

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070920\
 Data File : BM026701.D
 Acq On : 08 Jul 2020 11:18
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Manual Integrations
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 7/9/2020 10:59:40 AM

Quant Time: Jul 08 14:48:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 12:03:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	53159	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	240661	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	172201	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	402271	20.00	ng	0.00
76) Chrysene-d12	20.97	240	496756	20.00	ng	0.00
86) Perylene-d12	23.04	264	537081	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	329906	104.02	ng	0.00
7) Phenol-d6	6.53	99	501990	99.34	ng	0.00
23) Nitrobenzene-d5	8.47	82	414835	73.54	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	262581	104.68	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	940415	72.61	ng	0.00
79) Terphenyl-d14	19.41	244	1435856	56.88	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.96	88	7886	5.175	ng	# 90
3) Pyridine	3.38	79	15194m	3.486	ng	
4) n-Nitrosodimethylamine	3.29	42	11377	4.361	ng	# 76
6) Aniline	6.67	93	26999	4.353	ng	99
8) 2-Chlorophenol	6.90	128	15652	4.143	ng	95
9) Benzaldehyde	6.50	77	17834	6.359	ng	90
10) Phenol	6.56	94	20919	4.189	ng	79
11) bis(2-Chloroethyl)ether	6.78	93	16999	4.071	ng	98
12) 1,3-Dichlorobenzene	7.22	146	16539	4.027	ng	88
13) 1,4-Dichlorobenzene	7.36	146	17680	4.230	ng	95
14) 1,2-Dichlorobenzene	7.67	146	17864	4.290	ng	96
15) Benzyl Alcohol	7.59	79	14368	3.323	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.86	45	36964	4.289	ng	95
17) 2-Methylphenol	7.79	107	14325	3.774	ng	94
18) Hexachloroethane	8.37	117	6662	4.013	ng	98
19) n-Nitroso-di-n-propylamine	8.14	70	16136	3.838	ng	99
20) 3+4-Methylphenols	8.12	107	17942	3.438	ng	97
22) Acetophenone	8.15	105	29712	4.345	ng	# 96
24) Nitrobenzene	8.52	77	27100	4.567	ng	99
25) Isophorone	9.05	82	41927	3.876	ng	97
26) 2-Nitrophenol	9.23	139	7275	3.322	ng	94
27) 2,4-Dimethylphenol	9.30	122	15672	4.400	ng	100
28) bis(2-Chloroethoxy)methane	9.54	93	24152	4.042	ng	99
29) 2,4-Dichlorophenol	9.77	162	13456	3.431	ng	88
30) 1,2,4-Trichlorobenzene	9.96	180	18588	4.248	ng	95
31) Naphthalene	10.13	128	56174	4.197	ng	98
32) Benzoic acid	9.42	122	2519m	0.932	ng	
33) 4-Chloroaniline	10.27	127	22280	3.805	ng	96
34) Hexachlorobutadiene	10.42	225	12493	4.311	ng	88
35) Caprolactam	11.05	113	4210	3.030	ng	93
36) 4-Chloro-3-methylphenol	11.41	107	17796	3.590	ng	97
37) 2-Methylnaphthalene	11.76	142	42388	4.275	ng	98
38) 1-Methylnaphthalene	11.99	142	40066	4.218	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	24046	4.320	ng	96

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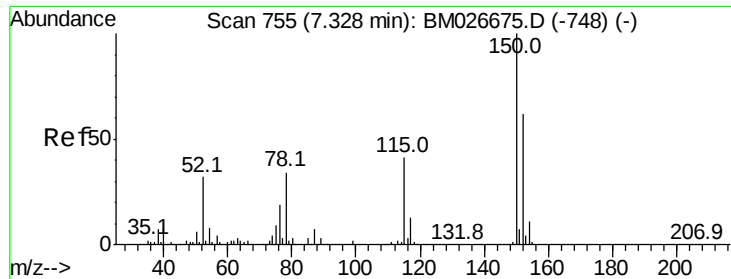
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 QLast Update : Wed Jul 08 12:03:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	5772	2.173	ng	100
43) 2,4,6-Trichlorophenol	12.41	196	11464	3.144	ng	96
44) 2,4,5-Trichlorophenol	12.49	196	14894	3.476	ng	92
46) 1,1'-Biphenyl	12.81	154	60433	4.443	ng	98
47) 2-Chloronaphthalene	12.84	162	43695	3.977	ng	100
48) 2-Nitroaniline	13.07	65	14050	3.107	ng	97
49) Acenaphthylene	13.70	152	68867	3.920	ng	99
50) Dimethylphthalate	13.46	163	59992	4.073	ng	99
51) 2,6-Dinitrotoluene	13.58	165	11486	3.642	ng	89
52) Acenaphthene	14.05	154	42263	3.959	ng	97
53) 3-Nitroaniline	13.93	138	8985	2.738	ng	88
54) 2,4-Dinitrophenol	14.16	184	2354m	1.275	ng	
55) Dibenzofuran	14.39	168	70990	4.056	ng	98
56) 4-Nitrophenol	14.28	139	4567	1.774	ng	100
57) 2,4-Dinitrotoluene	14.39	165	14227	3.125	ng	# 68
58) Fluorene	15.05	166	57413	3.962	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.64	232	13683	3.656	ng	97
60) Diethylphthalate	14.85	149	60824	3.905	ng	97
61) 4-Chlorophenyl-phenylether	15.06	204	29975	3.818	ng	95
62) 4-Nitroaniline	15.10	138	8867m	2.589	ng	
63) Azobenzene	15.35	77	65289	3.817	ng	96
65) 4,6-Dinitro-2-methylphenol	15.17	198	5702	2.085	ng	# 72
66) n-Nitrosodiphenylamine	15.27	169	48812	3.818	ng	99
67) 4-Bromophenyl-phenylether	15.95	248	18452	3.685	ng	97
68) Hexachlorobenzene	16.06	284	21601	4.099	ng	94
69) Atrazine	16.24	200	17003	4.423	ng	96
70) Pentachlorophenol	16.42	266	7639	2.562	ng	93
71) Phenanthrene	16.79	178	97568	4.108	ng	98
72) Anthracene	16.88	178	92531	3.914	ng	99
73) Carbazole	17.17	167	79160	3.512	ng	98
74) Di-n-butylphthalate	17.74	149	96396	3.401	ng	99
75) Fluoranthene	18.82	202	117172	4.006	ng	99
77) Benzidine	19.03	184	33429	3.413	ng	100
78) Pyrene	19.19	202	121585	3.885	ng	100
80) Butylbenzylphthalate	20.13	149	42499	3.026	ng	99
81) Benzo(a)anthracene	20.96	228	136149	4.080	ng	97
82) 3,3'-Dichlorobenzidine	20.90	252	42116	3.977	ng	100
83) Chrysene	21.00	228	131416	4.046	ng	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	69433	3.086	ng	98
85) Di-n-octyl phthalate	21.76	149	118980	3.094	ng	# 93
87) Indeno(1,2,3-cd)pyrene	25.05	276	161443	4.222	ng	99
88) Benzo(b)fluoranthene	22.44	252	137342	3.881	ng	98
89) Benzo(k)fluoranthene	22.48	252	139076	4.007	ng	98
90) Benzo(a)pyrene	22.95	252	126973	3.865	ng	98
91) Dibenzo(a,h)anthracene	25.06	278	134628	4.171	ng	98
92) Benzo(g,h,i)perylene	25.66	276	132938	4.470	ng	97

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



#1

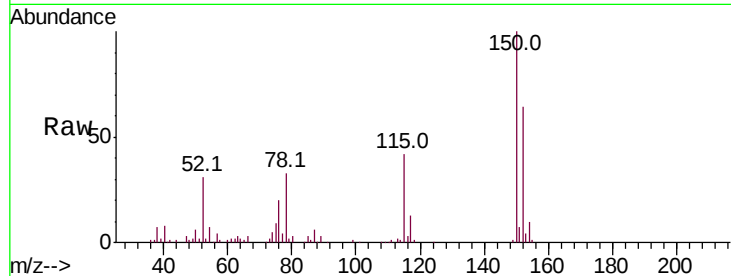
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	128.1	192.1
115	65.9	52.2	78.4

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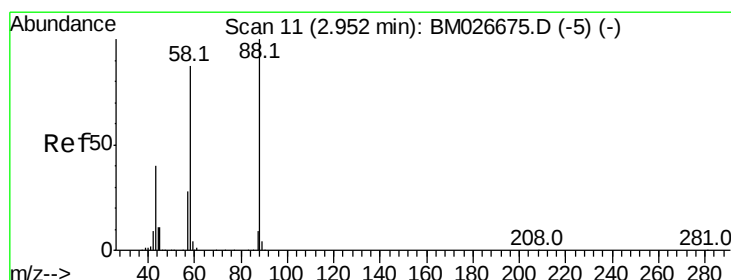
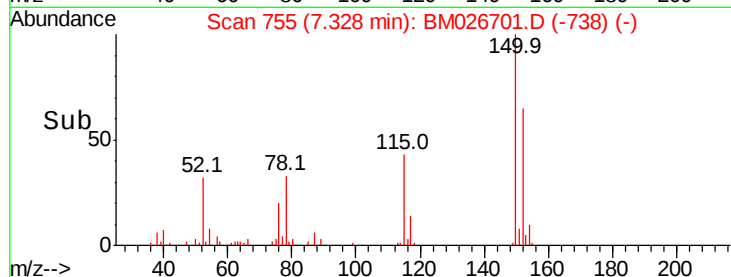
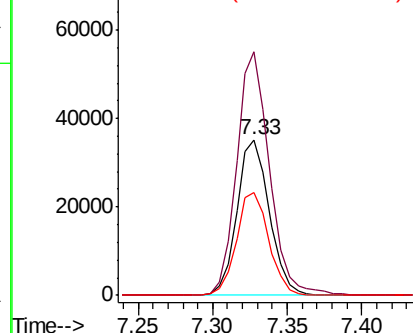


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

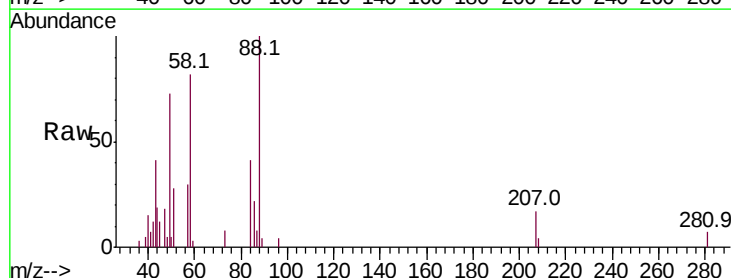
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 5.175 ng
RT: 2.96 min Scan# 12
Delta R.T. 0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.3	73.2	109.8
43	56.8	34.3	51.5#

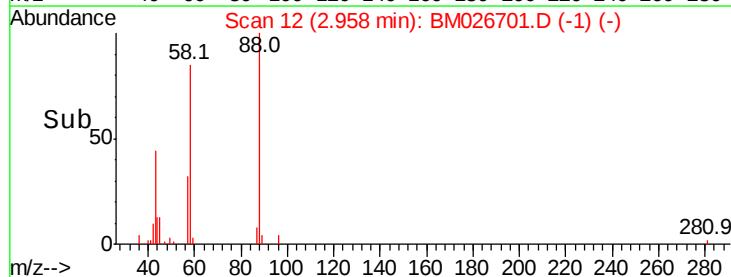
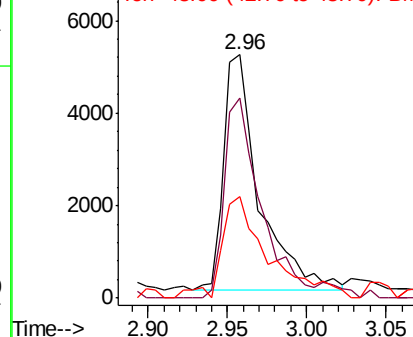


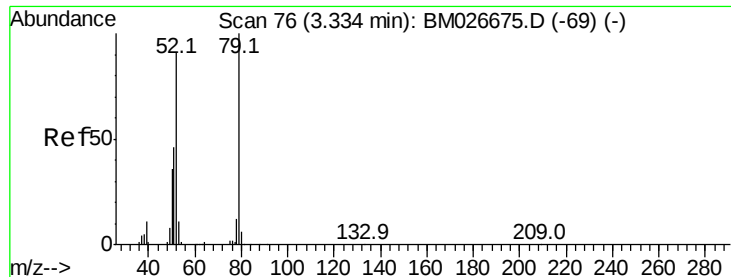
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





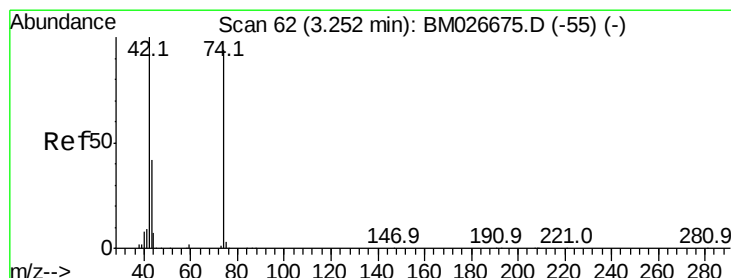
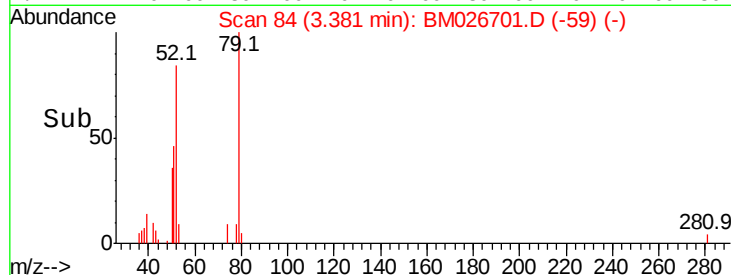
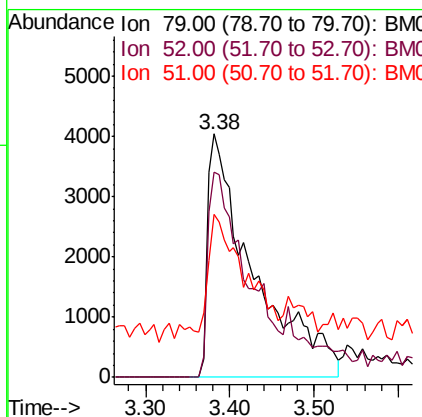
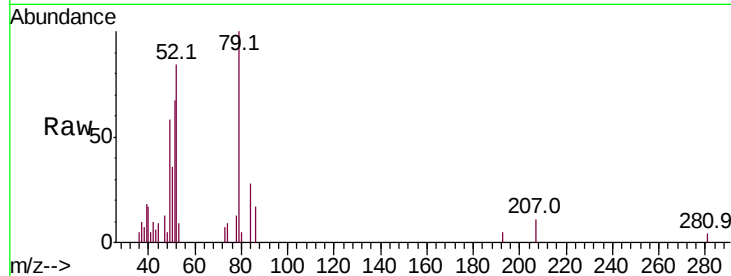
#3
 Pvridine
 Concen: 3.486 ng m
 RT: 3.38 min Scan# 84
 Delta R.T. 0.05 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.1	72.9	109.3
51	67.1	37.6	56.4

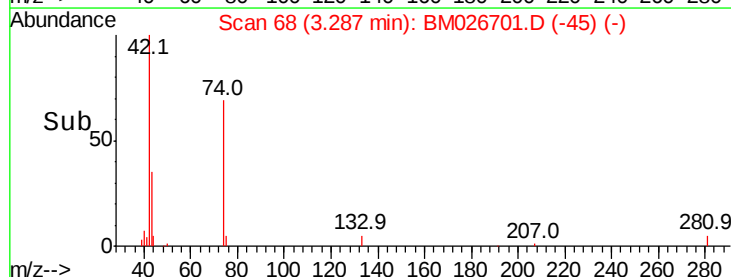
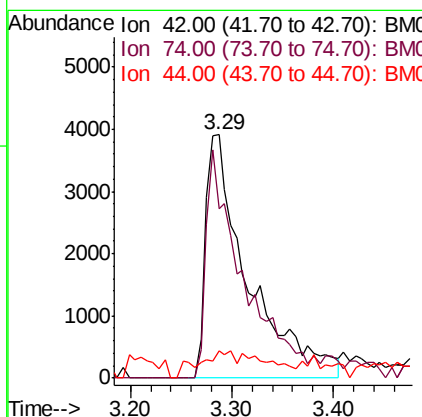
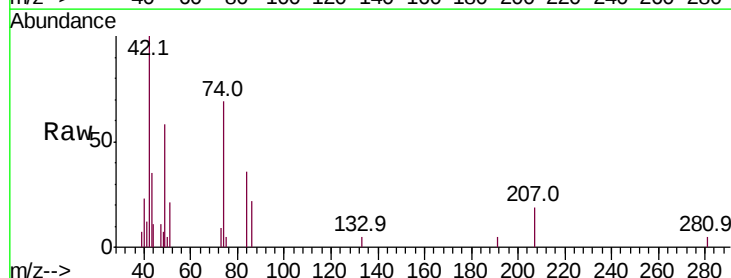
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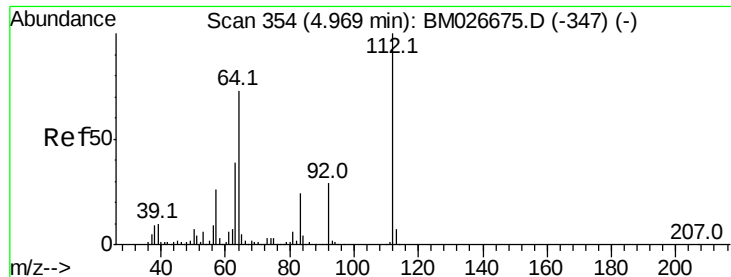
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#4
 n-Nitrosodimethylamine
 Concen: 4.361 ng
 RT: 3.29 min Scan# 68
 Delta R.T. 0.04 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
42	100		
74	69.4	75.1	112.7
44	11.2	5.7	8.5





#5

2-Fluorophenol

Concen: 104.019 ng

RT: 4.96 min Scan# 353

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

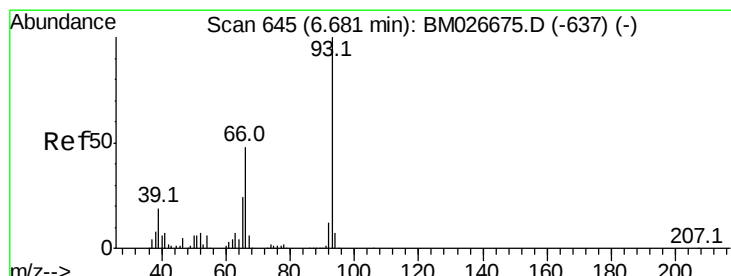
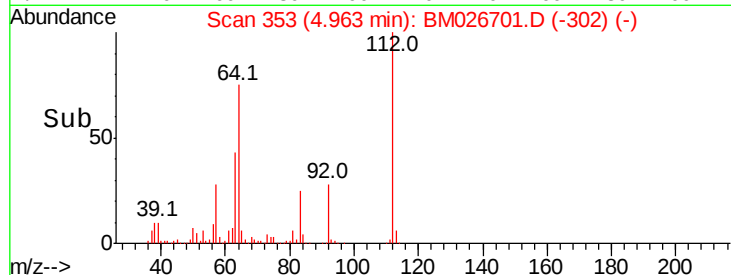
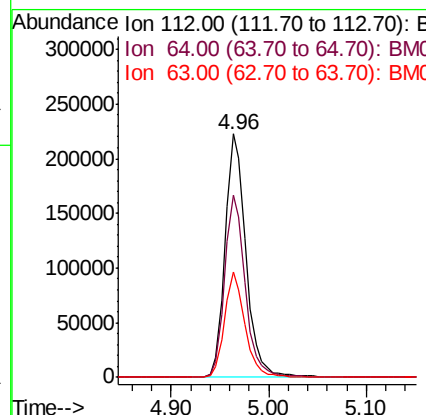
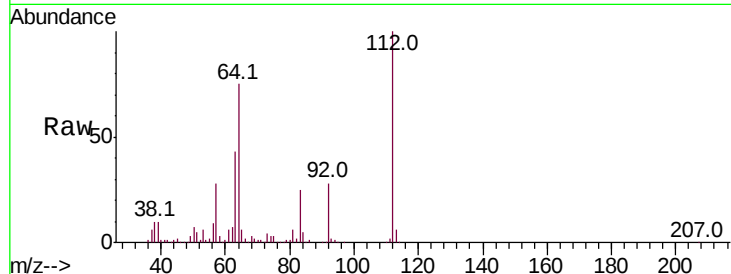
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	112	Resp:	329906
Ion Ratio	Lower	Upper	
112	100		
64	74.8	58.4	87.6
63	43.1	31.5	47.3

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#6

Aniline

Concen: 4.353 ng

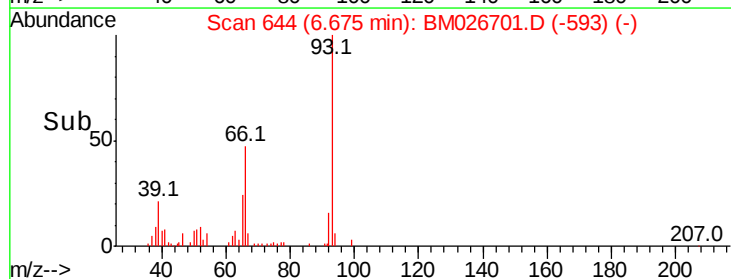
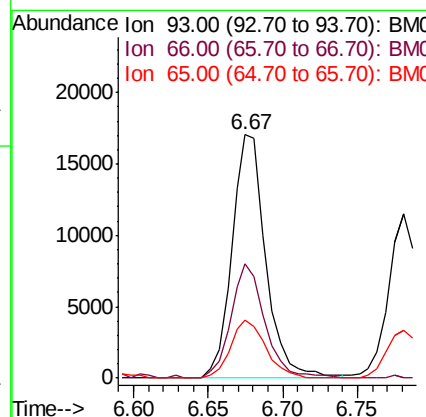
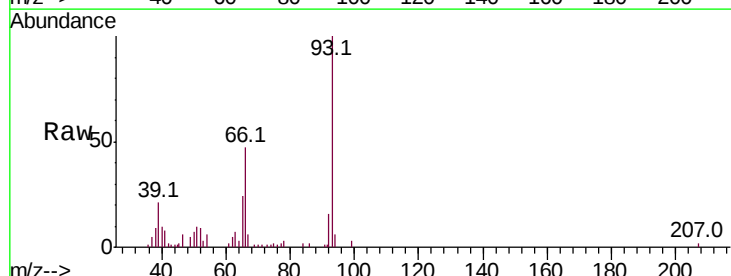
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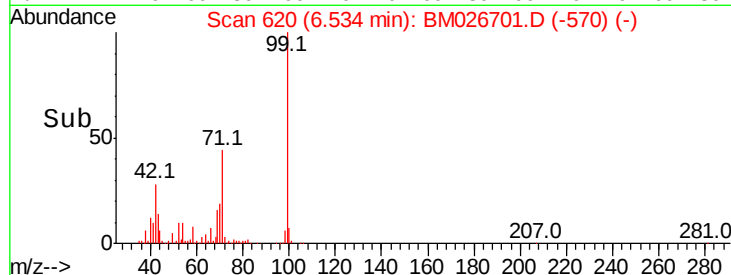
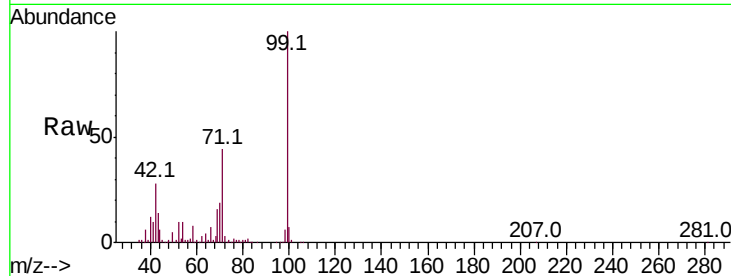
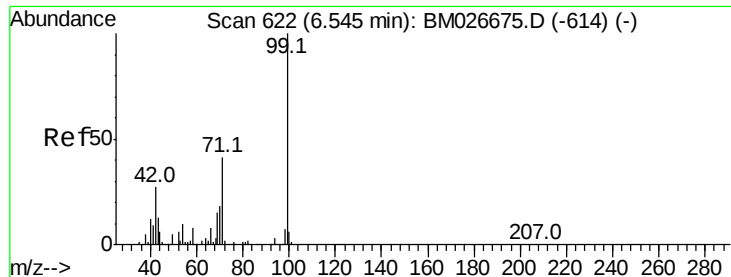
Delta R.T. 0.00 min

Lab File: BM026701.D

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Tgt Ion:	93	Resp:	26999
Ion Ratio	Lower	Upper	
93	100		
66	47.2	38.2	57.4
65	24.0	19.6	29.4





#7

Phenol-d6

Concen: 99.342 ng

RT: 6.53 min Scan# 620

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		501990		
42	28.5	21.7	32.5		
71	43.7	33.2	49.8		

Instrument :

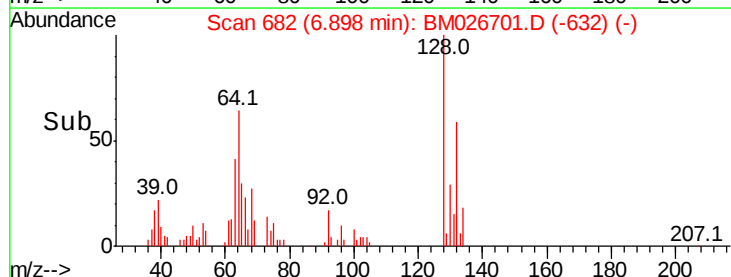
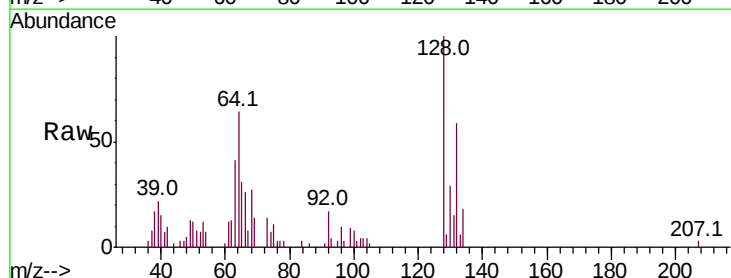
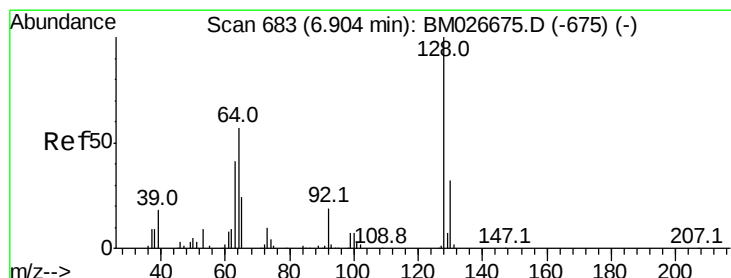
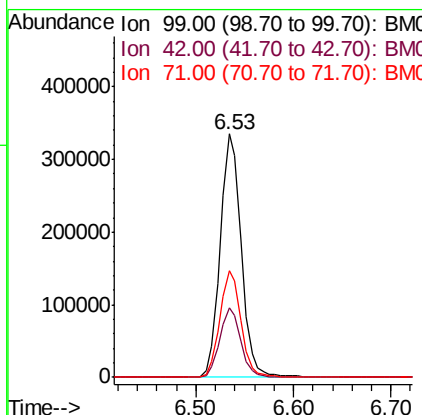
BNA_M

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LOQ-SOIL-02-QT3-2020

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#8

2-Chlorophenol

Concen: 4.143 ng

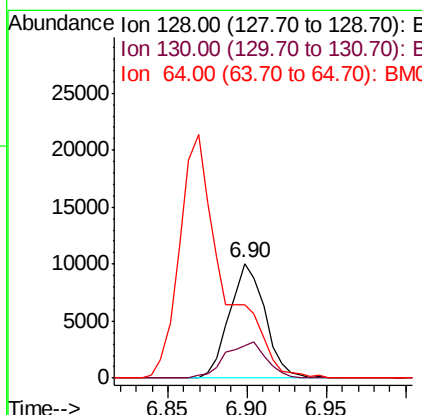
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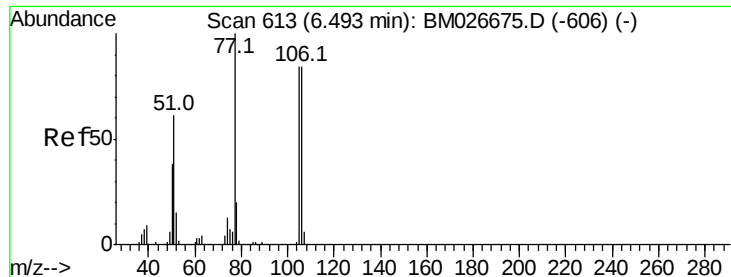
Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		15652		
130	28.5	12.2	52.2		
64	64.4	41.4	81.4		





#9

Benzaldehyd

Concen: 6.359 ng

RT: 6.50 min Scan# 614

Delta R.T. 0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

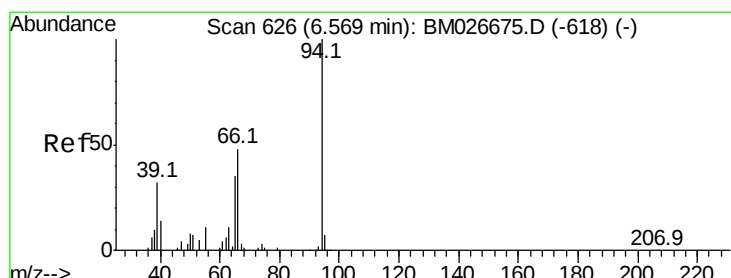
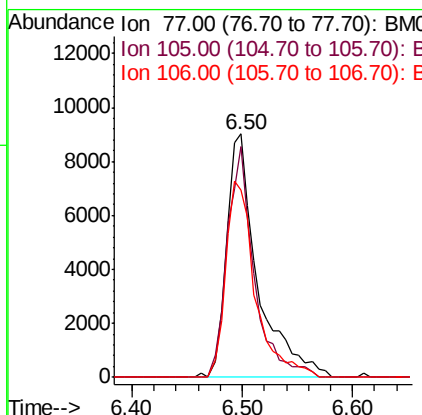
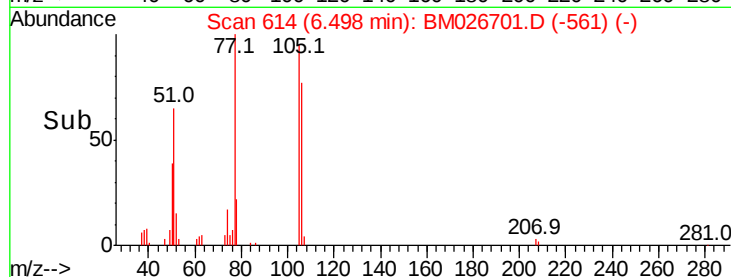
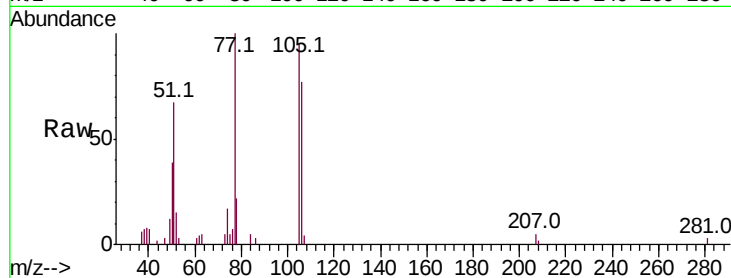
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	77	Resp:	17834
Ion	Ratio	Lower	Upper
77	100		
105	94.7	64.4	104.4
106	76.7	64.3	104.3

