

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026689.D
 Acq On : 07 Jul 2020 22:44
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/9/2020 10:56:43 AM

Quant Time: Jul 08 05:52:51 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 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	59962	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	267788	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	184205	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	428464	20.00	ng	0.00
76) Chrysene-d12	20.96	240	514169	20.00	ng	-0.01
86) Perylene-d12	23.03	264	532647	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.97	112	627140	175.30	ng	0.00
7) Phenol-d6	6.54	99	937915	164.55	ng	0.00
23) Nitrobenzene-d5	8.48	82	981853	156.43	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	512794	191.11	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	2189059	158.01	ng	0.00
79) Terphenyl-d14	19.42	244	4087478	156.45	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.95	88	17067	9.929	ng	92
3) Pyridine	3.36	79	27430	5.579	ng	93
4) n-Nitrosodimethylamine	3.27	42	21672	7.365	ng	# 87
6) Aniline	6.68	93	52970	7.572	ng	99
8) 2-Chlorophenol	6.90	128	32679	7.668	ng	97
9) Benzaldehyde	6.49	77	36794	11.631	ng	97
10) Phenol	6.56	94	43292	7.685	ng	95
11) bis(2-Chloroethyl)ether	6.78	93	34906	7.411	ng	97
12) 1,3-Dichlorobenzene	7.22	146	35762	7.720	ng	95
13) 1,4-Dichlorobenzene	7.36	146	36458	7.732	ng	98
14) 1,2-Dichlorobenzene	7.67	146	35610	7.582	ng	97
15) Benzyl Alcohol	7.59	79	31867	6.534	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.86	45	73127	7.522	ng	97
17) 2-Methylphenol	7.79	107	28265	6.602	ng	95
18) Hexachloroethane	8.37	117	13674	7.302	ng	97
19) n-Nitroso-di-n-propylamine	8.14	70	34282	7.229	ng	99
20) 3+4-Methylphenols	8.12	107	37801	6.422	ng	98
22) Acetophenone	8.15	105	59863	7.867	ng	# 96
24) Nitrobenzene	8.52	77	49372	7.477	ng	99
25) Isophorone	9.05	82	85420	7.097	ng	99
26) 2-Nitrophenol	9.22	139	15592	6.398	ng	86
27) 2,4-Dimethylphenol	9.30	122	30987	7.819	ng	92
28) bis(2-Chloroethoxy)methane	9.53	93	49798	7.489	ng	98
29) 2,4-Dichlorophenol	9.76	162	29510	6.761	ng	98
30) 1,2,4-Trichlorobenzene	9.96	180	36398	7.475	ng	96
31) Naphthalene	10.13	128	110432	7.414	ng	99
32) Benzoic acid	9.42	122	7766m	2.582	ng	
33) 4-Chloroaniline	10.27	127	45359	6.962	ng	96
34) Hexachlorobutadiene	10.42	225	23662	7.338	ng	97
35) Caprolactam	11.05	113	10208	6.603	ng	# 83
36) 4-Chloro-3-methylphenol	11.41	107	38269	6.938	ng	99
37) 2-Methylnaphthalene	11.76	142	83054	7.528	ng	97
38) 1-Methylnaphthalene	11.99	142	80513	7.617	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	47460	7.970	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026689.D
 Acq On : 07 Jul 2020 22:44
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/9/2020 10:56:43 AM

Quant Time: Jul 08 05:52:51 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 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	15379	5.413	ng	98
43) 2,4,6-Trichlorophenol	12.41	196	25539	6.547	ng	97
44) 2,4,5-Trichlorophenol	12.49	196	29640	6.466	ng	92
46) 1,1'-Biphenyl	12.81	154	119519	8.214	ng	99
47) 2-Chloronaphthalene	12.85	162	85235	7.251	ng	100
48) 2-Nitroaniline	13.07	65	30245	6.253	ng	97
49) Acenaphthylene	13.70	152	137611	7.323	ng	98
50) Dimethylphthalate	13.47	163	115685	7.342	ng	100
51) 2,6-Dinitrotoluene	13.59	165	23724	7.032	ng	93
52) Acenaphthene	14.05	154	83309	7.295	ng	99
53) 3-Nitroaniline	13.92	138	20460	5.829	ng	# 98
54) 2,4-Dinitrophenol	14.16	184	6355	3.218	ng	89
55) Dibenzofuran	14.39	168	137551	7.346	ng	98
56) 4-Nitrophenol	14.26	139	12318	4.472	ng	93
57) 2,4-Dinitrotoluene	14.39	165	31019	6.370	ng	91
58) Fluorene	15.05	166	109331	7.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.64	232	28939	7.229	ng	98
60) Diethylphthalate	14.85	149	119134	7.151	ng	99
61) 4-Chlorophenyl-phenylether	15.06	204	58705	6.989	ng	99
62) 4-Nitroaniline	15.09	138	16611	4.534	ng	95
63) Azobenzene	15.35	77	130695	7.142	ng	97
65) 4,6-Dinitro-2-methylphenol	15.17	198	14599	5.012	ng	89
66) n-Nitrosodiphenylamine	15.27	169	96771	7.107	ng	98
67) 4-Bromophenyl-phenylether	15.95	248	35991	6.749	ng	94
68) Hexachlorobenzene	16.06	284	40996	7.304	ng	97
69) Atrazine	16.24	200	34711	8.478	ng	99
70) Pentachlorophenol	16.42	266	16734	5.270	ng	95
71) Phenanthrene	16.79	178	186101	7.357	ng	99
72) Anthracene	16.88	178	182265	7.238	ng	99
73) Carbazole	17.16	167	161376	6.722	ng	100
74) Di-n-butylphthalate	17.75	149	200609	6.646	ng	99
75) Fluoranthene	18.82	202	226864	7.282	ng	98
77) Benzidine	19.03	184	88702	8.750	ng	99
78) Pyrene	19.19	202	238285	7.357	ng	100
80) Butylbenzylphthalate	20.13	149	93916	6.461	ng	97
81) Benzo(a)anthracene	20.95	228	255025	7.384	ng	100
82) 3,3'-Dichlorobenzidine	20.90	252	87201	7.955	ng	99
83) Chrysene	21.00	228	247436	7.361	ng	98
84) Bis(2-ethylhexyl)phthalate	20.92	149	156640	6.727	ng	97
85) Di-n-octyl phthalate	21.76	149	260907	6.555	ng	97
87) Indeno(1,2,3-cd)pyrene	25.04	276	283011	7.463	ng	100
88) Benzo(b)fluoranthene	22.43	252	259925	7.406	ng	98
89) Benzo(k)fluoranthene	22.47	252	268171	7.790	ng	99
90) Benzo(a)pyrene	22.94	252	229191	7.035	ng	98
91) Dibenzo(a,h)anthracene	25.04	278	238418	7.448	ng	99
92) Benzo(g,h,i)perylene	25.64	276	232660	7.888	ng	97

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

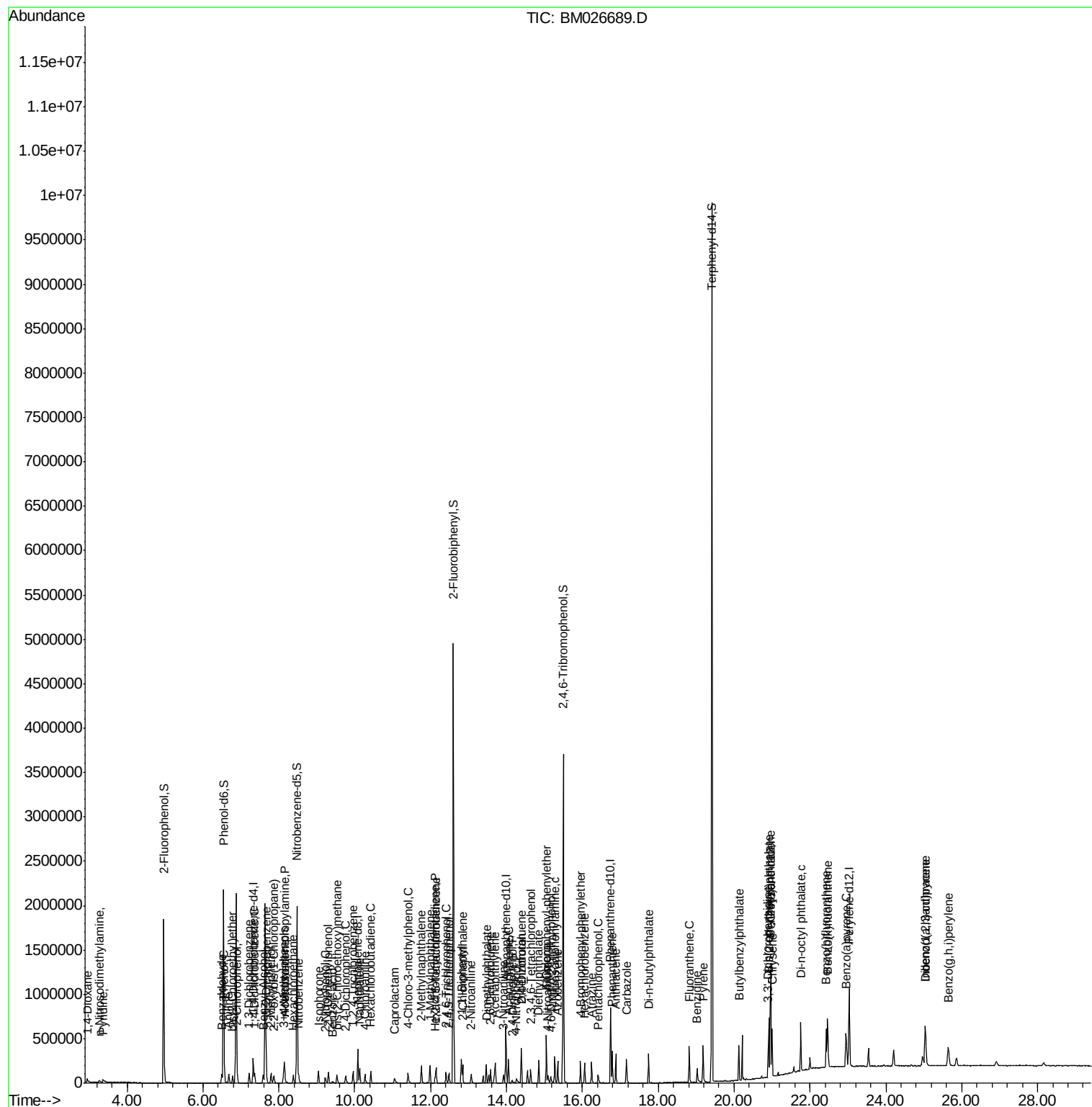
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
Data File : BM026689.D
Acq On : 07 Jul 2020 22:44
Operator : JU/CG
Sample : L3216-01
Misc : LOD-MDL-S-8PPM
ALS Vial : 10 Sample Multiplier: 1

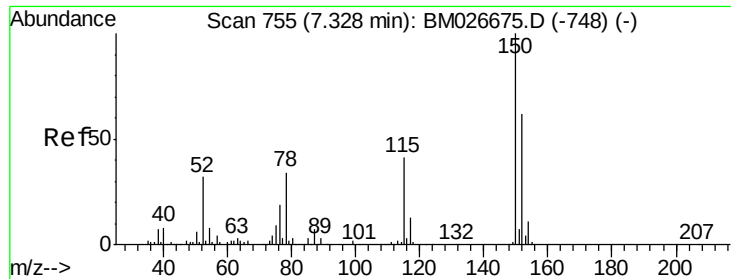
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM

Quant Time: Jul 08 05:52:51 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 05:15:28 2020
Response via : Initial Calibration





#1

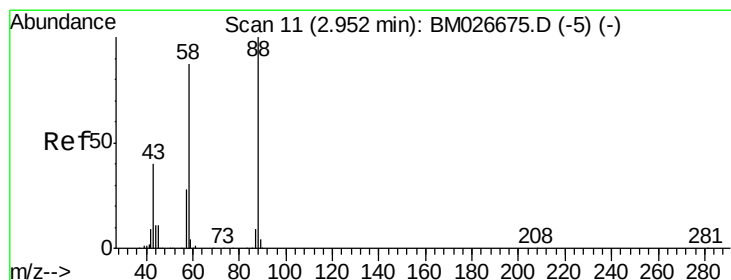
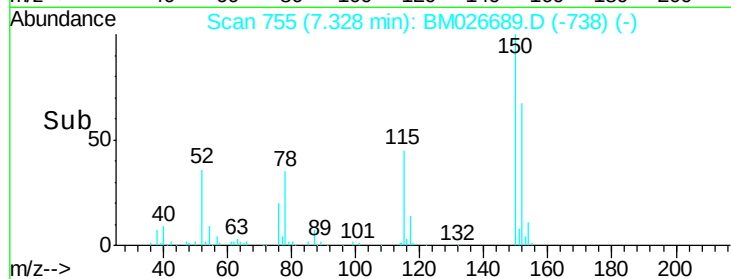
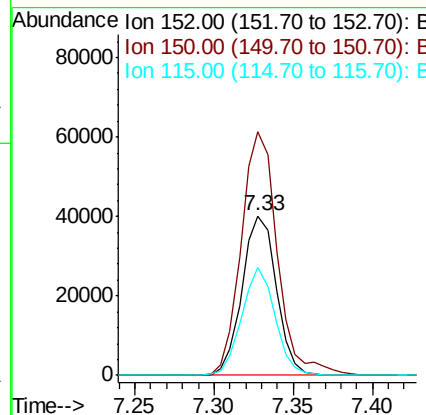
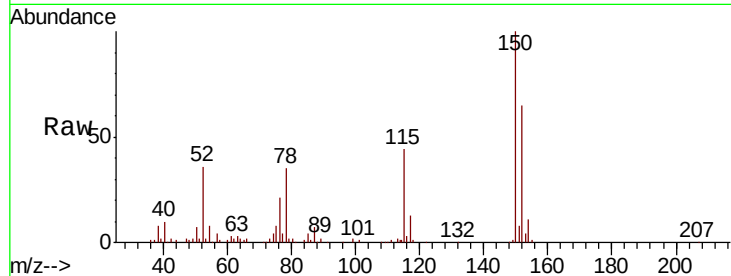
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	128.1	192.1
115	67.8	52.2	78.4

Manual Integrations
APPROVED

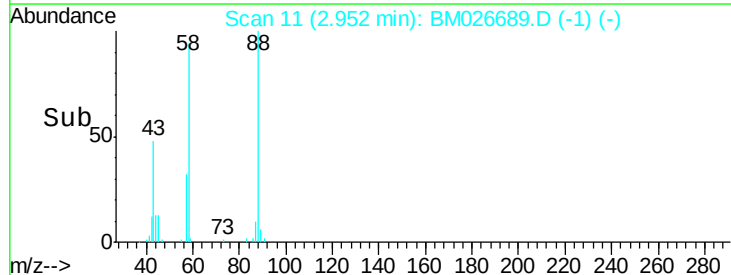
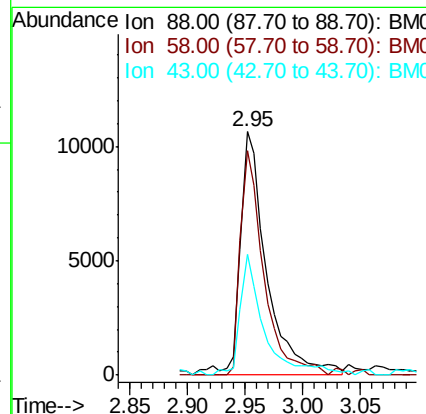
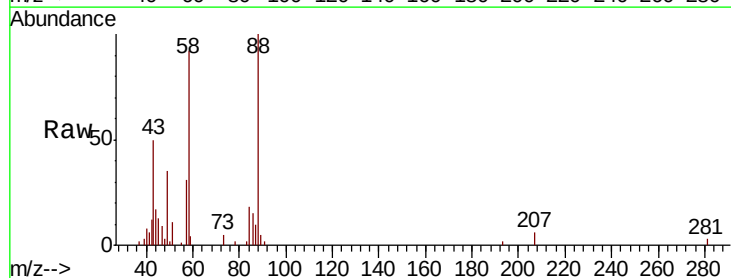
mohammad
7/9/2020 10:56:43 AM

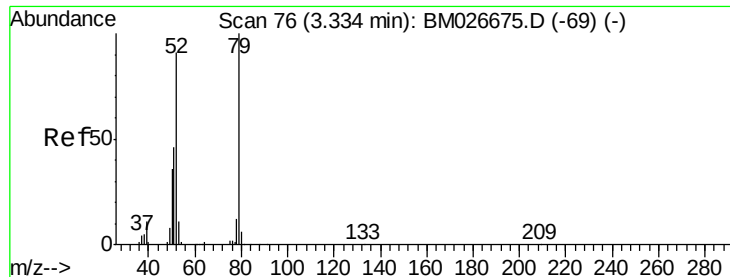


#2

1,4-Dioxane
Concen: 9.929 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.1	73.2	109.8
43	44.8	34.3	51.5





#3

Pvridine

Concen: 5.579 ng

RT: 3.36 min Scan# 81

Delta R.T. 0.03 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

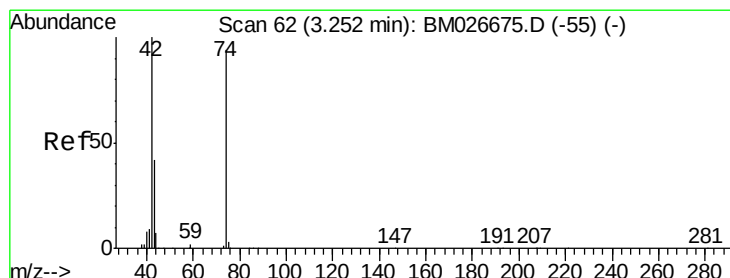
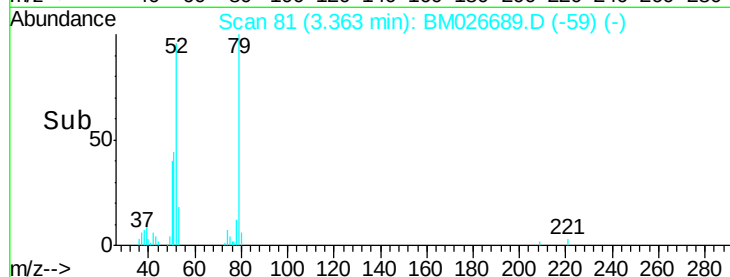
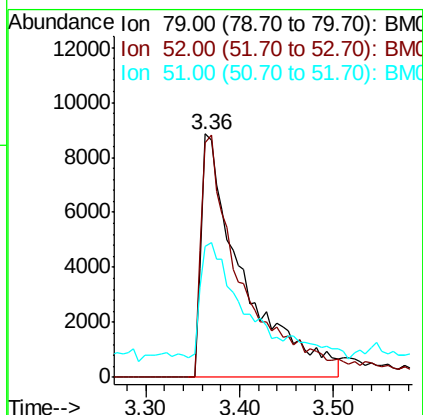
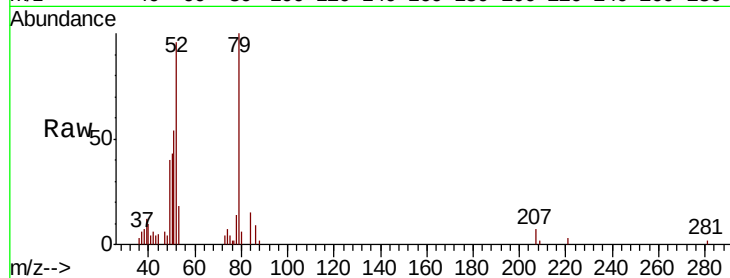
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	27430
Ion	Ratio	Lower	Upper
79	100		
52	96.5	72.9	109.3
51	54.0	37.6	56.4

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#4

n-Nitrosodimethylamine

Concen: 7.365 ng

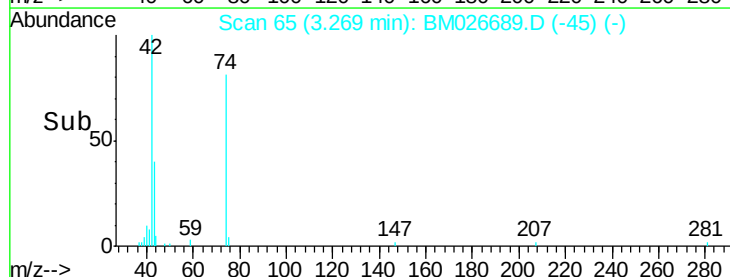
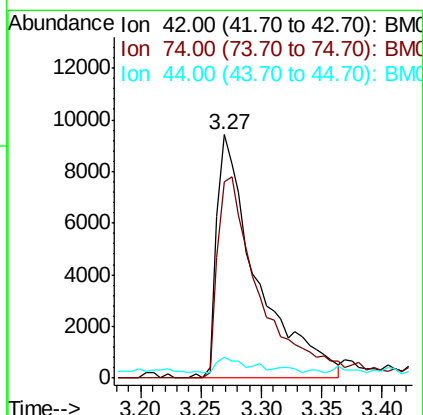
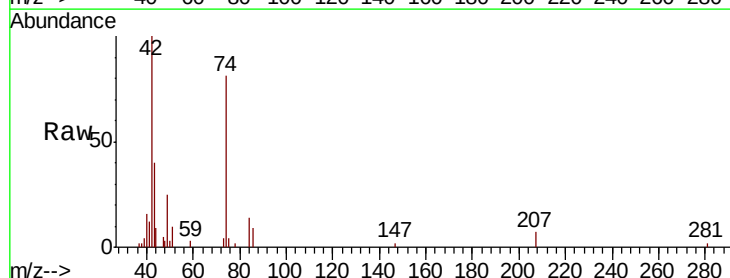
RT: 3.27 min Scan# 65

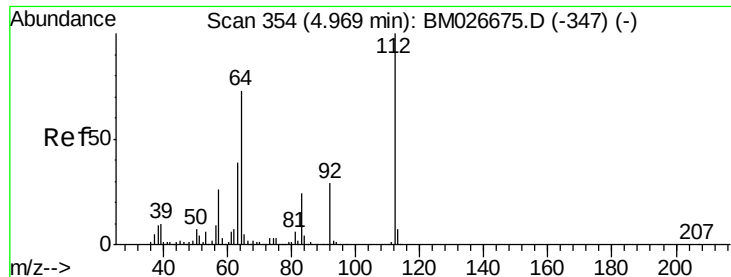
Delta R.T. 0.02 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	42	Resp:	21672
Ion	Ratio	Lower	Upper
42	100		
74	80.7	75.1	112.7
44	8.7	5.7	8.5#





