

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071020\
 Data File : BM026720.D
 Acq On : 09 Jul 2020 15:47
 Operator : JU/CG
 Sample : L3216-03
 Misc : MDL--SOIL-4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
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mohammad
 7/10/2020 11:51:34 AM

Quant Time: Jul 09 16:20:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:30:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	58671	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	257441	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	176233	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	413411	20.00	ng	0.00
76) Chrysene-d12	20.97	240	506592	20.00	ng	0.00
86) Perylene-d12	23.03	264	542926	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	527775	150.77	ng	0.00
7) Phenol-d6	6.53	99	765280	137.22	ng	0.00
23) Nitrobenzene-d5	8.47	82	444910	73.73	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	409063	159.34	ng	0.00
45) 2-Fluorobiphenyl	12.59	172	968072	73.04	ng	0.00
79) Terphenyl-d14	19.41	244	1484526	57.67	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.96	88	7738	4.601	ng	95
3) Pyridine	3.39	79	13761m	2.861	ng	
4) n-Nitrosodimethylamine	3.28	42	10100	3.508	ng	# 95
6) Aniline	6.67	93	23183	3.387	ng	97
8) 2-Chlorophenol	6.90	128	14685	3.522	ng	92
9) Benzaldehyde	6.50	77	17130	5.534	ng	92
10) Phenol	6.56	94	19451	3.529	ng	80
11) bis(2-Chloroethyl)ether	6.78	93	14976	3.249	ng	97
12) 1,3-Dichlorobenzene	7.22	146	15388	3.395	ng	96
13) 1,4-Dichlorobenzene	7.36	146	15894	3.445	ng	97
14) 1,2-Dichlorobenzene	7.67	146	16091	3.501	ng	95
15) Benzyl Alcohol	7.59	79	12278	2.573	ng	# 89
16) 2,2'-oxybis(1-Chloropropan	7.86	45	32171	3.382	ng	98
17) 2-Methylphenol	7.79	107	11421	2.726	ng	95
18) Hexachloroethane	8.37	117	6255	3.414	ng	94
19) n-Nitroso-di-n-propylamine	8.14	70	14734	3.175	ng	98
20) 3+4-Methylphenols	8.12	107	15009	2.606	ng	97
22) Acetophenone	8.15	105	24724	3.380	ng	# 88
24) Nitrobenzene	8.52	77	23738	3.739	ng	96
25) Isophorone	9.04	82	35309	3.051	ng	98
26) 2-Nitrophenol	9.22	139	6344	2.708	ng	91
27) 2,4-Dimethylphenol	9.30	122	11553	3.032	ng	95
28) bis(2-Chloroethoxy)methane	9.54	93	20387	3.189	ng	99
29) 2,4-Dichlorophenol	9.77	162	11045	2.632	ng	98
30) 1,2,4-Trichlorobenzene	9.96	180	15950	3.407	ng	93
31) Naphthalene	10.13	128	48041	3.355	ng	99
32) Benzoic acid	9.43	122	914m	7.335	ng	
33) 4-Chloroaniline	10.27	127	18612	2.971	ng	96
34) Hexachlorobutadiene	10.42	225	10240	3.303	ng	96
35) Caprolactam	11.05	113	3381	2.275	ng	# 91
36) 4-Chloro-3-methylphenol	11.41	107	14917	2.813	ng	96
37) 2-Methylnaphthalene	11.76	142	35611	3.357	ng	98
38) 1-Methylnaphthalene	11.98	142	33773	3.323	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	19915	3.496	ng	98

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Instrument :
 BNA_M
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 MDL-SOIL-03-QT3-2020

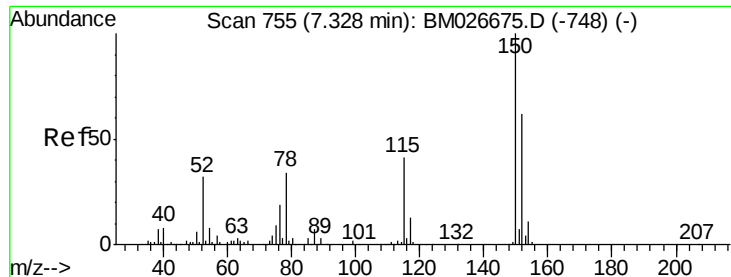
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Quant Time: Jul 09 16:20:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:30:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	4230	7.341	ng	93
43) 2,4,6-Trichlorophenol	12.40	196	9604	2.573	ng	90
44) 2,4,5-Trichlorophenol	12.49	196	11389	2.597	ng	97
46) 1,1'-Biphenyl	12.80	154	51633	3.709	ng	95
47) 2-Chloronaphthalene	12.84	162	36226	3.221	ng	96
48) 2-Nitroaniline	13.07	65	10904	2.356	ng	93
49) Acenaphthylene	13.70	152	55893	3.109	ng	99
50) Dimethylphthalate	13.46	163	49448	3.280	ng	98
51) 2,6-Dinitrotoluene	13.58	165	9303	2.882	ng	93
52) Acenaphthene	14.05	154	35257	3.227	ng	99
53) 3-Nitroaniline	13.92	138	7273	2.166	ng	94
54) 2,4-Dinitrophenol	14.16	184	1506m	6.890	ng	
55) Dibenzofuran	14.39	168	58951	3.291	ng	100
56) 4-Nitrophenol	14.29	139	3097m	4.919	ng	
57) 2,4-Dinitrotoluene	14.39	165	11164	2.396	ng	# 81
58) Fluorene	15.04	166	47212	3.183	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	11387m	2.973	ng	
60) Diethylphthalate	14.85	149	48368	3.035	ng	97
61) 4-Chlorophenyl-phenylether	15.05	204	25963	3.231	ng	96
62) 4-Nitroaniline	15.10	138	6286	4.638	ng	89
63) Azobenzene	15.34	77	51864	2.962	ng	95
65) 4,6-Dinitro-2-methylphenol	15.17	198	4991	6.024	ng	91
66) n-Nitrosodiphenylamine	15.27	169	40382	3.074	ng	99
67) 4-Bromophenyl-phenylether	15.95	248	15541	3.020	ng	97
68) Hexachlorobenzene	16.06	284	17283	3.191	ng	95
69) Atrazine	16.24	200	13882	3.514	ng	96
70) Pentachlorophenol	16.42	266	6034	1.969	ng	94
71) Phenanthrene	16.79	178	80611	3.303	ng	100
72) Anthracene	16.88	178	75818	3.121	ng	97
73) Carbazole	17.17	167	64993	2.806	ng	98
74) Di-n-butylphthalate	17.74	149	78740	2.703	ng	99
75) Fluoranthene	18.82	202	95206	3.167	ng	99
77) Benzidine	19.03	184	26258	2.629	ng	# 95
78) Pyrene	19.19	202	100620	3.153	ng	99
80) Butylbenzylphthalate	20.13	149	35690	2.492	ng	95
81) Benzo(a)anthracene	20.95	228	114955	3.378	ng	99
82) 3,3'-Dichlorobenzidine	20.90	252	34730	3.216	ng	99
83) Chrysene	21.00	228	111943	3.380	ng	97
84) Bis(2-ethylhexyl)phthalate	20.92	149	57209	2.494	ng	99
85) Di-n-octyl phthalate	21.76	149	96756	2.467	ng	96
87) Indeno(1,2,3-cd)pyrene	25.04	276	125888	3.257	ng	99
88) Benzo(b)fluoranthene	22.43	252	110891m	3.100	ng	
89) Benzo(k)fluoranthene	22.47	252	119467	3.405	ng	99
90) Benzo(a)pyrene	22.95	252	101988	3.071	ng	98
91) Dibenzo(a,h)anthracene	25.05	278	107641	3.299	ng	99
92) Benzo(g,h,i)perylene	25.65	276	105497	3.509	ng	98

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



#1

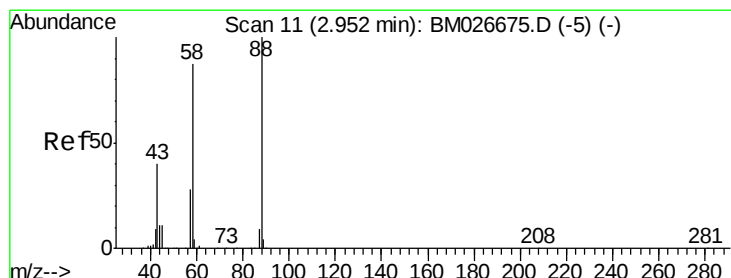
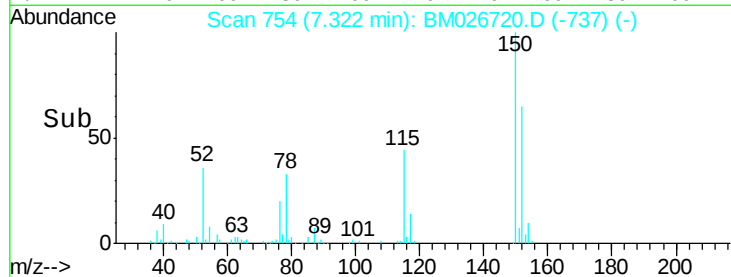
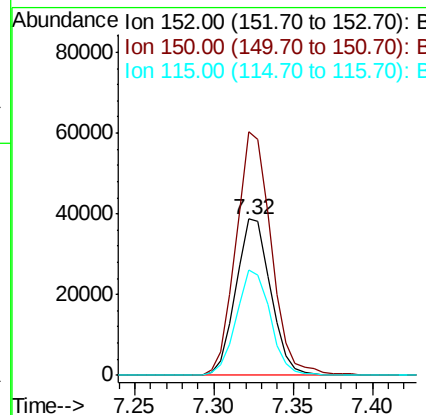
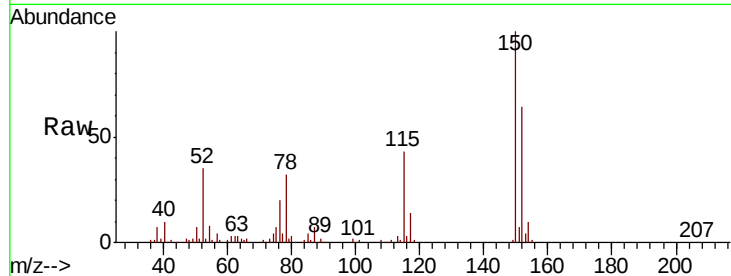
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Concen: 20.000 ng
RT: 7.32 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	128.1	192.1
115	67.7	52.2	78.4

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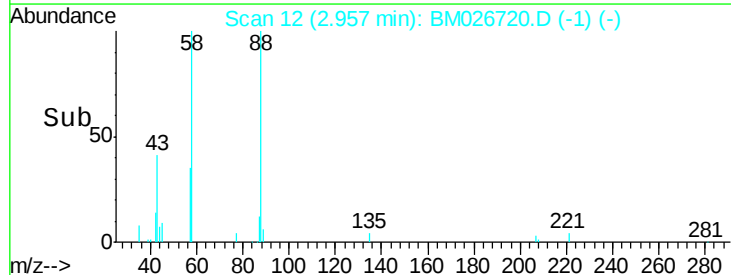
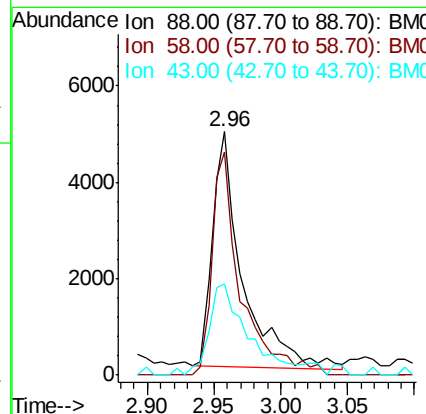
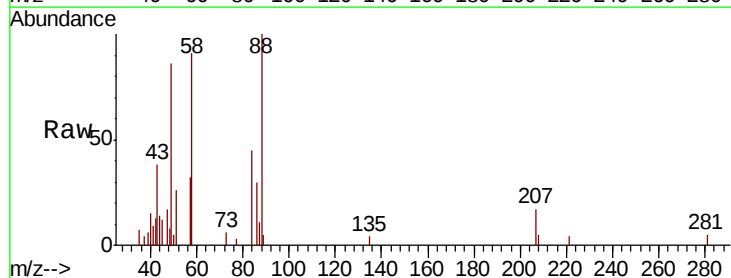
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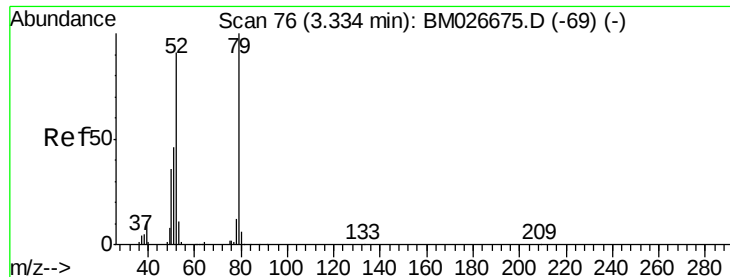


#2

1,4-Dioxane
Concen: 4.601 ng
RT: 2.96 min Scan# 12
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.2	73.2	109.8
43	50.3	34.3	51.5





#3

Pvridine

Concen: 2.861 ng/ml

RT: 3.39 min Scan# 85

Delta R.T. 0.05 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

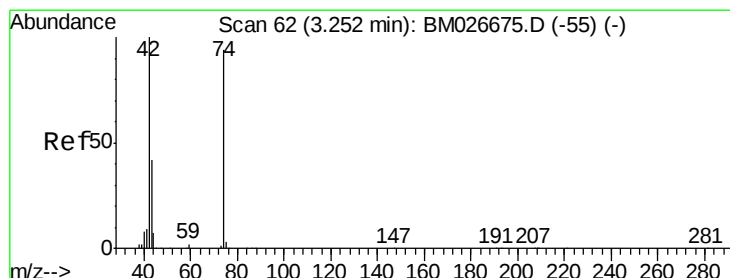
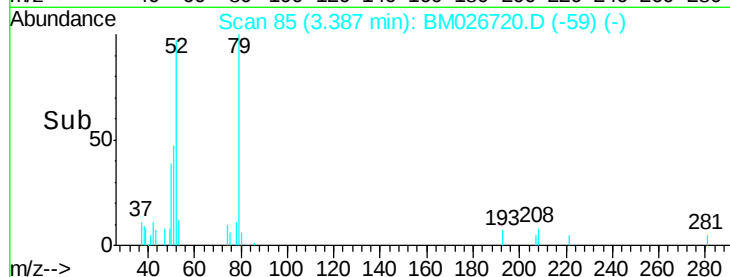
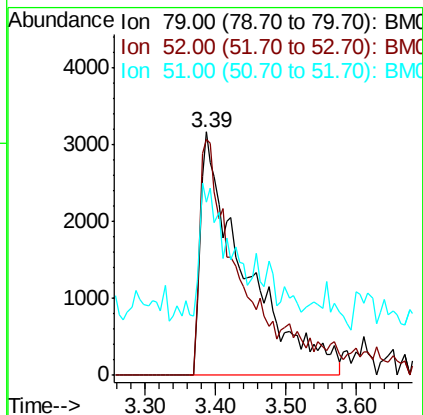
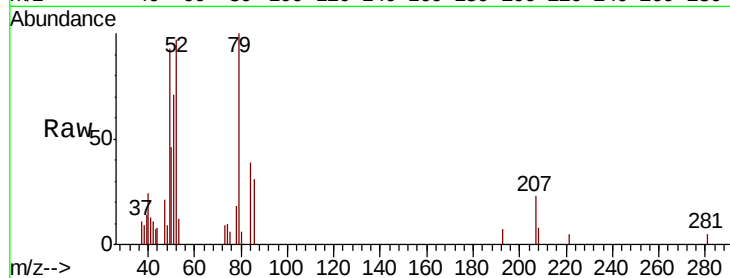
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	79	Resp:	13761
Ion Ratio	Lower	Upper	
79	100		
52	97.1	72.9	109.3
51	71.3	37.6	56.4

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#4

n-Nitrosodimethylamine

Concen: 3.508 ng/ml

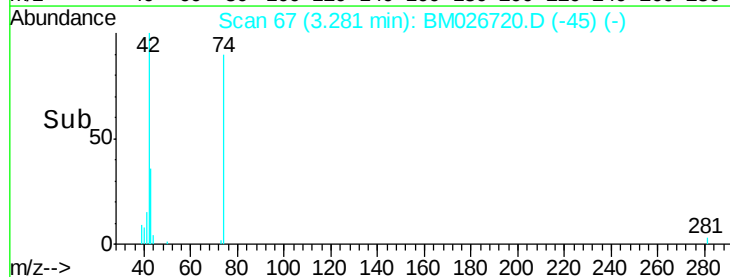
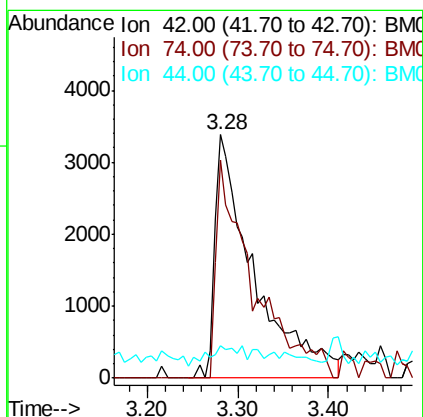
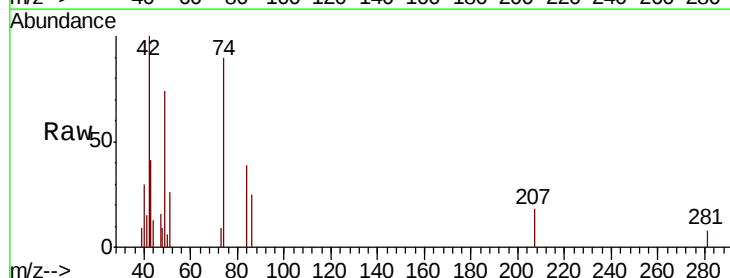
RT: 3.28 min Scan# 67

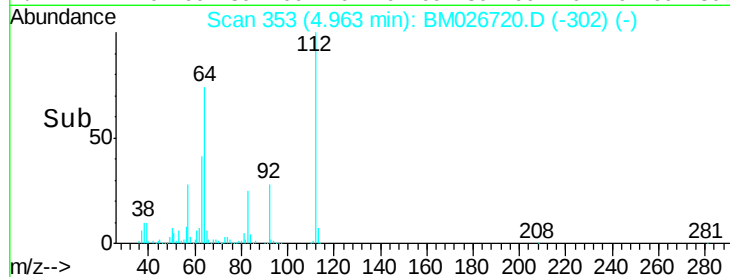
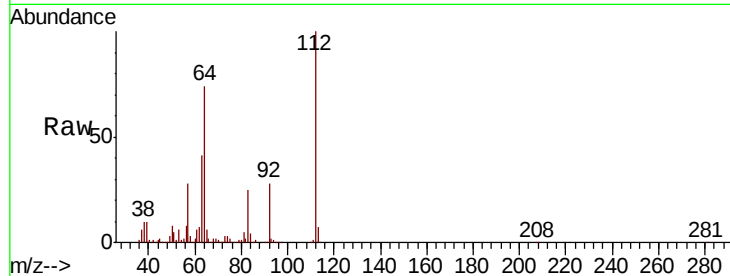
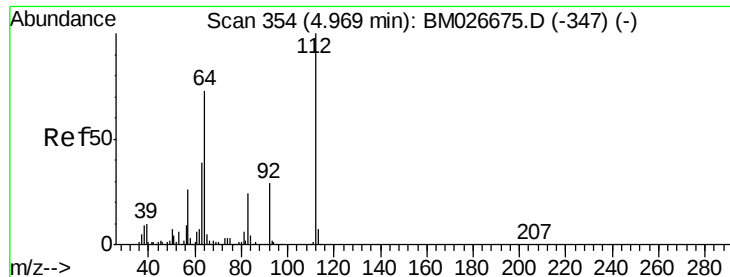
Delta R.T. 0.03 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion:	42	Resp:	10100
Ion Ratio	Lower	Upper	
42	100		
74	89.8	75.1	112.7
44	13.2	5.7	8.5





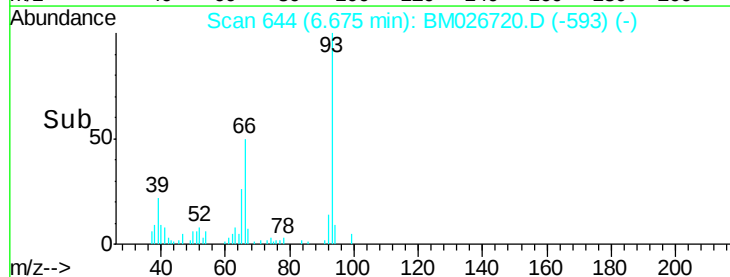
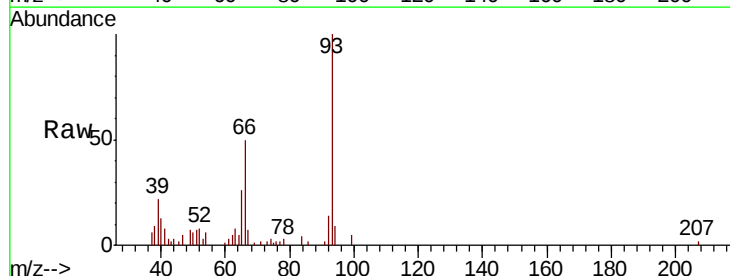
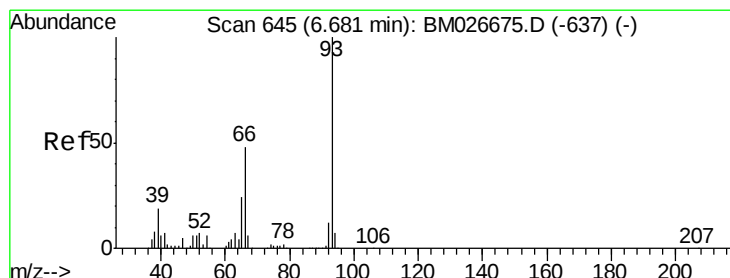
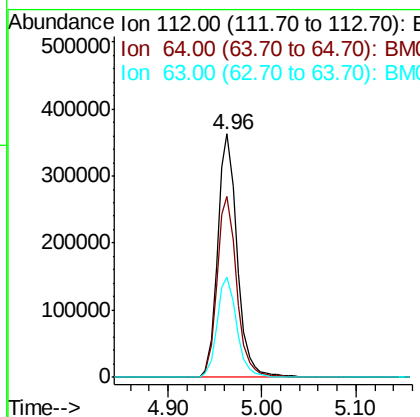
#5
2-Fluorophenol
Concen: 150.773 ng
RT: 4.96 min Scan# 353
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tot Ion:	112	Resp:	527775
Ion Ratio	Lower	Upper	
112	100		
64	74.2	58.4	87.6
63	40.9	31.5	47.3

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

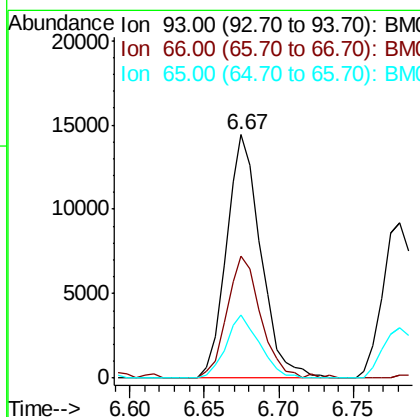
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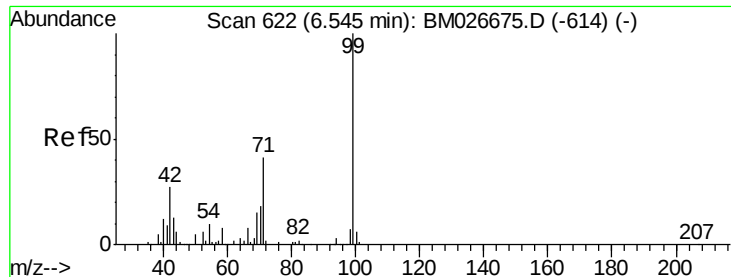
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#6
Aniline
Concen: 3.387 ng
RT: 6.67 min Scan# 644
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion:	93	Resp:	23183
Ion Ratio	Lower	Upper	
93	100		
66	49.9	38.2	57.4
65	25.8	19.6	29.4





#7

Phenol-d6

Concen: 137.218 ng

RT: 6.53 min Scan# 620

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

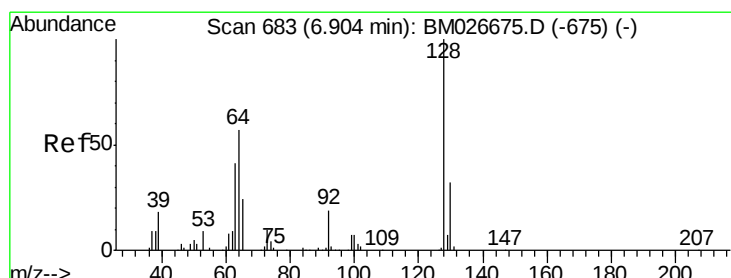
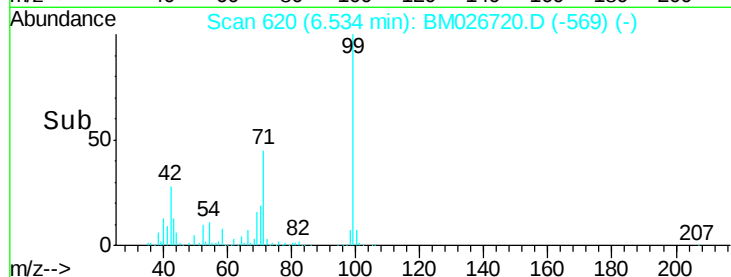
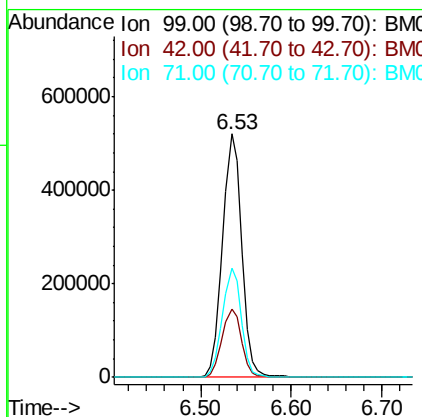
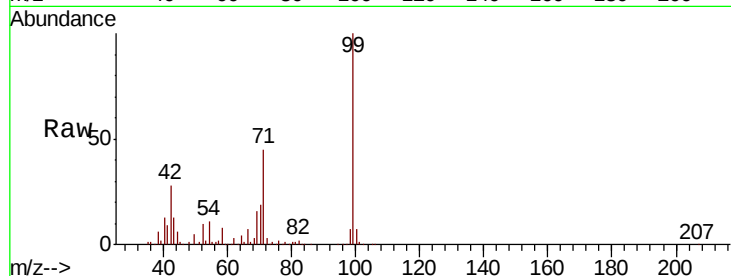
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	99	Resp:	765280
Ion Ratio	Lower	Upper	
99	100		
42	28.3	21.7	32.5
71	44.6	33.2	49.8

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#8

2-Chlorophenol

Concen: 3.522 ng

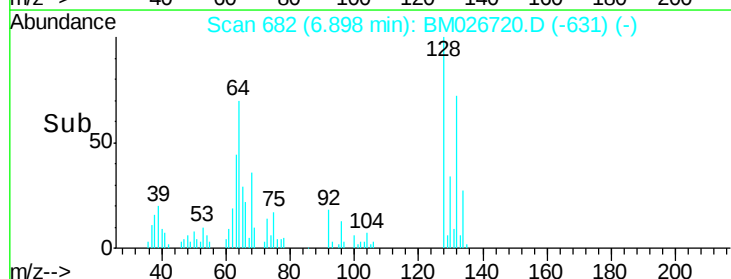
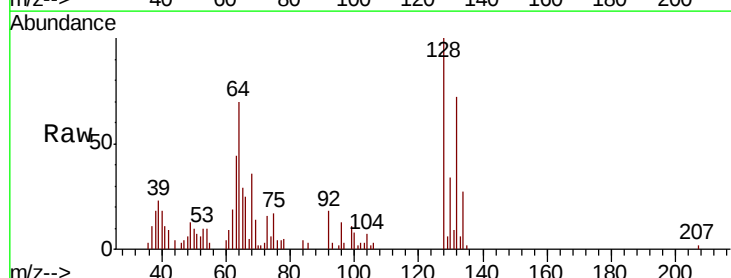
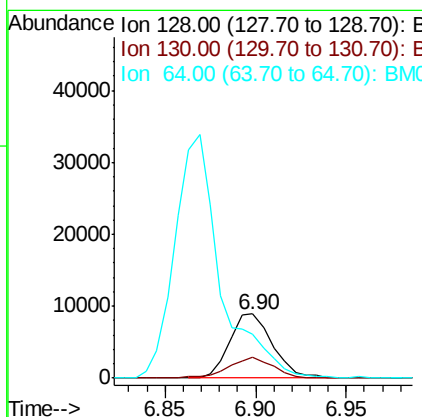
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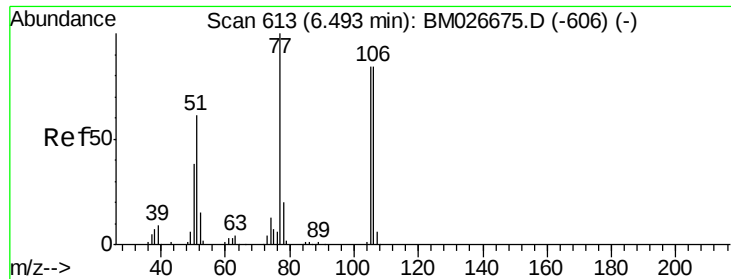
Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion:	128	Resp:	14685
Ion Ratio	Lower	Upper	
128	100		
130	33.7	12.2	52.2
64	69.6	41.4	81.4





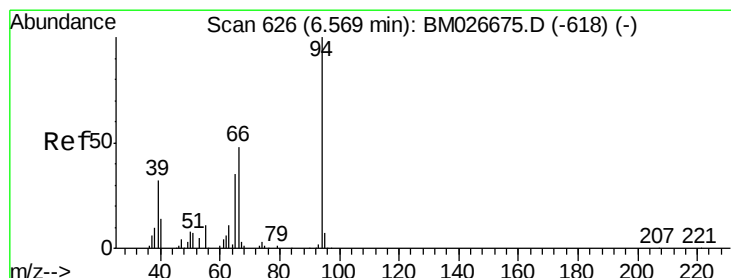
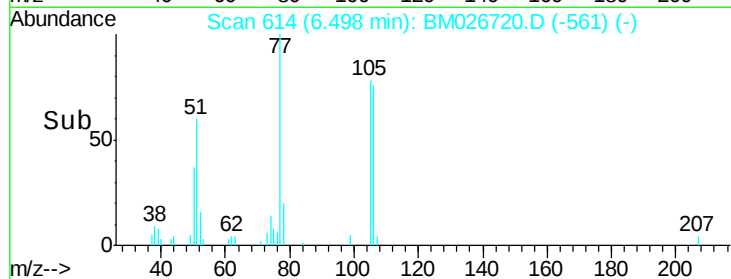
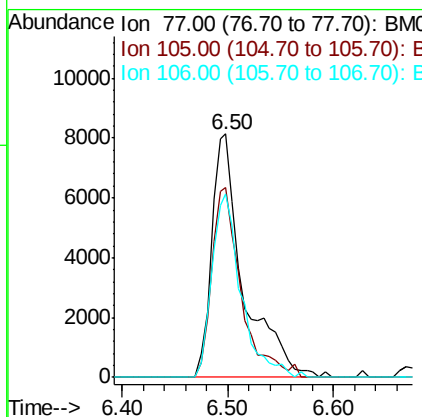
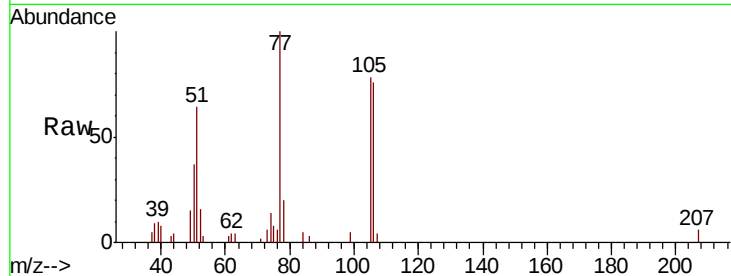
#9
Benzaldehyde
Concen: 5.534 ng
RT: 6.50 min Scan# 614
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
77	100		
105	78.0	64.4	104.4
106	75.5	64.3	104.3