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#10

Phenol

Concen: 4.189 ng

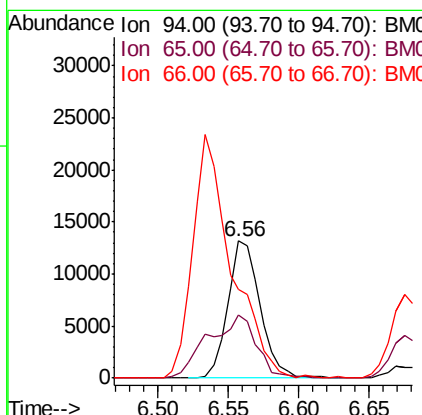
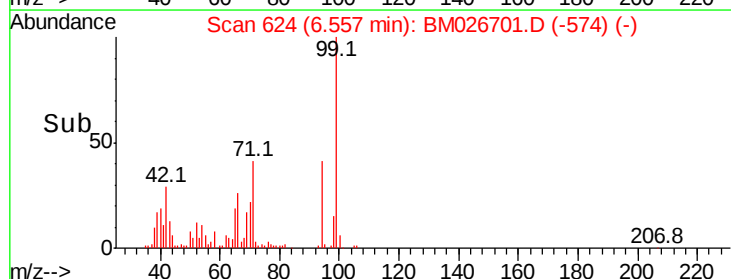
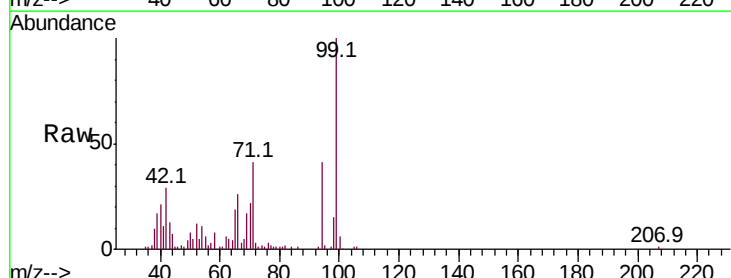
RT: 6.56 min Scan# 624

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	94	Resp:	20919
Ion	Ratio	Lower	Upper
94	100		
65	46.6	15.5	55.5
66	65.1	29.8	69.8





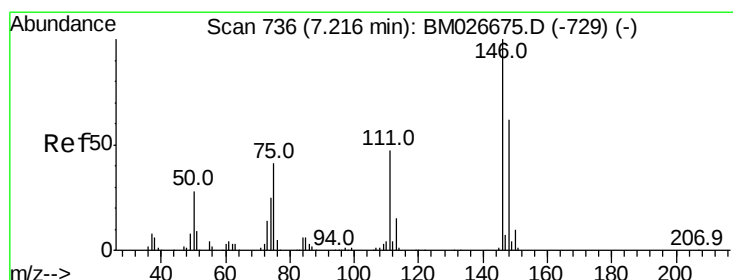
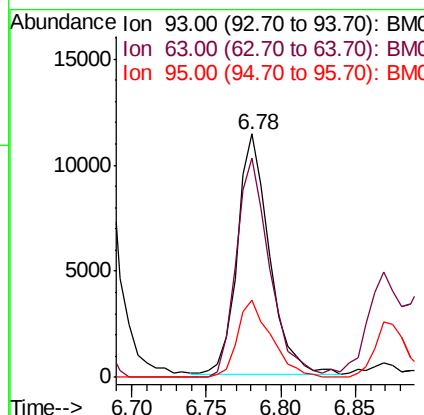
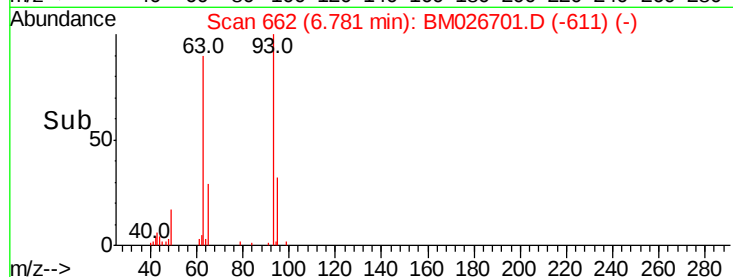
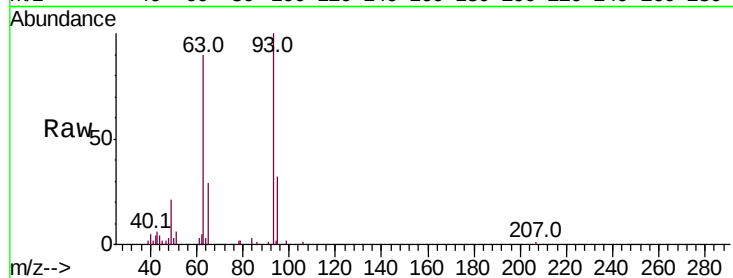
#11
bis(2-Chloroethyl)ether
Concen: 4.071 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	93	Resp	16999
Ion	Ratio	Lower	Upper
93	100		
63	90.0	72.6	112.6
95	31.7	12.3	52.3

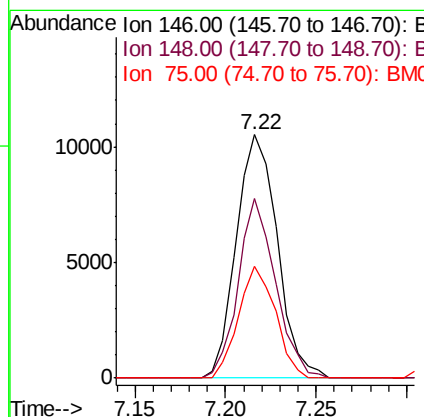
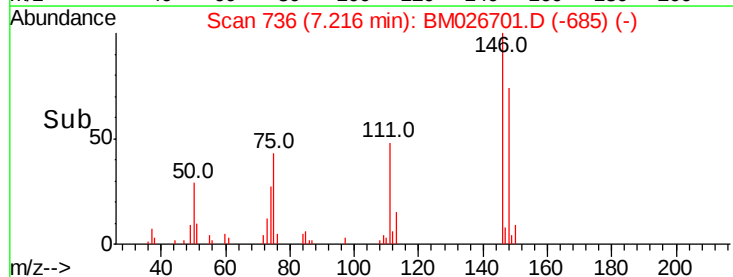
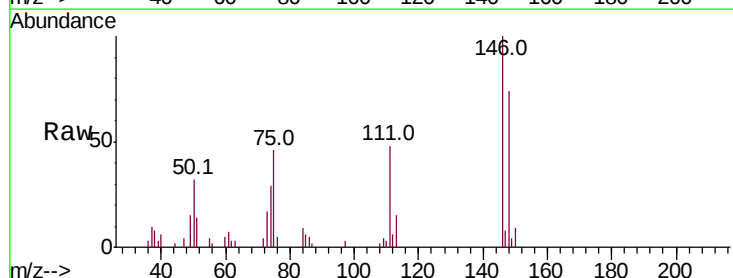
Manual Integrations
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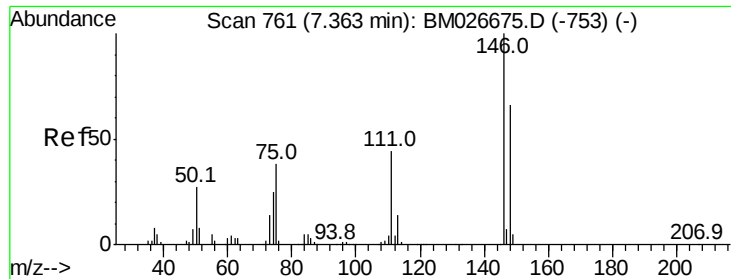
mohammad
7/9/2020 10:59:40 AM



#12
1,3-Dichlorobenzene
Concen: 4.027 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	146	Resp	16539
Ion	Ratio	Lower	Upper
146	100		
148	73.5	49.7	74.5
75	46.0	32.7	49.1





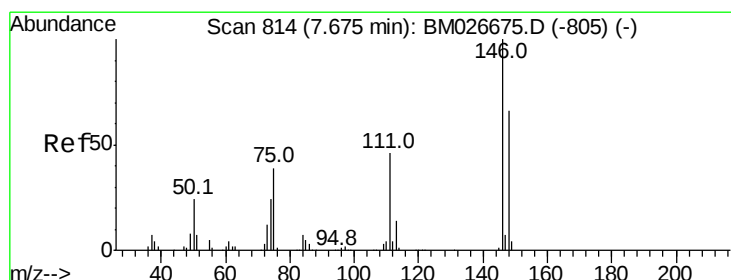
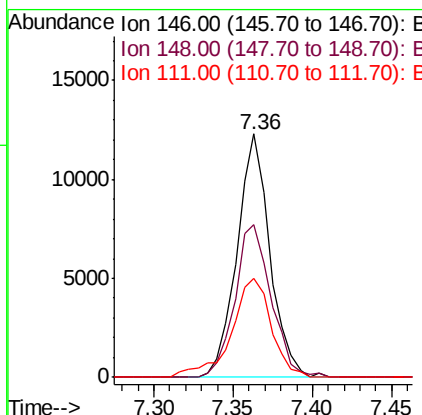
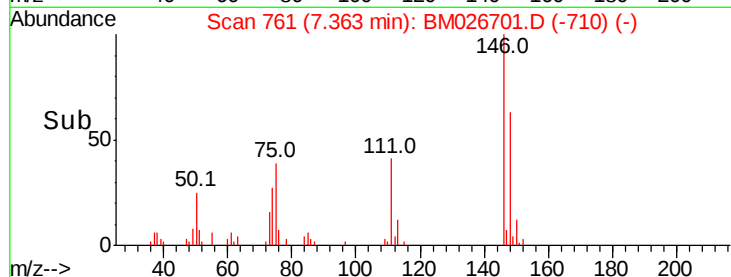
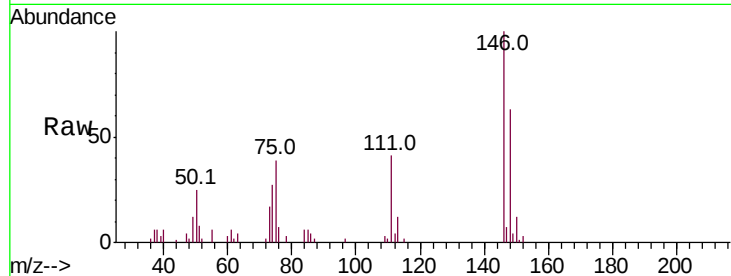
#13
 1,4-Dichlorobenzene
 Concen: 4.230 ng
 RT: 7.36 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.4	78.6
111	40.5	35.6	53.4

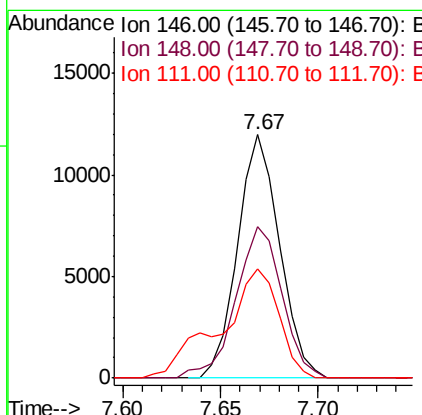
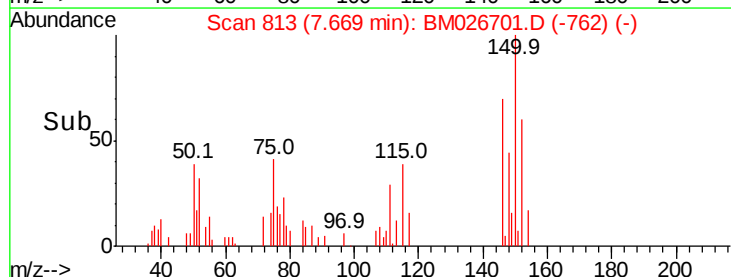
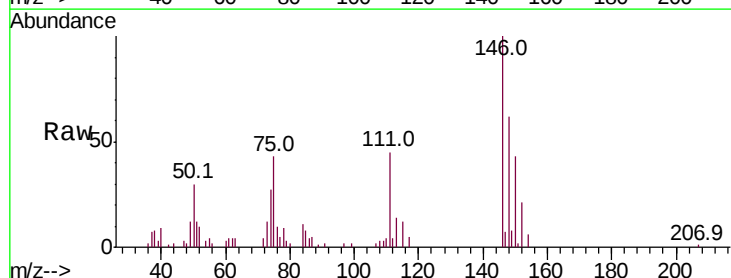
Manual Integrations
 APPROVED

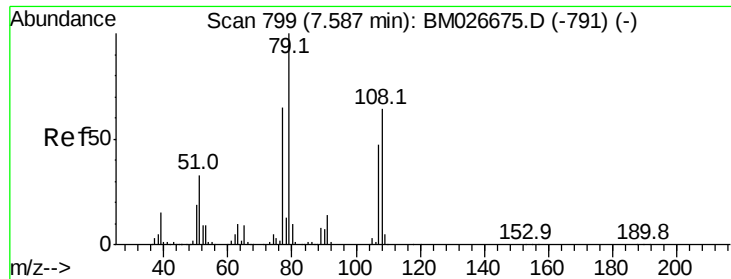
mohammad
 7/9/2020 10:59:40 AM



#14
 1,2-Dichlorobenzene
 Concen: 4.290 ng
 RT: 7.67 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	52.6	78.8
111	44.8	37.2	55.8





#15

Benzyl Alcohol

Concen: 3.323 ng

RT: 7.59 min Scan# 799

Delta R.T. 0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

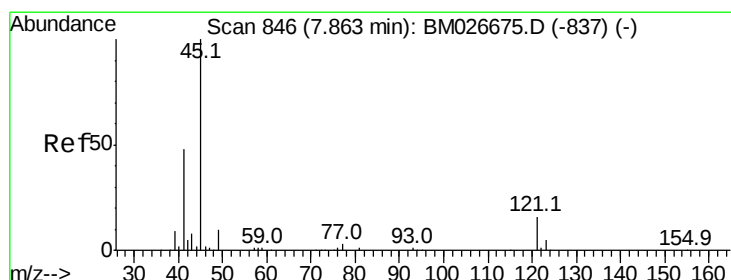
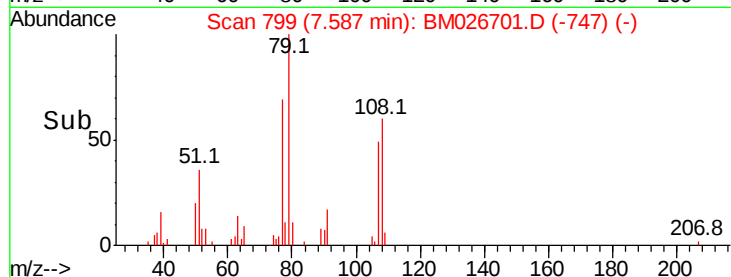
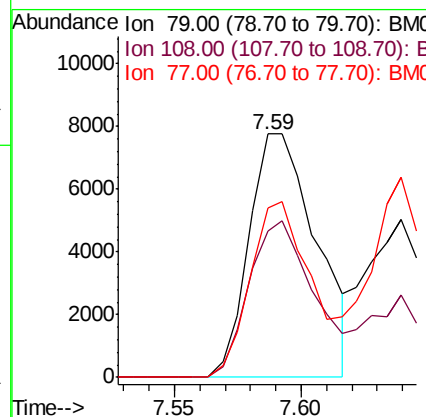
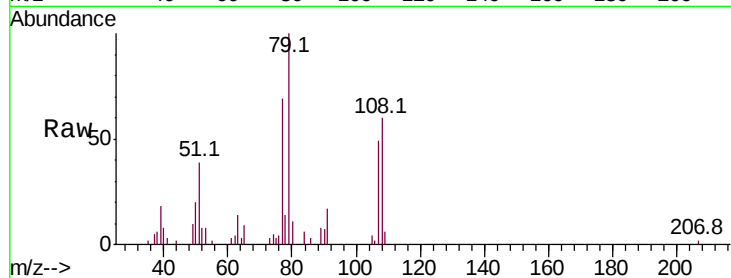
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	14368
Ion Ratio	Lower	Upper	
79	100		
108	59.9	51.0	76.4
77	69.4	52.1	78.1

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.289 ng

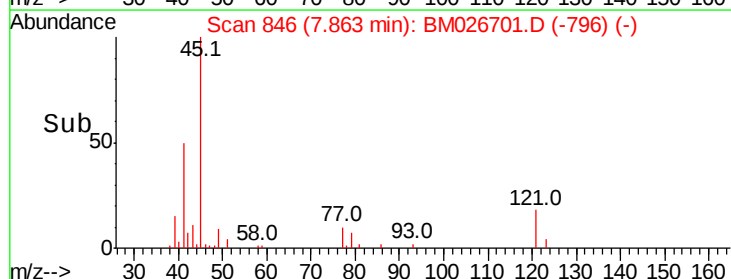
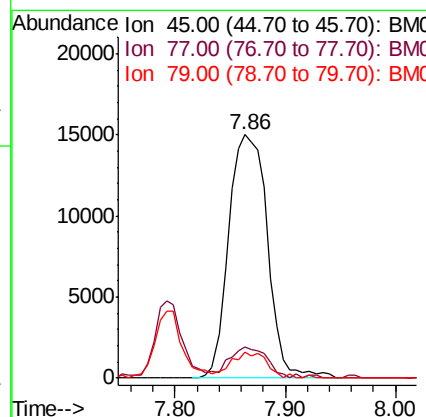
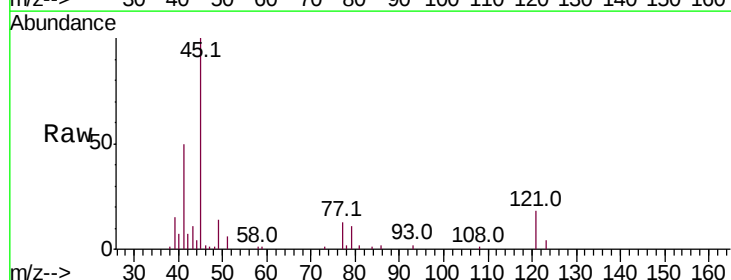
RT: 7.86 min Scan# 846

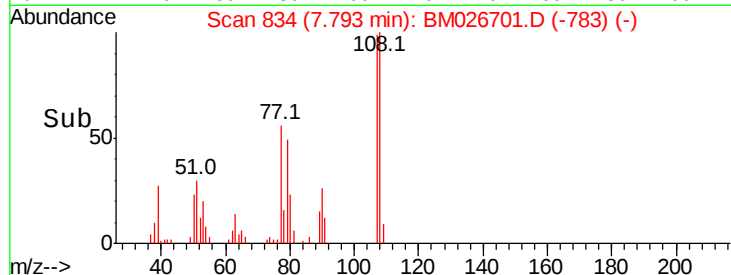
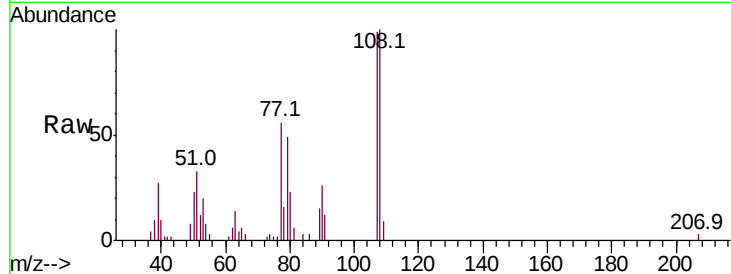
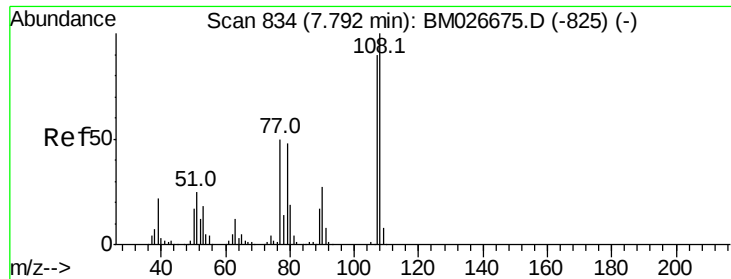
Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	45	Resp:	36964
Ion Ratio	Lower	Upper	
45	100		
77	12.6	0.0	31.4
79	10.7	0.0	28.4





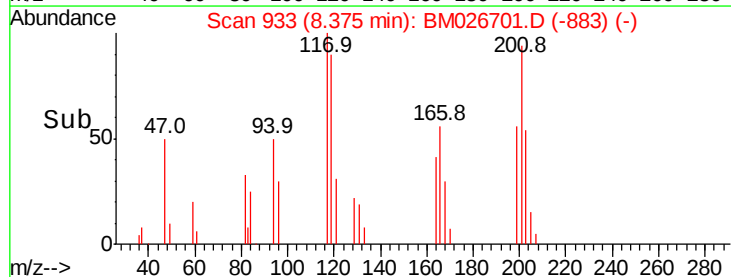
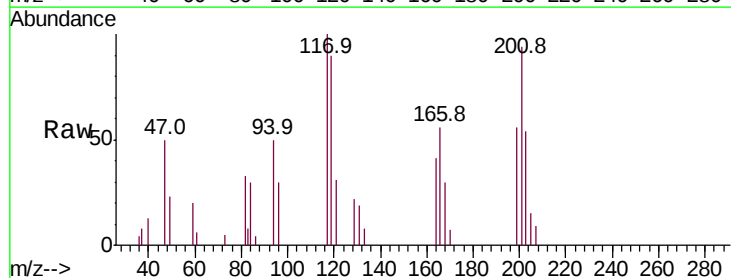
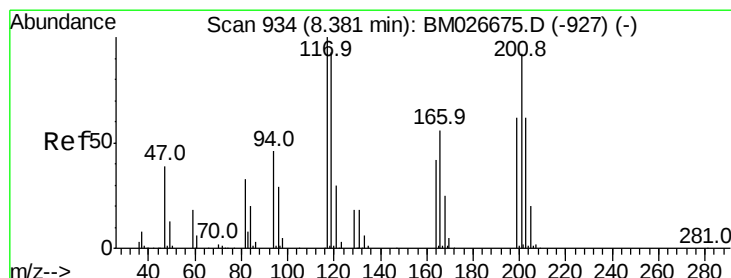
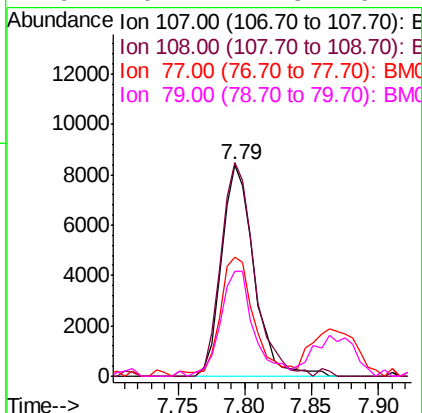
#17
2-Methylphenol
Concen: 3.774 ng
RT: 7.79 min Scan# 834
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	101.0	89.4	134.0	
77	56.6	45.2	67.8	
79	49.7	42.8	64.2	

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

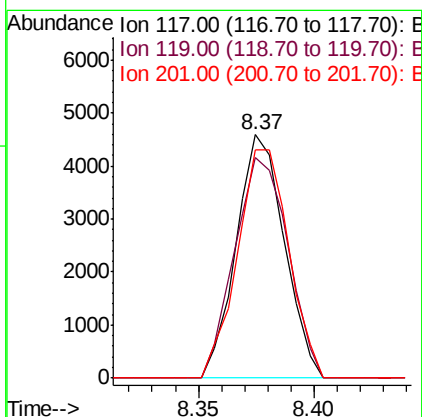
Manual Integrations
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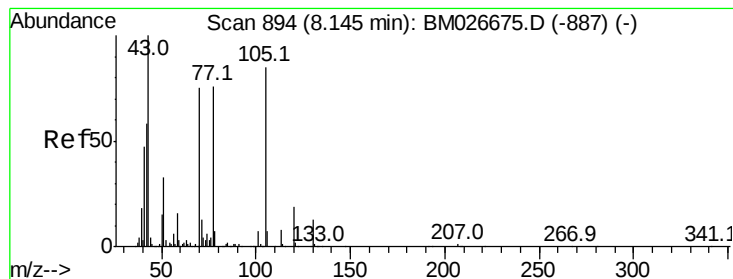
mohammad
7/9/2020 10:59:40 AM



#18
Hexachloroethane
Concen: 4.013 ng
RT: 8.37 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	90.4	74.2	111.2	
201	93.9	73.6	110.4	





#19

n-Nitroso-di-n-propylamine

Concen: 3.838 ng

RT: 8.14 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

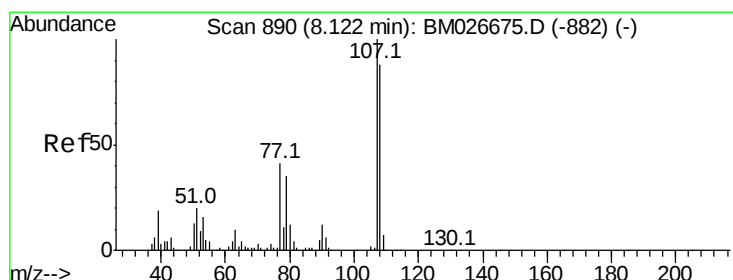
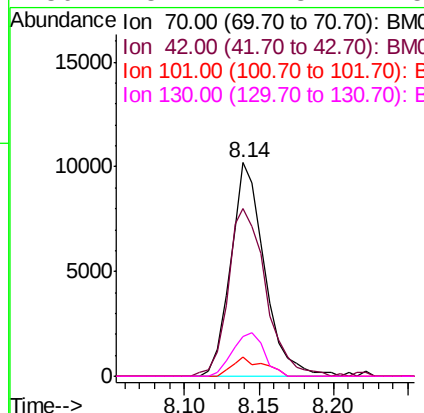
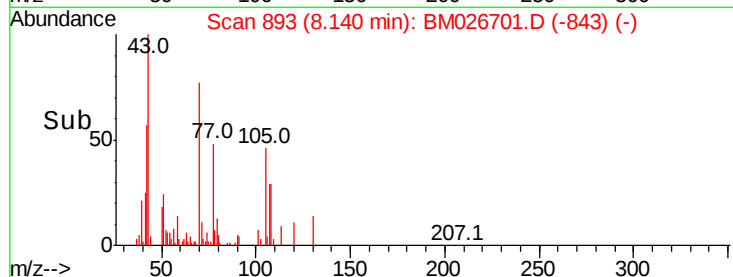
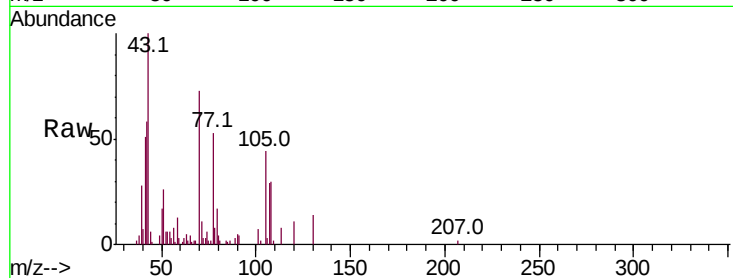
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	78.8	62.3	93.5	
101	9.3	7.1	10.7	
130	18.4	14.3	21.5	

Manual Integrations
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#20

3+4-Methylphenols

Concen: 3.438 ng

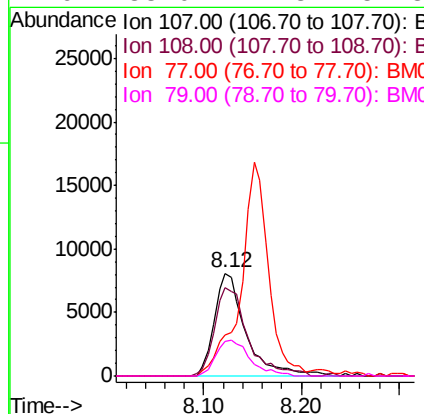
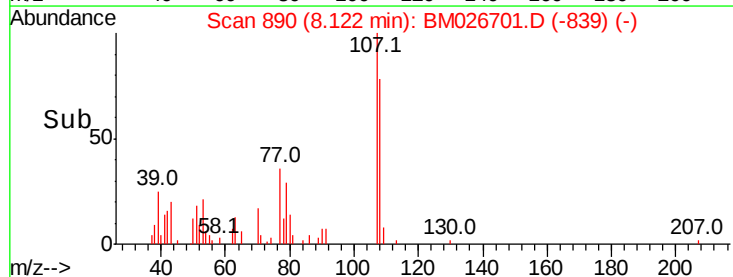
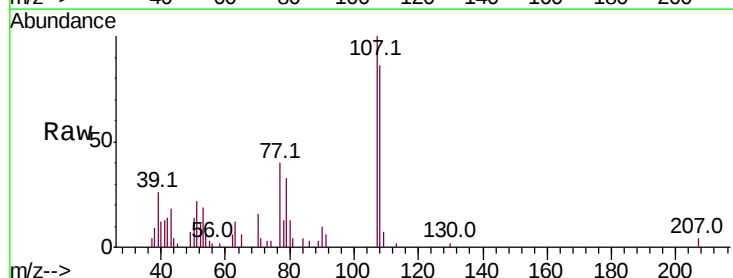
RT: 8.12 min Scan# 890

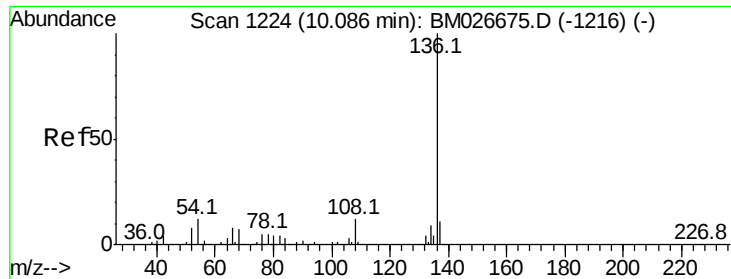
Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.6	68.5	108.5	
77	40.3	20.8	60.8	
79	33.0	14.8	54.8	





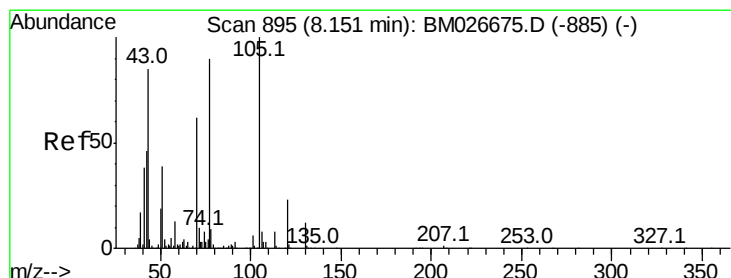
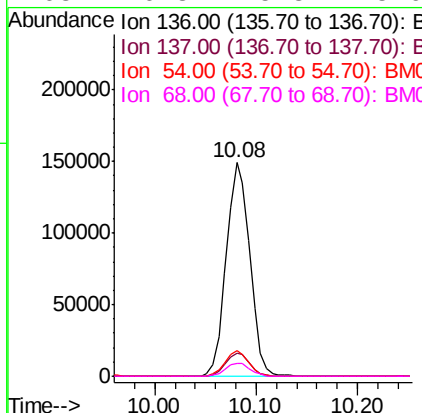
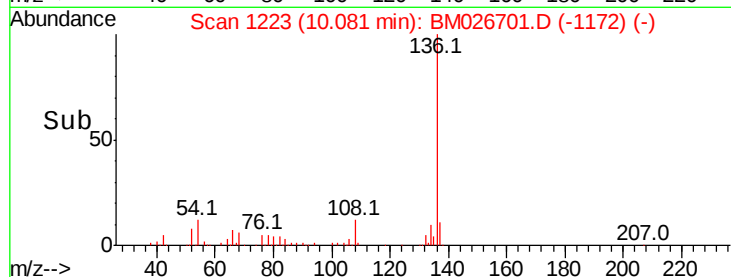
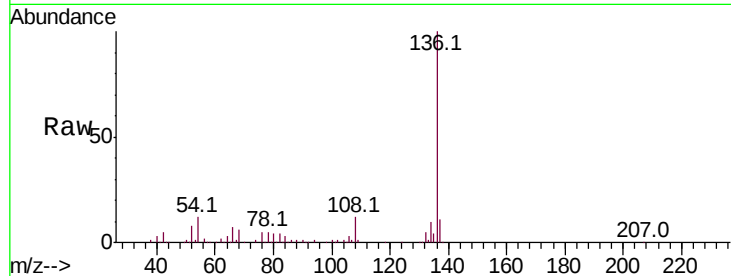
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	240661		
137	11.1		8.6	12.8
54	12.1		9.8	14.6
68	6.3		5.8	8.6

