

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070920\
 Data File : BM026702.D
 Acq On : 08 Jul 2020 11:54
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/9/2020 10:59:42 AM

Quant Time: Jul 08 12:38:17 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 12:03:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	57043	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	265309	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	188631	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	438190	20.00	ng	0.00
76) Chrysene-d12	20.97	240	542512	20.00	ng	0.00
86) Perylene-d12	23.03	264	572731	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.96	112	323216	94.97	ng	0.00
7) Phenol-d6	6.53	99	501143	92.42	ng	0.00
23) Nitrobenzene-d5	8.47	82	459014	73.81	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	271613	98.85	ng	0.00
45) 2-Fluorobiphenyl	12.59	172	1044904	73.65	ng	0.00
79) Terphenyl-d14	19.41	244	1582461	57.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.95	88	13150	8.042	ng	97
3) Pyridine	3.36	79	25580m	5.469	ng	
4) n-Nitrosodimethylamine	3.28	42	17737	6.336	ng	88
6) Aniline	6.68	93	46249	6.949	ng	94
8) 2-Chlorophenol	6.90	128	27370	6.751	ng	94
9) Benzaldehyde	6.49	77	30203	10.036	ng	96
10) Phenol	6.56	94	36601	6.830	ng	99
11) bis(2-Chloroethyl)ether	6.78	93	29403	6.562	ng	90
12) 1,3-Dichlorobenzene	7.22	146	29666	6.732	ng	95
13) 1,4-Dichlorobenzene	7.36	146	30912	6.892	ng	94
14) 1,2-Dichlorobenzene	7.67	146	30255	6.771	ng	98
15) Benzyl Alcohol	7.59	79	27247	5.873	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.86	45	63012	6.813	ng	99
17) 2-Methylphenol	7.79	107	24065	5.909	ng	95
18) Hexachloroethane	8.37	117	11840	6.646	ng	92
19) n-Nitroso-di-n-propylamine	8.14	70	29631	6.568	ng	96
20) 3+4-Methylphenols	8.12	107	31580	5.640	ng	96
22) Acetophenone	8.15	105	50405	6.686	ng	# 93
24) Nitrobenzene	8.52	77	44442	6.793	ng	97
25) Isophorone	9.04	82	74504	6.248	ng	98
26) 2-Nitrophenol	9.22	139	13014	5.390	ng	# 89
27) 2,4-Dimethylphenol	9.30	122	27155	6.916	ng	95
28) bis(2-Chloroethoxy)methane	9.53	93	43764	6.643	ng	97
29) 2,4-Dichlorophenol	9.76	162	25758	5.957	ng	96
30) 1,2,4-Trichlorobenzene	9.95	180	31378	6.505	ng	96
31) Naphthalene	10.13	128	99283	6.728	ng	99
32) Benzoic acid	9.41	122	6795m	2.280	ng	
33) 4-Chloroaniline	10.27	127	38816	6.013	ng	97
34) Hexachlorobutadiene	10.42	225	20024	6.268	ng	98
35) Caprolactam	11.05	113	8570	5.595	ng	91
36) 4-Chloro-3-methylphenol	11.40	107	33200	6.075	ng	99
37) 2-Methylnaphthalene	11.76	142	72692	6.650	ng	96
38) 1-Methylnaphthalene	11.98	142	70340m	6.717	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	41013	6.726	ng	99

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Manual Integrations
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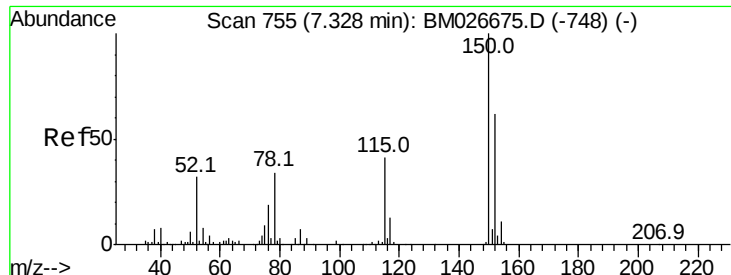
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	12405	4.263	nq	97
43) 2,4,6-Trichlorophenol	12.40	196	22363	5.598	nq	95
44) 2,4,5-Trichlorophenol	12.48	196	24918	5.309	nq	96
46) 1,1'-Biphenyl	12.80	154	102857	6.903	nq	99
47) 2-Chloronaphthalene	12.84	162	75649	6.285	nq	98
48) 2-Nitroaniline	13.07	65	26540	5.358	nq	94
49) Acenaphthylene	13.70	152	121610	6.320	nq	99
50) Dimethylphthalate	13.46	163	102561	6.357	nq	98
51) 2,6-Dinitrotoluene	13.58	165	20524	5.940	nq	86
52) Acenaphthene	14.05	154	73837	6.314	nq	94
53) 3-Nitroaniline	13.92	138	16994	4.728	nq	98
54) 2,4-Dinitrophenol	14.15	184	5410	2.675	nq	93
55) Dibenzofuran	14.39	168	124782	6.508	nq	98
56) 4-Nitrophenol	14.27	139	11592	4.110	nq	97
57) 2,4-Dinitrotoluene	14.39	165	27283	5.471	nq	# 88
58) Fluorene	15.05	166	98814	6.224	nq	95
59) 2,3,4,6-Tetrachlorophenol	14.63	232	25339	6.181	nq	99
60) Diethylphthalate	14.85	149	108720	6.373	nq	97
61) 4-Chlorophenyl-phenylether	15.05	204	53347	6.202	nq	95
62) 4-Nitroaniline	15.09	138	17582m	4.687	nq	
63) Azobenzene	15.35	77	116391	6.211	nq	94
65) 4,6-Dinitro-2-methylphenol	15.17	198	12649	4.246	nq	88
66) n-Nitrosodiphenylamine	15.27	169	87613	6.292	nq	98
67) 4-Bromophenyl-phenylether	15.95	248	31895	5.848	nq	92
68) Hexachlorobenzene	16.06	284	36818	6.414	nq	99
69) Atrazine	16.25	200	31847	7.606	nq	99
70) Pentachlorophenol	16.42	266	16514	5.085	nq	91
71) Phenanthrene	16.79	178	166775	6.447	nq	98
72) Anthracene	16.88	178	163826	6.362	nq	99
73) Carbazole	17.16	167	145028	5.907	nq	99
74) Di-n-butylphthalate	17.74	149	179272	5.807	nq	98
75) Fluoranthene	18.82	202	203934	6.401	nq	99
77) Benzidine	19.03	184	77475	7.244	nq	97
78) Pyrene	19.19	202	213957	6.261	nq	99
80) Butylbenzylphthalate	20.13	149	82241	5.363	nq	97
81) Benzo(a)anthracene	20.95	228	234118	6.424	nq	98
82) 3,3'-Dichlorobenzidine	20.90	252	75683	6.543	nq	# 97
83) Chrysene	21.00	228	225878	6.368	nq	98
84) Bis(2-ethylhexyl)phthalate	20.92	149	132311	5.385	nq	99
85) Di-n-octyl phthalate	21.76	149	225370	5.367	nq	96
87) Indeno(1,2,3-cd)pyrene	25.04	276	270573	6.636	nq	99
88) Benzo(b)fluoranthene	22.43	252	235135	6.231	nq	99
89) Benzo(k)fluoranthene	22.47	252	241856	6.534	nq	98
90) Benzo(a)pyrene	22.94	252	211524	6.038	nq	99
91) Dibenzo(a,h)anthracene	25.05	278	230932	6.709	nq	99
92) Benzo(g,h,i)perylene	25.64	276	225430	7.108	nq	100

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



#1

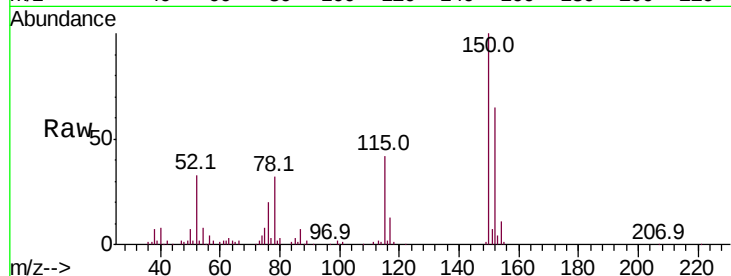
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	128.1	192.1
115	64.7	52.2	78.4

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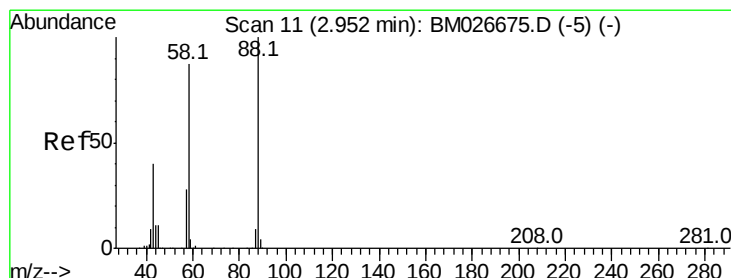
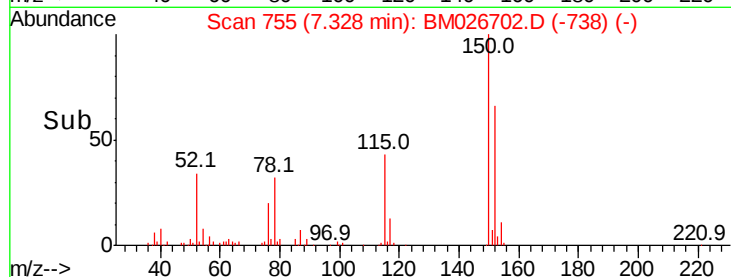
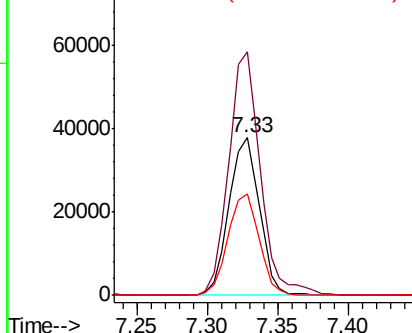


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

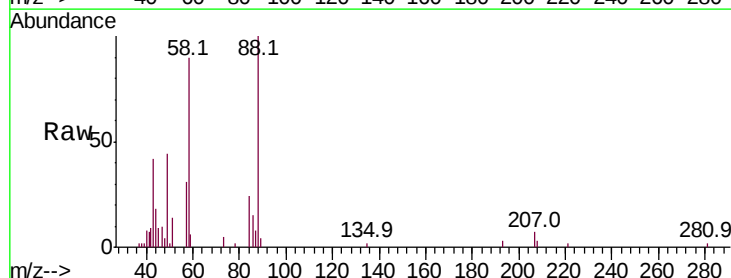
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 8.042 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	93.0	73.2	109.8
43	47.6	34.3	51.5

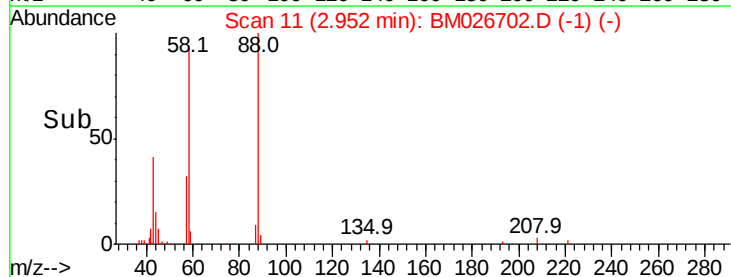
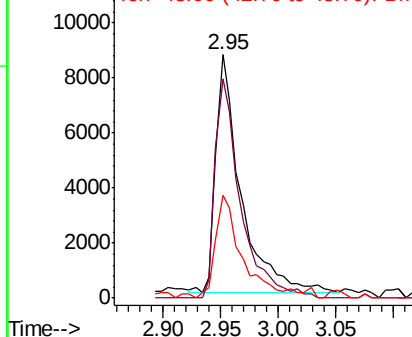


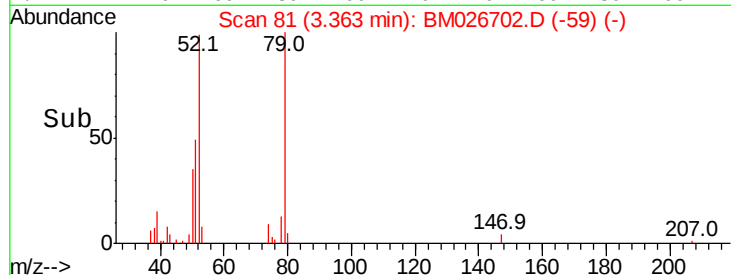
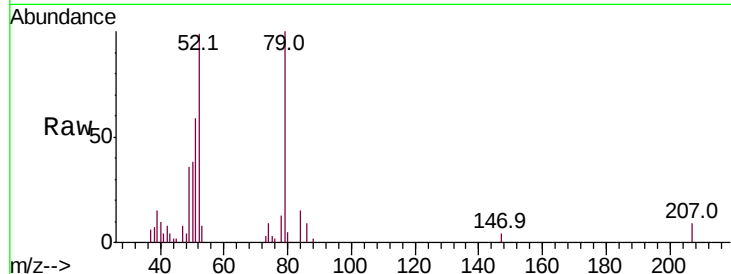
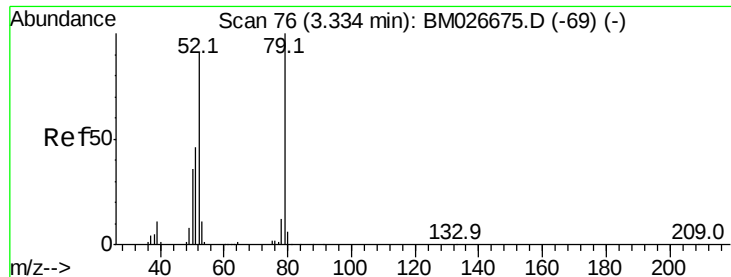
Abundance

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: 5.469 ng m
 RT: 3.36 min Scan# 81
 Delta R.T. 0.03 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

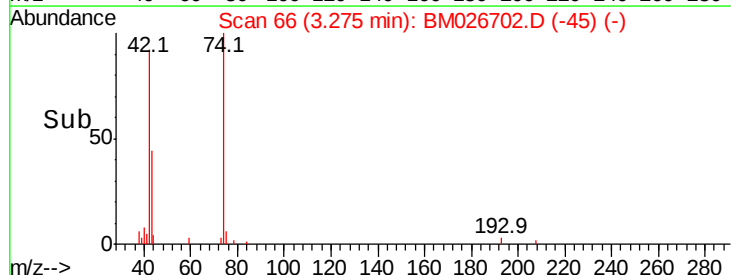
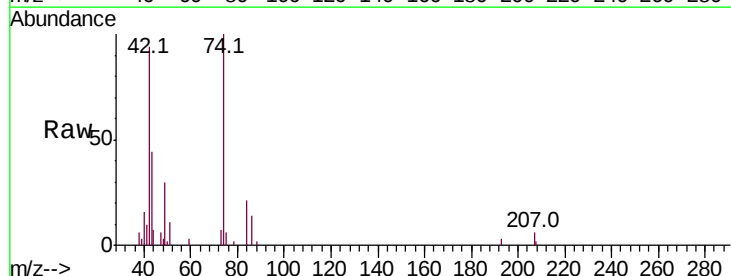
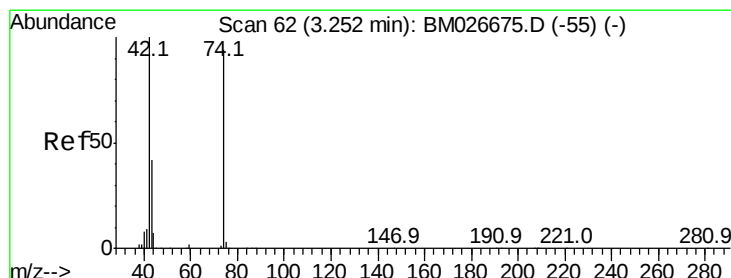
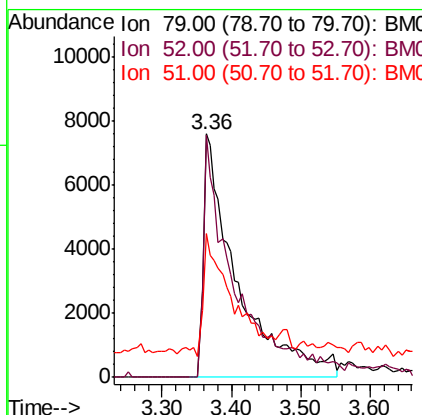
Tot Ion:	79	Resp:	25580
Ion	Ratio	Lower	Upper
79	100		
52	99.4	72.9	109.3
51	59.0	37.6	56.4#

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

Manual Integrations
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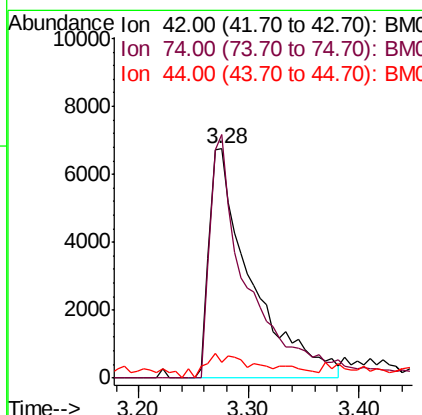
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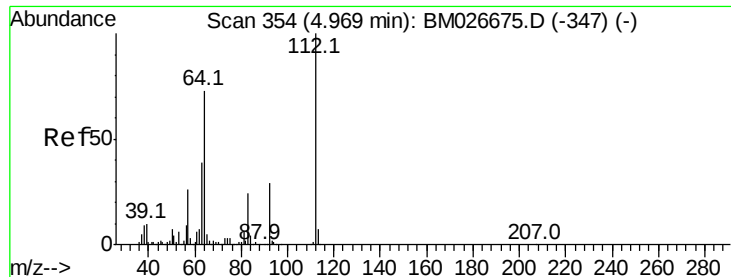
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#4
 n-Nitrosodimethylamine
 Concen: 6.336 ng
 RT: 3.28 min Scan# 66
 Delta R.T. 0.02 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

Tgt Ion:	42	Resp:	17737
Ion	Ratio	Lower	Upper
42	100		
74	106.2	75.1	112.7
44	6.9	5.7	8.5





#5

2-Fluorophenol

Concen: 94.970 ng

RT: 4.96 min Scan# 353

Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

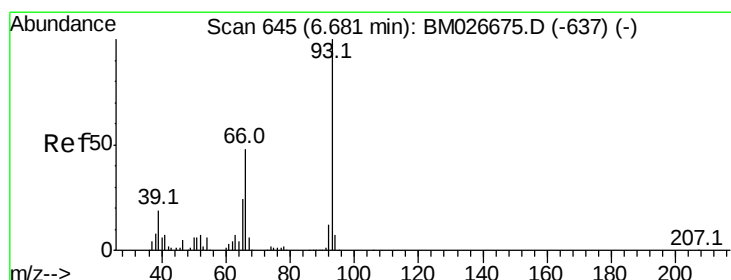
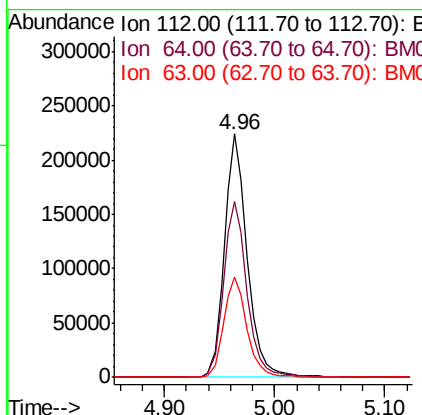
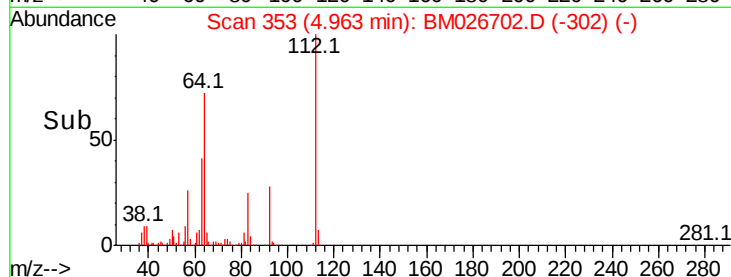
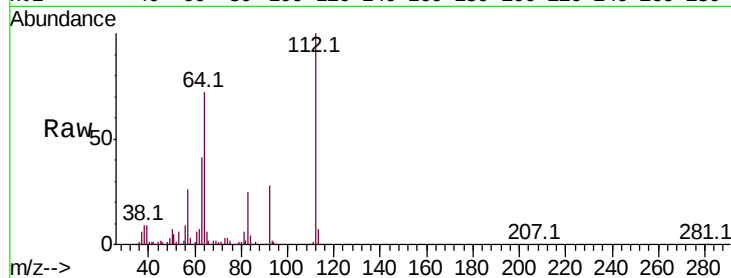
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	112	Resp:	323216
Ion Ratio	Lower	Upper	
112	100		
64	72.3	58.4	87.6
63	41.0	31.5	47.3

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#6

Aniline

Concen: 6.949 ng

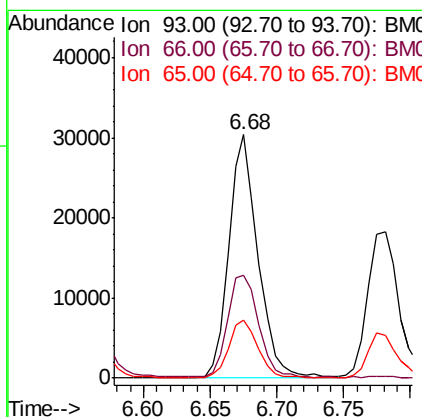
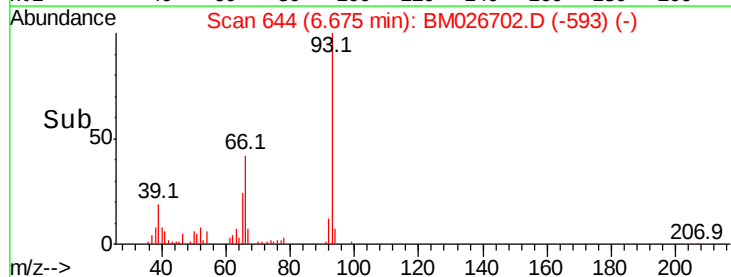
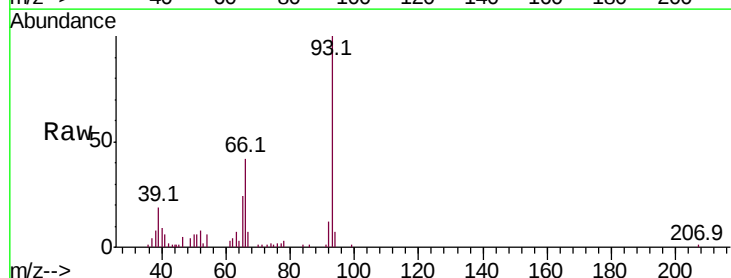
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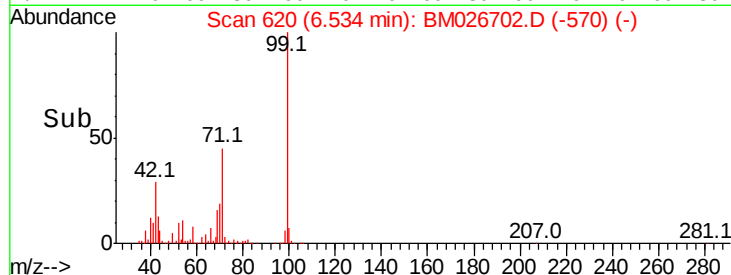
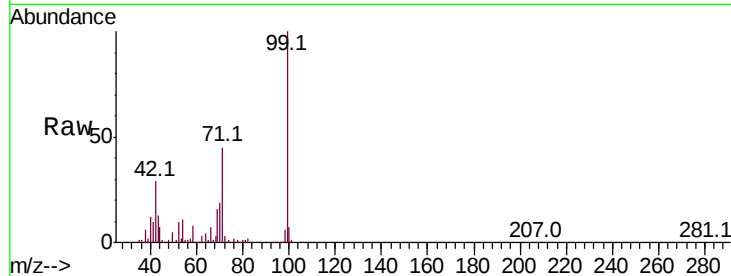
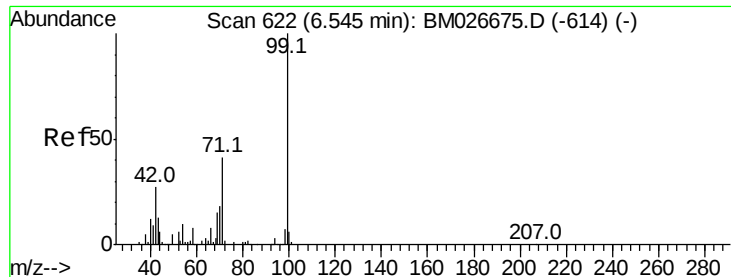
Delta R.T. 0.00 min

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Tgt Ion:	93	Resp:	46249
Ion Ratio	Lower	Upper	
93	100		
66	42.3	38.2	57.4
65	24.0	19.6	29.4





#7

Phenol-d6

Concen: 92.421 ng

RT: 6.53 min Scan# 620

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tot Ion:	99	Resp:	501143
Ion Ratio	Lower	Upper	
99	100		
42	28.6	21.7	32.5
71	44.7	33.2	49.8

Instrument :

BNA_M

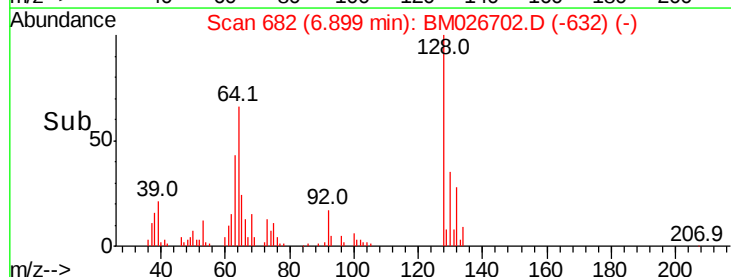
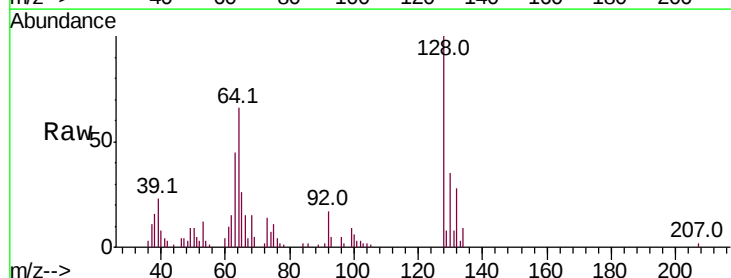
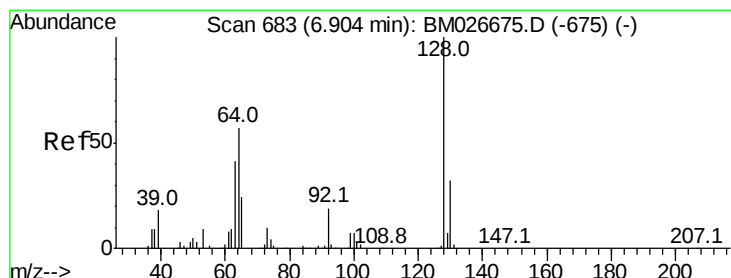
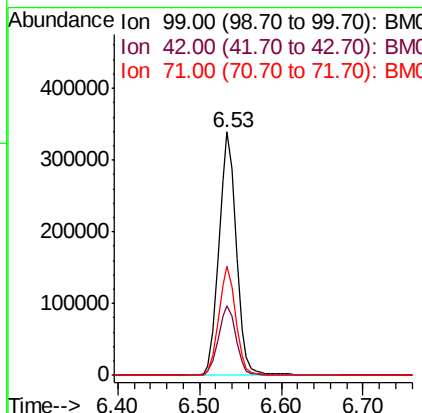
ClientSampleId :

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#8

2-Chlorophenol

Concen: 6.751 ng

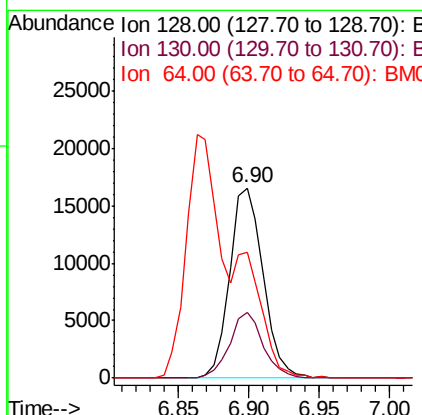
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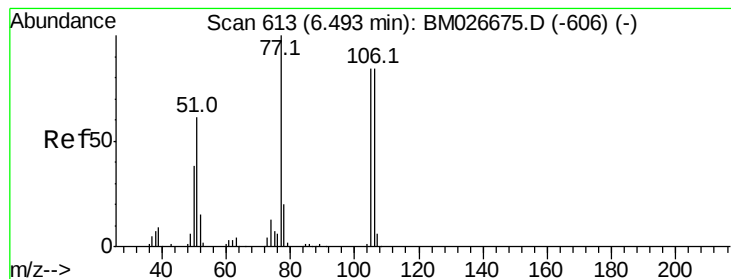
Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	128	Resp:	27370
Ion Ratio	Lower	Upper	
128	100		
130	34.8	12.2	52.2
64	66.2	41.4	81.4





#9

Benzaldehyde

Concen: 10.036 ng

RT: 6.49 min Scan# 613

Delta R.T. 0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

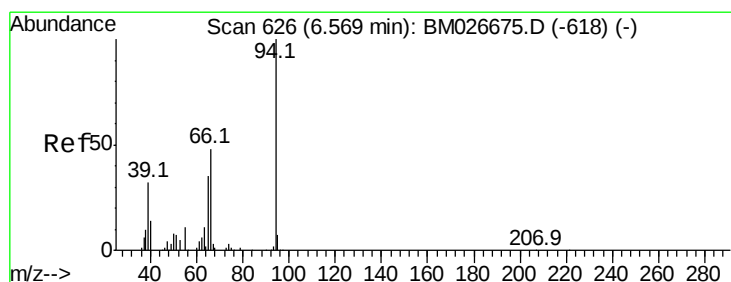
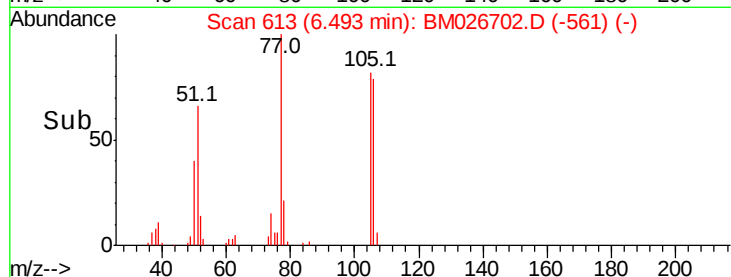
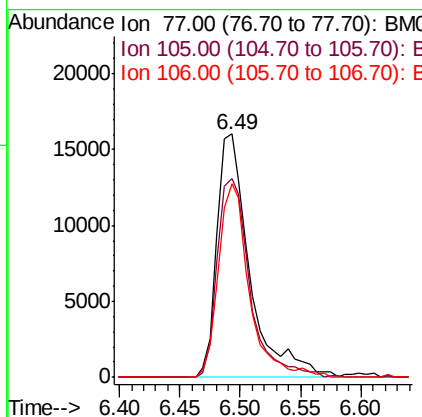
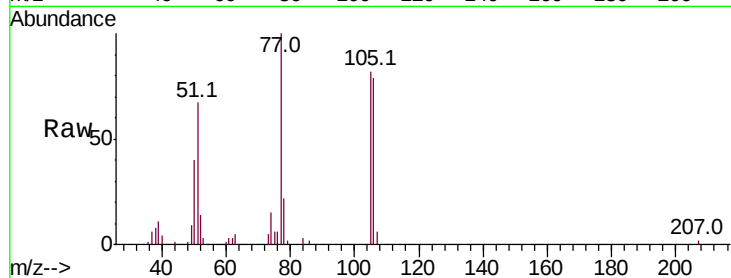
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	30203
Ion	Ratio	Lower	Upper
77	100		
105	81.6	64.4	104.4
106	79.5	64.3	104.3