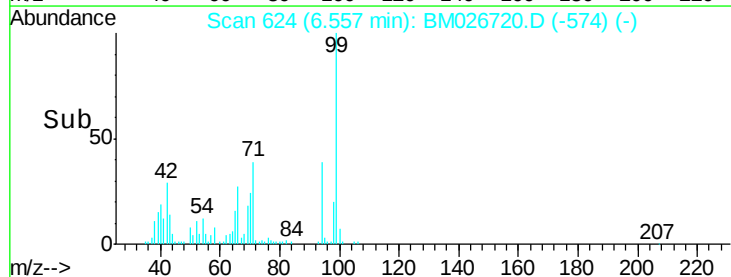
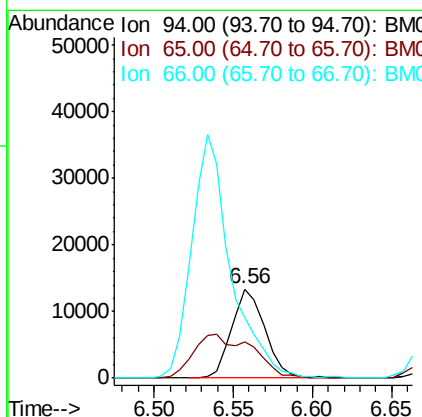
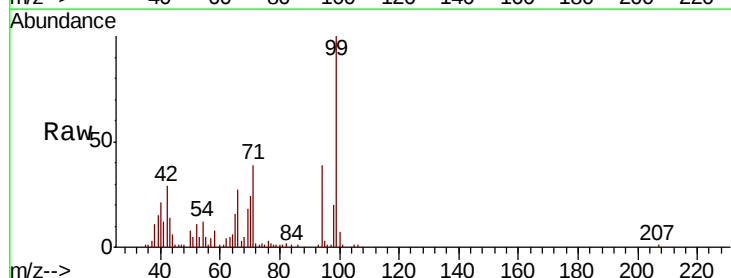
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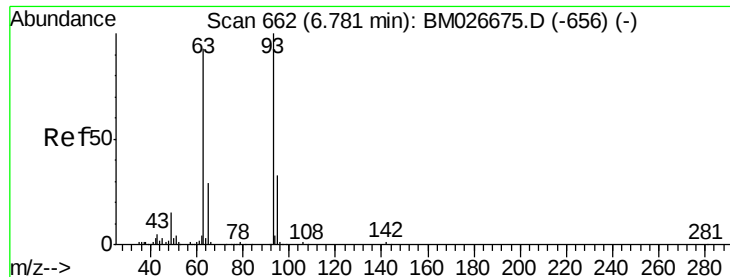
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#10
Phenol
Concen: 3.529 ng
RT: 6.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
94	100		
65	41.5	15.5	55.5
66	68.0	29.8	69.8





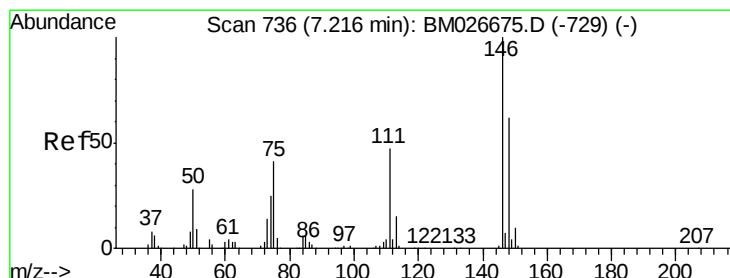
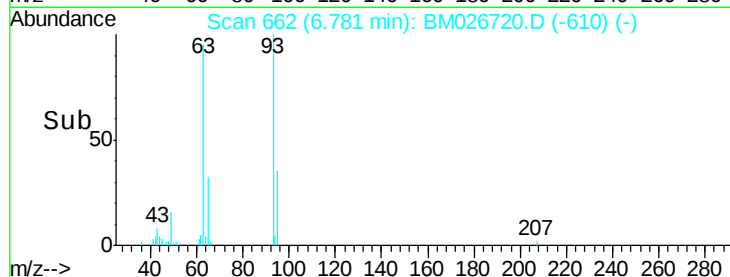
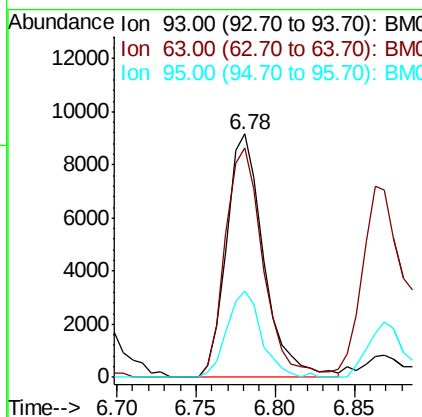
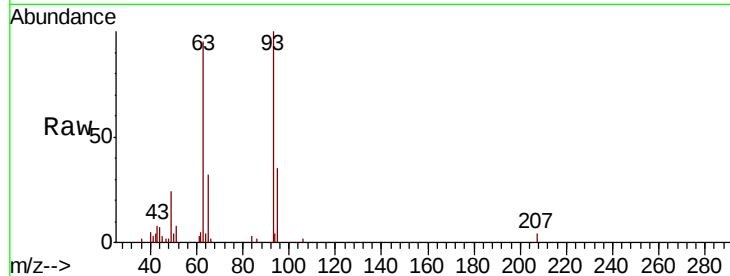
#11
bis(2-Chloroethyl)ether
Concen: 3.249 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	93	Resp:	14976
Ion	Ratio	Lower	Upper
93	100		
63	94.5	72.6	112.6
95	35.4	12.3	52.3

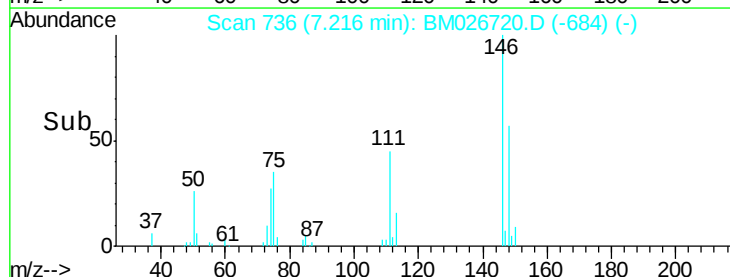
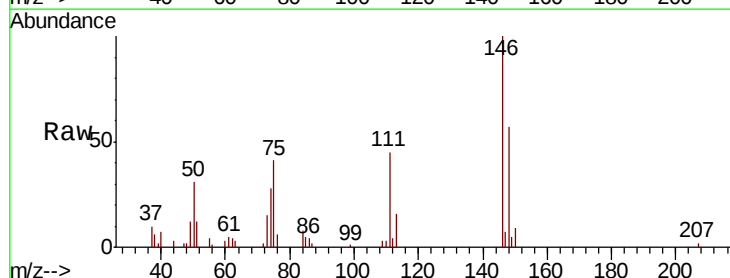
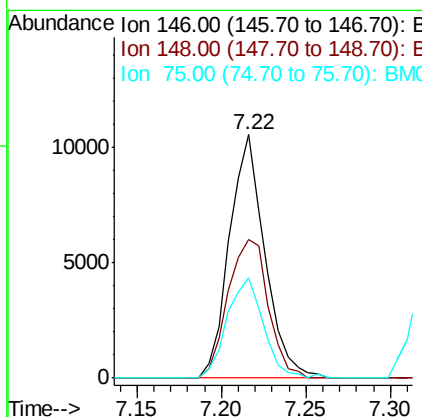
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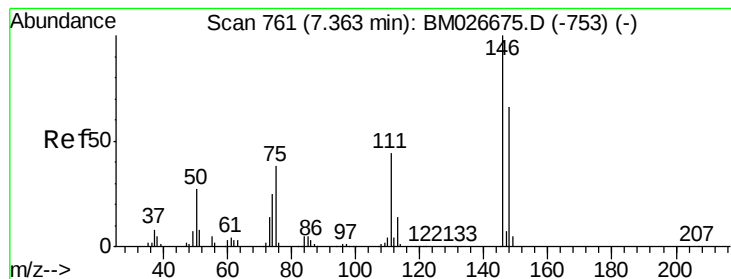
mohammad
7/10/2020 11:51:34 AM



#12
1,3-Dichlorobenzene
Concen: 3.395 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion:	146	Resp:	15388
Ion	Ratio	Lower	Upper
146	100		
148	57.1	49.7	74.5
75	41.4	32.7	49.1





#13

1,4-Dichlorobenzene

Concen: 3.445 ng

RT: 7.36 min Scan# 760

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

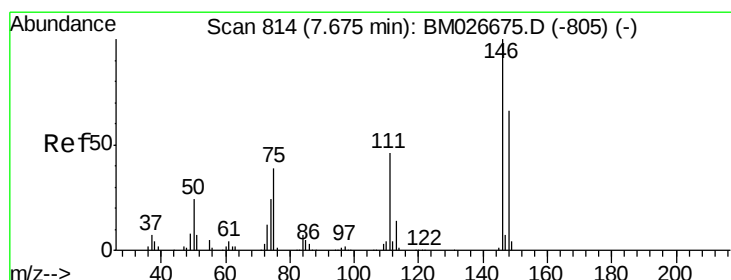
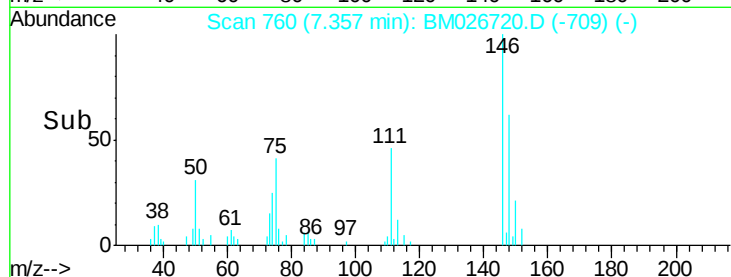
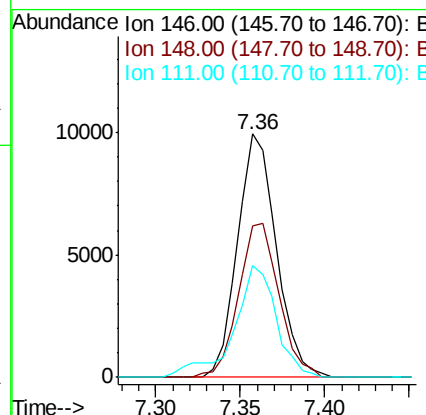
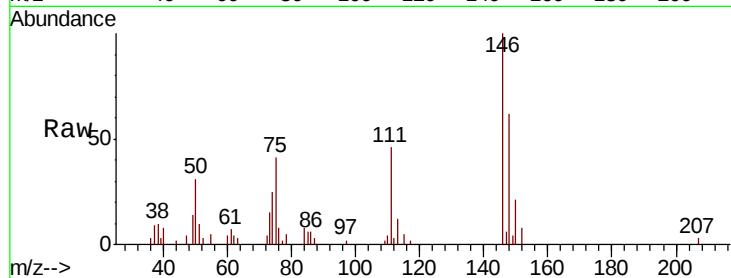
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	146	Resp:	15894
Ion Ratio	Lower	Upper	
146	100		
148	62.1	52.4	78.6
111	45.8	35.6	53.4

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#14

1,2-Dichlorobenzene

Concen: 3.501 ng

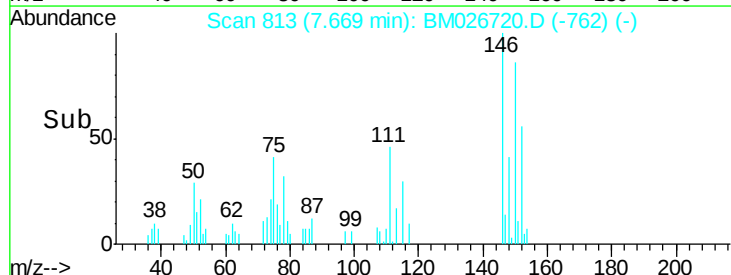
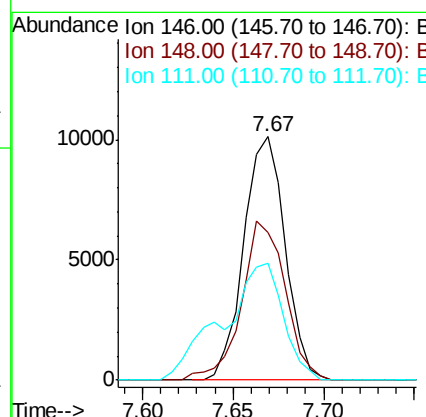
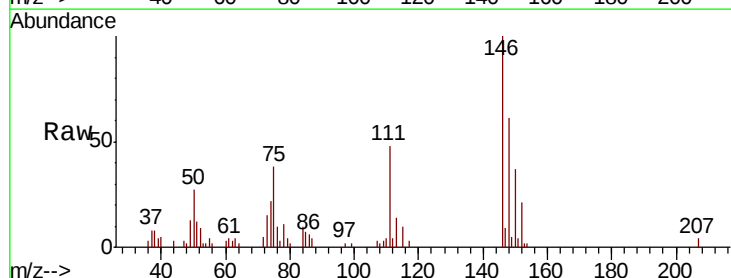
RT: 7.67 min Scan# 813

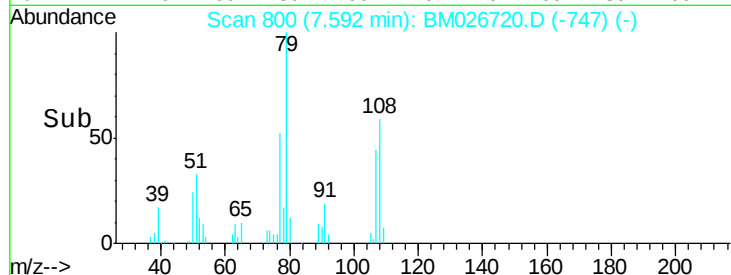
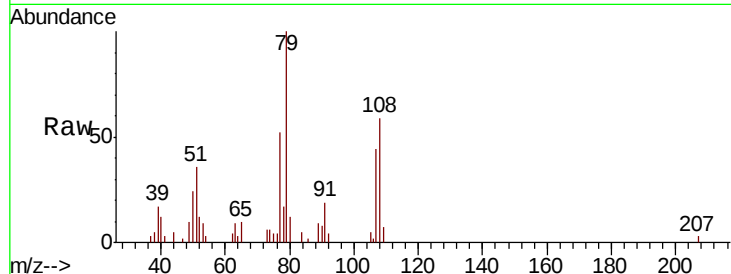
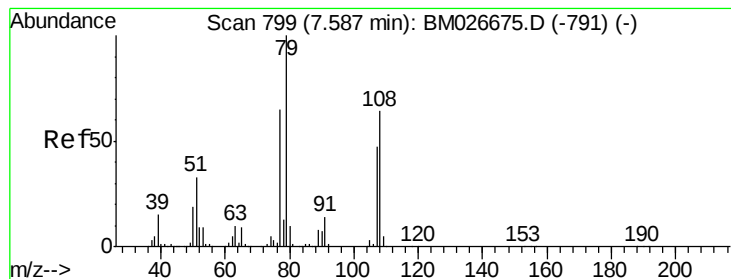
Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion:	146	Resp:	16091
Ion Ratio	Lower	Upper	
146	100		
148	60.5	52.6	78.8
111	47.9	37.2	55.8





#15

Benzyl Alcohol

Concen: 2.573 ng

RT: 7.59 min Scan# 800

Delta R.T. 0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tot Ion:	79	Resp:	12278
Ion	Ratio	Lower	Upper
79	100		
108	59.4	51.0	76.4
77	51.7	52.1	78.1#

Instrument :

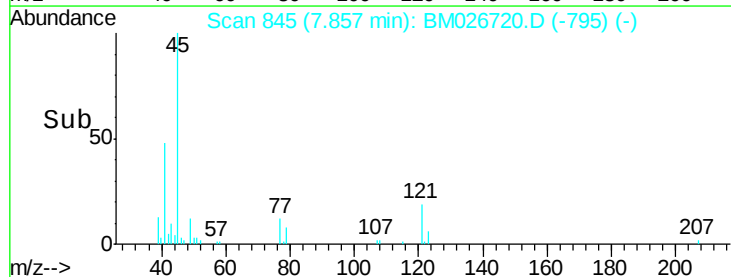
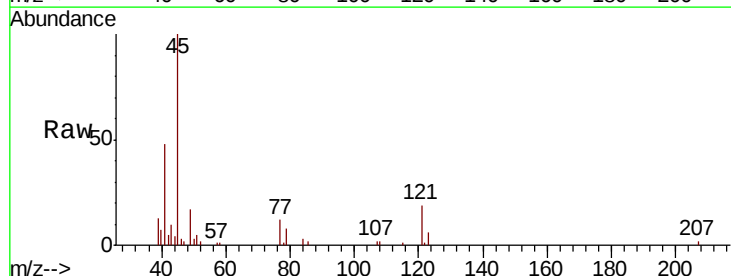
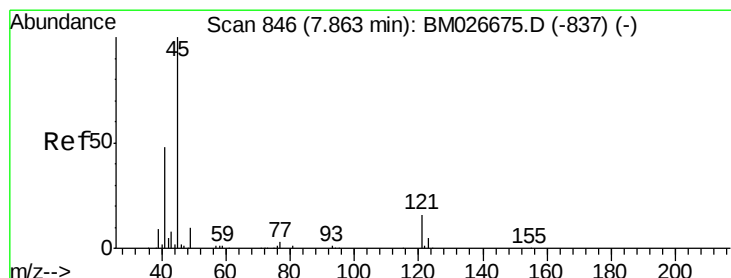
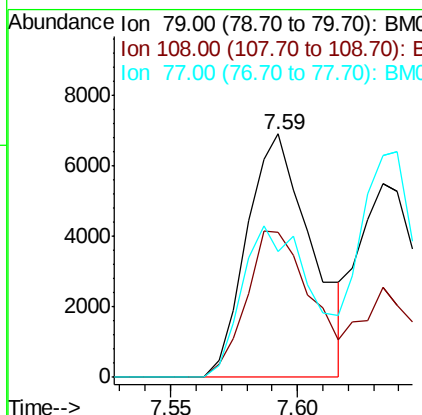
BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2020

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.382 ng

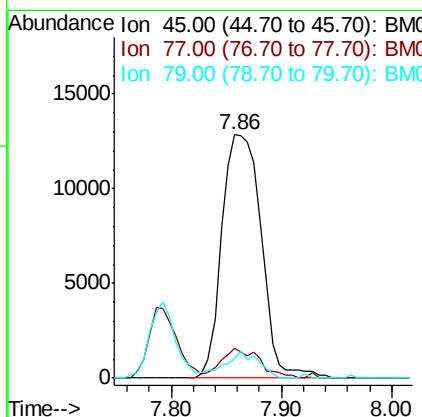
RT: 7.86 min Scan# 845

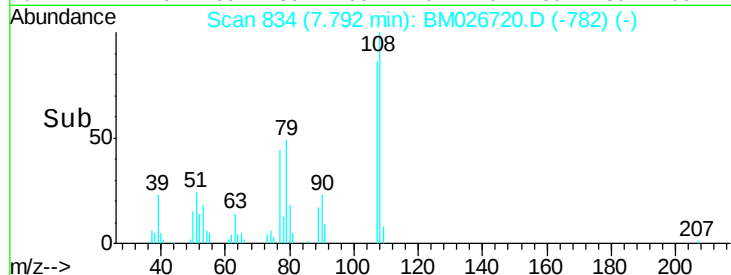
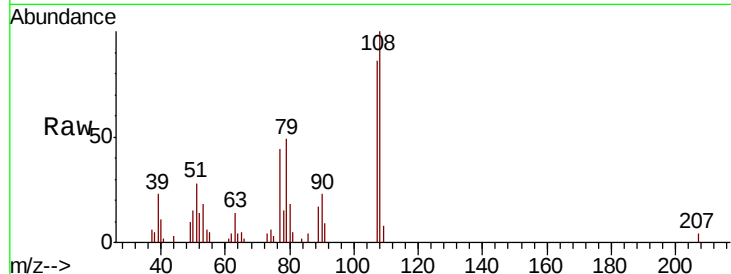
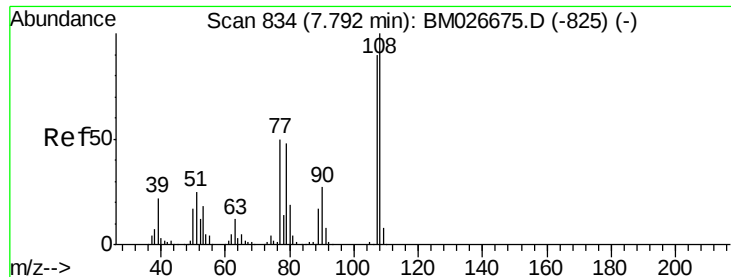
Delta R.T. -0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion:	45	Resp:	32171
Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.4
79	7.8	0.0	28.4





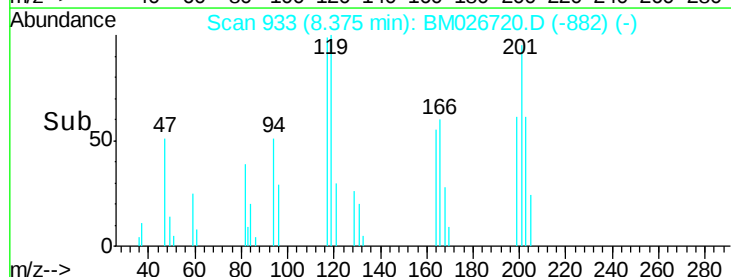
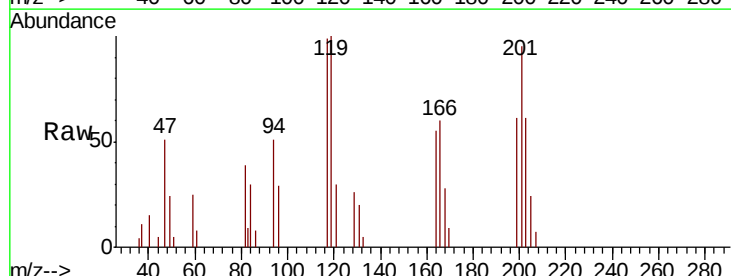
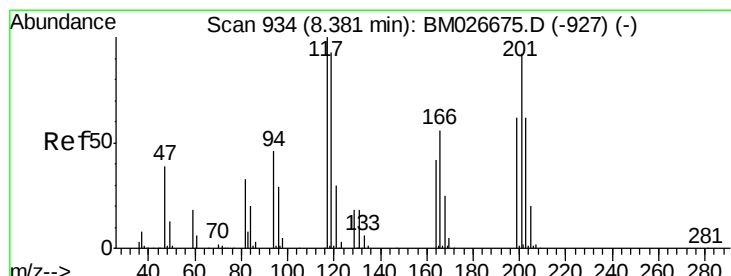
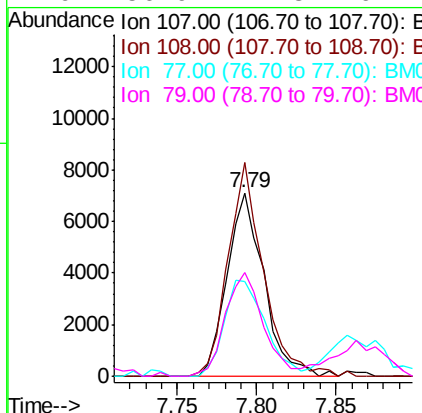
#17
2-Methylphenol
Concen: 2.726 ng
RT: 7.79 min Scan# 834
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tot Ion	107	Resp	11421
Ion Ratio	Lower	Upper	
107	100		
108	116.6	89.4	134.0
77	51.7	45.2	67.8
79	56.9	42.8	64.2

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

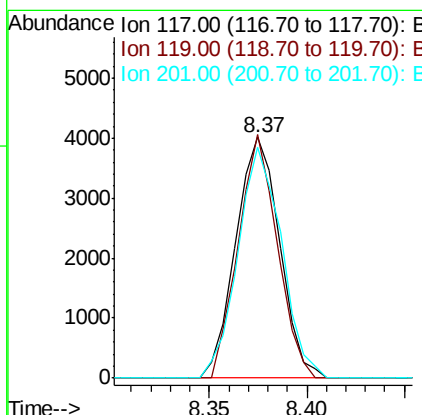
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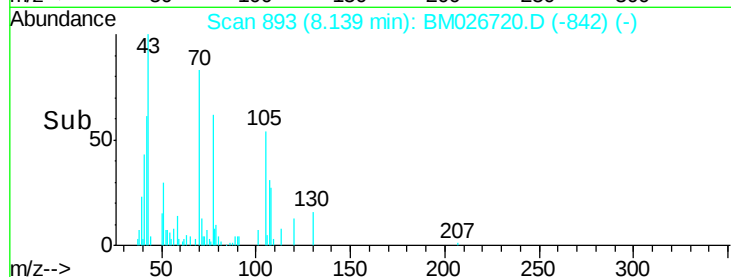
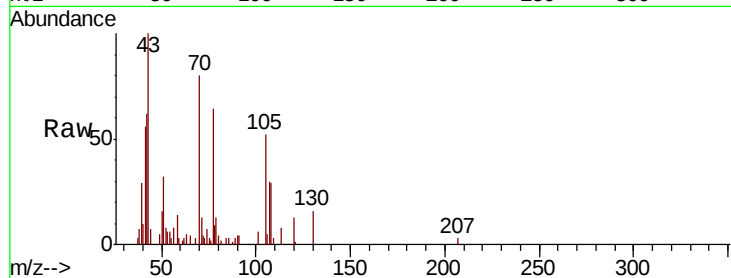
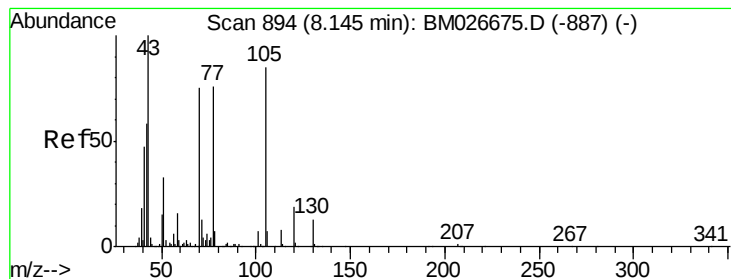
mohammad
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#18
Hexachloroethane
Concen: 3.414 ng
RT: 8.37 min Scan# 933
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	117	Resp	6255
Ion Ratio	Lower	Upper	
117	100		
119	101.1	74.2	111.2
201	96.0	73.6	110.4





#19

n-Nitroso-di-n-propylamine

Concen: 3.175 ng

RT: 8.14 min Scan# 893

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

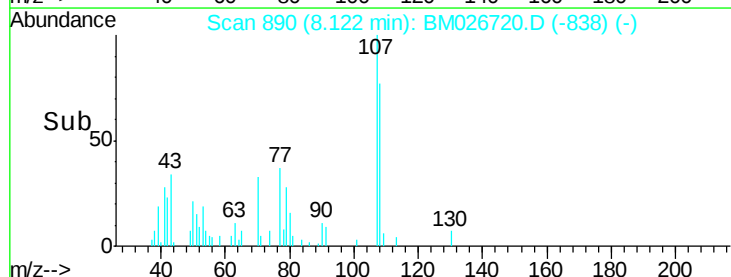
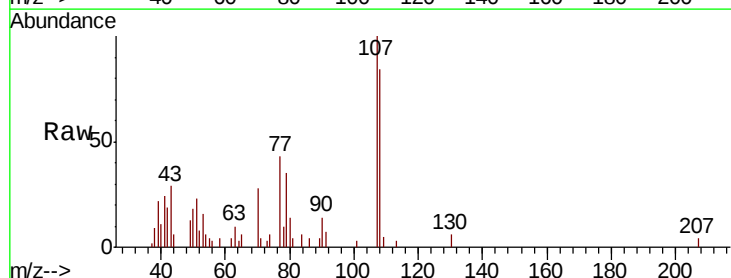
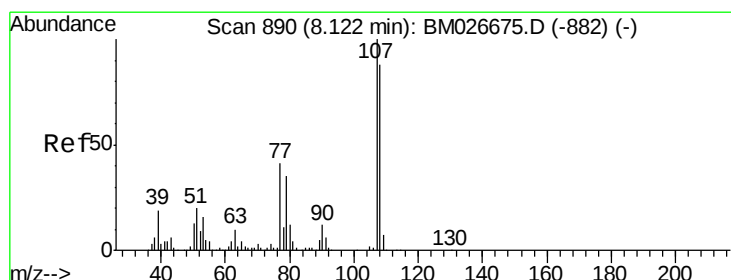
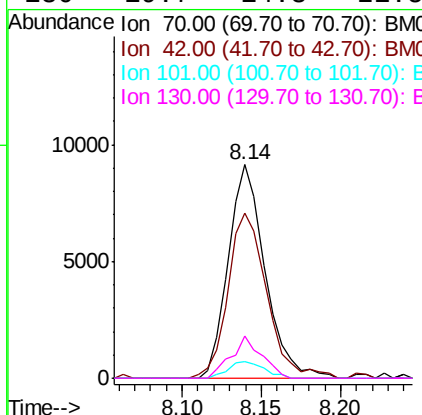
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
70	100		
42	77.2	62.3	93.5
101	8.0	7.1	10.7
130	19.7	14.3	21.5

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#20

3+4-Methylphenols

Concen: 2.606 ng

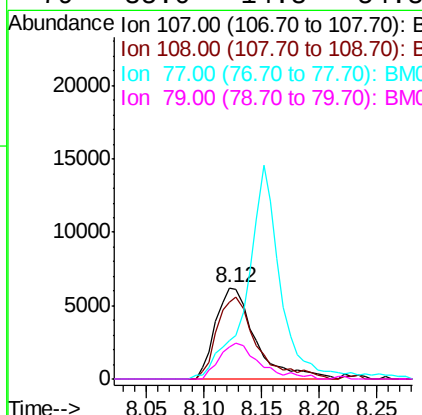
RT: 8.12 min Scan# 890

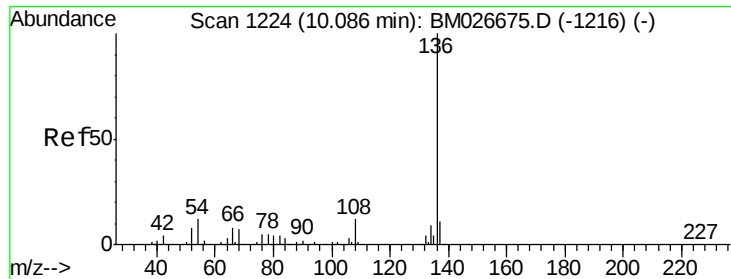
Delta R.T. 0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.0	68.5	108.5
77	42.5	20.8	60.8
79	35.0	14.8	54.8