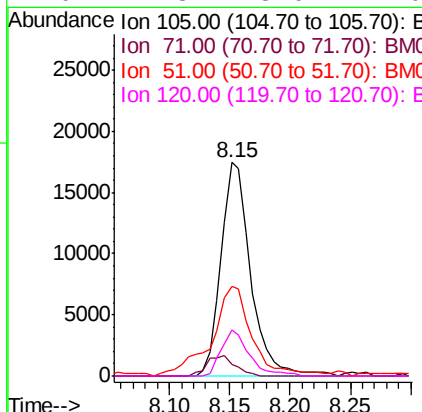
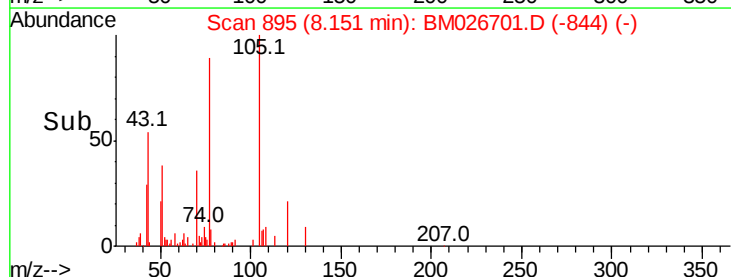
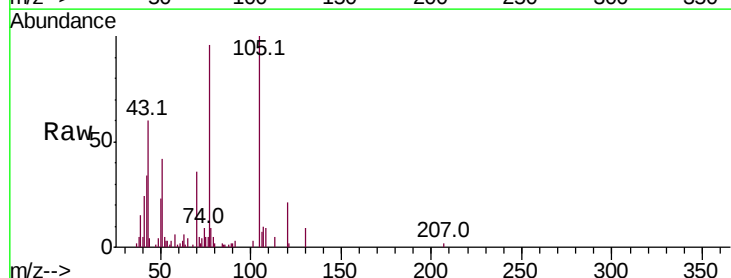
Manual Integrations
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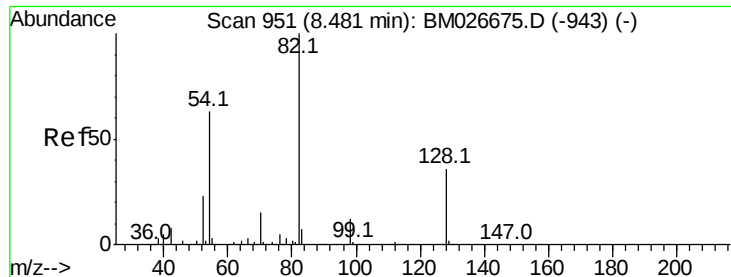
mohammad
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#22
Acetophenone
Concen: 4.345 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	29712		
71	5.2		8.1	12.1#
51	42.0		31.9	47.9
120	21.3		18.0	27.0





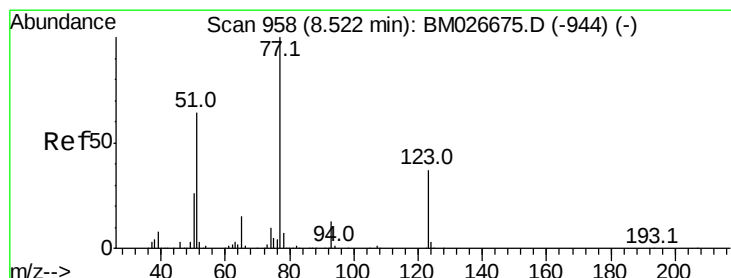
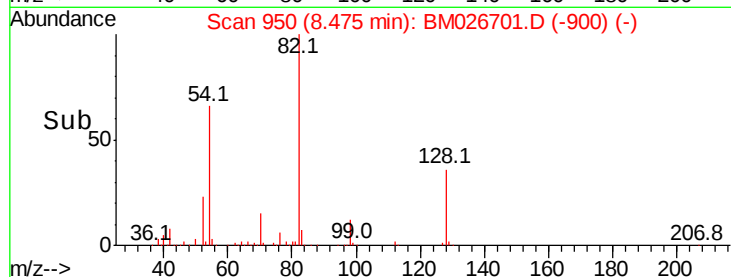
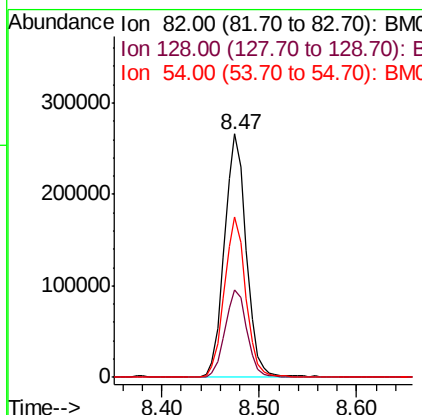
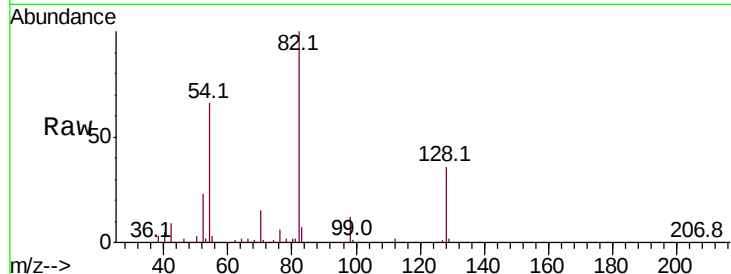
#23
Nitrobenzene-d5
Concen: 73.540 ng
RT: 8.47 min Scan# 950
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.1	43.7
54	65.8	50.2	75.4

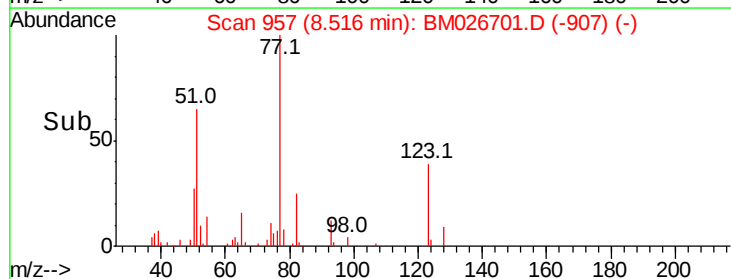
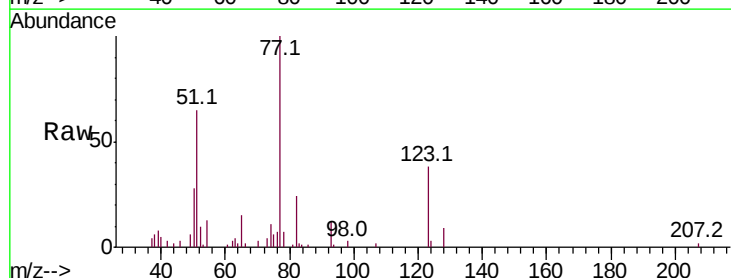
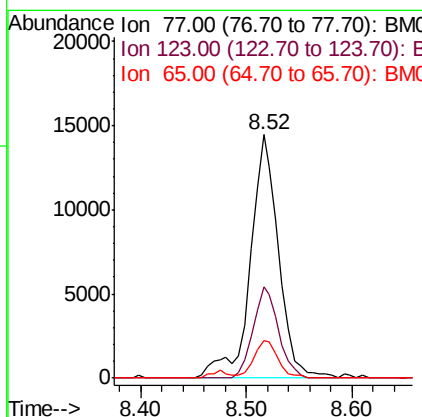
Manual Integrations
APPROVED

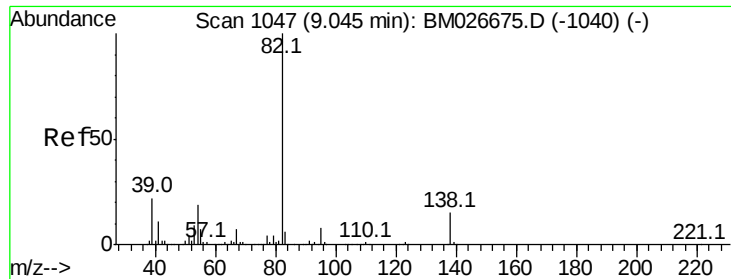
mohammad
7/9/2020 10:59:40 AM



#24
Nitrobenzene
Concen: 4.567 ng
RT: 8.52 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.6	29.8	44.6
65	15.4	12.2	18.4





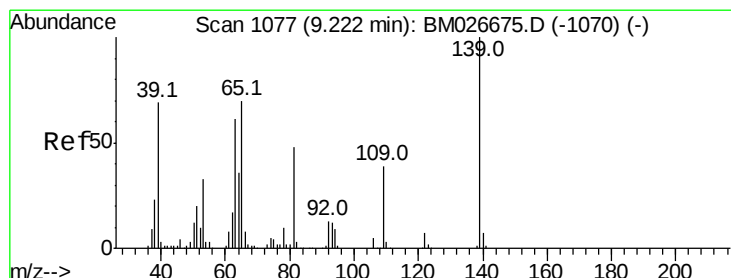
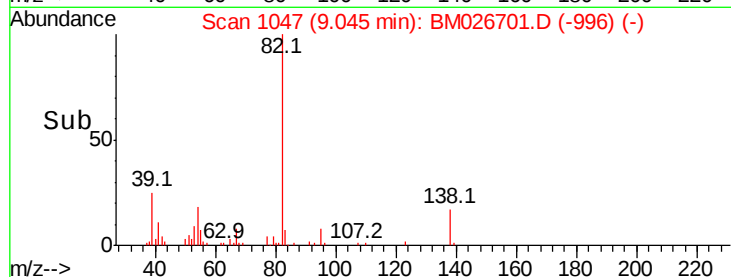
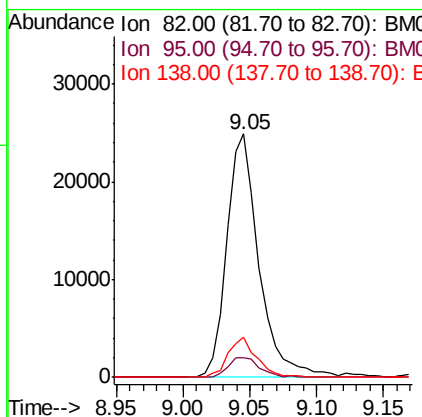
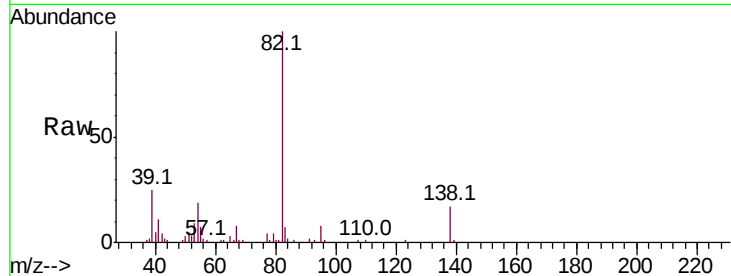
#25
Isophorone
Concen: 3.876 ng
RT: 9.05 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.3	9.5
138	16.7	12.0	18.0

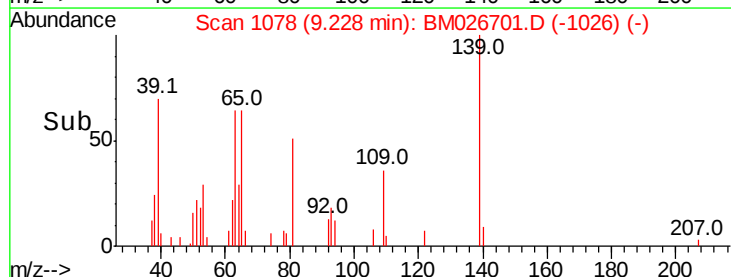
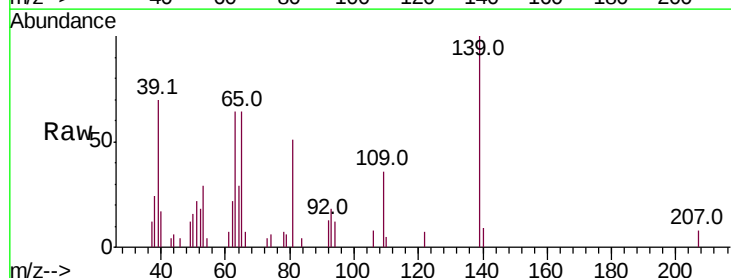
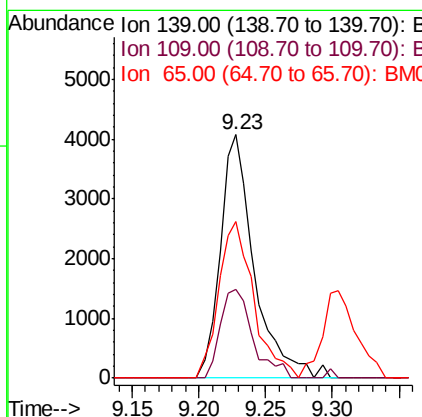
Manual Integrations
APPROVED

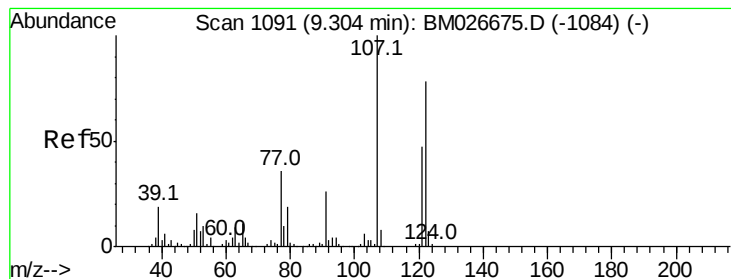
mohammad
7/9/2020 10:59:40 AM



#26
2-Nitrophenol
Concen: 3.322 ng
RT: 9.23 min Scan# 1078
Delta R.T. 0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
139	100		
109	36.4	30.8	46.2
65	64.2	56.2	84.4





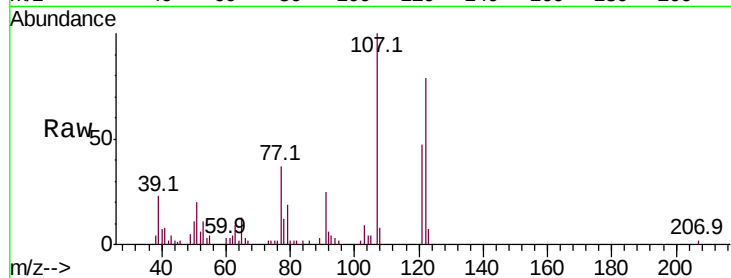
#27
 2,4-Dimethylphenol
 Concen: 4.400 ng
 RT: 9.30 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	127.1	102.1	153.1
121	59.8	48.2	72.2

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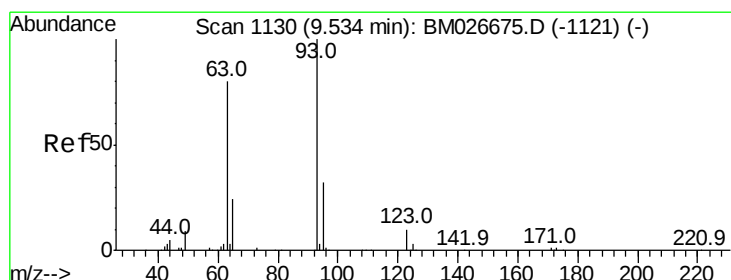
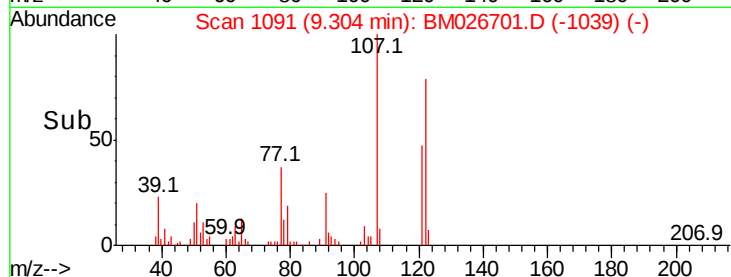
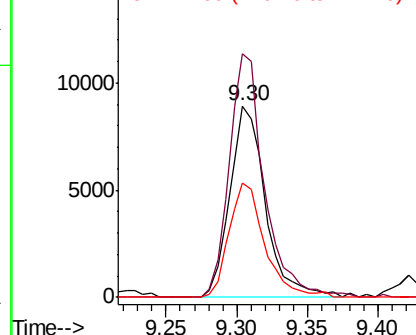


Abundance

Ion 122.00 (121.70 to 122.70): E

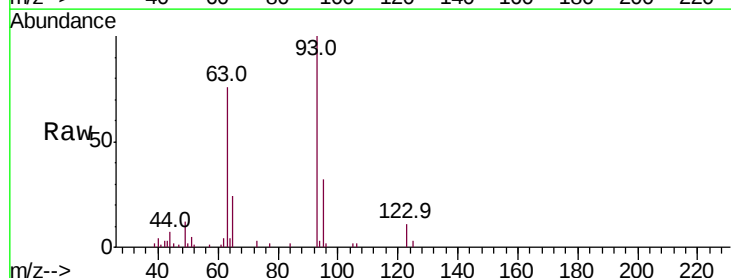
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.042 ng
 RT: 9.54 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.7	38.5
123	10.6	8.7	13.1

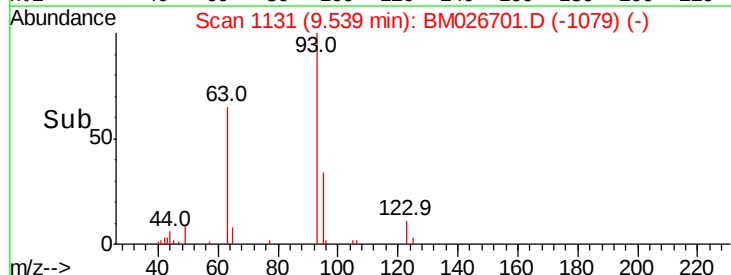
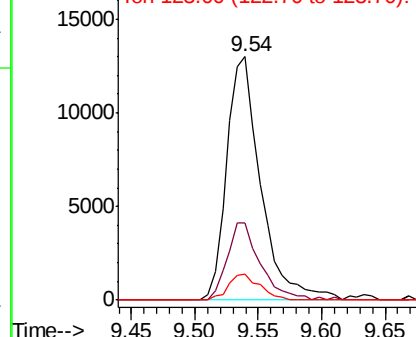


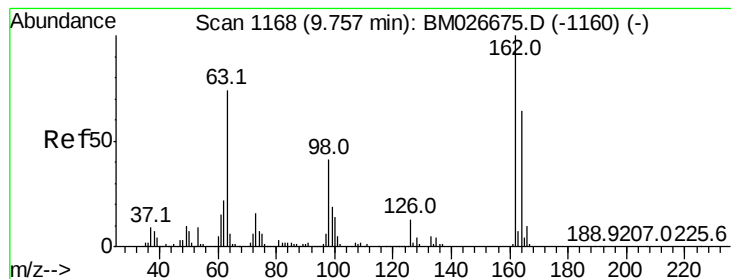
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 3.431 ng

RT: 9.77 min Scan# 1171

Delta R.T. 0.02 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

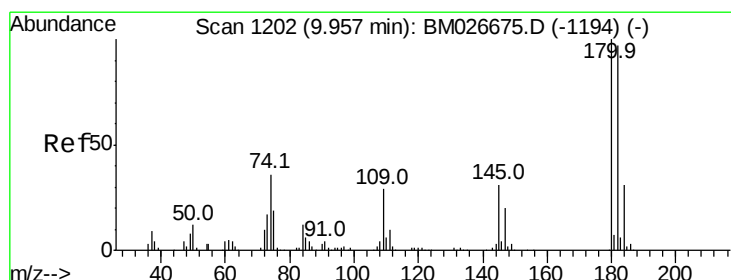
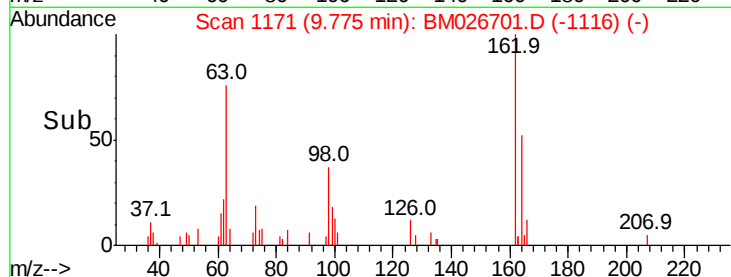
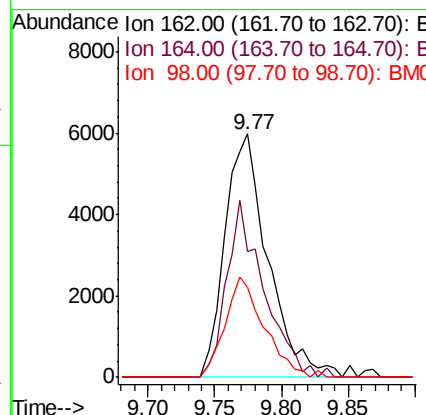
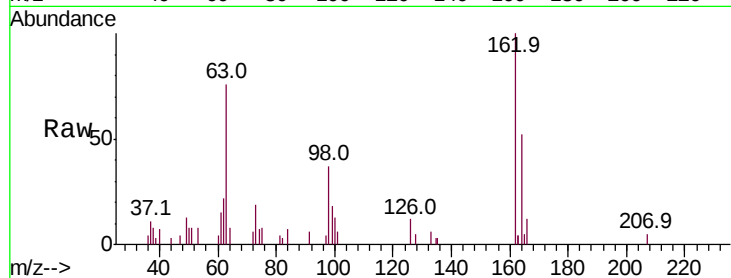
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	162	Resp:	13456
Ion Ratio	Lower	Upper	
162	100		
164	51.9	44.3	84.3
98	37.1	21.0	61.0

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#30

1,2,4-Trichlorobenzene

Concen: 4.248 ng

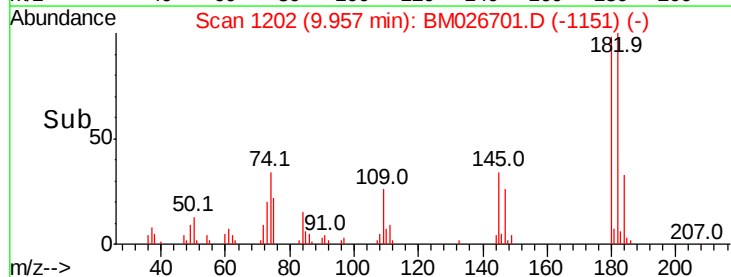
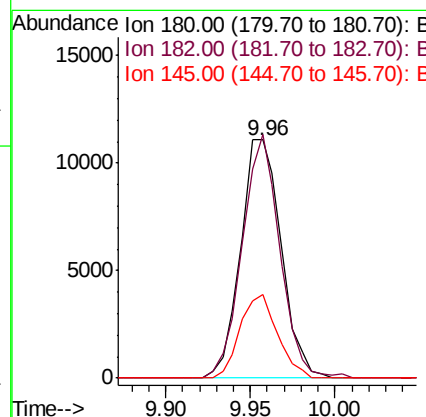
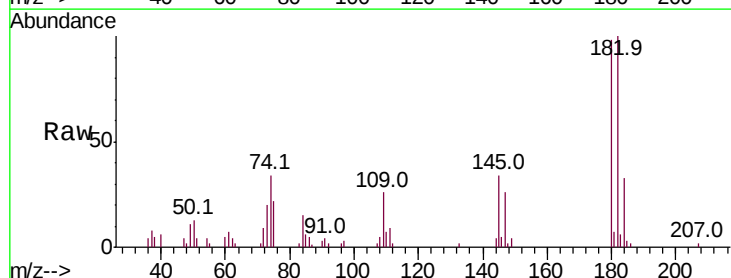
RT: 9.96 min Scan# 1202

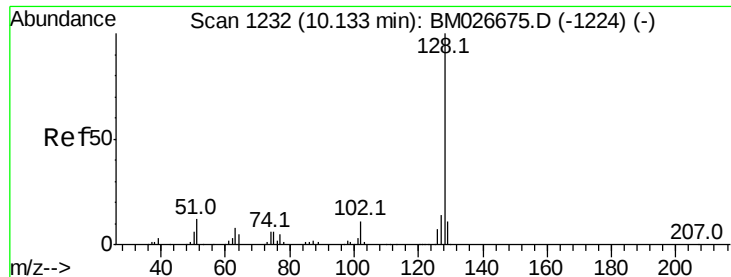
Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	180	Resp:	18588
Ion Ratio	Lower	Upper	
180	100		
182	102.1	77.8	116.6
145	35.0	25.0	37.6





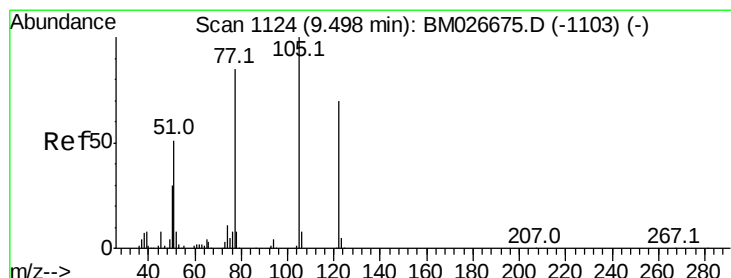
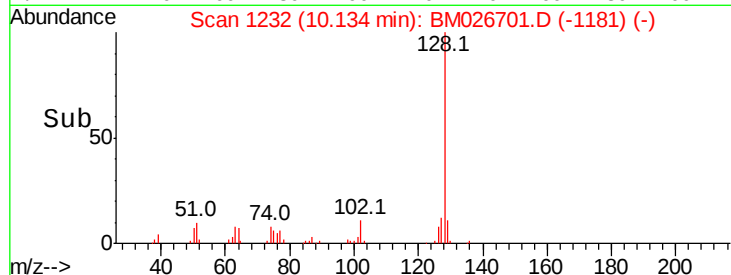
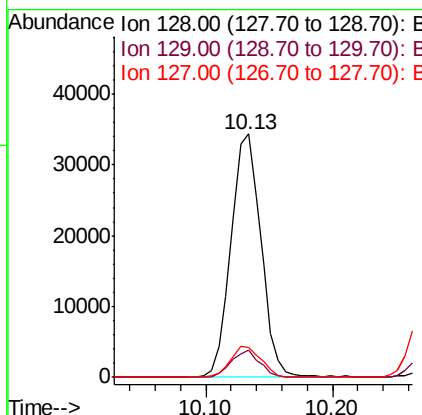
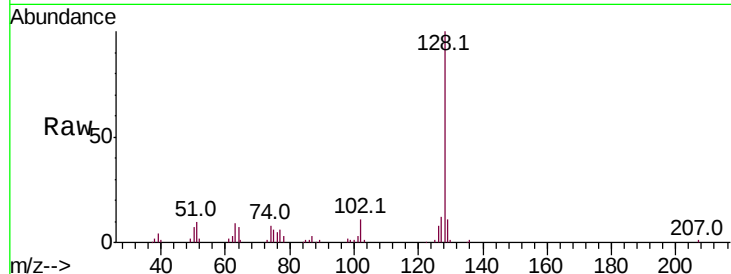
#31
Naphthalene
Concen: 4.197 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.4	10.8	16.2

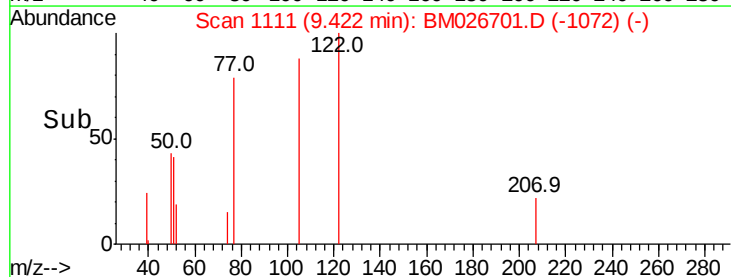
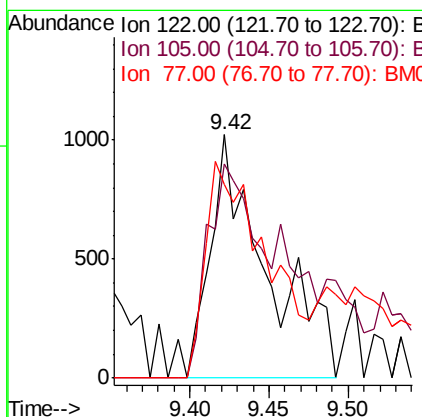
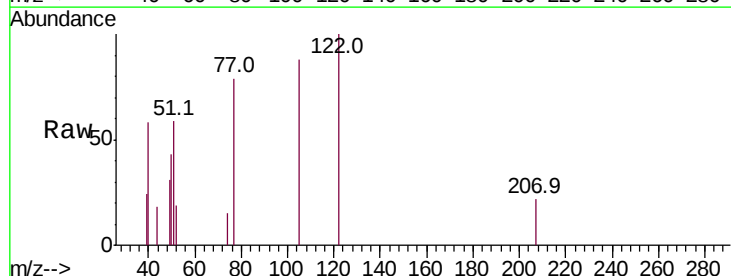
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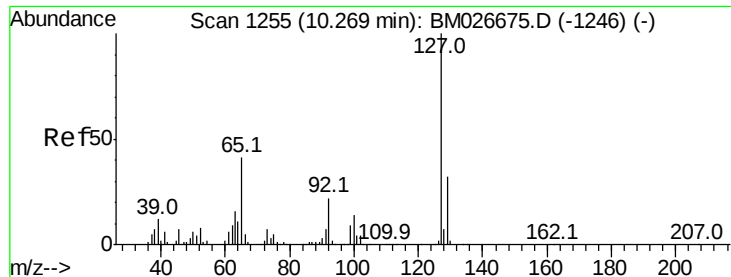
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#32
Benzoic acid
Concen: 0.932 ng m
RT: 9.42 min Scan# 1111
Delta R.T. -0.07 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
122	100		
105	88.2	120.9	160.9#
77	79.5	100.0	140.0#





