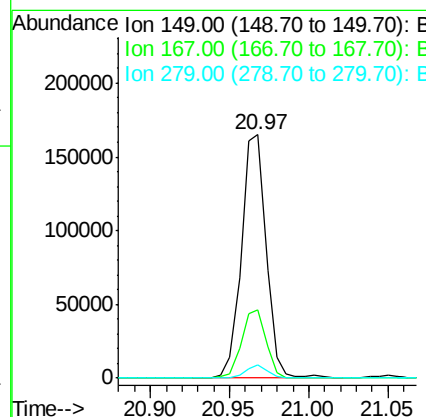
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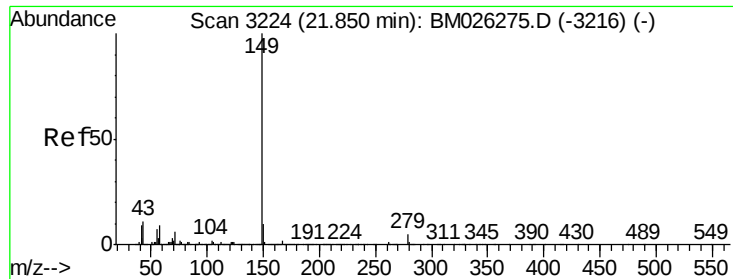
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 7.485 ng
RT: 20.97 min Scan# 3074
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	176569		
167	27.8		22.0	33.0
279	5.4		3.7	5.5





#85

Di-n-octyl phthalate

Concen: 7.347 ng

RT: 21.81 min Scan# 3217

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

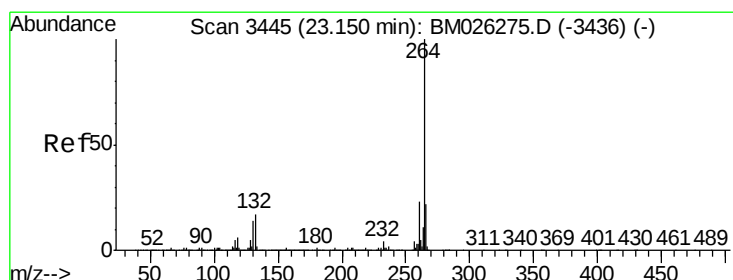
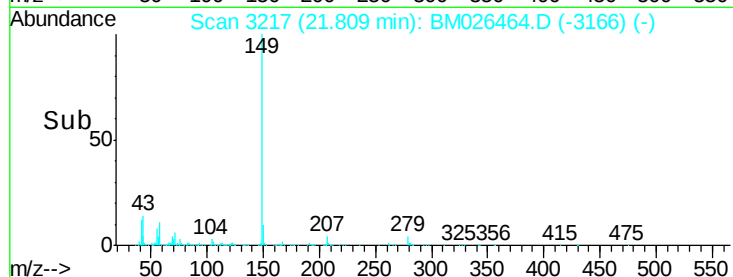
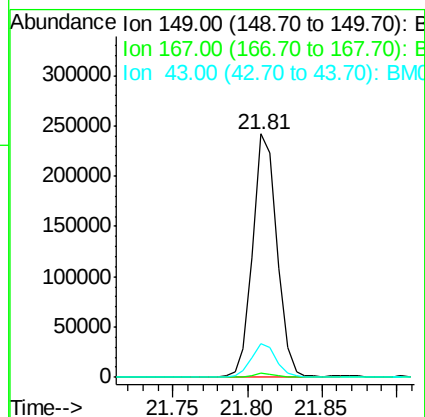
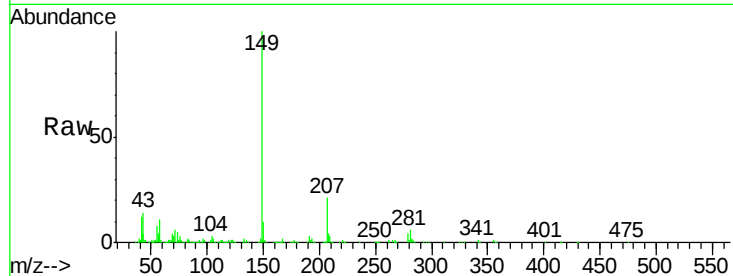
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:	149	Resp:	267392
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	14.1	10.3	15.5