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#10

Phenol

Concen: 6.830 ng

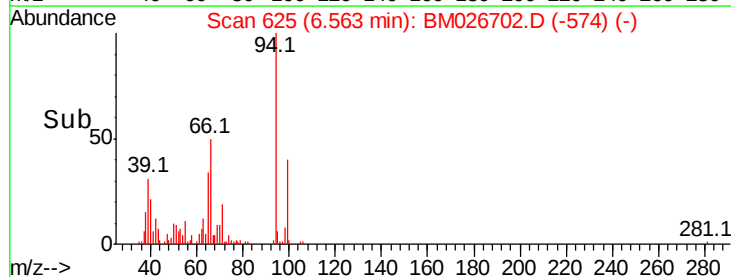
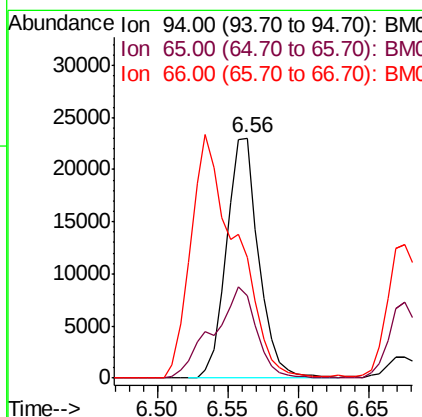
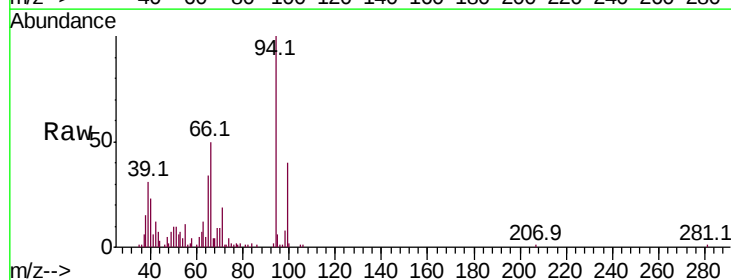
RT: 6.56 min Scan# 625

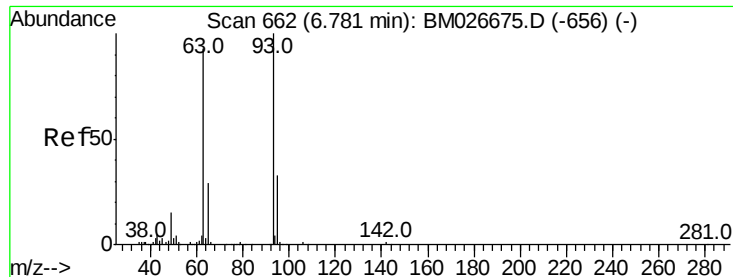
Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	94	Resp:	36601
Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.5	55.5
66	50.2	29.8	69.8





#11
bis(2-Chloroethyl)ether
Concen: 6.562 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

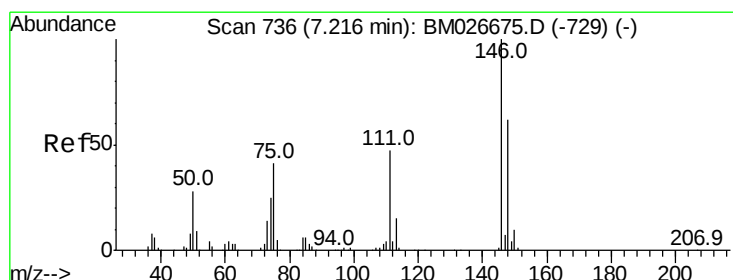
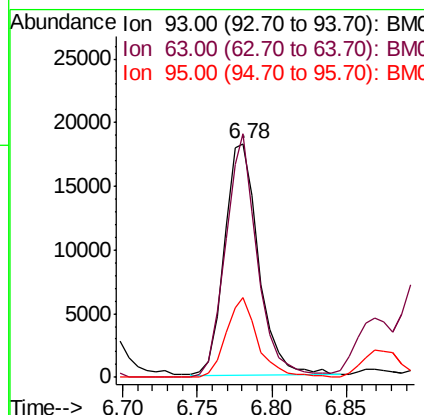
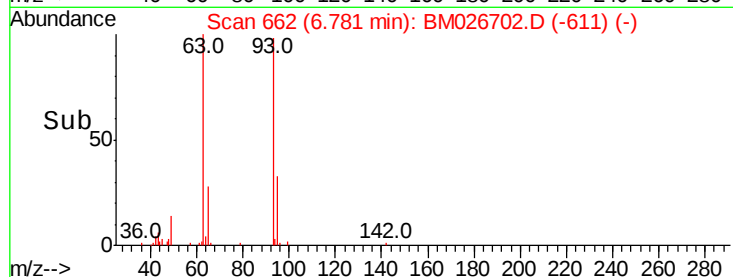
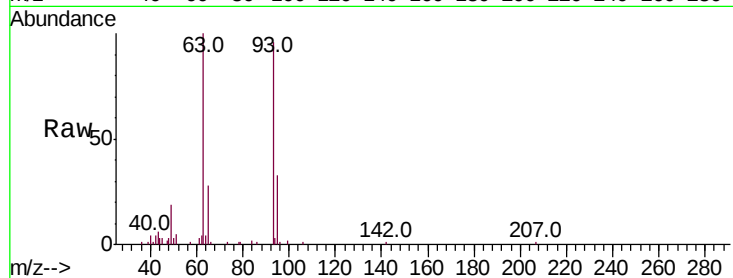
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	104.3	72.6	112.6
95	34.1	12.3	52.3

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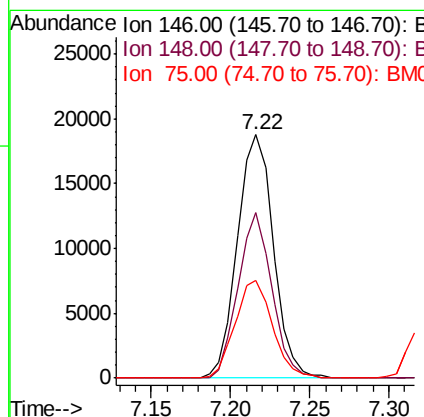
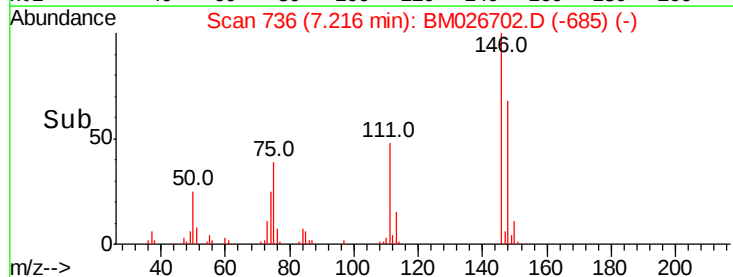
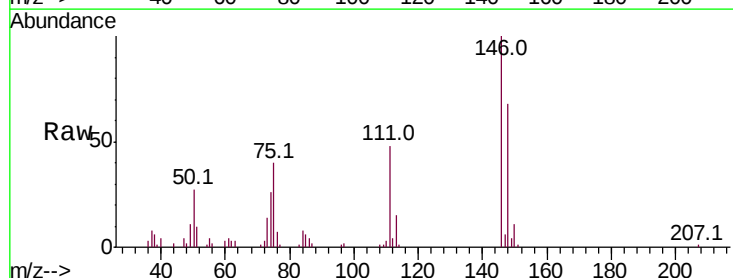
mohammad

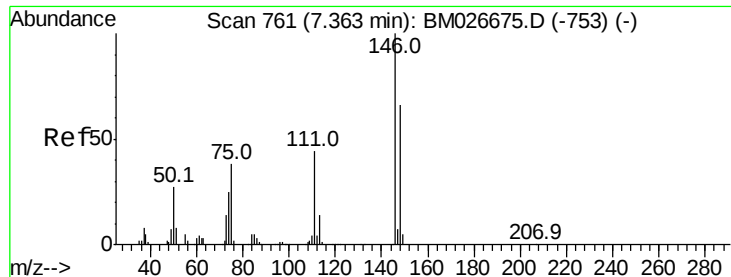
7/9/2020 10:59:42 AM



#12
1,3-Dichlorobenzene
Concen: 6.732 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.8	49.7	74.5
75	40.2	32.7	49.1





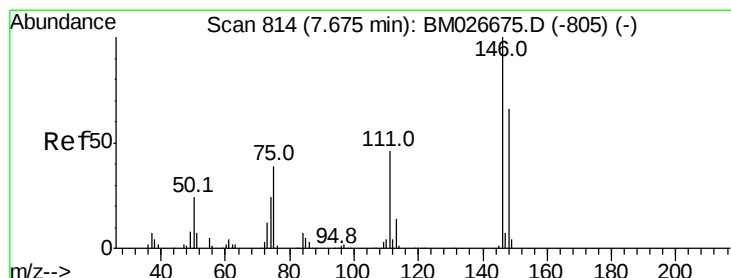
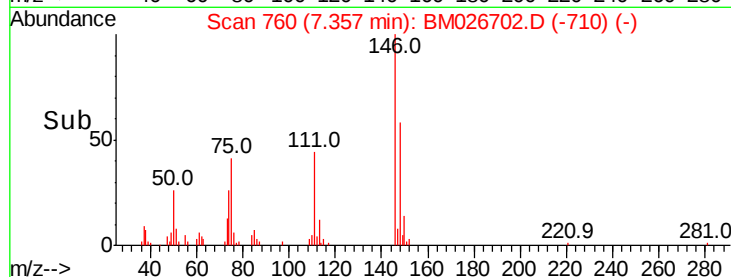
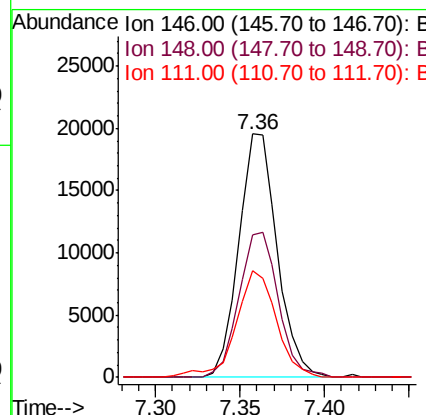
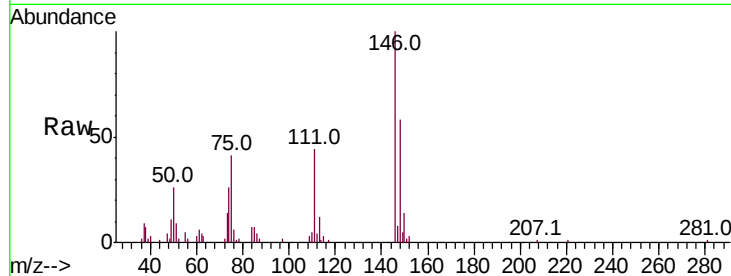
#13
 1,4-Dichlorobenzene
 Concen: 6.892 ng
 RT: 7.36 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	58.3	52.4	78.6
111	43.8	35.6	53.4

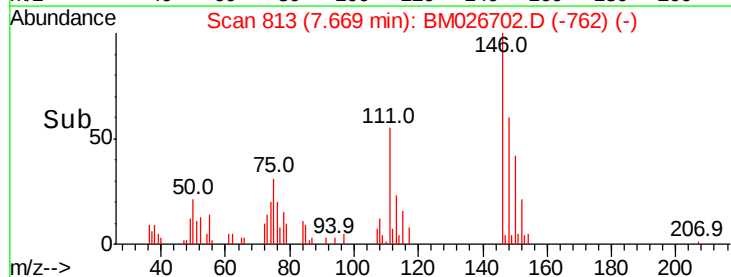
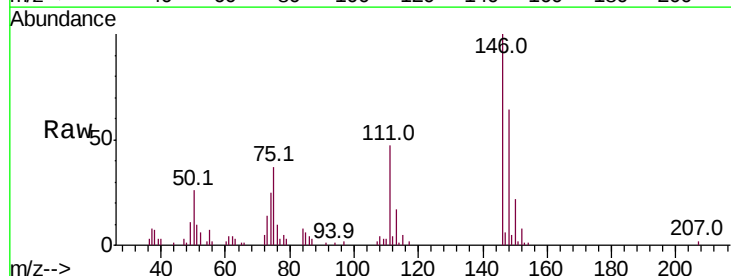
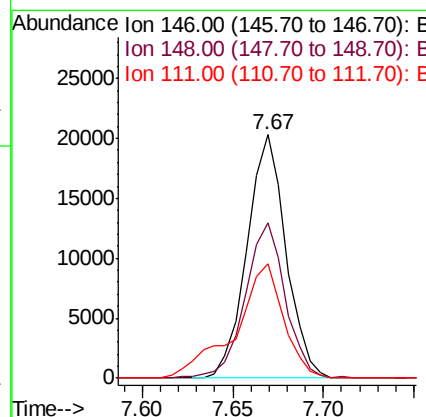
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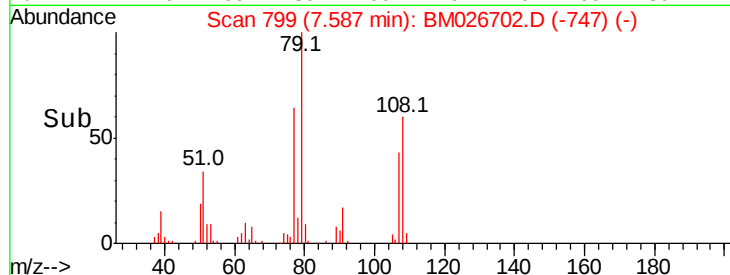
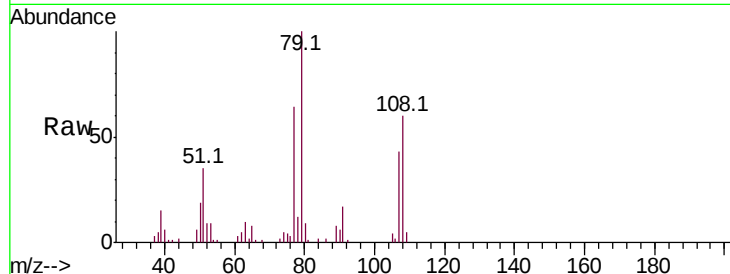
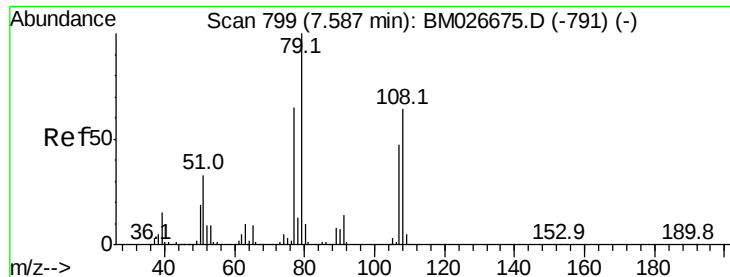
mohammad
 7/9/2020 10:59:42 AM



#14
 1,2-Dichlorobenzene
 Concen: 6.771 ng
 RT: 7.67 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.6	78.8
111	47.0	37.2	55.8





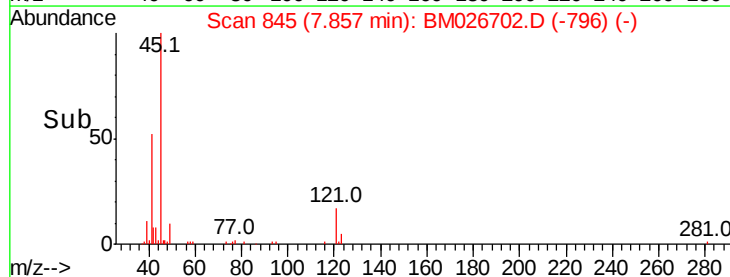
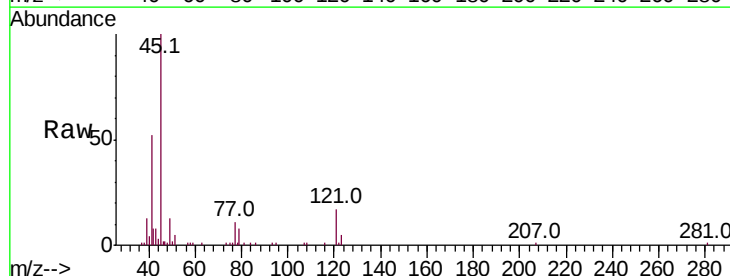
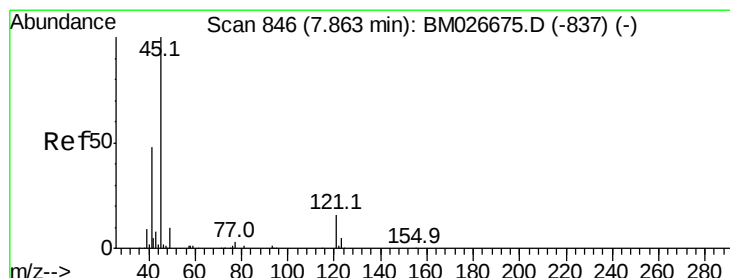
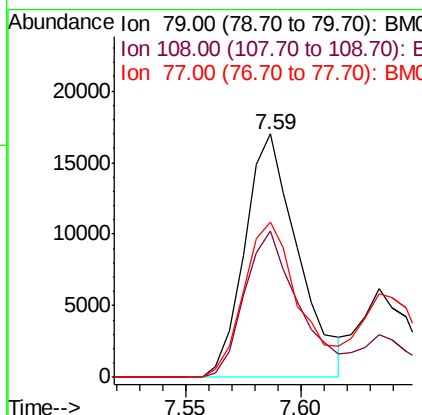
#15
Benzyl Alcohol
Concen: 5.873 ng
RT: 7.59 min Scan# 799
Delta R.T. 0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tot Ion:	79	Resp:	27247
Ion Ratio	Lower	Upper	
79	100		
108	60.2	51.0	76.4
77	63.9	52.1	78.1

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

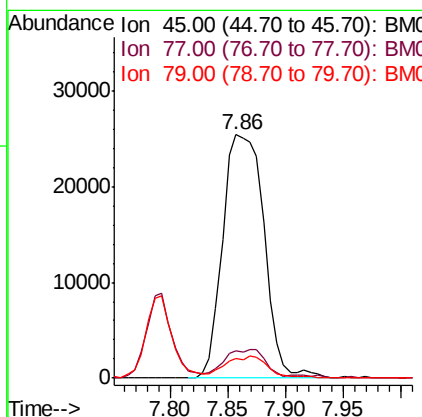
Manual Integrations
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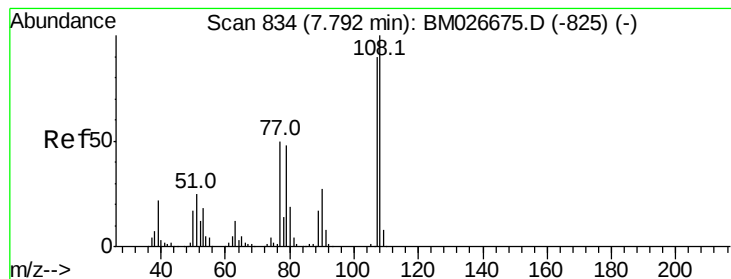
mohammad
7/9/2020 10:59:42 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.813 ng
RT: 7.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion:	45	Resp:	63012
Ion Ratio	Lower	Upper	
45	100		
77	11.0	0.0	31.4
79	7.9	0.0	28.4





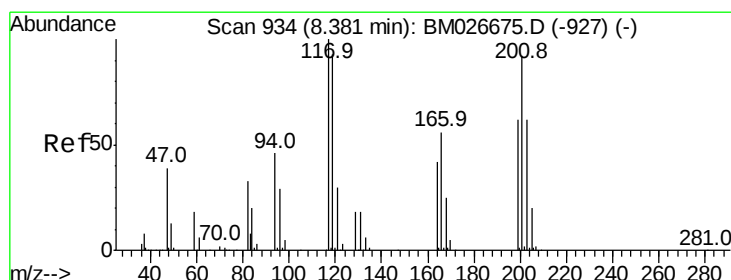
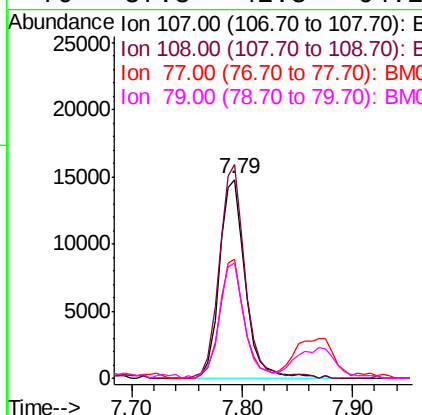
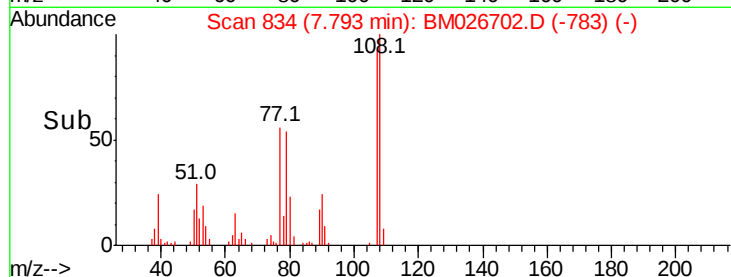
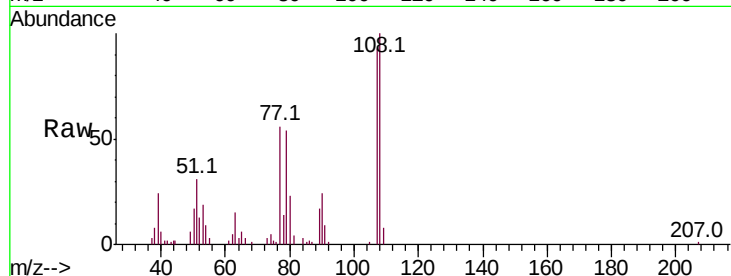
#17
2-Methylphenol
Concen: 5.909 ng
RT: 7.79 min Scan# 834
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.4	89.4	134.0	
77	60.0	45.2	67.8	
79	57.8	42.8	64.2	

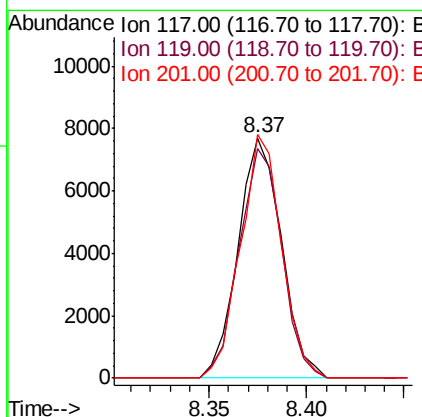
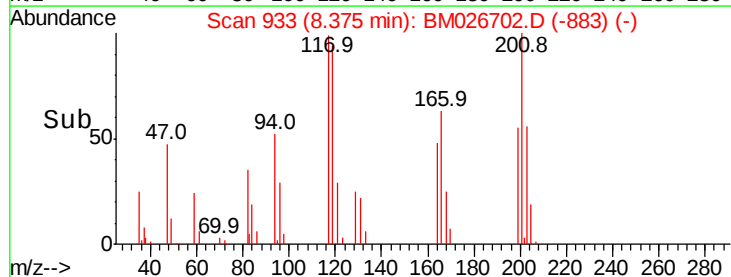
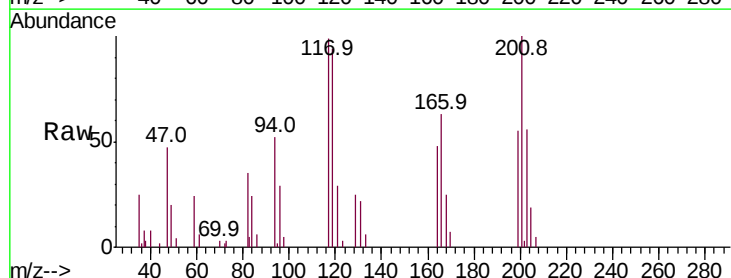
Manual Integrations
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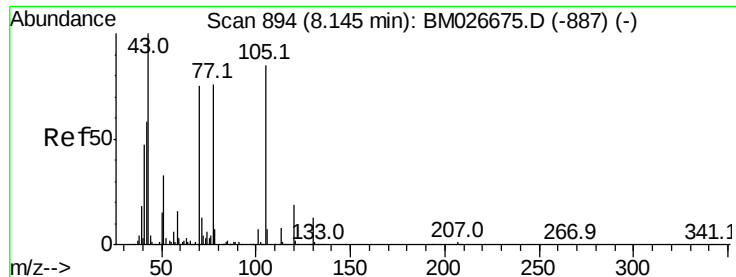
mohammad
7/9/2020 10:59:42 AM



#18
Hexachloroethane
Concen: 6.646 ng
RT: 8.37 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.3	74.2	111.2	
201	104.2	73.6	110.4	





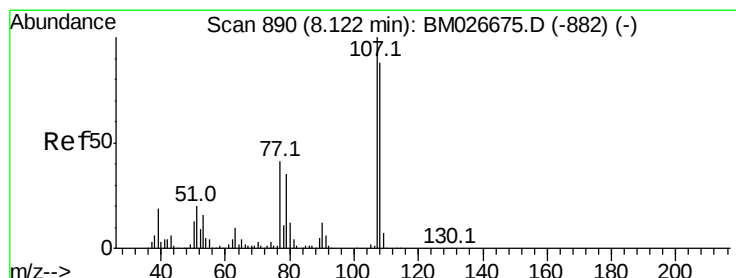
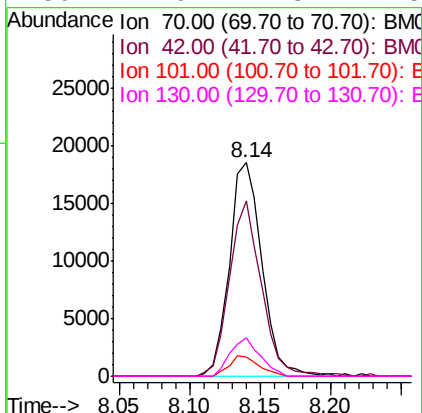
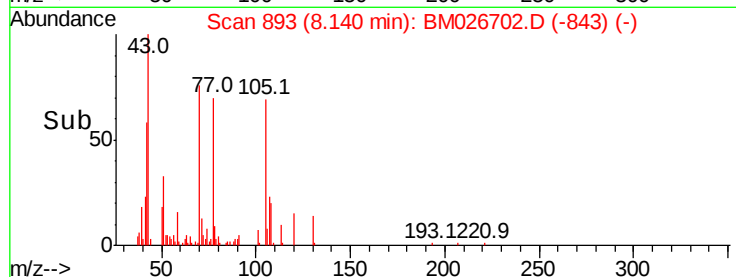
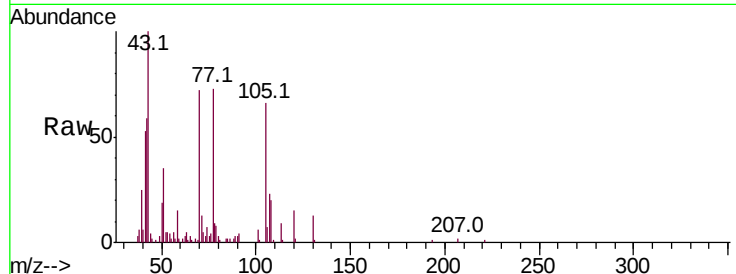
#19
n-Nitroso-di-n-propylamine
Concen: 6.568 ng
RT: 8.14 min Scan# 893
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	82.2	62.3	93.5
101	9.0	7.1	10.7
130	17.9	14.3	21.5

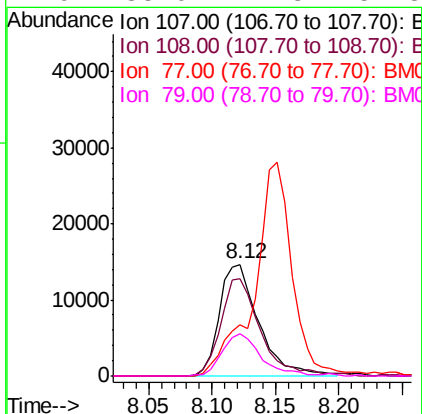
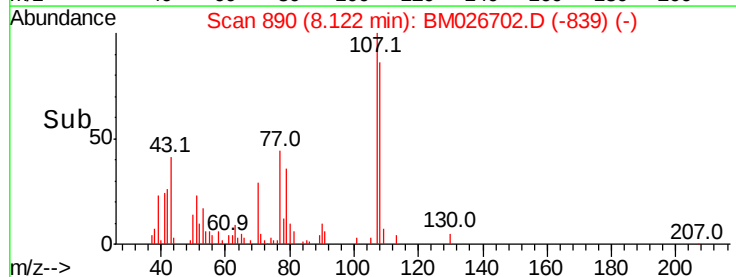
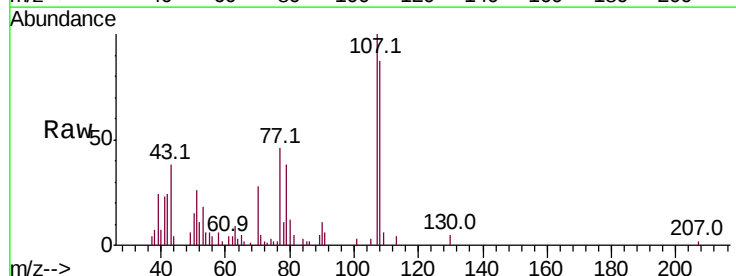
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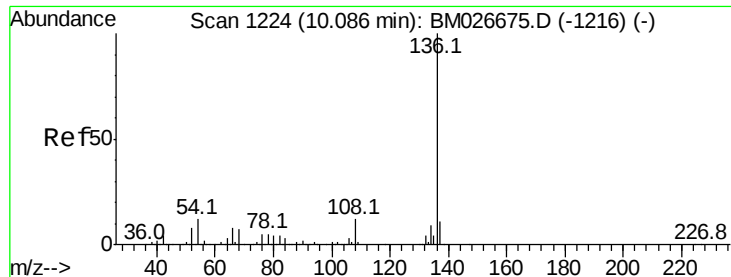
mohammad
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#20
3+4-Methylphenols
Concen: 5.640 ng
RT: 8.12 min Scan# 890
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.5	68.5	108.5
77	45.5	20.8	60.8
79	38.0	14.8	54.8





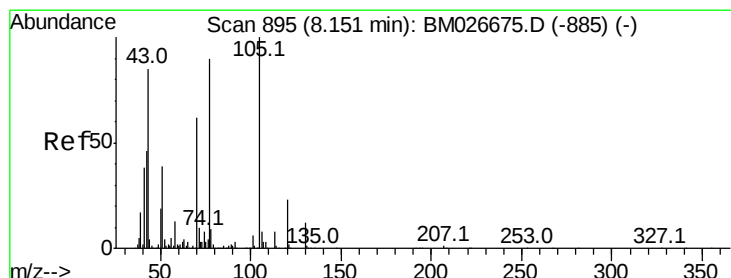
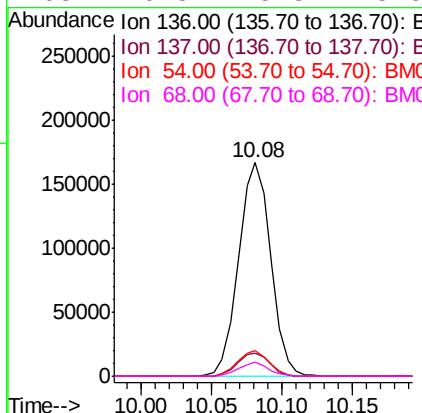
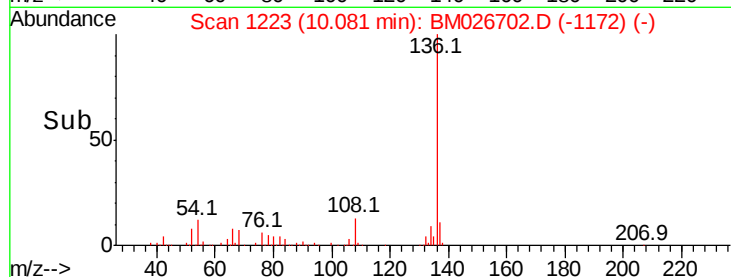
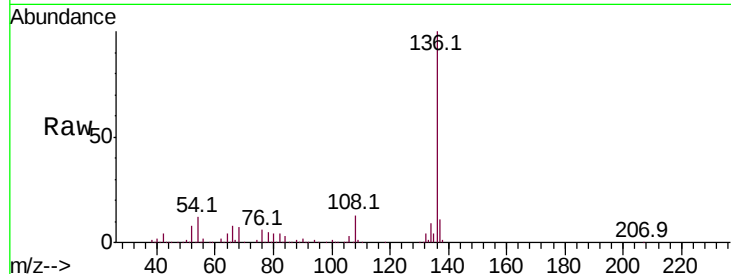
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	265309		
137	11.0		8.6	12.8
54	12.2		9.8	14.6
68	6.8		5.8	8.6