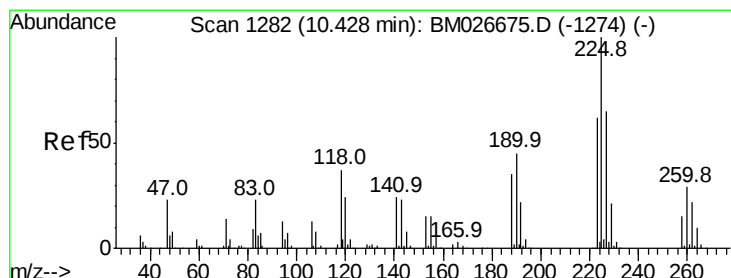
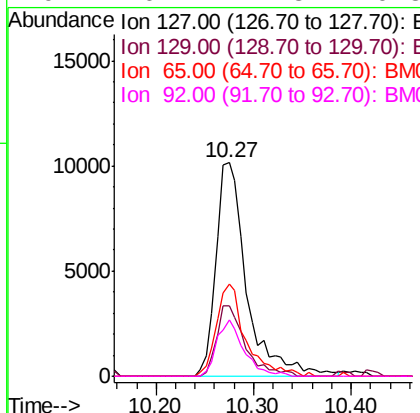
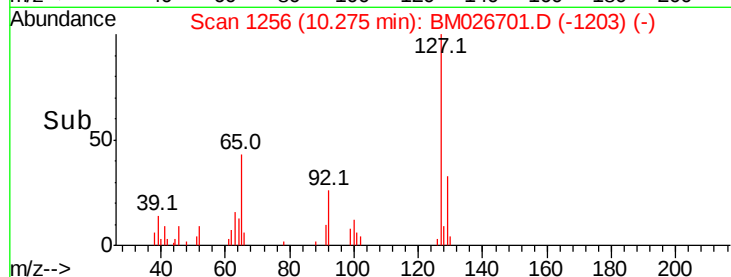
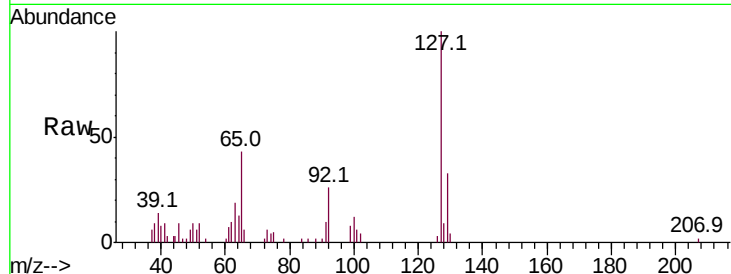
#33
4-Chloroaniline
Concen: 3.805 ng
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.2	25.8	38.6	
65	43.4	32.5	48.7	
92	26.2	17.8	26.8	

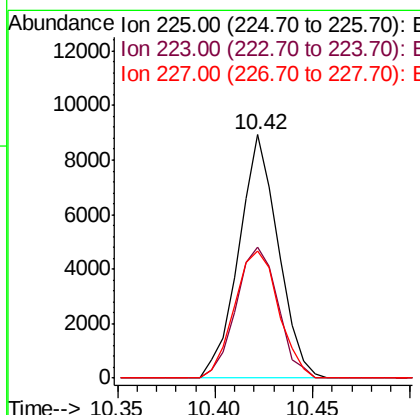
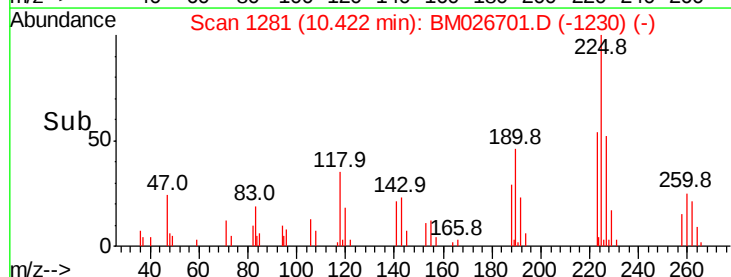
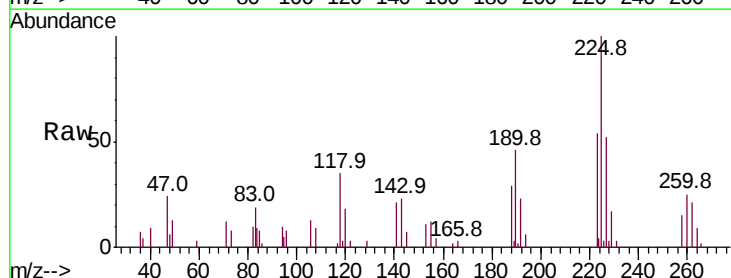
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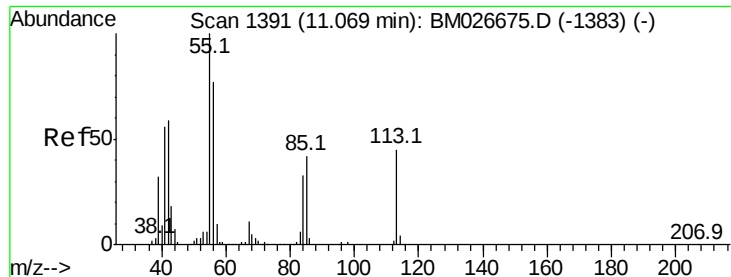
mohammad
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#34
Hexachlorobutadiene
Concen: 4.311 ng
RT: 10.42 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	53.9	49.8	74.8	
227	55.1	52.3	78.5	





#35

Caprolactam

Concen: 3.030 ng

RT: 11.05 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

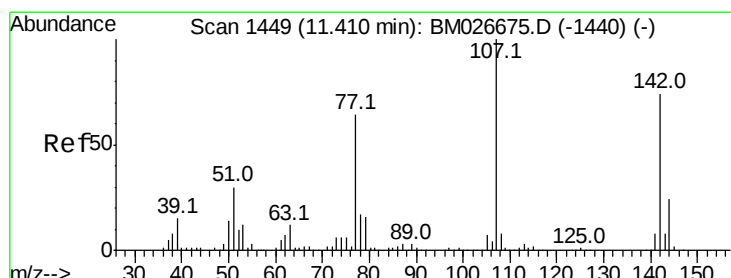
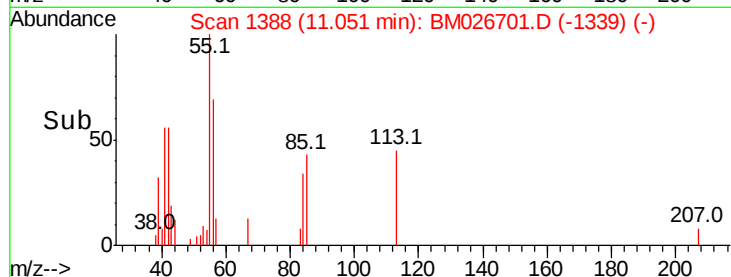
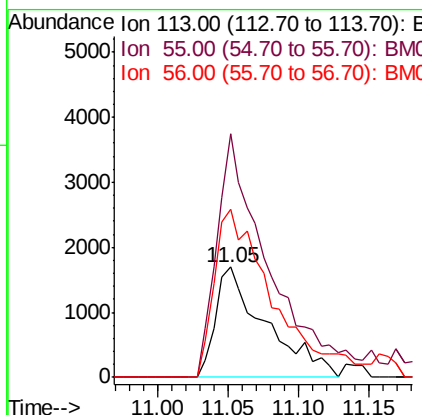
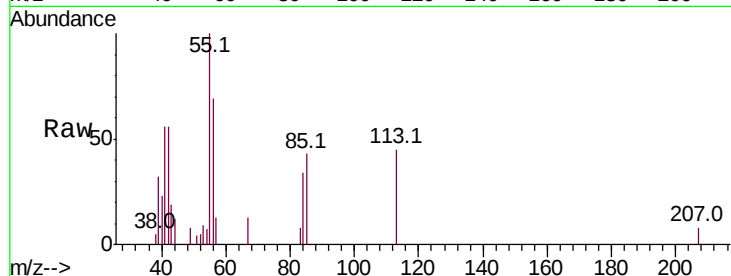
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	113	Resp:	4210
Ion	Ratio	Lower	Upper
113	100		
55	220.8	203.5	243.5
56	152.0	151.6	191.6

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#36

4-Chloro-3-methylphenol

Concen: 3.590 ng

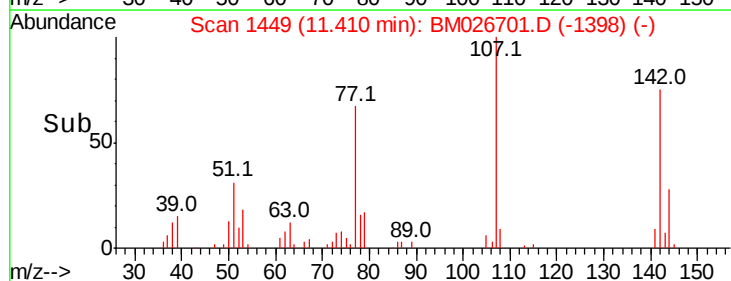
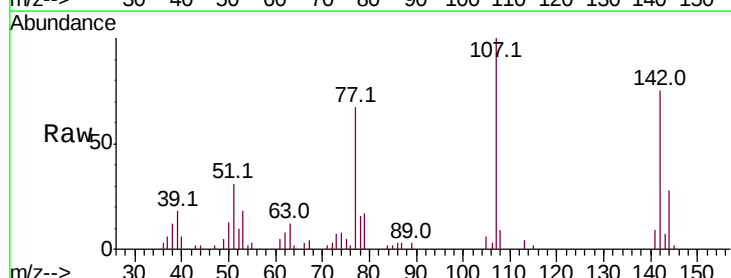
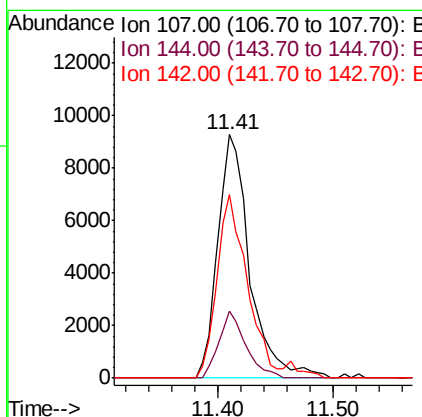
RT: 11.41 min Scan# 1449

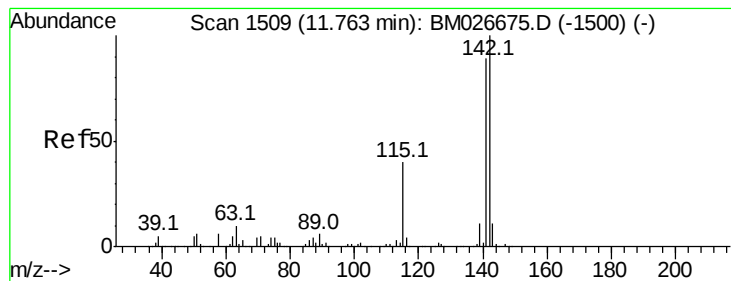
Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	107	Resp:	17796
Ion	Ratio	Lower	Upper
107	100		
144	27.7	18.9	28.3
142	75.1	59.0	88.4





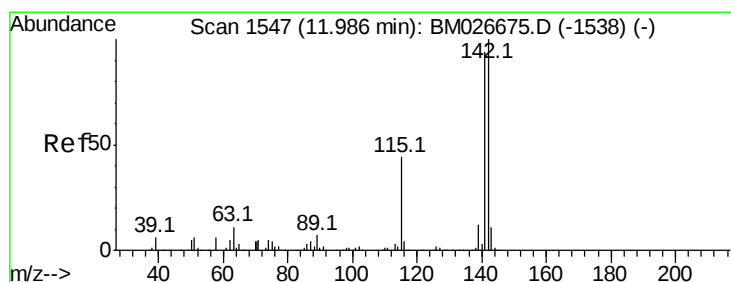
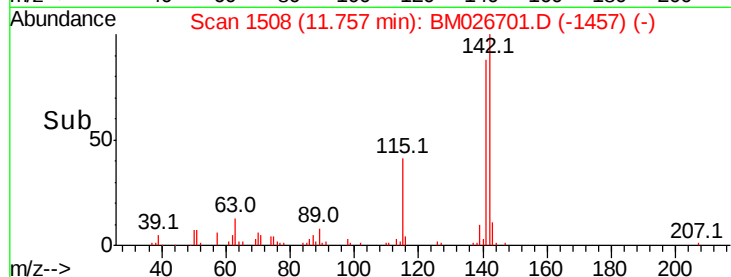
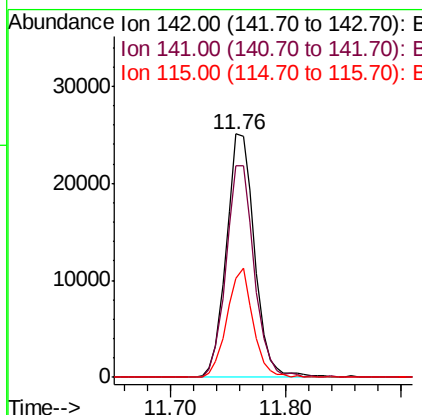
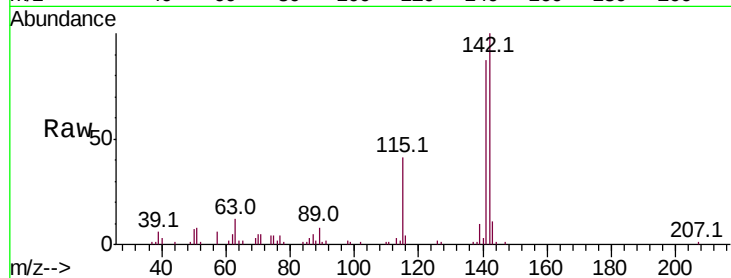
#37
2-Methylnaphthalene
Concen: 4.275 ng
RT: 11.76 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.4	107.0
115	40.8	32.1	48.1

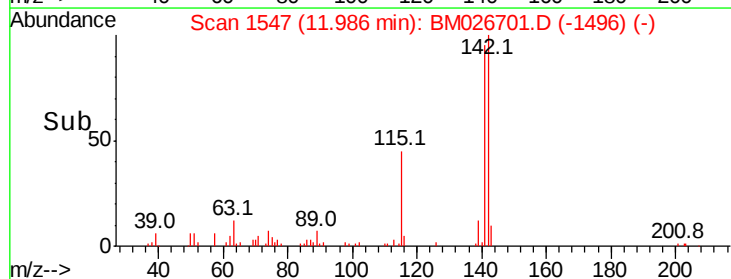
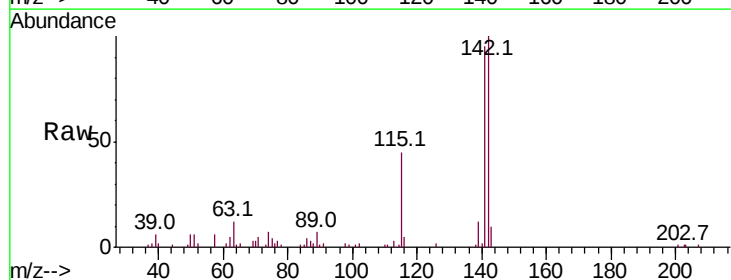
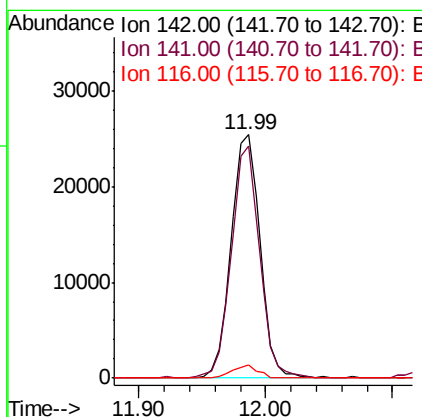
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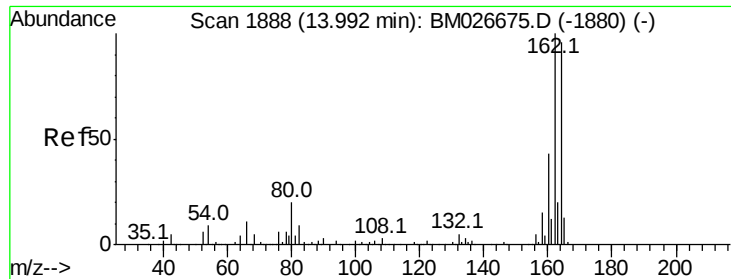
mohammad
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#38
1-Methylnaphthalene
Concen: 4.218 ng
RT: 11.99 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.1	75.0	112.6
116	5.3	3.5	5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

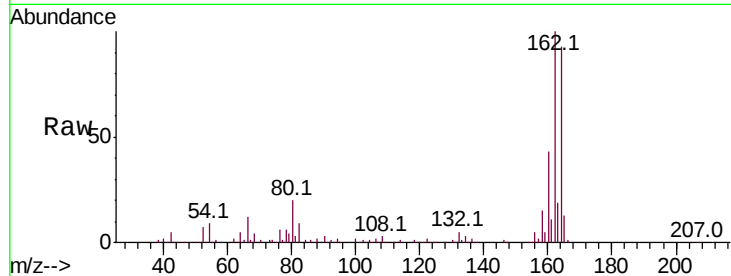
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	164	Resp:	172201
Ion Ratio	Lower	Upper	
164	100		
162	107.1	83.7	125.5
160	46.4	36.2	54.2

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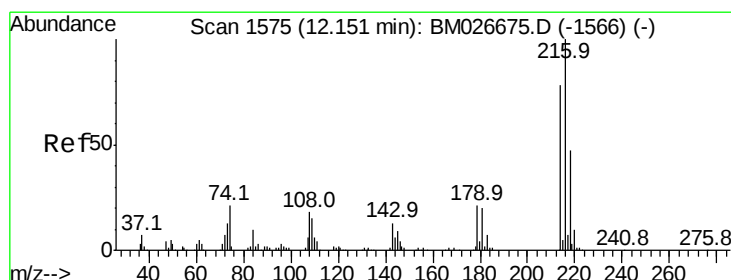
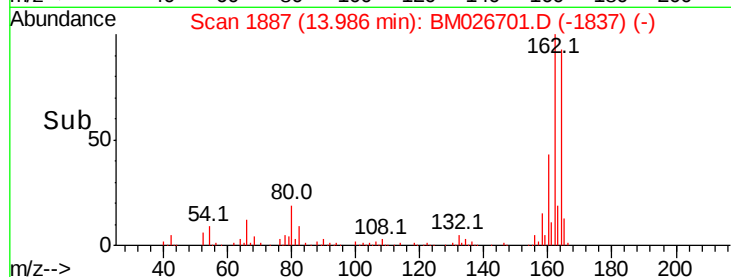
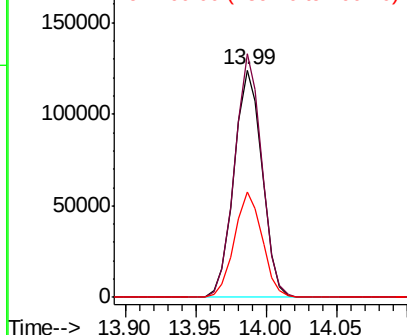


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.320 ng

RT: 12.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	216	Resp:	24046
Ion Ratio	Lower	Upper	
216	100		
214	73.7	62.6	93.8
179	20.9	17.5	26.3
108	20.4	16.7	25.1

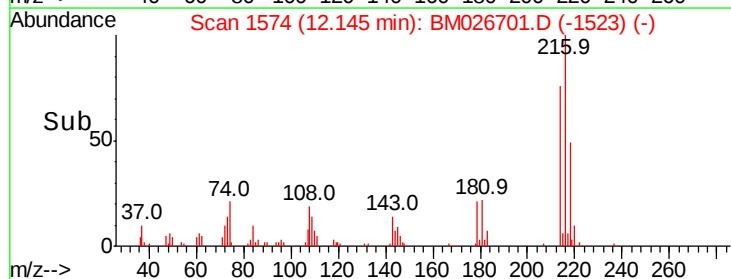
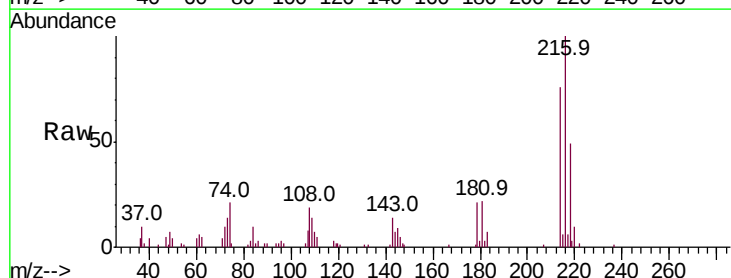
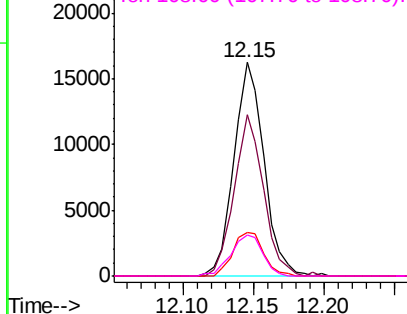
Abundance

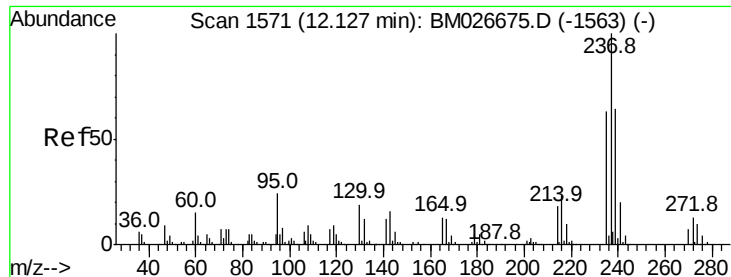
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 2.173 ng

RT: 12.12 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

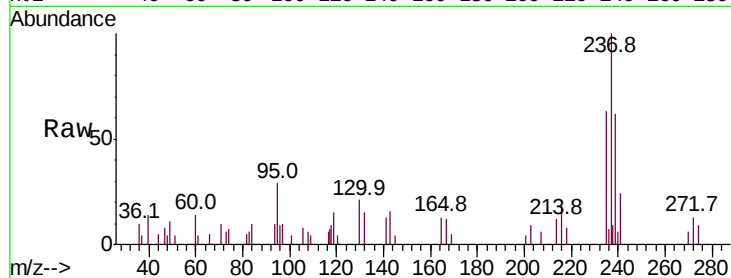
ClientSampleId :

LOQ-SOIL-02-QT3-2020

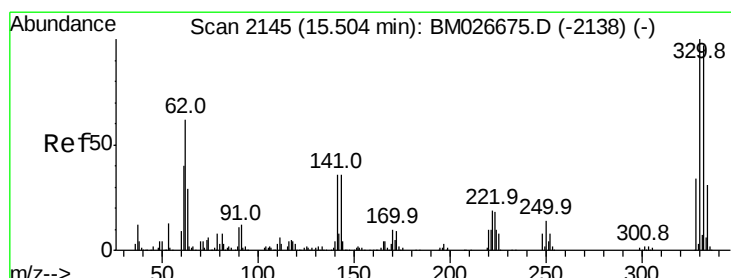
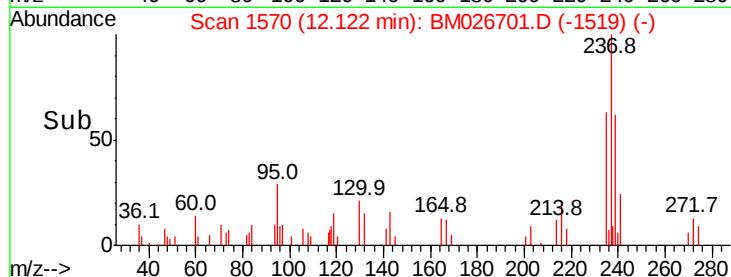
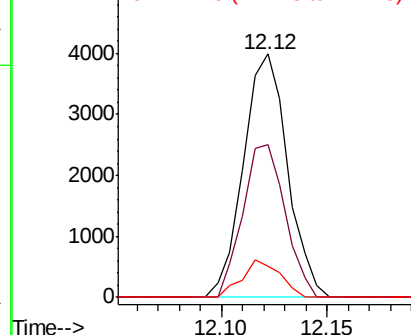
Tot Ion:	237	Resp:	5772
Ion Ratio	Lower	Upper	
237	100		
235	62.5	42.8	82.8
272	13.0	0.0	32.8

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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: 104.679 ng

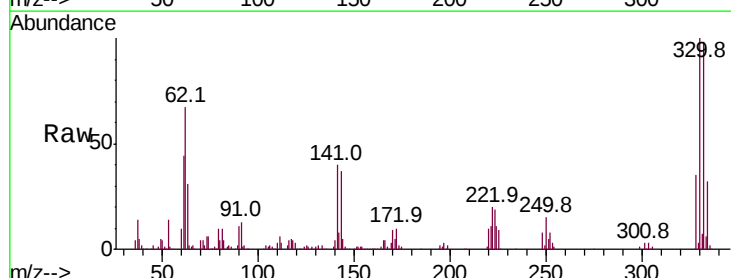
RT: 15.50 min Scan# 2144

Delta R.T. 0.00 min

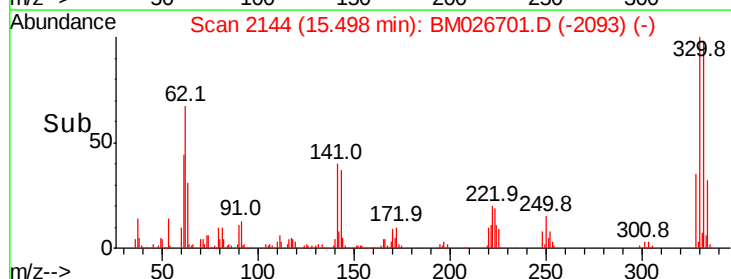
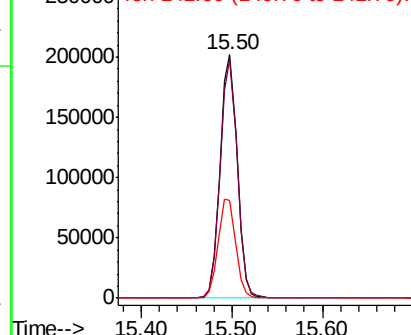
Lab File: BM026701.D

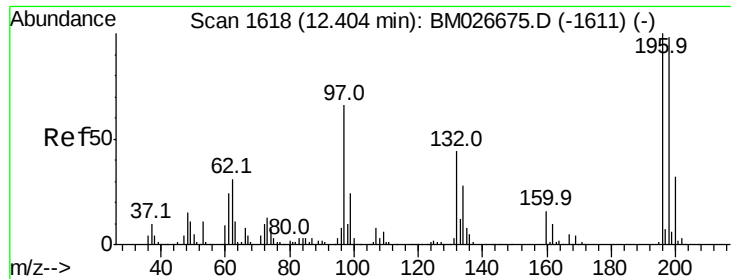
Acq: 08 Jul 2020 11:18

Tgt Ion:	330	Resp:	262581
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.5	116.3
141	42.2	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





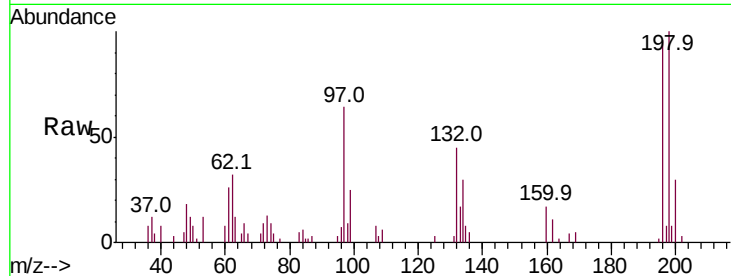
#43
 2,4,6-Trichlorophenol
 Concen: 3.144 ng
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
196	100		
198	103.7	78.6	118.0
200	30.9	25.3	37.9

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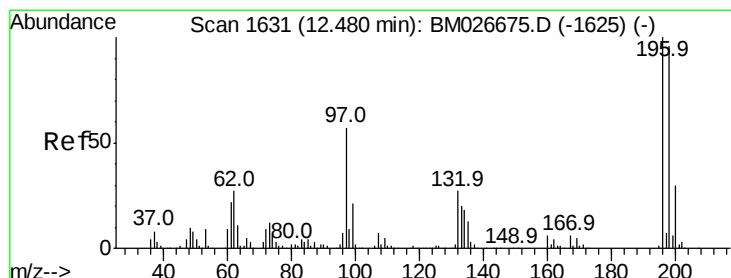
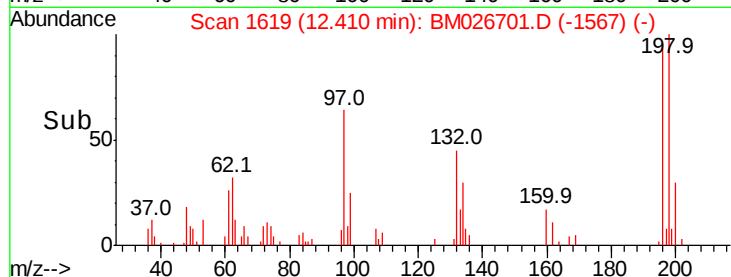
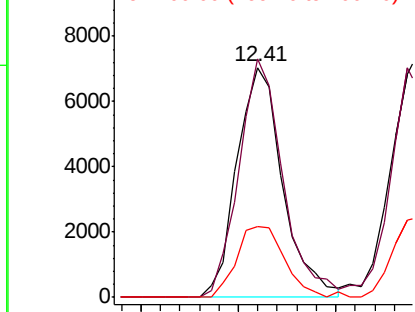


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 3.476 ng
 RT: 12.49 min Scan# 1633
 Delta R.T. 0.02 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	85.5	77.0	115.6
97	54.3	45.7	68.5
132	23.8	21.8	32.6

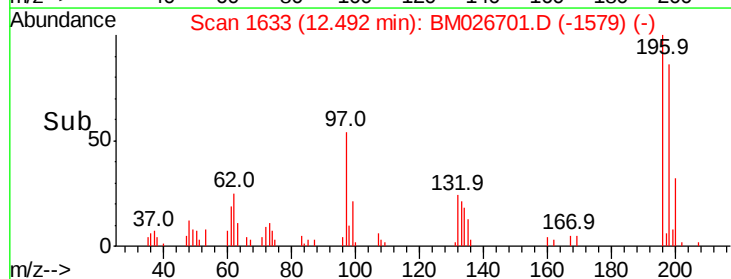
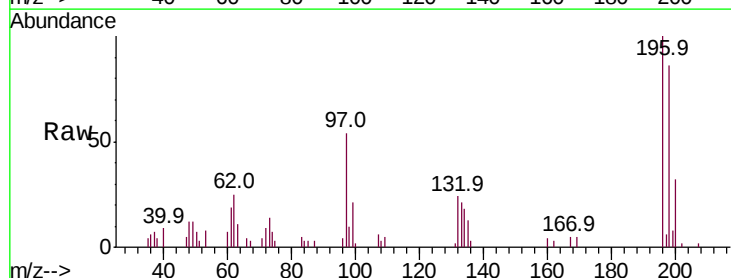
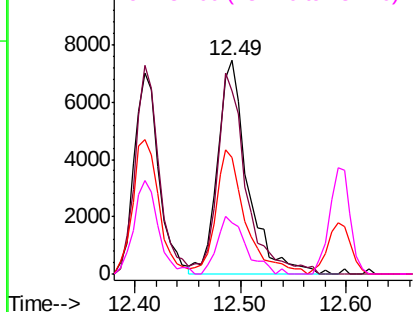
Abundance

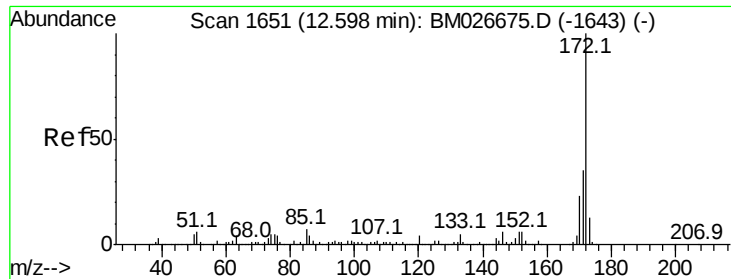
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E