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#86

Perylene-d12

Concen: 20.000 ng

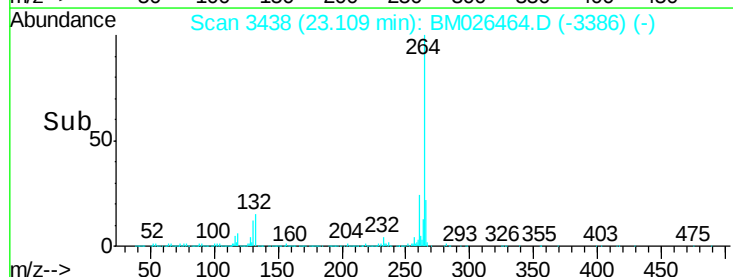
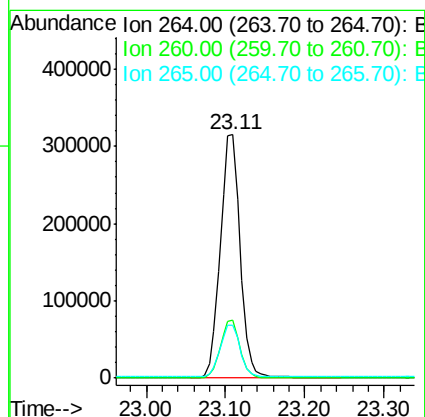
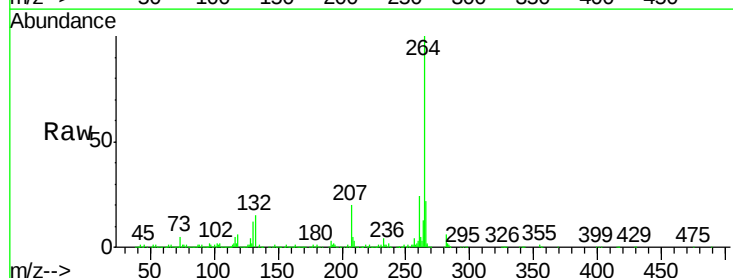
RT: 23.11 min Scan# 3438

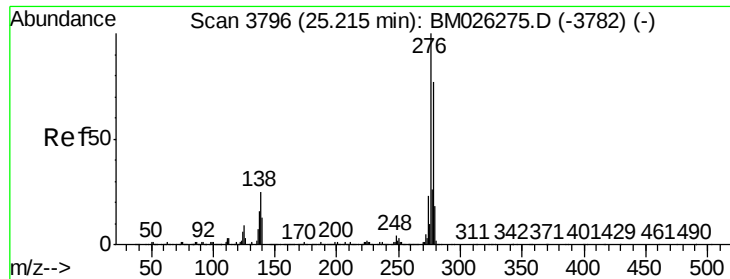
Delta R.T. 0.01 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion:	264	Resp:	549531
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	21.9	17.8	26.6





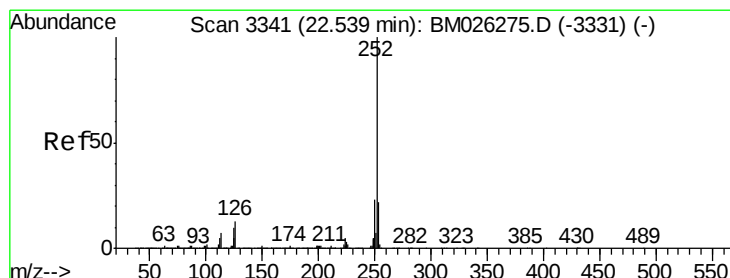
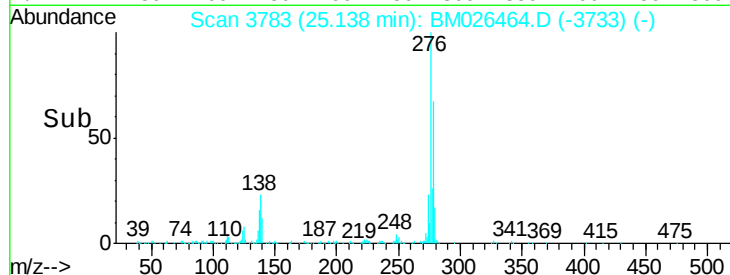
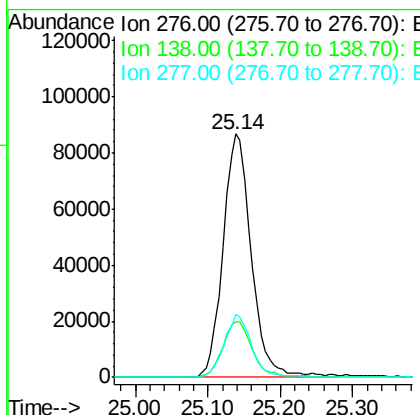
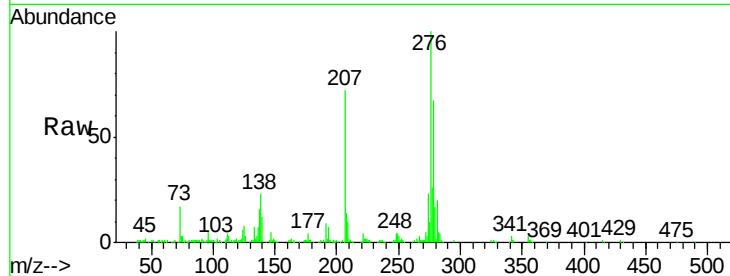
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.384 ng
 RT: 25.14 min Scan# 3783
 Delta R.T. -0.01 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	19.0	28.6
277	25.0	20.2	30.4

