

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026688.D
 Acq On : 07 Jul 2020 22:07
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-S-5PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/9/2020 10:56:41 AM

Quant Time: Jul 08 05:49:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	53871	20.00	ng	0.00
21) Naphthalene-d8	10.09	136	239112	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	169942	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	392844	20.00	ng	0.00
76) Chrysene-d12	20.97	240	473280	20.00	ng	0.00
86) Perylene-d12	23.04	264	499692	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.96	112	558617	173.80	ng	0.00
7) Phenol-d6	6.54	99	835786	163.21	ng	0.00
23) Nitrobenzene-d5	8.48	82	885028	157.91	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	473926	191.44	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	2006843	157.02	ng	0.00
79) Terphenyl-d14	19.42	244	3795906	157.84	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.95	88	8731	5.654	ng	97
3) Pyridine	3.38	79	13253	3.000	ng	90
4) n-Nitrosodimethylamine	3.28	42	12241	4.630	ng	# 99
6) Aniline	6.67	93	29338	4.668	ng	95
8) 2-Chlorophenol	6.90	128	18068	4.719	ng	100
9) Benzaldehyde	6.50	77	20882	7.347	ng	100
10) Phenol	6.56	94	23801	4.703	ng	91
11) bis(2-Chloroethyl)ether	6.78	93	19483	4.604	ng	97
12) 1,3-Dichlorobenzene	7.22	146	19016	4.569	ng	95
13) 1,4-Dichlorobenzene	7.36	146	20207	4.770	ng	93
14) 1,2-Dichlorobenzene	7.67	146	20017	4.744	ng	99
15) Benzyl Alcohol	7.59	79	16524	3.771	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.87	45	40187	4.601	ng	96
17) 2-Methylphenol	7.79	107	15057	3.915	ng	93
18) Hexachloroethane	8.38	117	7688	4.570	ng	90
19) n-Nitroso-di-n-propylamine	8.15	70	18637	4.374	ng	99
20) 3+4-Methylphenols	8.13	107	19752	3.735	ng	96
22) Acetophenone	8.16	105	33424	4.919	ng	# 94
24) Nitrobenzene	8.52	77	28084	4.763	ng	99
25) Isophorone	9.05	82	47628	4.432	ng	99
26) 2-Nitrophenol	9.23	139	8478	3.896	ng	95
27) 2,4-Dimethylphenol	9.31	122	16064	4.540	ng	99
28) bis(2-Chloroethoxy)methane	9.54	93	27874	4.695	ng	92
29) 2,4-Dichlorophenol	9.77	162	14716	3.776	ng	94
30) 1,2,4-Trichlorobenzene	9.96	180	19964	4.592	ng	97
31) Naphthalene	10.13	128	61904	4.655	ng	99
32) Benzoic acid	9.42	122	2620m	0.976	ng	
33) 4-Chloroaniline	10.27	127	23283	4.002	ng	95
34) Hexachlorobutadiene	10.42	225	13260	4.605	ng	97
35) Caprolactam	11.06	113	5025	3.640	ng	92
36) 4-Chloro-3-methylphenol	11.41	107	20405	4.143	ng	93
37) 2-Methylnaphthalene	11.76	142	46789	4.749	ng	99
38) 1-Methylnaphthalene	11.99	142	44347	4.699	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	25833	4.702	ng	98

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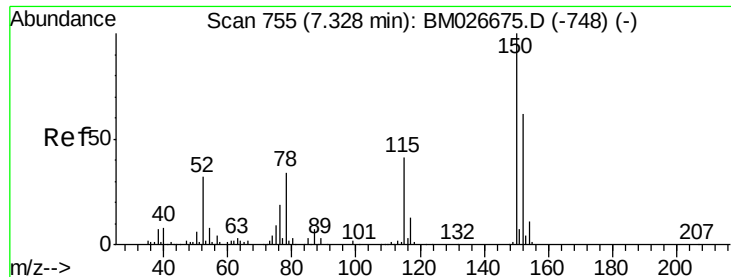
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	6671	2.545	ng	93
43) 2,4,6-Trichlorophenol	12.41	196	13374	3.716	ng	98
44) 2,4,5-Trichlorophenol	12.49	196	15432	3.649	ng	99
46) 1,1'-Biphenyl	12.81	154	69632	5.187	ng	97
47) 2-Chloronaphthalene	12.85	162	47226	4.355	ng	97
48) 2-Nitroaniline	13.07	65	14609	3.274	ng	96
49) Acenaphthylene	13.70	152	76206	4.396	ng	98
50) Dimethylphthalate	13.47	163	65940	4.536	ng	98
51) 2,6-Dinitrotoluene	13.59	165	12427	3.992	ng	88
52) Acenaphthene	14.05	154	47643	4.522	ng	94
53) 3-Nitroaniline	13.92	138	10311	3.184	ng	# 96
54) 2,4-Dinitrophenol	14.16	184	2425	1.331	ng	# 79
55) Dibenzofuran	14.39	168	78038	4.518	ng	96
56) 4-Nitrophenol	14.29	139	5195	2.044	ng	# 86
57) 2,4-Dinitrotoluene	14.39	165	16330	3.635	ng	90
58) Fluorene	15.05	166	62517	4.371	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	15792	4.276	ng	# 97
60) Diethylphthalate	14.85	149	67946	4.421	ng	98
61) 4-Chlorophenyl-phenylether	15.06	204	34006	4.388	ng	99
62) 4-Nitroaniline	15.10	138	7432	2.199	ng	85
63) Azobenzene	15.35	77	70556	4.179	ng	95
65) 4,6-Dinitro-2-methylphenol	15.17	198	6577	2.463	ng	93
66) n-Nitrosodiphenylamine	15.27	169	53690	4.301	ng	98
67) 4-Bromophenyl-phenylether	15.95	248	20424	4.177	ng	96
68) Hexachlorobenzene	16.06	284	23565	4.579	ng	94
69) Atrazine	16.24	200	18927	5.042	ng	93
70) Pentachlorophenol	16.42	266	8759	3.009	ng	95
71) Phenanthrene	16.79	178	107208	4.623	ng	99
72) Anthracene	16.88	178	101582	4.400	ng	99
73) Carbazole	17.16	167	88250	4.009	ng	99
74) Di-n-butylphthalate	17.75	149	109228	3.947	ng	100
75) Fluoranthene	18.82	202	126978	4.445	ng	99
77) Benzidine	19.03	184	41357	4.432	ng	96
78) Pyrene	19.19	202	133823	4.489	ng	99
80) Butylbenzylphthalate	20.13	149	49339	3.688	ng	96
81) Benzo(a)anthracene	20.95	228	146568	4.610	ng	99
82) 3,3'-Dichlorobenzidine	20.90	252	46176	4.576	ng	98
83) Chrysene	21.00	228	143898	4.650	ng	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	83179	3.881	ng	# 99
85) Di-n-octyl phthalate	21.76	149	138242	3.774	ng	94
87) Indeno(1,2,3-cd)pyrene	25.04	276	168231	4.729	ng	100
88) Benzo(b)fluoranthene	22.43	252	144793	4.398	ng	99
89) Benzo(k)fluoranthene	22.47	252	157552	4.878	ng	97
90) Benzo(a)pyrene	22.95	252	131765	4.311	ng	99
91) Dibenzo(a,h)anthracene	25.05	278	141423	4.709	ng	98
92) Benzo(g,h,i)perylene	25.65	276	139977	5.059	ng	99

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



#1

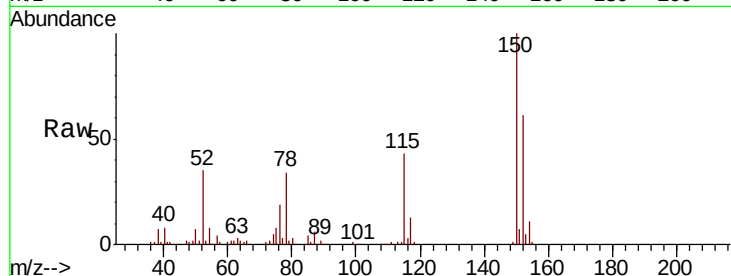
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	128.1	192.1
115	69.5	52.2	78.4

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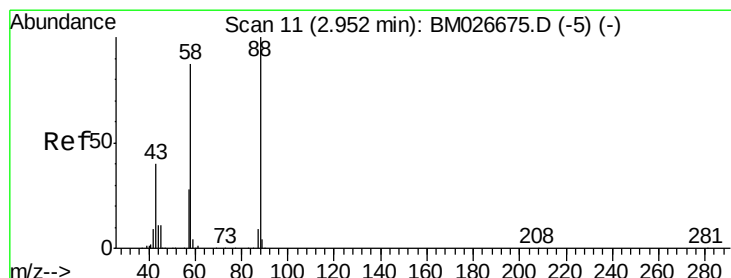
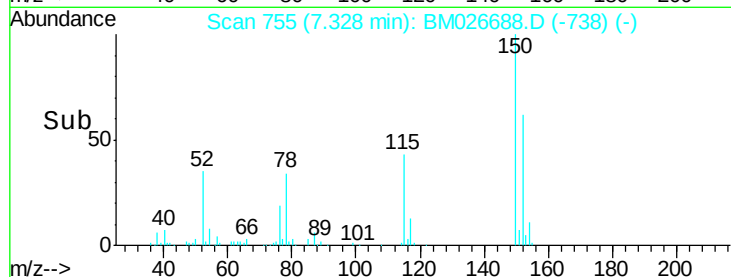
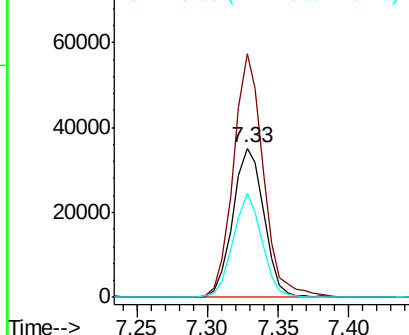


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

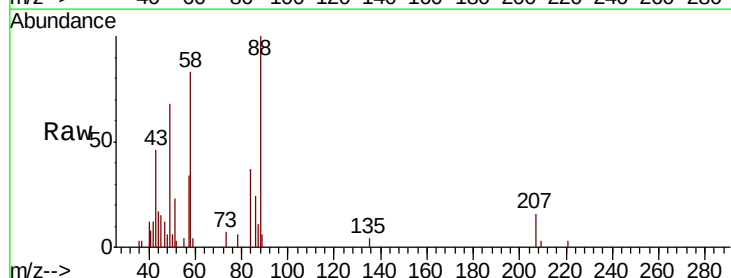
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 5.654 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.6	73.2	109.8
43	48.0	34.3	51.5

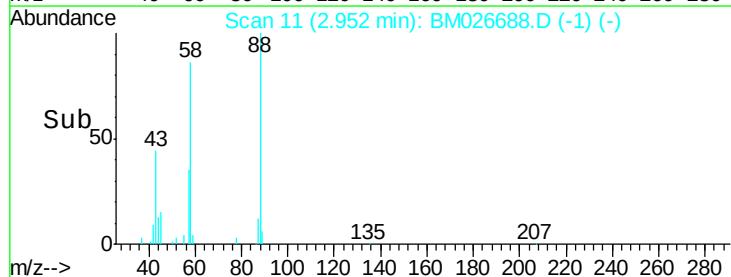
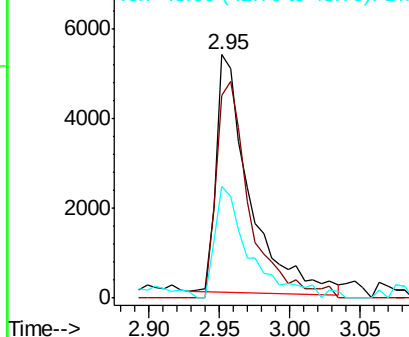


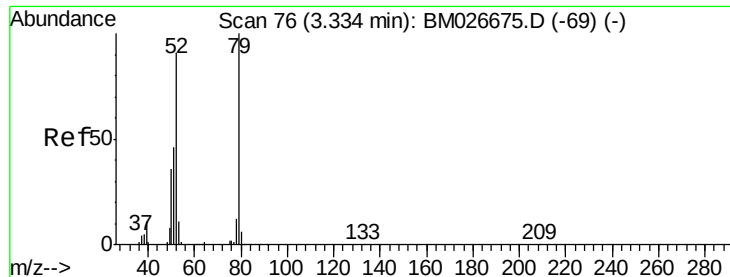
Abundance

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: 3.000 ng

RT: 3.38 min Scan# 84

Delta R.T. 0.05 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

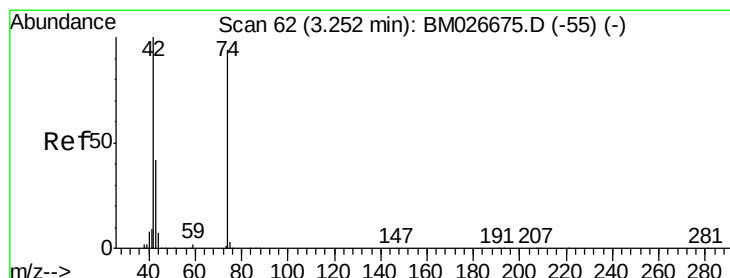
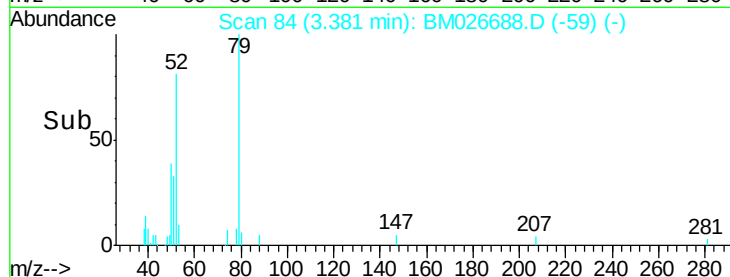
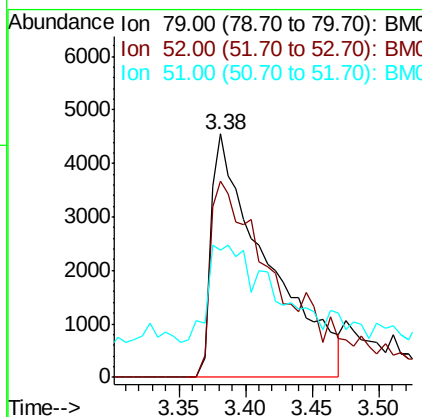
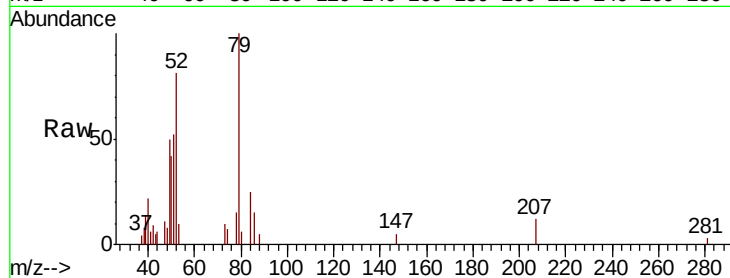
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	13253
Ion	Ratio	Lower	Upper
79	100		
52	80.6	72.9	109.3
51	52.5	37.6	56.4

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#4

n-Nitrosodimethylamine

Concen: 4.630 ng

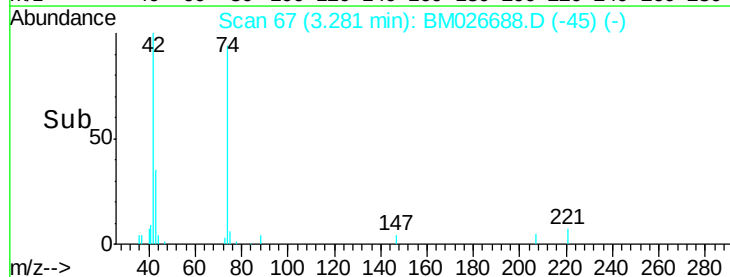
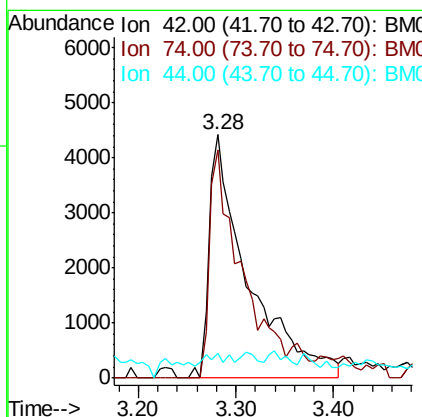
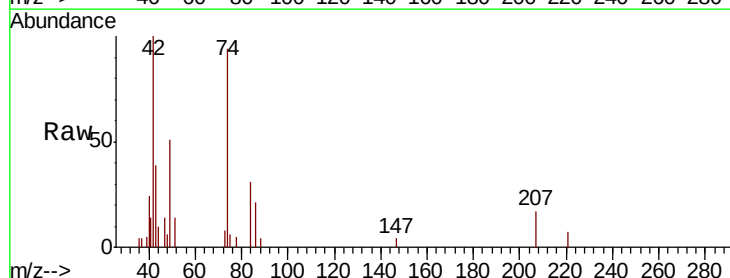
RT: 3.28 min Scan# 67

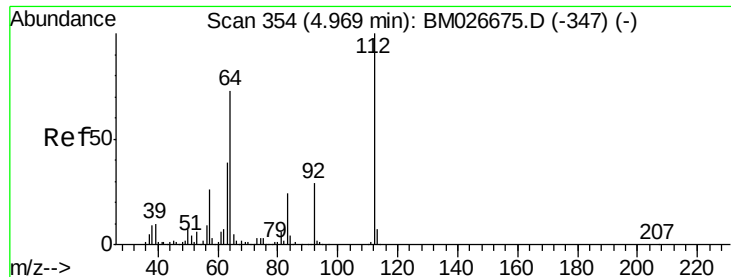
Delta R.T. 0.03 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	42	Resp:	12241
Ion	Ratio	Lower	Upper
42	100		
74	93.6	75.1	112.7
44	10.1	5.7	8.5#





#5

2-Fluorophenol

Concen: 173.803 ng

RT: 4.96 min Scan# 353

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

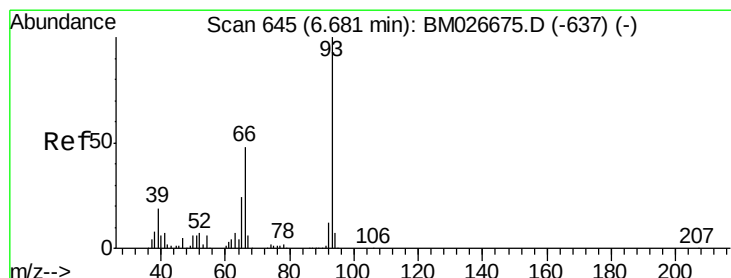
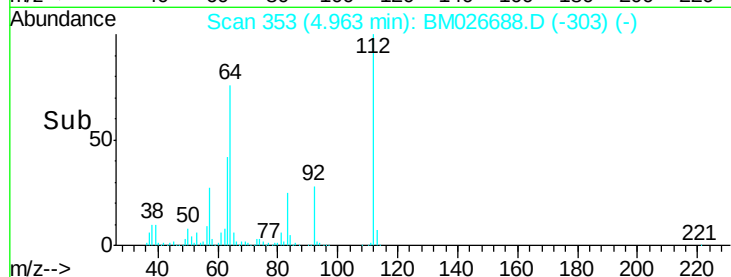
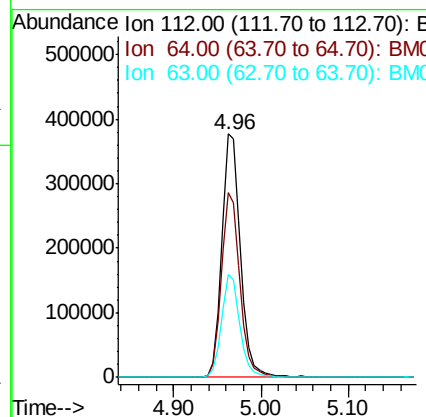
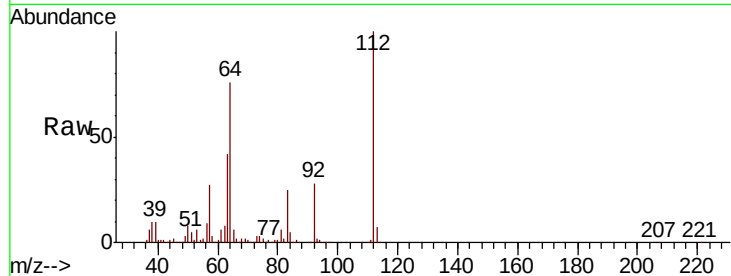
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	112	Resp:	558617
Ion Ratio	Lower	Upper	
112	100		
64	76.0	58.4	87.6
63	42.2	31.5	47.3

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#6

Aniline

Concen: 4.668 ng

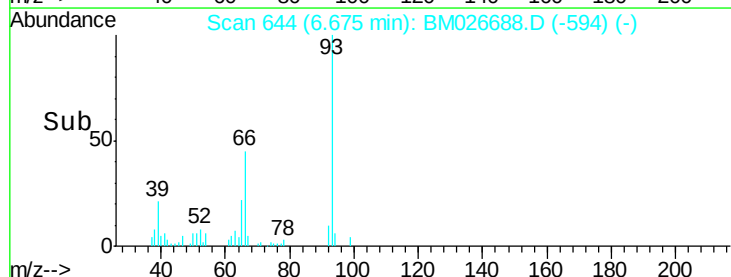
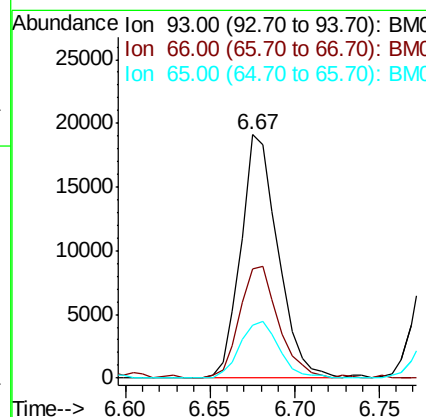
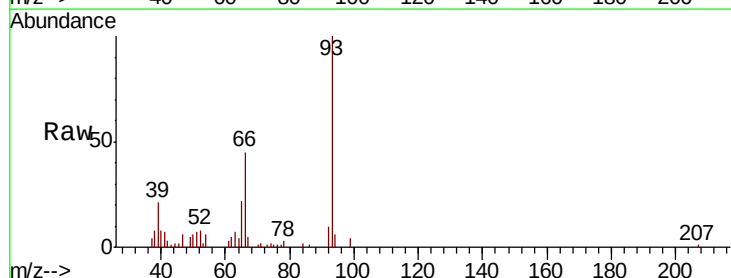
RT: 6.67 min Scan# 644

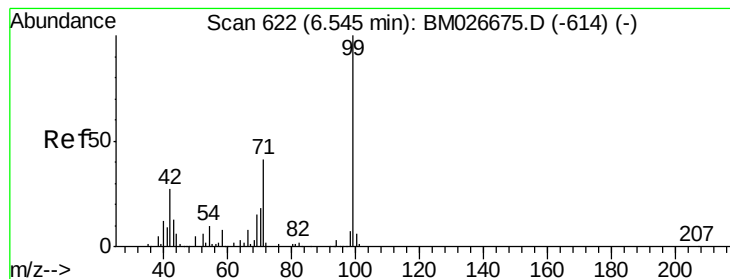
Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	93	Resp:	29338
Ion Ratio	Lower	Upper	
93	100		
66	44.9	38.2	57.4
65	21.9	19.6	29.4





#7

Phenol-d6

Concen: 163.212 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

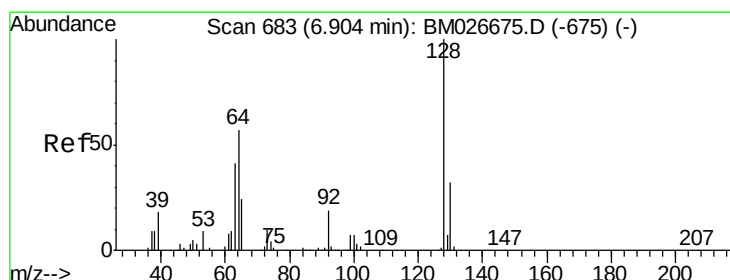
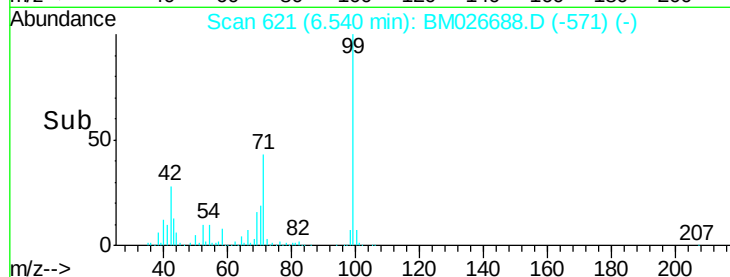
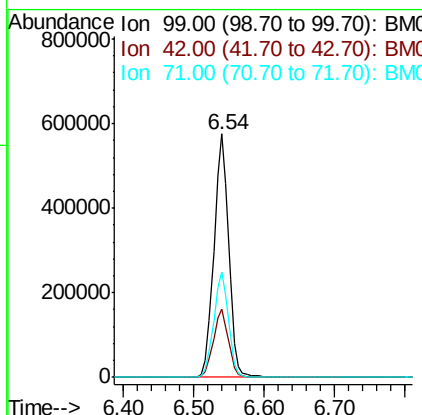
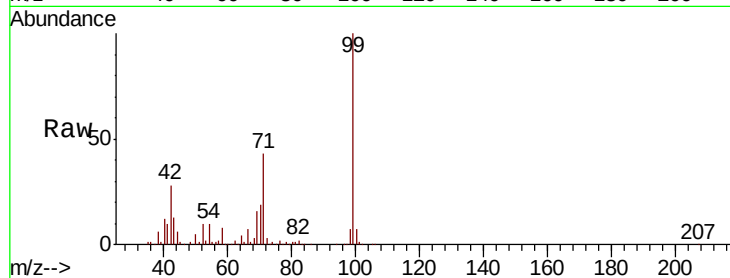
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	99	Resp:	835786
Ion	Ratio	Lower	Upper
99	100		
42	28.1	21.7	32.5
71	43.5	33.2	49.8

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#8

2-Chlorophenol

Concen: 4.719 ng

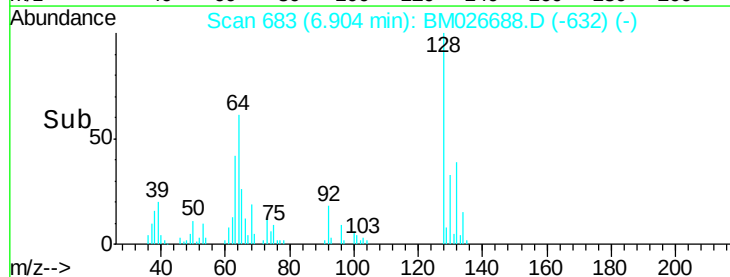
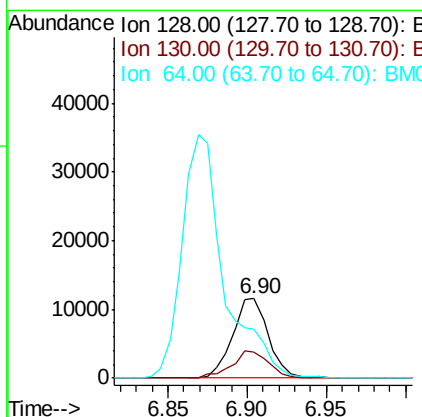
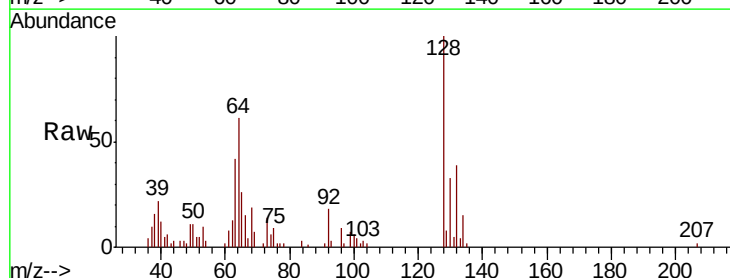
RT: 6.90 min Scan# 683

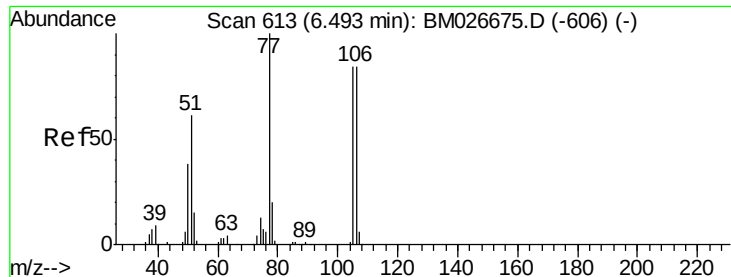
Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	128	Resp:	18068
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.2	52.2
64	61.3	41.4	81.4





#9

Benzaldehyde

Concen: 7.347 ng

RT: 6.50 min Scan# 614

Delta R.T. 0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

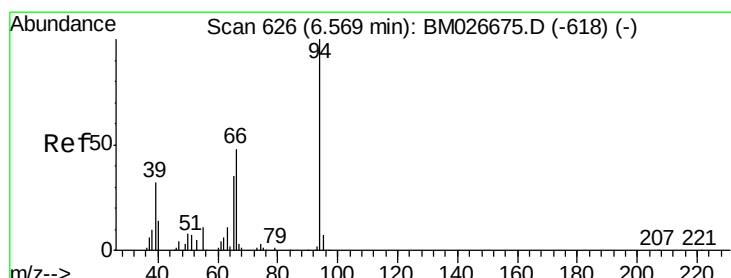
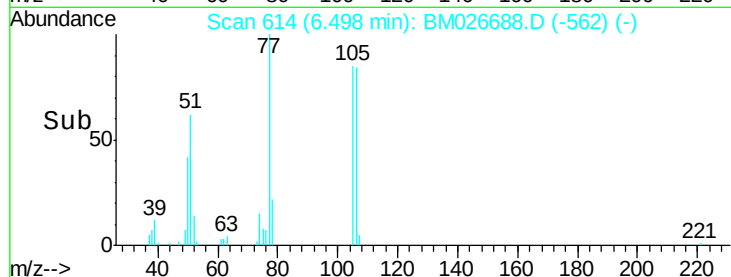
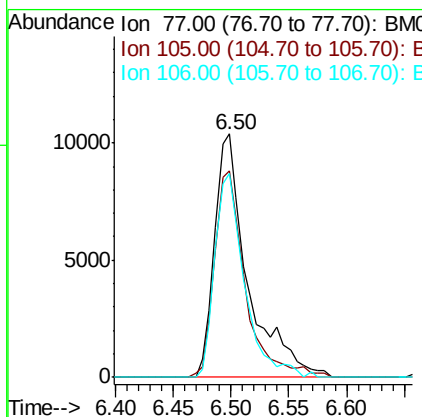
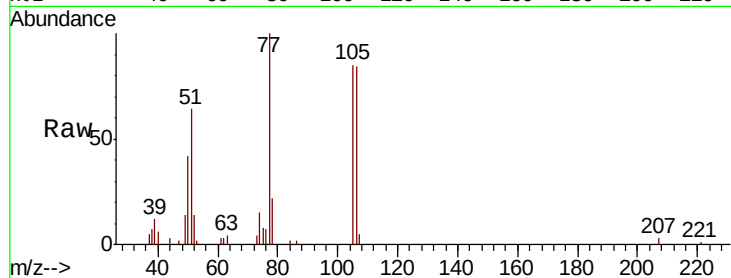
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	20882
Ion	Ratio	Lower	Upper
77	100		
105	84.6	64.4	104.4
106	83.9	64.3	104.3