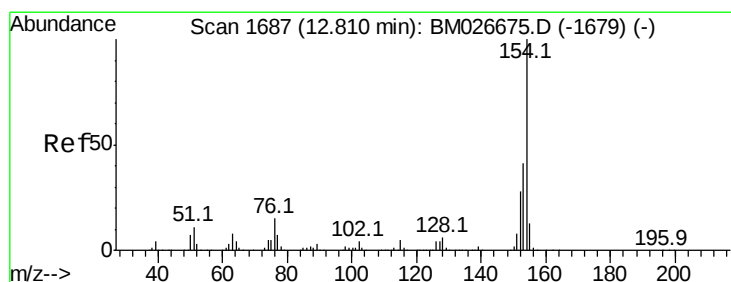
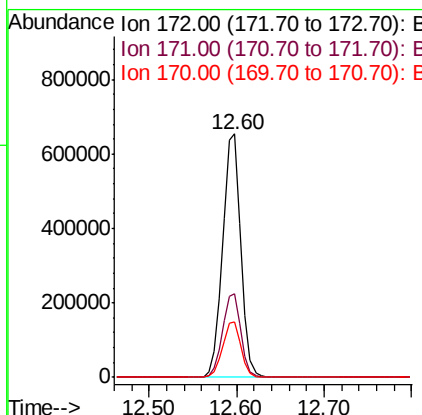
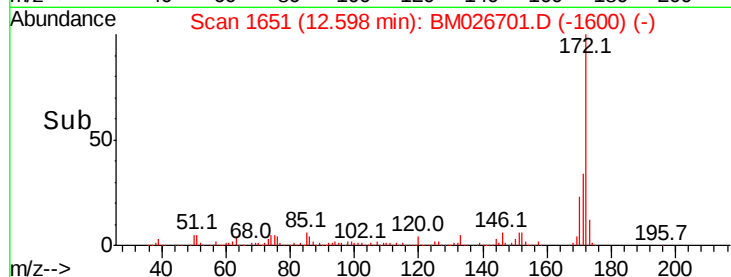
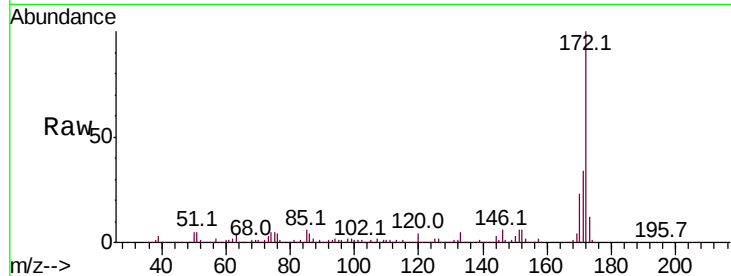
#45
2-Fluorobiphenyl
Concen: 72.613 ng
RT: 12.60 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
172	100	940415		
171	34.3		27.8	41.6
170	22.6		18.5	27.7

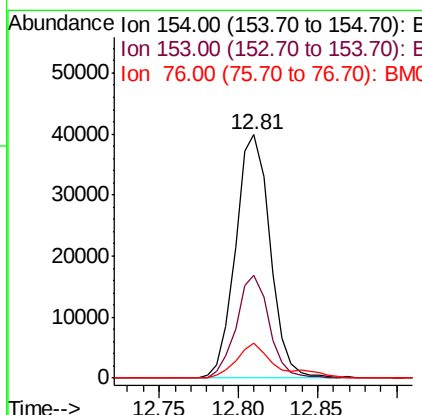
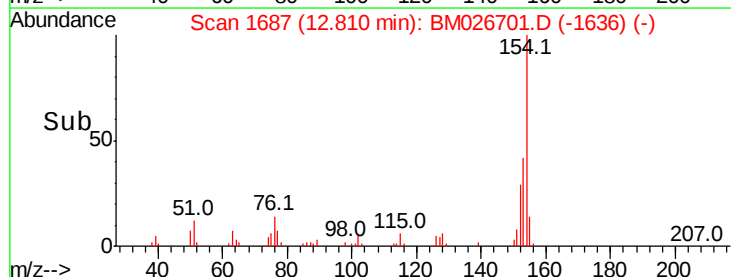
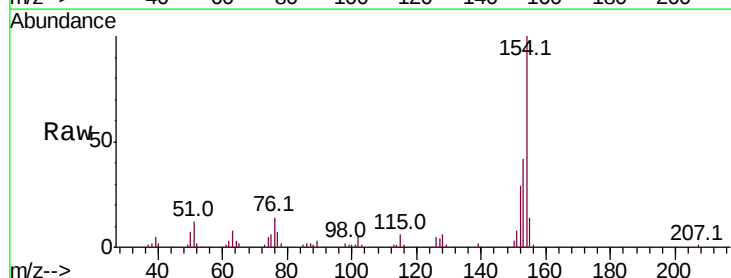
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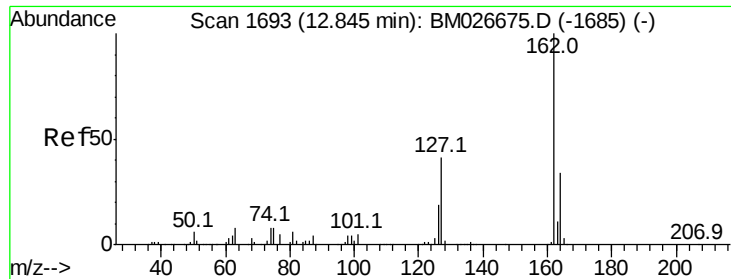
mohammad
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#46
1,1'-Biphenyl
Concen: 4.443 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	60433		
153	42.1		20.9	60.9
76	14.3		0.0	35.2





#47

2-Chloronaphthalene

Concen: 3.977 ng

RT: 12.84 min Scan# 1692

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

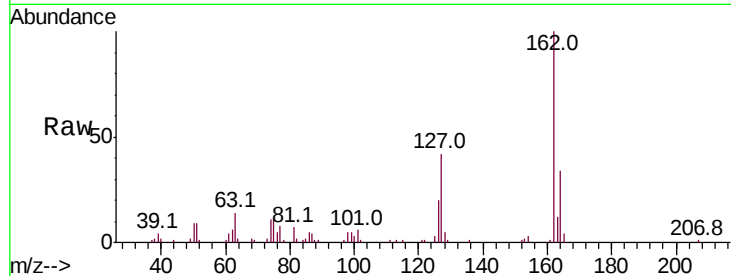
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	162	Resp:	43695
Ion Ratio	Lower	Upper	
162	100		
127	42.1	34.0	51.0
164	33.7	26.9	40.3

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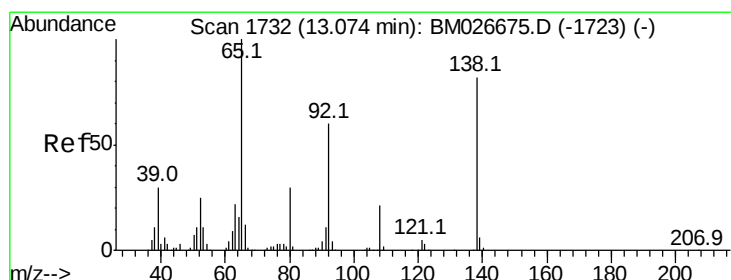
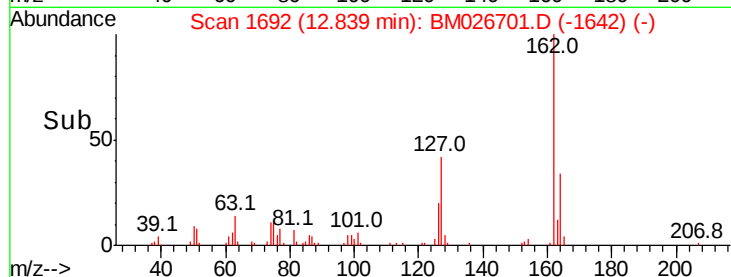
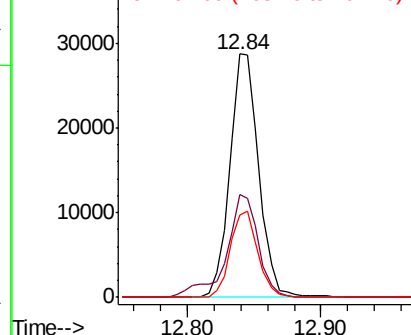


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 3.107 ng

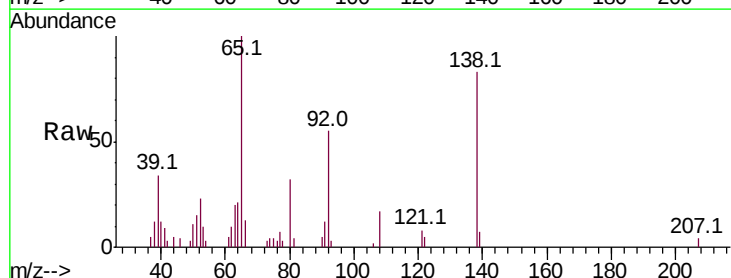
RT: 13.07 min Scan# 1732

Delta R.T. 0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	65	Resp:	14050
Ion Ratio	Lower	Upper	
65	100		
92	55.3	47.8	71.8
138	82.9	65.6	98.4

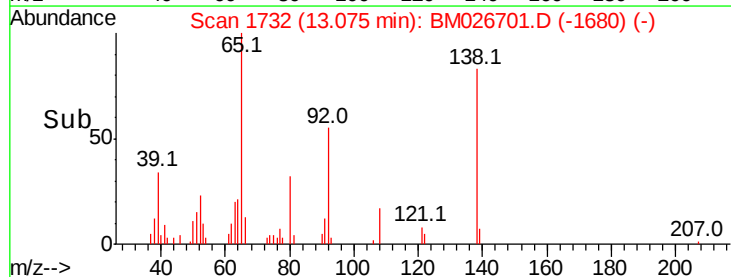
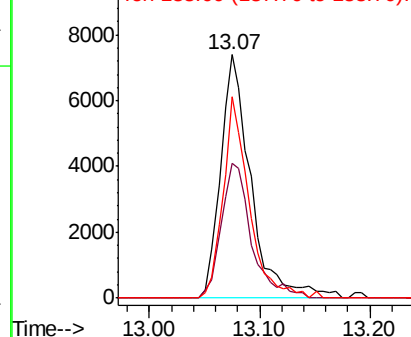


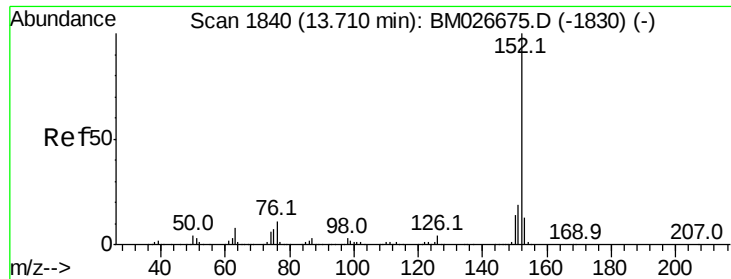
Abundance

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 3.920 ng

RT: 13.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

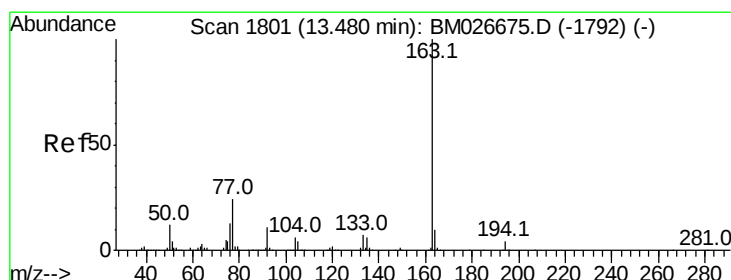
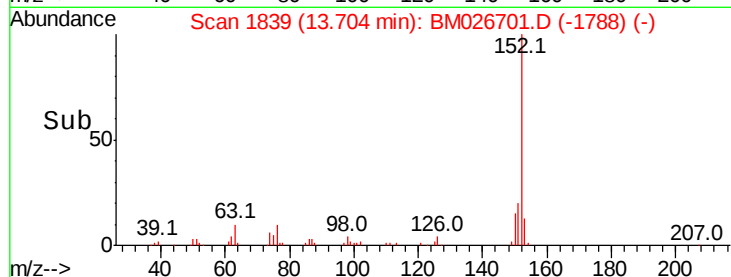
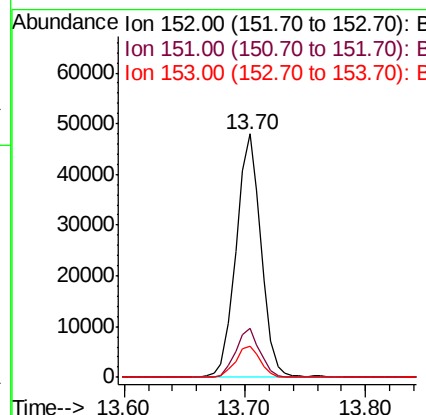
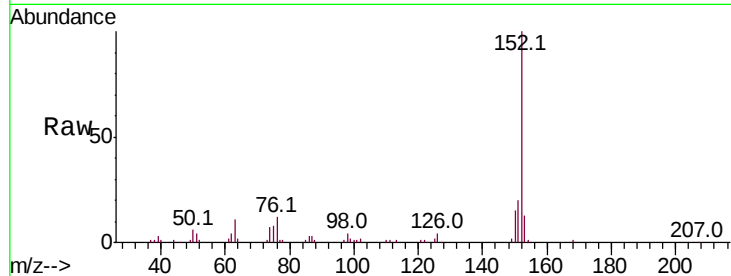
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	68867
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.6	23.4
153	12.8	10.4	15.6

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#50

Dimethylphthalate

Concen: 4.073 ng

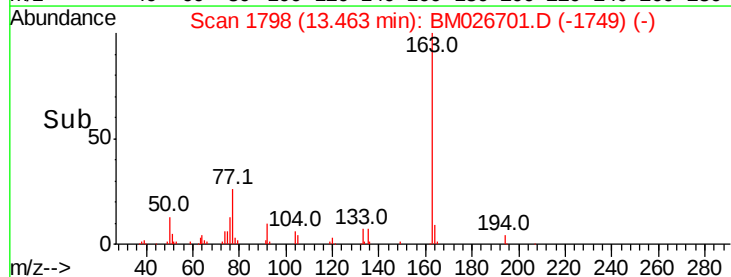
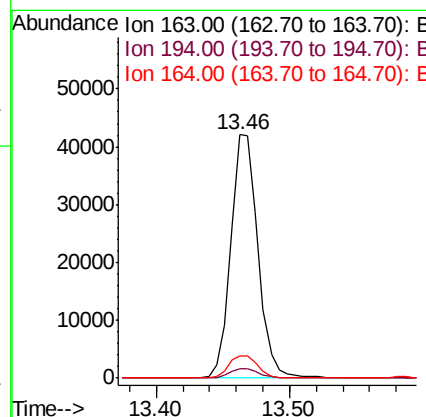
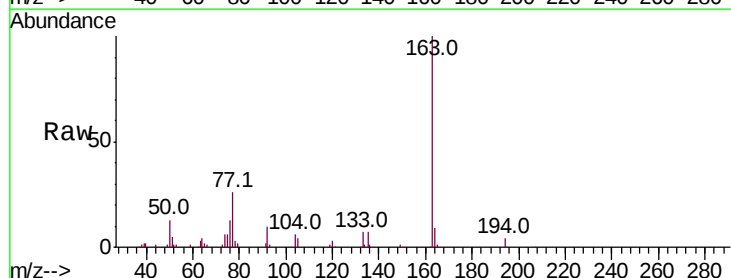
RT: 13.46 min Scan# 1798

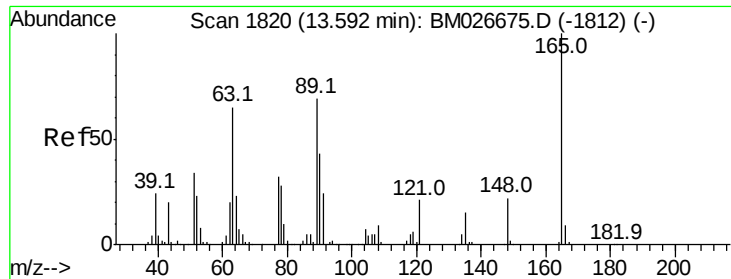
Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	163	Resp:	59992
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.2
164	9.4	7.8	11.6





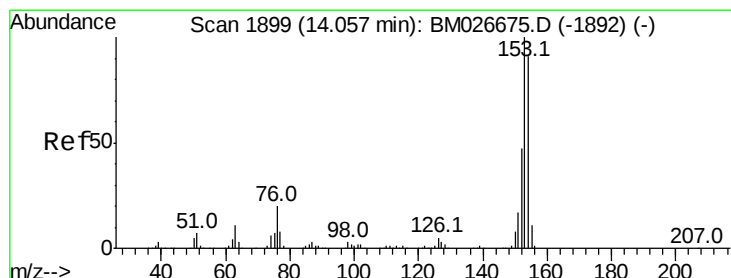
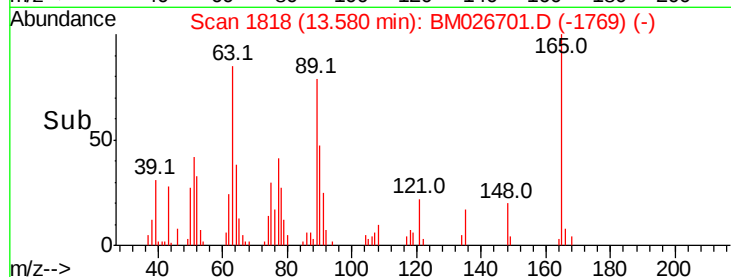
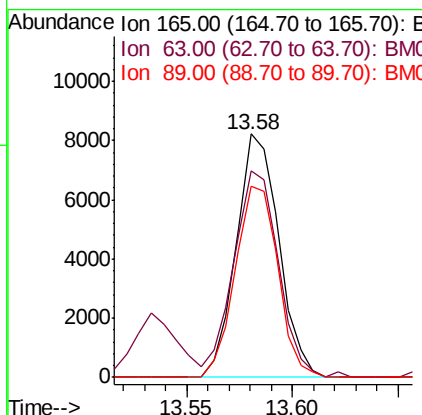
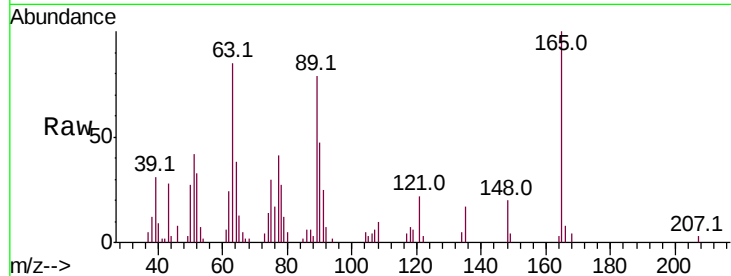
#51
2,6-Dinitrotoluene
Concen: 3.642 ng
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	11486		
63	84.6	61.1	91.7	
89	78.5	54.9	82.3	

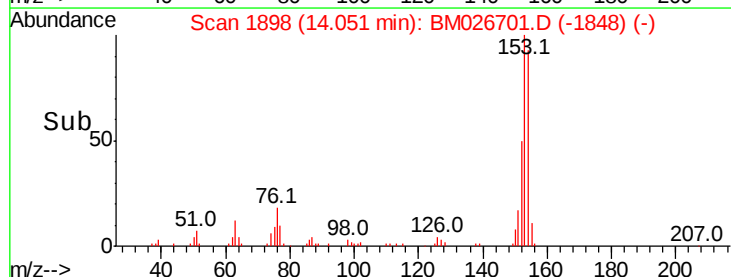
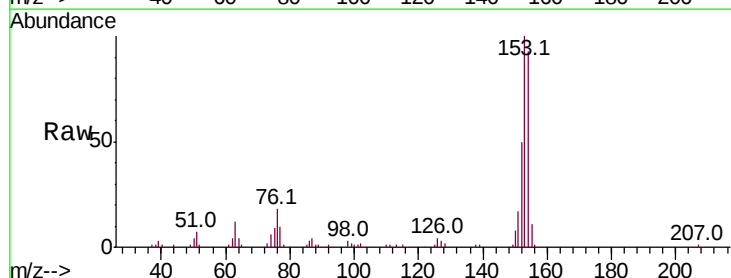
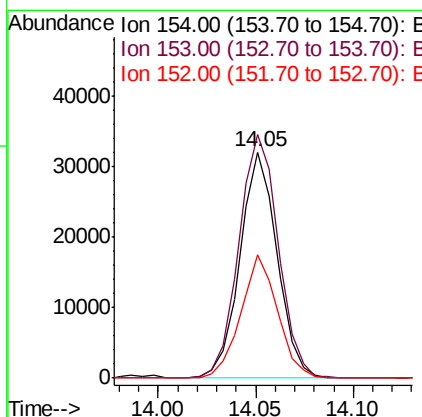
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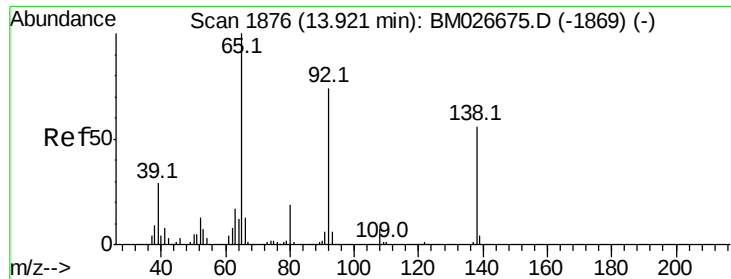
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#52
Acenaphthene
Concen: 3.959 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42263		
153	107.8	88.3	132.5	
152	54.3	41.1	61.7	





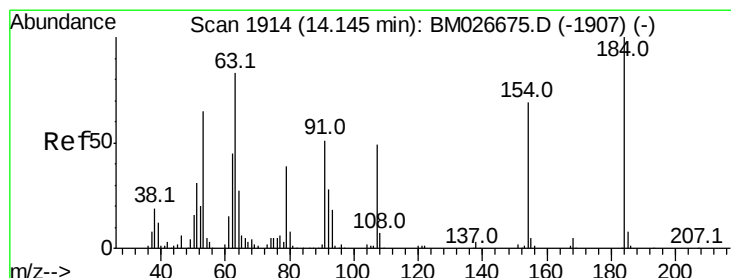
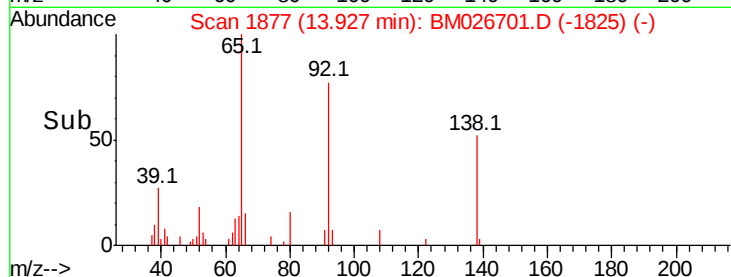
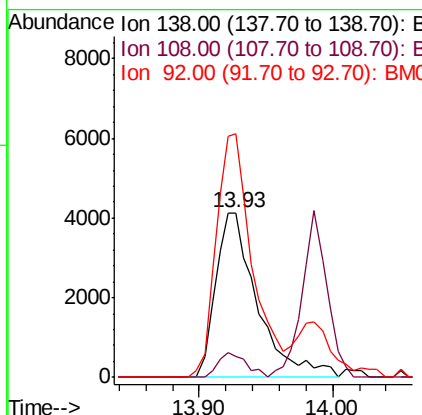
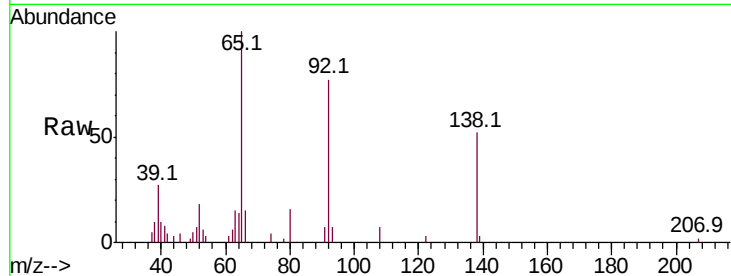
#53
3-Nitroaniline
Concen: 2.738 ng
RT: 13.93 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.7	9.7	14.5
92	147.8	105.6	158.4

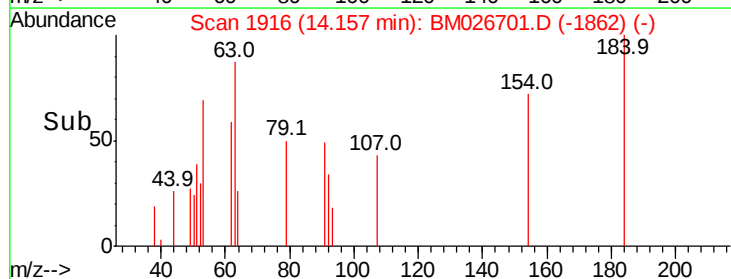
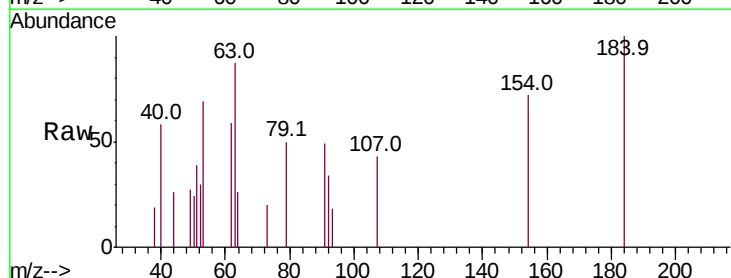
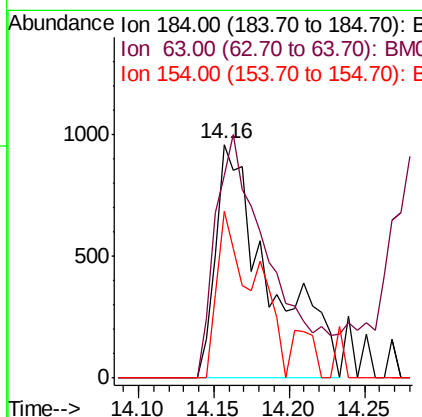
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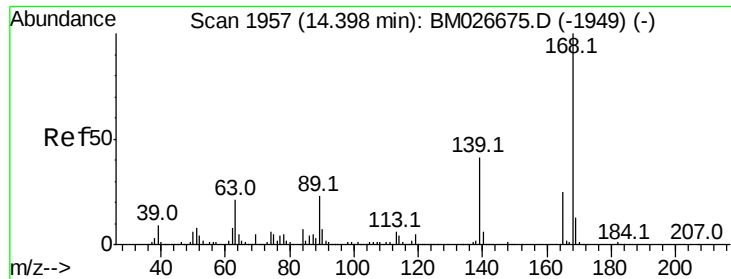
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#54
2,4-Dinitrophenol
Concen: 1.275 ng m
RT: 14.16 min Scan# 1916
Delta R.T. 0.02 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
184	100		
63	86.7	66.2	99.4
154	71.7	55.2	82.8





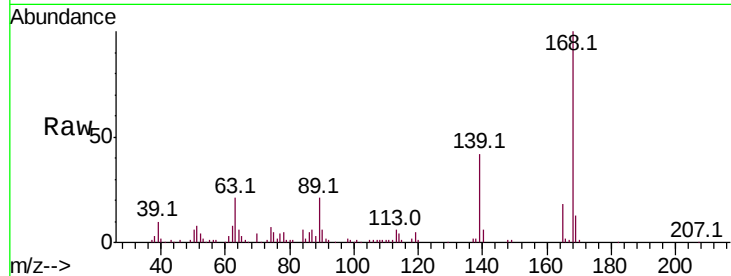
#55
Dibenzofuran
Concen: 4.056 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.1	32.6	48.8
169	12.8	10.5	15.7

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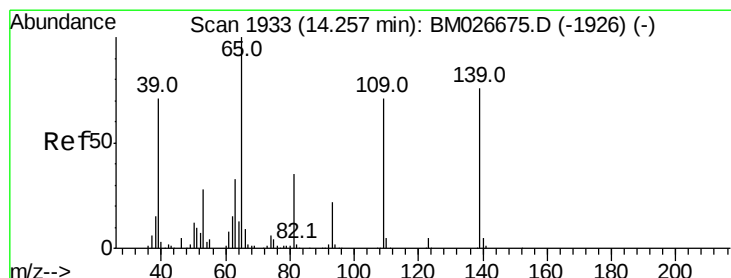
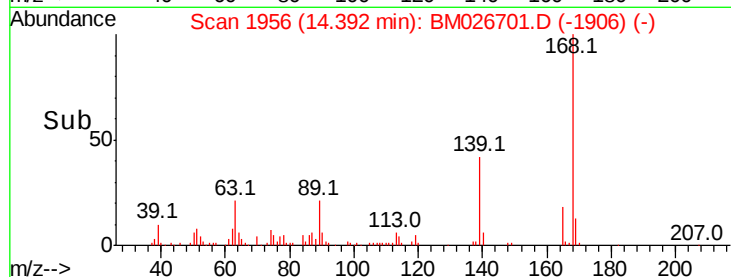
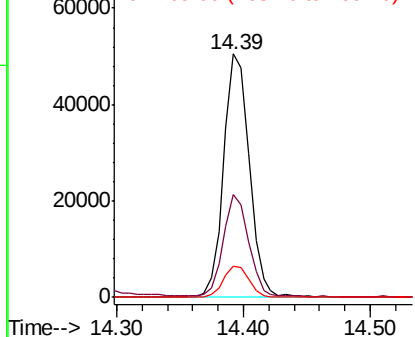


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 1.774 ng
RT: 14.28 min Scan# 1937
Delta R.T. 0.02 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

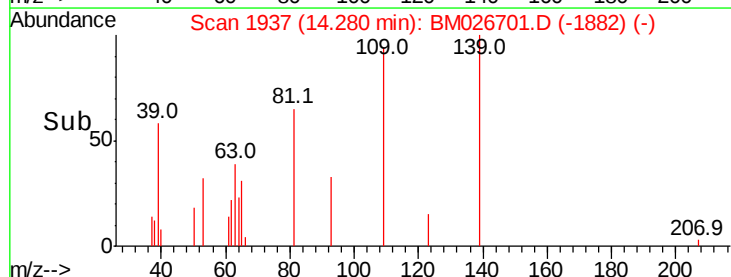
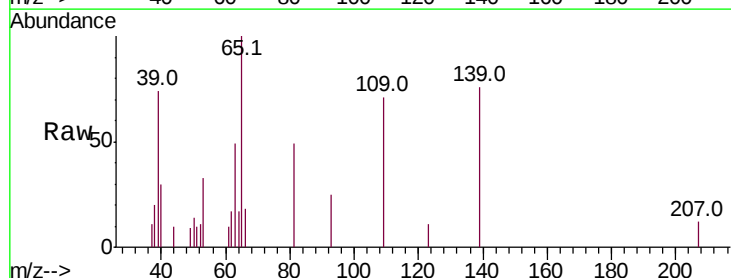
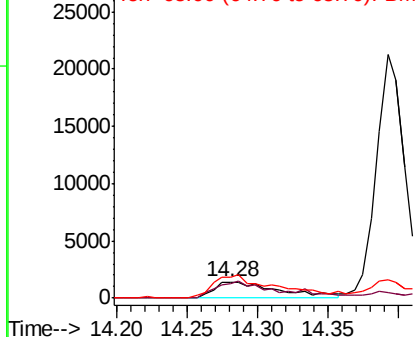
Tgt Ion	Ratio	Lower	Upper
139	100		
109	93.9	73.7	113.7
65	131.6	111.5	151.5

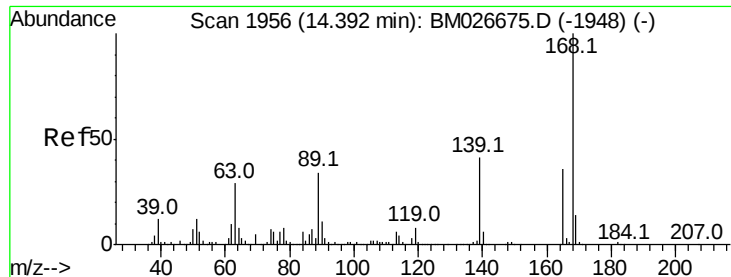
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM0





