

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070920\
 Data File : BM026703.D
 Acq On : 08 Jul 2020 13:52
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/9/2020 10:59:49 AM

Quant Time: Jul 08 14:54:10 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 13:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	48028	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	195751	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	130234	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	302153	20.00	ng	0.00
76) Chrysene-d12	20.96	240	387351	20.00	ng	0.00
86) Perylene-d12	23.04	264	431581	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	299373	104.48	ng	0.00
7) Phenol-d6	6.53	99	440649	96.52	ng	0.00
23) Nitrobenzene-d5	8.47	82	347247	75.68	ng	0.00
42) 2,4,6-Tribromophenol	15.49	330	191579	100.98	ng	0.00
45) 2-Fluorobiphenyl	12.59	172	711720	72.66	ng	0.00
79) Terphenyl-d14	19.41	244	1109624	56.38	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.95	88	15978	11.605	ng	97
3) Pyridine	3.36	79	26323	6.685	ng	# 76
4) n-Nitrosodimethylamine	3.27	42	21929	9.304	ng	# 79
6) Aniline	6.67	93	48006	8.567	ng	100
8) 2-Chlorophenol	6.90	128	29258	8.572	ng	98
9) Benzaldehyde	6.49	77	38768m	15.300	ng	
10) Phenol	6.56	94	38858	8.612	ng	92
11) bis(2-Chloroethyl)ether	6.77	93	31203	8.271	ng	93
12) 1,3-Dichlorobenzene	7.22	146	32167	8.670	ng	99
13) 1,4-Dichlorobenzene	7.36	146	33267	8.809	ng	94
14) 1,2-Dichlorobenzene	7.67	146	32081	8.527	ng	96
15) Benzyl Alcohol	7.58	79	27259	6.978	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.87	45	61920	7.952	ng	99
17) 2-Methylphenol	7.79	107	25172	7.341	ng	97
18) Hexachloroethane	8.37	117	12293	8.196	ng	92
19) n-Nitroso-di-n-propylamine	8.14	70	28033	7.380	ng	94
20) 3+4-Methylphenols	8.12	107	33416	7.088	ng	91
22) Acetophenone	8.15	105	77149	13.869	ng	# 94
24) Nitrobenzene	8.51	77	43738	9.061	ng	96
25) Isophorone	9.04	82	69657	7.917	ng	98
26) 2-Nitrophenol	9.22	139	13377	7.509	ng	# 90
27) 2,4-Dimethylphenol	9.30	122	26181	9.037	ng	99
28) bis(2-Chloroethoxy)methane	9.53	93	41538	8.546	ng	# 97
29) 2,4-Dichlorophenol	9.76	162	24615	7.715	ng	94
30) 1,2,4-Trichlorobenzene	9.95	180	30640	8.609	ng	98
31) Naphthalene	10.13	128	96481	8.862	ng	98
32) Benzoic acid	9.43	122	17113	7.784	ng	# 88
33) 4-Chloroaniline	10.27	127	37496	7.873	ng	99
34) Hexachlorobutadiene	10.42	225	19596	8.313	ng	98
35) Caprolactam	11.05	113	8722	7.718	ng	# 73
36) 4-Chloro-3-methylphenol	11.41	107	31589	7.834	ng	96
37) 2-Methylnaphthalene	11.76	142	67120	8.322	ng	98
38) 1-Methylnaphthalene	11.98	142	65625	8.493	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.14	216	60523	14.376	ng	99

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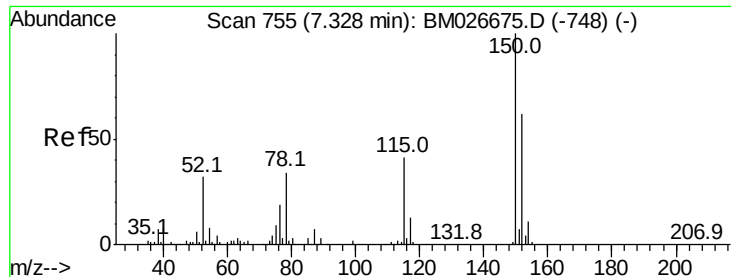
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 QLast Update : Wed Jul 08 13:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	12341	6.143	ng	99
43) 2,4,6-Trichlorophenol	12.40	196	21331	7.735	ng	97
44) 2,4,5-Trichlorophenol	12.48	196	23752	7.329	ng	95
46) 1,1'-Biphenyl	12.80	154	152493	14.824	ng	98
47) 2-Chloronaphthalene	12.84	162	69903	8.412	ng	97
48) 2-Nitroaniline	13.07	65	23798	6.959	ng	96
49) Acenaphthylene	13.70	152	110035	8.283	ng	100
50) Dimethylphthalate	13.46	163	93731	8.414	ng	99
51) 2,6-Dinitrotoluene	13.58	165	19043	7.983	ng	92
52) Acenaphthene	14.05	154	66236	8.204	ng	96
53) 3-Nitroaniline	13.92	138	16436	6.623	ng	96
54) 2,4-Dinitrophenol	14.14	184	10788	7.727	ng	95
55) Dibenzofuran	14.39	168	109961	8.306	ng	96
56) 4-Nitrophenol	14.27	139	10723	5.507	ng	97
57) 2,4-Dinitrotoluene	14.39	165	24750	7.189	ng	87
58) Fluorene	15.04	166	89609	8.176	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.63	232	23332	8.244	ng	99
60) Diethylphthalate	14.85	149	94538	8.026	ng	99
61) 4-Chlorophenyl-phenylether	15.05	204	47389	7.980	ng	98
62) 4-Nitroaniline	15.10	138	16049m	6.197	ng	
63) Azobenzene	15.34	77	101739	7.864	ng	95
65) 4,6-Dinitro-2-methylphenol	15.16	198	12702	6.184	ng	85
66) n-Nitrosodiphenylamine	15.27	169	78070	8.131	ng	99
67) 4-Bromophenyl-phenylether	15.95	248	28105	7.473	ng	97
68) Hexachlorobenzene	16.06	284	32964	8.328	ng	98
69) Atrazine	16.24	200	28444	9.851	ng	98
70) Pentachlorophenol	16.42	266	15451	6.900	ng	98
71) Phenanthrene	16.79	178	151904	8.516	ng	98
72) Anthracene	16.88	178	150856	8.495	ng	99
73) Carbazole	17.16	167	133454	7.883	ng	99
74) Di-n-butylphthalate	17.74	149	164875	7.745	ng	99
75) Fluoranthene	18.82	202	187616	8.540	ng	99
77) Benzidine	19.03	184	71072	9.307	ng	98
78) Pyrene	19.19	202	201369	8.252	ng	99
80) Butylbenzylphthalate	20.13	149	80305	7.334	ng	93
81) Benzo(a)anthracene	20.95	228	220815	8.487	ng	98
82) 3,3'-Dichlorobenzidine	20.90	252	76650	9.282	ng	94
83) Chrysene	21.00	228	220709	8.715	ng	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	127447	7.265	ng	100
85) Di-n-octyl phthalate	21.76	149	226211	7.545	ng	# 91
87) Indeno(1,2,3-cd)pyrene	25.04	276	296417	9.648	ng	99
88) Benzo(b)fluoranthene	22.43	252	233458	8.210	ng	99
89) Benzo(k)fluoranthene	22.47	252	247910	8.888	ng	99
90) Benzo(a)pyrene	22.95	252	218804	8.288	ng	98
91) Dibenzo(a,h)anthracene	25.05	278	249696	9.627	ng	98
92) Benzo(g,h,i)perylene	25.65	276	249322	10.433	ng	98

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



#1

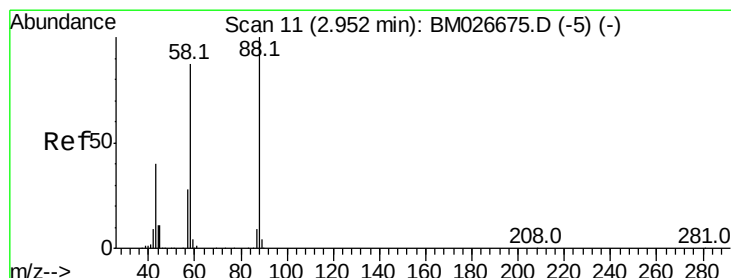
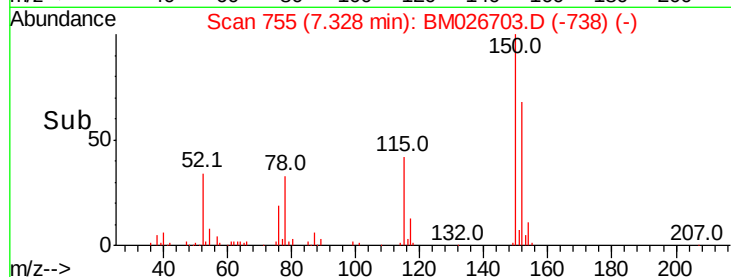
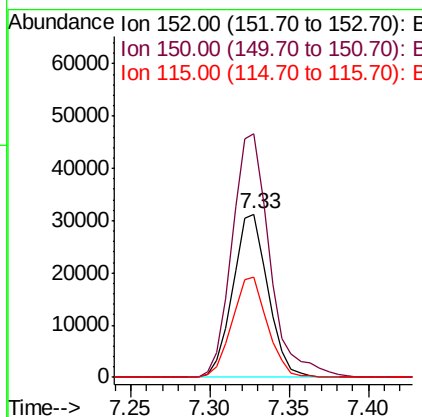
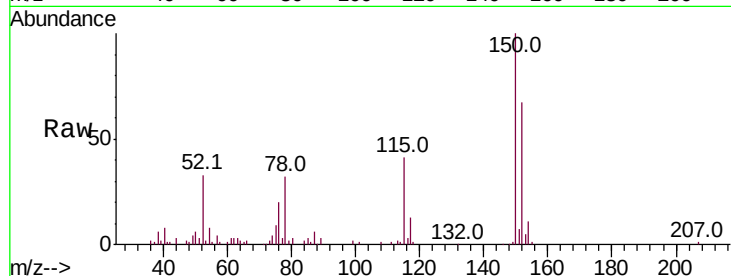
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	128.1	192.1
115	61.4	52.2	78.4

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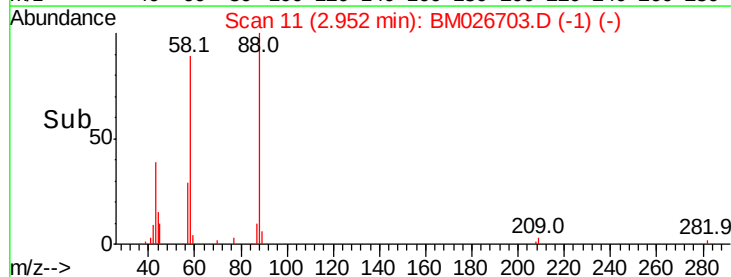
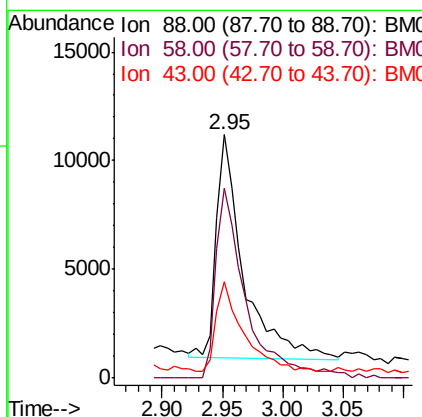
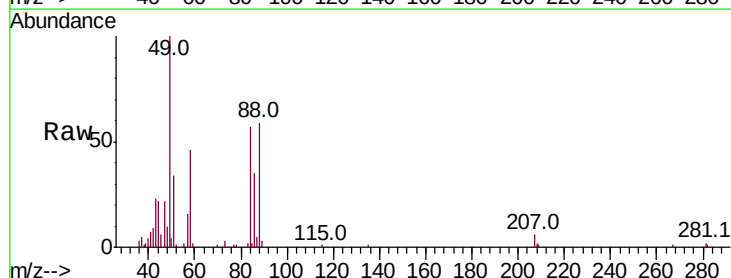
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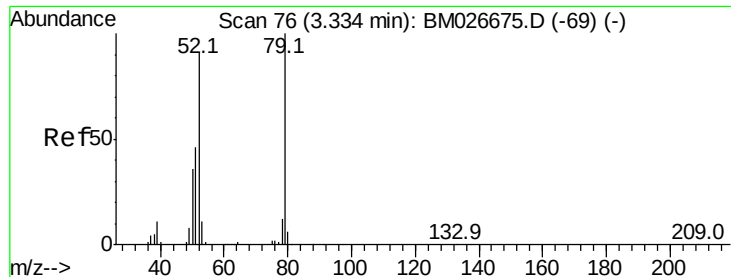


#2

1,4-Dioxane
Concen: 11.605 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.1	73.2	109.8
43	40.9	34.3	51.5





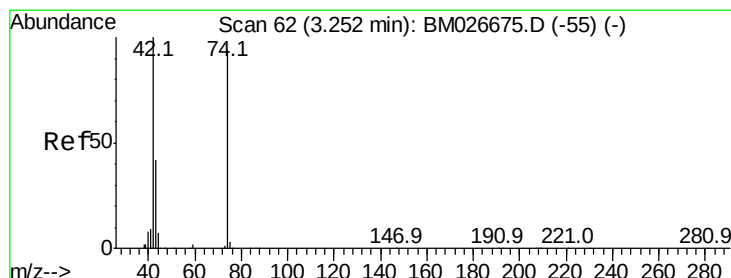
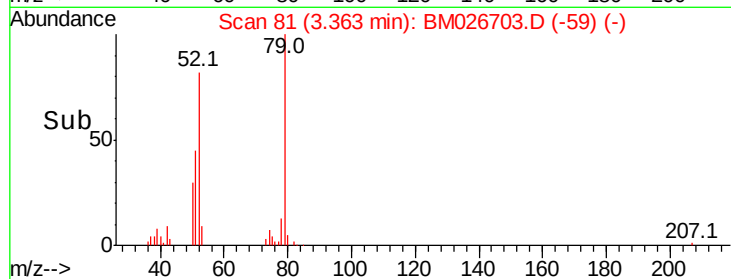
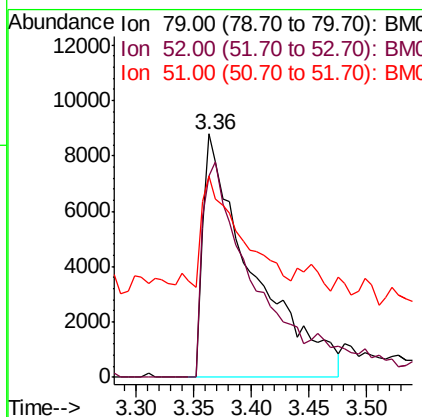
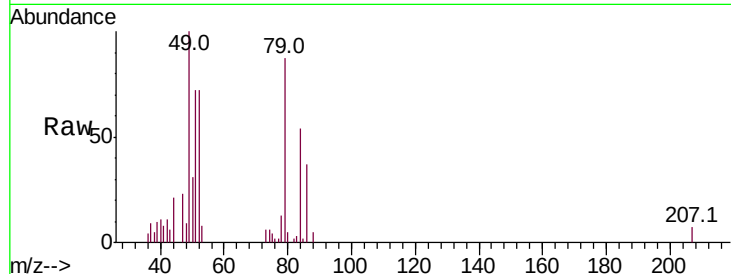
#3
 Pvridine
 Concen: 6.685 ng
 RT: 3.36 min Scan# 81
 Delta R.T. 0.03 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
79	100		
52	82.5	72.9	109.3
51	82.5	37.6	56.4#

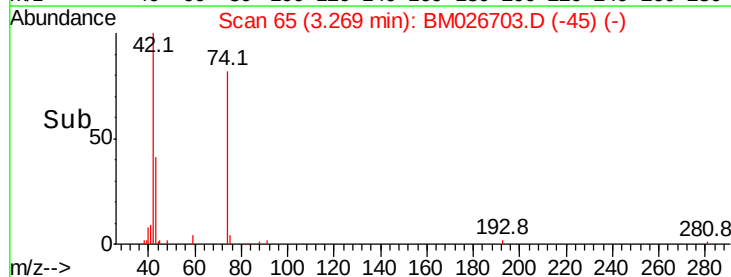
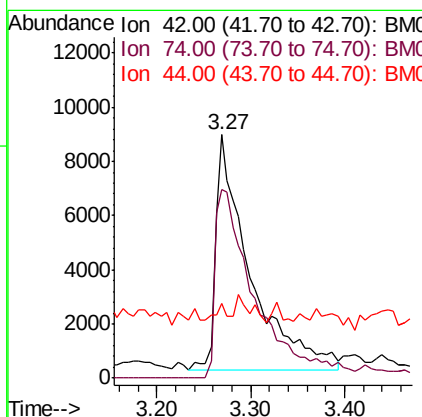
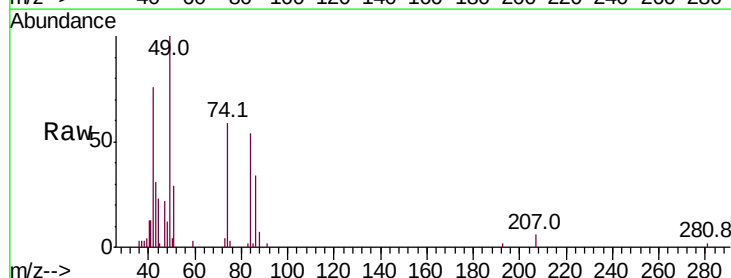
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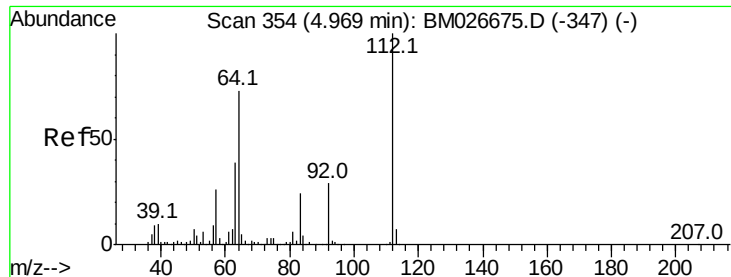
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#4
 n-Nitrosodimethylamine
 Concen: 9.304 ng
 RT: 3.27 min Scan# 65
 Delta R.T. 0.02 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
42	100		
74	77.2	75.1	112.7
44	30.4	5.7	8.5#





#5

2-Fluorophenol

Concen: 104.476 ng

RT: 4.96 min Scan# 353

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

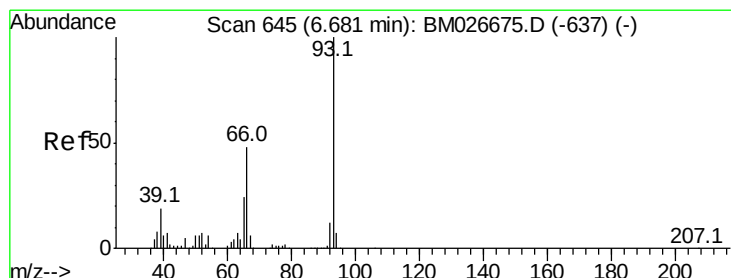
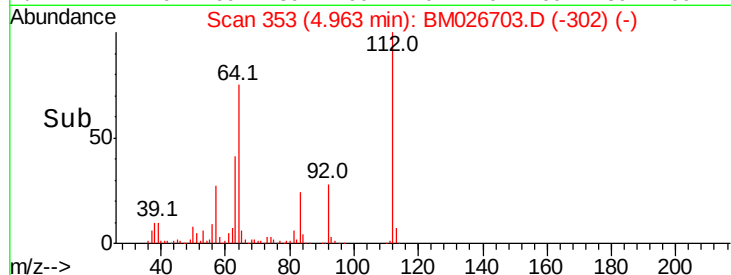
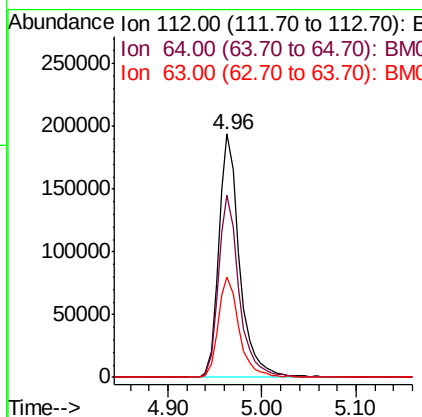
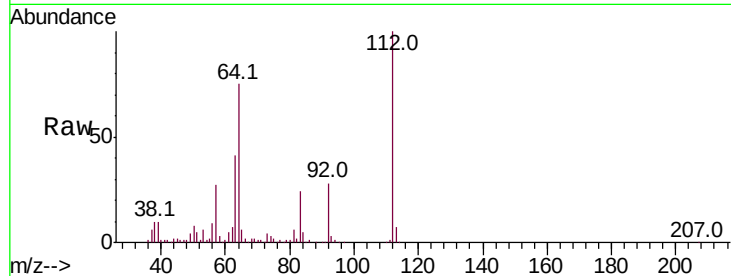
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	112	Resp:	299373
Ion Ratio	Lower	Upper	
112	100		
64	74.7	58.4	87.6
63	41.1	31.5	47.3

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#6

Aniline

Concen: 8.567 ng

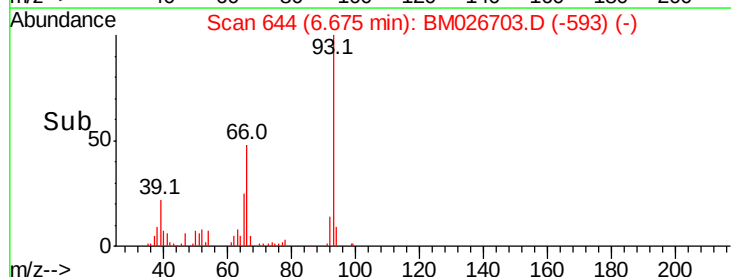
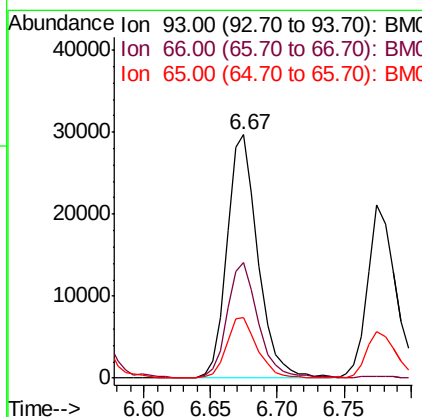
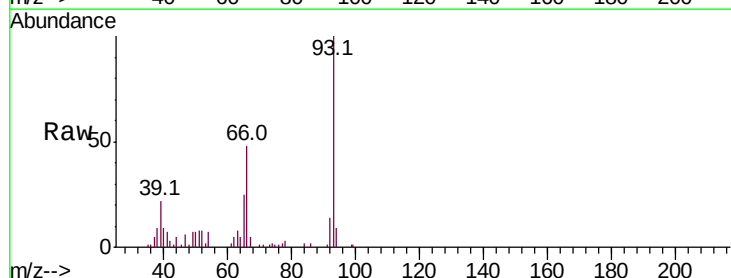
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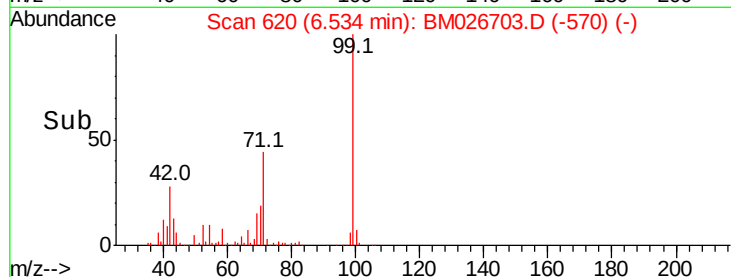
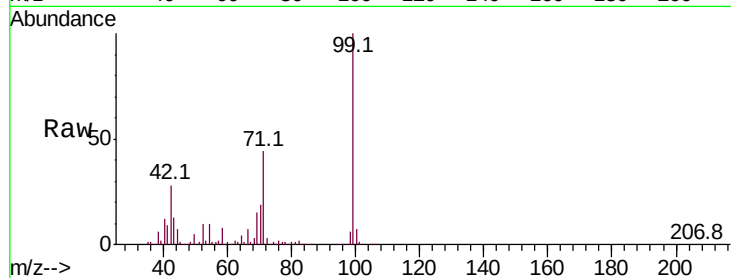
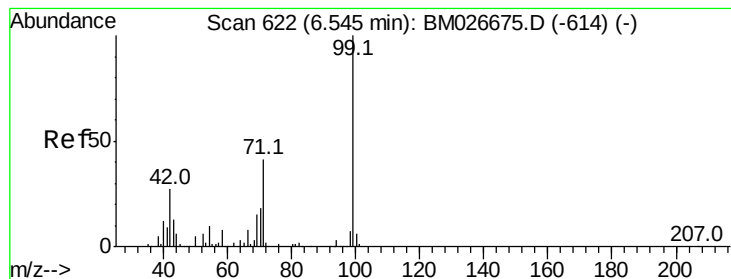
Delta R.T. -0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	93	Resp:	48006
Ion Ratio	Lower	Upper	
93	100		
66	47.6	38.2	57.4
65	24.8	19.6	29.4





#7

Phenol-d6

Concen: 96.519 ng

RT: 6.53 min Scan# 620

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tot Ion:	99	Resp:	440649
Ion Ratio	Lower	Upper	
99	100		
42	27.9	21.7	32.5
71	43.9	33.2	49.8

Instrument :

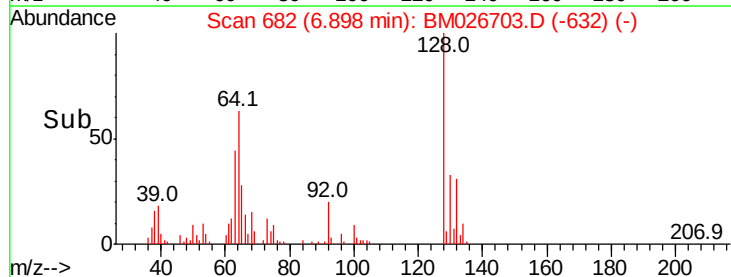
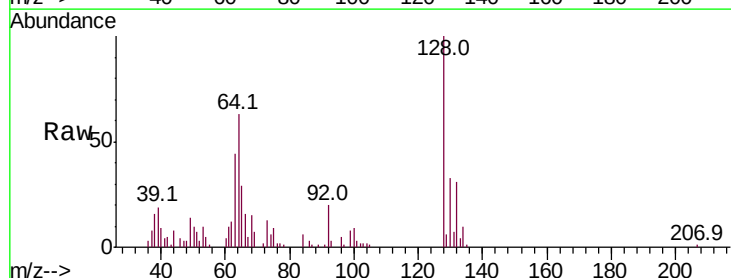
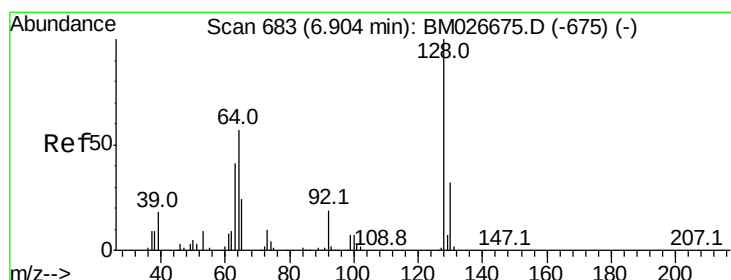
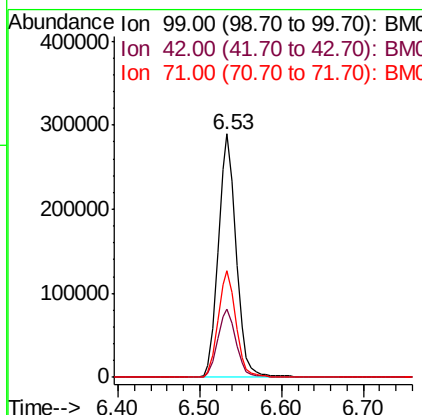
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

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#8

2-Chlorophenol

Concen: 8.572 ng

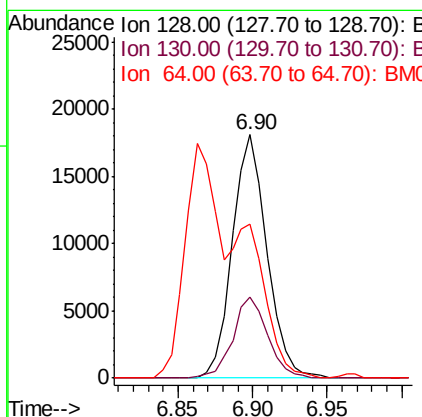
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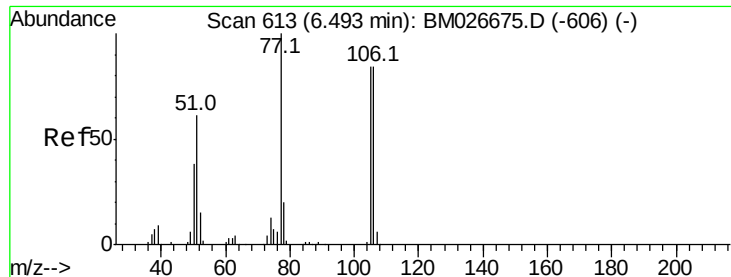
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	128	Resp:	29258
Ion Ratio	Lower	Upper	
128	100		
130	33.2	12.2	52.2
64	63.2	41.4	81.4





#9

Benzaldehyde

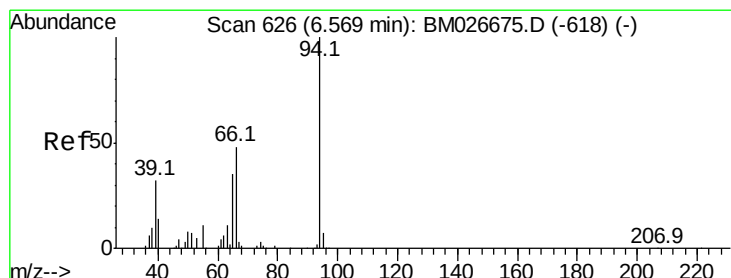
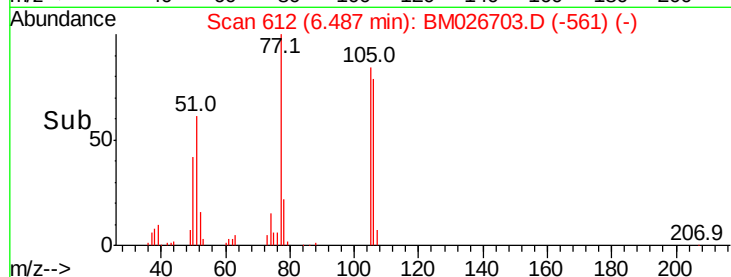
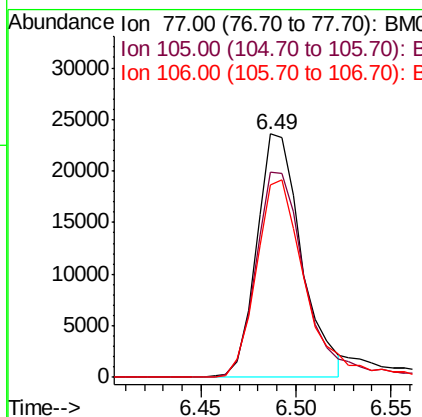
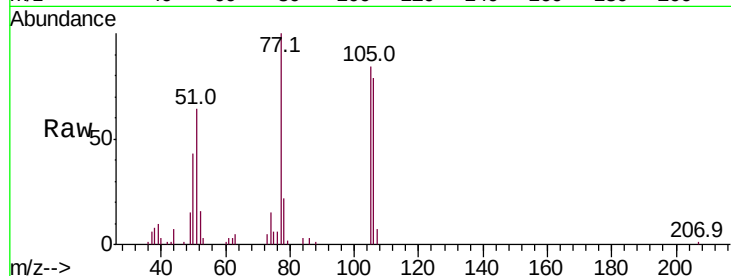
Concen: 15.300 ng/mL
 RT: 6.49 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
77	100		
105	84.5	64.4	104.4
106	78.9	64.3	104.3