#5

2-Fluorophenol

Concen: 175.302 ng

RT: 4.97 min Scan# 354

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

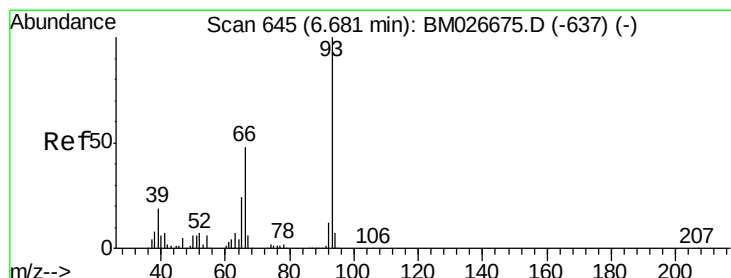
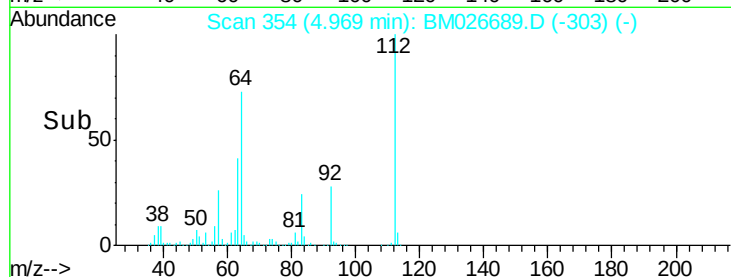
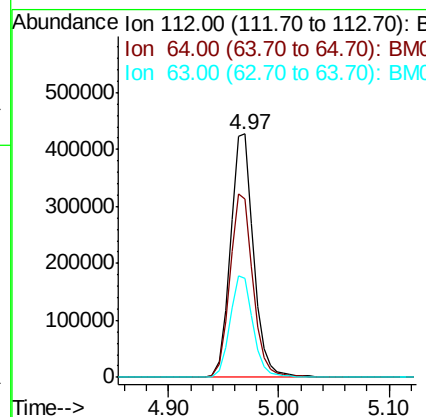
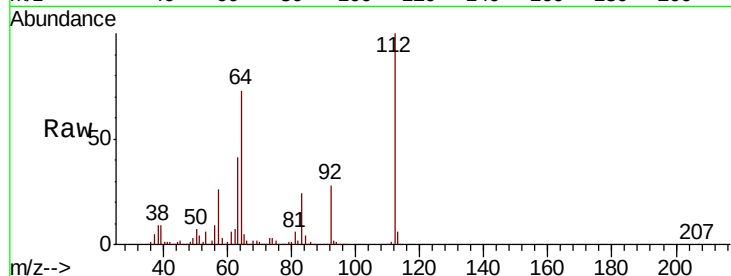
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	112	Resp:	627140
Ion Ratio	Lower	Upper	
112	100		
64	73.1	58.4	87.6
63	40.5	31.5	47.3

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#6

Aniline

Concen: 7.572 ng

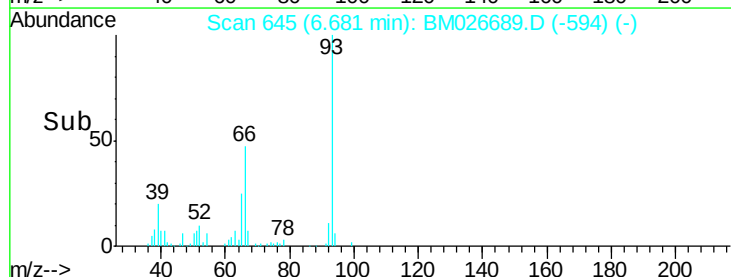
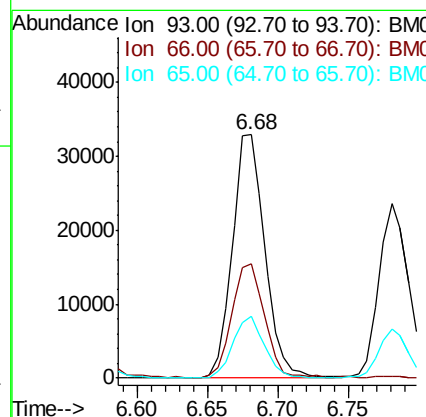
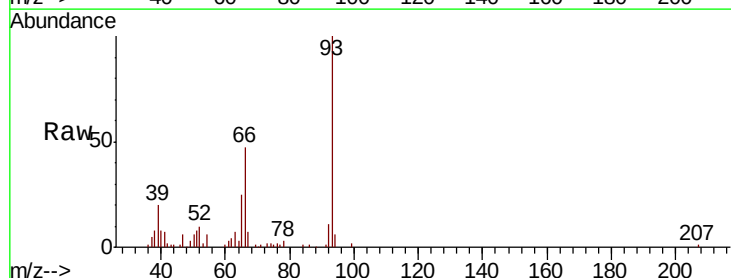
RT: 6.68 min Scan# 645

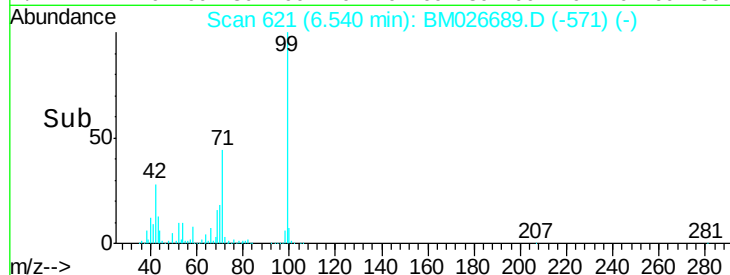
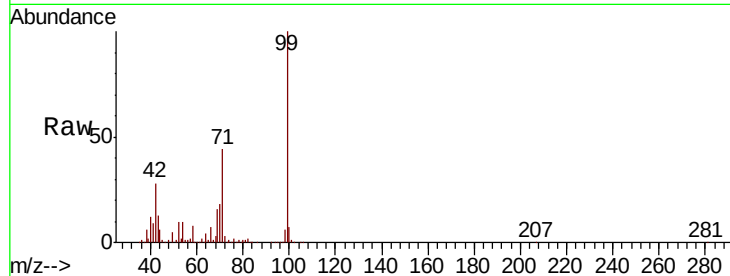
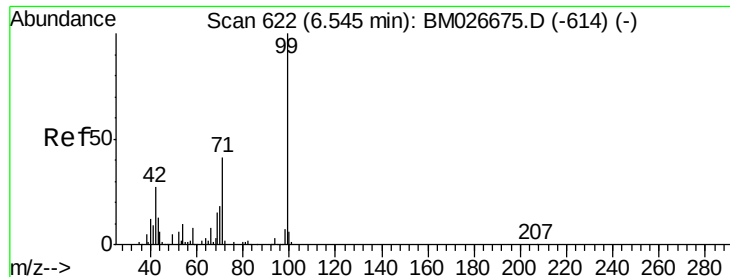
Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	93	Resp:	52970
Ion Ratio	Lower	Upper	
93	100		
66	46.9	38.2	57.4
65	25.4	19.6	29.4





#7

Phenol-d6

Concen: 164.551 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		937915		
42	27.9	21.7	32.5		
71	43.9	33.2	49.8		

Instrument :

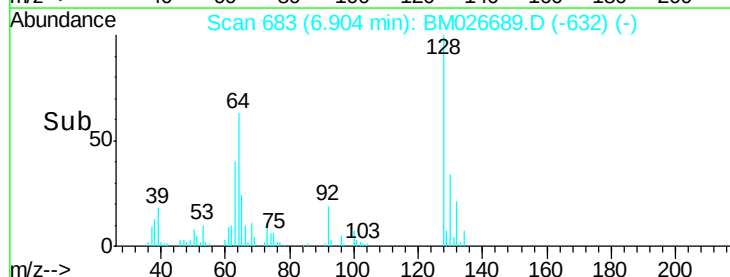
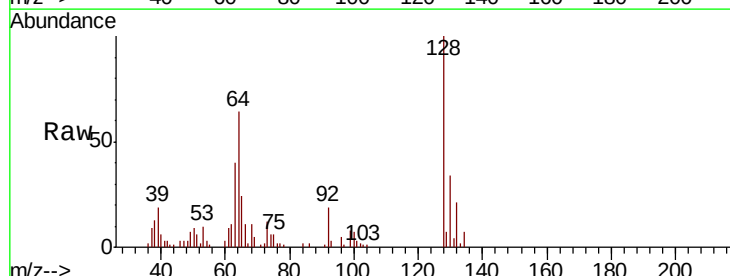
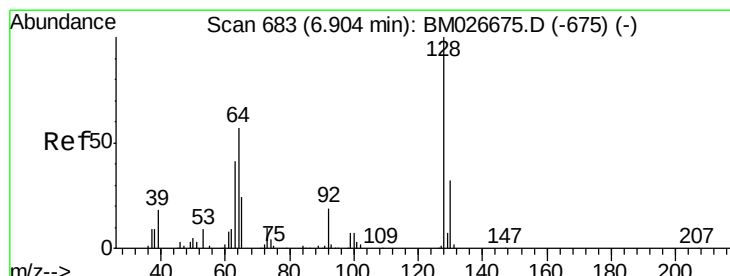
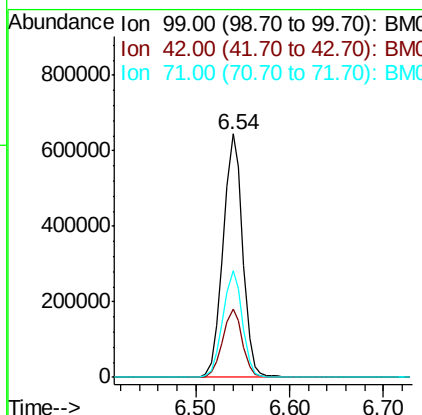
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#8

2-Chlorophenol

Concen: 7.668 ng

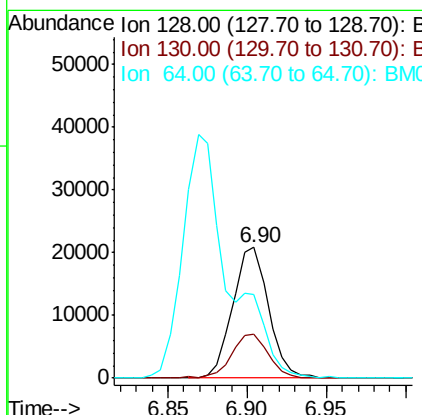
RT: 6.90 min Scan# 683

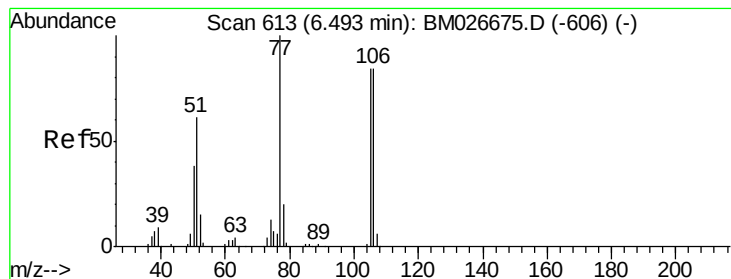
Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		32679		
130	33.6	12.2	52.2		
64	63.7	41.4	81.4		





#9

Benzaldehyde

Concen: 11.631 ng

RT: 6.49 min Scan# 613

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

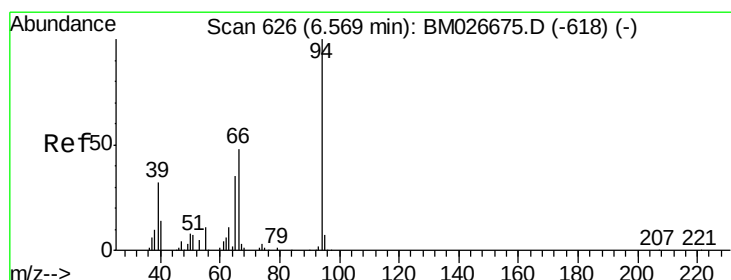
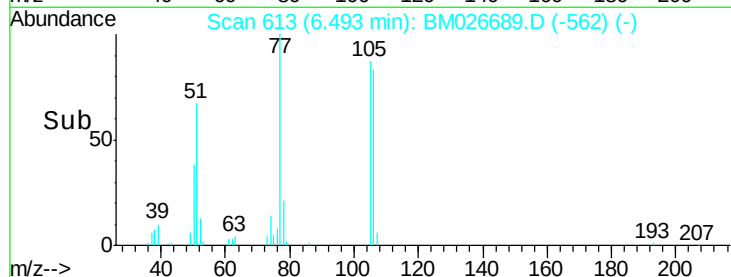
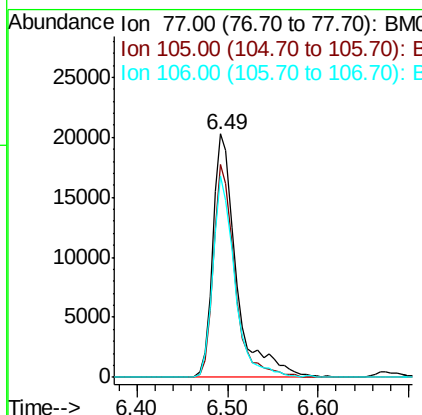
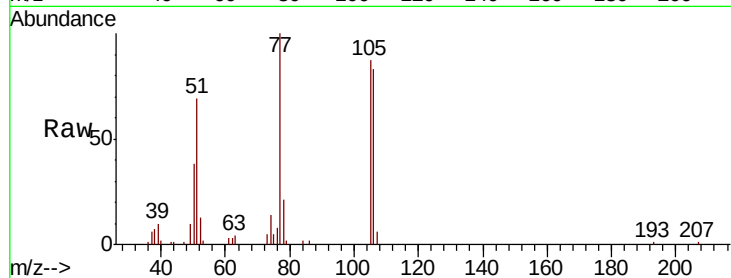
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	36794
Ion	Ratio	Lower	Upper
77	100		
105	87.5	64.4	104.4
106	82.7	64.3	104.3

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#10

Phenol

Concen: 7.685 ng

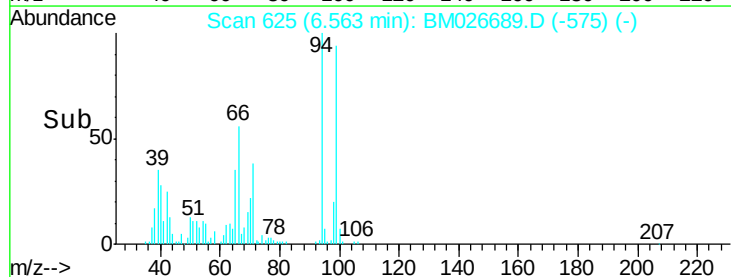
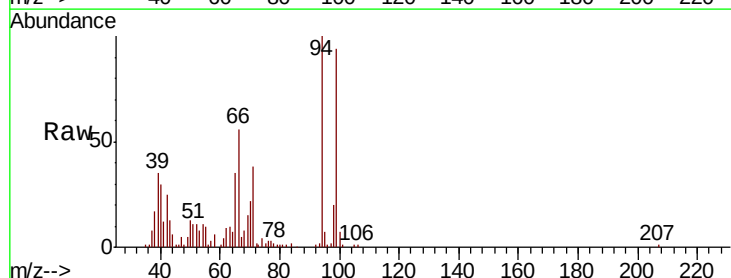
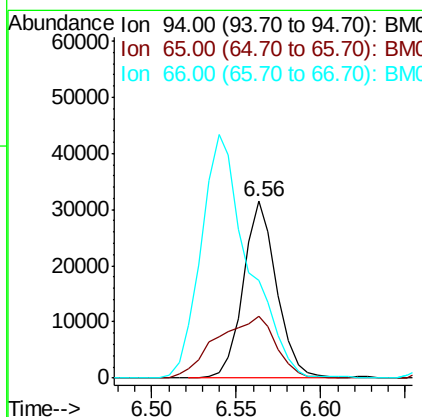
RT: 6.56 min Scan# 625

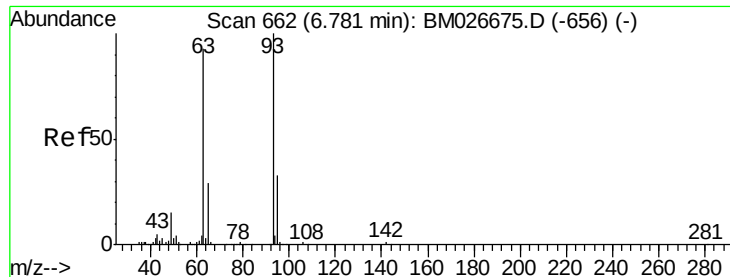
Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	94	Resp:	43292
Ion	Ratio	Lower	Upper
94	100		
65	35.1	15.5	55.5
66	55.6	29.8	69.8





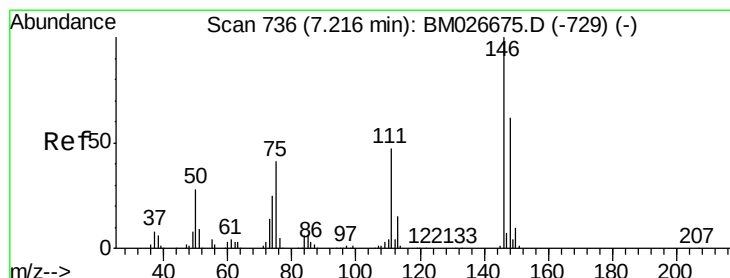
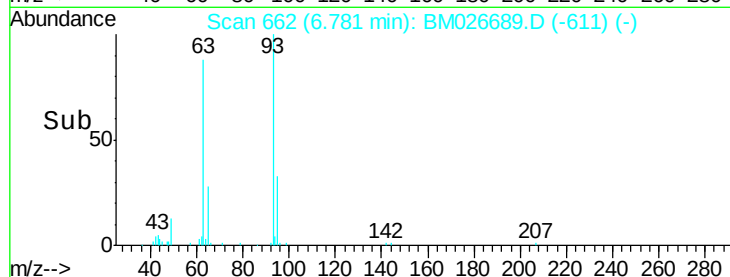
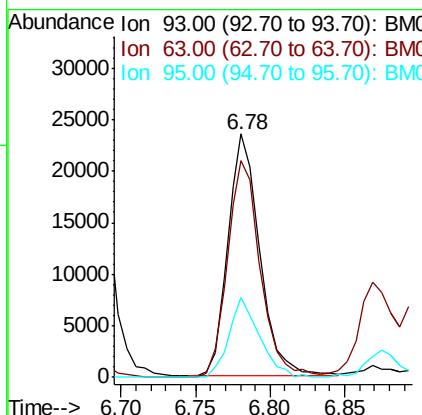
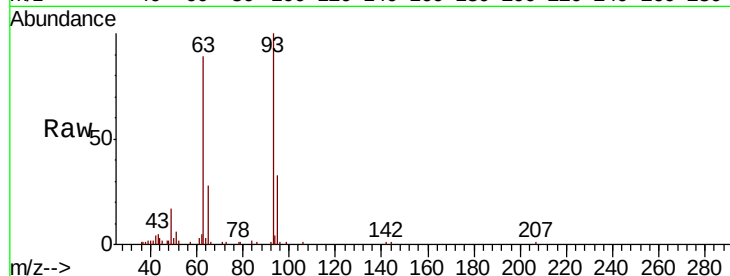
#11
bis(2-Chloroethyl)ether
Concen: 7.411 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	93	Resp	34906
Ion	Ratio	Lower	Upper
93	100		
63	89.3	72.6	112.6
95	33.0	12.3	52.3

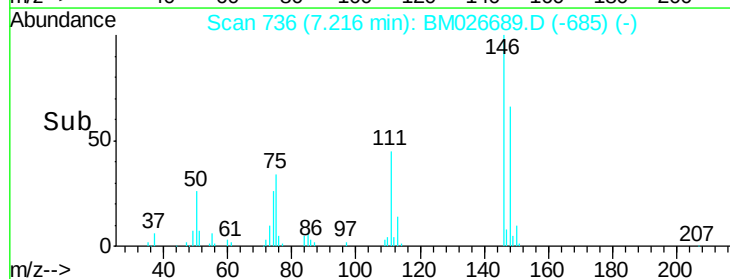
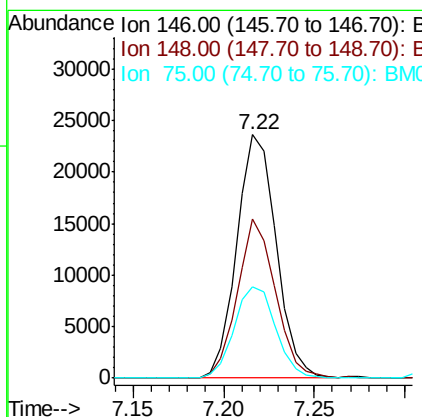
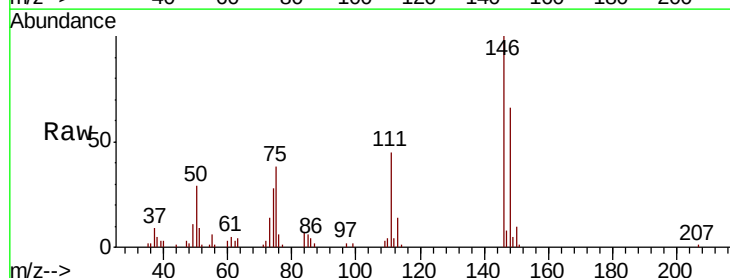
Manual Integrations
APPROVED

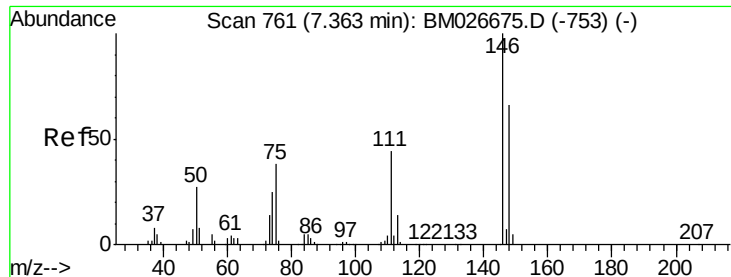
mohammad
7/9/2020 10:56:43 AM



#12
1,3-Dichlorobenzene
Concen: 7.720 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	146	Resp	35762
Ion	Ratio	Lower	Upper
146	100		
148	65.5	49.7	74.5
75	37.7	32.7	49.1