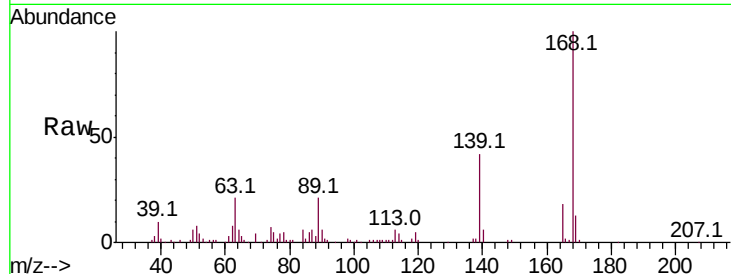
#57
 2,4-Dinitrotoluene
 Concen: 3.125 ng
 RT: 14.39 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	116.4	64.6	97.0#
89	119.0	75.4	113.2#
182	2.6	2.2	3.4

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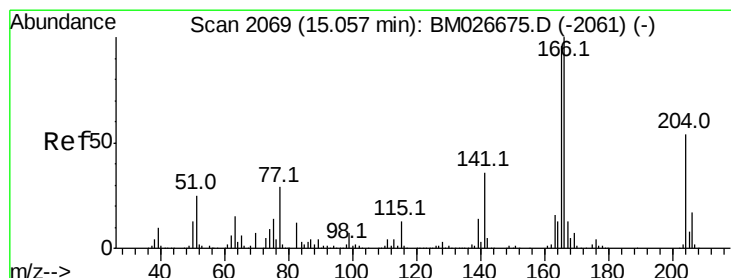
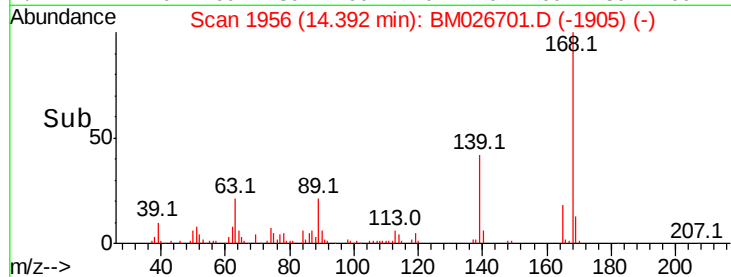
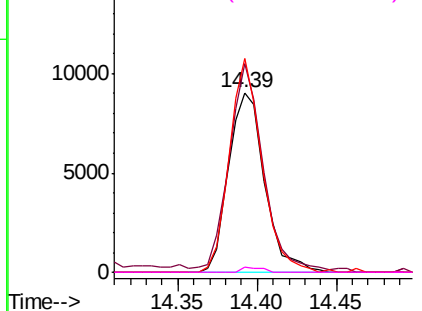
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 3.962 ng
 RT: 15.05 min Scan# 2068
 Delta R.T. 0.00 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

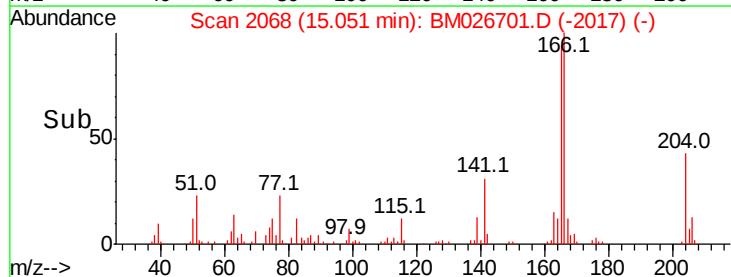
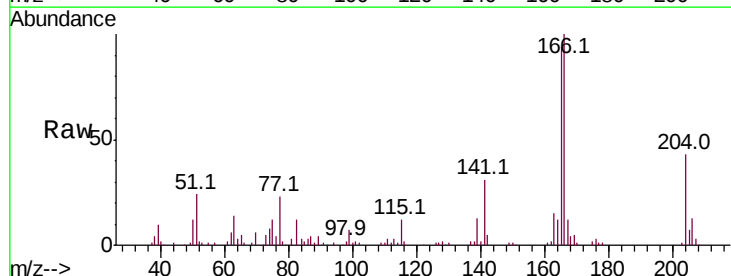
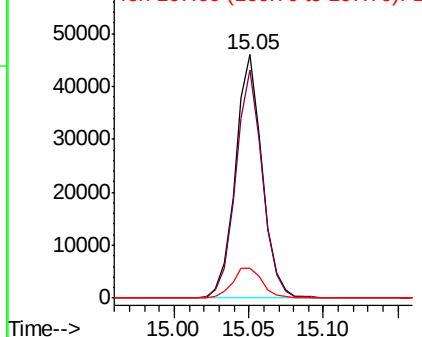
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.9	77.1	115.7
167	12.4	10.8	16.2

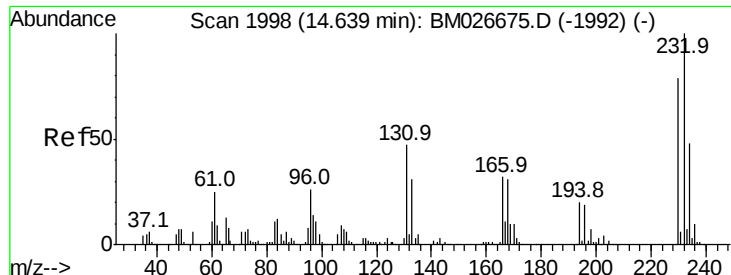
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





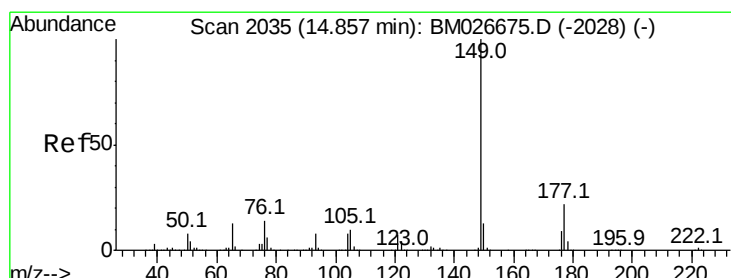
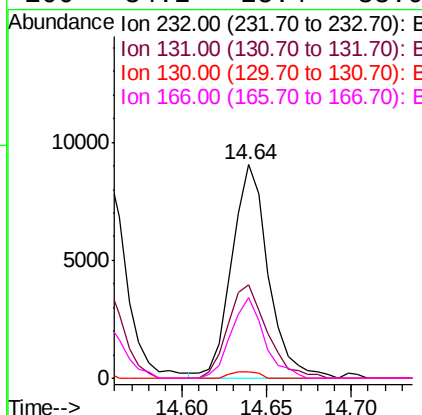
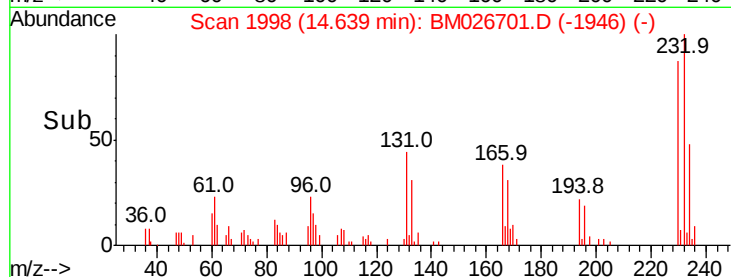
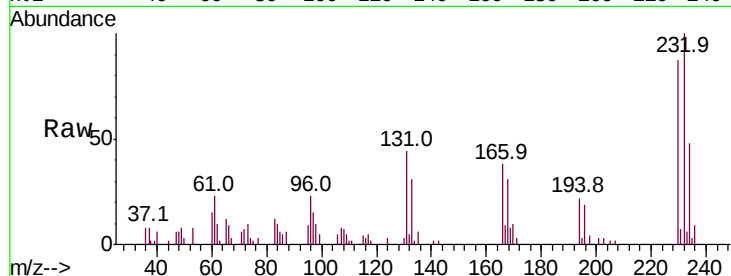
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.656 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.5	38.4	57.6
130	2.3	2.2	3.2
166	34.2	25.4	38.0

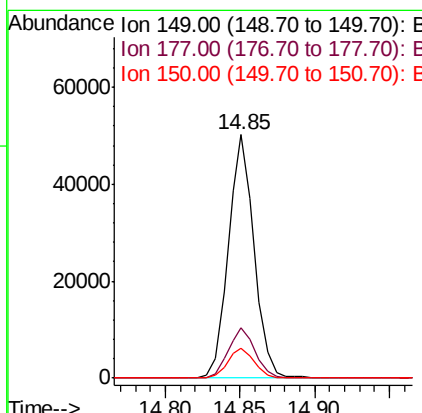
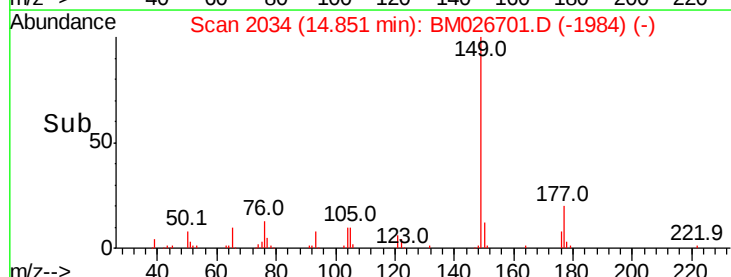
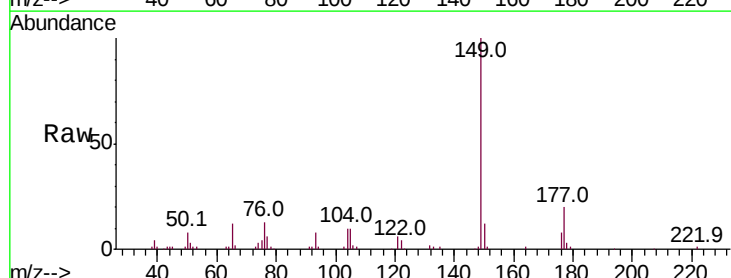
Manual Integrations
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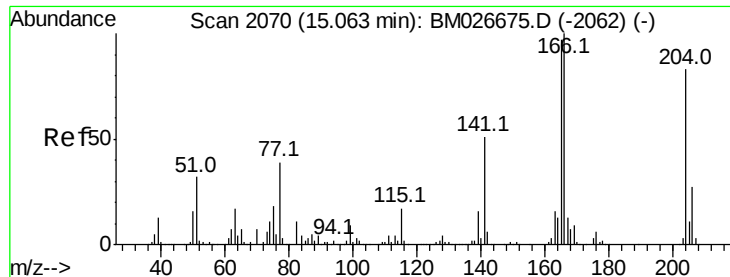
mohammad
 7/9/2020 10:59:40 AM



#60
 Diethylphthalate
 Concen: 3.905 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.5	17.8	26.6
150	12.4	10.2	15.4





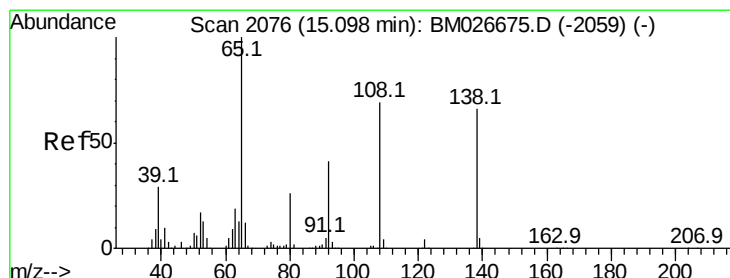
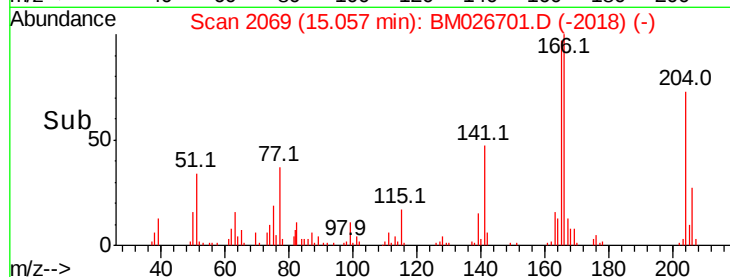
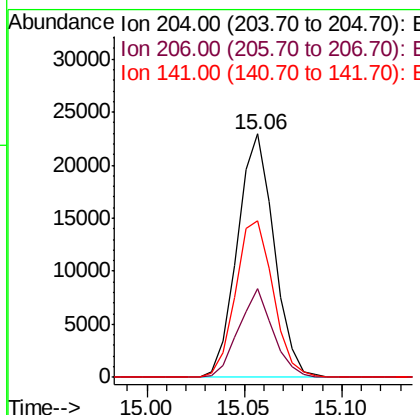
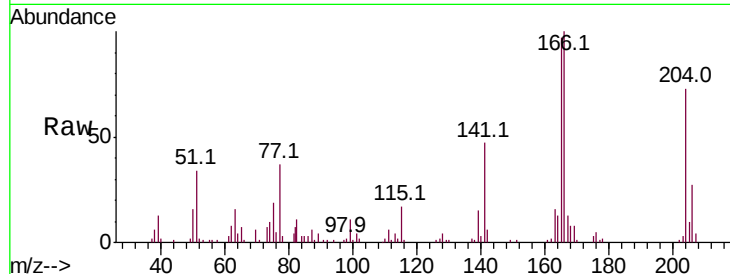
#61
4-Chlorophenyl-phenylether
Concen: 3.818 ng
RT: 15.06 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	36.6	25.9	38.9
141	64.5	49.5	74.3

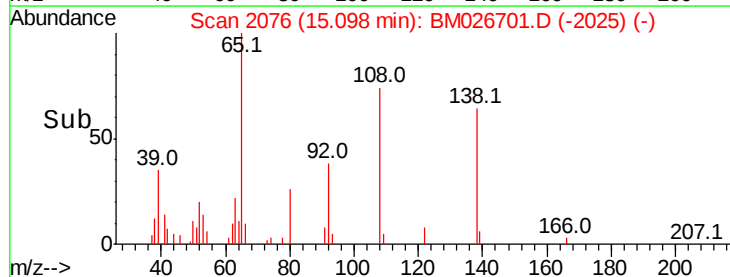
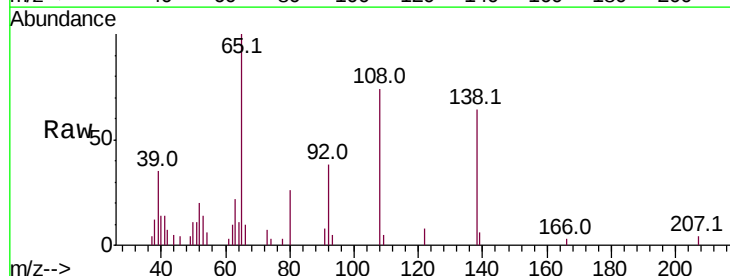
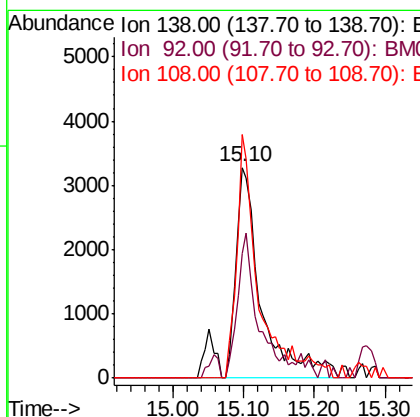
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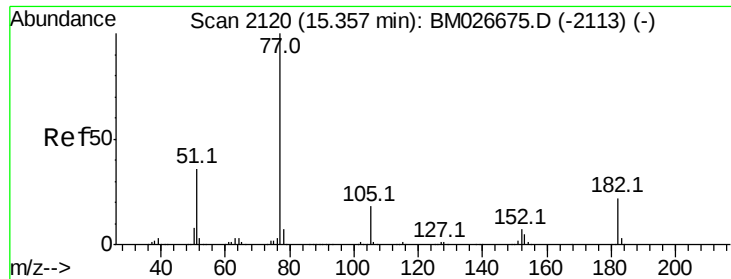
mohammad
7/9/2020 10:59:40 AM



#62
4-Nitroaniline
Concen: 2.589 ng m
RT: 15.10 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
138	100		
92	59.0	41.5	81.5
108	115.5	84.8	124.8





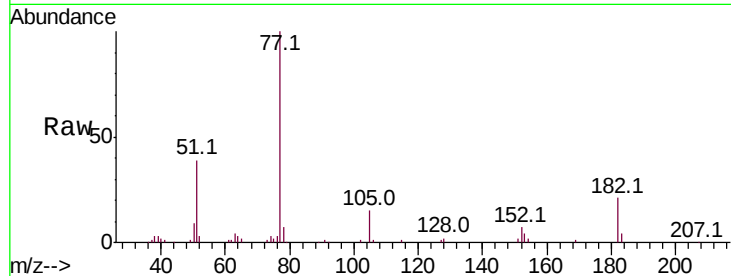
#63
Azobenzene
Concen: 3.817 ng
RT: 15.35 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
77	100	65289		
182	20.5	1.6	41.6	
105	15.2	0.0	37.8	
51	38.6	16.5	56.5	

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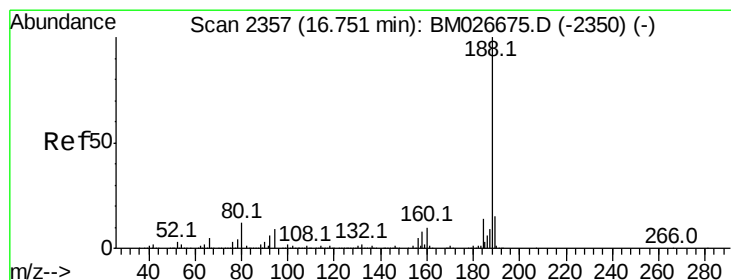
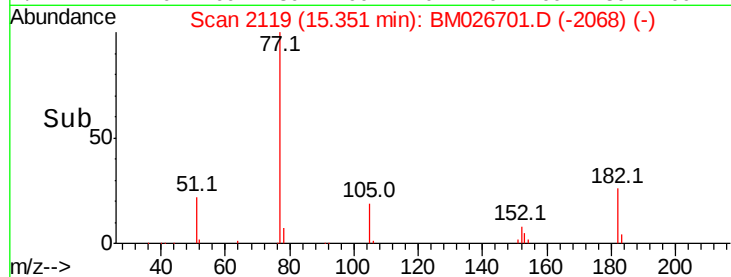
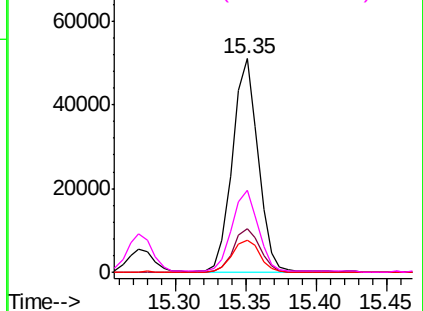


Abundance Ion 77.00 (76.70 to 77.70): BM026675.D (-2113) (-)

Ion 182.00 (181.70 to 182.70): BM026675.D (-2113) (-)

Ion 105.00 (104.70 to 105.70): BM026675.D (-2113) (-)

Ion 51.00 (50.70 to 51.70): BM026675.D (-2113) (-)



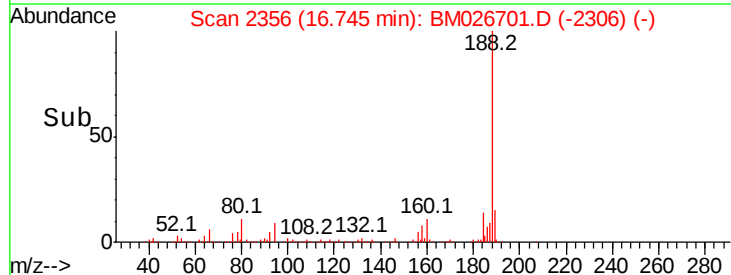
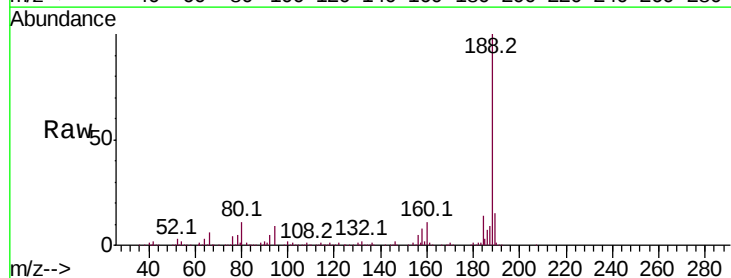
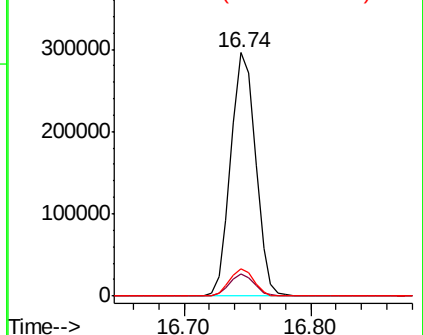
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

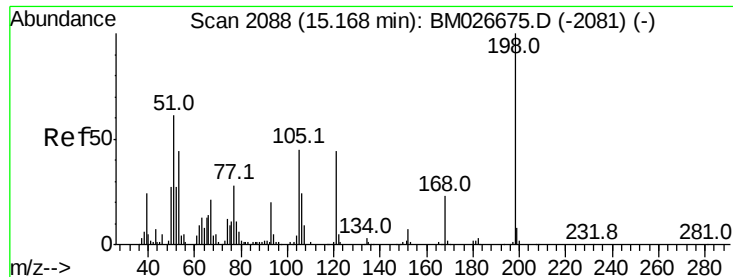
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	402271		
94	9.0	7.4	11.0	
80	11.2	9.3	13.9	

Abundance Ion 188.00 (187.70 to 188.70): BM026675.D (-2350) (-)

Ion 94.00 (93.70 to 94.70): BM026675.D (-2350) (-)

Ion 80.00 (79.70 to 80.70): BM026675.D (-2350) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 2.085 ng

RT: 15.17 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

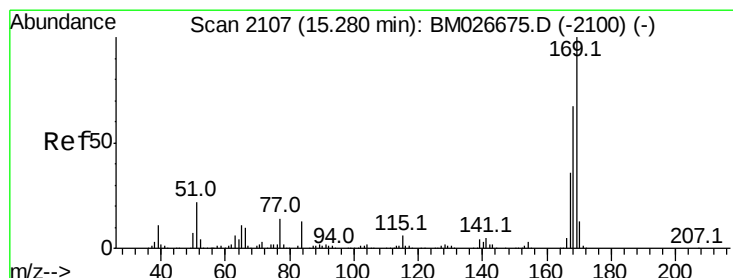
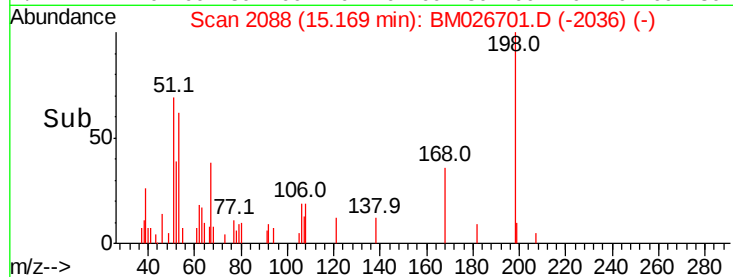
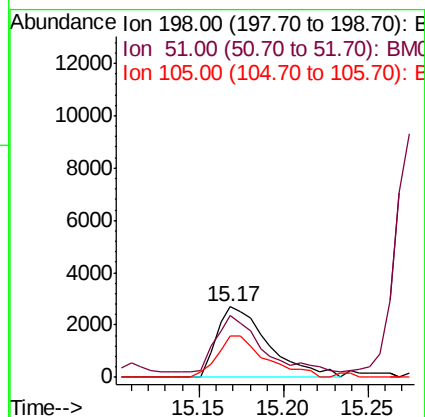
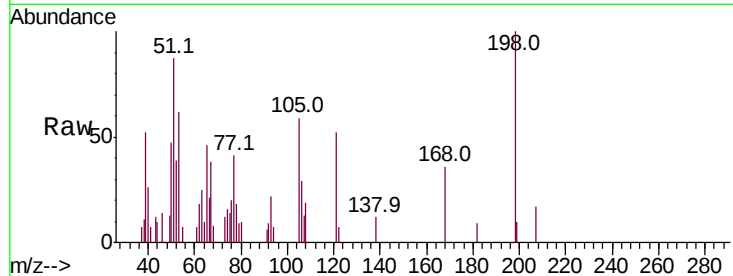
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	198	Resp:	5702
Ion Ratio	Lower	Upper	
198	100		
51	87.3	42.0	82.0#
105	58.7	24.9	64.9

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#66

n-Nitrosodiphenylamine

Concen: 3.818 ng

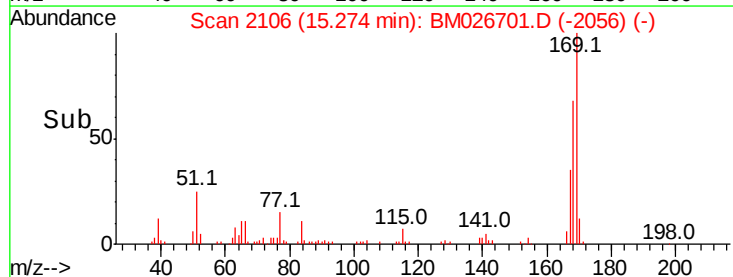
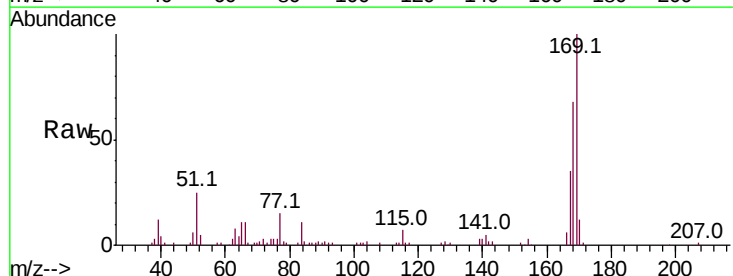
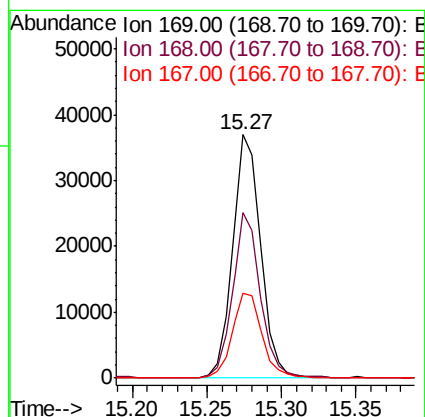
RT: 15.27 min Scan# 2106

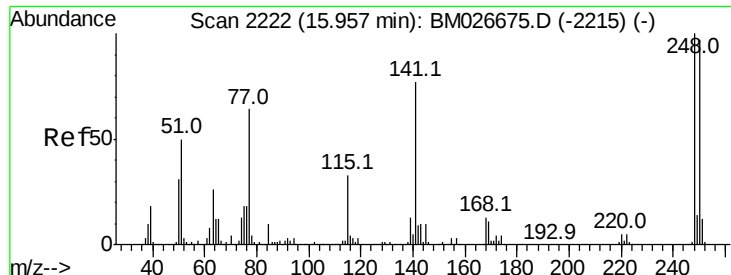
Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	169	Resp:	48812
Ion Ratio	Lower	Upper	
169	100		
168	67.8	53.8	80.8
167	34.8	28.6	43.0





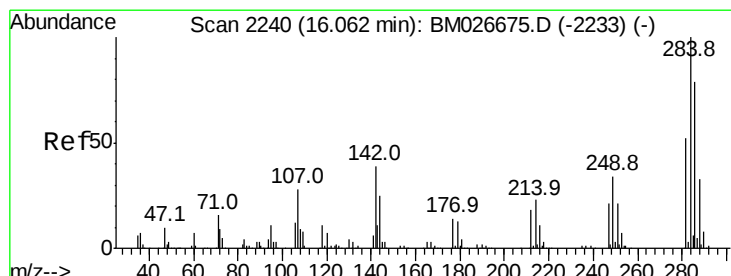
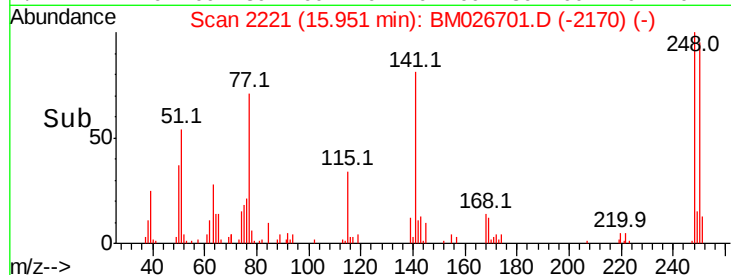
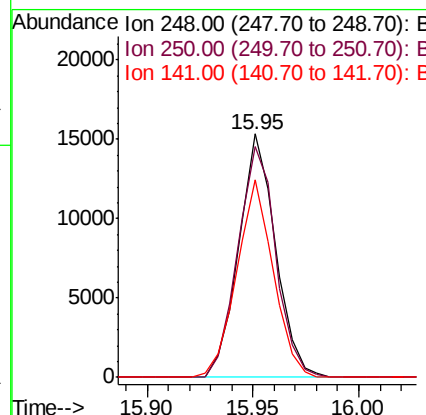
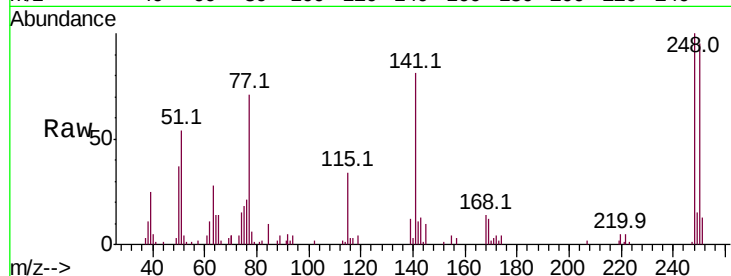
#67
 4-Bromophenyl-phenylether
 Concen: 3.685 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	94.6	77.4	116.2
141	80.9	61.9	92.9

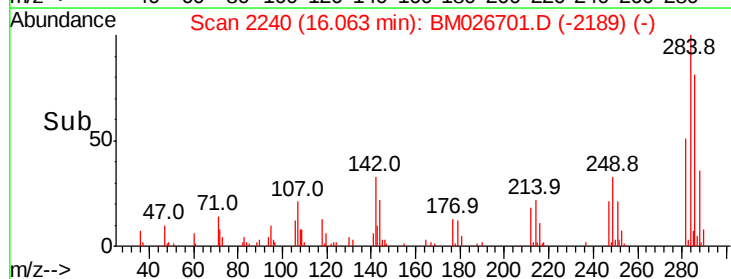
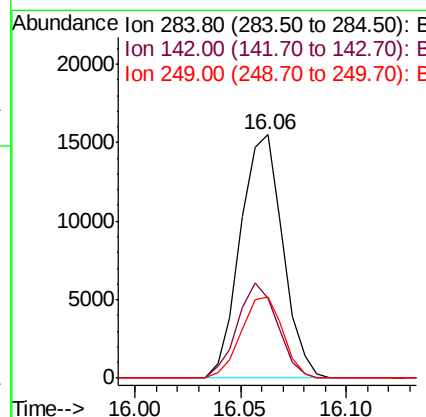
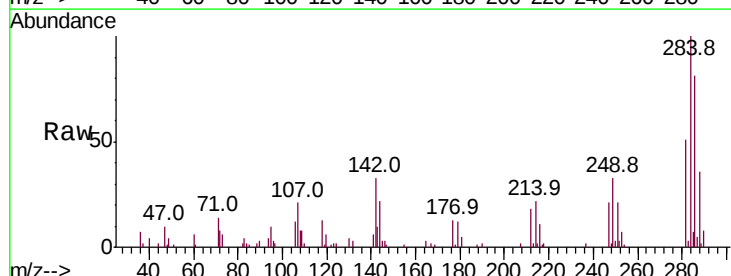
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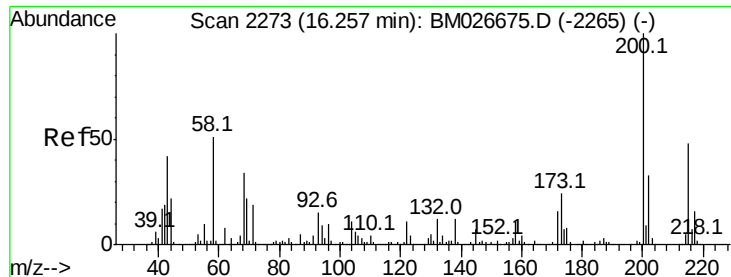
mohammad
 7/9/2020 10:59:40 AM



