

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070920\
 Data File : BM026700.D
 Acq On : 08 Jul 2020 10:13
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 08 10:58:07 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 10:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	50502	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	231119	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	163994	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	387238	20.00	ng	0.00
76) Chrysene-d12	20.97	240	475372	20.00	ng	0.00
86) Perylene-d12	23.04	264	521346	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.96	112	444851	147.64	ng	0.00
7) Phenol-d6	6.53	99	664282	138.37	ng	-0.01
23) Nitrobenzene-d5	8.47	82	396557	73.20	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	384783	161.07	ng	0.00
45) 2-Fluorobiphenyl	12.59	172	904277	73.32	ng	0.00
79) Terphenyl-d14	19.41	244	1374910	56.92	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.96	88	6217	4.294	ng	# 95
3) Pyridine	3.39	79	9926	2.397	ng	# 85
4) n-Nitrosodimethylamine	3.29	42	8981m	3.624	ng	
6) Aniline	6.67	93	20776	3.526	ng	97
8) 2-Chlorophenol	6.90	128	12348	3.440	ng	97
9) Benzaldehyde	6.50	77	14267	5.355	ng	92
10) Phenol	6.56	94	16557	3.490	ng	# 74
11) bis(2-Chloroethyl)ether	6.78	93	13651	3.441	ng	97
12) 1,3-Dichlorobenzene	7.22	146	13914	3.566	ng	93
13) 1,4-Dichlorobenzene	7.36	146	13561	3.415	ng	96
14) 1,2-Dichlorobenzene	7.67	146	13805	3.490	ng	97
15) Benzyl Alcohol	7.59	79	11677	2.843	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.86	45	28444	3.474	ng	99
17) 2-Methylphenol	7.79	107	10263	2.846	ng	# 84
18) Hexachloroethane	8.37	117	5284	3.350	ng	94
19) n-Nitroso-di-n-propylamine	8.15	70	12410	3.107	ng	# 98
20) 3+4-Methylphenols	8.13	107	13998	2.824	ng	93
22) Acetophenone	8.15	105	22656	3.450	ng	# 92
24) Nitrobenzene	8.52	77	20008	3.511	ng	99
25) Isophorone	9.05	82	33265	3.202	ng	# 98
26) 2-Nitrophenol	9.23	139	5646	2.684	ng	# 88
27) 2,4-Dimethylphenol	9.30	122	11118	3.251	ng	97
28) bis(2-Chloroethoxy)methane	9.53	93	18514	3.226	ng	# 98
29) 2,4-Dichlorophenol	9.77	162	9990	2.652	ng	95
30) 1,2,4-Trichlorobenzene	9.96	180	14746	3.509	ng	96
31) Naphthalene	10.13	128	44610	3.470	ng	99
32) Benzoic acid	9.45	122	1495m	0.576	ng	
33) 4-Chloroaniline	10.27	127	15999	2.845	ng	92
34) Hexachlorobutadiene	10.42	225	8922	3.206	ng	95
35) Caprolactam	11.06	113	3534	2.649	ng	# 88
36) 4-Chloro-3-methylphenol	11.41	107	13042	2.740	ng	93
37) 2-Methylnaphthalene	11.76	142	31632	3.322	ng	96
38) 1-Methylnaphthalene	11.99	142	30831	3.380	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	18211	3.435	ng	99

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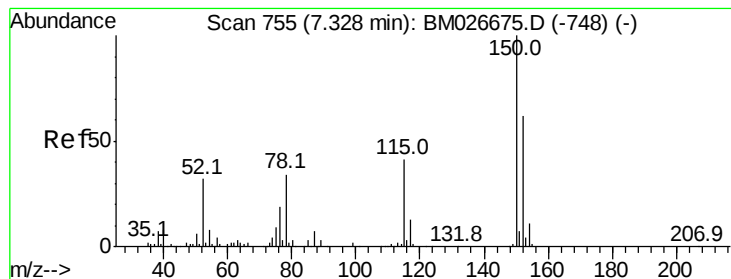
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	4026	1.592	nq	94
43) 2,4,6-Trichlorophenol	12.41	196	9357	2.694	nq	95
44) 2,4,5-Trichlorophenol	12.49	196	10303	2.525	nq	96
46) 1,1'-Biphenyl	12.81	154	47396	3.659	nq	92
47) 2-Chloronaphthalene	12.84	162	34207	3.269	nq	98
48) 2-Nitroaniline	13.07	65	10419	2.419	nq	86
49) Acenaphthylene	13.70	152	52651	3.147	nq	95
50) Dimethylphthalate	13.47	163	46454	3.312	nq	98
51) 2,6-Dinitrotoluene	13.59	165	8554	2.848	nq	89
52) Acenaphthene	14.05	154	32580	3.205	nq	97
53) 3-Nitroaniline	13.93	138	6773	2.167	nq	100
54) 2,4-Dinitrophenol	14.17	184	1537m	0.874	nq	
55) Dibenzofuran	14.39	168	54323	3.259	nq	99
56) 4-Nitrophenol	14.29	139	2678m	1.092	nq	
57) 2,4-Dinitrotoluene	14.39	165	10705	2.469	nq	# 75
58) Fluorene	15.05	166	43196	3.130	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	10696	3.001	nq	# 97
60) Diethylphthalate	14.85	149	45549	3.071	nq	99
61) 4-Chlorophenyl-phenylether	15.06	204	23933	3.201	nq	98
62) 4-Nitroaniline	15.10	138	5179m	1.588	nq	
63) Azobenzene	15.35	77	49137	3.016	nq	97
65) 4,6-Dinitro-2-methylphenol	15.17	198	3879	1.473	nq	# 77
66) n-Nitrosodiphenylamine	15.27	169	37711	3.065	nq	96
67) 4-Bromophenyl-phenylether	15.95	248	14517	3.012	nq	92
68) Hexachlorobenzene	16.06	284	17248	3.400	nq	93
69) Atrazine	16.24	200	13308	3.596	nq	93
70) Pentachlorophenol	16.42	266	5594m	1.949	nq	
71) Phenanthrene	16.79	178	74155	3.244	nq	98
72) Anthracene	16.88	178	72656	3.193	nq	98
73) Carbazole	17.17	167	60038	2.767	nq	97
74) Di-n-butylphthalate	17.74	149	72867	2.671	nq	99
75) Fluoranthene	18.82	202	90147	3.202	nq	98
77) Benzidine	19.03	184	24263	2.589	nq	# 95
78) Pyrene	19.19	202	94910	3.169	nq	99
80) Butylbenzylphthalate	20.13	149	33292	2.477	nq	93
81) Benzo(a)anthracene	20.95	228	104651	3.277	nq	100
82) 3,3'-Dichlorobenzidine	20.90	252	32039	3.161	nq	97
83) Chrysene	21.00	228	105573	3.397	nq	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	55490	2.578	nq	95
85) Di-n-octyl phthalate	21.76	149	92233	2.507	nq	94
87) Indeno(1,2,3-cd)pyrene	25.04	276	125484	3.381	nq	98
88) Benzo(b)fluoranthene	22.43	252	114472	3.332	nq	98
89) Benzo(k)fluoranthene	22.47	252	106770	3.169	nq	97
90) Benzo(a)pyrene	22.95	252	97967	3.072	nq	99
91) Dibenzo(a,h)anthracene	25.05	278	109028	3.480	nq	99
92) Benzo(g,h,i)perylene	25.65	276	106787	3.699	nq	95

(#) = 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: BM026700.D

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BNA_M

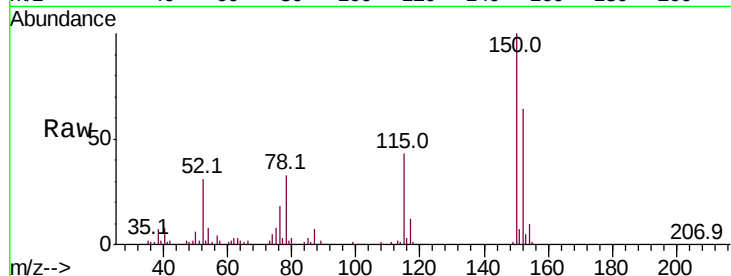
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

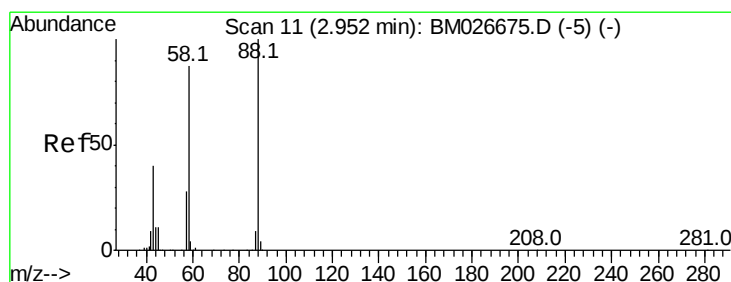
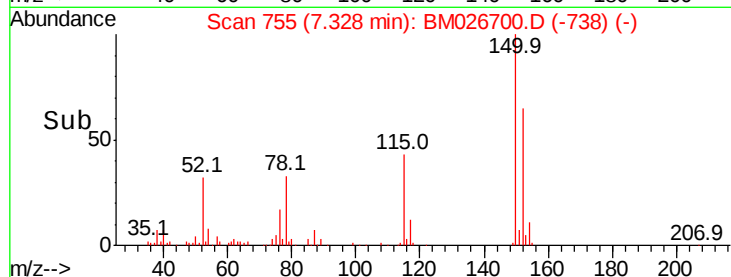
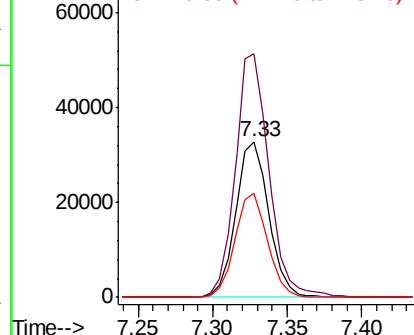
Tot Ion:	152	Resp:	50502
Ion	Ratio	Lower	Upper
152	100		
150	156.7	128.1	192.1
115	67.0	52.2	78.4

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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: 4.294 ng

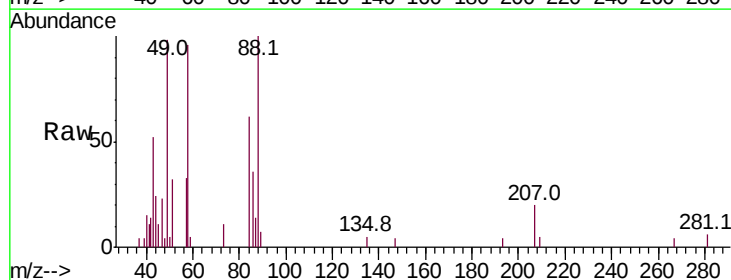
RT: 2.96 min Scan# 12

Delta R.T. 0.01 min

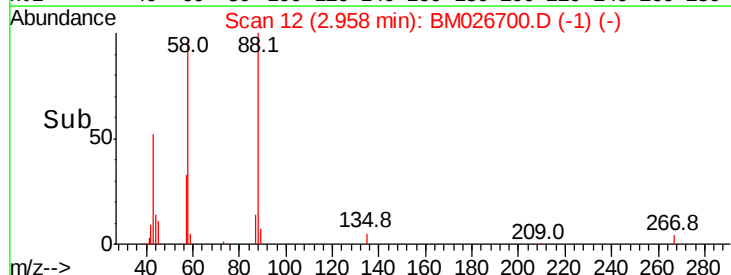
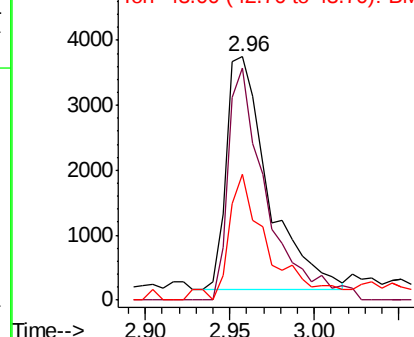
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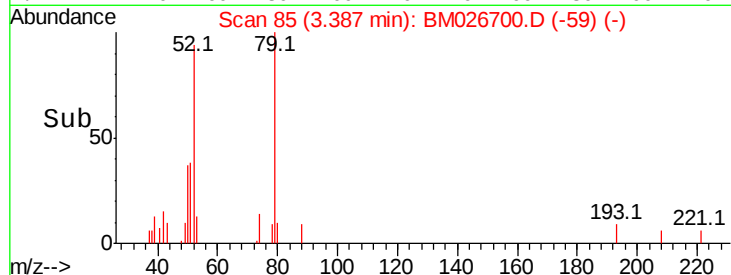
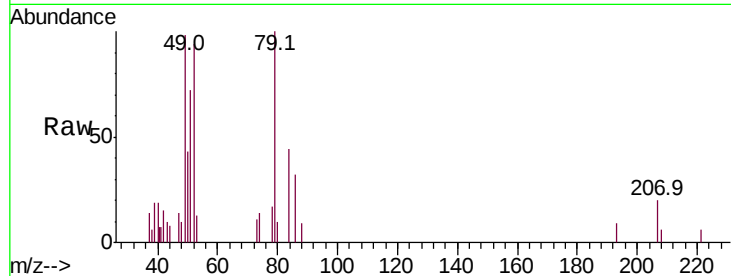
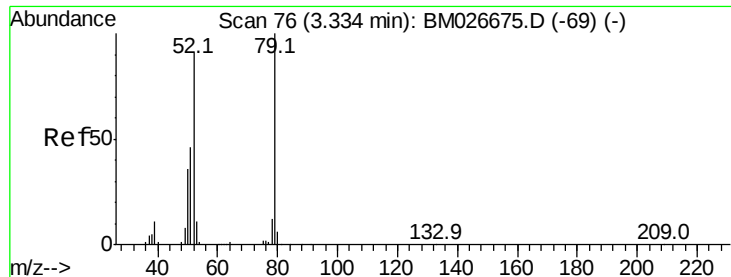
Acq: 08 Jul 2020 10:13

Tgt Ion:	88	Resp:	6217
Ion	Ratio	Lower	Upper
88	100		
58	91.6	73.2	109.8
43	52.0	34.3	51.5#



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





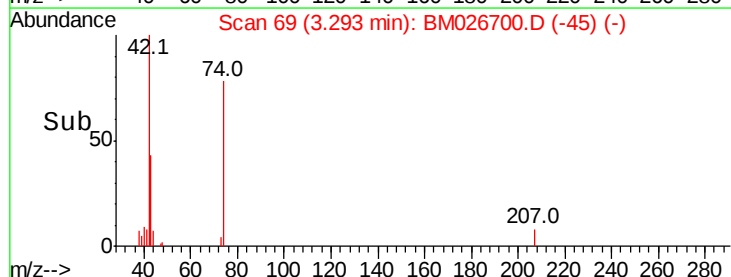
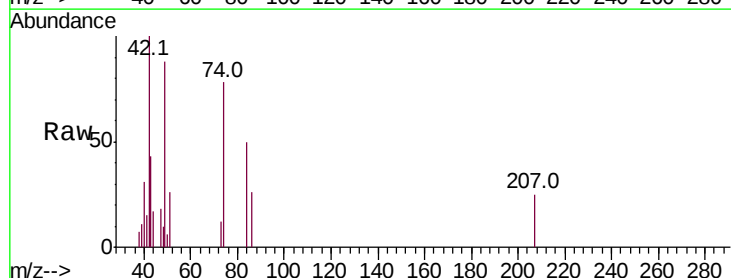
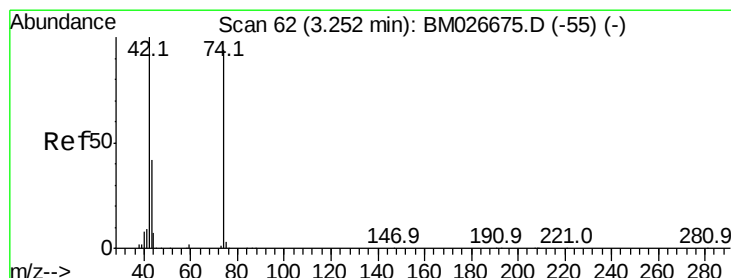
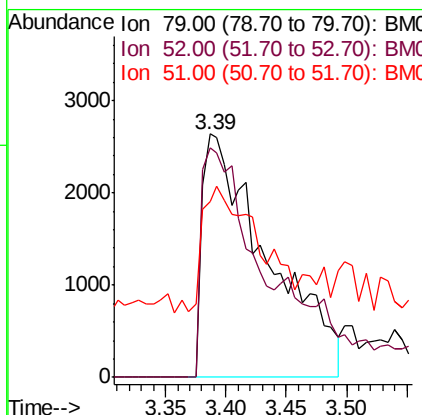
#3
Pvridine
Concen: 2.397 ng
RT: 3.39 min Scan# 85
Delta R.T. 0.05 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tot Ion	Ratio	Lower	Upper
79	100		
52	94.4	72.9	109.3
51	71.9	37.6	56.4#

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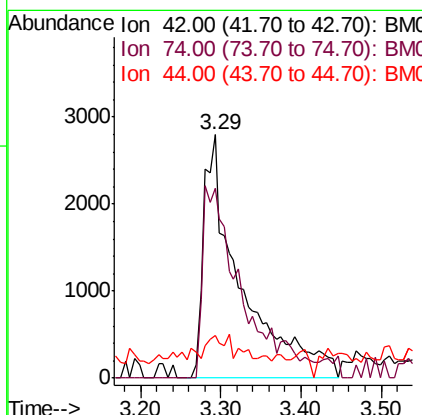
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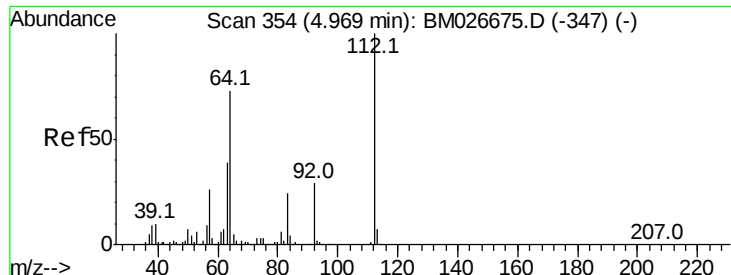
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#4
n-Nitrosodimethylamine
Concen: 3.624 ng m
RT: 3.29 min Scan# 69
Delta R.T. 0.04 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
42	100		
74	78.1	75.1	112.7
44	17.3	5.7	8.5#





#5

2-Fluorophenol

Concen: 147.640 ng

RT: 4.96 min Scan# 353

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

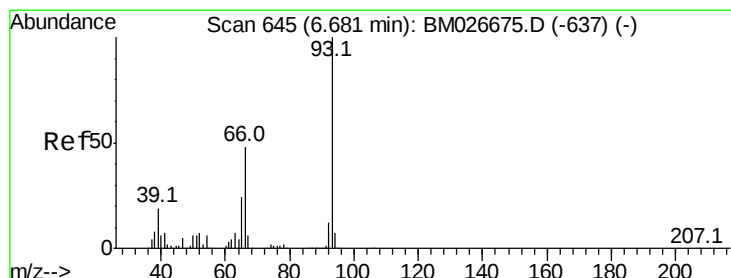
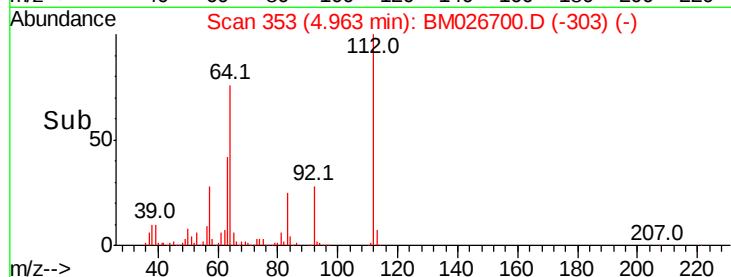
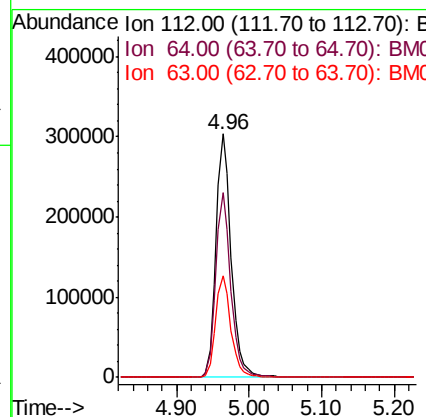
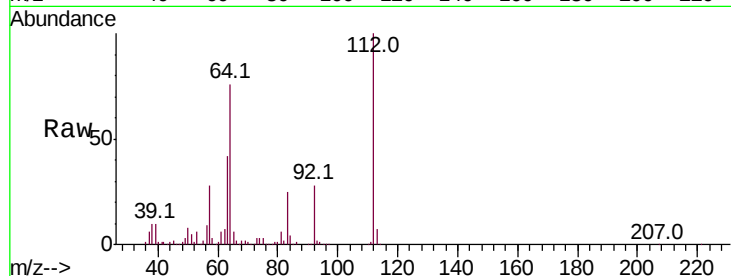
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	112	Resp:	444851
Ion Ratio	Lower	Upper	
112	100		
64	75.8	58.4	87.6
63	41.9	31.5	47.3

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#6

Aniline

Concen: 3.526 ng

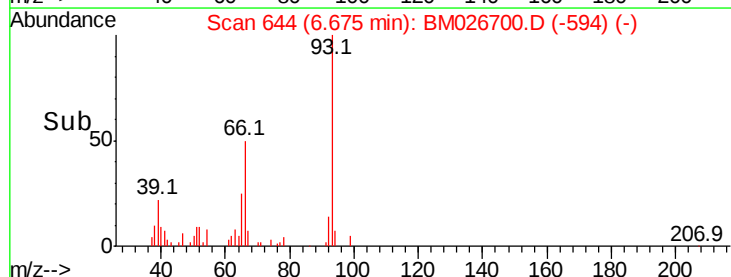
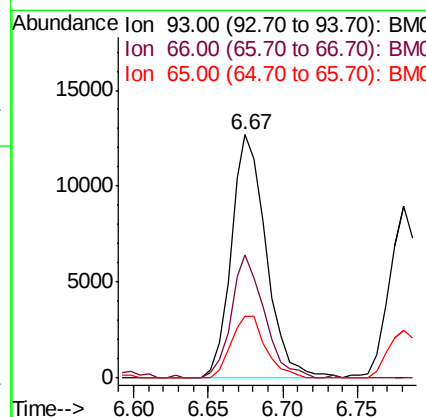
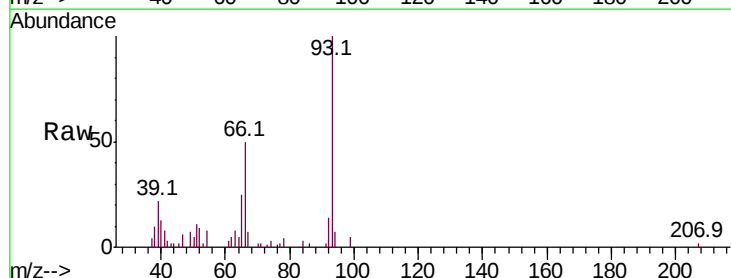
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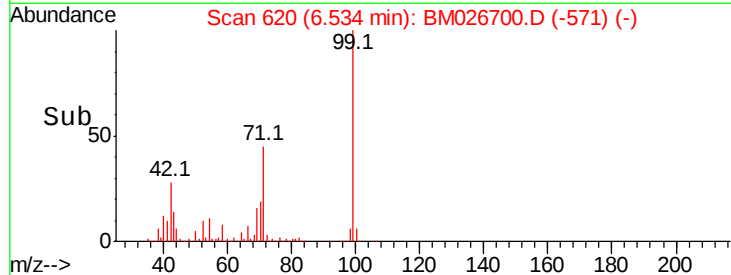
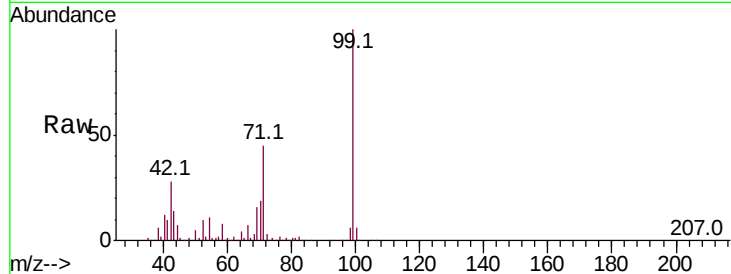
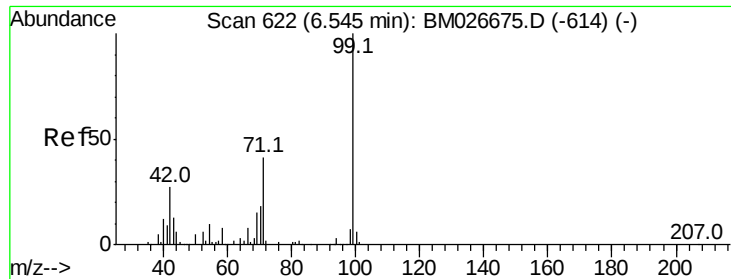
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:	93	Resp:	20776
Ion Ratio	Lower	Upper	
93	100		
66	50.4	38.2	57.4
65	25.5	19.6	29.4





#7

Phenol-d6

Concen: 138.375 ng

RT: 6.53 min Scan# 620

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tot Ion:	99	Resp:	664282
Ion Ratio	Lower	Upper	
99	100		
42	28.1	21.7	32.5
71	45.2	33.2	49.8

Instrument :

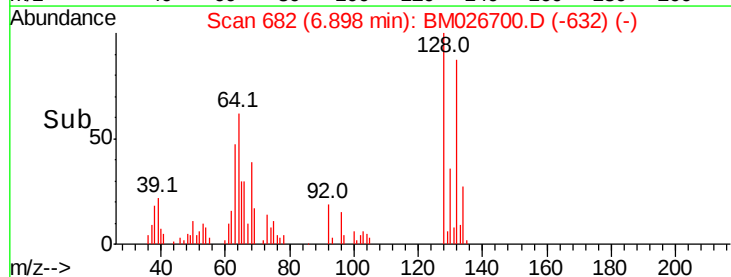
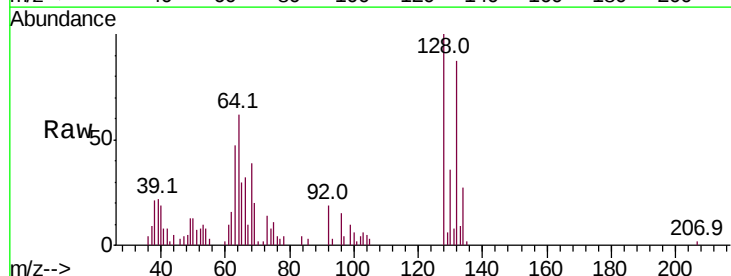
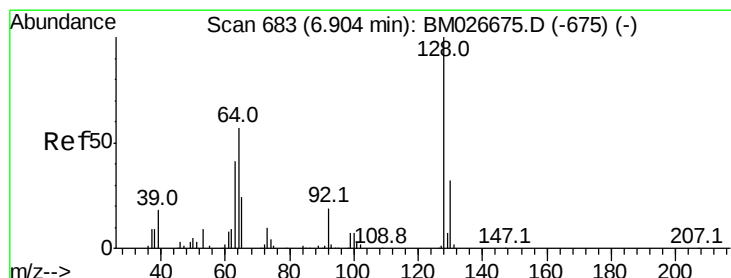
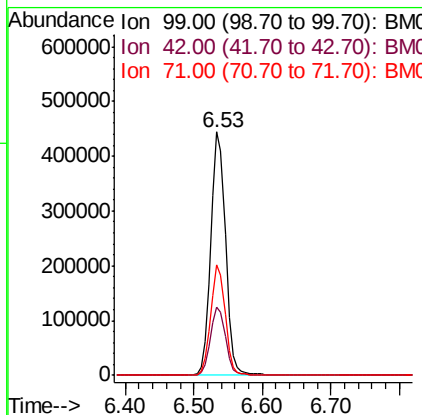
BNA_M

ClientSampleId :

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#8

2-Chlorophenol

Concen: 3.440 ng

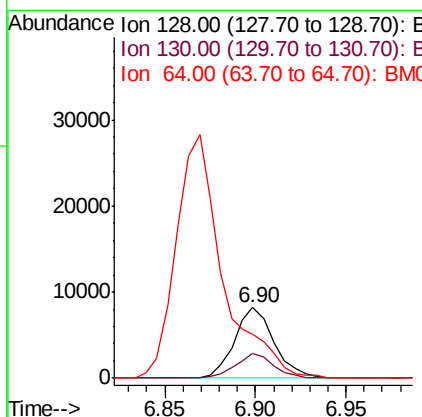
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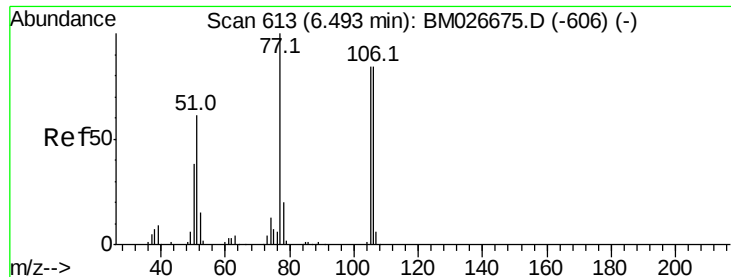
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:	128	Resp:	12348
Ion Ratio	Lower	Upper	
128	100		
130	35.8	12.2	52.2
64	62.2	41.4	81.4





#9

Benzaldehyde

Concen: 5.355 ng

RT: 6.50 min Scan# 614

Delta R.T. 0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

ClientSampleId :

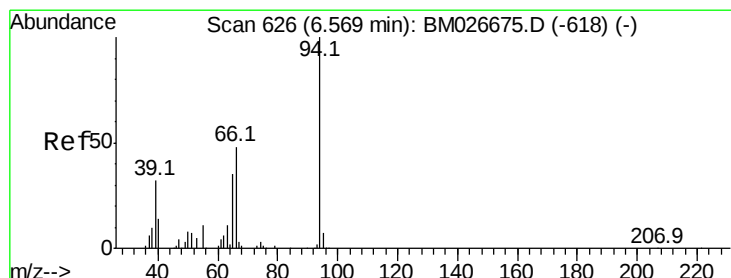
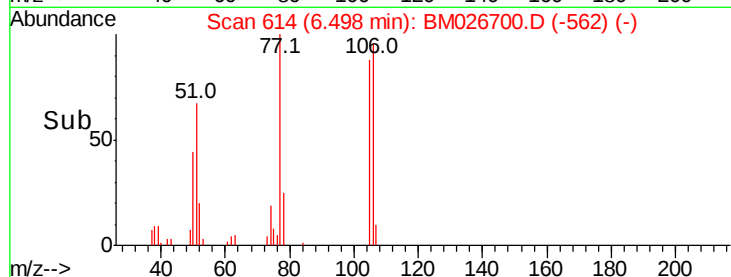
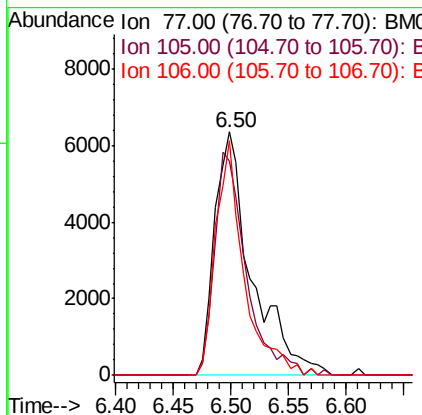
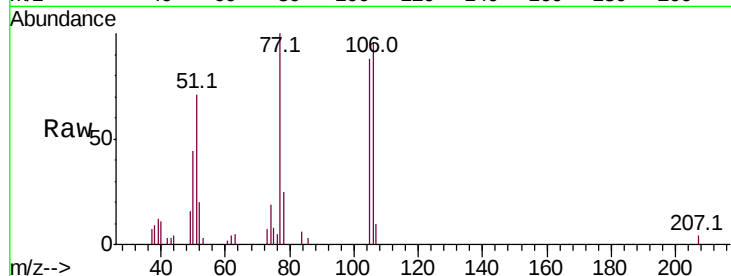
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 77 Resp: 14267