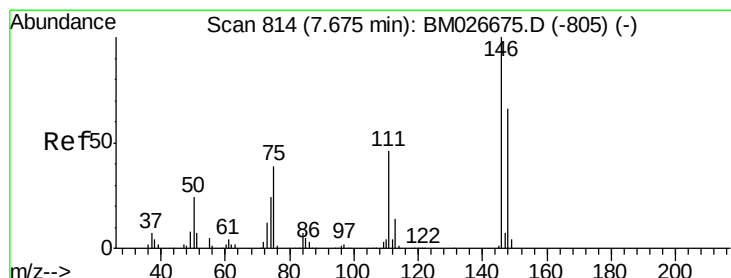
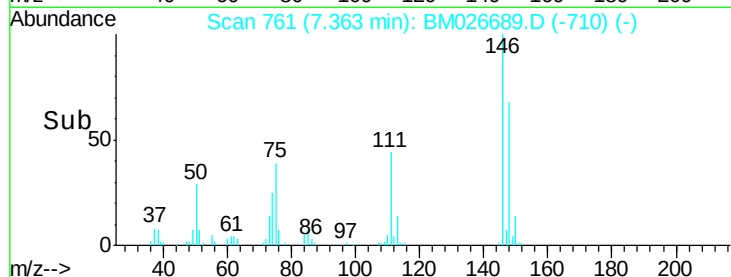
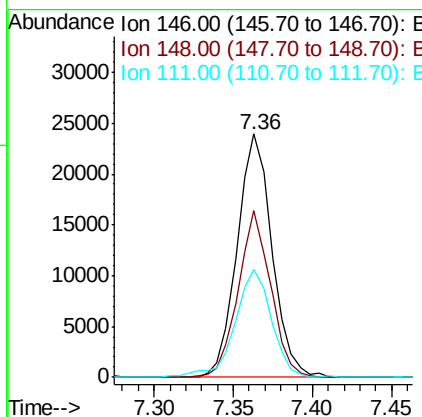
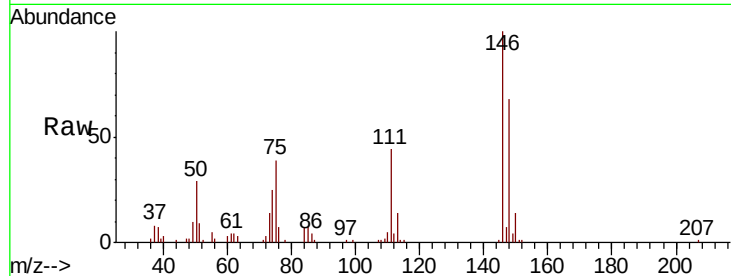
#13
1,4-Dichlorobenzene
Concen: 7.732 ng
RT: 7.36 min Scan# 761
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	68.3	52.4	78.6
111	44.4	35.6	53.4

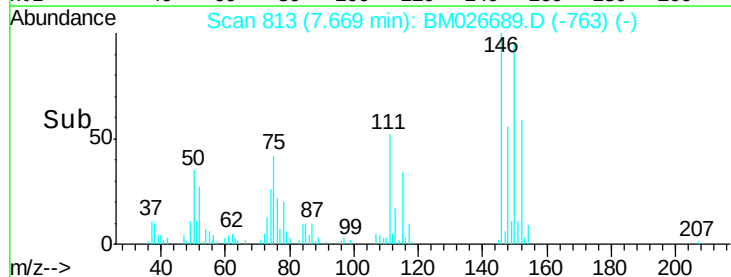
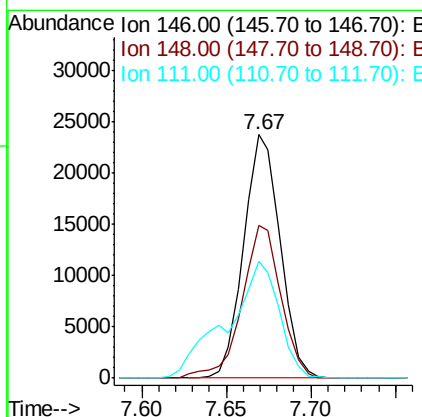
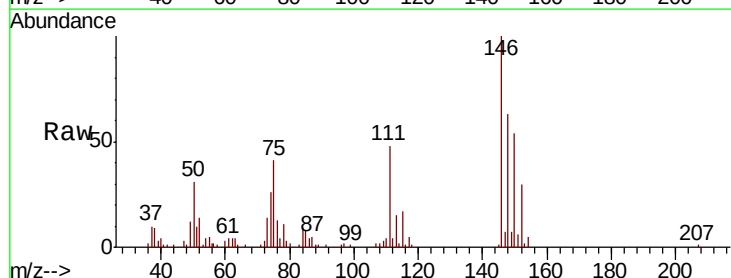
Manual Integrations
APPROVED

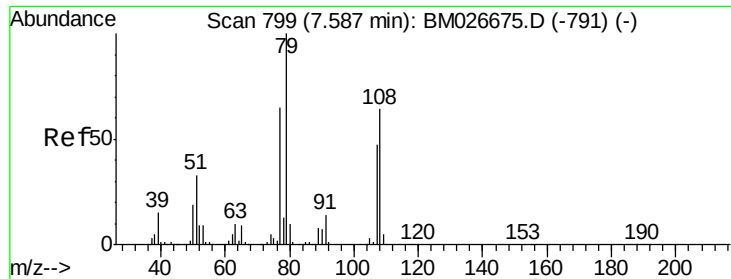
mohammad
7/9/2020 10:56:43 AM



#14
1,2-Dichlorobenzene
Concen: 7.582 ng
RT: 7.67 min Scan# 813
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	52.6	78.8
111	47.9	37.2	55.8





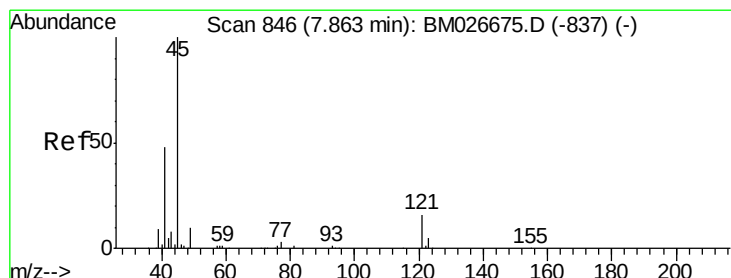
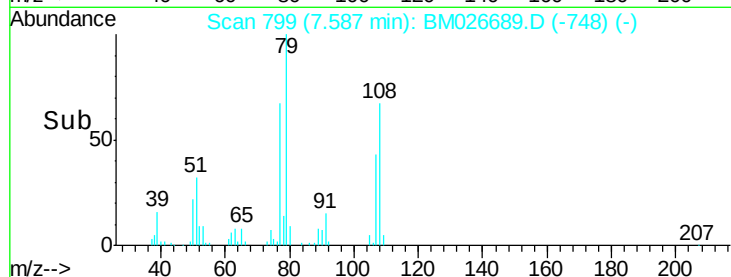
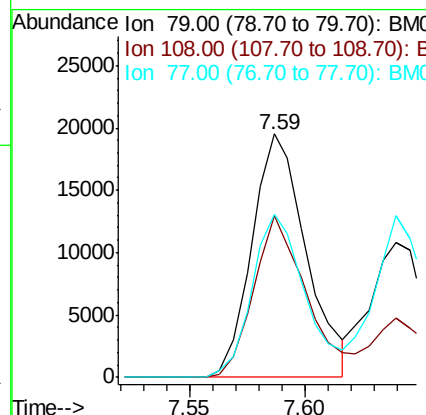
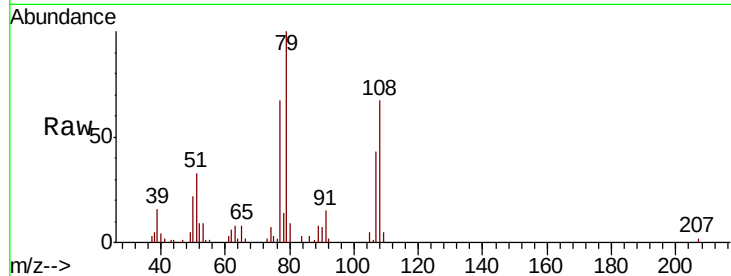
#15
Benzyl Alcohol
Concen: 6.534 ng
RT: 7.59 min Scan# 799
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
79	100		
108	66.5	51.0	76.4
77	67.0	52.1	78.1

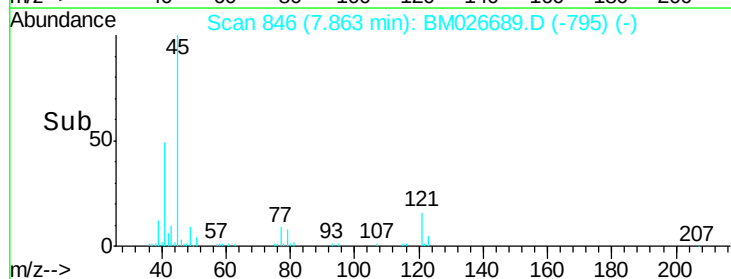
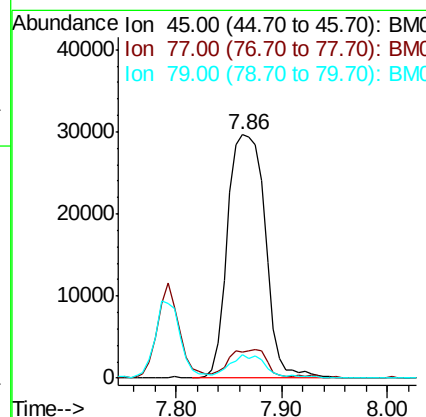
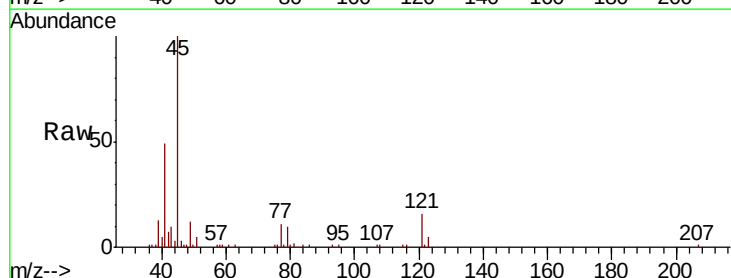
Manual Integrations
APPROVED

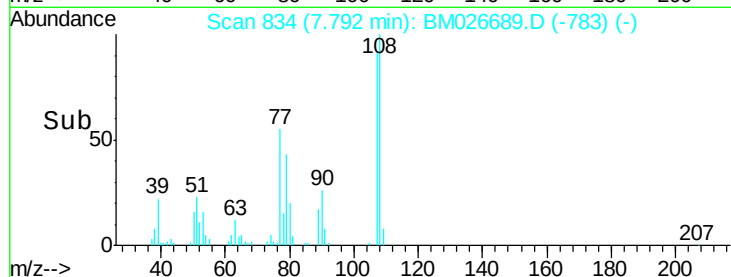
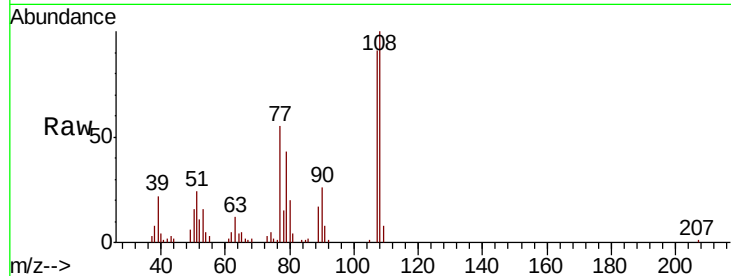
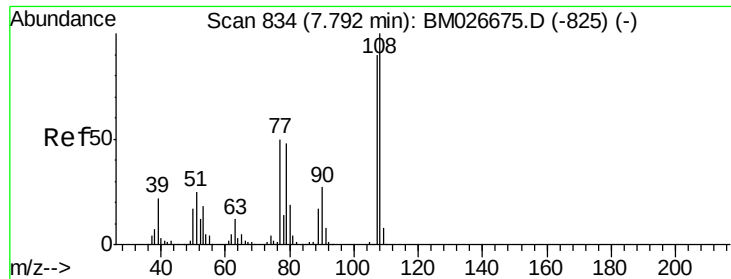
mohammad
7/9/2020 10:56:43 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.522 ng
RT: 7.86 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.5	0.0	31.4
79	9.6	0.0	28.4





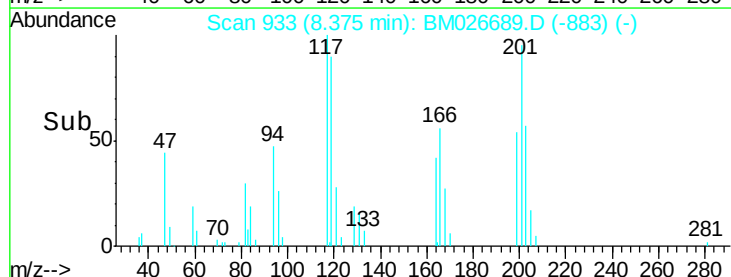
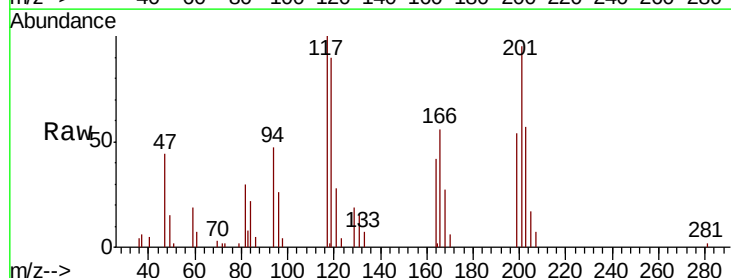
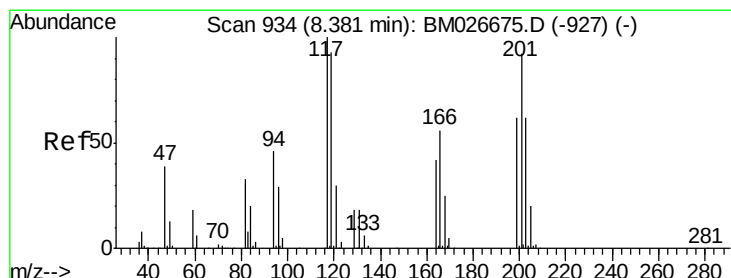
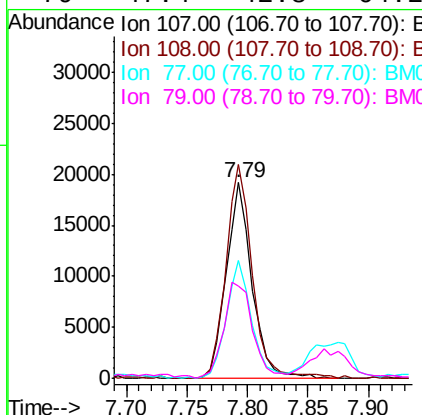
#17
2-Methylphenol
Concen: 6.602 ng
RT: 7.79 min Scan# 834
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tot Ion	107	Resp	28265
Ion	Ratio	Lower	Upper
107	100		
108	109.4	89.4	134.0
77	60.4	45.2	67.8
79	47.4	42.8	64.2

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

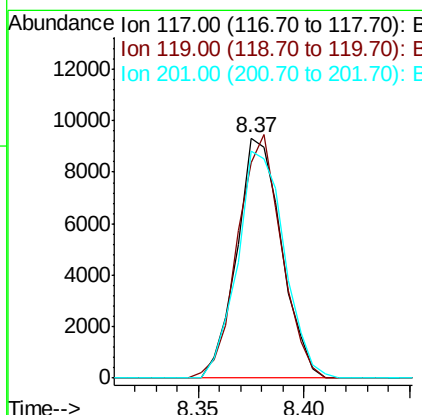
Manual Integrations
APPROVED

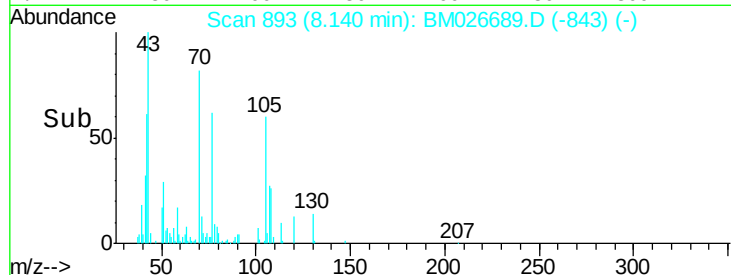
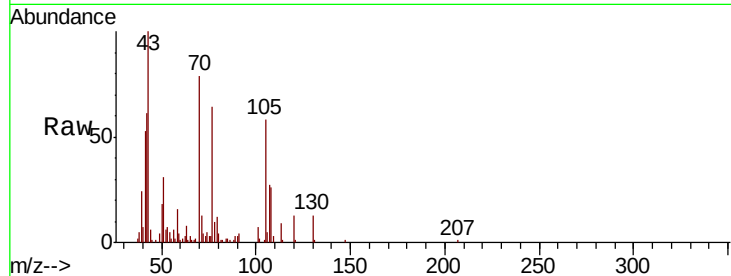
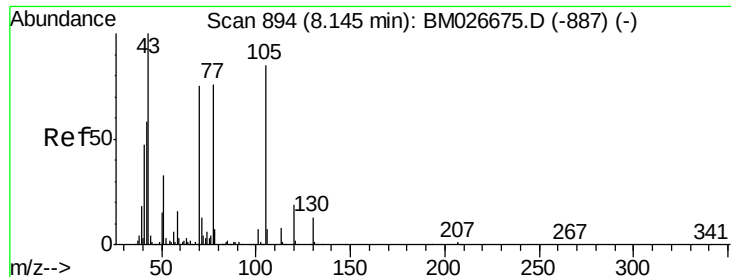
mohammad
7/9/2020 10:56:43 AM



#18
Hexachloroethane
Concen: 7.302 ng
RT: 8.37 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	117	Resp	13674
Ion	Ratio	Lower	Upper
117	100		
119	90.1	74.2	111.2
201	94.5	73.6	110.4





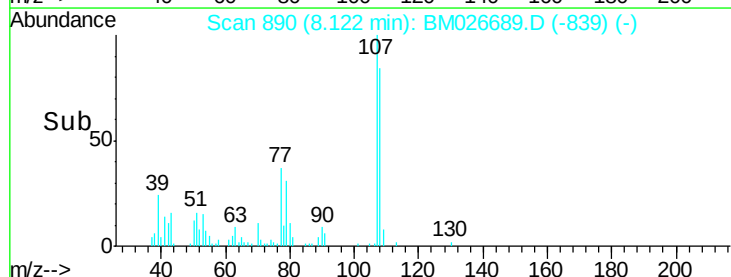
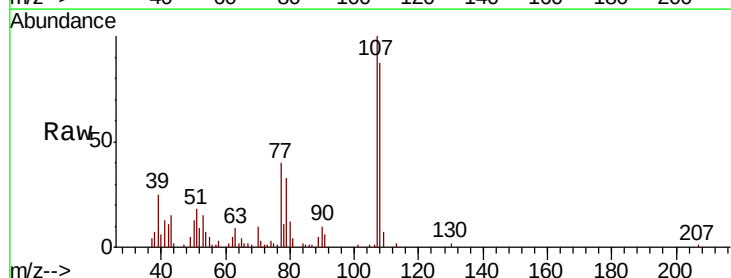
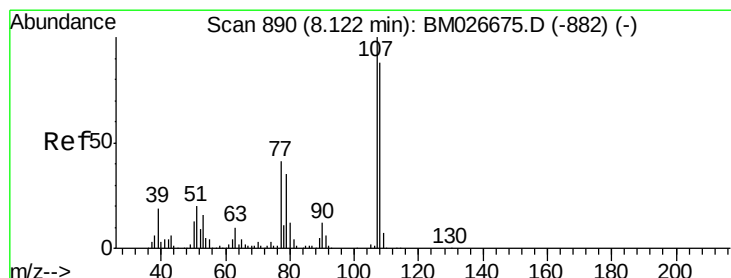
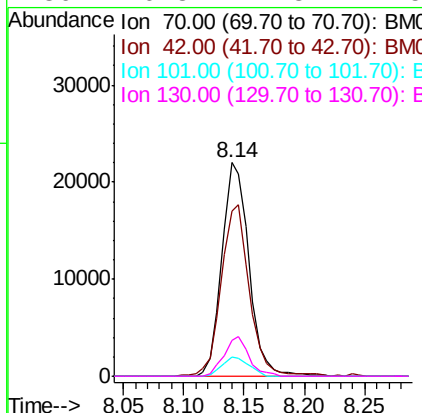
#19
n-Nitroso-di-n-propylamine
Concen: 7.229 ng
RT: 8.14 min Scan# 893
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	77.2	62.3	93.5
101	8.9	7.1	10.7
130	16.8	14.3	21.5

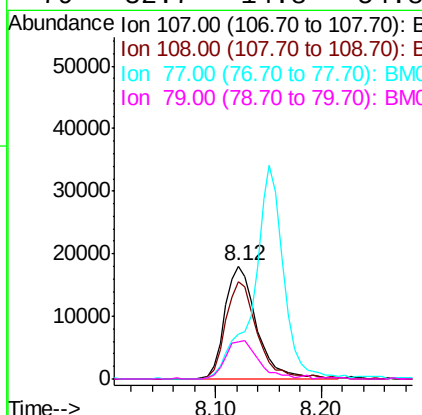
Manual Integrations
APPROVED

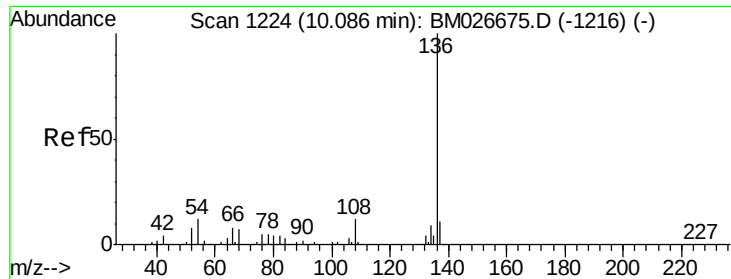
mohammad
7/9/2020 10:56:43 AM



#20
3+4-Methylphenols
Concen: 6.422 ng
RT: 8.12 min Scan# 890
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.6	68.5	108.5
77	40.0	20.8	60.8
79	32.7	14.8	54.8





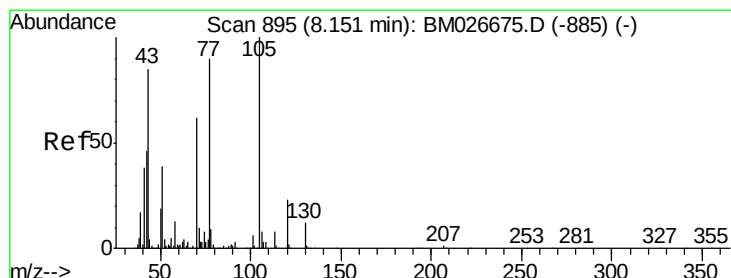
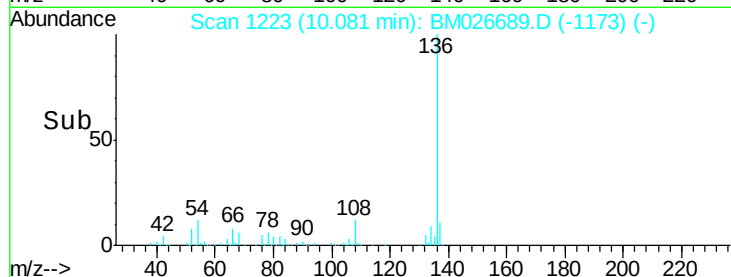
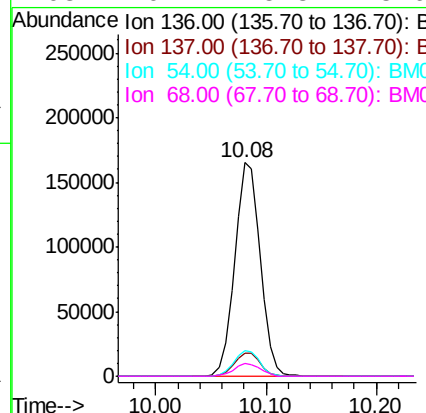
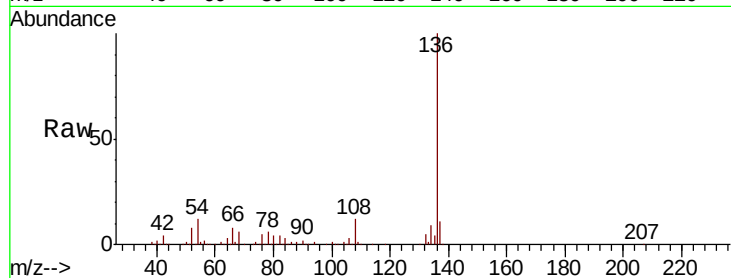
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.08 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	267788		
137	11.1	8.6	12.8	
54	11.7	9.8	14.6	
68	6.2	5.8	8.6	