#68
 Hexachlorobenzene
 Concen: 4.099 ng
 RT: 16.06 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.0	31.1	46.7
249	33.2	27.4	41.0





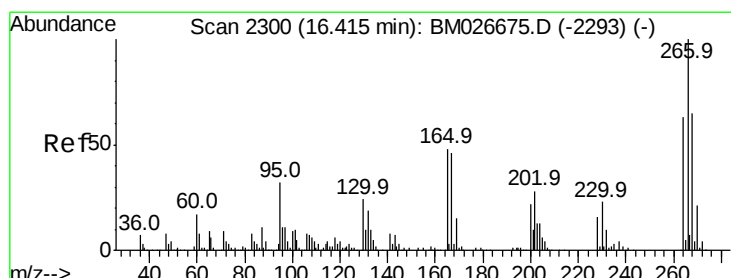
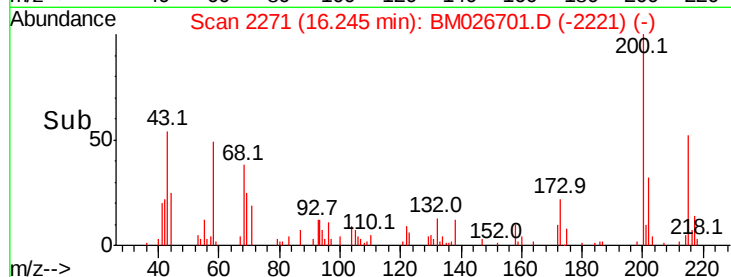
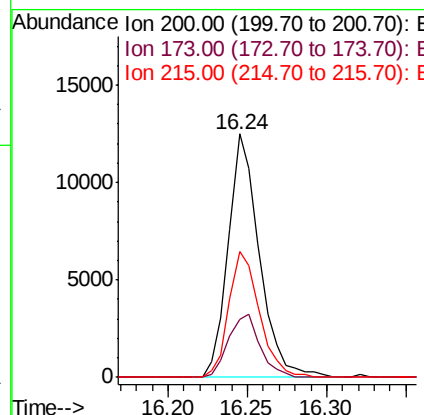
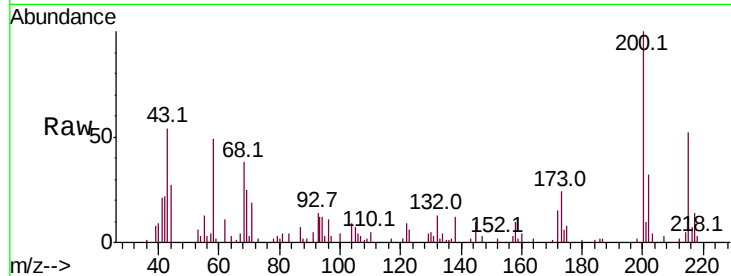
#69
Atrazine
Concen: 4.423 ng
RT: 16.24 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	23.9	4.5	44.5
215	51.6	28.4	68.4

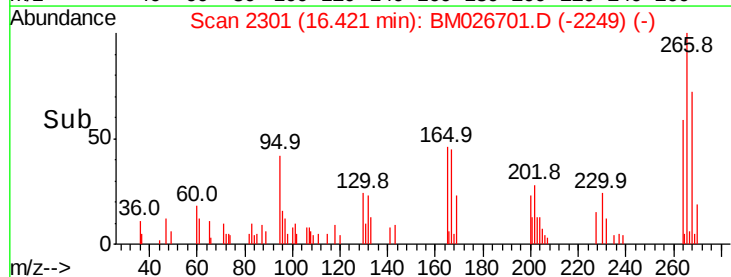
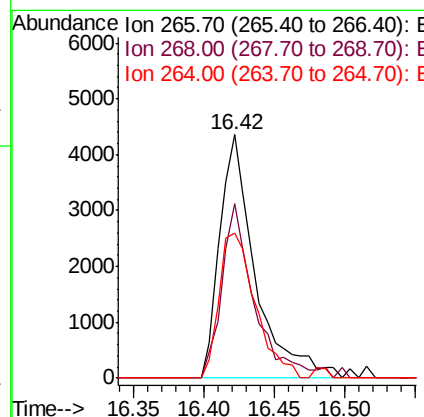
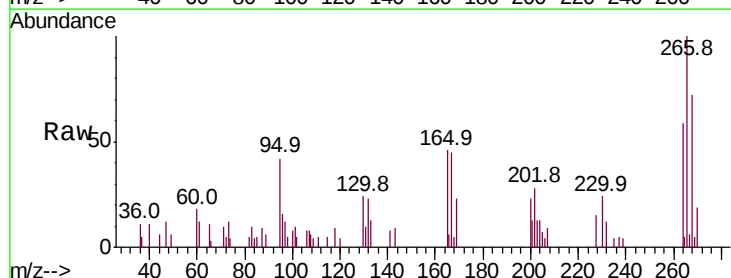
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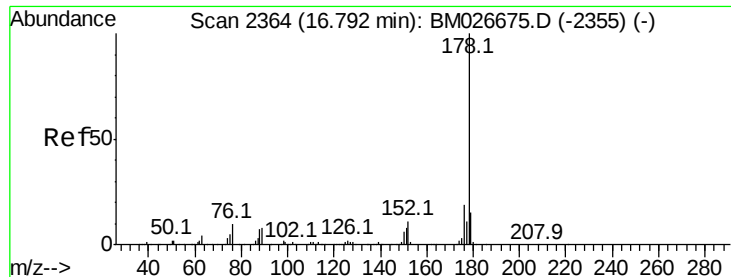
mohammad
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#70
Pentachlorophenol
Concen: 2.562 ng
RT: 16.42 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
266	100		
268	71.8	51.8	77.6
264	59.4	50.1	75.1





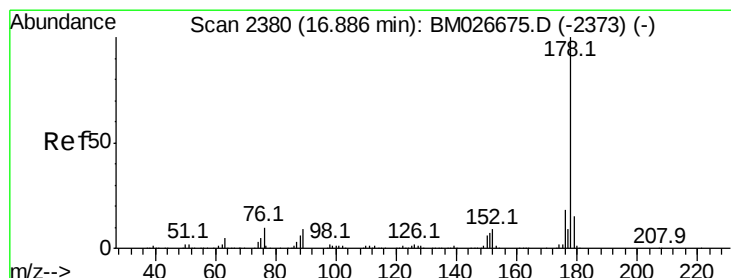
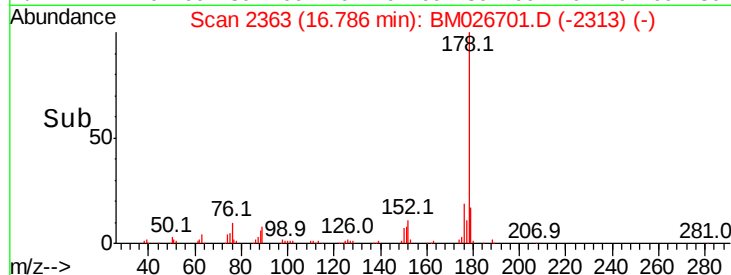
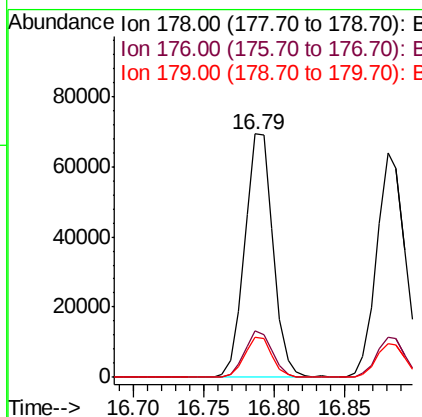
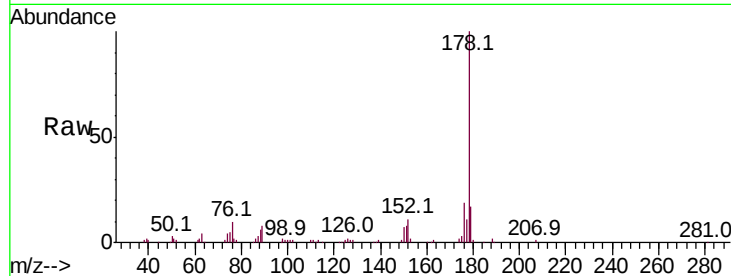
#71
Phenanthrene
Concen: 4.108 ng
RT: 16.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	16.6	12.1	18.1

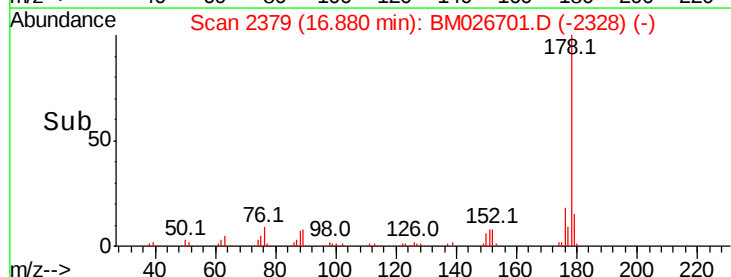
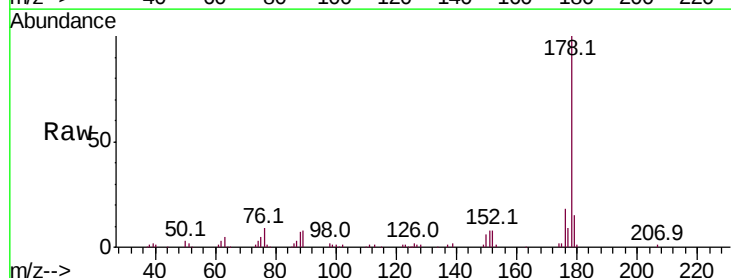
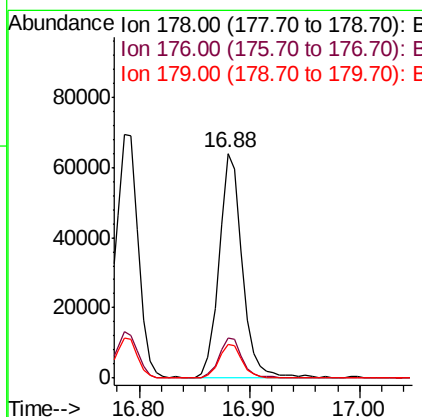
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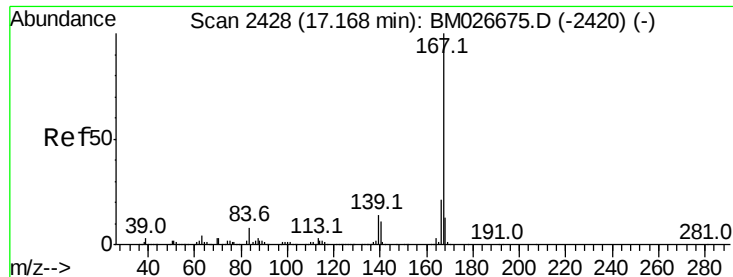
mohammad
7/9/2020 10:59:40 AM



#72
Anthracene
Concen: 3.914 ng
RT: 16.88 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	14.9	12.1	18.1





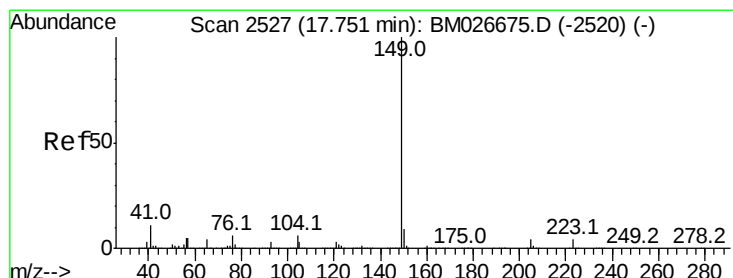
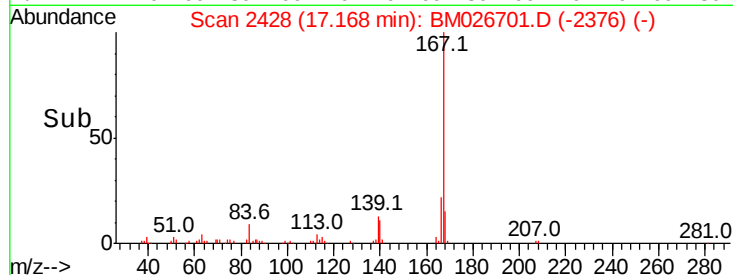
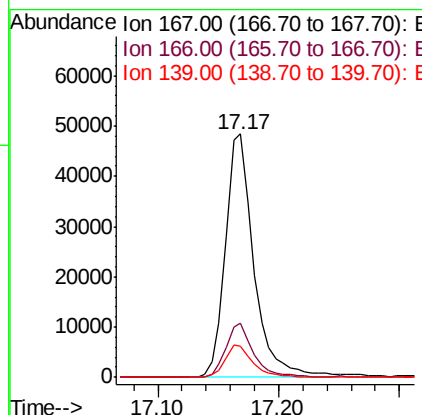
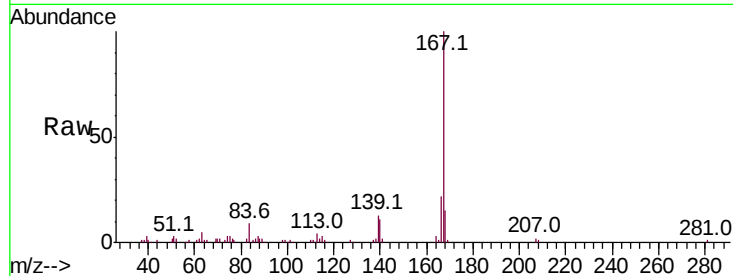
#73
 Carbazole
 Concen: 3.512 ng
 RT: 17.17 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:	167	Resp:	79160
Ion Ratio	Lower	Upper	
167	100		
166	22.2	16.9	25.3
139	12.6	10.8	16.2

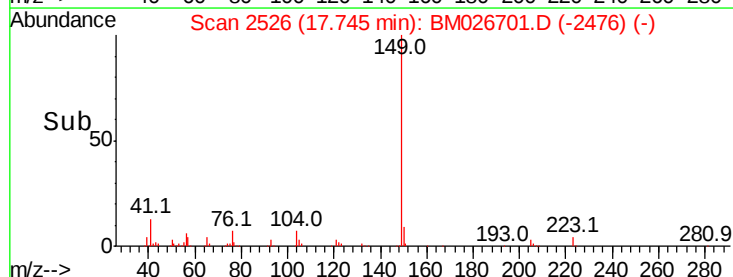
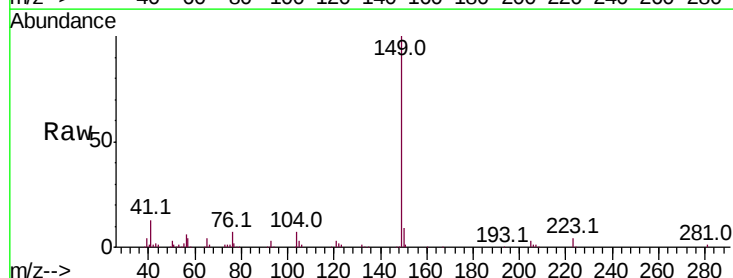
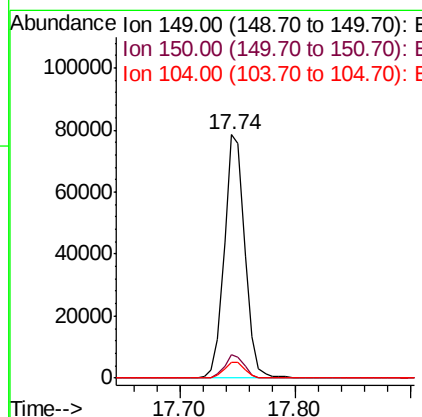
Manual Integrations
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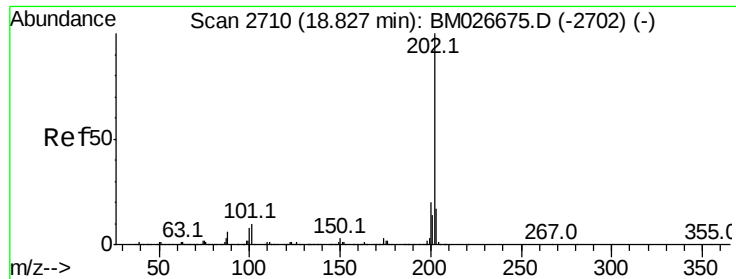
mohammad
 7/9/2020 10:59:40 AM



#74
 Di-n-butylphthalate
 Concen: 3.401 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion:	149	Resp:	96396
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.3	10.9
104	6.7	5.0	7.4





#75

Fluoranthene

Concen: 4.006 ng

RT: 18.82 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

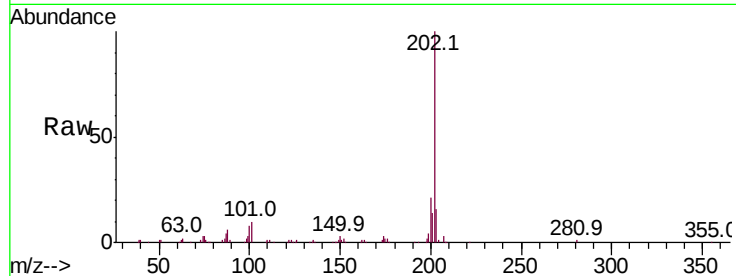
ClientSampleId :

LOQ-SOIL-02-QT3-2020

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

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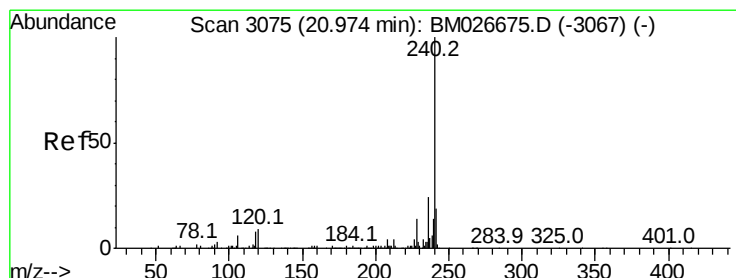
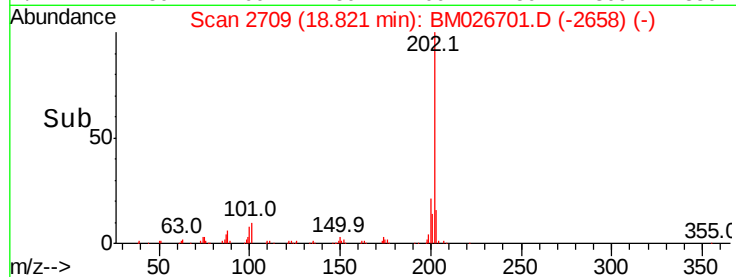
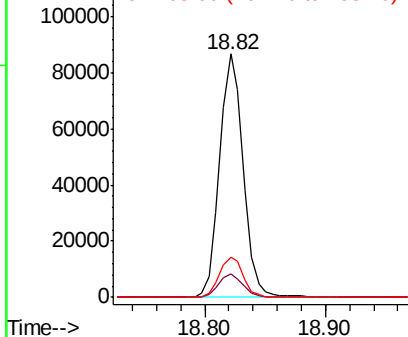


Abundance

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: BM026701.D

Acq: 08 Jul 2020 11:18

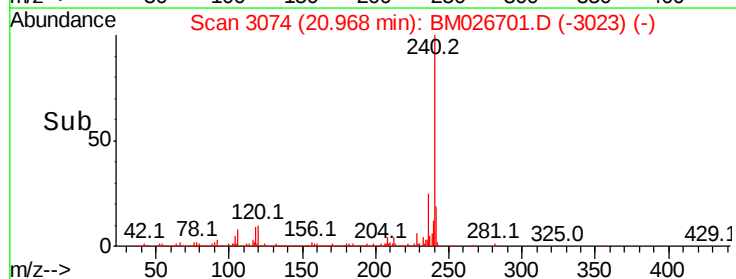
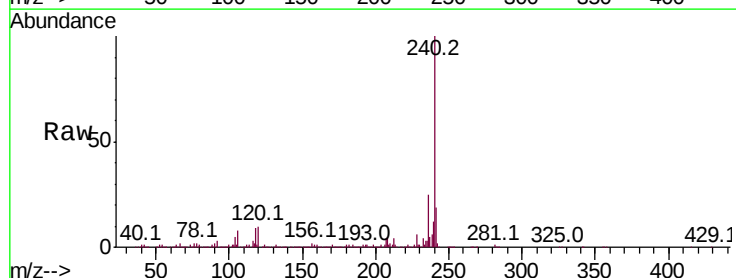
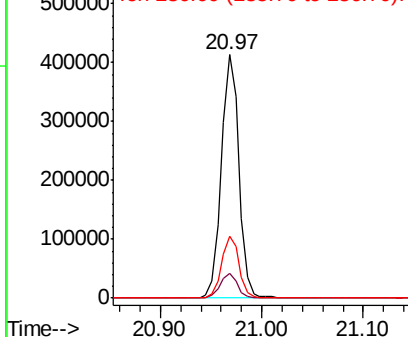
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	7.3	10.9
236	25.5	19.4	29.2

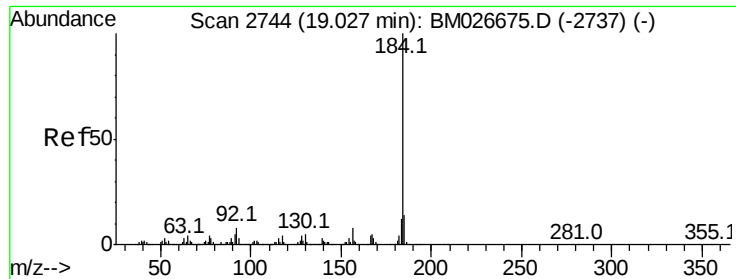
Abundance

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: 3.413 ng

RT: 19.03 min Scan# 2745

Delta R.T. 0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

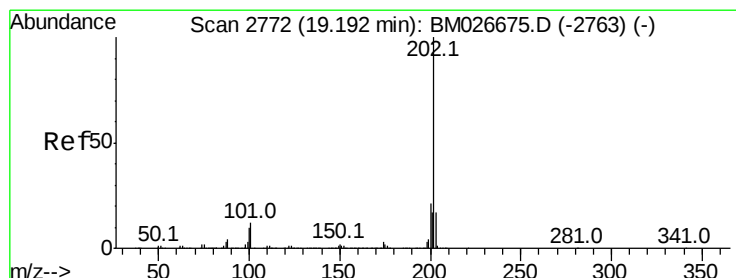
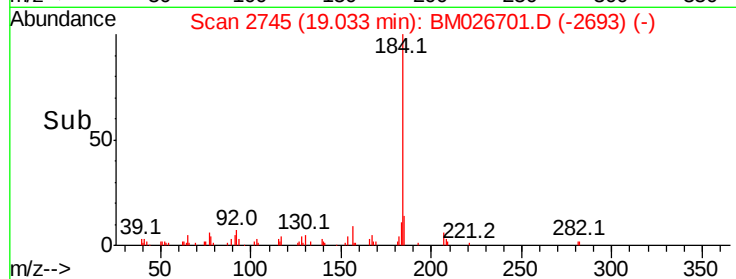
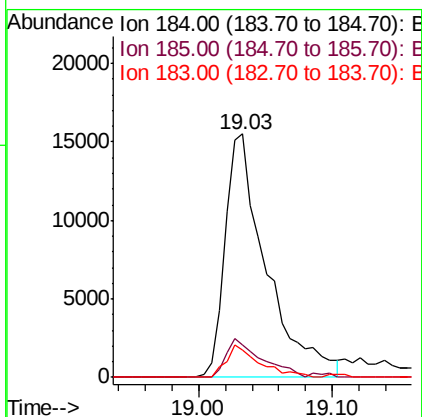
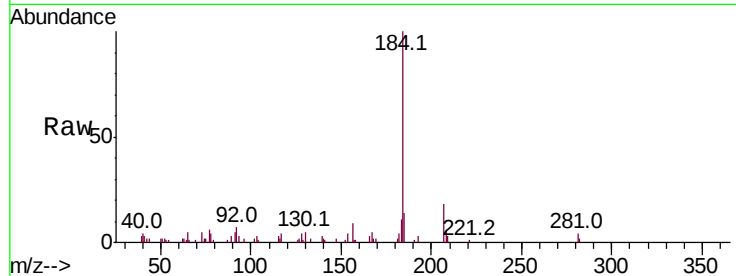
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	33429
Ion Ratio	Lower	Upper	
184	100		
185	13.5	10.9	16.3
183	11.3	9.3	13.9

Manual Integrations
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#78

Pyrene

Concen: 3.885 ng

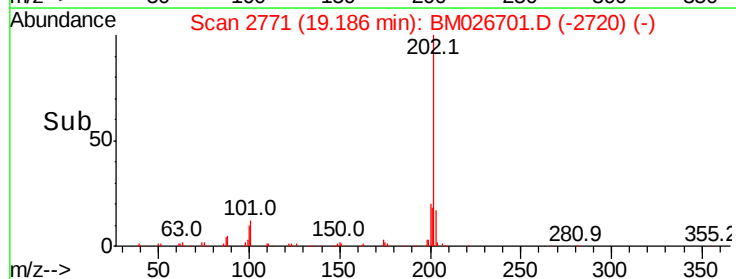
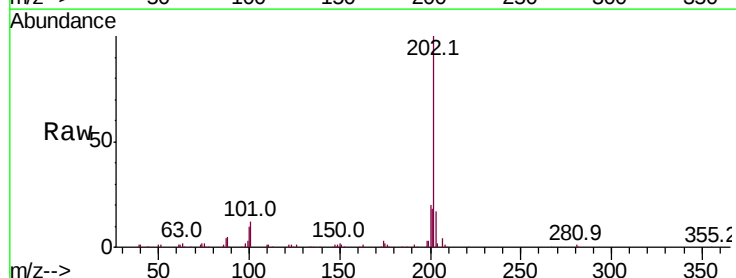
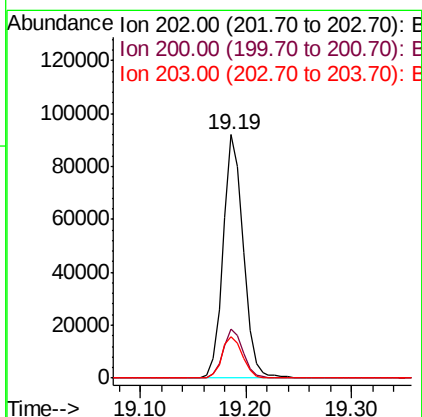
RT: 19.19 min Scan# 2771

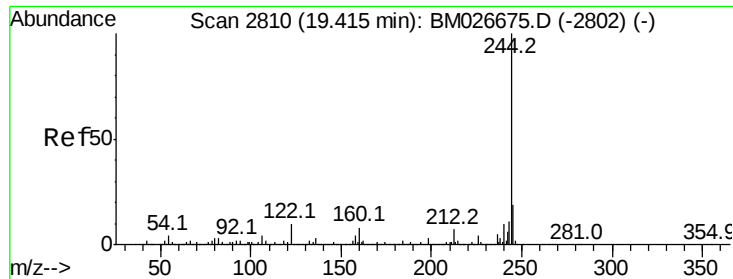
Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	202	Resp:	121585
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.6	24.8
203	17.2	13.7	20.5





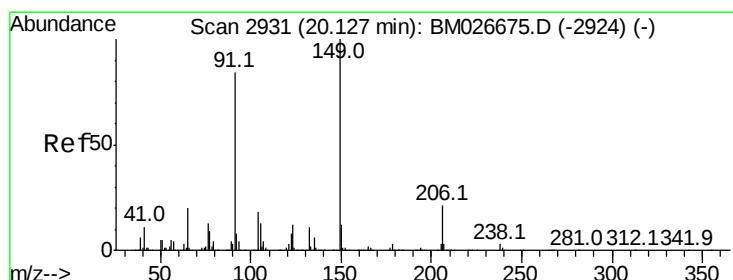
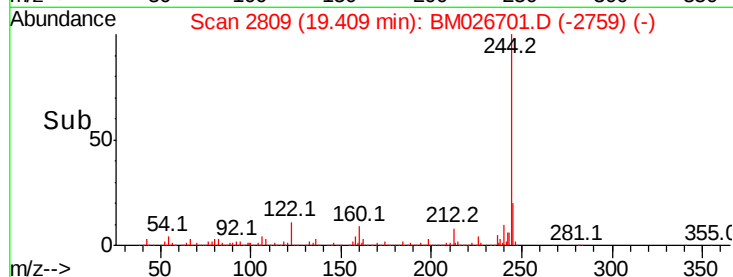
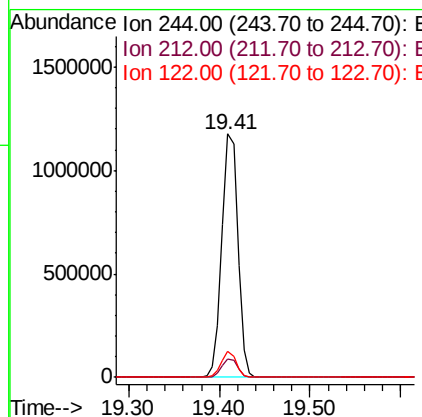
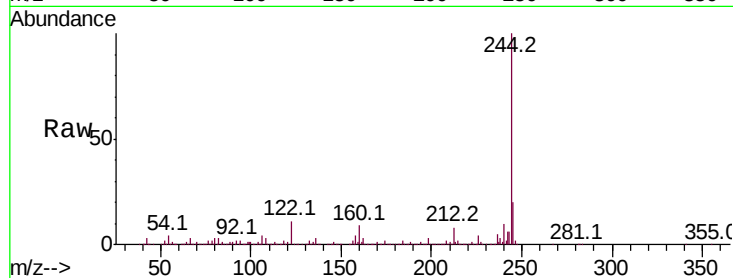
#79
 Terphenyl-d14
 Concen: 56.885 ng
 RT: 19.41 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.7	8.2	12.4