Ion	Ratio	Lower	Upper
77	100		
105	87.8	64.4	104.4
106	96.1	64.3	104.3

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#10

Phenol

Concen: 3.490 ng

RT: 6.56 min Scan# 624

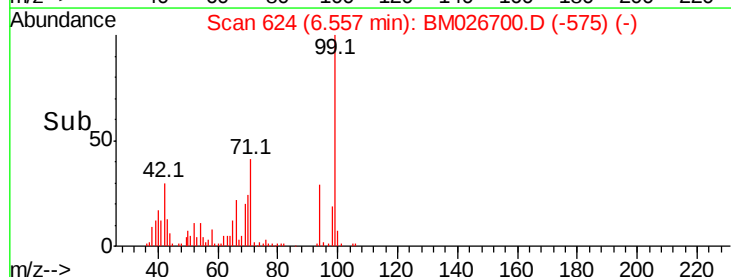
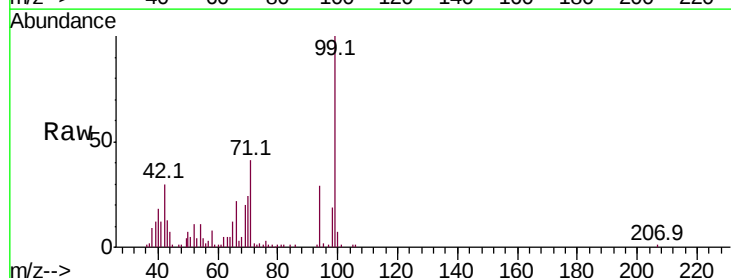
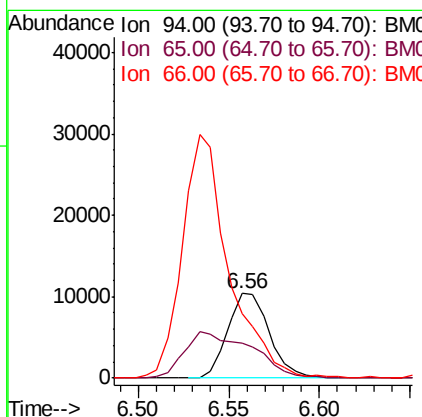
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion: 94 Resp: 16557

Ion	Ratio	Lower	Upper
94	100		
65	41.3	15.5	55.5
66	75.6	29.8	69.8#





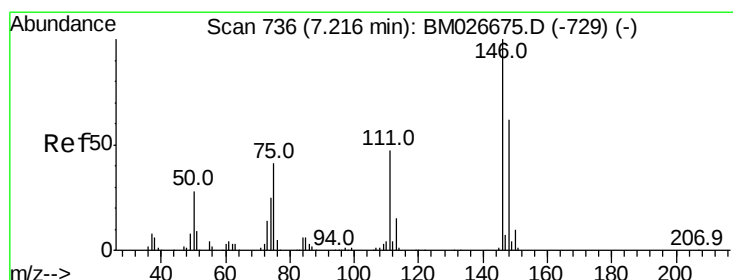
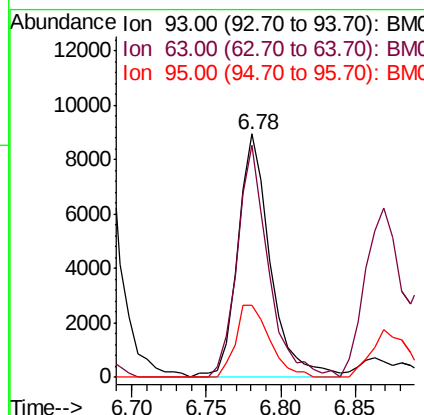
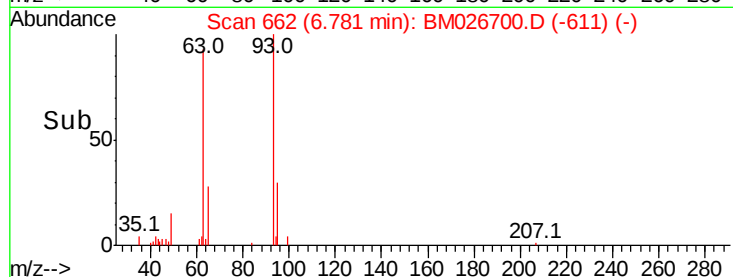
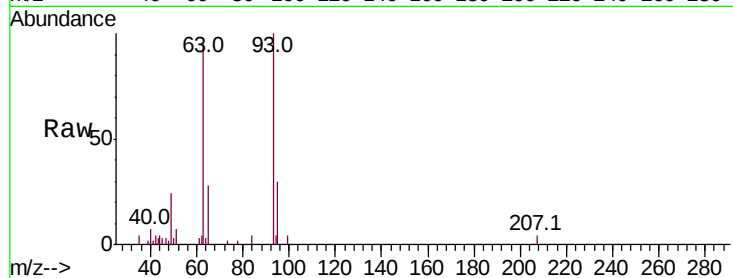
#11
bis(2-Chloroethyl)ether
Concen: 3.441 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	95.3	72.6	112.6
95	29.6	12.3	52.3

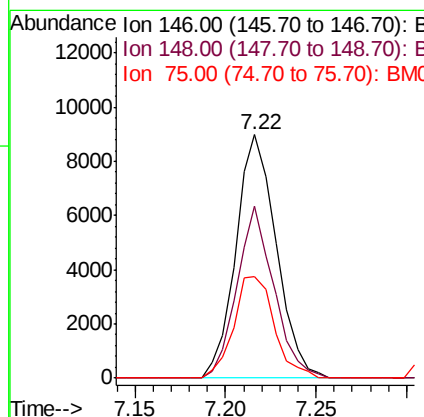
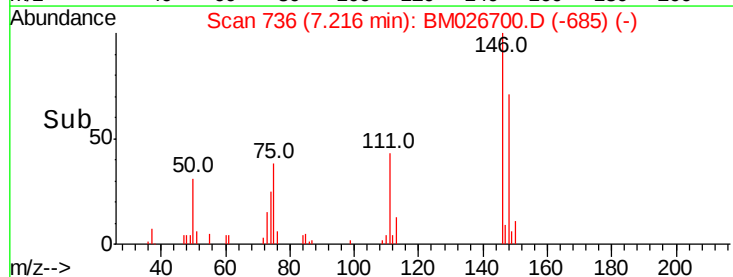
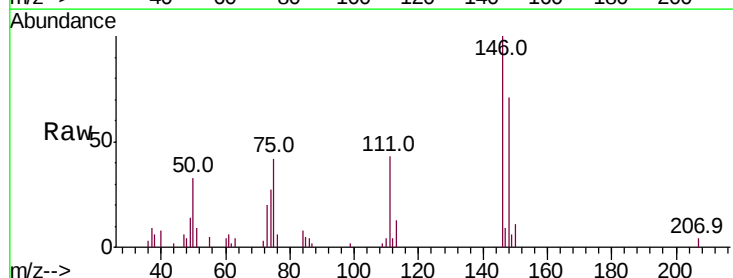
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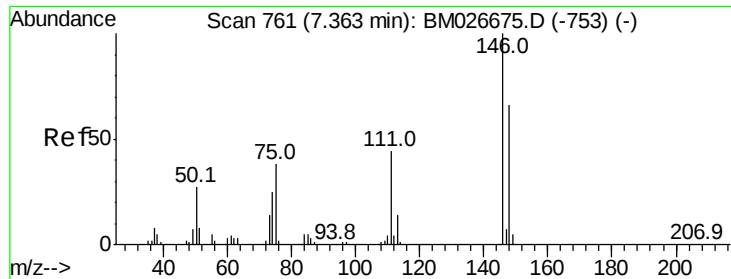
mohammad
7/9/2020 10:59:37 AM



#12
1,3-Dichlorobenzene
Concen: 3.566 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	70.6	49.7	74.5
75	41.6	32.7	49.1





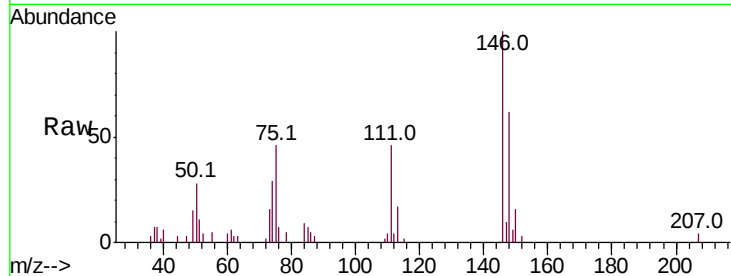
#13
 1,4-Dichlorobenzene
 Concen: 3.415 ng
 RT: 7.36 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.7	52.4	78.6
111	45.7	35.6	53.4

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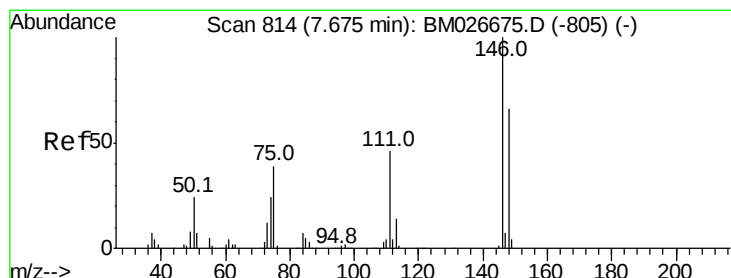
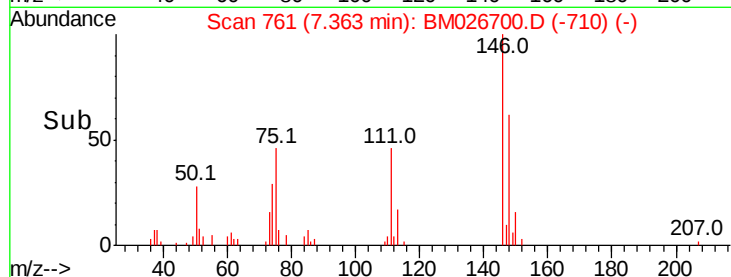
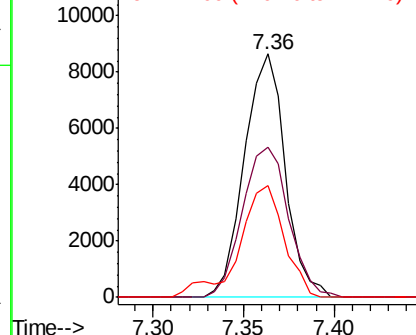


Abundance

Ion 146.00 (145.70 to 146.70): E

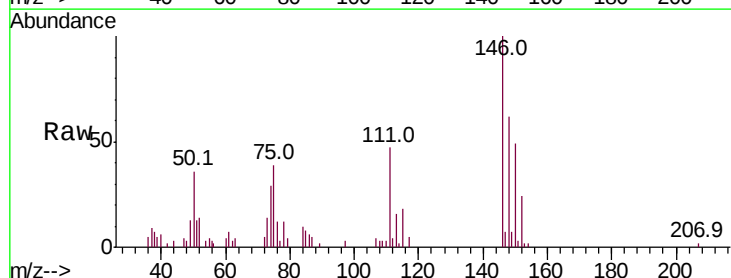
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 3.490 ng
 RT: 7.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.0	52.6	78.8
111	46.9	37.2	55.8

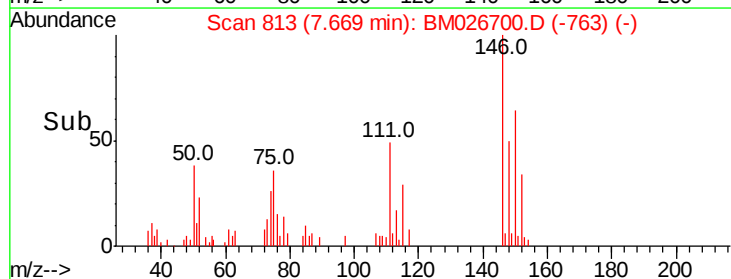
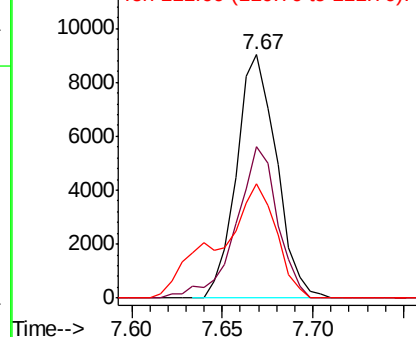


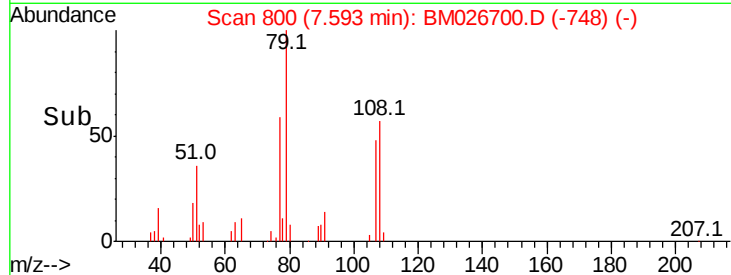
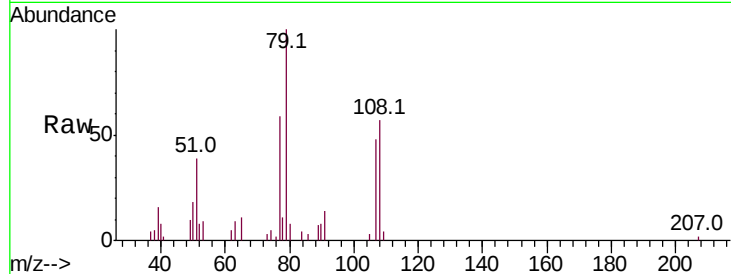
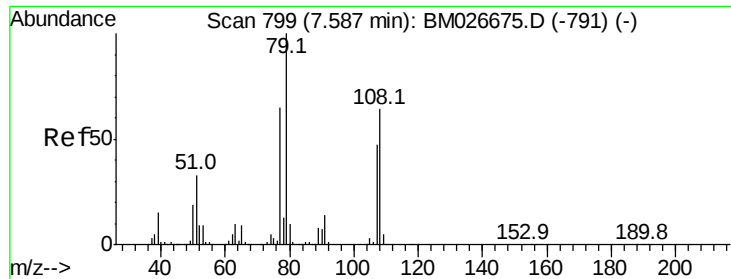
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





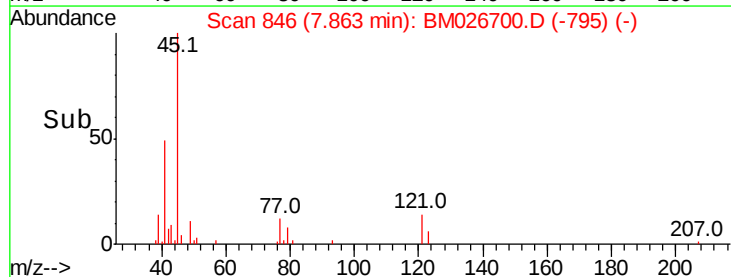
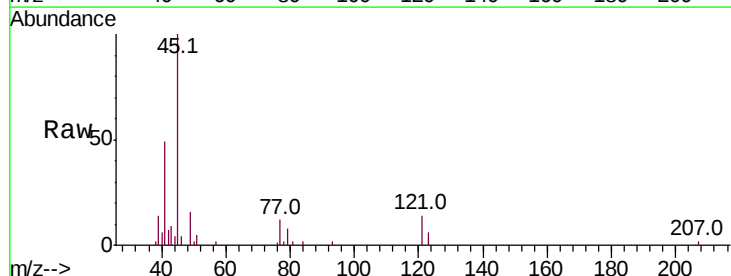
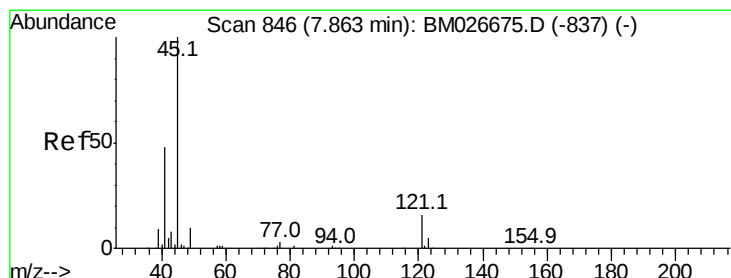
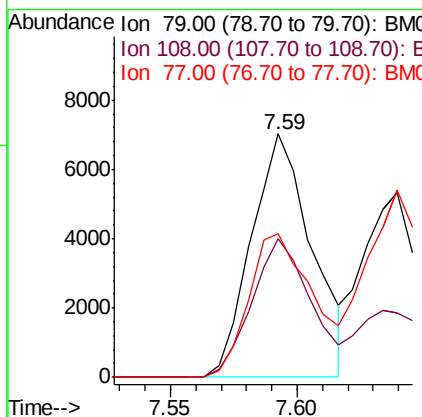
#15
Benzyl Alcohol
Concen: 2.843 ng
RT: 7.59 min Scan# 800
Delta R.T. 0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tot Ion:	79	Resp:	11677
Ion Ratio	Lower	Upper	
79	100		
108	57.1	51.0	76.4
77	58.9	52.1	78.1

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

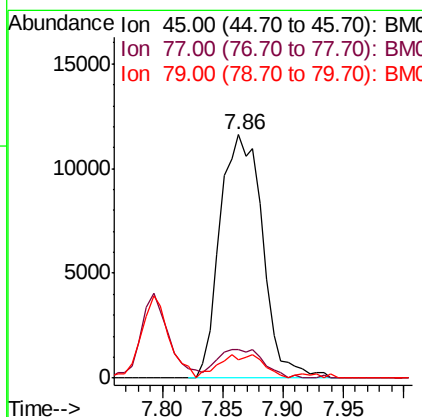
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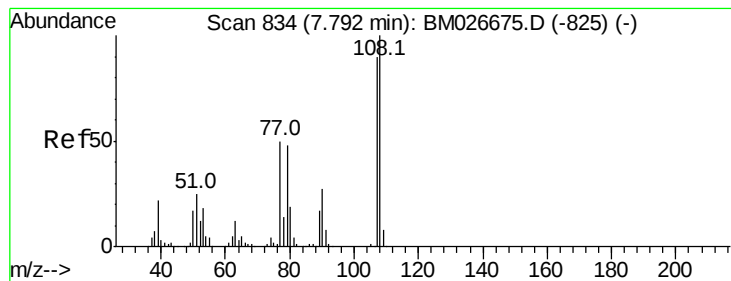
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.474 ng
RT: 7.86 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion:	45	Resp:	28444
Ion Ratio	Lower	Upper	
45	100		
77	11.7	0.0	31.4
79	7.7	0.0	28.4





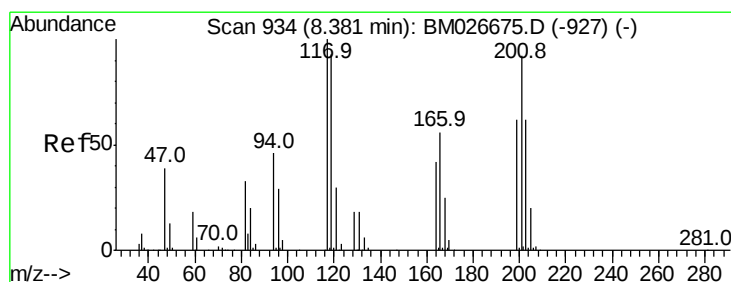
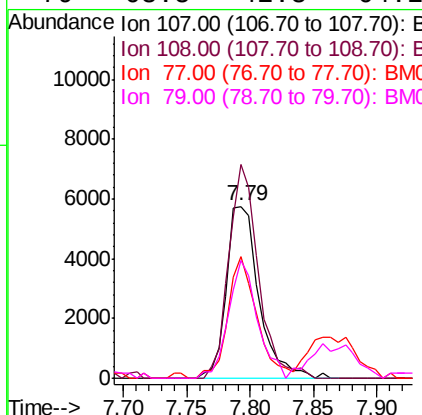
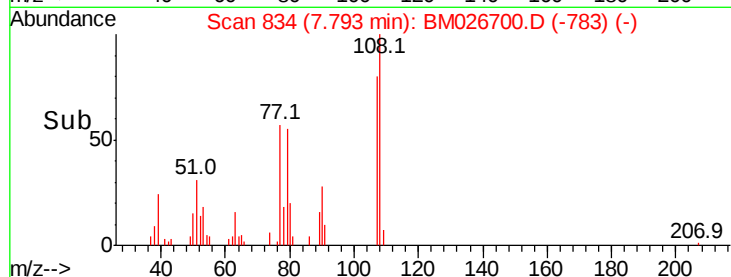
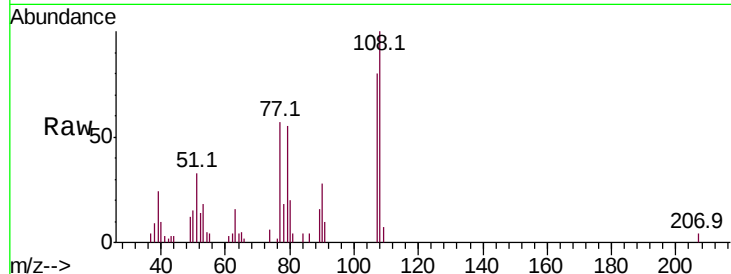
#17
2-Methylphenol
Concen: 2.846 ng
RT: 7.79 min Scan# 834
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	124.2	89.4	134.0	
77	70.5	45.2	67.8#	
79	68.5	42.8	64.2#	

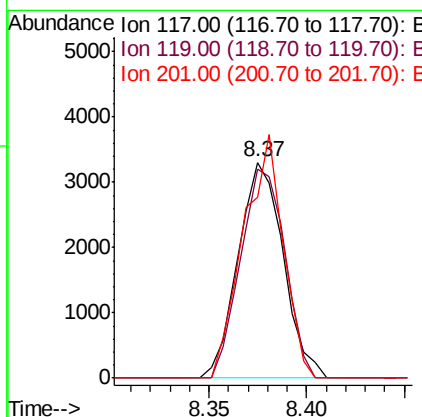
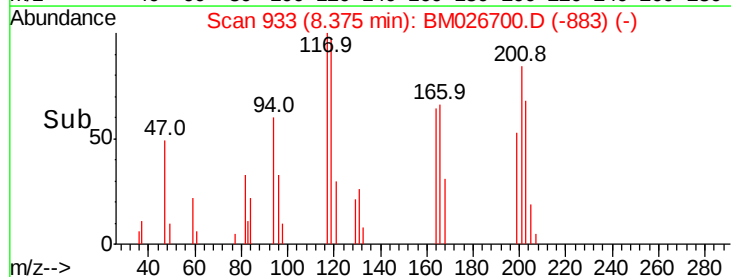
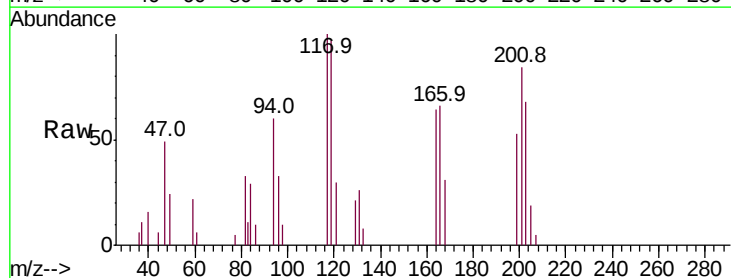
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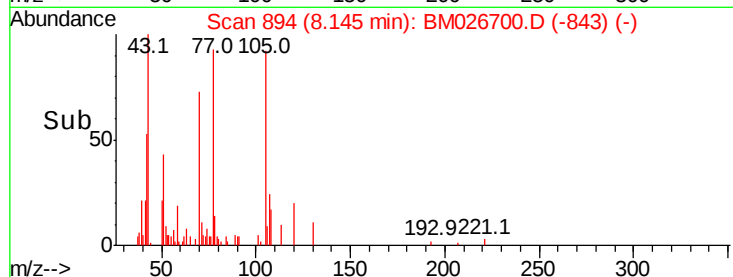
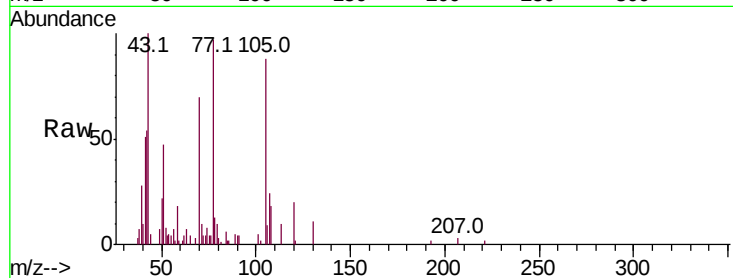
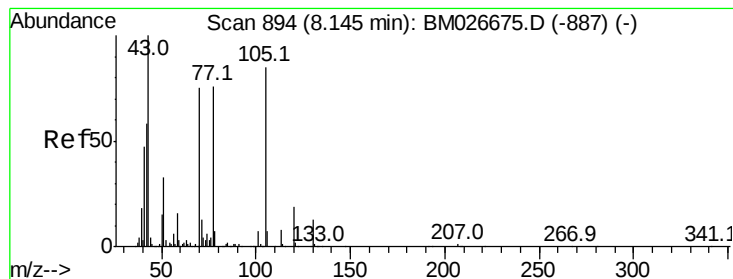
mohammad
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#18
Hexachloroethane
Concen: 3.350 ng
RT: 8.37 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.9	74.2	111.2	
201	84.1	73.6	110.4	





#19

n-Nitroso-di-n-propylamine

Concen: 3.107 ng

RT: 8.15 min Scan# 894

Delta R.T. 0.00 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

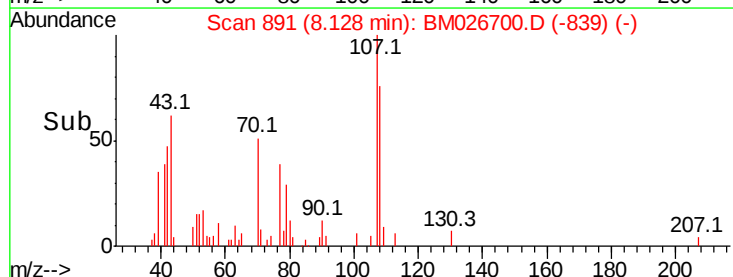
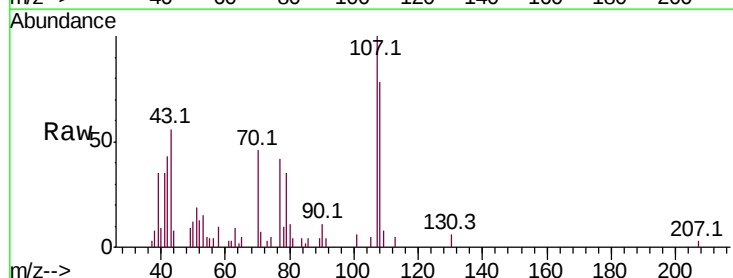
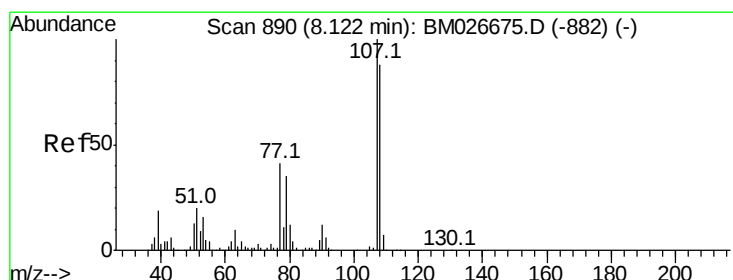
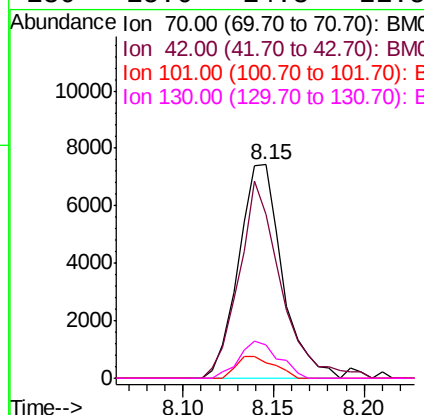
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	76.6	62.3	93.5
101	6.9	7.1	10.7
130	15.6	14.3	21.5

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#20

3+4-Methylphenols

Concen: 2.824 ng

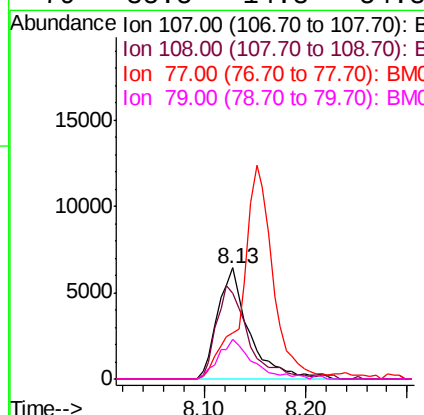
RT: 8.13 min Scan# 891

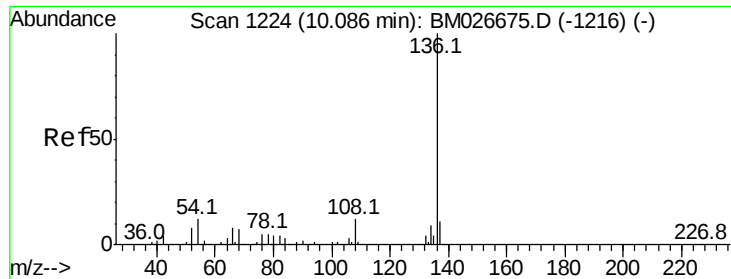
Delta R.T. 0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
107	100		
108	77.6	68.5	108.5
77	41.7	20.8	60.8
79	35.5	14.8	54.8





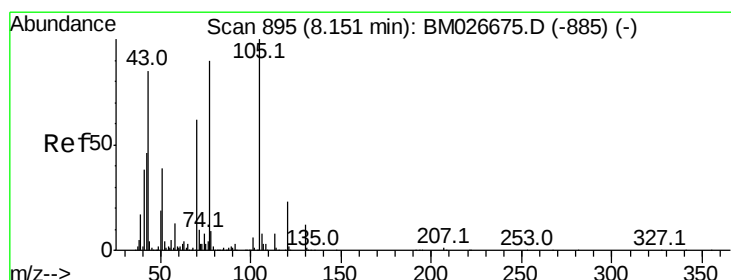
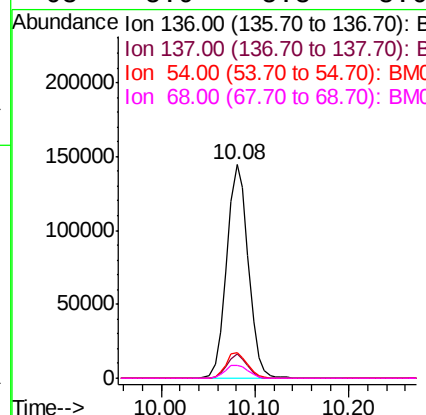
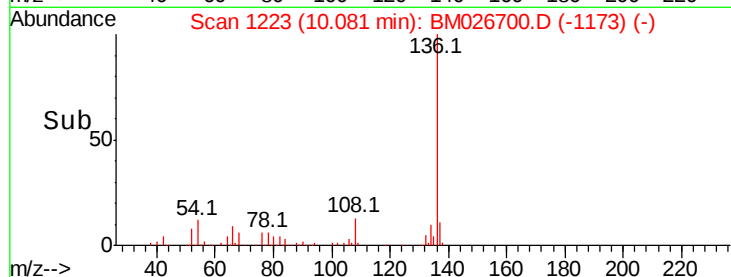
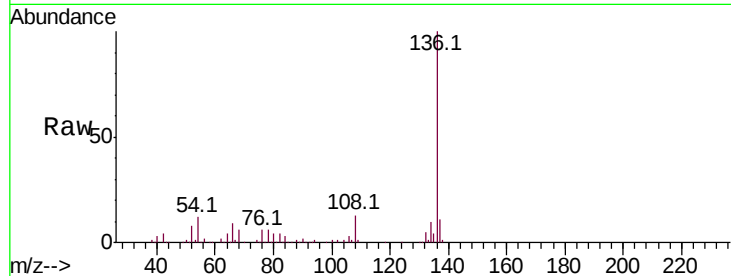
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	231119		
137	11.2	8.6	12.8	
54	12.0	9.8	14.6	
68	5.9	5.8	8.6	