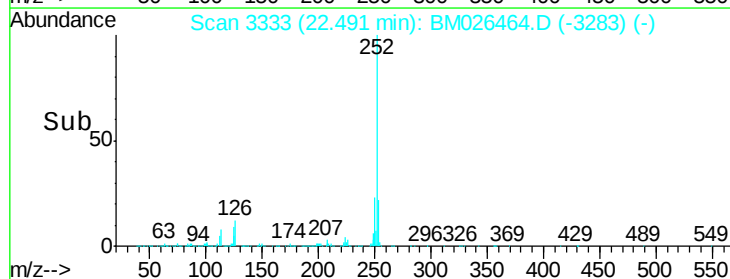
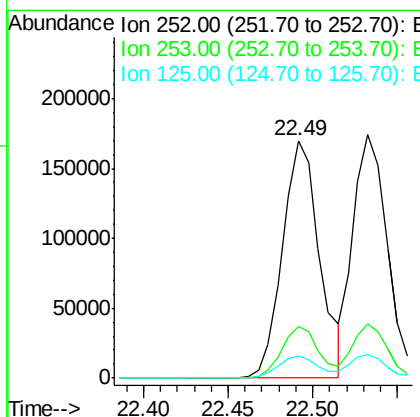
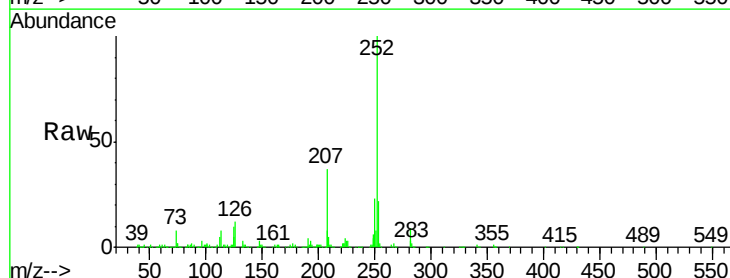
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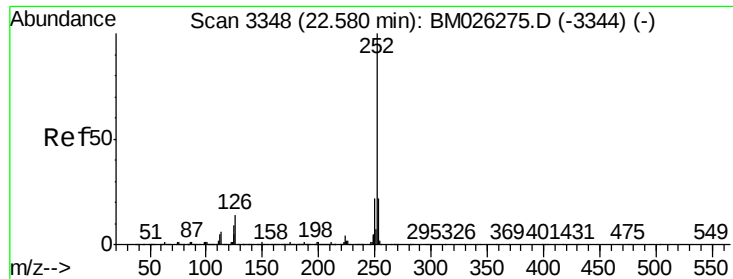
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 7.779 ng
 RT: 22.49 min Scan# 3333
 Delta R.T. -0.01 min
 Lab File: BM026464.D
 Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.5	8.0	12.0