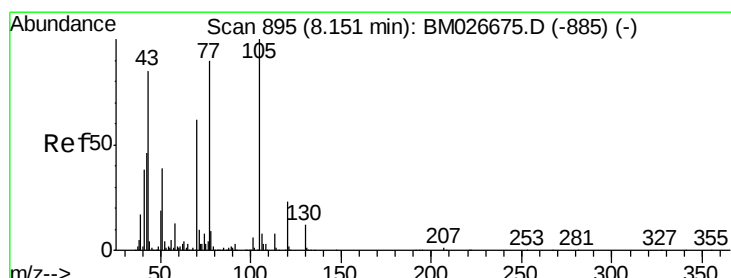
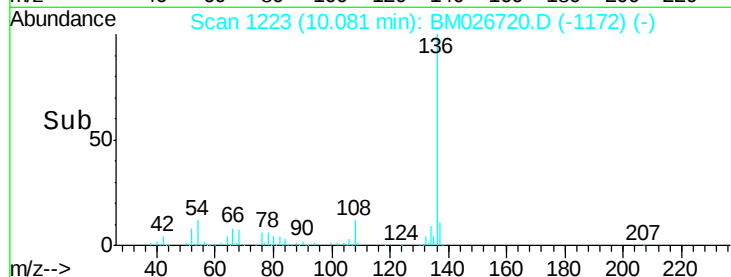
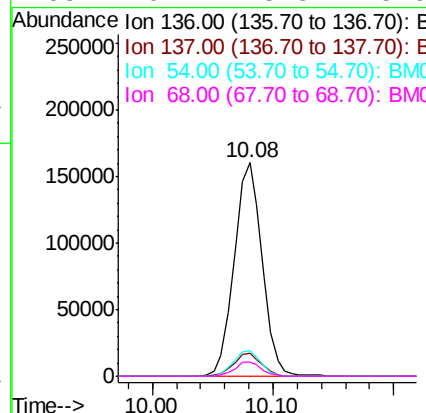
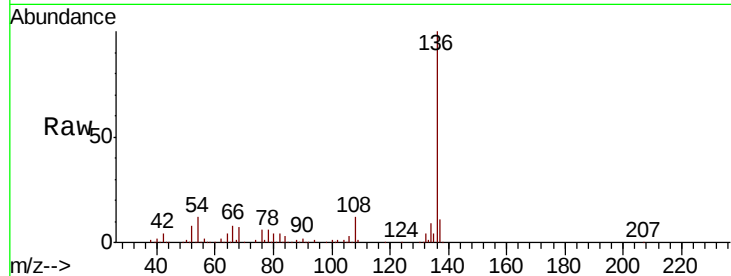
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	257441		
137	10.9		8.6	12.8
54	12.3		9.8	14.6
68	6.7		5.8	8.6

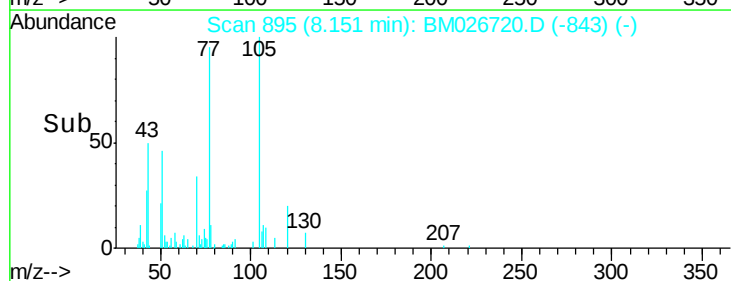
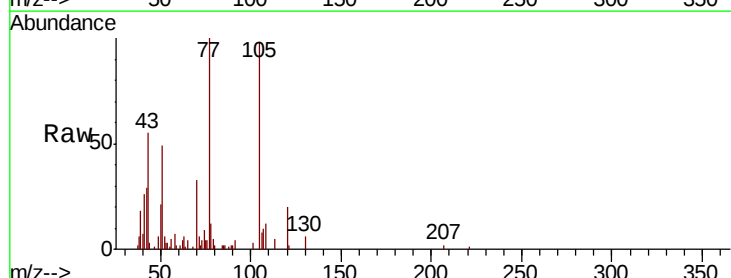
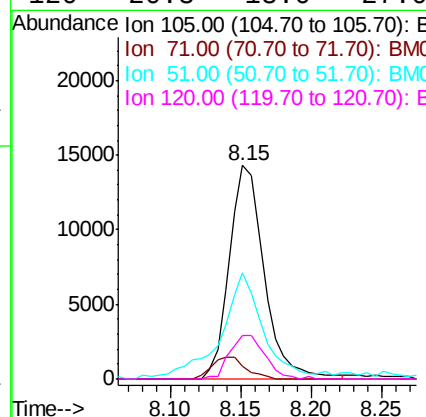
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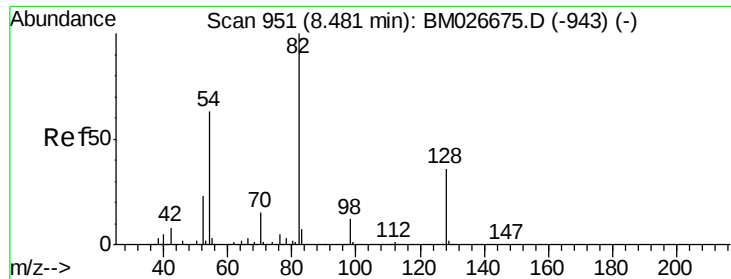
mohammad
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#22
Acetophenone
Concen: 3.380 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	24724		
71	6.3		8.1	12.1#
51	49.7		31.9	47.9#
120	20.3		18.0	27.0





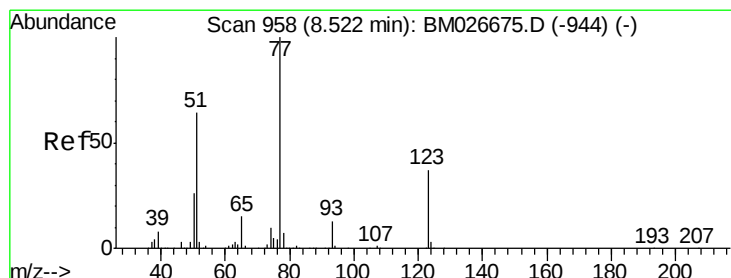
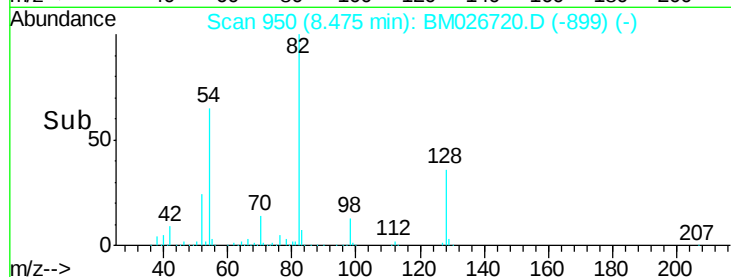
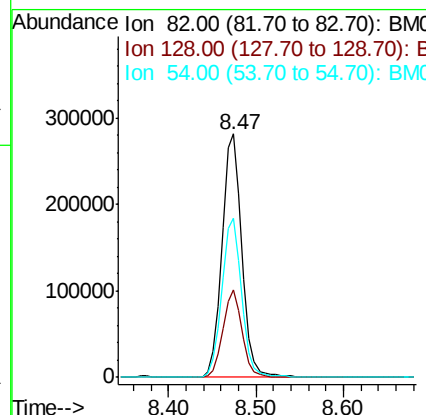
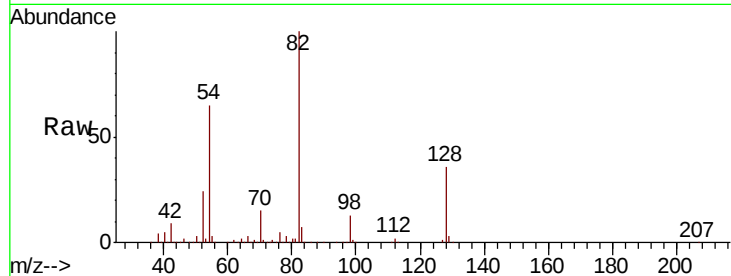
#23
Nitrobenzene-d5
Concen: 73.731 ng
RT: 8.47 min Scan# 950
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.9	29.1	43.7	
54	65.2	50.2	75.4	

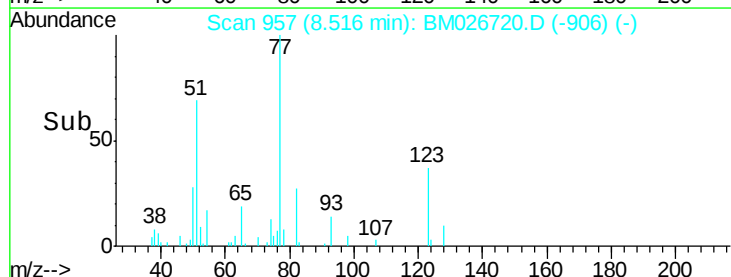
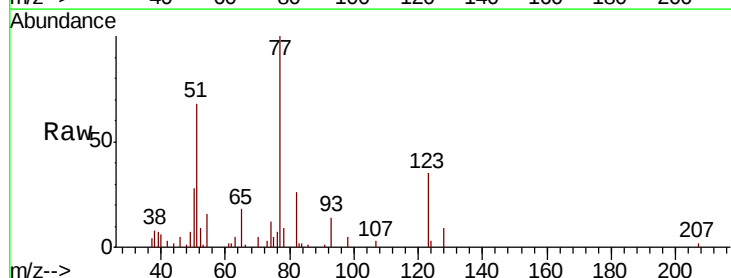
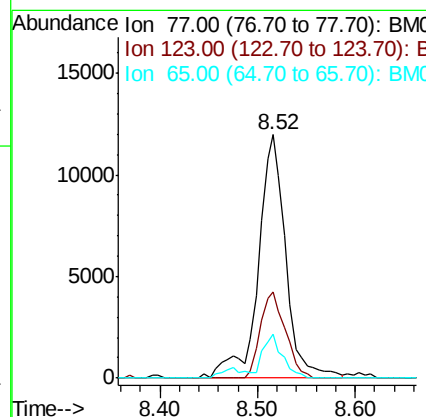
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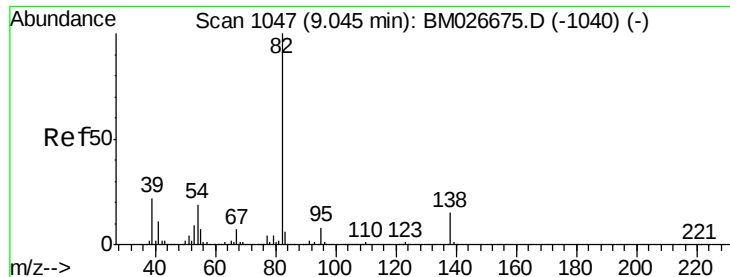
mohammad
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#24
Nitrobenzene
Concen: 3.739 ng
RT: 8.52 min Scan# 957
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	35.3	29.8	44.6	
65	18.1	12.2	18.4	





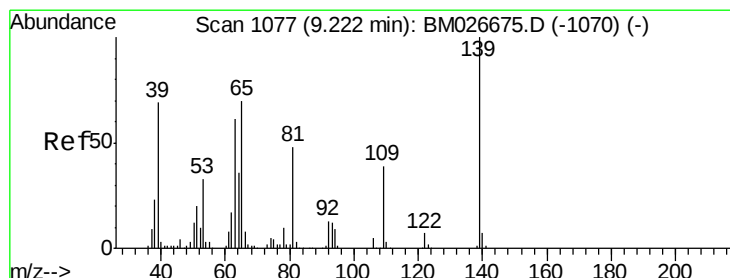
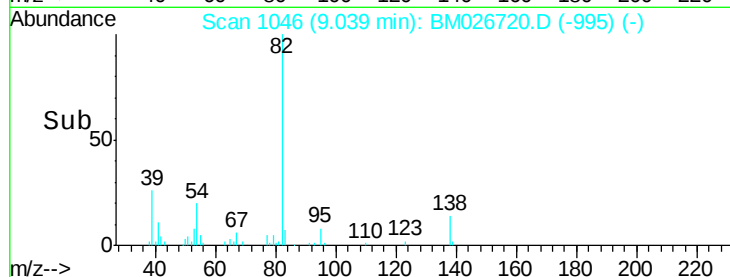
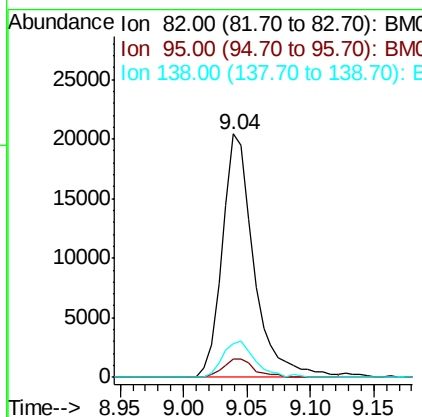
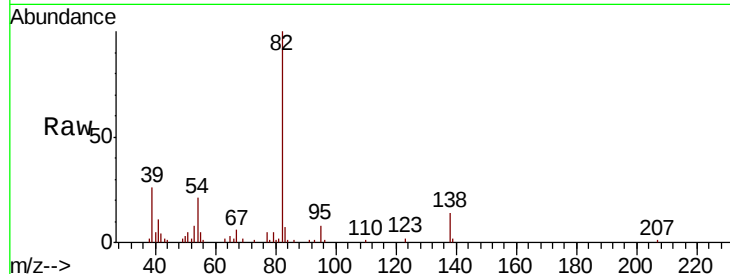
#25
Isophorone
Concen: 3.051 ng
RT: 9.04 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.3	9.5
138	13.8	12.0	18.0

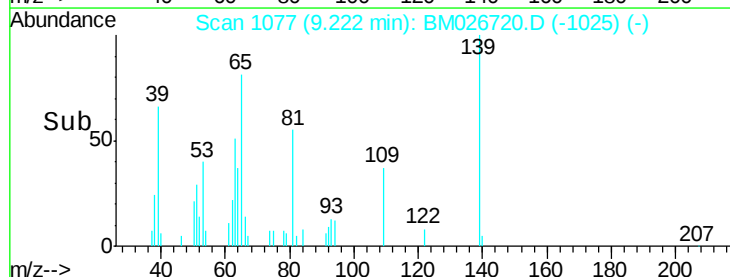
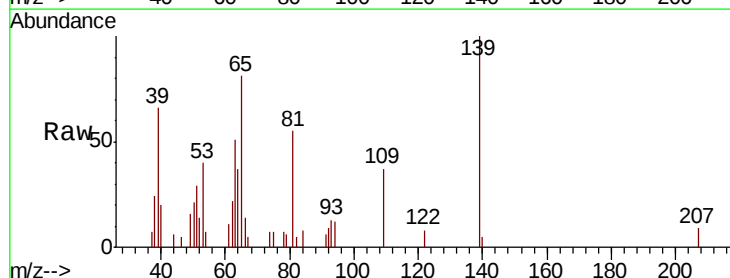
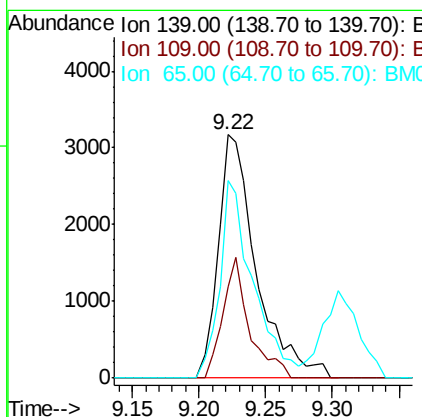
Manual Integrations
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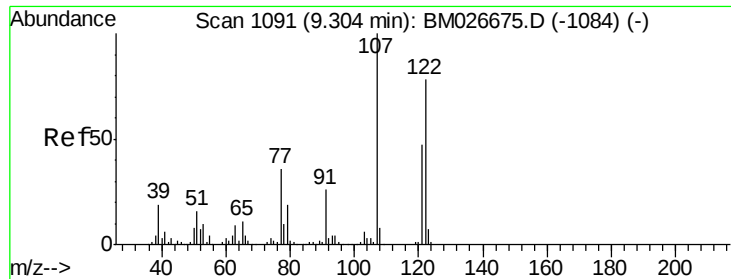
mohammad
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#26
2-Nitrophenol
Concen: 2.708 ng
RT: 9.22 min Scan# 1077
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	37.4	30.8	46.2
65	81.3	56.2	84.4





#27

2,4-Dimethylphenol

Concen: 3.032 ng

RT: 9.30 min Scan# 1091

Delta R.T. 0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

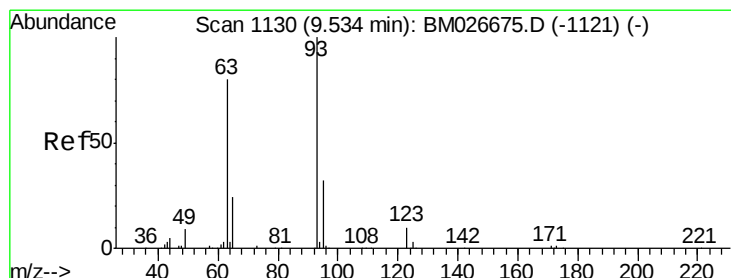
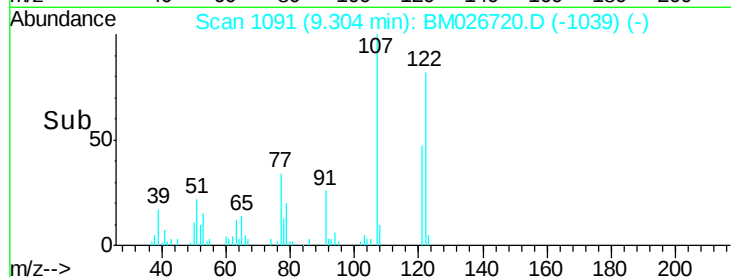
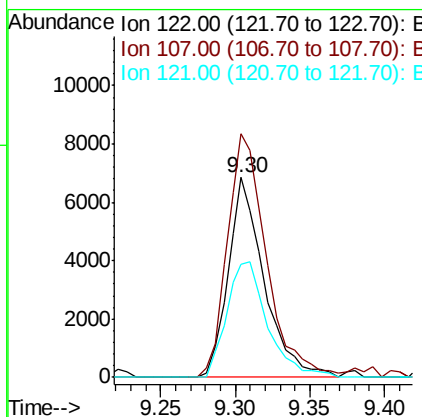
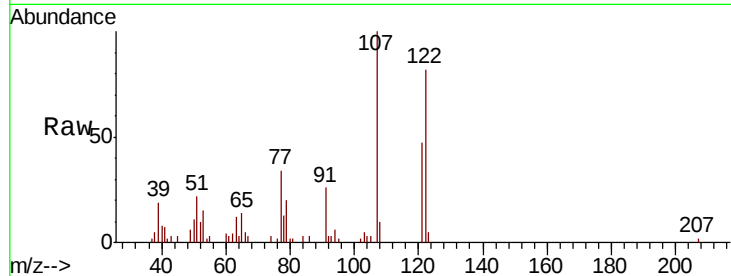
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	121.9	102.1	153.1		
121	56.9	48.2	72.2		

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#28

bis(2-Chloroethoxy)methane

Concen: 3.189 ng

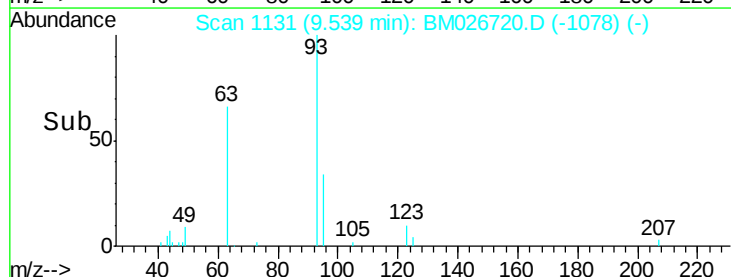
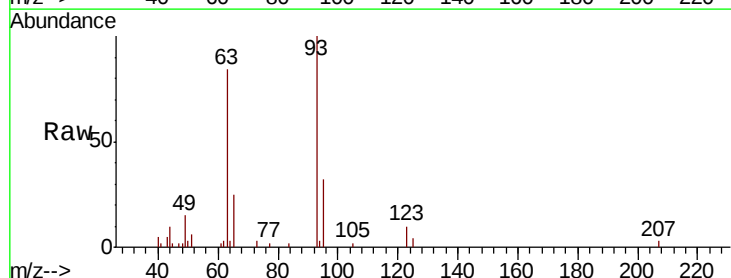
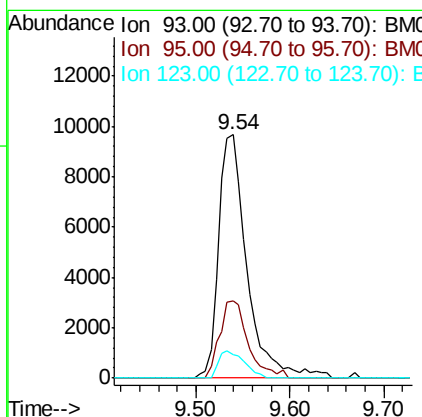
RT: 9.54 min Scan# 1131

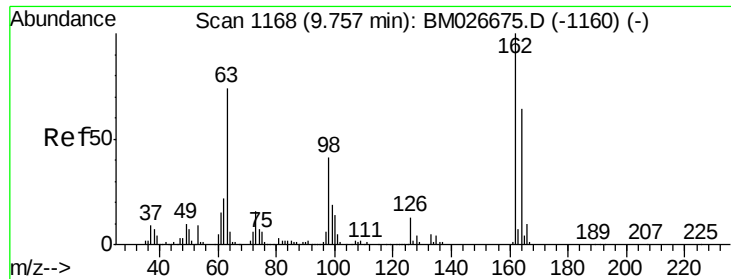
Delta R.T. 0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	32.0	25.7	38.5		
123	9.7	8.7	13.1		





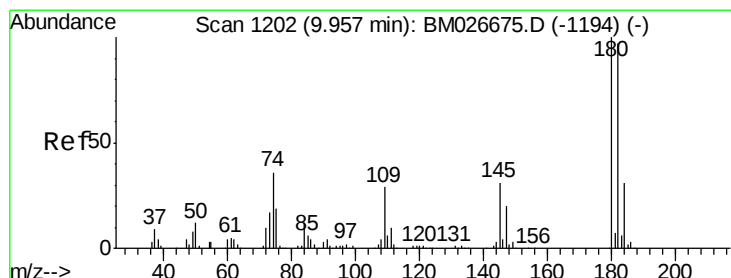
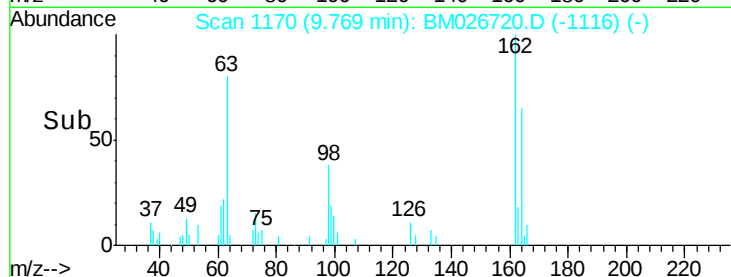
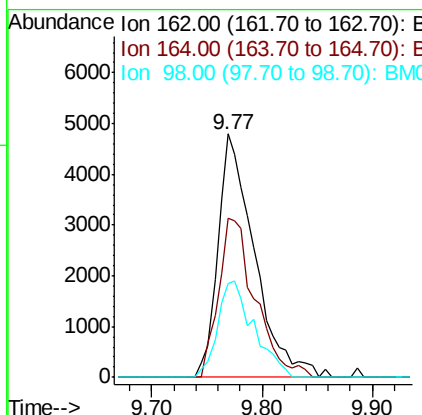
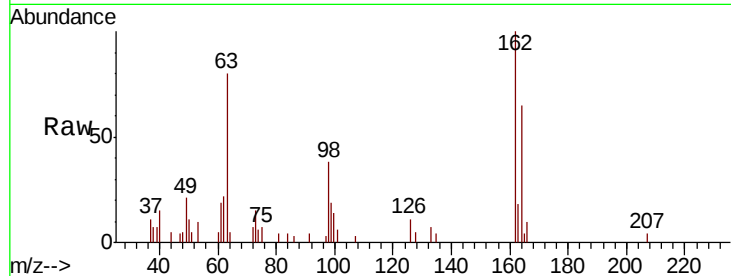
#29
2,4-Dichlorophenol
Concen: 2.632 ng
RT: 9.77 min Scan# 1170
Delta R.T. 0.02 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.3	84.3
98	38.4	21.0	61.0

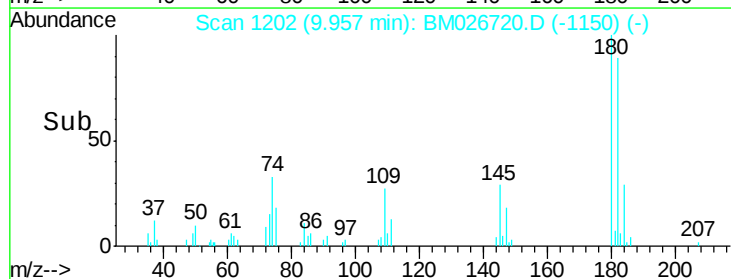
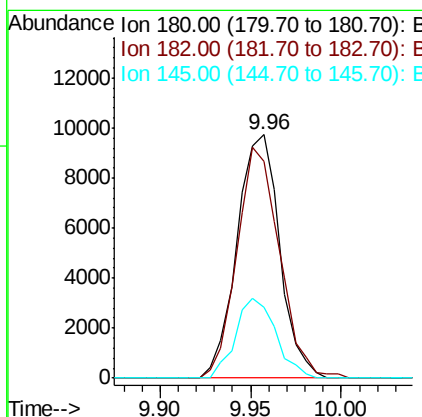
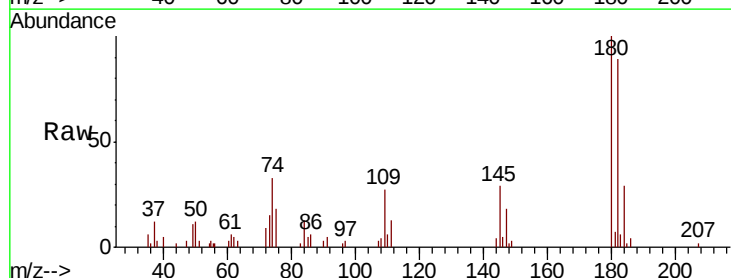
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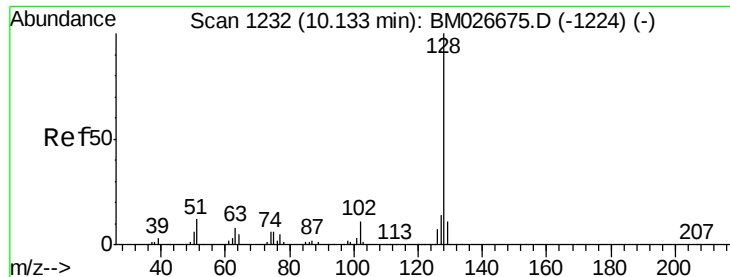
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#30
1,2,4-Trichlorobenzene
Concen: 3.407 ng
RT: 9.96 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.0	77.8	116.6
145	28.9	25.0	37.6





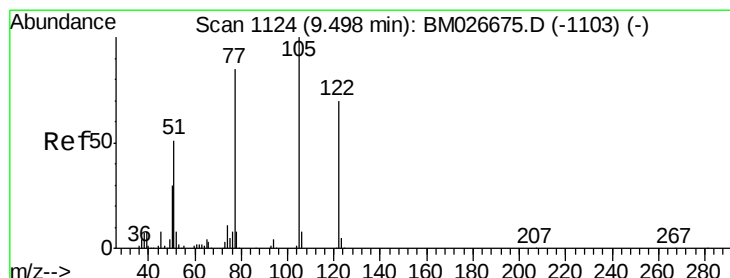
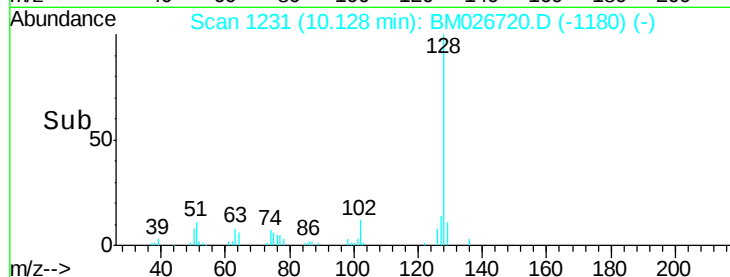
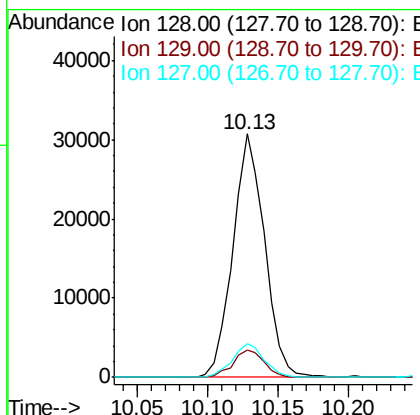
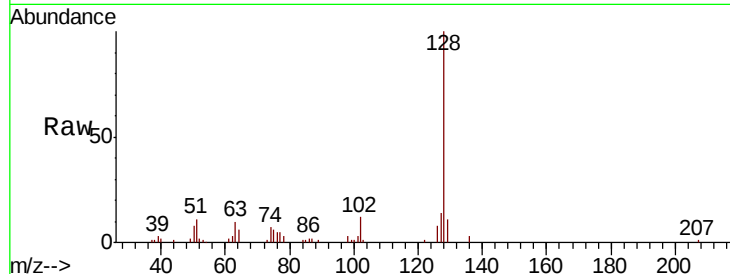
#31
Naphthalene
Concen: 3.355 ng
RT: 10.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	14.0	10.8	16.2

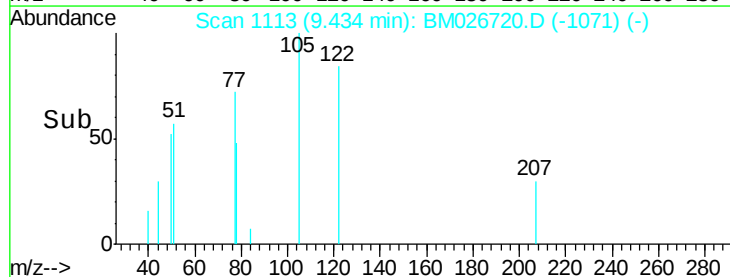
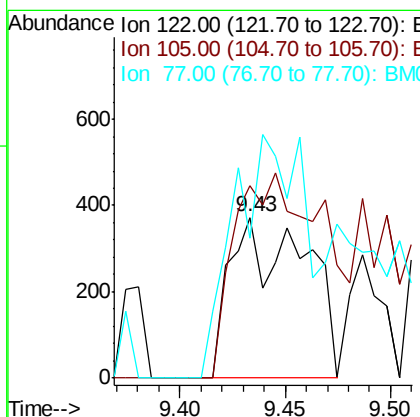
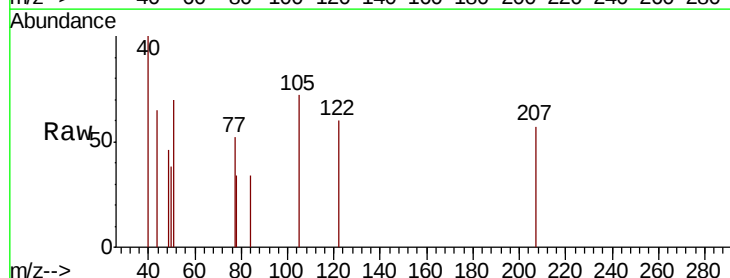
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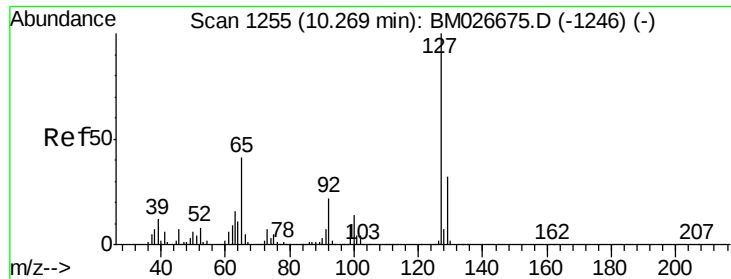
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#32
Benzoic acid
Concen: 7.335 ng m
RT: 9.43 min Scan# 1113
Delta R.T. -0.05 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.6	120.9	160.9#
77	86.6	100.0	140.0#