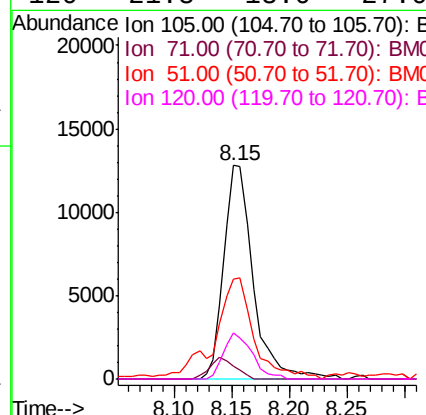
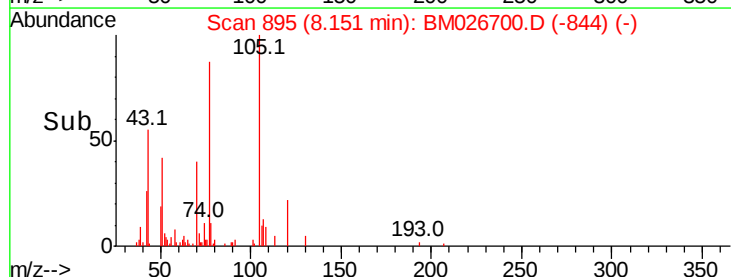
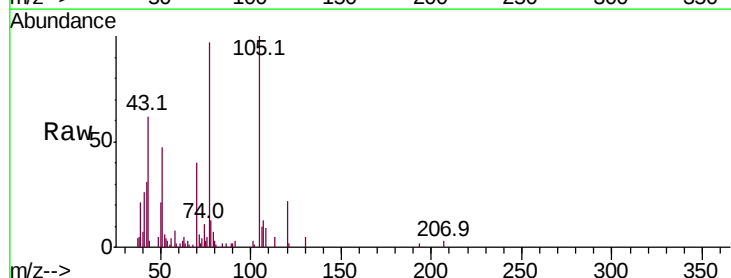
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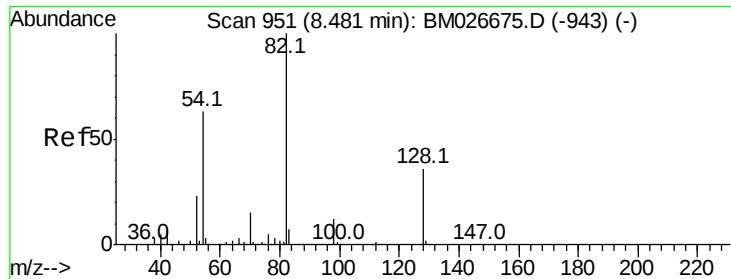
mohammad
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#22
Acetophenone
Concen: 3.450 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	22656		
71	5.8	8.1	12.1#	
51	46.7	31.9	47.9	
120	21.8	18.0	27.0	





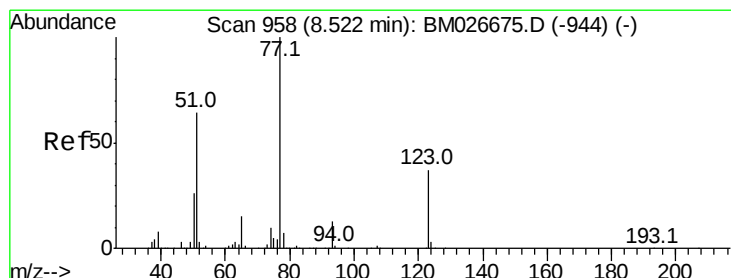
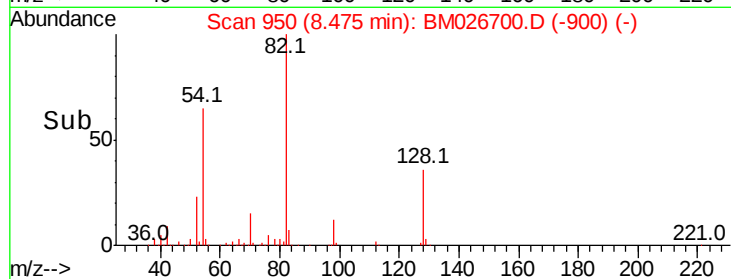
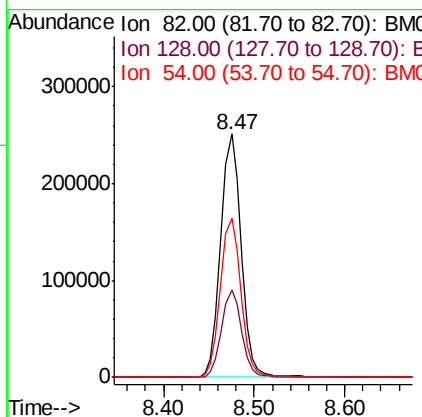
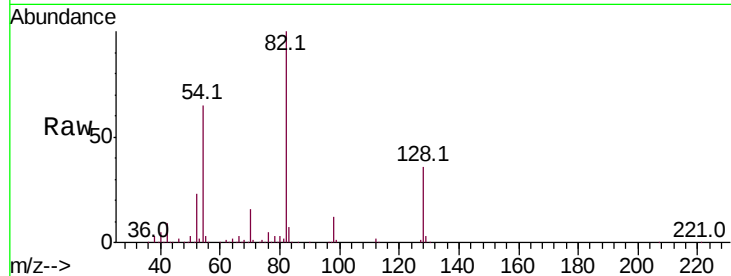
#23
Nitrobenzene-d5
Concen: 73.202 ng
RT: 8.47 min Scan# 950
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.7	29.1	43.7	
54	65.4	50.2	75.4	

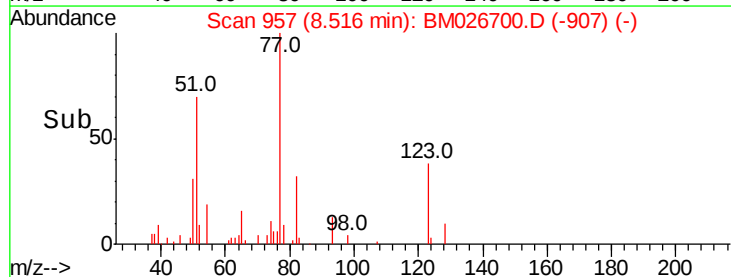
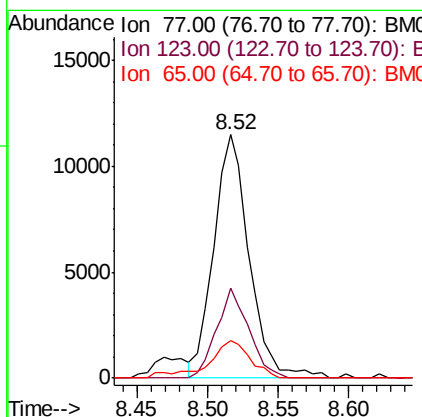
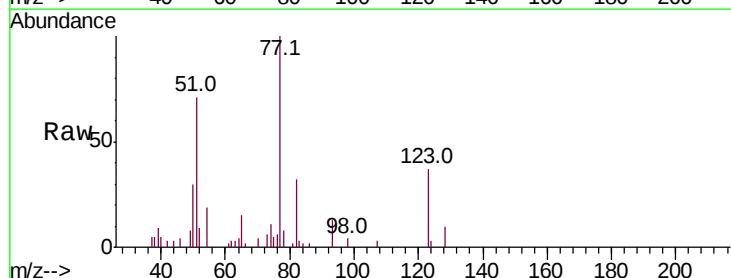
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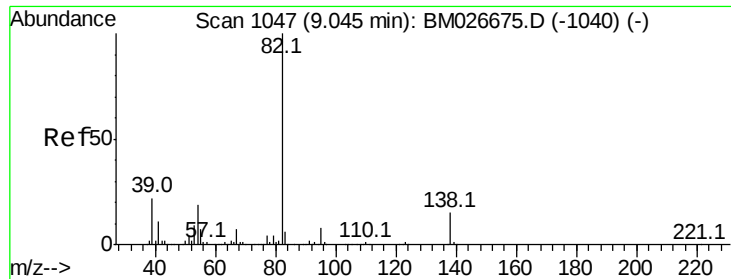
mohammad
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#24
Nitrobenzene
Concen: 3.511 ng
RT: 8.52 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	36.8	29.8	44.6	
65	15.3	12.2	18.4	





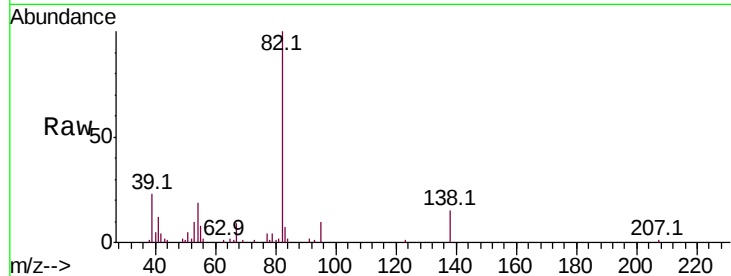
#25
Isophorone
Concen: 3.202 ng
RT: 9.05 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	9.6	6.3	9.5#	
138	15.3	12.0	18.0	

Manual Integrations
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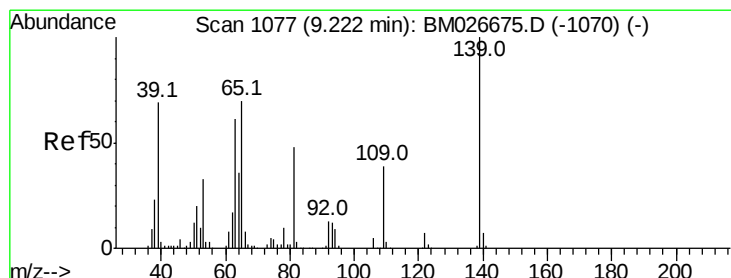
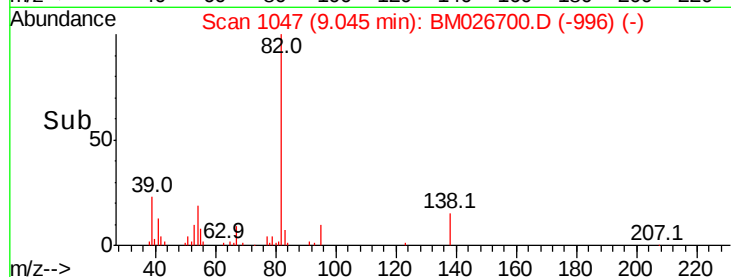
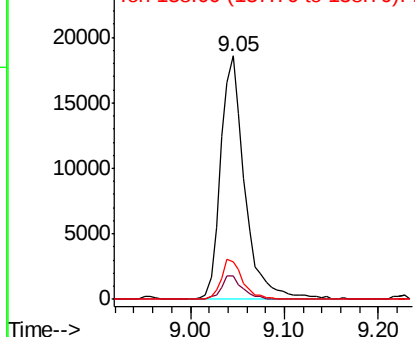


Abundance

Ion 82.00 (81.70 to 82.70): BM026700.D (-996) (-)

Ion 95.00 (94.70 to 95.70): BM026700.D (-996) (-)

Ion 138.00 (137.70 to 138.70): BM026700.D (-996) (-)



#26
2-Nitrophenol
Concen: 2.684 ng
RT: 9.23 min Scan# 1078
Delta R.T. 0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

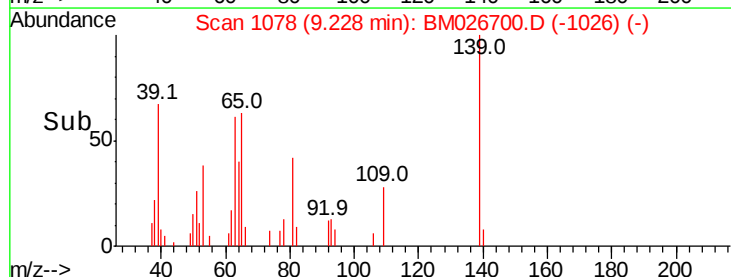
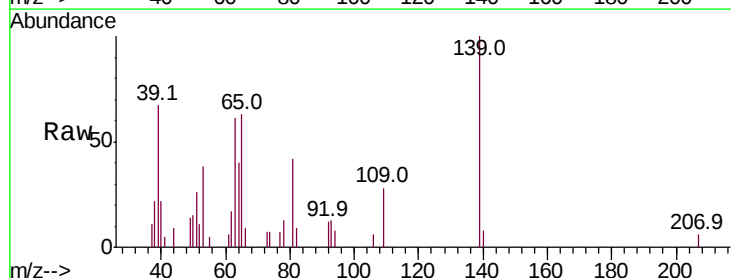
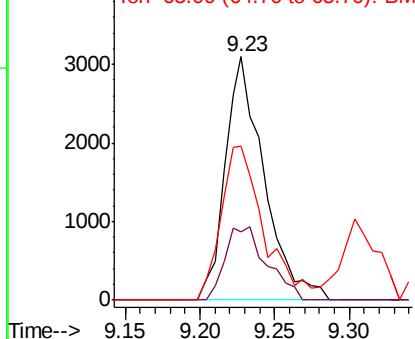
Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	27.9	30.8	46.2#	
65	63.3	56.2	84.4	

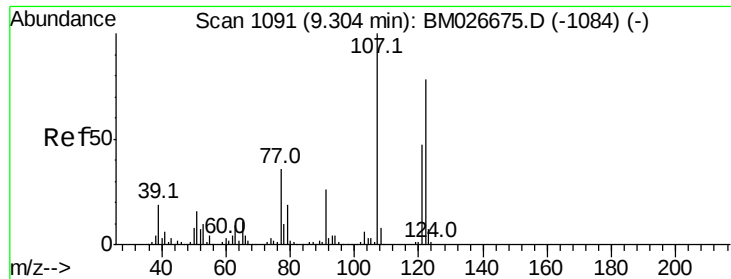
Abundance

Ion 139.00 (138.70 to 139.70): BM026700.D (-1026) (-)

Ion 109.00 (108.70 to 109.70): BM026700.D (-1026) (-)

Ion 65.00 (64.70 to 65.70): BM026700.D (-1026) (-)





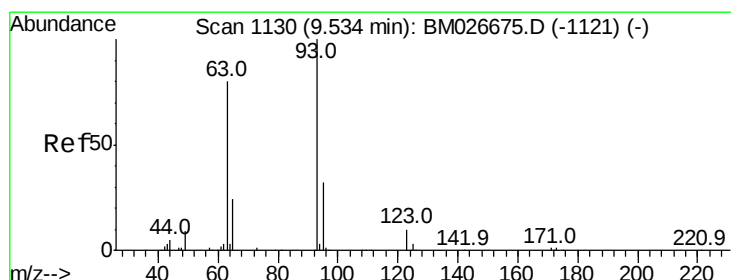
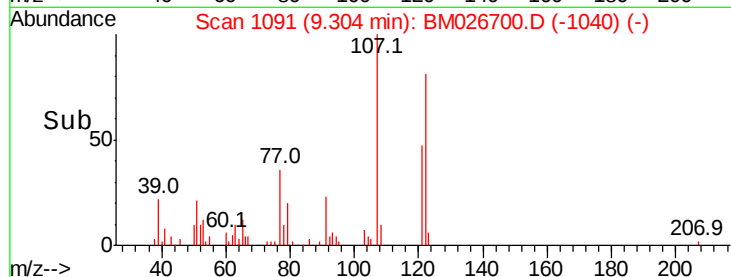
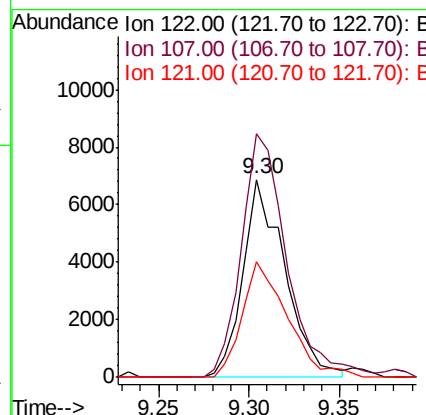
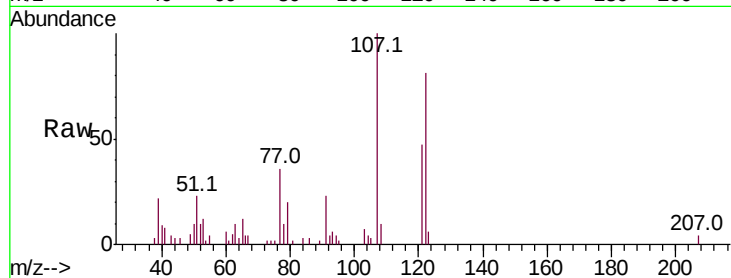
#27
 2,4-Dimethylphenol
 Concen: 3.251 ng
 RT: 9.30 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	123.2	102.1	153.1
121	58.2	48.2	72.2

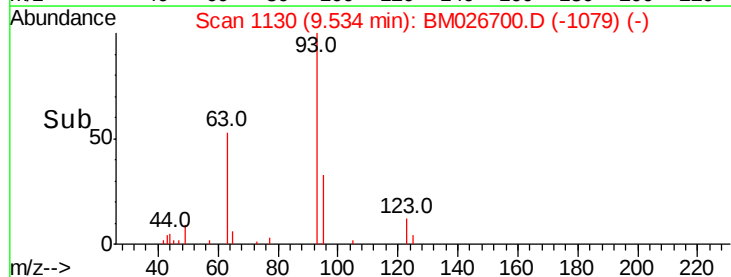
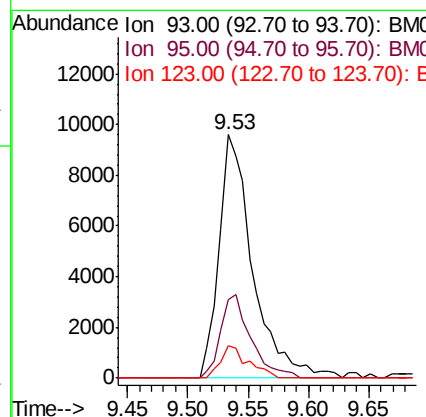
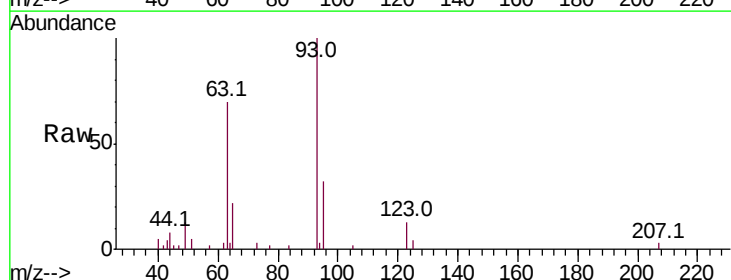
Manual Integrations
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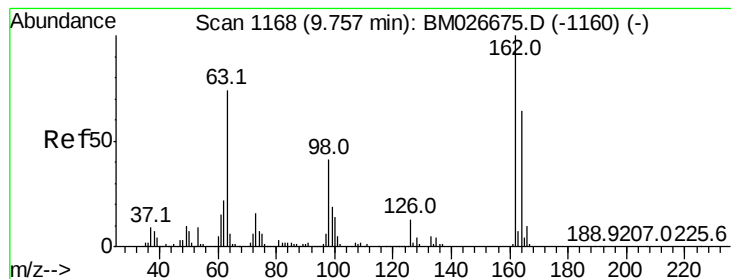
mohammad
 7/9/2020 10:59:37 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 3.226 ng
 RT: 9.53 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.7	38.5
123	13.2	8.7	13.1#





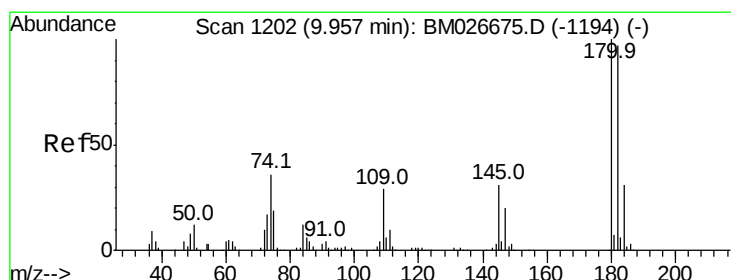
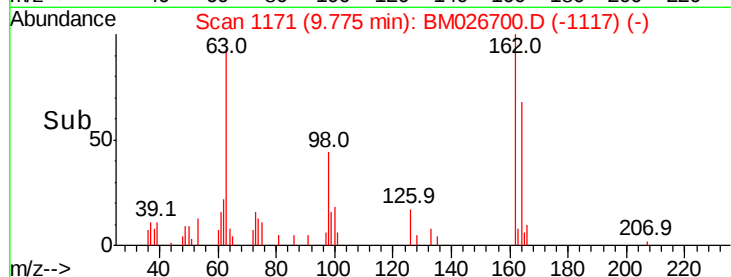
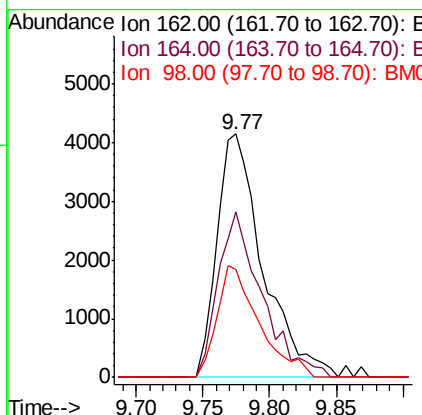
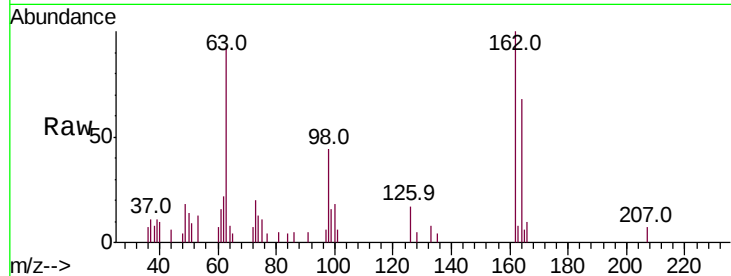
#29
 2,4-Dichlorophenol
 Concen: 2.652 ng
 RT: 9.77 min Scan# 1171
 Delta R.T. 0.02 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion:	162	Resp:	9990
Ion Ratio	Lower	Upper	
162	100		
164	68.2	44.3	84.3
98	44.4	21.0	61.0

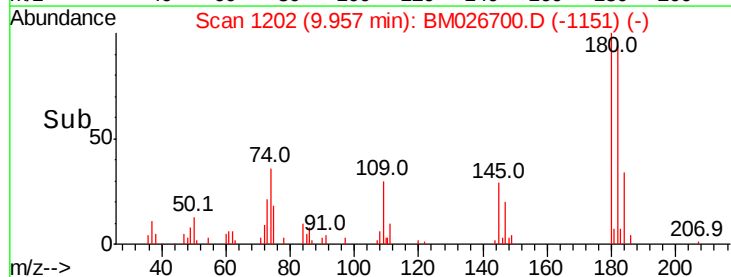
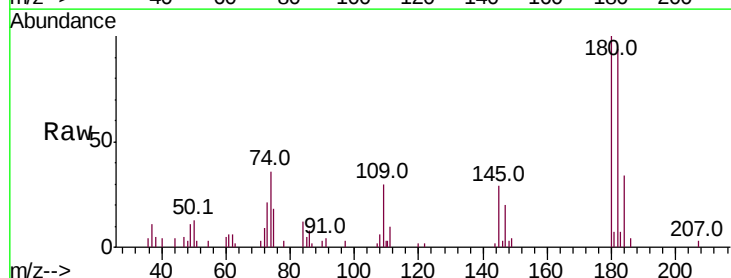
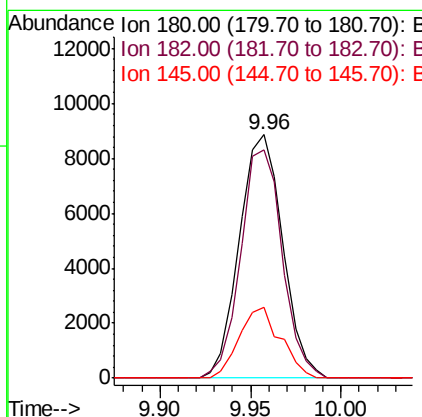
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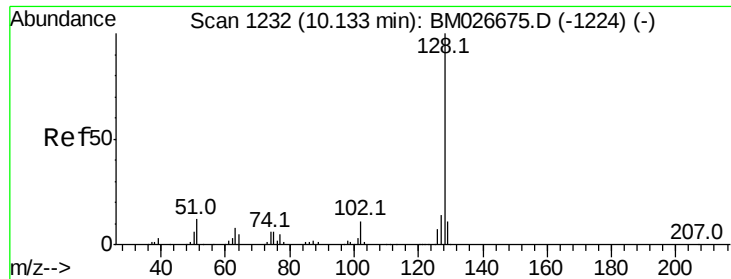
mohammad
 7/9/2020 10:59:37 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 3.509 ng
 RT: 9.96 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion:	180	Resp:	14746
Ion Ratio	Lower	Upper	
180	100		
182	93.7	77.8	116.6
145	29.2	25.0	37.6





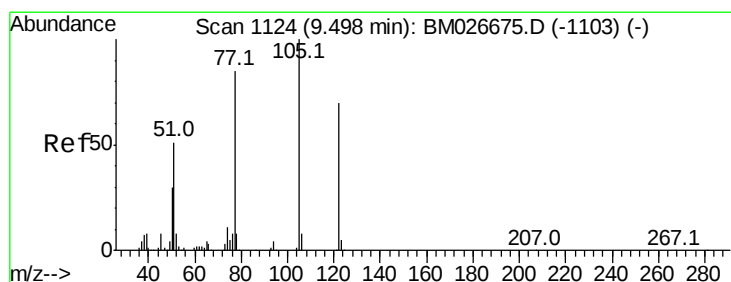
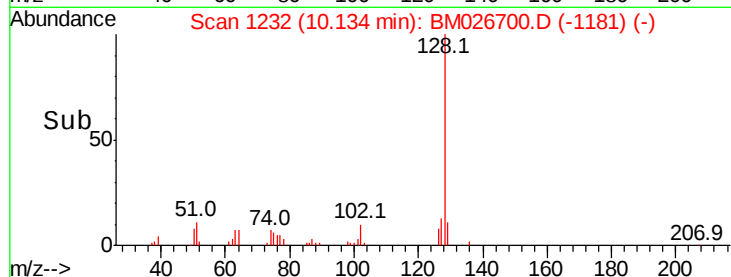
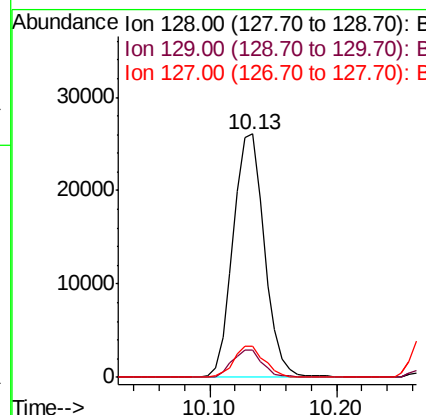
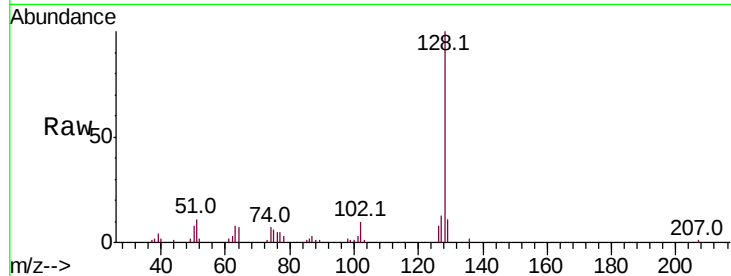
#31
Naphthalene
Concen: 3.470 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.6	10.8	16.2

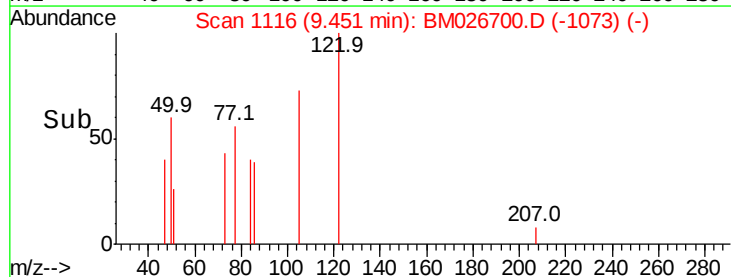
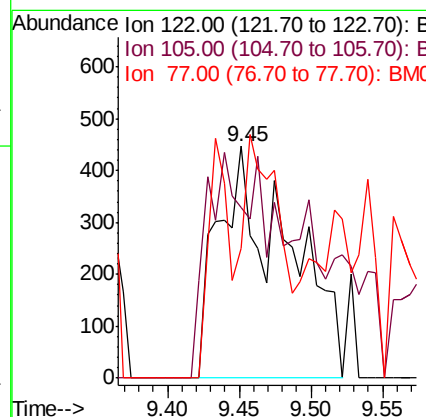
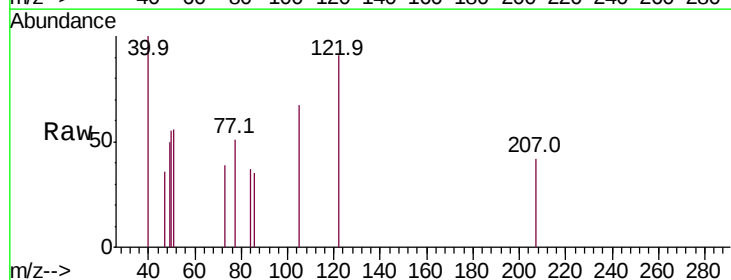
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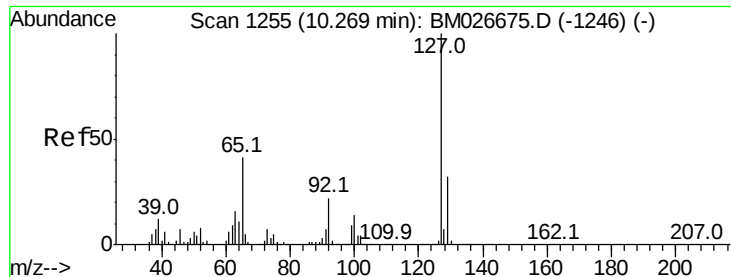
mohammad
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#32
Benzoic acid
Concen: 0.576 ng m
RT: 9.45 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
122	100		
105	73.4	120.9	160.9#
77	55.9	100.0	140.0#