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#10

Phenol

Concen: 4.703 ng

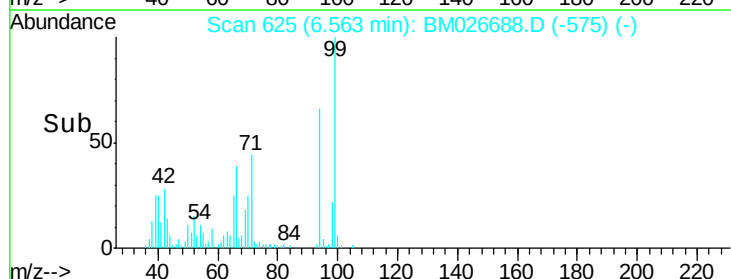
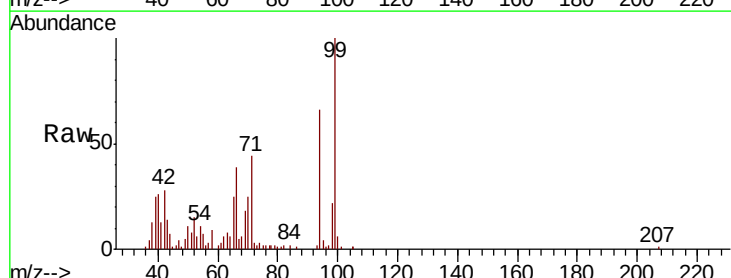
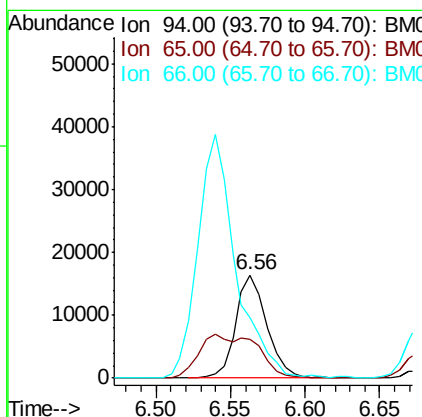
RT: 6.56 min Scan# 625

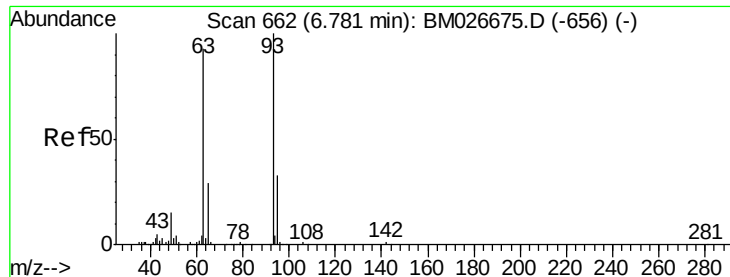
Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	94	Resp:	23801
Ion	Ratio	Lower	Upper
94	100		
65	37.8	15.5	55.5
66	59.0	29.8	69.8





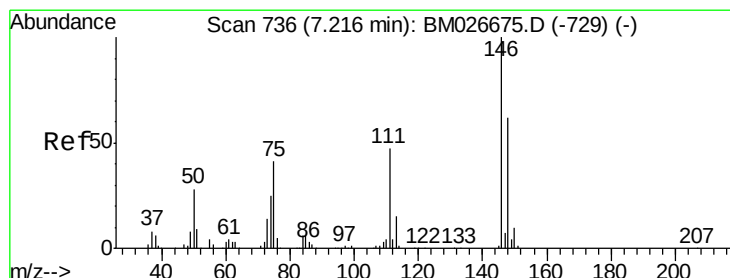
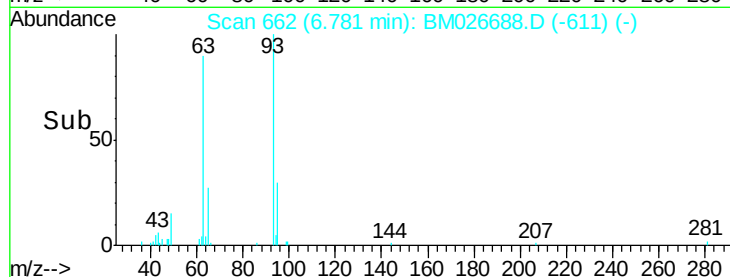
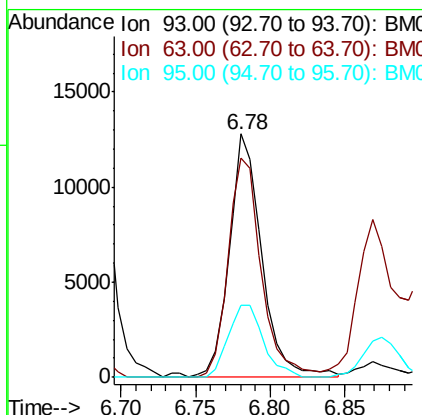
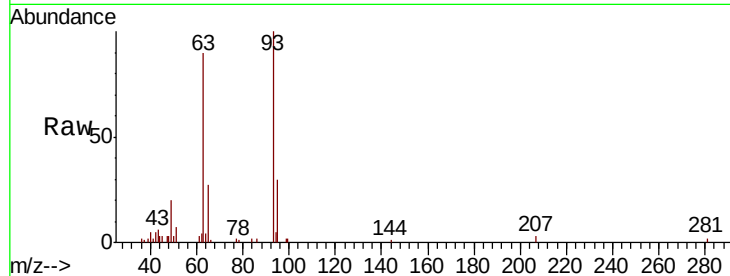
#11
bis(2-Chloroethyl)ether
Concen: 4.604 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ion	Ratio	Lower	Upper
93	100			
63	90.2	72.6	112.6	
95	29.8	12.3	52.3	

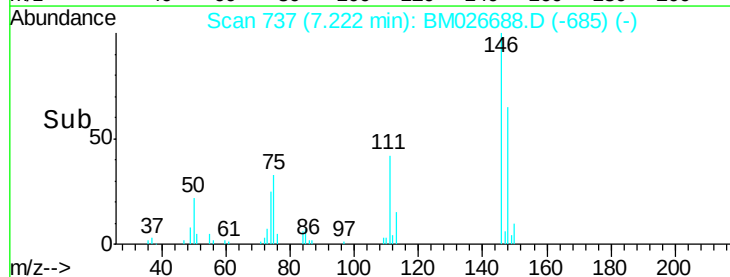
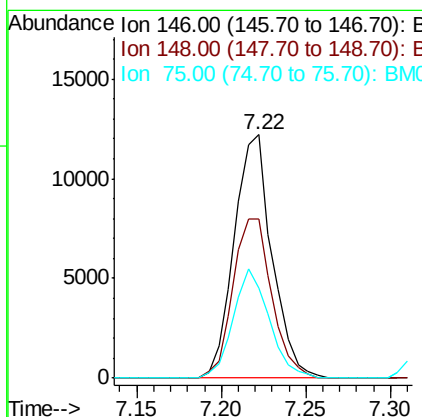
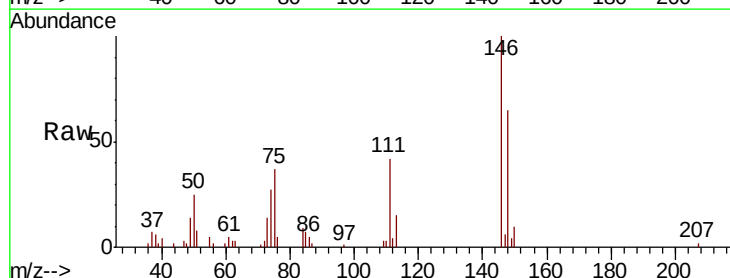
Manual Integrations
APPROVED

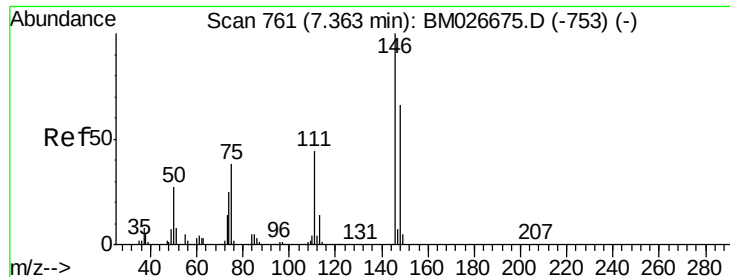
mohammad
7/9/2020 10:56:41 AM



#12
1,3-Dichlorobenzene
Concen: 4.569 ng
RT: 7.22 min Scan# 737
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ion	Ratio	Lower	Upper
146	100			
148	65.2	49.7	74.5	
75	37.1	32.7	49.1	





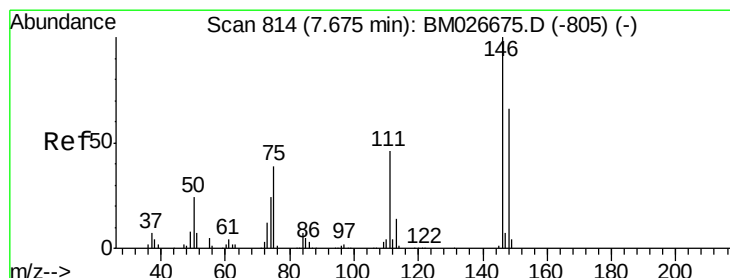
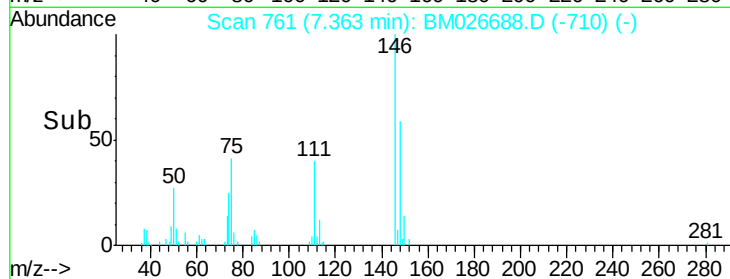
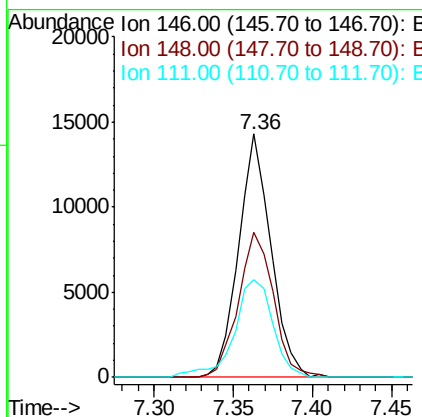
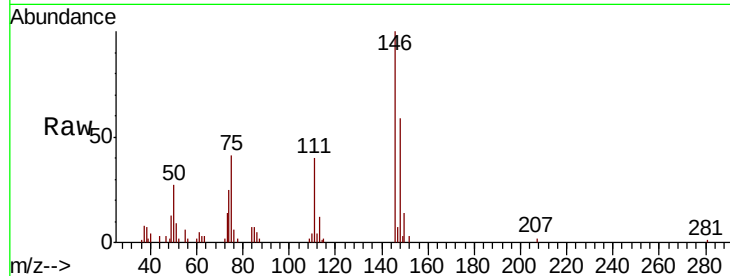
#13
1,4-Dichlorobenzene
Concen: 4.770 ng
RT: 7.36 min Scan# 761
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	59.5	52.4	78.6
111	40.3	35.6	53.4

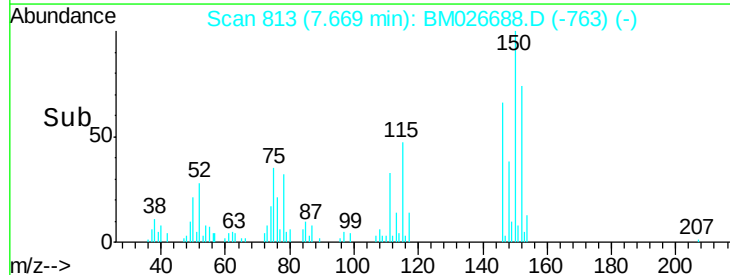
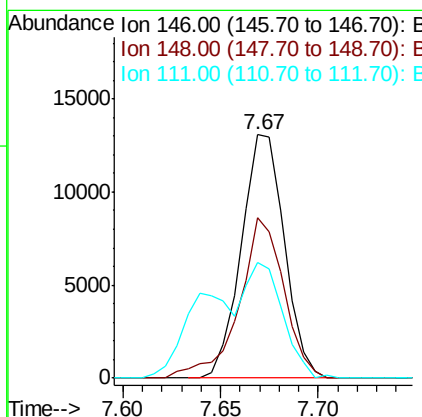
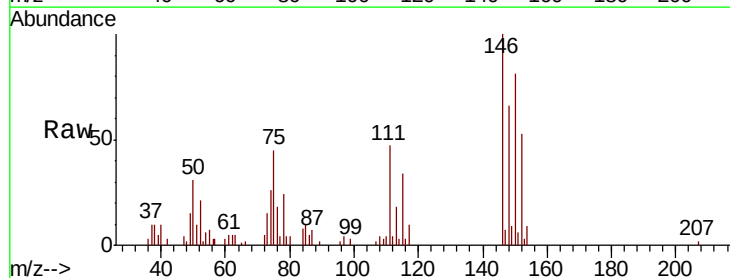
Manual Integrations
APPROVED

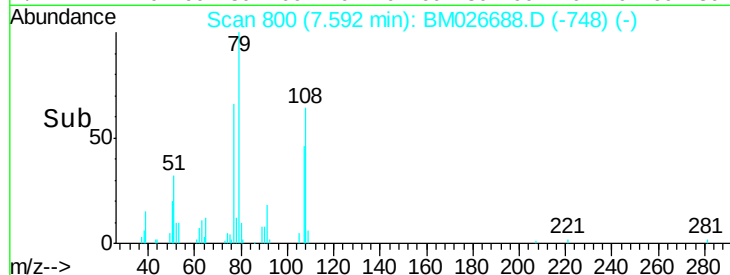
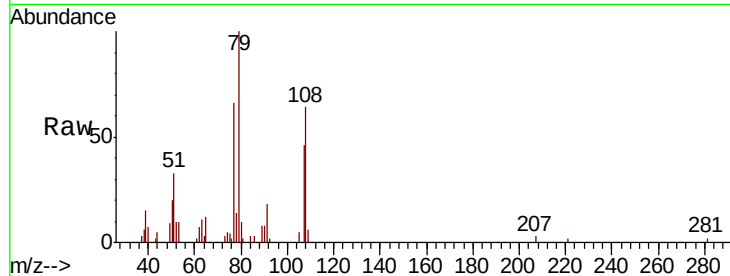
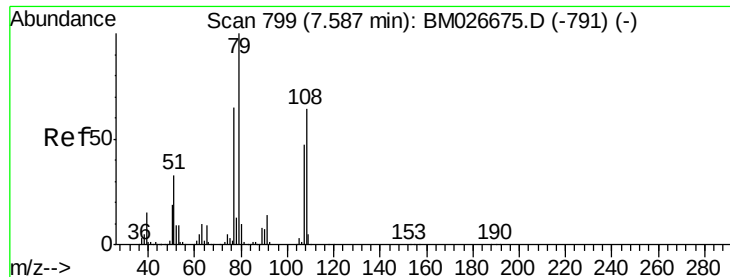
mohammad
7/9/2020 10:56:41 AM



#14
1,2-Dichlorobenzene
Concen: 4.744 ng
RT: 7.67 min Scan# 813
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	52.6	78.8
111	47.3	37.2	55.8





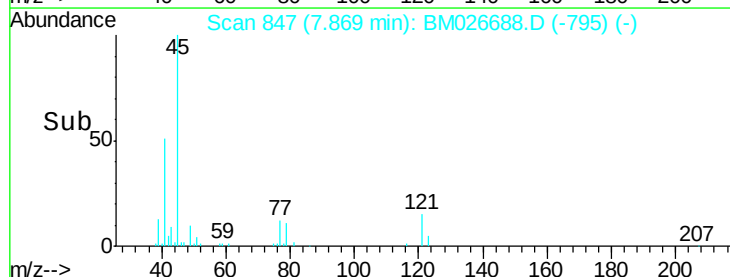
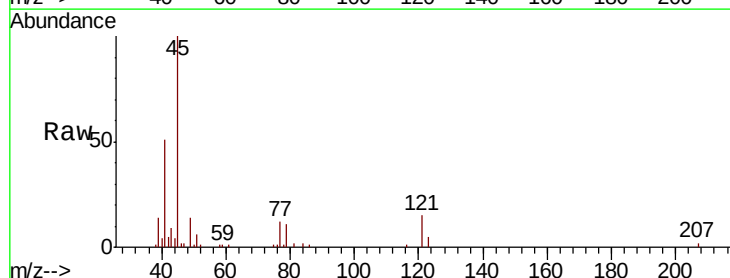
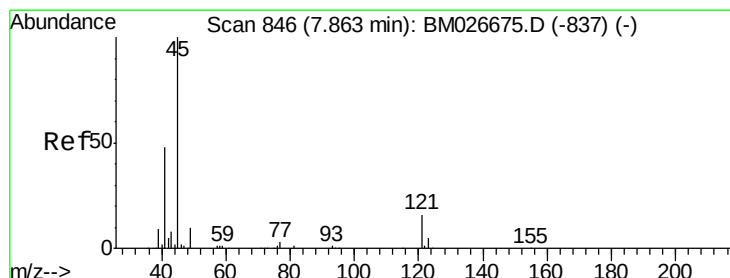
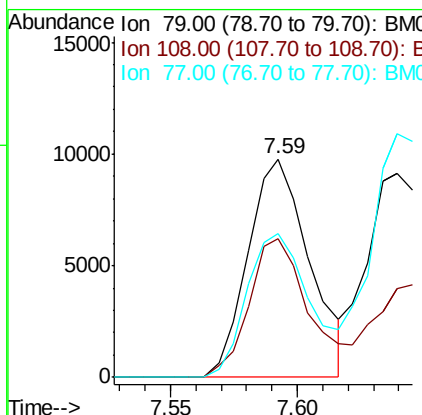
#15
Benzyl Alcohol
Concen: 3.771 ng
RT: 7.59 min Scan# 800
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tot Ion	Ratio	Lower	Upper
79	100		
108	63.6	51.0	76.4
77	66.2	52.1	78.1

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

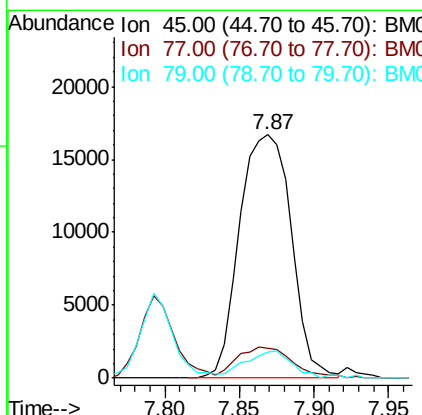
Manual Integrations
APPROVED

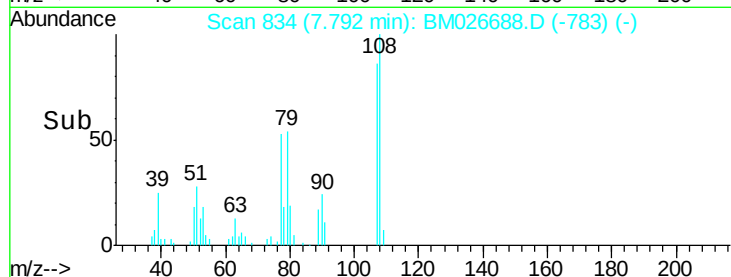
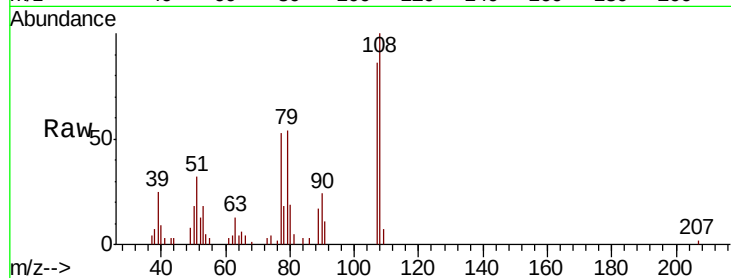
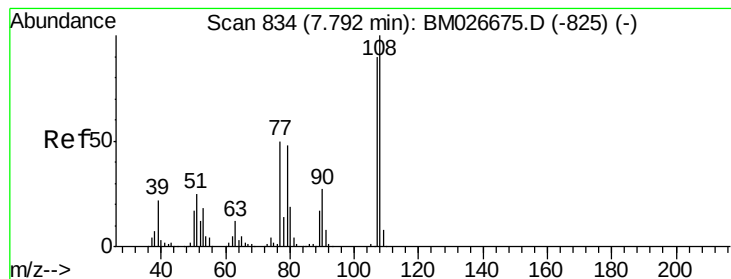
mohammad
7/9/2020 10:56:41 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.601 ng
RT: 7.87 min Scan# 847
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.4
79	10.8	0.0	28.4





#17

2-Methylphenol

Concen: 3.915 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tot Ion:	107	Resp:	15057
Ion Ratio	Lower	Upper	
107	100		
108	116.0	89.4	134.0
77	61.0	45.2	67.8
79	62.9	42.8	64.2

Instrument :

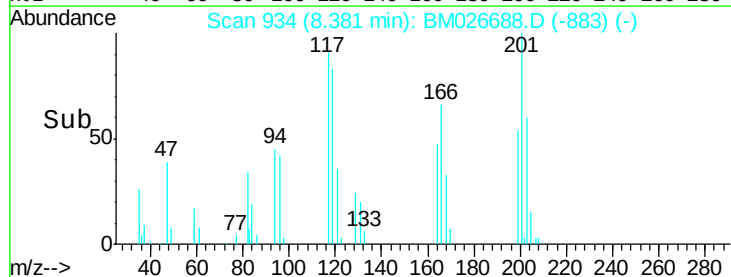
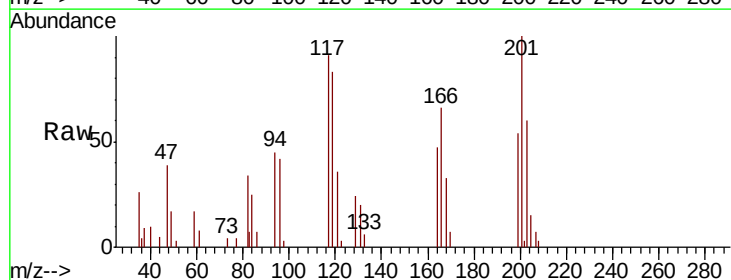
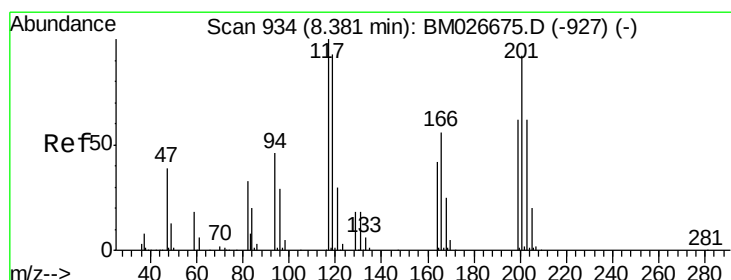
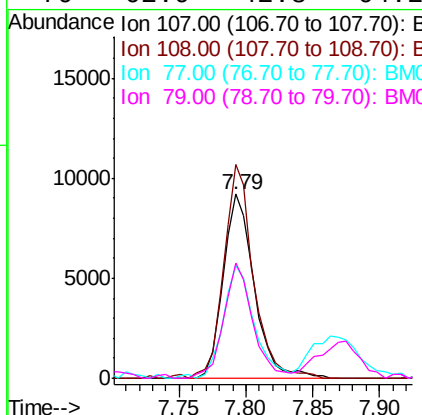
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
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#18

Hexachloroethane

Concen: 4.570 ng

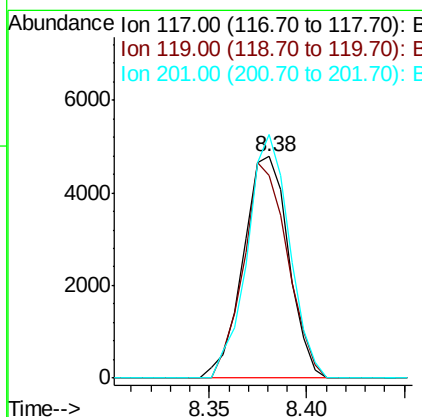
RT: 8.38 min Scan# 934

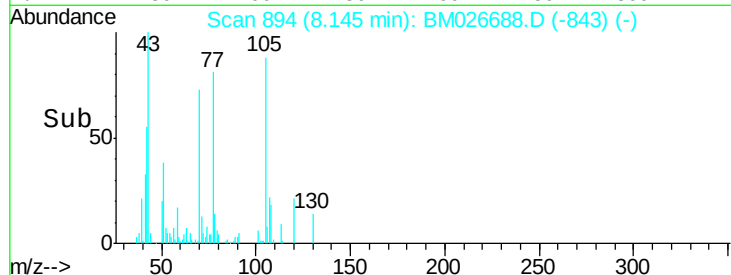
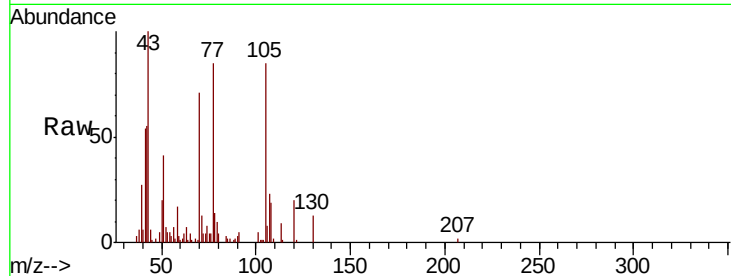
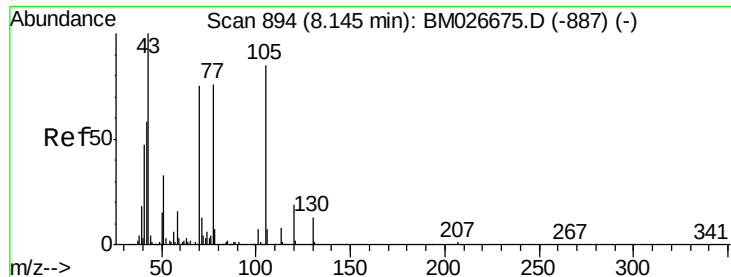
Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	117	Resp:	7688
Ion Ratio	Lower	Upper	
117	100		
119	91.5	74.2	111.2
201	109.8	73.6	110.4





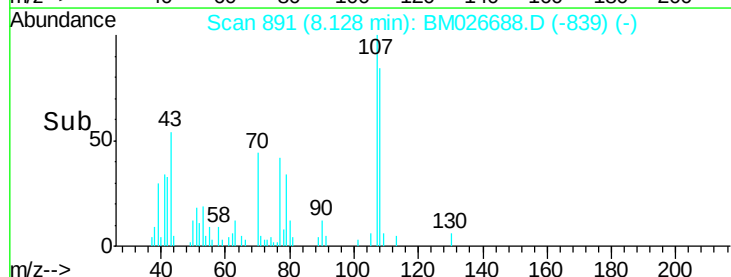
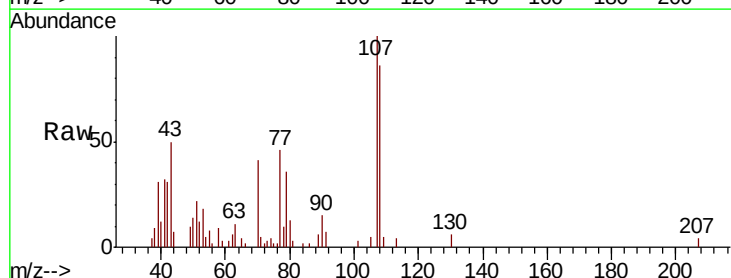
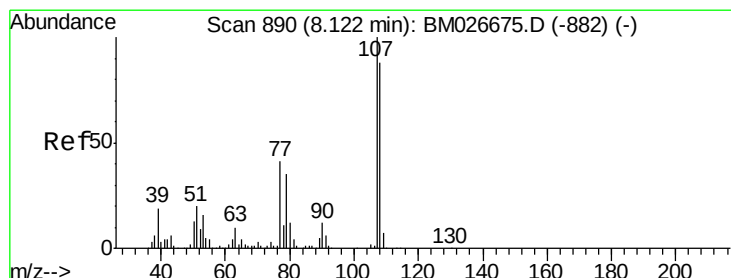
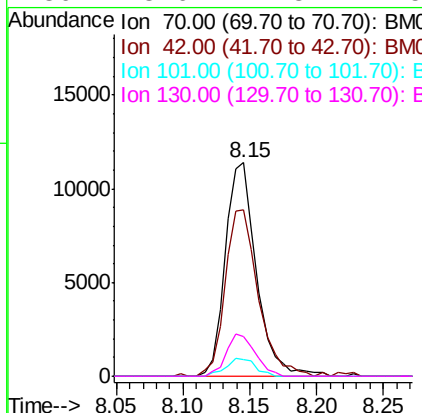
#19
n-Nitroso-di-n-propylamine
Concen: 4.374 ng
RT: 8.15 min Scan# 894
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	78.1	62.3	93.5
101	7.7	7.1	10.7
130	18.6	14.3	21.5

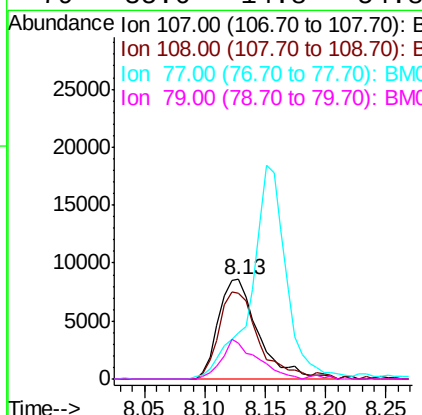
Manual Integrations
APPROVED

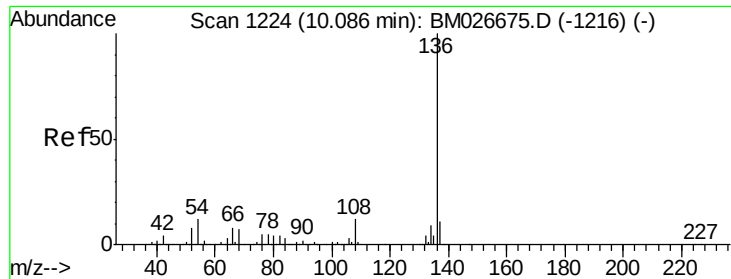
mohammad
7/9/2020 10:56:41 AM



#20
3+4-Methylphenols
Concen: 3.735 ng
RT: 8.13 min Scan# 891
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.3	68.5	108.5
77	46.2	20.8	60.8
79	35.6	14.8	54.8