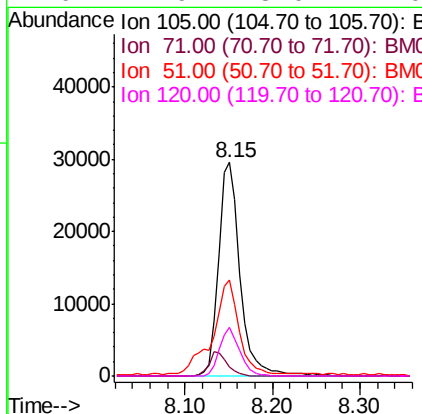
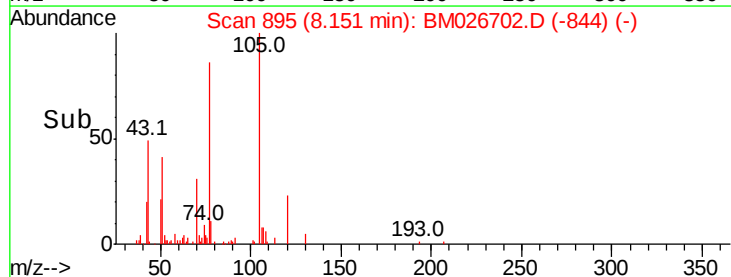
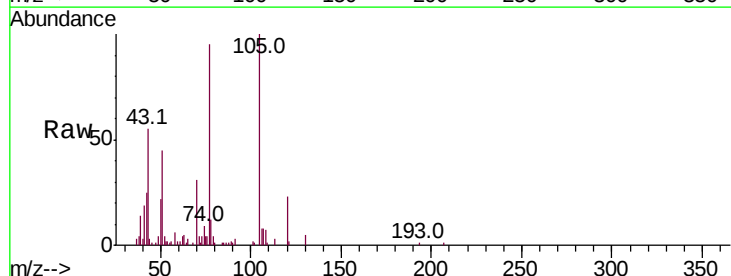
Manual Integrations
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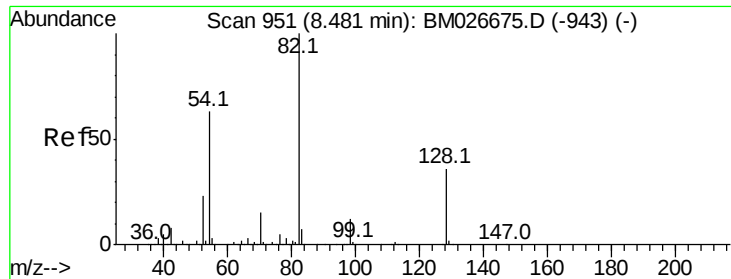
mohammad
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#22
Acetophenone
Concen: 6.686 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	50405		
71	4.0		8.1	12.1#
51	45.2		31.9	47.9
120	22.9		18.0	27.0





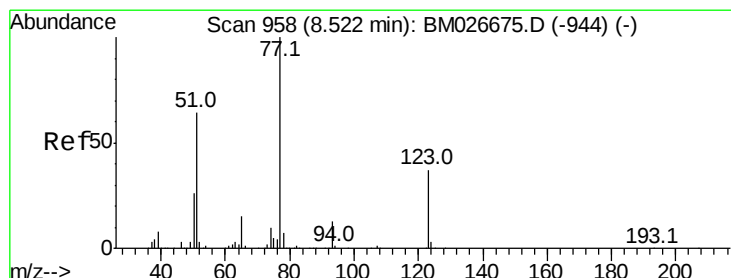
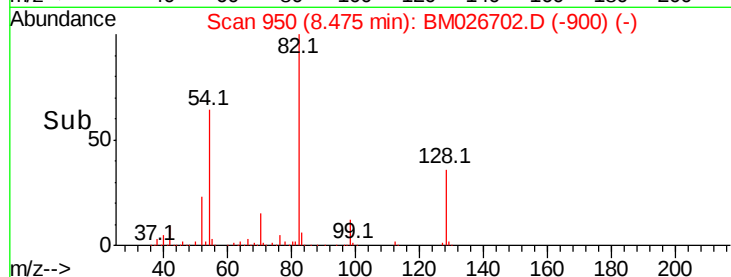
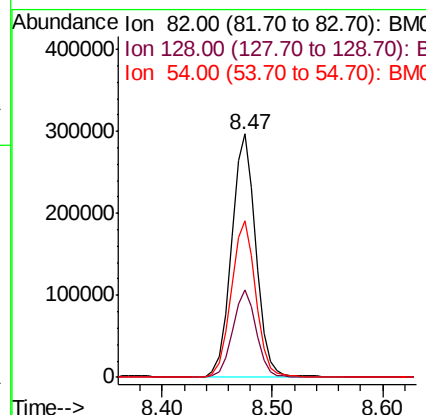
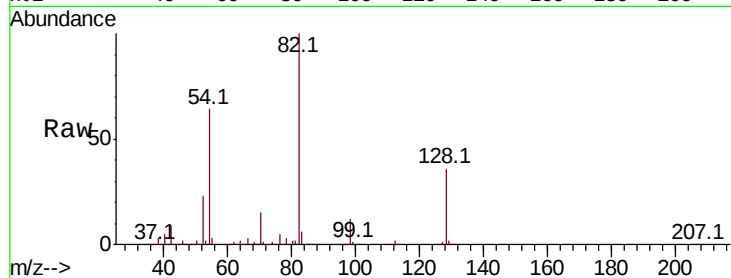
#23
Nitrobenzene-d5
Concen: 73.812 ng
RT: 8.47 min Scan# 950
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.1	43.7
54	64.1	50.2	75.4

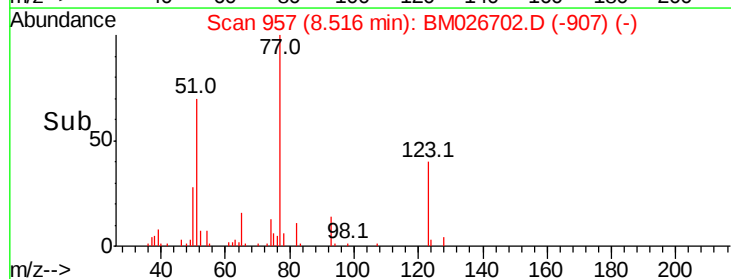
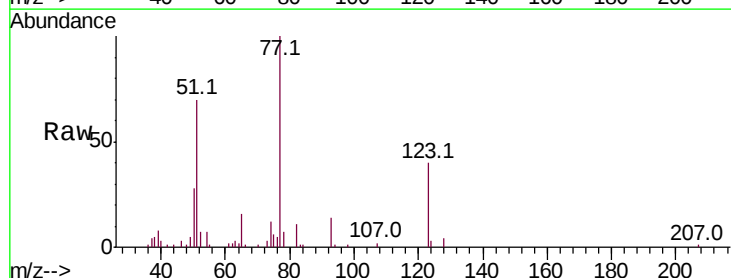
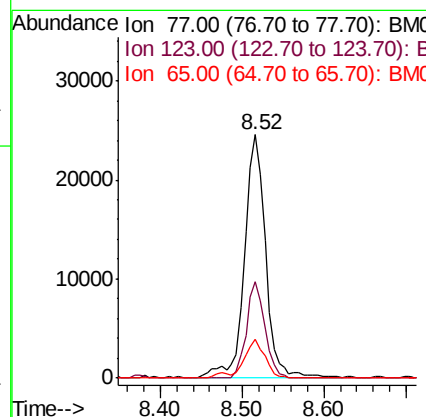
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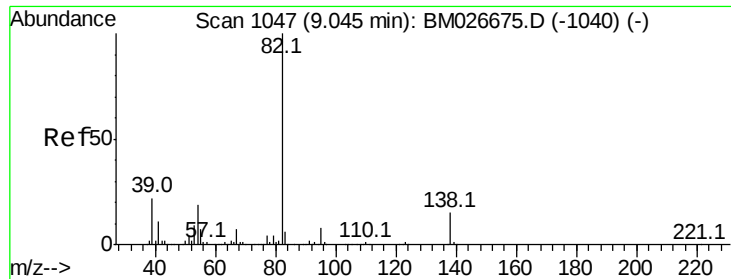
mohammad
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#24
Nitrobenzene
Concen: 6.793 ng
RT: 8.52 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
77	100		
123	39.5	29.8	44.6
65	15.9	12.2	18.4





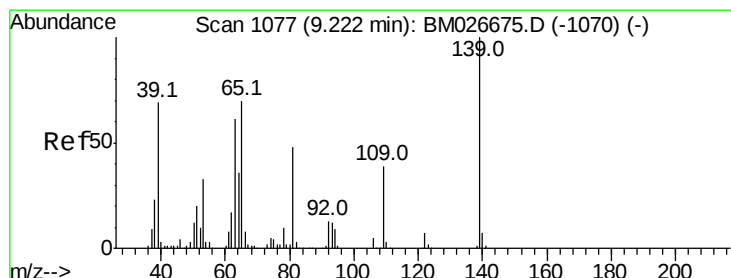
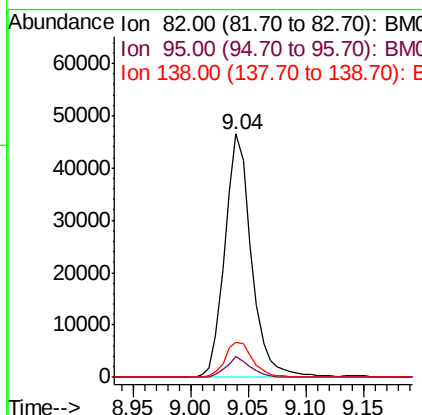
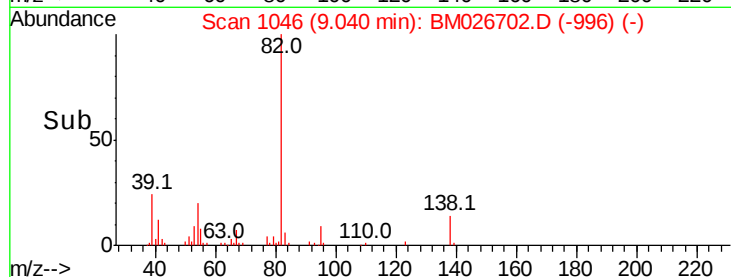
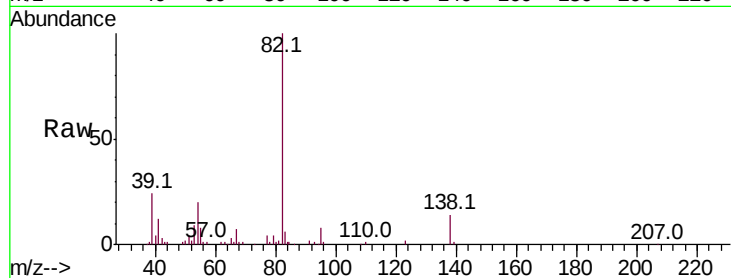
#25
Isophorone
Concen: 6.248 ng
RT: 9.04 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.3	9.5
138	14.4	12.0	18.0

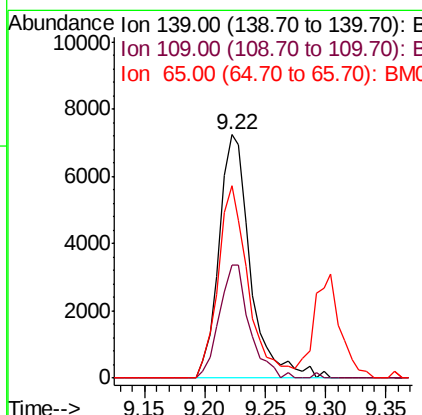
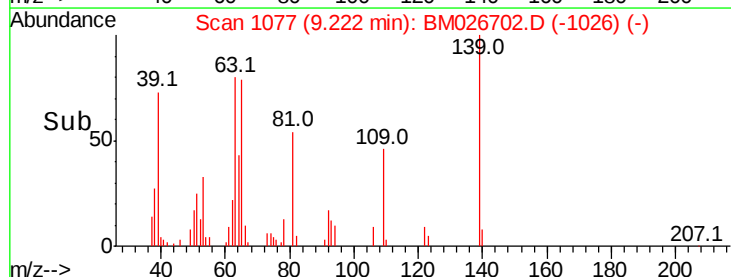
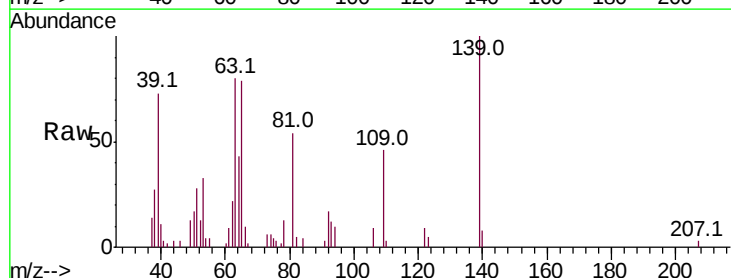
Manual Integrations
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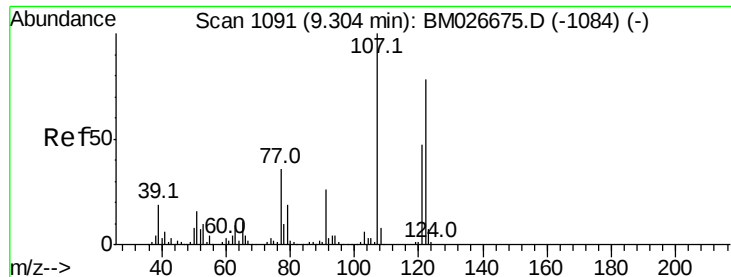
mohammad
7/9/2020 10:59:42 AM



#26
2-Nitrophenol
Concen: 5.390 ng
RT: 9.22 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	46.3	30.8	46.2#
65	78.9	56.2	84.4





#27

2,4-Dimethylphenol

Concen: 6.916 ng

RT: 9.30 min Scan# 1090

Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:122 Resp: 27155

Ion Ratio Lower Upper

122 100

107 122.5 102.1 153.1

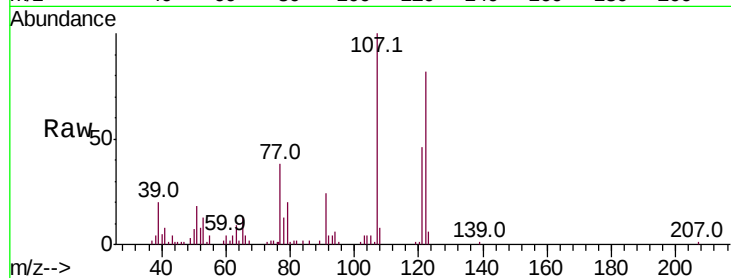
121 56.6 48.2 72.2

Manual Integrations

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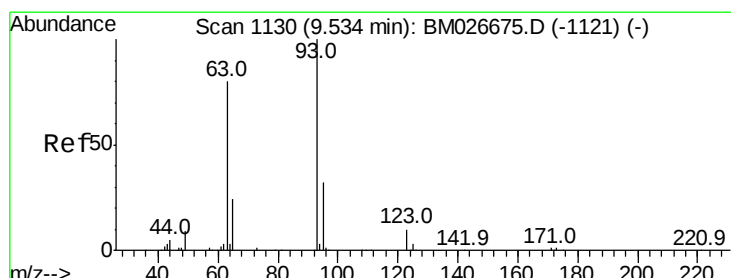
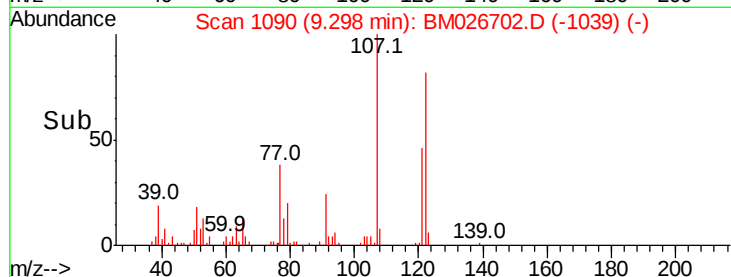
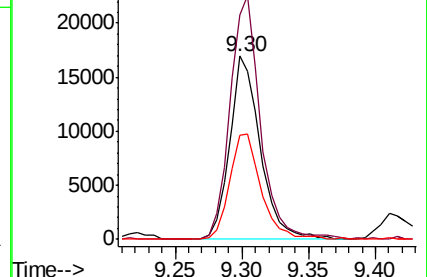
7/9/2020 10:59:42 AM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 6.643 ng

RT: 9.53 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

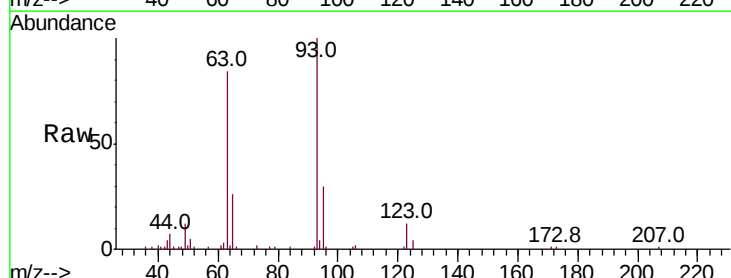
Tgt Ion: 93 Resp: 43764

Ion Ratio Lower Upper

93 100

95 29.8 25.7 38.5

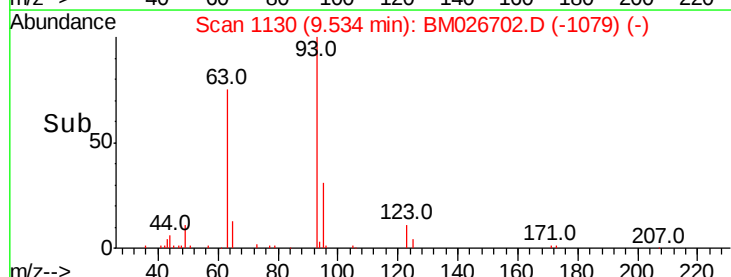
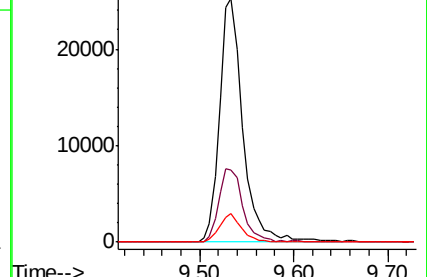
123 11.6 8.7 13.1

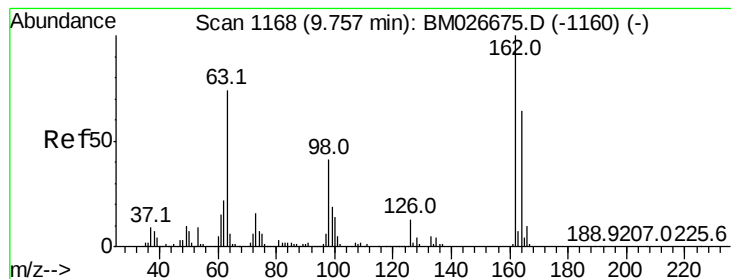


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 5.957 ng

RT: 9.76 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

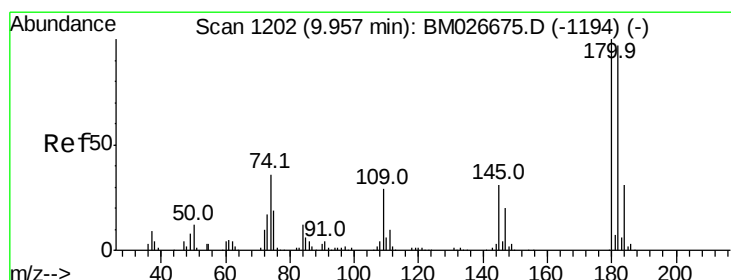
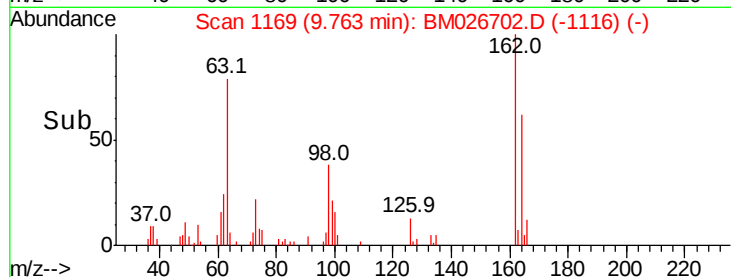
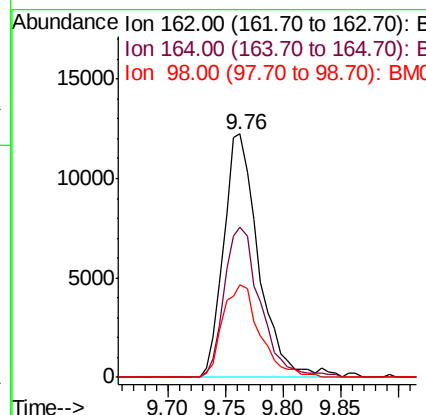
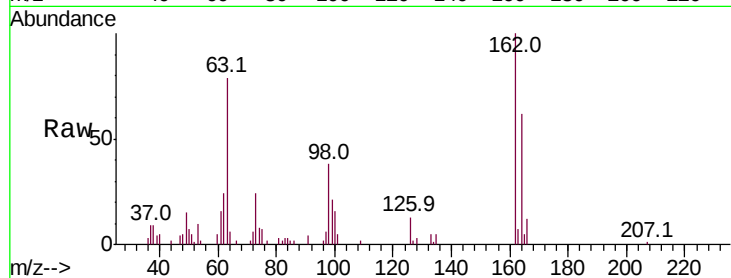
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	162	Resp:	25758
Ion Ratio	Lower	Upper	
162	100		
164	61.9	44.3	84.3
98	37.9	21.0	61.0

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#30

1,2,4-Trichlorobenzene

Concen: 6.505 ng

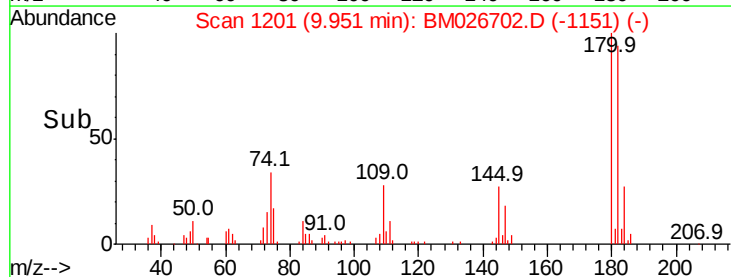
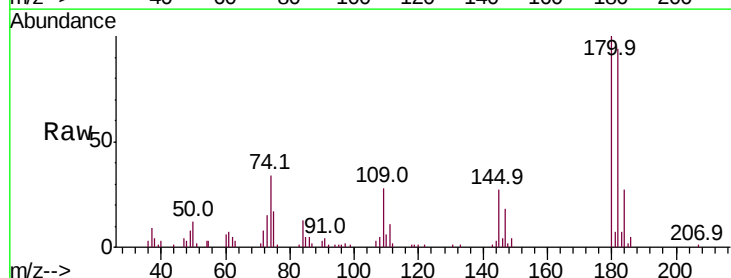
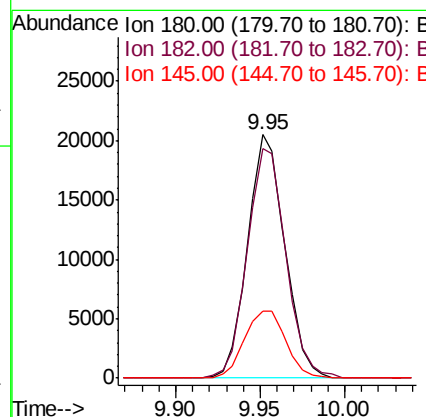
RT: 9.95 min Scan# 1201

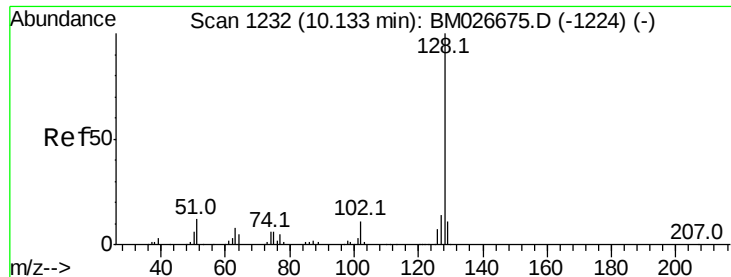
Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	180	Resp:	31378
Ion Ratio	Lower	Upper	
180	100		
182	94.2	77.8	116.6
145	27.5	25.0	37.6





#31
Naphthalene
Concen: 6.728 ng
RT: 10.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

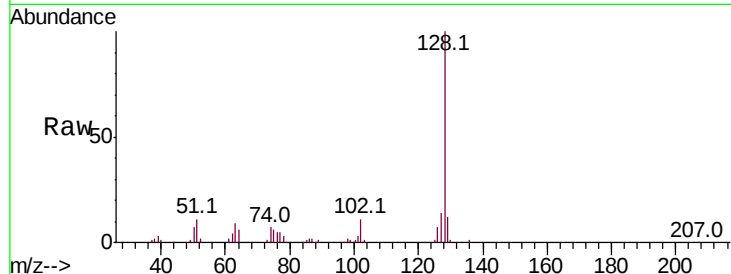
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:128	Resp:	99283
Ion Ratio	Lower	Upper
128 100		
129 11.9	8.8	13.2
127 13.7	10.8	16.2

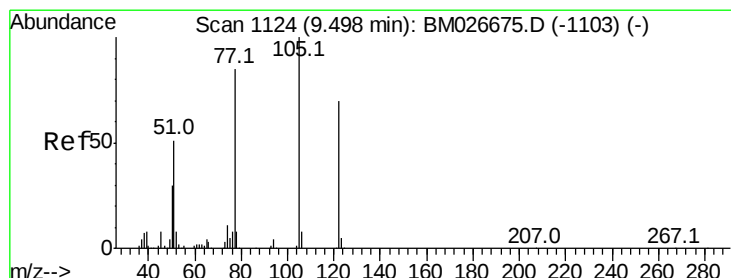
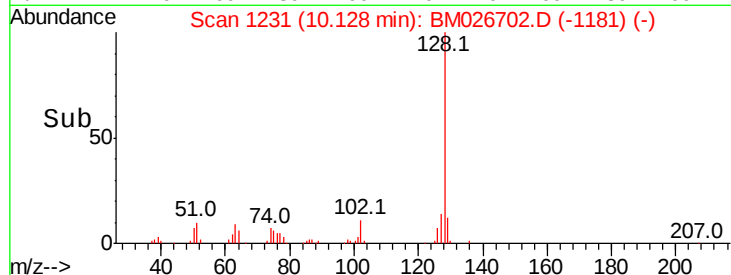
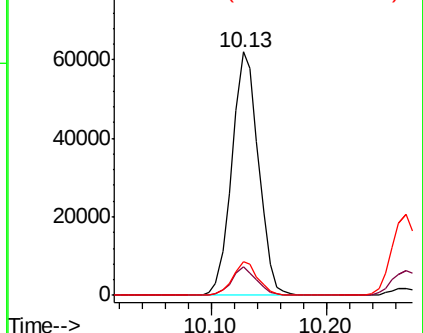
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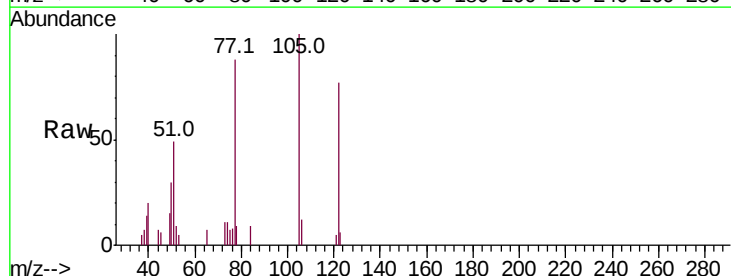


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

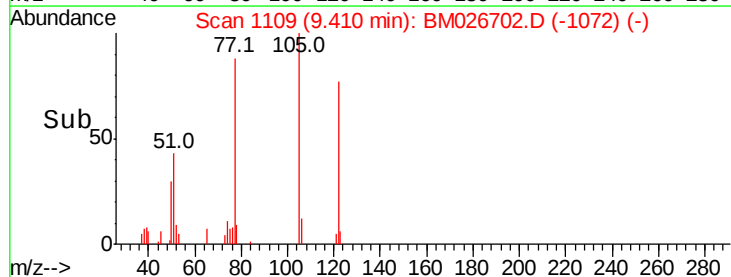
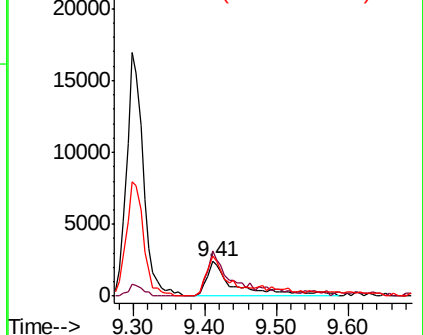


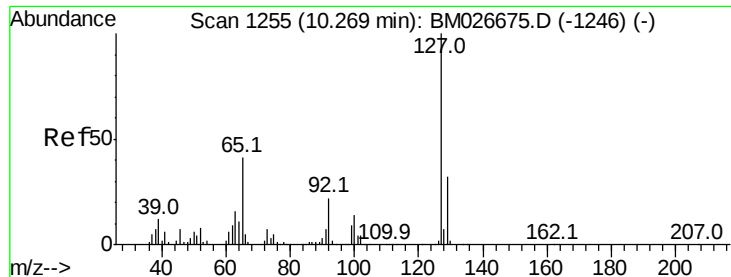
#32
Benzoic acid
Concen: 2.280 ng m
RT: 9.41 min Scan# 1109
Delta R.T. -0.08 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion:122	Resp:	6795
Ion Ratio	Lower	Upper
122 100		
105 129.3	120.9	160.9
77 114.2	100.0	140.0