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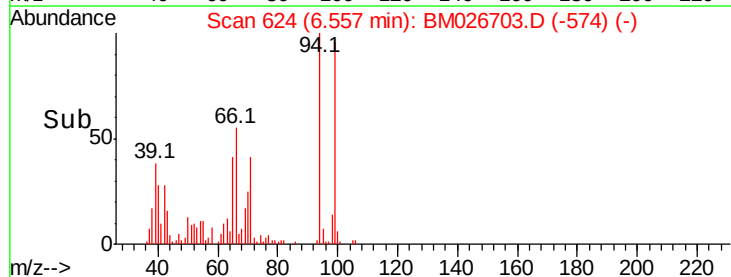
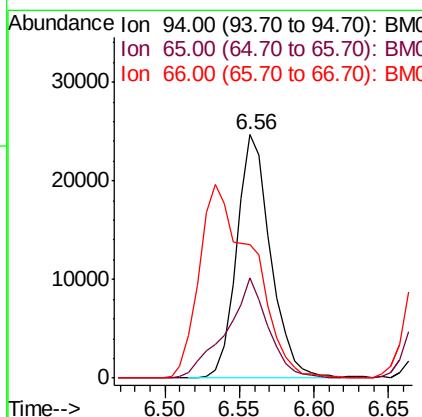
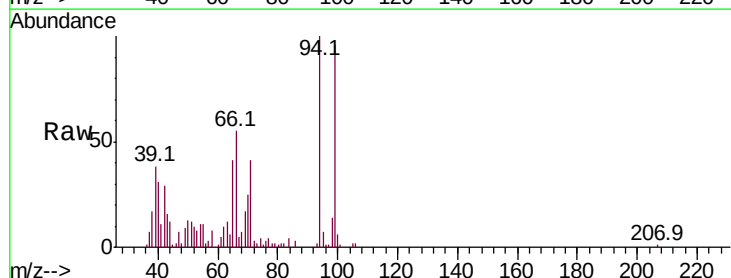


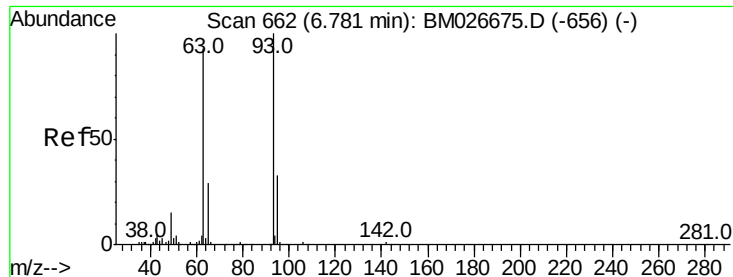
#10

Phenol

Concen: 8.612 ng/mL
 RT: 6.56 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
94	100		
65	40.9	15.5	55.5
66	54.8	29.8	69.8





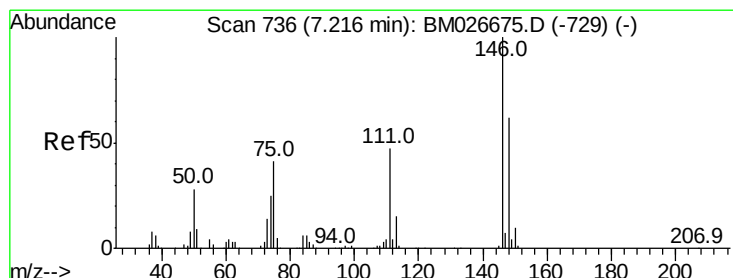
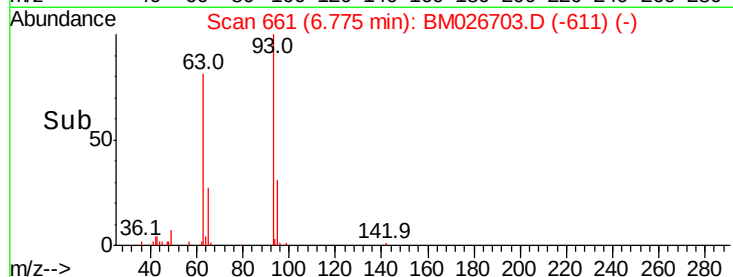
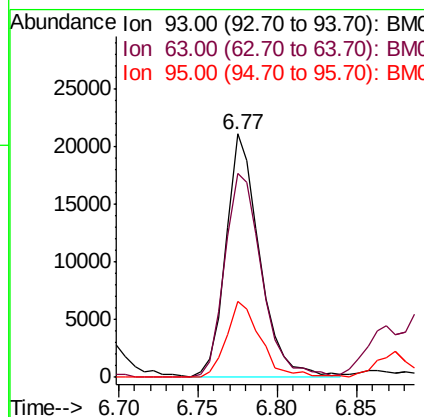
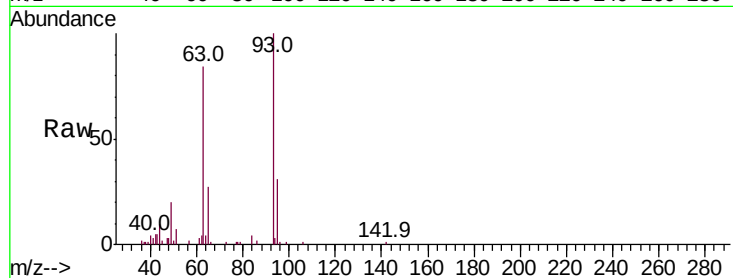
#11
bis(2-Chloroethyl)ether
Concen: 8.271 ng
RT: 6.77 min Scan# 661
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	83.9	72.6	112.6
95	31.1	12.3	52.3

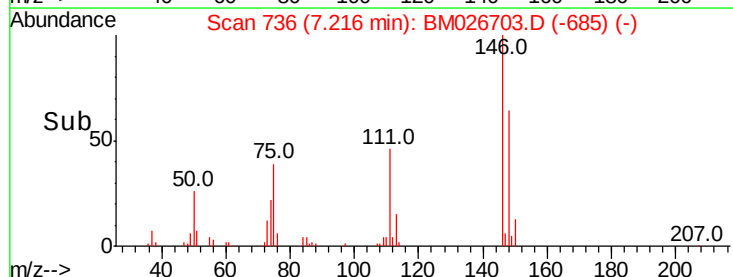
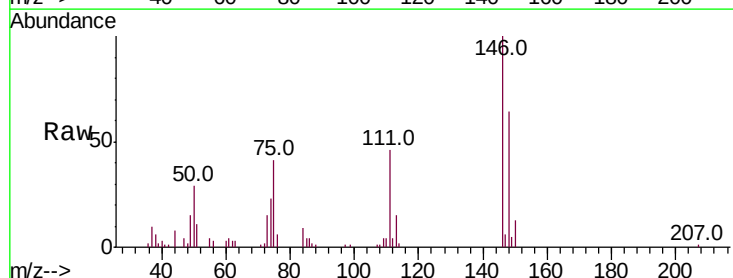
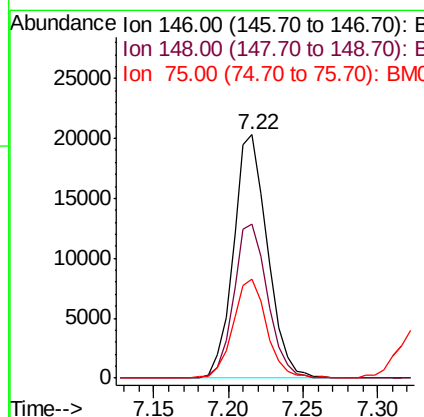
Manual Integrations
APPROVED

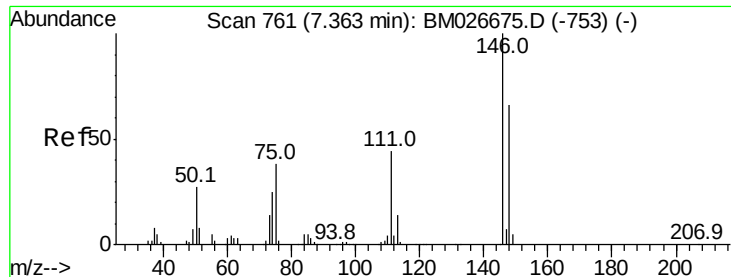
mohammad
7/9/2020 10:59:49 AM



#12
1,3-Dichlorobenzene
Concen: 8.670 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	49.7	74.5
75	40.8	32.7	49.1





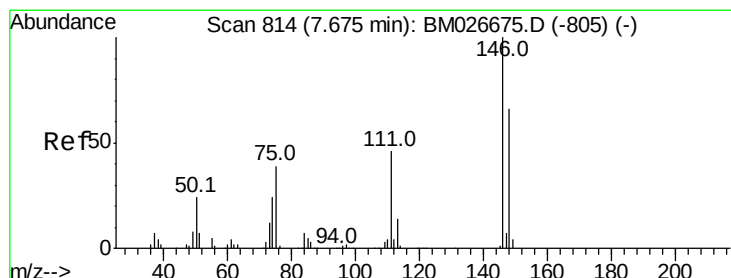
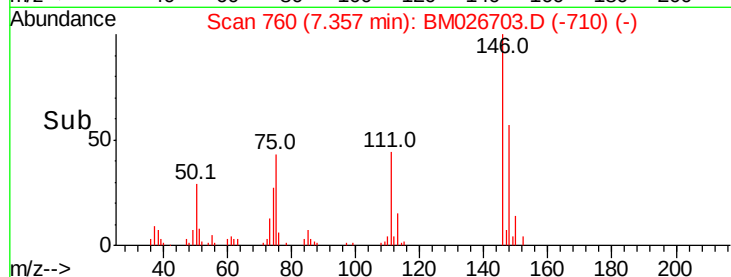
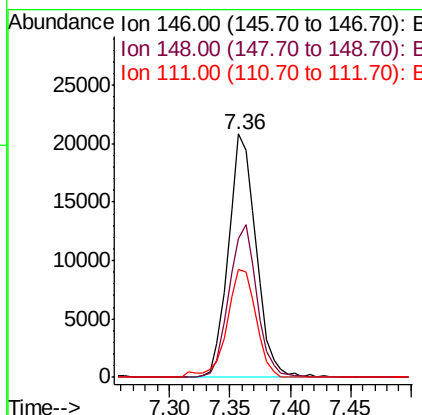
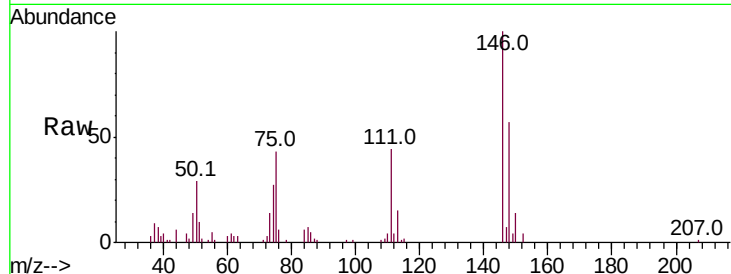
#13
1,4-Dichlorobenzene
Concen: 8.809 ng
RT: 7.36 min Scan# 760
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	57.1	52.4	78.6
111	44.3	35.6	53.4

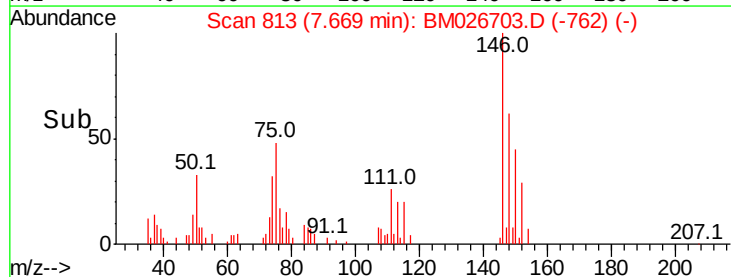
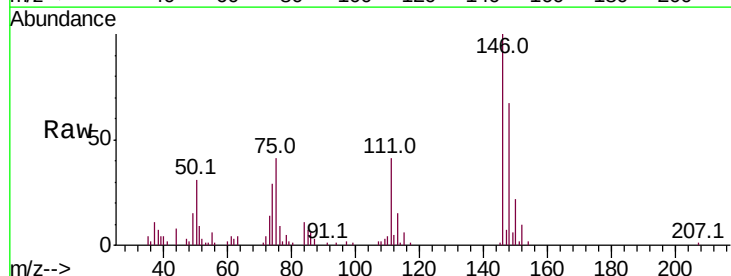
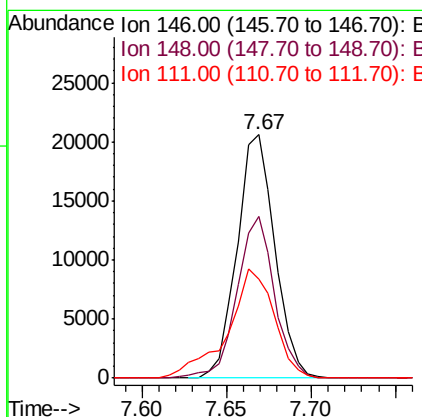
Manual Integrations
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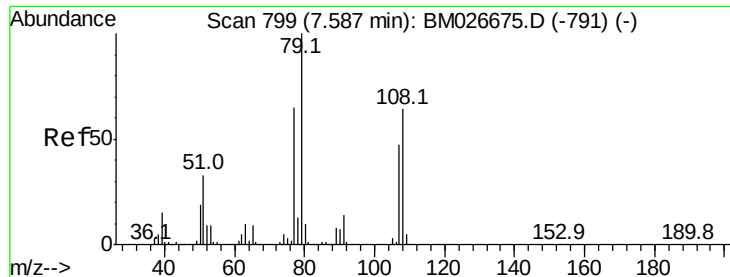
mohammad
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#14
1,2-Dichlorobenzene
Concen: 8.527 ng
RT: 7.67 min Scan# 813
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.5	52.6	78.8
111	40.7	37.2	55.8





#15

Benzyl Alcohol

Concen: 6.978 ng

RT: 7.58 min Scan# 798

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

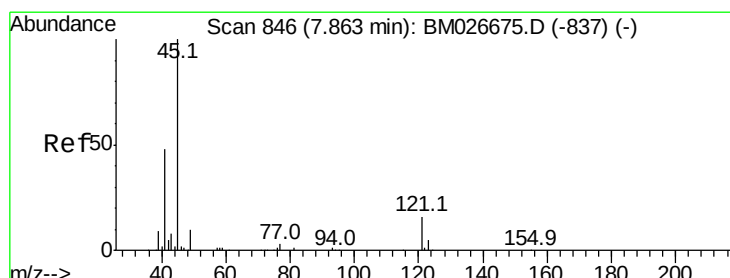
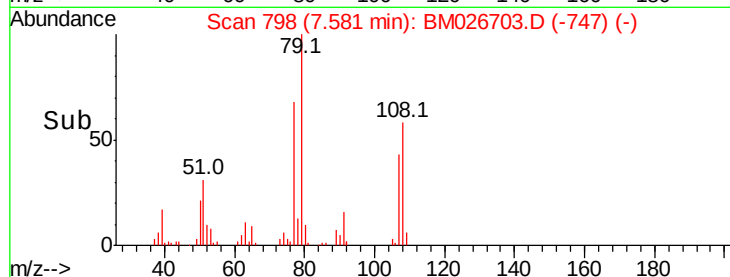
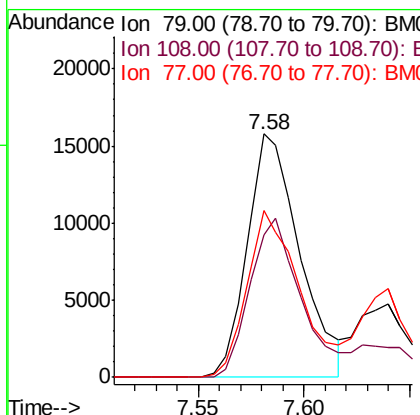
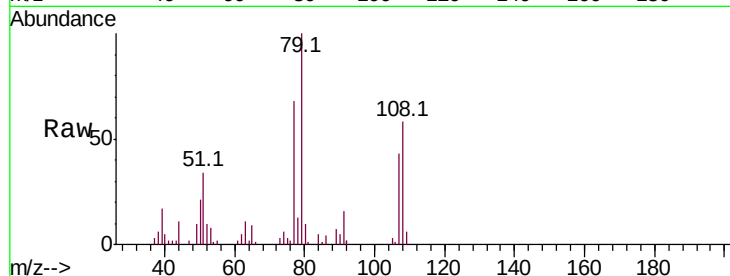
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	27259
Ion	Ratio	Lower	Upper
79	100		
108	58.5	51.0	76.4
77	68.3	52.1	78.1

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.952 ng

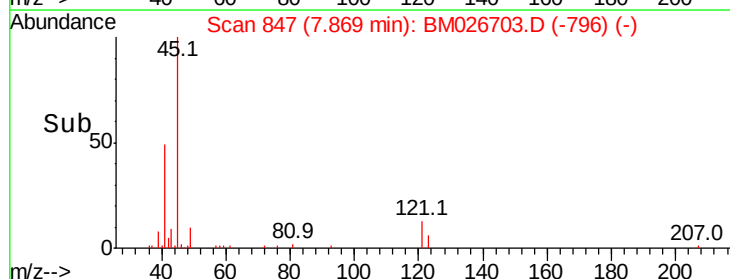
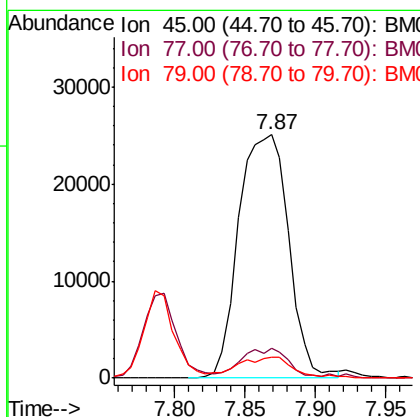
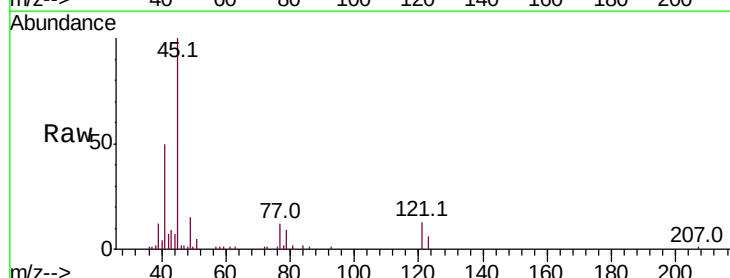
RT: 7.87 min Scan# 847

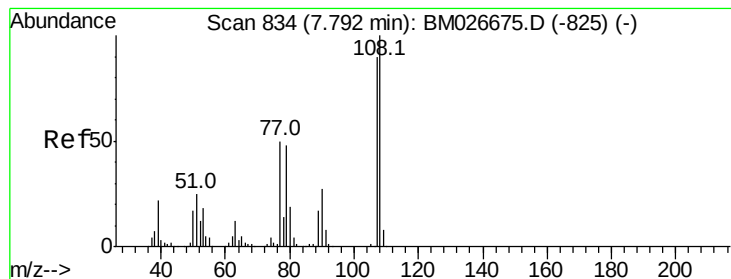
Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	45	Resp:	61920
Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	31.4
79	8.6	0.0	28.4





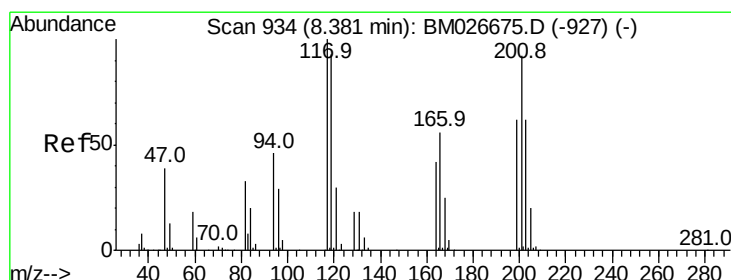
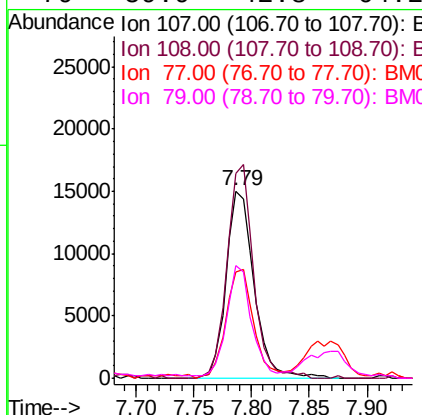
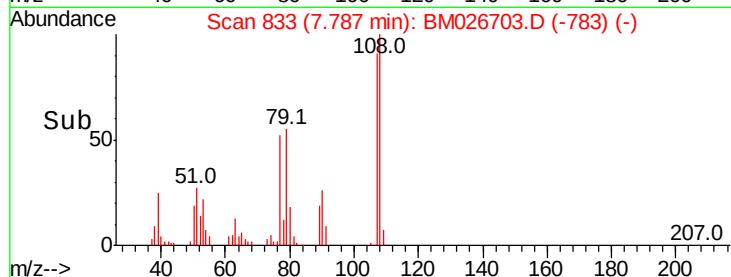
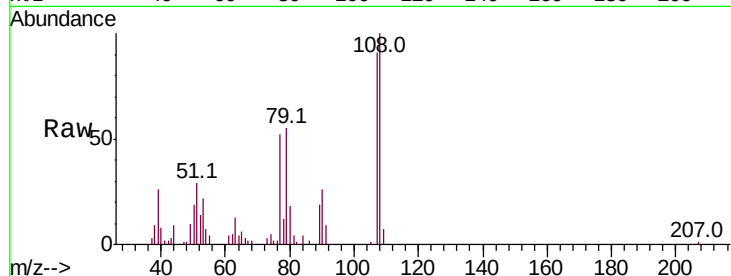
#17
2-Methylphenol
Concen: 7.341 ng
RT: 7.79 min Scan# 833
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.8	89.4	134.0	
77	56.7	45.2	67.8	
79	59.9	42.8	64.2	

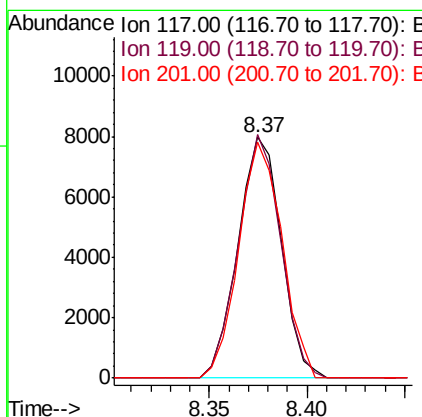
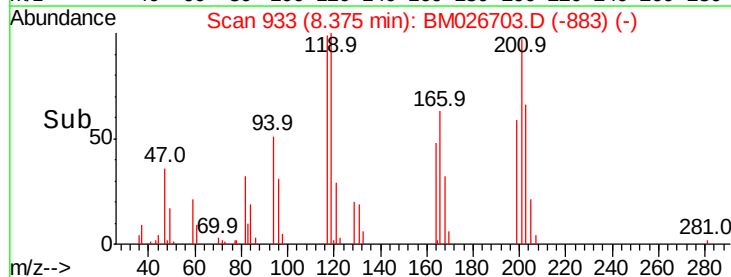
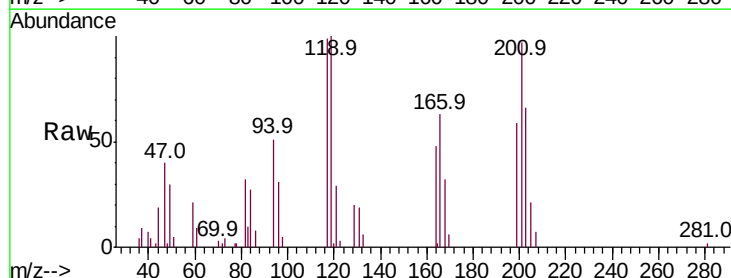
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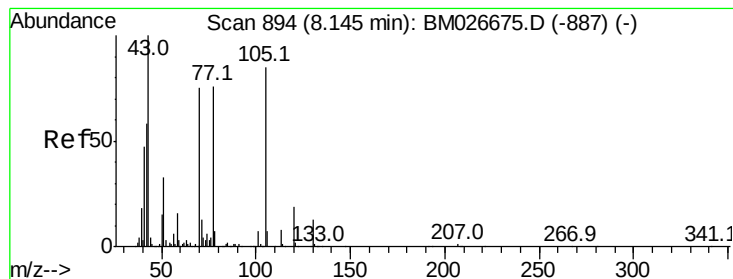
mohammad
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#18
Hexachloroethane
Concen: 8.196 ng
RT: 8.37 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	101.2	74.2	111.2	
201	98.0	73.6	110.4	





#19

n-Nitroso-di-n-propylamine

Concen: 7.380 ng

RT: 8.14 min Scan# 893

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

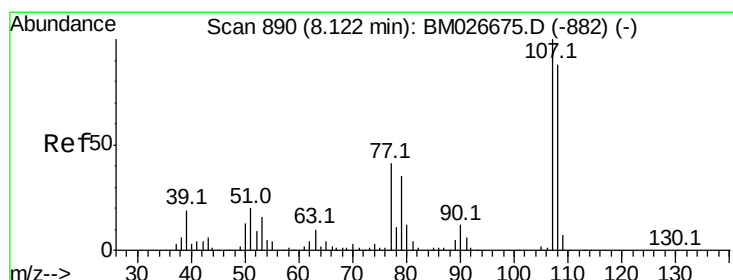
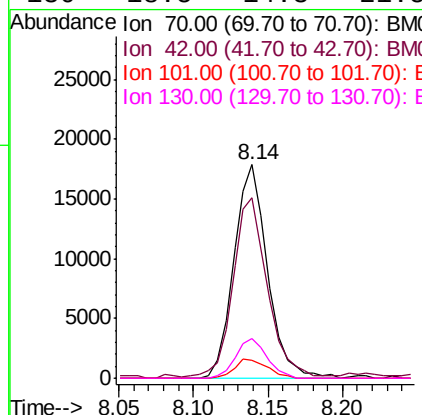
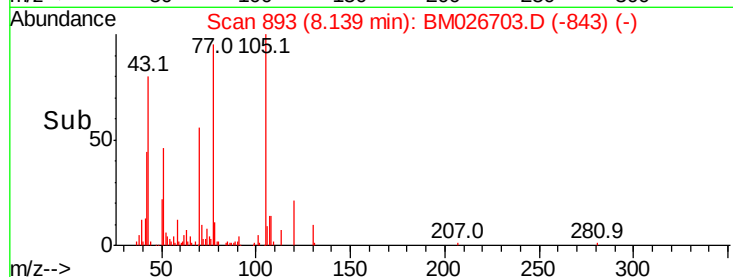
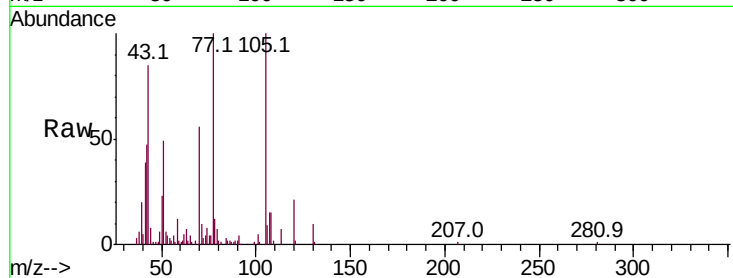
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	84.5	62.3	93.5	
101	8.4	7.1	10.7	
130	18.5	14.3	21.5	

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#20

3+4-Methylphenols

Concen: 7.088 ng

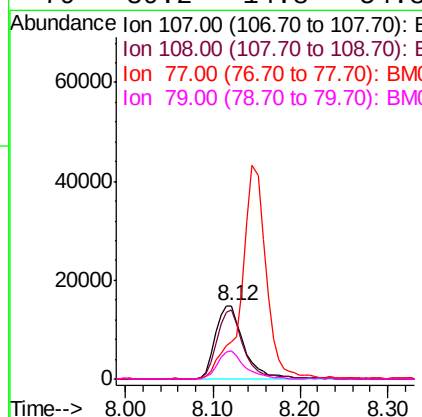
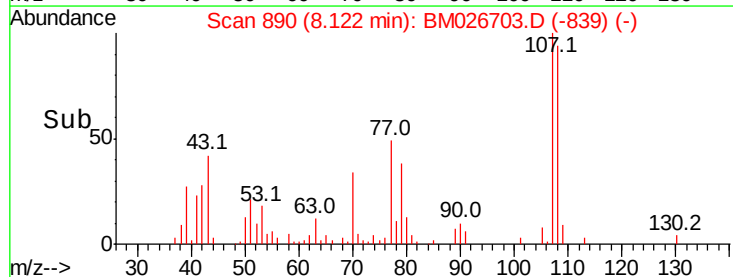
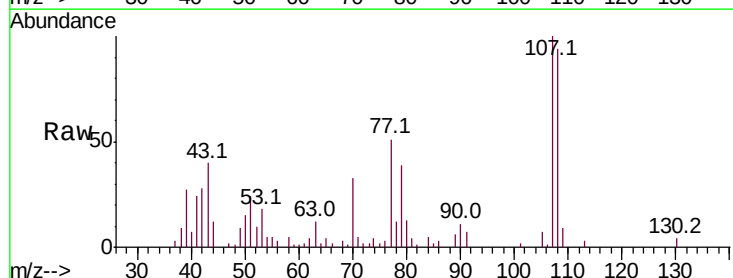
RT: 8.12 min Scan# 890

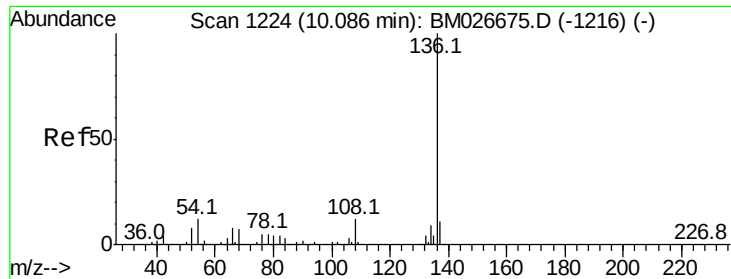
Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.9	68.5	108.5	
77	51.1	20.8	60.8	
79	39.2	14.8	54.8	





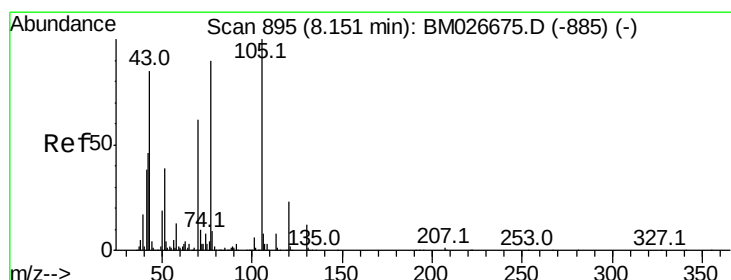
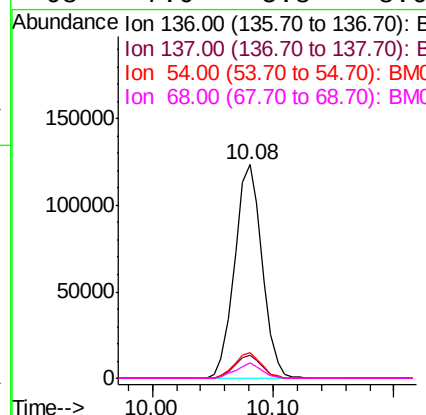
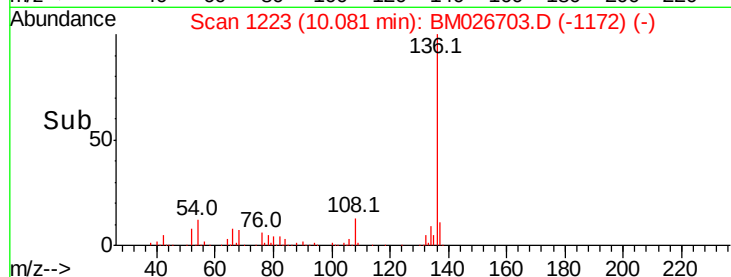
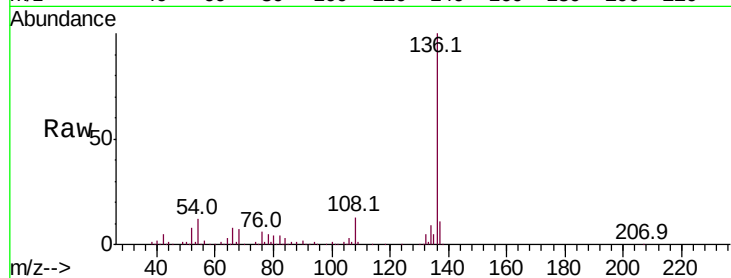
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	195751		
137	11.0		8.6	12.8
54	11.9		9.8	14.6
68	7.0		5.8	8.6