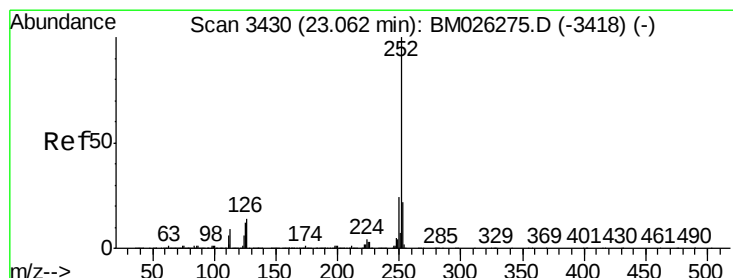
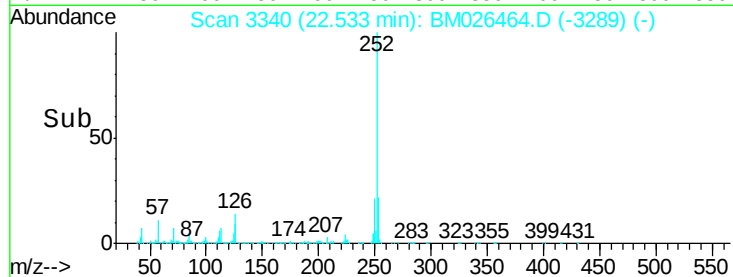
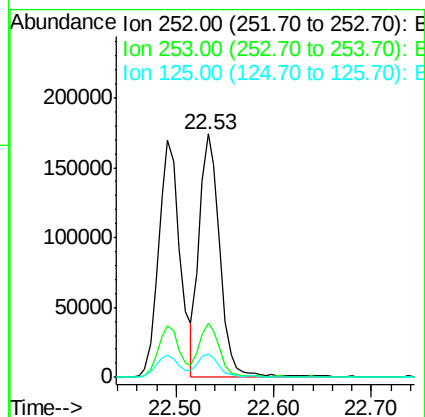
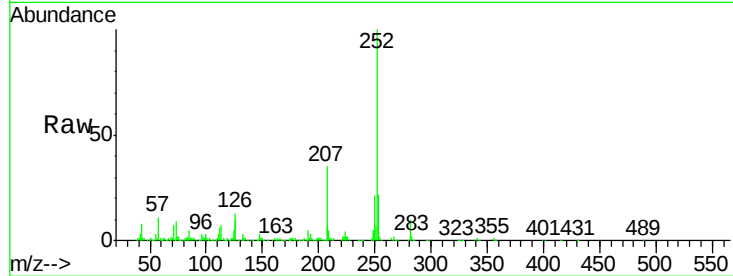
#89
Benzo(k)fluoranthene
Concen: 7.801 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.00 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
252	100	250523		
253	22.2	17.2	25.8	
125	9.7	7.8	11.8	

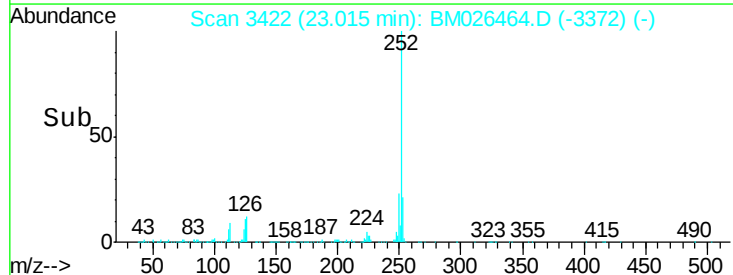
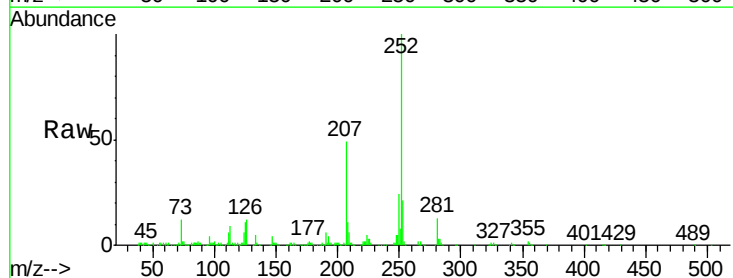
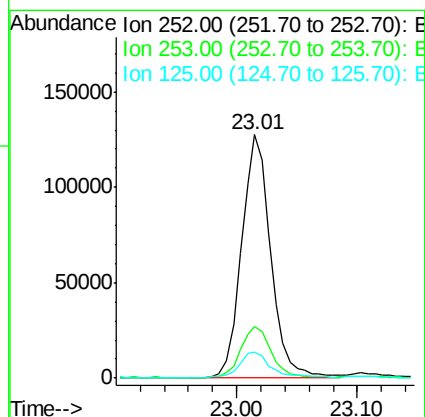
Manual Integrations
APPROVED