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





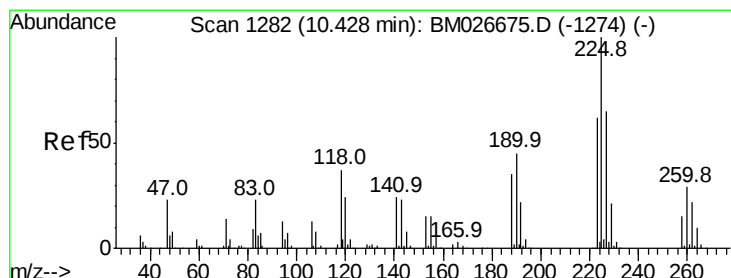
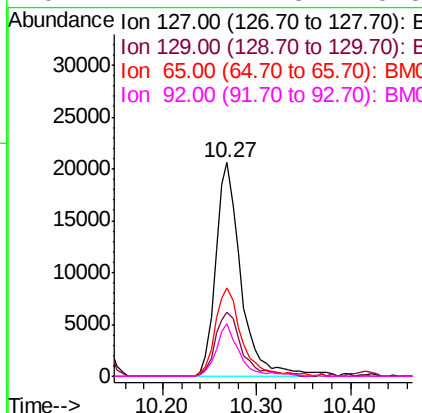
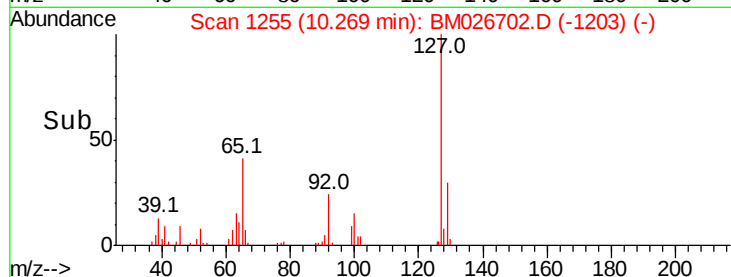
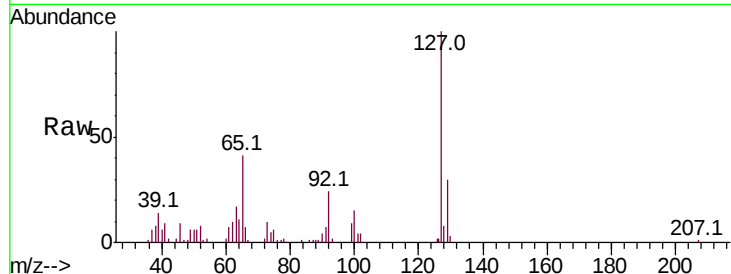
#33
4-Chloroaniline
Concen: 6.013 ng
RT: 10.27 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	30.0	25.8	38.6	
65	41.2	32.5	48.7	
92	24.4	17.8	26.8	

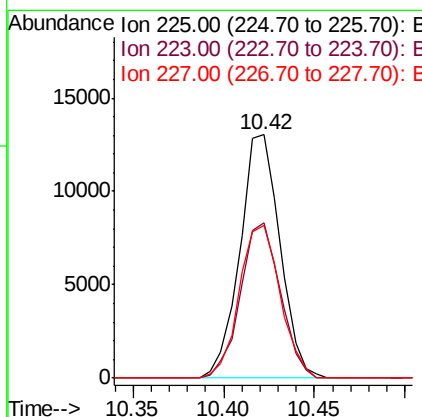
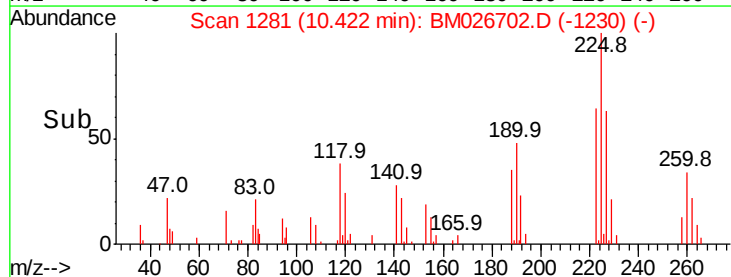
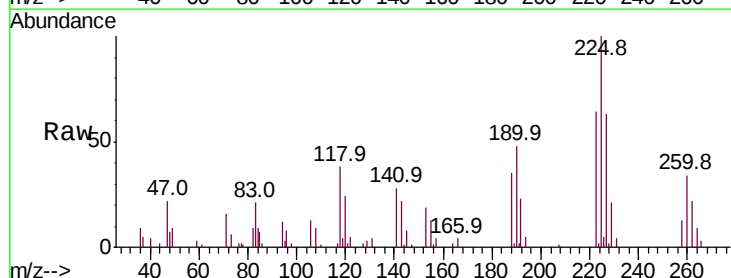
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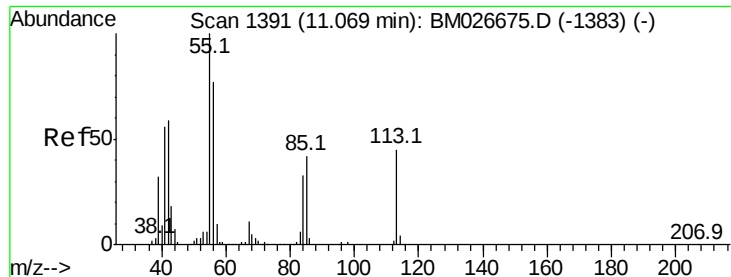
mohammad
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#34
Hexachlorobutadiene
Concen: 6.268 ng
RT: 10.42 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.5	49.8	74.8	
227	65.0	52.3	78.5	





#35

Caprolactam

Concen: 5.595 ng

RT: 11.05 min Scan# 1387

Delta R.T. -0.02 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:113 Resp: 8570

Ion Ratio Lower Upper

113 100

55 215.9 203.5 243.5

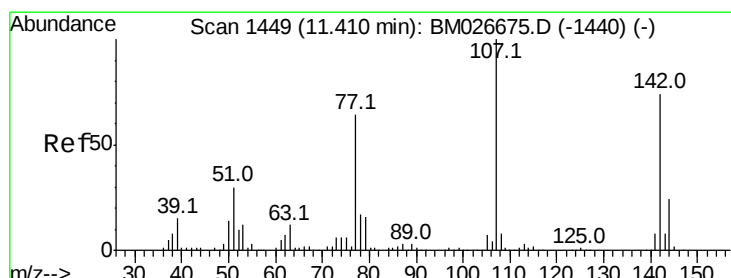
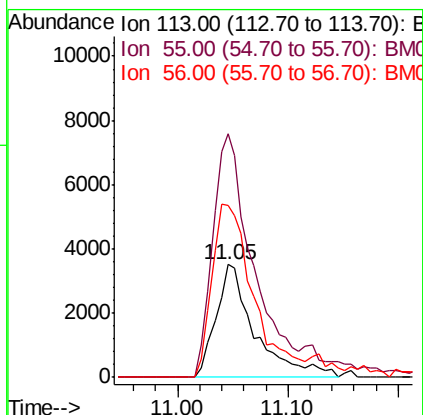
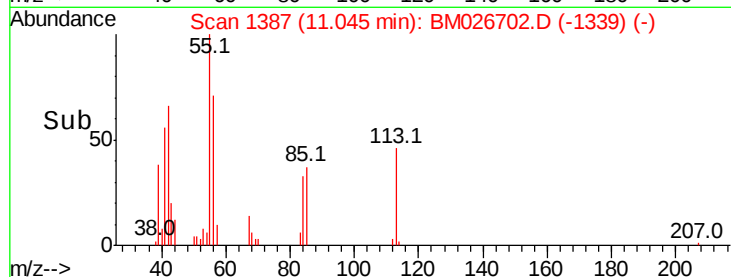
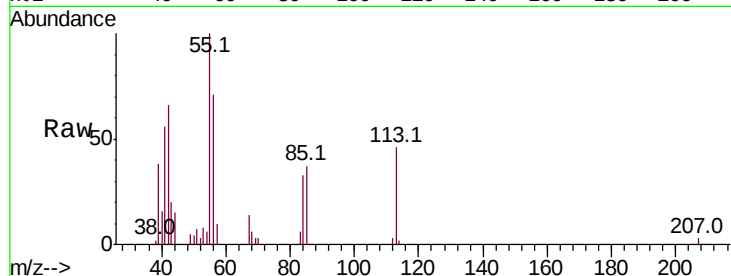
56 152.5 151.6 191.6

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#36

4-Chloro-3-methylphenol

Concen: 6.075 ng

RT: 11.40 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

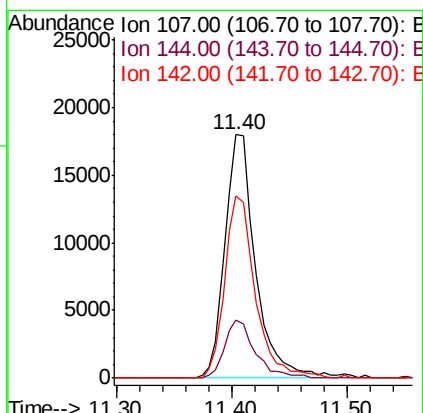
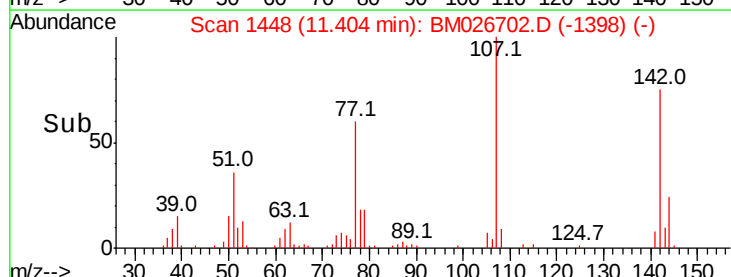
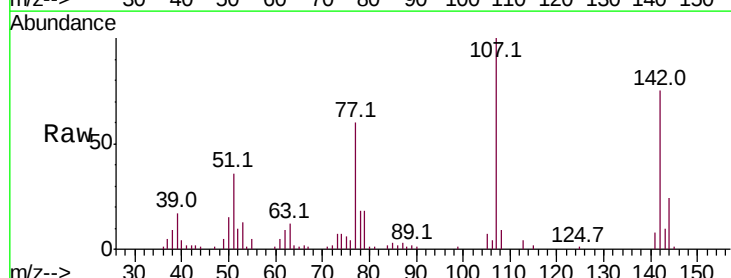
Tgt Ion:107 Resp: 33200

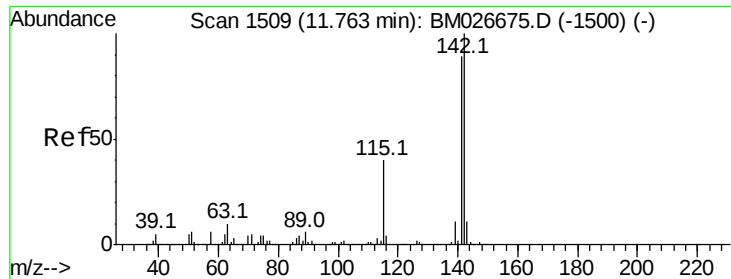
Ion Ratio Lower Upper

107 100

144 23.7 18.9 28.3

142 74.7 59.0 88.4





#37
2-Methylnaphthalene
Concen: 6.650 ng
RT: 11.76 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

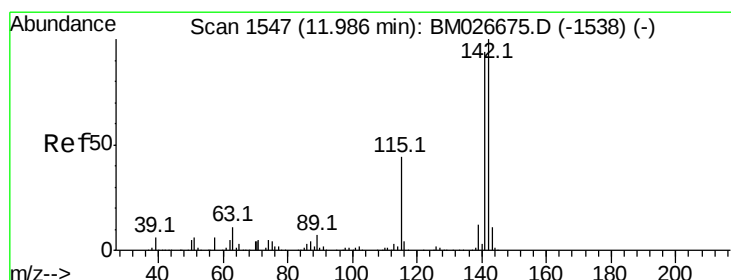
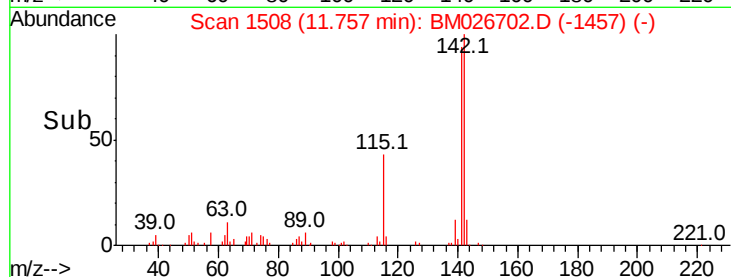
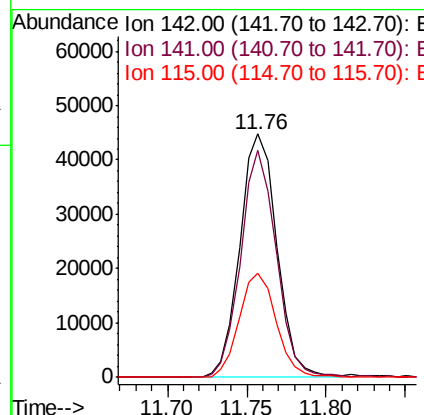
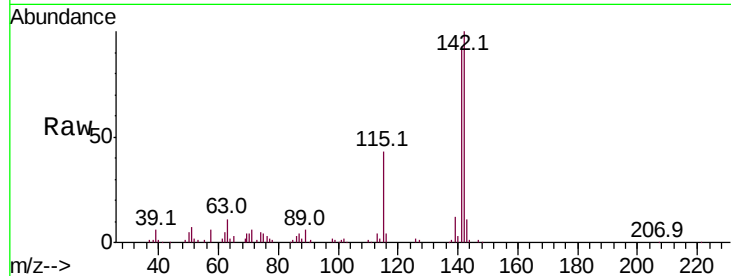
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.1	71.4	107.0
115	42.6	32.1	48.1

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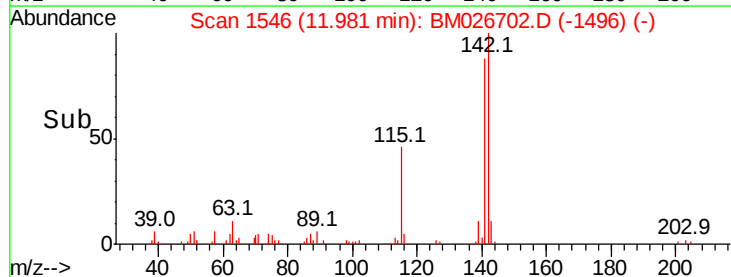
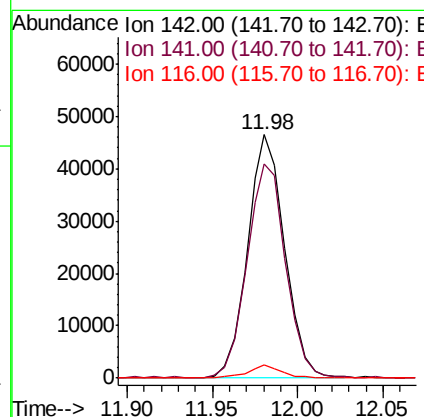
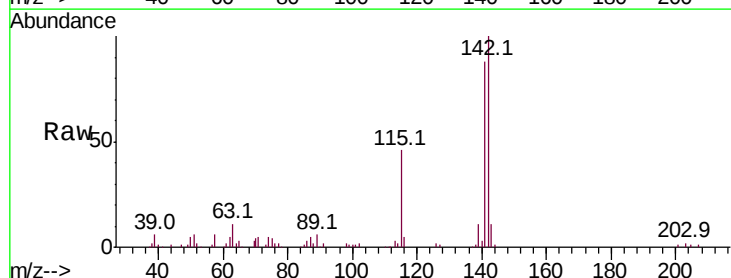
mohammad

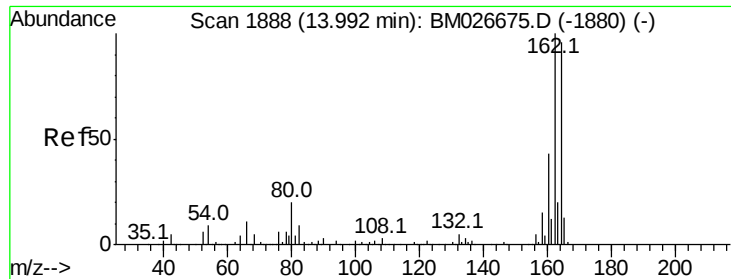
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#38
1-Methylnaphthalene
Concen: 6.717 ng m
RT: 11.98 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	75.0	112.6
116	5.5	3.5	5.3#





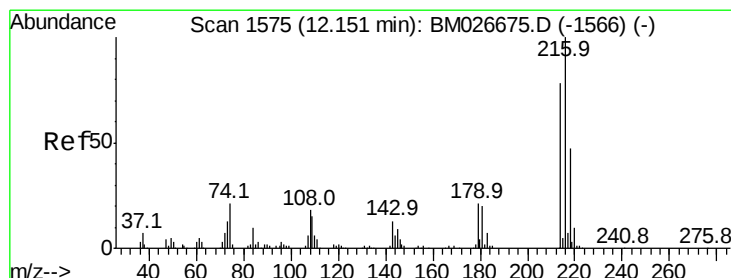
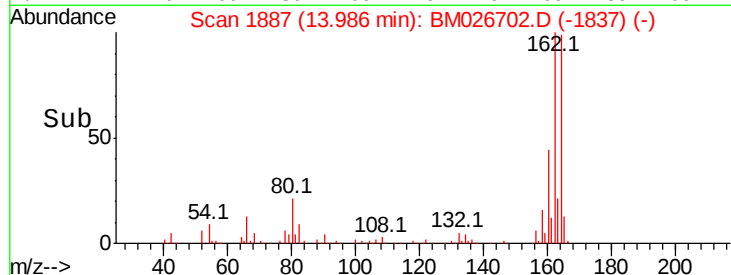
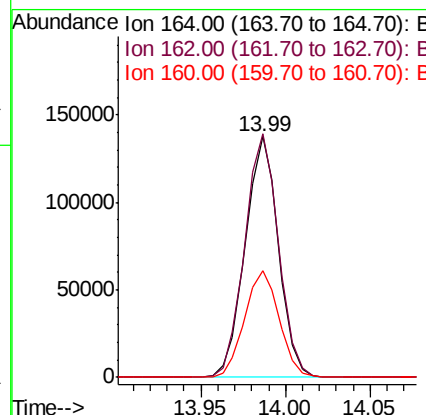
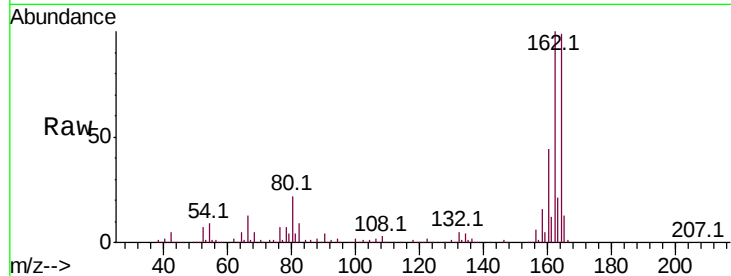
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.99 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	83.7	125.5
160	44.4	36.2	54.2

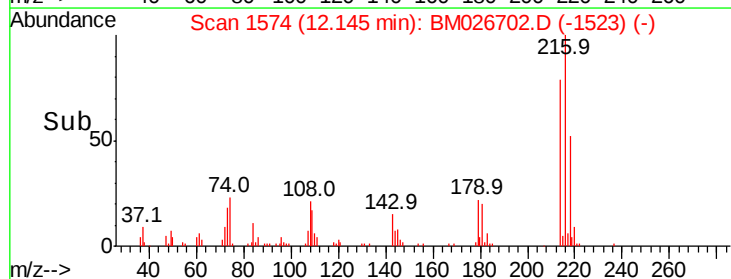
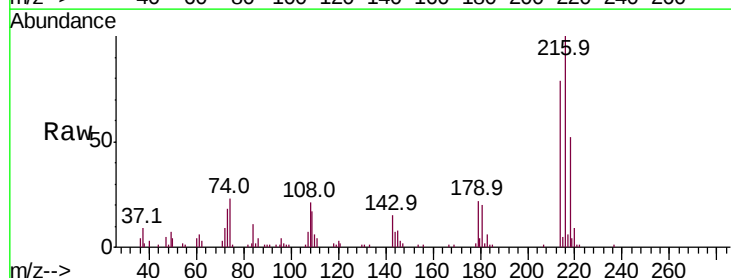
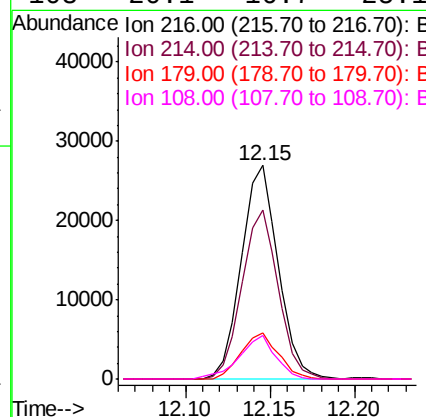
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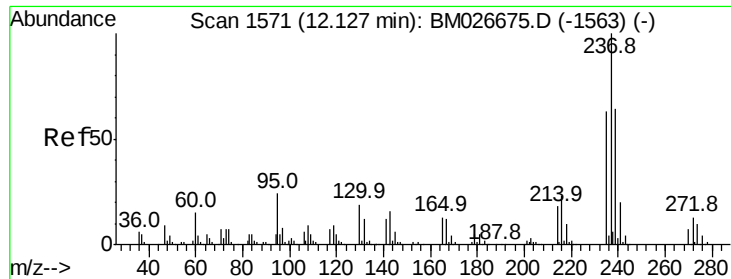
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 6.726 ng
RT: 12.15 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.6	62.6	93.8
179	21.9	17.5	26.3
108	20.1	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 4.263 ng

RT: 12.12 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

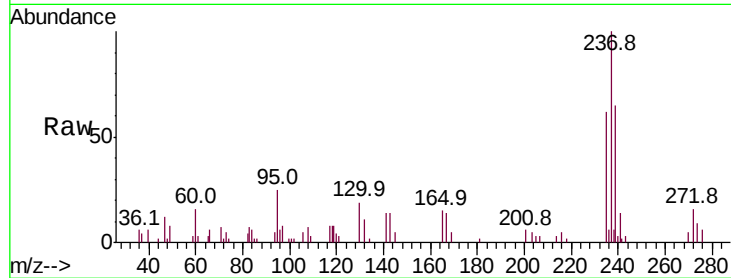
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	237	Resp:	12405
Ion Ratio	Lower	Upper	
237	100		
235	61.6	42.8	82.8
272	15.8	0.0	32.8

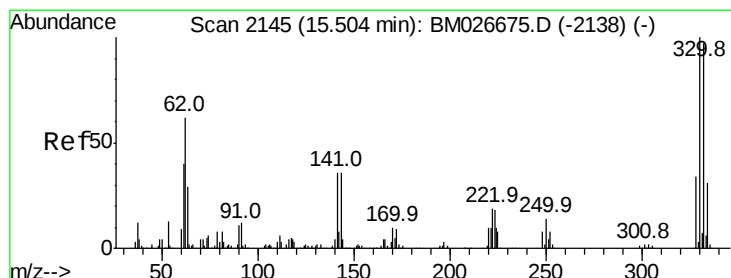
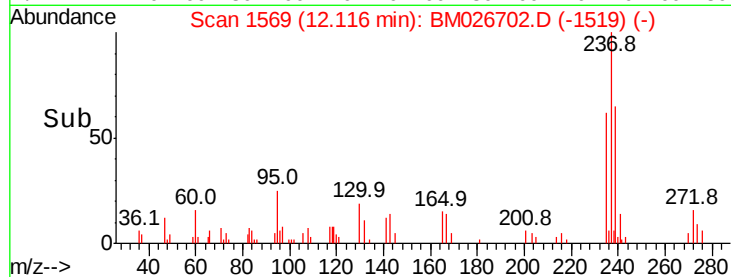
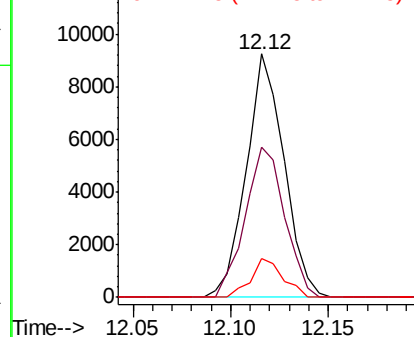
Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 98.848 ng

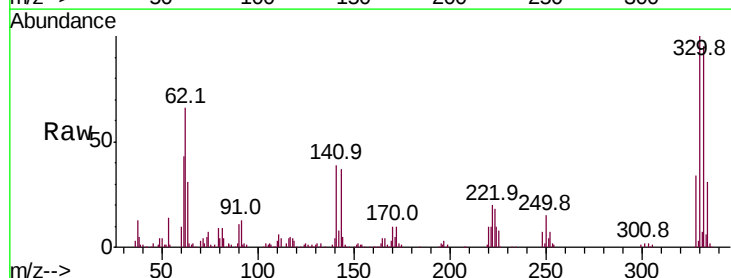
RT: 15.50 min Scan# 2144

Delta R.T. 0.00 min

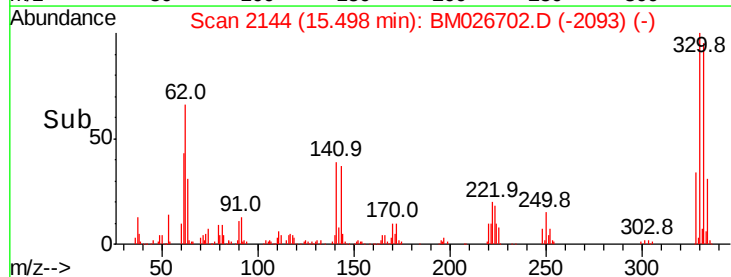
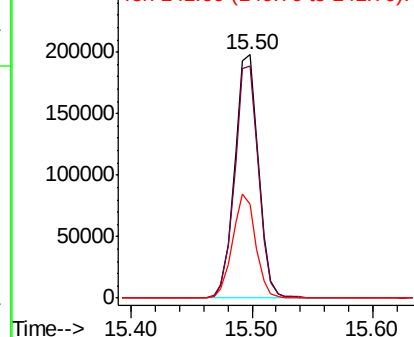
Lab File: BM026702.D

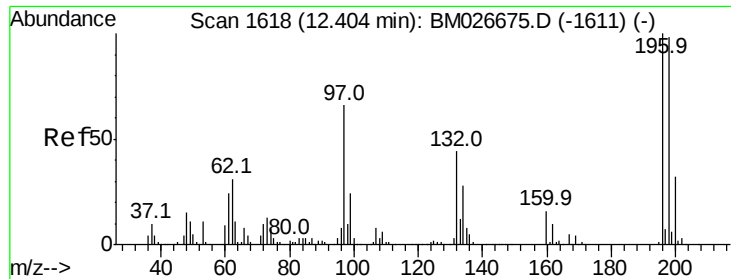
Acq: 08 Jul 2020 11:54

Tgt Ion:	330	Resp:	271613
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.5	116.3
141	41.7	32.4	48.6



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





#43
2,4,6-Trichlorophenol
Concen: 5.598 ng
RT: 12.40 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

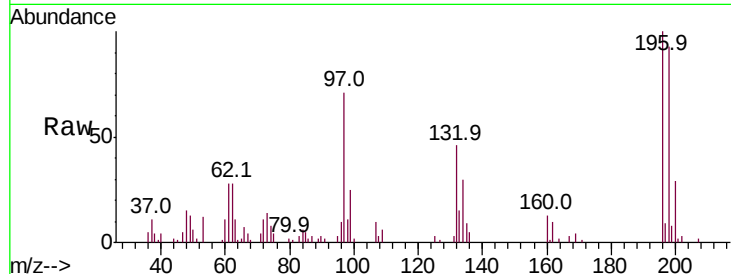
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	22363		
198	93.2		78.6	118.0
200	28.9		25.3	37.9

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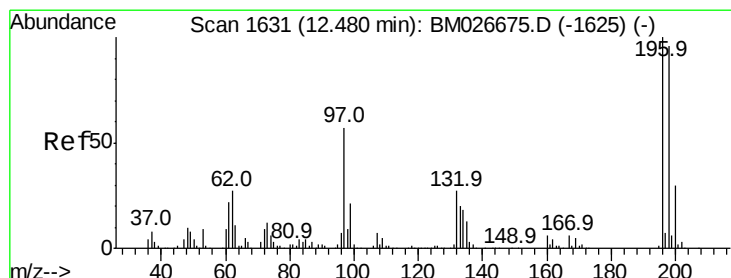
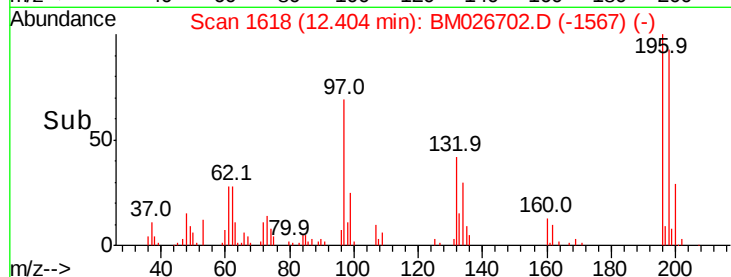
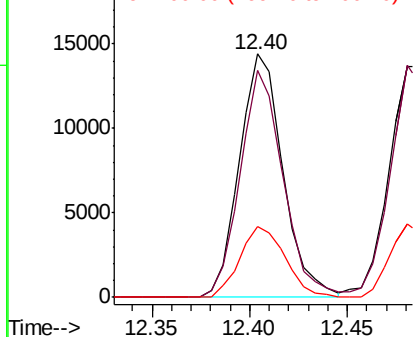


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
2,4,5-Trichlorophenol
Concen: 5.309 ng
RT: 12.48 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	24918		
198	100.6		77.0	115.6
97	59.2		45.7	68.5
132	28.4		21.8	32.6

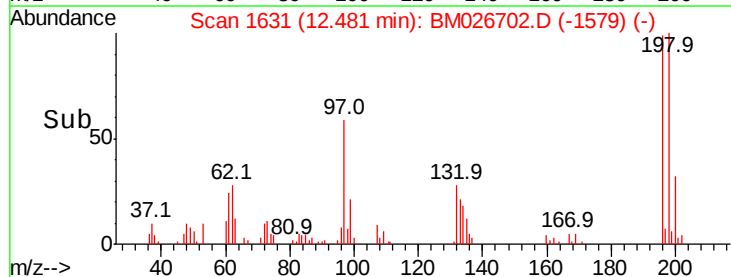
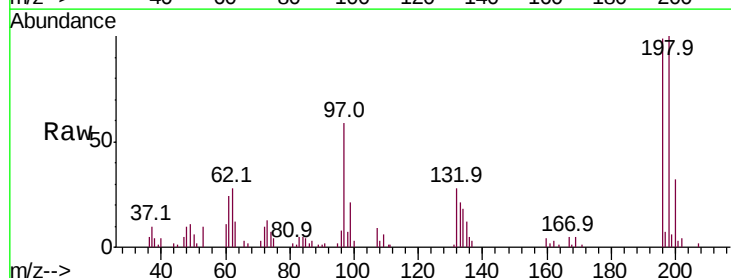
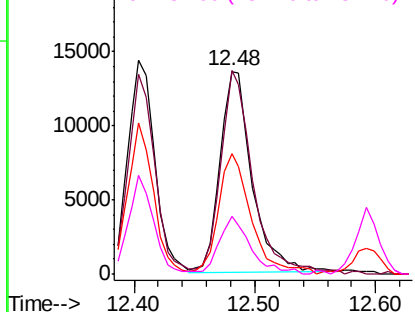
Abundance

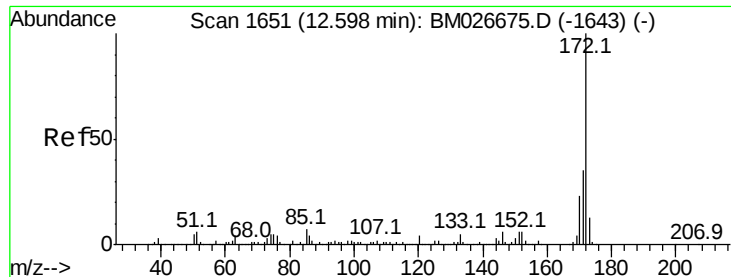
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E





#45
2-Fluorobiphenyl
Concen: 73.654 ng
RT: 12.59 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