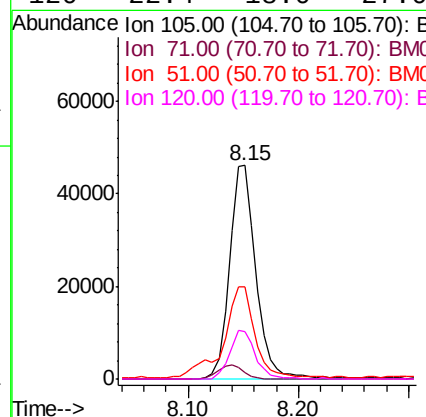
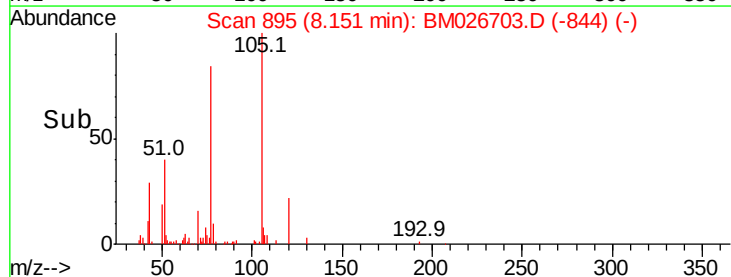
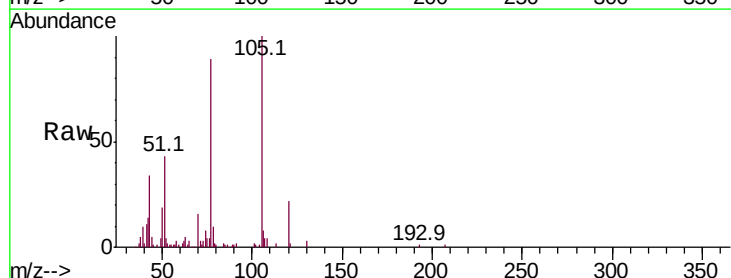
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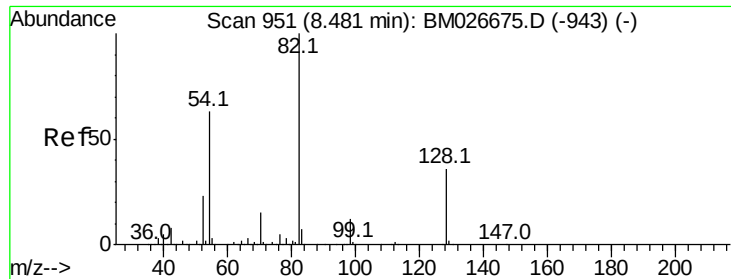
mohammad
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#22
Acetophenone
Concen: 13.869 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	77149		
71	2.8		8.1	12.1#
51	43.1		31.9	47.9
120	22.4		18.0	27.0





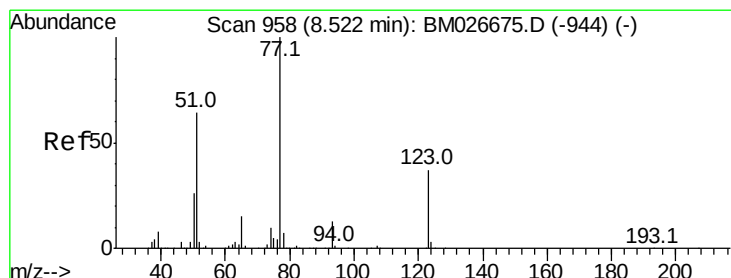
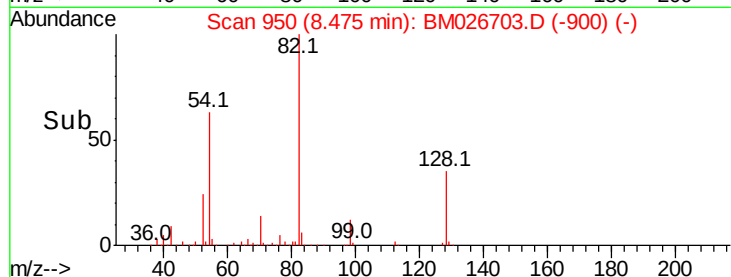
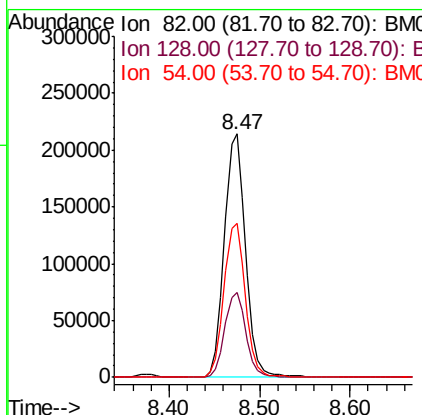
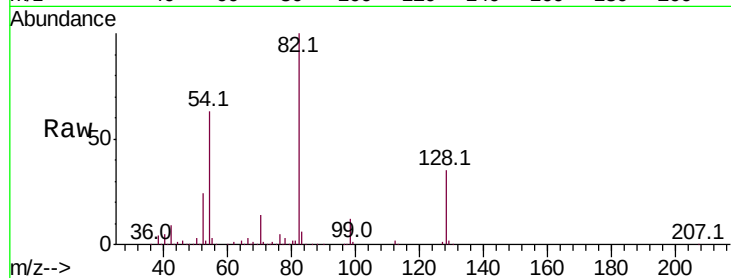
#23
 Nitrobenzene-d5
 Concen: 75.681 ng
 RT: 8.47 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.7	29.1	43.7	
54	63.1	50.2	75.4	

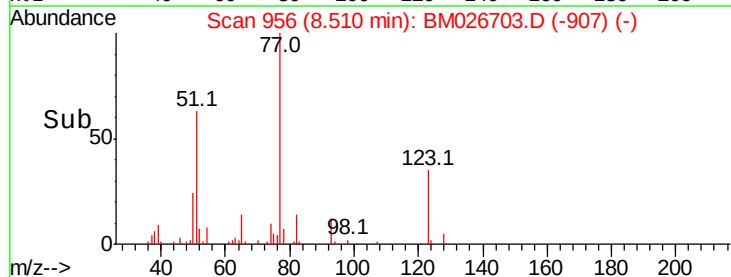
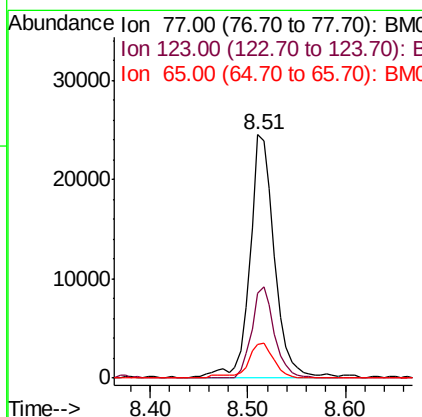
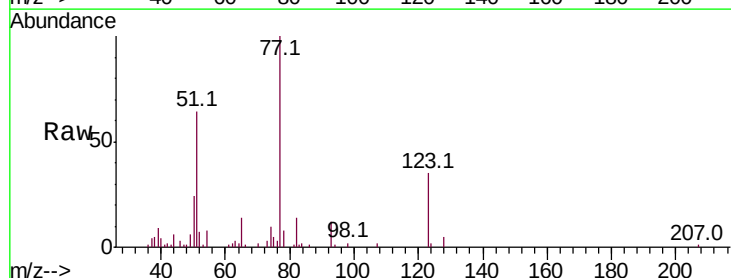
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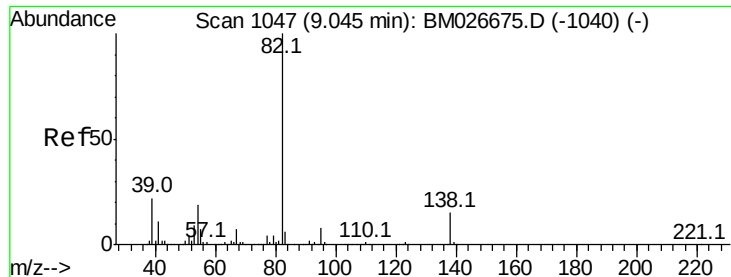
mohammad
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#24
 Nitrobenzene
 Concen: 9.061 ng
 RT: 8.51 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	34.7	29.8	44.6	
65	13.7	12.2	18.4	





#25

Isophorone

Concen: 7.917 ng

RT: 9.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

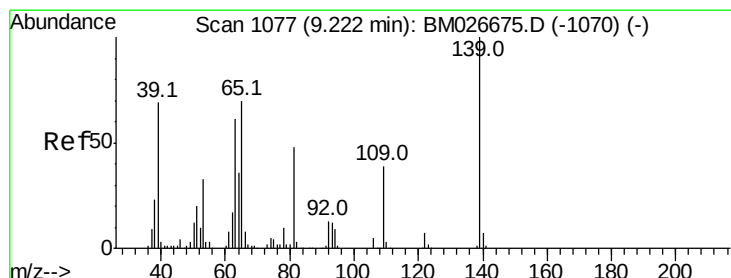
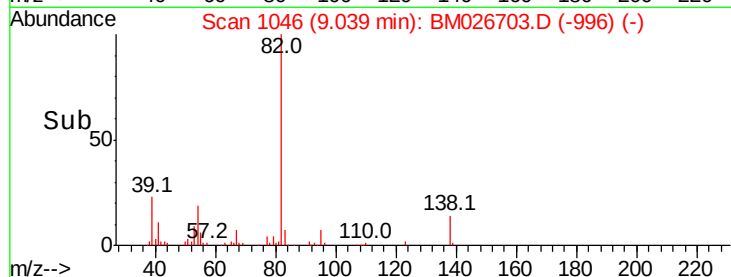
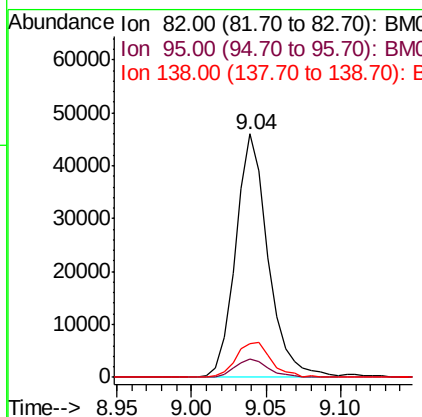
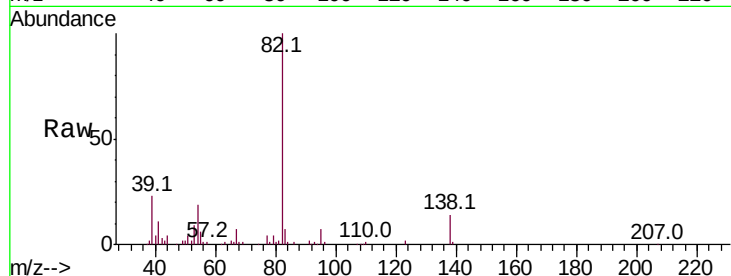
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	82	Resp:	69657
Ion Ratio	Lower	Upper	
82	100		
95	7.4	6.3	9.5
138	13.8	12.0	18.0

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#26

2-Nitrophenol

Concen: 7.509 ng

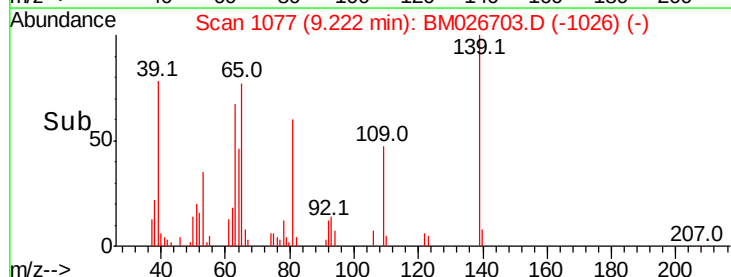
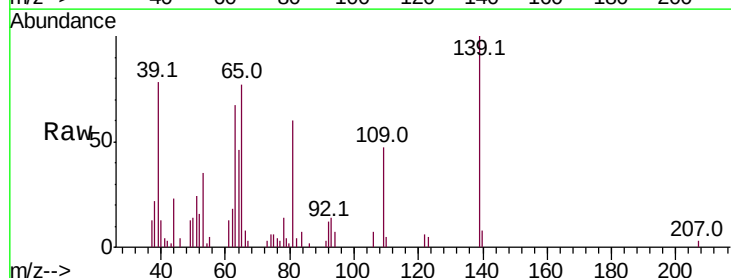
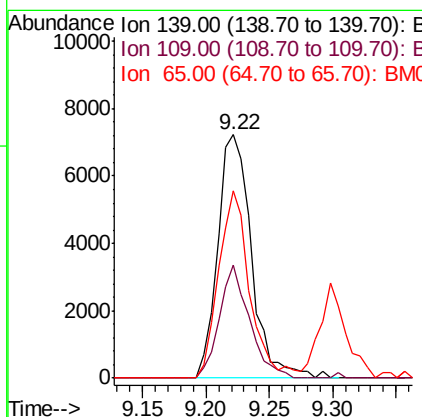
RT: 9.22 min Scan# 1077

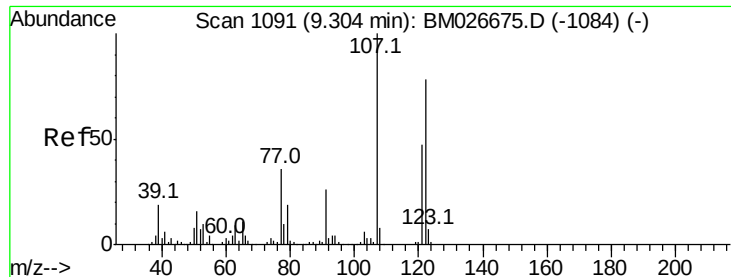
Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	139	Resp:	13377
Ion Ratio	Lower	Upper	
139	100		
109	46.7	30.8	46.2#
65	76.8	56.2	84.4





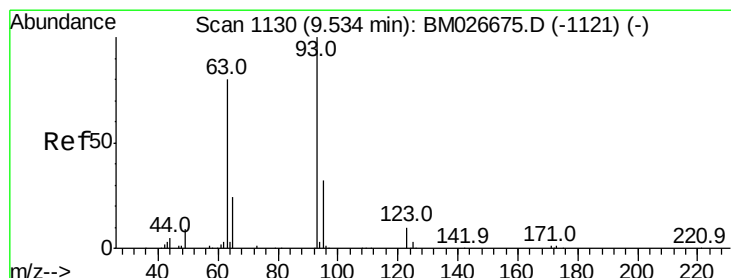
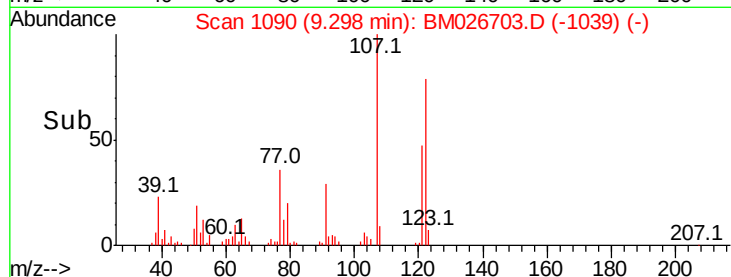
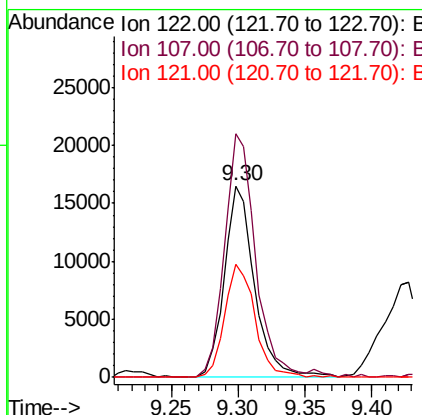
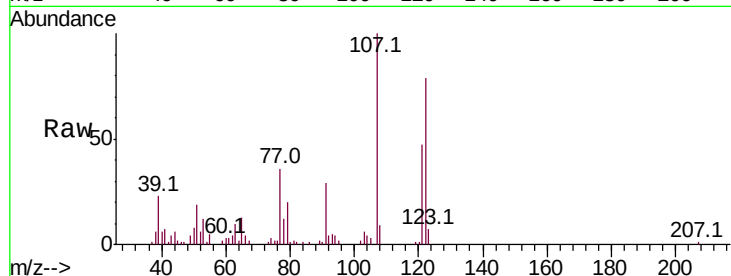
#27
2,4-Dimethylphenol
Concen: 9.037 ng
RT: 9.30 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	127.2	102.1	153.1
121	59.4	48.2	72.2

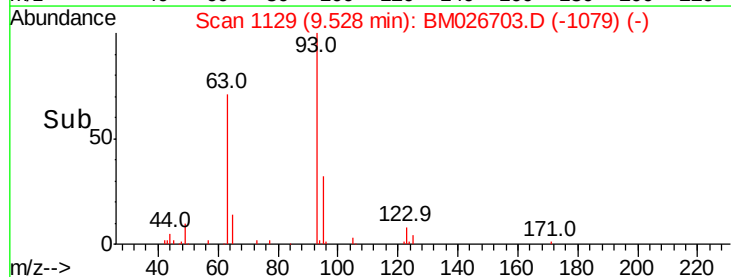
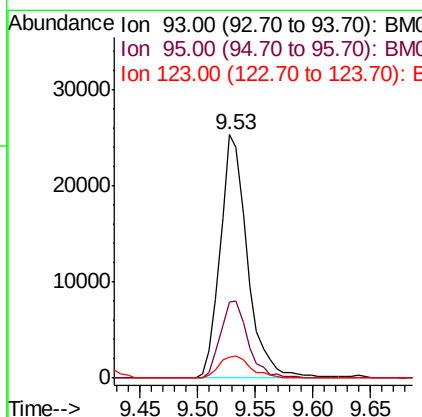
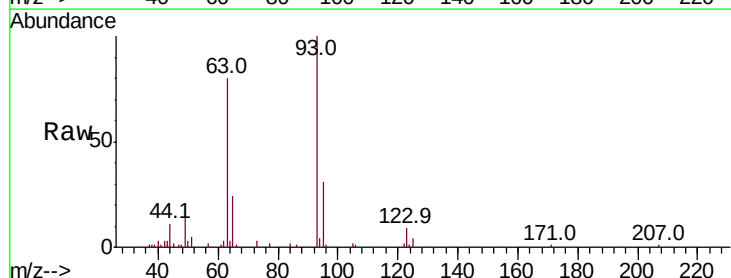
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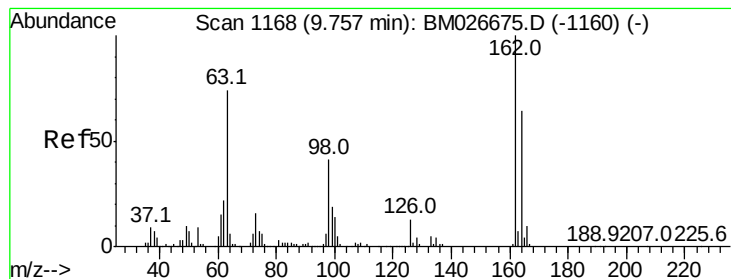
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#28
bis(2-Chloroethoxy)methane
Concen: 8.546 ng
RT: 9.53 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.7	38.5
123	8.6	8.7	13.1#





#29

2,4-Dichlorophenol

Concen: 7.715 ng

RT: 9.76 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

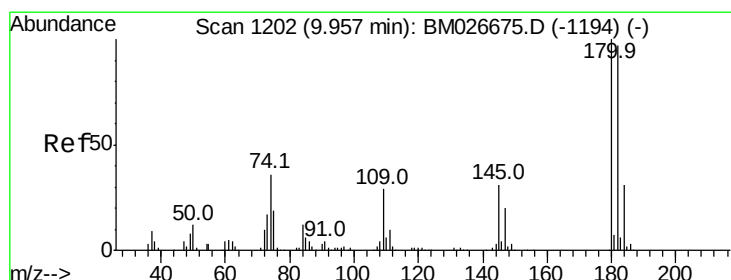
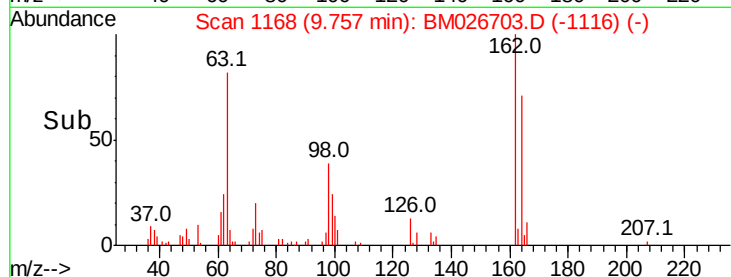
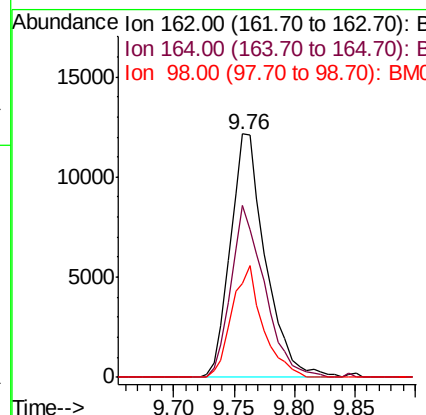
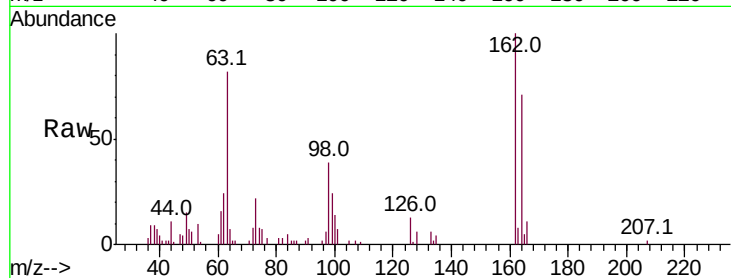
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	162	Resp:	24615
Ion Ratio	Lower	Upper	
162	100		
164	70.8	44.3	84.3
98	38.8	21.0	61.0

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#30

1,2,4-Trichlorobenzene

Concen: 8.609 ng

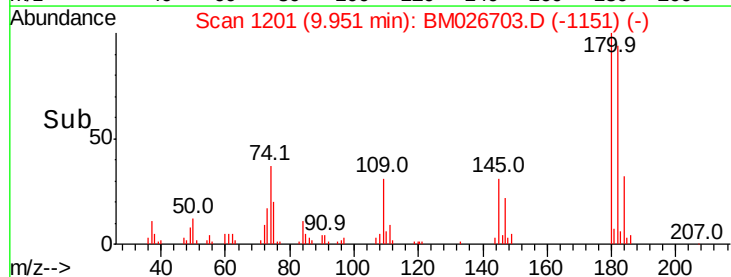
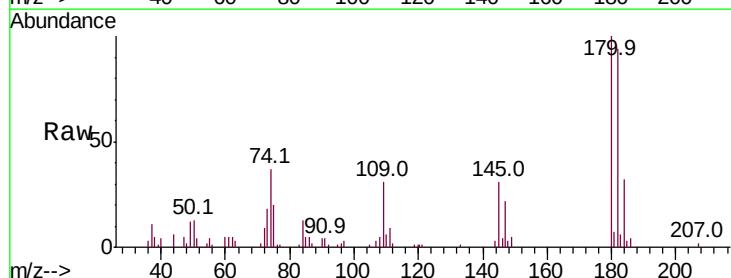
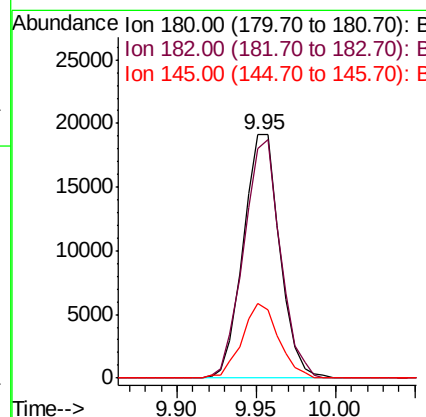
RT: 9.95 min Scan# 1201

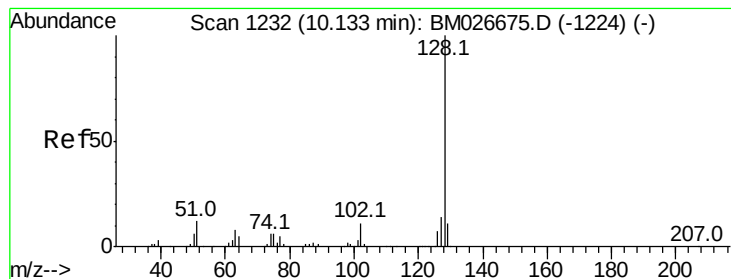
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	180	Resp:	30640
Ion Ratio	Lower	Upper	
180	100		
182	94.5	77.8	116.6
145	30.7	25.0	37.6





#31

Naphthalene

Concen: 8.862 ng

RT: 10.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

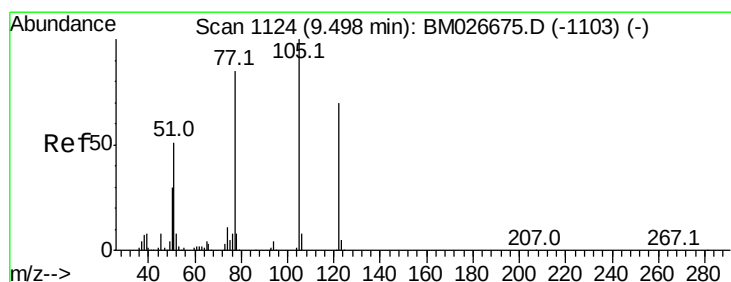
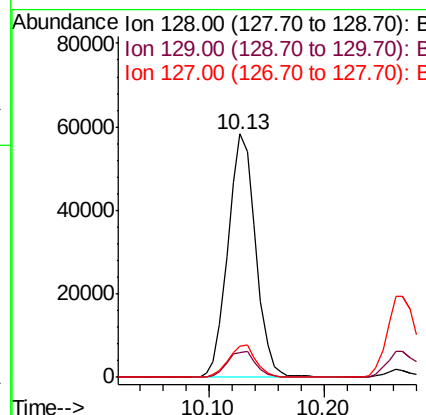
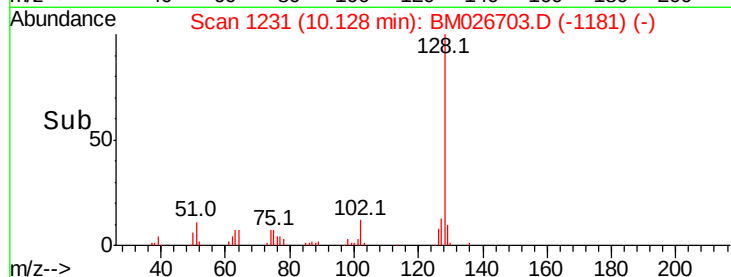
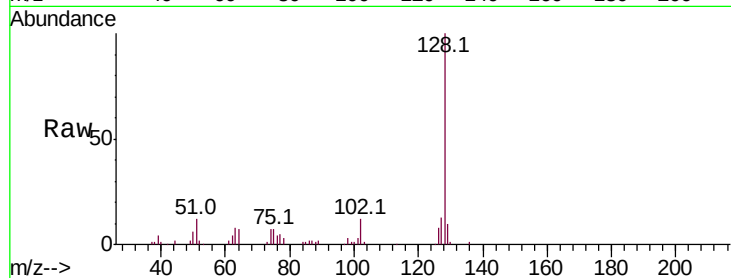
ClientSampleId :

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Tot Ion:	128	Resp:	96481
Ion Ratio	Lower	Upper	
128	100		
129	10.1	8.8	13.2
127	12.6	10.8	16.2

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#32

Benzoic acid

Concen: 7.784 ng

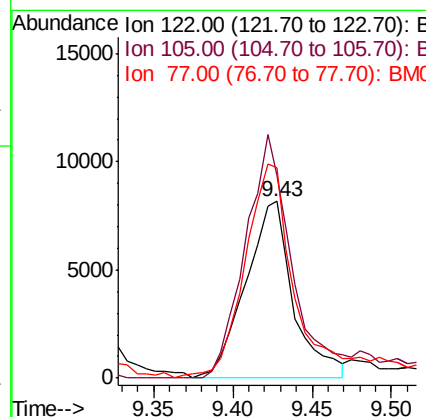
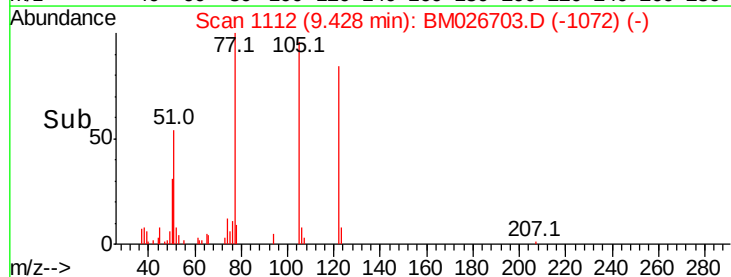
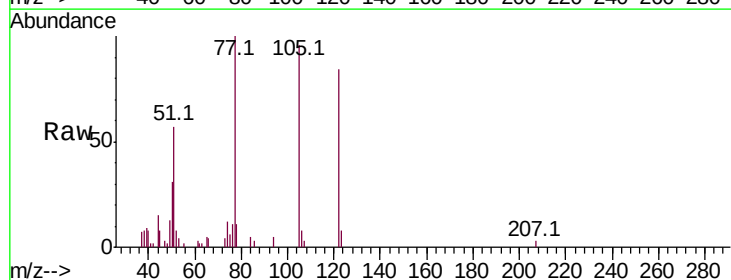
RT: 9.43 min Scan# 1112

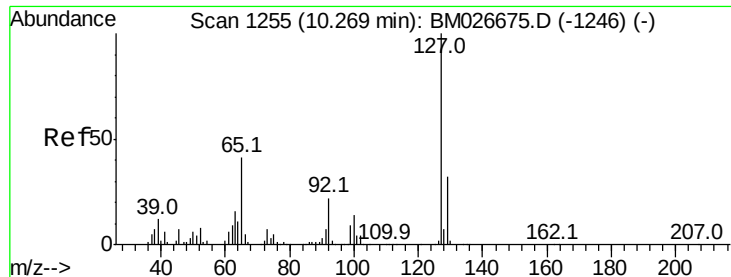
Delta R.T. -0.06 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	122	Resp:	17113
Ion Ratio	Lower	Upper	
122	100		
105	114.5	120.9	160.9#
77	119.1	100.0	140.0





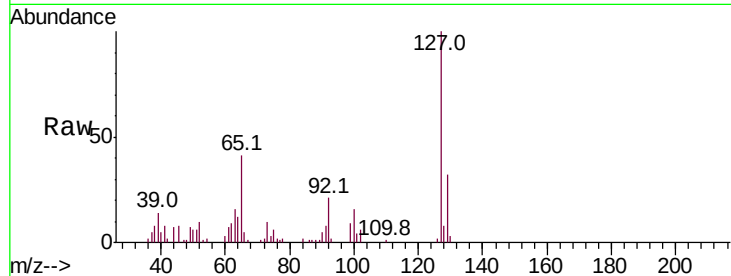
#33
4-Chloroaniline
Concen: 7.873 ng
RT: 10.27 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