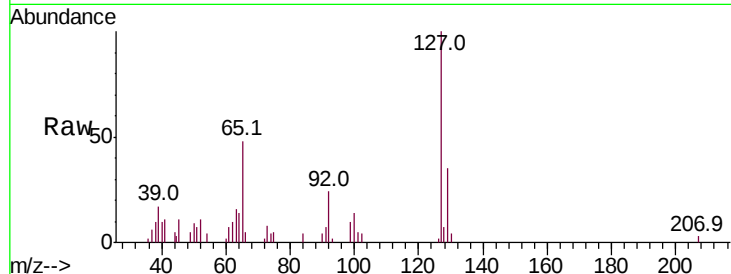
#33
4-Chloroaniline
Concen: 2.845 ng
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	35.2	25.8	38.6	
65	47.8	32.5	48.7	
92	24.3	17.8	26.8	

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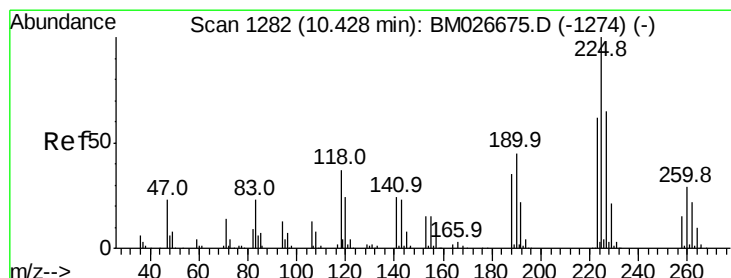
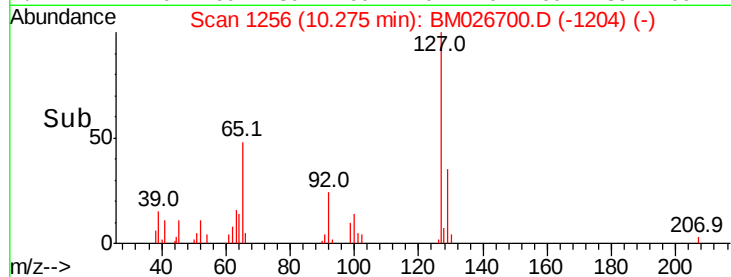
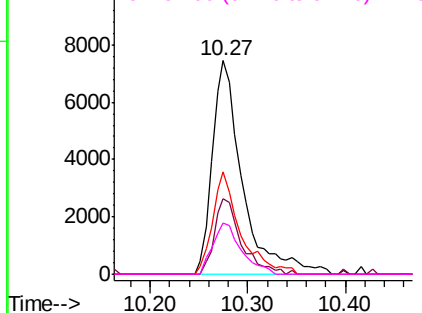
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

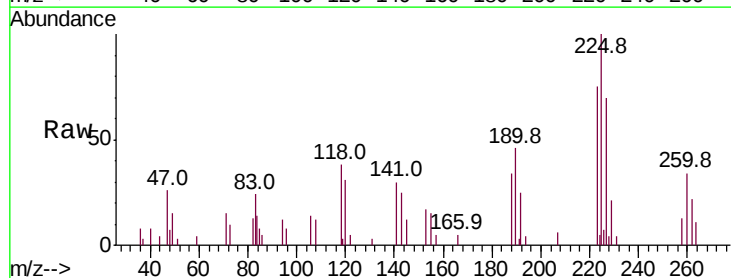
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 3.206 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	70.2	49.8	74.8	
227	65.3	52.3	78.5	

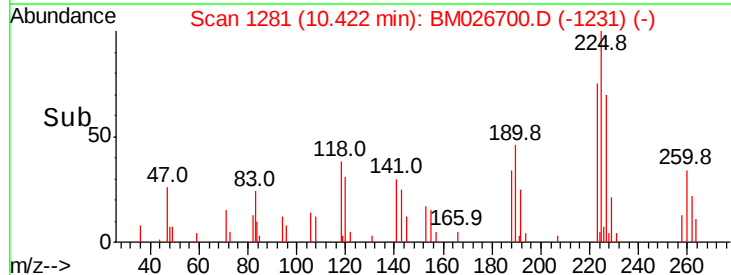
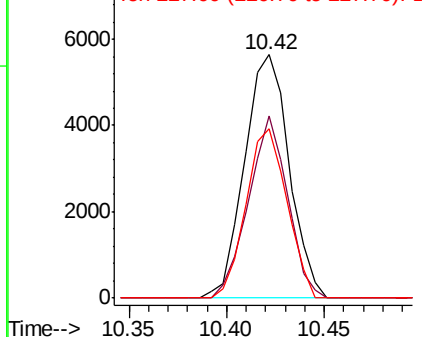


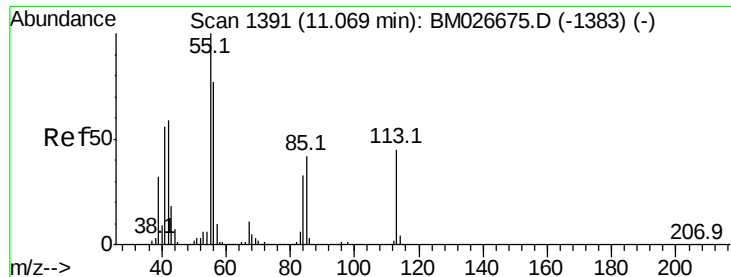
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 2.649 ng

RT: 11.06 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

ClientSampleId :

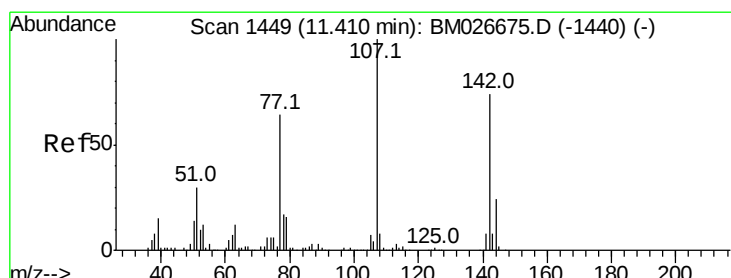
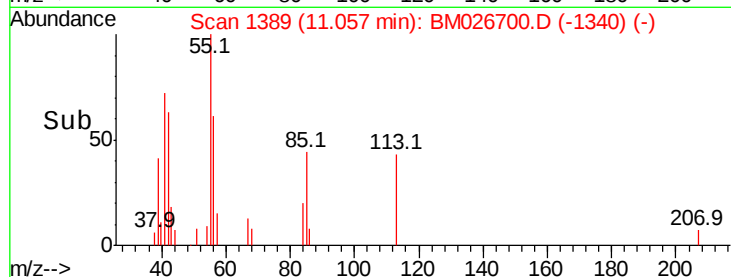
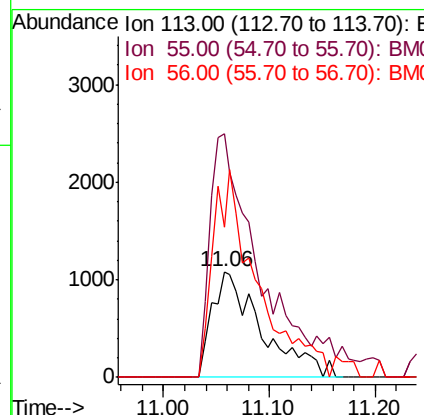
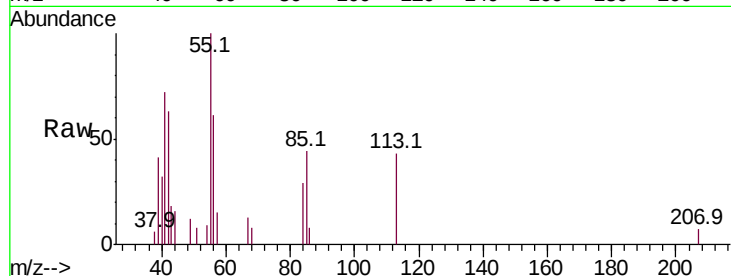
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:113 Resp: 3534

Ion	Ratio	Lower	Upper
113	100		
55	230.7	203.5	243.5
56	141.7	151.6	191.6#

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#36

4-Chloro-3-methylphenol

Concen: 2.740 ng

RT: 11.41 min Scan# 1449

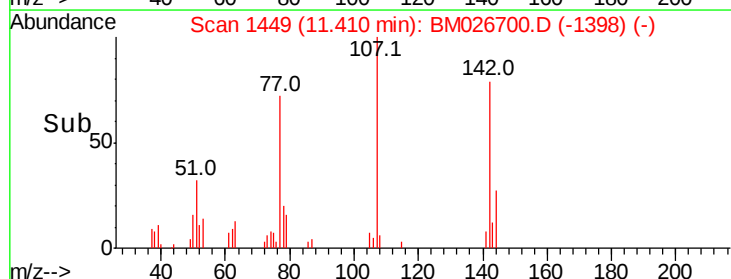
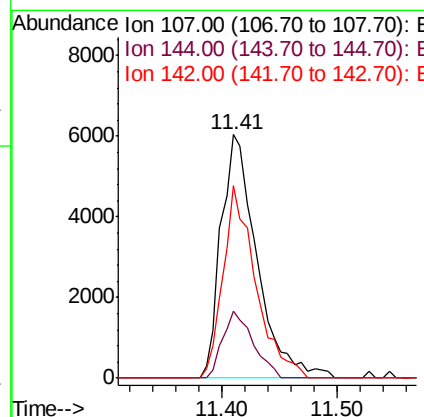
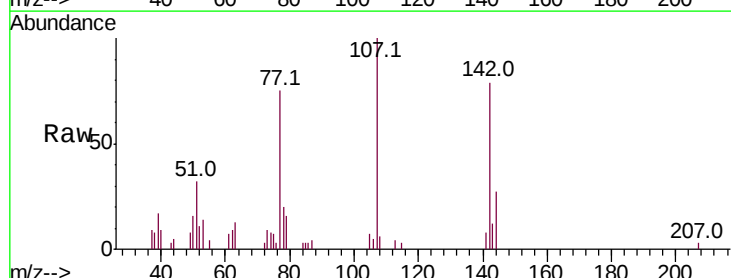
Delta R.T. 0.00 min

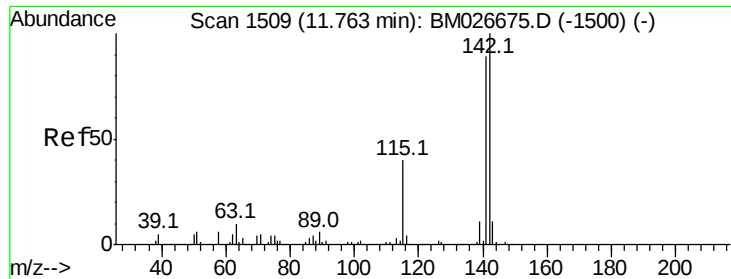
Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:107 Resp: 13042

Ion	Ratio	Lower	Upper
107	100		
144	27.5	18.9	28.3
142	79.1	59.0	88.4





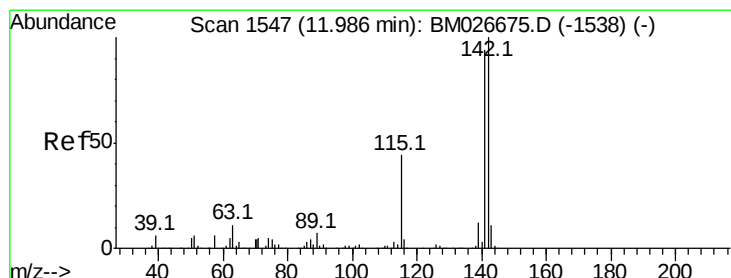
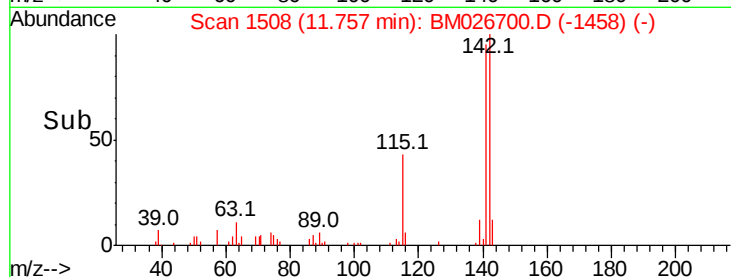
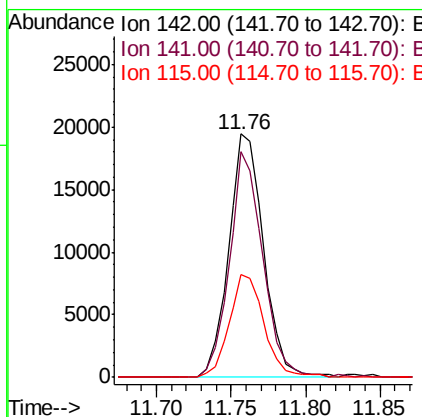
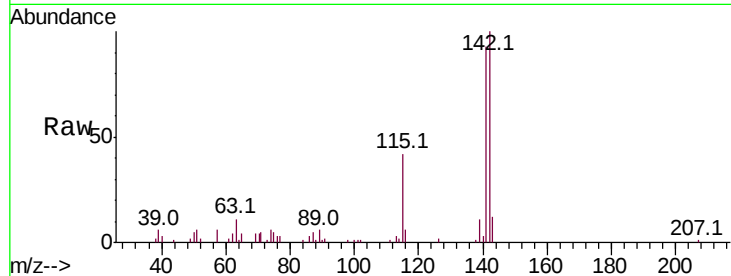
#37
2-Methylnaphthalene
Concen: 3.322 ng
RT: 11.76 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.4	107.0
115	42.3	32.1	48.1

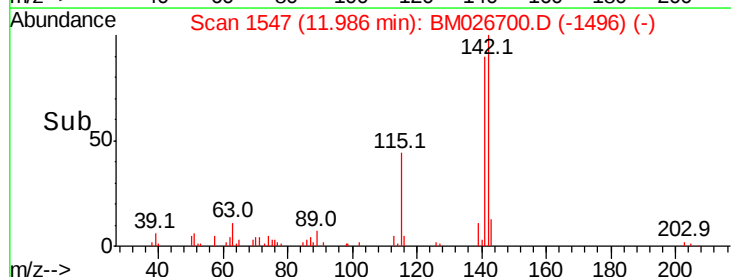
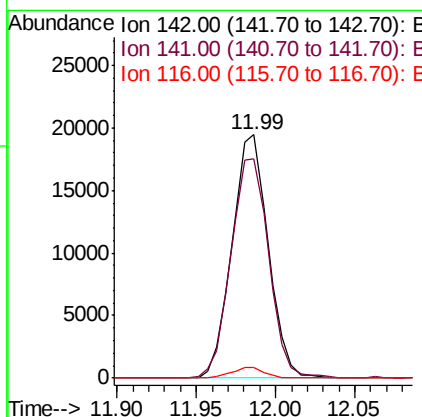
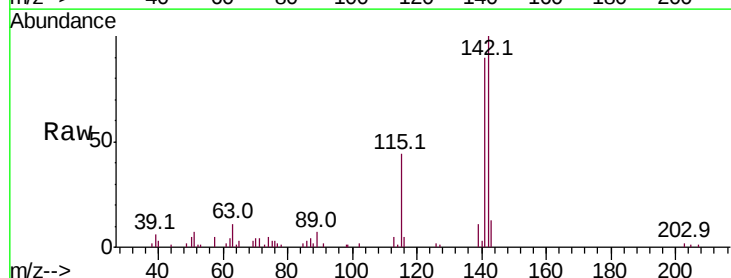
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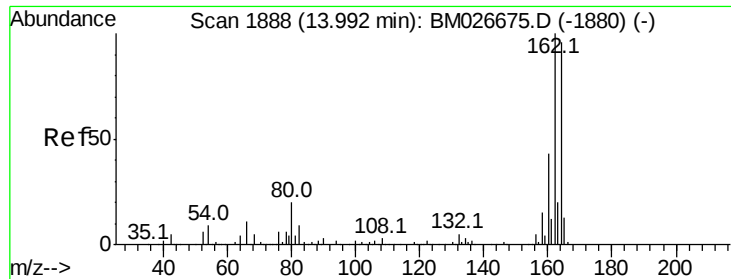
mohammad
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#38
1-Methylnaphthalene
Concen: 3.380 ng
RT: 11.99 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	75.0	112.6
116	4.6	3.5	5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

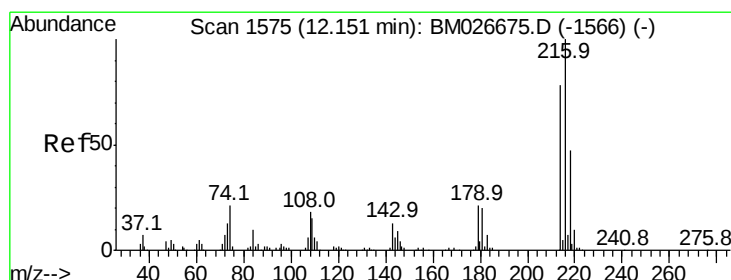
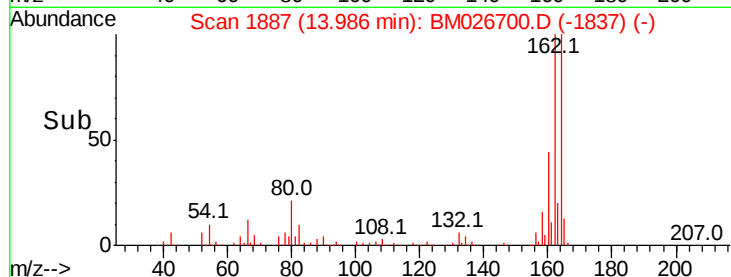
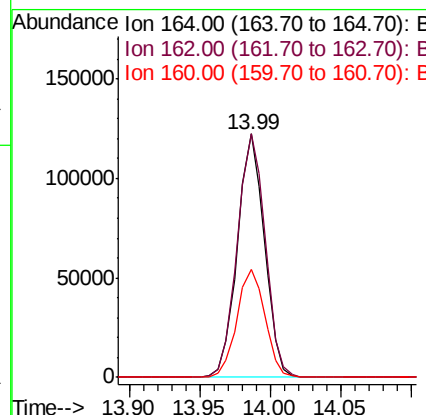
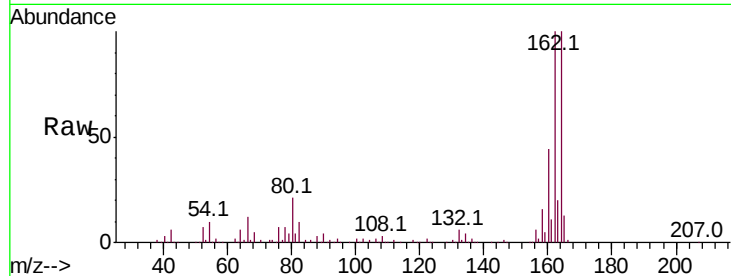
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	164	Resp:	163994
Ion Ratio	Lower	Upper	
164	100		
162	99.8	83.7	125.5
160	44.3	36.2	54.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.435 ng

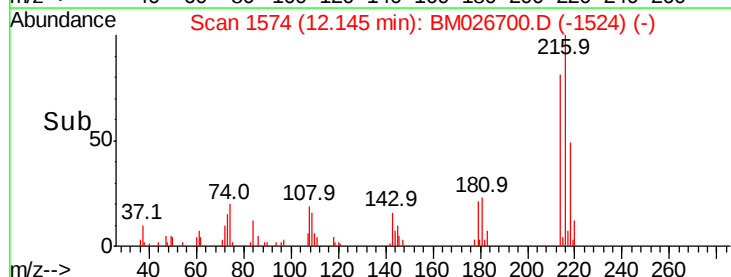
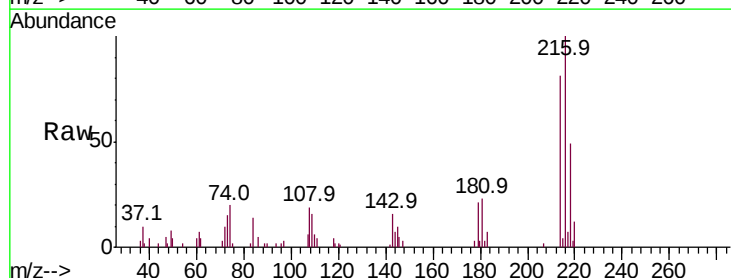
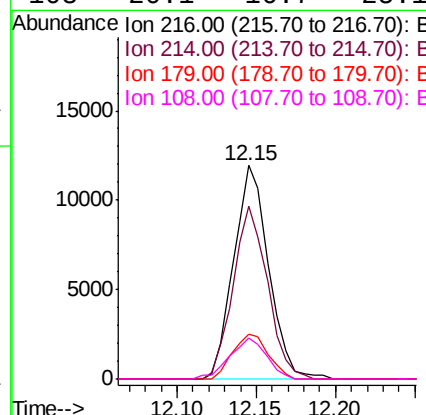
RT: 12.15 min Scan# 1574

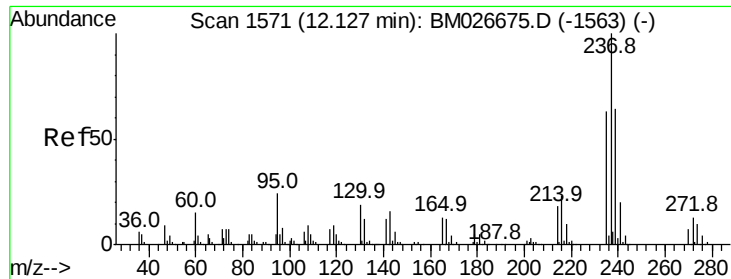
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:	216	Resp:	18211
Ion Ratio	Lower	Upper	
216	100		
214	79.4	62.6	93.8
179	21.2	17.5	26.3
108	20.1	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 1.592 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

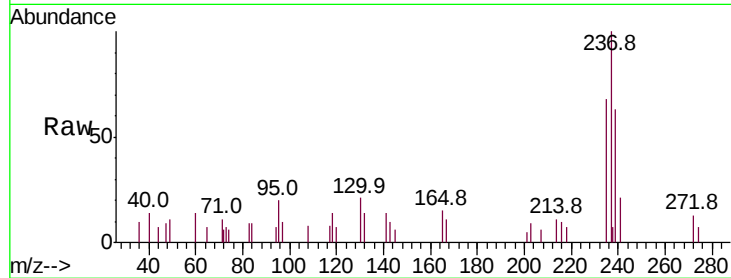
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

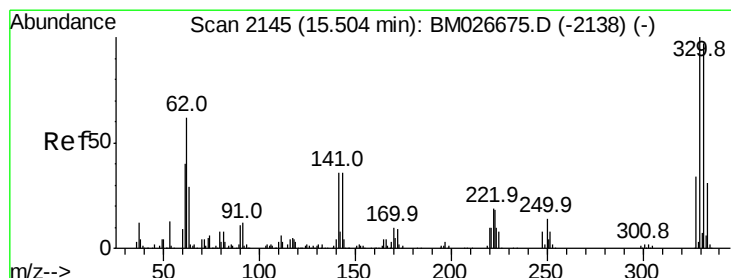
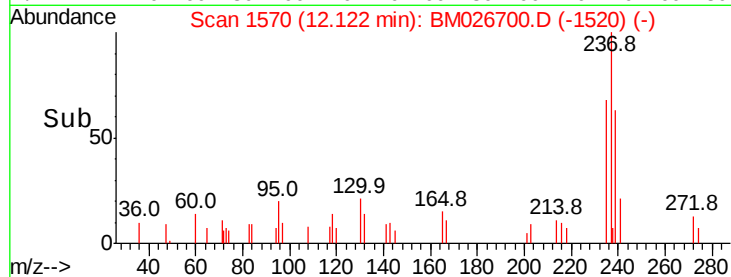
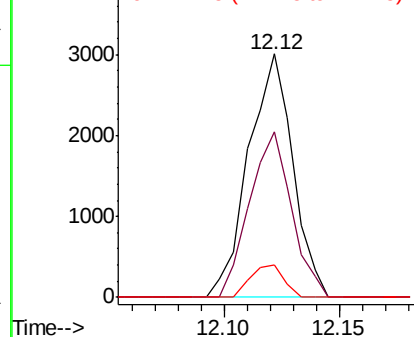
Tot Ion:	237	Resp:	4026
Ion Ratio	Lower	Upper	
237	100		
235	68.1	42.8	82.8
272	13.1	0.0	32.8

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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: 161.072 ng

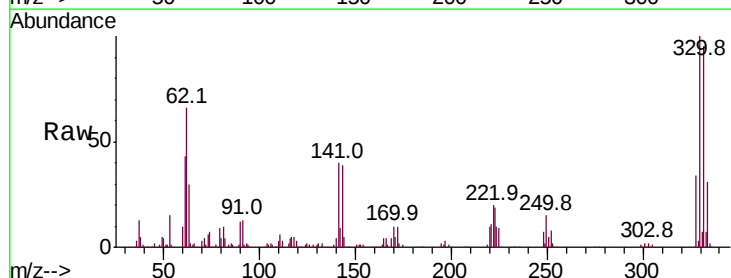
RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

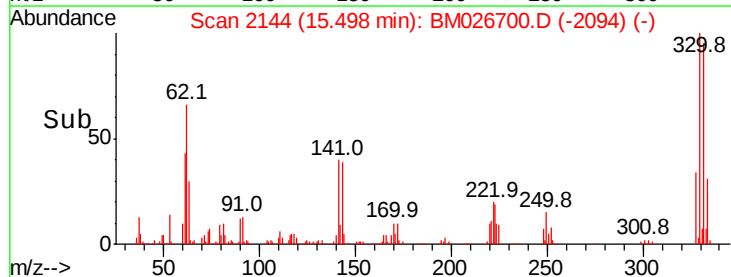
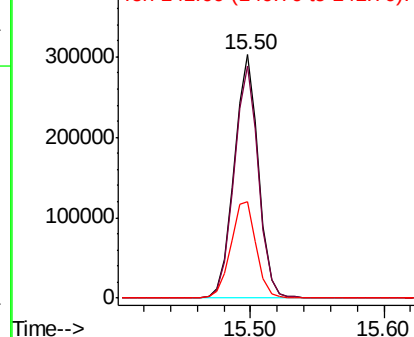
Lab File: BM026700.D

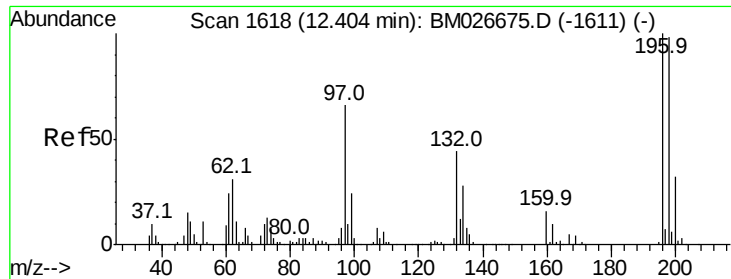
Acq: 08 Jul 2020 10:13

Tgt Ion:	330	Resp:	384783
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.5	116.3
141	41.8	32.4	48.6



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





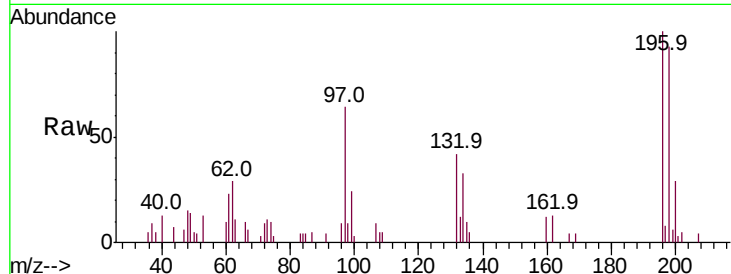
#43
 2,4,6-Trichlorophenol
 Concen: 2.694 ng
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	9357		
198	93.0		78.6	118.0
200	28.7		25.3	37.9

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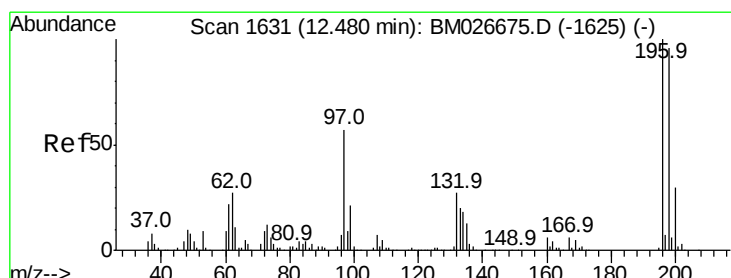
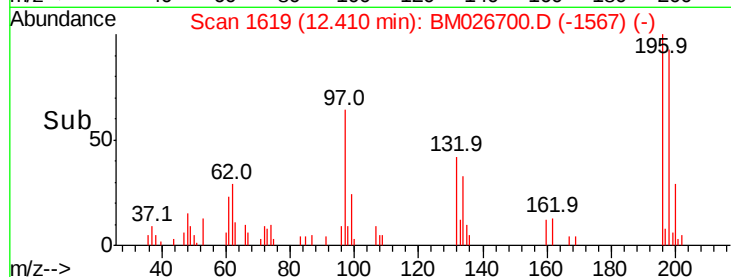
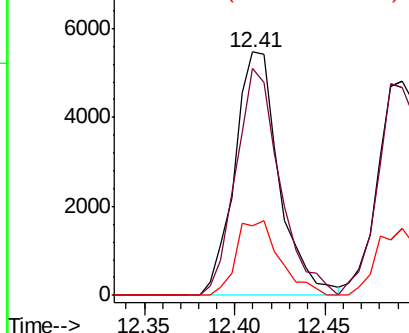


Abundance

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: 2.525 ng
 RT: 12.49 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	10303		
198	97.1		77.0	115.6
97	61.6		45.7	68.5
132	32.1		21.8	32.6

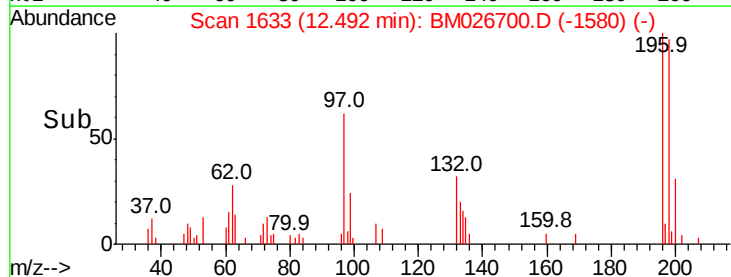
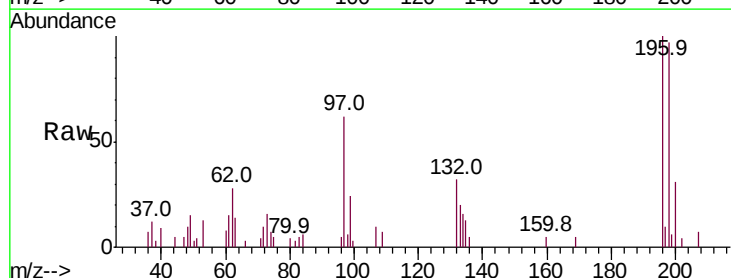
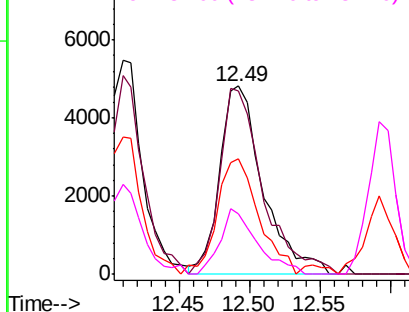
Abundance