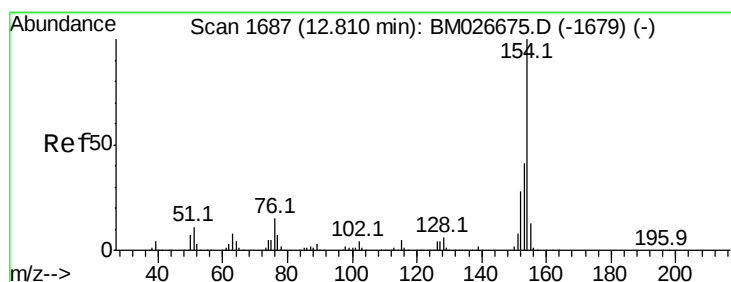
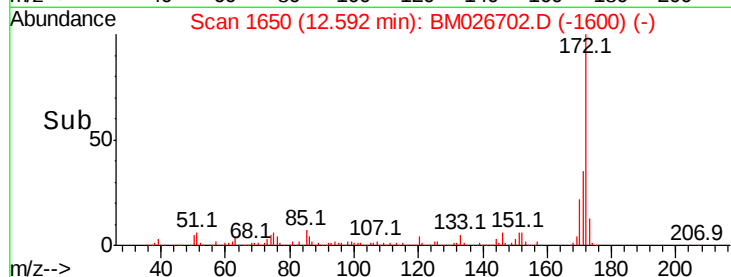
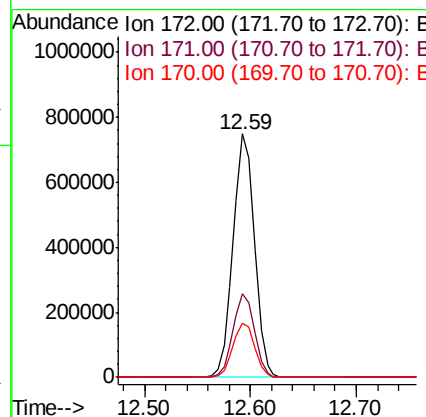
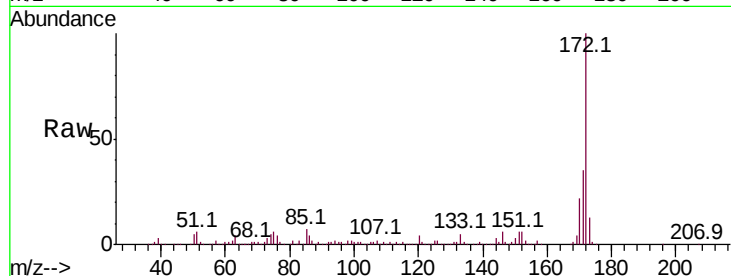
Instrument :
BNA_M
ClientSampleID :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	22.3	18.5	27.7

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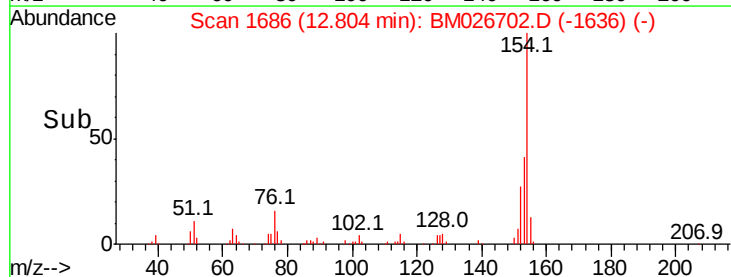
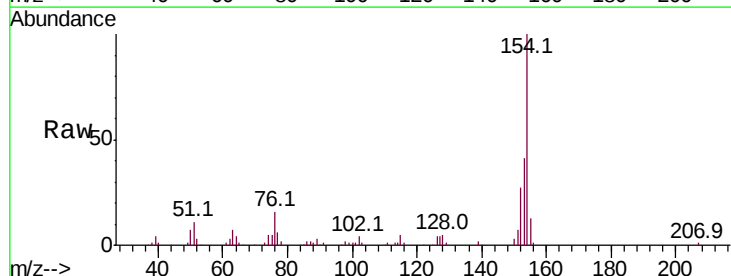
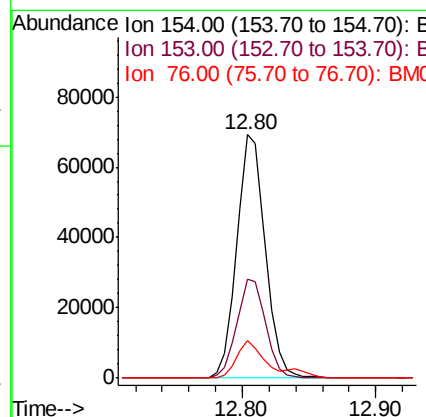
mohammad

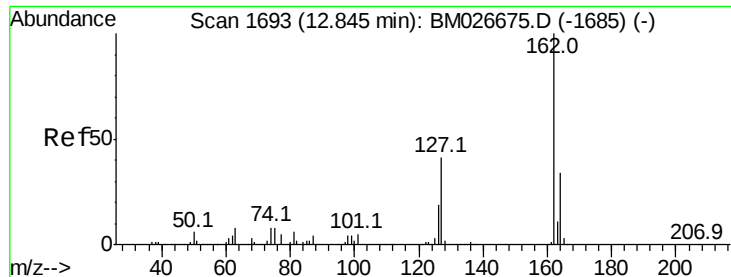
7/9/2020 10:59:42 AM



#46
1,1'-Biphenyl
Concen: 6.903 ng
RT: 12.80 min Scan# 1686
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.9	60.9
76	15.6	0.0	35.2





#47
2-Chloronaphthalene
Concen: 6.285 ng
RT: 12.84 min Scan# 1692
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

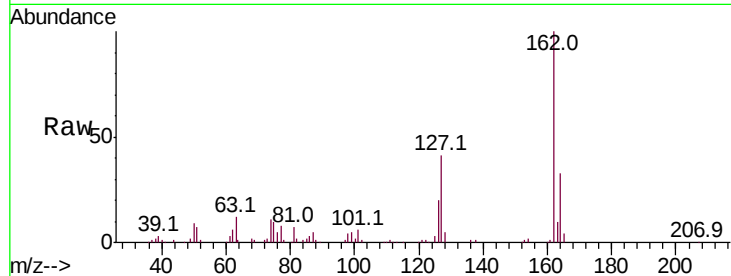
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.3	34.0	51.0
164	32.9	26.9	40.3

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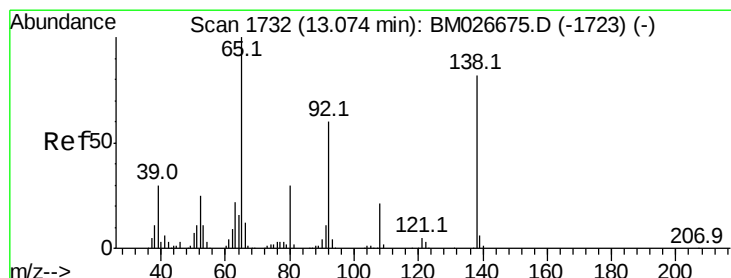
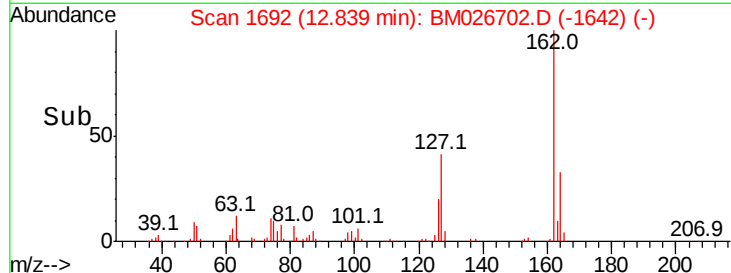
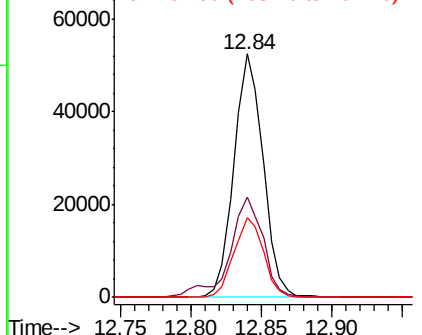


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 5.358 ng
RT: 13.07 min Scan# 1732
Delta R.T. 0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

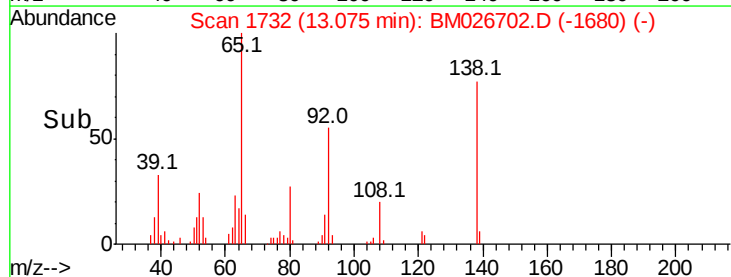
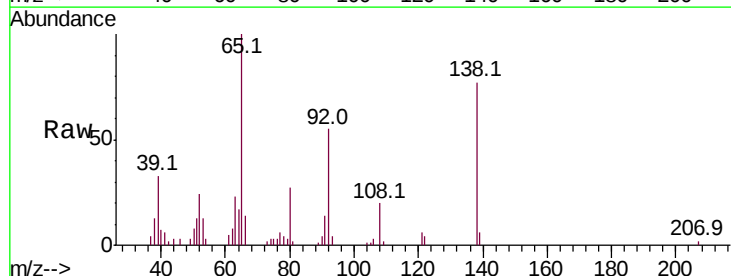
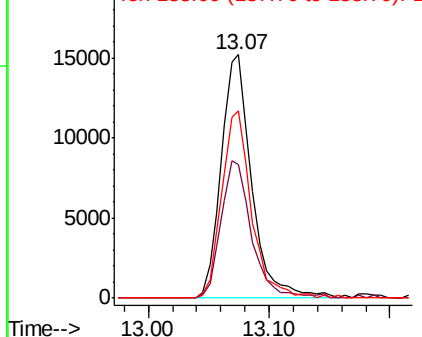
Tgt Ion	Ratio	Lower	Upper
65	100		
92	55.0	47.8	71.8
138	77.1	65.6	98.4

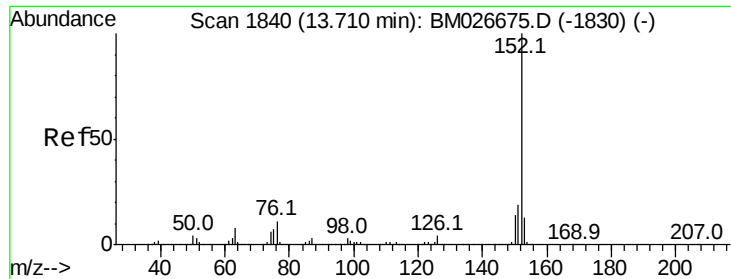
Abundance

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 6.320 ng

RT: 13.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

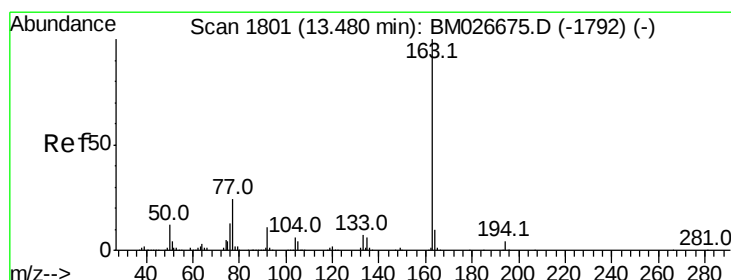
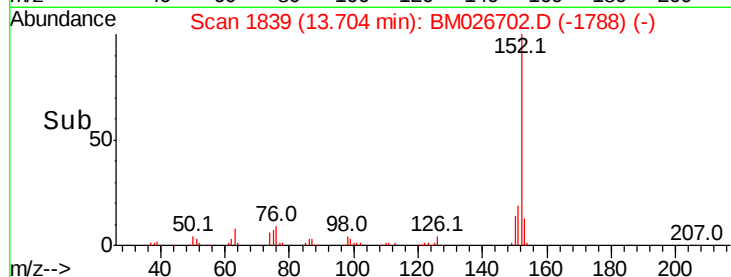
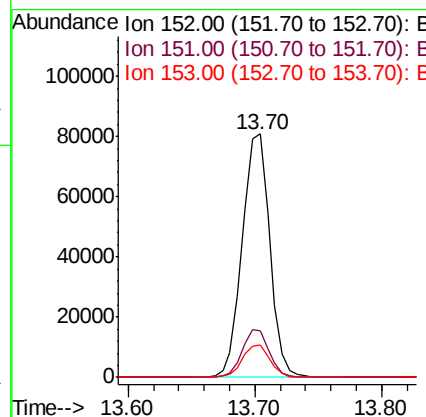
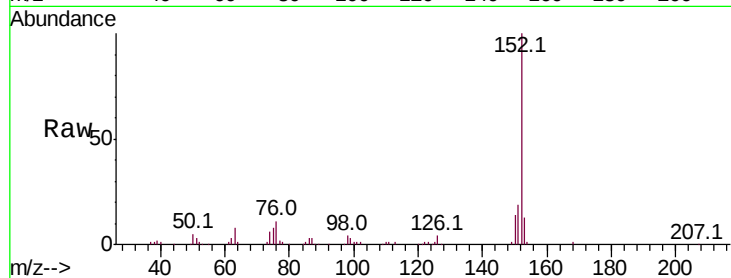
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
152	100	121610		
151	19.3	15.6	23.4	
153	13.4	10.4	15.6	

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#50

Dimethylphthalate

Concen: 6.357 ng

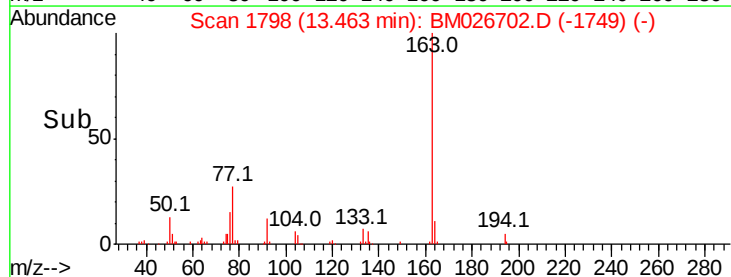
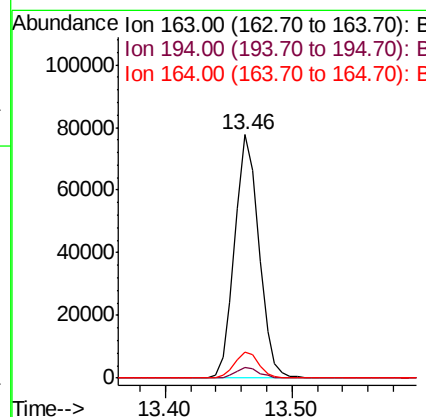
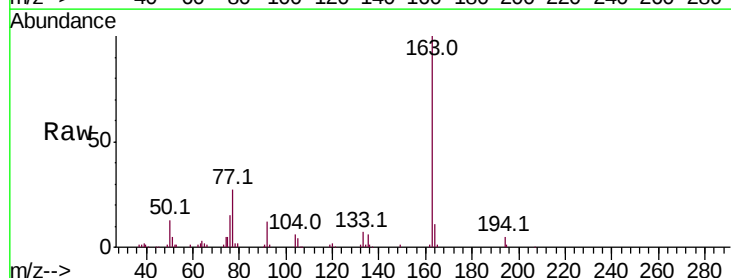
RT: 13.46 min Scan# 1798

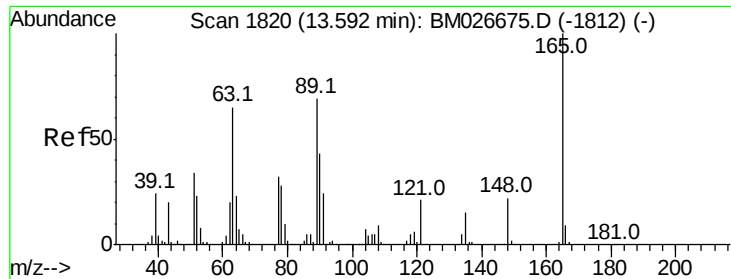
Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	102561		
194	4.6	3.4	5.2	
164	10.7	7.8	11.6	





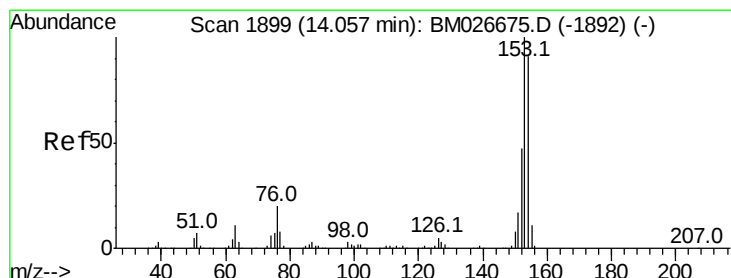
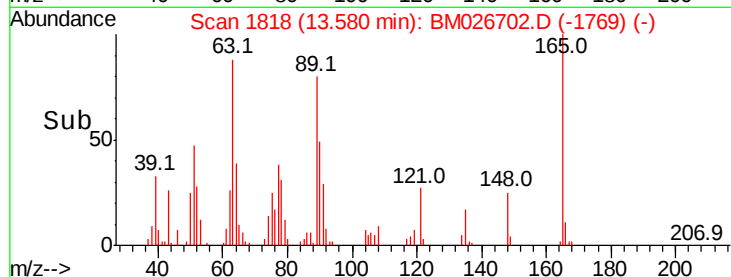
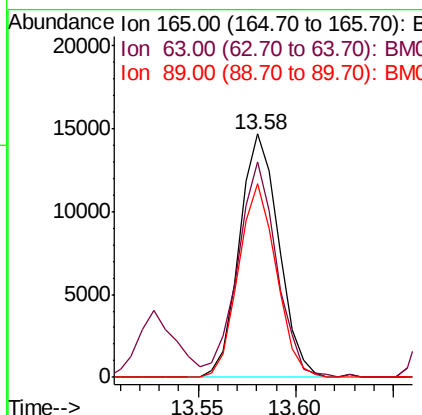
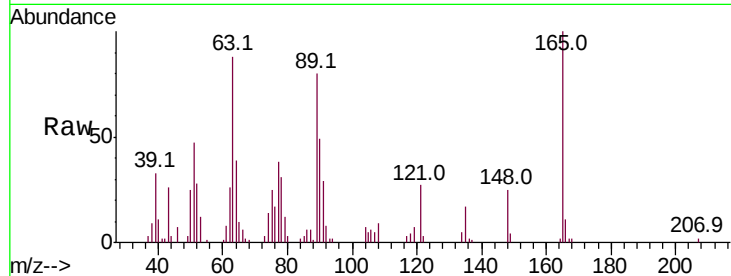
#51
 2,6-Dinitrotoluene
 Concen: 5.940 ng
 RT: 13.58 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

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

Tot Ion:165	Resp:	20524
Ion Ratio	Lower	Upper
165 100		
63 88.5	61.1	91.7
89 79.5	54.9	82.3

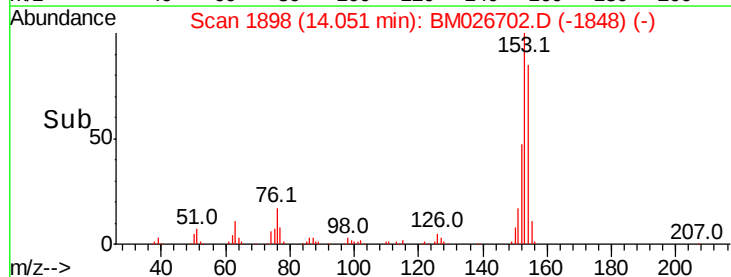
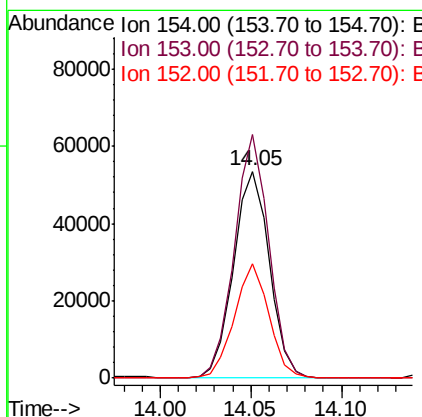
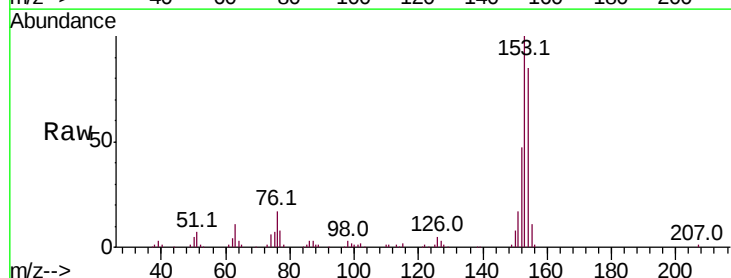
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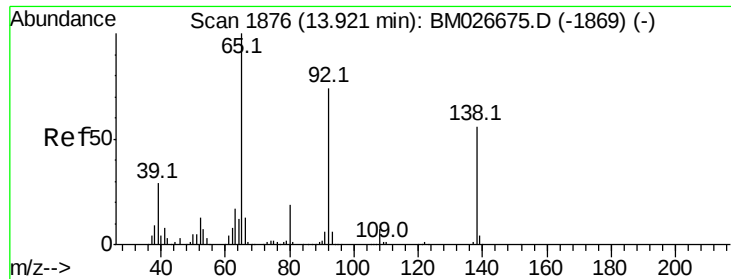
mohammad
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#52
 Acenaphthene
 Concen: 6.314 ng
 RT: 14.05 min Scan# 1898
 Delta R.T. -0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

Tgt Ion:154	Resp:	73837
Ion Ratio	Lower	Upper
154 100		
153 117.6	88.3	132.5
152 55.3	41.1	61.7





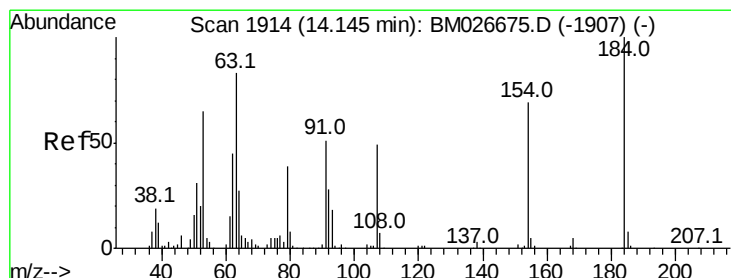
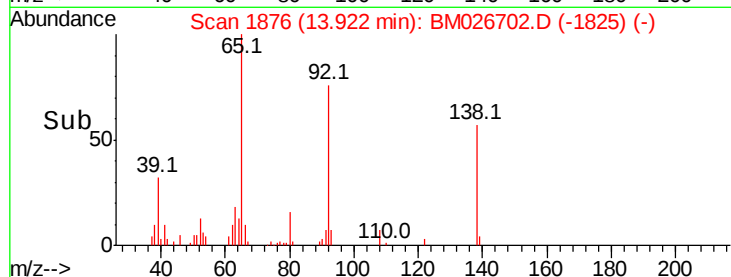
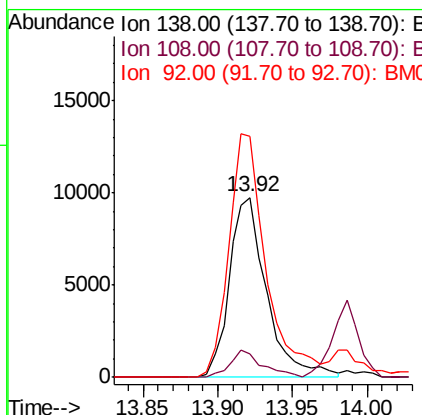
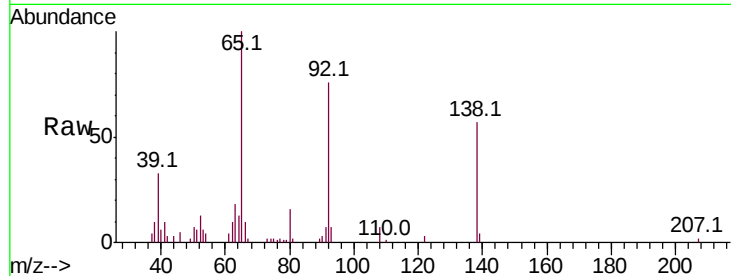
#53
3-Nitroaniline
Concen: 4.728 ng
RT: 13.92 min Scan# 1876
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.7	9.7	14.5
92	134.4	105.6	158.4

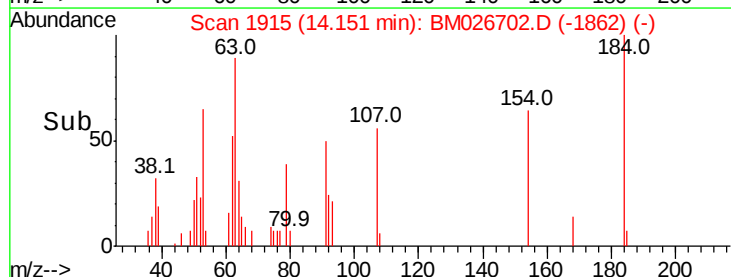
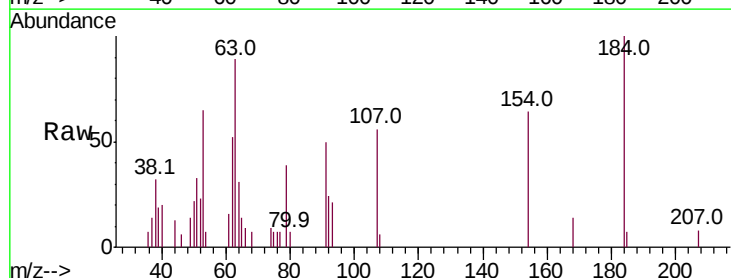
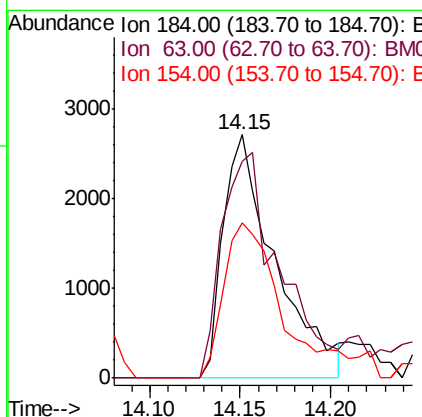
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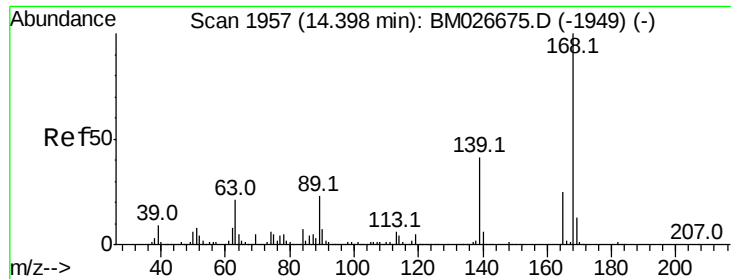
mohammad
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#54
2,4-Dinitrophenol
Concen: 2.675 ng
RT: 14.15 min Scan# 1915
Delta R.T. 0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
184	100		
63	89.3	66.2	99.4
154	63.6	55.2	82.8





#55

Dibenzofuran

Concen: 6.508 ng

RT: 14.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

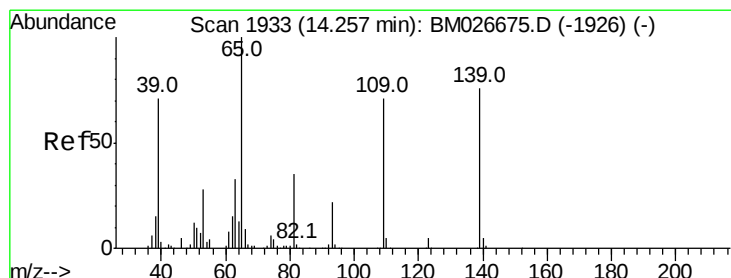
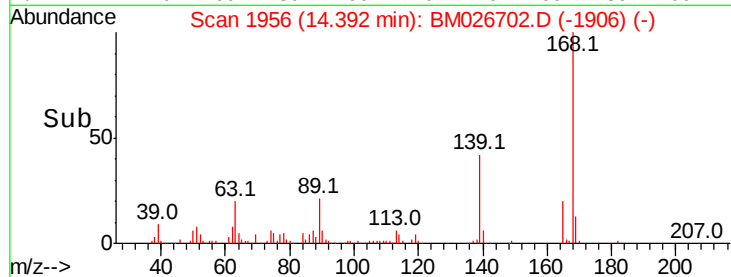
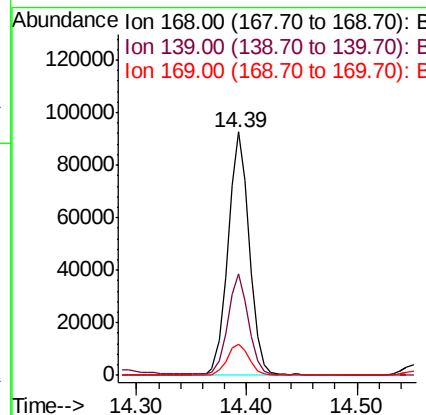
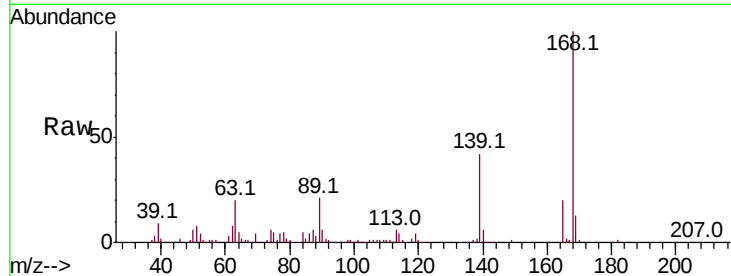
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	168	Resp:	124782
Ion Ratio	Lower	Upper	
168	100		
139	41.9	32.6	48.8
169	12.6	10.5	15.7

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#56

4-Nitrophenol

Concen: 4.110 ng

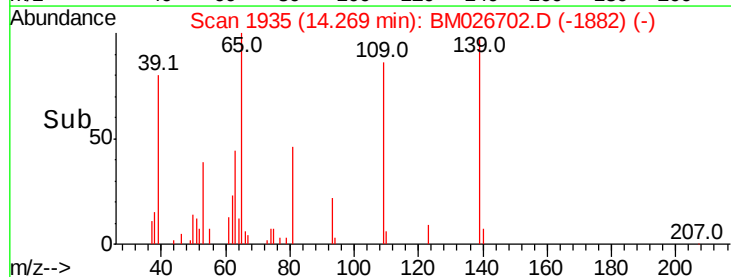
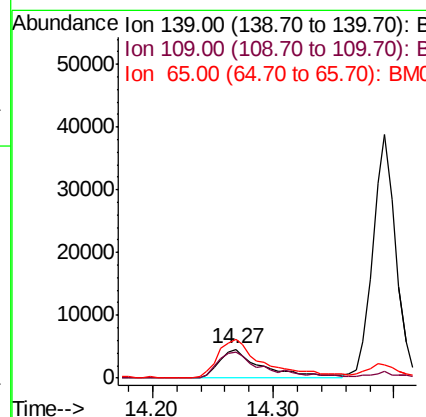
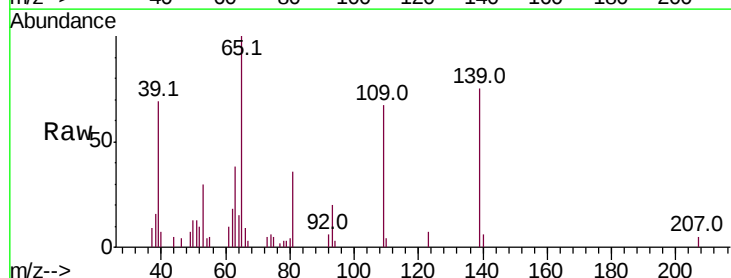
RT: 14.27 min Scan# 1935