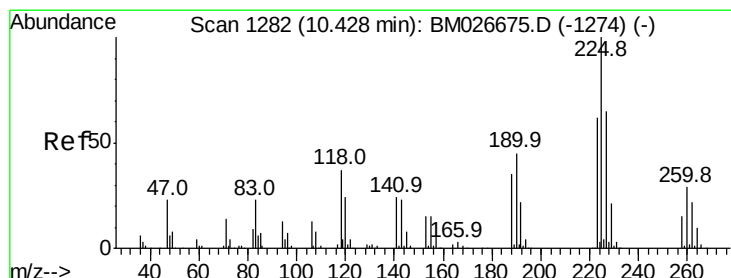
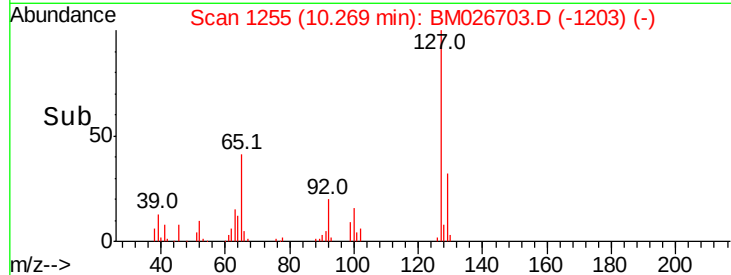
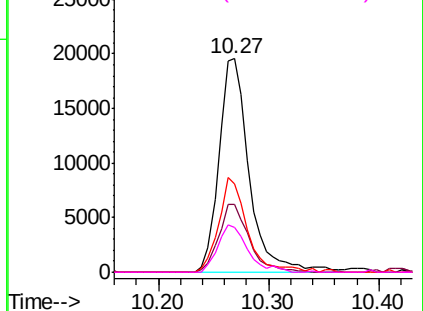
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.8	25.8	38.6	
65	41.3	32.5	48.7	
92	20.9	17.8	26.8	

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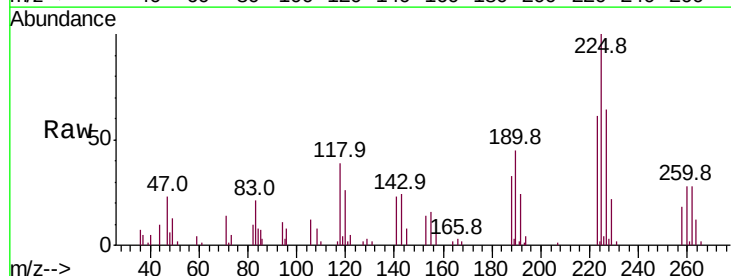


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

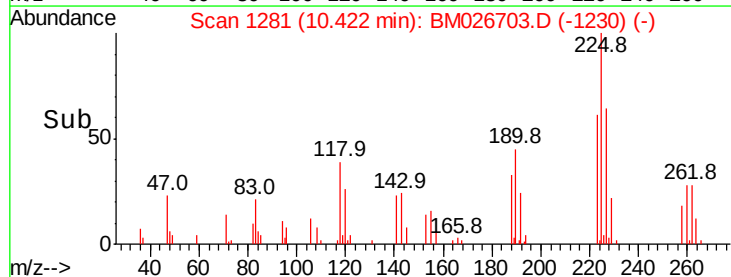
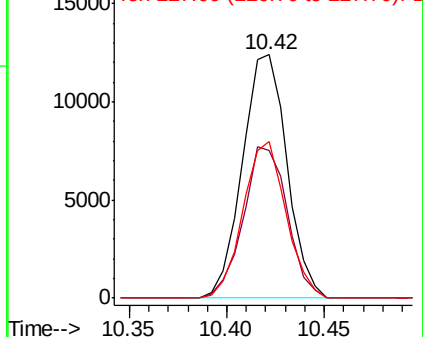


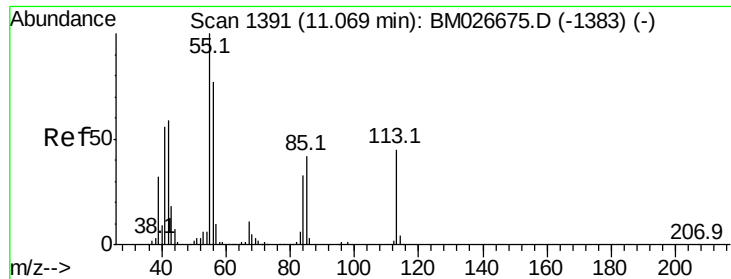
#34
Hexachlorobutadiene
Concen: 8.313 ng
RT: 10.42 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.7	49.8	74.8	
227	67.2	52.3	78.5	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 7.718 ng

RT: 11.05 min Scan# 1387

Delta R.T. -0.02 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:113 Resp: 8722

Ion Ratio Lower Upper

113 100

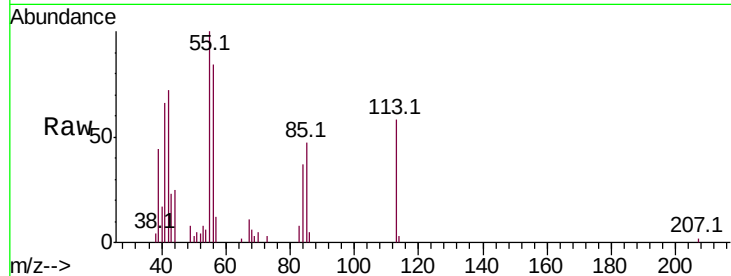
55 170.9 203.5 243.5#

56 144.0 151.6 191.6#

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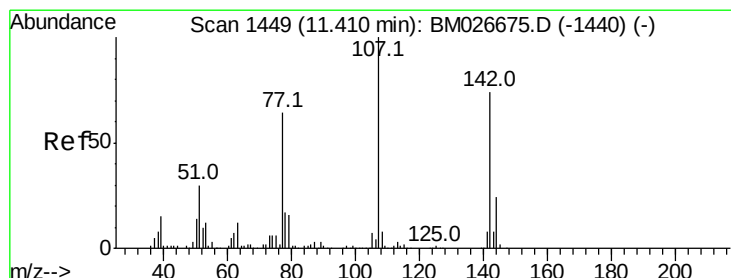
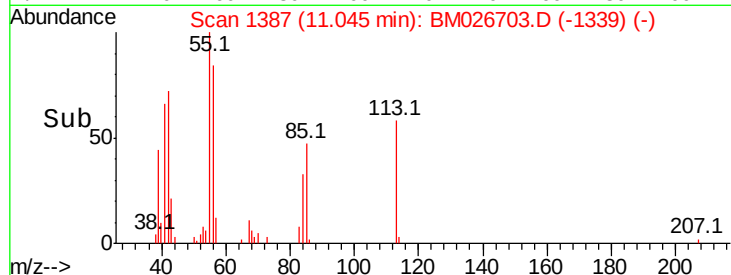
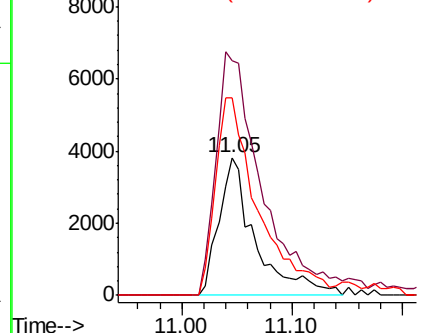
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 7.834 ng

RT: 11.41 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

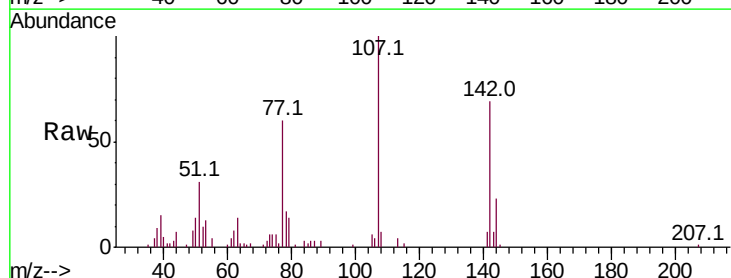
Tgt Ion:107 Resp: 31589

Ion Ratio Lower Upper

107 100

144 23.3 18.9 28.3

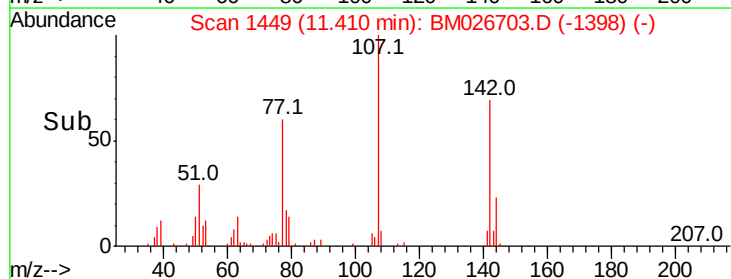
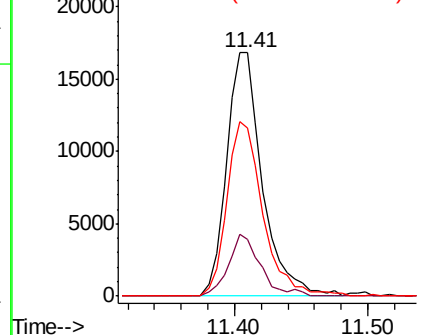
142 69.1 59.0 88.4

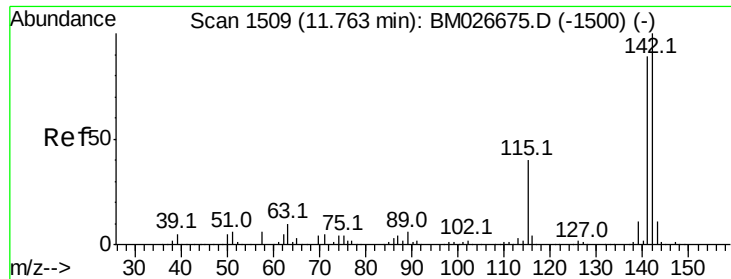


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





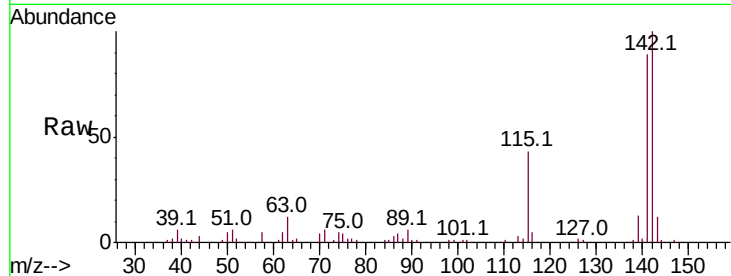
#37
2-Methylnaphthalene
Concen: 8.322 ng
RT: 11.76 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.0
115	43.5	32.1	48.1

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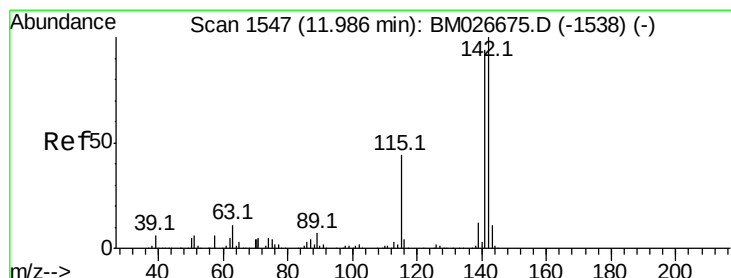
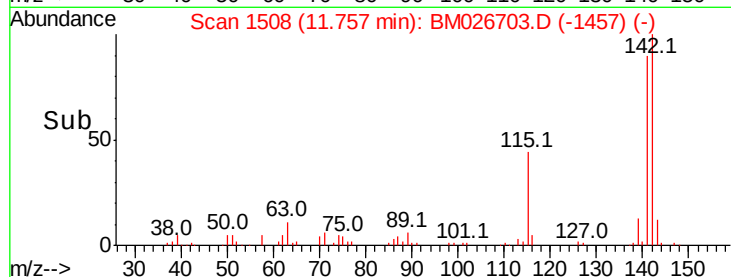
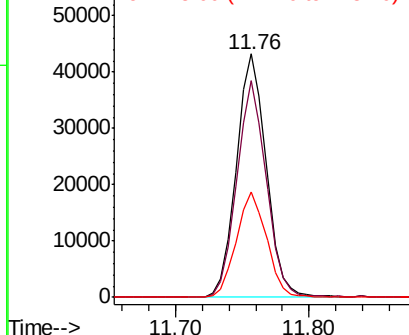


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 8.493 ng
RT: 11.98 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

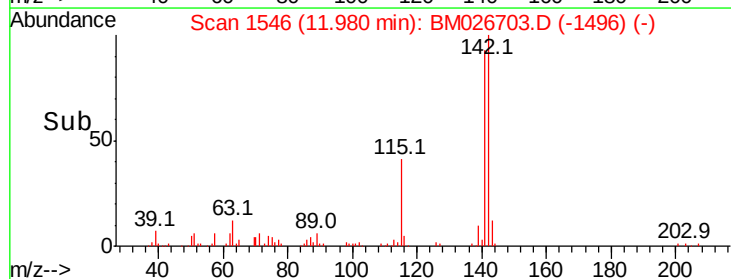
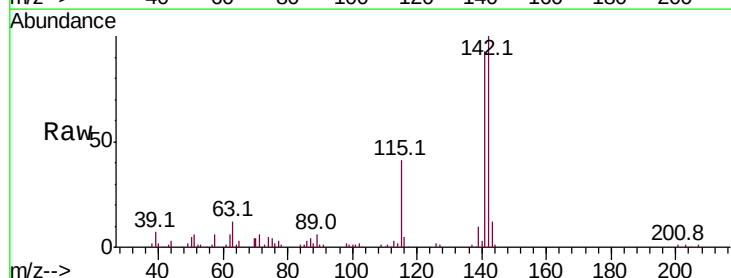
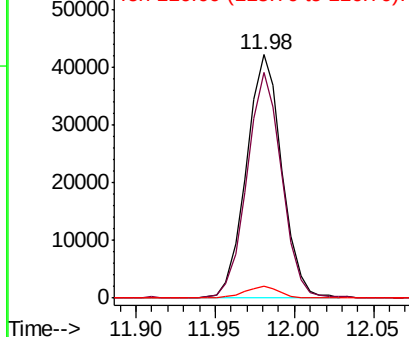
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	75.0	112.6
116	5.1	3.5	5.3

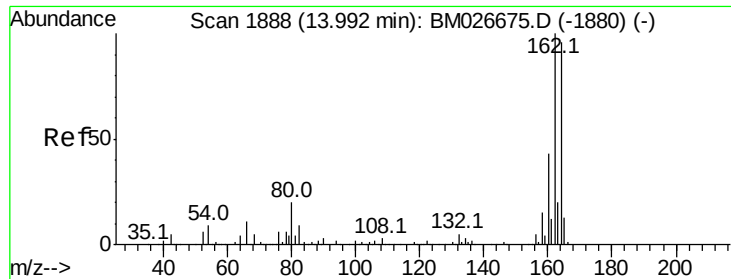
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





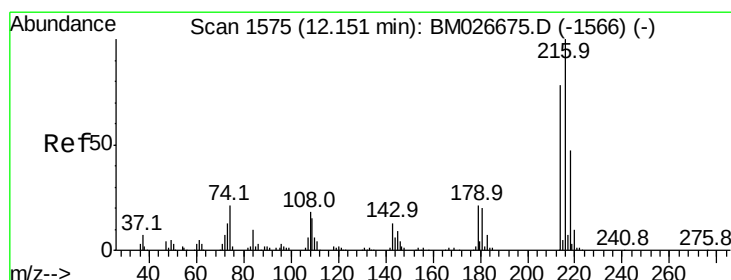
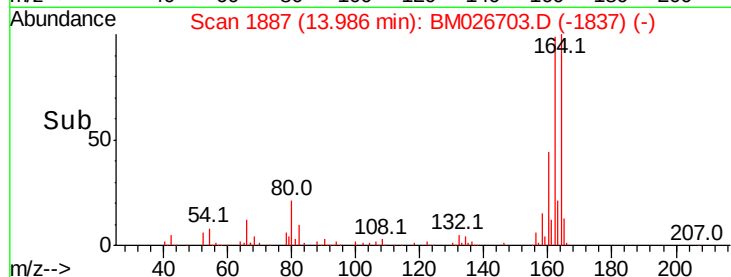
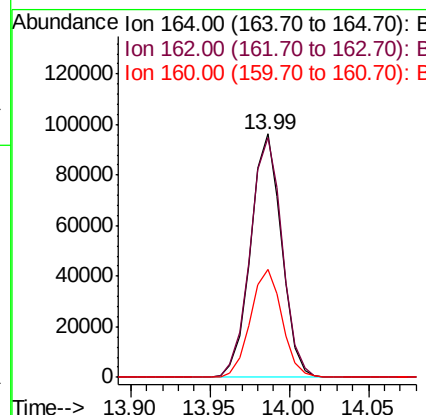
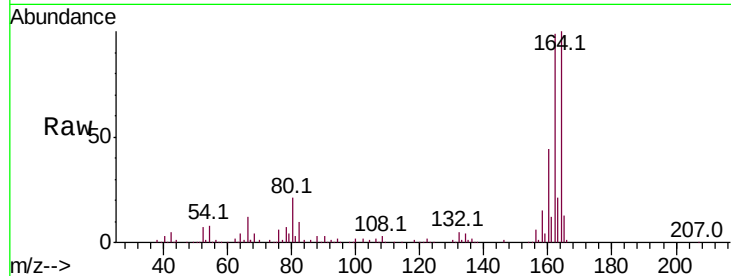
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.99 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	83.7	125.5
160	44.2	36.2	54.2

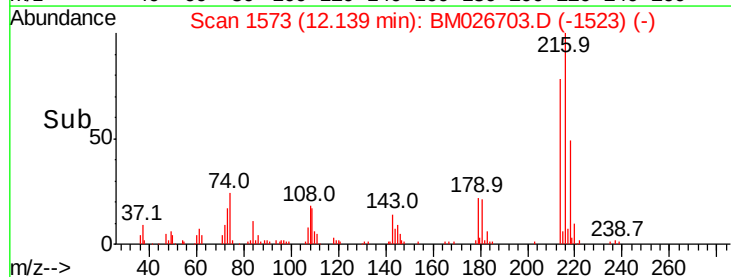
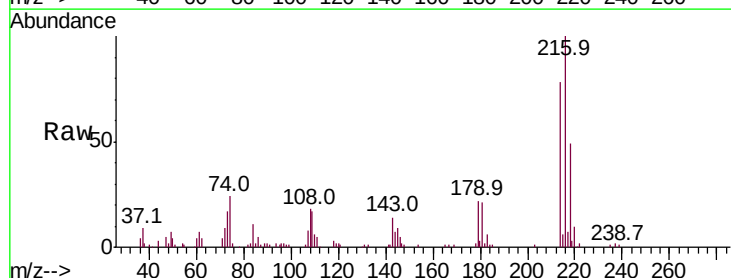
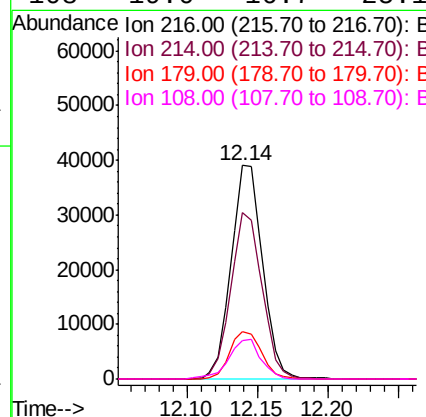
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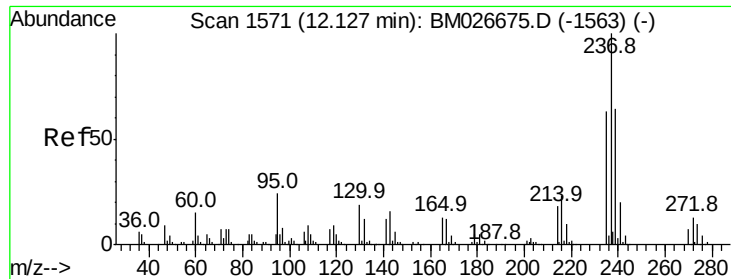
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 14.376 ng
RT: 12.14 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.6	93.8
179	22.4	17.5	26.3
108	19.0	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 6.143 ng

RT: 12.12 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

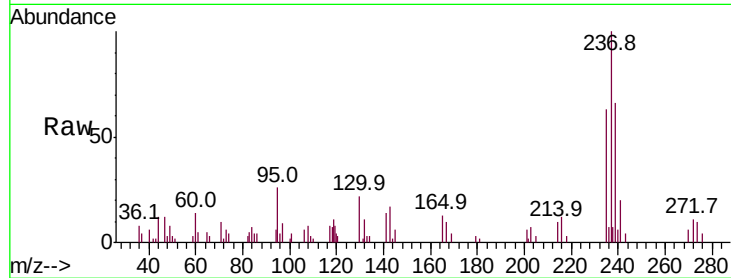
ClientSampleId :

LOQ-SOIL-02-QT3-2020

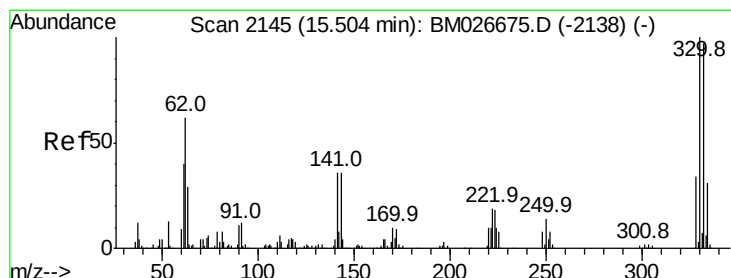
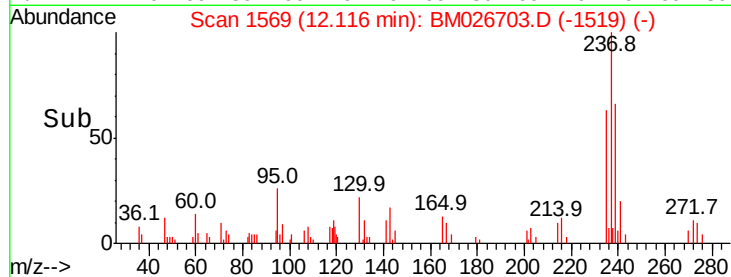
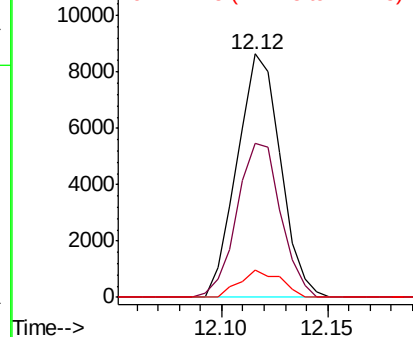
Tot Ion:	237	Resp:	12341
Ion Ratio	Lower	Upper	
237	100		
235	63.2	42.8	82.8
272	11.0	0.0	32.8

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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: 100.985 ng

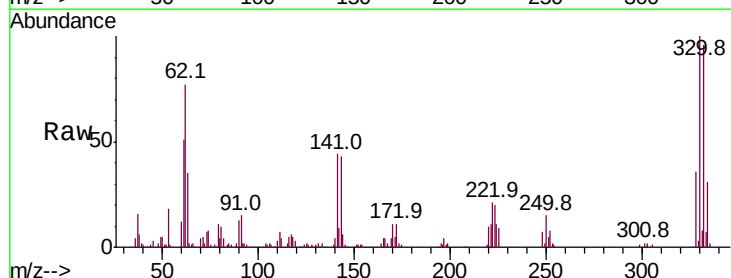
RT: 15.49 min Scan# 2143

Delta R.T. -0.01 min

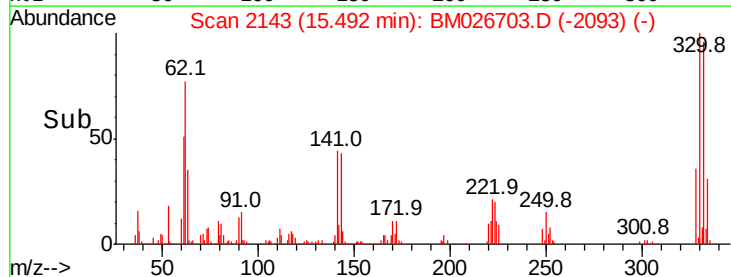
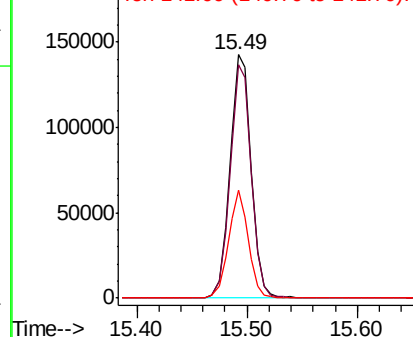
Lab File: BM026703.D

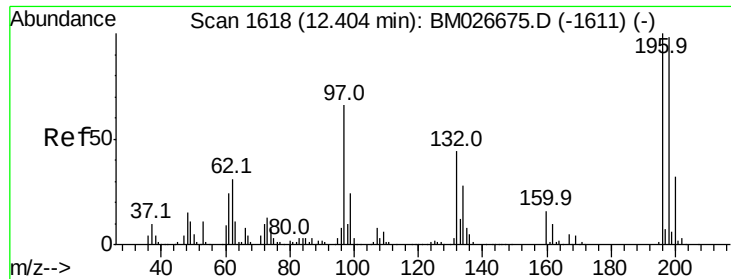
Acq: 08 Jul 2020 13:52

Tgt Ion:	330	Resp:	191579
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.5	116.3
141	41.4	32.4	48.6



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





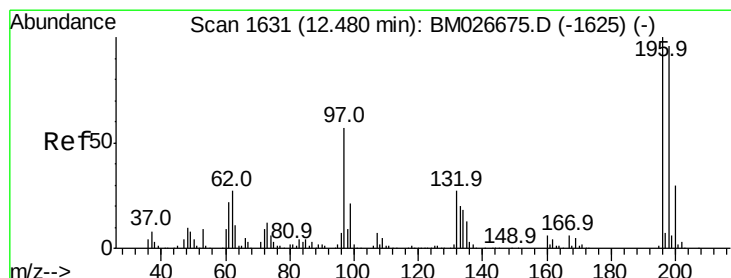
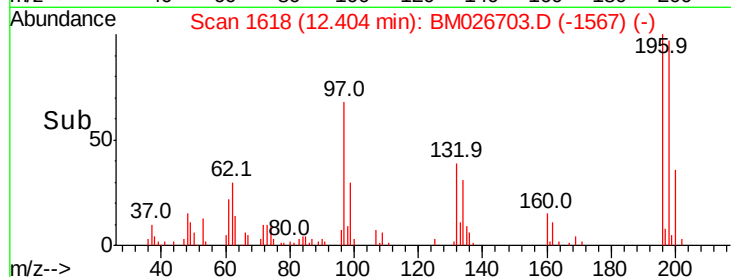
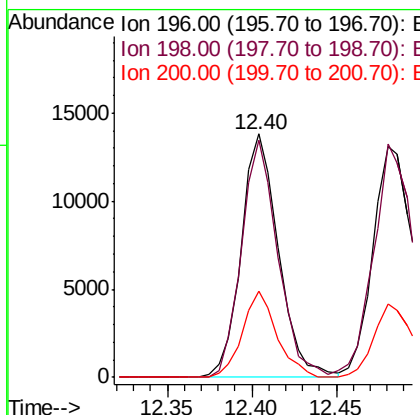
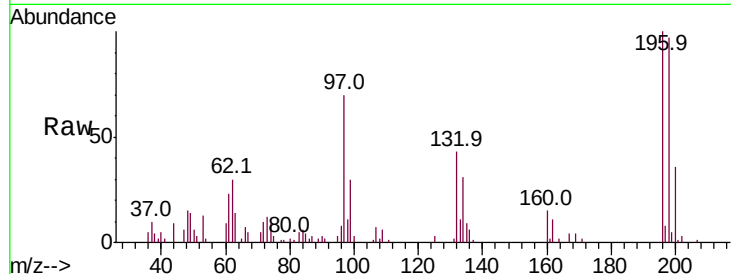
#43
 2,4,6-Trichlorophenol
 Concen: 7.735 ng
 RT: 12.40 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	21331		
198	97.3	78.6	118.0	
200	35.5	25.3	37.9	

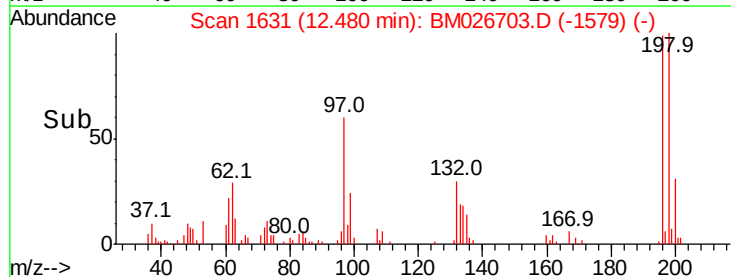
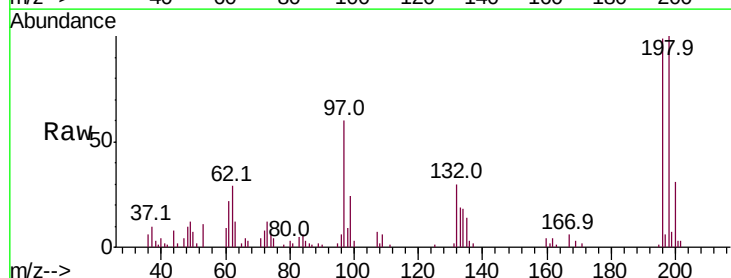
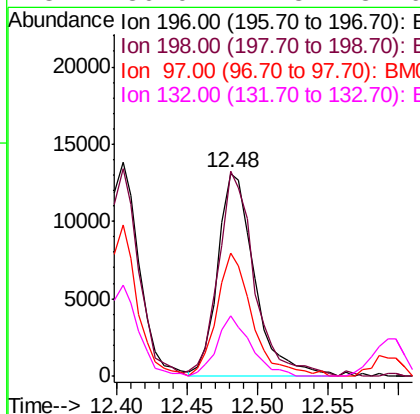
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 APPROVED

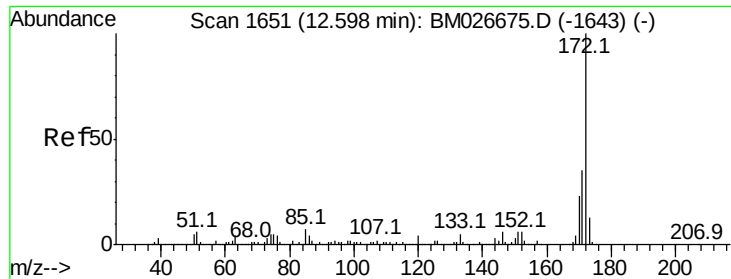
mohammad
 7/9/2020 10:59:49 AM



#44
 2,4,5-Trichlorophenol
 Concen: 7.329 ng
 RT: 12.48 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	23752		
198	101.0	77.0	115.6	
97	60.7	45.7	68.5	
132	30.0	21.8	32.6	