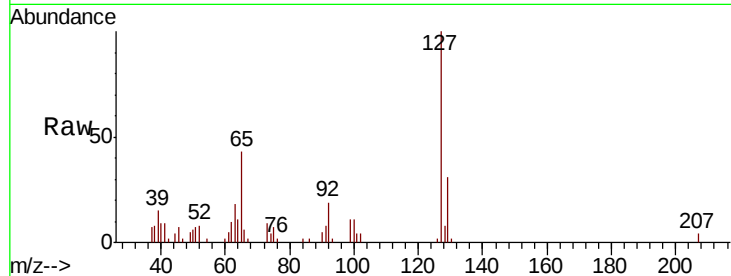
#33
4-Chloroaniline
Concen: 2.971 ng
RT: 10.27 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

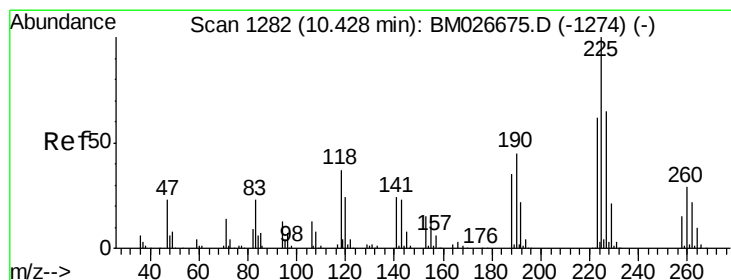
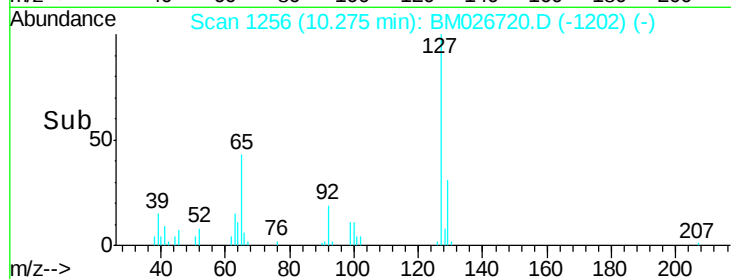
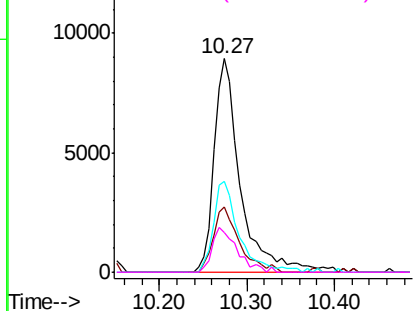
Tot Ion	Ratio	Lower	Upper
127	100		
129	30.5	25.8	38.6
65	42.9	32.5	48.7
92	18.7	17.8	26.8

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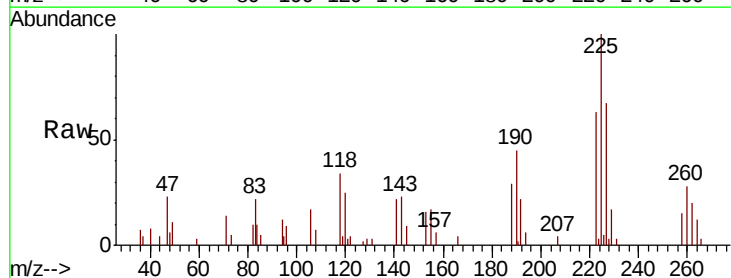


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

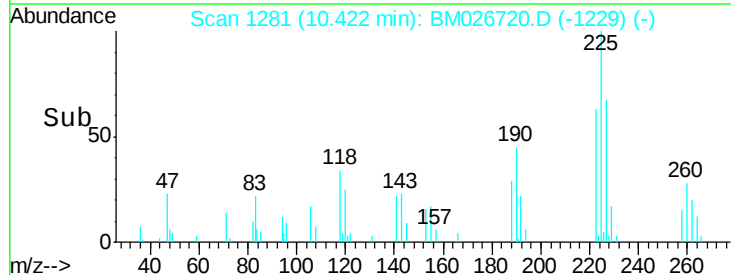
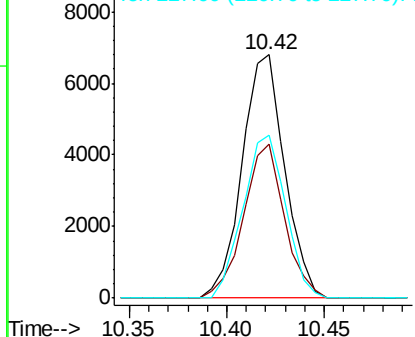


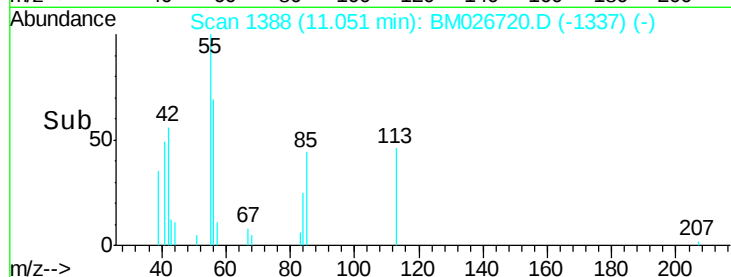
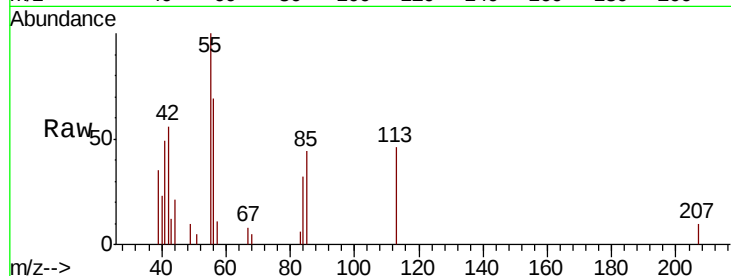
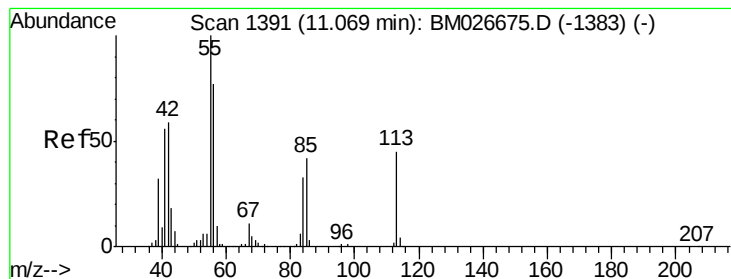
#34
Hexachlorobutadiene
Concen: 3.303 ng
RT: 10.42 min Scan# 1281
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	49.8	74.8
227	67.1	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: 2.275 ng

RT: 11.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

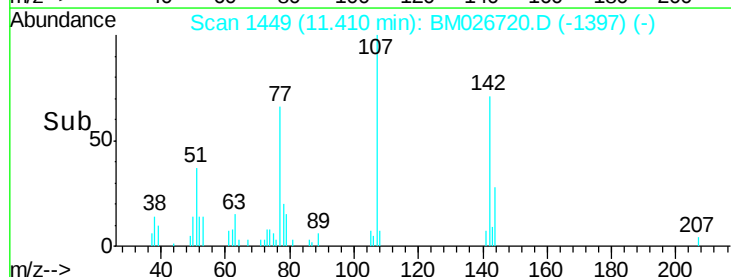
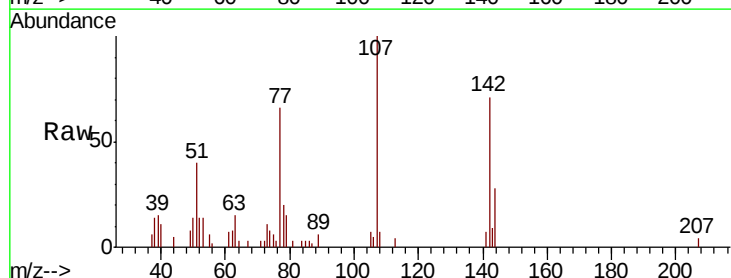
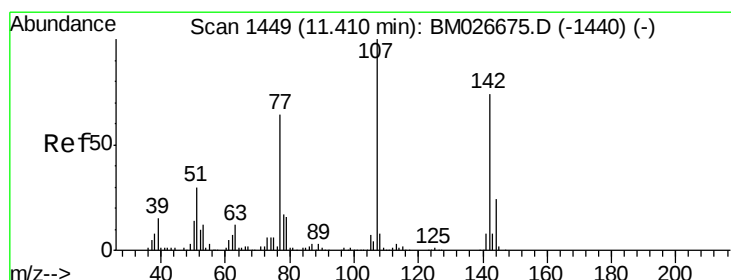
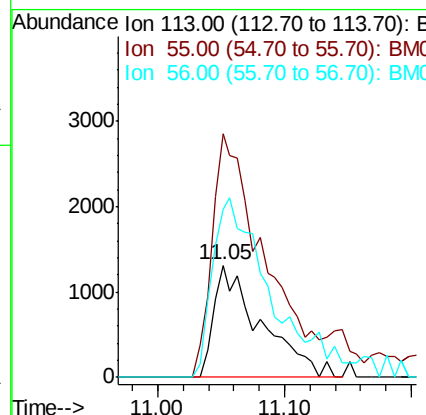
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	217.6	203.5	243.5
56	149.8	151.6	191.6

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#36

4-Chloro-3-methylphenol

Concen: 2.813 ng

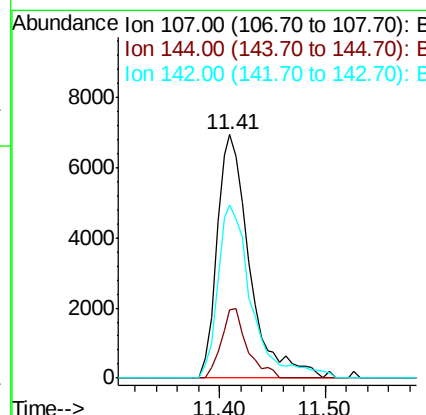
RT: 11.41 min Scan# 1449

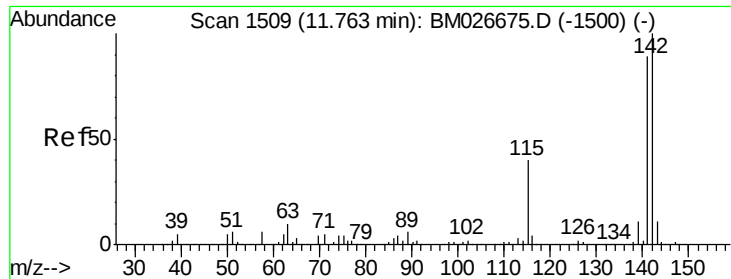
Delta R.T. 0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.8	18.9	28.3
142	71.1	59.0	88.4





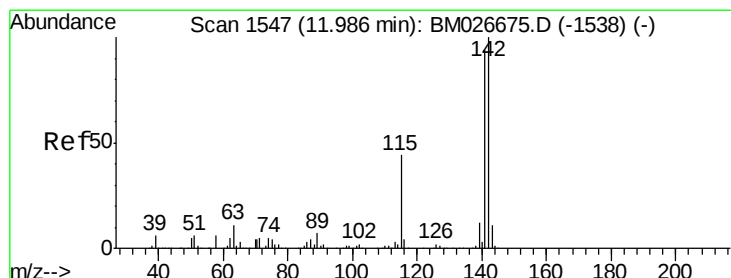
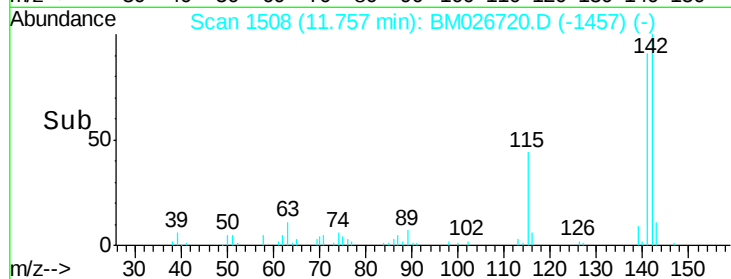
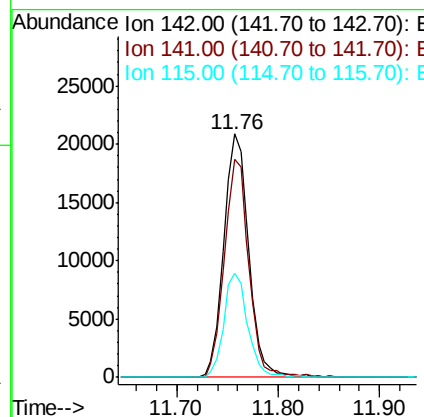
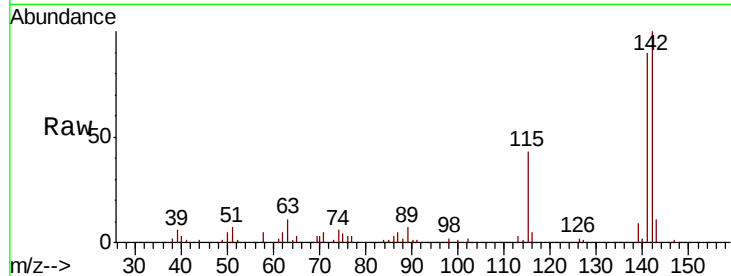
#37
2-Methylnaphthalene
Concen: 3.357 ng
RT: 11.76 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.4	107.0
115	42.7	32.1	48.1

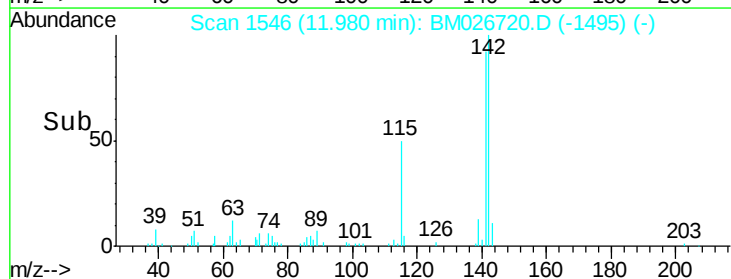
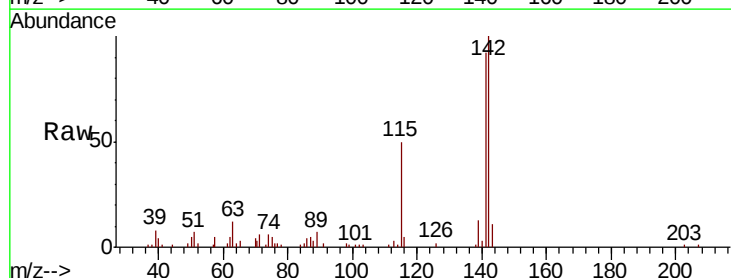
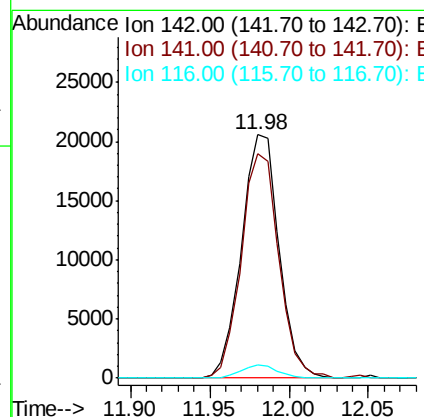
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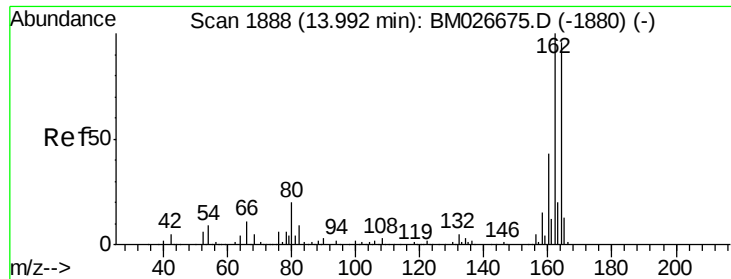
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#38
1-Methylnaphthalene
Concen: 3.323 ng
RT: 11.98 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	75.0	112.6
116	5.5	3.5	5.3#





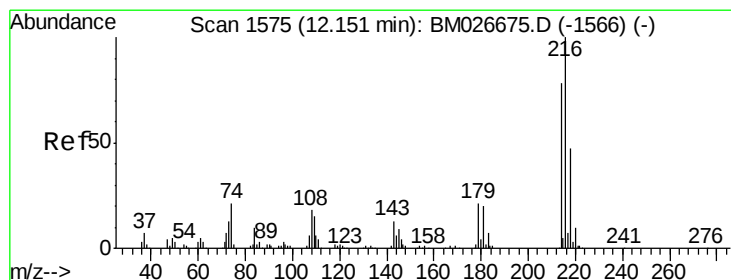
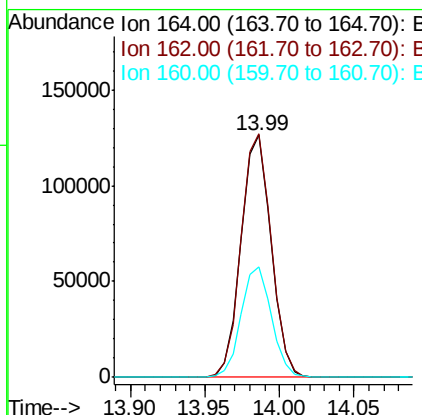
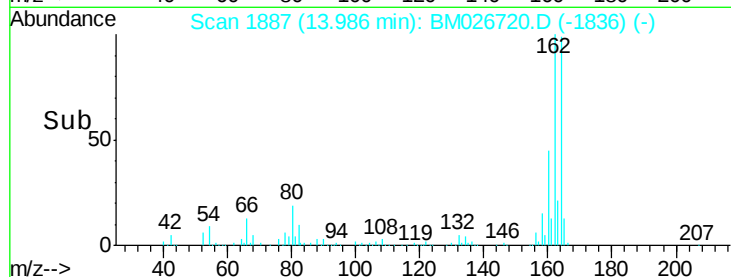
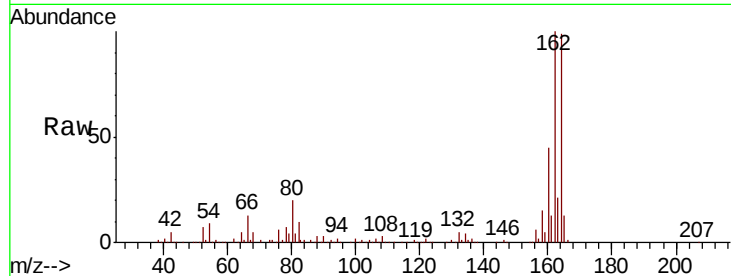
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.99 min Scan# 1887
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	83.7	125.5
160	45.4	36.2	54.2

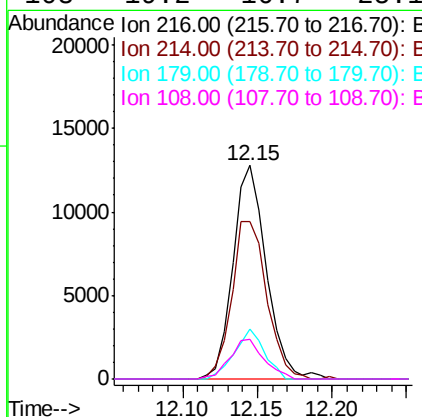
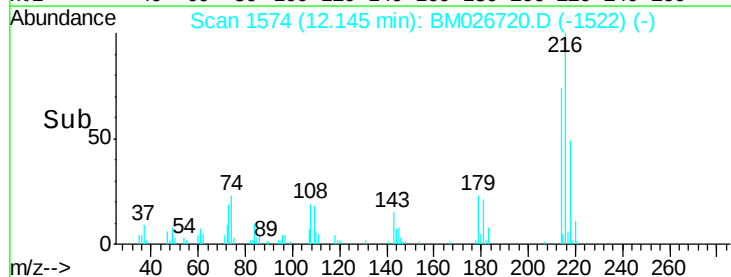
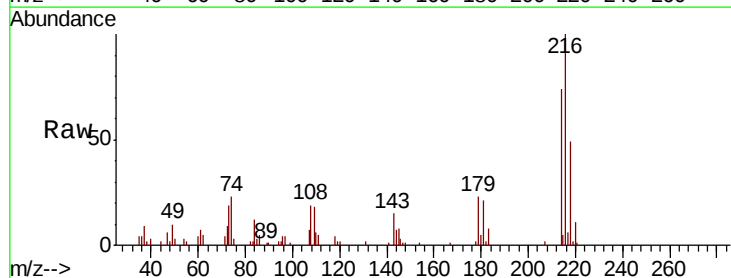
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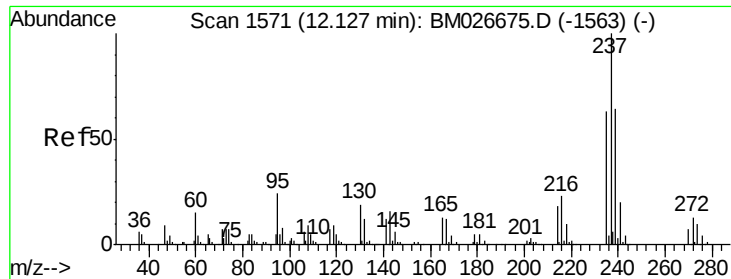
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.496 ng
RT: 12.15 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.5	62.6	93.8
179	20.9	17.5	26.3
108	19.2	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 7.341 ng

RT: 12.12 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

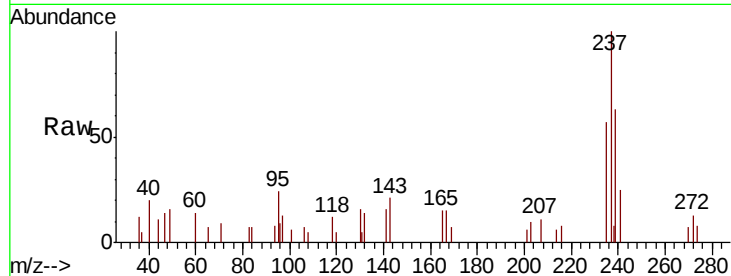
ClientSampleId :

MDL-SOIL-03-QT3-2020

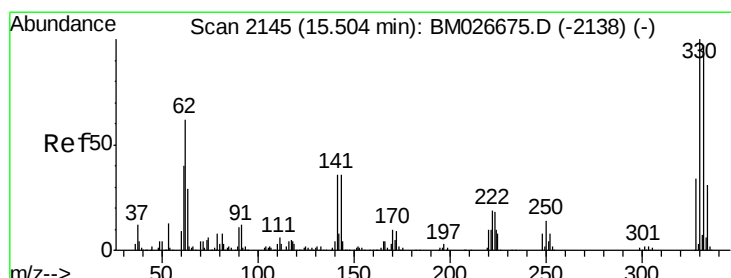
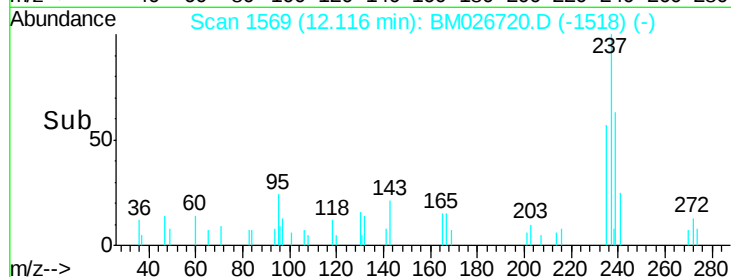
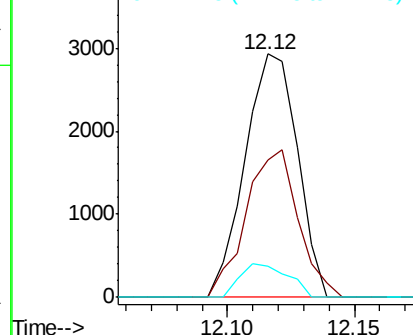
Tot Ion:	237	Resp:	4230
Ion Ratio	Lower	Upper	
237	100		
235	56.7	42.8	82.8
272	12.6	0.0	32.8

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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: 159.344 ng

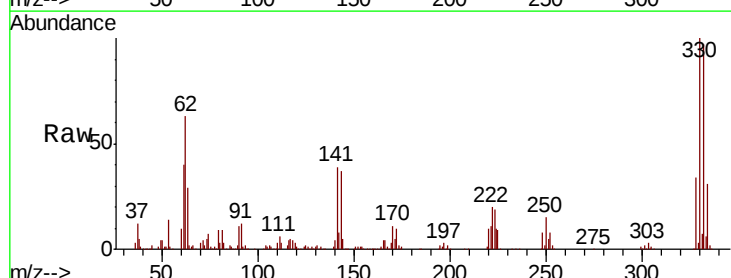
RT: 15.50 min Scan# 2144

Delta R.T. 0.00 min

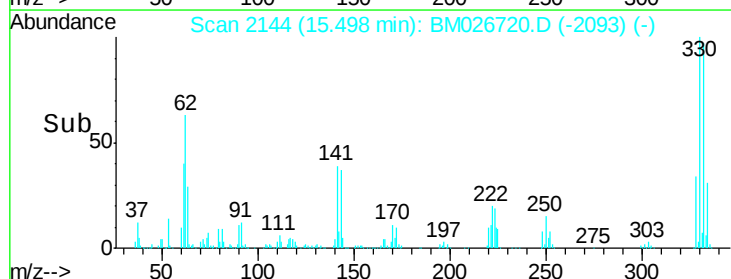
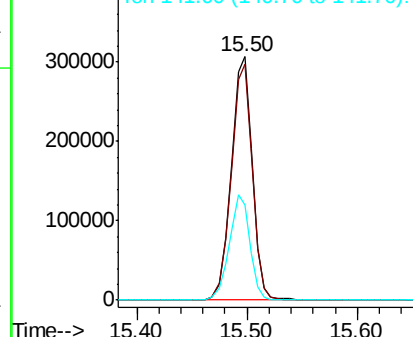
Lab File: BM026720.D

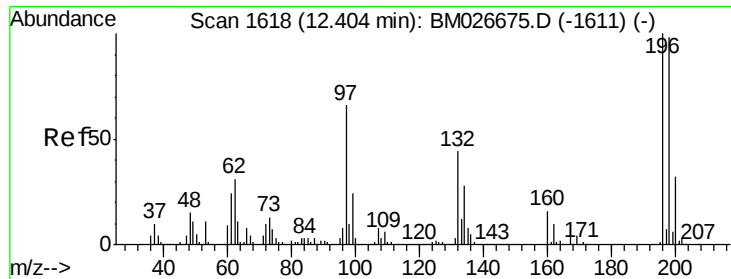
Acq: 09 Jul 2020 15:47

Tgt Ion:	330	Resp:	409063
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.5	116.3
141	42.4	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





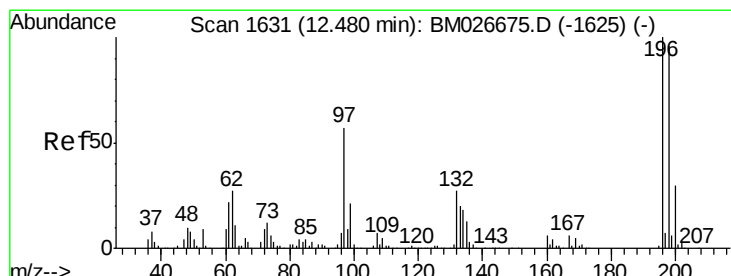
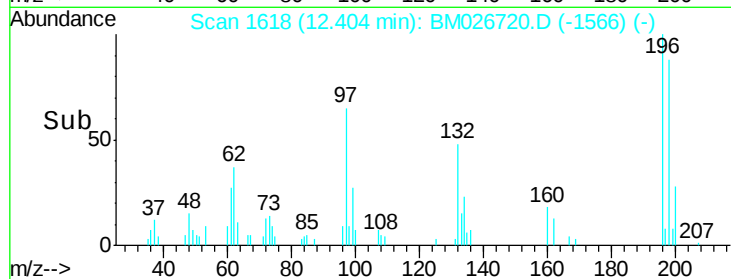
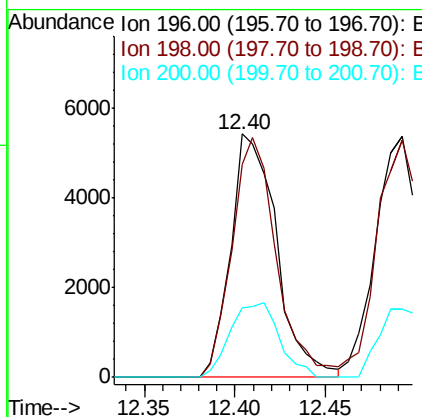
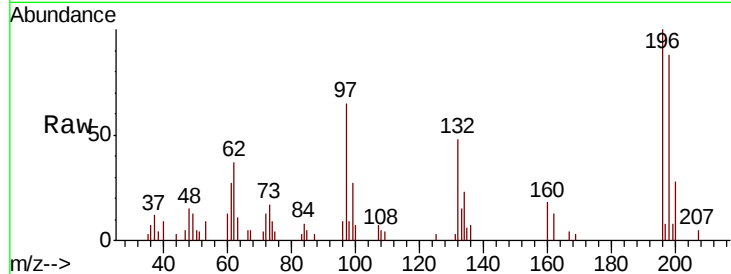
#43
 2,4,6-Trichlorophenol
 Concen: 2.573 ng
 RT: 12.40 min Scan# 1618
 Delta R.T. 0.01 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	87.5	78.6	118.0
200	28.4	25.3	37.9

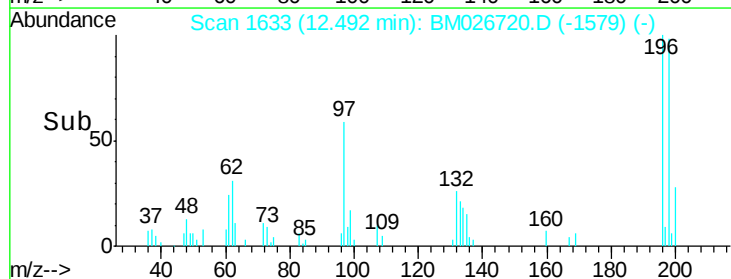
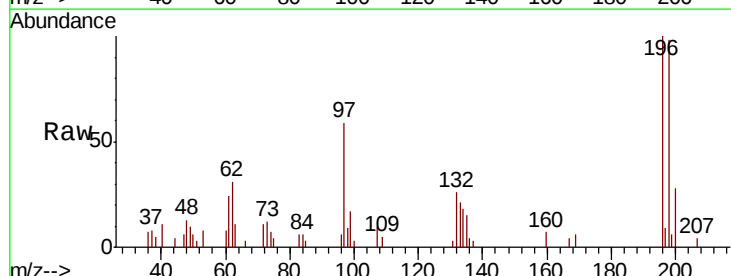
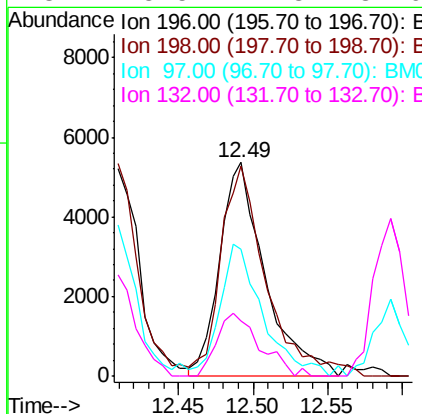
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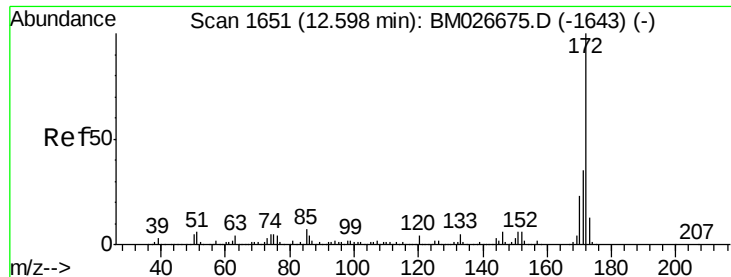
mohammad
 7/10/2020 11:51:34 AM