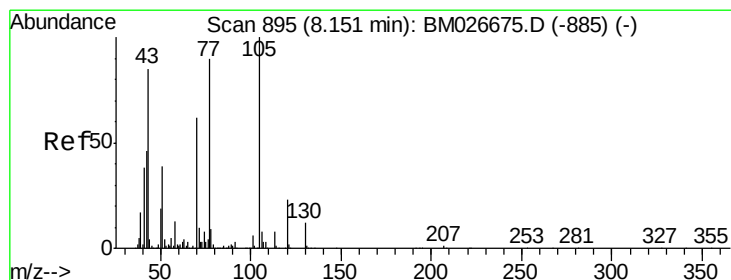
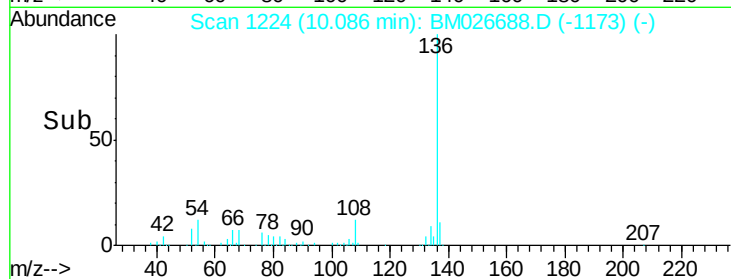
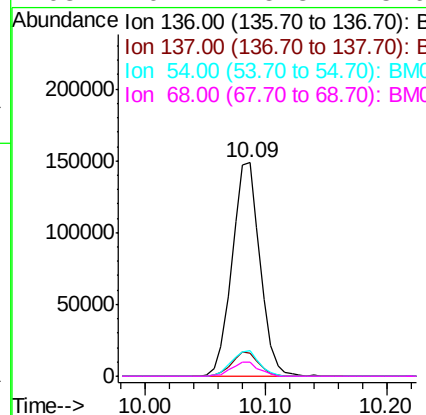
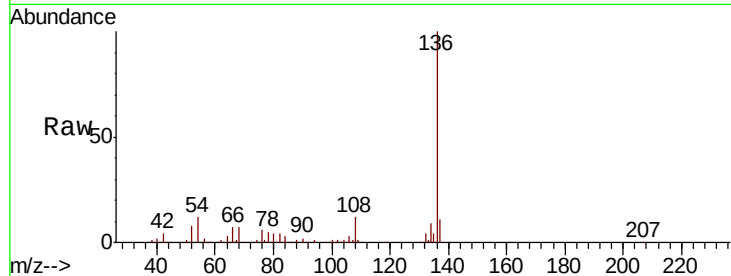
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.09 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	239112		
137	10.6	8.6	12.8	
54	11.8	9.8	14.6	
68	6.7	5.8	8.6	

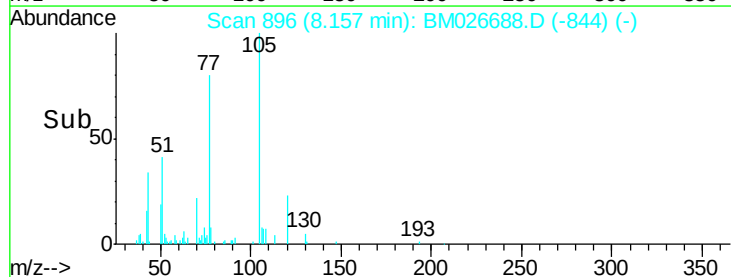
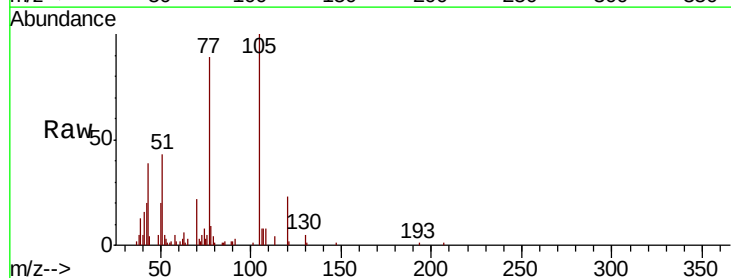
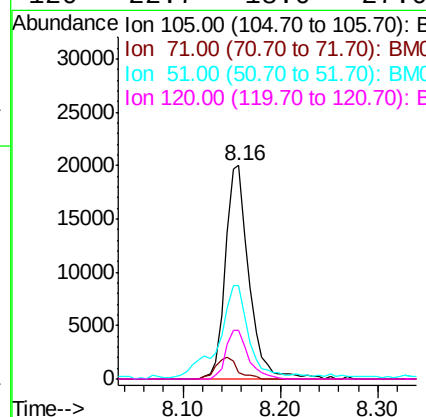
Manual Integrations
APPROVED

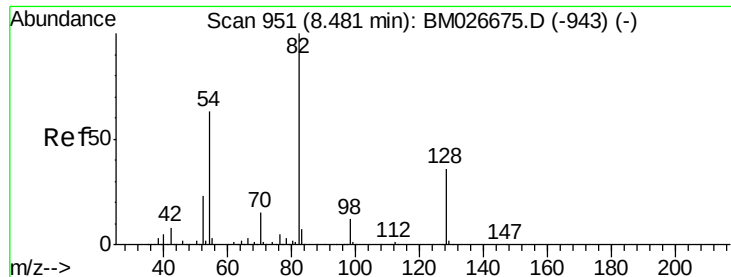
mohammad
7/9/2020 10:56:41 AM



#22
Acetophenone
Concen: 4.919 ng
RT: 8.16 min Scan# 896
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	33424		
71	2.7	8.1	12.1#	
51	43.5	31.9	47.9	
120	22.7	18.0	27.0	





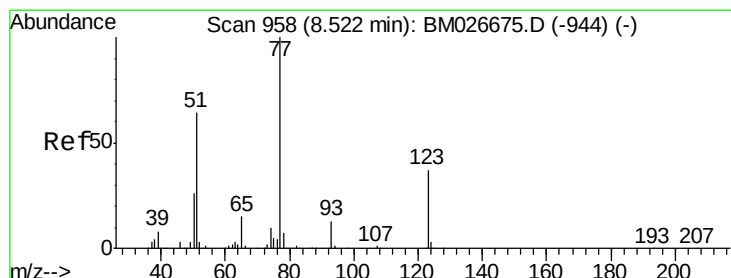
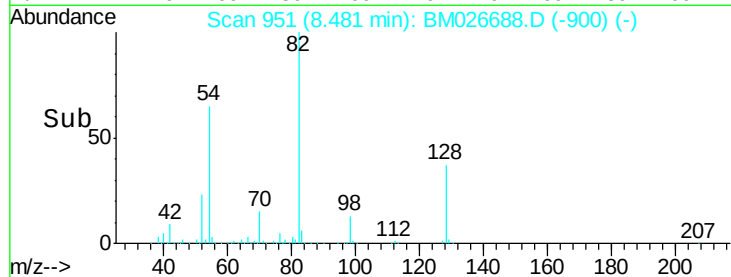
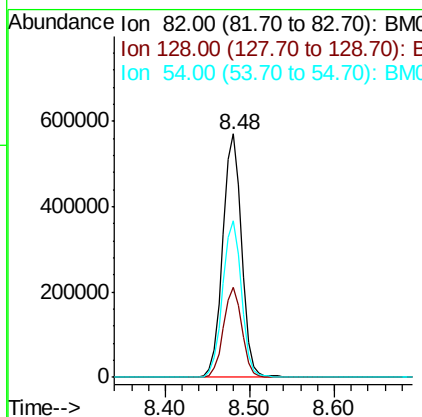
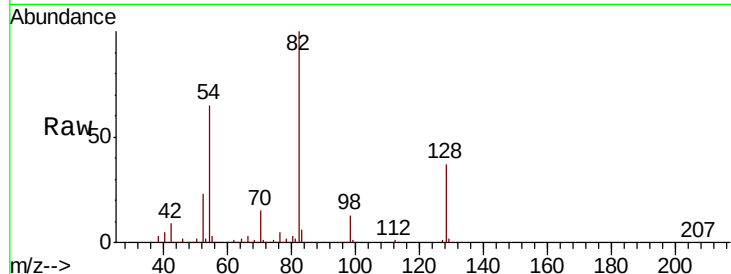
#23
 Nitrobenzene-d5
 Concen: 157.910 ng
 RT: 8.48 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.9	29.1	43.7	
54	64.5	50.2	75.4	

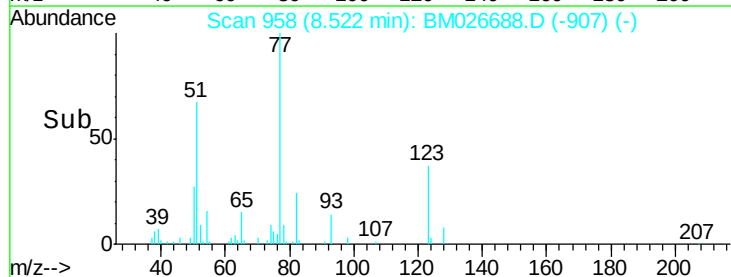
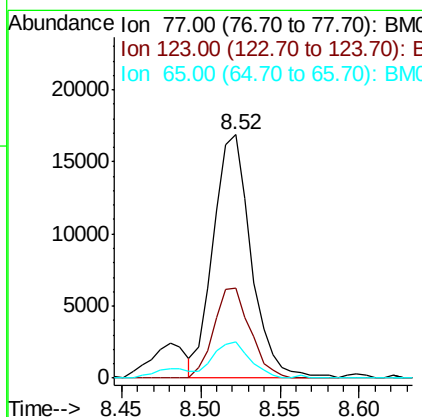
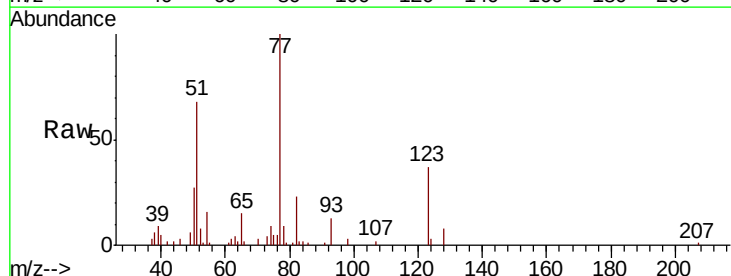
Manual Integrations
 APPROVED

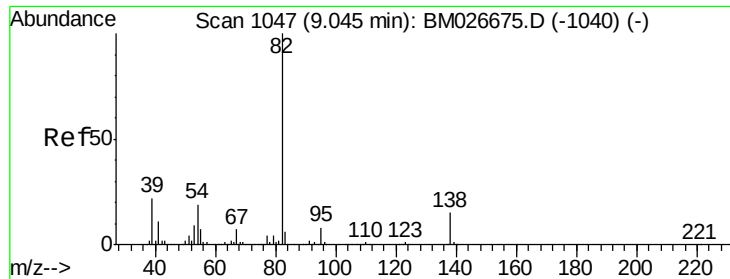
mohammad
 7/9/2020 10:56:41 AM



#24
 Nitrobenzene
 Concen: 4.763 ng
 RT: 8.52 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	36.9	29.8	44.6	
65	15.1	12.2	18.4	





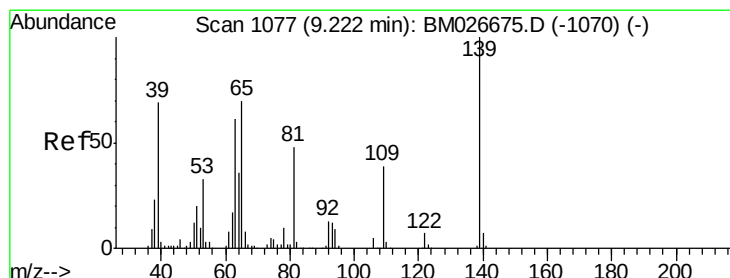
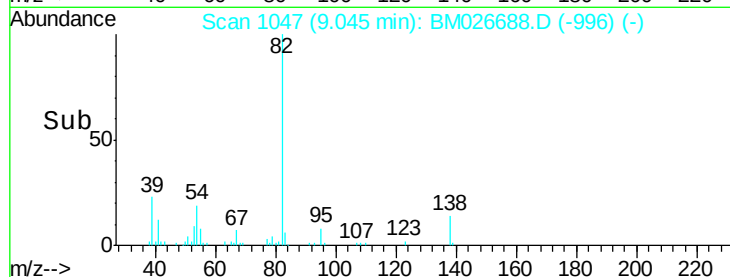
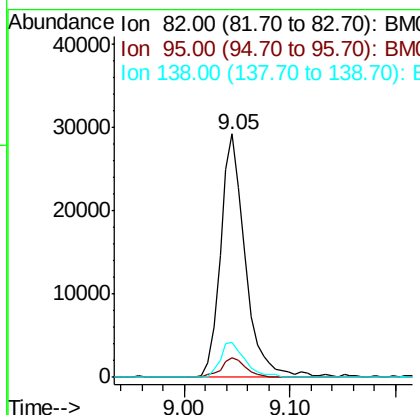
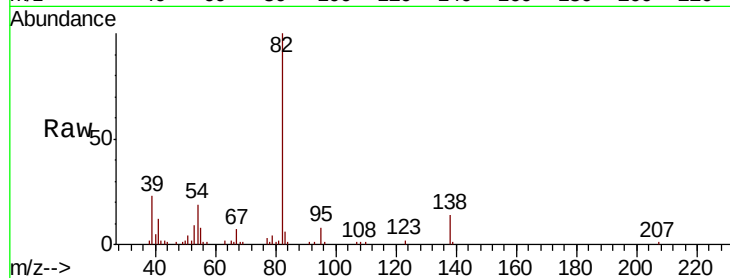
#25
Isophorone
Concen: 4.432 ng
RT: 9.05 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	82	Resp	47628
Ion Ratio	Lower	Upper	
82	100		
95	8.1	6.3	9.5
138	14.3	12.0	18.0

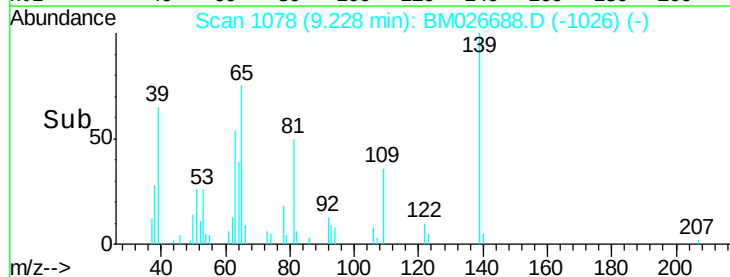
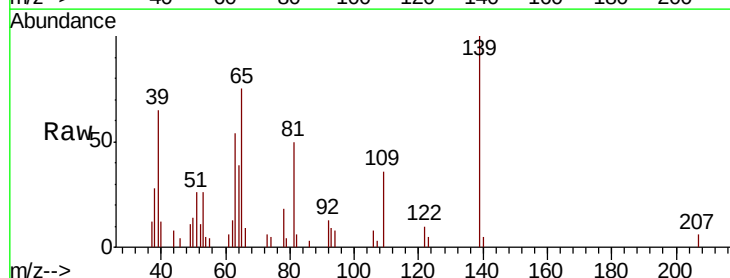
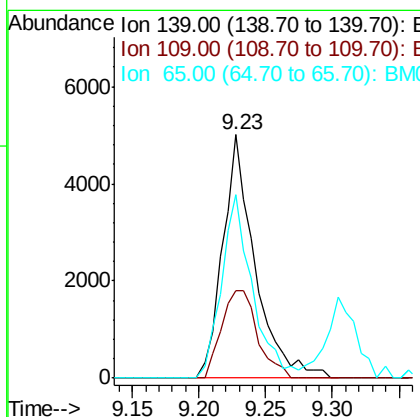
Manual Integrations
APPROVED

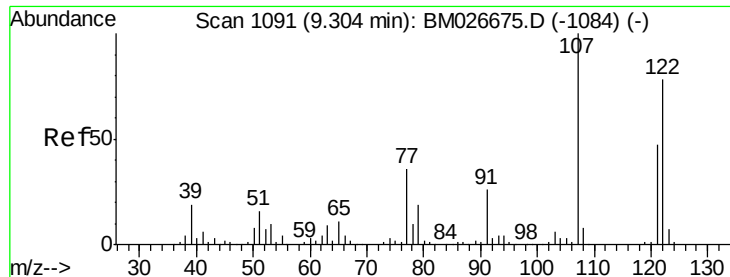
mohammad
7/9/2020 10:56:41 AM



#26
2-Nitrophenol
Concen: 3.896 ng
RT: 9.23 min Scan# 1078
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	139	Resp	8478
Ion Ratio	Lower	Upper	
139	100		
109	35.8	30.8	46.2
65	75.3	56.2	84.4





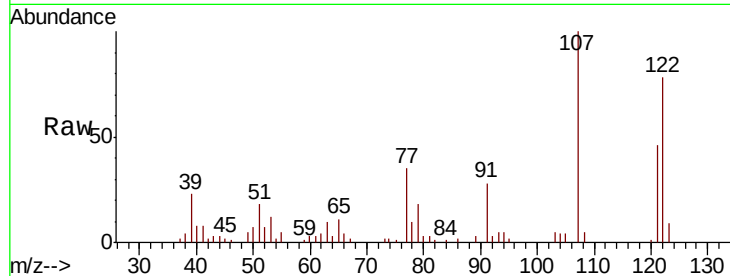
#27
 2,4-Dimethylphenol
 Concen: 4.540 ng
 RT: 9.31 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	128.1	102.1	153.1		
121	58.9	48.2	72.2		

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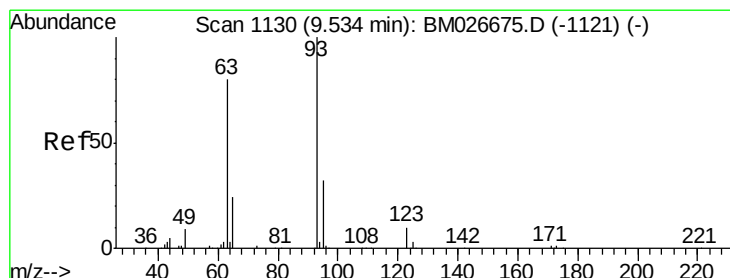
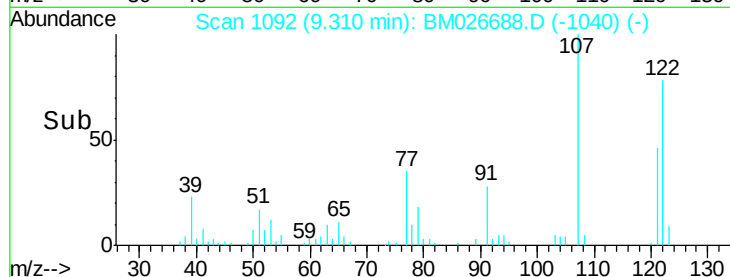
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

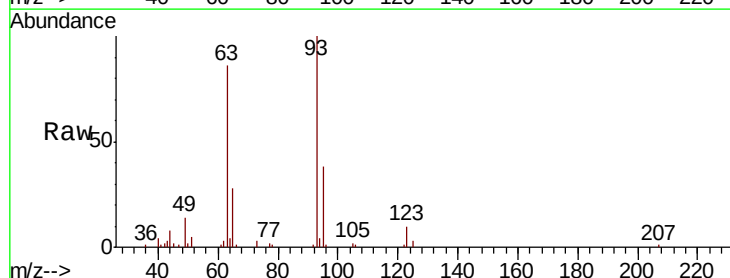
Ion 121.00 (120.70 to 121.70): E

Time-->



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.695 ng
 RT: 9.54 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	37.6	25.7	38.5		
123	10.5	8.7	13.1		



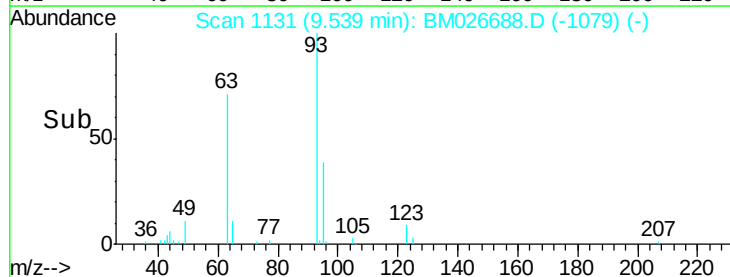
Abundance

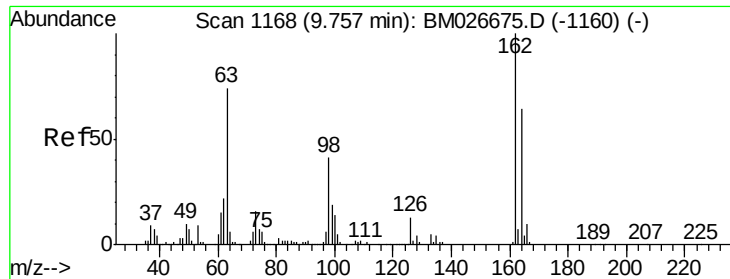
Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

Time-->





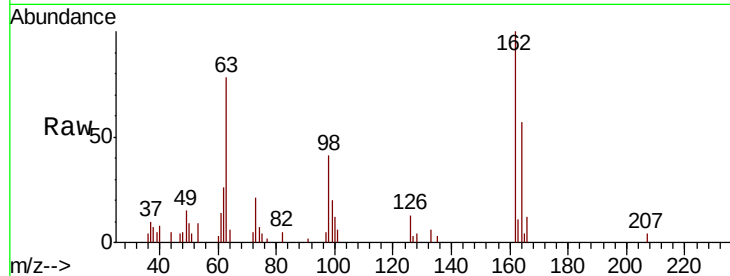
#29
2,4-Dichlorophenol
Concen: 3.776 ng
RT: 9.77 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	56.8	44.3	84.3
98	40.8	21.0	61.0

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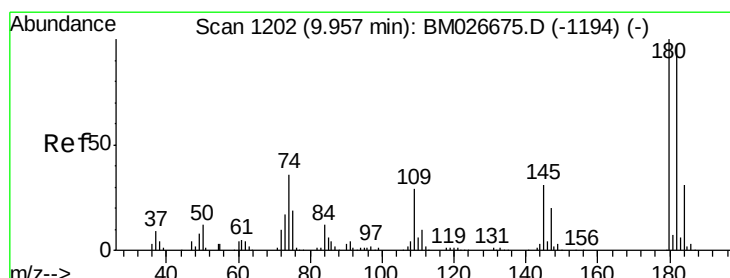
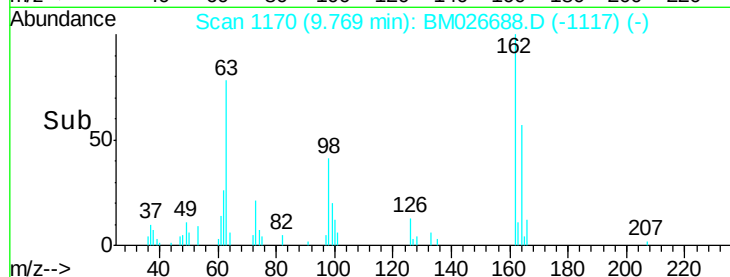
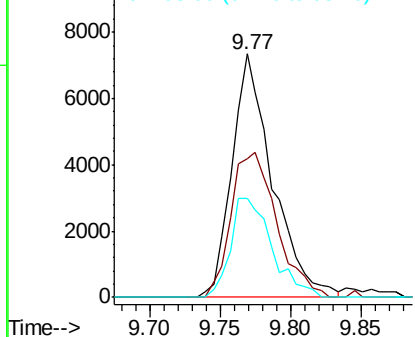


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30
1,2,4-Trichlorobenzene
Concen: 4.592 ng
RT: 9.96 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

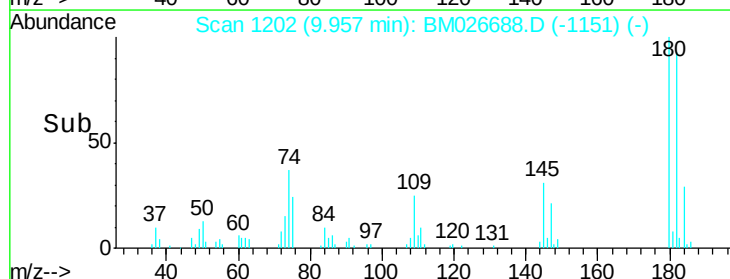
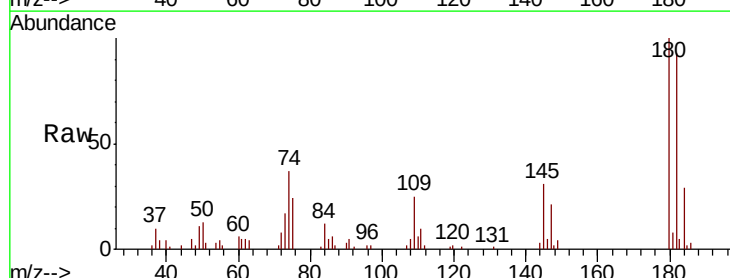
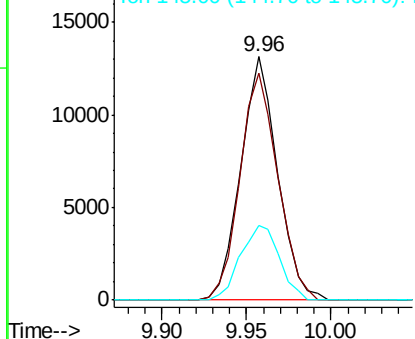
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.8	116.6
145	30.5	25.0	37.6

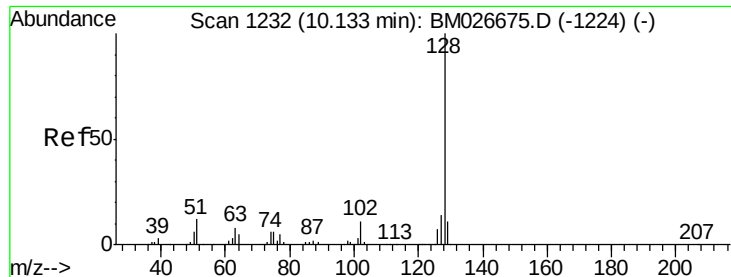
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





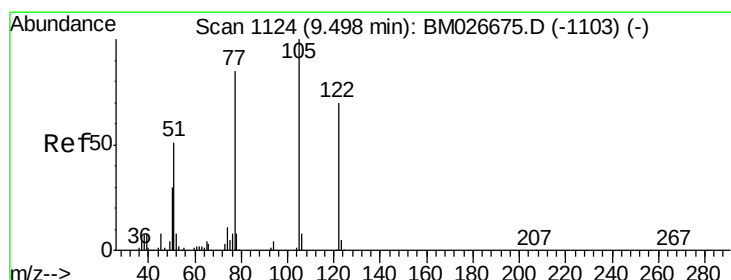
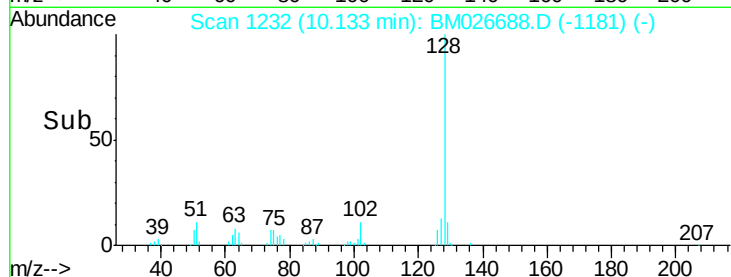
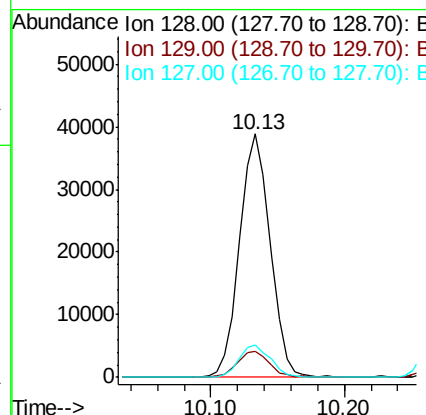
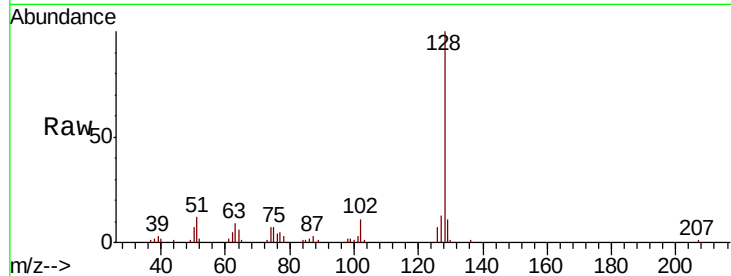
#31
Naphthalene
Concen: 4.655 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.1	10.8	16.2

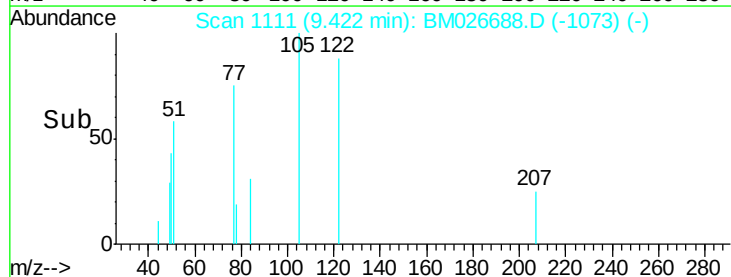
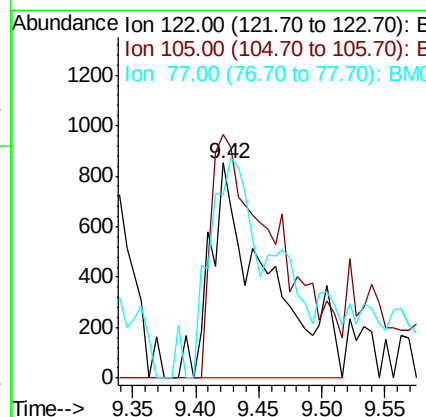
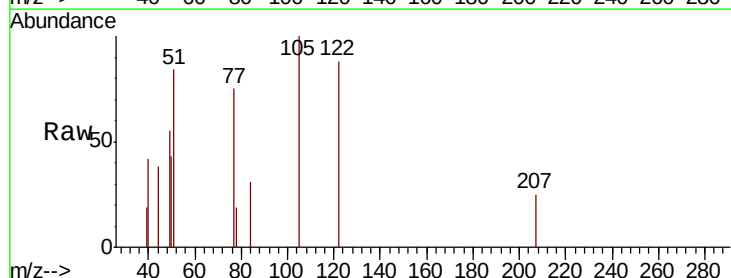
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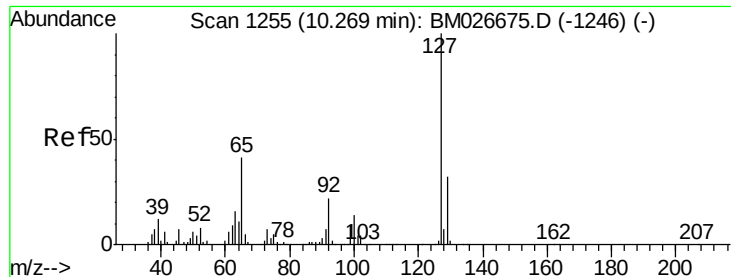
mohammad
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#32
Benzoic acid
Concen: 0.976 ng m
RT: 9.42 min Scan# 1111
Delta R.T. -0.08 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	113.3	120.9	160.9#
77	85.3	100.0	140.0#





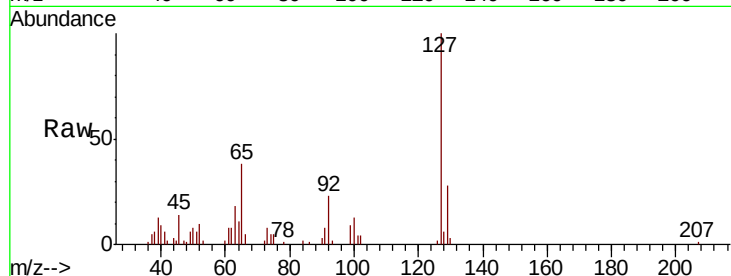
#33
4-Chloroaniline
Concen: 4.002 ng
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	28.2	25.8	38.6	
65	38.3	32.5	48.7	
92	23.3	17.8	26.8	