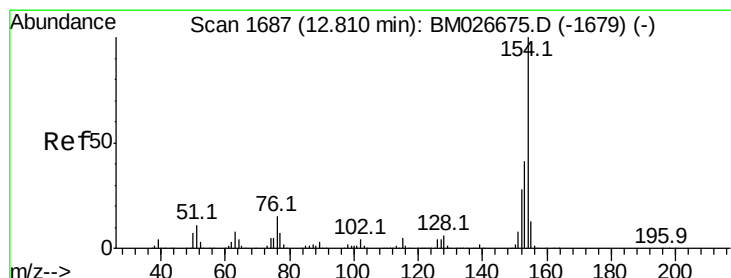
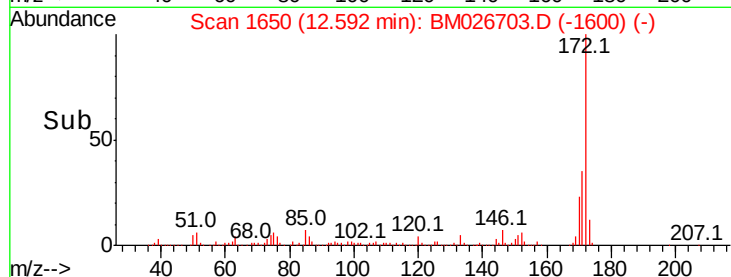
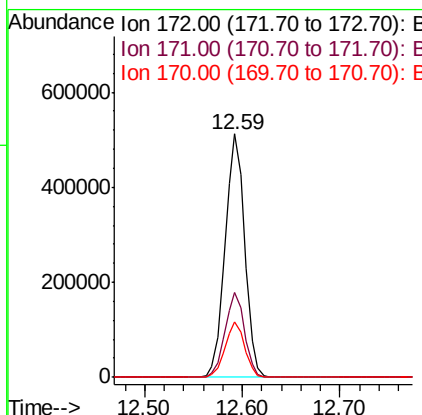
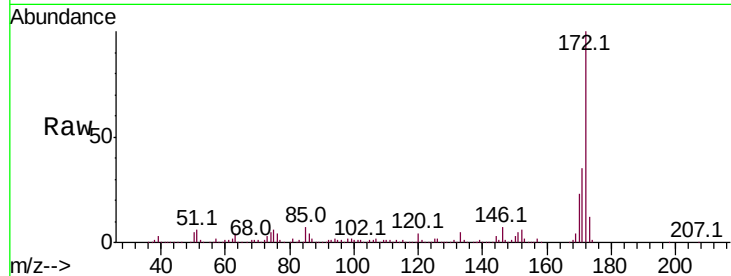
#45
2-Fluorobiphenyl
Concen: 72.663 ng
RT: 12.59 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	711720		
171	34.6		27.8	41.6
170	22.7		18.5	27.7

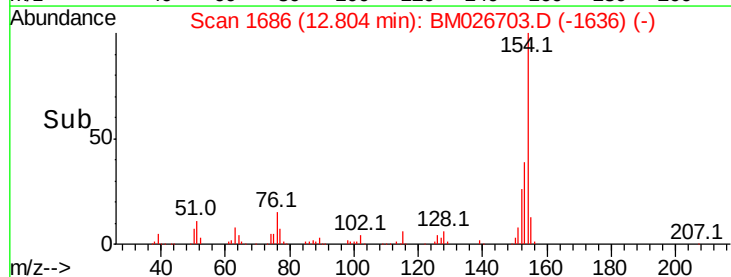
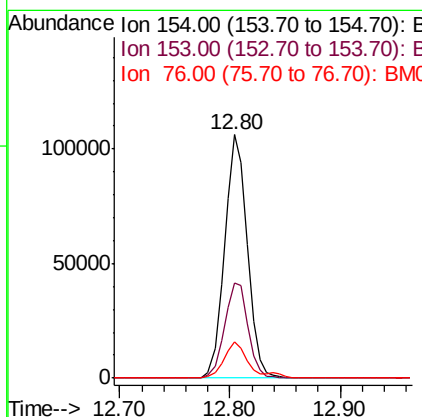
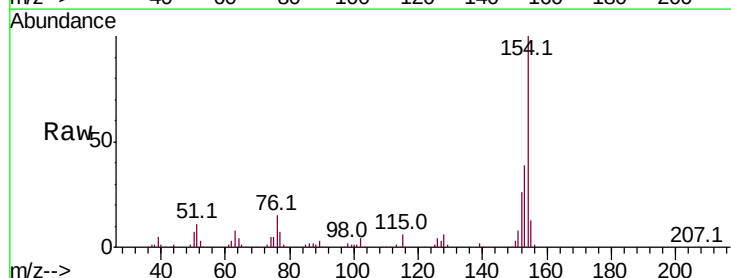
Manual Integrations
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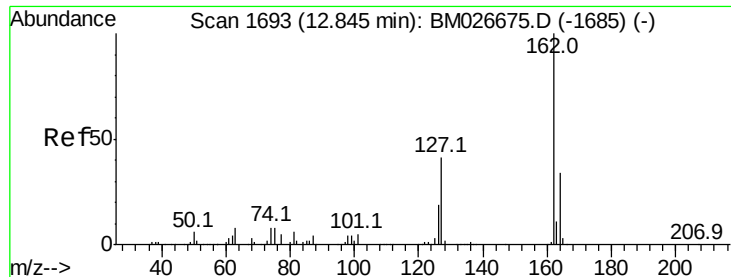
mohammad
7/9/2020 10:59:49 AM



#46
1,1'-Biphenyl
Concen: 14.824 ng
RT: 12.80 min Scan# 1686
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	152493		
153	39.1		20.9	60.9
76	14.8		0.0	35.2





#47

2-Chloronaphthalene

Concen: 8.412 ng

RT: 12.84 min Scan# 1692

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

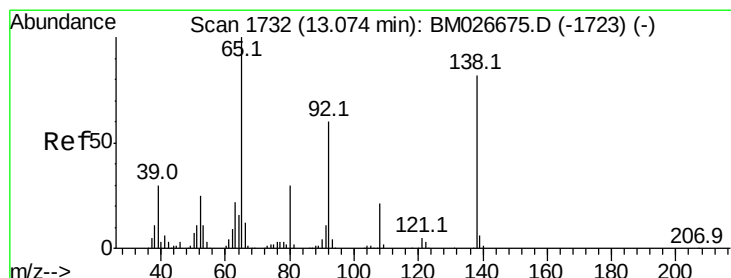
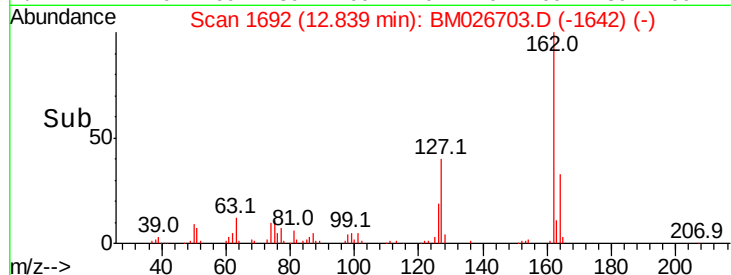
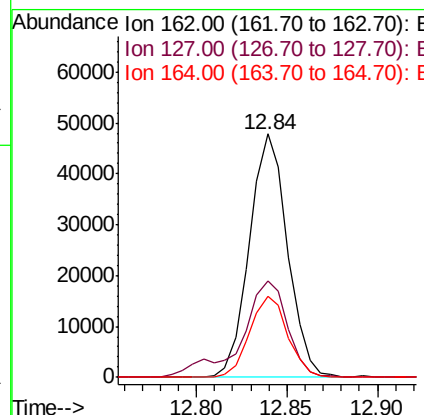
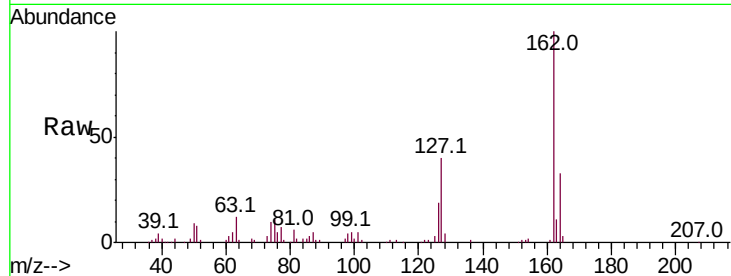
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	162	Resp:	69903
Ion Ratio	Lower	Upper	
162	100		
127	39.8	34.0	51.0
164	33.1	26.9	40.3

Manual Integrations
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#48

2-Nitroaniline

Concen: 6.959 ng

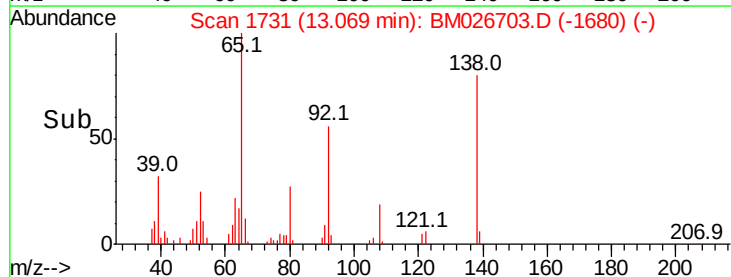
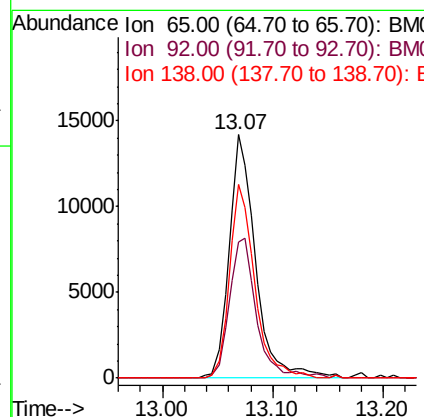
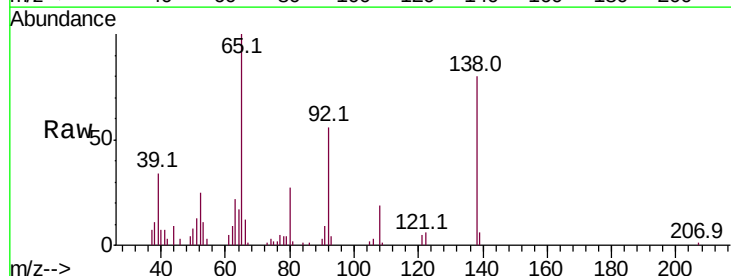
RT: 13.07 min Scan# 1731

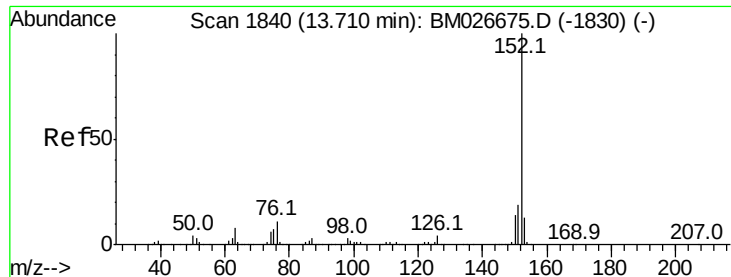
Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	65	Resp:	23798
Ion Ratio	Lower	Upper	
65	100		
92	55.7	47.8	71.8
138	79.8	65.6	98.4





#49

Acenaphthylene

Concen: 8.283 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

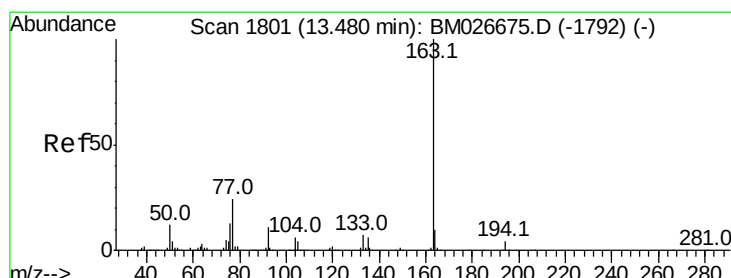
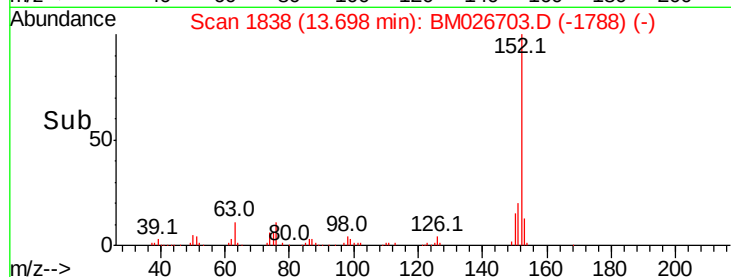
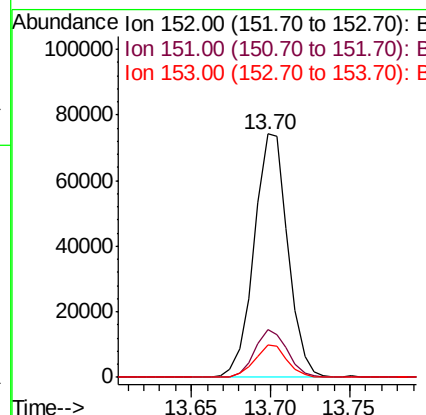
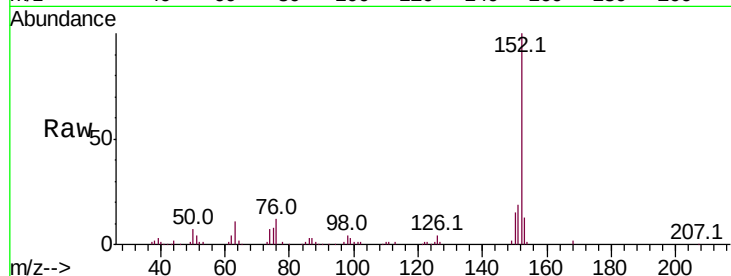
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.5	15.6	23.4	
153	13.2	10.4	15.6	

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#50

Dimethylphthalate

Concen: 8.414 ng

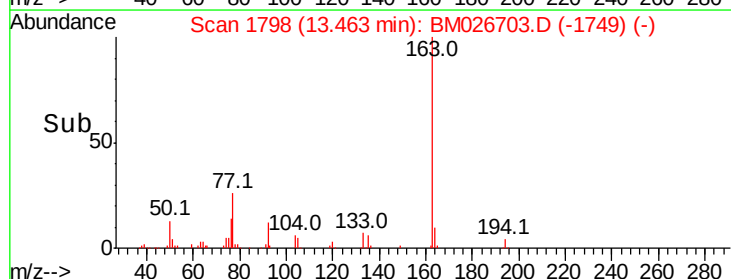
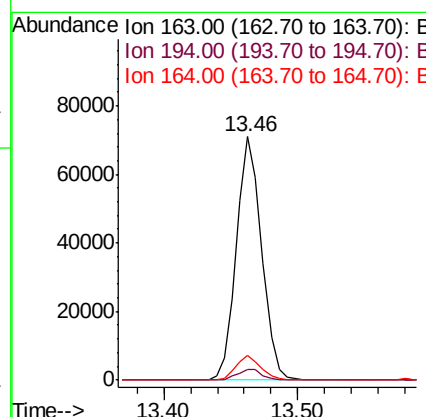
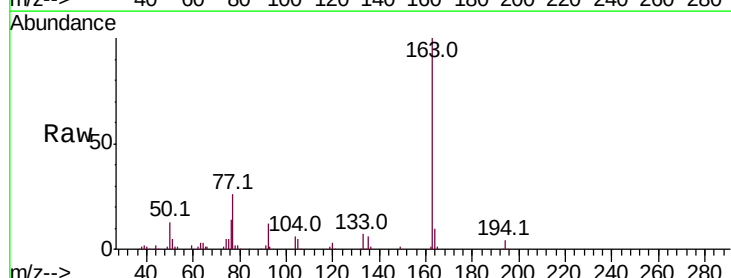
RT: 13.46 min Scan# 1798

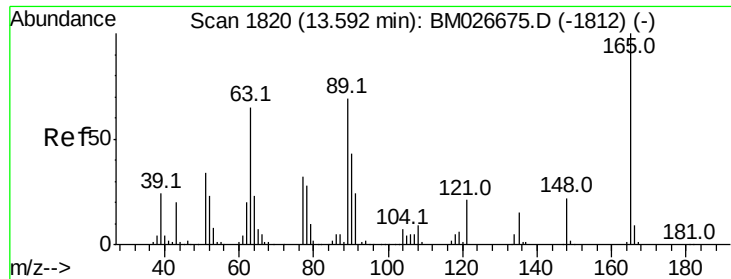
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	3.4	5.2	
164	10.1	7.8	11.6	





#51

2,6-Dinitrotoluene

Concen: 7.983 ng

RT: 13.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

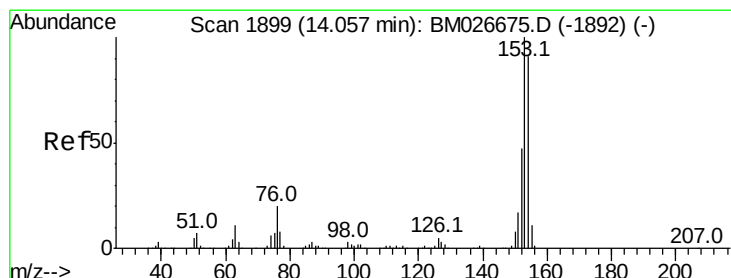
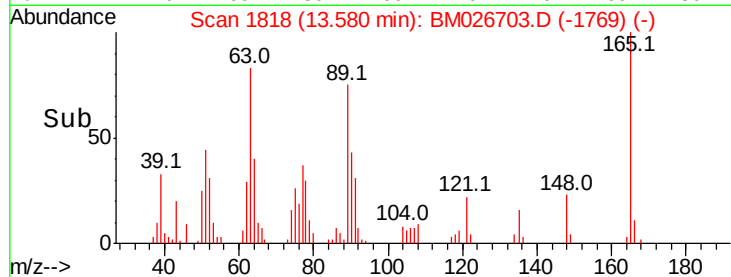
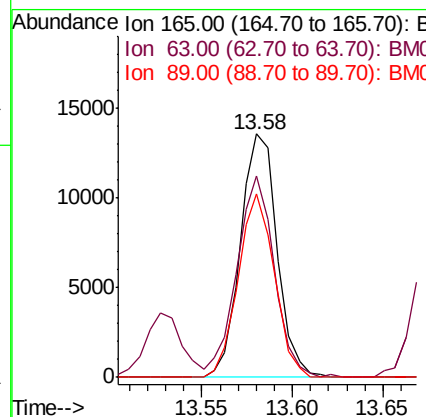
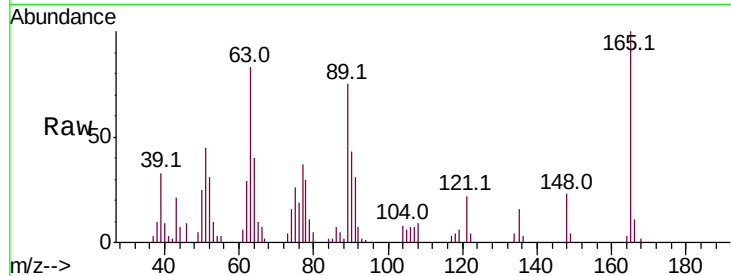
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	165	Resp:	19043
Ion Ratio	Lower	Upper	
165	100		
63	82.5	61.1	91.7
89	75.1	54.9	82.3

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#52

Acenaphthene

Concen: 8.204 ng

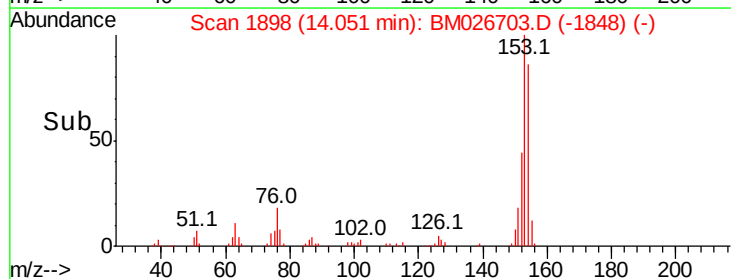
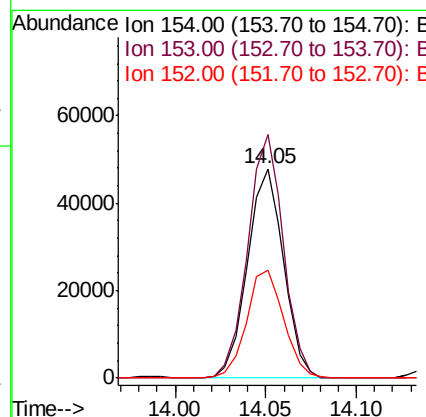
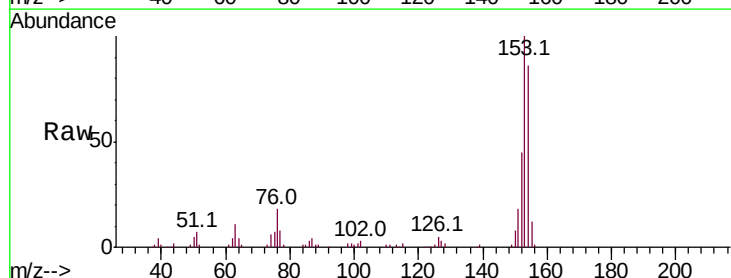
RT: 14.05 min Scan# 1898

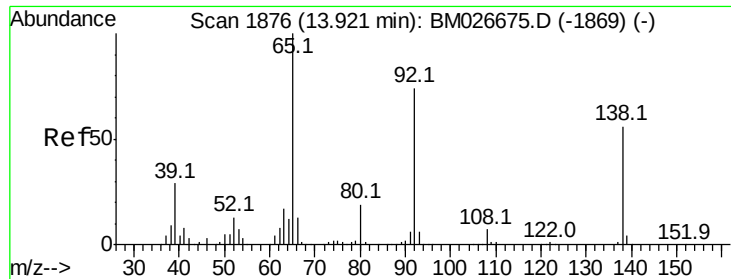
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	154	Resp:	66236
Ion Ratio	Lower	Upper	
154	100		
153	116.1	88.3	132.5
152	51.7	41.1	61.7





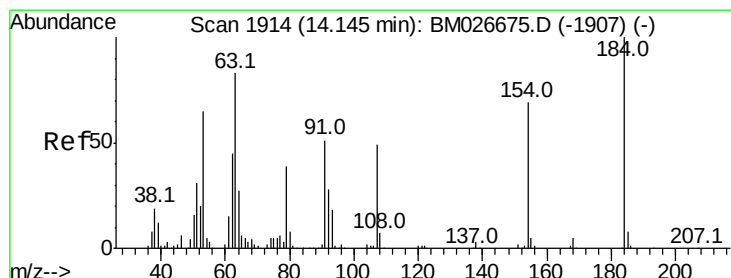
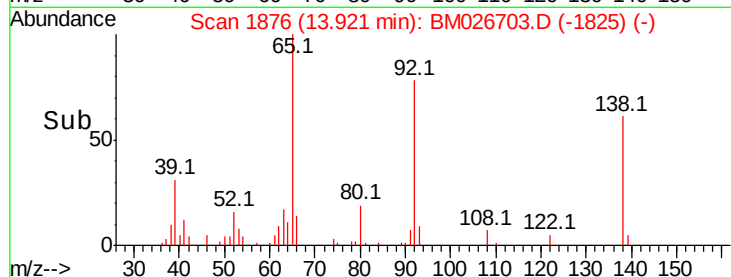
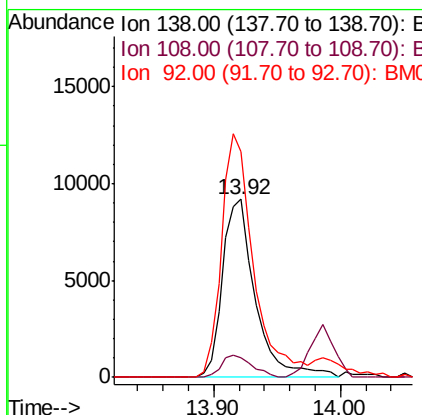
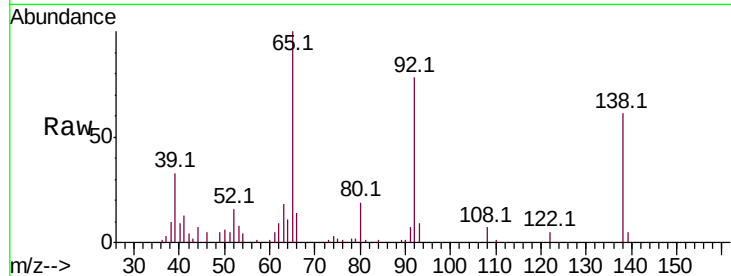
#53
3-Nitroaniline
Concen: 6.623 ng
RT: 13.92 min Scan# 1876
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.7	14.5
92	127.2	105.6	158.4

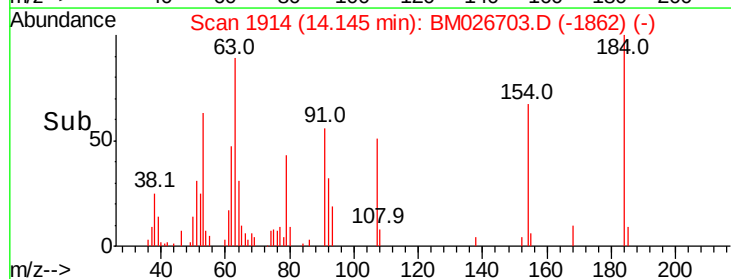
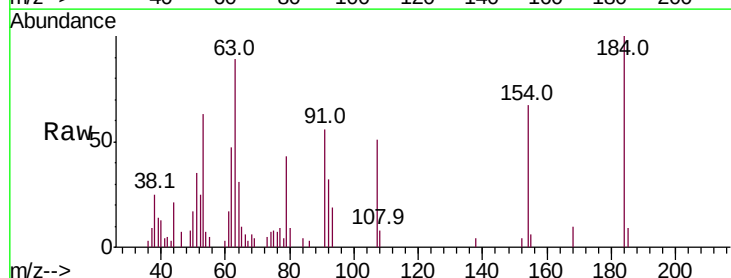
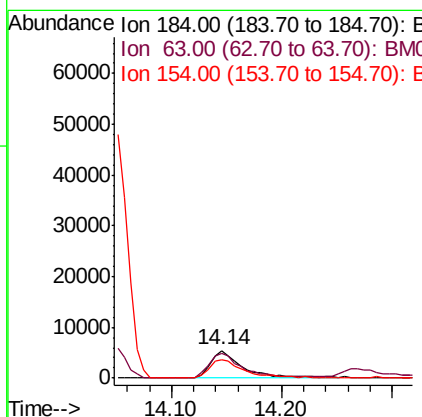
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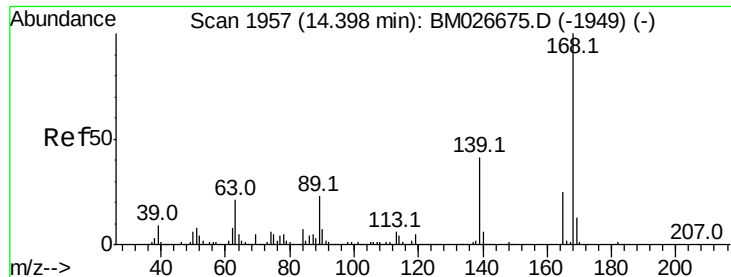
mohammad
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#54
2,4-Dinitrophenol
Concen: 7.727 ng
RT: 14.14 min Scan# 1914
Delta R.T. 0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	88.9	66.2	99.4
154	66.5	55.2	82.8





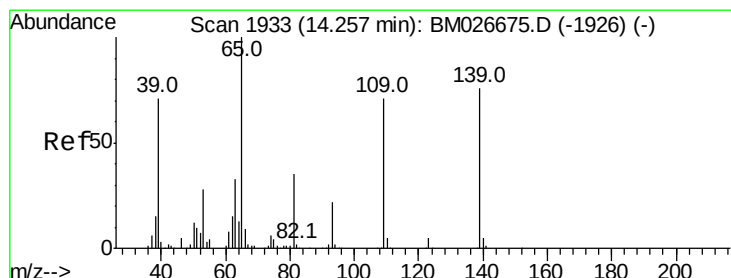
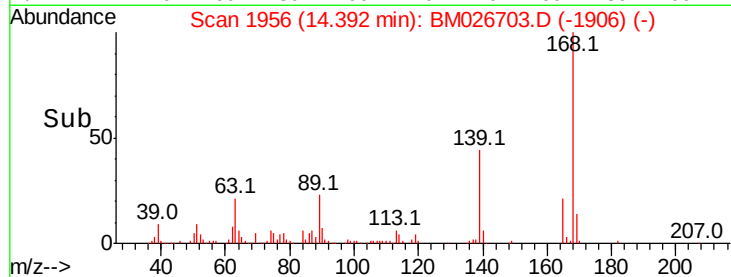
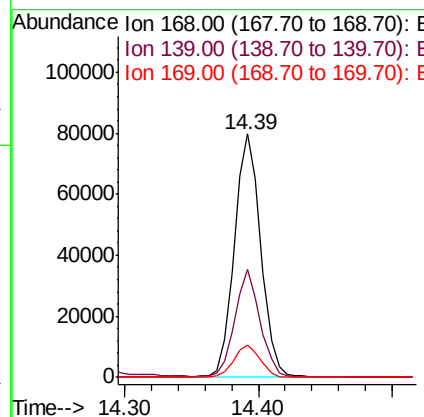
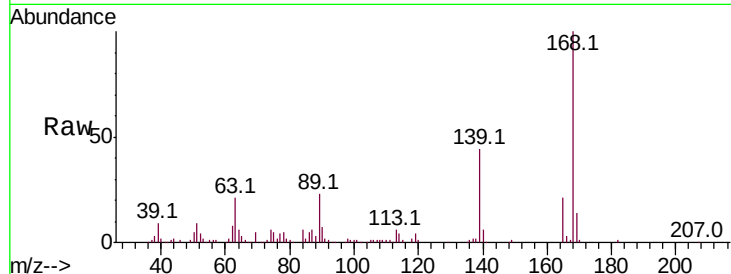
#55
Dibenzofuran
Concen: 8.306 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	44.2	32.6	48.8	
169	13.5	10.5	15.7	

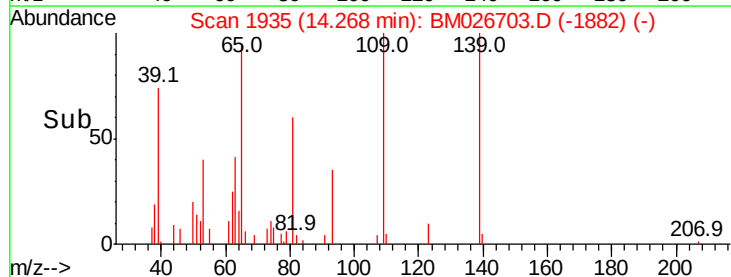
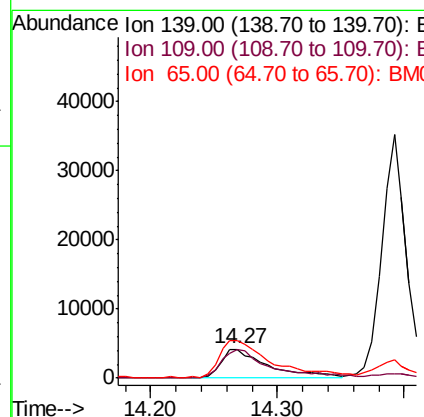
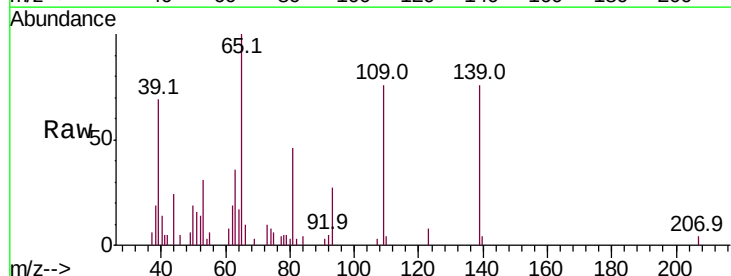
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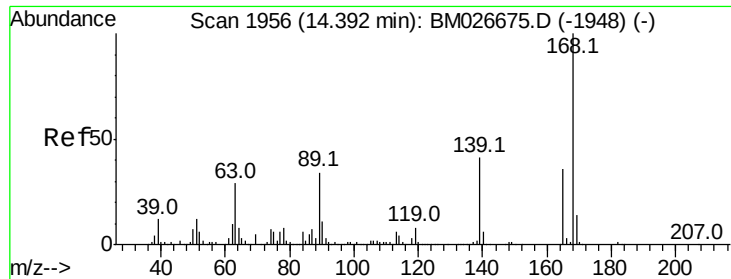
mohammad
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#56
4-Nitrophenol
Concen: 5.507 ng
RT: 14.27 min Scan# 1935
Delta R.T. 0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	100.0	73.7	113.7	
65	130.9	111.5	151.5	