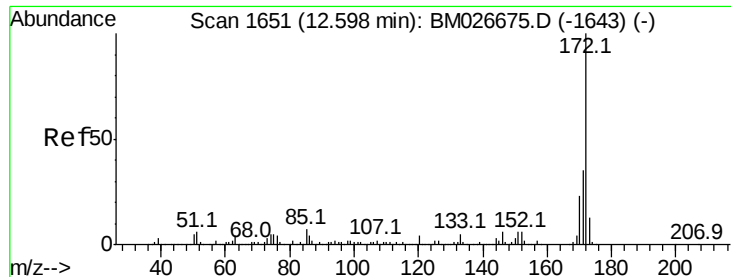
Ion 196.00 (195.70 to 196.70): E

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





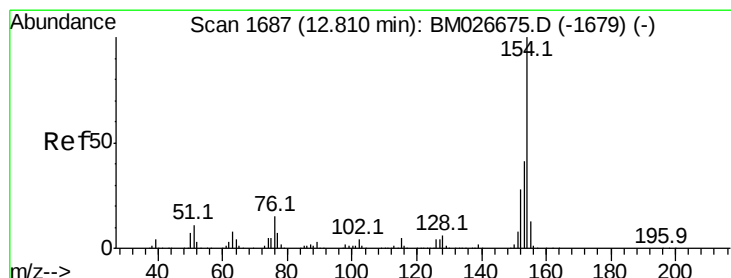
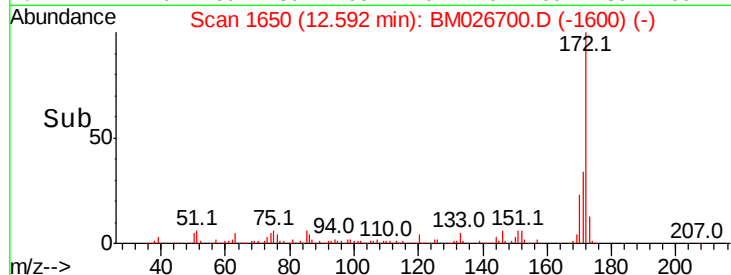
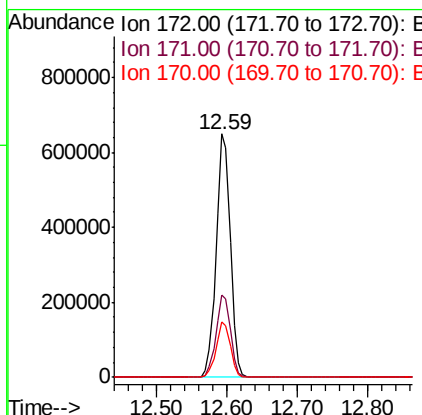
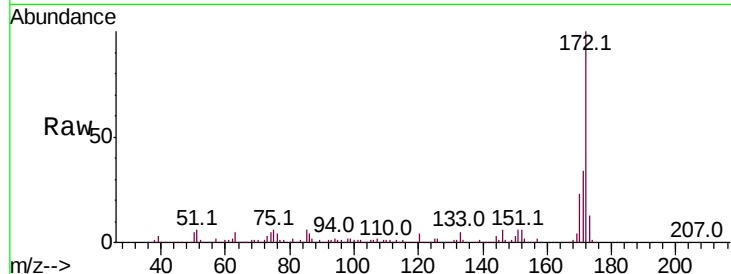
#45
2-Fluorobiphenyl
Concen: 73.317 ng
RT: 12.59 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	904277		
171	33.9		27.8	41.6
170	22.7		18.5	27.7

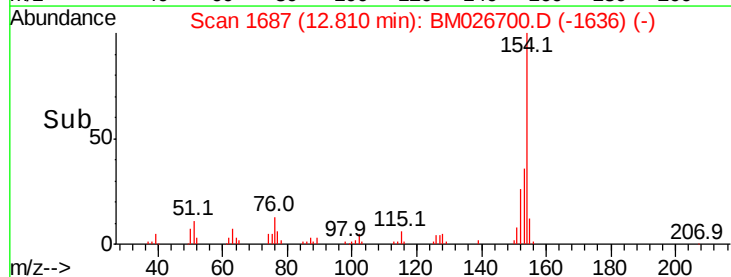
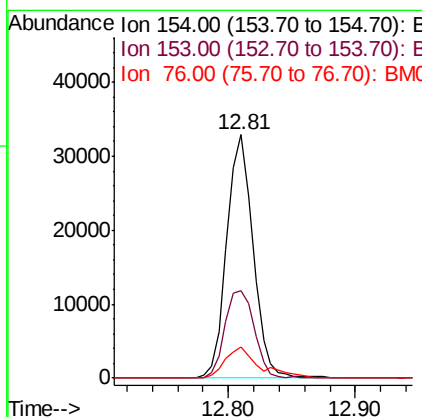
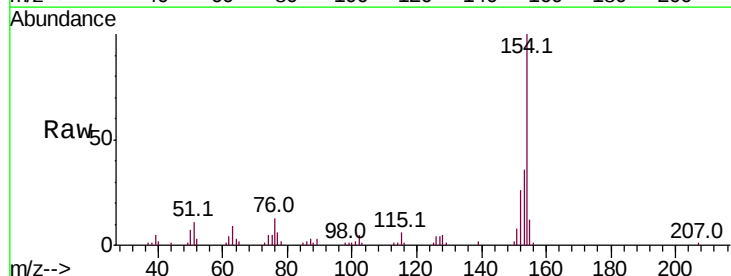
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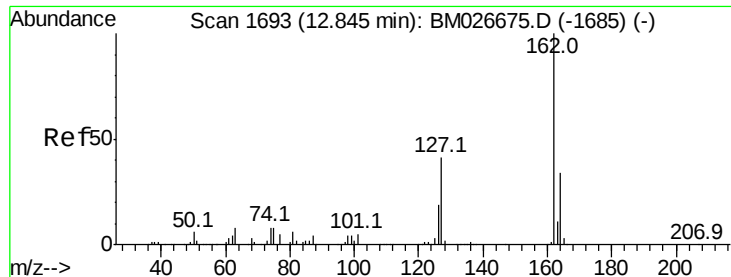
mohammad
7/9/2020 10:59:37 AM



#46
1,1'-Biphenyl
Concen: 3.659 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	47396		
153	35.8		20.9	60.9
76	12.8		0.0	35.2





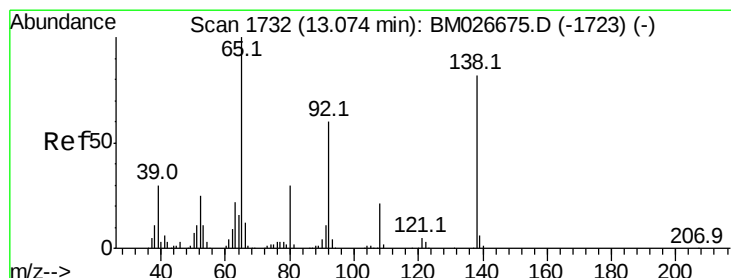
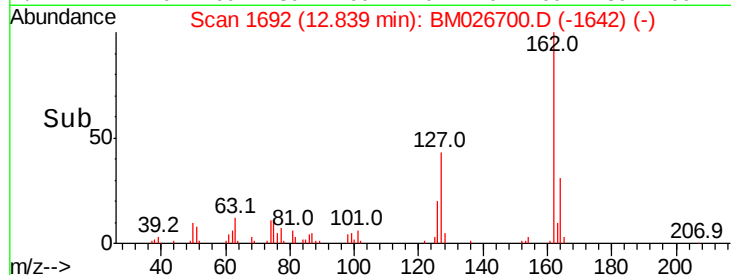
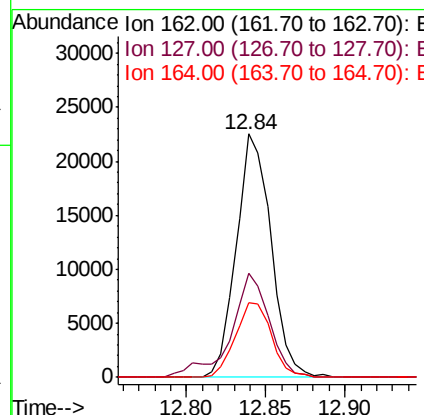
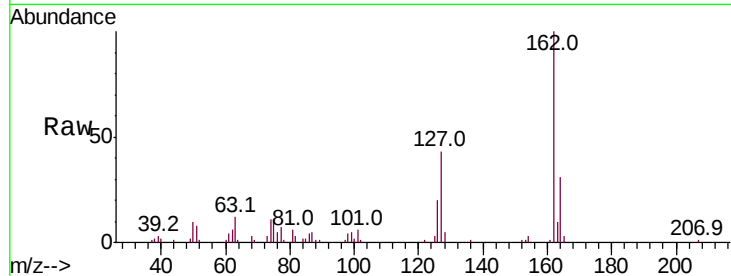
#47
2-Chloronaphthalene
Concen: 3.269 ng
RT: 12.84 min Scan# 1692
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.9	34.0	51.0
164	30.8	26.9	40.3

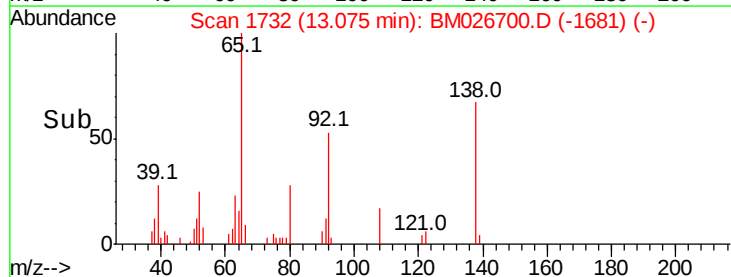
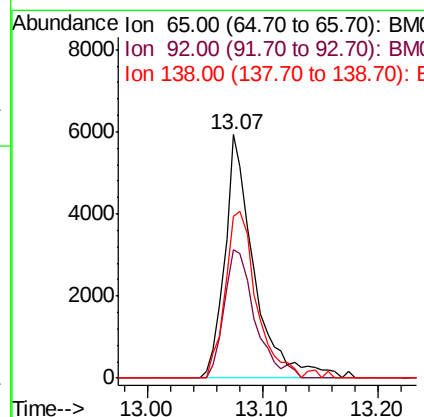
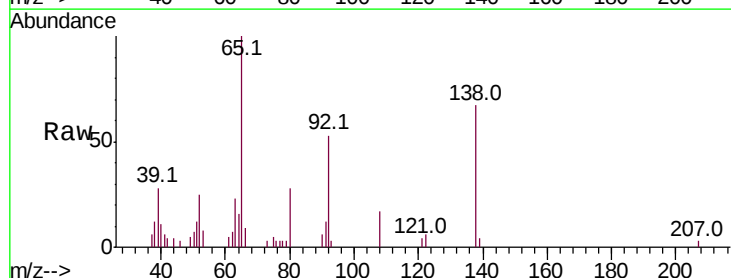
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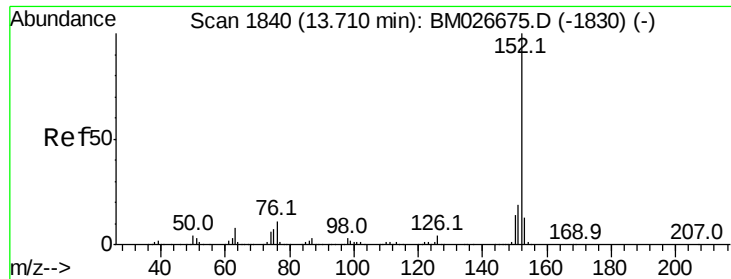
mohammad
7/9/2020 10:59:37 AM



#48
2-Nitroaniline
Concen: 2.419 ng
RT: 13.07 min Scan# 1732
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
65	100		
92	52.9	47.8	71.8
138	66.5	65.6	98.4





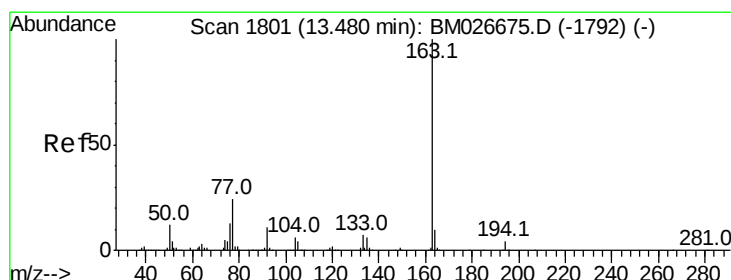
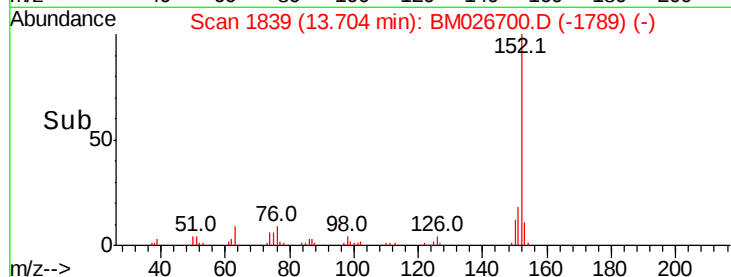
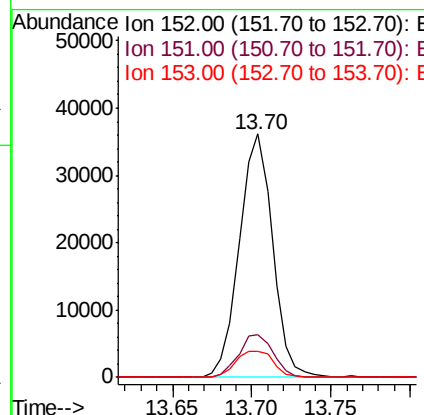
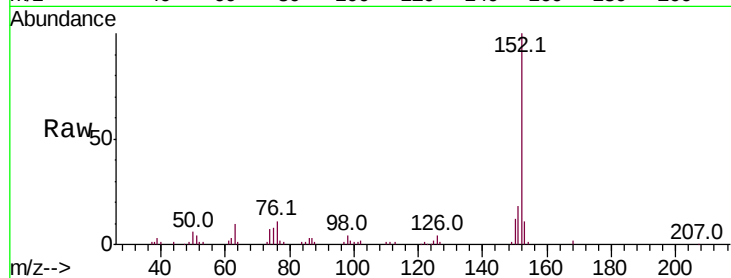
#49
Acenaphthylene
Concen: 3.147 ng
RT: 13.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.8	15.6	23.4
153	10.7	10.4	15.6

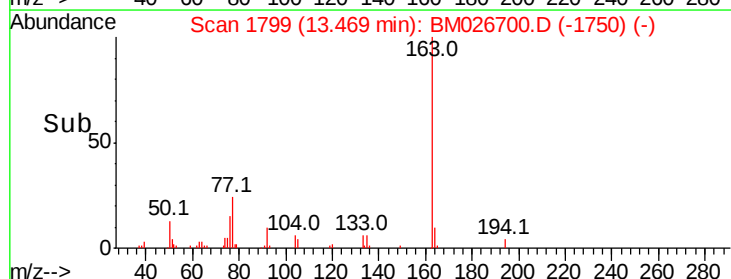
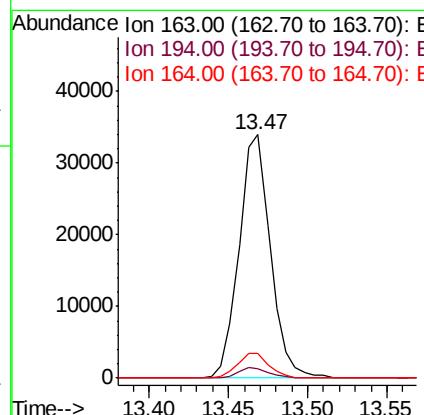
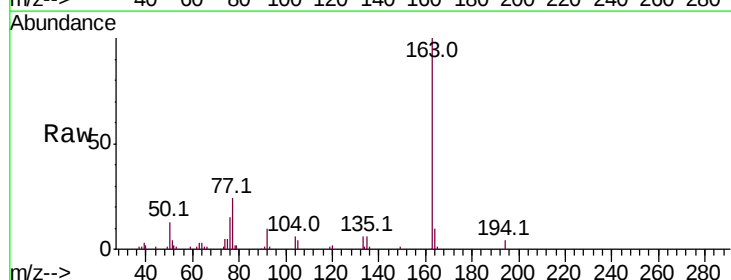
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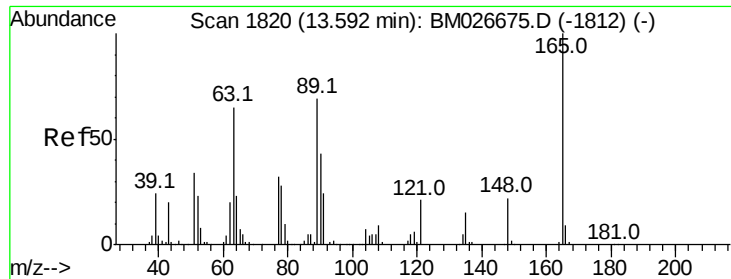
mohammad
7/9/2020 10:59:37 AM



#50
Dimethylphthalate
Concen: 3.312 ng
RT: 13.47 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.3	7.8	11.6





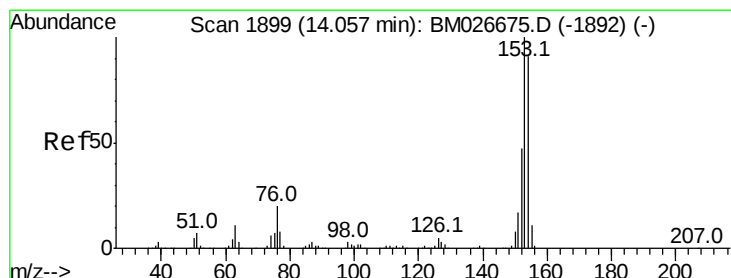
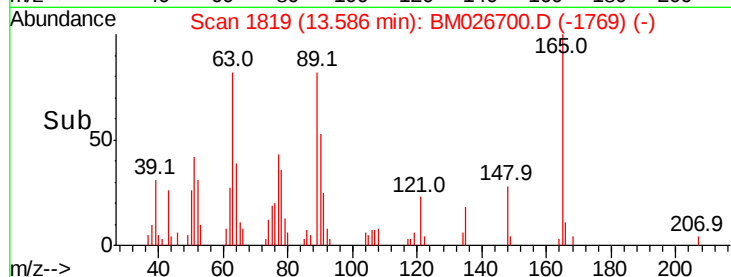
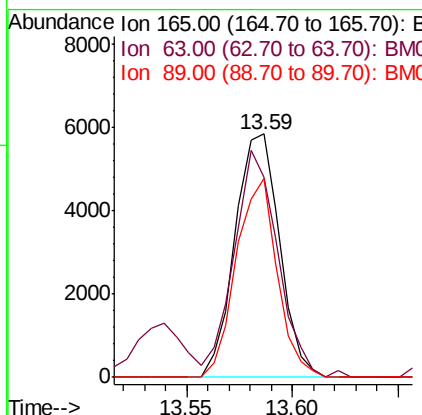
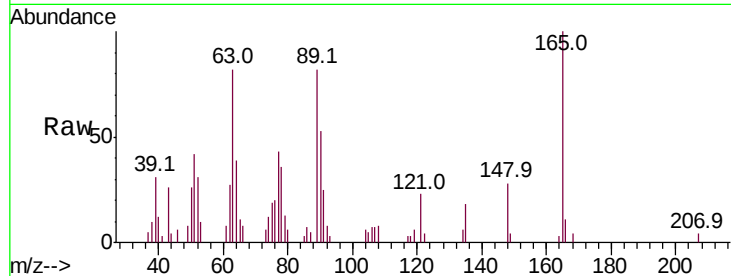
#51
2,6-Dinitrotoluene
Concen: 2.848 ng
RT: 13.59 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100	8554		
63	82.4	61.1	91.7	
89	81.9	54.9	82.3	

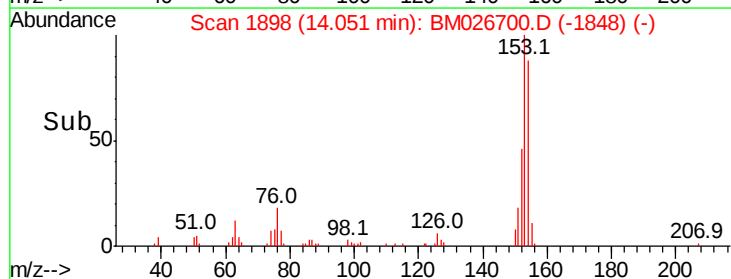
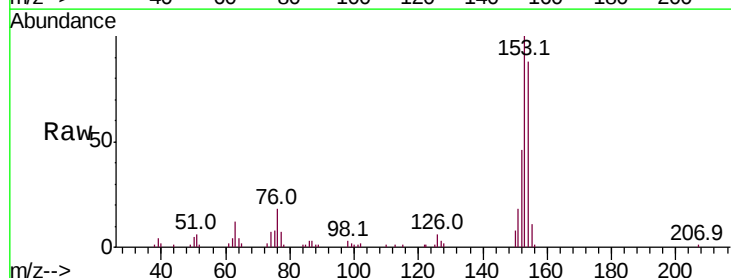
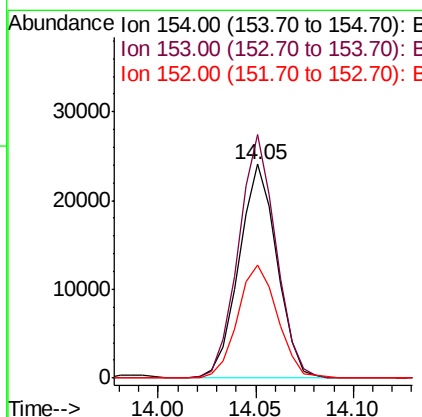
Manual Integrations
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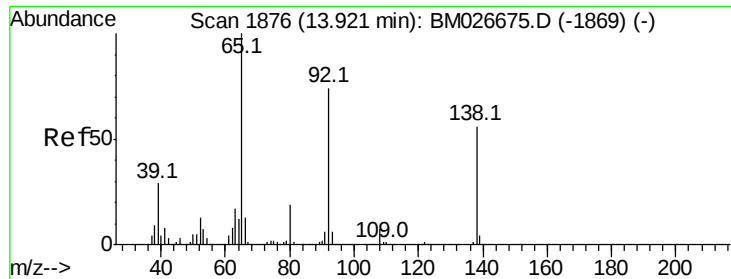
mohammad
7/9/2020 10:59:37 AM



#52
Acenaphthene
Concen: 3.205 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	32580		
153	114.0	88.3	132.5	
152	52.9	41.1	61.7	





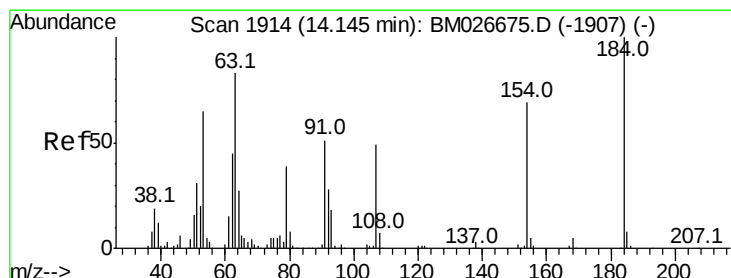
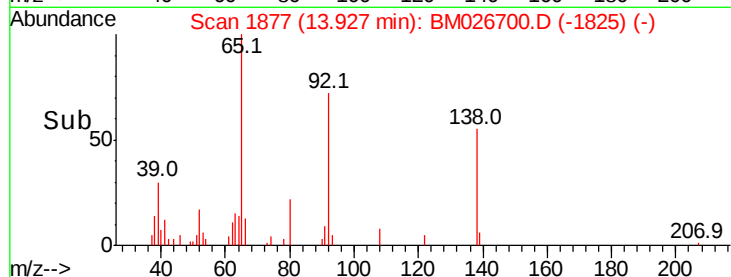
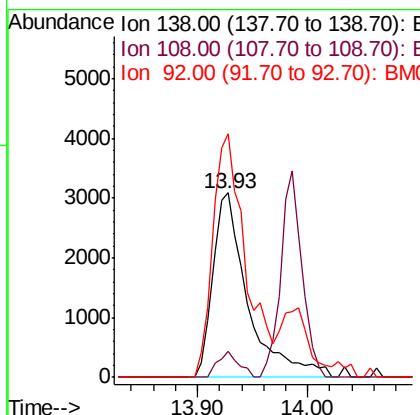
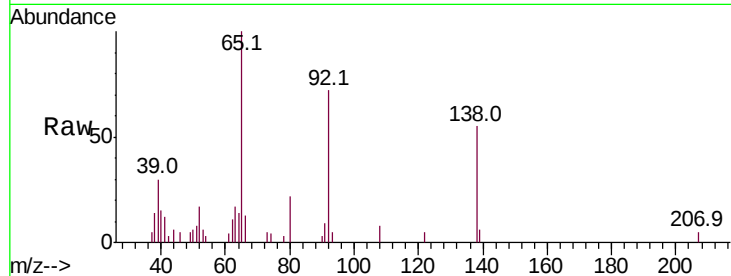
#53
 3-Nitroaniline
 Concen: 2.167 ng
 RT: 13.93 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion:138 Resp: 6773
 Ion Ratio Lower Upper
 138 100
 108 14.0 9.7 14.5
 92 132.1 105.6 158.4

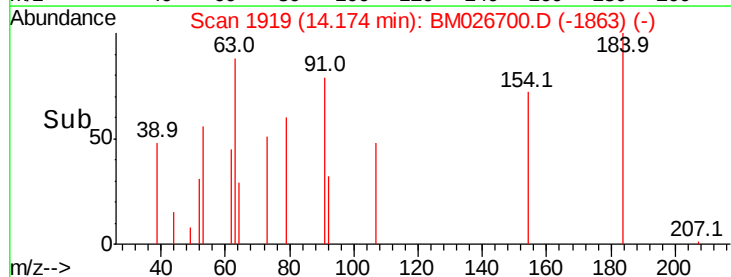
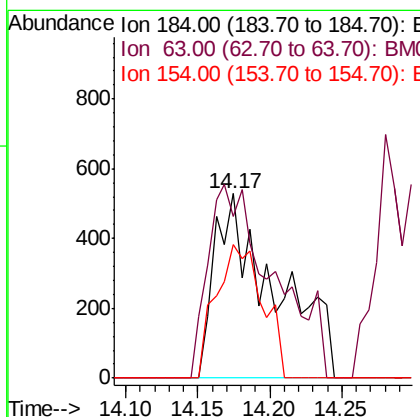
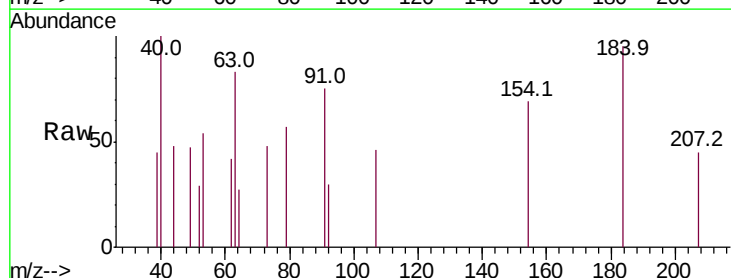
Manual Integrations
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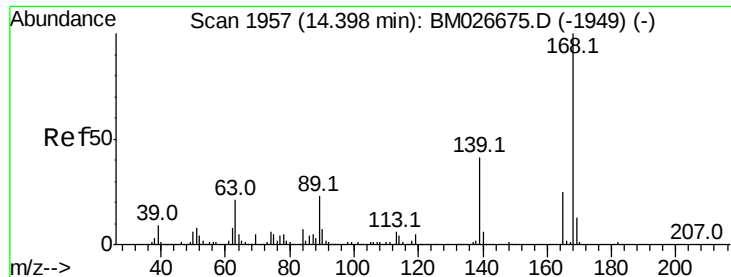
mohammad
 7/9/2020 10:59:37 AM



#54
 2,4-Dinitrophenol
 Concen: 0.874 ng m
 RT: 14.17 min Scan# 1919
 Delta R.T. 0.03 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion:184 Resp: 1537
 Ion Ratio Lower Upper
 184 100
 63 87.7 66.2 99.4
 154 72.4 55.2 82.8





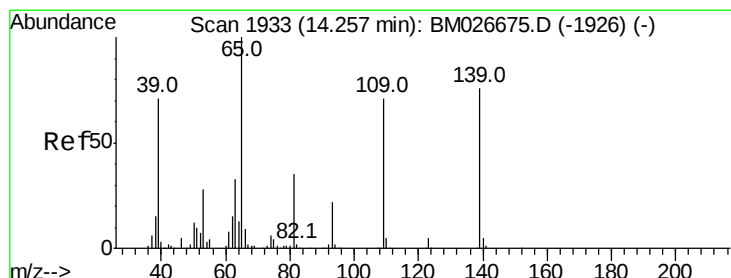
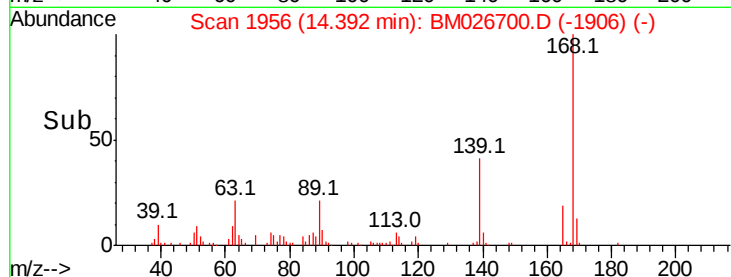
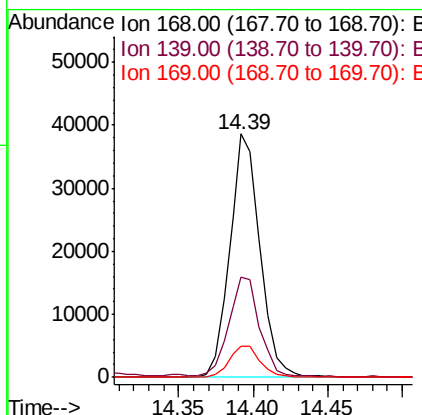
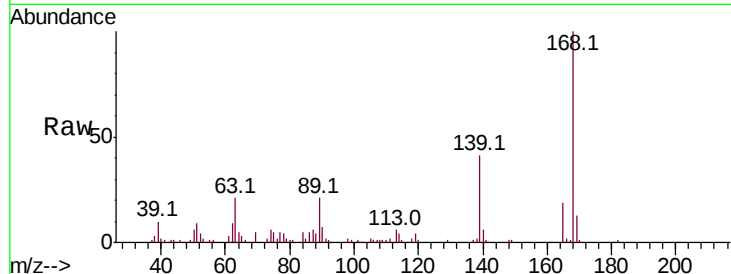
#55
Dibenzofuran
Concen: 3.259 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.6	48.8
169	12.6	10.5	15.7

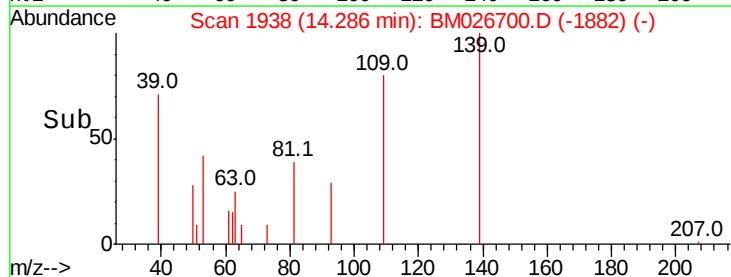
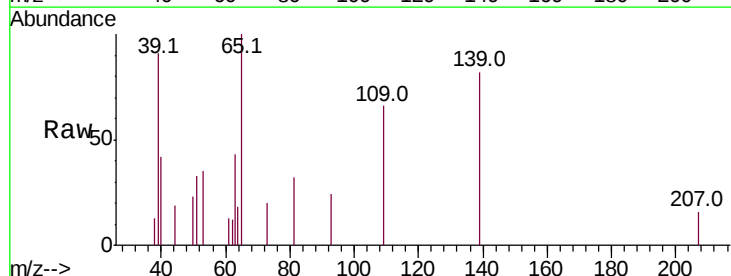
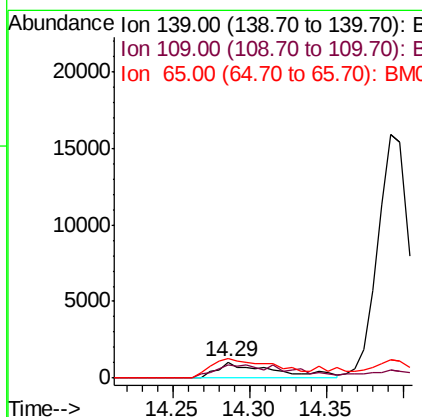
Manual Integrations
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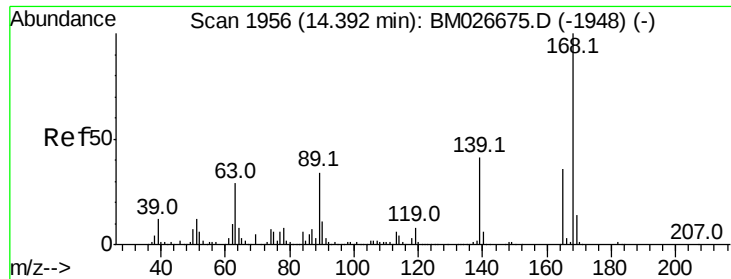
mohammad
7/9/2020 10:59:37 AM