#44
 2,4,5-Trichlorophenol
 Concen: 2.597 ng
 RT: 12.49 min Scan# 1633
 Delta R.T. 0.02 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.4	77.0	115.6
97	59.2	45.7	68.5
132	25.5	21.8	32.6





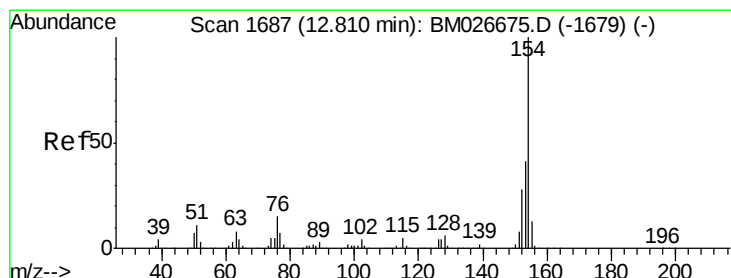
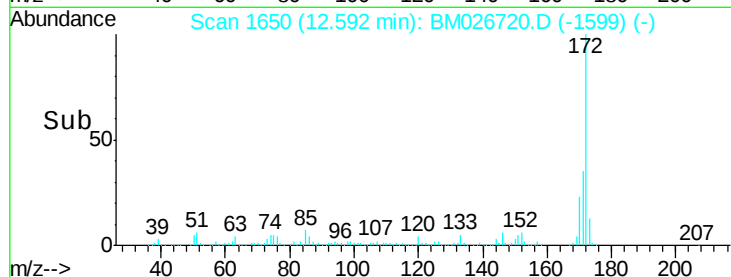
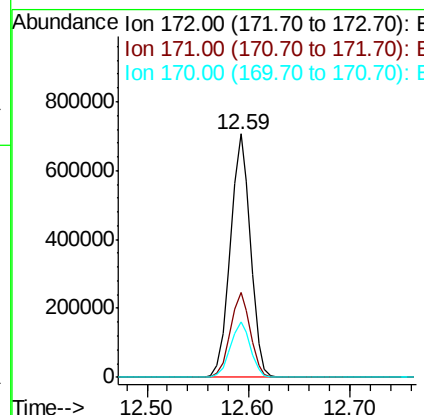
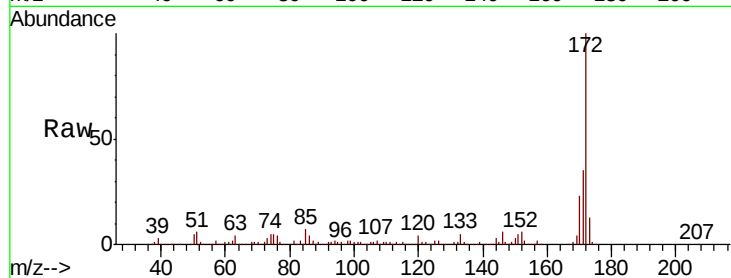
#45
2-Fluorobiphenyl
Concen: 73.038 ng
RT: 12.59 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	22.8	18.5	27.7

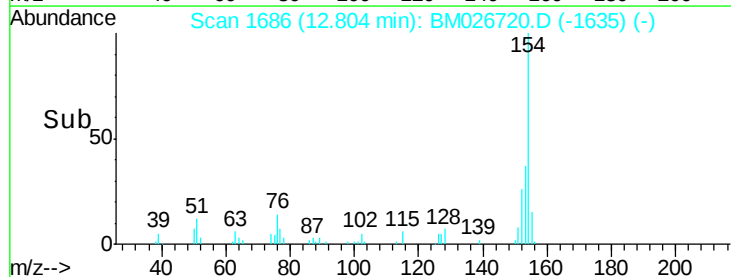
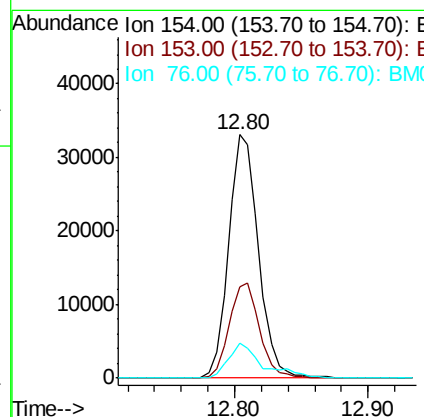
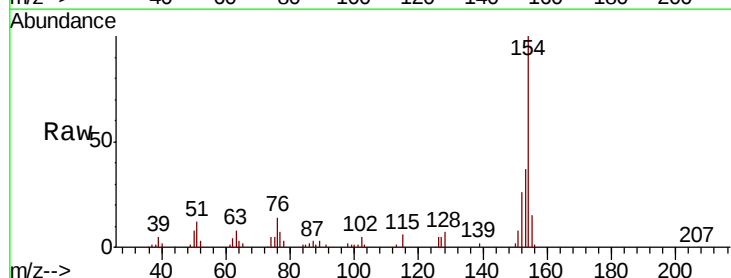
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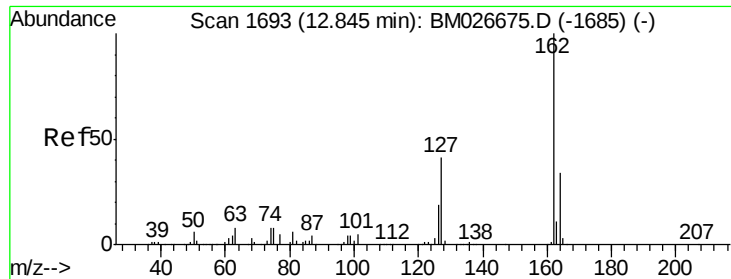
mohammad
7/10/2020 11:51:34 AM



#46
1,1'-Biphenyl
Concen: 3.709 ng
RT: 12.80 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.4	20.9	60.9
76	14.5	0.0	35.2





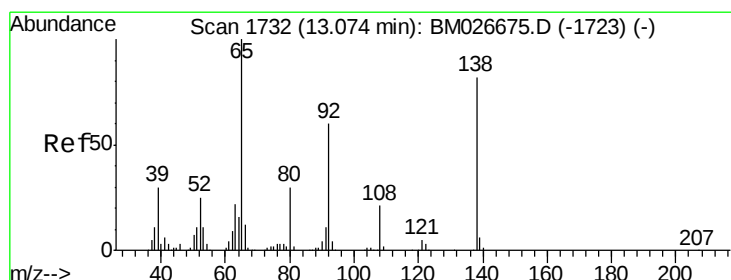
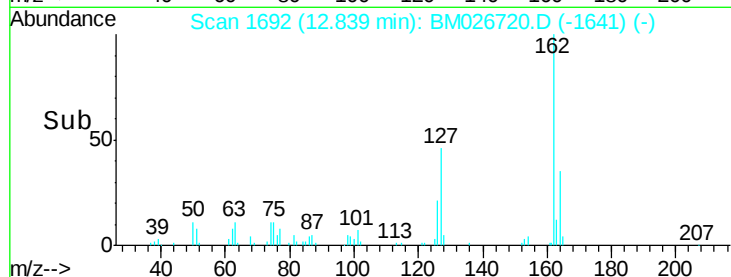
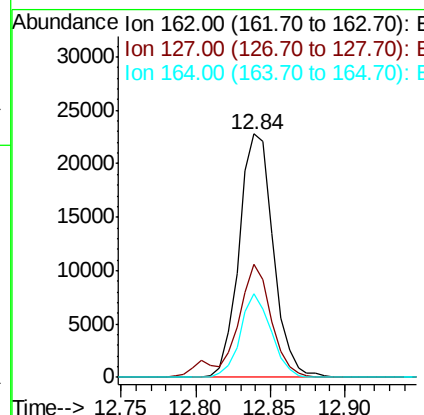
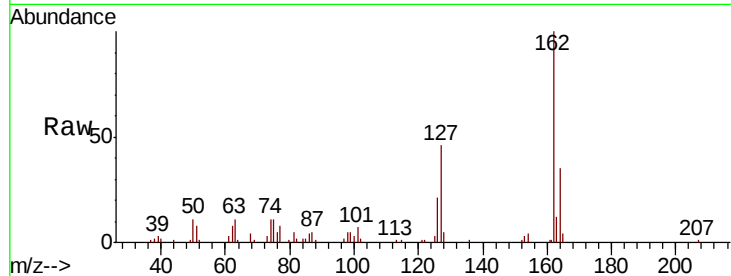
#47
2-Chloronaphthalene
Concen: 3.221 ng
RT: 12.84 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	46.2	34.0	51.0
164	34.5	26.9	40.3

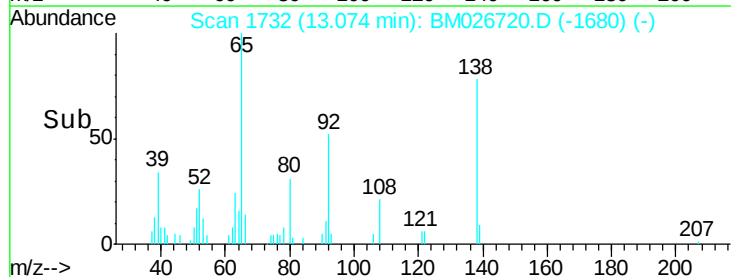
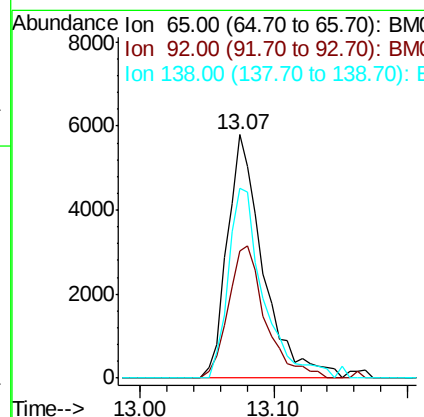
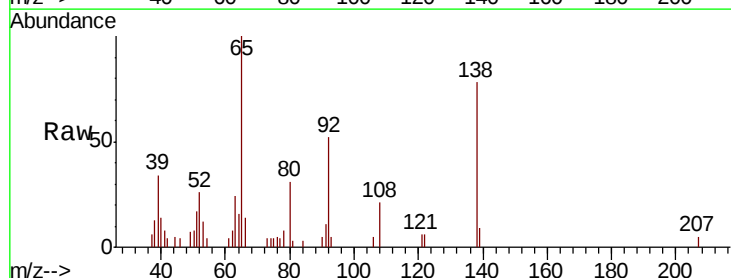
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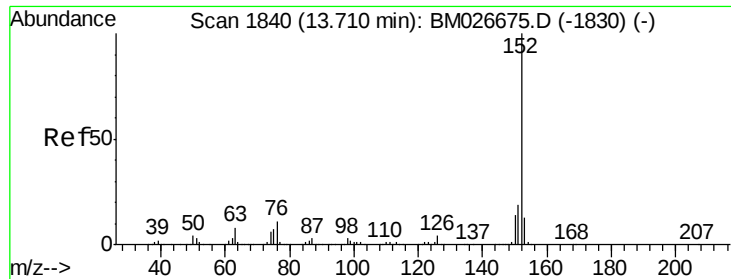
mohammad
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#48
2-Nitroaniline
Concen: 2.356 ng
RT: 13.07 min Scan# 1732
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
65	100		
92	52.2	47.8	71.8
138	78.1	65.6	98.4





#49

Acenaphthylene

Concen: 3.109 ng

RT: 13.70 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

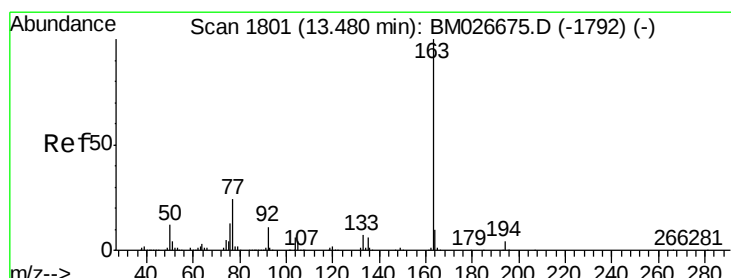
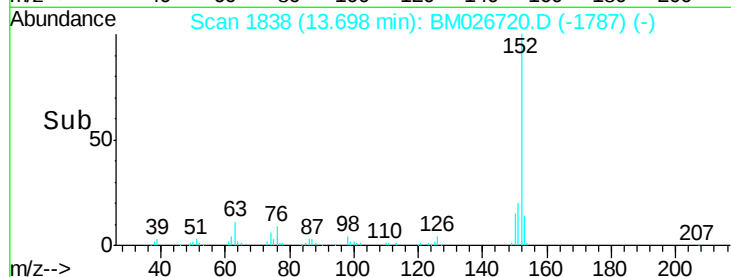
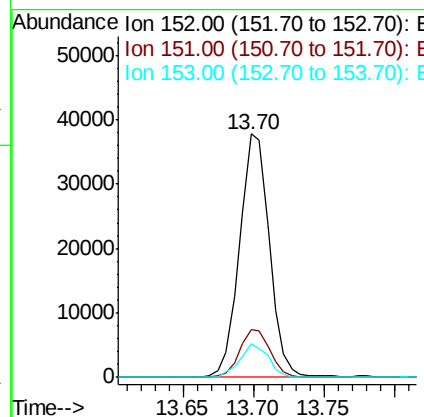
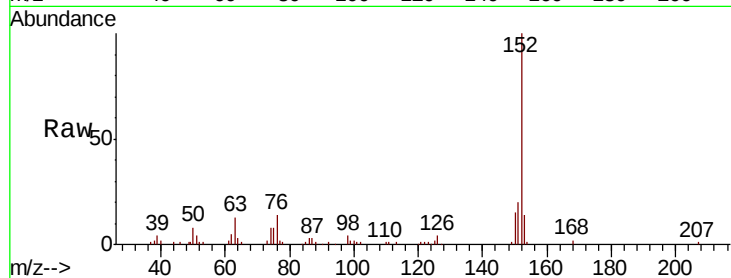
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		55893		
151	19.8		15.6	23.4	
153	13.7		10.4	15.6	

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#50

Dimethylphthalate

Concen: 3.280 ng

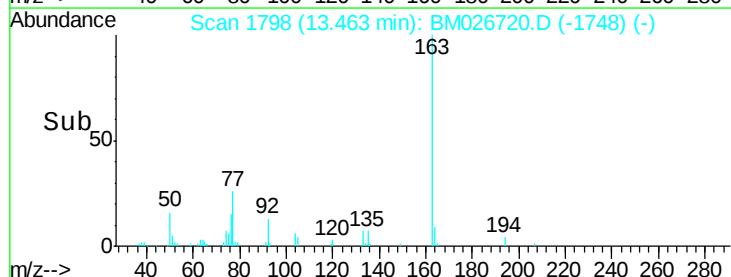
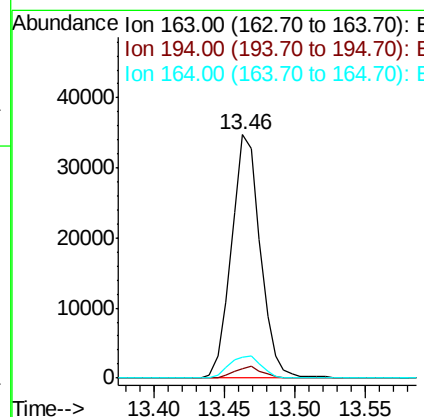
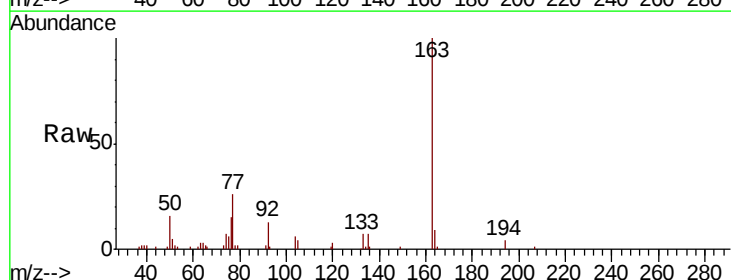
RT: 13.46 min Scan# 1798

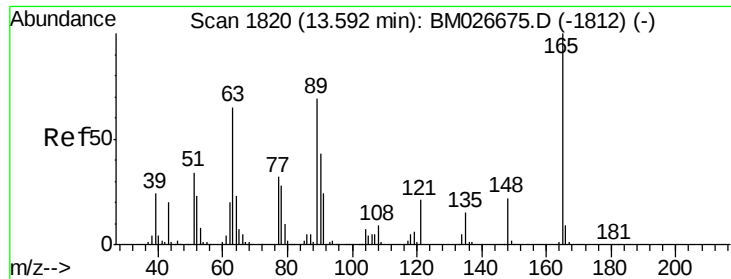
Delta R.T. -0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		49448		
194	4.0		3.4	5.2	
164	8.7		7.8	11.6	





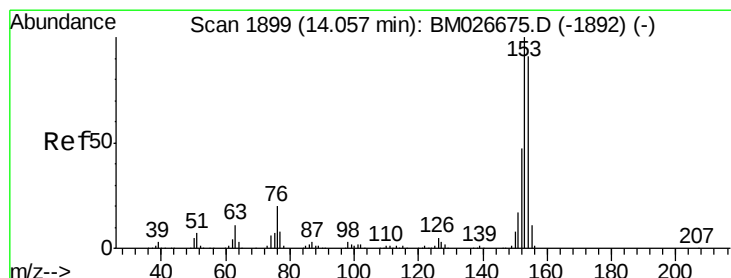
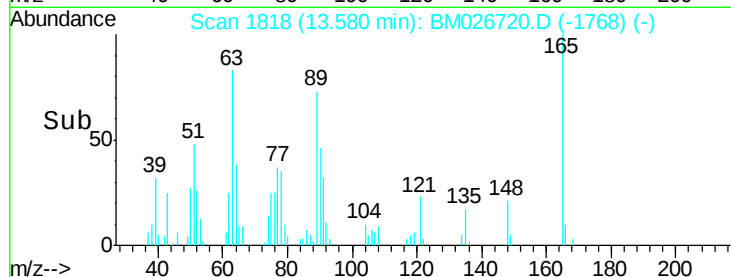
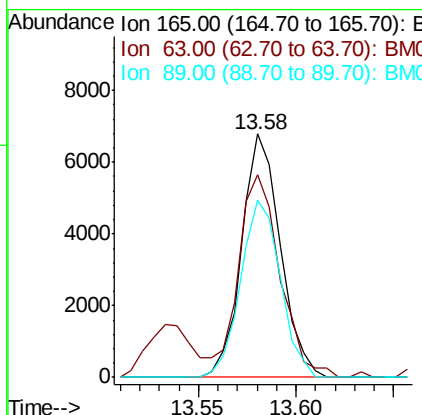
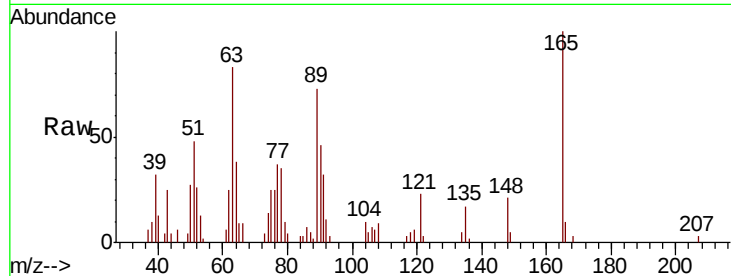
#51
2,6-Dinitrotoluene
Concen: 2.882 ng
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	83.1	61.1	91.7
89	72.8	54.9	82.3

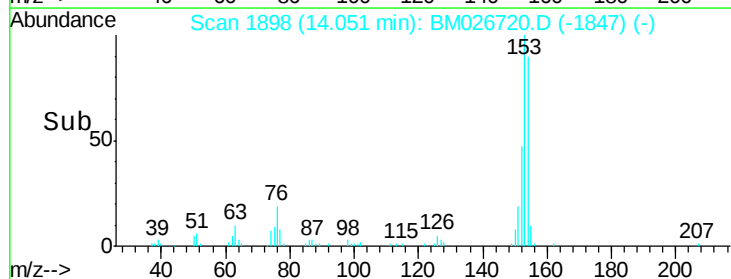
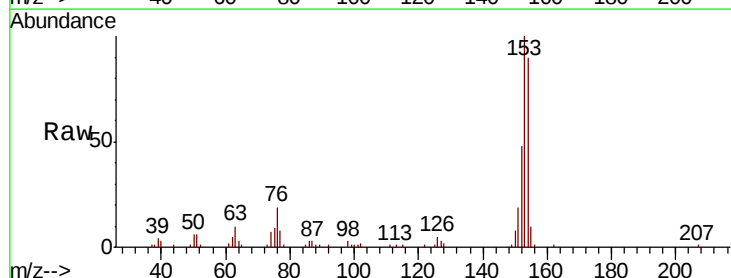
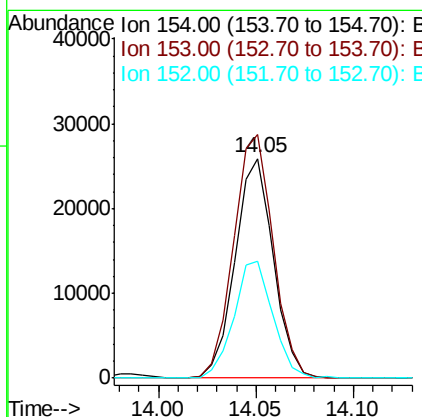
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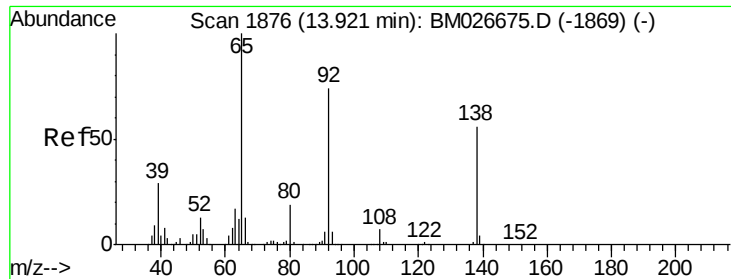
mohammad
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#52
Acenaphthene
Concen: 3.227 ng
RT: 14.05 min Scan# 1898
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	88.3	132.5
152	53.3	41.1	61.7





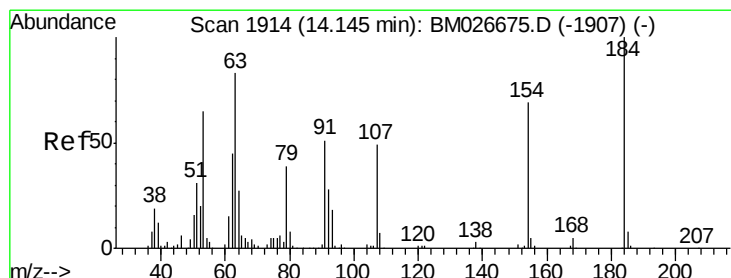
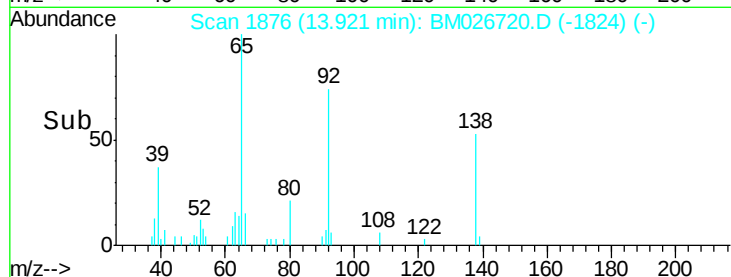
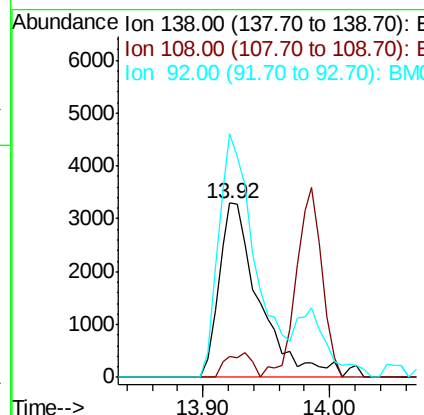
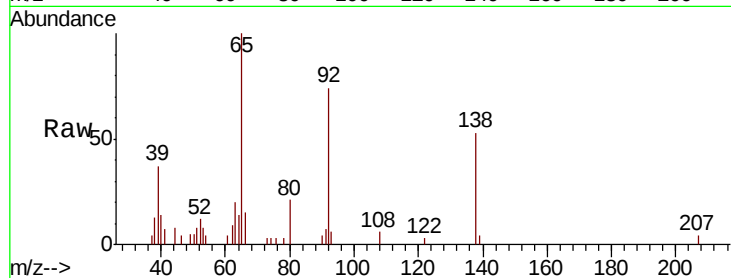
#53
3-Nitroaniline
Concen: 2.166 ng
RT: 13.92 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:138 Resp: 7273
Ion Ratio Lower Upper
138 100
108 12.2 9.7 14.5
92 140.0 105.6 158.4

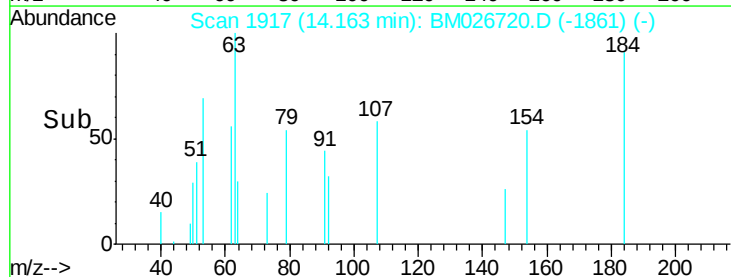
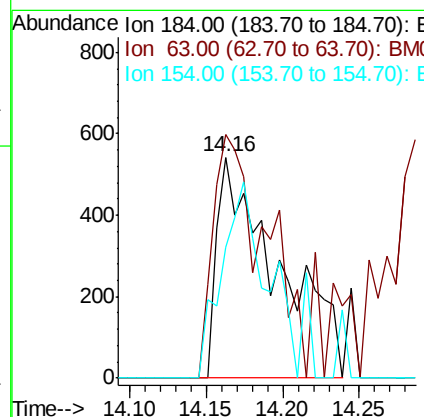
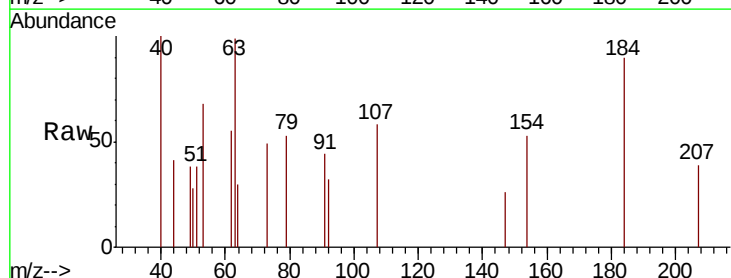
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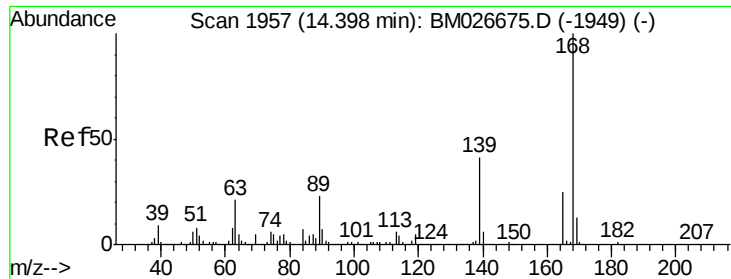
mohammad
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#54
2,4-Dinitrophenol
Concen: 6.890 ng m
RT: 14.16 min Scan# 1917
Delta R.T. 0.03 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion:184 Resp: 1506
Ion Ratio Lower Upper
184 100
63 110.3 66.2 99.4#
154 59.4 55.2 82.8





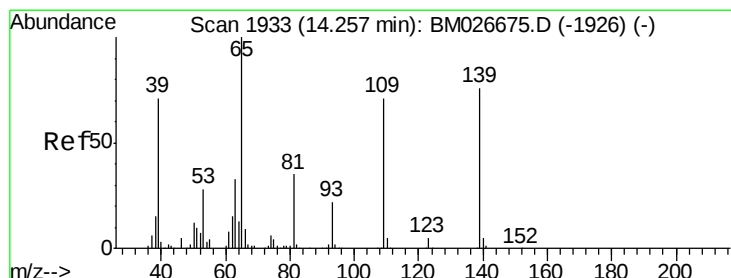
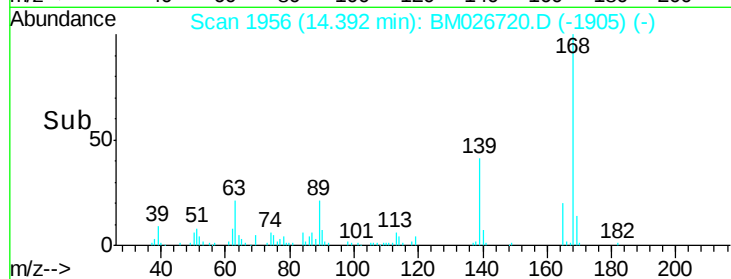
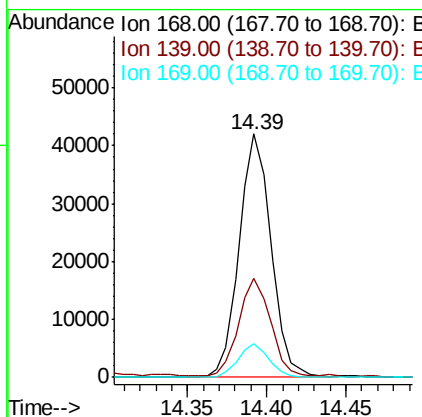
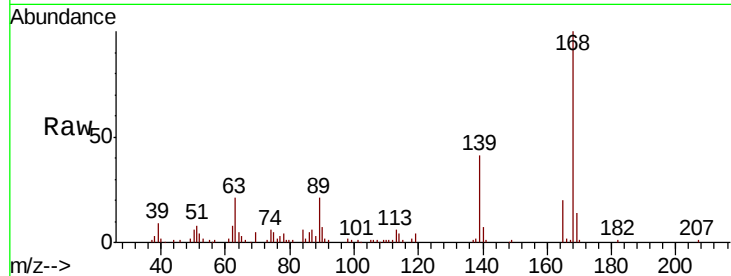
#55
Dibenzofuran
Concen: 3.291 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.7	32.6	48.8
169	13.8	10.5	15.7

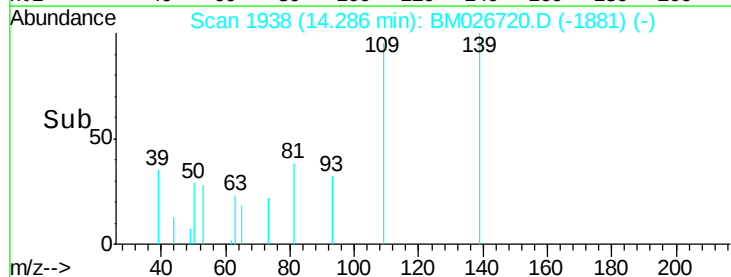
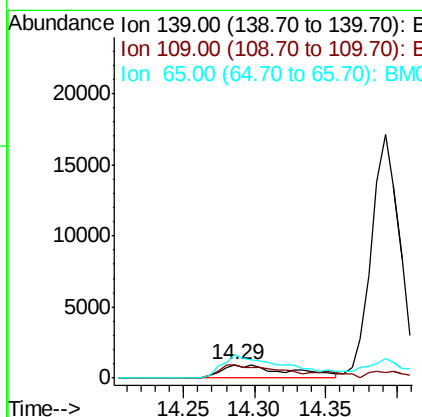
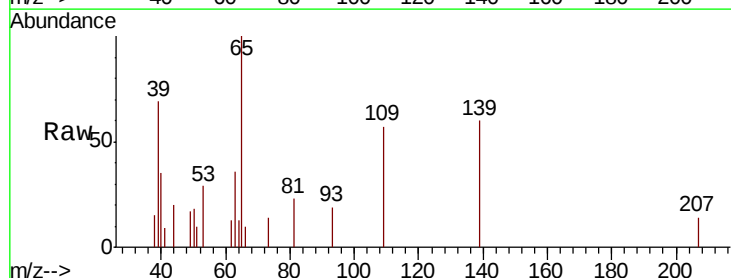
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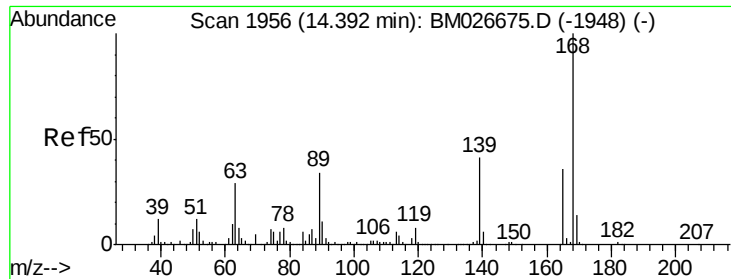
mohammad
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#56
4-Nitrophenol
Concen: 4.919 ng m
RT: 14.29 min Scan# 1938
Delta R.T. 0.04 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	95.3	73.7	113.7
65	166.1	111.5	151.5#