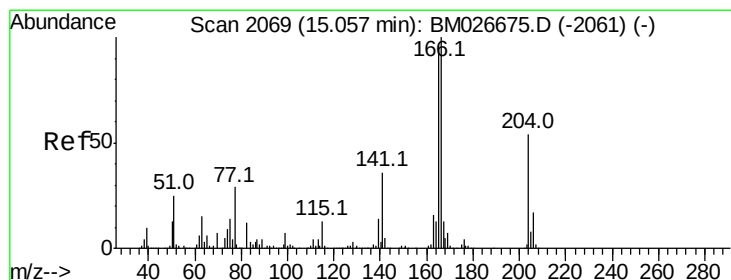
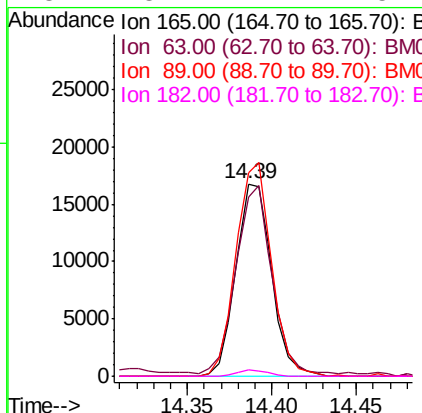
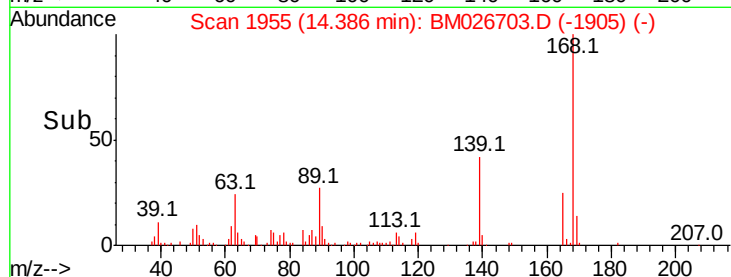
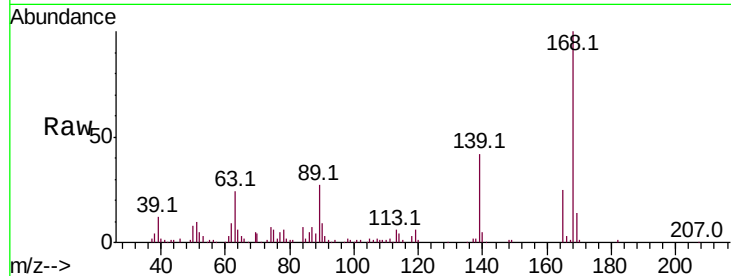
#57
2,4-Dinitrotoluene
Concen: 7.189 ng
RT: 14.39 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	93.4	64.6	97.0
89	106.0	75.4	113.2
182	3.2	2.2	3.4

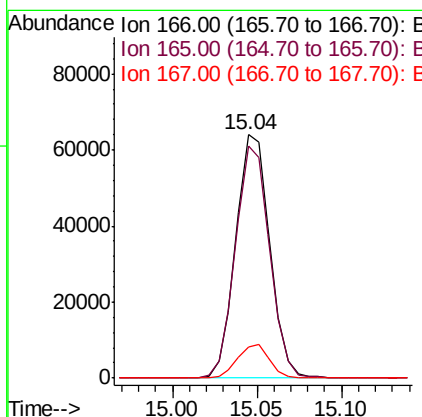
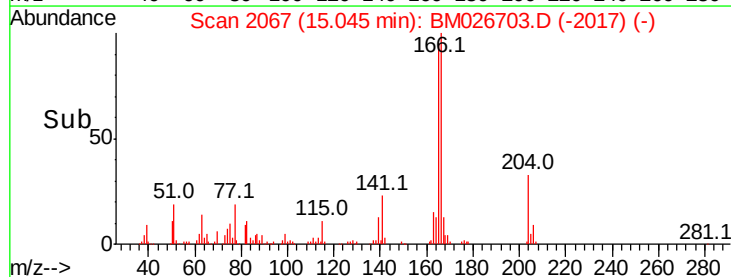
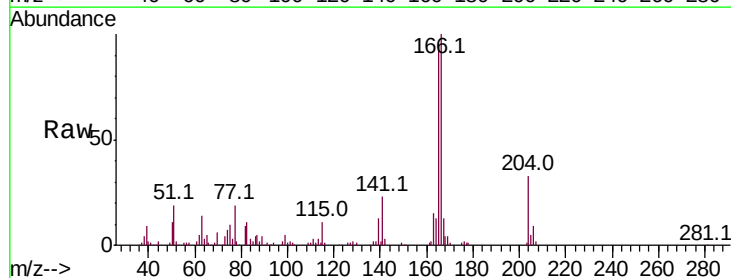
Manual Integrations
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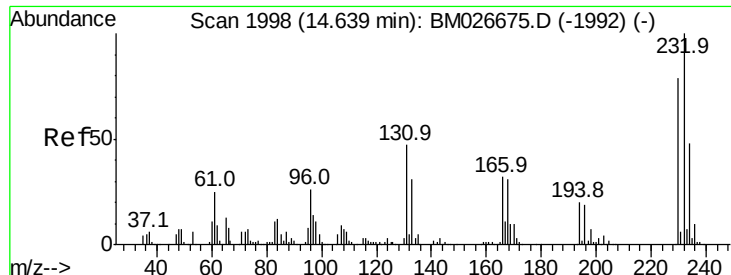
mohammad
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#58
Fluorene
Concen: 8.176 ng
RT: 15.04 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.1	115.7
167	13.0	10.8	16.2





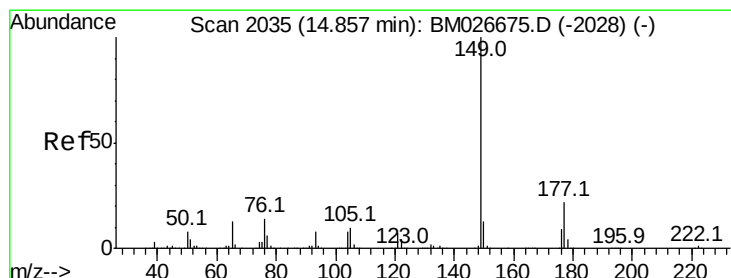
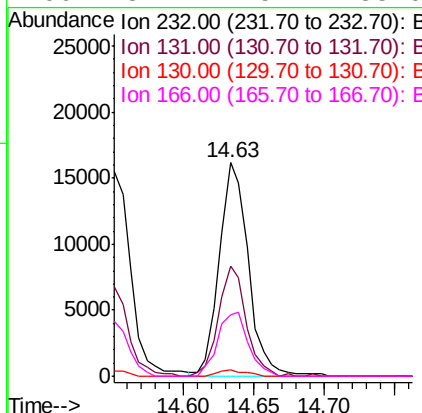
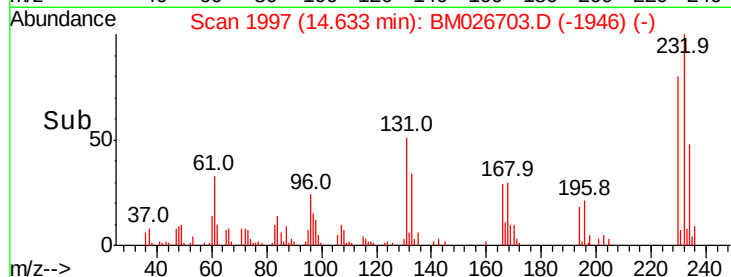
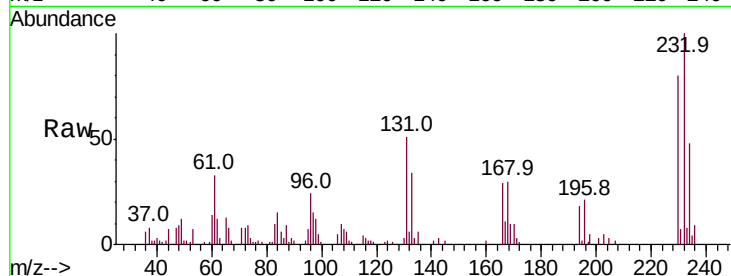
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.244 ng
 RT: 14.63 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	48.6	38.4	57.6
130	2.8	2.2	3.2
166	31.4	25.4	38.0

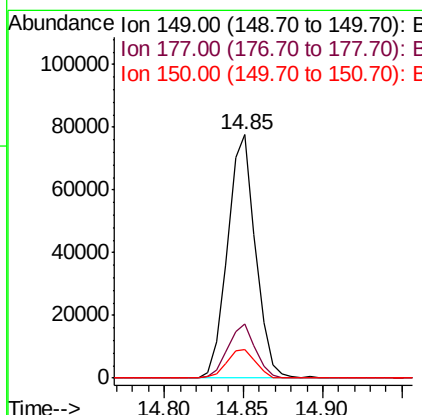
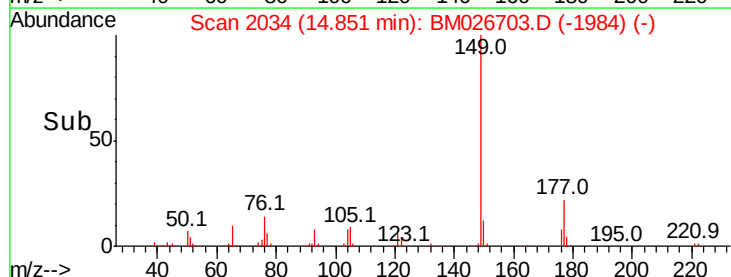
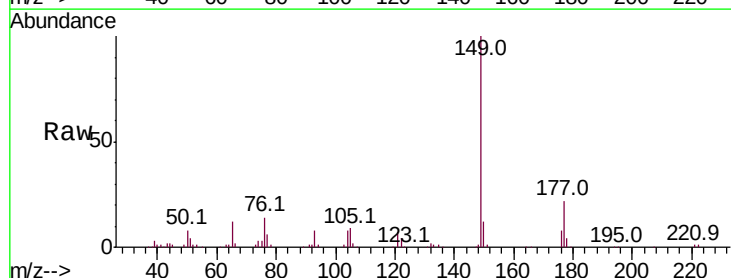
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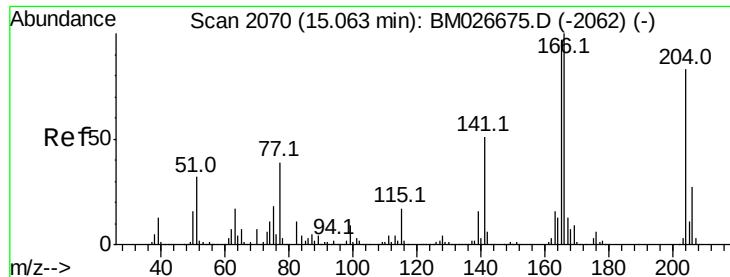
mohammad
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#60
 Diethylphthalate
 Concen: 8.026 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.8	26.6
150	12.0	10.2	15.4





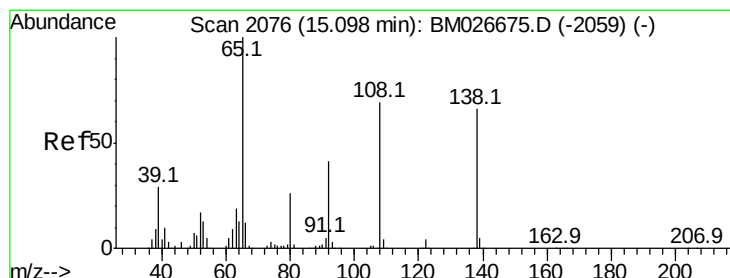
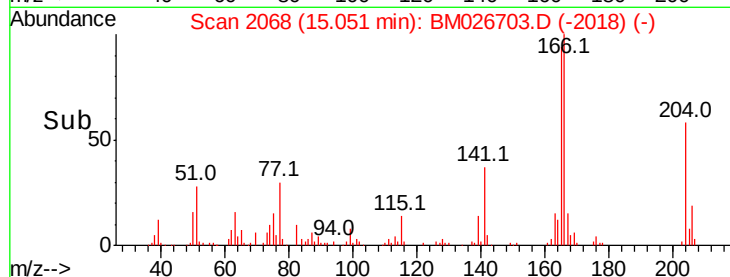
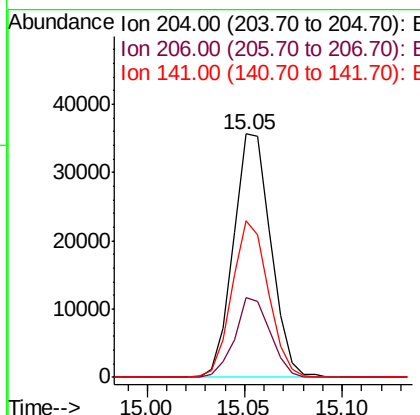
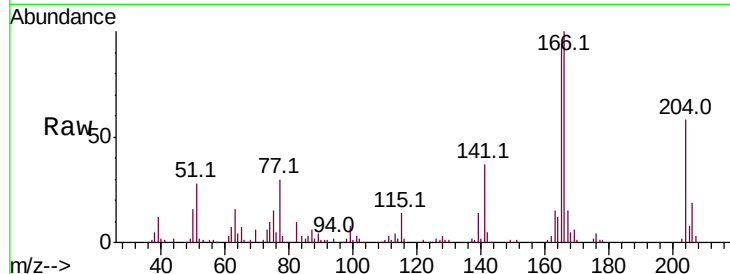
#61
4-Chlorophenyl-phenylether
Concen: 7.980 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	64.2	49.5	74.3

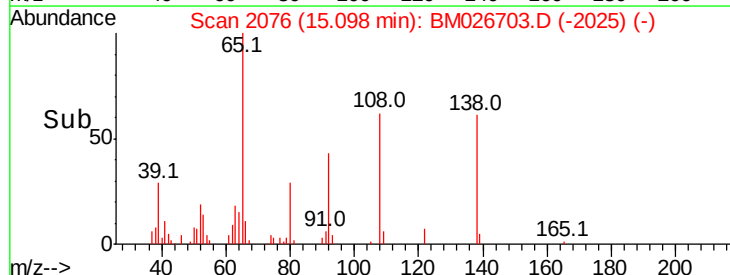
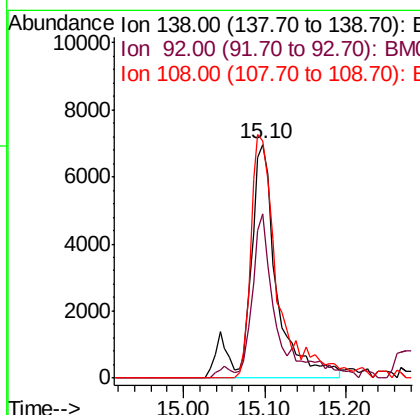
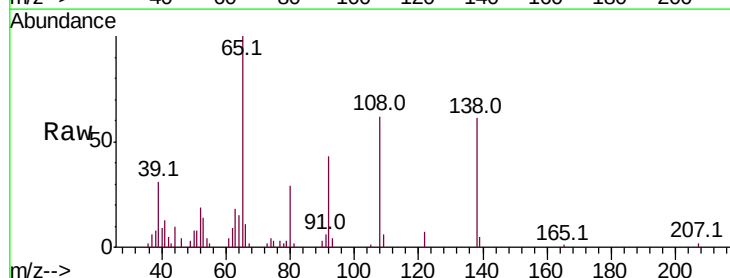
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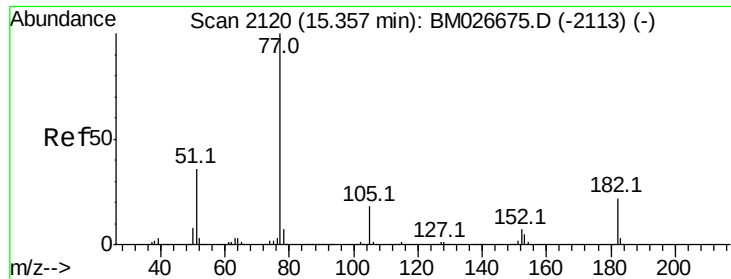
mohammad
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#62
4-Nitroaniline
Concen: 6.197 ng m
RT: 15.10 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
138	100		
92	70.3	41.5	81.5
108	101.5	84.8	124.8





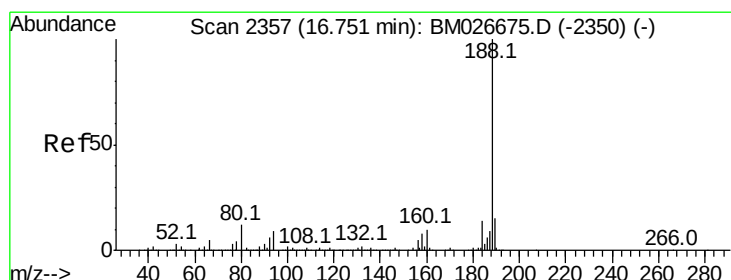
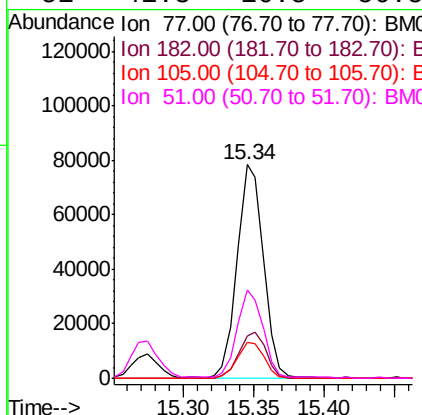
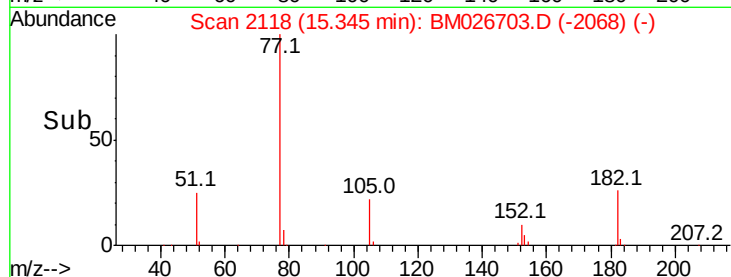
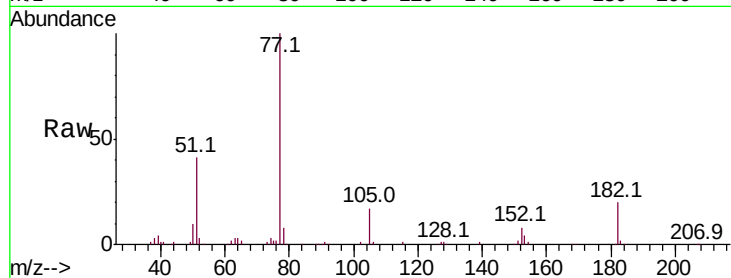
#63
Azobenzene
Concen: 7.864 ng
RT: 15.34 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
77	100		
182	19.8	1.6	41.6
105	17.0	0.0	37.8
51	41.3	16.5	56.5

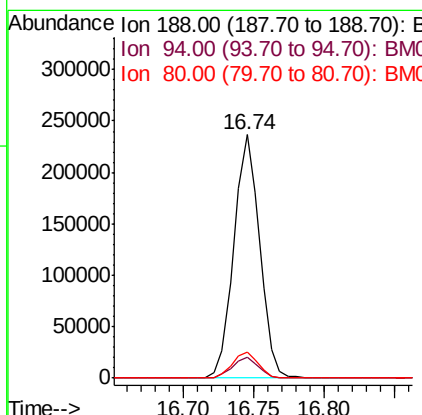
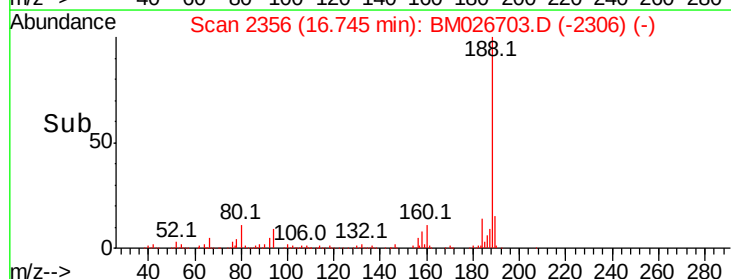
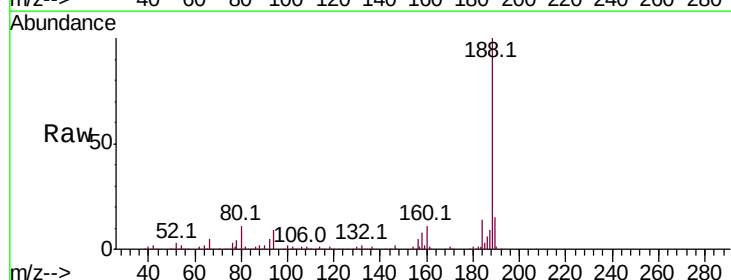
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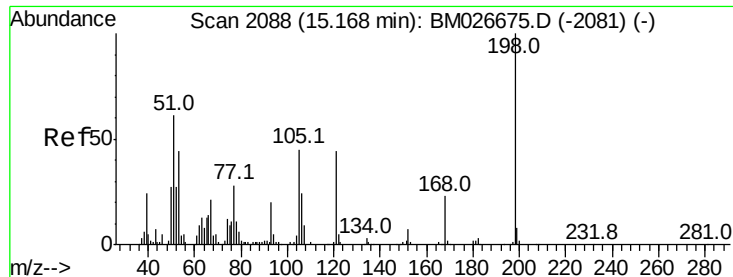
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.4	11.0
80	10.7	9.3	13.9





#65

4,6-Dinitro-2-methylphenol

Concen: 6.184 ng

RT: 15.16 min Scan# 2087

Delta R.T. -0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

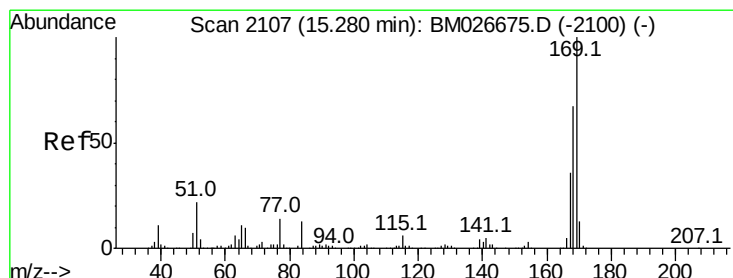
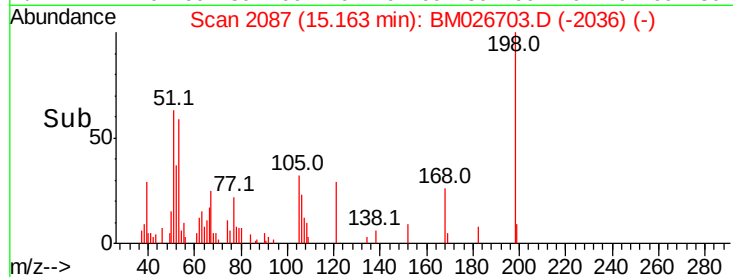
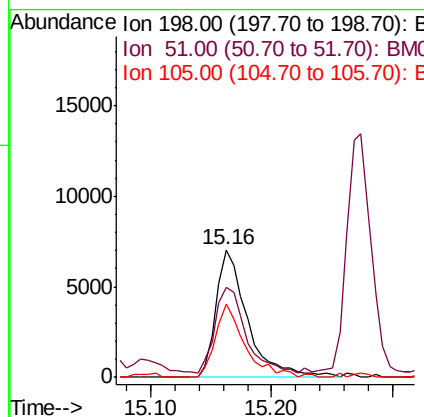
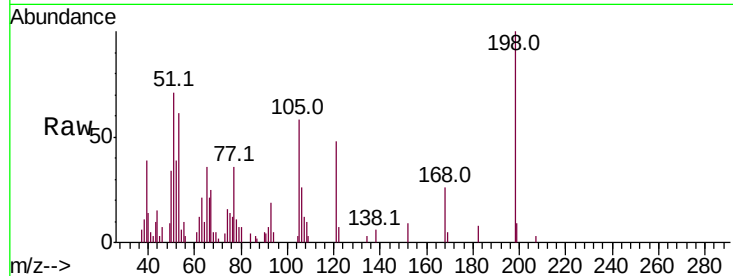
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	198	Resp:	12702
Ion Ratio	Lower	Upper	
198	100		
51	70.6	42.0	82.0
105	57.5	24.9	64.9

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#66

n-Nitrosodiphenylamine

Concen: 8.131 ng

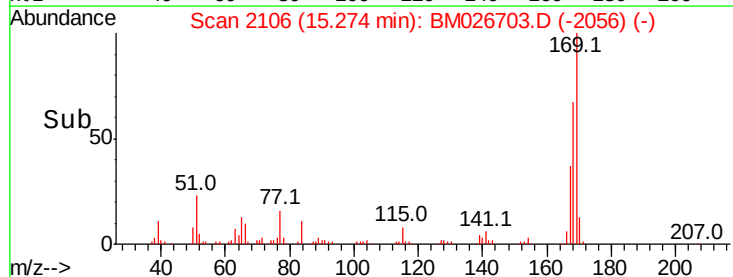
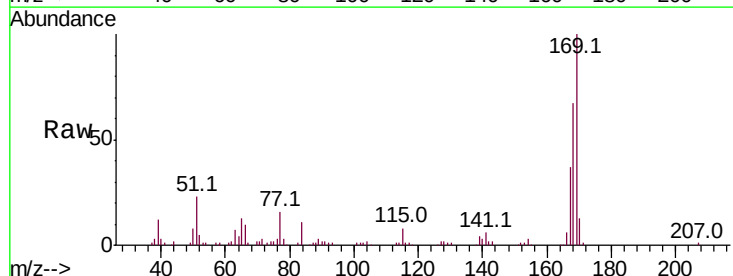
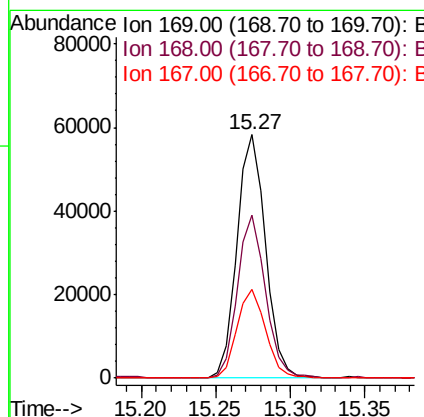
RT: 15.27 min Scan# 2106

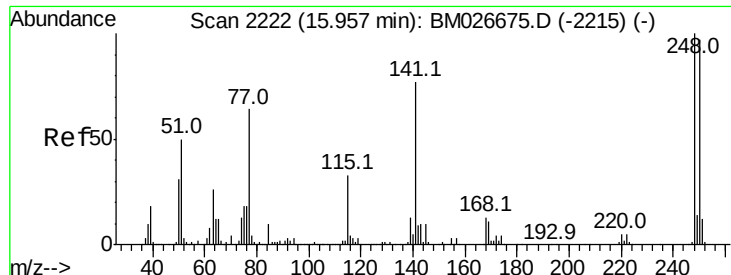
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	169	Resp:	78070
Ion Ratio	Lower	Upper	
169	100		
168	67.1	53.8	80.8
167	36.5	28.6	43.0





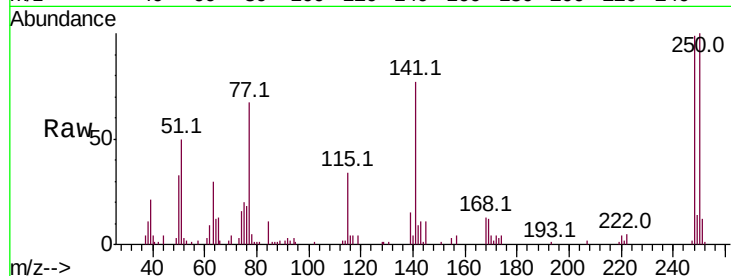
#67
 4-Bromophenyl-phenylether
 Concen: 7.473 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.4	116.2
141	77.8	61.9	92.9

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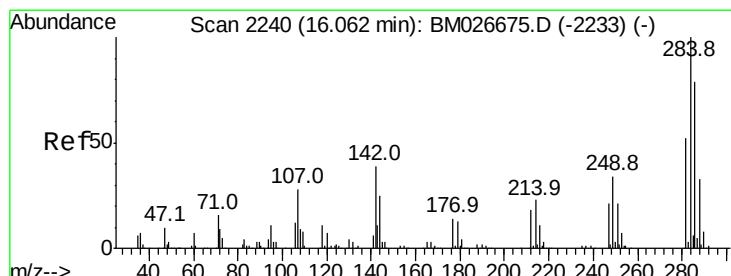
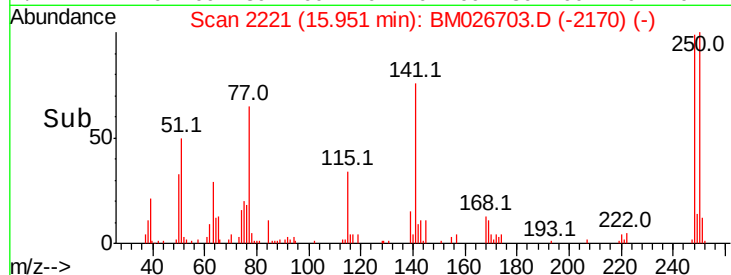
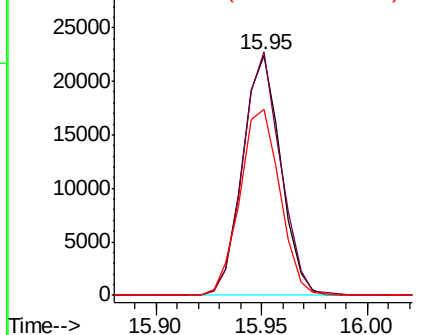


Abundance

Ion 248.00 (247.70 to 248.70): E

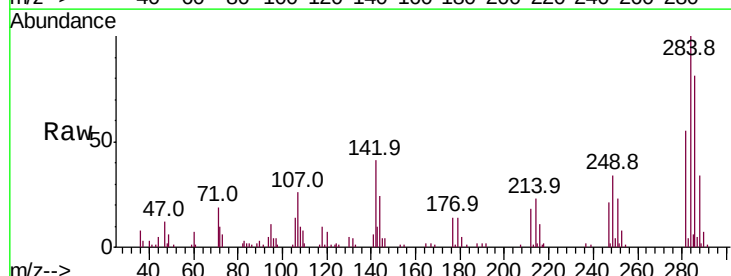
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 8.328 ng
 RT: 16.06 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.2	31.1	46.7
249	33.6	27.4	41.0

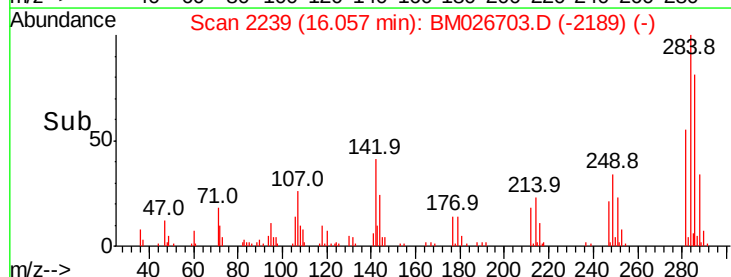
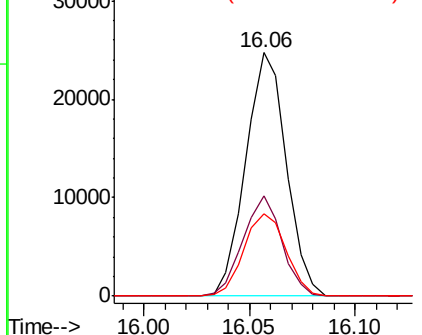