#56
4-Nitrophenol
Concen: 1.092 ng m
RT: 14.29 min Scan# 1938
Delta R.T. 0.03 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
139	100		
109	79.9	73.7	113.7
65	121.4	111.5	151.5





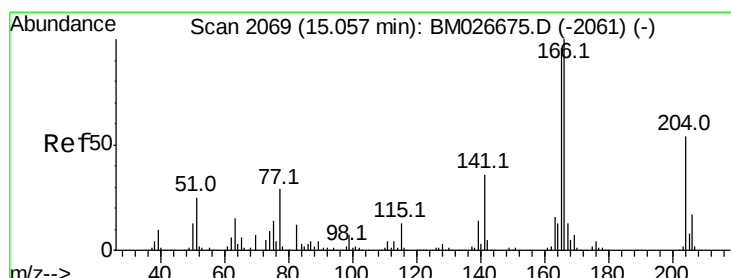
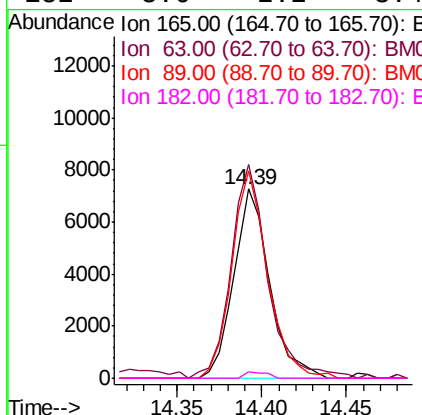
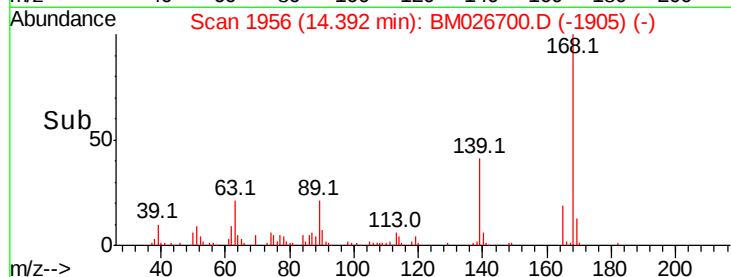
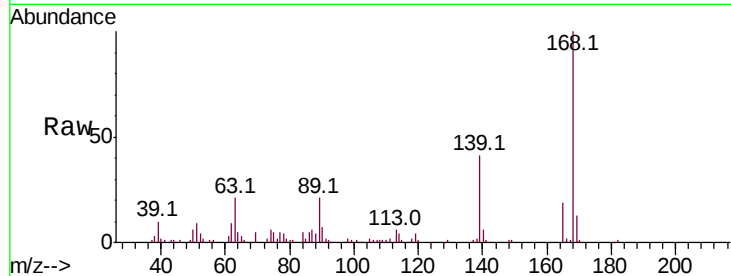
#57
2,4-Dinitrotoluene
Concen: 2.469 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	113.0	64.6	97.0#	
89	110.1	75.4	113.2	
182	3.6	2.2	3.4#	

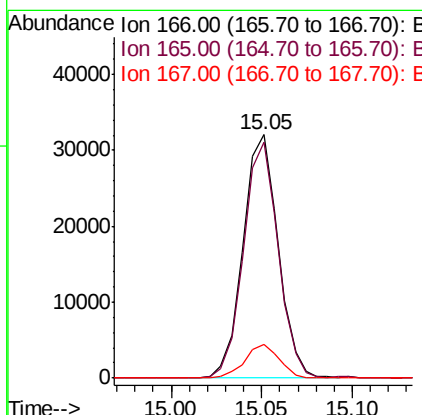
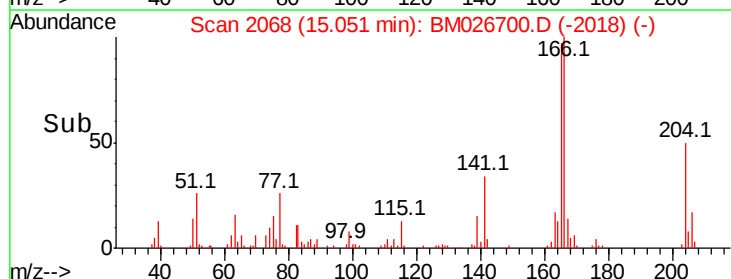
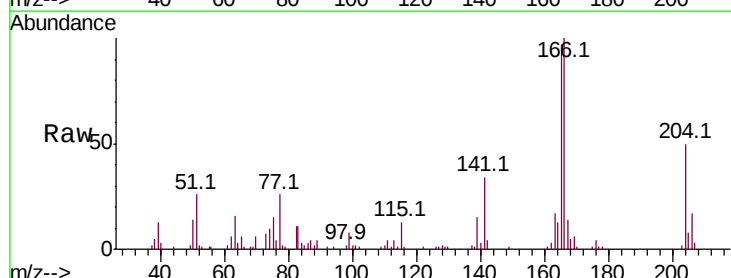
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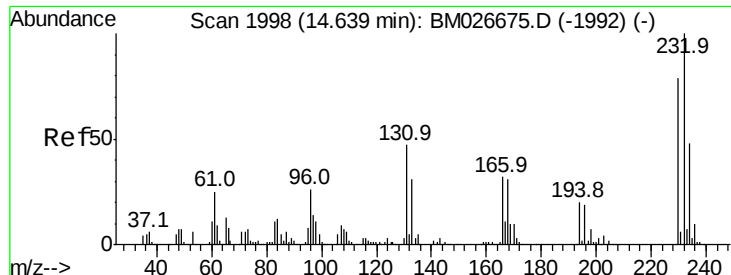
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#58
Fluorene
Concen: 3.130 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.2	77.1	115.7	
167	13.7	10.8	16.2	





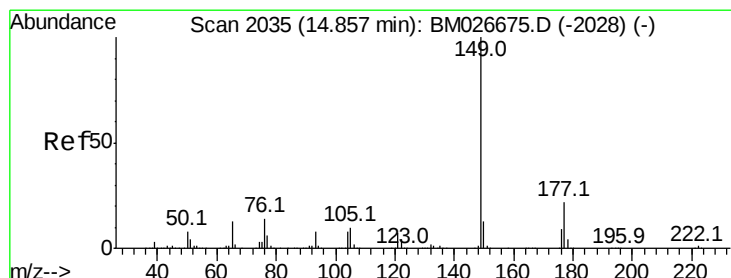
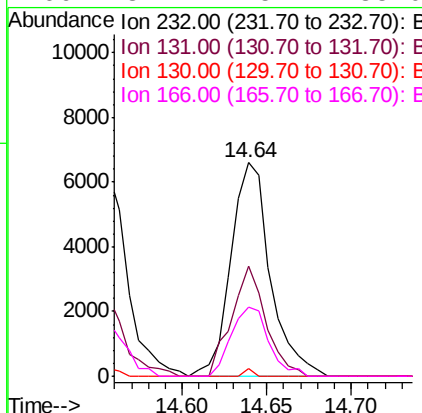
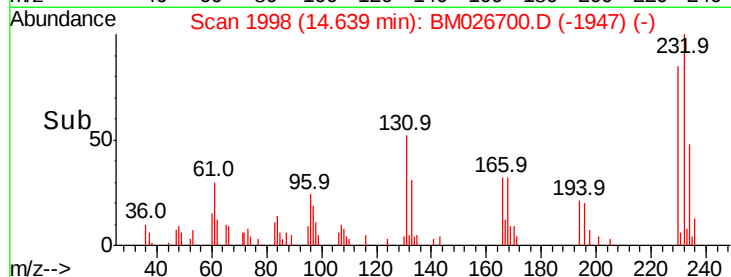
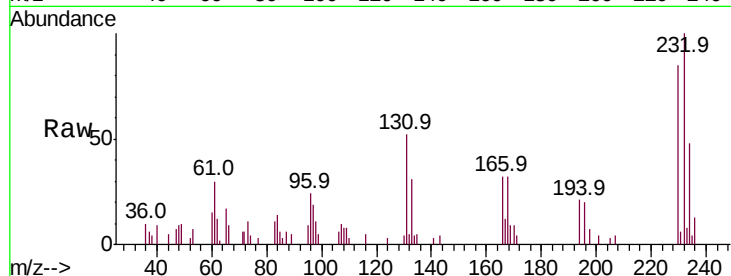
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.001 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.0	38.4	57.6
130	0.8	2.2	3.2
166	31.1	25.4	38.0

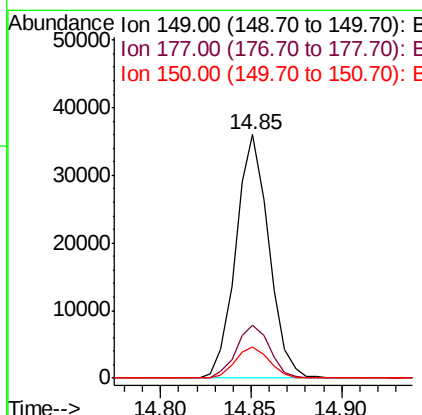
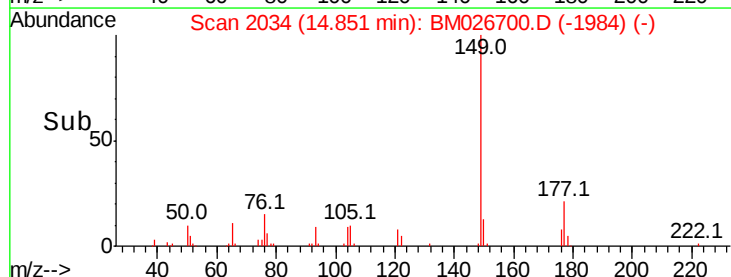
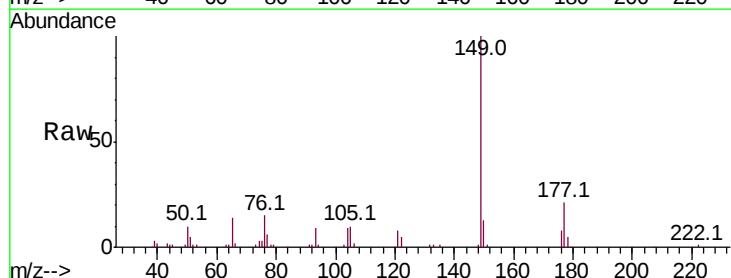
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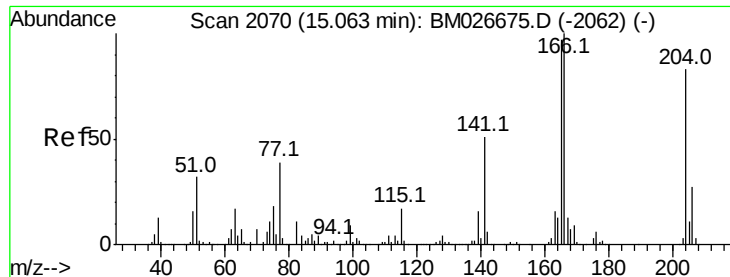
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#60
 Diethylphthalate
 Concen: 3.071 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.8	26.6
150	12.8	10.2	15.4





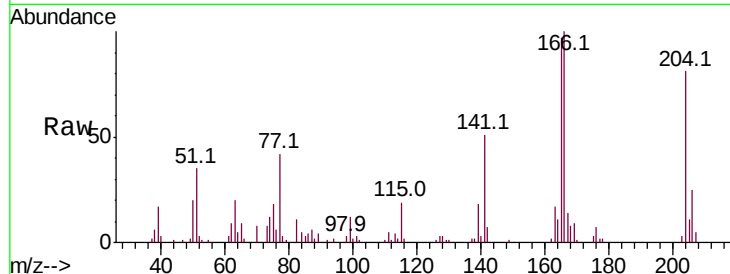
#61
4-Chlorophenyl-phenylether
Concen: 3.201 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.0	25.9	38.9
141	63.1	49.5	74.3

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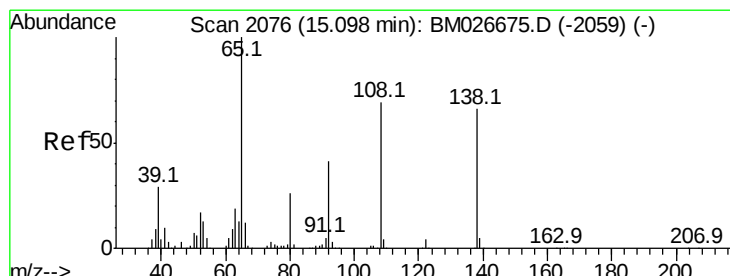
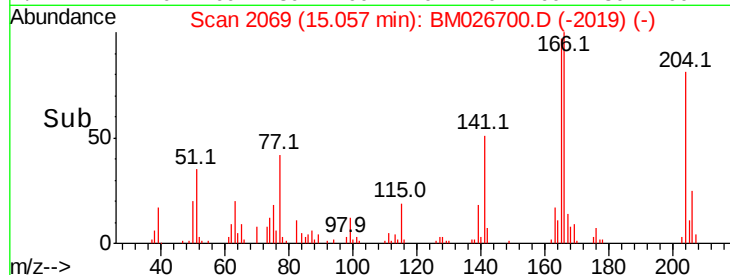
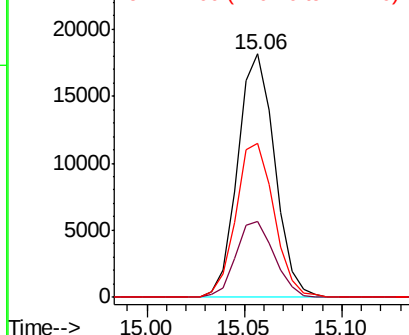


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 1.588 ng m
RT: 15.10 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

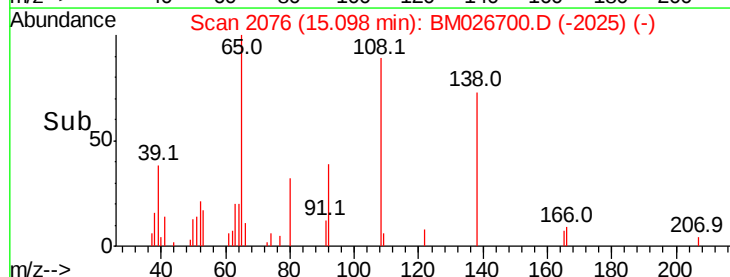
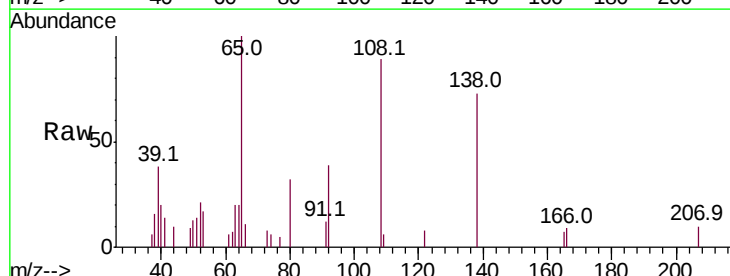
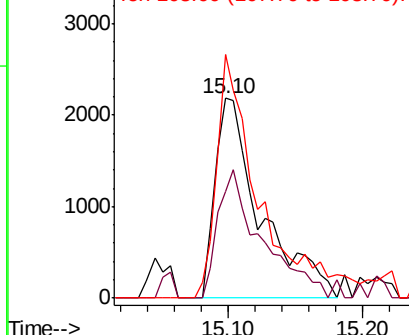
Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.3	41.5	81.5
108	121.9	84.8	124.8

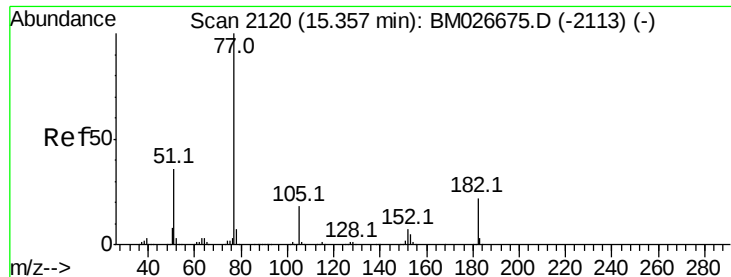
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 3.016 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

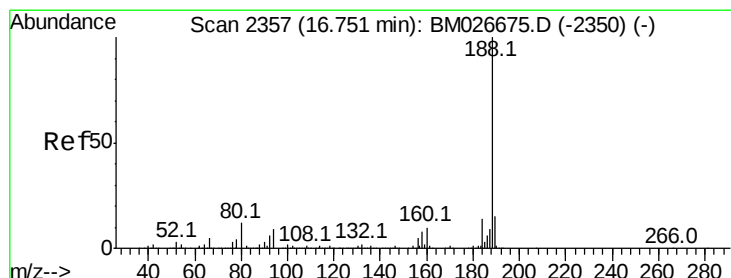
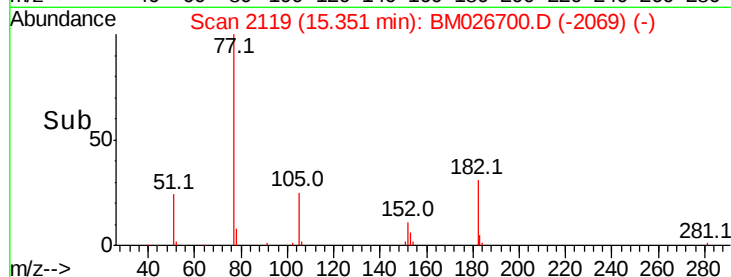
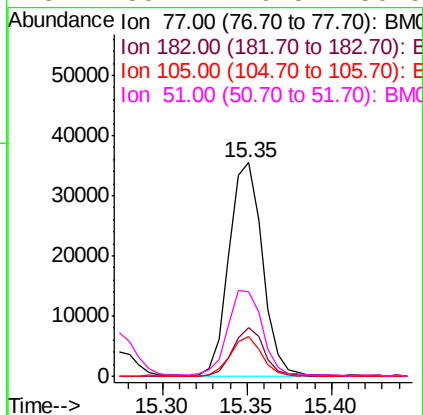
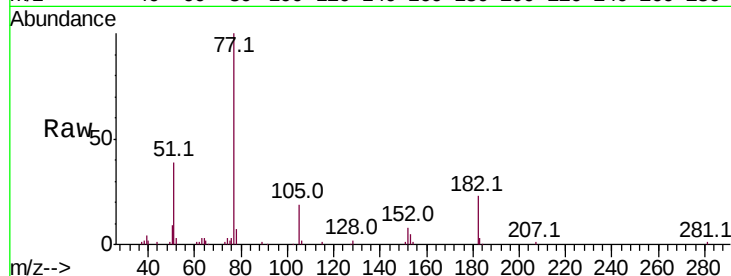
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
77	100		
182	22.7	1.6	41.6
105	18.5	0.0	37.8
51	39.4	16.5	56.5

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#64

Phenanthrene-d10

Concen: 20.000 ng

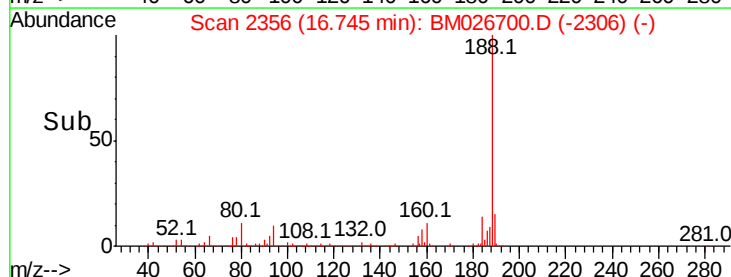
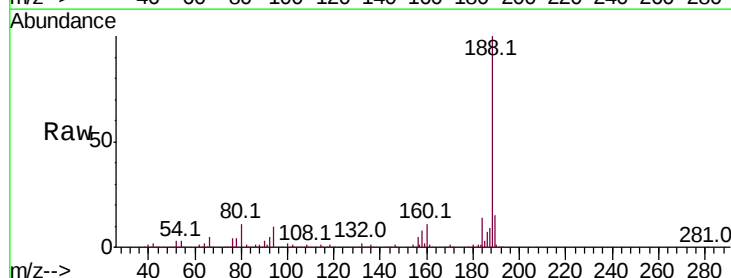
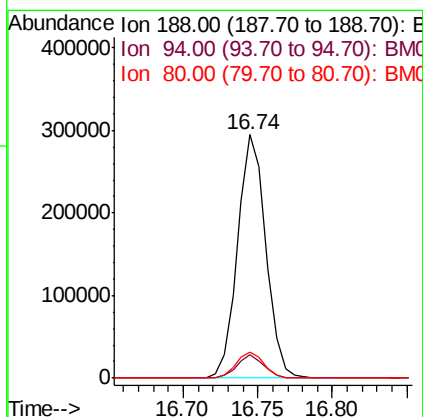
RT: 16.74 min Scan# 2356

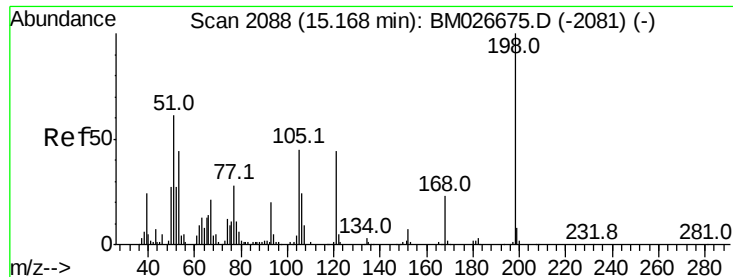
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.4	11.0
80	10.5	9.3	13.9





#65

4,6-Dinitro-2-methylphenol

Concen: 1.473 ng

RT: 15.17 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

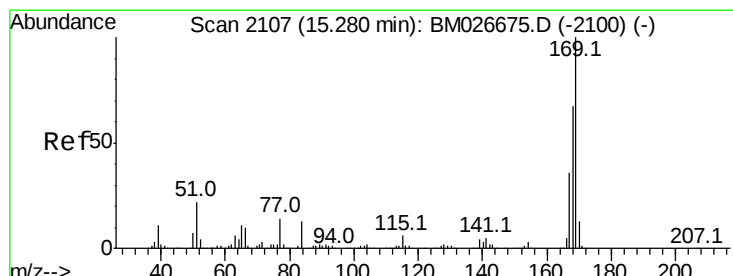
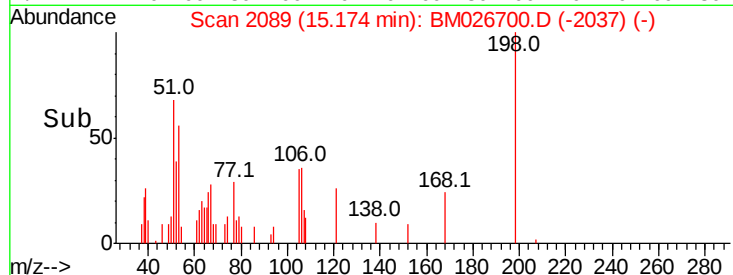
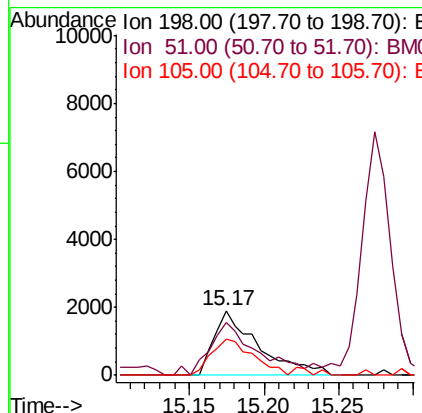
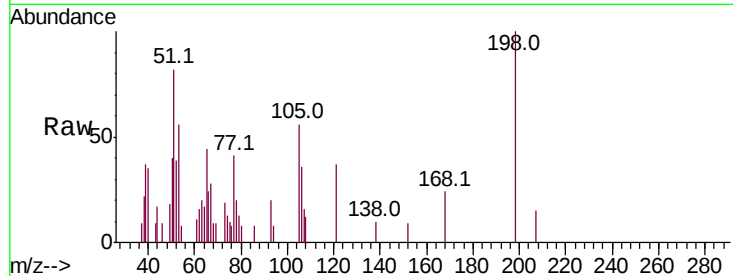
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	198	Resp:	3879
Ion Ratio	Lower	Upper	
198	100		
51	82.4	42.0	82.0#
105	56.3	24.9	64.9

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#66

n-Nitrosodiphenylamine

Concen: 3.065 ng

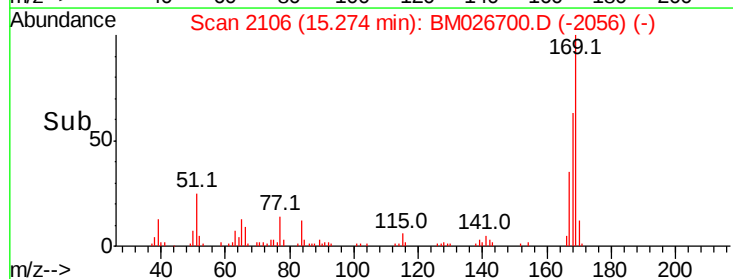
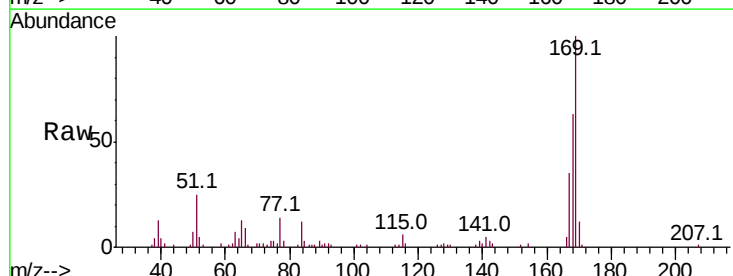
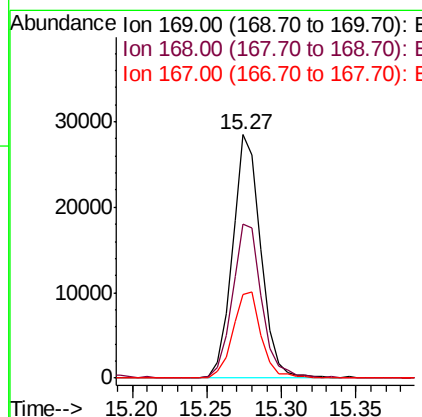
RT: 15.27 min Scan# 2106

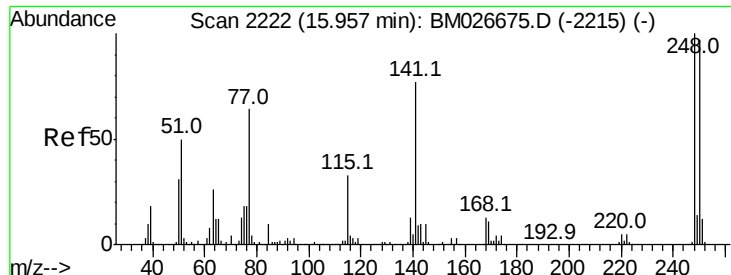
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:	169	Resp:	37711
Ion Ratio	Lower	Upper	
169	100		
168	63.0	53.8	80.8
167	34.5	28.6	43.0





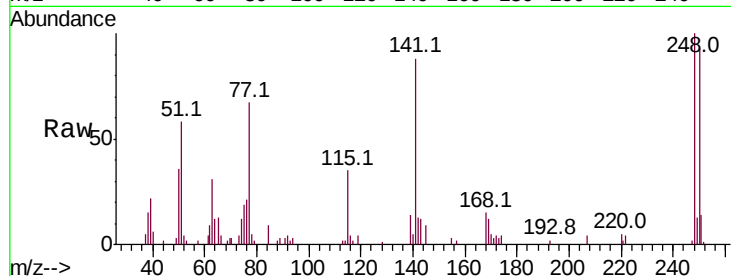
#67
 4-Bromophenyl-phenylether
 Concen: 3.012 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	92.6	77.4	116.2
141	88.5	61.9	92.9

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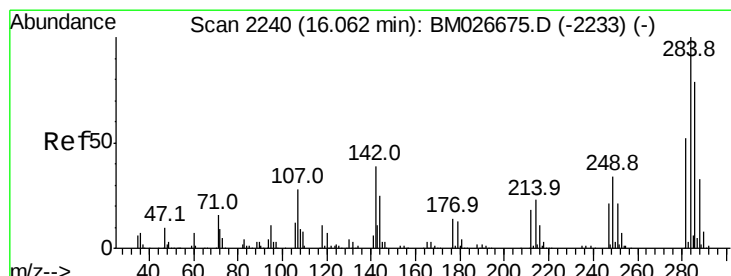
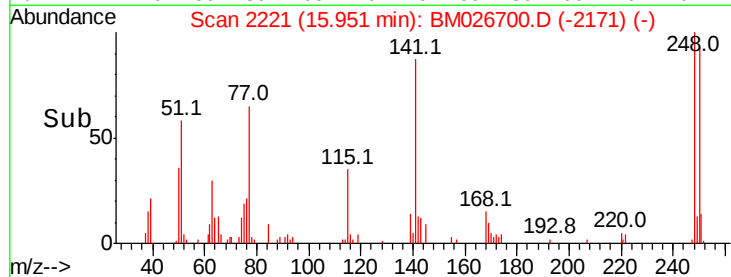
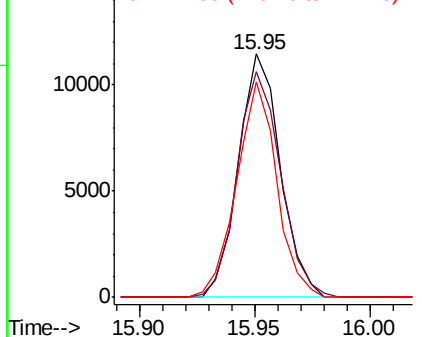


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 3.400 ng
 RT: 16.06 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