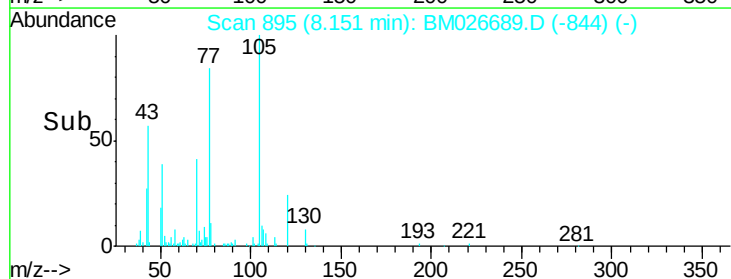
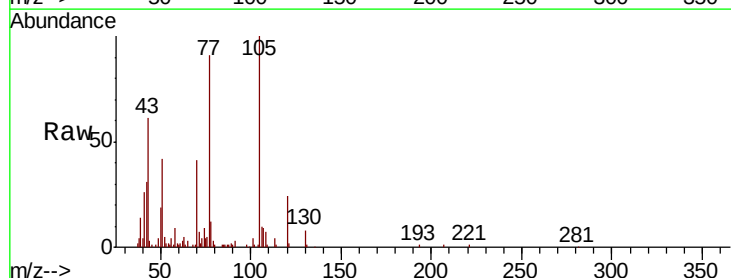
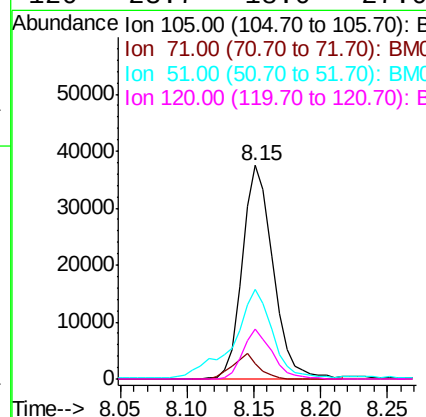
Manual Integrations
APPROVED

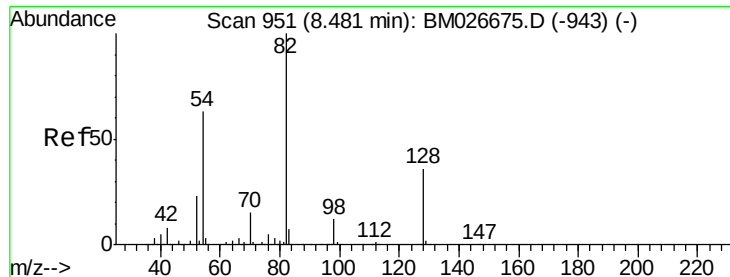
mohammad
7/9/2020 10:56:43 AM



#22
Acetophenone
Concen: 7.867 ng
RT: 8.15 min Scan# 895
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	59863		
71	7.0	8.1	12.1#	
51	42.0	31.9	47.9	
120	23.7	18.0	27.0	





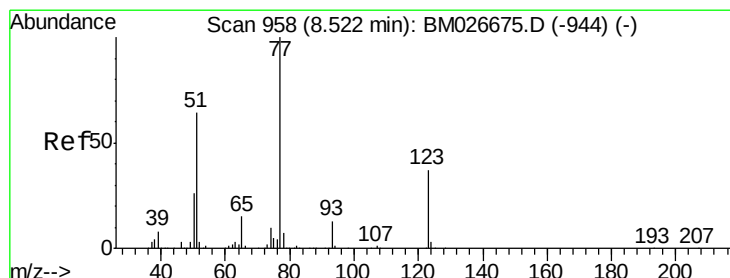
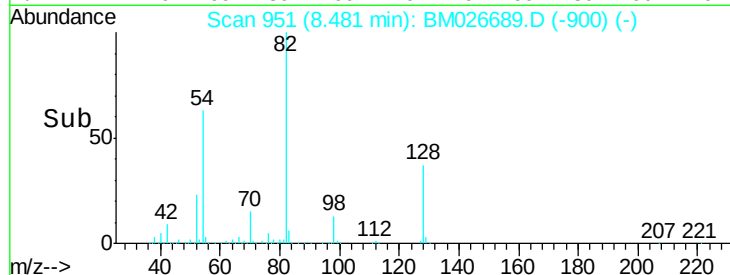
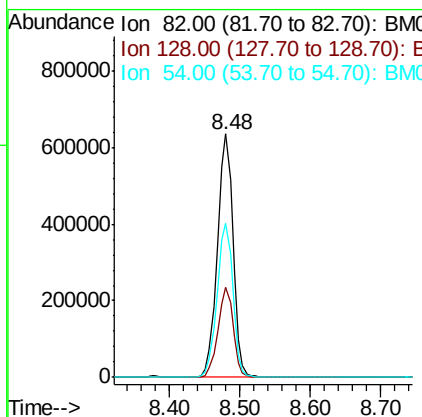
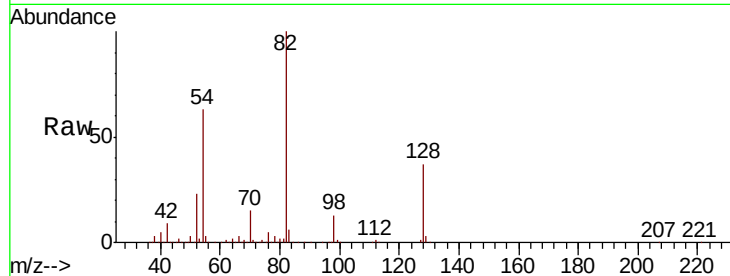
#23
 Nitrobenzene-d5
 Concen: 156.426 ng
 RT: 8.48 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.1	43.7
54	63.1	50.2	75.4

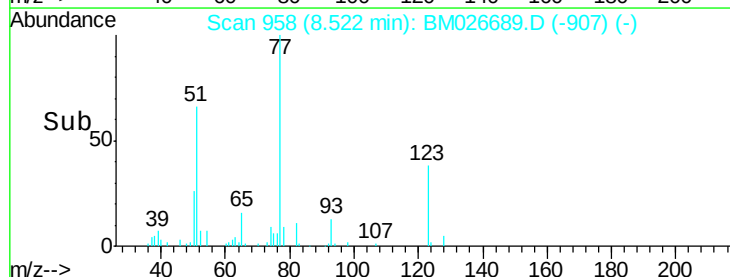
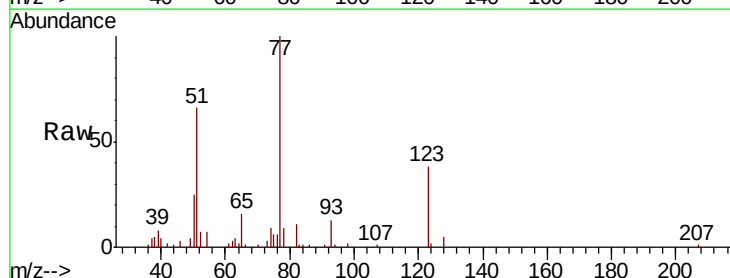
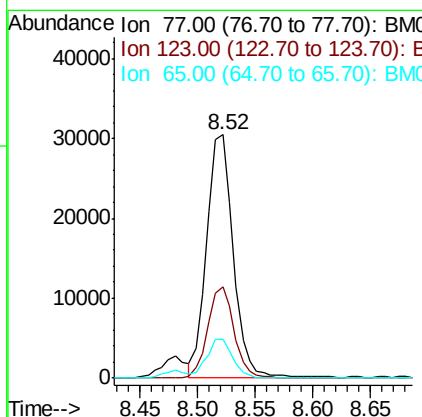
Manual Integrations
 APPROVED

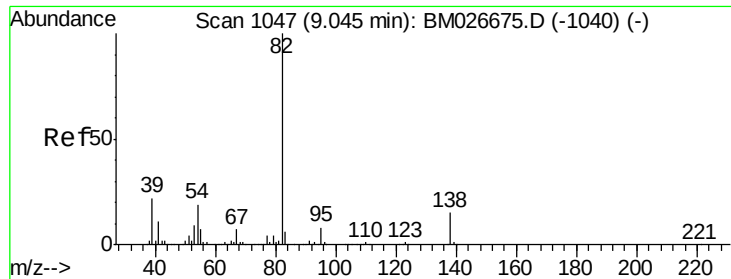
mohammad
 7/9/2020 10:56:43 AM



#24
 Nitrobenzene
 Concen: 7.477 ng
 RT: 8.52 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.6	29.8	44.6
65	16.1	12.2	18.4





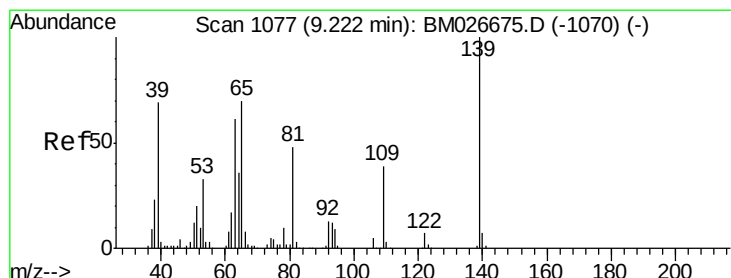
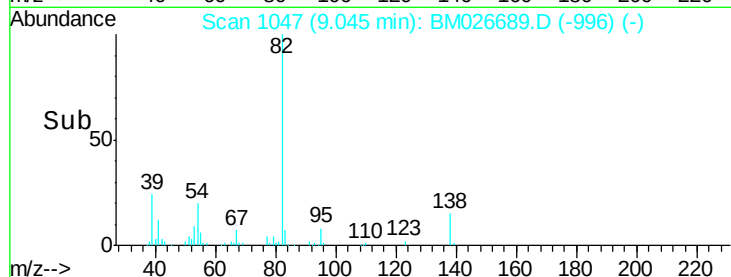
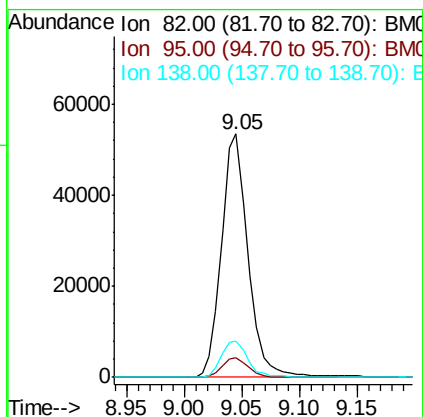
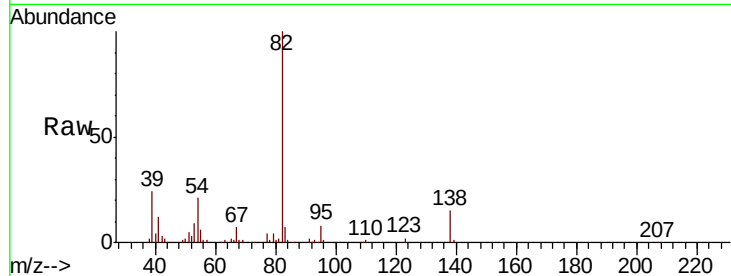
#25
Isophorone
Concen: 7.097 ng
RT: 9.05 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	85420		
95	8.1		6.3	9.5
138	14.7		12.0	18.0

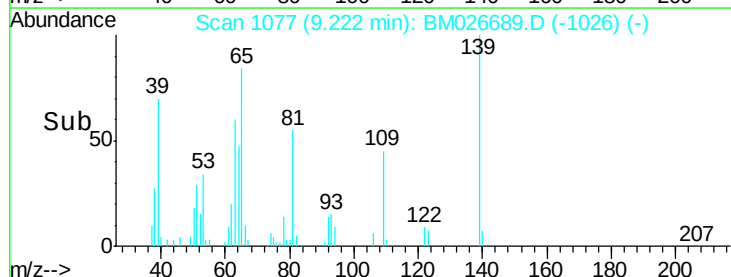
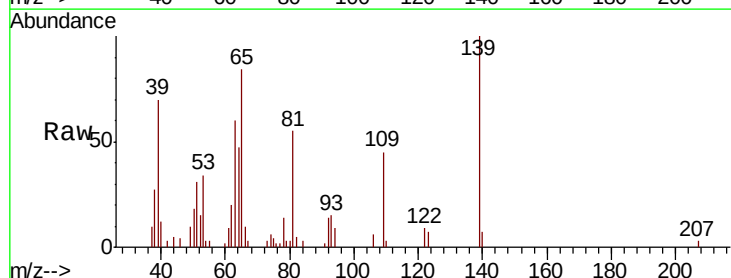
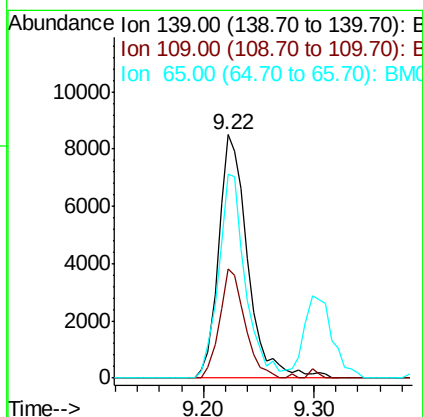
Manual Integrations
APPROVED

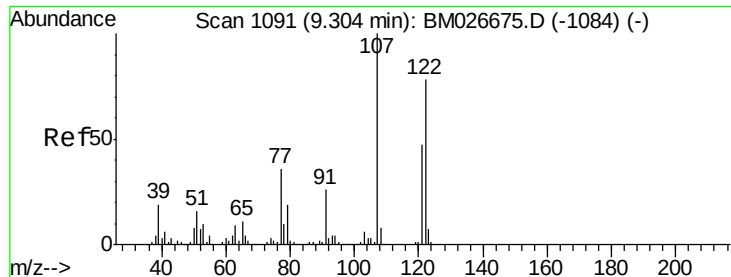
mohammad
7/9/2020 10:56:43 AM



#26
2-Nitrophenol
Concen: 6.398 ng
RT: 9.22 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	15592		
109	45.0		30.8	46.2
65	83.8		56.2	84.4





#27

2,4-Dimethylphenol

Concen: 7.819 ng

RT: 9.30 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

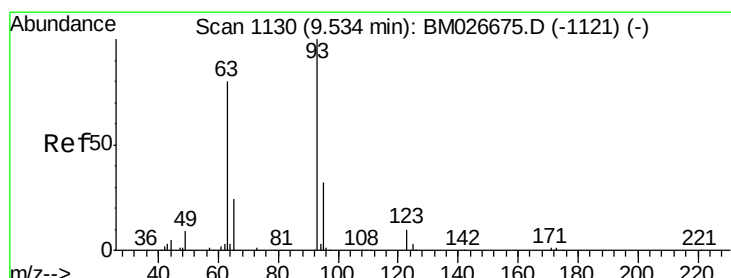
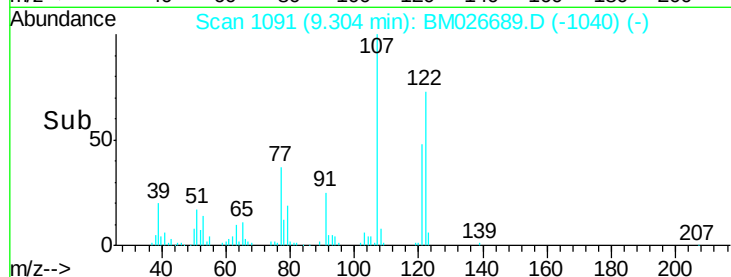
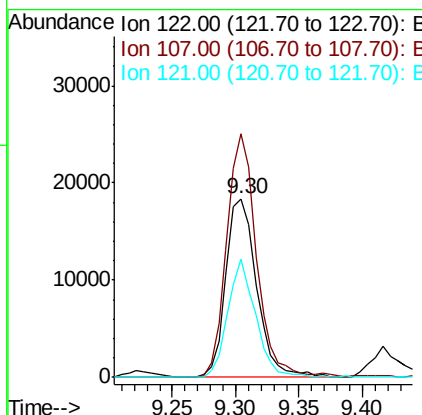
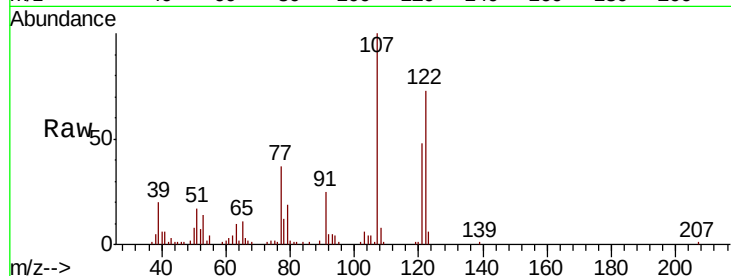
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	122	Resp:	30987
Ion	Ratio	Lower	Upper
122	100		
107	136.2	102.1	153.1
121	66.0	48.2	72.2

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#28

bis(2-Chloroethoxy)methane

Concen: 7.489 ng

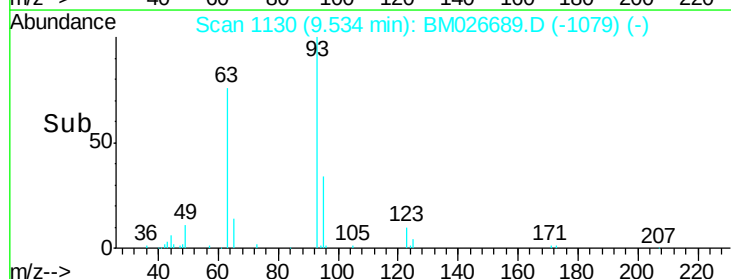
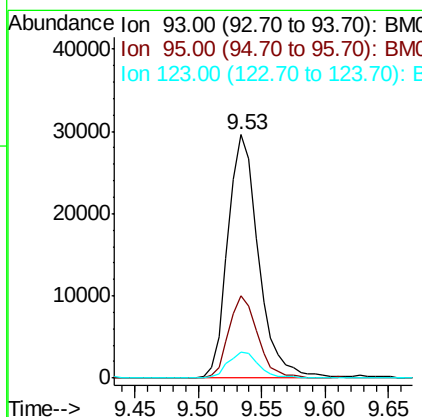
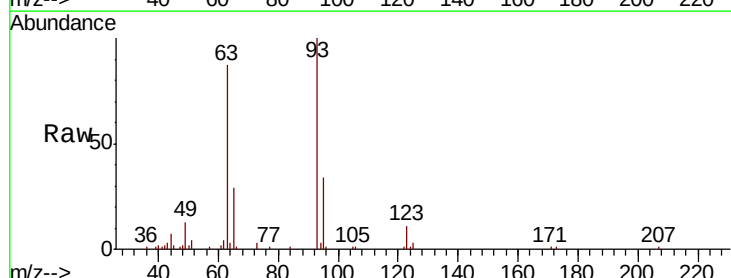
RT: 9.53 min Scan# 1130

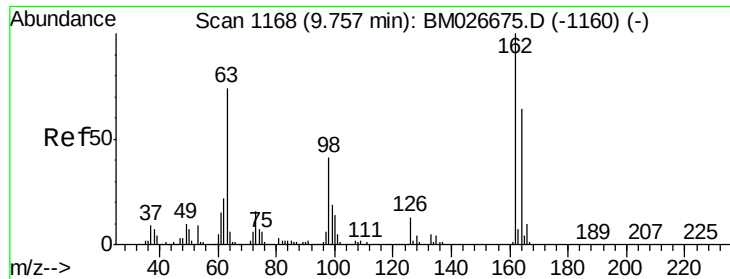
Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	93	Resp:	49798
Ion	Ratio	Lower	Upper
93	100		
95	33.7	25.7	38.5
123	10.6	8.7	13.1





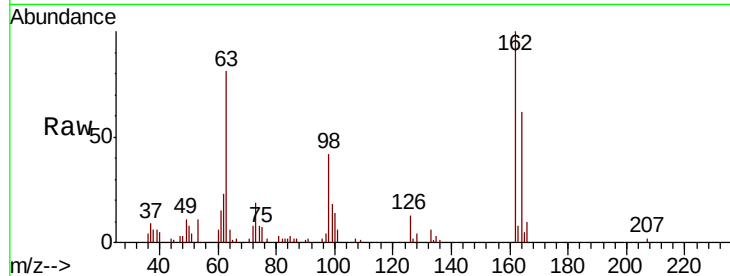
#29
2,4-Dichlorophenol
Concen: 6.761 ng
RT: 9.76 min Scan# 1169
Delta R.T. 0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.4	44.3	84.3
98	42.1	21.0	61.0

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM

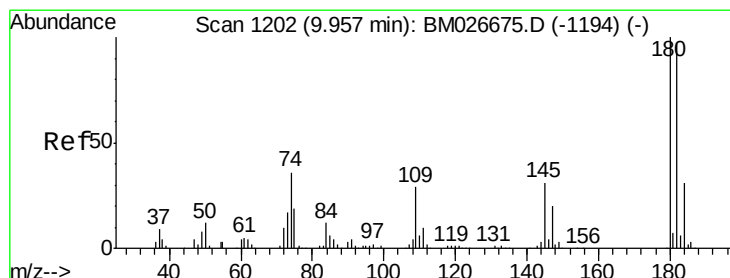
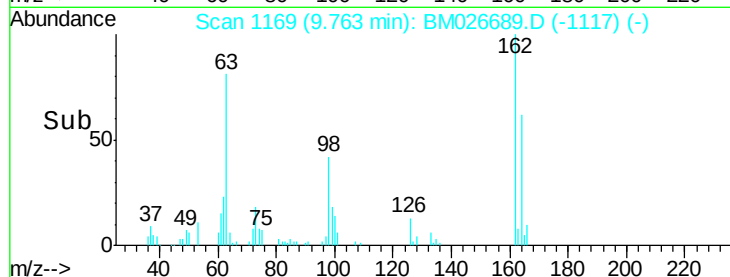
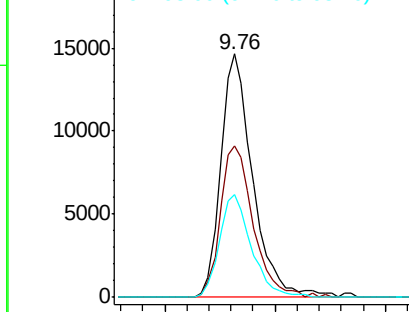


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30
1,2,4-Trichlorobenzene
Concen: 7.475 ng
RT: 9.96 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