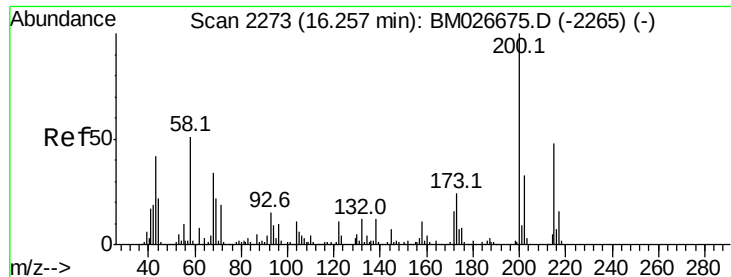
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





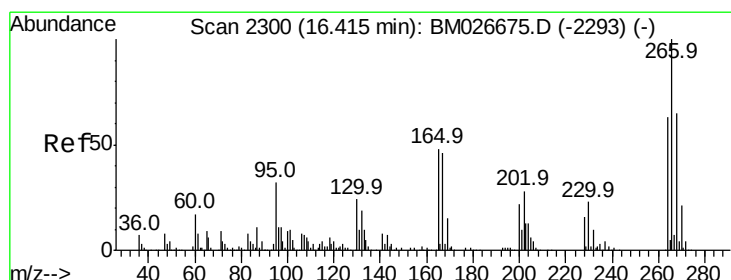
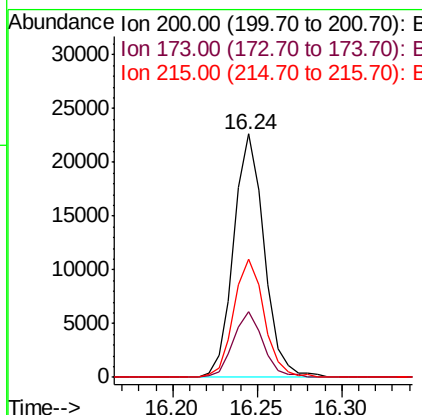
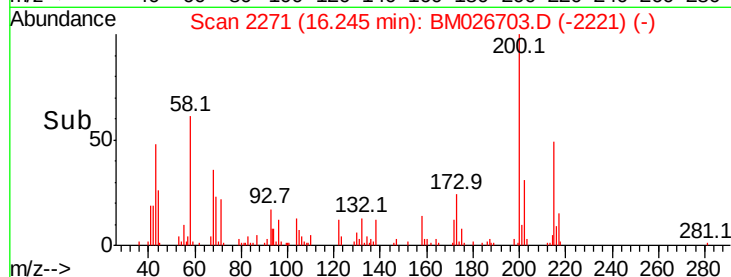
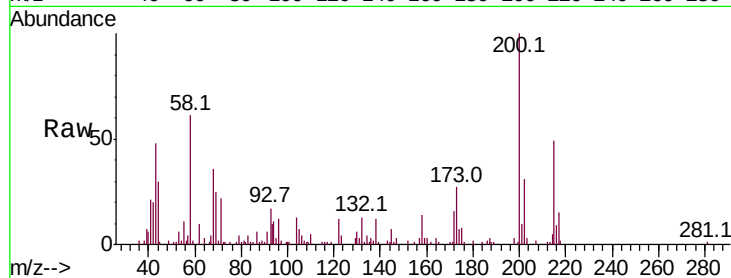
#69
Atrazine
Concen: 9.851 ng
RT: 16.24 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.1	4.5	44.5
215	48.6	28.4	68.4

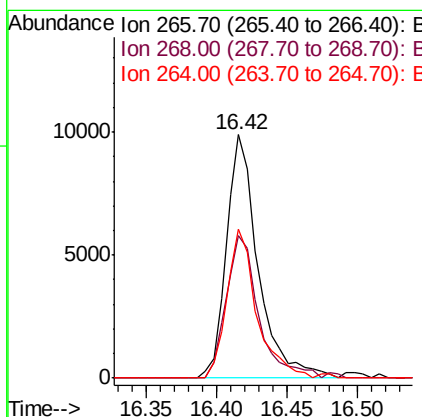
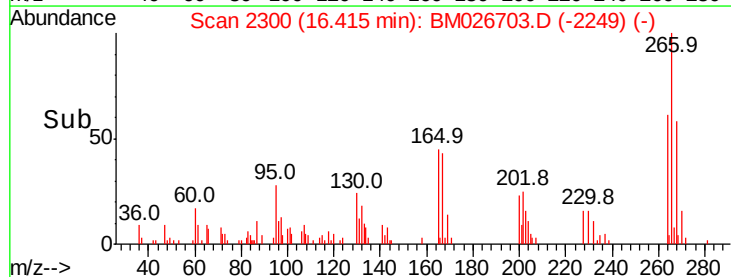
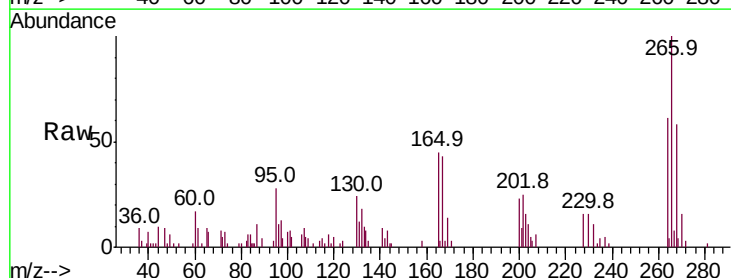
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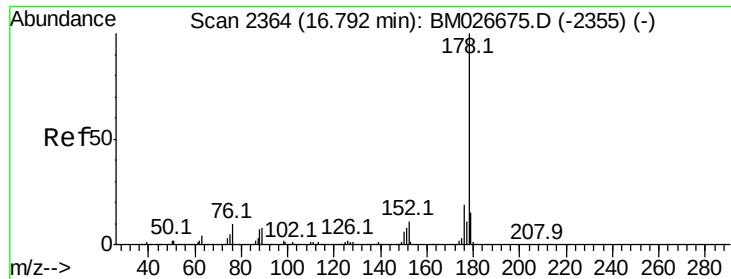
mohammad
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#70
Pentachlorophenol
Concen: 6.900 ng
RT: 16.42 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.4	51.8	77.6
264	61.2	50.1	75.1





#71

Phenanthrene

Concen: 8.516 ng

RT: 16.79 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

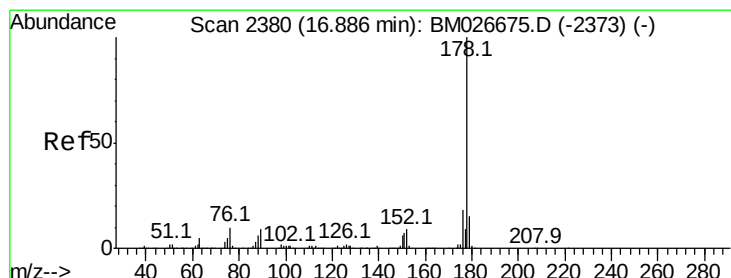
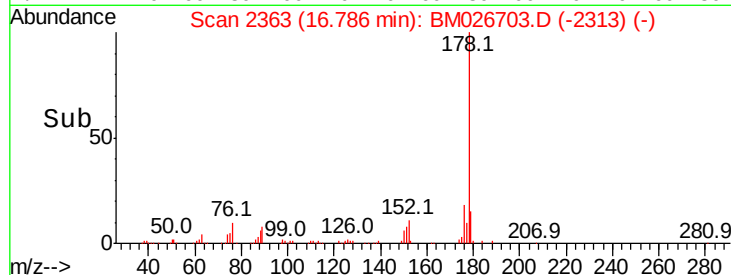
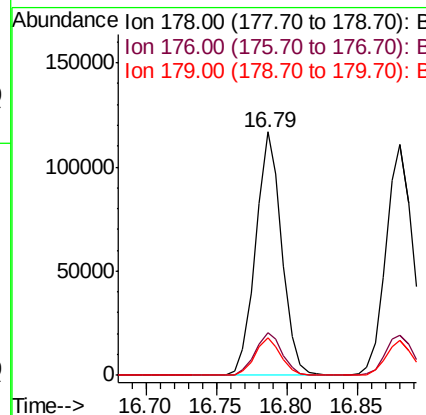
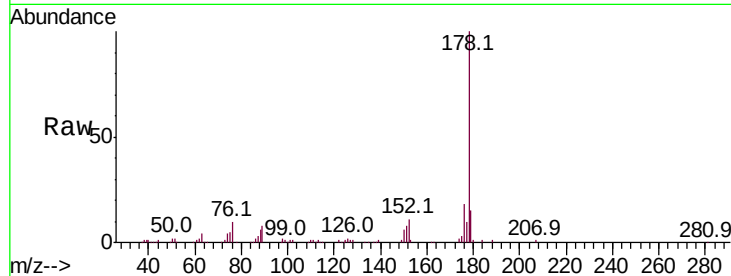
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:178	Resp:	151904
Ion Ratio	Lower	Upper
178	100	
176	17.5	15.0 22.6
179	15.3	12.1 18.1

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#72

Anthracene

Concen: 8.495 ng

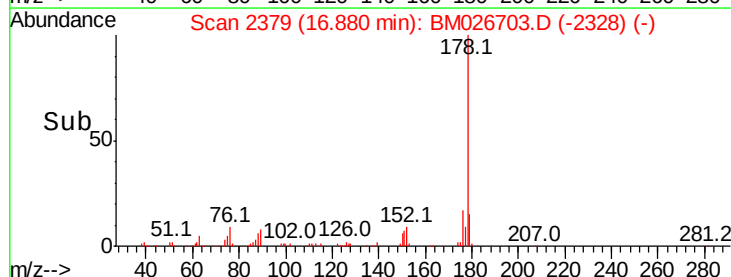
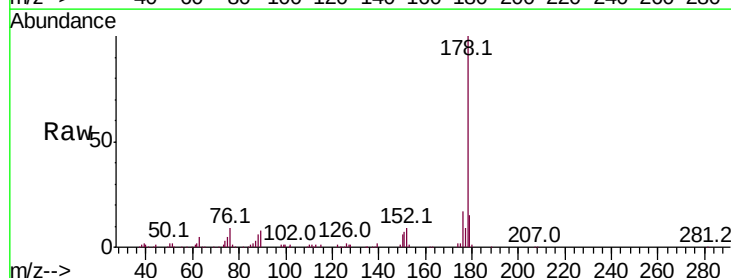
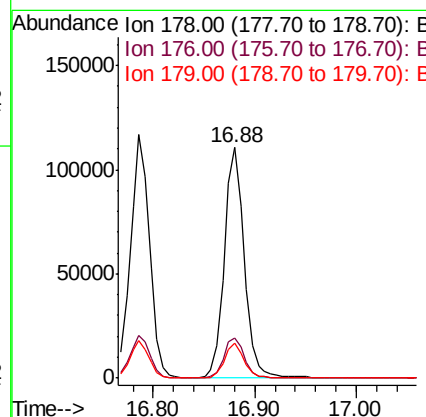
RT: 16.88 min Scan# 2379

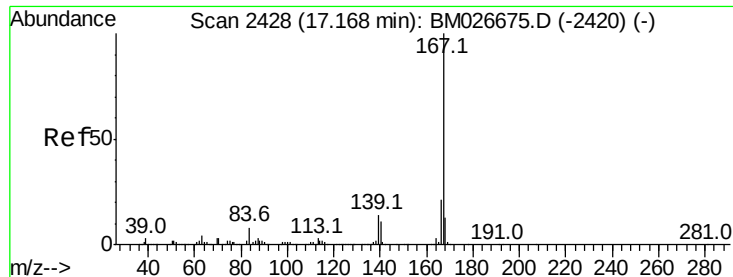
Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:178	Resp:	150856
Ion Ratio	Lower	Upper
178	100	
176	17.3	14.7 22.1
179	15.0	12.1 18.1





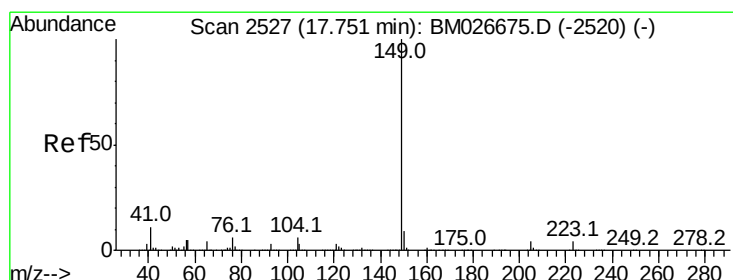
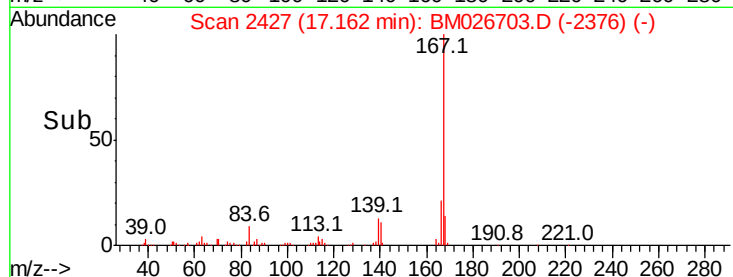
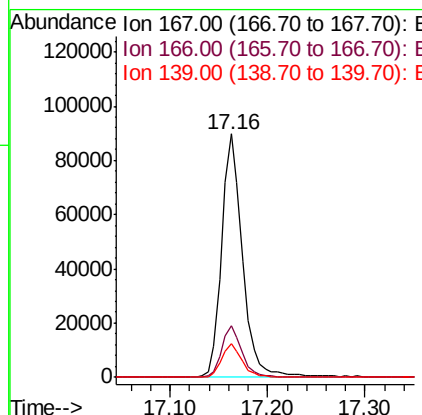
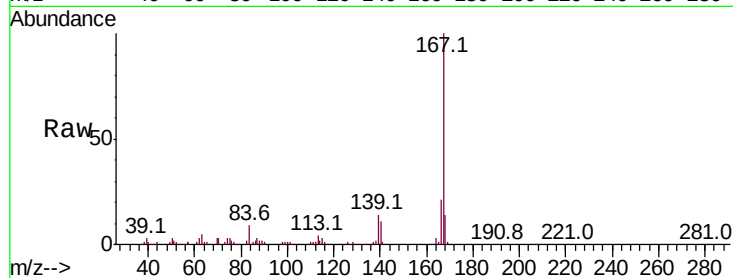
#73
 Carbazole
 Concen: 7.883 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.9	25.3
139	13.6	10.8	16.2

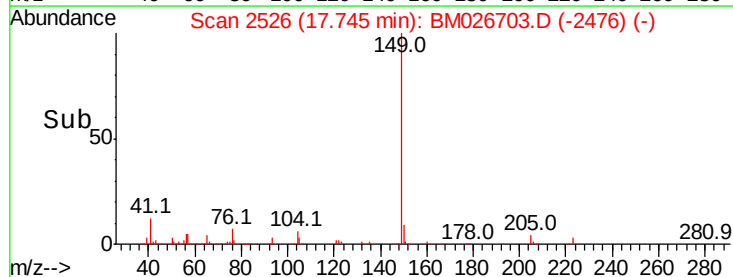
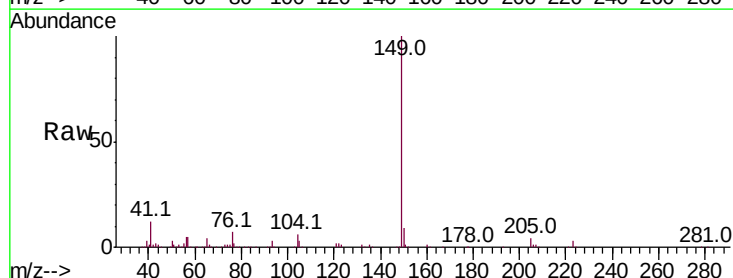
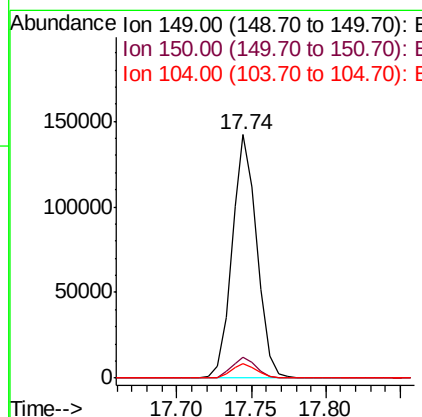
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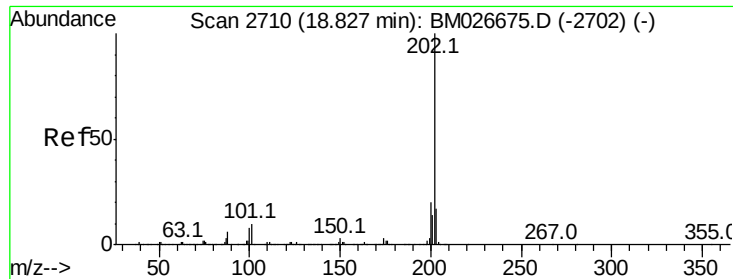
mohammad
 7/9/2020 10:59:49 AM



#74
 Di-n-butylphthalate
 Concen: 7.745 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	6.2	5.0	7.4





#75

Fluoranthene

Concen: 8.540 ng

RT: 18.82 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

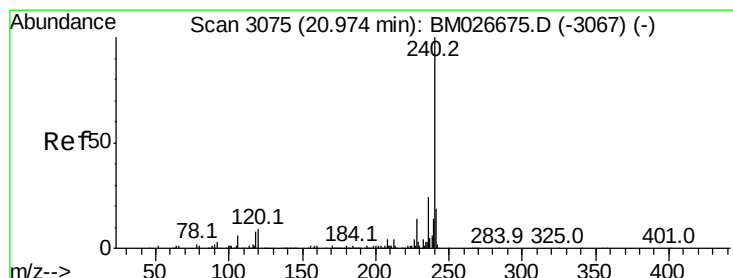
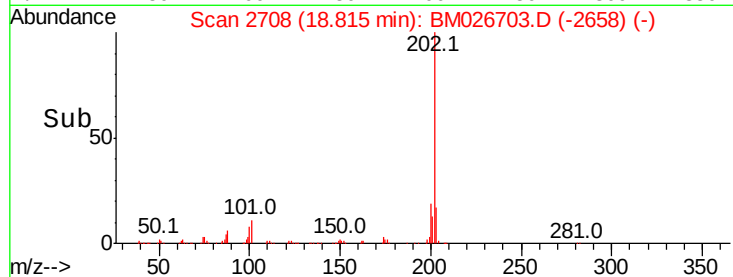
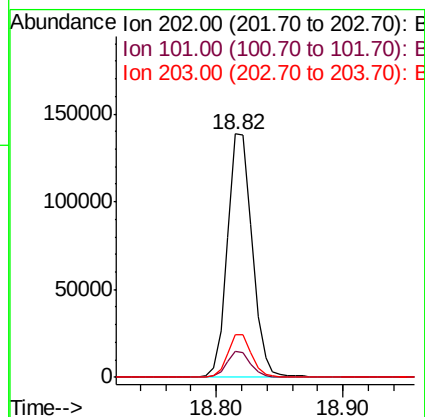
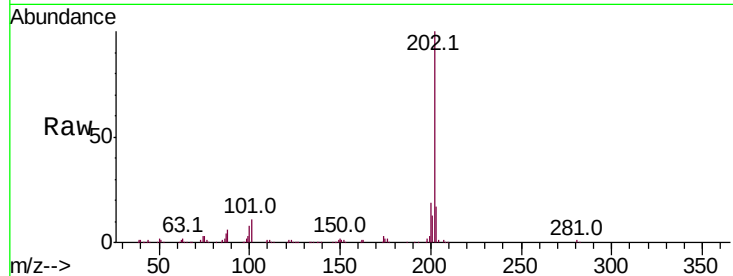
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	30.1
203	17.5	0.0	37.2

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#76

Chrysene-d12

Concen: 20.000 ng

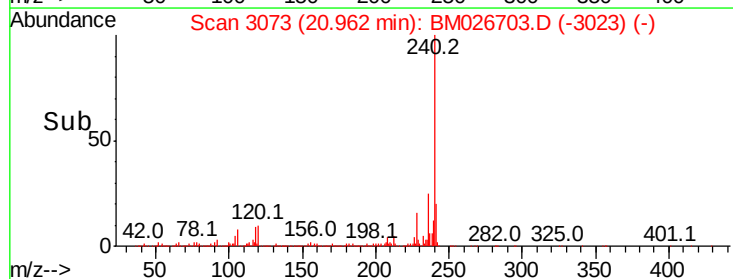
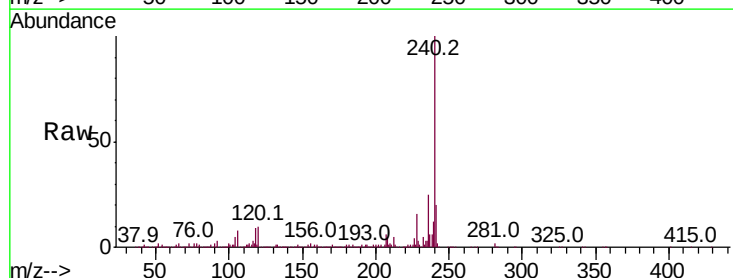
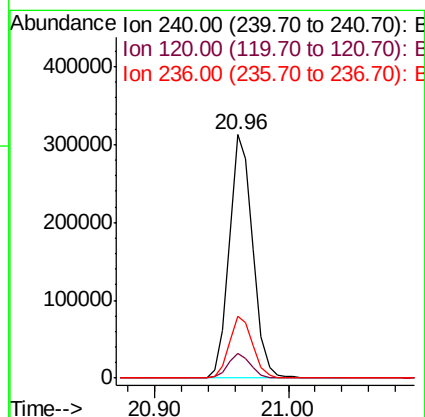
RT: 20.96 min Scan# 3073

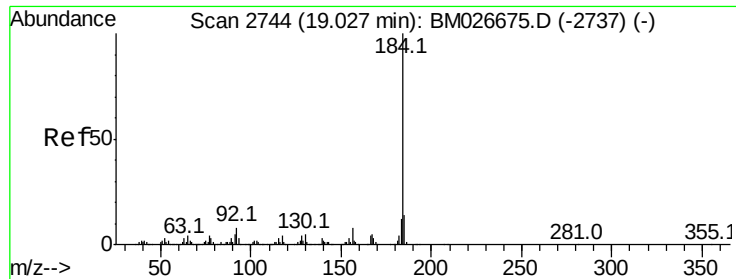
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	7.3	10.9
236	25.5	19.4	29.2





#77

Benzidine

Concen: 9.307 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

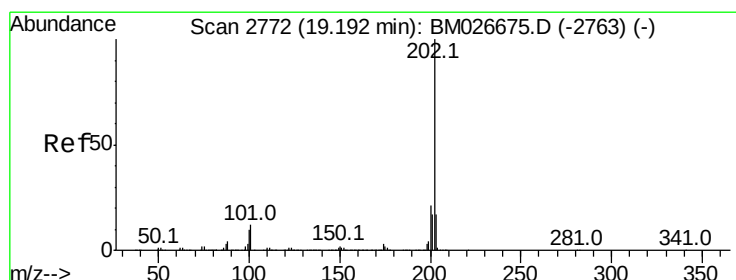
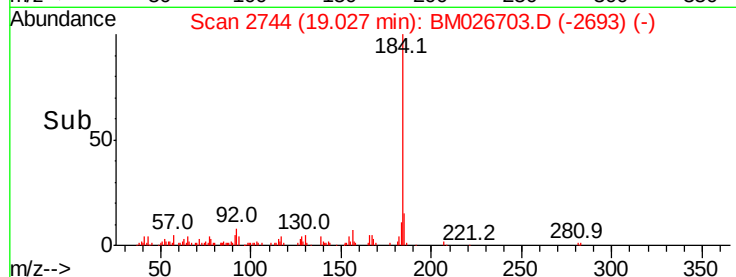
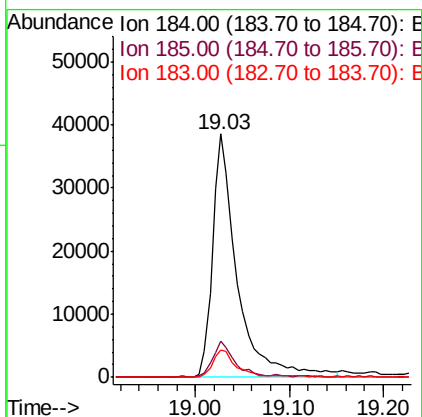
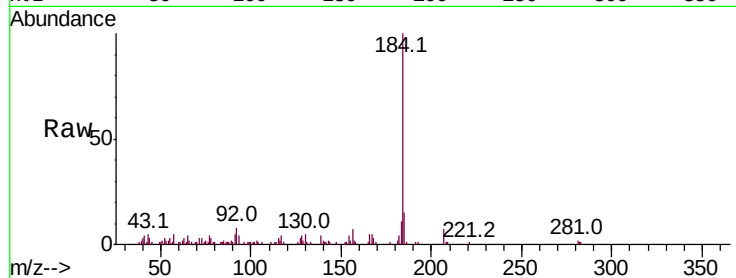
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	71072
Ion Ratio	Lower	Upper	
184	100		
185	14.7	10.9	16.3
183	11.2	9.3	13.9

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#78

Pyrene

Concen: 8.252 ng

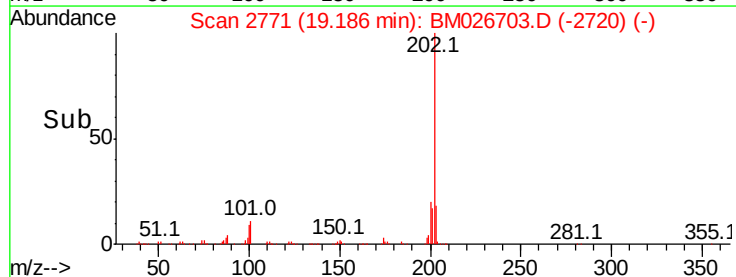
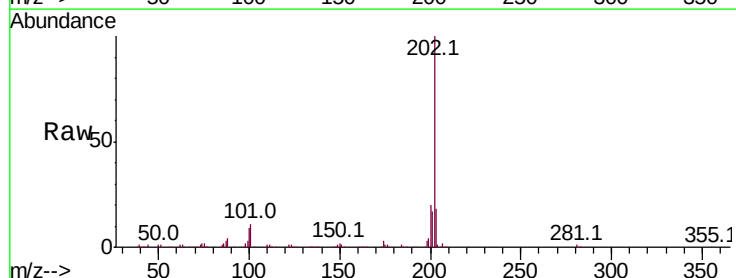
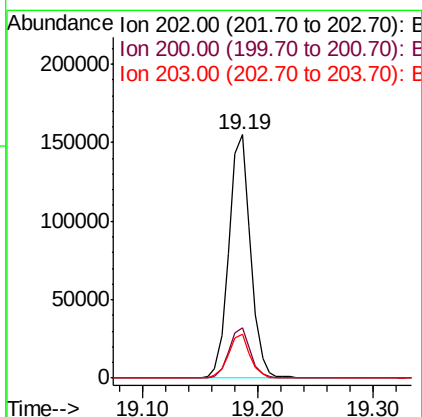
RT: 19.19 min Scan# 2771

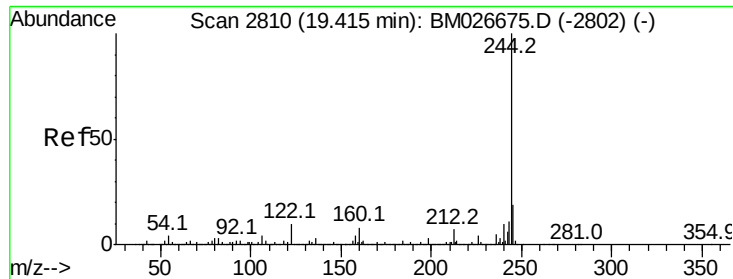
Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	202	Resp:	201369
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.6	24.8
203	17.9	13.7	20.5





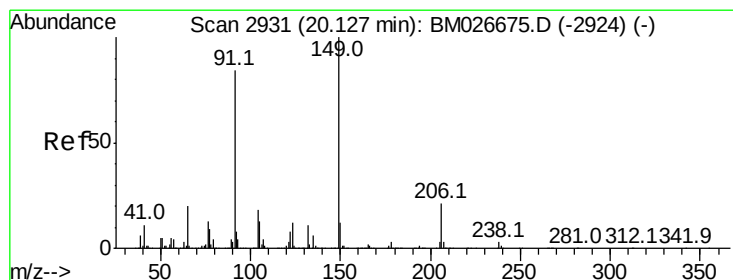
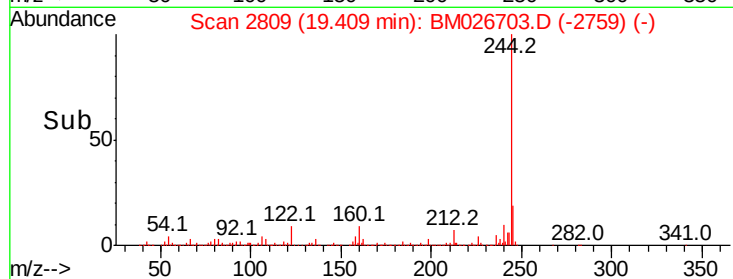
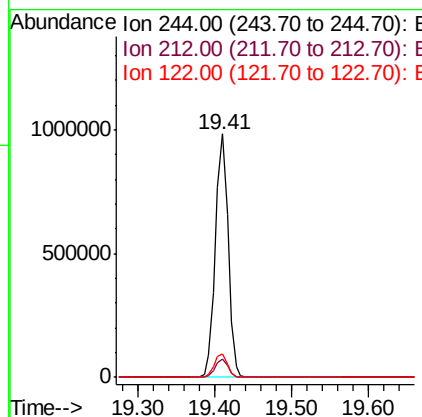
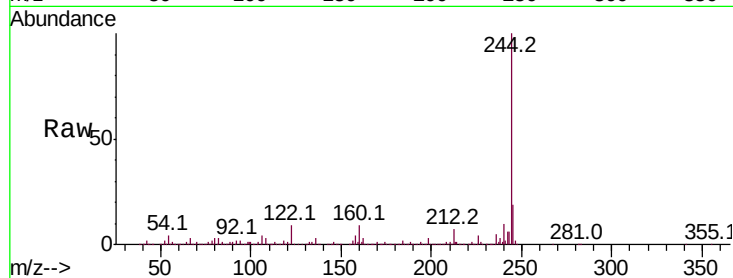
#79
Terphenyl-d14
Concen: 56.377 ng
RT: 19.41 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	9.4	8.2	12.4