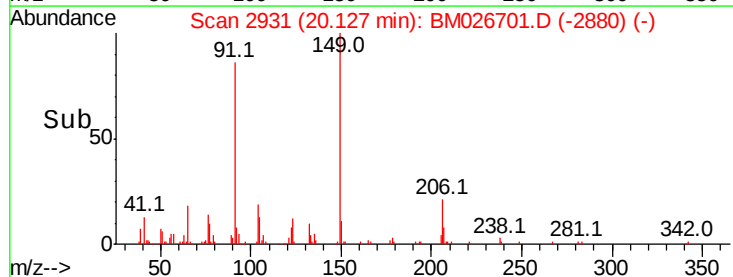
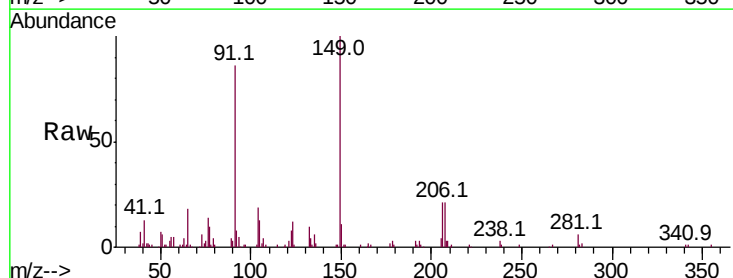
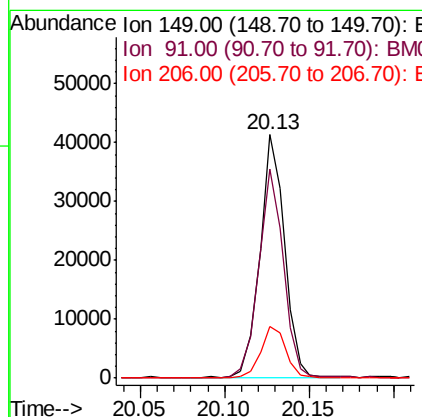
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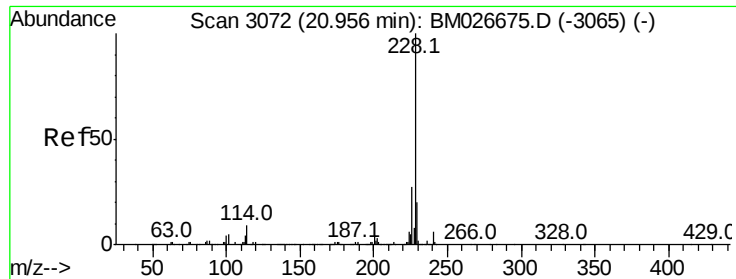
mohammad
 7/9/2020 10:59:40 AM



#80
 Butylbenzylphthalate
 Concen: 3.026 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026701.D
 Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
149	100		
91	85.9	67.6	101.4
206	21.4	16.7	25.1





#81

Benzo(a)anthracene

Concen: 4.080 ng

RT: 20.96 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

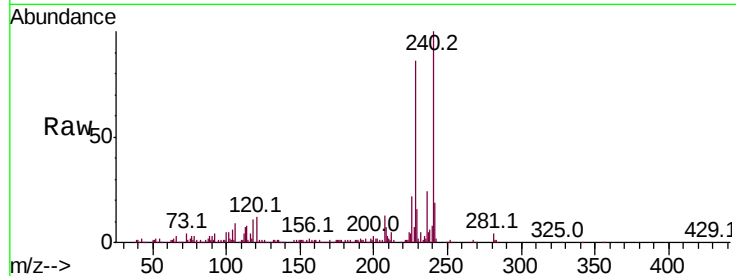
ClientSampleId :

LOQ-SOIL-02-QT3-2020

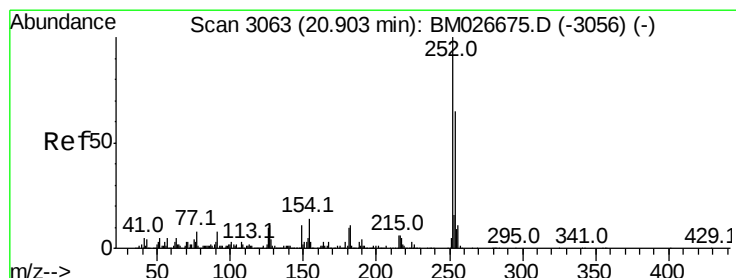
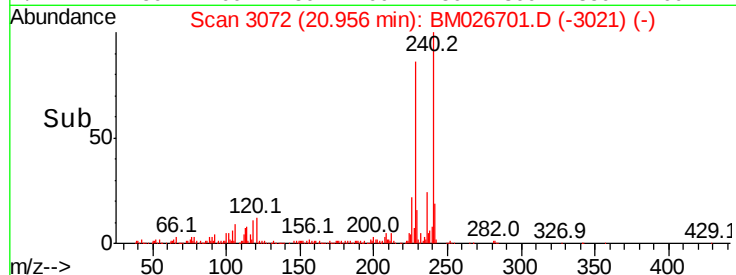
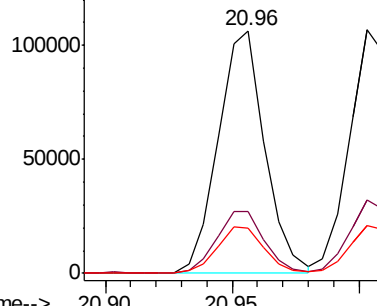
Tot Ion:	228	Resp:	136149
Ion Ratio	Lower	Upper	
228	100		
226	25.3	21.4	32.2
229	18.4	15.6	23.4

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 3.977 ng

RT: 20.90 min Scan# 3063

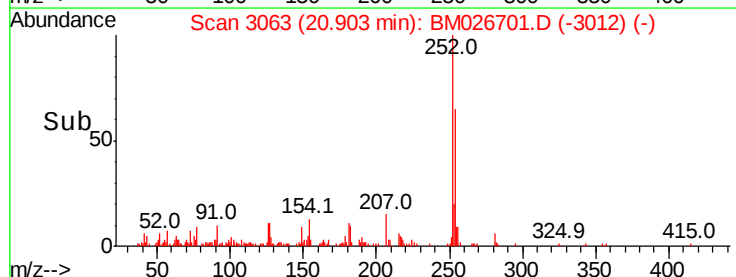
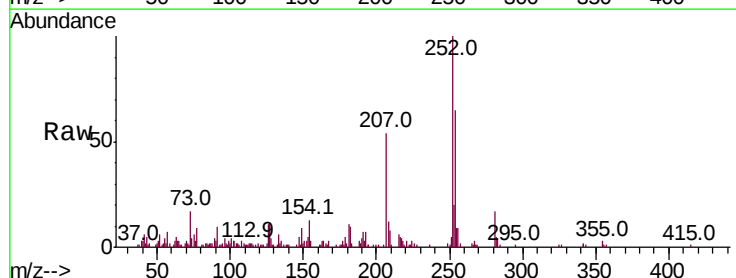
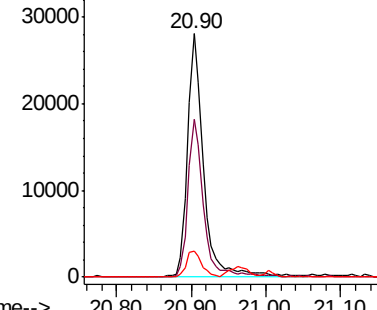
Delta R.T. 0.00 min

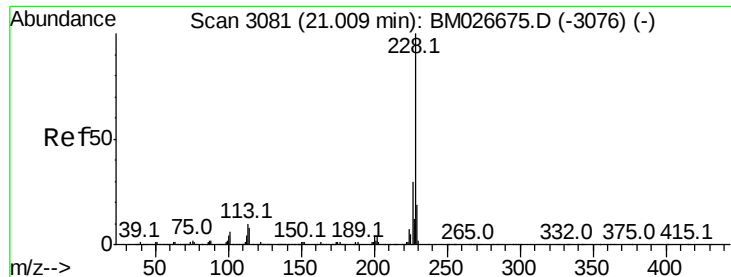
Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	252	Resp:	42116
Ion Ratio	Lower	Upper	
252	100		
254	64.6	51.9	77.9
126	10.5	8.2	12.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





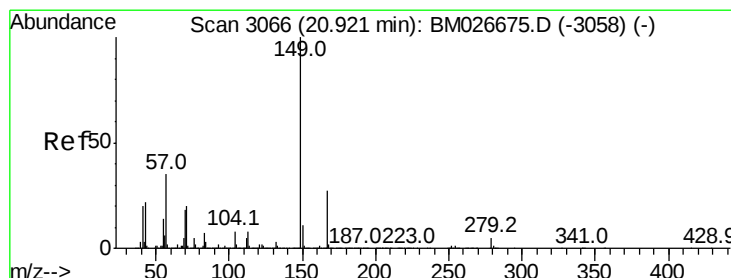
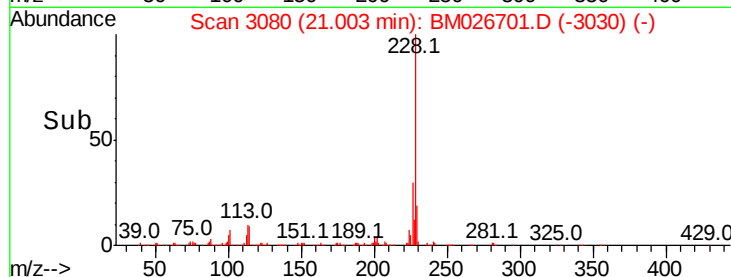
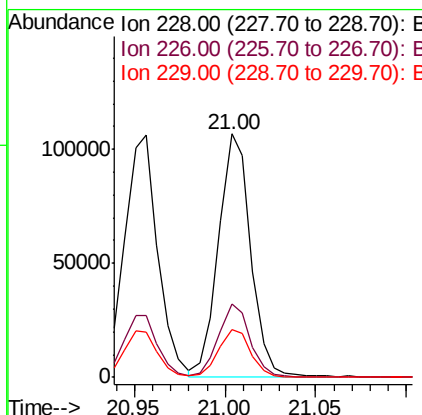
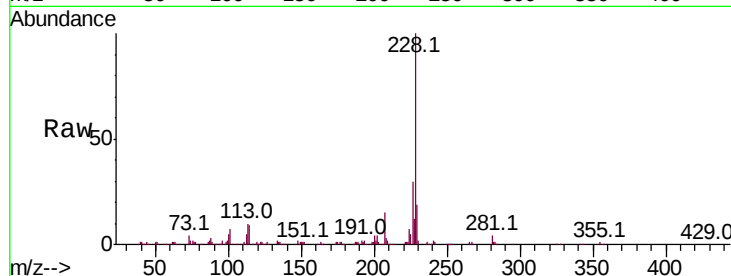
#83
Chrysene
Concen: 4.046 ng
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	19.5	15.4	23.0

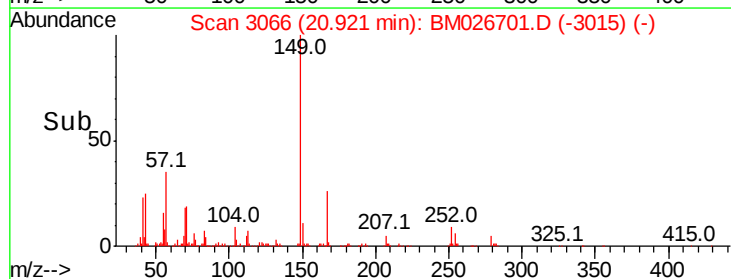
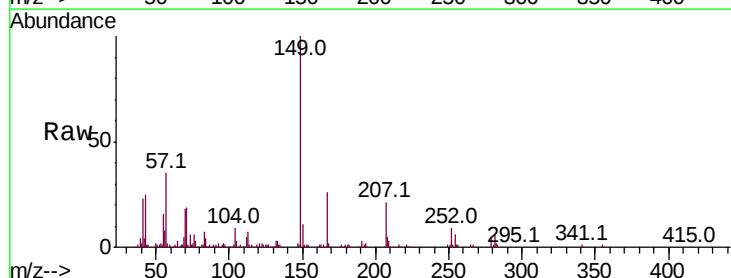
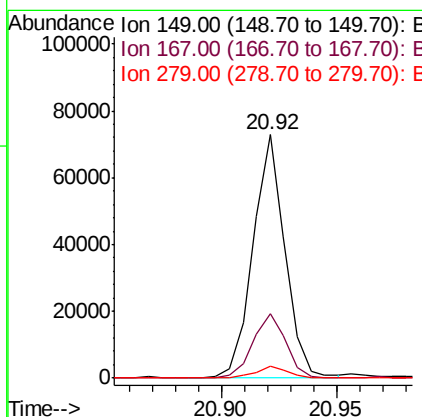
Manual Integrations
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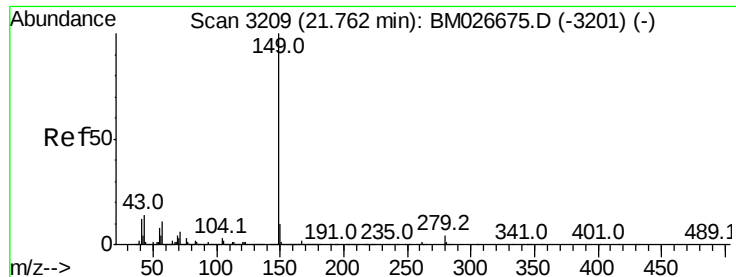
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.086 ng
RT: 20.92 min Scan# 3066
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.9	32.9
279	4.9	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 3.094 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

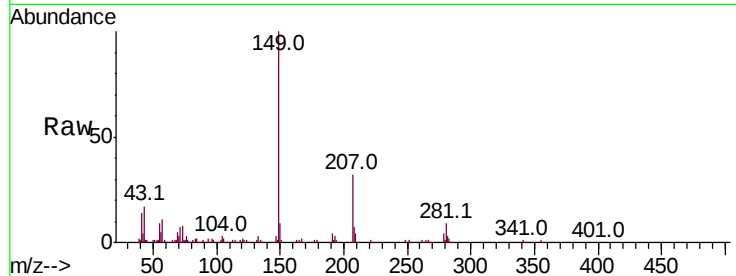
ClientSampleId :

LOQ-SOIL-02-QT3-2020

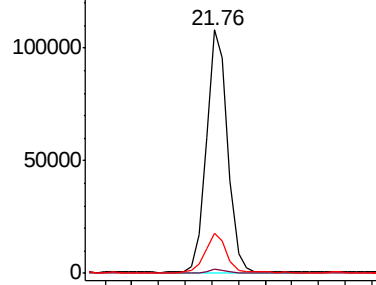
Tot Ion:	149	Resp:	118980
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	17.0	11.2	16.8#

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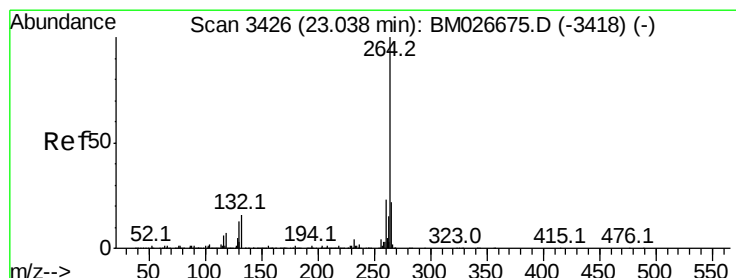
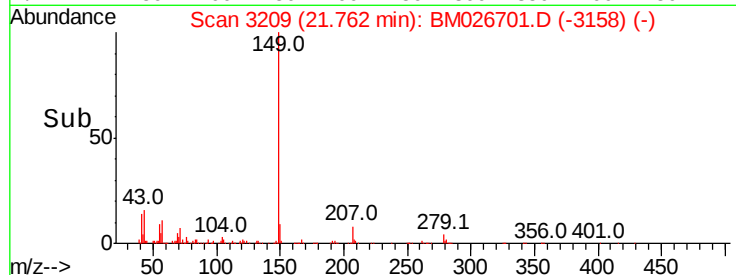
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM



Time-->



#86

Perylene-d12

Concen: 20.000 ng

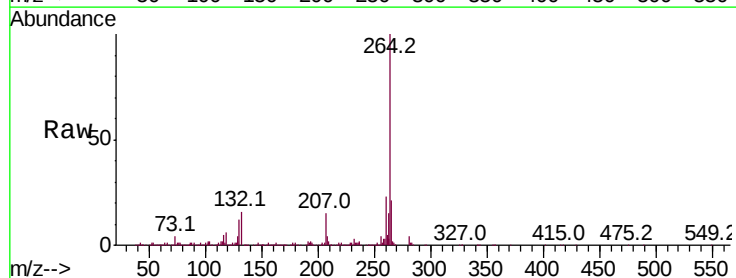
RT: 23.04 min Scan# 3426

Delta R.T. 0.00 min

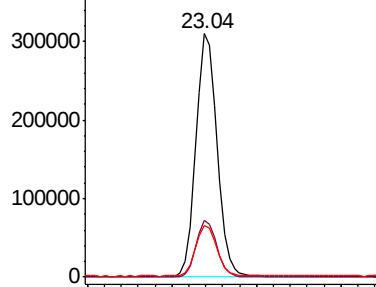
Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

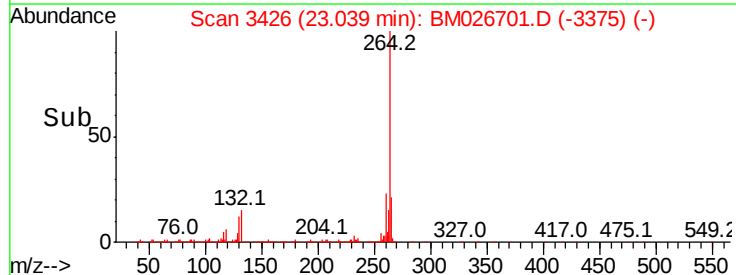
Tgt Ion:	264	Resp:	537081
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.2	27.2
265	21.3	17.6	26.4

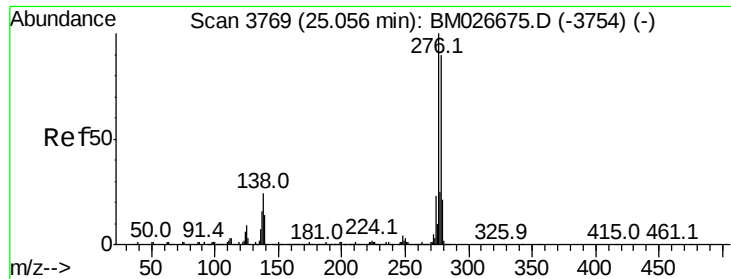


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.222 ng

RT: 25.05 min Scan# 3768

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

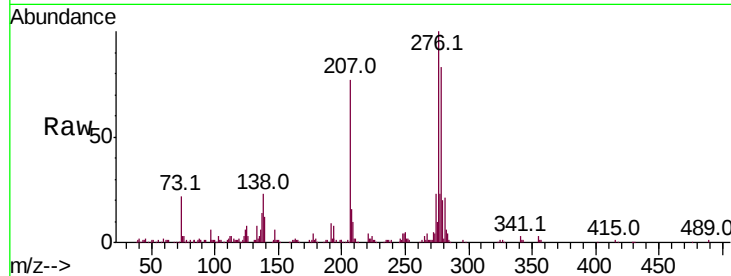
Instrument :
BNA_M

ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.4	27.6
277	24.3	20.0	30.0

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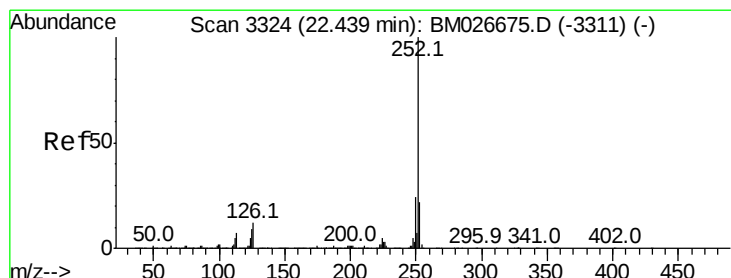
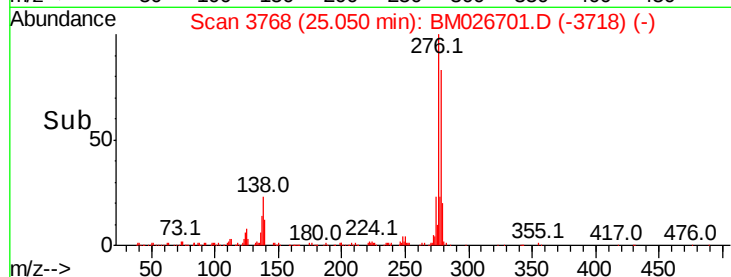
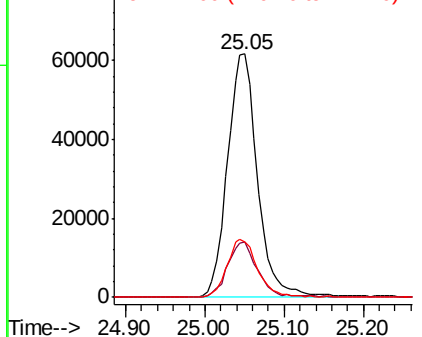


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 3.881 ng

RT: 22.44 min Scan# 3324

Delta R.T. 0.00 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

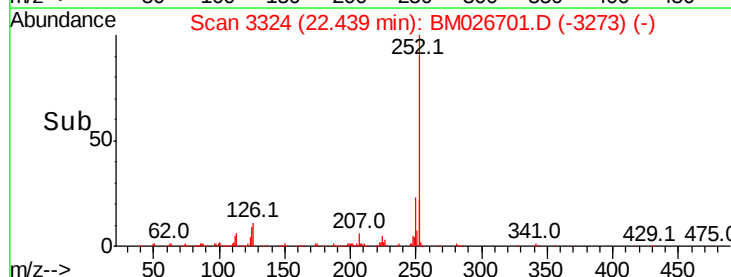
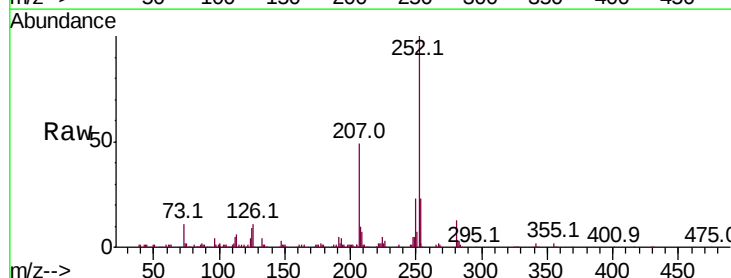
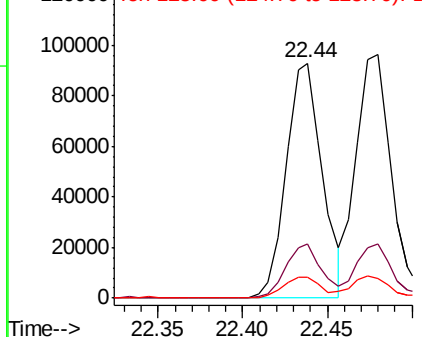
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	8.9	7.5	11.3

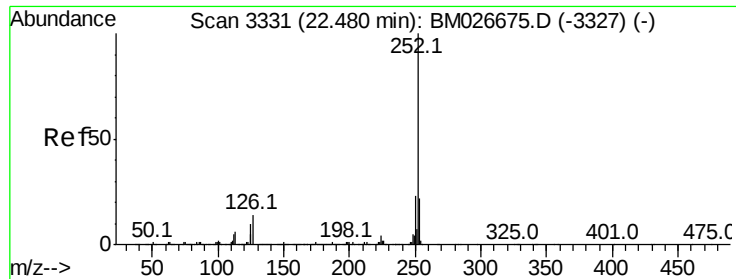
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





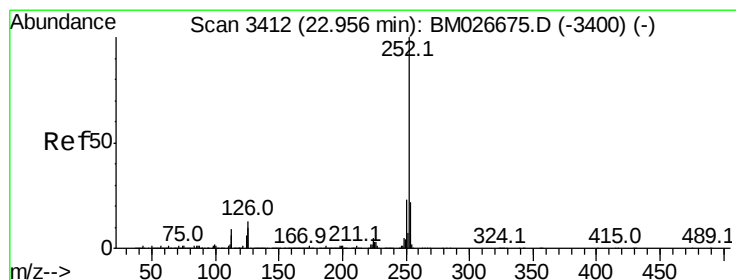
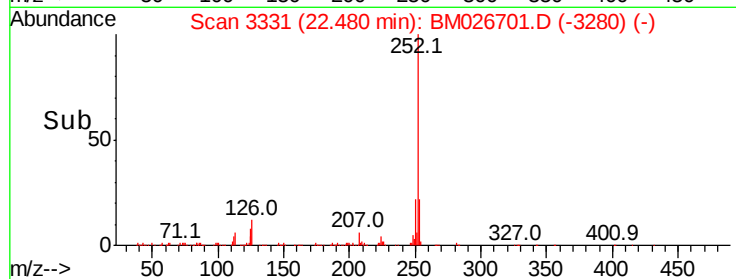
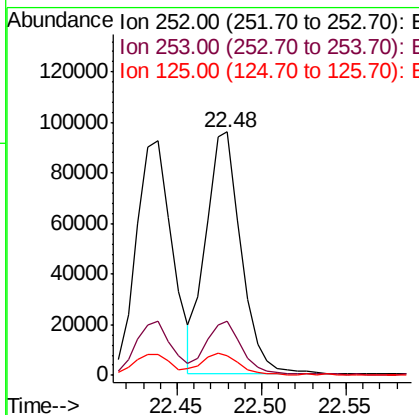
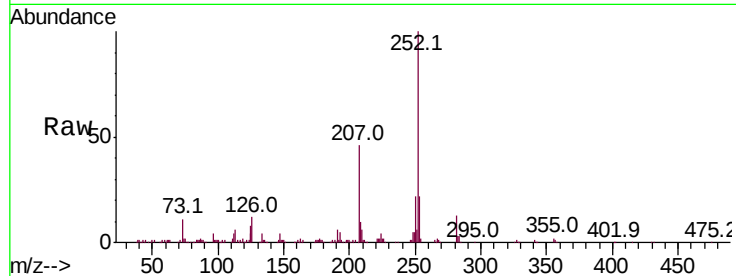
#89
Benzo(k)fluoranthene
Concen: 4.007 ng
RT: 22.48 min Scan# 3331
Delta R.T. 0.00 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.1	17.5	26.3	
125	8.1	7.8	11.8	

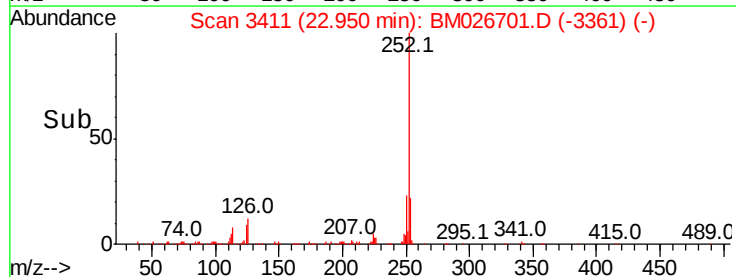
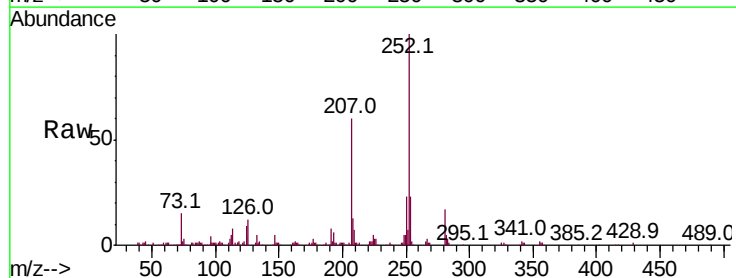
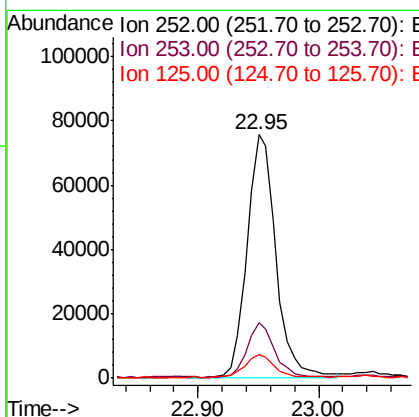
Manual Integrations
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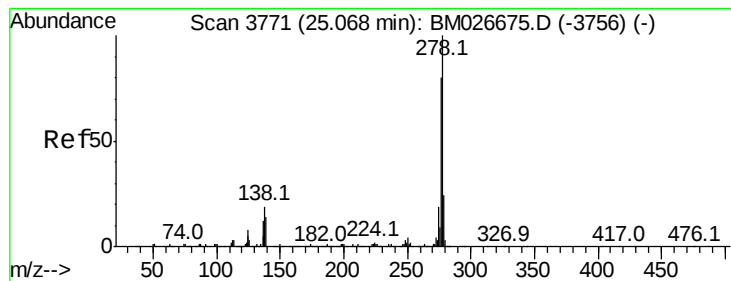
mohammad
7/9/2020 10:59:40 AM



#90
Benzo(a)pyrene
Concen: 3.865 ng
RT: 22.95 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM026701.D
Acq: 08 Jul 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.6	17.4	26.2	
125	9.5	8.2	12.4	





#91

Dibenzo(a,h)anthracene

Concen: 4.171 ng

RT: 25.06 min Scan# 3769

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Instrument :

BNA_M

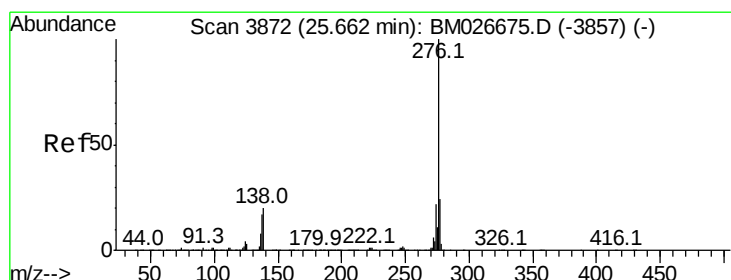
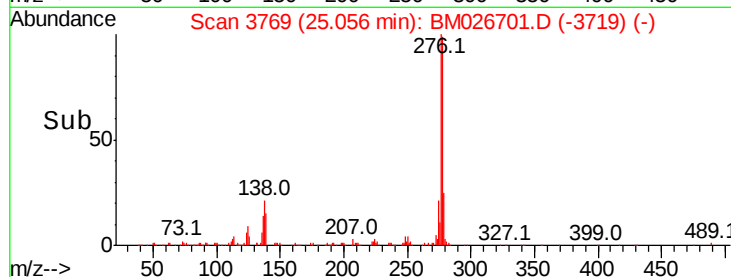
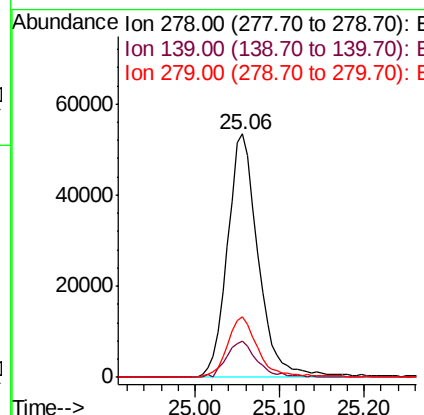
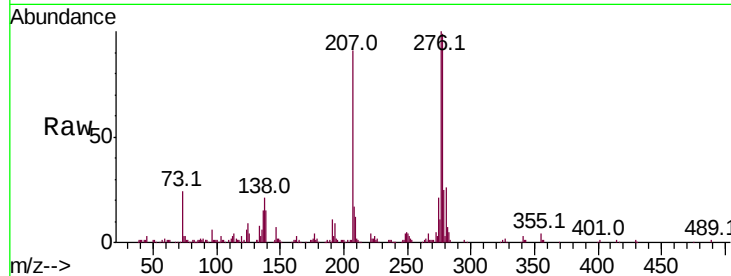
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	278	Resp:	134628
Ion Ratio	Lower	Upper	
278	100		
139	14.8	11.2	16.8
279	24.8	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/9/2020 10:59:40 AM



#92

Benzo(g,h,i)perylene

Concen: 4.470 ng

RT: 25.66 min Scan# 3871

Delta R.T. -0.01 min

Lab File: BM026701.D

Acq: 08 Jul 2020 11:18

Tgt Ion:	276	Resp:	132938
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.1	28.7
138	17.9	15.8	23.8