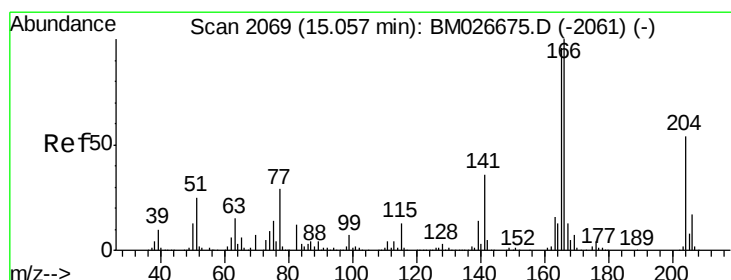
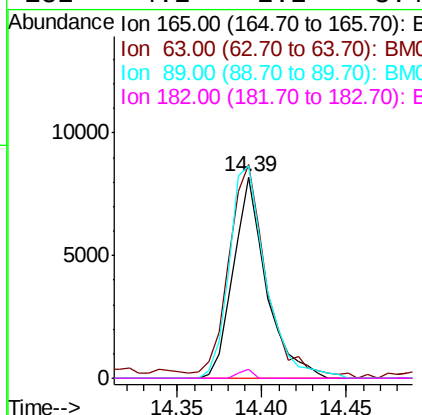
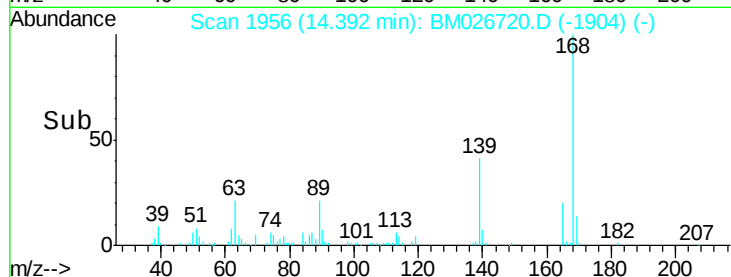
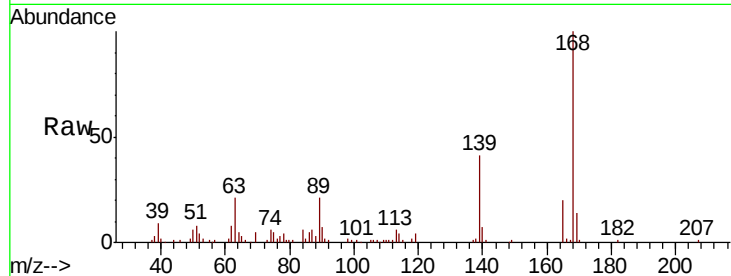
#57
2,4-Dinitrotoluene
Concen: 2.396 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	106.0	64.6	97.0#
89	105.8	75.4	113.2
182	4.2	2.2	3.4#

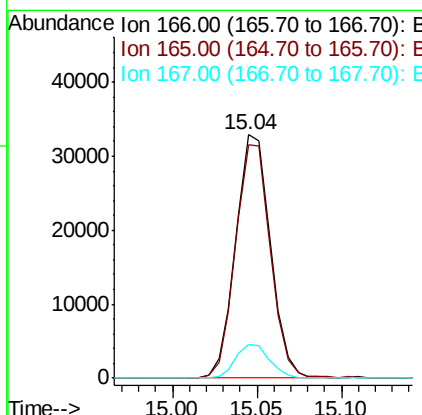
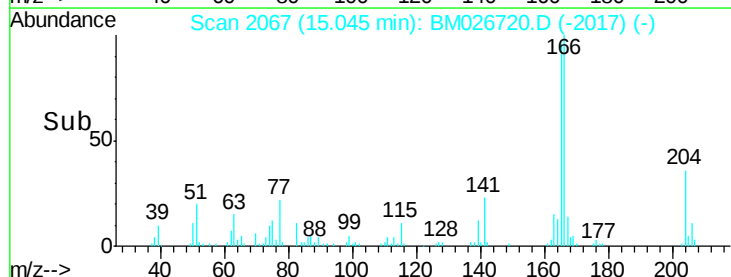
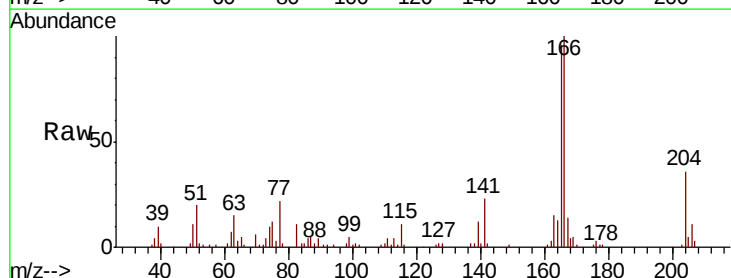
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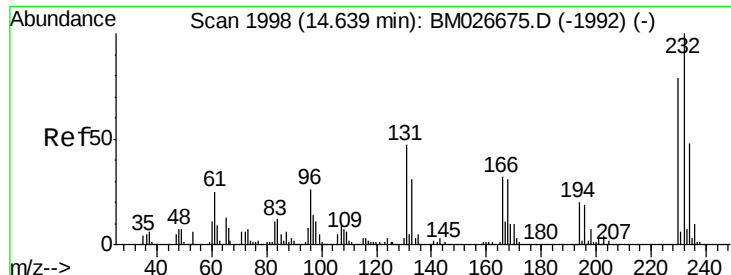
mohammad
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#58
Fluorene
Concen: 3.183 ng
RT: 15.04 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.1	115.7
167	13.9	10.8	16.2





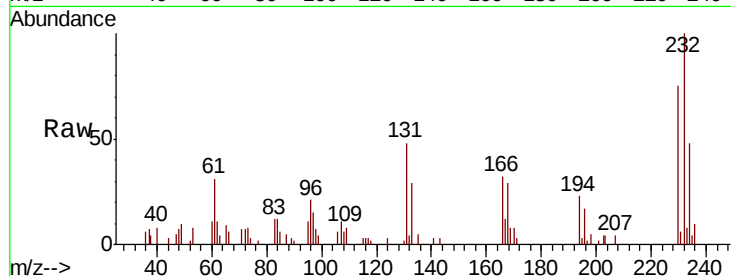
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 2.973 ng m
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
232	100	11387		
131	34.5	38.4	57.6#	
130	2.0	2.2	3.2#	
166	23.2	25.4	38.0#	

Manual Integrations
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 7/10/2020 11:51:34 AM



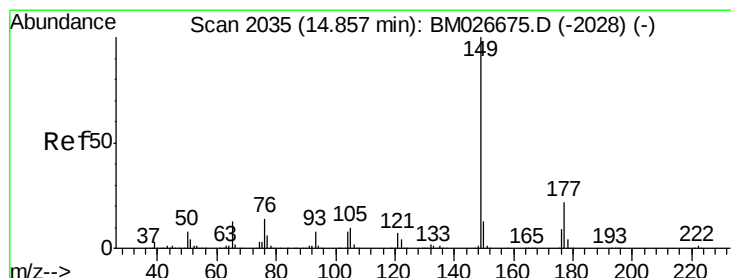
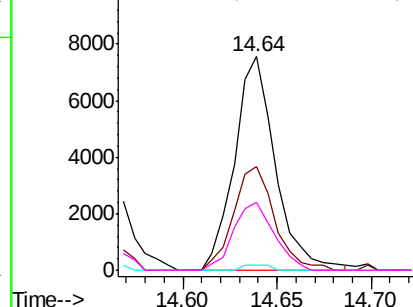
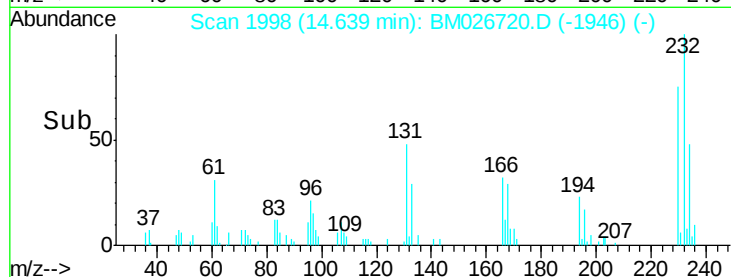
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

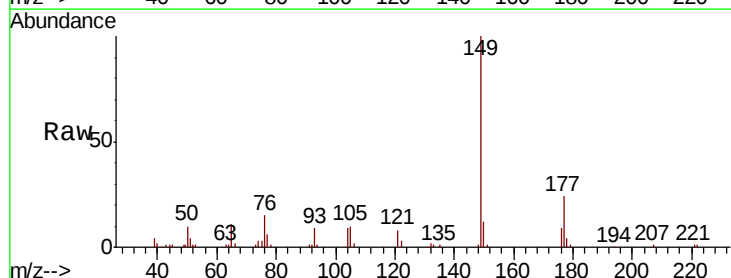
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 3.035 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	48368		
177	23.5	17.8	26.6	
150	11.9	10.2	15.4	

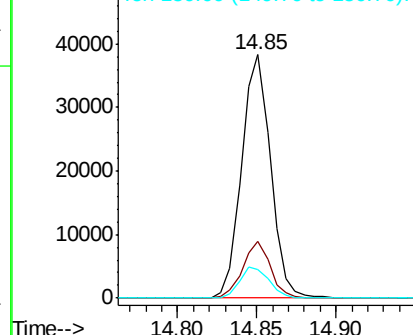
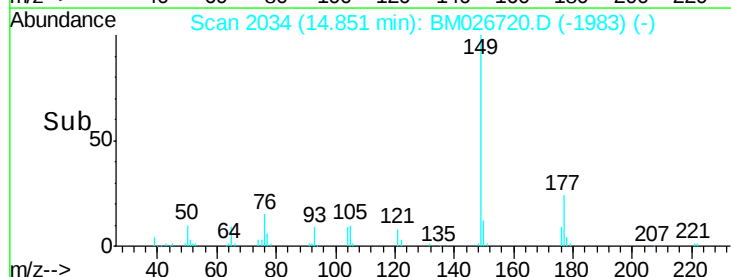


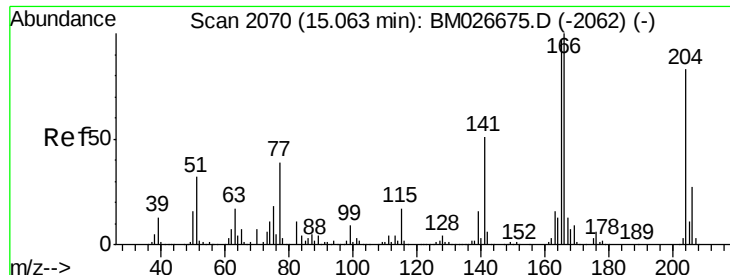
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





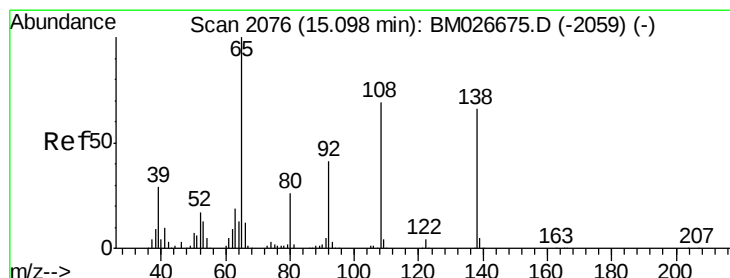
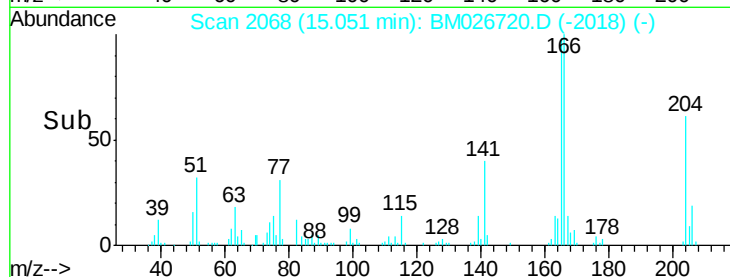
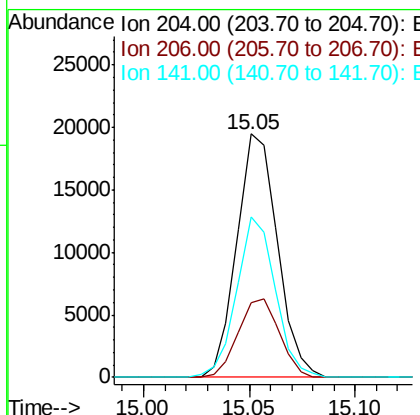
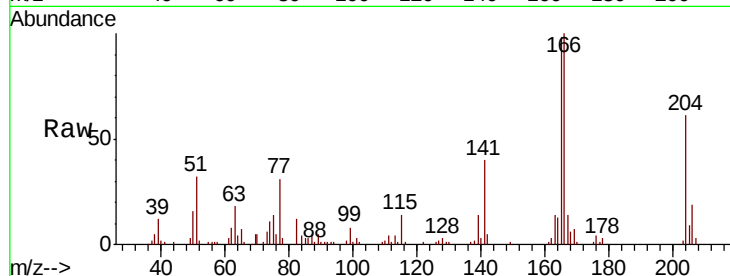
#61
4-Chlorophenyl-phenylether
Concen: 3.231 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion: 204 Resp: 25963
Ion Ratio Lower Upper
204 100
206 30.9 25.9 38.9
141 65.9 49.5 74.3

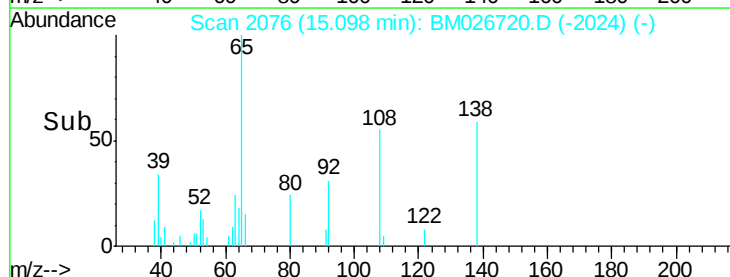
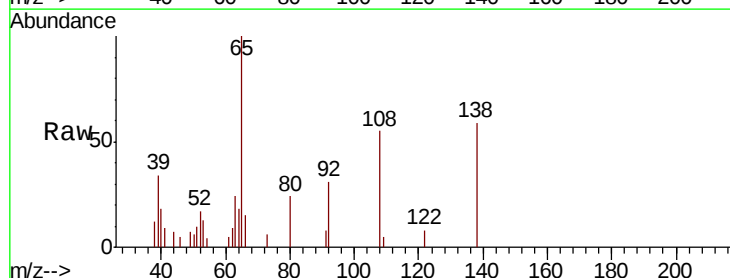
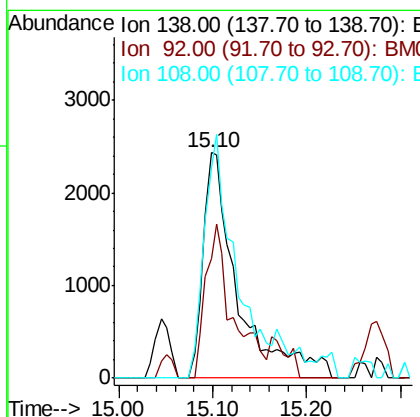
Manual Integrations
APPROVED

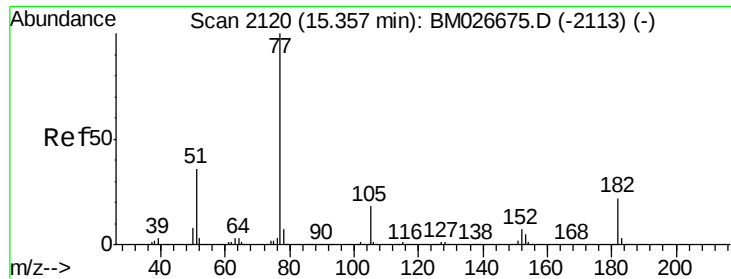
mohammad
7/10/2020 11:51:34 AM



#62
4-Nitroaniline
Concen: 4.638 ng
RT: 15.10 min Scan# 2076
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion: 138 Resp: 6286
Ion Ratio Lower Upper
138 100
92 53.1 41.5 81.5
108 93.1 84.8 124.8





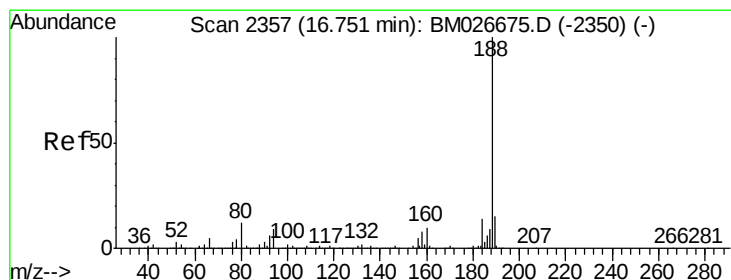
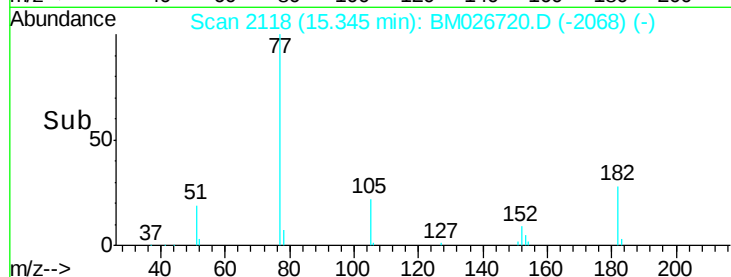
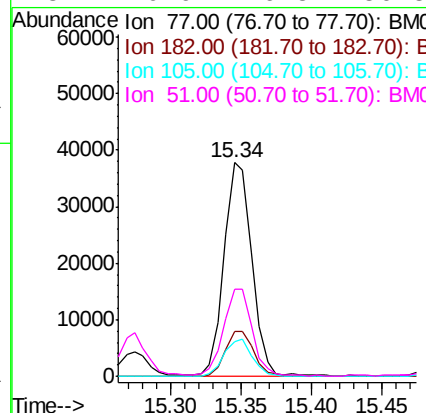
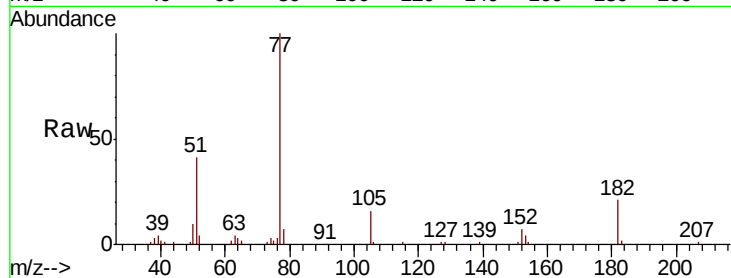
#63
Azobenzene
Concen: 2.962 ng
RT: 15.34 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	77	Resp:	51864
Ion	Ratio	Lower	Upper
77	100		
182	20.7	1.6	41.6
105	16.1	0.0	37.8
51	40.9	16.5	56.5

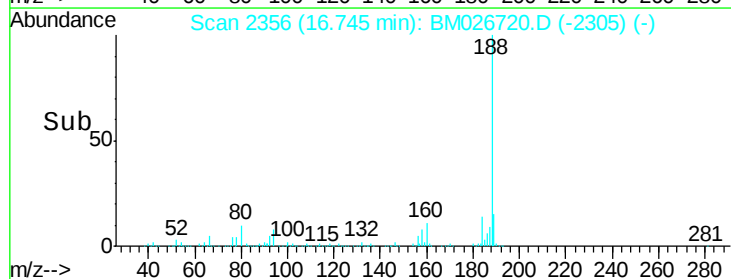
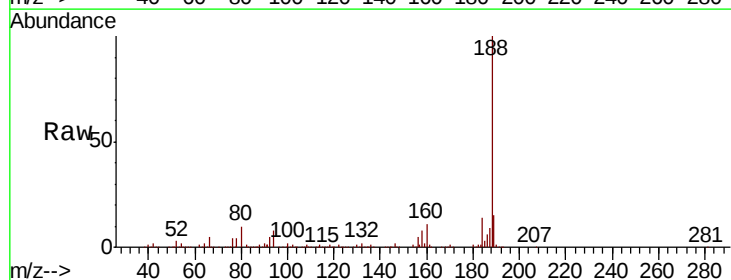
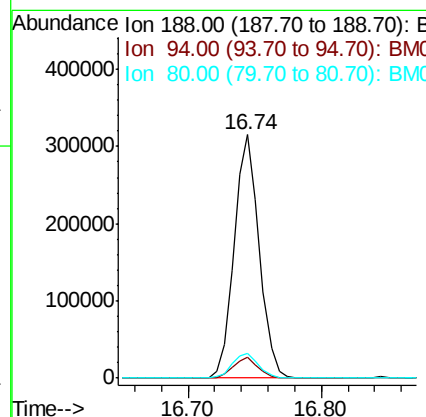
Manual Integrations
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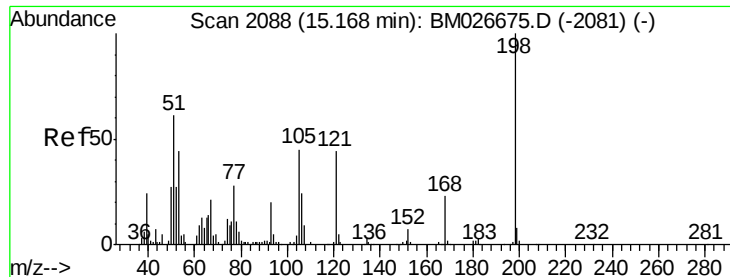
mohammad
7/10/2020 11:51:34 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion:	188	Resp:	413411
Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.0
80	10.1	9.3	13.9





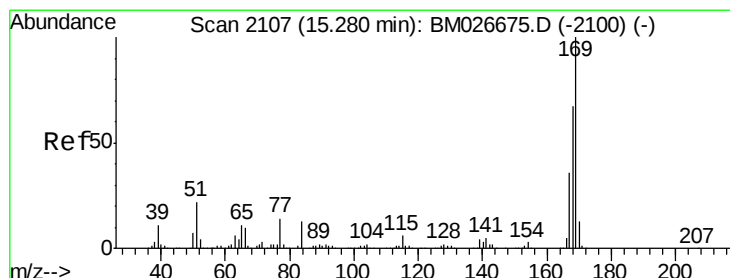
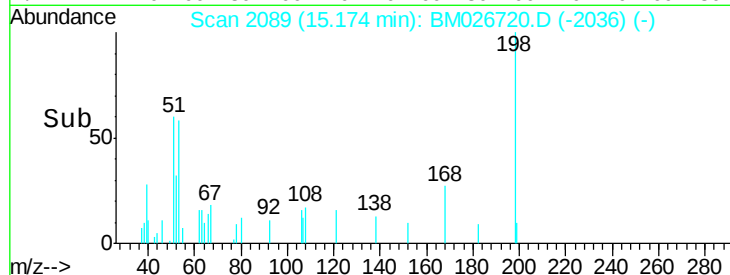
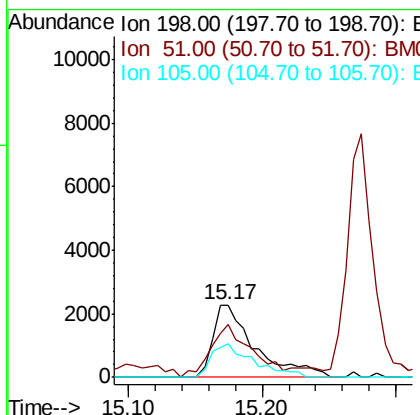
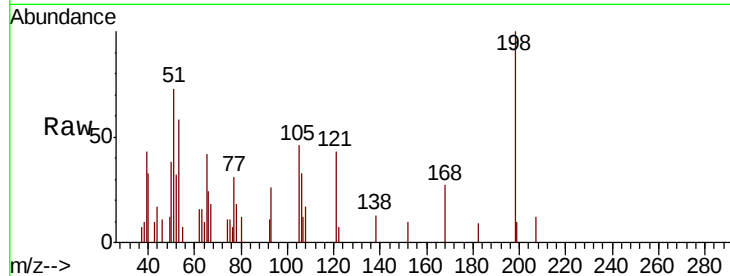
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.024 ng
 RT: 15.17 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	72.8	42.0	82.0
105	46.1	24.9	64.9

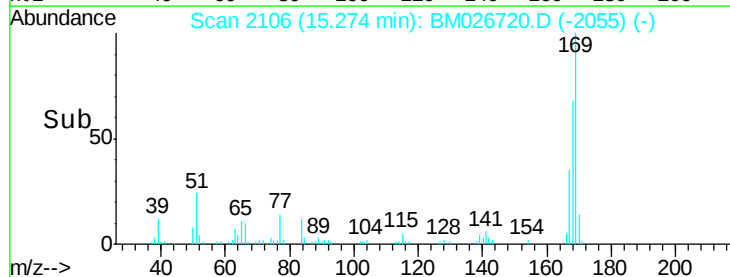
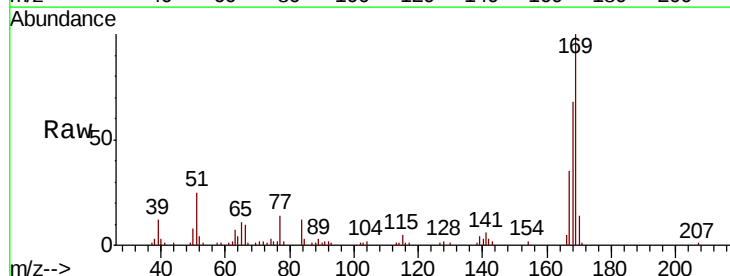
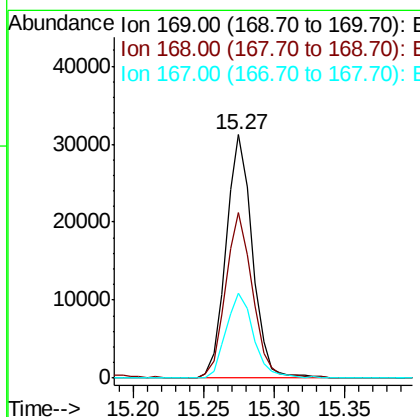
Manual Integrations
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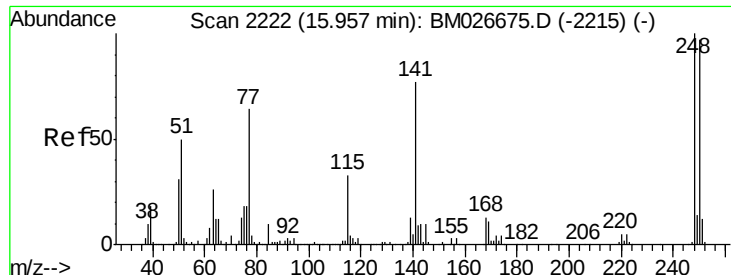
mohammad
 7/10/2020 11:51:34 AM



#66
 n-Nitrosodiphenylamine
 Concen: 3.074 ng
 RT: 15.27 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.8	80.8
167	34.7	28.6	43.0





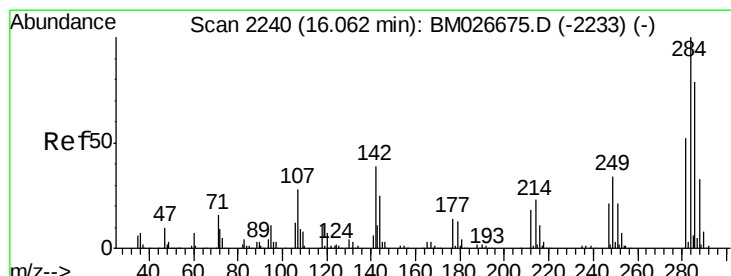
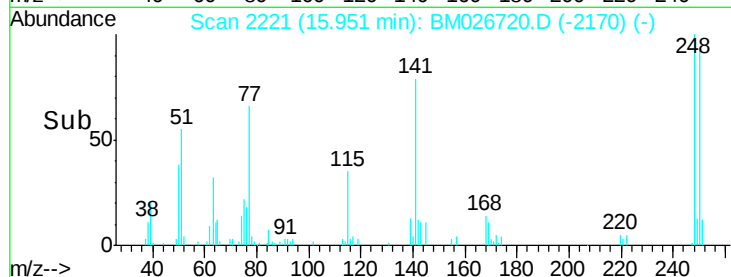
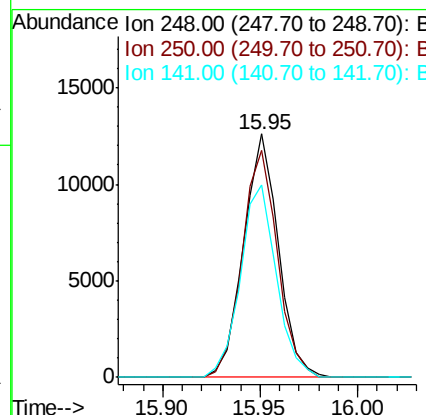
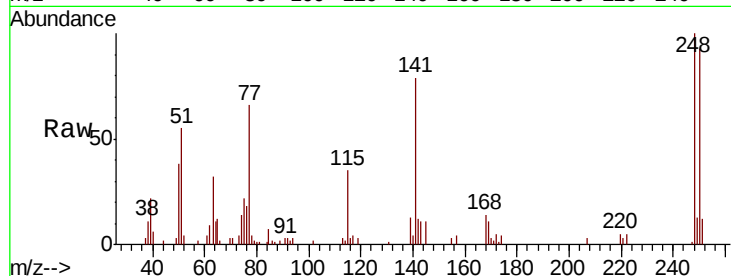
#67
 4-Bromophenyl-phenylether
 Concen: 3.020 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	93.0	77.4	116.2
141	78.8	61.9	92.9