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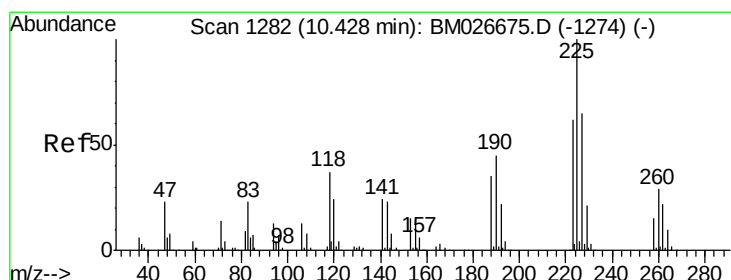
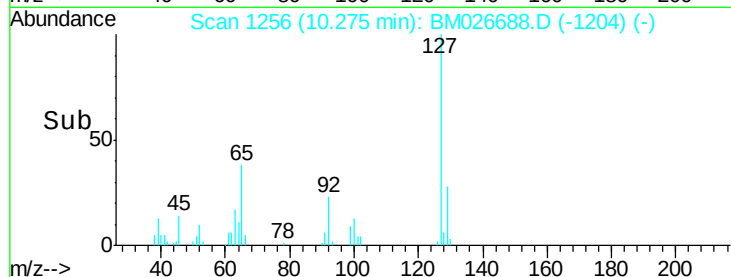
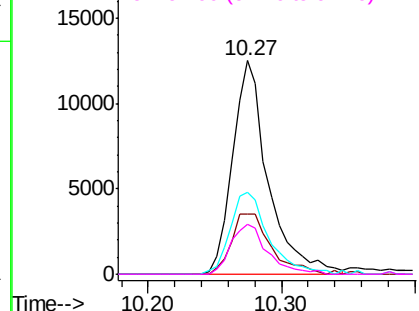
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

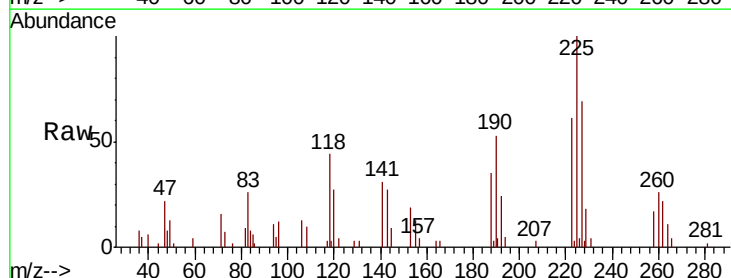
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34
Hexachlorobutadiene
Concen: 4.605 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	49.8	74.8	
227	69.3	52.3	78.5	

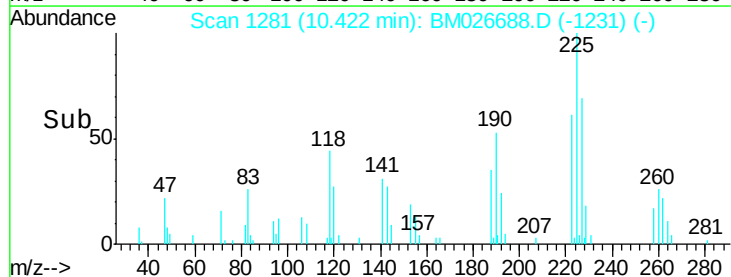
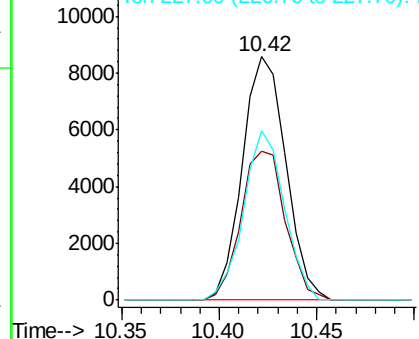


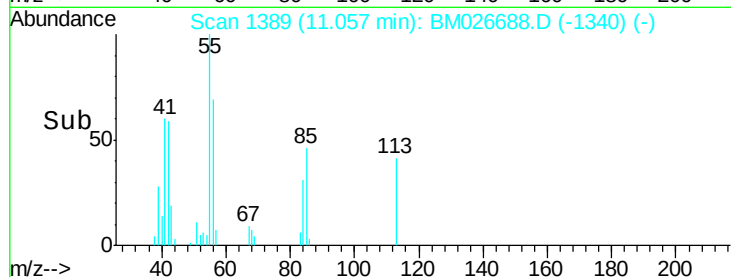
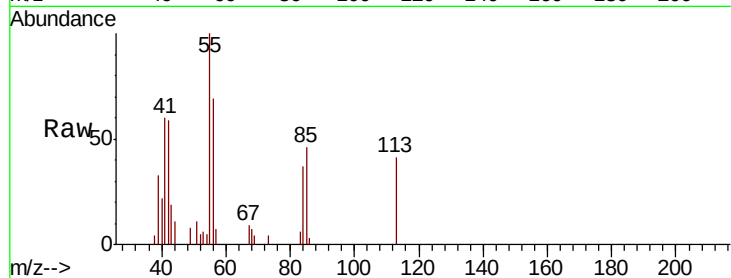
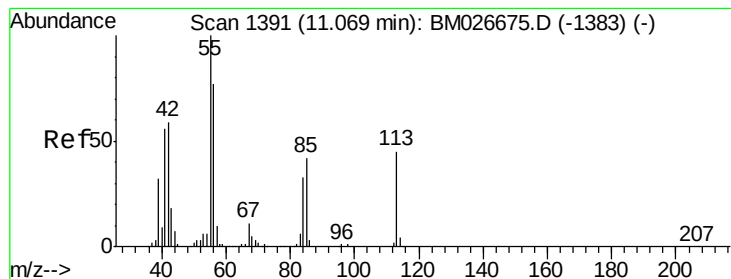
Abundance

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: 3.640 ng

RT: 11.06 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

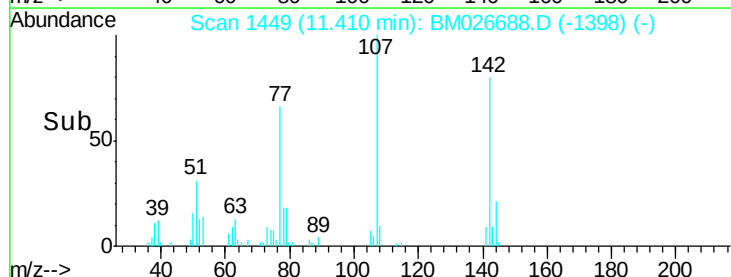
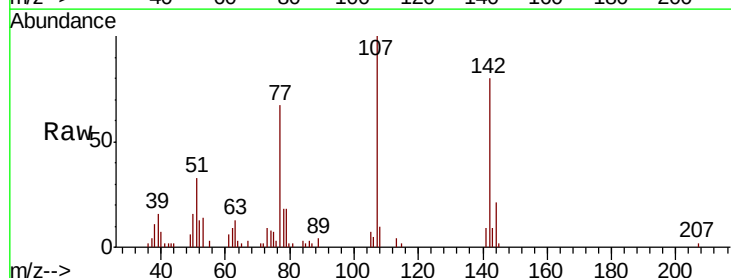
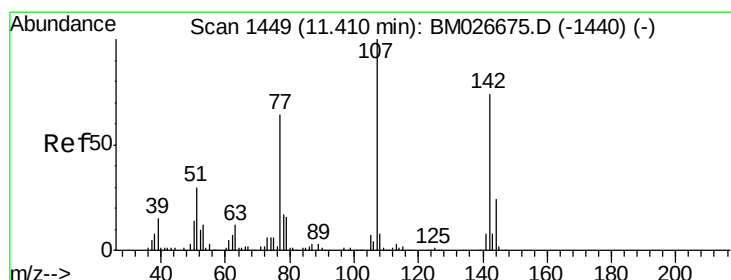
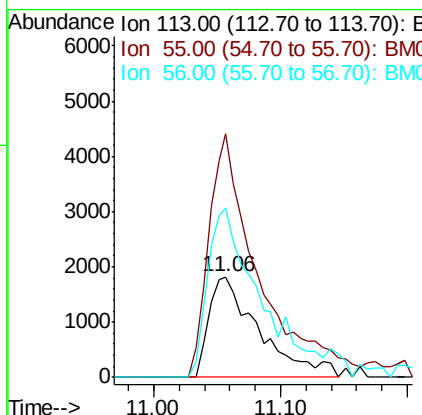
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	113	Resp:	5025
Ion	Ratio	Lower	Upper
113	100		
55	242.7	203.5	243.5
56	168.5	151.6	191.6

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#36

4-Chloro-3-methylphenol

Concen: 4.143 ng

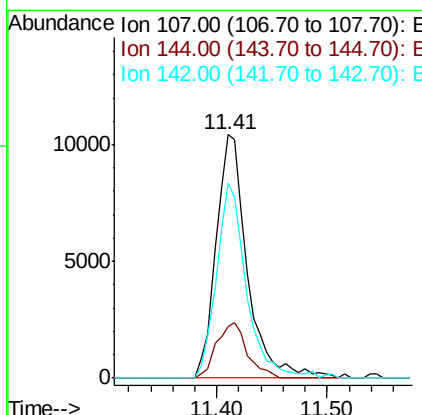
RT: 11.41 min Scan# 1449

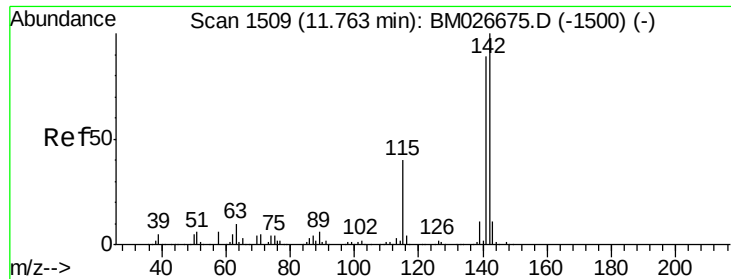
Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	107	Resp:	20405
Ion	Ratio	Lower	Upper
107	100		
144	21.4	18.9	28.3
142	80.0	59.0	88.4





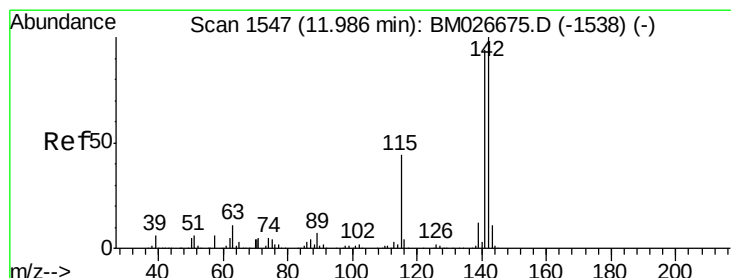
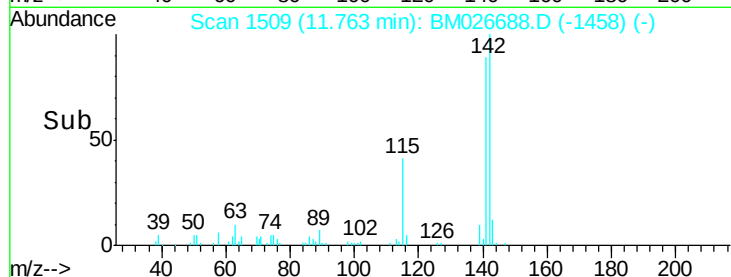
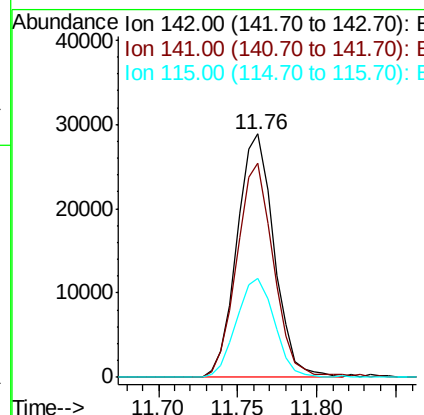
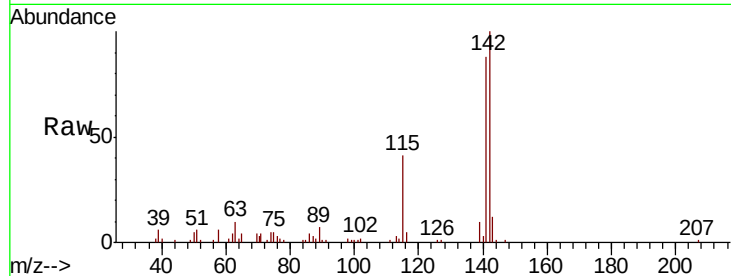
#37
2-Methylnaphthalene
Concen: 4.749 ng
RT: 11.76 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.4	107.0
115	40.8	32.1	48.1

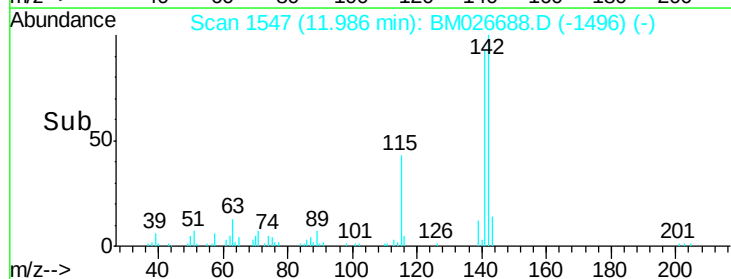
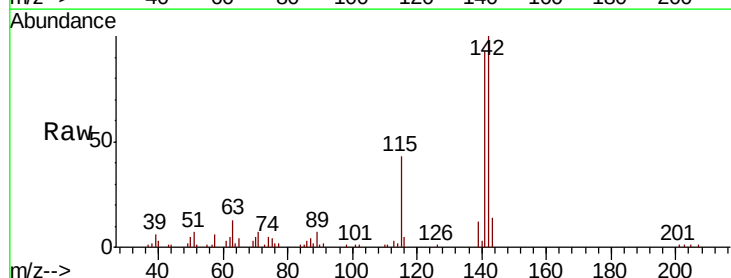
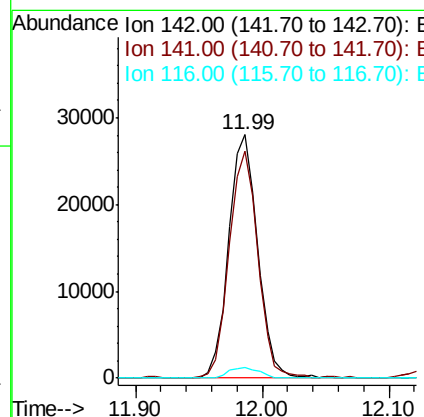
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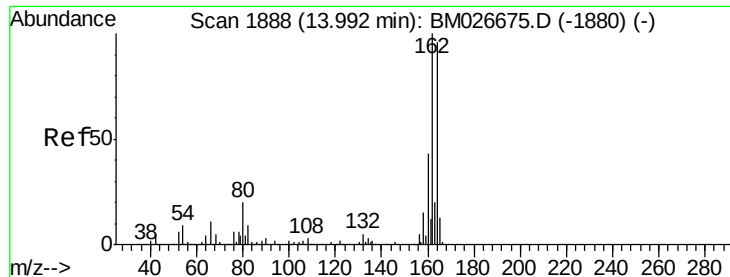
mohammad
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#38
1-Methylnaphthalene
Concen: 4.699 ng
RT: 11.99 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	75.0	112.6
116	4.6	3.5	5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

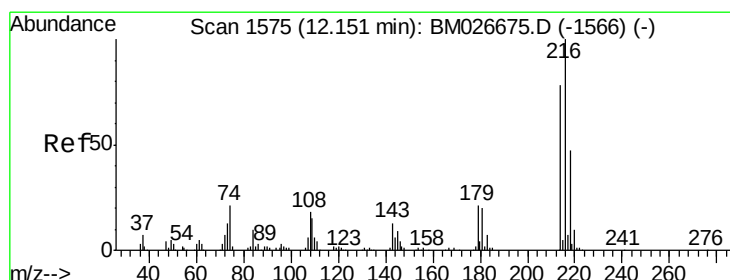
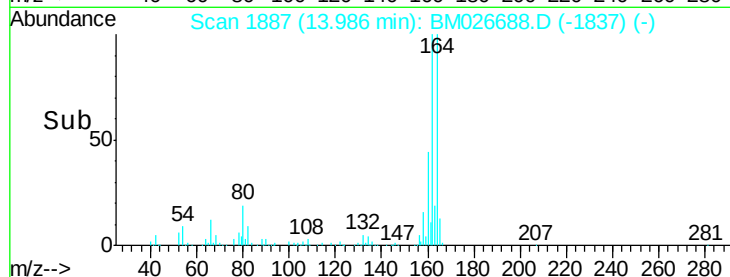
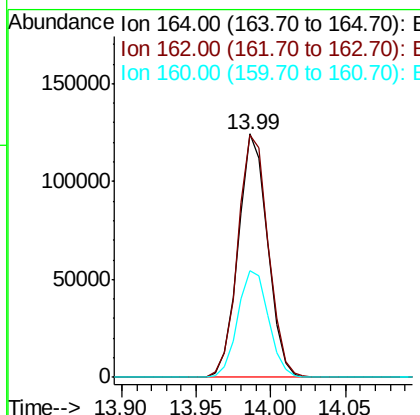
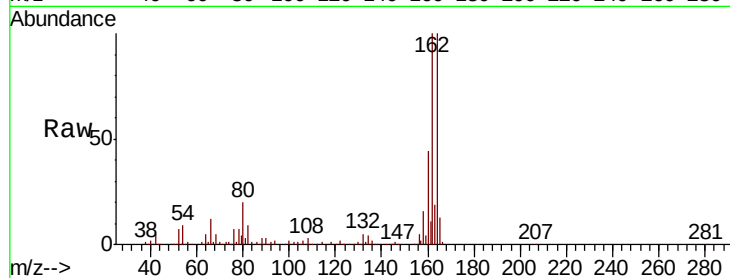
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	164	Resp:	169942
Ion Ratio	Lower	Upper	
164	100		
162	99.7	83.7	125.5
160	43.6	36.2	54.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.702 ng

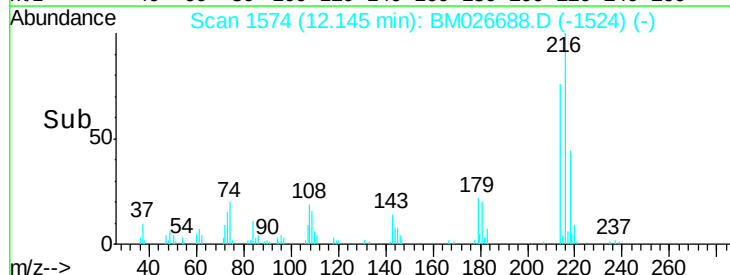
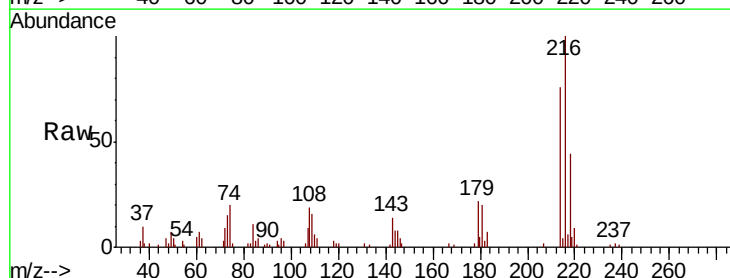
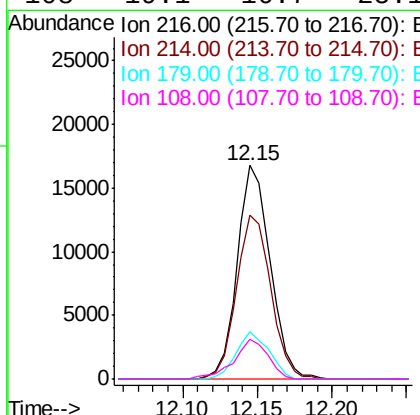
RT: 12.15 min Scan# 1574

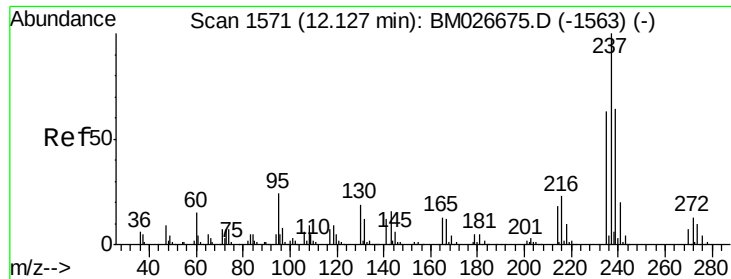
Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	216	Resp:	25833
Ion Ratio	Lower	Upper	
216	100		
214	79.5	62.6	93.8
179	21.8	17.5	26.3
108	19.1	16.7	25.1





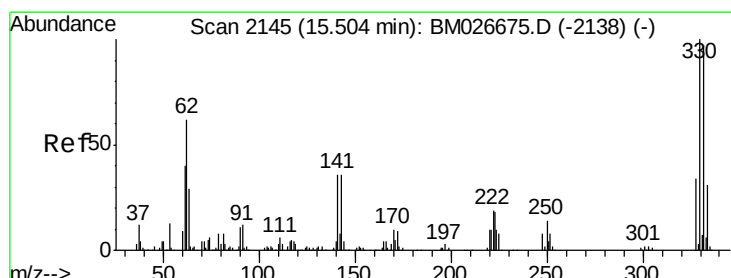
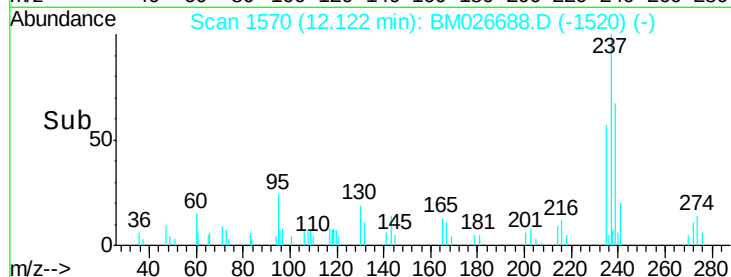
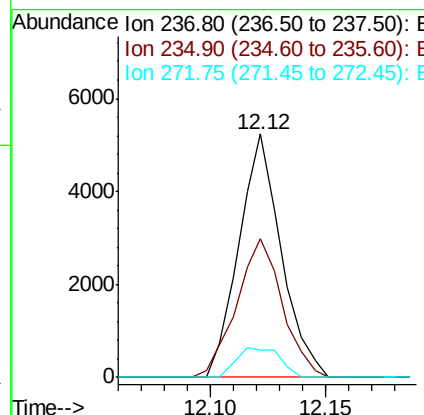
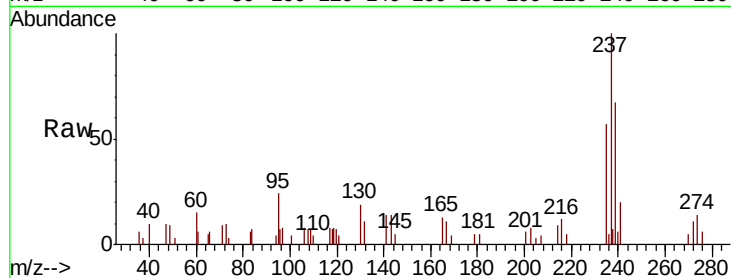
#41
Hexachlorocyclopentadiene
Concen: 2.545 ng
RT: 12.12 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
237	100		
235	57.0	42.8	82.8
272	11.0	0.0	32.8

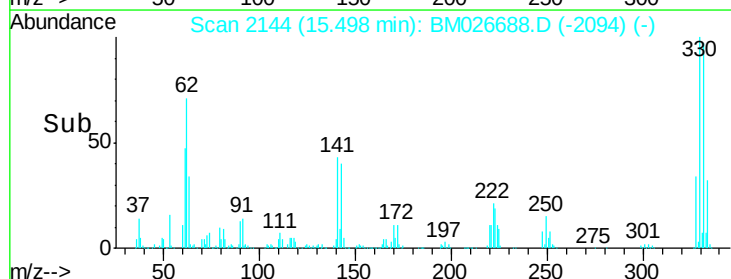
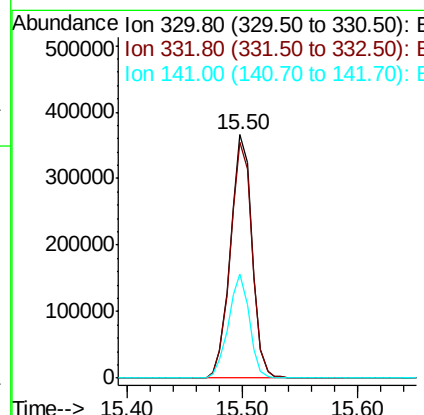
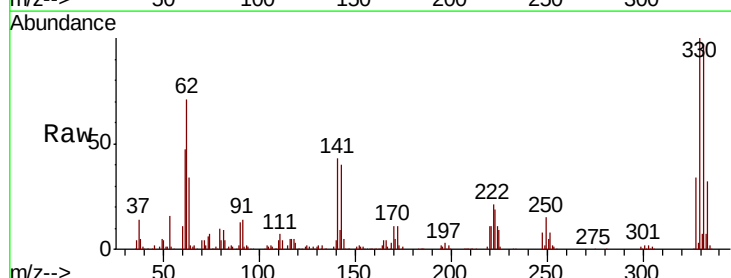
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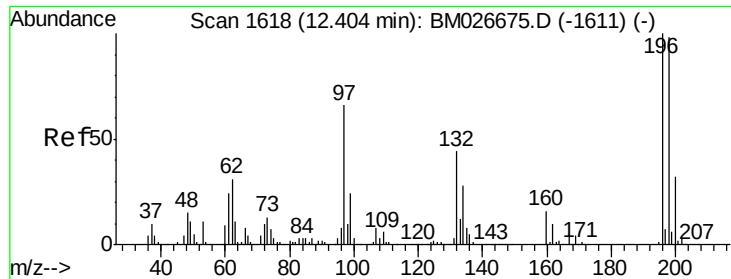
mohammad
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#42
2,4,6-Tribromophenol
Concen: 191.444 ng
RT: 15.50 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.5	116.3
141	41.8	32.4	48.6





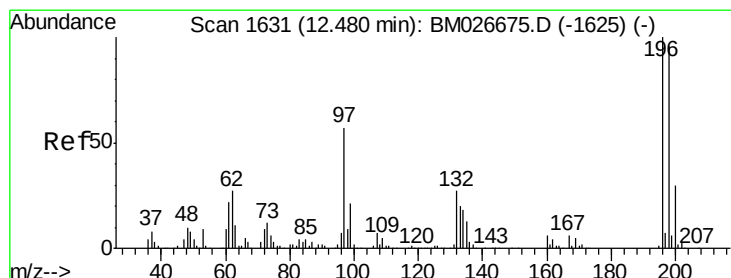
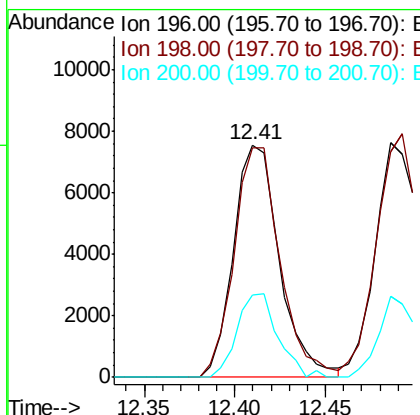
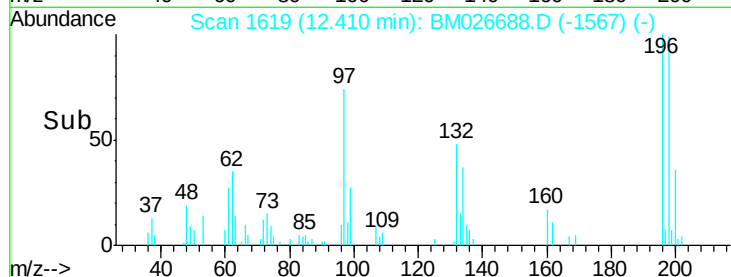
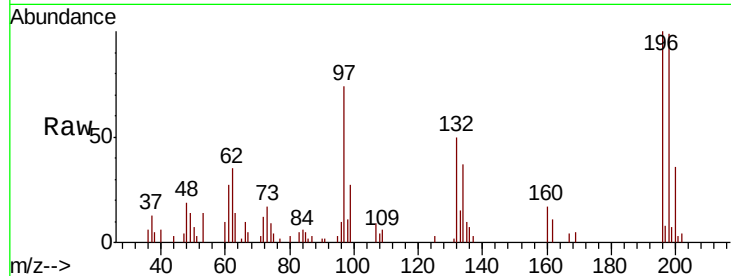
#43
 2,4,6-Trichlorophenol
 Concen: 3.716 ng
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.6	78.6	118.0
200	35.6	25.3	37.9

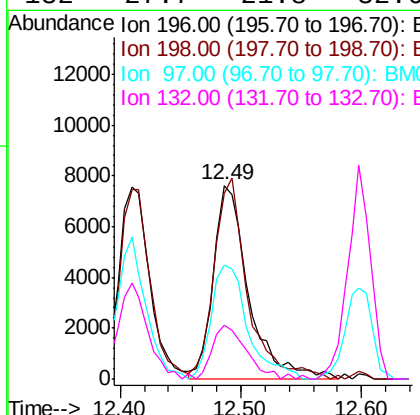
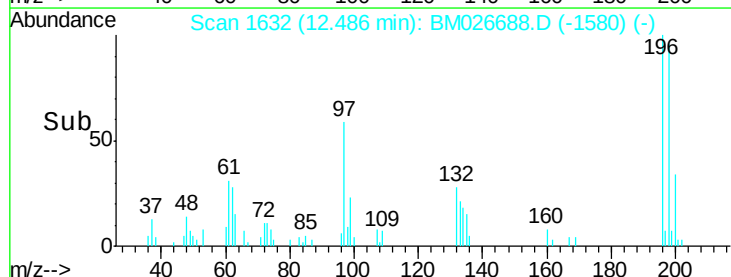
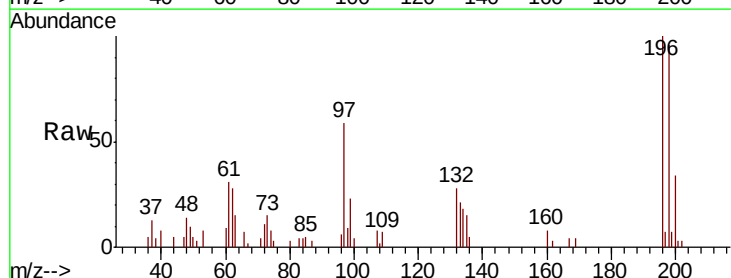
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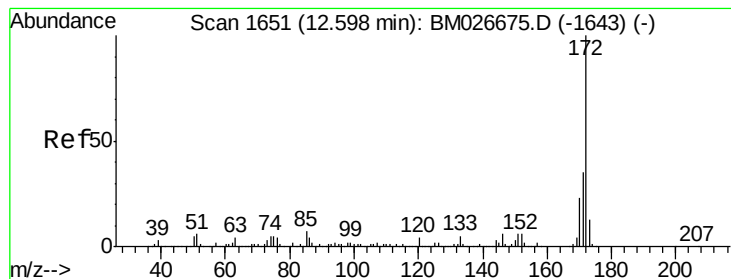
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 3.649 ng
 RT: 12.49 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.0	115.6
97	59.1	45.7	68.5
132	27.7	21.8	32.6