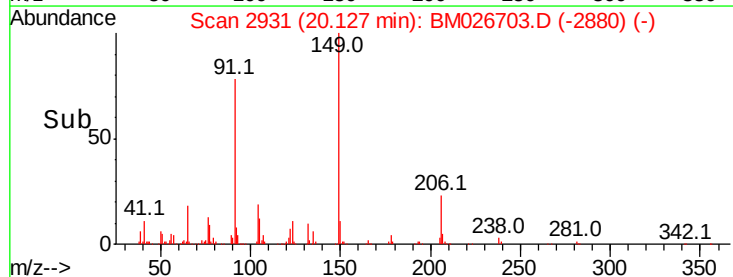
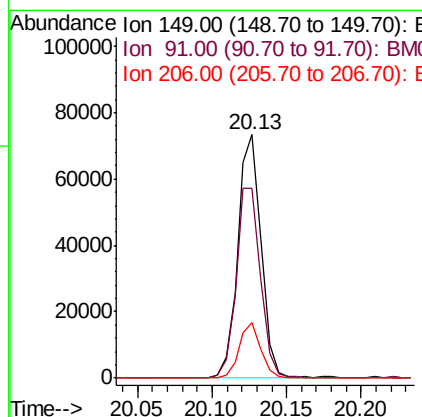
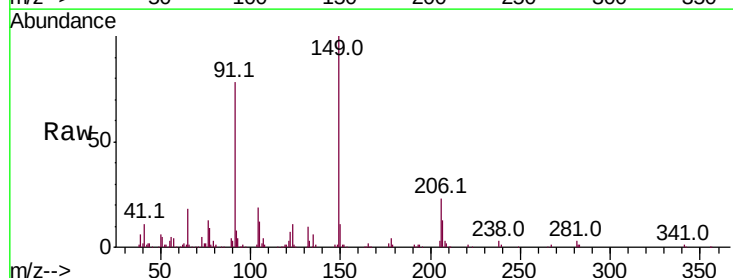
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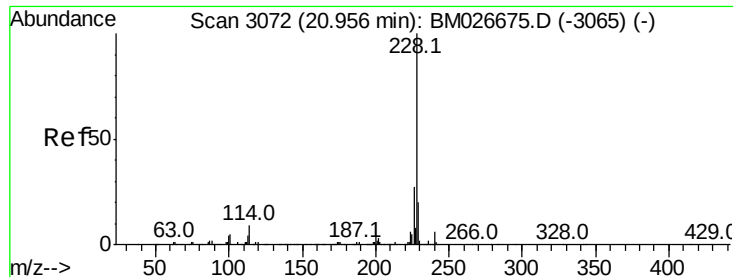
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#80
Butylbenzylphthalate
Concen: 7.334 ng
RT: 20.13 min Scan# 2931
Delta R.T. -0.00 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.0	67.6	101.4
206	22.7	16.7	25.1





#81

Benzo(a)anthracene

Concen: 8.487 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

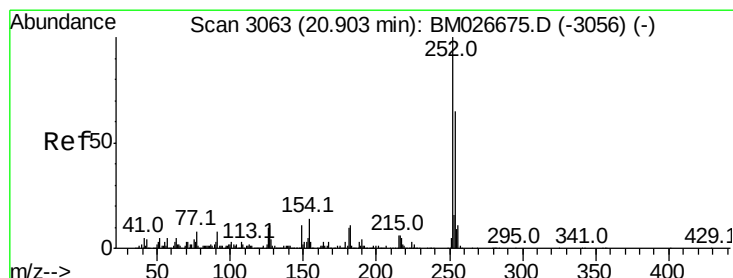
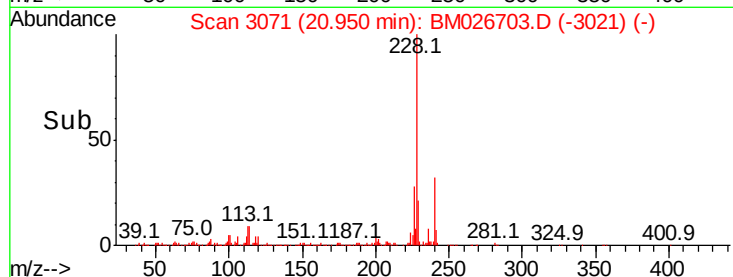
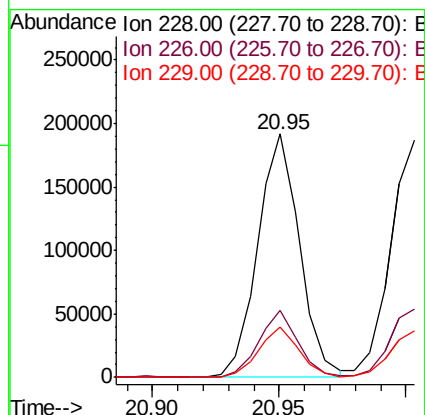
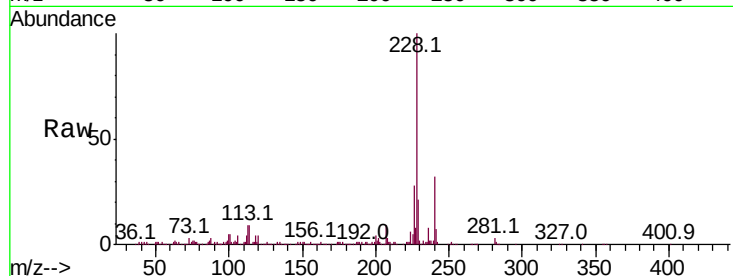
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	228	Resp:	220815
Ion Ratio	Lower	Upper	
228	100		
226	27.8	21.4	32.2
229	20.6	15.6	23.4

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#82

3,3'-Dichlorobenzidine

Concen: 9.282 ng

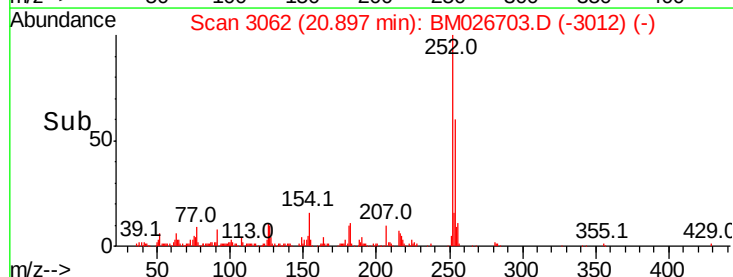
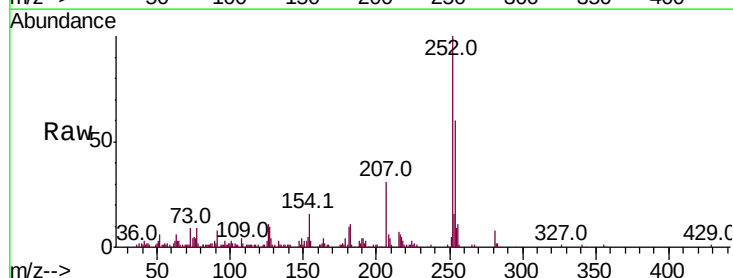
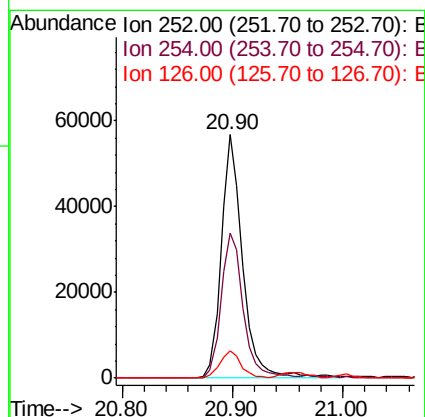
RT: 20.90 min Scan# 3062

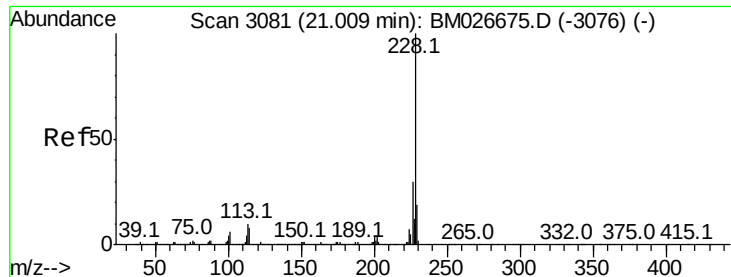
Delta R.T. -0.01 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	252	Resp:	76650
Ion Ratio	Lower	Upper	
252	100		
254	59.6	51.9	77.9
126	11.3	8.2	12.2





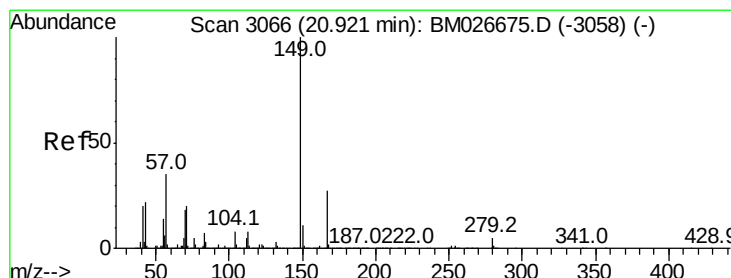
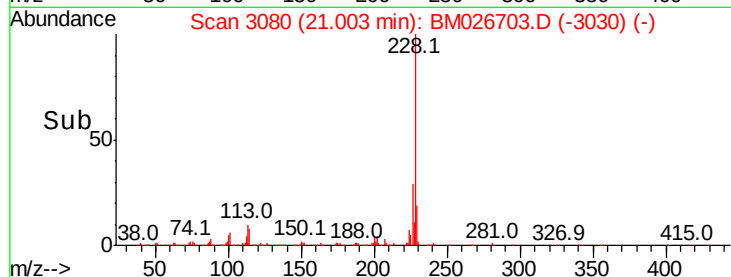
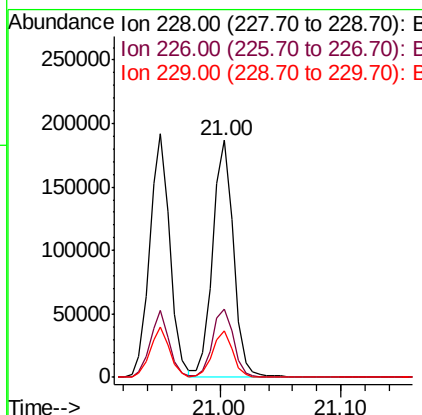
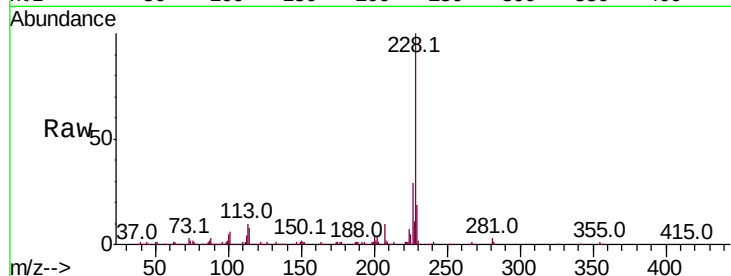
#83
Chrysene
Concen: 8.715 ng
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	19.4	15.4	23.0

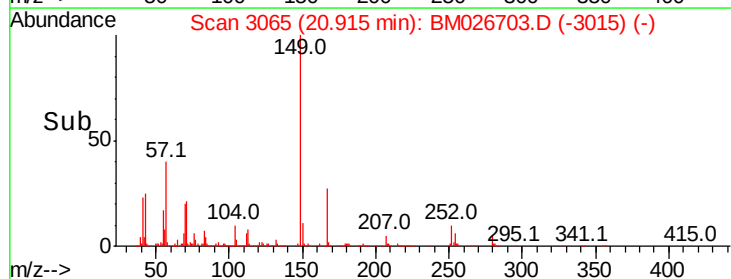
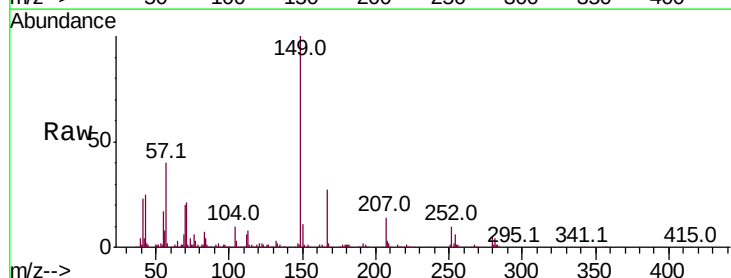
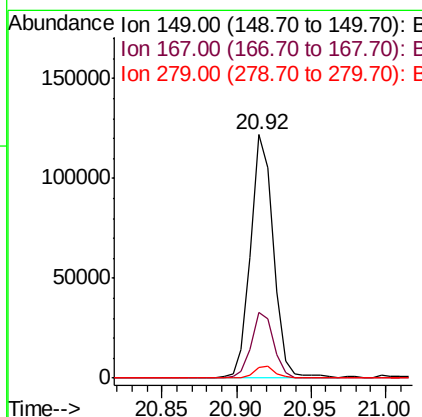
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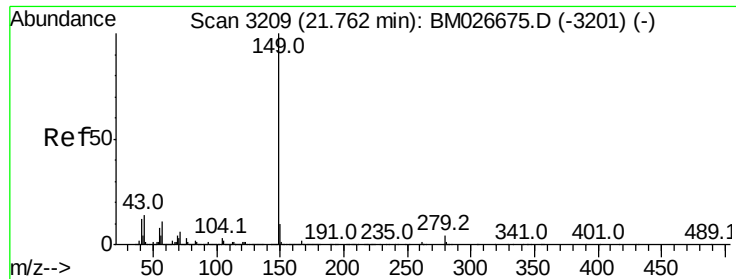
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 7.265 ng
RT: 20.92 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.9	32.9
279	4.6	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 7.545 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Instrument :

BNA_M

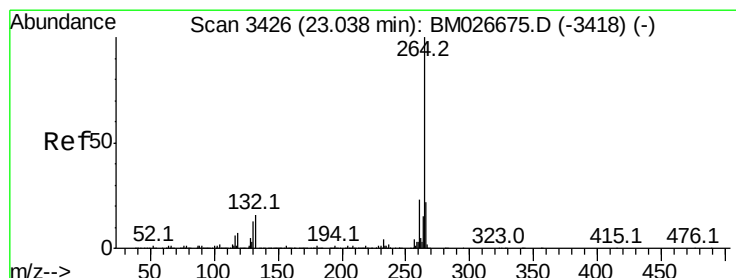
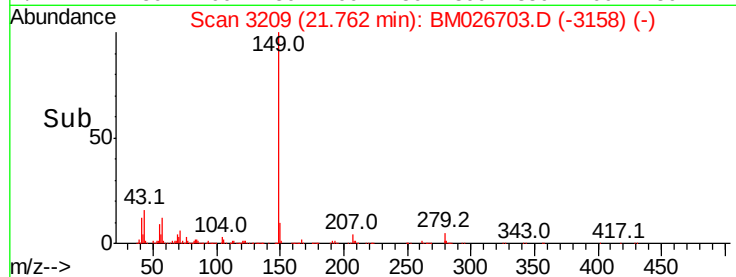
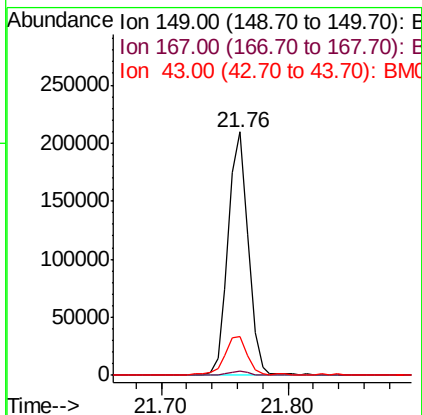
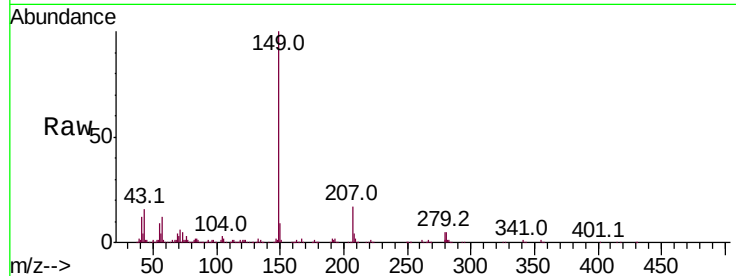
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	149	Resp:	226211
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	17.8	11.2	16.8#

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#86

Perylene-d12

Concen: 20.000 ng

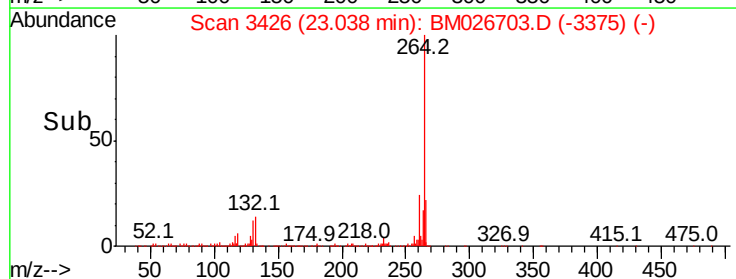
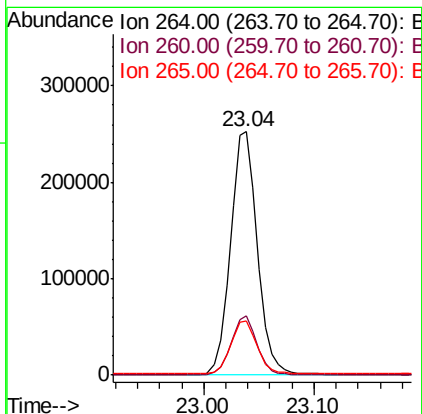
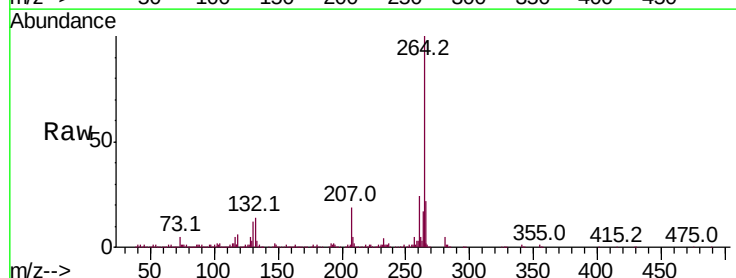
RT: 23.04 min Scan# 3426

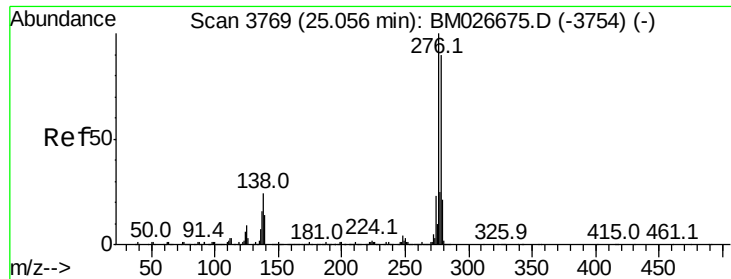
Delta R.T. 0.00 min

Lab File: BM026703.D

Acq: 08 Jul 2020 13:52

Tgt Ion:	264	Resp:	431581
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.2	27.2
265	22.2	17.6	26.4





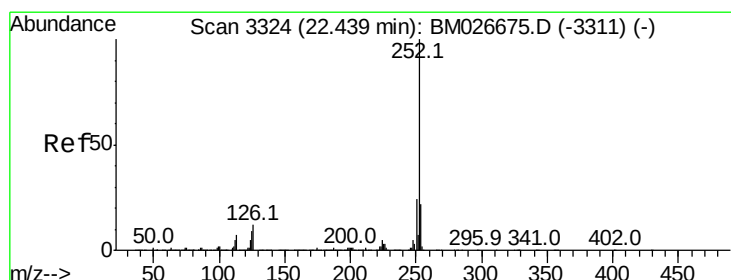
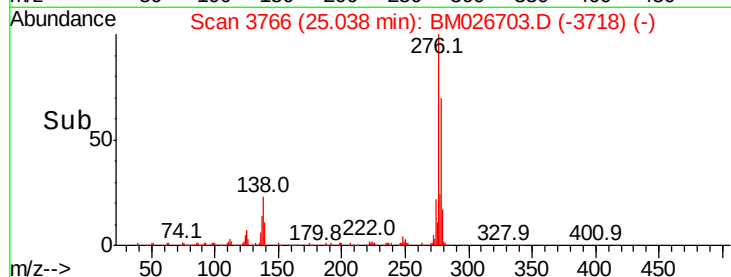
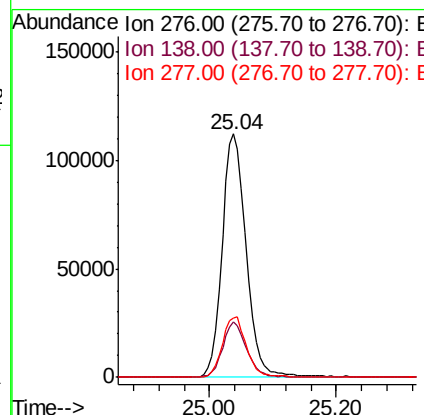
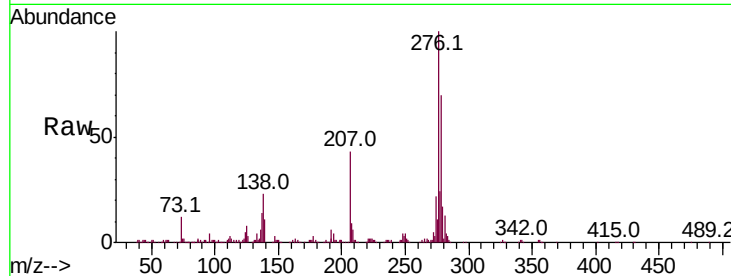
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.648 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.02 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.4	27.6
277	24.9	20.0	30.0

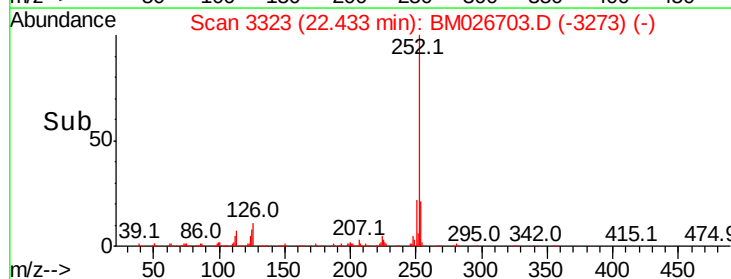
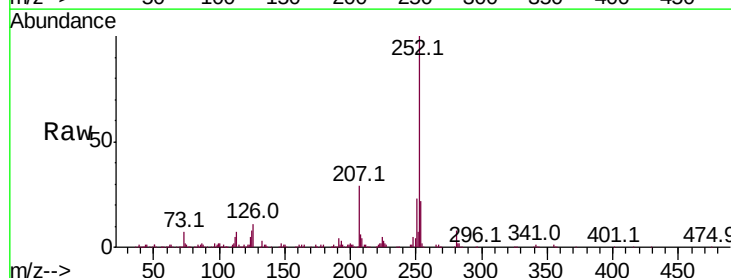
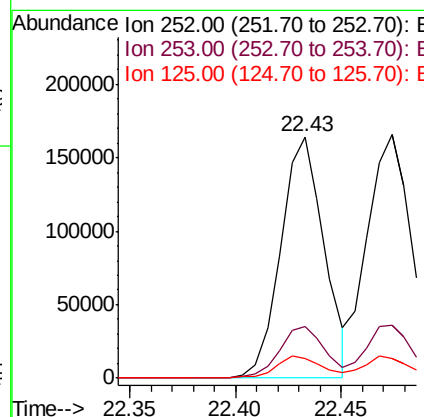
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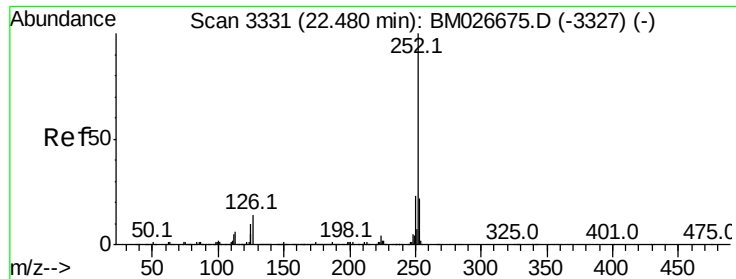
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#88
 Benzo(b)fluoranthene
 Concen: 8.210 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026703.D
 Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	8.3	7.5	11.3





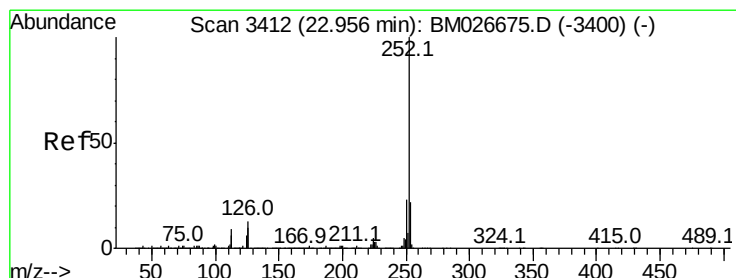
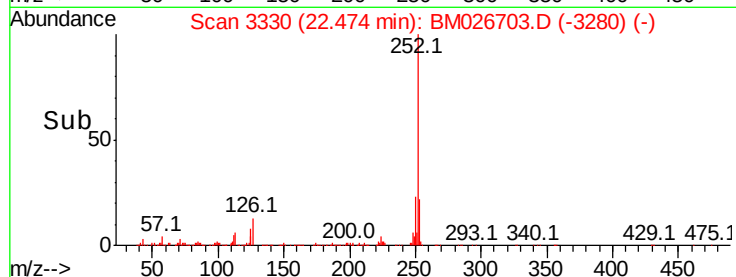
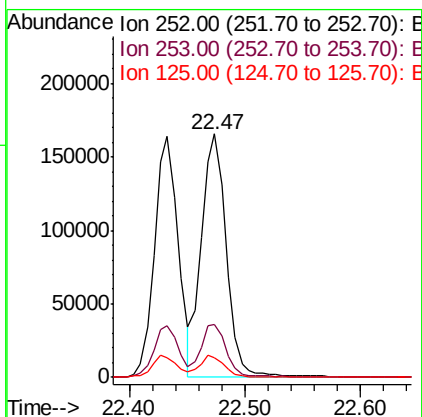
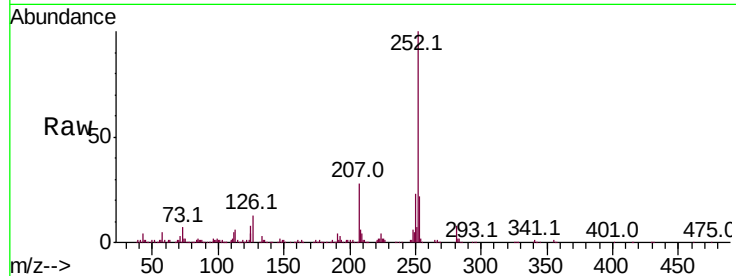
#89
Benzo(k)fluoranthene
Concen: 8.888 ng
RT: 22.47 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	247910		
253	21.8	17.5	26.3	
125	8.3	7.8	11.8	

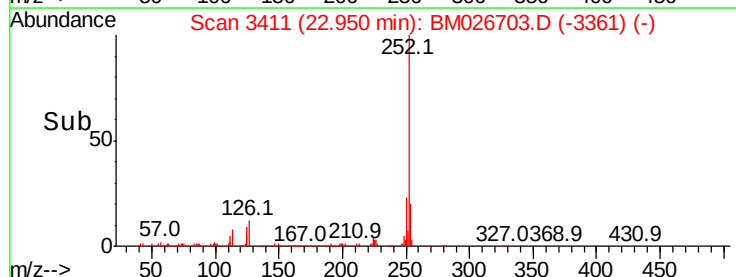
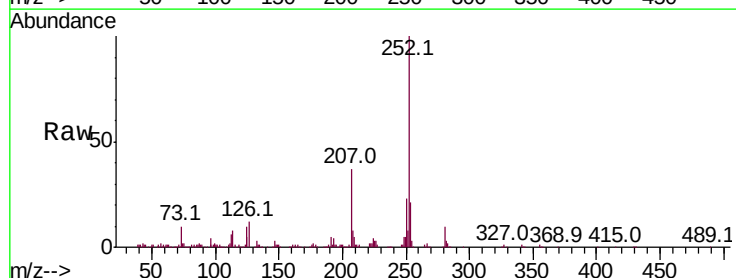
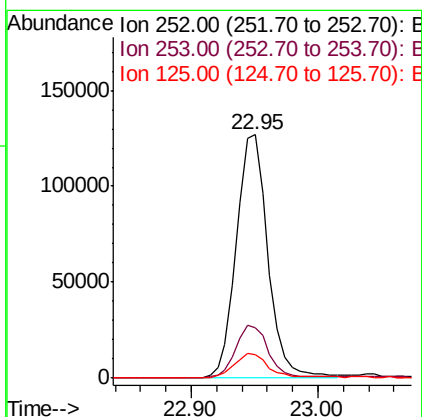
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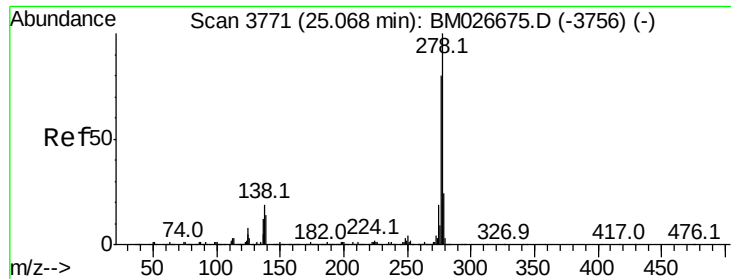
mohammad
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#90
Benzo(a)pyrene
Concen: 8.288 ng
RT: 22.95 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	218804		
253	20.7	17.4	26.2	
125	9.8	8.2	12.4	





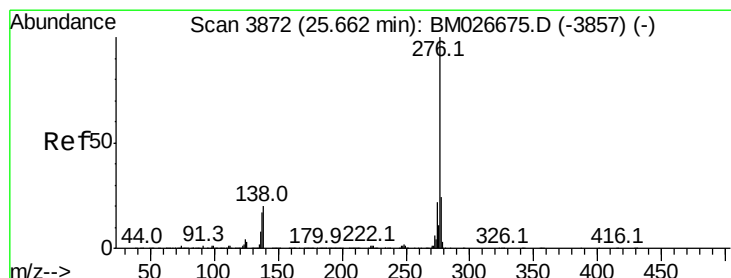
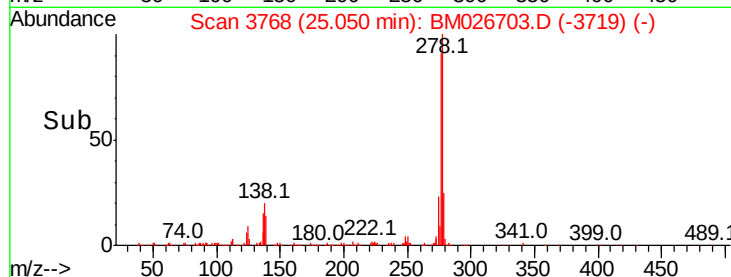
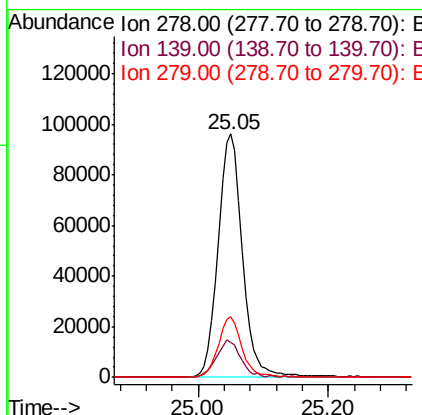
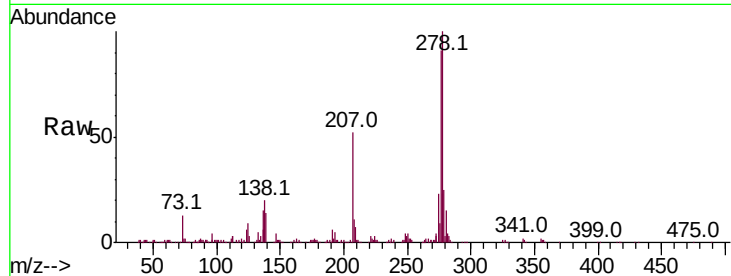
#91
Dibenzo(a,h)anthracene
Concen: 9.627 ng
RT: 25.05 min Scan# 3768
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.2	16.8
279	24.8	19.0	28.4

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#92
Benzo(g,h,i)perylene
Concen: 10.433 ng
RT: 25.65 min Scan# 3870
Delta R.T. -0.01 min
Lab File: BM026703.D
Acq: 08 Jul 2020 13:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.1	28.7
138	19.1	15.8	23.8