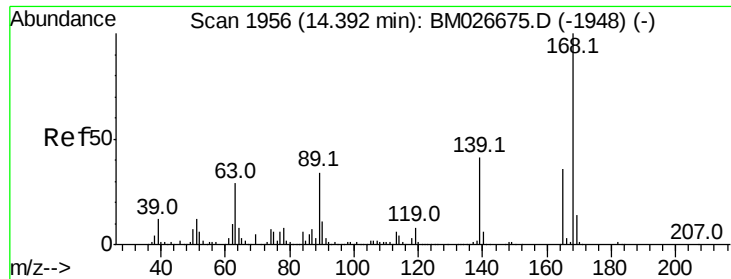
Delta R.T. 0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	139	Resp:	11592
Ion Ratio	Lower	Upper	
139	100		
109	88.8	73.7	113.7
65	132.5	111.5	151.5





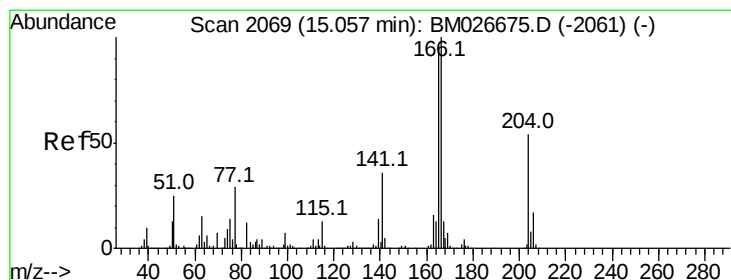
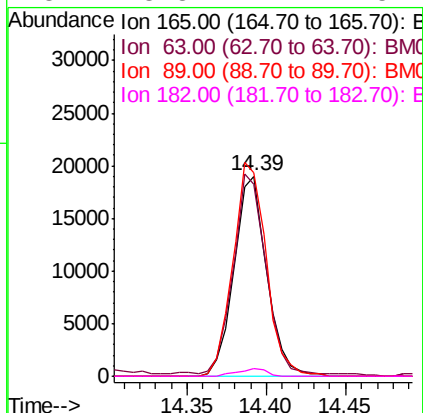
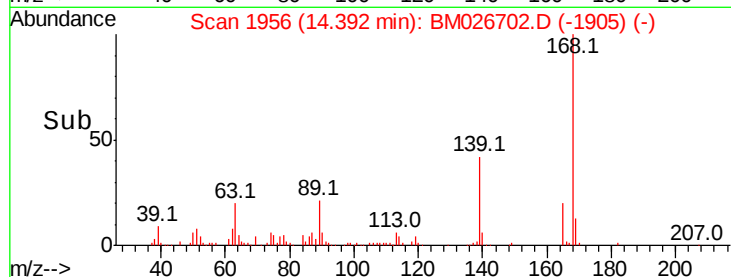
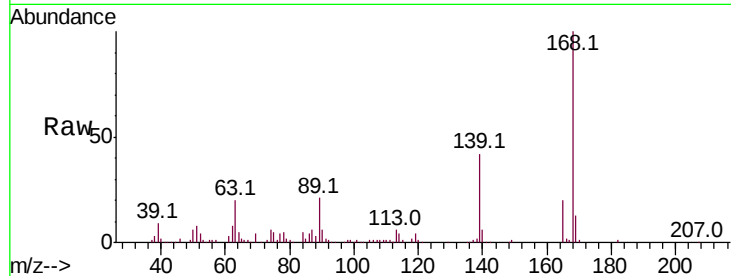
#57
2,4-Dinitrotoluene
Concen: 5.471 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	96.1	64.6	97.0
89	102.1	75.4	113.2
182	3.8	2.2	3.4#

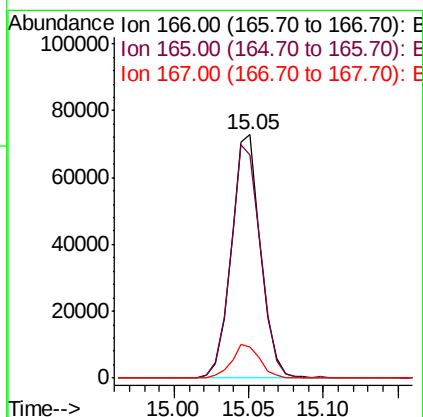
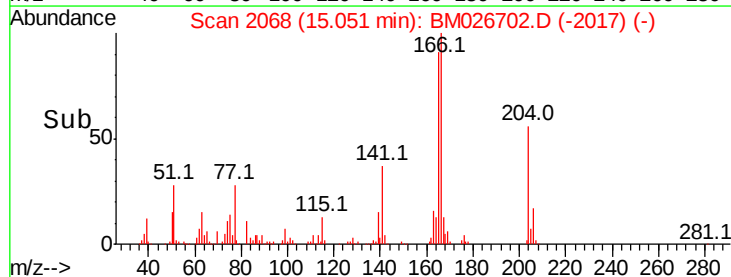
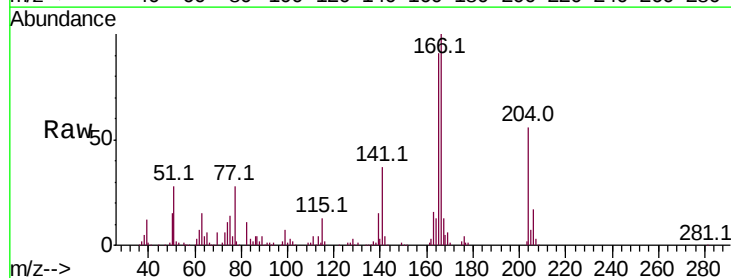
Manual Integrations
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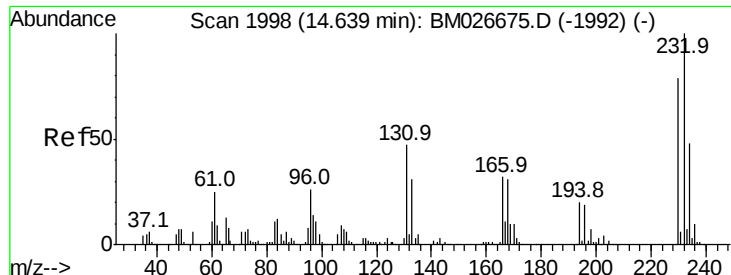
mohammad
7/9/2020 10:59:42 AM



#58
Fluorene
Concen: 6.224 ng
RT: 15.05 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.4	77.1	115.7
167	12.9	10.8	16.2





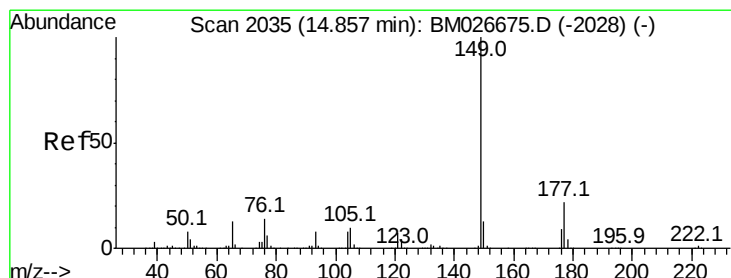
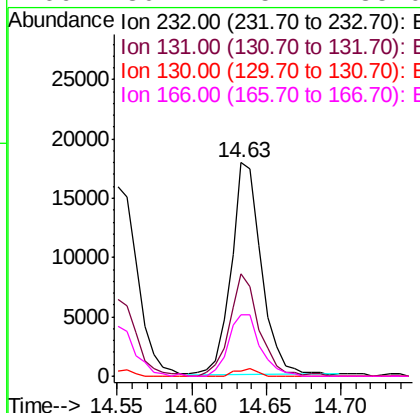
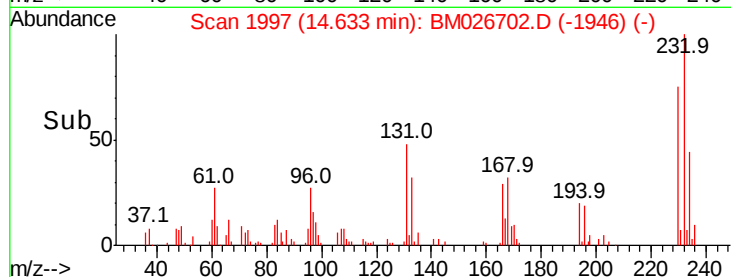
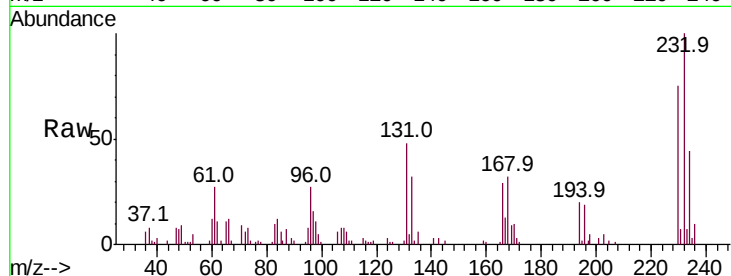
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.181 ng
 RT: 14.63 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.3	38.4	57.6
130	2.6	2.2	3.2
166	30.7	25.4	38.0

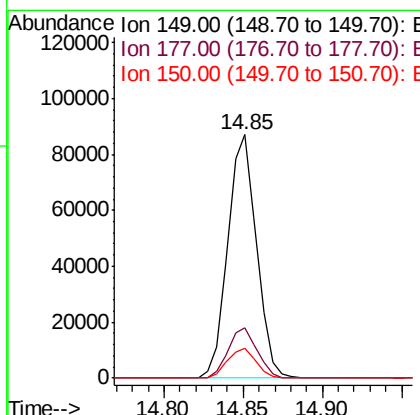
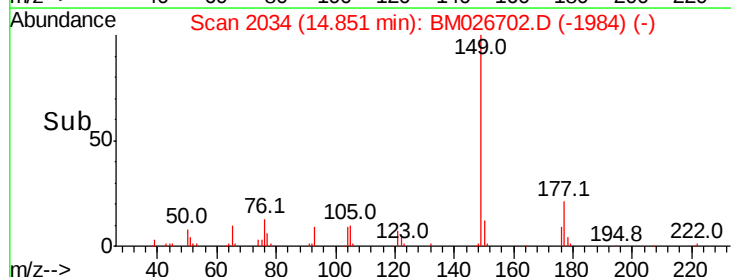
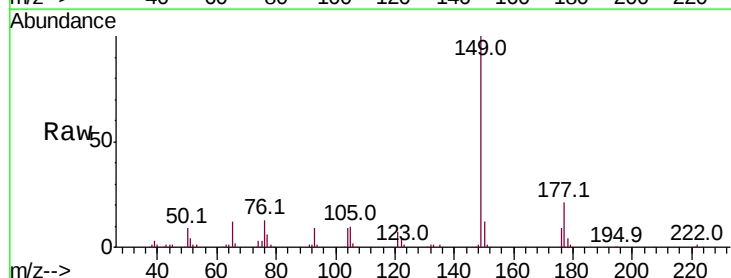
Manual Integrations
 APPROVED

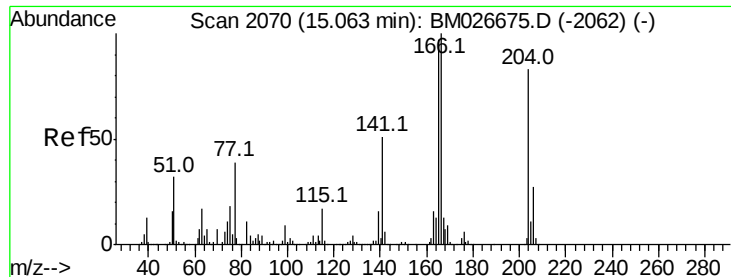
mohammad
 7/9/2020 10:59:42 AM



#60
 Diethylphthalate
 Concen: 6.373 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.8	26.6
150	12.0	10.2	15.4





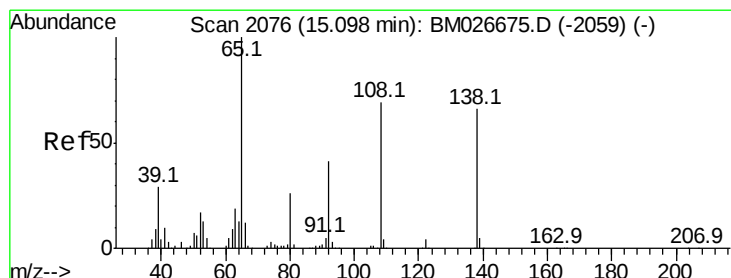
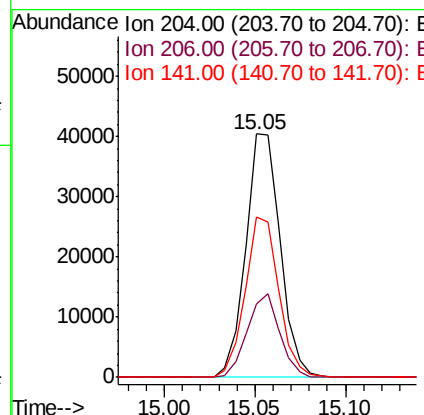
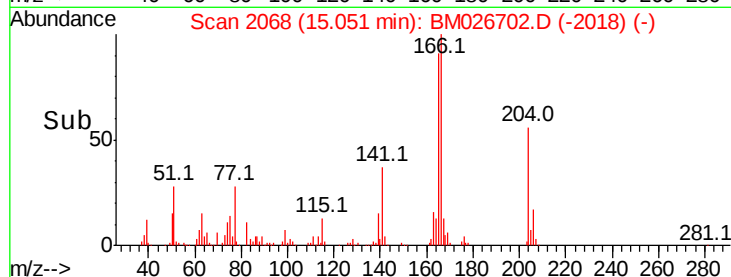
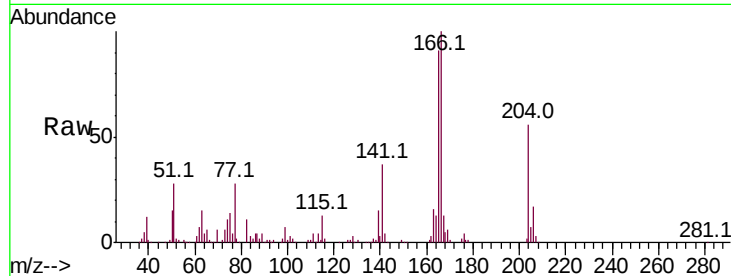
#61
4-Chlorophenyl-phenylether
Concen: 6.202 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	30.4	25.9	38.9
141	65.9	49.5	74.3

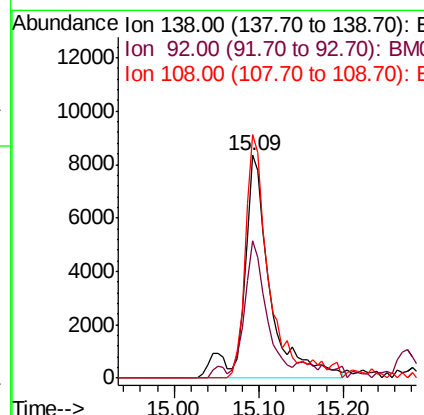
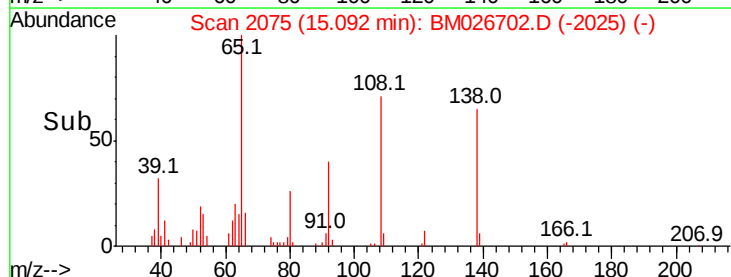
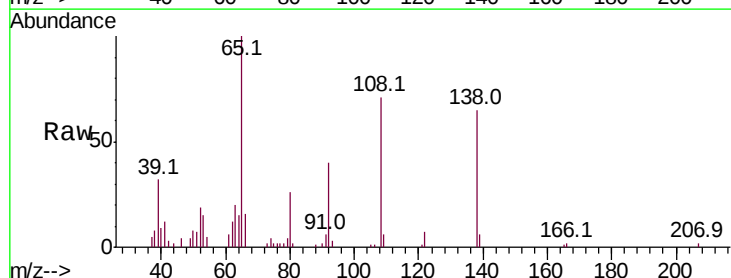
Manual Integrations
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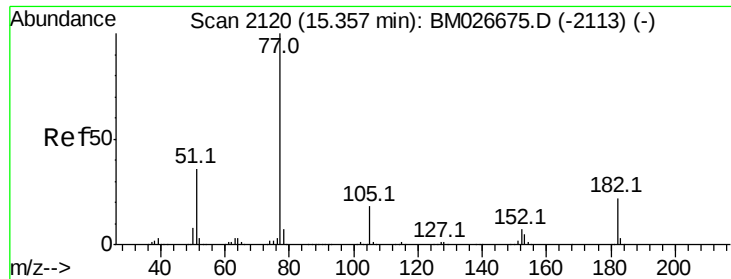
mohammad
7/9/2020 10:59:42 AM



#62
4-Nitroaniline
Concen: 4.687 ng m
RT: 15.09 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
138	100		
92	61.6	41.5	81.5
108	109.3	84.8	124.8





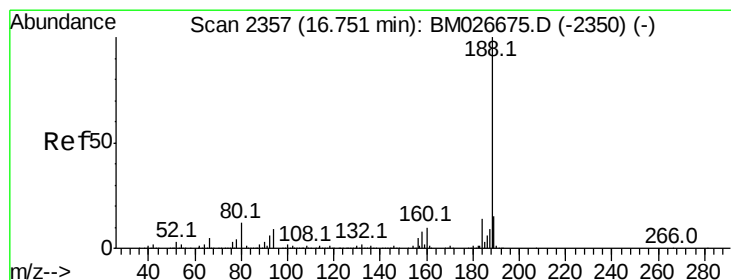
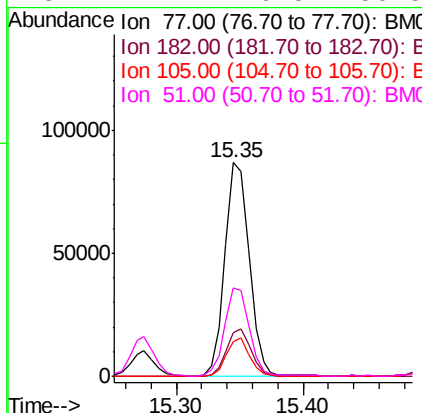
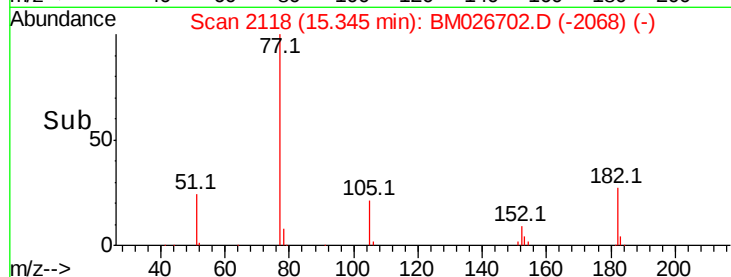
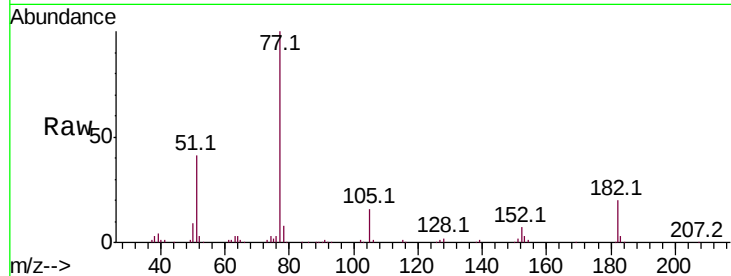
#63
Azobenzene
Concen: 6.211 ng
RT: 15.35 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	20.3	1.6	41.6	
105	16.1	0.0	37.8	
51	41.2	16.5	56.5	

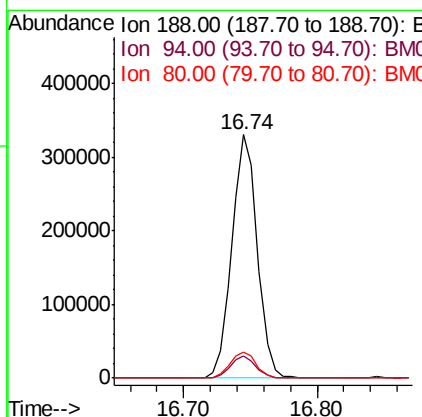
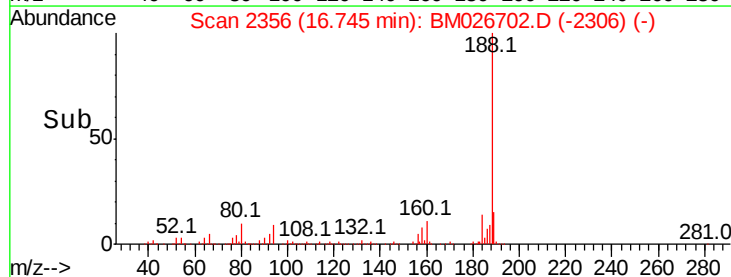
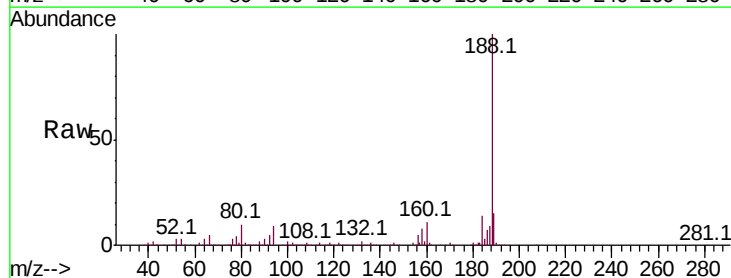
Manual Integrations
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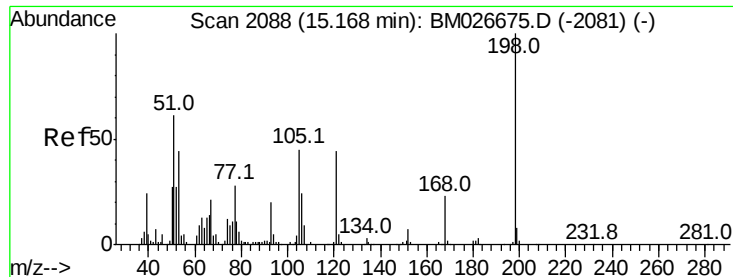
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.0	7.4	11.0	
80	10.5	9.3	13.9	





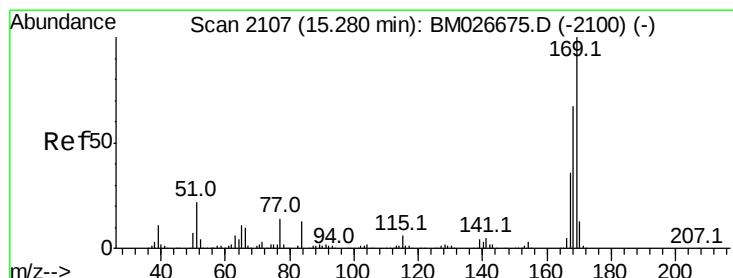
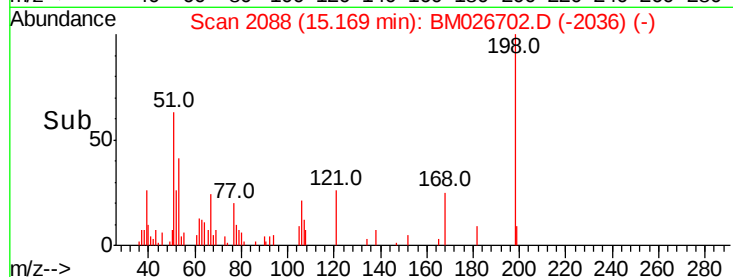
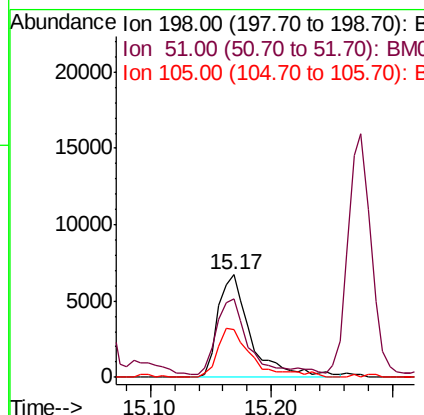
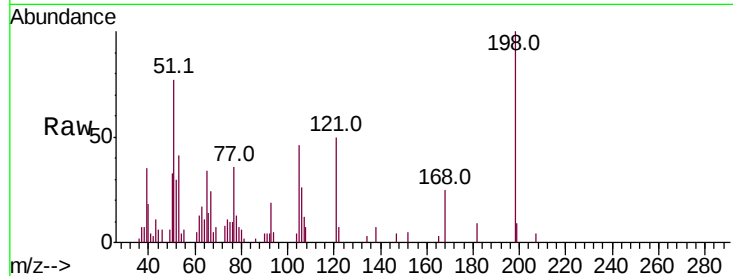
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.246 ng
 RT: 15.17 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
198	100		
51	76.6	42.0	82.0
105	46.3	24.9	64.9

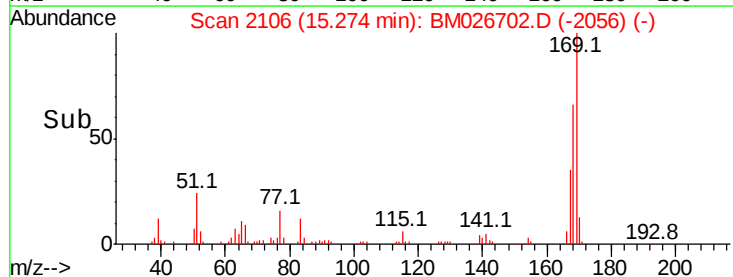
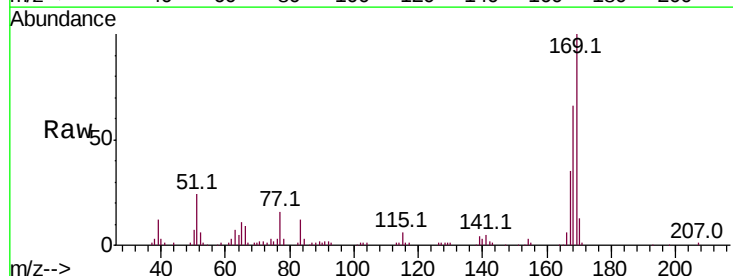
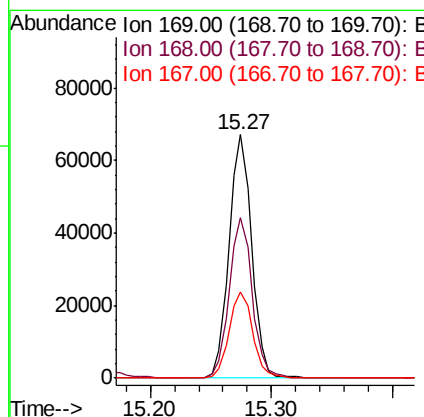
Manual Integrations
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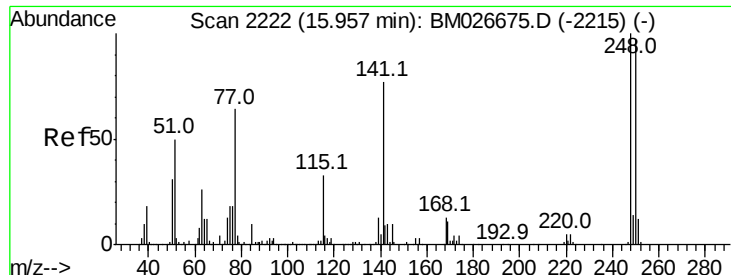
mohammad
 7/9/2020 10:59:42 AM



#66
 n-Nitrosodiphenylamine
 Concen: 6.292 ng
 RT: 15.27 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.8	80.8
167	35.2	28.6	43.0





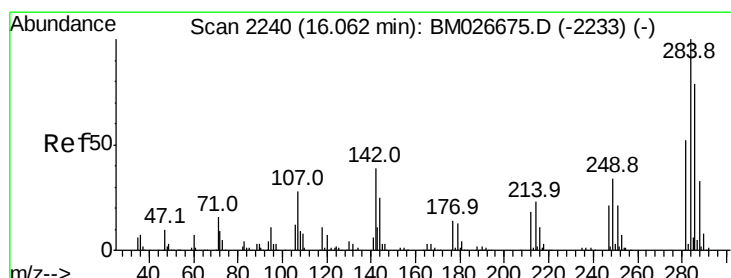
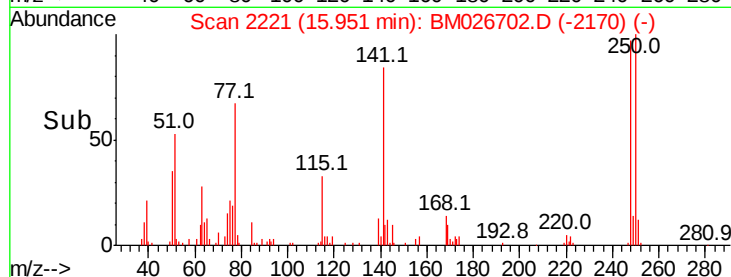
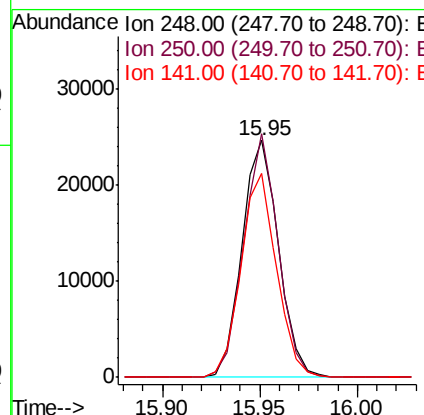
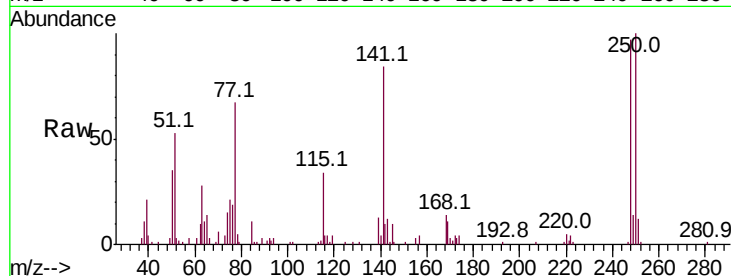
#67
4-Bromophenyl-phenylether
Concen: 5.848 ng
RT: 15.95 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	102.7	77.4	116.2
141	86.1	61.9	92.9