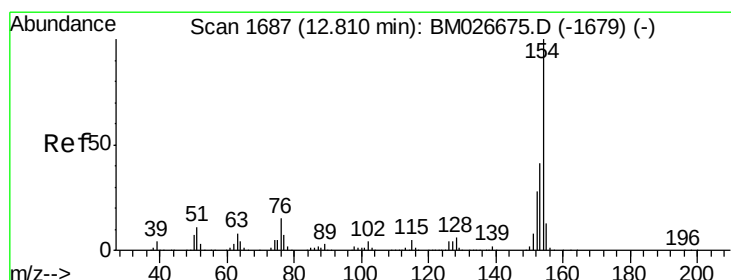
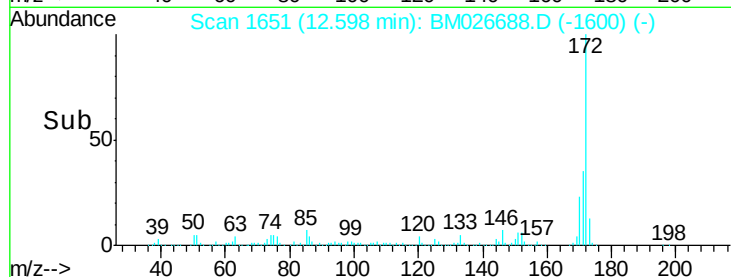
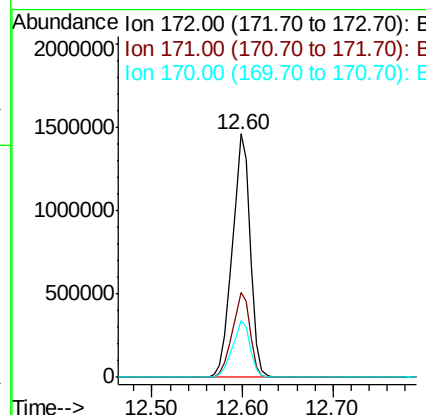
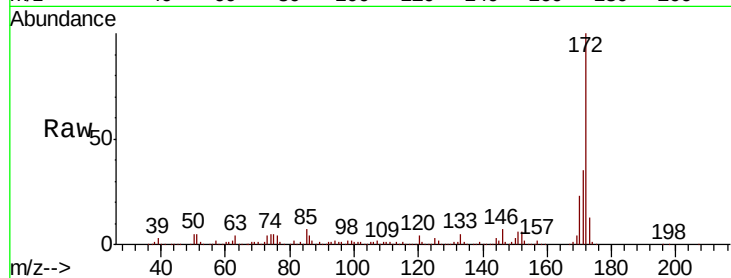
#45
2-Fluorobiphenyl
Concen: 157.016 ng
RT: 12.60 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.2	18.5	27.7

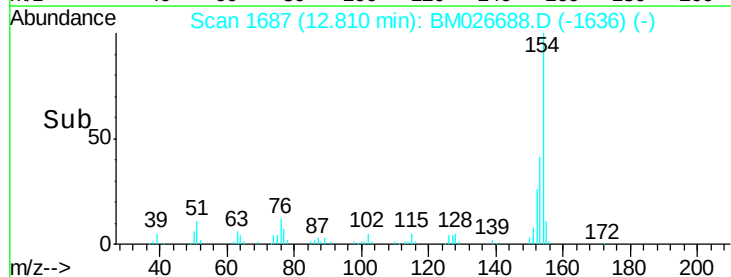
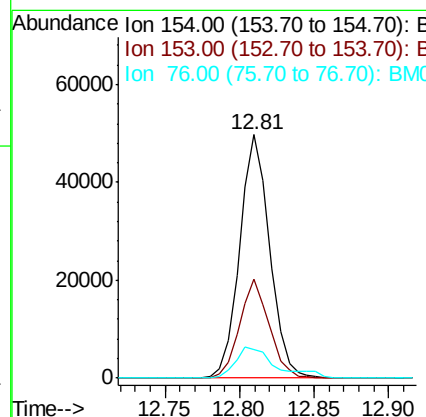
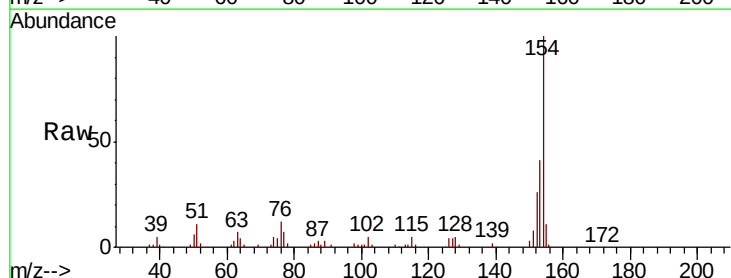
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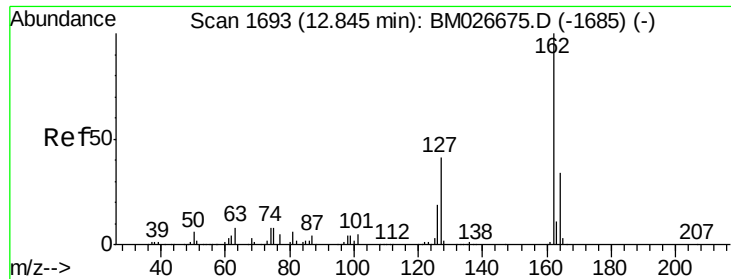
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#46
1,1'-Biphenyl
Concen: 5.187 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.9	60.9
76	11.5	0.0	35.2





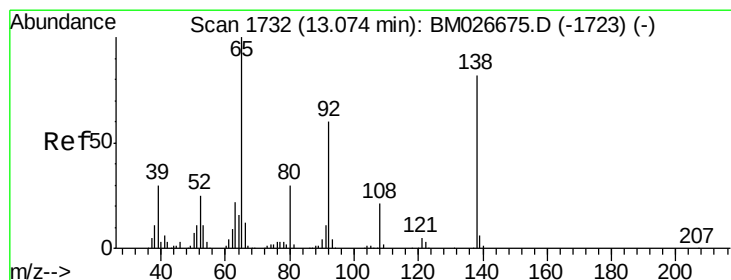
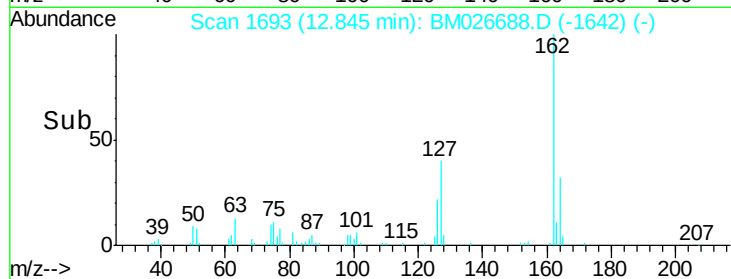
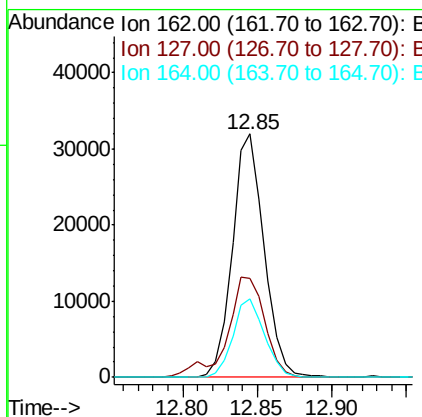
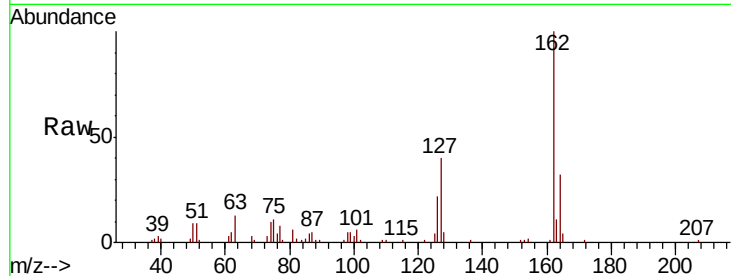
#47
2-Chloronaphthalene
Concen: 4.355 ng
RT: 12.85 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.5	34.0	51.0
164	32.1	26.9	40.3

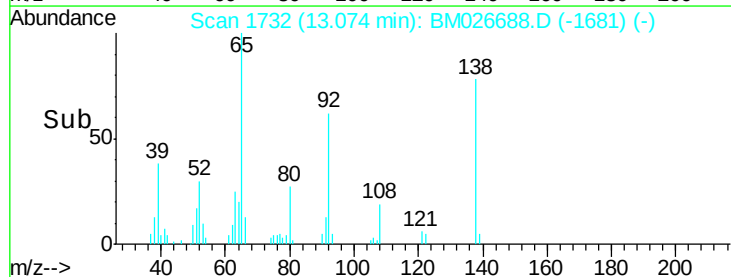
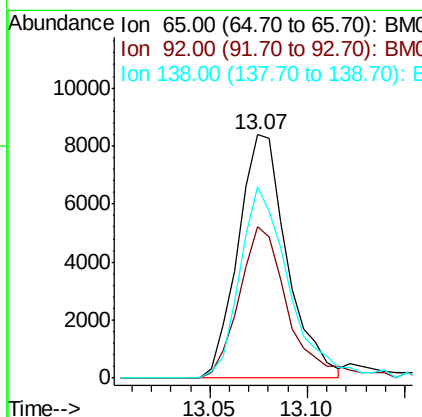
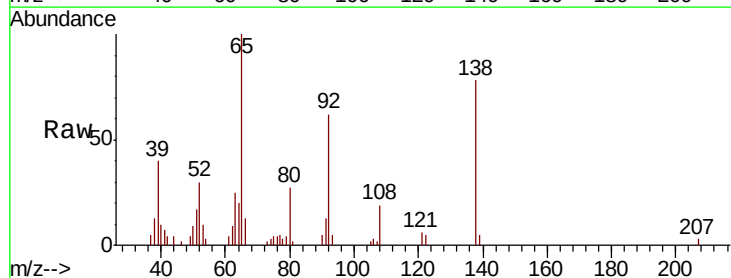
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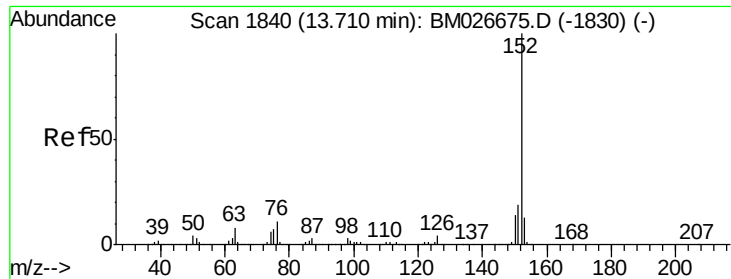
mohammad
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#48
2-Nitroaniline
Concen: 3.274 ng
RT: 13.07 min Scan# 1732
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.1	47.8	71.8
138	78.4	65.6	98.4





#49

Acenaphthylene

Concen: 4.396 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

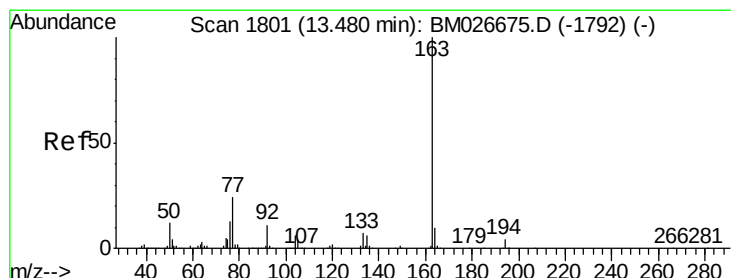
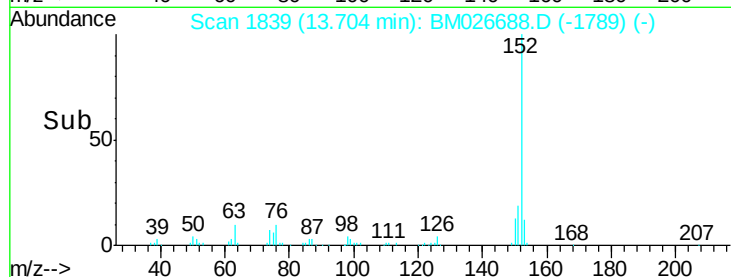
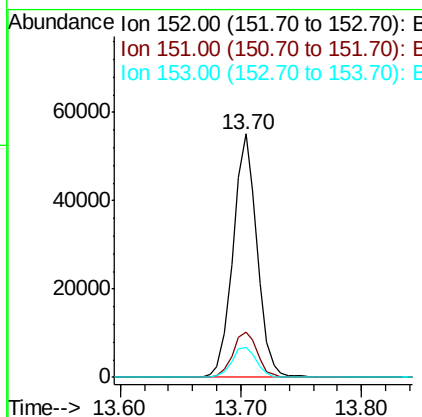
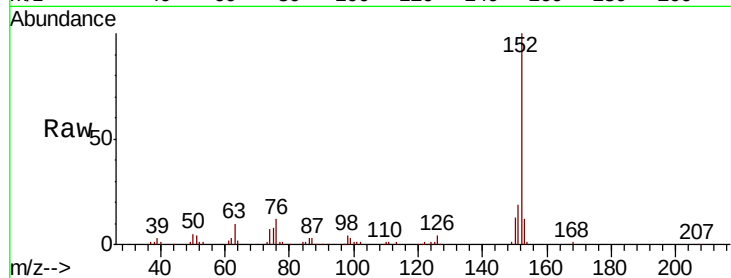
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	76206
Ion Ratio	Lower	Upper	
152	100		
151	18.6	15.6	23.4
153	12.1	10.4	15.6

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#50

Dimethylphthalate

Concen: 4.536 ng

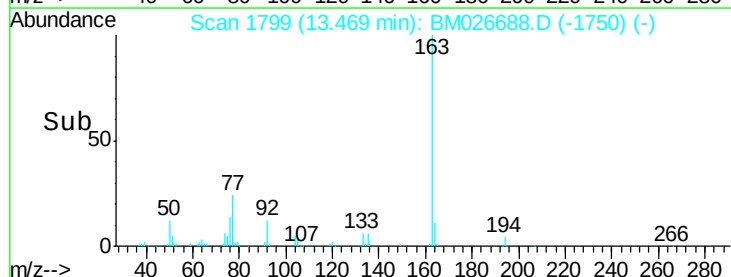
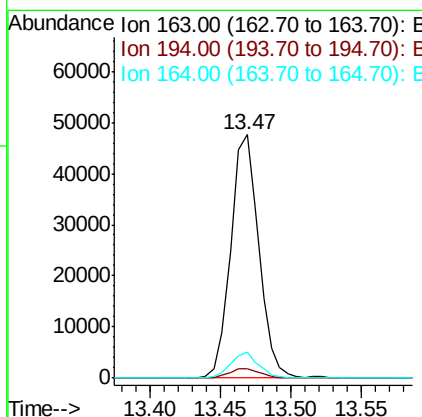
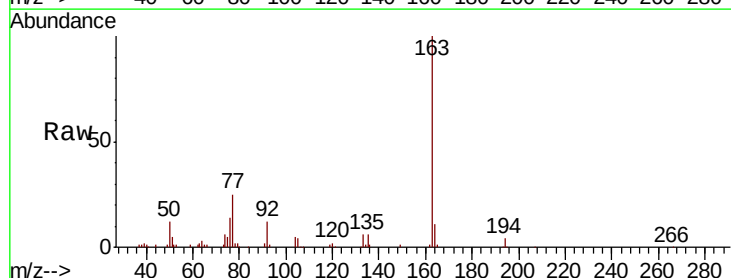
RT: 13.47 min Scan# 1799

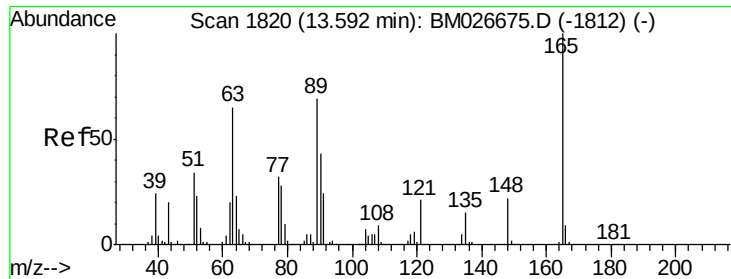
Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	163	Resp:	65940
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.2
164	10.7	7.8	11.6





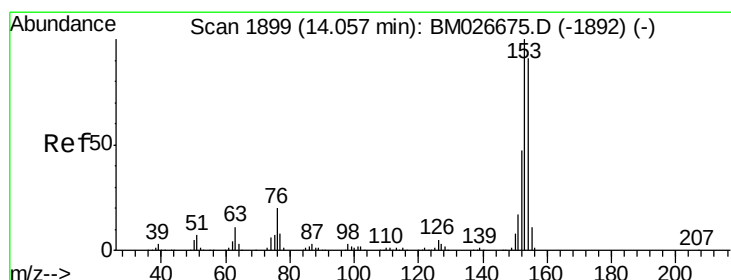
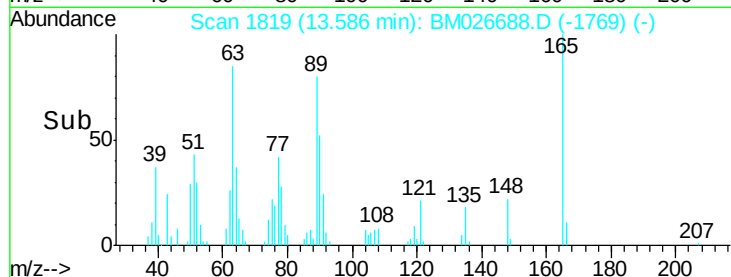
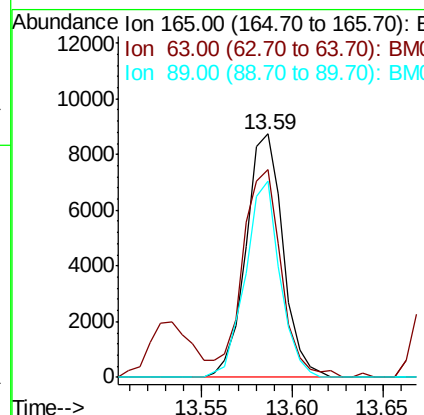
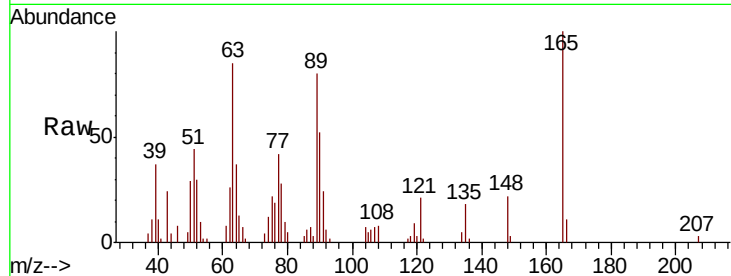
#51
2,6-Dinitrotoluene
Concen: 3.992 ng
RT: 13.59 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100	12427		
63	85.3	61.1	91.7	
89	80.4	54.9	82.3	

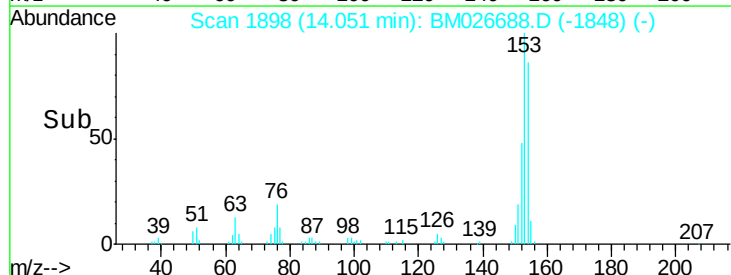
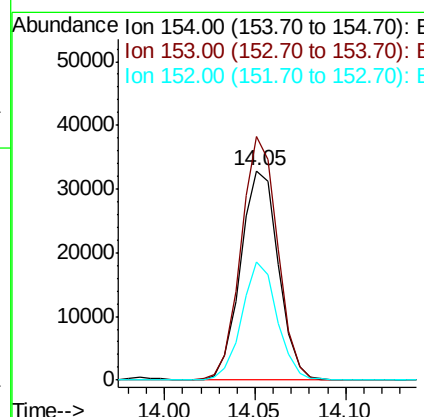
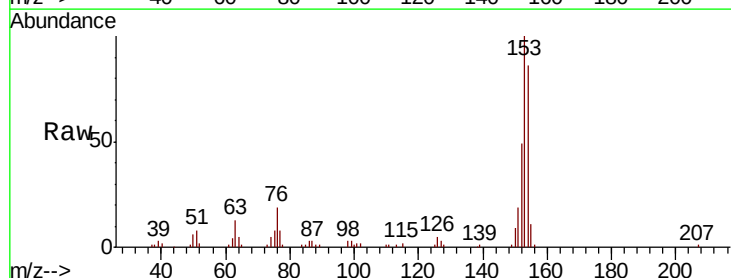
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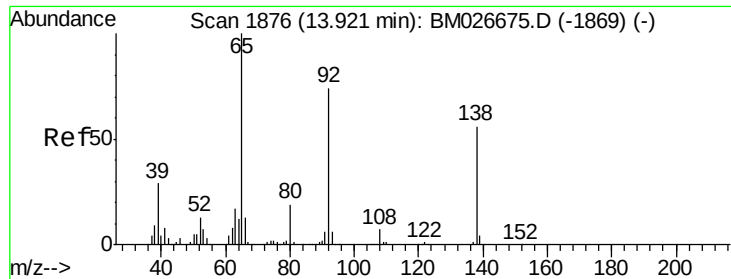
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#52
Acenaphthene
Concen: 4.522 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	47643		
153	116.2	88.3	132.5	
152	56.4	41.1	61.7	





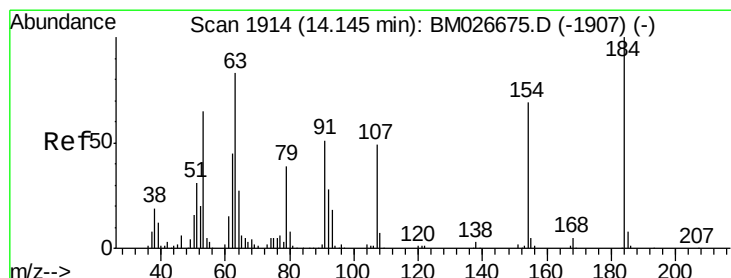
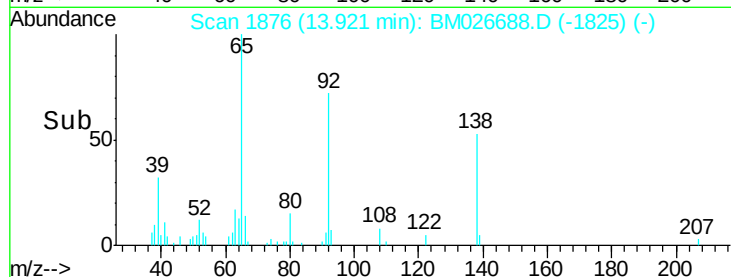
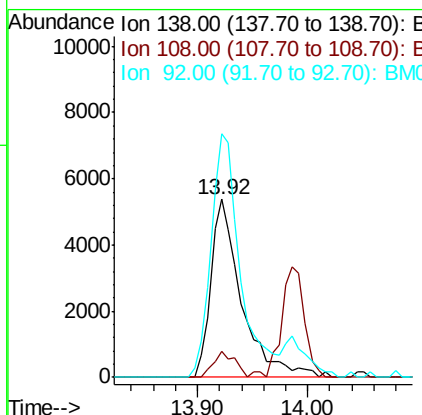
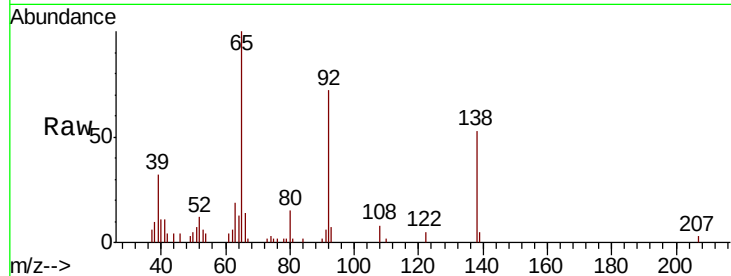
#53
 3-Nitroaniline
 Concen: 3.184 ng
 RT: 13.92 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	14.6	9.7	14.5#
92	136.9	105.6	158.4

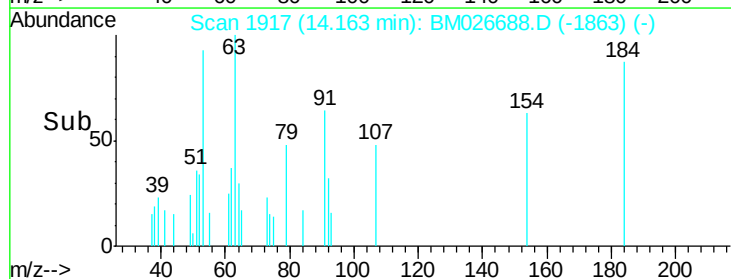
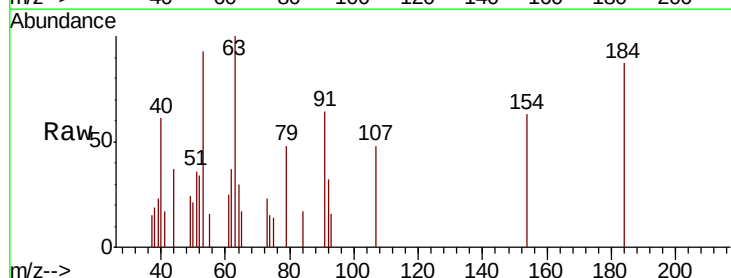
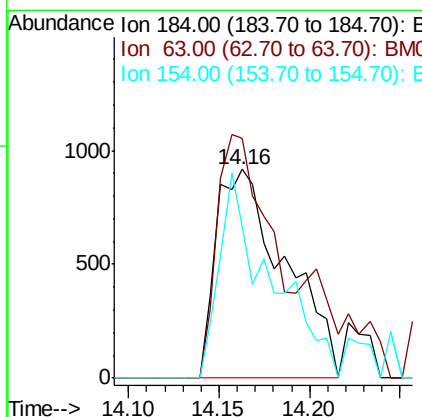
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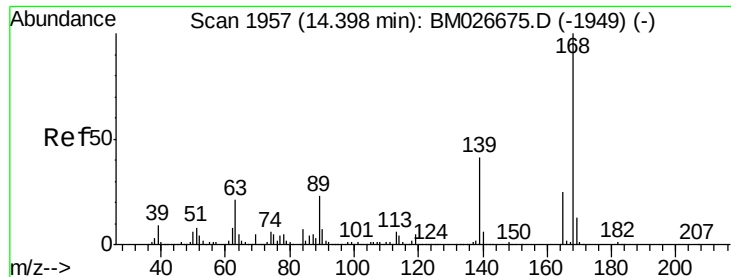
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#54
 2,4-Dinitrophenol
 Concen: 1.331 ng
 RT: 14.16 min Scan# 1917
 Delta R.T. 0.02 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	114.7	66.2	99.4#
154	72.5	55.2	82.8





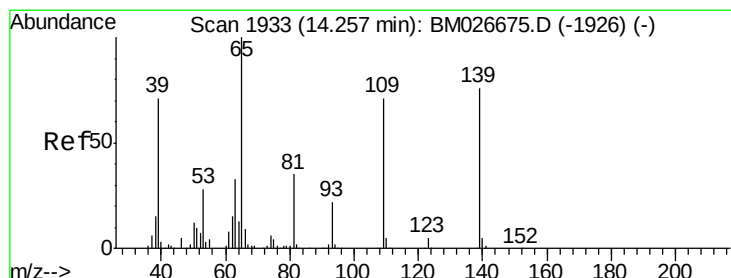
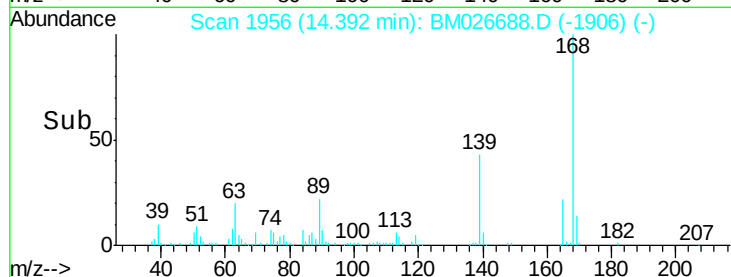
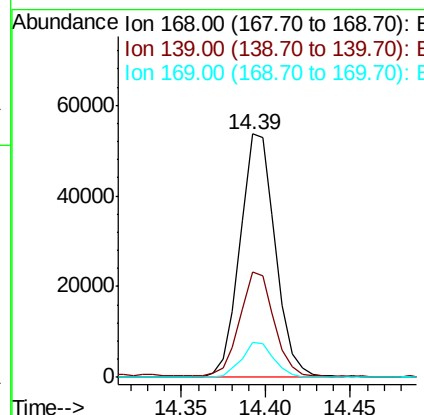
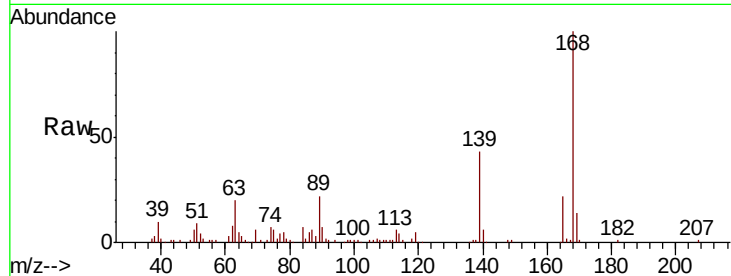
#55
Dibenzenofuran
Concen: 4.518 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.3	32.6	48.8
169	14.3	10.5	15.7

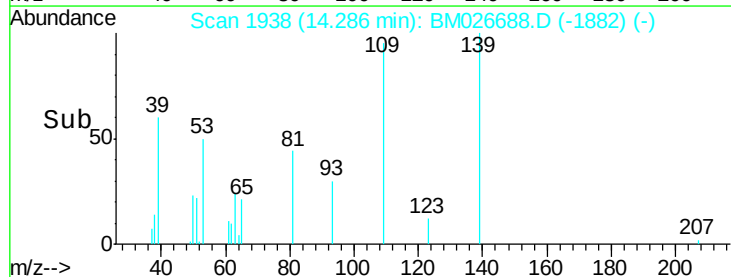
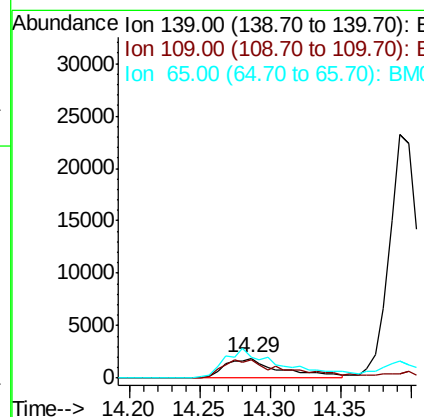
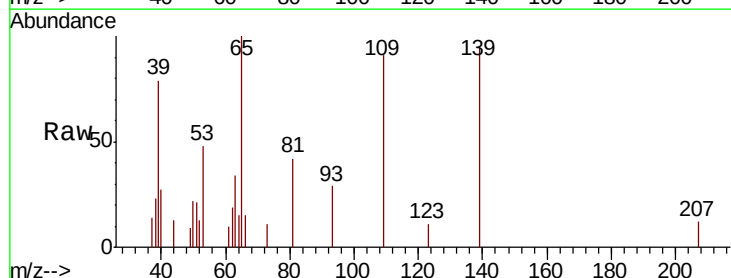
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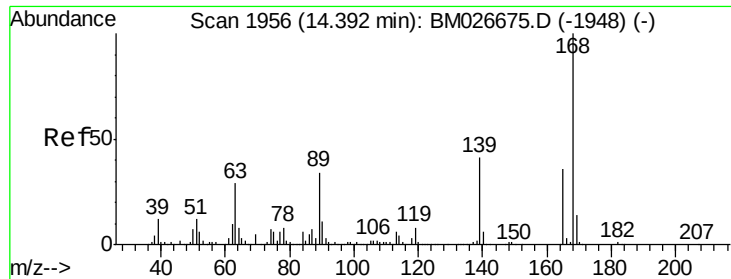
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#56
4-Nitrophenol
Concen: 2.044 ng
RT: 14.29 min Scan# 1938
Delta R.T. 0.03 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	95.5	73.7	113.7
65	105.0	111.5	151.5#