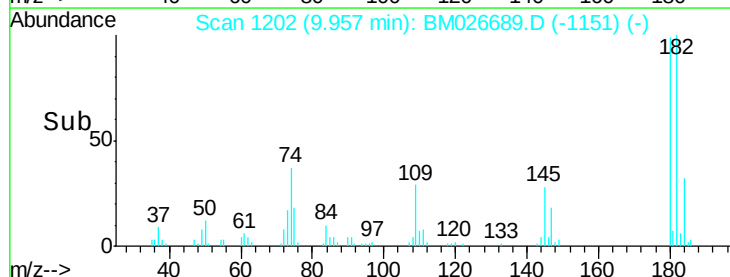
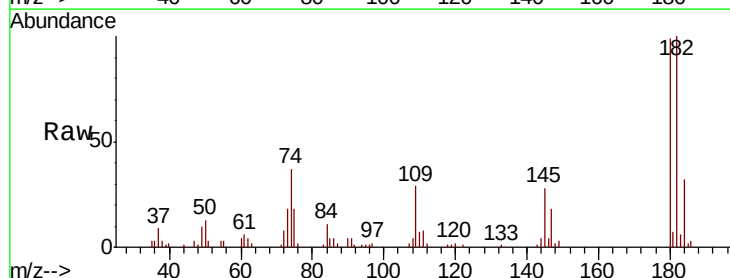
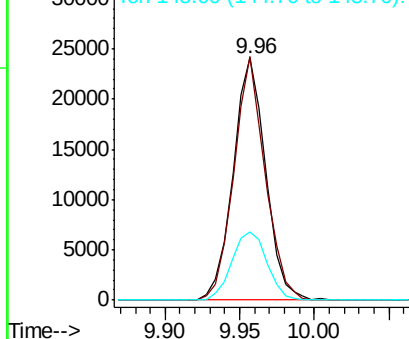
Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	77.8	116.6
145	28.4	25.0	37.6

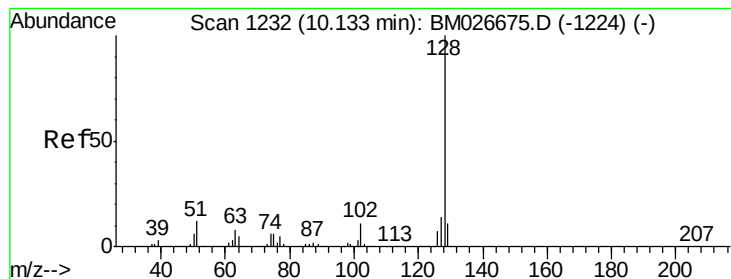
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 7.414 ng

RT: 10.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

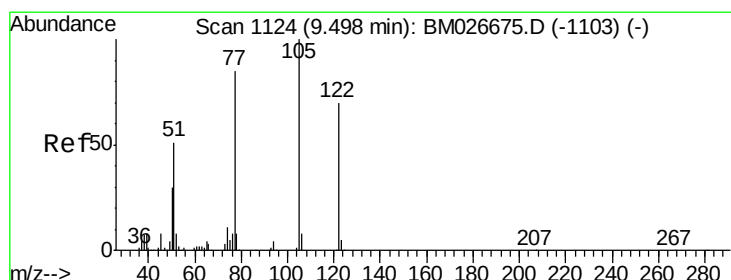
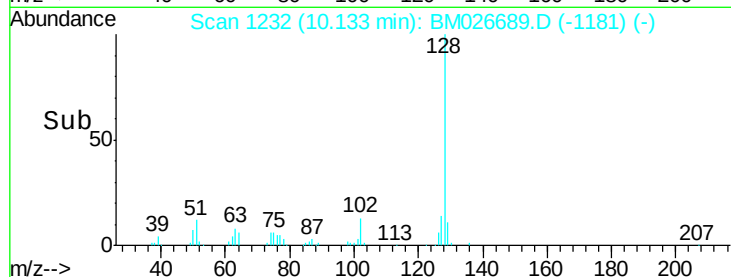
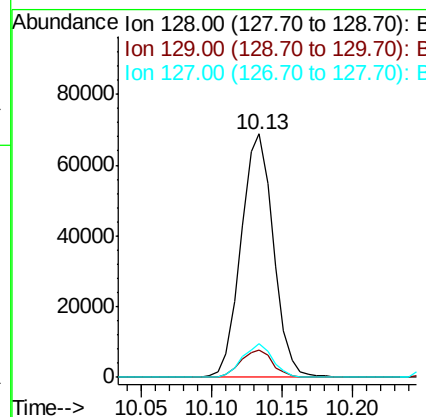
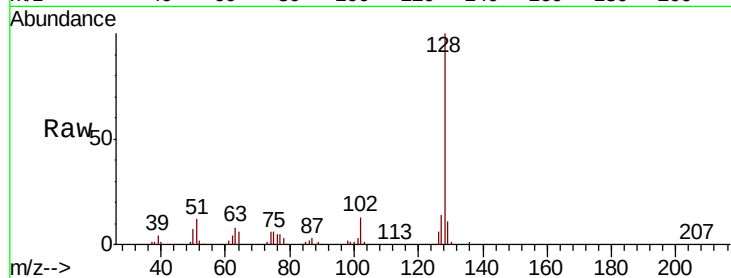
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	128	Resp:	110432
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	13.9	10.8	16.2

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#32

Benzoic acid

Concen: 2.582 ng m

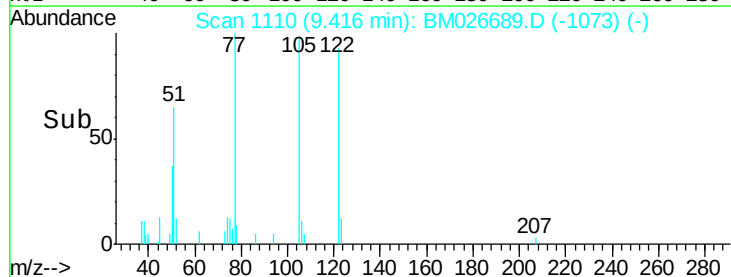
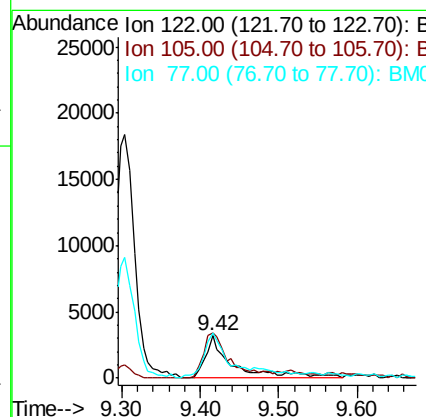
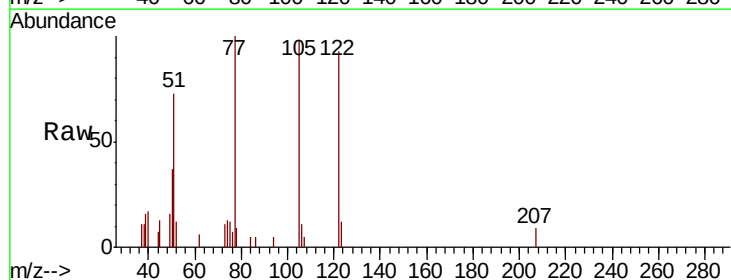
RT: 9.42 min Scan# 1110

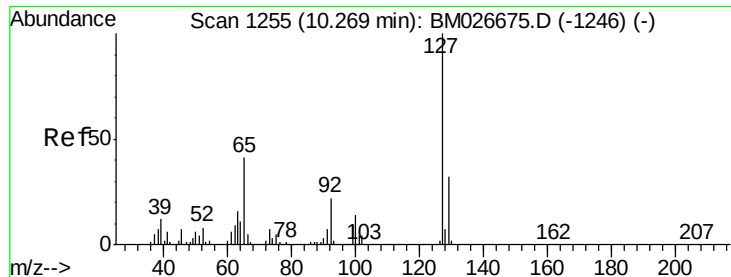
Delta R.T. -0.08 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	122	Resp:	7766
Ion Ratio	Lower	Upper	
122	100		
105	105.0	120.9	160.9#
77	107.5	100.0	140.0





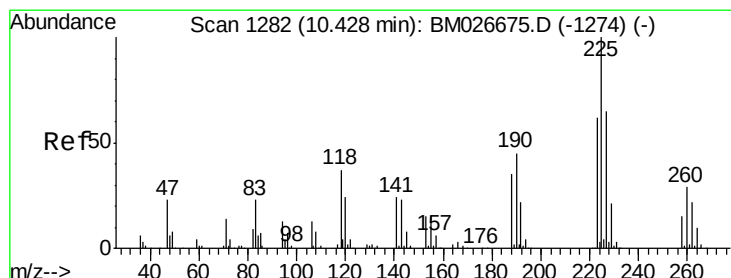
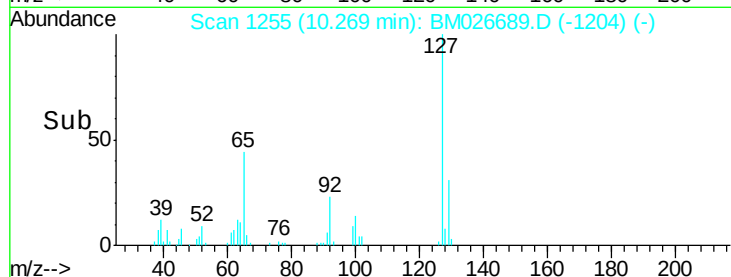
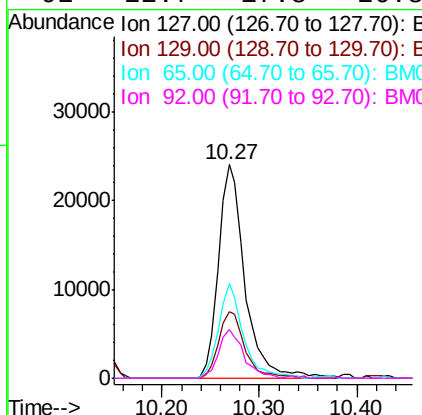
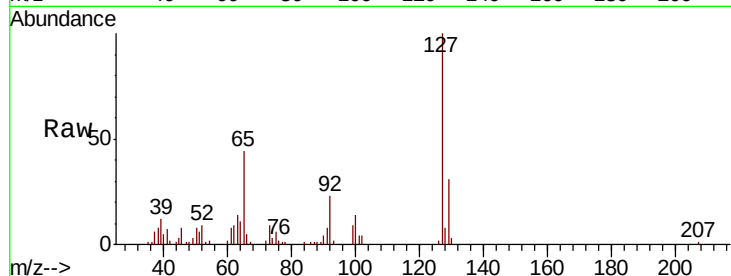
#33
4-Chloroaniline
Concen: 6.962 ng
RT: 10.27 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		45359		
129	30.9	25.8	38.6		
65	44.4	32.5	48.7		
92	22.7	17.8	26.8		

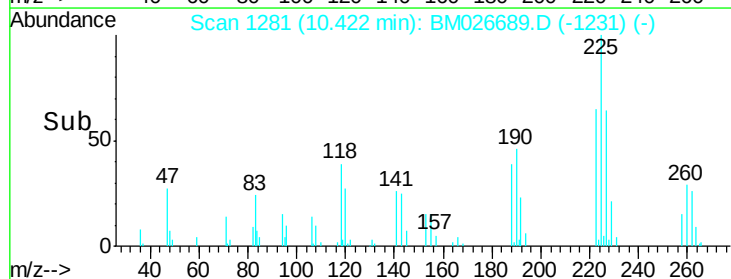
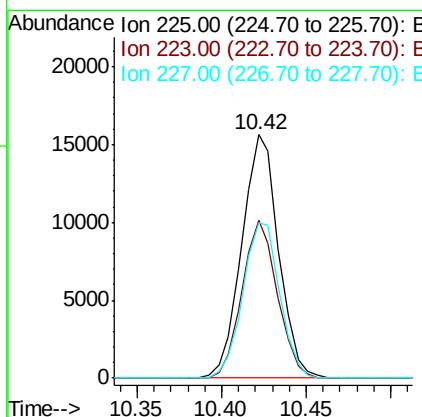
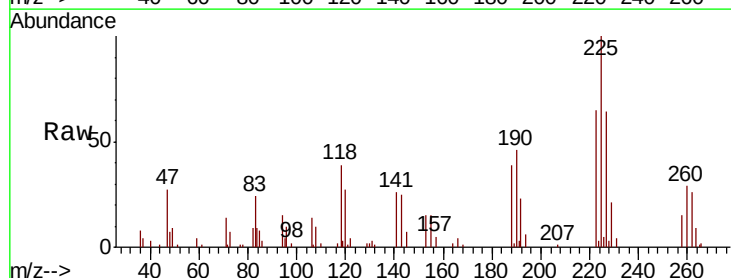
Manual Integrations
APPROVED

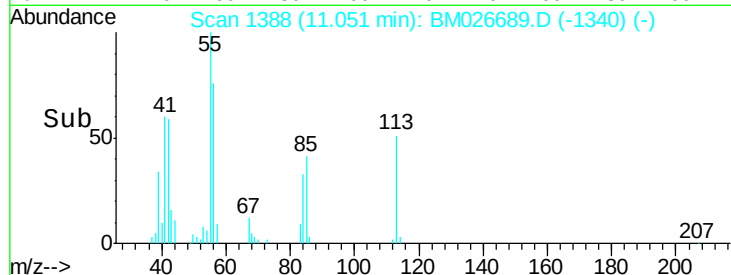
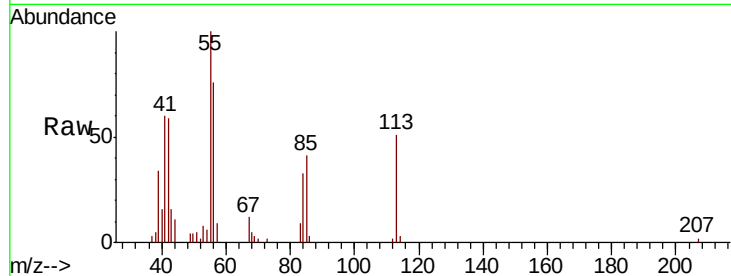
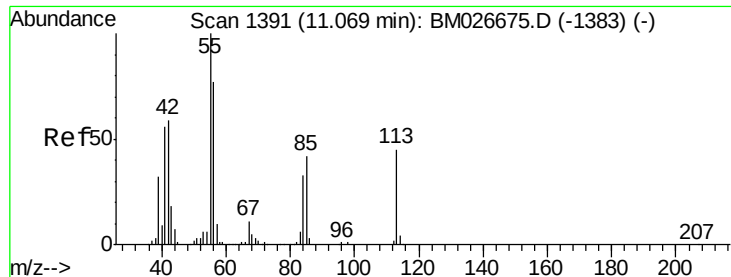
mohammad
7/9/2020 10:56:43 AM



#34
Hexachlorobutadiene
Concen: 7.338 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		23662		
223	64.8	49.8	74.8		
227	63.7	52.3	78.5		





#35

Caprolactam

Concen: 6.603 ng

RT: 11.05 min Scan# 1388

Delta R.T. -0.02 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

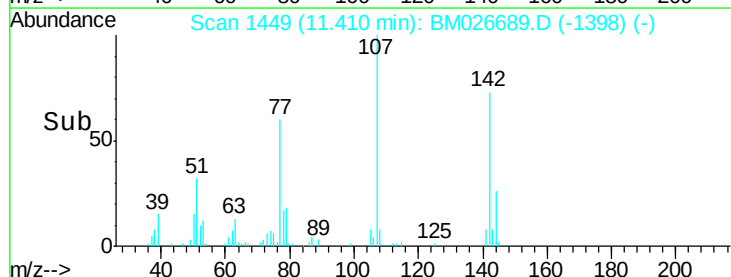
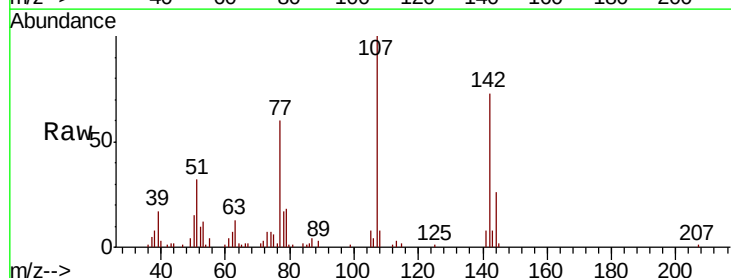
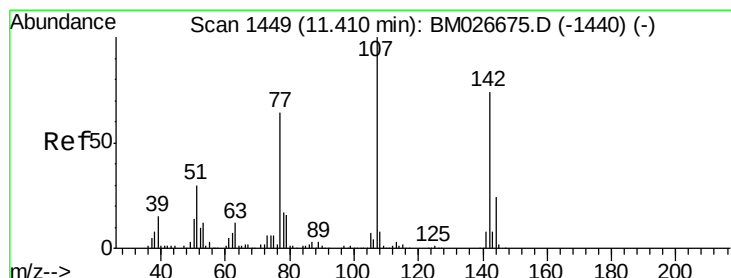
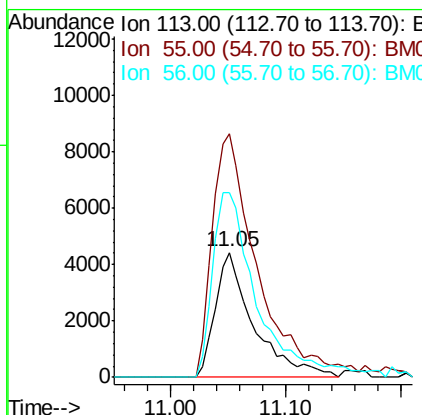
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	113	Resp:	10208
Ion Ratio	Lower	Upper	
113	100		
55	194.7	203.5	243.5#
56	148.2	151.6	191.6#

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#36

4-Chloro-3-methylphenol

Concen: 6.938 ng

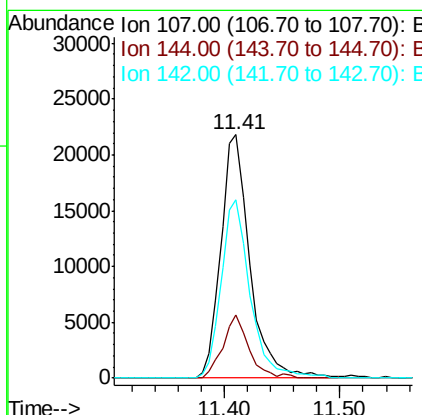
RT: 11.41 min Scan# 1449

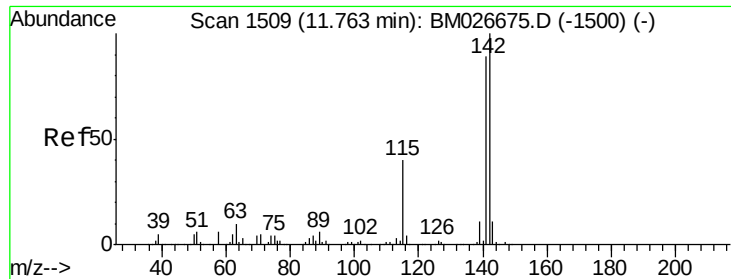
Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	107	Resp:	38269
Ion Ratio	Lower	Upper	
107	100		
144	26.0	18.9	28.3
142	73.4	59.0	88.4





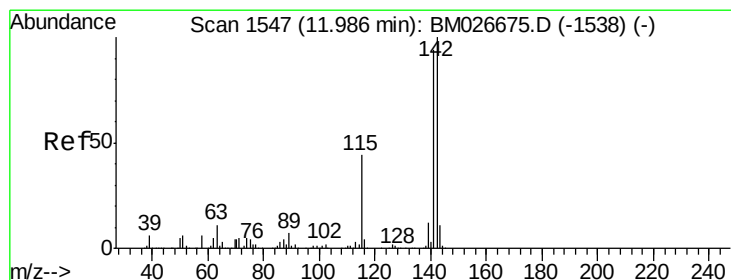
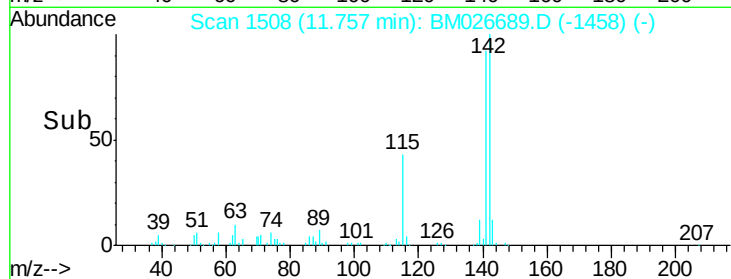
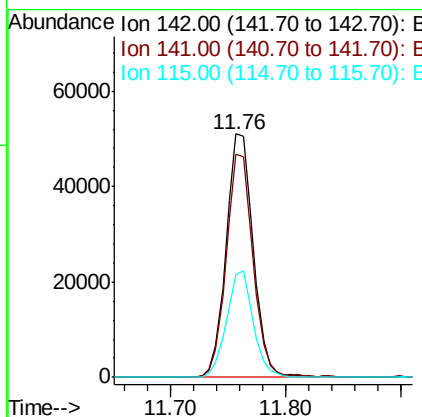
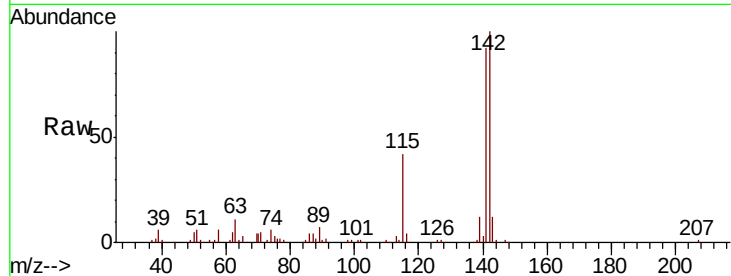
#37
2-Methylnaphthalene
Concen: 7.528 ng
RT: 11.76 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.4	107.0
115	42.2	32.1	48.1

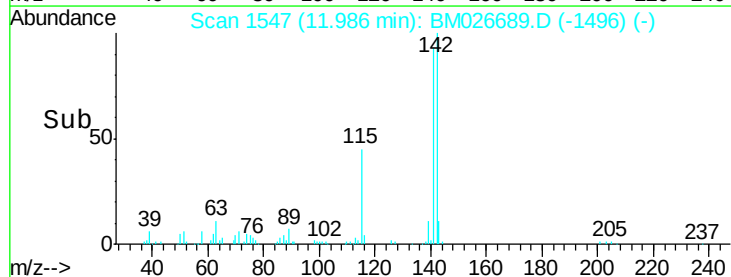
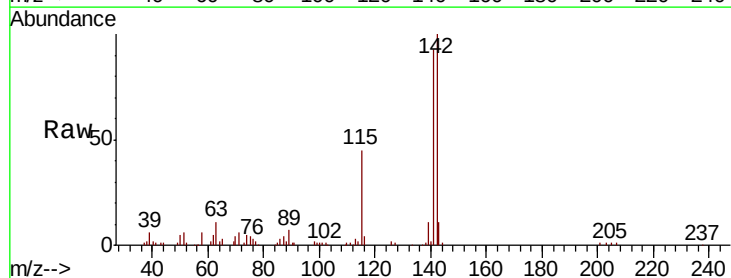
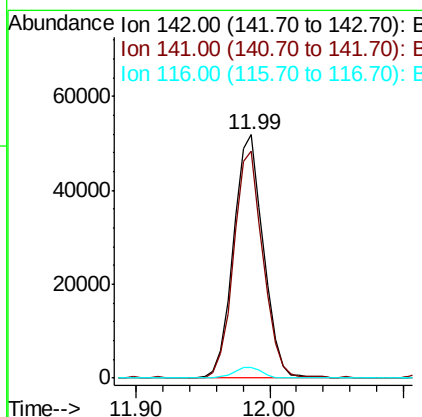
Manual Integrations
APPROVED