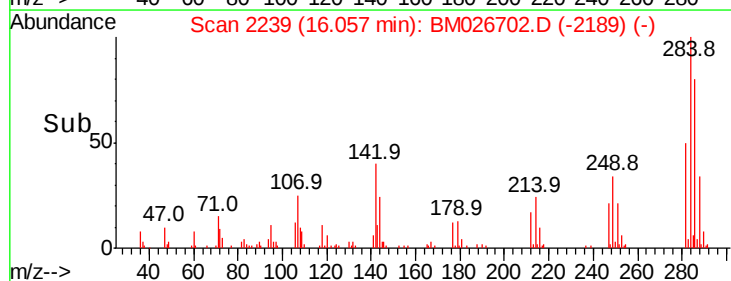
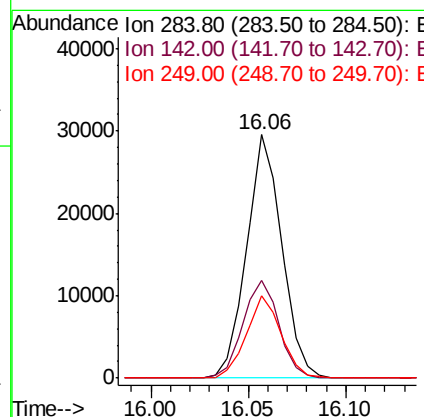
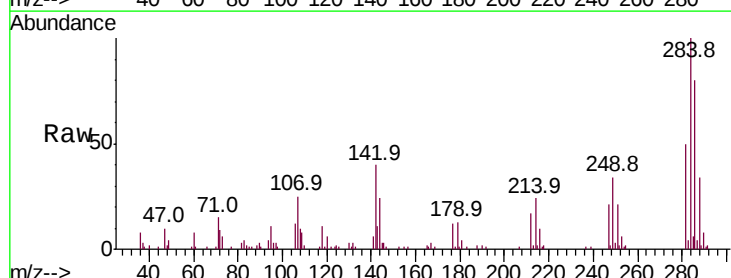
Manual Integrations
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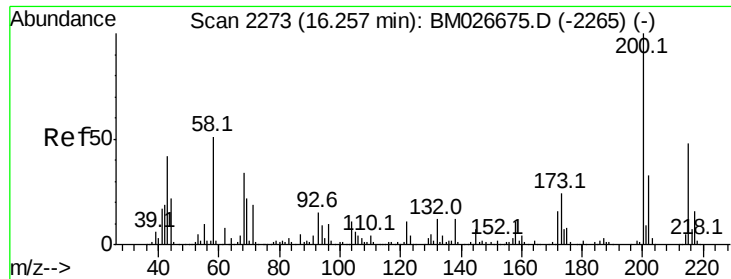
mohammad
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#68
Hexachlorobenzene
Concen: 6.414 ng
RT: 16.06 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.0	31.1	46.7
249	33.8	27.4	41.0





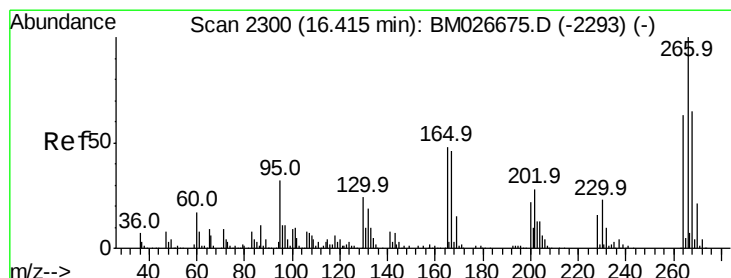
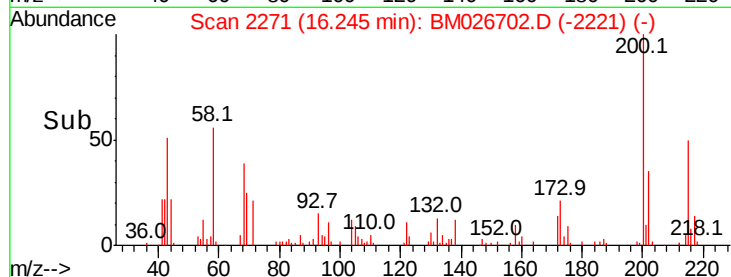
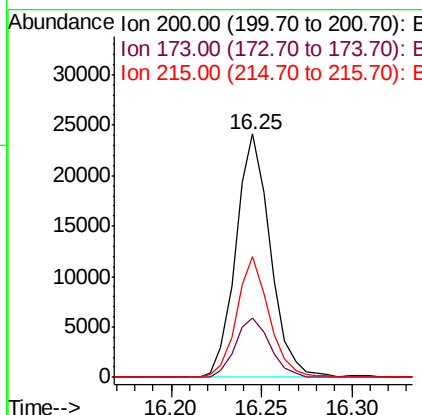
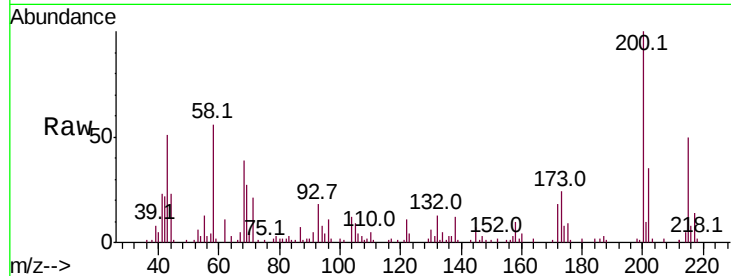
#69
Atrazine
Concen: 7.606 ng
RT: 16.25 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.2	4.5	44.5
215	49.7	28.4	68.4

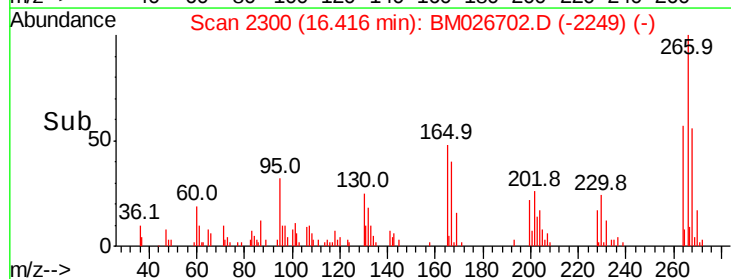
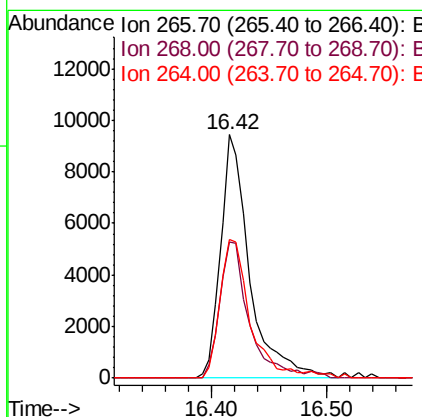
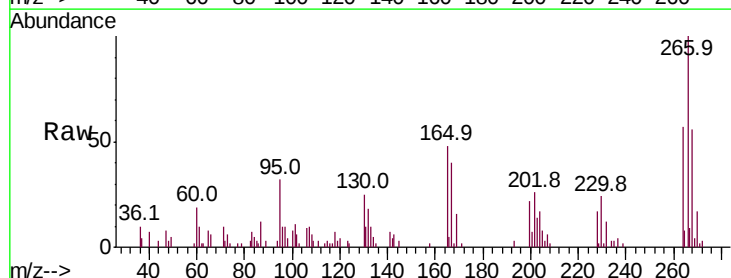
Manual Integrations
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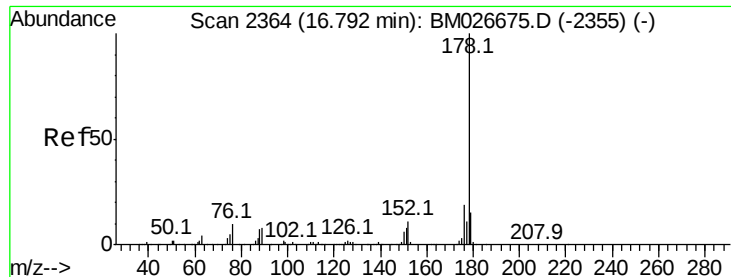
mohammad
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#70
Pentachlorophenol
Concen: 5.085 ng
RT: 16.42 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
266	100		
268	56.1	51.8	77.6
264	56.7	50.1	75.1





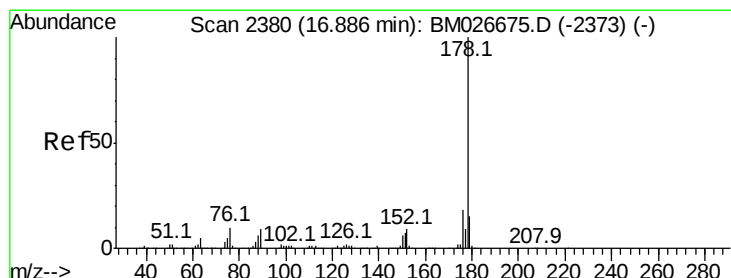
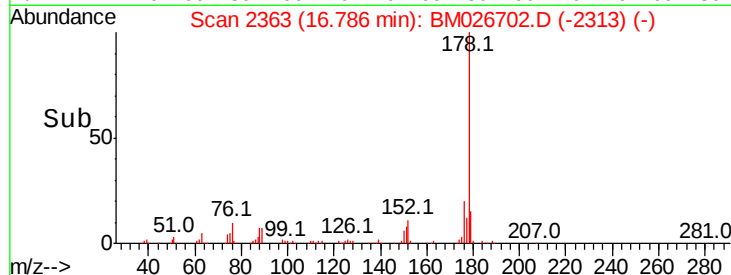
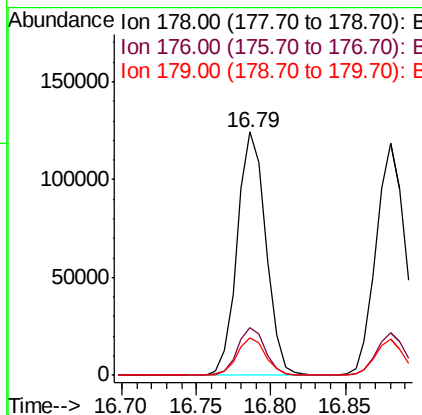
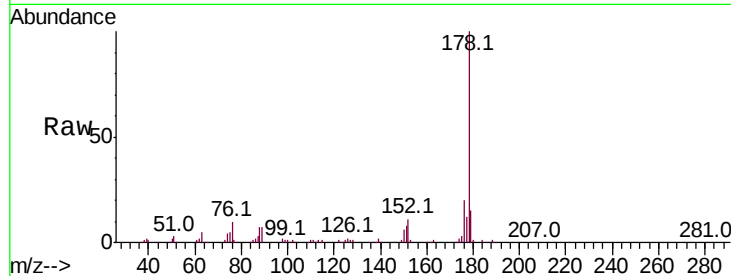
#71
Phenanthrene
Concen: 6.447 ng
RT: 16.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.0	22.6
179	15.4	12.1	18.1

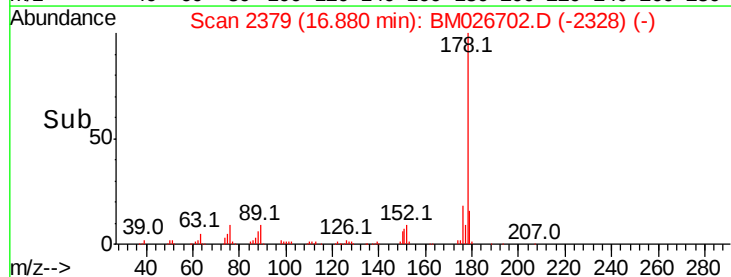
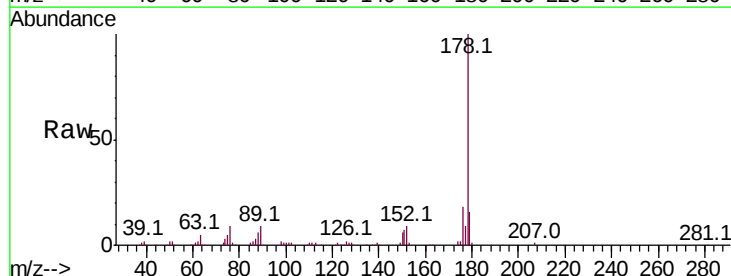
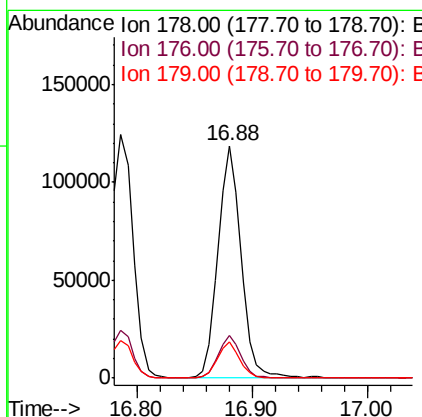
Manual Integrations
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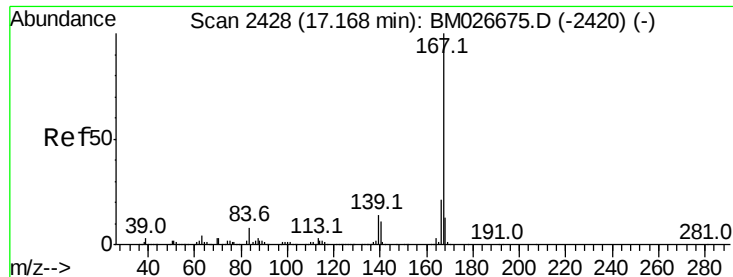
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#72
Anthracene
Concen: 6.362 ng
RT: 16.88 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.7	12.1	18.1





#73
 Carbazole
 Concen: 5.907 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

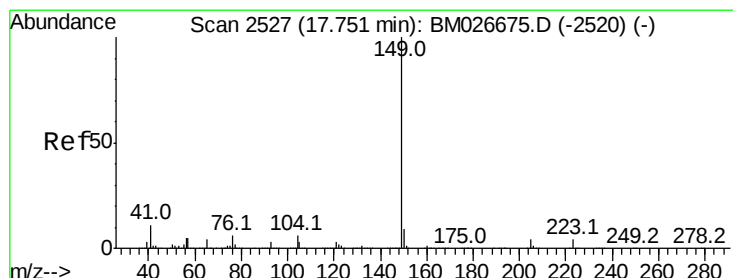
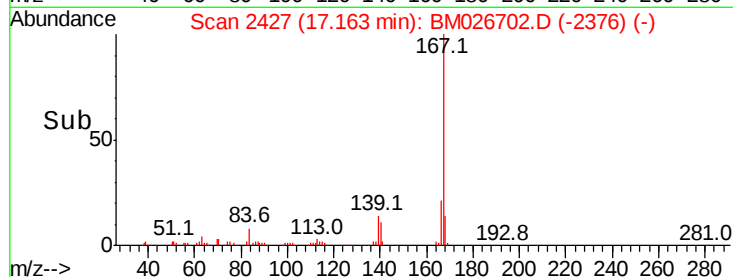
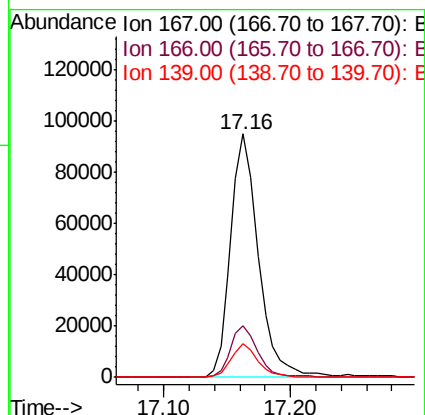
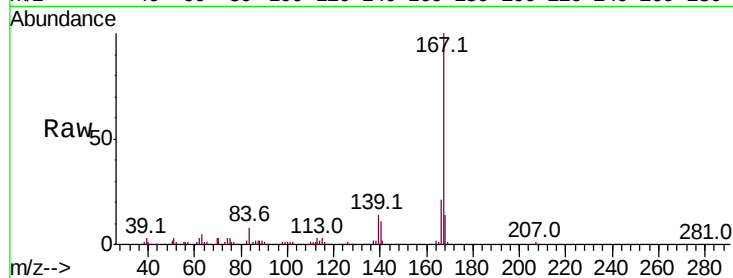
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.9	25.3
139	14.0	10.8	16.2

Manual Integrations
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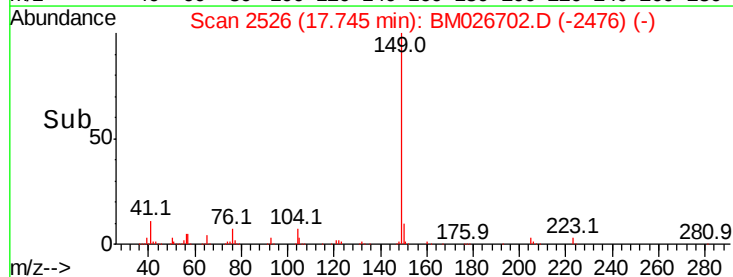
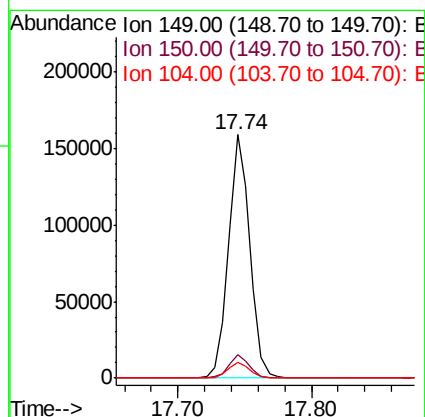
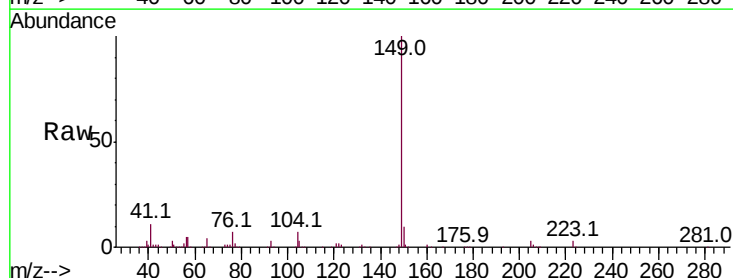
mohammad

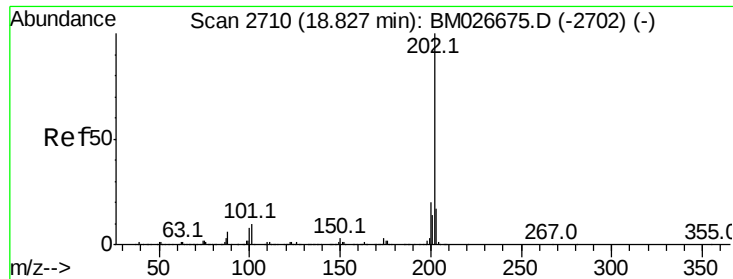
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#74
 Di-n-butylphthalate
 Concen: 5.807 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.3	10.9
104	6.7	5.0	7.4





#75

Fluoranthene

Concen: 6.401 ng

RT: 18.82 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

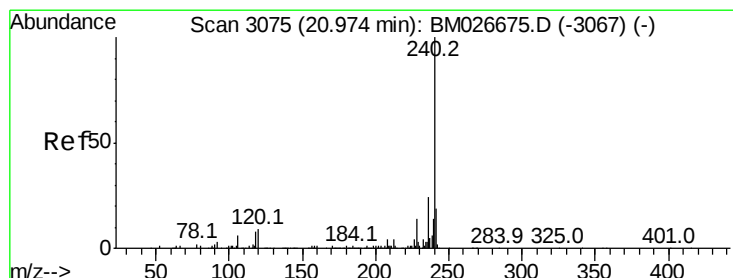
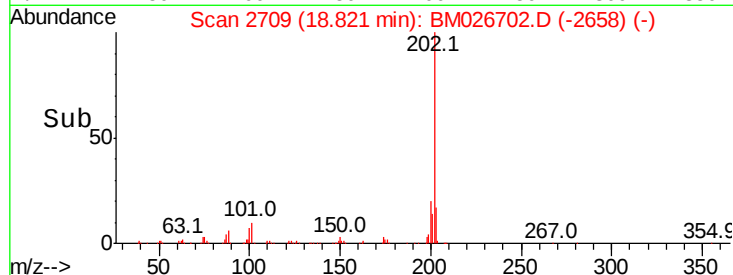
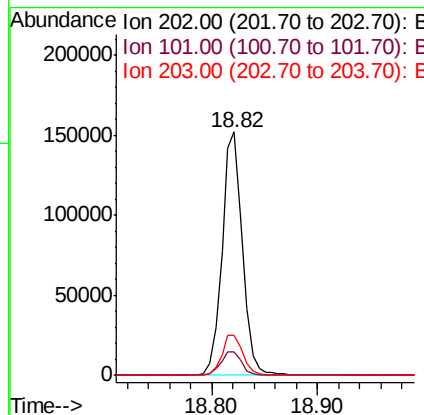
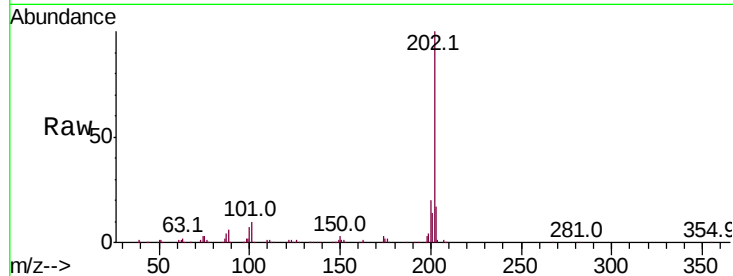
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.9	0.0	30.1	
203	16.5	0.0	37.2	

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#76

Chrysene-d12

Concen: 20.000 ng

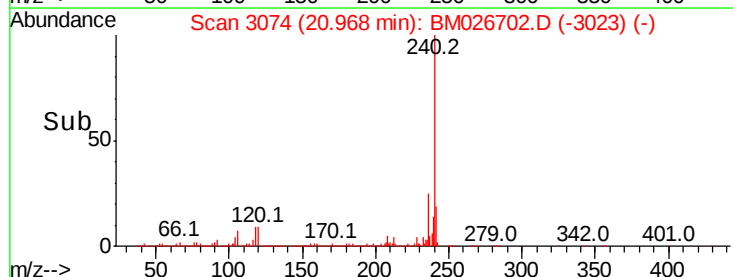
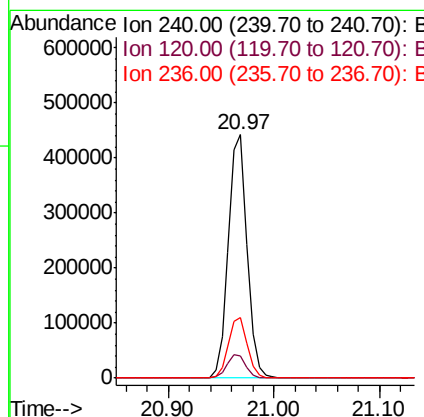
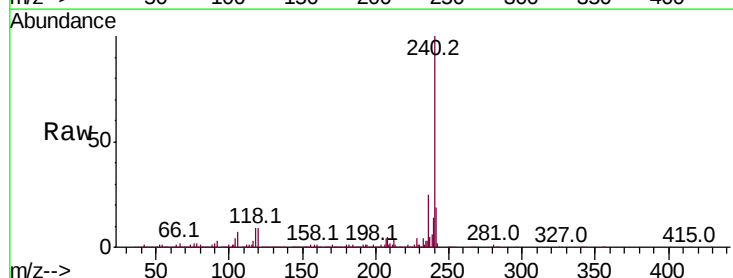
RT: 20.97 min Scan# 3074

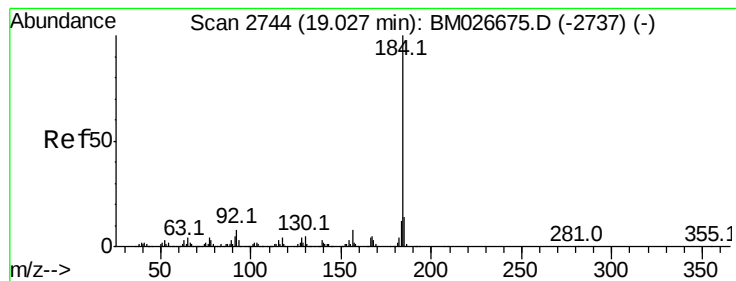
Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.1	7.3	10.9	
236	24.9	19.4	29.2	





#77

Benzidine

Concen: 7.244 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

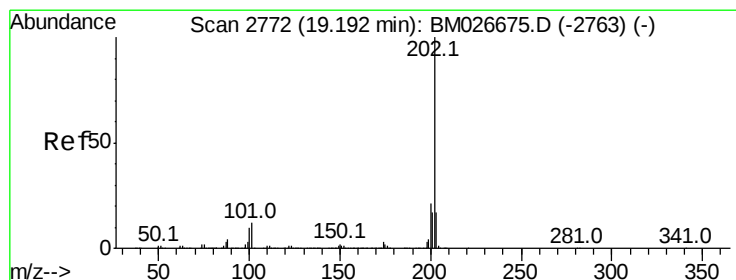
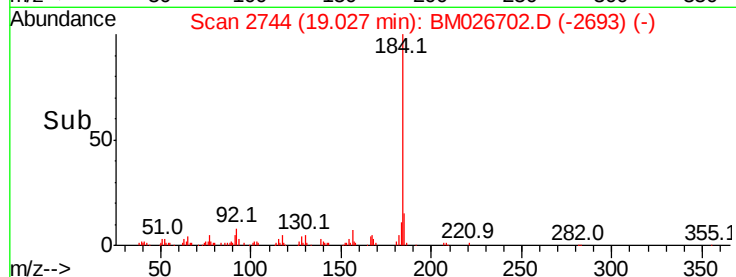
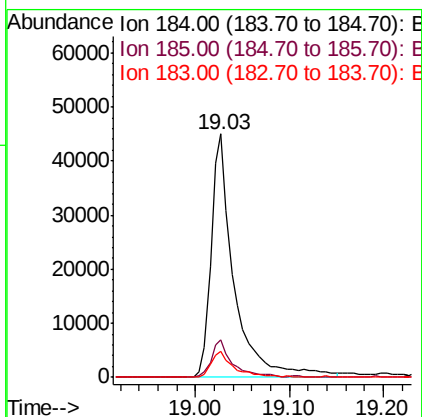
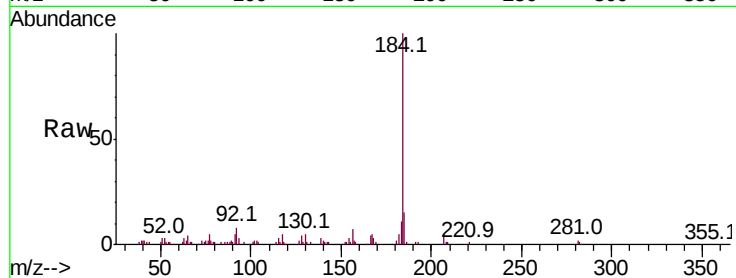
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	77475
Ion Ratio	Lower	Upper	
184	100		
185	15.5	10.9	16.3
183	10.9	9.3	13.9

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#78

Pyrene

Concen: 6.261 ng

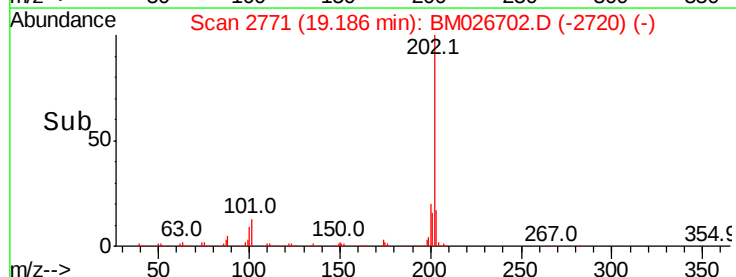
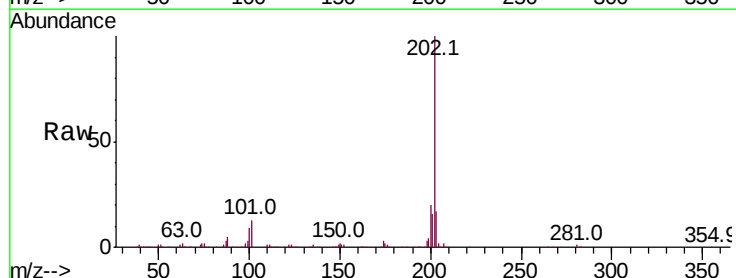
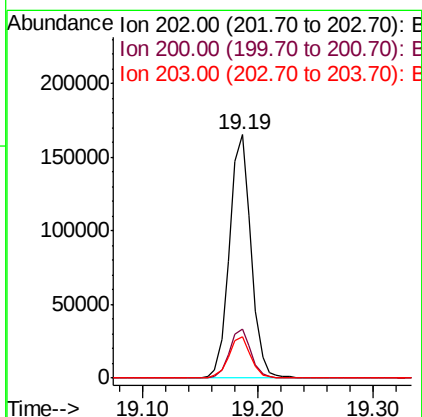
RT: 19.19 min Scan# 2771

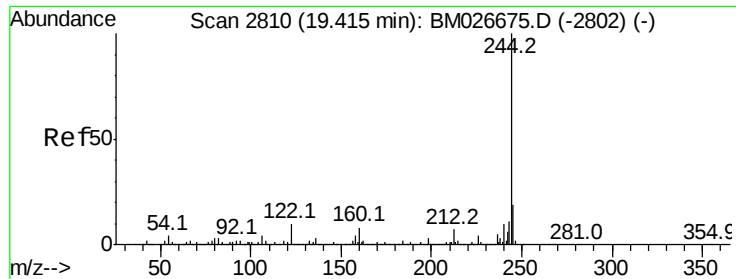
Delta R.T. 0.00 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	202	Resp:	213957
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.6	24.8
203	16.8	13.7	20.5





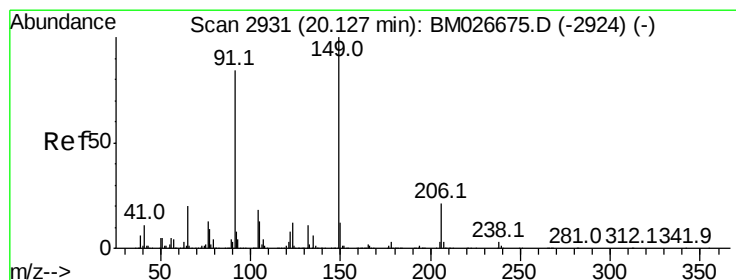
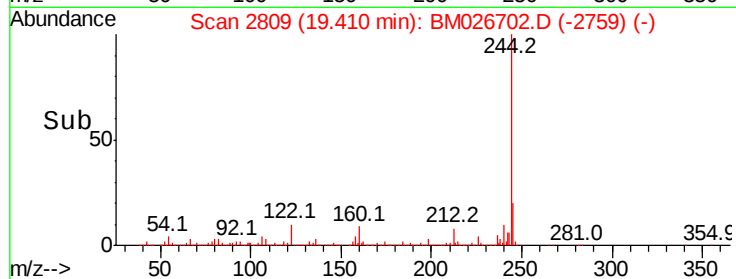
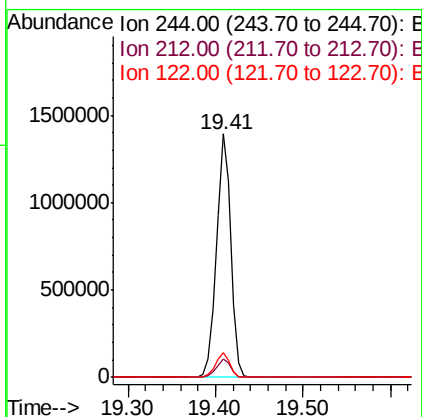
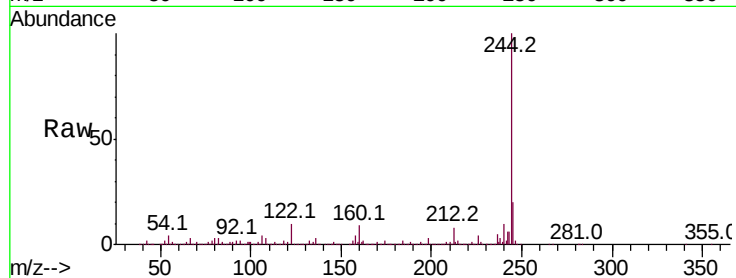
#79
 Terphenyl-d14
 Concen: 57.405 ng
 RT: 19.41 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	10.3	8.2	12.4