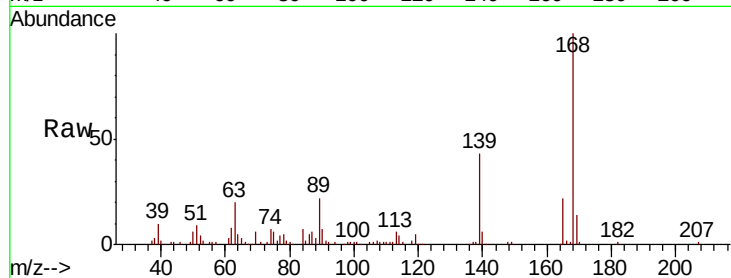
#57
 2,4-Dinitrotoluene
 Concen: 3.635 ng
 RT: 14.39 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

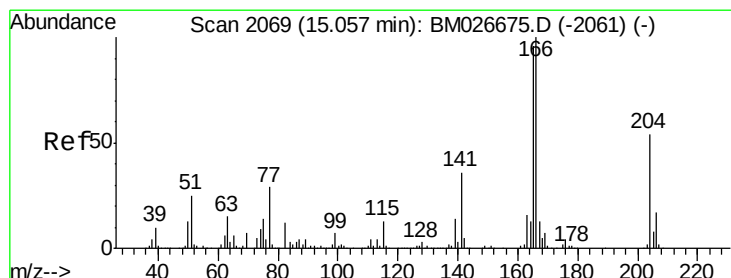
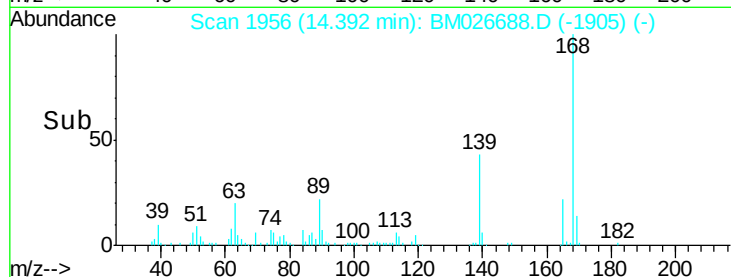
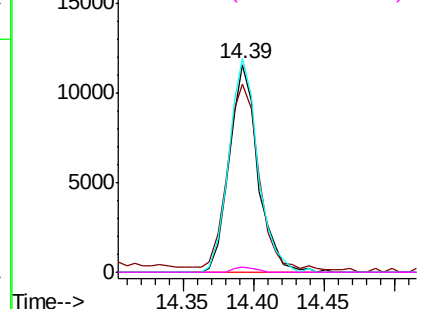
Tot Ion	165	Resp	16330
Ion	Ratio	Lower	Upper
165	100		
63	90.9	64.6	97.0
89	103.0	75.4	113.2
182	2.8	2.2	3.4

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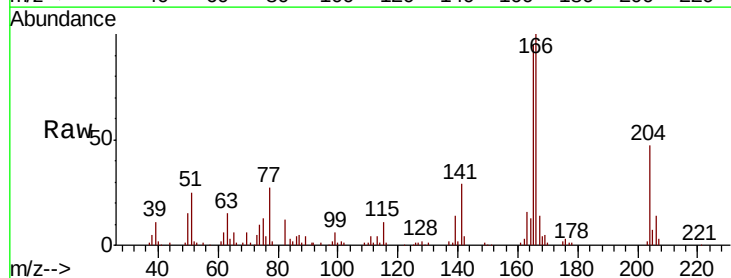


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM0
 Ion 89.00 (88.70 to 89.70): BM0
 Ion 182.00 (181.70 to 182.70): E

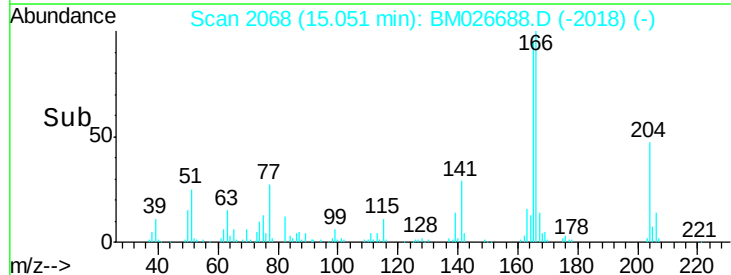
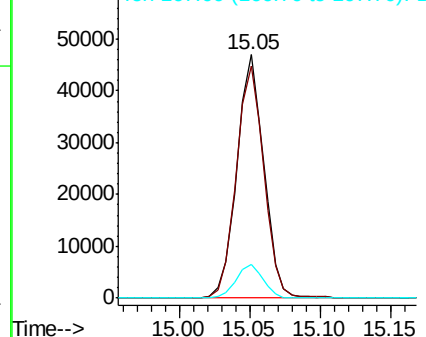


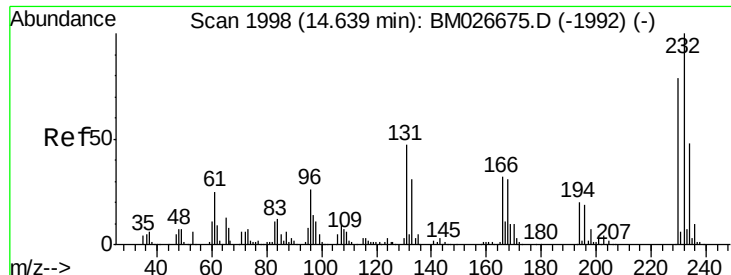
#58
 Fluorene
 Concen: 4.371 ng
 RT: 15.05 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	166	Resp	62517
Ion	Ratio	Lower	Upper
166	100		
165	95.1	77.1	115.7
167	13.6	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





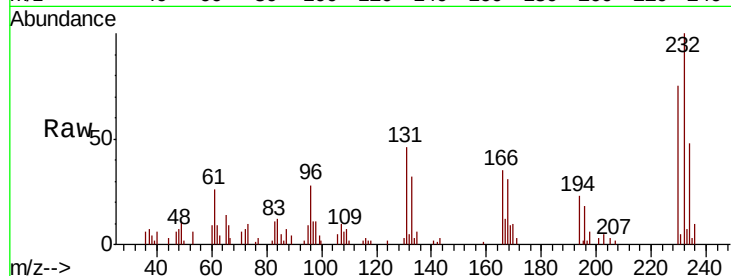
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.276 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.7	38.4	57.6
130	1.6	2.2	3.2
166	29.8	25.4	38.0

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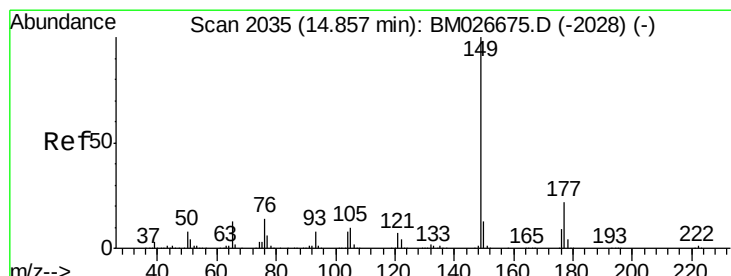
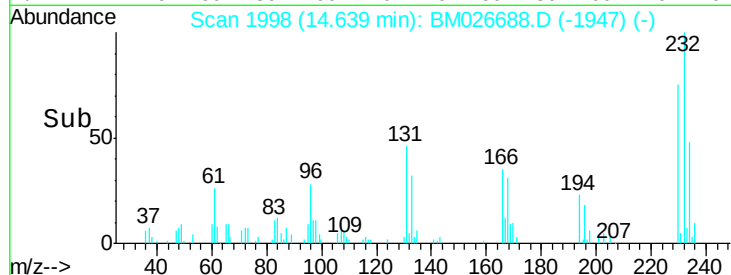
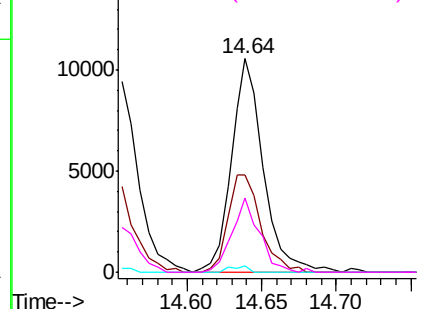
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

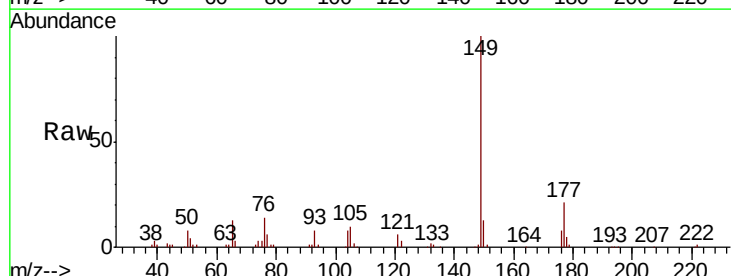
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 4.421 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.8	26.6
150	13.0	10.2	15.4

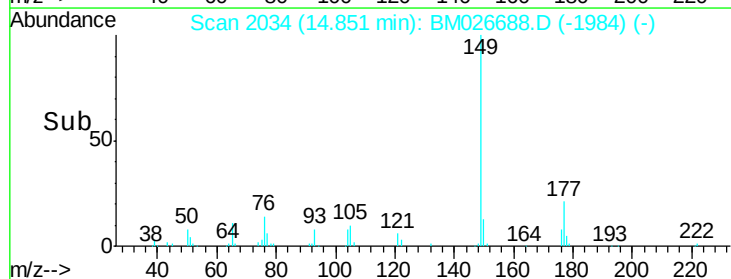
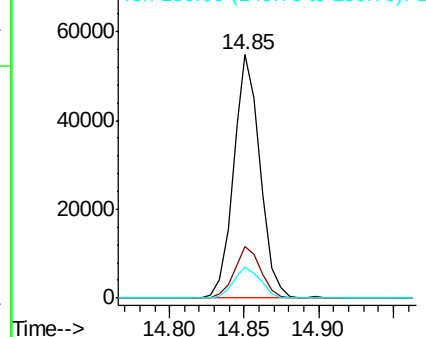


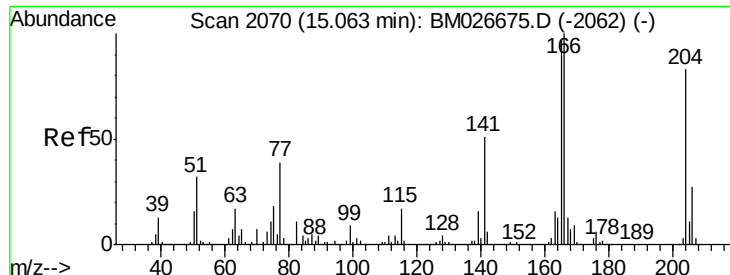
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





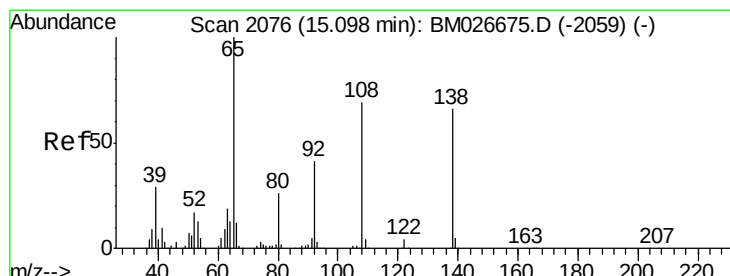
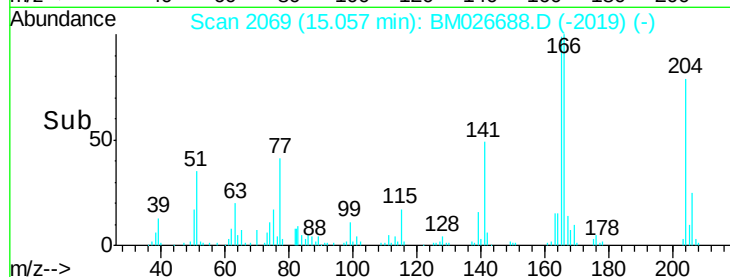
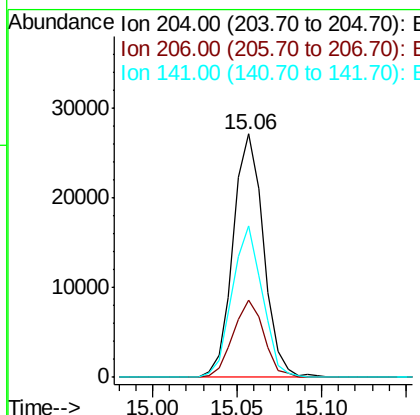
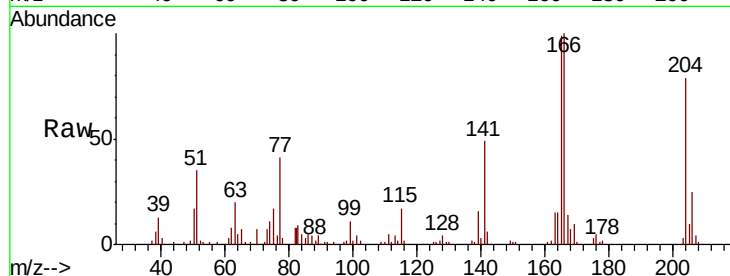
#61
4-Chlorophenyl-phenylether
Concen: 4.388 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.9	38.9
141	62.0	49.5	74.3

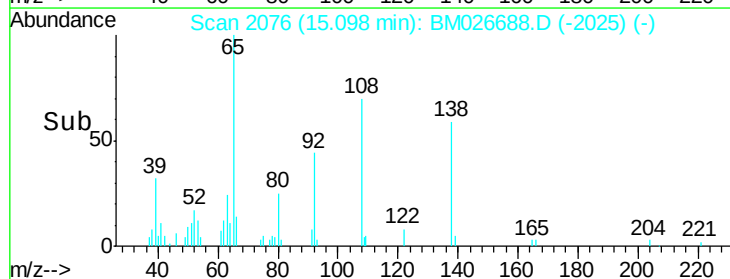
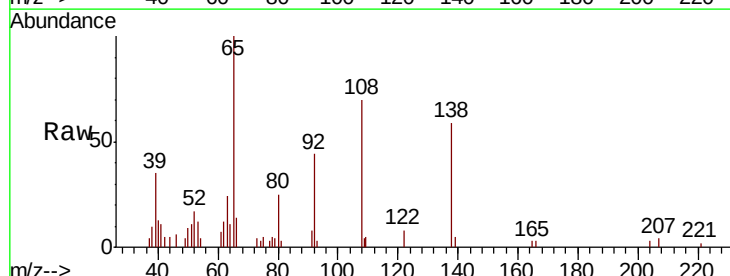
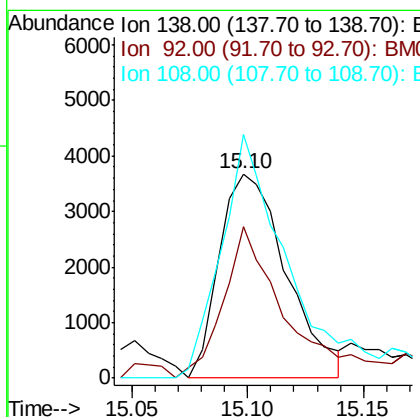
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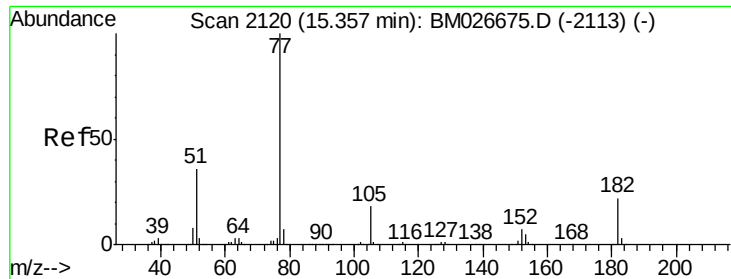
mohammad
7/9/2020 10:56:41 AM



#62
4-Nitroaniline
Concen: 2.199 ng
RT: 15.10 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	74.2	41.5	81.5
108	119.4	84.8	124.8





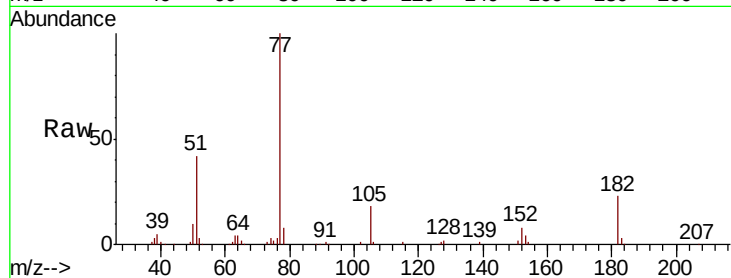
#63
Azobenzene
Concen: 4.179 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	22.9	1.6	41.6	
105	17.7	0.0	37.8	
51	41.7	16.5	56.5	

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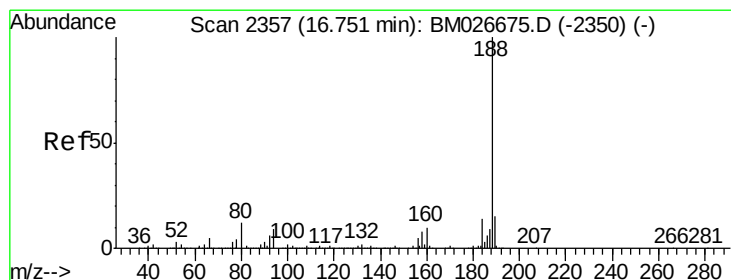
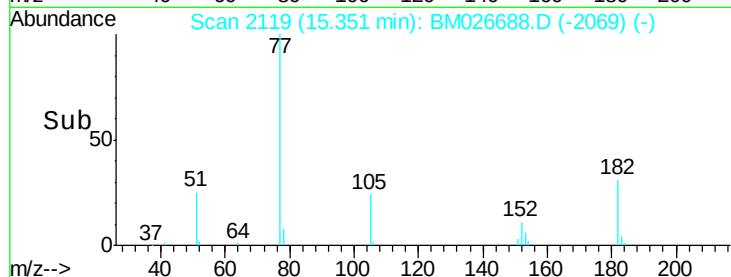
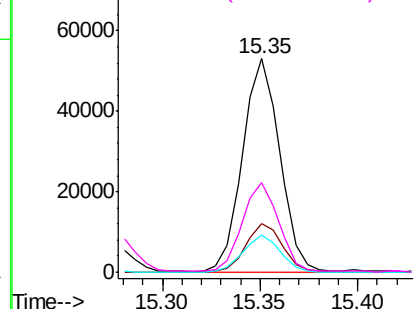


Abundance Ion 77.00 (76.70 to 77.70): BM026688.D (-2069) (-)

Ion 182.00 (181.70 to 182.70): E

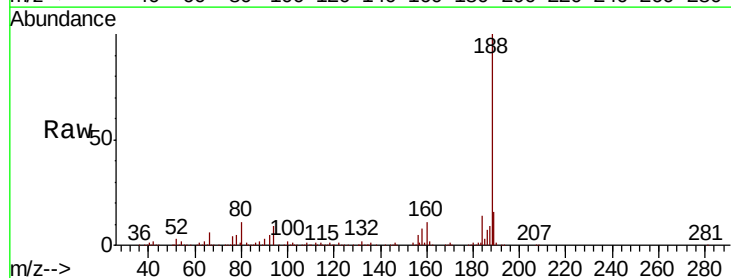
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM026688.D (-2069) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

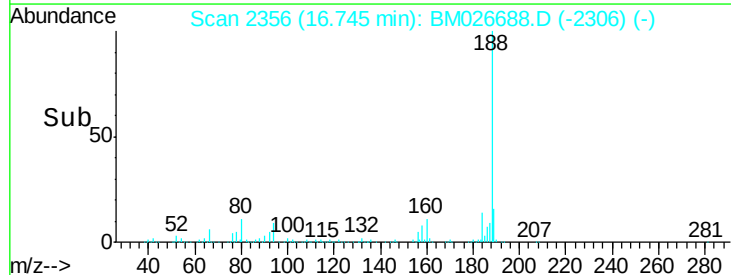
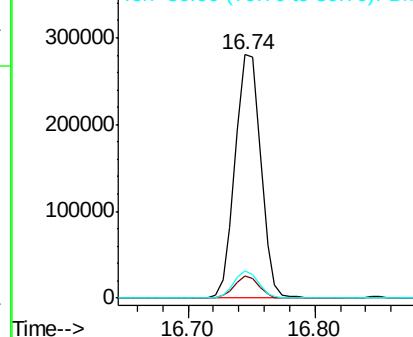
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.3	7.4	11.0	
80	11.2	9.3	13.9	

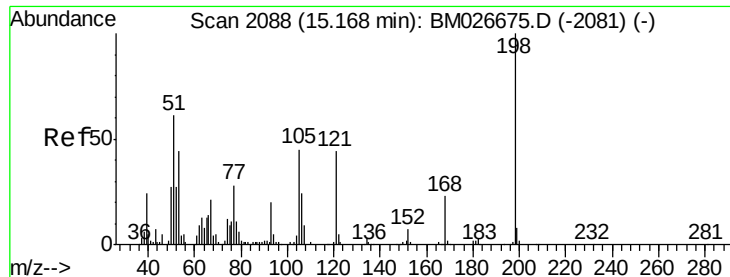


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM026688.D (-2306) (-)

Ion 80.00 (79.70 to 80.70): BM026688.D (-2306) (-)





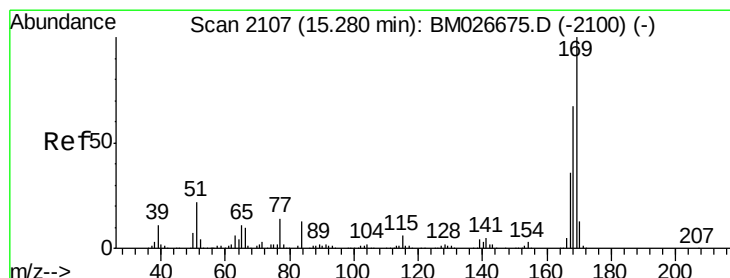
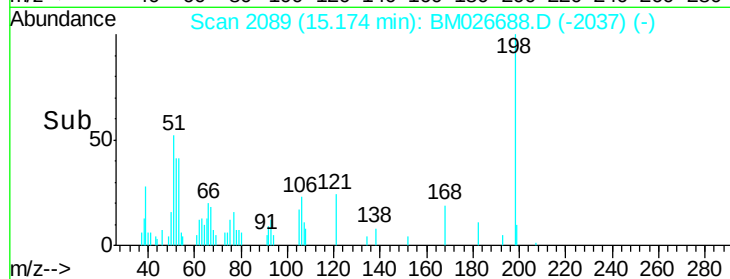
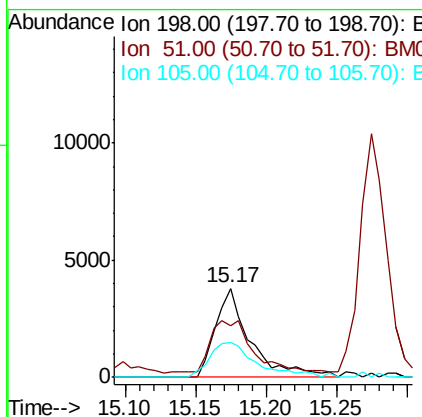
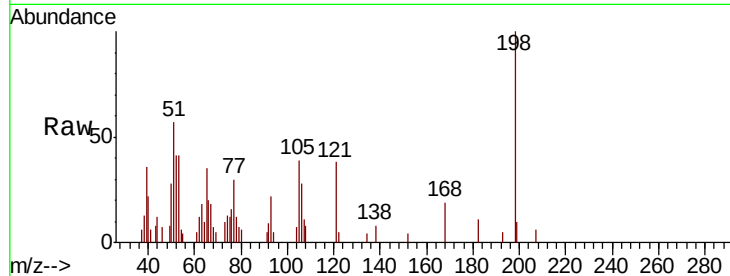
#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.463 ng
 RT: 15.17 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
198	100		
51	57.3	42.0	82.0
105	39.4	24.9	64.9

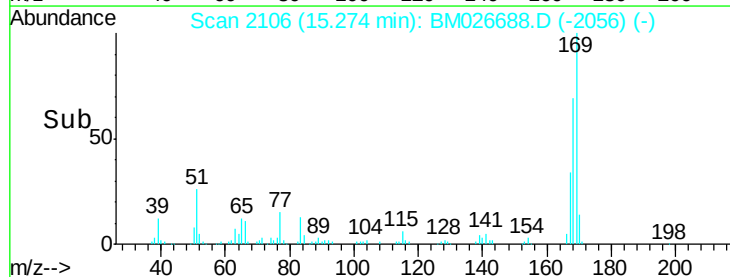
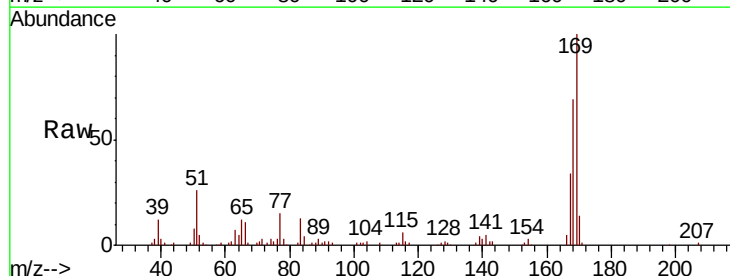
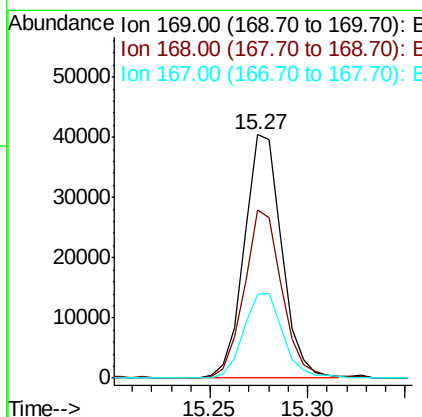
Manual Integrations
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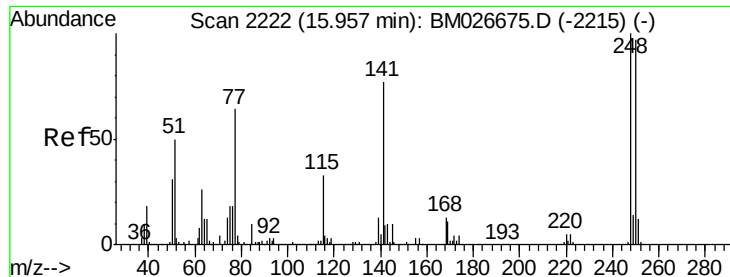
mohammad
 7/9/2020 10:56:41 AM



#66
 n-Nitrosodiphenylamine
 Concen: 4.301 ng
 RT: 15.27 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.2	53.8	80.8
167	34.3	28.6	43.0





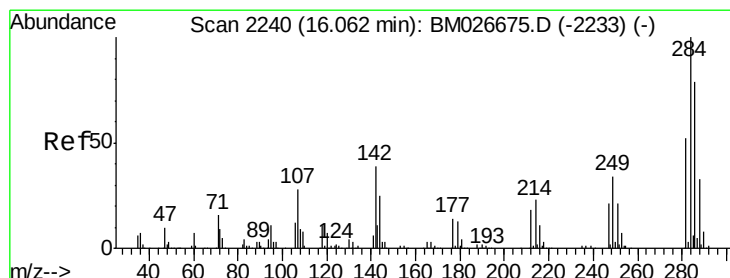
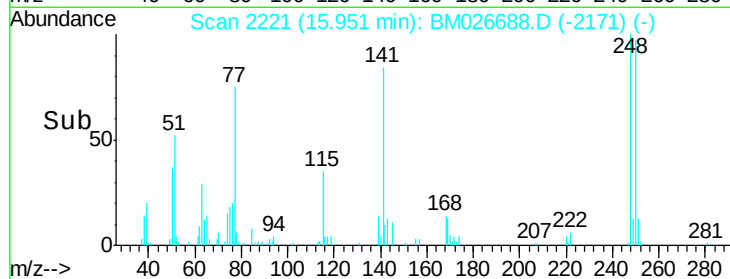
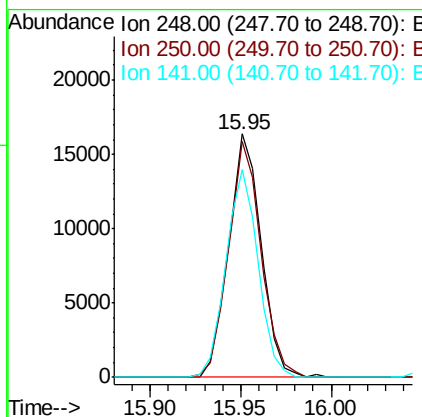
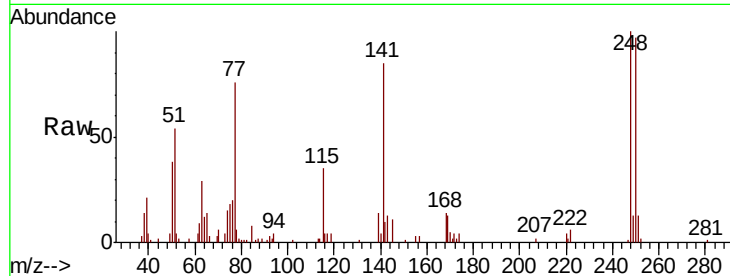
#67
 4-Bromophenyl-phenylether
 Concen: 4.177 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.4	116.2
141	85.3	61.9	92.9

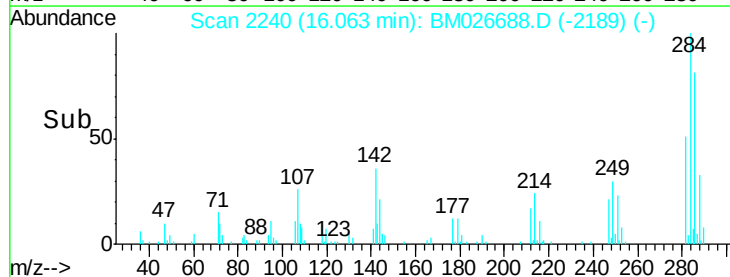
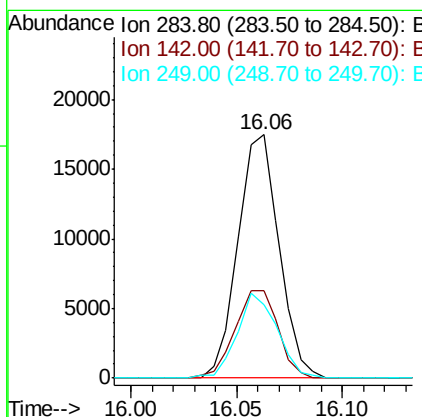
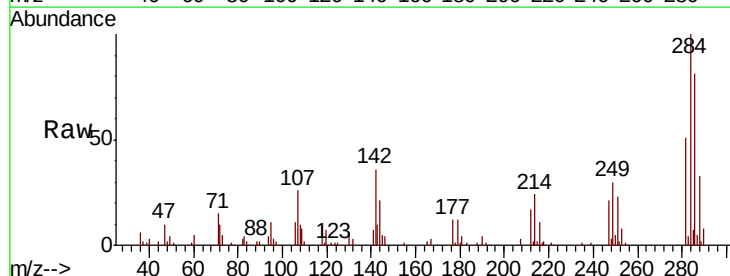
Manual Integrations
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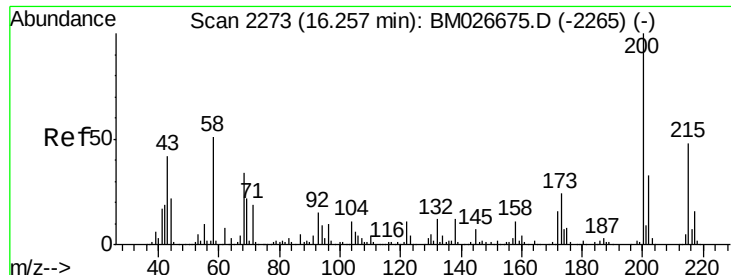
mohammad
 7/9/2020 10:56:41 AM