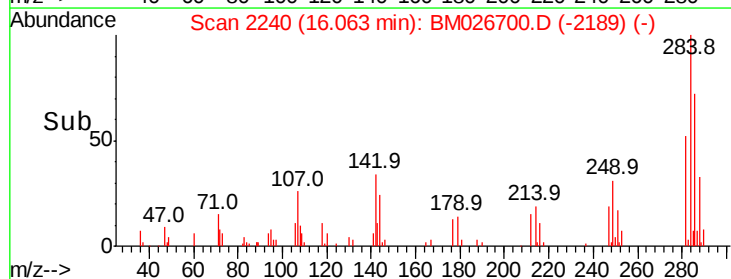
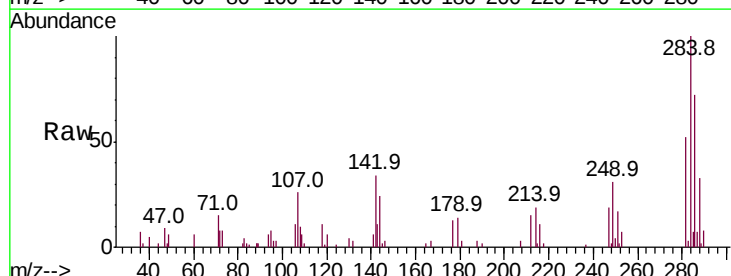
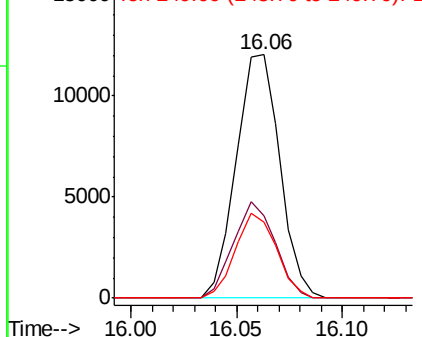
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.0	31.1	46.7
249	31.3	27.4	41.0

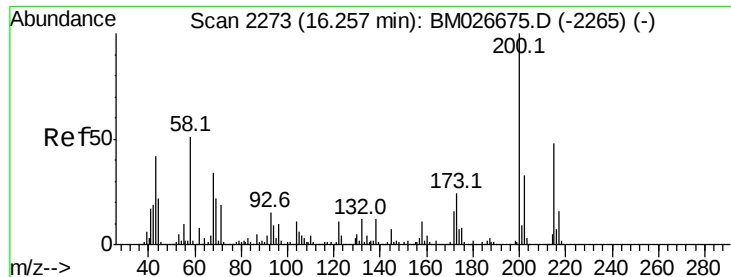
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





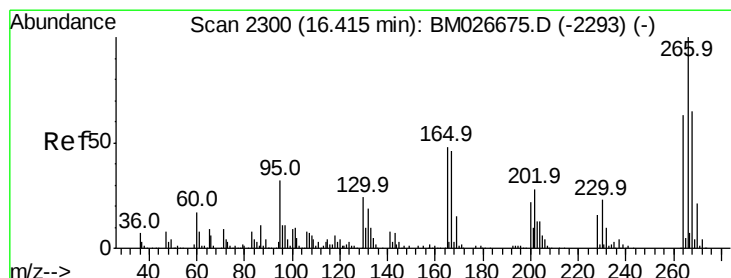
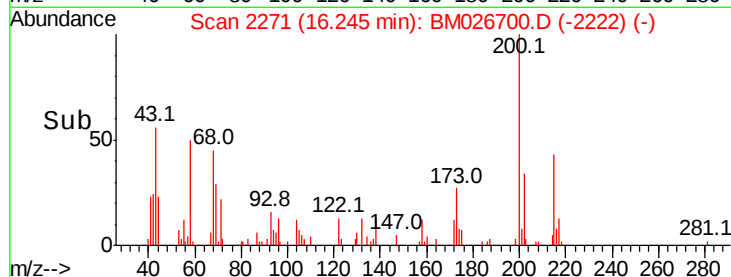
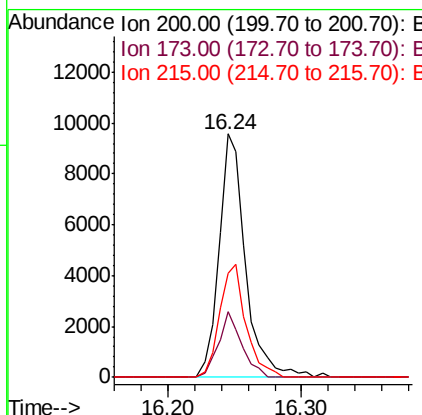
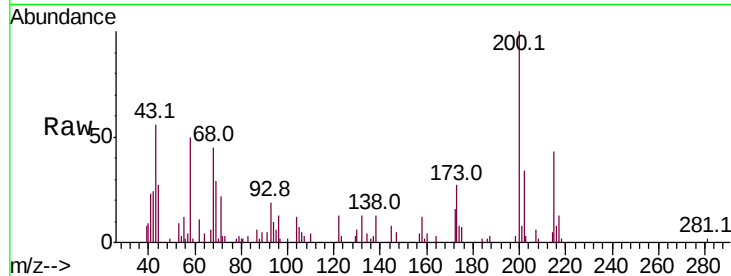
#69
Atrazine
Concen: 3.596 ng
RT: 16.24 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.0	4.5	44.5
215	42.6	28.4	68.4

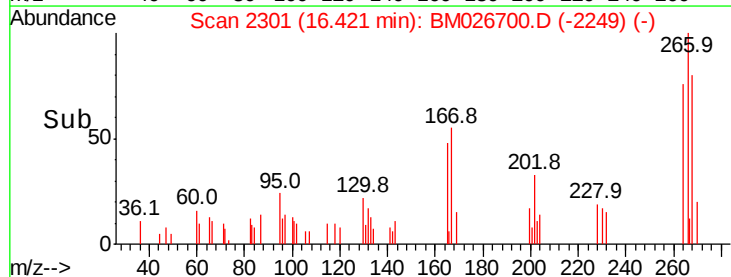
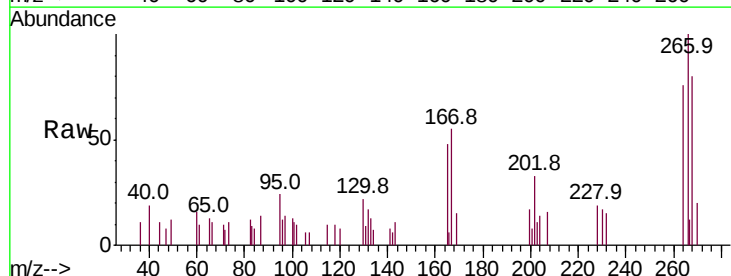
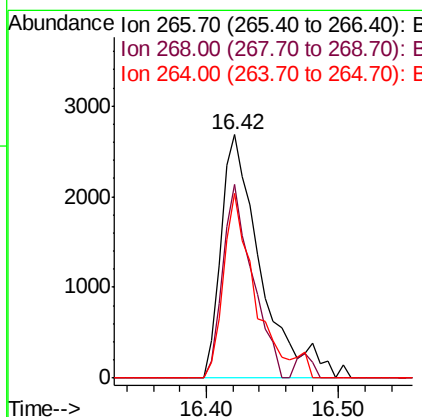
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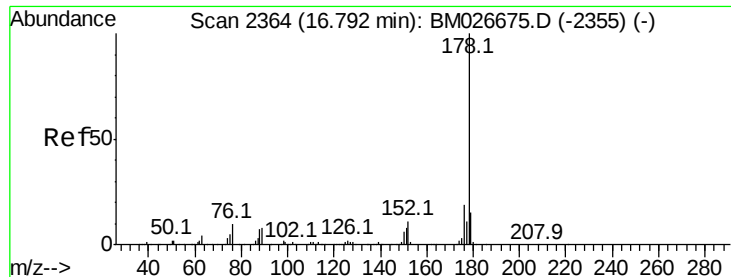
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#70
Pentachlorophenol
Concen: 1.949 ng m
RT: 16.42 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
266	100		
268	79.6	51.8	77.6#
264	75.9	50.1	75.1#





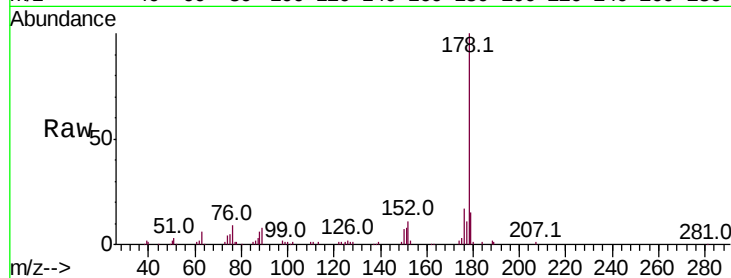
#71
Phenanthrene
Concen: 3.244 ng
RT: 16.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.0	22.6
179	15.1	12.1	18.1

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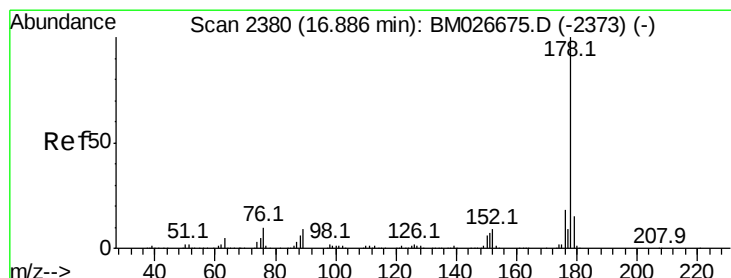
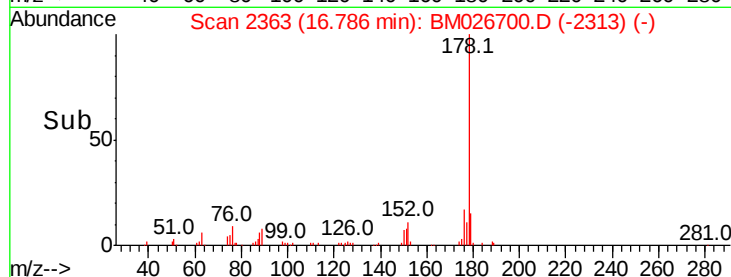
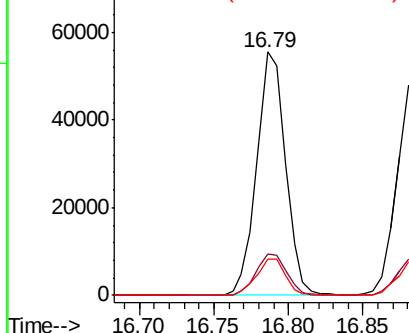


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 3.193 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

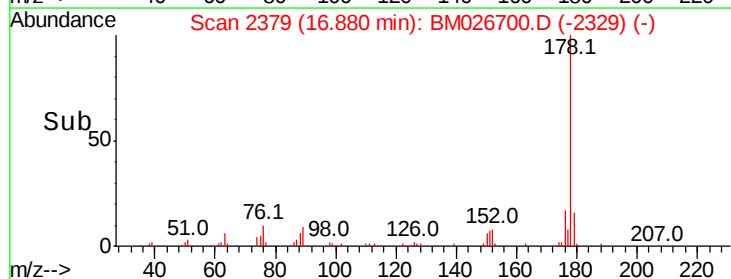
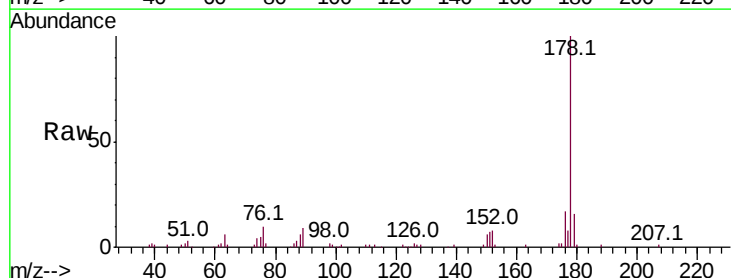
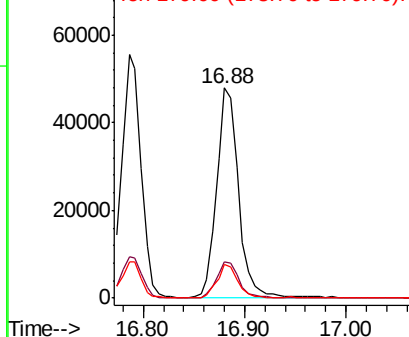
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.7	22.1
179	15.8	12.1	18.1

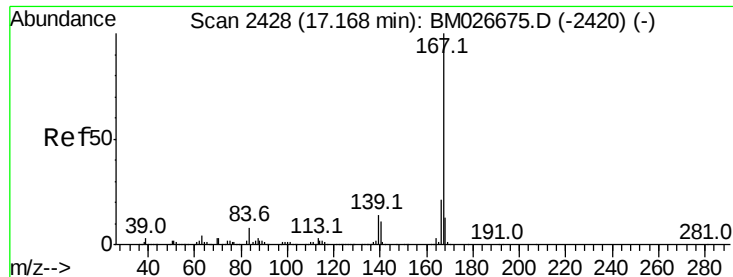
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





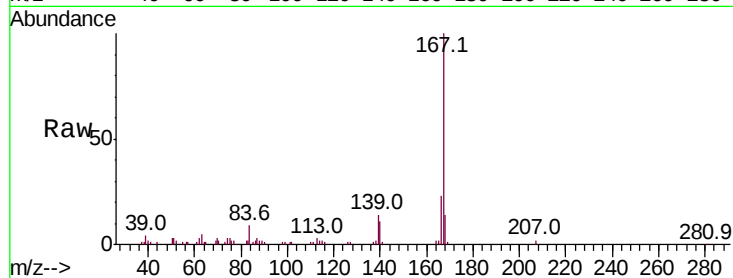
#73
 Carbazole
 Concen: 2.767 ng
 RT: 17.17 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

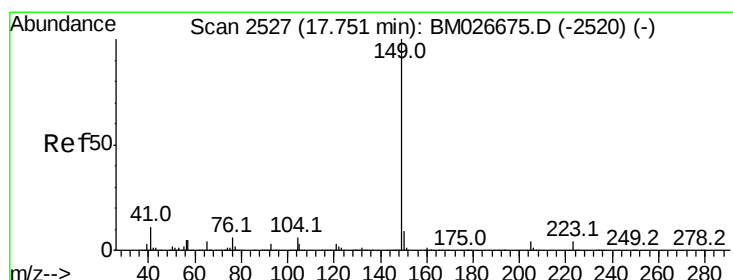
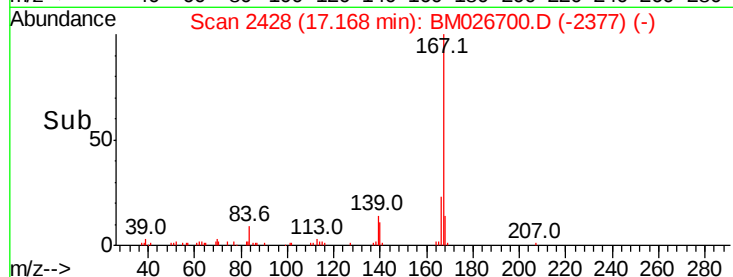
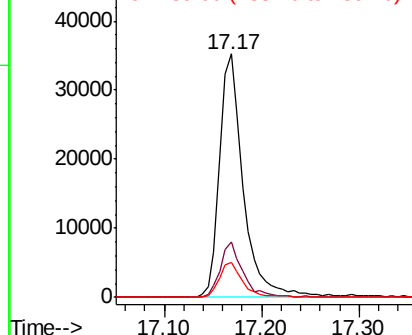
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	16.9	25.3
139	14.4	10.8	16.2

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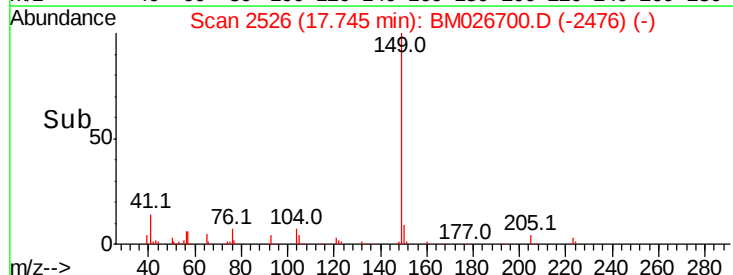
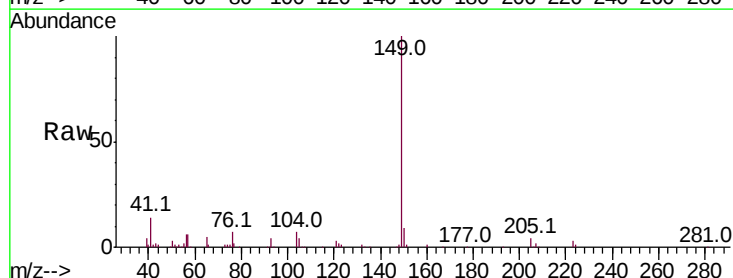
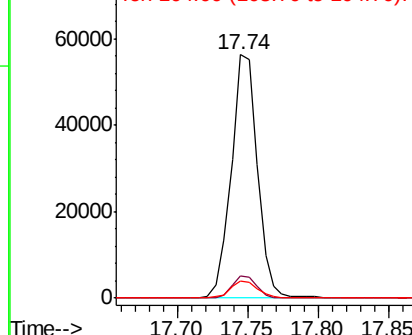
Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

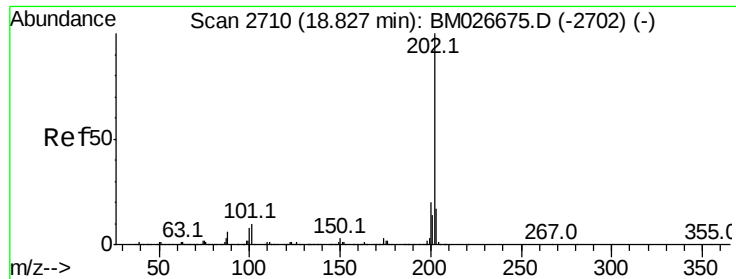


#74
 Di-n-butylphthalate
 Concen: 2.671 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	6.8	5.0	7.4

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





#75

Fluoranthene

Concen: 3.202 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

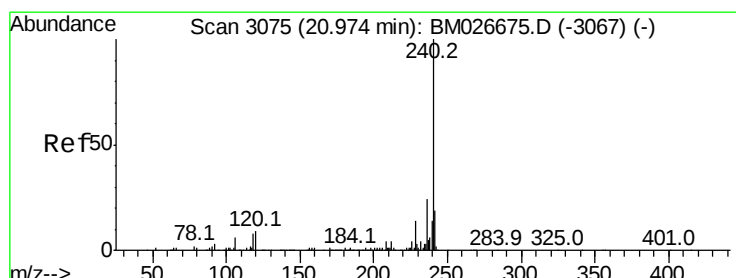
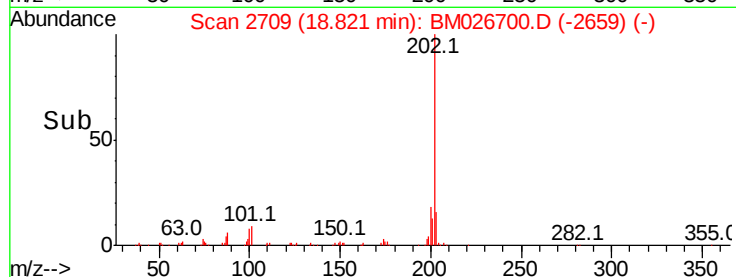
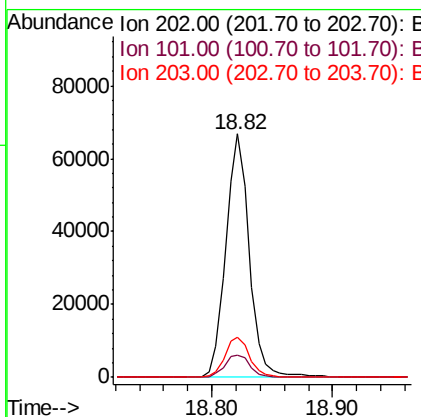
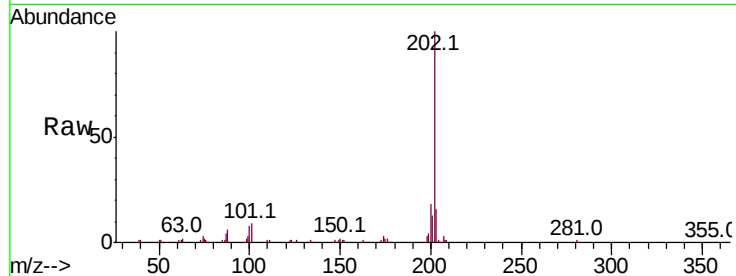
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	202	Resp:	90147
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	30.1
203	16.2	0.0	37.2

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#76

Chrysene-d12

Concen: 20.000 ng

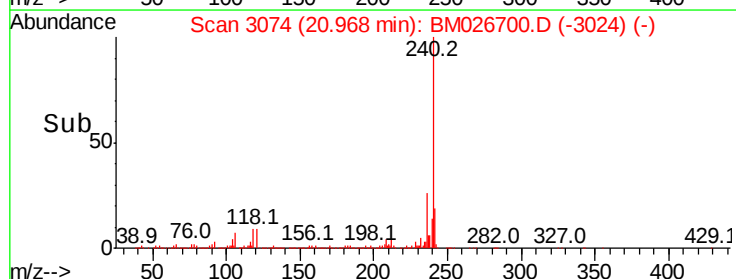
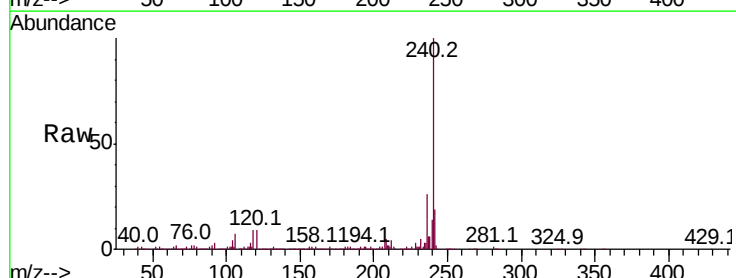
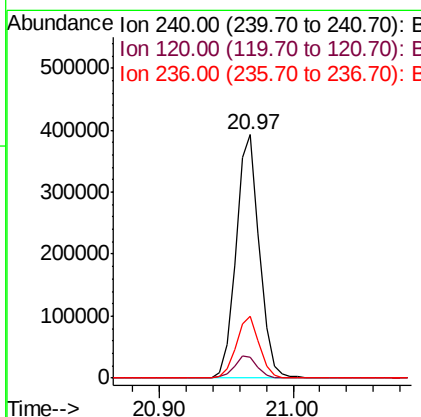
RT: 20.97 min Scan# 3074

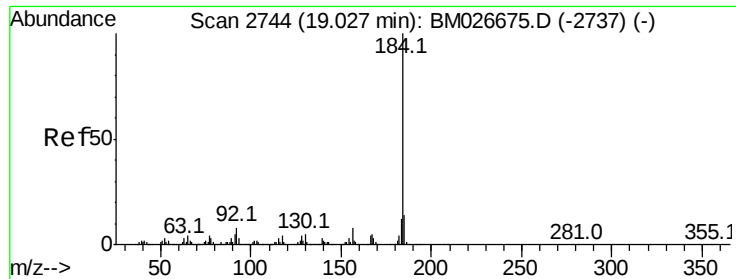
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:	240	Resp:	475372
Ion Ratio	Lower	Upper	
240	100		
120	8.8	7.3	10.9
236	25.6	19.4	29.2





#77

Benzidine

Concen: 2.589 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

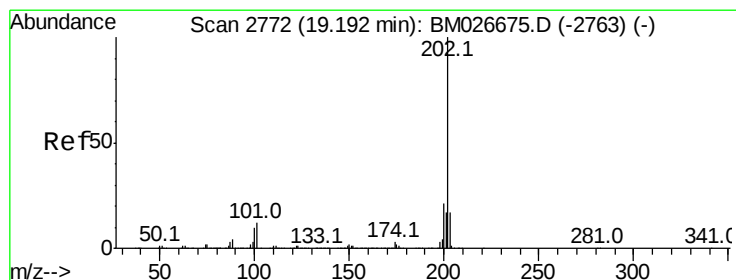
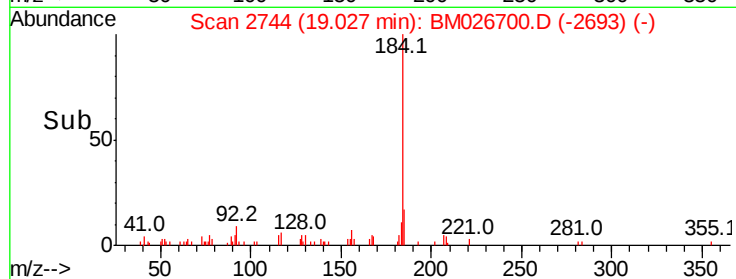
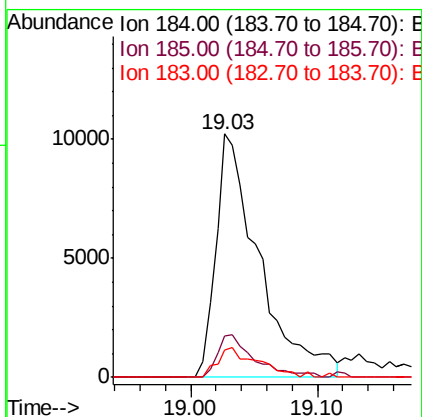
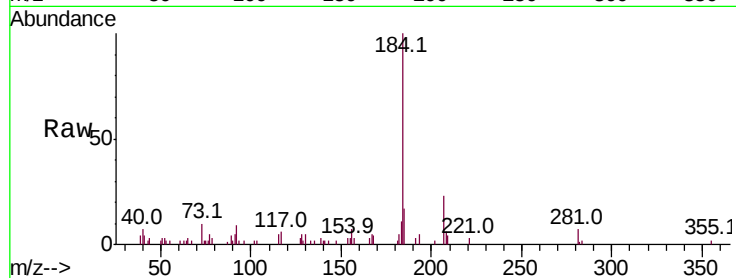
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	24263
Ion Ratio	Lower	Upper	
184	100		
185	17.1	10.9	16.3#
183	11.3	9.3	13.9

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#78

Pyrene

Concen: 3.169 ng

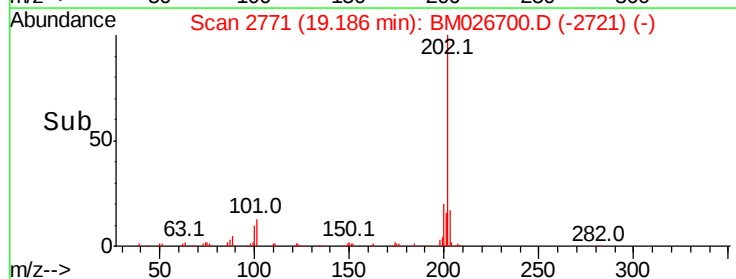
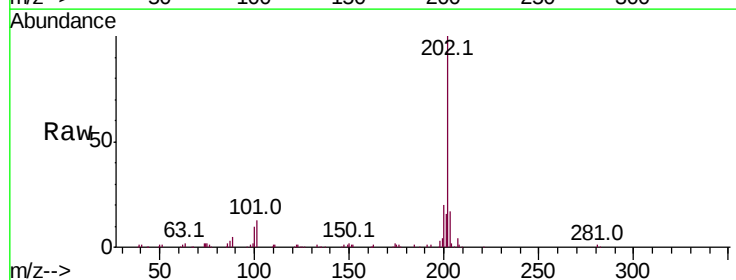
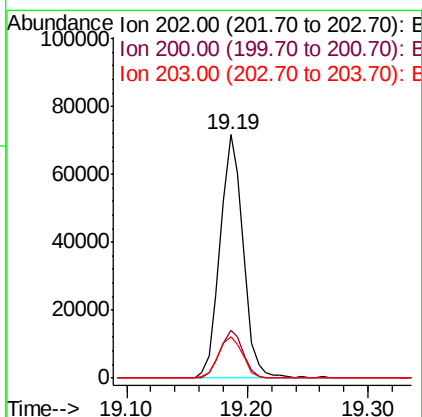
RT: 19.19 min Scan# 2771

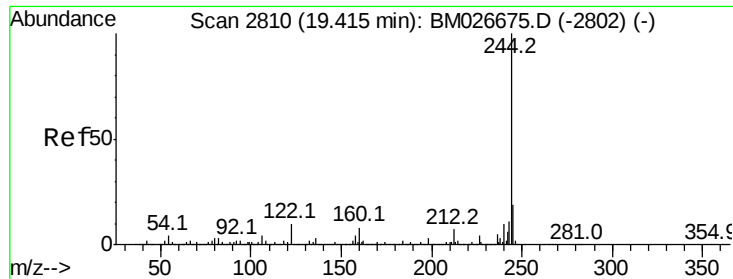
Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:	202	Resp:	94910
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.6	24.8
203	17.1	13.7	20.5





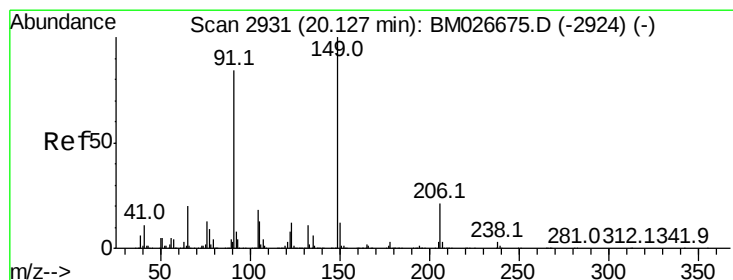
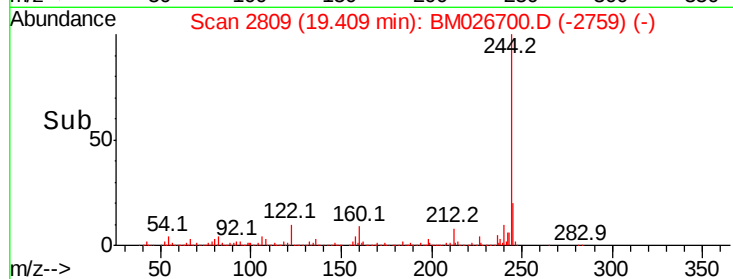
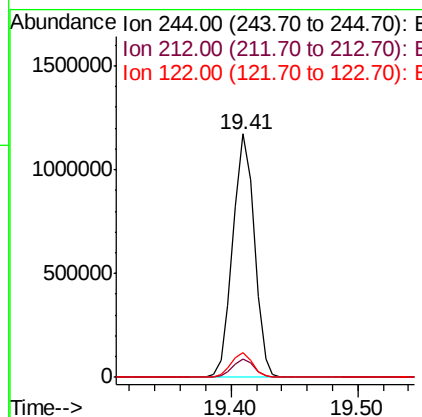
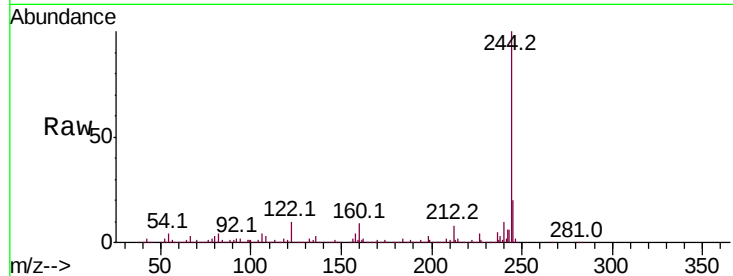
#79
 Terphenyl-d14
 Concen: 56.921 ng
 RT: 19.41 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.9	8.9
122	10.1	8.2	12.4