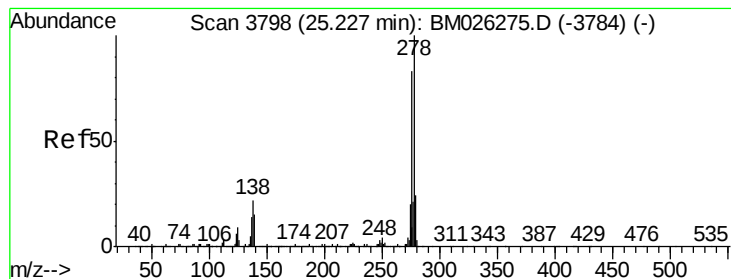
mohammad
6/22/2020 3:23:10 PM



#90
Benzo(a)pyrene
Concen: 7.276 ng
RT: 23.01 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BM026464.D
Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	213628		
253	21.2	17.3	25.9	
125	10.8	8.6	12.8	





#91

Dibenzo(a,h)anthracene

Concen: 7.308 ng

RT: 25.15 min Scan# 3785

Delta R.T. -0.01 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Instrument :

BNA_M

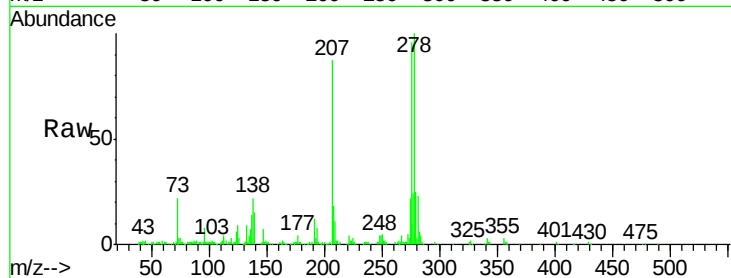
ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

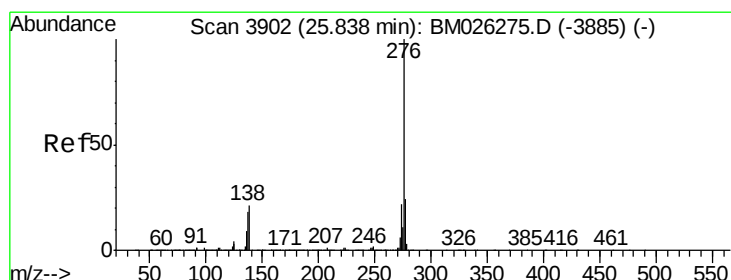
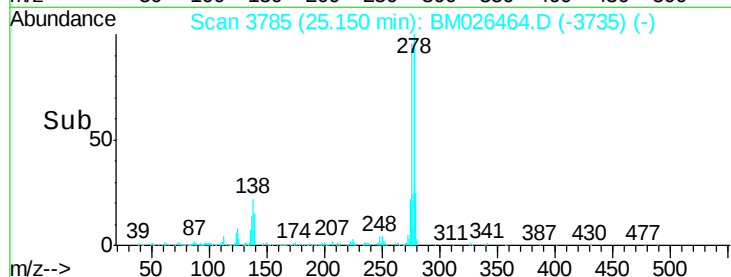
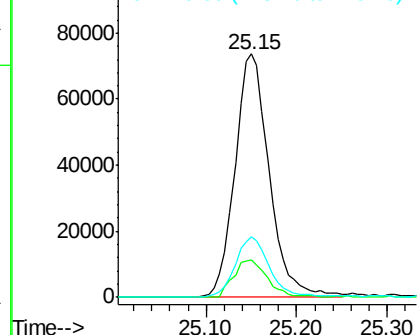
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.3	18.5
279	25.1	18.9	28.3

Manual Integrations
APPROVED

mohammad
6/22/2020 3:23:10 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.684 ng

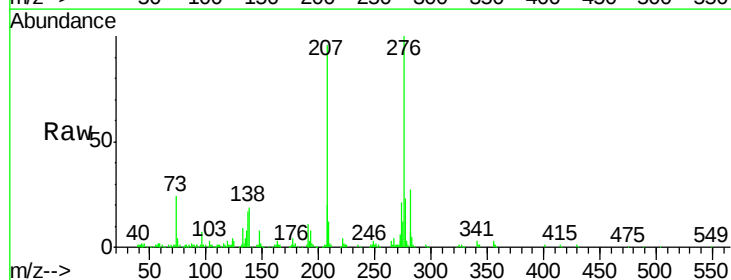
RT: 25.76 min Scan# 3888

Delta R.T. -0.00 min

Lab File: BM026464.D

Acq: 19 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.4
138	19.2	16.2	24.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