#68
 Hexachlorobenzene
 Concen: 4.579 ng
 RT: 16.06 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.0	31.1	46.7
249	30.3	27.4	41.0





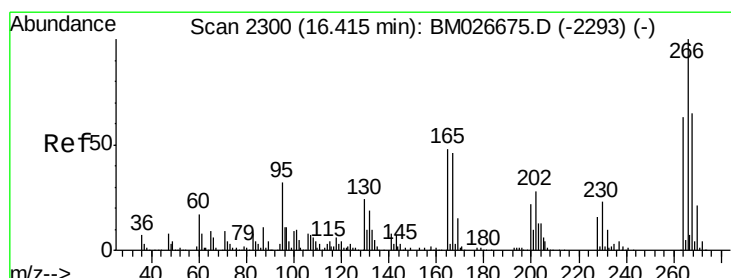
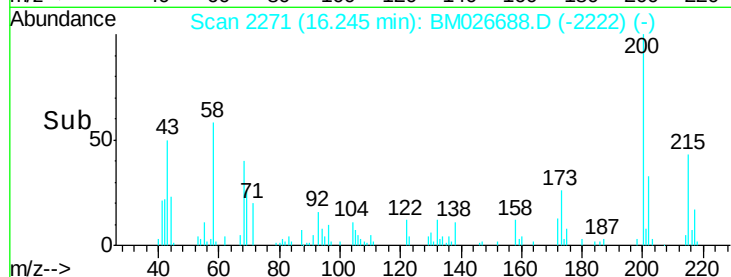
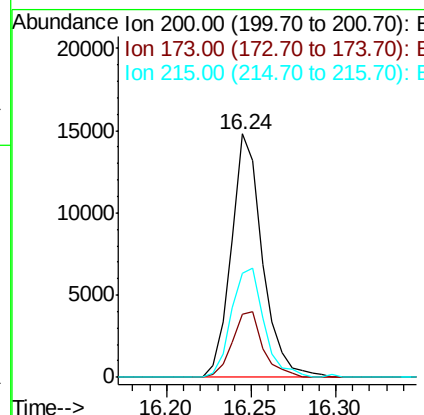
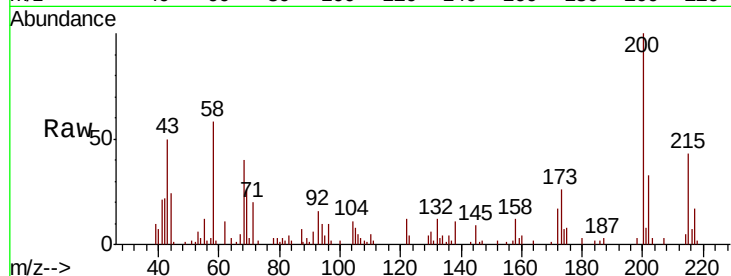
#69
Atrazine
Concen: 5.042 ng
RT: 16.24 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	4.5	44.5
215	42.7	28.4	68.4

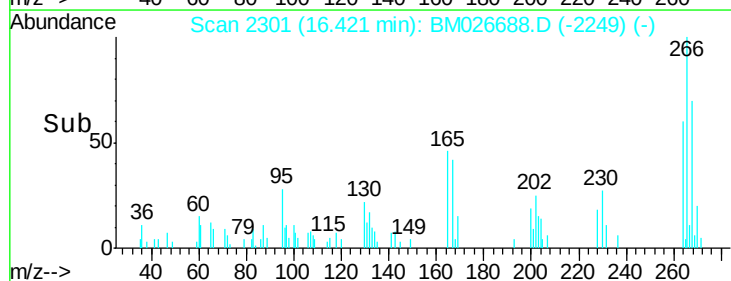
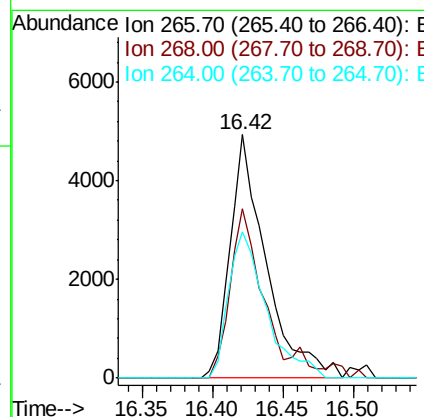
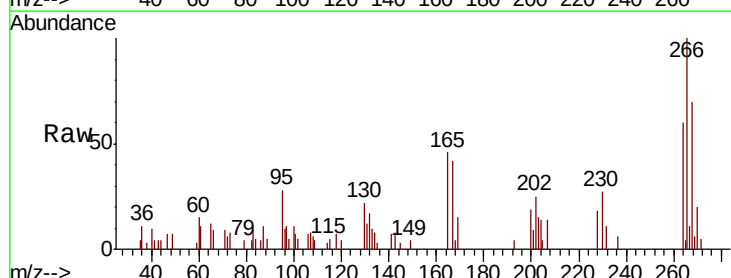
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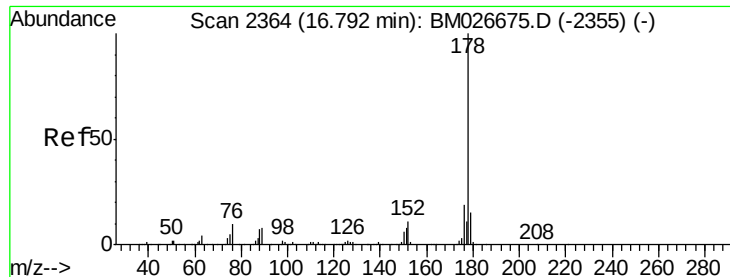
mohammad
7/9/2020 10:56:41 AM



#70
Pentachlorophenol
Concen: 3.009 ng
RT: 16.42 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.5	51.8	77.6
264	60.0	50.1	75.1





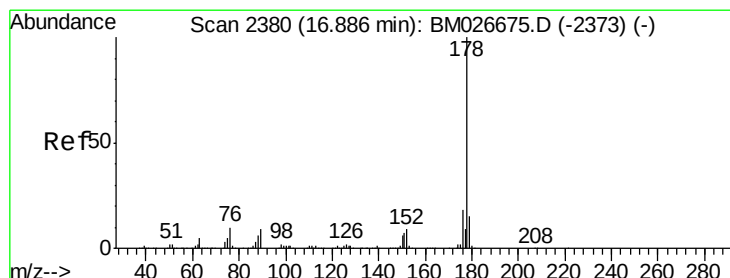
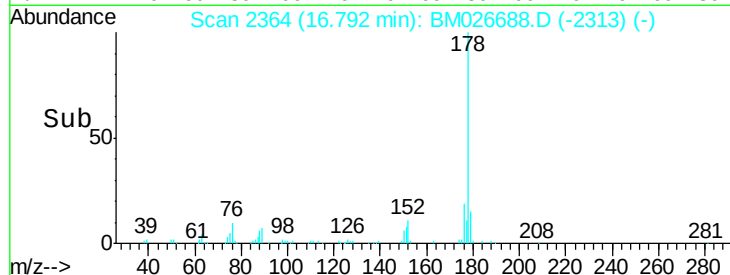
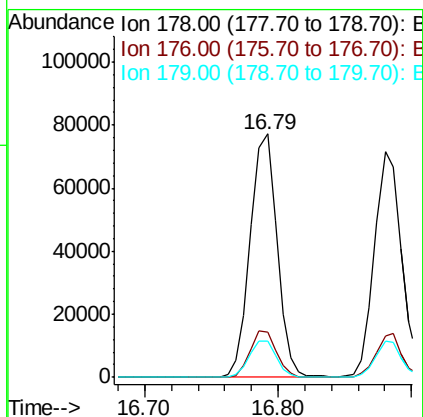
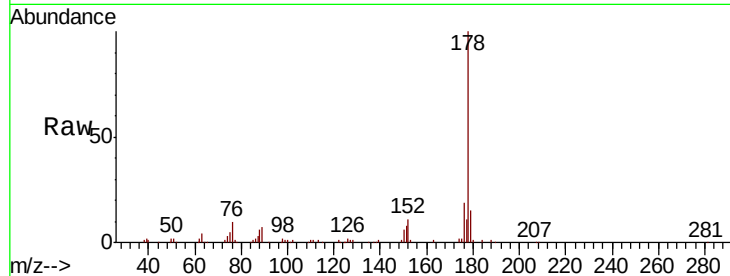
#71
Phenanthrene
Concen: 4.623 ng
RT: 16.79 min Scan# 2364
Delta R.T. 0.00 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	14.8	12.1	18.1

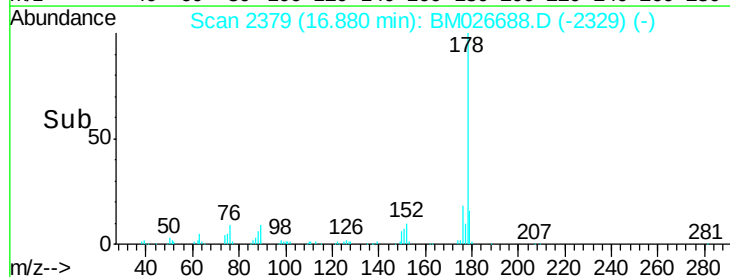
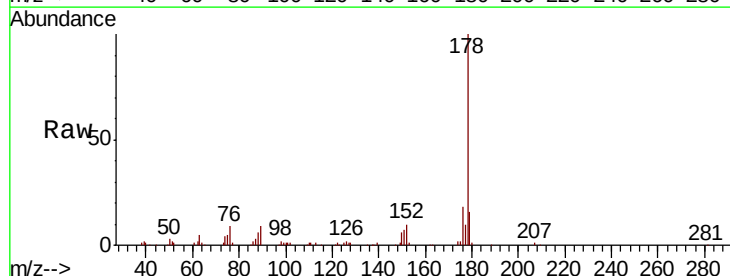
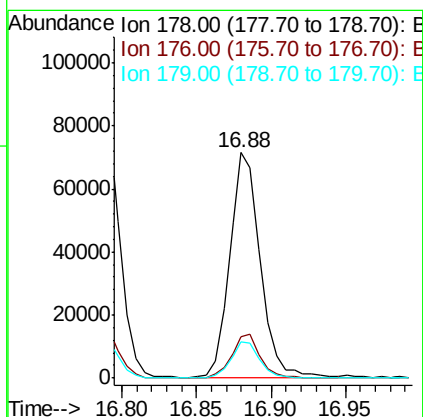
Manual Integrations
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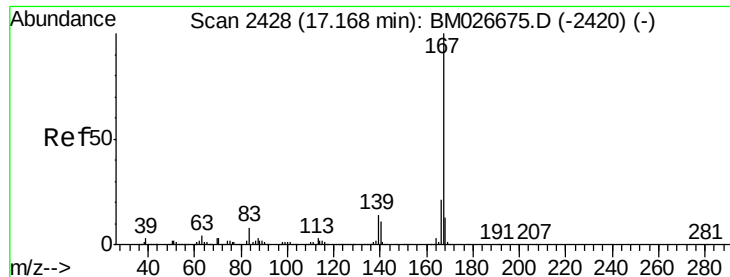
mohammad
7/9/2020 10:56:41 AM



#72
Anthracene
Concen: 4.400 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	16.3	12.1	18.1





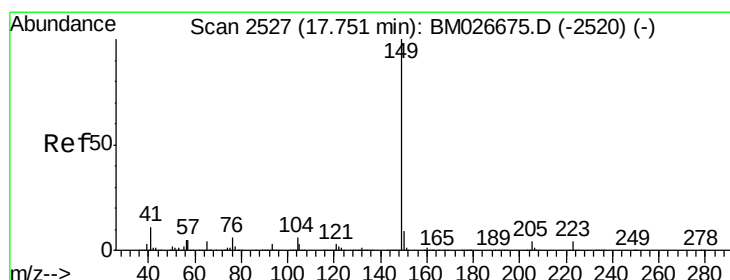
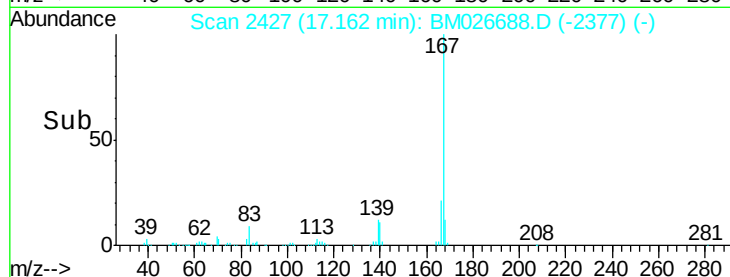
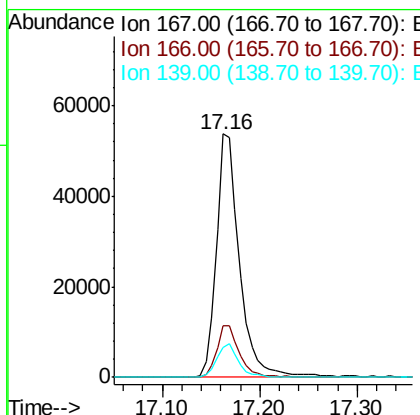
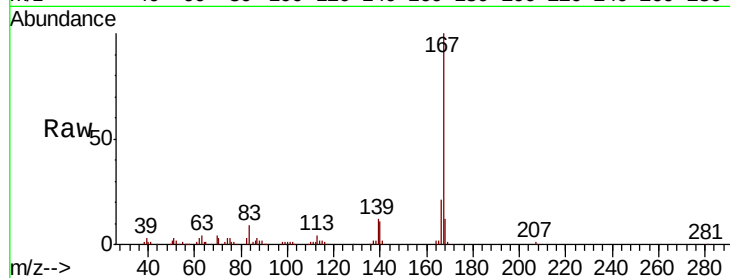
#73
 Carbazole
 Concen: 4.009 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	12.5	10.8	16.2

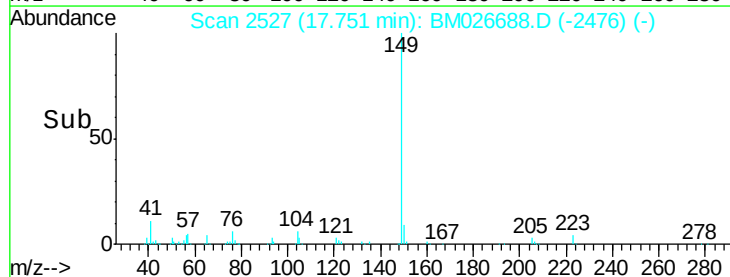
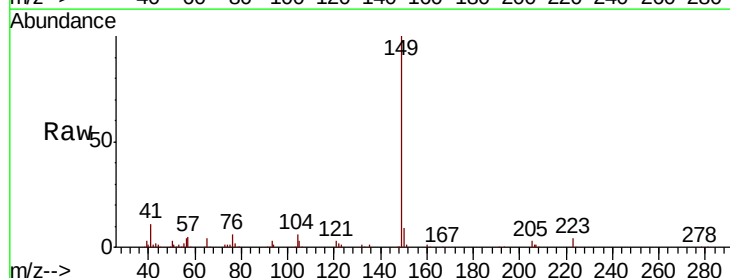
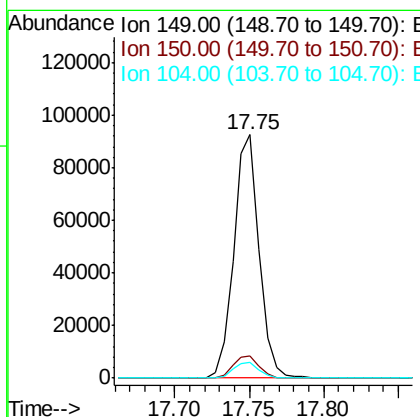
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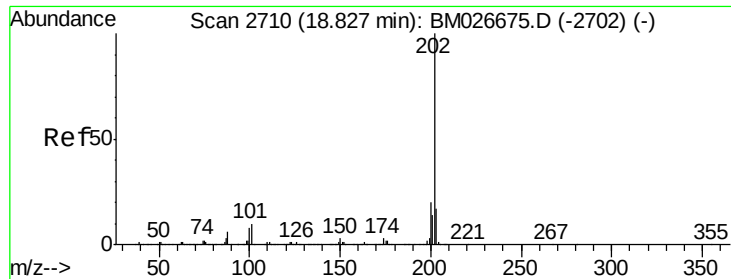
mohammad
 7/9/2020 10:56:41 AM



#74
 Di-n-butylphthalate
 Concen: 3.947 ng
 RT: 17.75 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	6.4	5.0	7.4





#75

Fluoranthene

Concen: 4.445 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

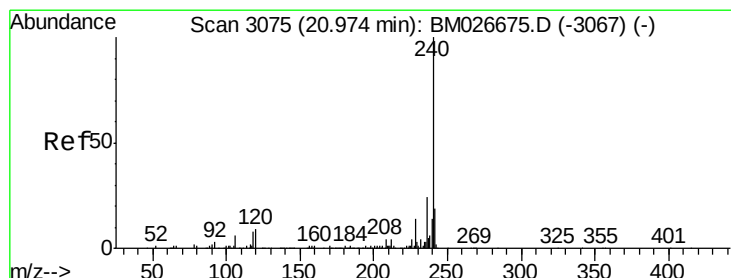
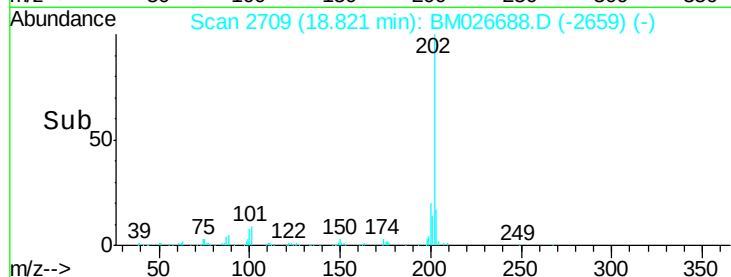
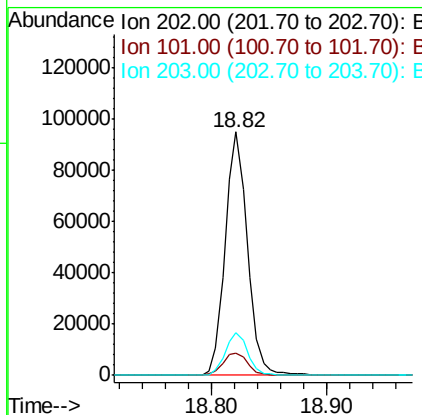
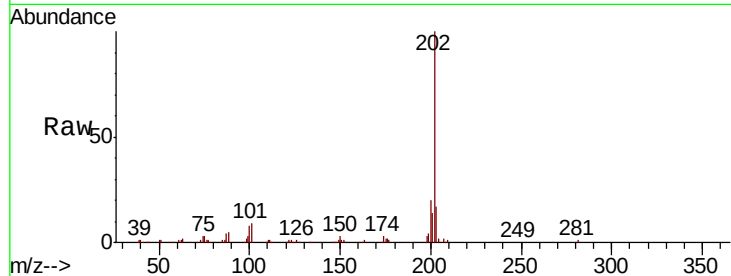
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.2	0.0	30.1
203	17.3	0.0	37.2

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#76

Chrysene-d12

Concen: 20.000 ng

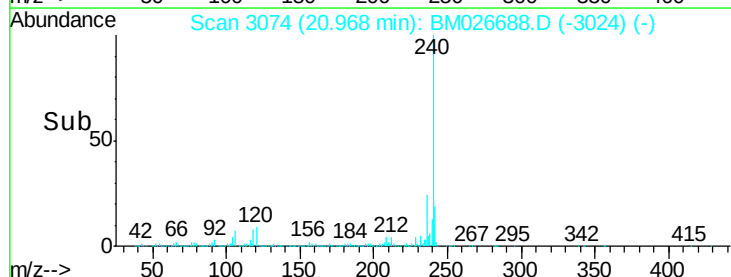
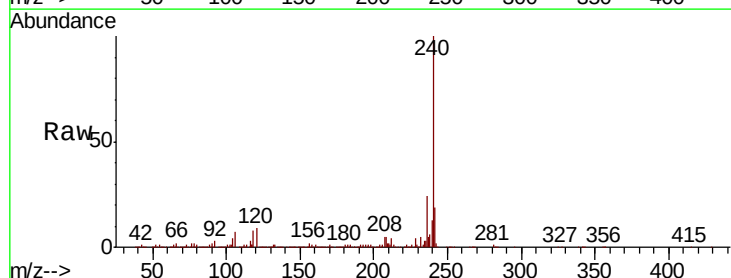
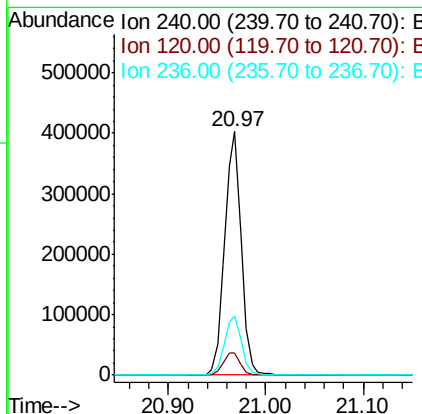
RT: 20.97 min Scan# 3074

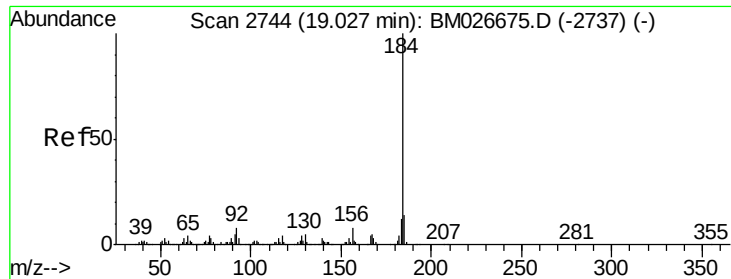
Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	7.3	10.9
236	24.5	19.4	29.2





#77

Benzidine

Concen: 4.432 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

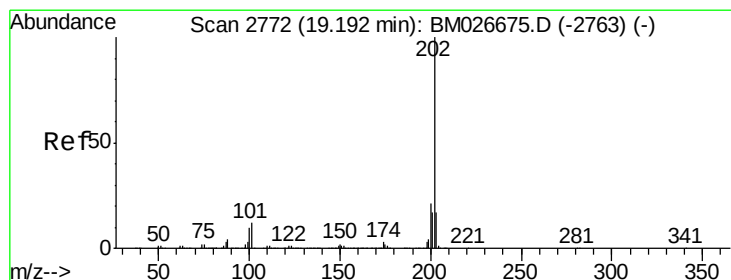
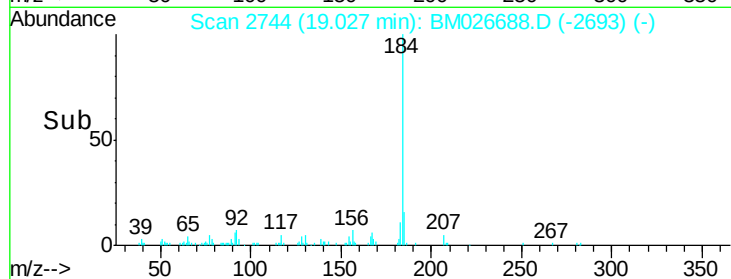
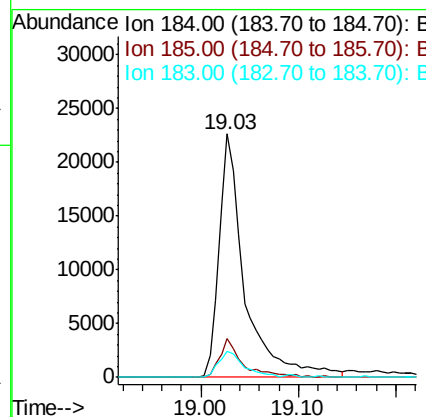
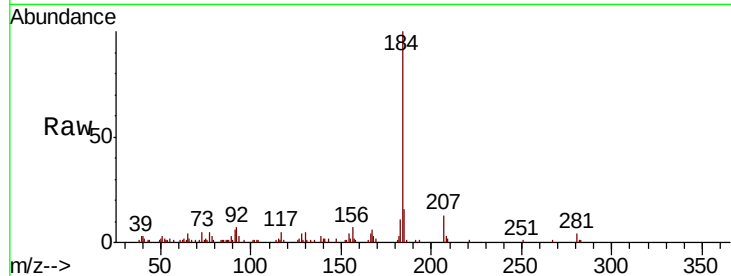
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	41357
Ion Ratio	Lower	Upper	
184	100		
185	15.7	10.9	16.3
183	10.5	9.3	13.9

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#78

Pyrene

Concen: 4.489 ng

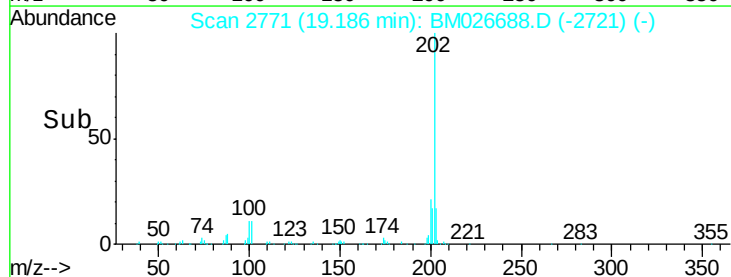
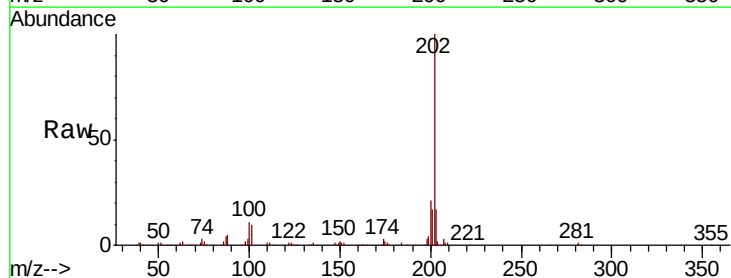
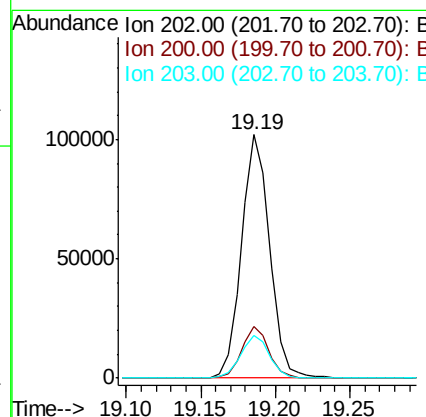
RT: 19.19 min Scan# 2771

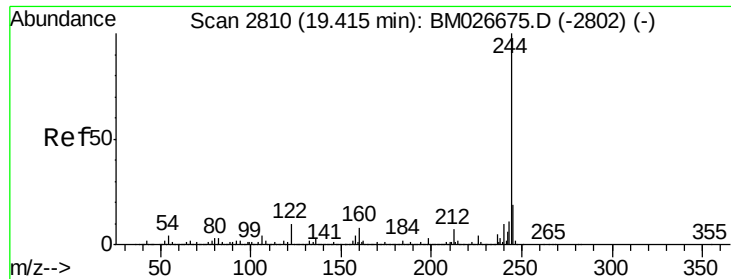
Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	202	Resp:	133823
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	24.8
203	17.3	13.7	20.5





#79

Terphenyl-d14

Concen: 157.843 ng

RT: 19.42 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:244 Resp: 3795906

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

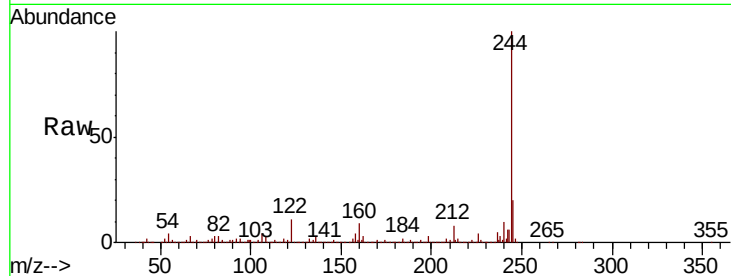
122 10.6 8.2 12.4

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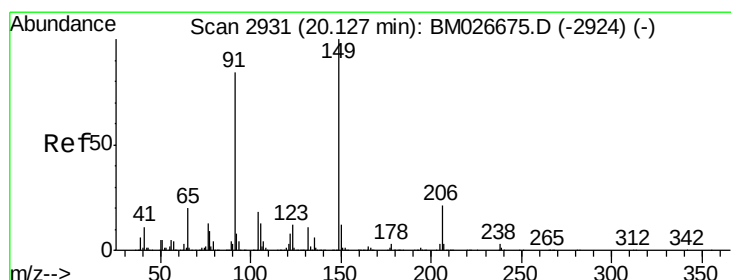
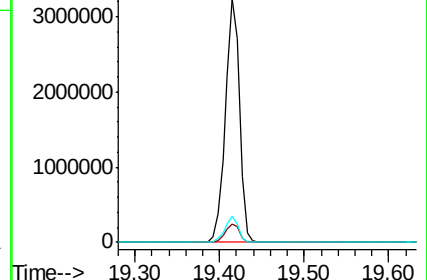
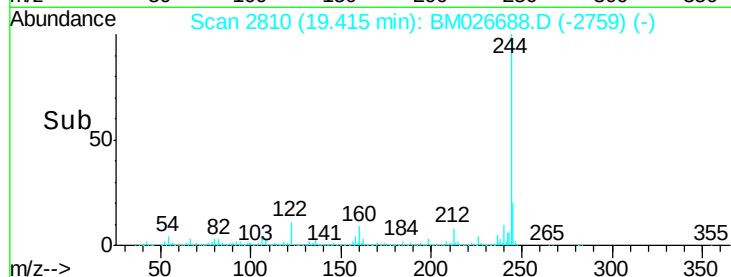
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 3.688 ng

RT: 20.13 min Scan# 2931

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

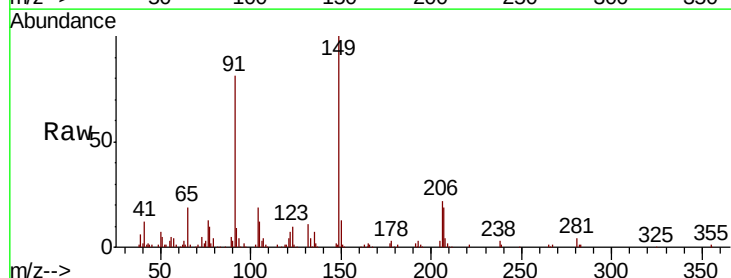
Tgt Ion:149 Resp: 49339

Ion Ratio Lower Upper

149 100

91 80.9 67.6 101.4

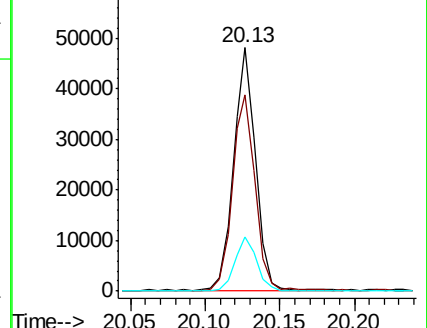
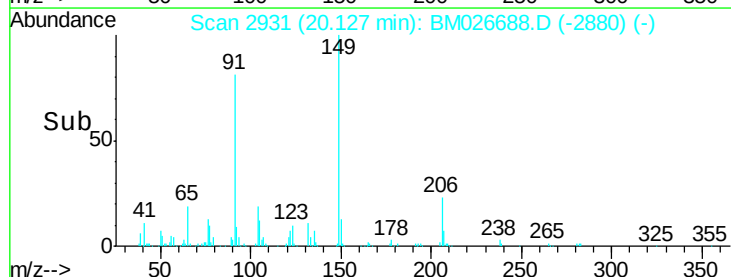
206 22.5 16.7 25.1