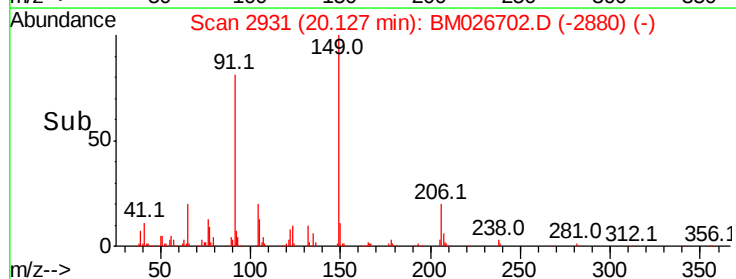
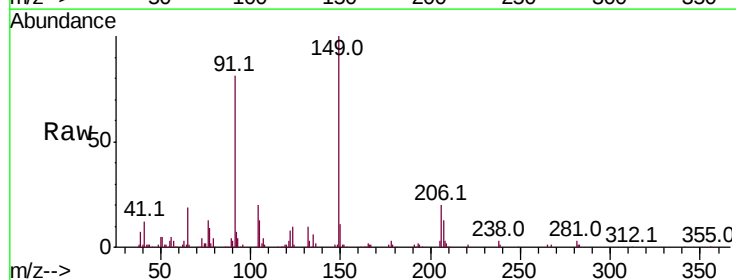
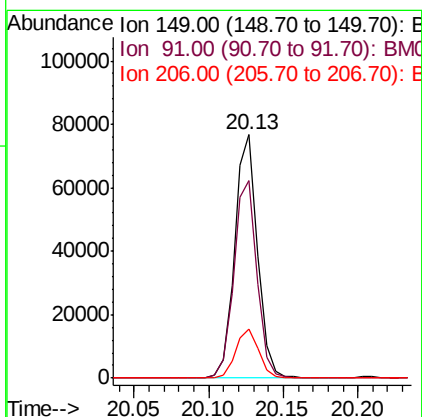
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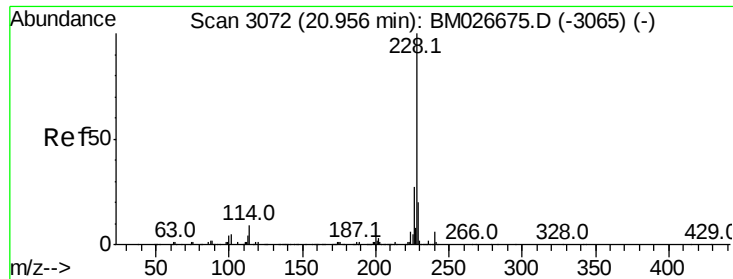
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#80
 Butylbenzylphthalate
 Concen: 5.363 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026702.D
 Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.1	67.6	101.4
206	20.2	16.7	25.1





#81

Benzo(a)anthracene

Concen: 6.424 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

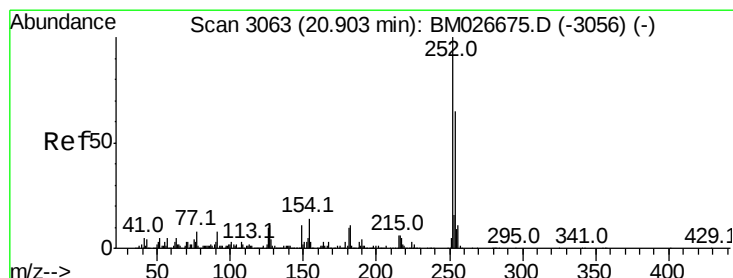
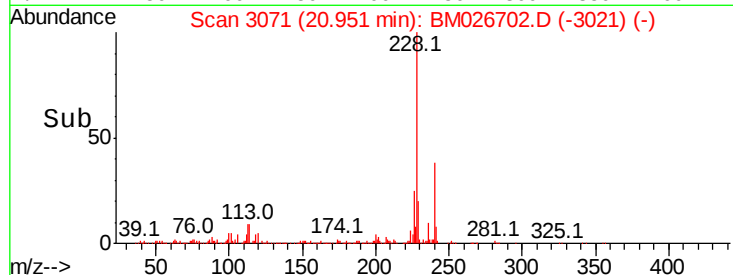
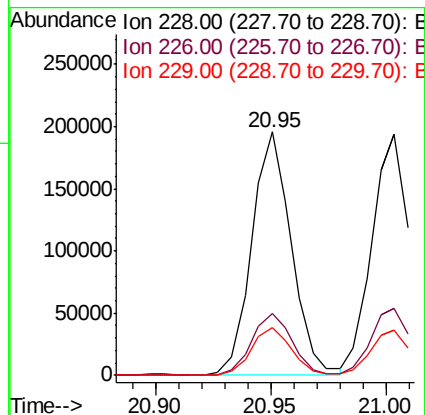
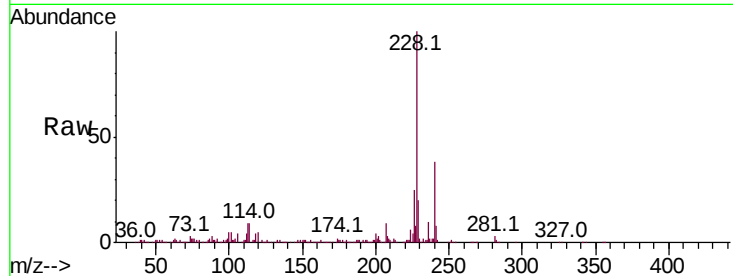
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	228	Resp:	234118
Ion Ratio	Lower	Upper	
228	100		
226	25.4	21.4	32.2
229	19.8	15.6	23.4

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#82

3,3'-Dichlorobenzidine

Concen: 6.543 ng

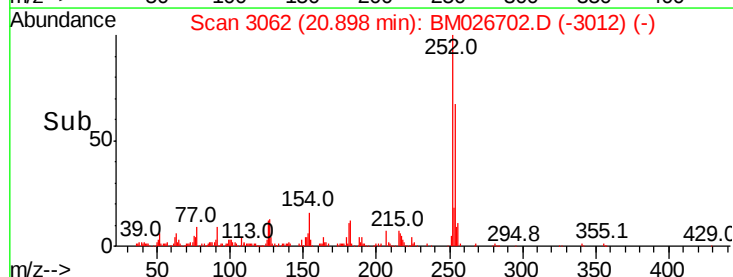
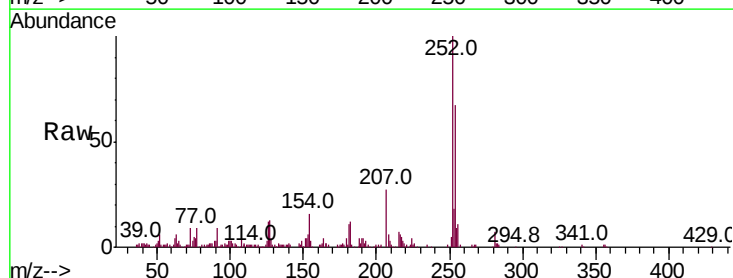
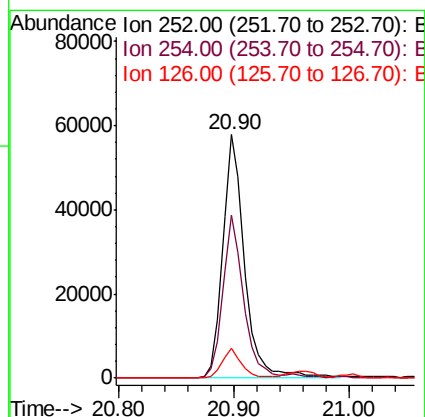
RT: 20.90 min Scan# 3062

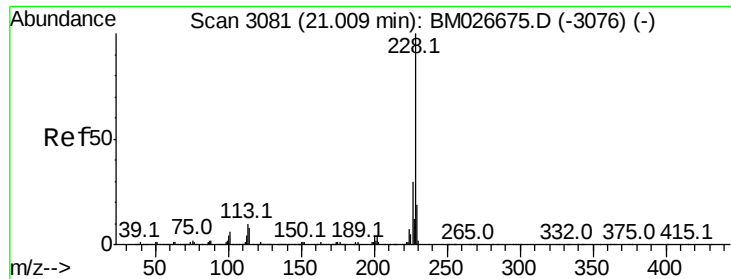
Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	252	Resp:	75683
Ion Ratio	Lower	Upper	
252	100		
254	67.0	51.9	77.9
126	12.3	8.2	12.2#





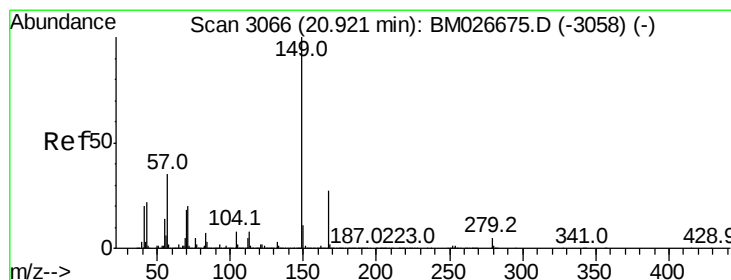
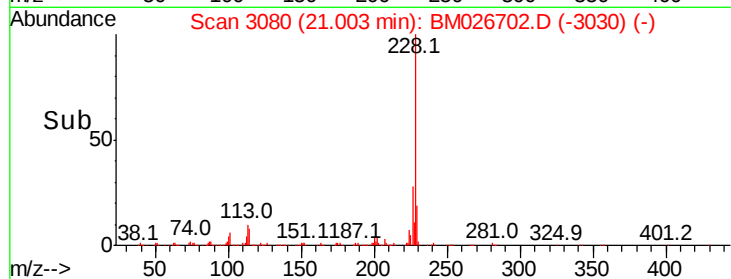
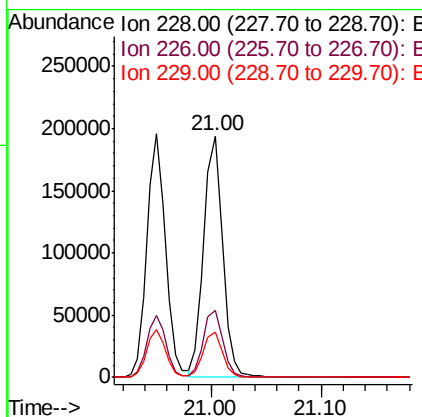
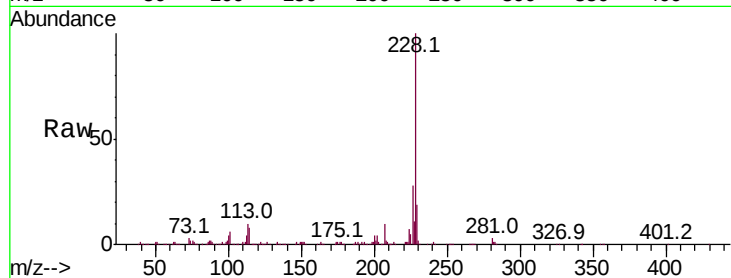
#83
Chrysene
Concen: 6.368 ng
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.7	35.5
229	18.9	15.4	23.0

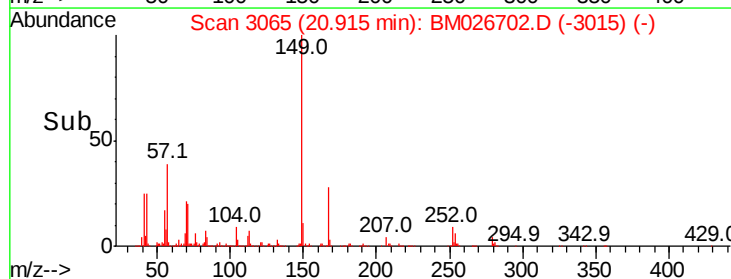
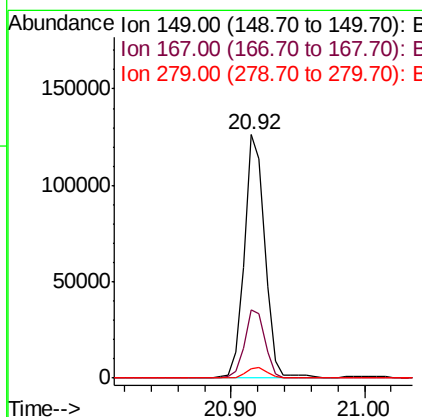
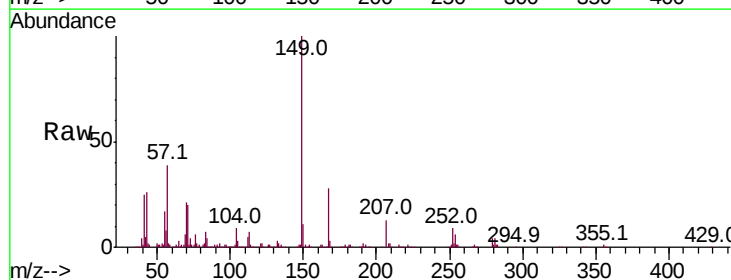
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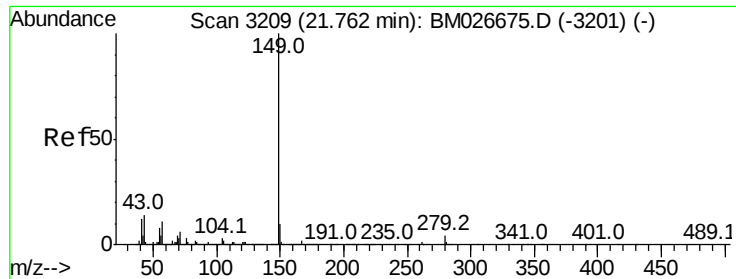
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.385 ng
RT: 20.92 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.9	32.9
279	4.1	3.7	5.5





#85
Di-n-octyl phthalate
Concen: 5.367 ng
RT: 21.76 min Scan# 3209
Delta R.T. 0.00 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

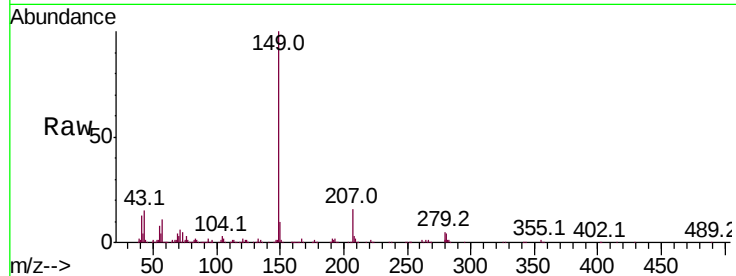
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
149	100	225370		
167	1.6		1.3	1.9
43	15.8		11.2	16.8

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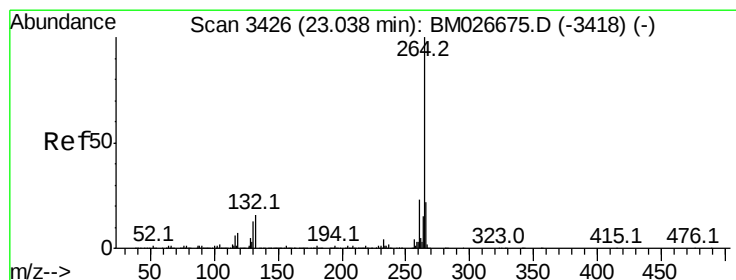
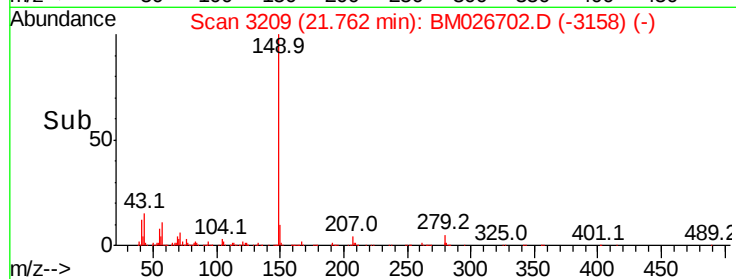
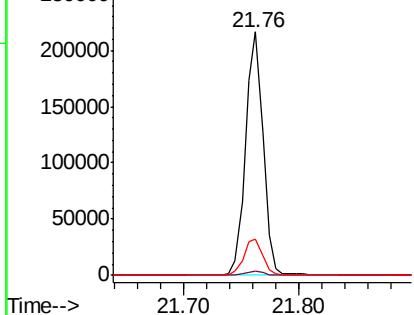


Abundance

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: 23.03 min Scan# 3425
Delta R.T. -0.01 min
Lab File: BM026702.D
Acq: 08 Jul 2020 11:54

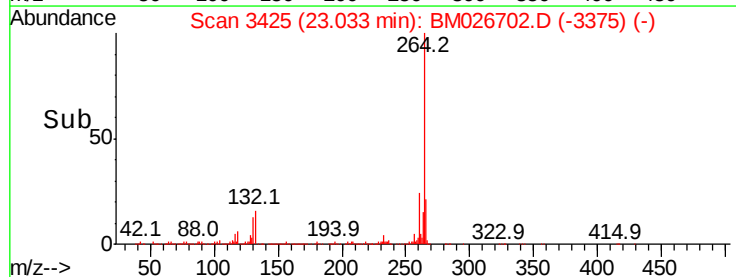
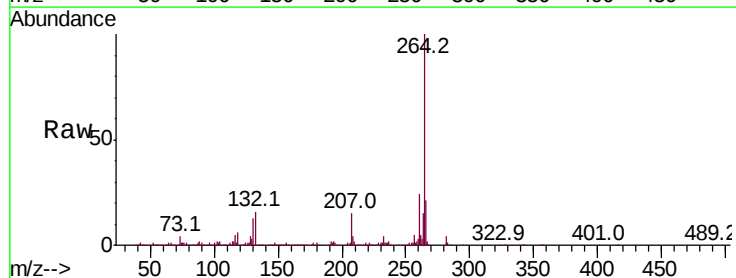
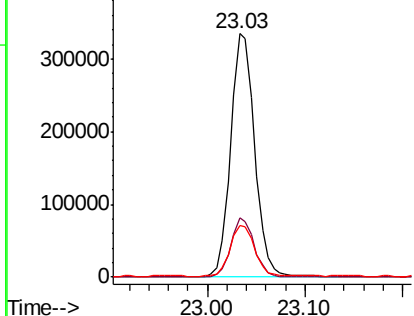
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	572731		
260	24.1		18.2	27.2
265	21.4		17.6	26.4

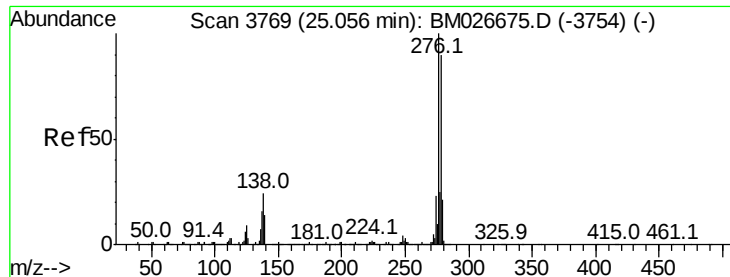
Abundance

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: 6.636 ng

RT: 25.04 min Scan# 3766

Delta R.T. -0.02 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :
BNA_M

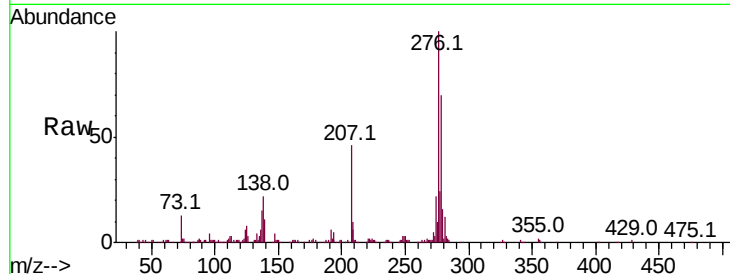
Client Sample ID :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.4	27.6
277	24.6	20.0	30.0

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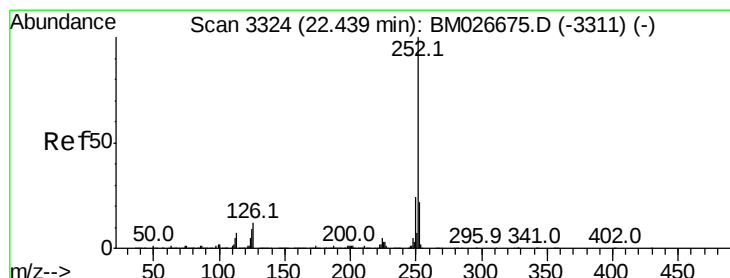
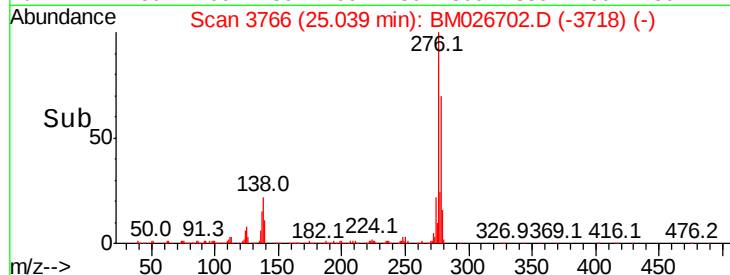
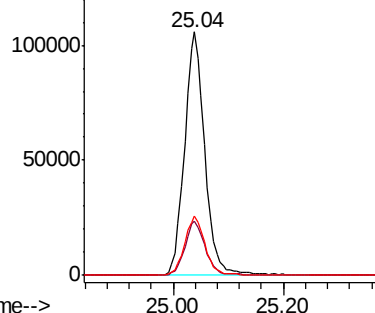


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 6.231 ng

RT: 22.43 min Scan# 3323

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

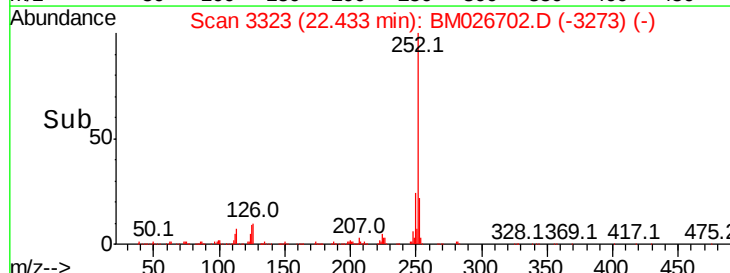
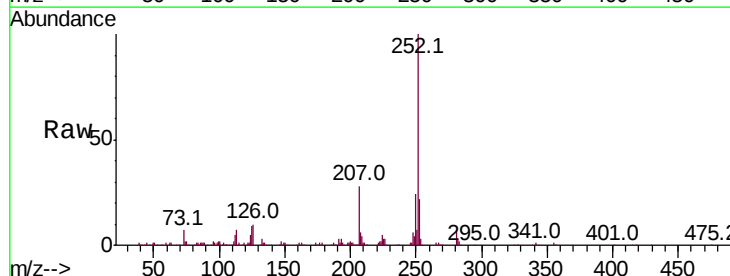
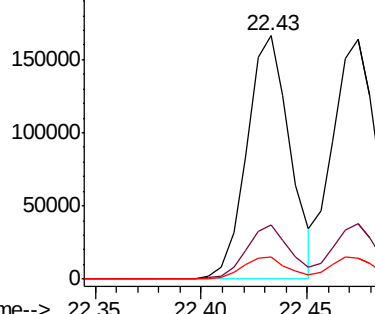
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.9	7.5	11.3

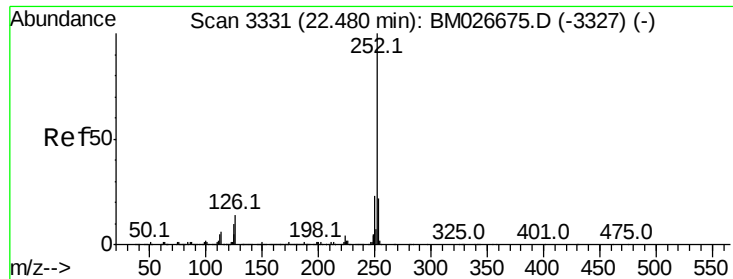
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.534 ng

RT: 22.47 min Scan# 3330

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

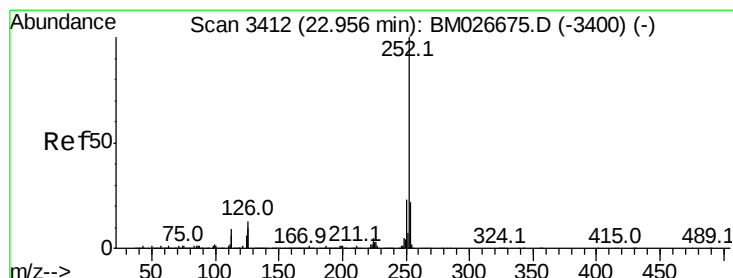
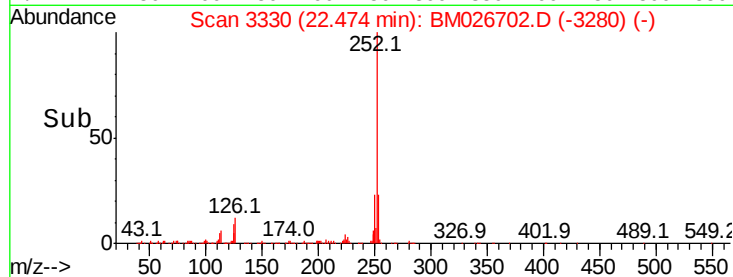
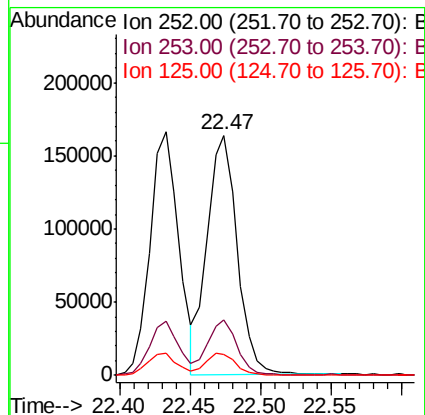
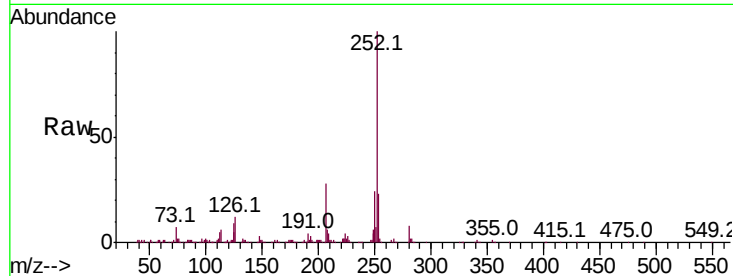
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	252	Resp:	241856
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	8.7	7.8	11.8

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#90

Benzo(a)pyrene

Concen: 6.038 ng

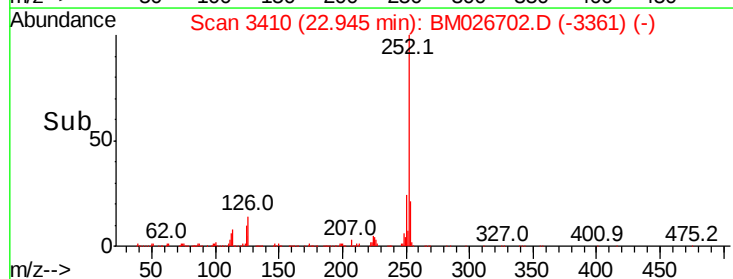
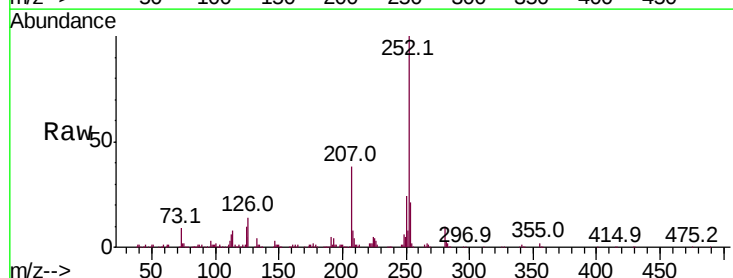
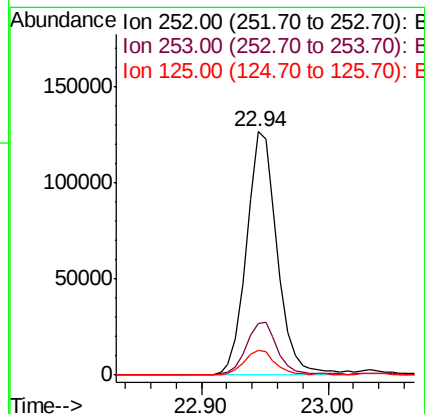
RT: 22.94 min Scan# 3410

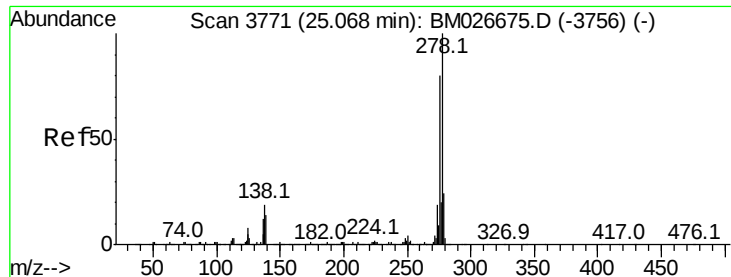
Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	252	Resp:	211524
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.4	26.2
125	10.2	8.2	12.4





#91

Dibenzo(a,h)anthracene

Concen: 6.709 ng

RT: 25.05 min Scan# 3768

Delta R.T. -0.01 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Instrument :

BNA_M

ClientSampleId :

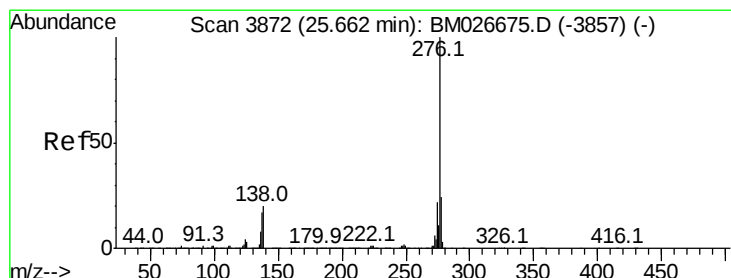
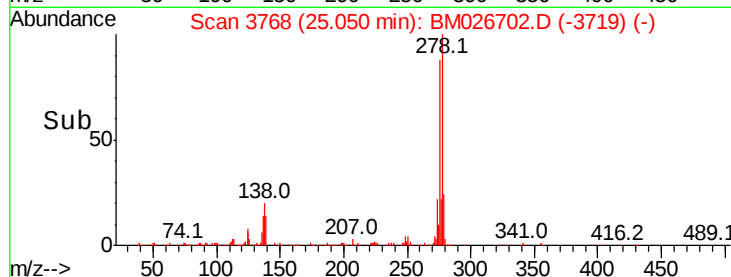
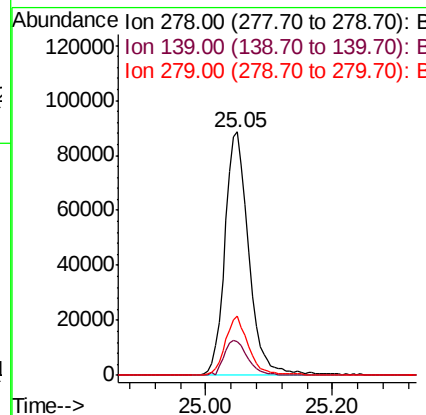
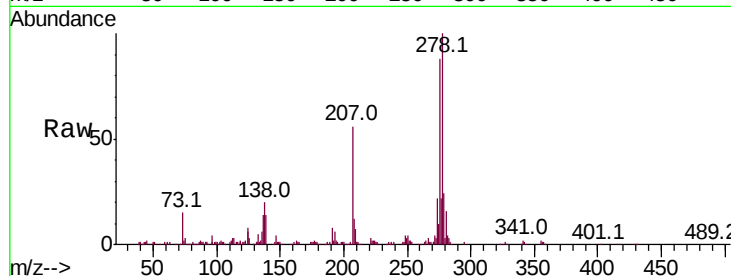
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	278	Resp:	230932
Ion Ratio	Lower	Upper	
278	100		
139	13.6	11.2	16.8
279	24.3	19.0	28.4

Manual Integrations
APPROVED

mohammad

7/9/2020 10:59:42 AM



#92

Benzo(g,h,i)perylene

Concen: 7.108 ng

RT: 25.64 min Scan# 3869

Delta R.T. -0.02 min

Lab File: BM026702.D

Acq: 08 Jul 2020 11:54

Tgt Ion:	276	Resp:	225430
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.1	28.7
138	19.5	15.8	23.8