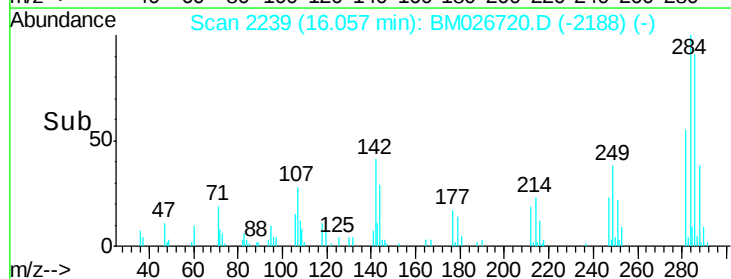
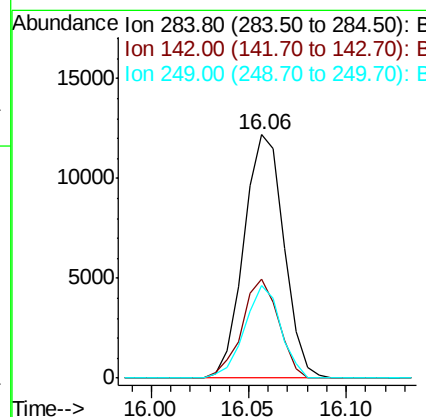
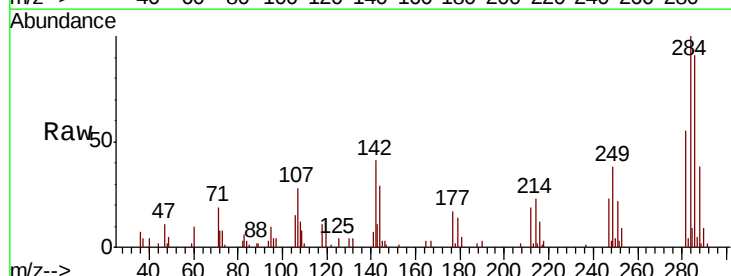
Manual Integrations
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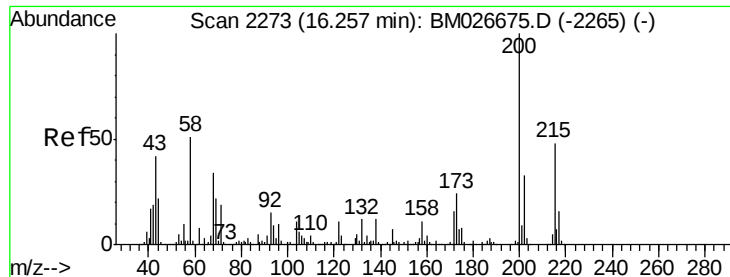
mohammad
 7/10/2020 11:51:34 AM



#68
 Hexachlorobenzene
 Concen: 3.191 ng
 RT: 16.06 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
284	100		
142	40.6	31.1	46.7
249	38.0	27.4	41.0





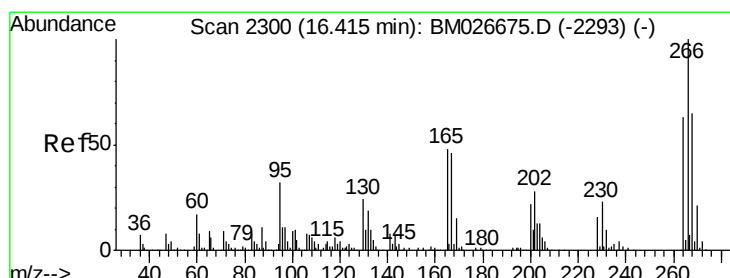
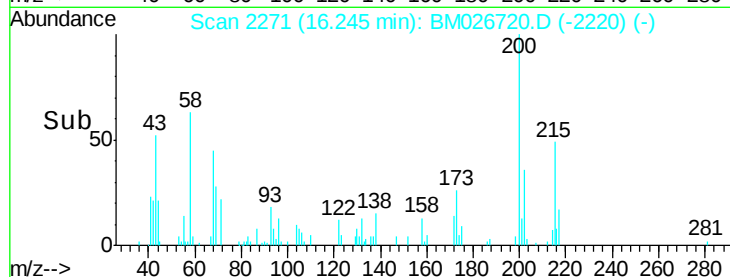
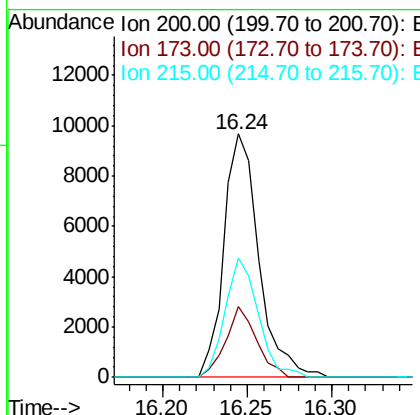
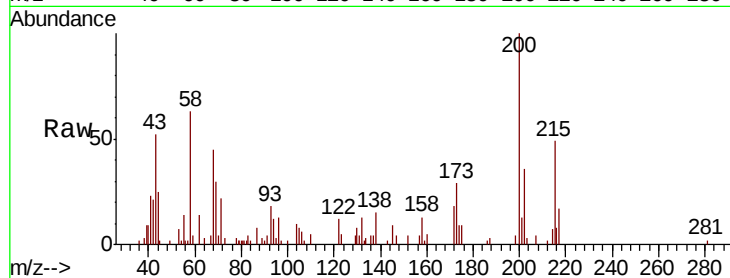
#69
Atrazine
Concen: 3.514 ng
RT: 16.24 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.0	4.5	44.5
215	49.0	28.4	68.4

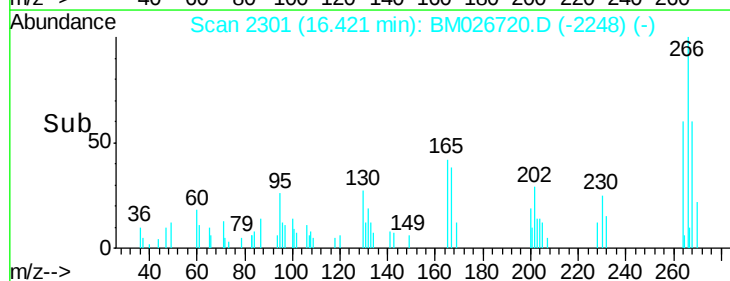
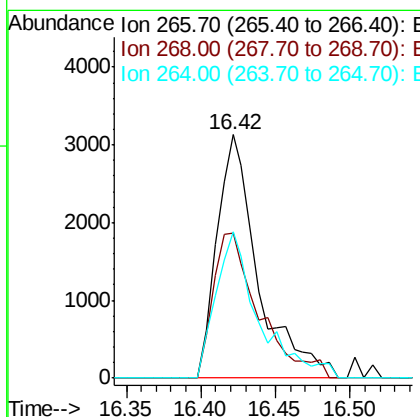
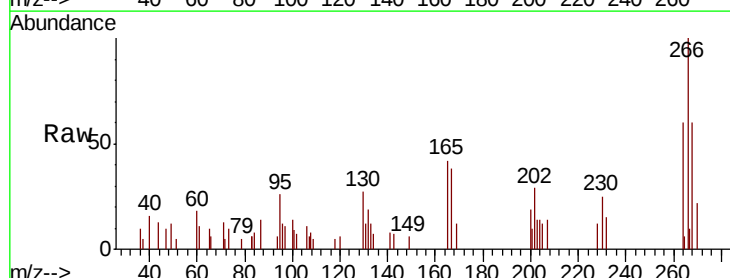
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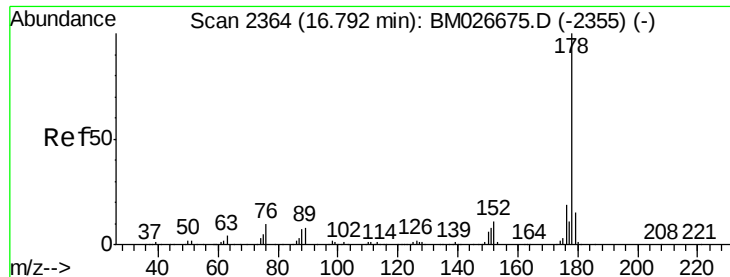
mohammad
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#70
Pentachlorophenol
Concen: 1.969 ng
RT: 16.42 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.8	51.8	77.6
264	66.4	50.1	75.1





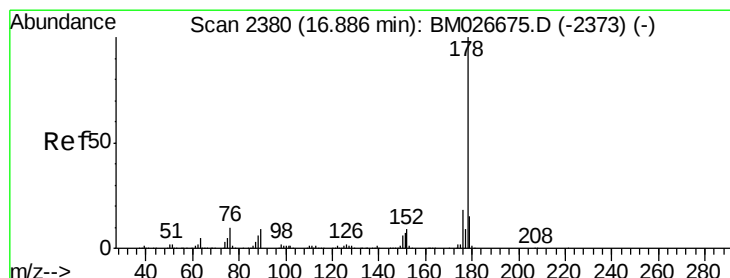
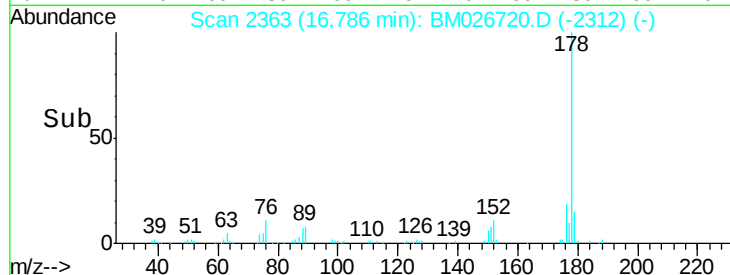
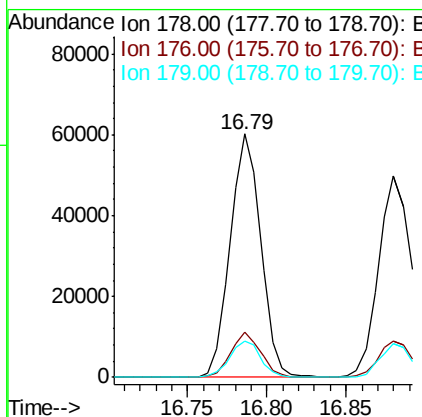
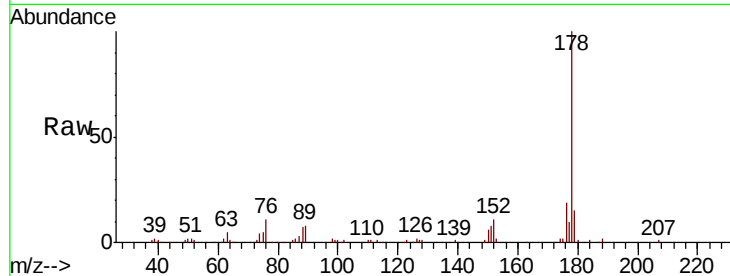
#71
Phenanthrene
Concen: 3.303 ng
RT: 16.79 min Scan# 2363
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	14.9	12.1	18.1

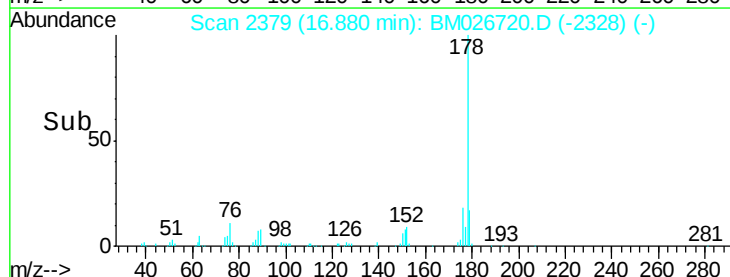
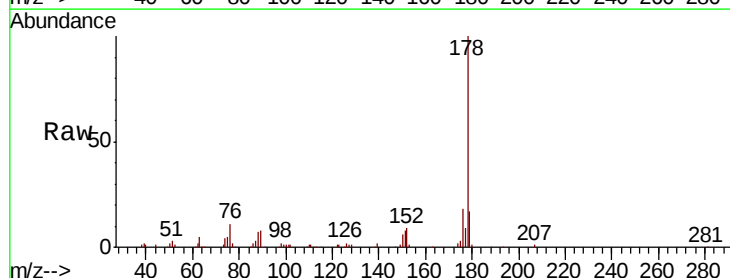
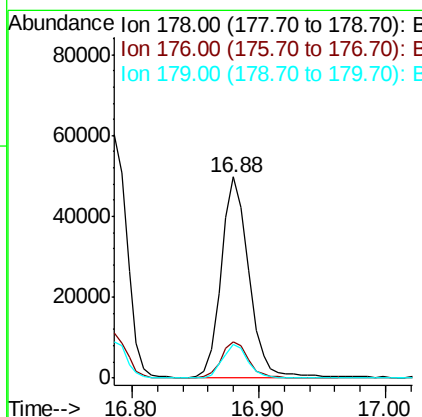
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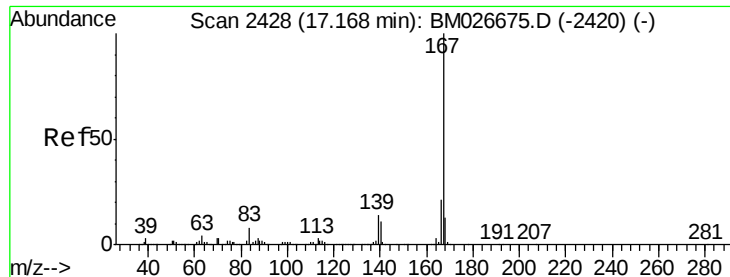
mohammad
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#72
Anthracene
Concen: 3.121 ng
RT: 16.88 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.7	22.1
179	16.9	12.1	18.1





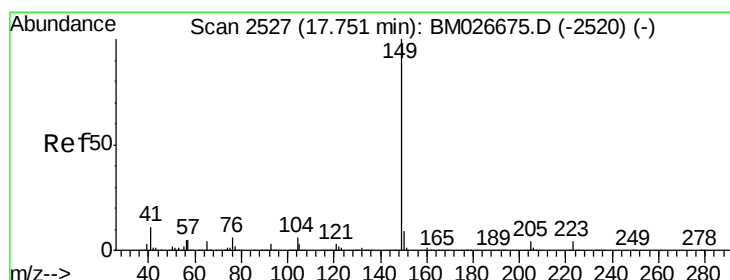
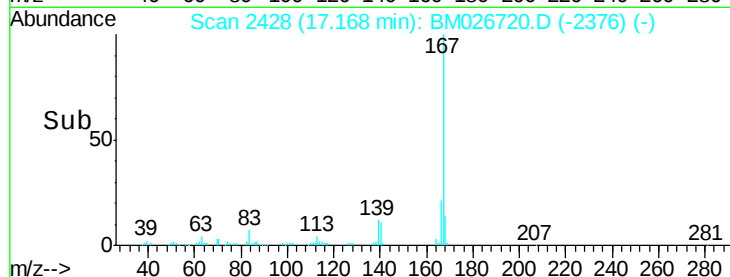
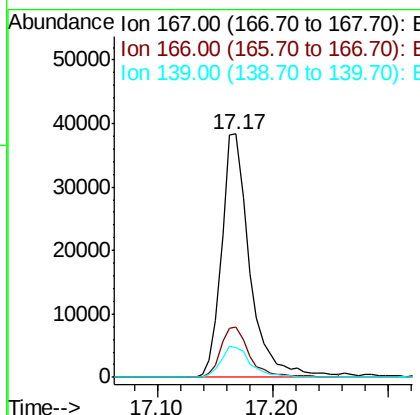
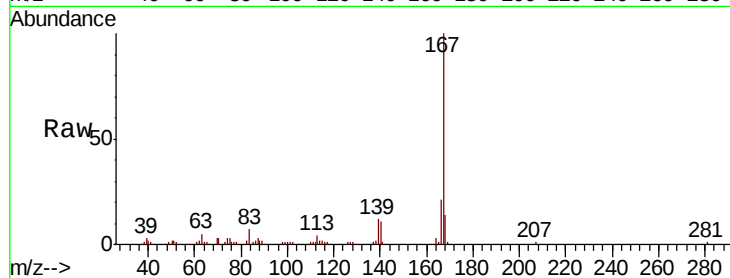
#73
 Carbazole
 Concen: 2.806 ng
 RT: 17.17 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.6	16.9	25.3
139	12.3	10.8	16.2

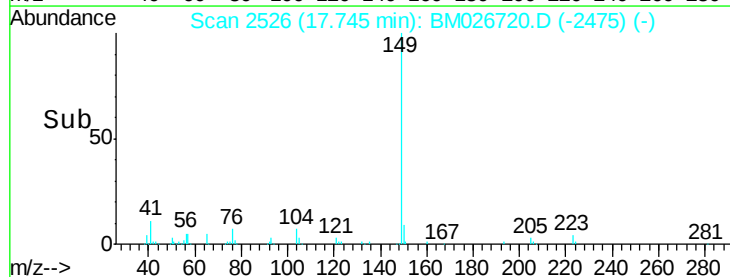
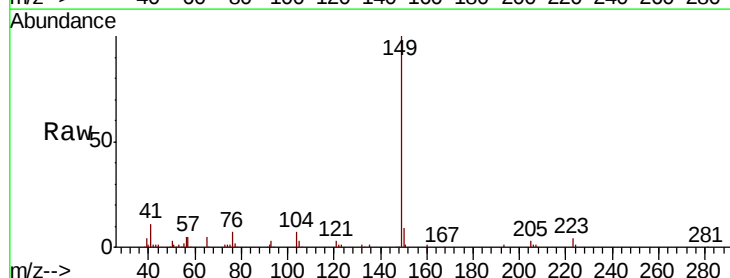
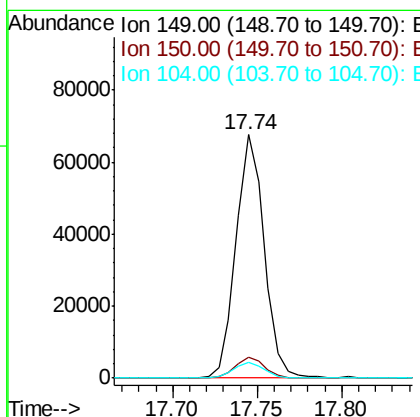
Manual Integrations
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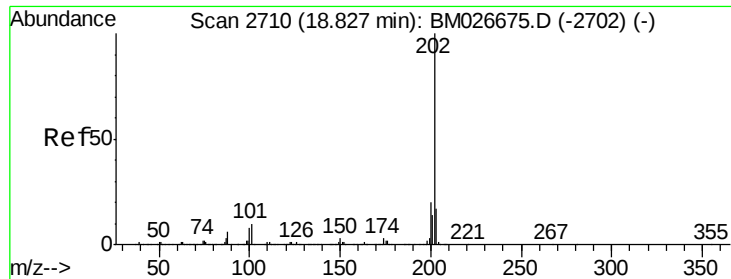
mohammad
 7/10/2020 11:51:34 AM



#74
 Di-n-butylphthalate
 Concen: 2.703 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	6.5	5.0	7.4





#75

Fluoranthene

Concen: 3.167 ng

RT: 18.82 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

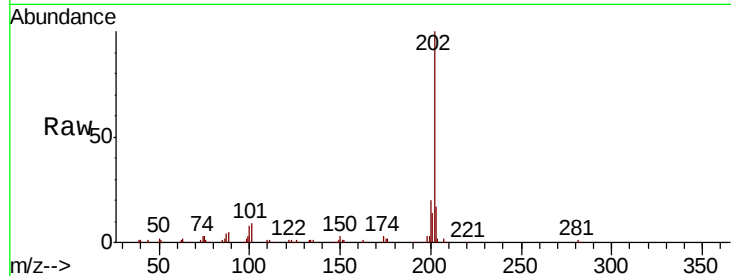
ClientSampleId :

MDL-SOIL-03-QT3-2020

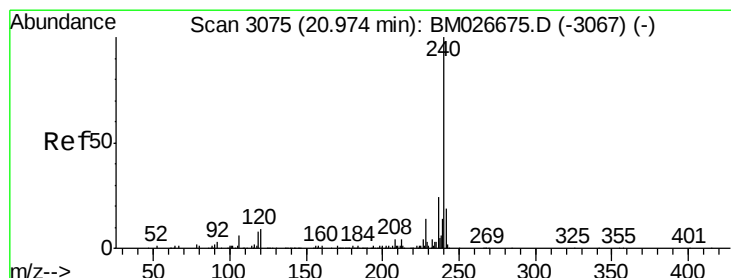
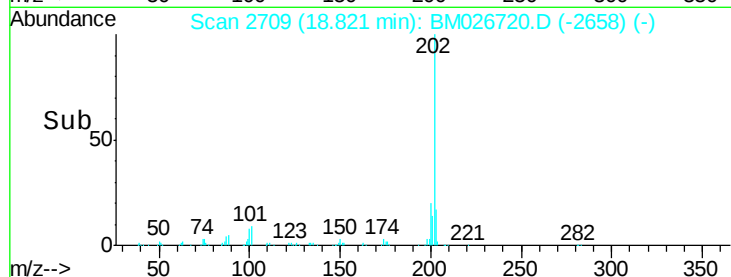
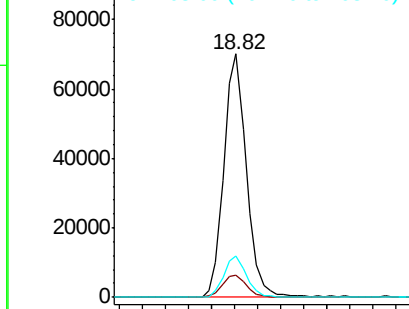
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.1	0.0	30.1
203	17.0	0.0	37.2

Manual Integrations
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mohammad
7/10/2020 11:51:34 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

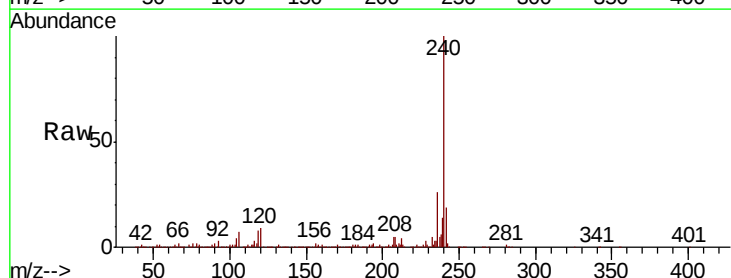
RT: 20.97 min Scan# 3074

Delta R.T. 0.00 min

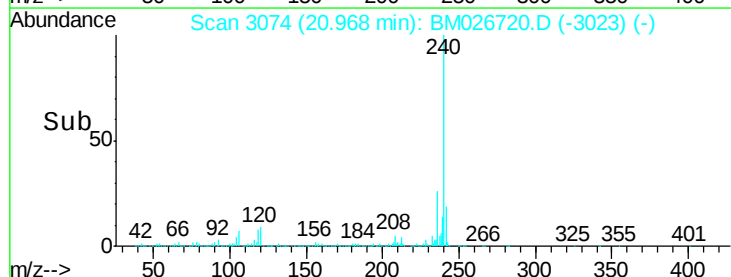
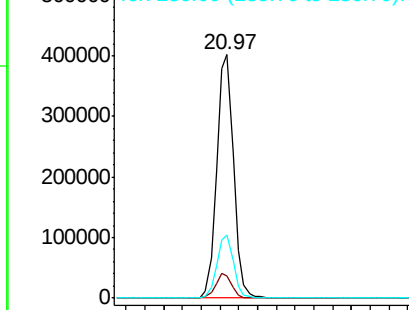
Lab File: BM026720.D

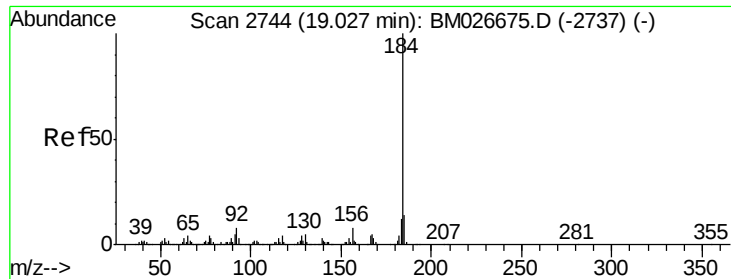
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.2	7.3	10.9
236	25.8	19.4	29.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.629 ng

RT: 19.03 min Scan# 2745

Delta R.T. 0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

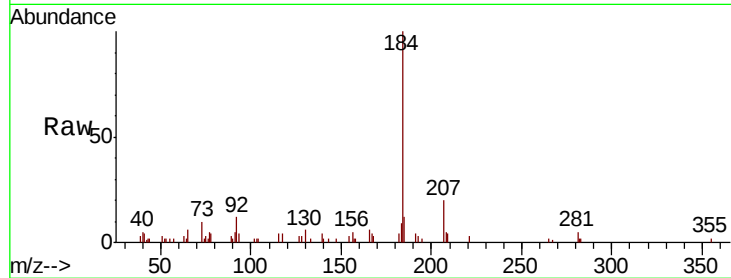
ClientSampleId :

MDL-SOIL-03-QT3-2020

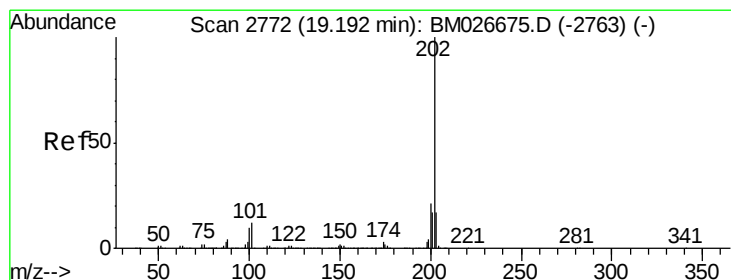
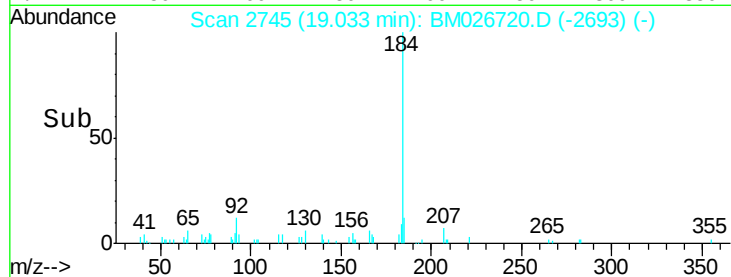
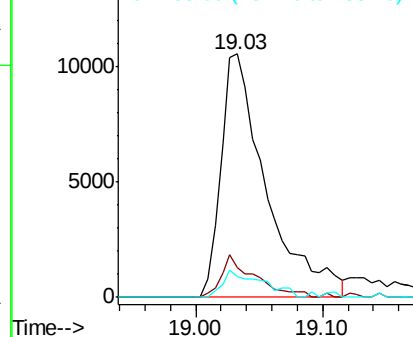
Tot Ion:	184	Resp:	26258
Ion Ratio	Lower	Upper	
184	100		
185	12.1	10.9	16.3
183	8.8	9.3	13.9#

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.153 ng

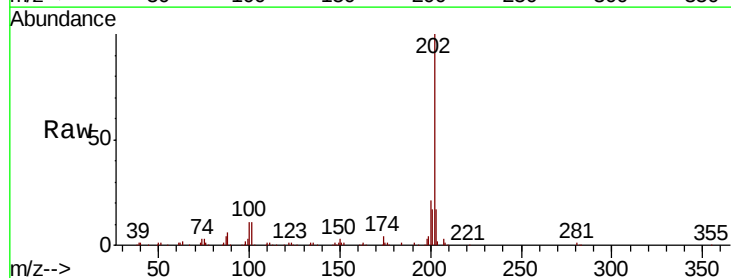
RT: 19.19 min Scan# 2771

Delta R.T. 0.00 min

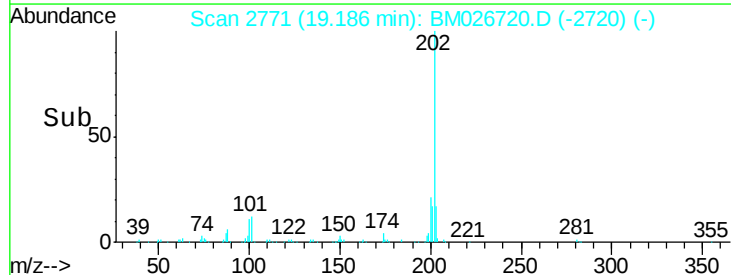
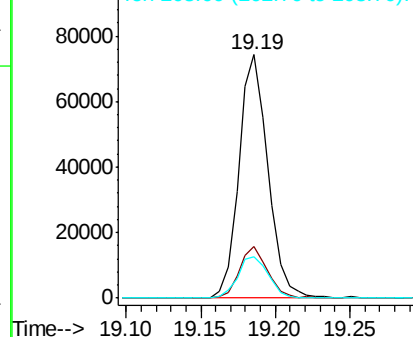
Lab File: BM026720.D

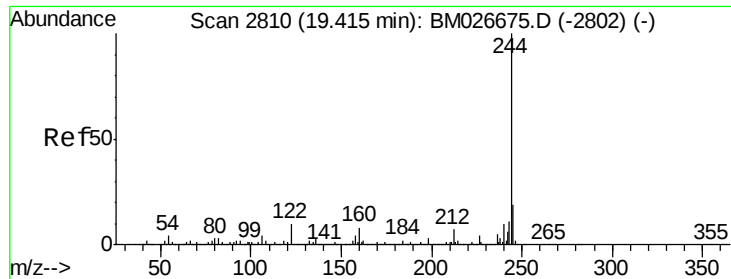
Acq: 09 Jul 2020 15:47

Tgt Ion:	202	Resp:	100620
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	24.8
203	16.9	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





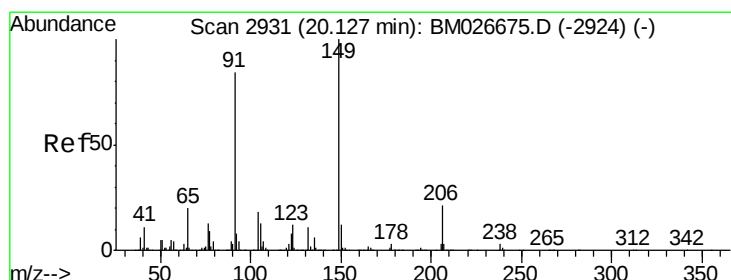
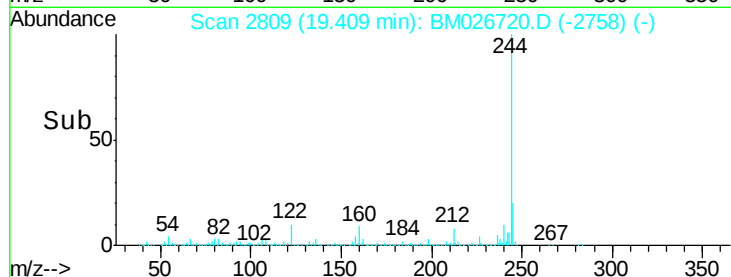
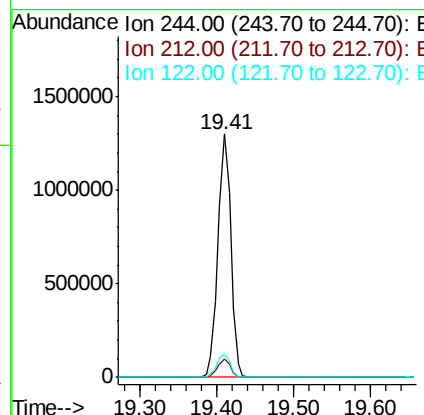
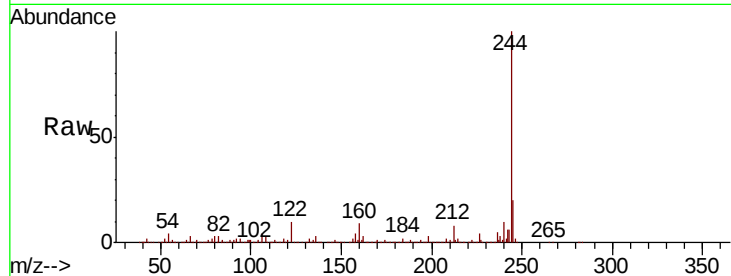
#79
 Terphenyl-d14
 Concen: 57.671 ng
 RT: 19.41 min Scan# 2809
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:244 Resp: 1484526
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 9.7 8.2 12.4