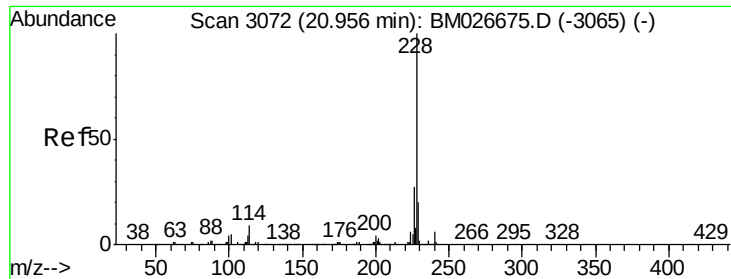


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 4.610 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

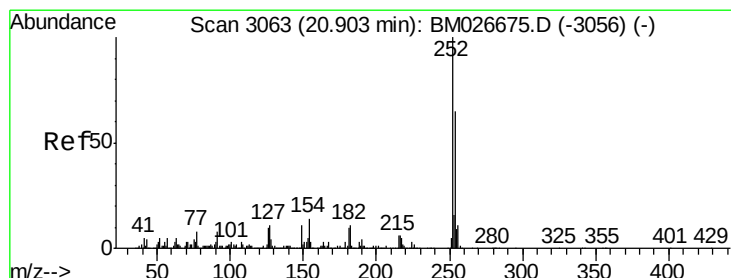
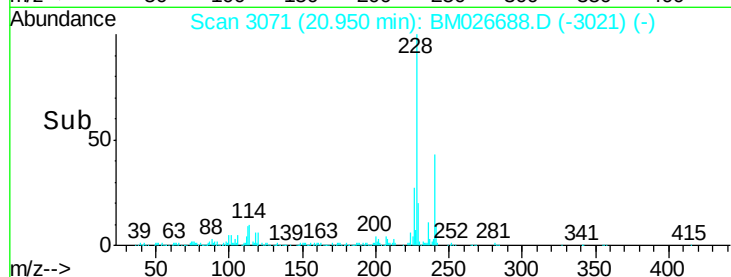
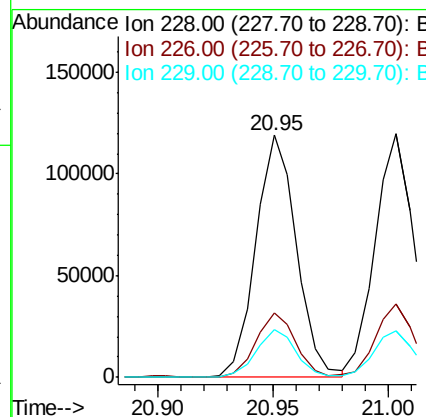
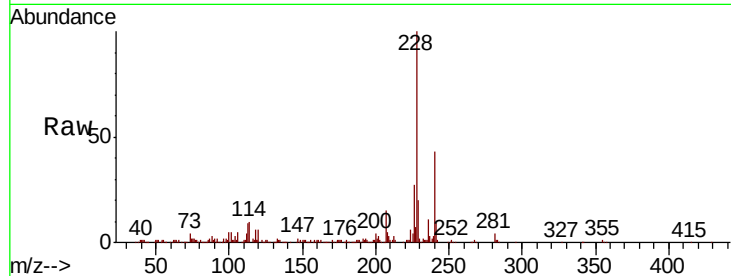
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	228	Resp:	146568
Ion Ratio		Lower	Upper
228	100		
226	26.5	21.4	32.2
229	19.9	15.6	23.4

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 4.576 ng

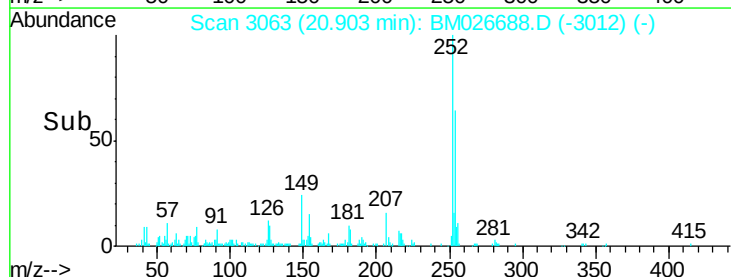
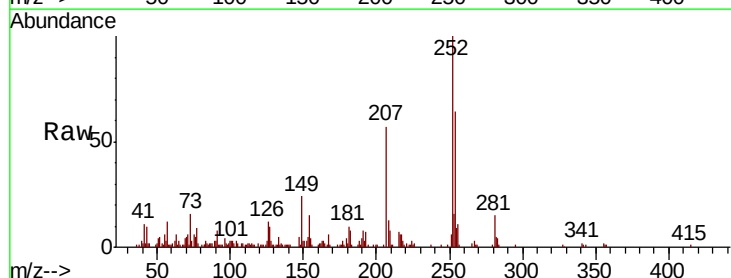
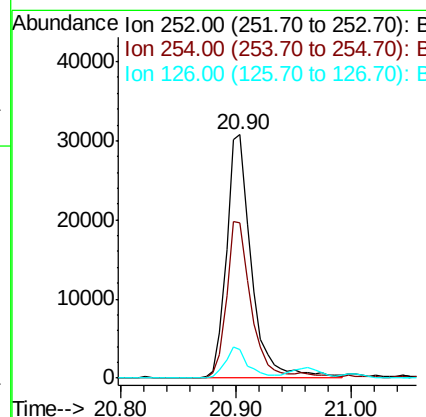
RT: 20.90 min Scan# 3063

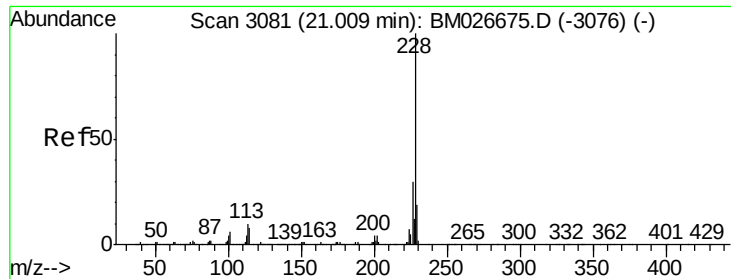
Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Tgt Ion:	252	Resp:	46176
Ion Ratio		Lower	Upper
252	100		
254	63.7	51.9	77.9
126	11.9	8.2	12.2





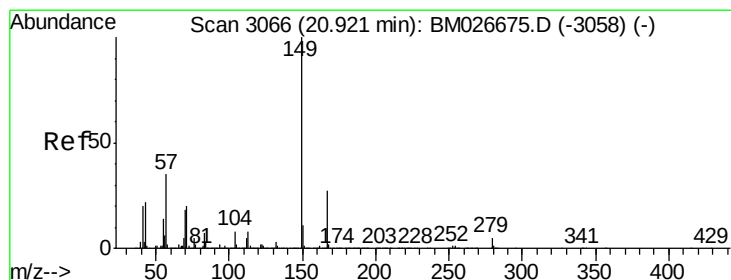
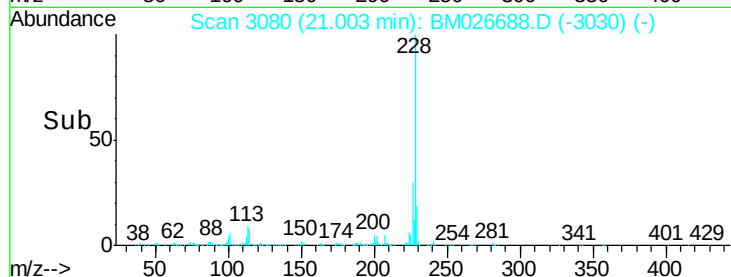
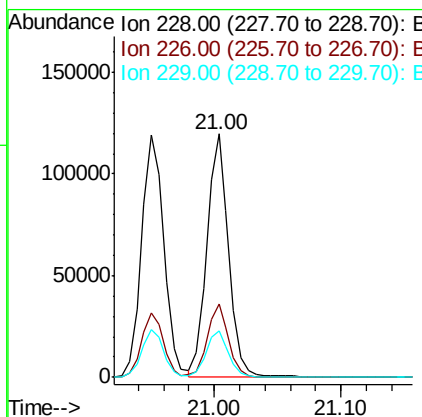
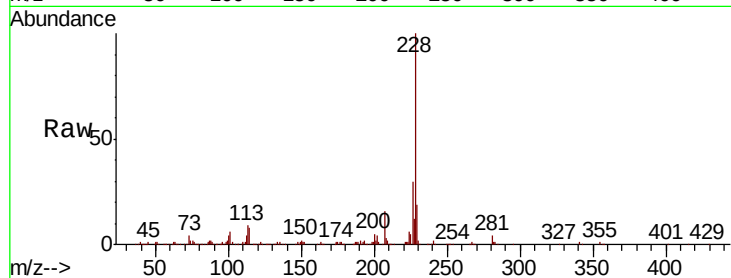
#83
 Chrysene
 Concen: 4.650 ng
 RT: 21.00 min Scan# 3080
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	19.2	15.4	23.0

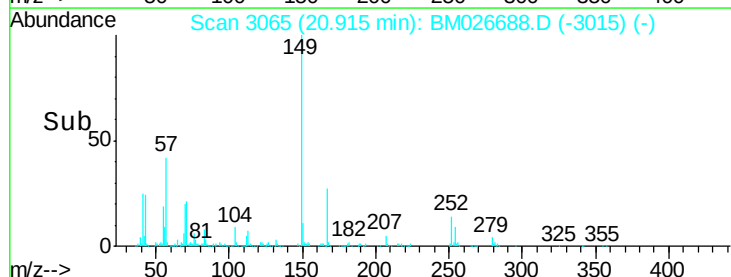
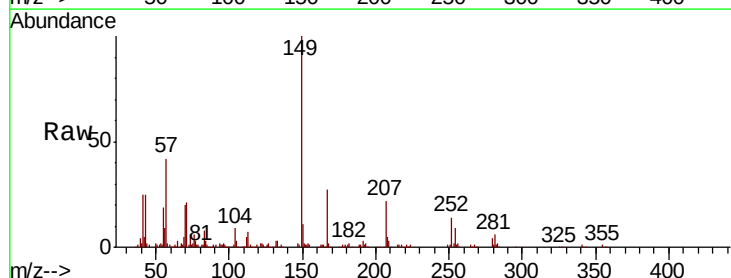
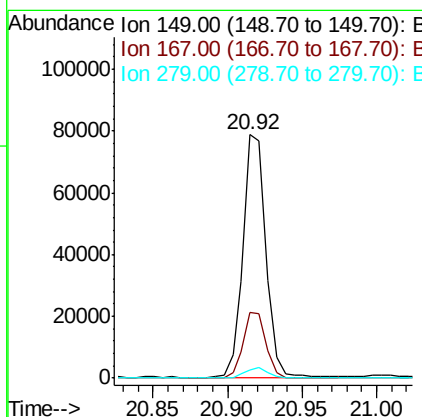
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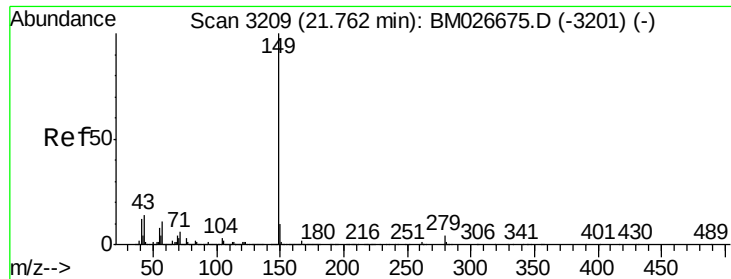
mohammad
 7/9/2020 10:56:41 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.881 ng
 RT: 20.92 min Scan# 3065
 Delta R.T. -0.01 min
 Lab File: BM026688.D
 Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.9	32.9
279	3.6	3.7	5.5#





#85

Di-n-octyl phthalate

Concen: 3.774 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026688.D

Acq: 07 Jul 2020 22:07

Instrument :

BNA_M

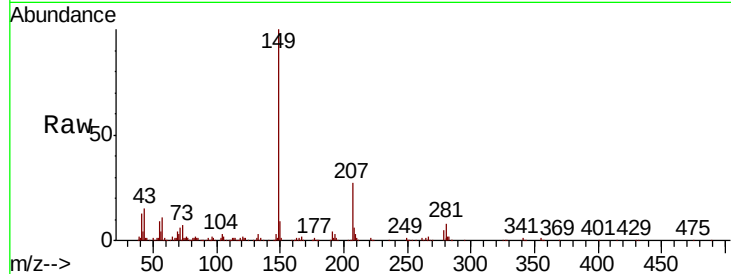
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

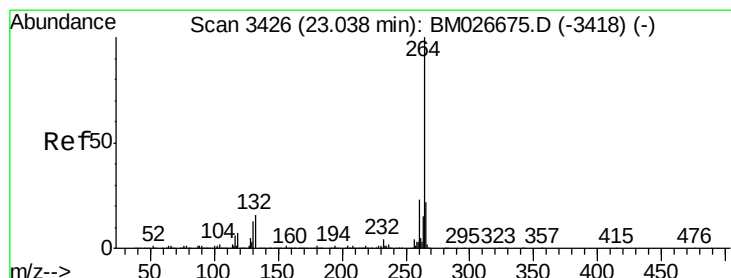
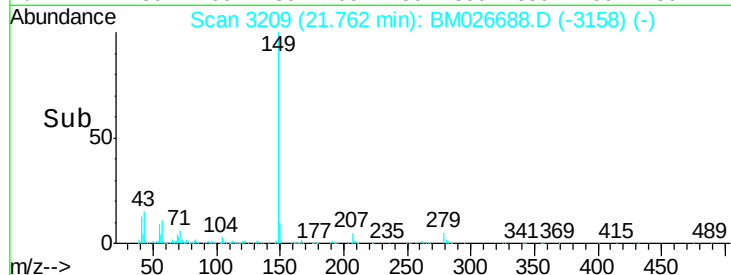
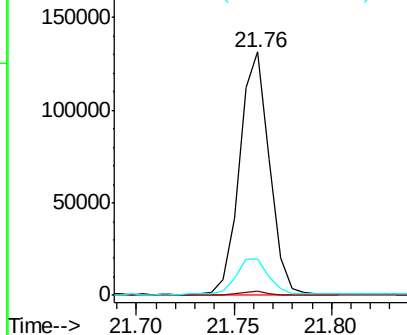
Tot Ion:	149	Resp:	138242
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	16.5	11.2	16.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM



#86

Perylene-d12

Concen: 20.000 ng

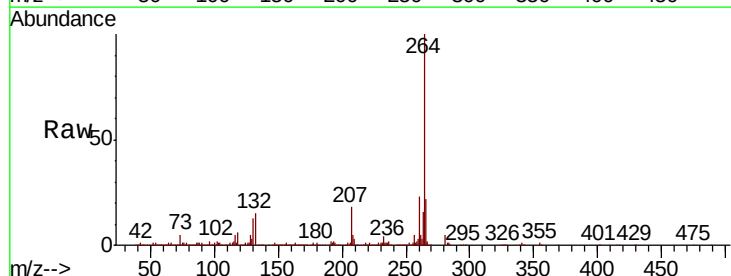
RT: 23.04 min Scan# 3426

Delta R.T. 0.00 min

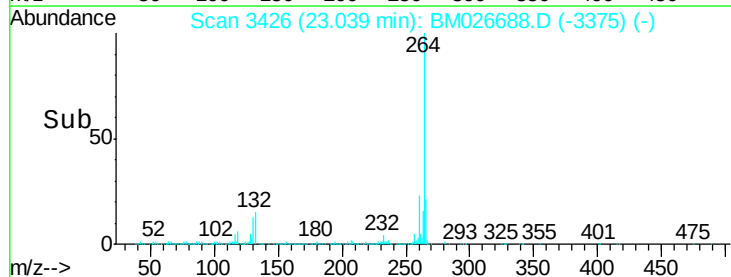
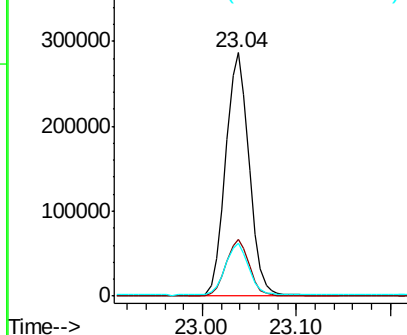
Lab File: BM026688.D

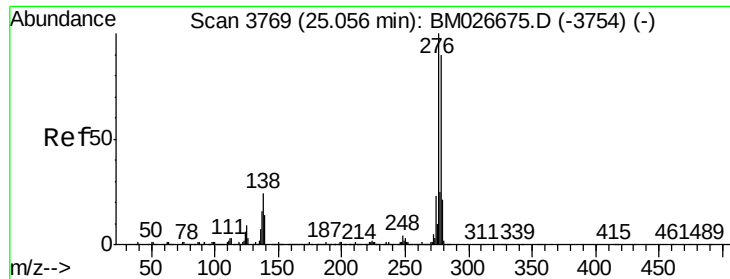
Acq: 07 Jul 2020 22:07

Tgt Ion:	264	Resp:	499692
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.2	27.2
265	21.7	17.6	26.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





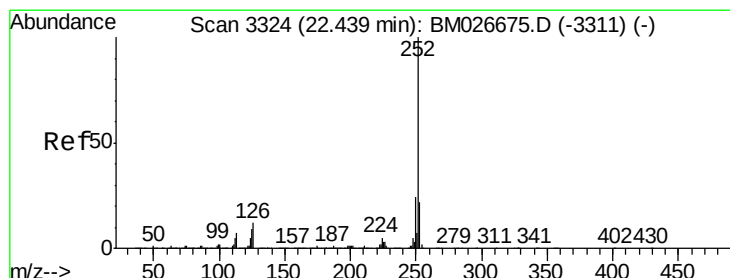
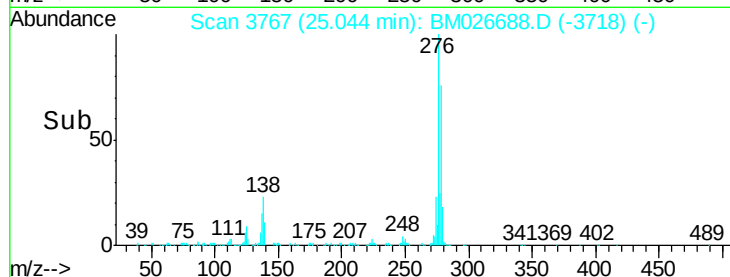
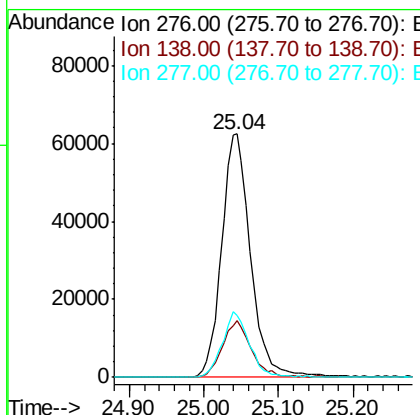
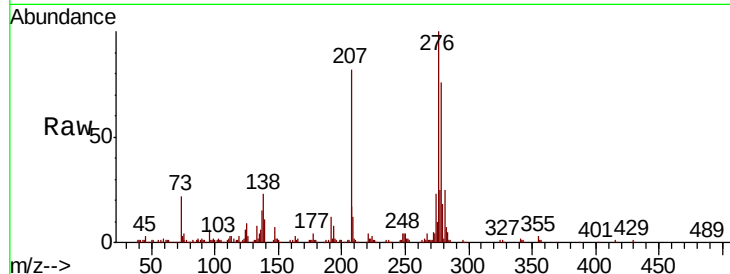
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.729 ng
RT: 25.04 min Scan# 3767
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.4	27.6
277	25.1	20.0	30.0

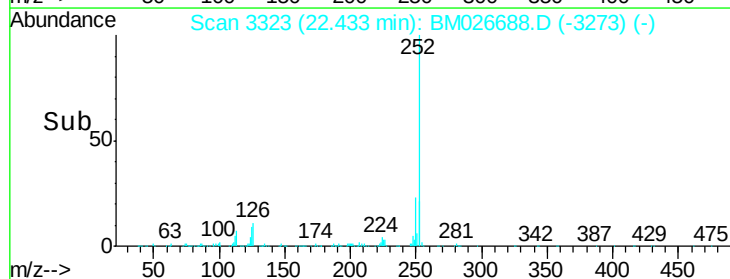
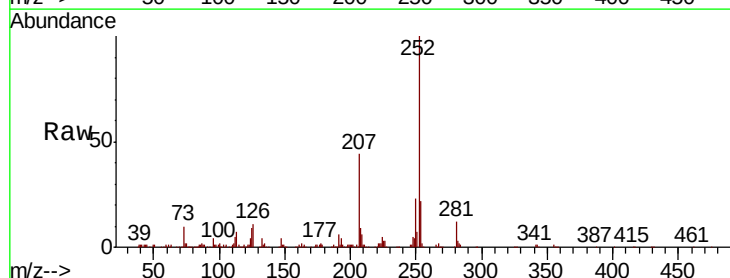
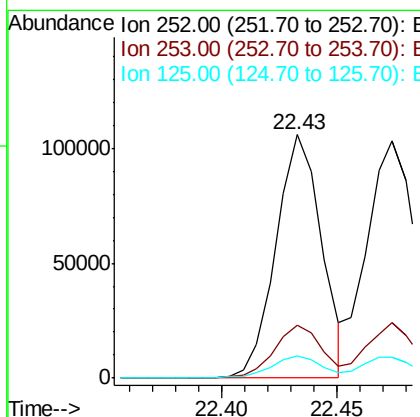
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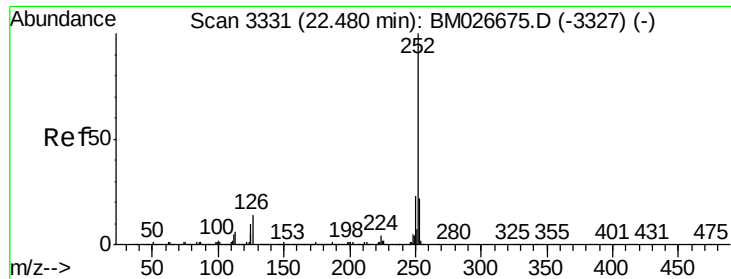
mohammad
7/9/2020 10:56:41 AM



#88
Benzo(b)fluoranthene
Concen: 4.398 ng
RT: 22.43 min Scan# 3323
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.0	7.5	11.3





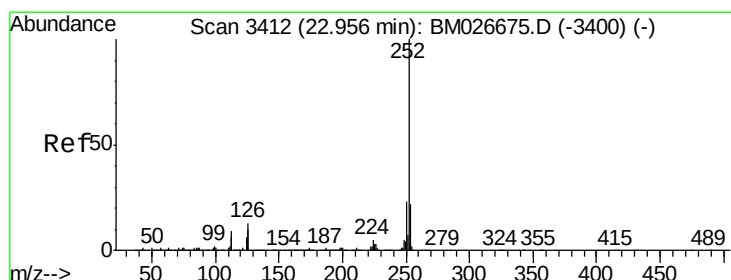
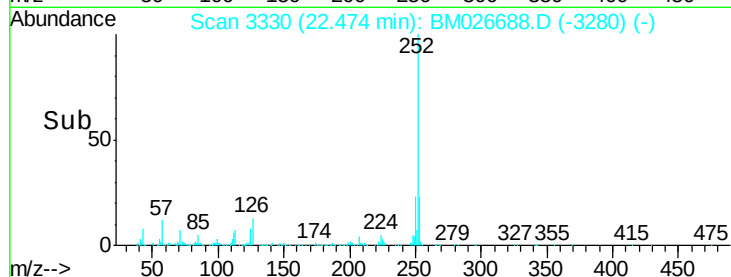
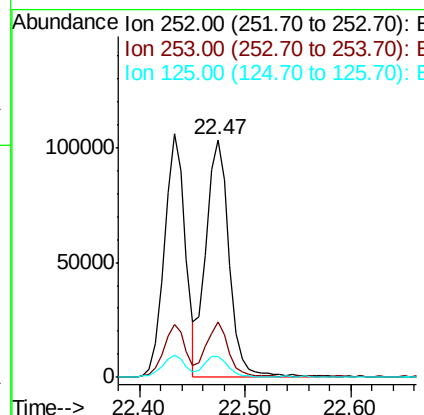
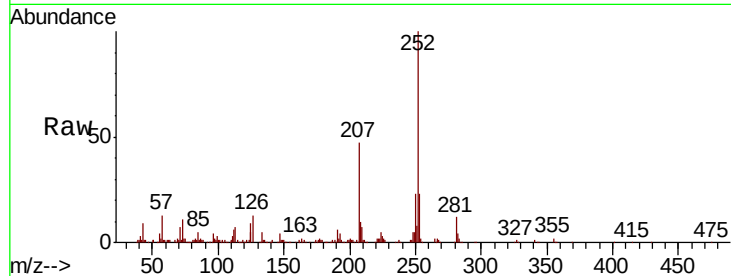
#89
Benzo(k)fluoranthene
Concen: 4.878 ng
RT: 22.47 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	157552		
253	23.1	17.5	26.3	
125	8.7	7.8	11.8	

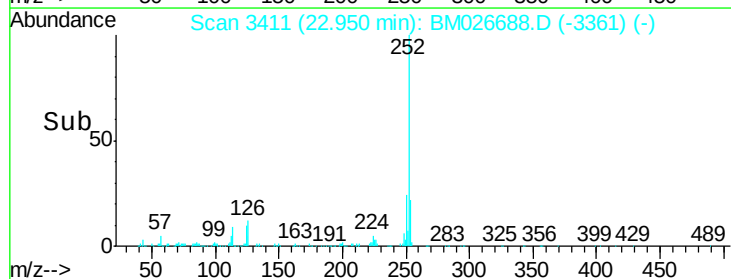
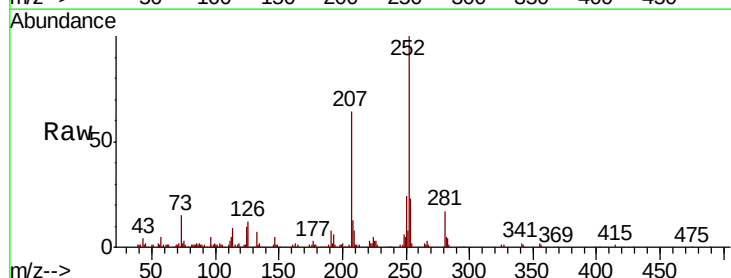
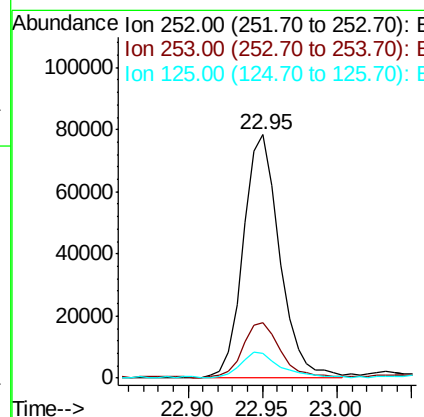
Manual Integrations
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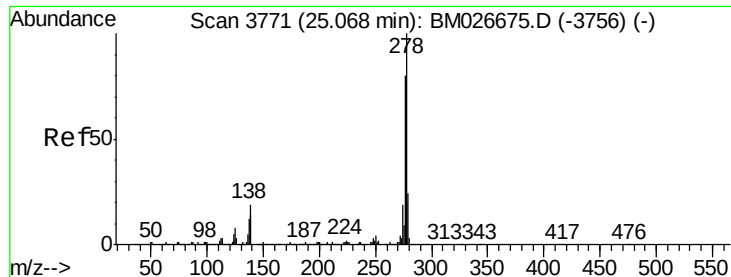
mohammad
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#90
Benzo(a)pyrene
Concen: 4.311 ng
RT: 22.95 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	131765		
253	22.5	17.4	26.2	
125	10.0	8.2	12.4	





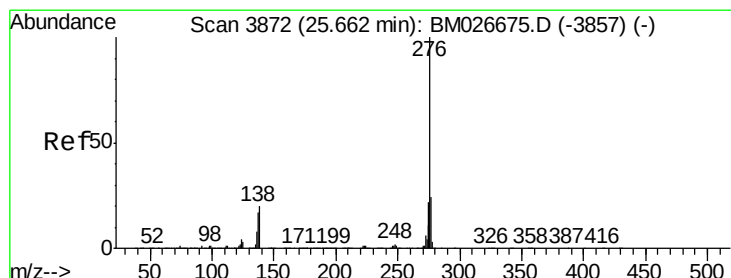
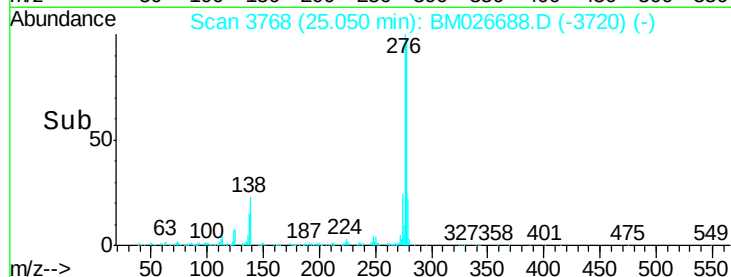
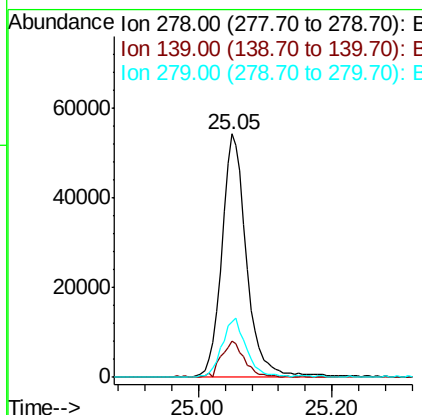
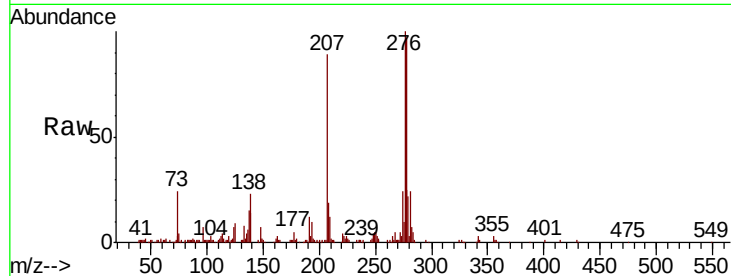
#91
Dibenzo(a,h)anthracene
Concen: 4.709 ng
RT: 25.05 min Scan# 3768
Delta R.T. -0.02 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.2	16.8
279	22.9	19.0	28.4

Manual Integrations
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7/9/2020 10:56:41 AM



#92
Benzo(g,h,i)perylene
Concen: 5.059 ng
RT: 25.65 min Scan# 3870
Delta R.T. -0.01 min
Lab File: BM026688.D
Acq: 07 Jul 2020 22:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	20.6	15.8	23.8