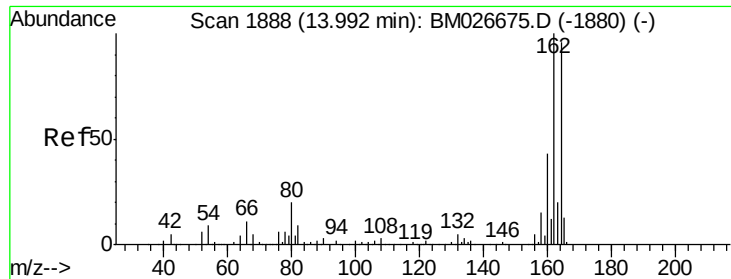
mohammad
7/9/2020 10:56:43 AM



#38
1-Methylnaphthalene
Concen: 7.617 ng
RT: 11.99 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	75.0	112.6
116	4.4	3.5	5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

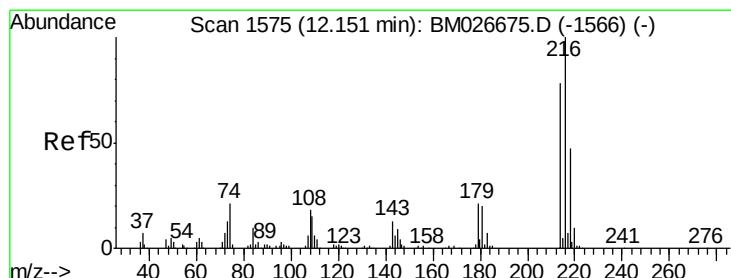
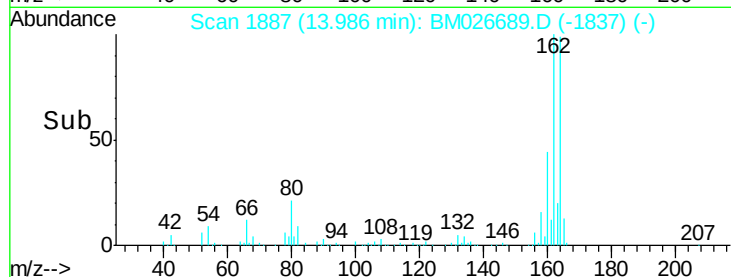
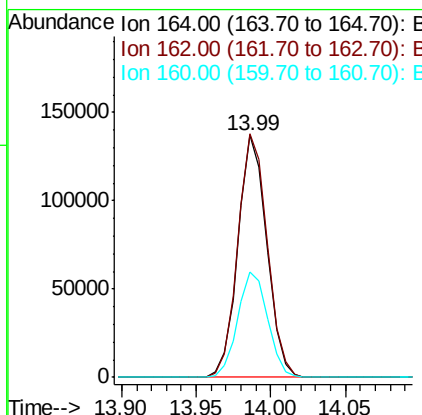
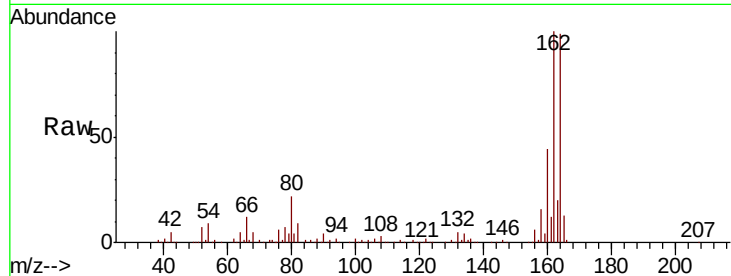
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	164	Resp:	184205
Ion	Ratio	Lower	Upper
164	100		
162	100.5	83.7	125.5
160	43.7	36.2	54.2

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.970 ng

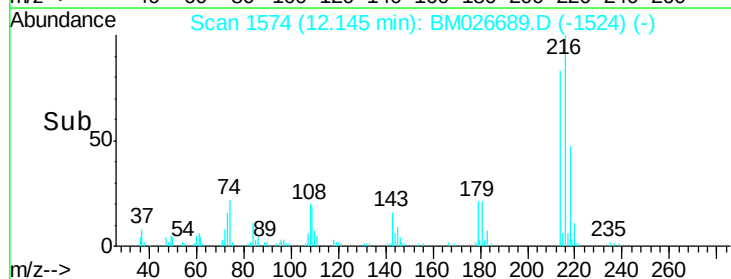
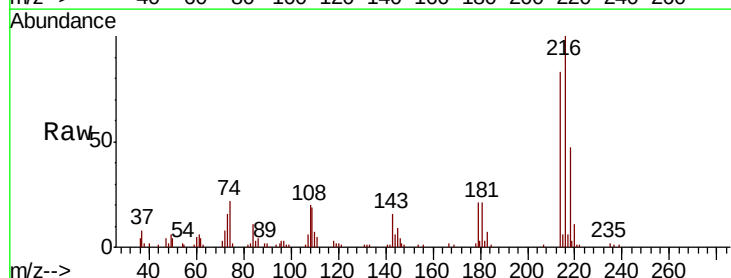
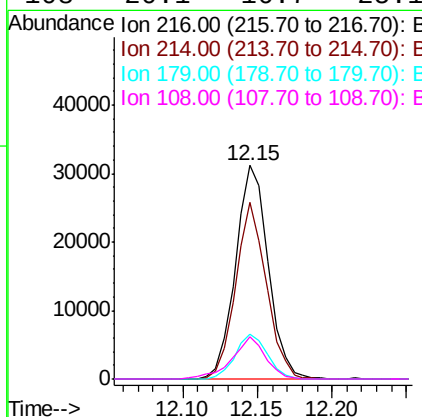
RT: 12.15 min Scan# 1574

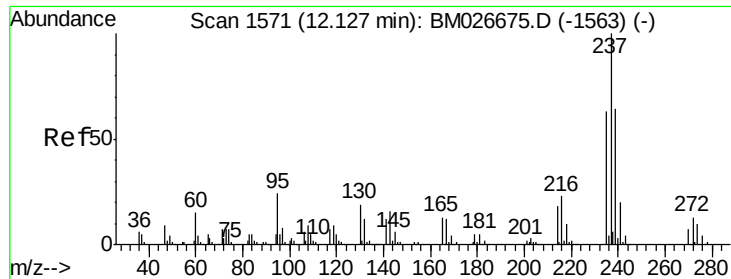
Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	216	Resp:	47460
Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.6	93.8
179	20.4	17.5	26.3
108	20.1	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 5.413 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

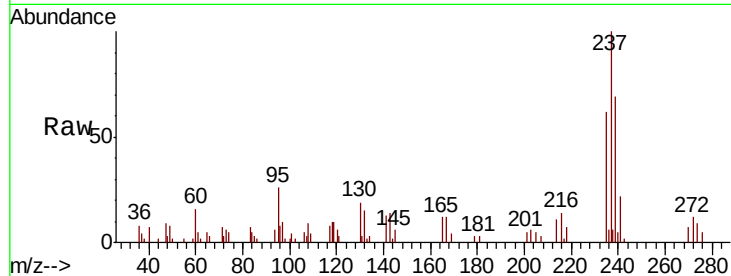
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

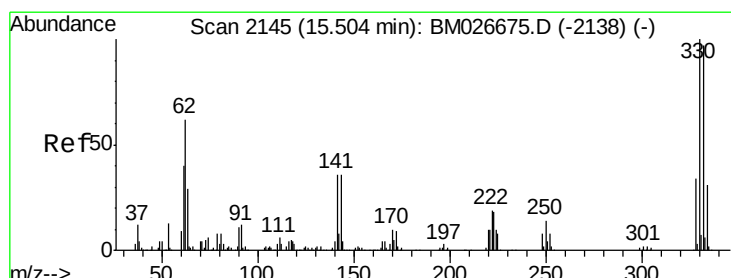
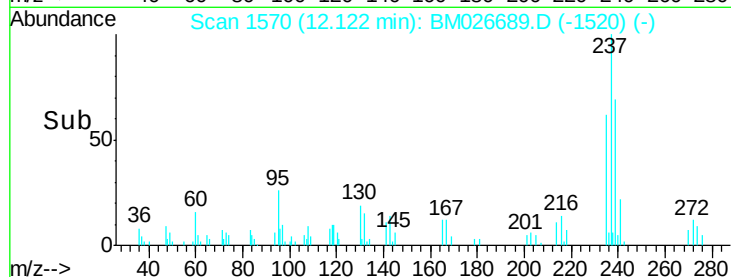
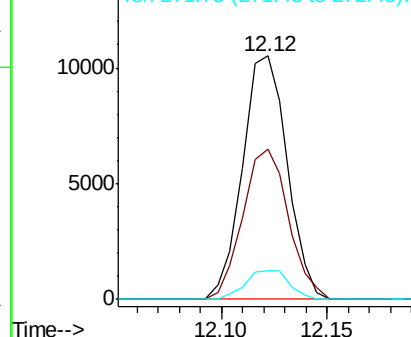
Tot Ion:	237	Resp:	15379
Ion Ratio	Lower	Upper	
237	100		
235	61.8	42.8	82.8
272	11.5	0.0	32.8

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



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: 191.106 ng

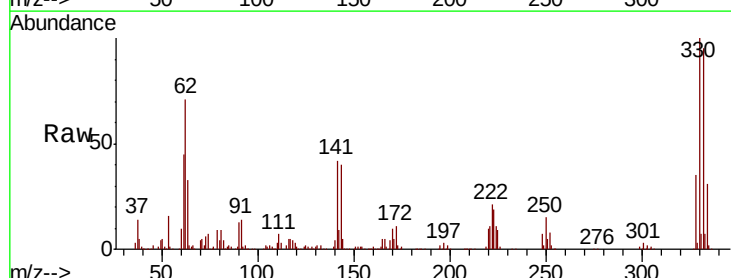
RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

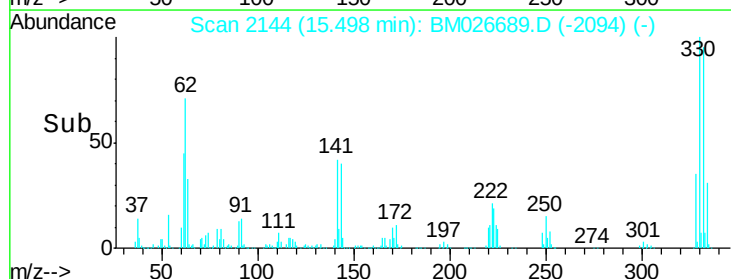
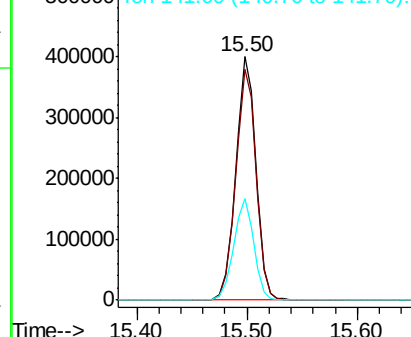
Lab File: BM026689.D

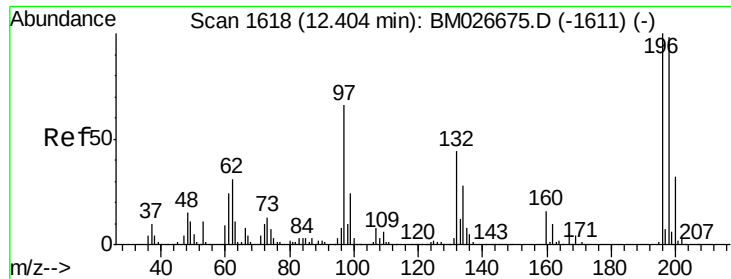
Acq: 07 Jul 2020 22:44

Tgt Ion:	330	Resp:	512794
Ion Ratio	Lower	Upper	
330	100		
332	96.1	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





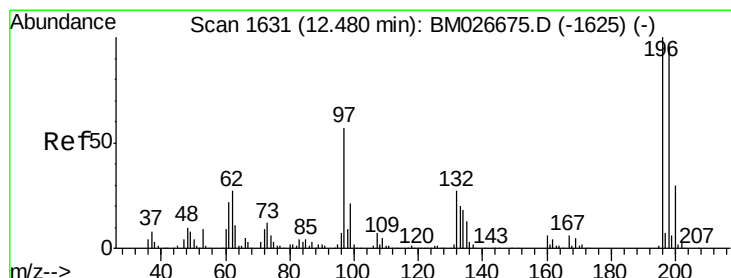
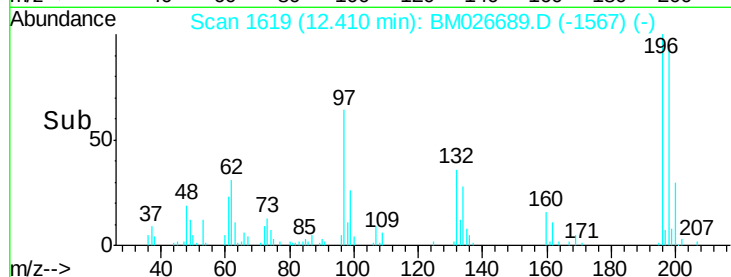
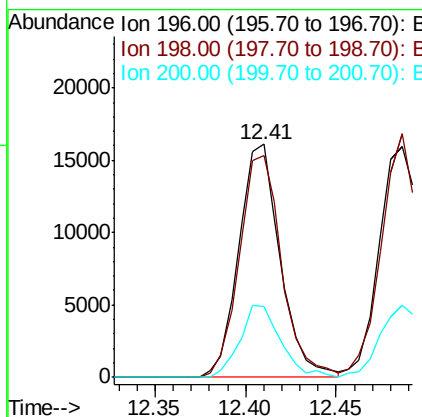
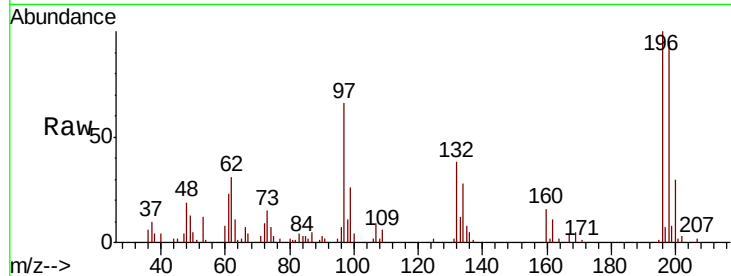
#43
 2,4,6-Trichlorophenol
 Concen: 6.547 ng
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	25539		
198	95.1	78.6	118.0	
200	30.3	25.3	37.9	

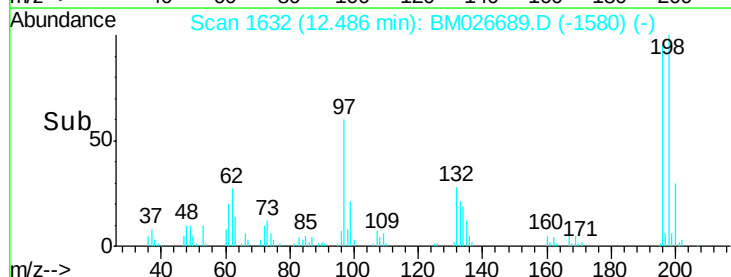
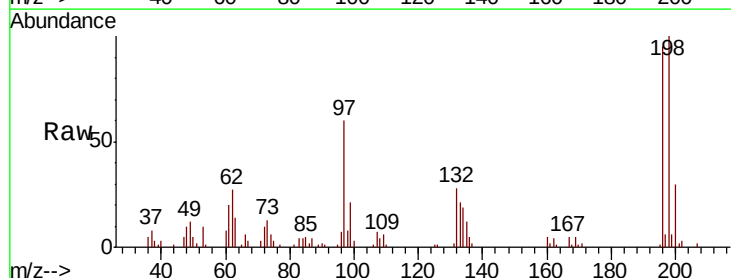
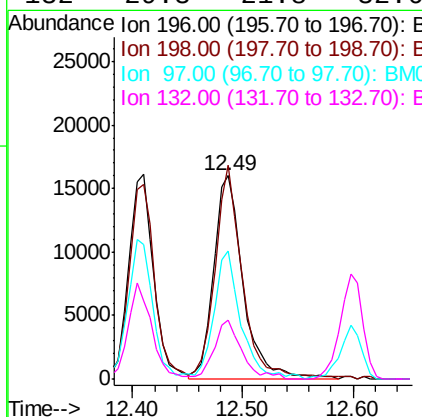
Manual Integrations
 APPROVED

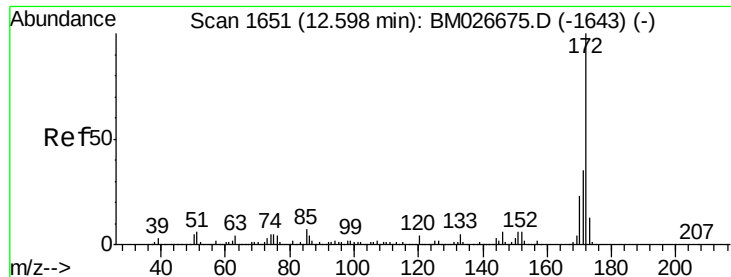
mohammad
 7/9/2020 10:56:43 AM



#44
 2,4,5-Trichlorophenol
 Concen: 6.466 ng
 RT: 12.49 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	29640		
198	105.2	77.0	115.6	
97	63.2	45.7	68.5	
132	29.3	21.8	32.6	





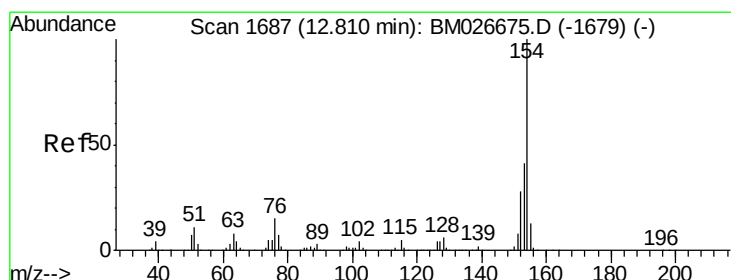
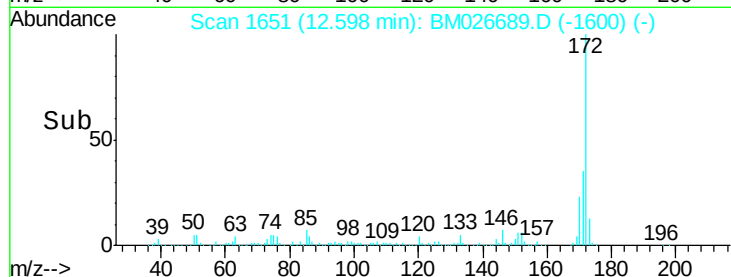
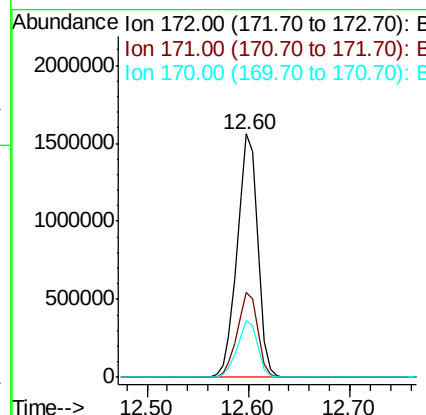
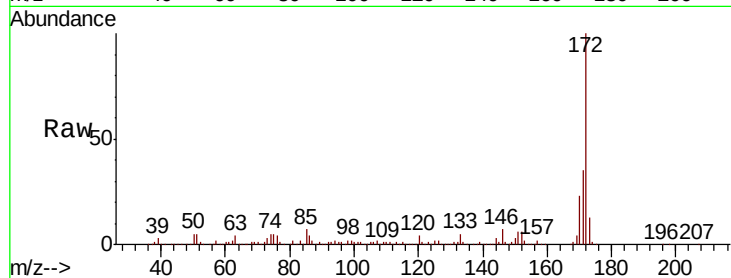
#45
2-Fluorobiphenyl
Concen: 158.011 ng
RT: 12.60 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.5	27.7

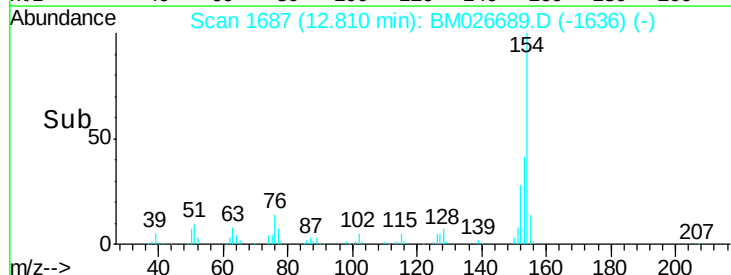
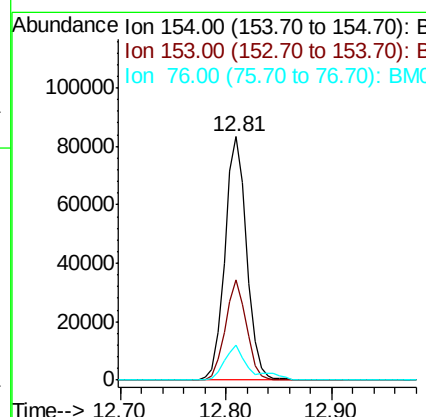
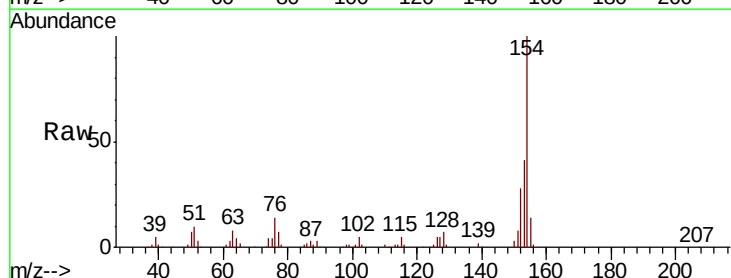
Manual Integrations
APPROVED

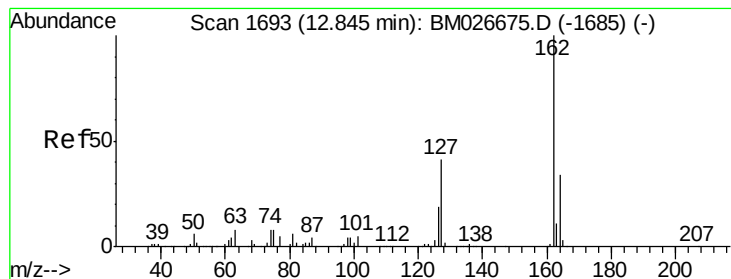
mohammad
7/9/2020 10:56:43 AM



#46
1,1'-Biphenyl
Concen: 8.214 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.9	60.9
76	14.4	0.0	35.2