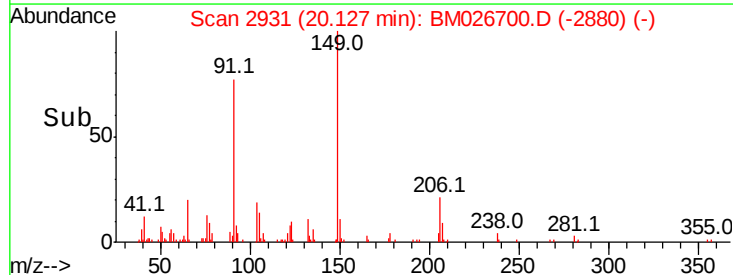
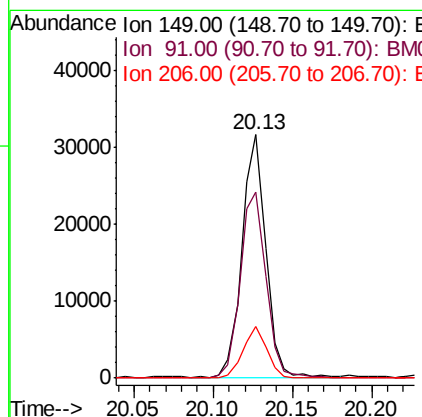
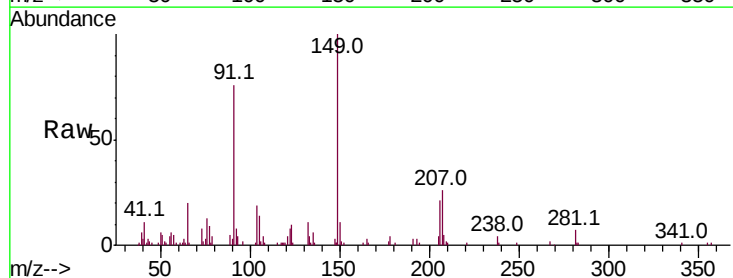
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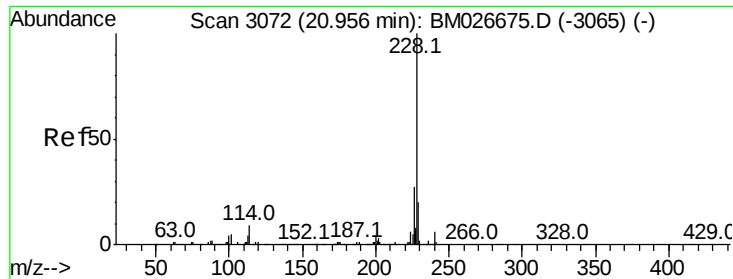
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#80
 Butylbenzylphthalate
 Concen: 2.477 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.3	67.6	101.4
206	21.1	16.7	25.1





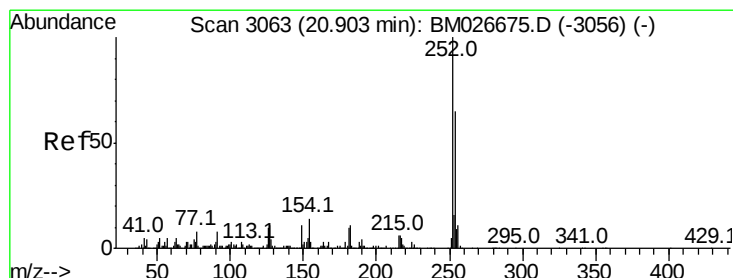
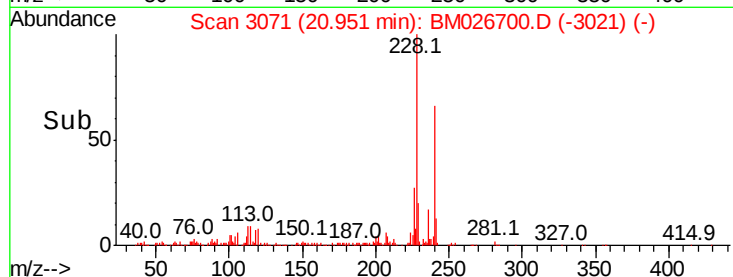
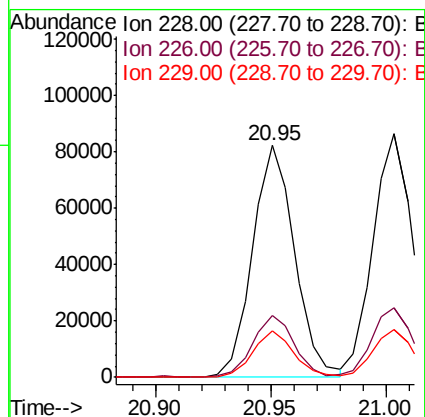
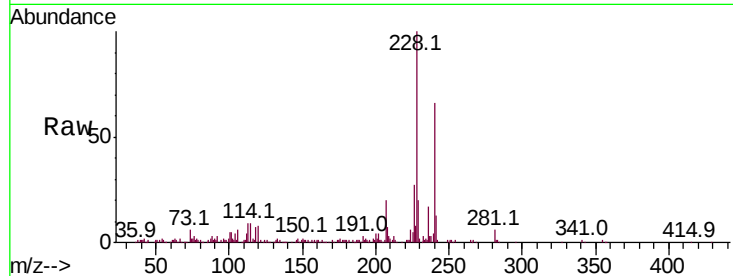
#81
Benzo(a)anthracene
Concen: 3.277 ng
RT: 20.95 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.8	15.6	23.4

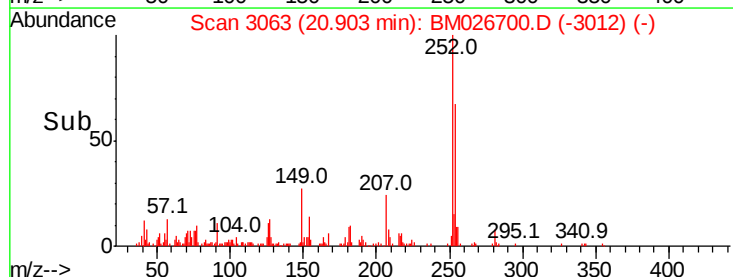
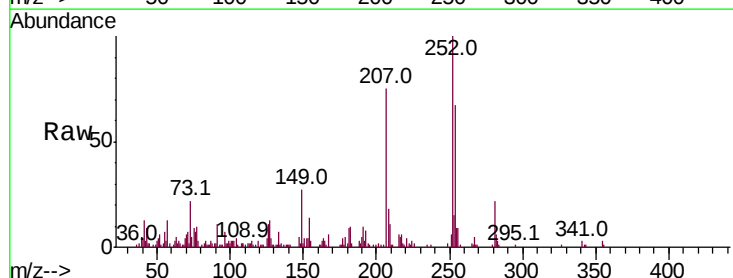
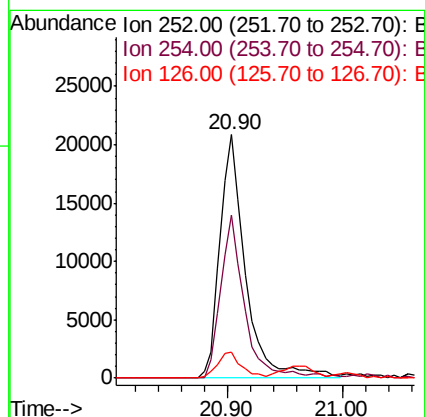
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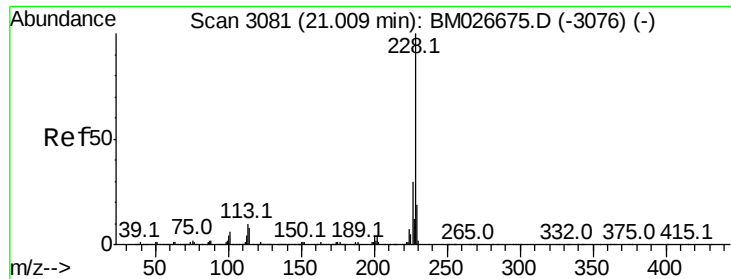
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 3.161 ng
RT: 20.90 min Scan# 3063
Delta R.T. 0.00 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.2	51.9	77.9
126	10.5	8.2	12.2





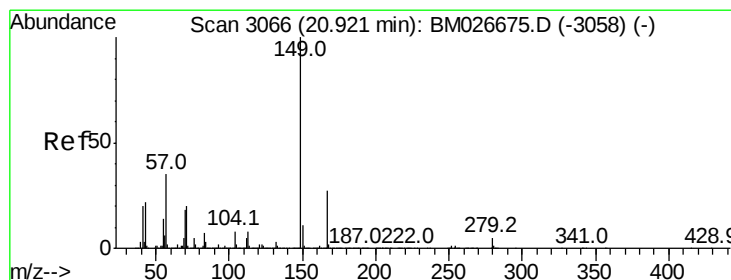
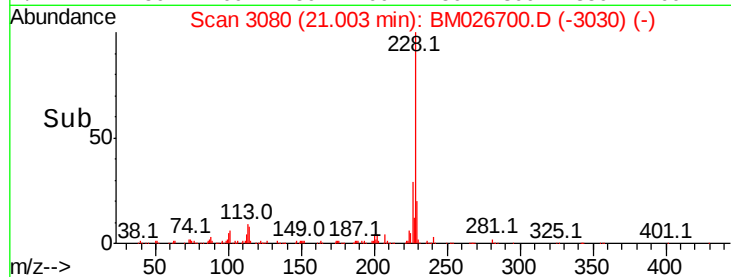
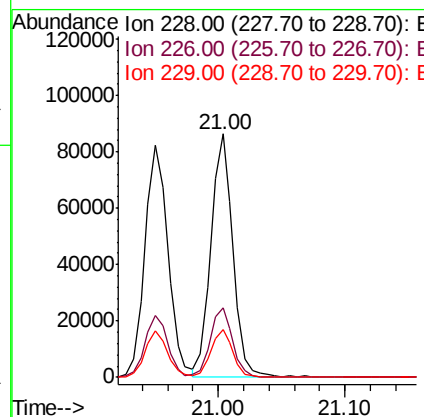
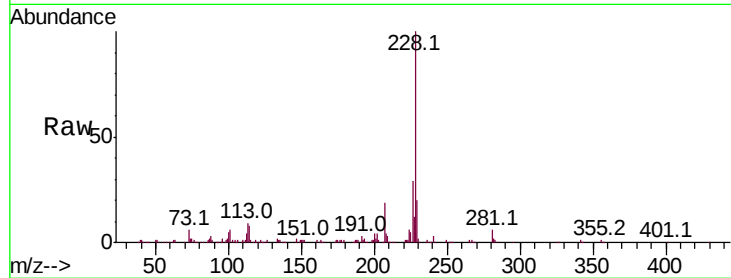
#83
Chrysene
Concen: 3.397 ng
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.7	35.5
229	19.5	15.4	23.0

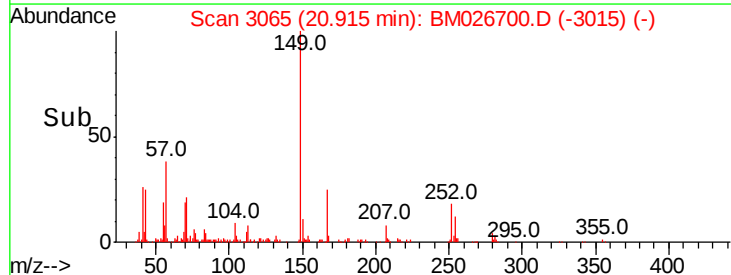
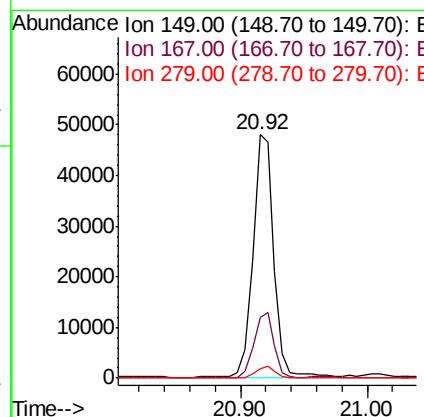
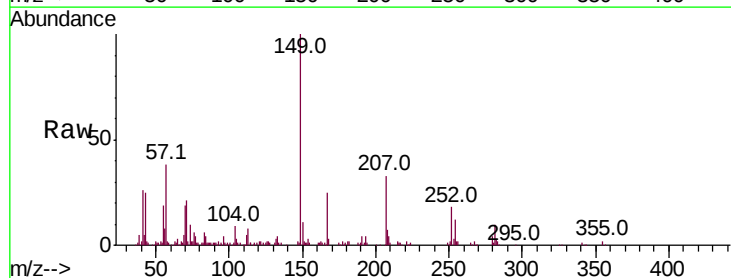
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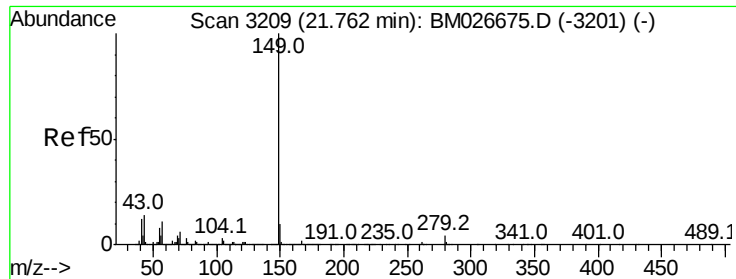
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.578 ng
RT: 20.92 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.7	21.9	32.9
279	4.0	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 2.507 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

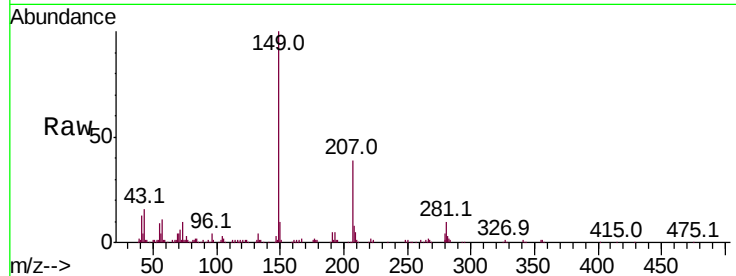
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

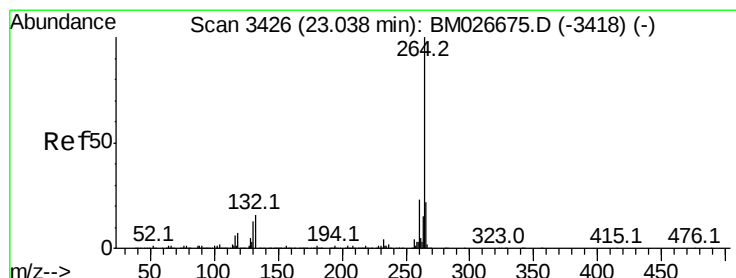
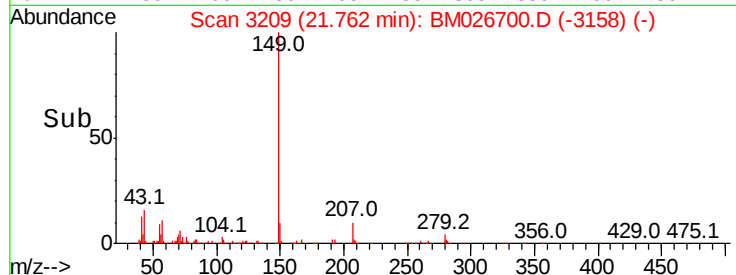
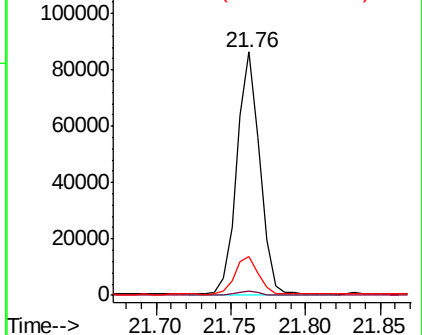
Tot Ion:	149	Resp:	92233
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.3	1.9
43	16.7	11.2	16.8

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



#86

Perylene-d12

Concen: 20.000 ng

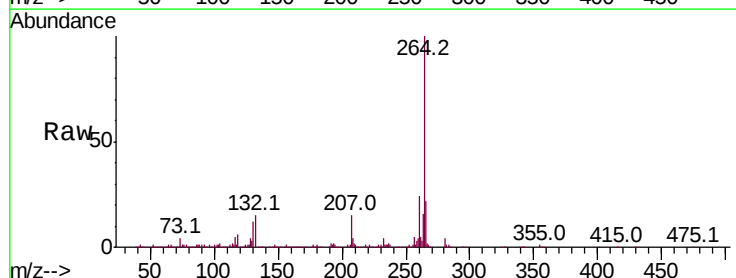
RT: 23.04 min Scan# 3426

Delta R.T. 0.00 min

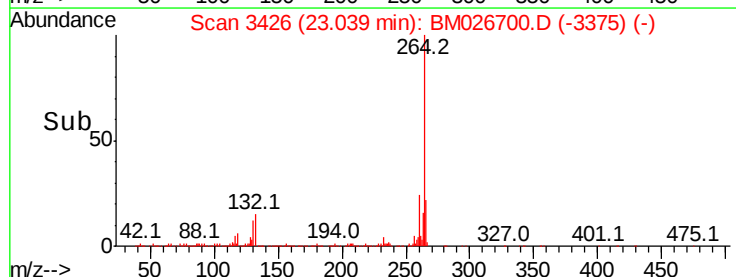
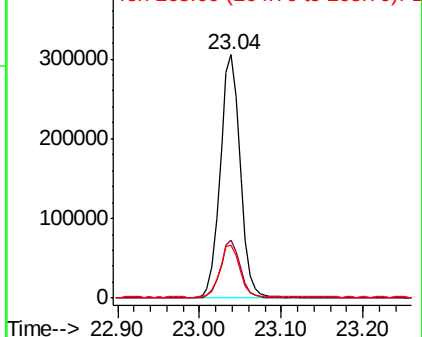
Lab File: BM026700.D

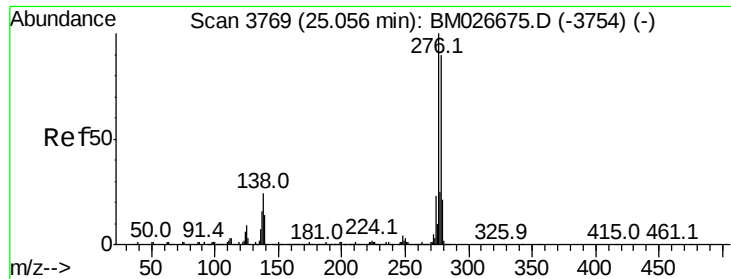
Acq: 08 Jul 2020 10:13

Tgt Ion:	264	Resp:	521346
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.2	27.2
265	22.0	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





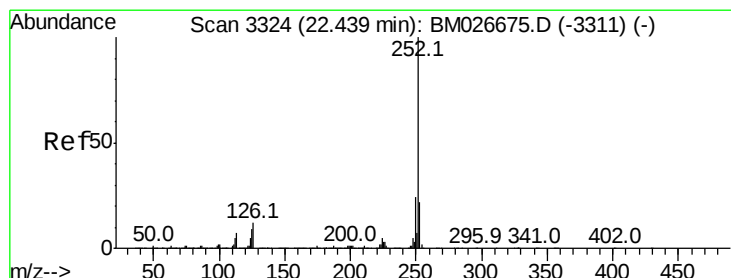
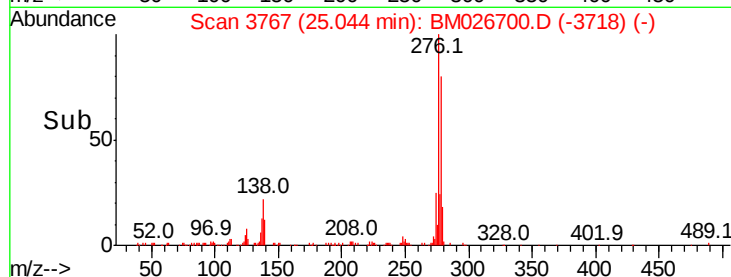
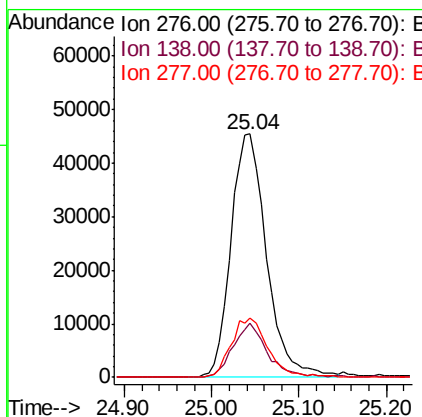
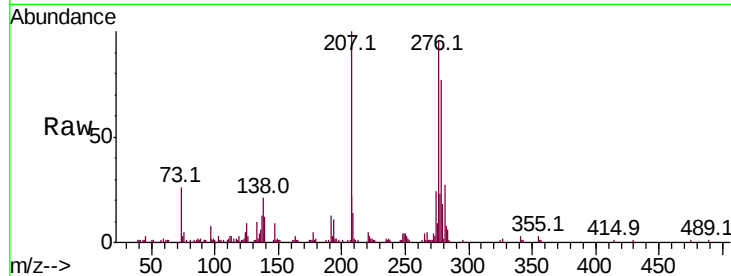
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.381 ng
 RT: 25.04 min Scan# 3767
 Delta R.T. -0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	18.4	27.6
277	25.0	20.0	30.0

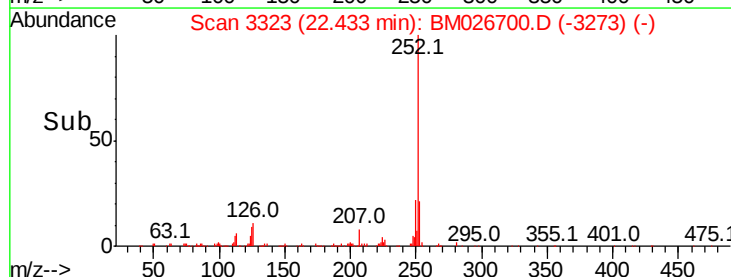
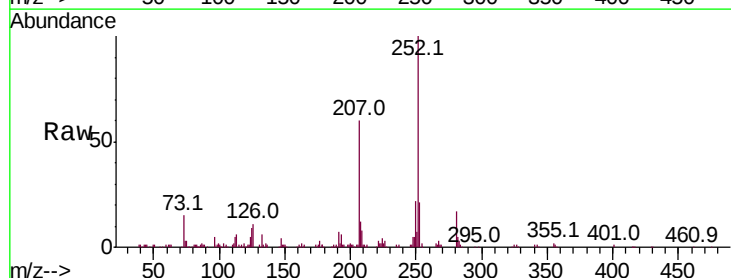
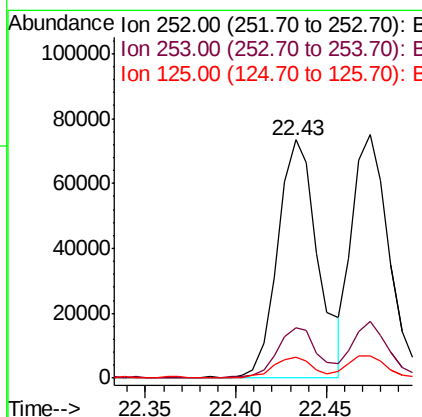
Manual Integrations
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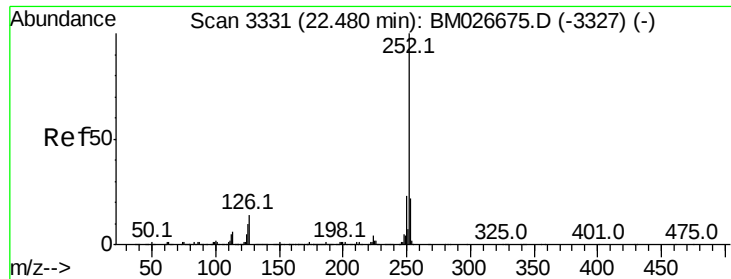
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 3.332 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026700.D
 Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.5	26.3
125	8.6	7.5	11.3





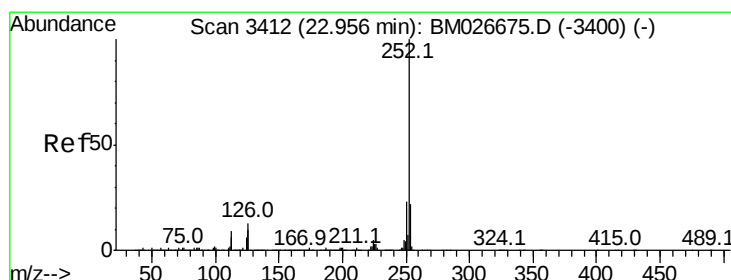
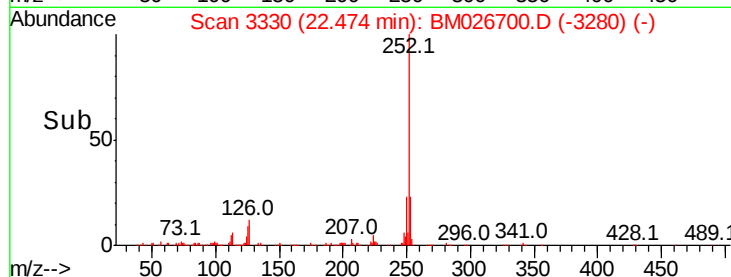
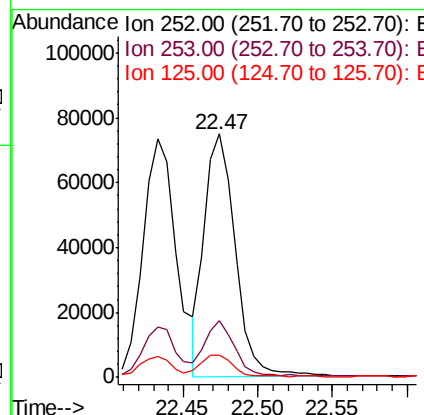
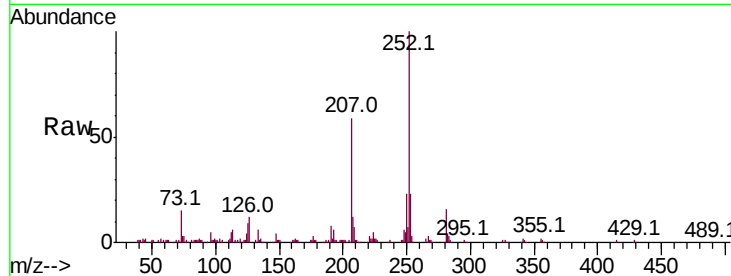
#89
Benzo(k)fluoranthene
Concen: 3.169 ng
RT: 22.47 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	9.1	7.8	11.8

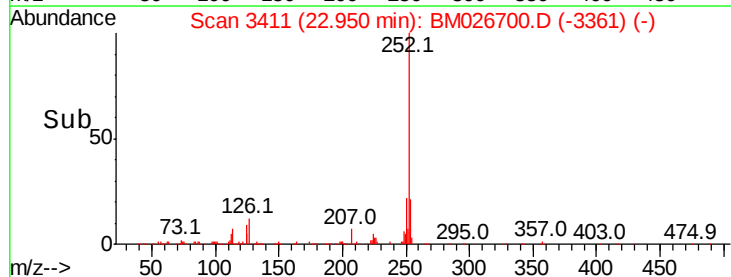
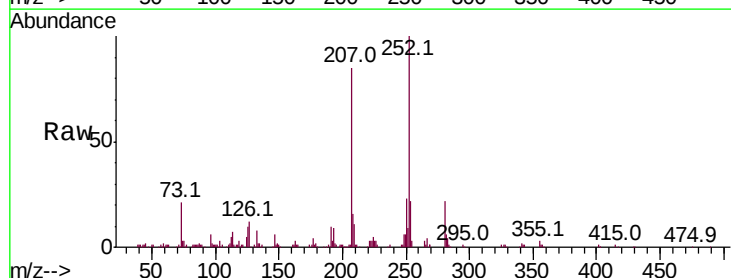
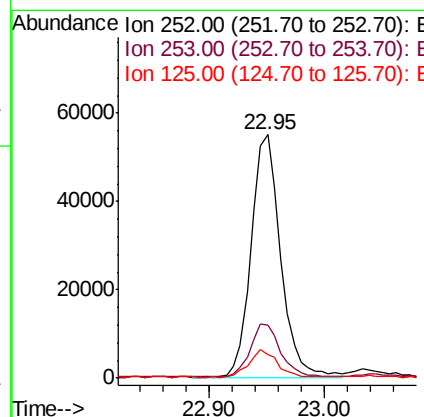
Manual Integrations
APPROVED

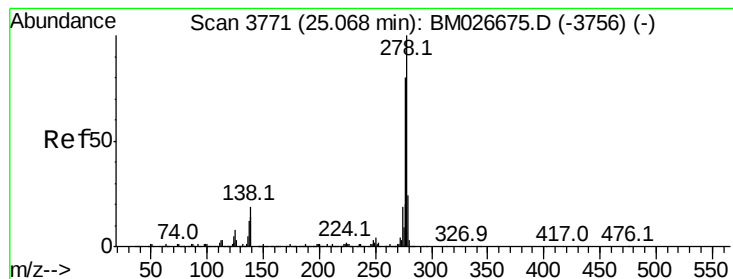
mohammad
7/9/2020 10:59:37 AM



#90
Benzo(a)pyrene
Concen: 3.072 ng
RT: 22.95 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM026700.D
Acq: 08 Jul 2020 10:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.7	8.2	12.4





#91

Dibenzo(a,h)anthracene

Concen: 3.480 ng

RT: 25.05 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Instrument :

BNA_M

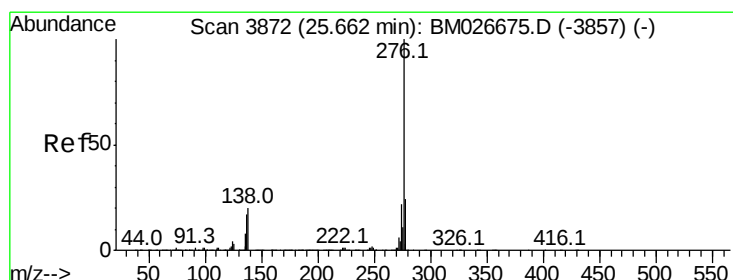
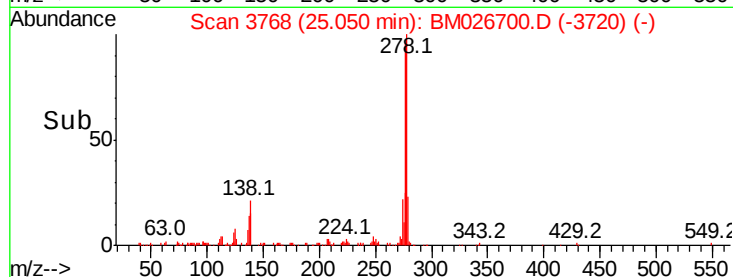
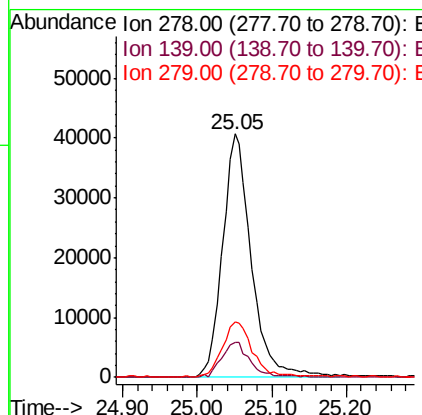
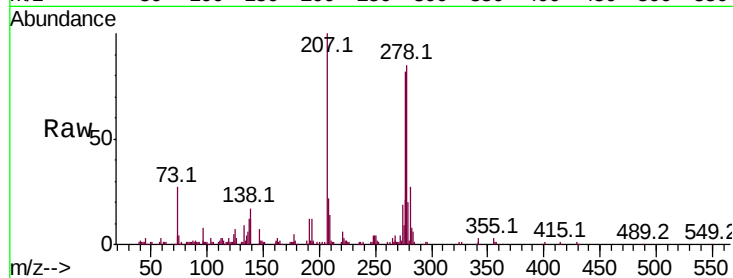
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	278	Resp:	109028
Ion Ratio	Lower	Upper	
278	100		
139	14.5	11.2	16.8
279	23.0	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/9/2020 10:59:37 AM



#92

Benzo(g,h,i)perylene

Concen: 3.699 ng

RT: 25.65 min Scan# 3870

Delta R.T. -0.01 min

Lab File: BM026700.D

Acq: 08 Jul 2020 10:13

Tgt Ion:	276	Resp:	106787
Ion Ratio	Lower	Upper	
276	100		
277	22.2	19.1	28.7
138	16.5	15.8	23.8