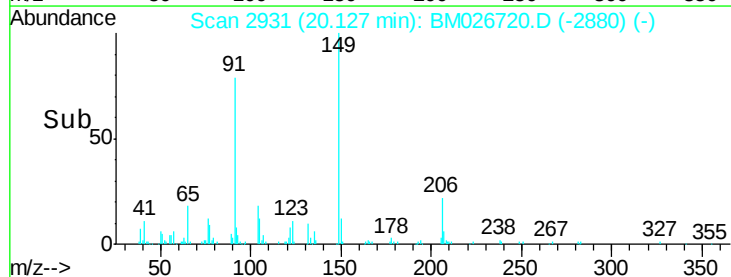
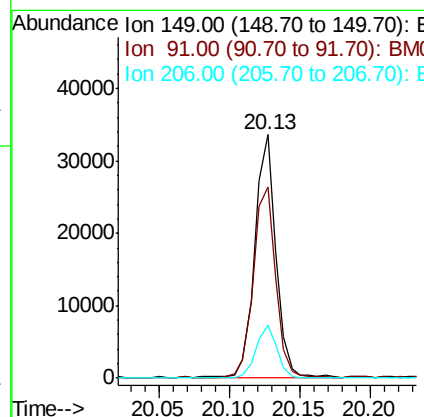
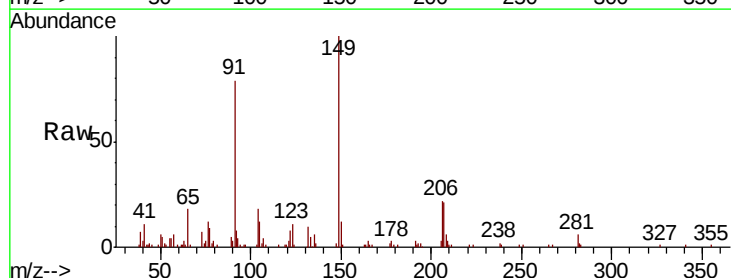
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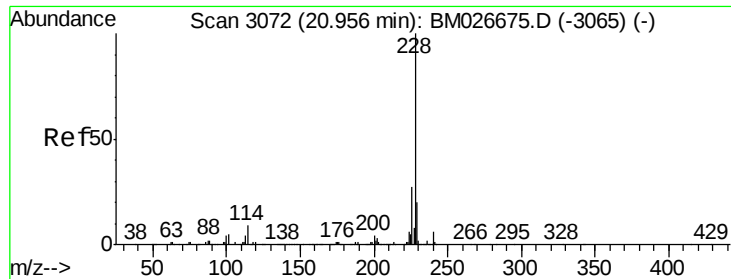
mohammad
 7/10/2020 11:51:34 AM



#80
 Butylbenzylphthalate
 Concen: 2.492 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Tgt Ion:149 Resp: 35690
 Ion Ratio Lower Upper
 149 100
 91 78.7 67.6 101.4
 206 21.9 16.7 25.1





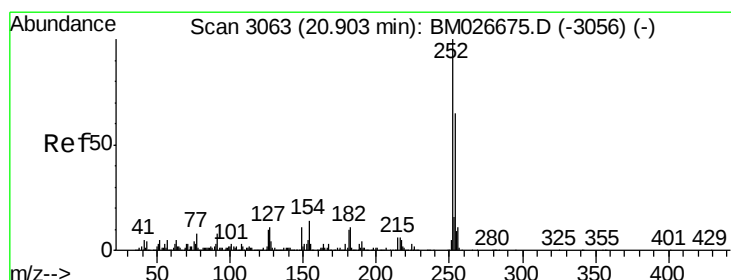
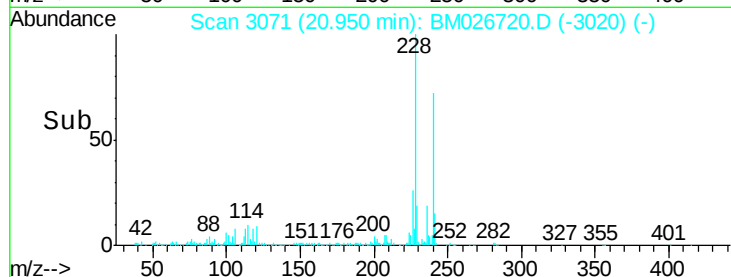
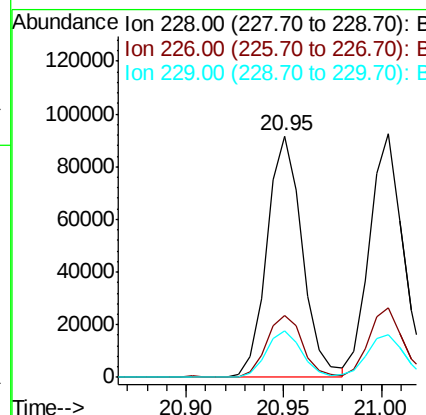
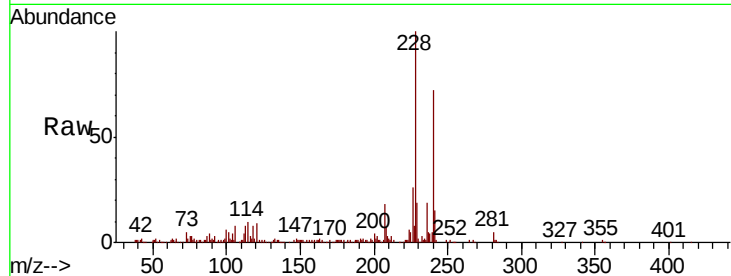
#81
Benzo(a)anthracene
Concen: 3.378 ng
RT: 20.95 min Scan# 3071
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.4	32.2
229	19.3	15.6	23.4

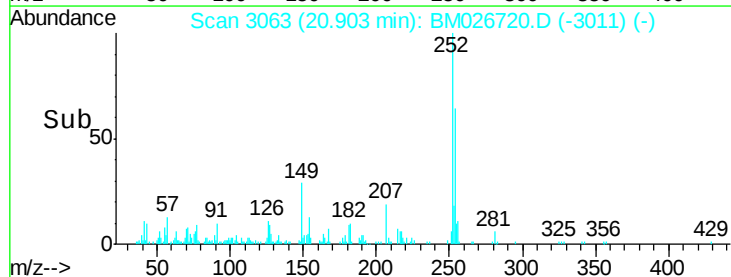
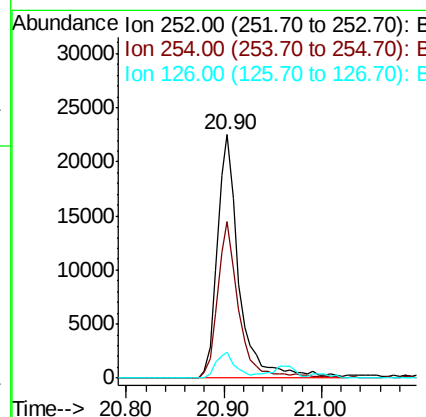
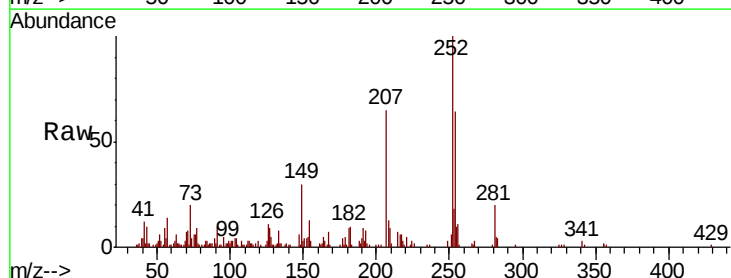
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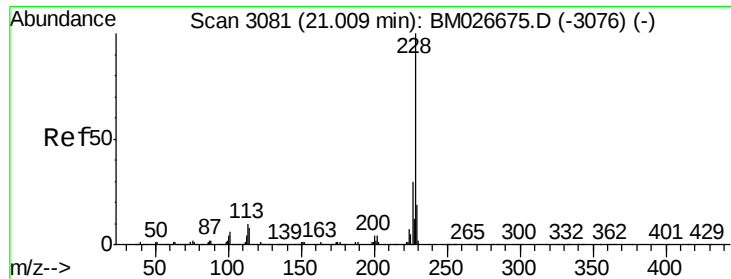
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 3.216 ng
RT: 20.90 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.9	77.9
126	10.9	8.2	12.2





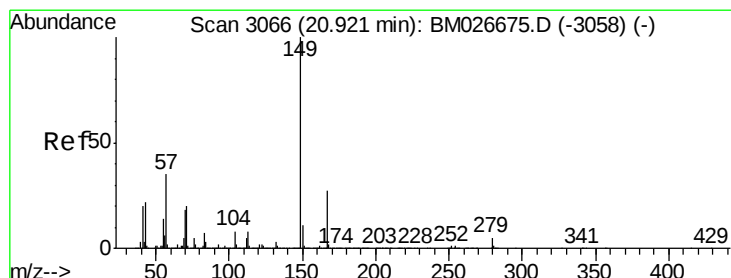
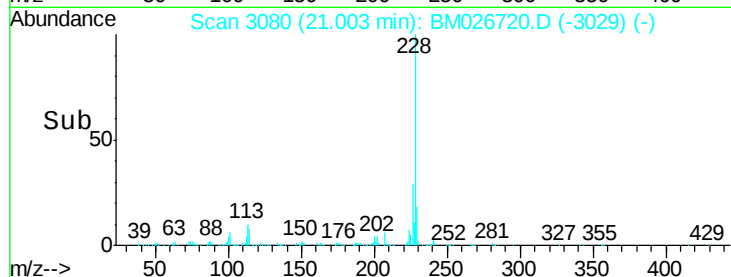
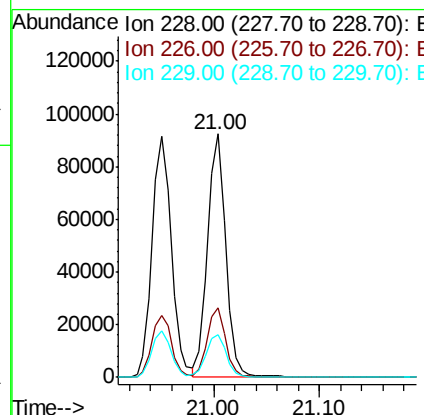
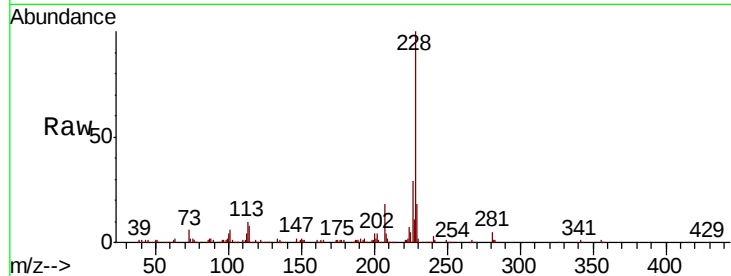
#83
Chrysene
Concen: 3.380 ng
RT: 21.00 min Scan# 3080
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.7	35.5
229	17.6	15.4	23.0

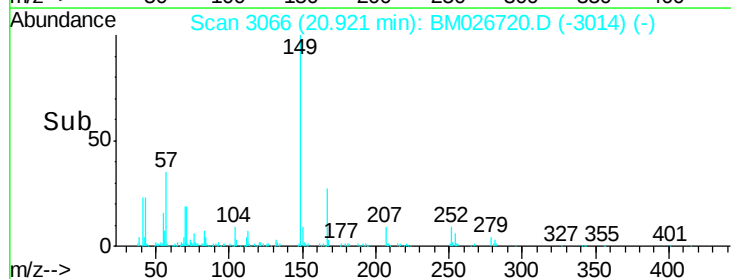
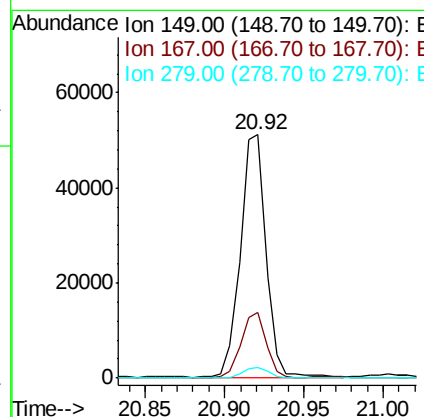
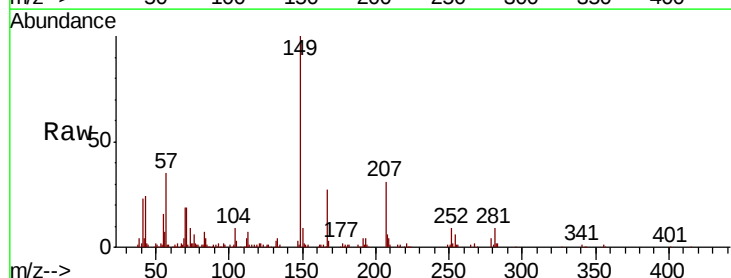
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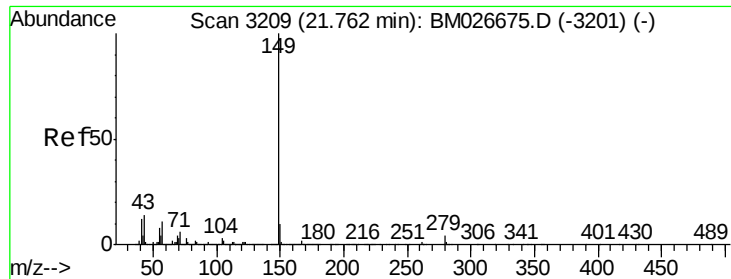
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.494 ng
RT: 20.92 min Scan# 3066
Delta R.T. 0.01 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.9	32.9
279	4.2	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 2.467 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

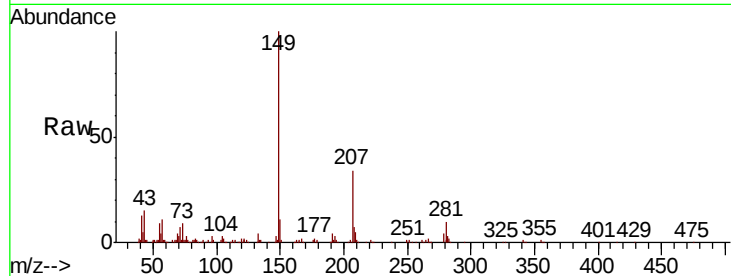
ClientSampleId :

MDL-SOIL-03-QT3-2020

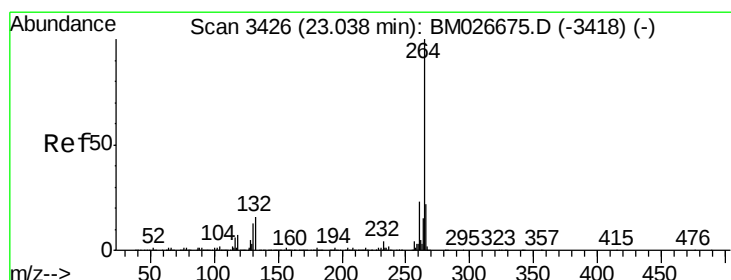
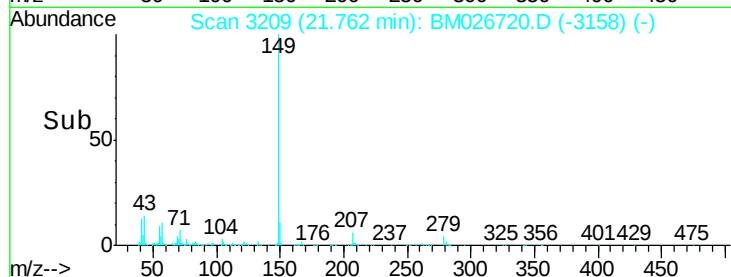
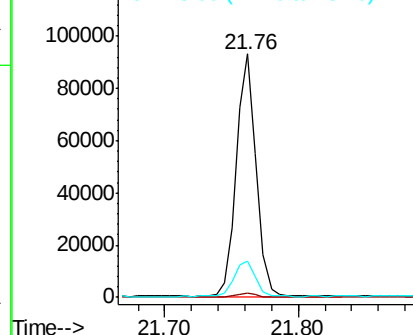
Tot Ion:	149	Resp:	96756
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	16.0	11.2	16.8

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



#86

Perylene-d12

Concen: 20.000 ng

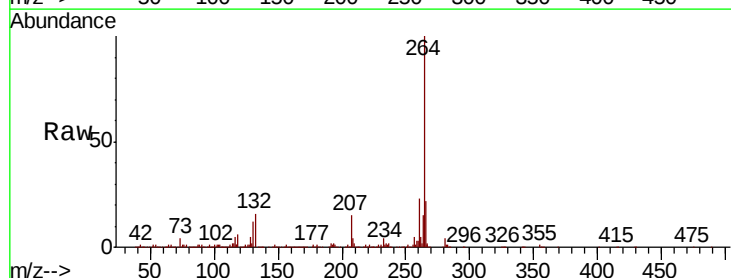
RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

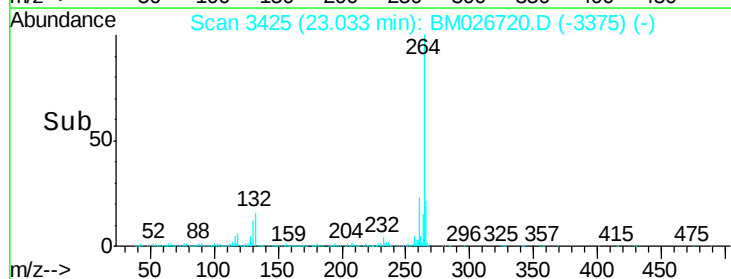
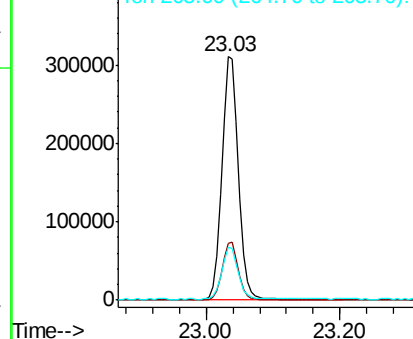
Lab File: BM026720.D

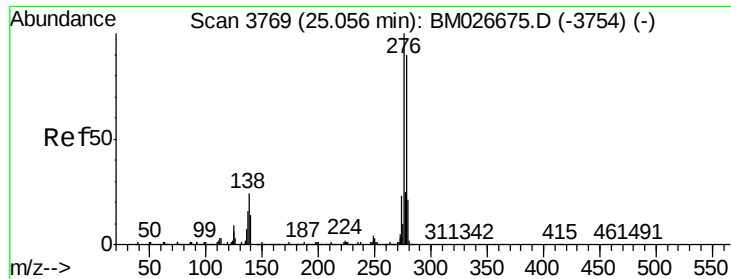
Acq: 09 Jul 2020 15:47

Tgt Ion:	264	Resp:	542926
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.2	27.2
265	21.9	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





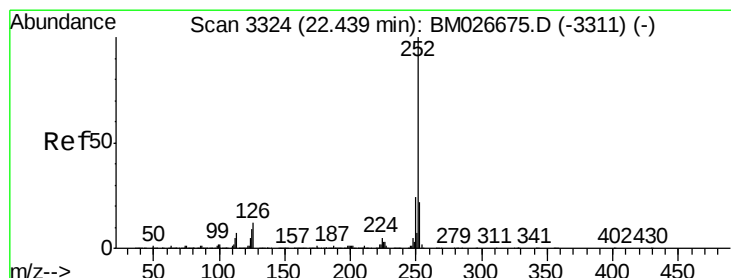
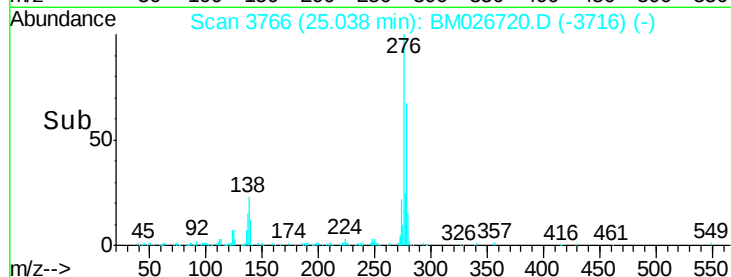
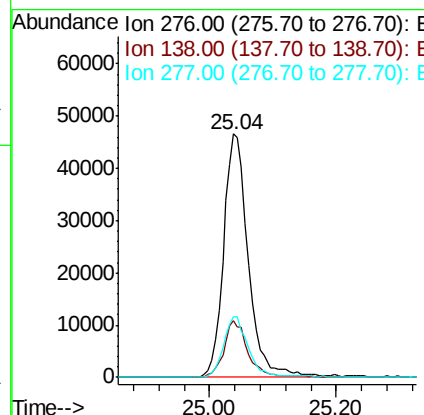
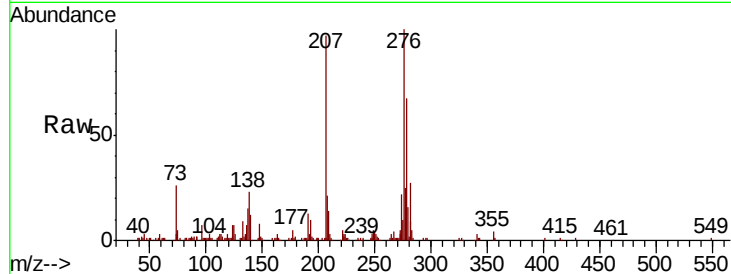
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.257 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.01 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	22.4	18.4	27.6		
277	24.4	20.0	30.0		

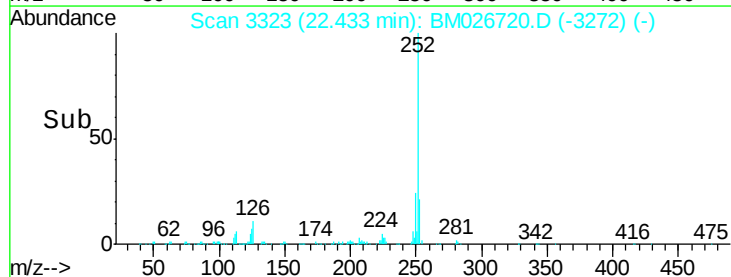
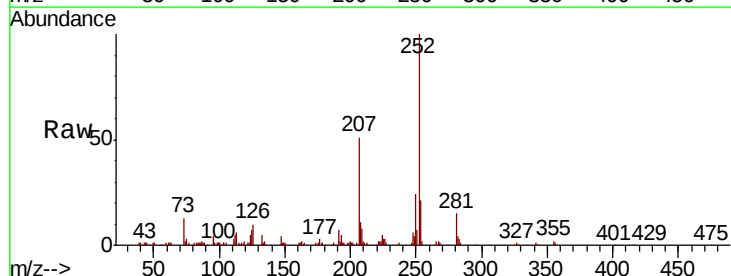
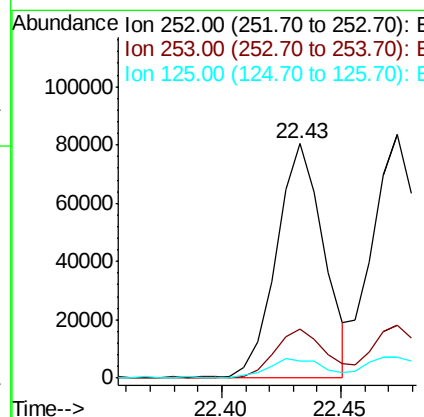
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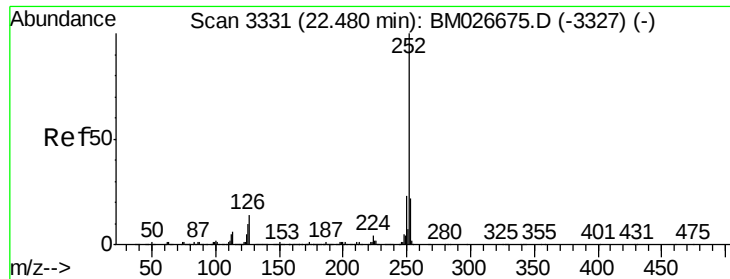
mohammad
 7/10/2020 11:51:34 AM



#88
 Benzo(b)fluoranthene
 Concen: 3.100 ng m
 RT: 22.43 min Scan# 3323
 Delta R.T. 0.00 min
 Lab File: BM026720.D
 Acq: 09 Jul 2020 15:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	21.0	17.5	26.3		
125	7.4	7.5	11.3#		





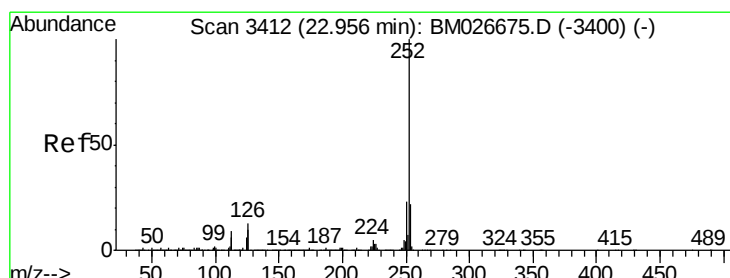
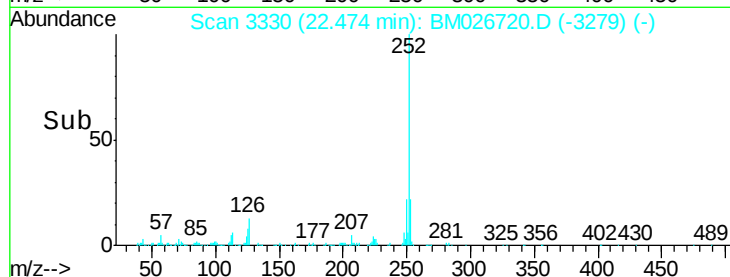
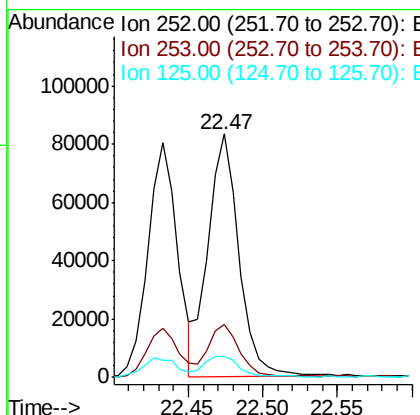
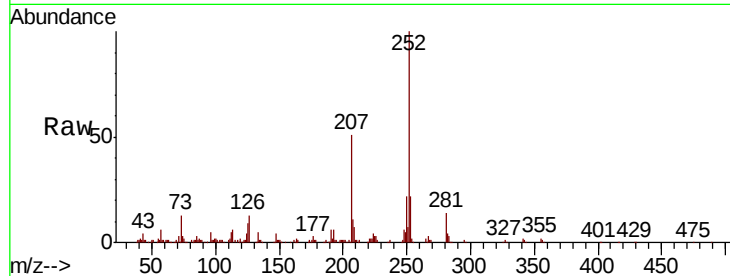
#89
Benzo(k)fluoranthene
Concen: 3.405 ng
RT: 22.47 min Scan# 3330
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	8.6	7.8	11.8

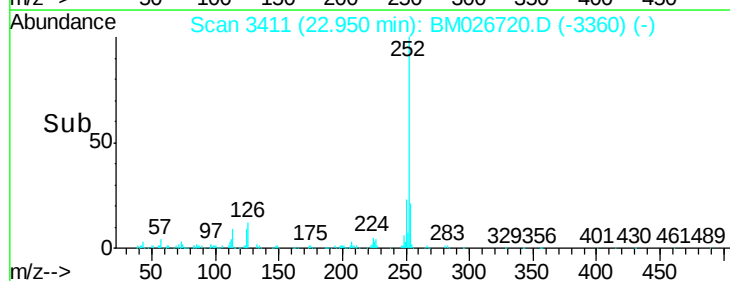
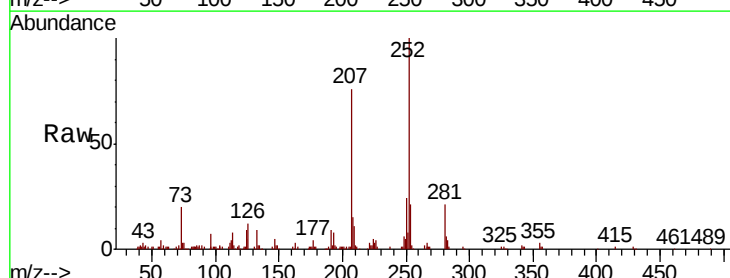
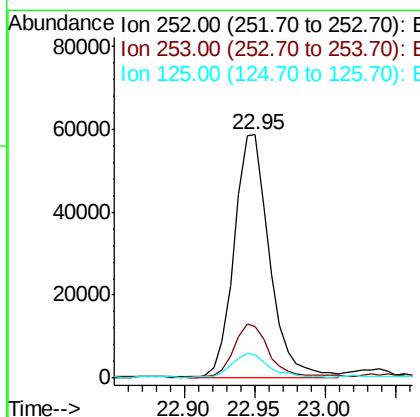
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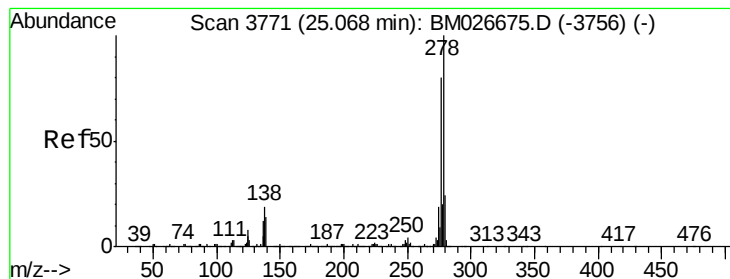
mohammad
7/10/2020 11:51:34 AM



#90
Benzo(a)pyrene
Concen: 3.071 ng
RT: 22.95 min Scan# 3411
Delta R.T. 0.00 min
Lab File: BM026720.D
Acq: 09 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.2
125	9.4	8.2	12.4





#91

Dibenzo(a,h)anthracene

Concen: 3.299 ng

RT: 25.05 min Scan# 3768

Delta R.T. -0.01 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Instrument :

BNA_M

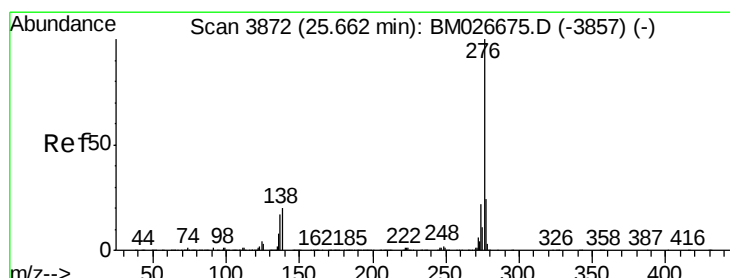
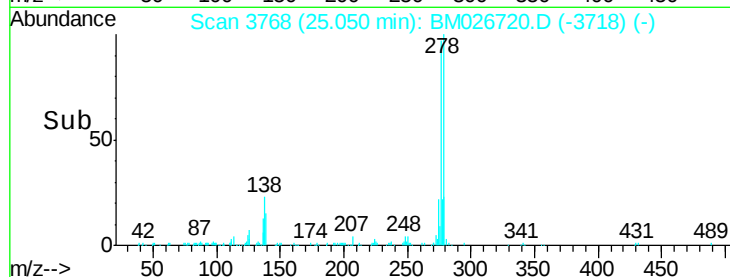
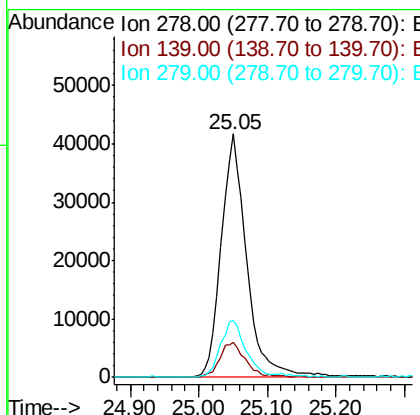
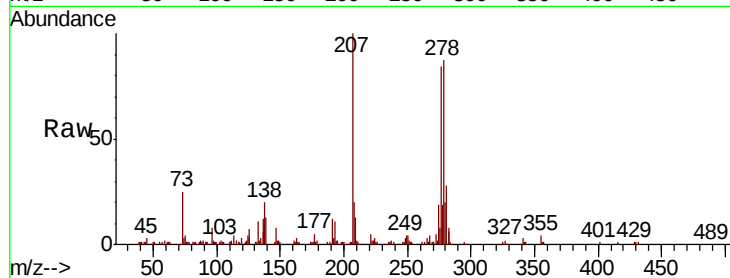
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	278	Resp:	107641
Ion Ratio	Lower	Upper	
278	100		
139	14.6	11.2	16.8
279	23.1	19.0	28.4

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#92

Benzo(g,h,i)perylene

Concen: 3.509 ng

RT: 25.65 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BM026720.D

Acq: 09 Jul 2020 15:47

Tgt Ion:	276	Resp:	105497
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.1	28.7
138	18.5	15.8	23.8