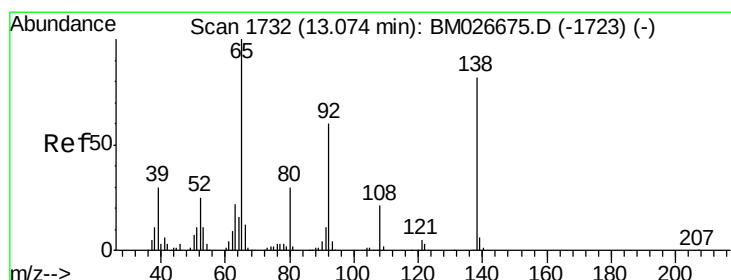
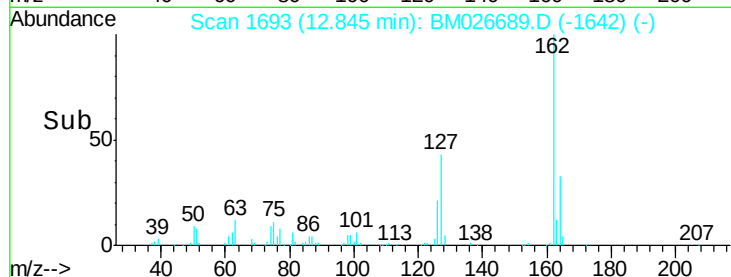
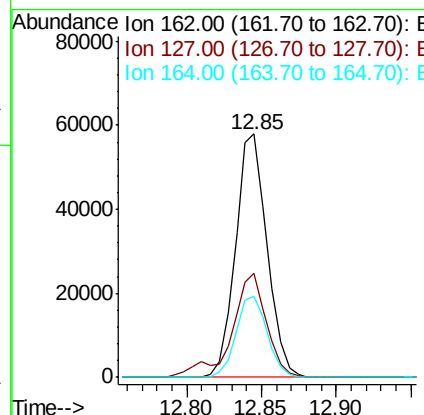
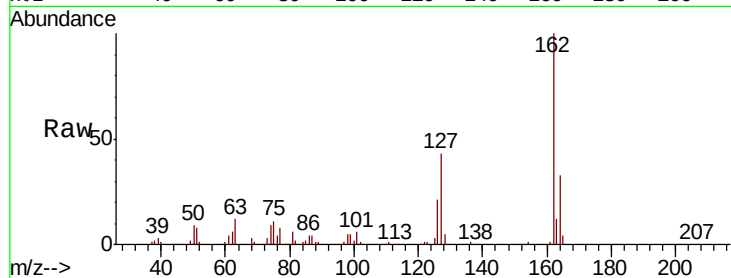
#47
2-Chloronaphthalene
Concen: 7.251 ng
RT: 12.85 min Scan# 1693
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.0	51.0
164	33.3	26.9	40.3

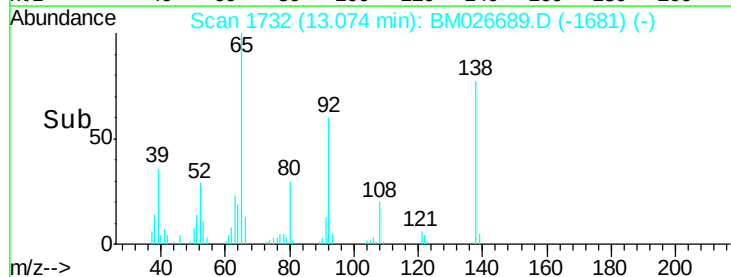
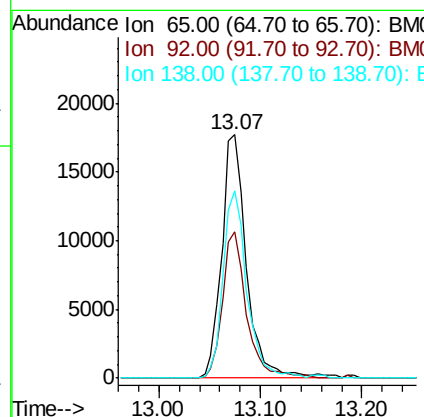
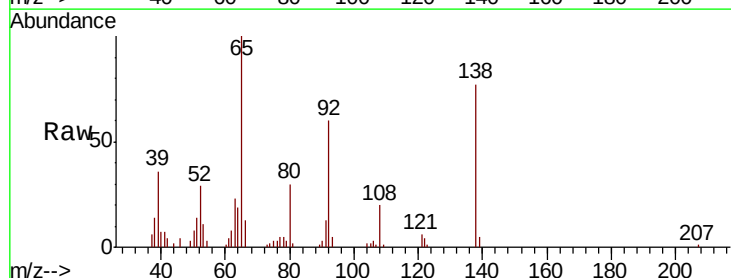
Manual Integrations
APPROVED

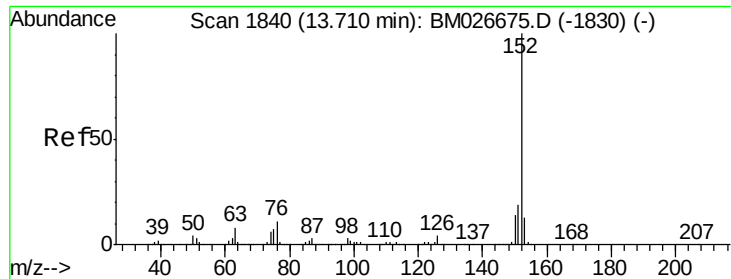
mohammad
7/9/2020 10:56:43 AM



#48
2-Nitroaniline
Concen: 6.253 ng
RT: 13.07 min Scan# 1732
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.8	47.8	71.8
138	76.9	65.6	98.4





#49

Acenaphthylene

Concen: 7.323 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

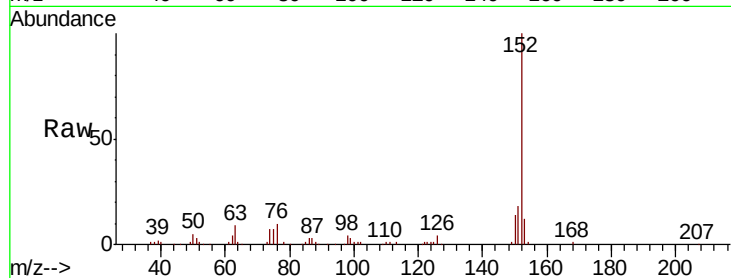
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

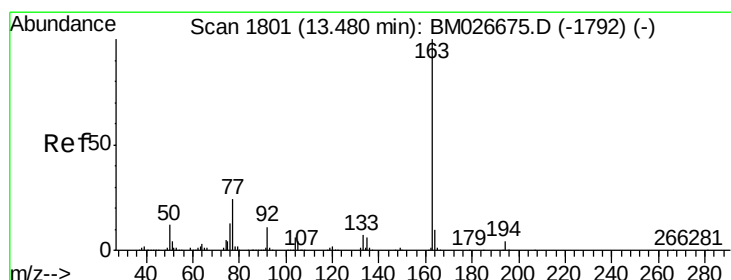
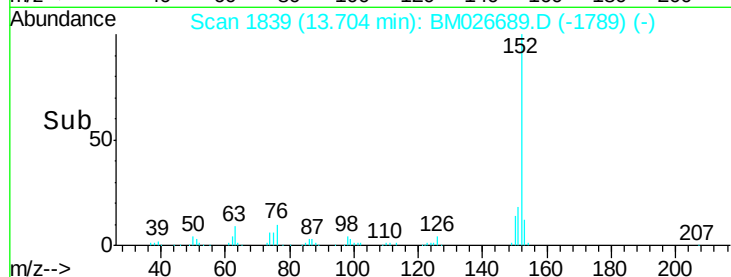
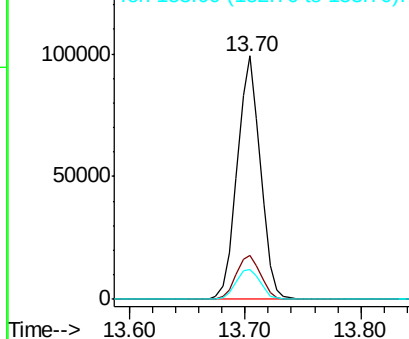
Tot Ion	Ratio	Resp	Lower	Upper
152	100	137611		
151	18.2	15.6	23.4	
153	12.3	10.4	15.6	

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.342 ng

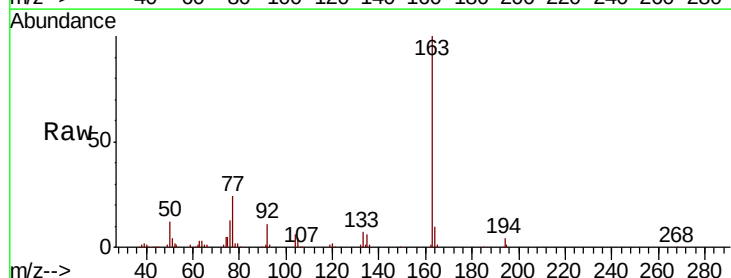
RT: 13.47 min Scan# 1799

Delta R.T. -0.01 min

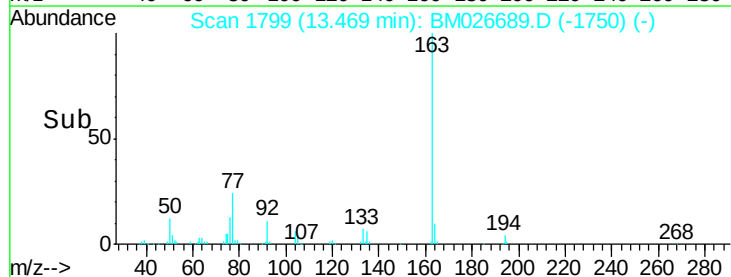
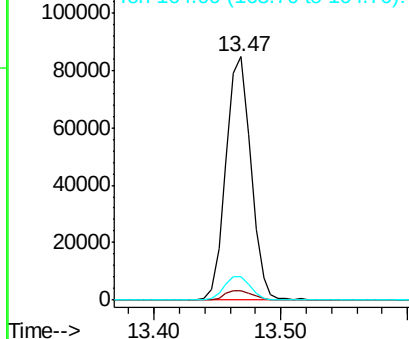
Lab File: BM026689.D

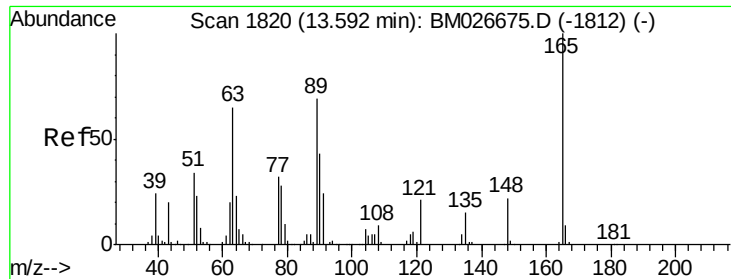
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	115685		
194	3.9	3.4	5.2	
164	9.7	7.8	11.6	



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





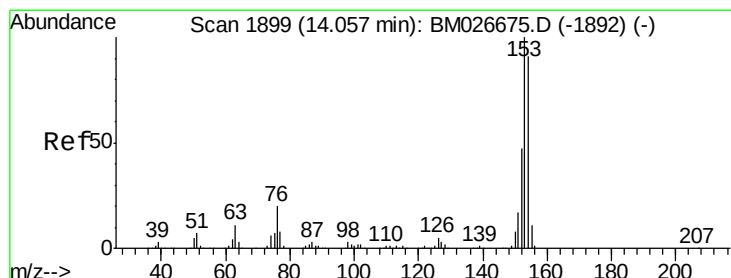
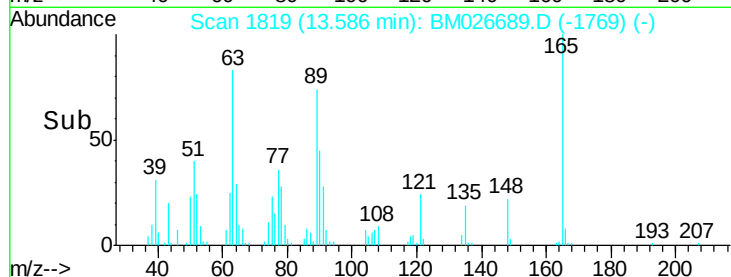
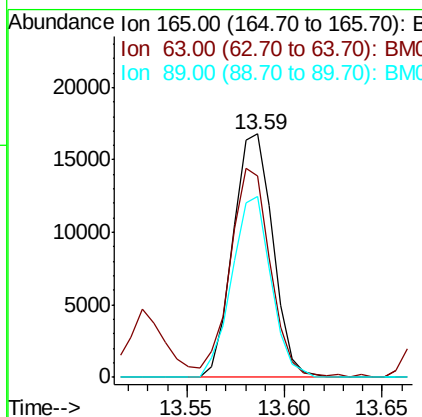
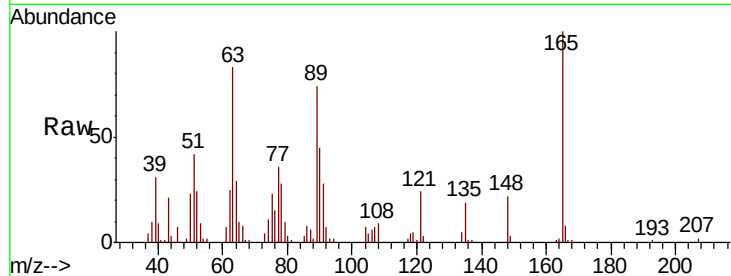
#51
2,6-Dinitrotoluene
Concen: 7.032 ng
RT: 13.59 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	82.7	61.1	91.7
89	74.1	54.9	82.3

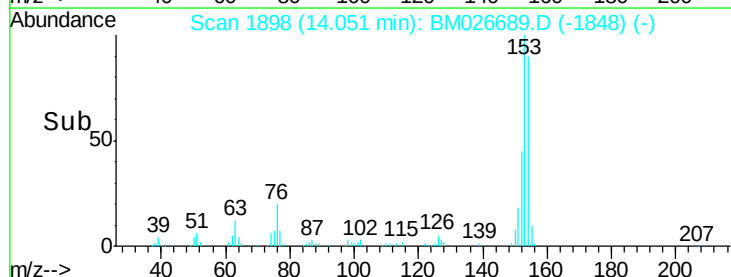
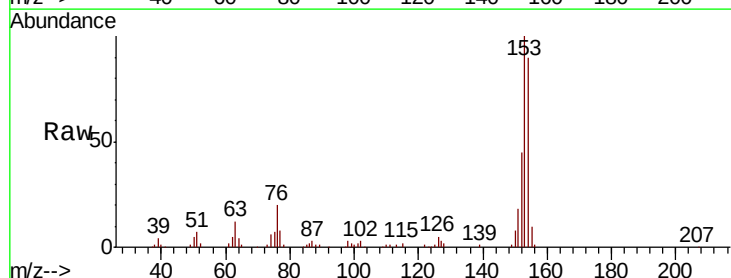
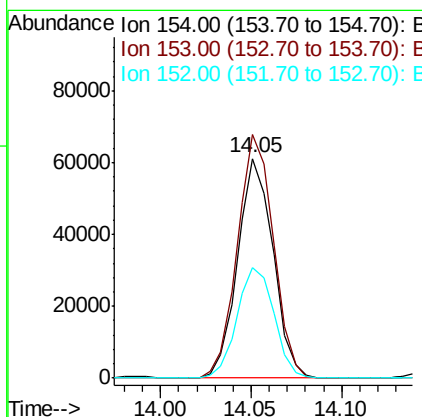
Manual Integrations
APPROVED

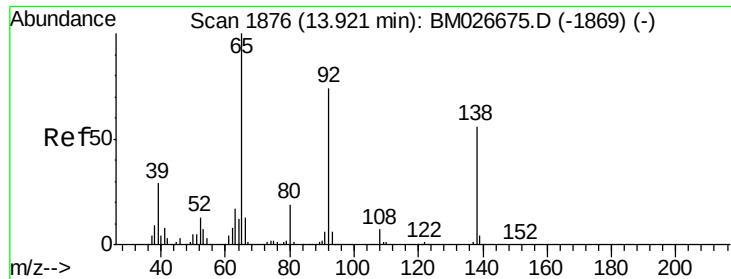
mohammad
7/9/2020 10:56:43 AM



#52
Acenaphthene
Concen: 7.295 ng
RT: 14.05 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.8	88.3	132.5
152	50.0	41.1	61.7





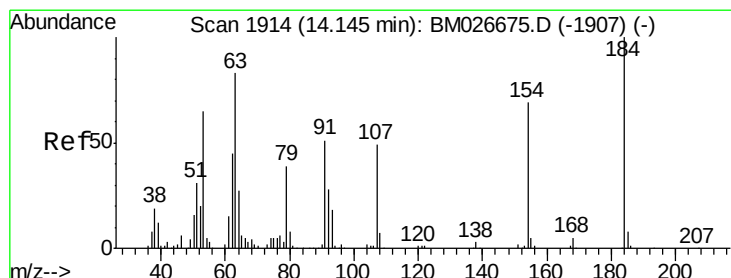
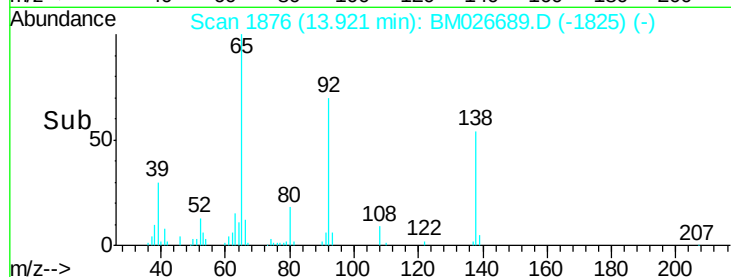
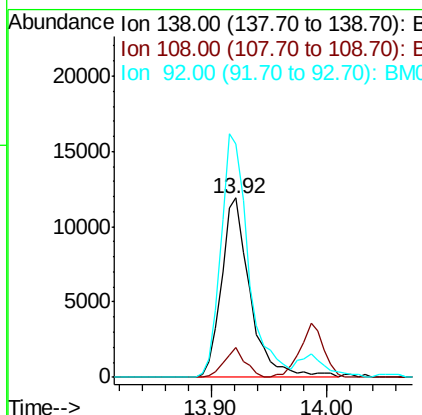
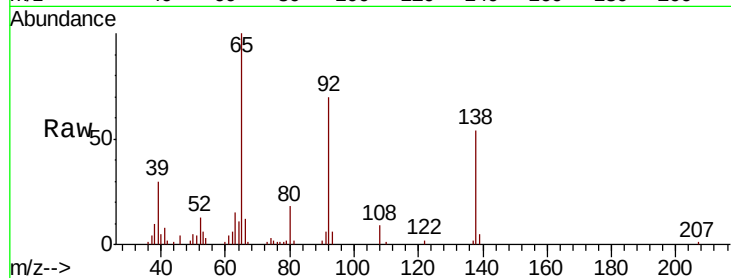
#53
 3-Nitroaniline
 Concen: 5.829 ng
 RT: 13.92 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

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

Tot Ion:138 Resp: 20460
 Ion Ratio Lower Upper
 138 100
 108 16.3 9.7 14.5#
 92 130.2 105.6 158.4

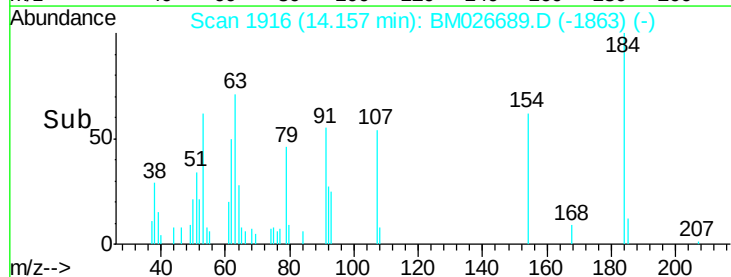
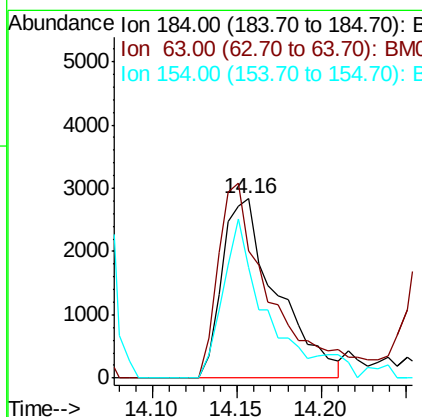
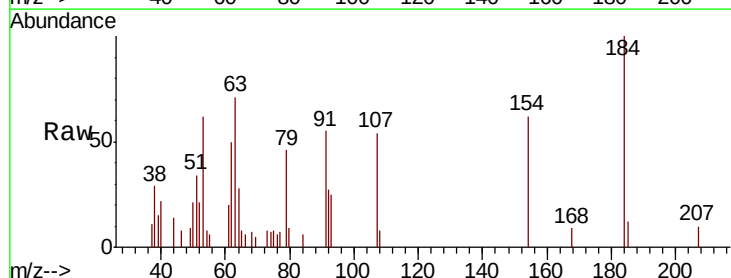
Manual Integrations
 APPROVED

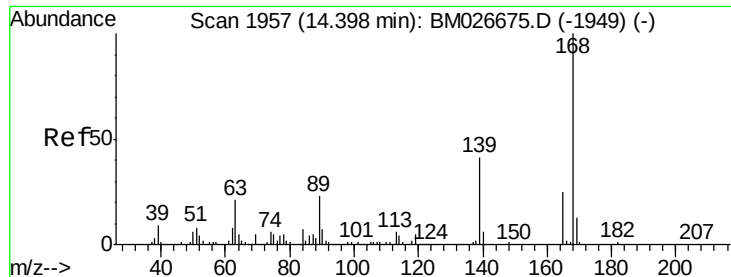
mohammad
 7/9/2020 10:56:43 AM



#54
 2,4-Dinitrophenol
 Concen: 3.218 ng
 RT: 14.16 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion:184 Resp: 6355
 Ion Ratio Lower Upper
 184 100
 63 70.9 66.2 99.4
 154 61.8 55.2 82.8





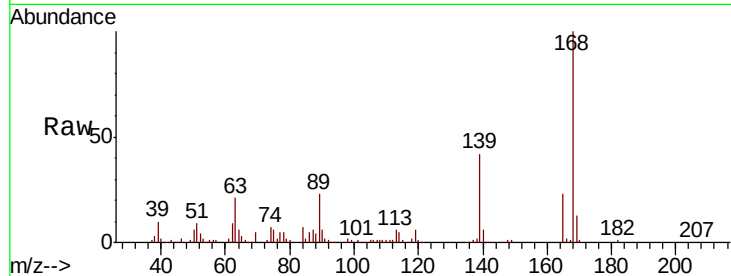
#55
Dibenzenofuran
Concen: 7.346 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Resp	Lower	Upper
168	100	137551		
139	41.9	32.6	48.8	
169	12.7	10.5	15.7	

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM

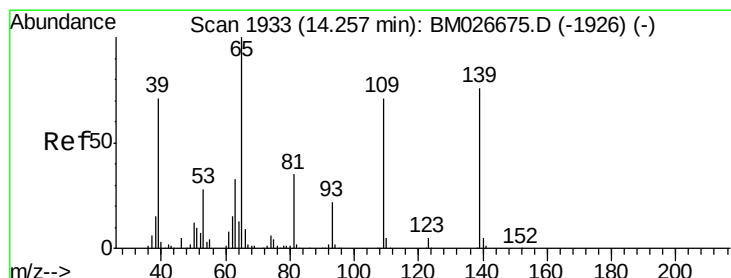
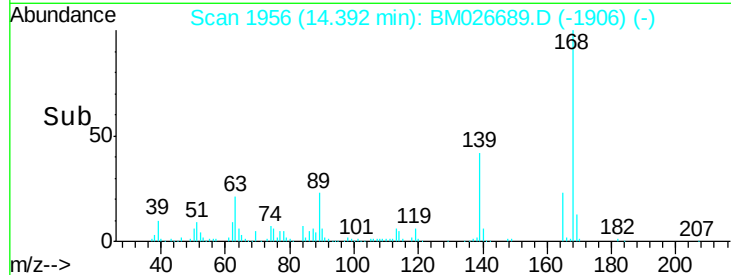
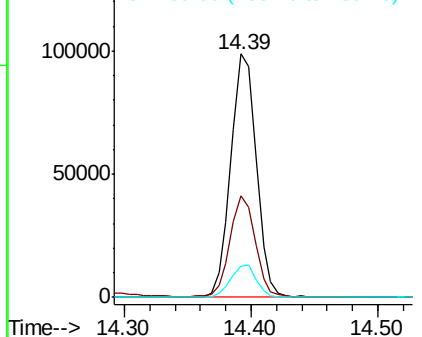


Abundance

Ion 168.00 (167.70 to 168.70): E

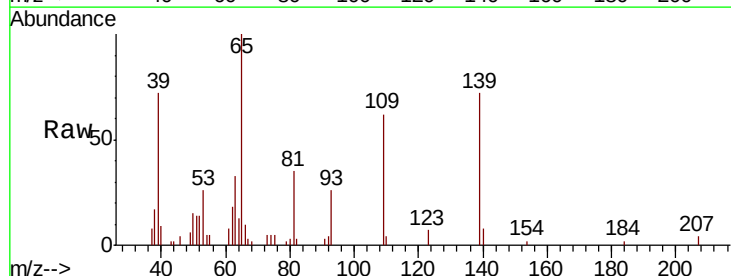
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 4.472 ng
RT: 14.26 min Scan# 1934
Delta R.T. 0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	12318		
109	85.5	73.7	113.7	
65	138.4	111.5	151.5	

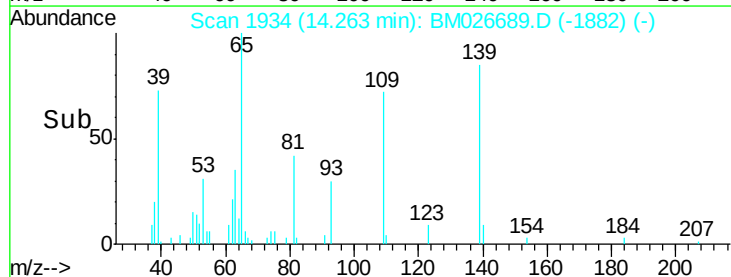
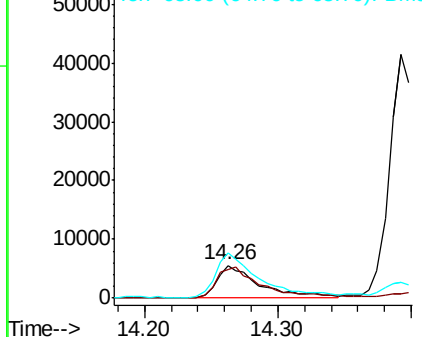


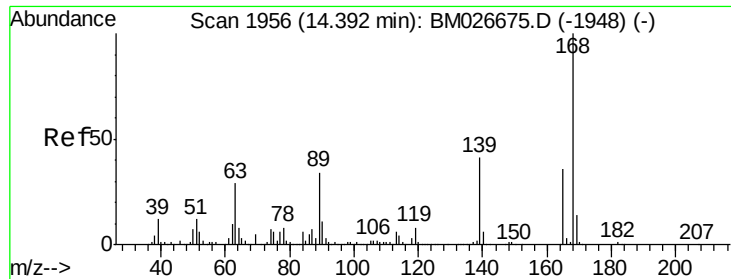
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM0





#57

2,4-Dinitrotoluene

Concen: 6.370 ng

RT: 14.39 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

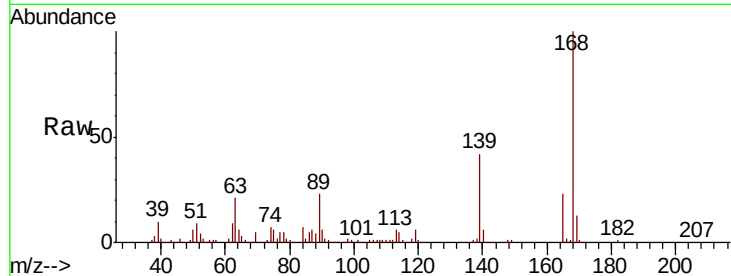
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	165	Resp	31019
Ion	Ratio	Lower	Upper
165	100		
63	92.7	64.6	97.0
89	100.0	75.4	113.2
182	2.9	2.2	3.4

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM

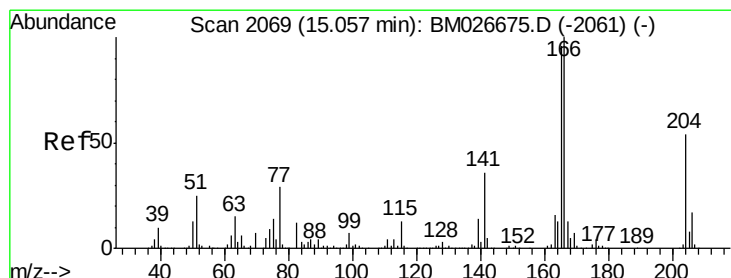
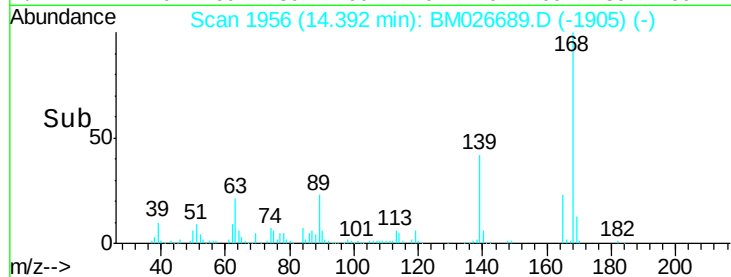
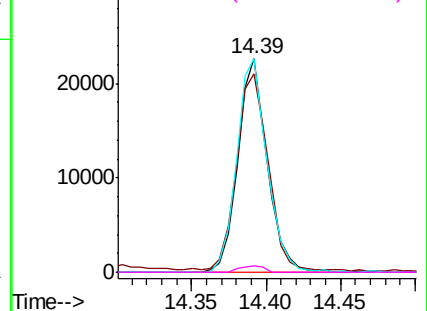


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 7.052 ng

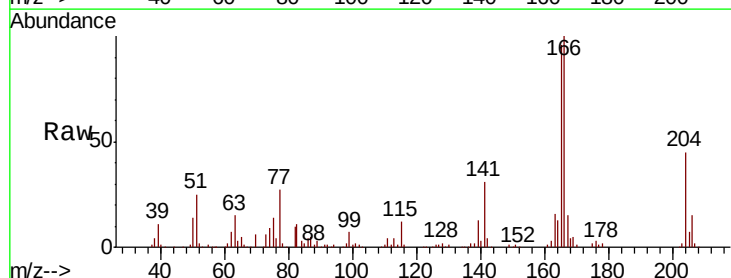
RT: 15.05 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

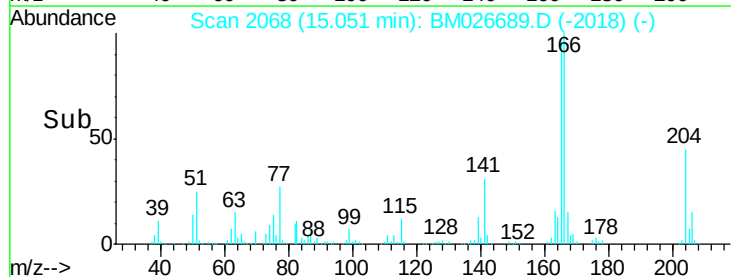
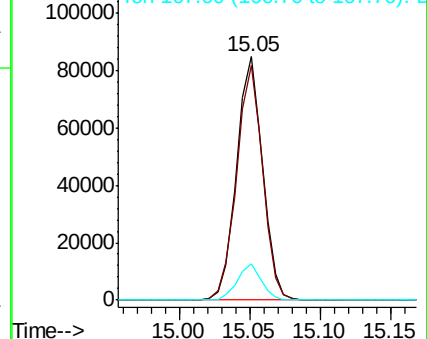
Tgt Ion	166	Resp	109331
Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.1	115.7
167	14.7	10.8	16.2

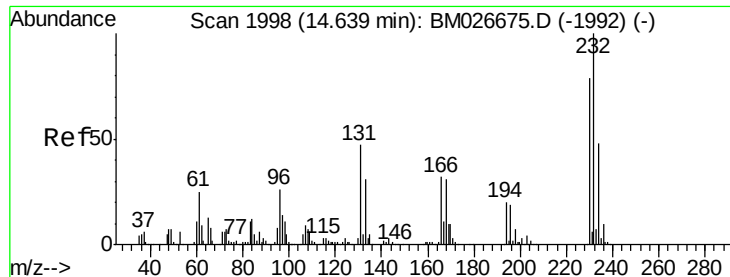


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





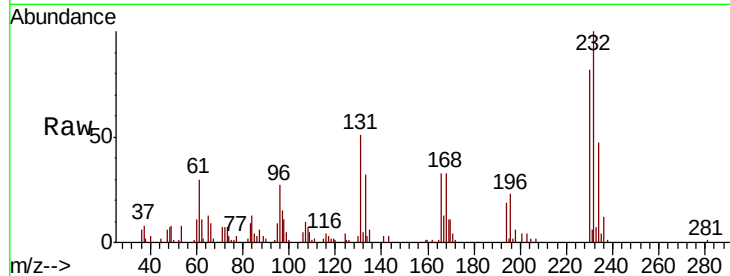
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.229 ng
RT: 14.64 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.7	38.4	57.6
130	2.4	2.2	3.2
166	31.1	25.4	38.0

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



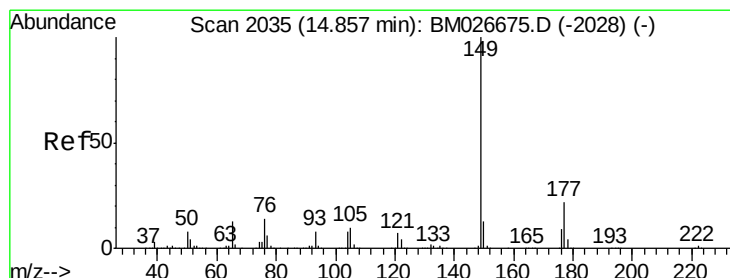
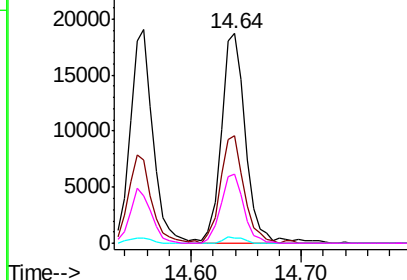
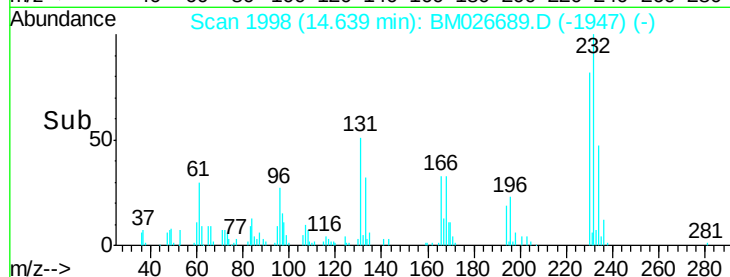
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

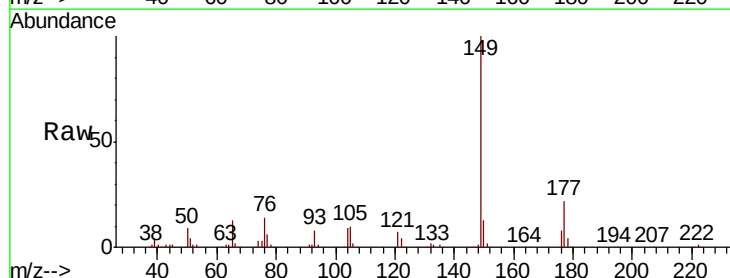
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 7.151 ng
RT: 14.85 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.8	26.6
150	12.8	10.2	15.4

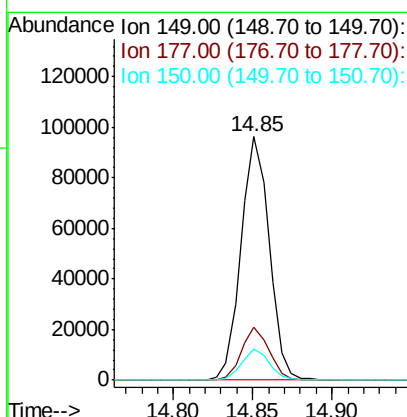
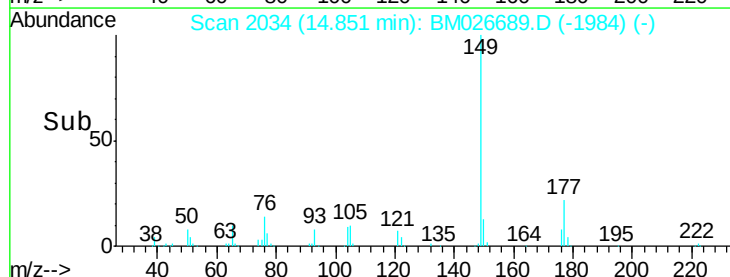


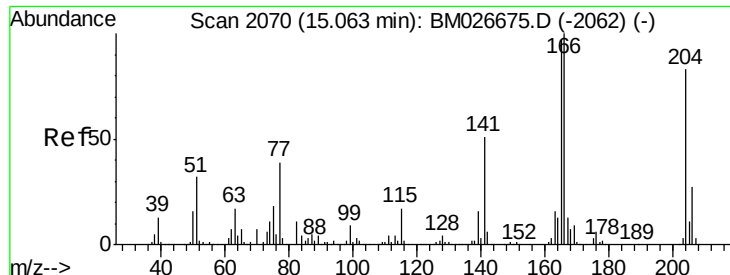
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





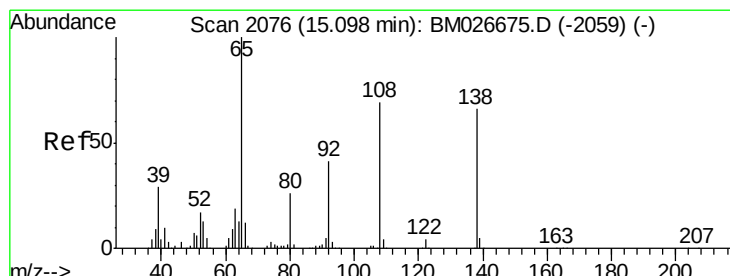
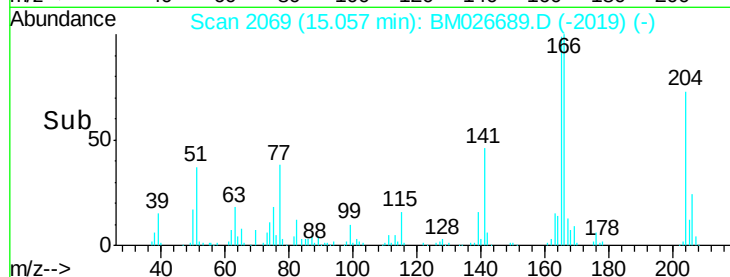
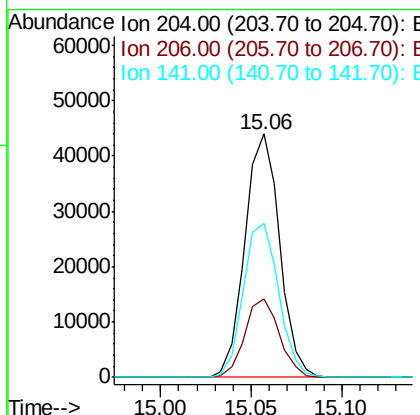
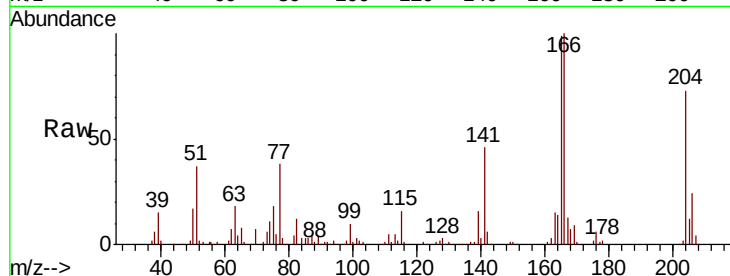
#61
4-Chlorophenyl-phenylether
Concen: 6.989 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.9	38.9
141	63.4	49.5	74.3

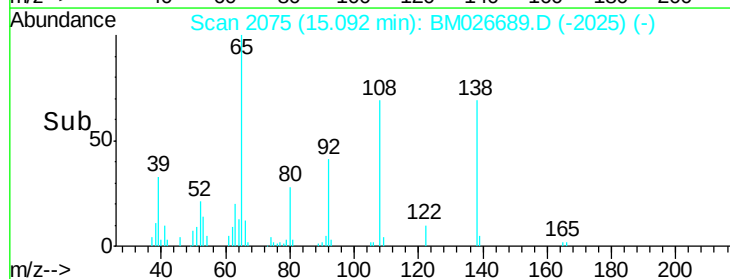
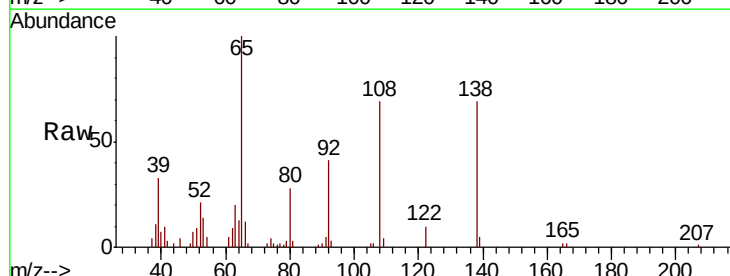
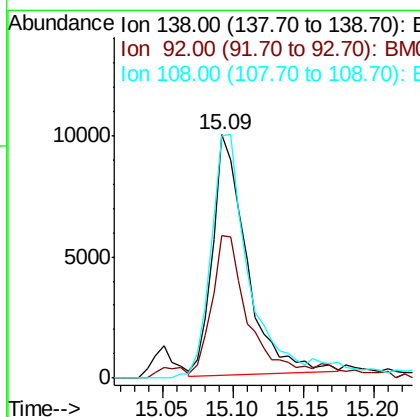
Manual Integrations
APPROVED

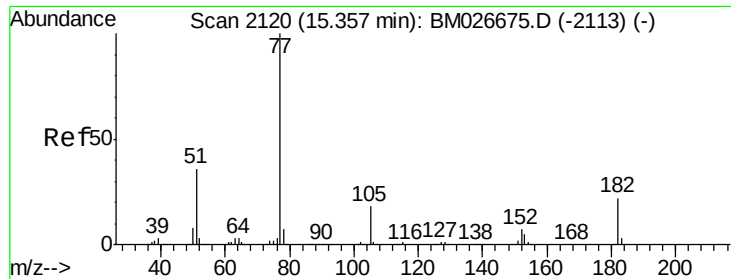
mohammad
7/9/2020 10:56:43 AM



#62
4-Nitroaniline
Concen: 4.534 ng
RT: 15.09 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
138	100		
92	58.3	41.5	81.5
108	99.8	84.8	124.8





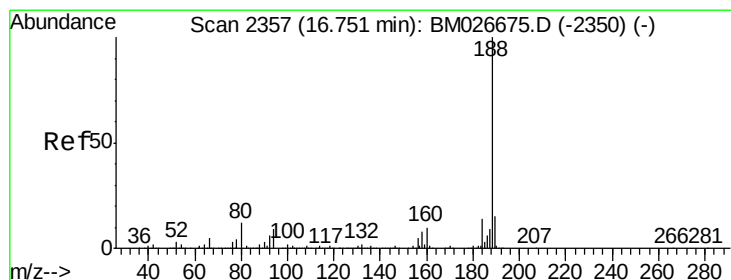
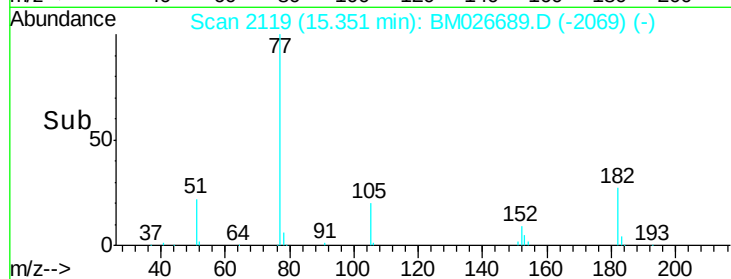
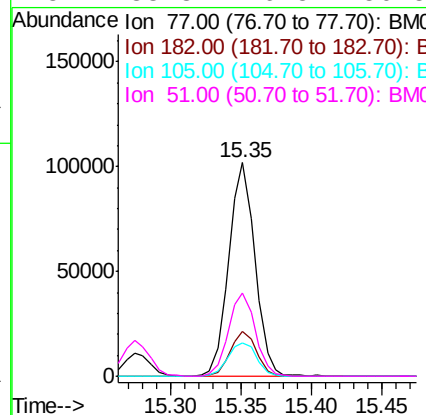
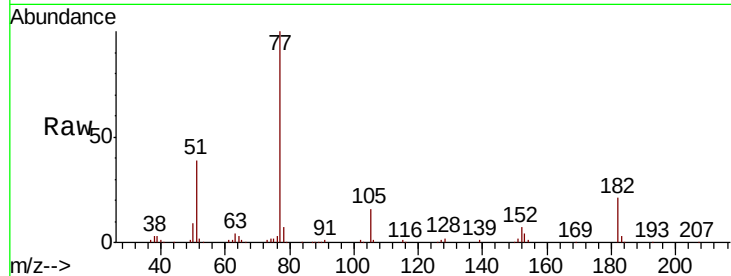
#63
Azobenzene
Concen: 7.142 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	20.9	1.6	41.6		
105	15.8	0.0	37.8		
51	38.8	16.5	56.5		

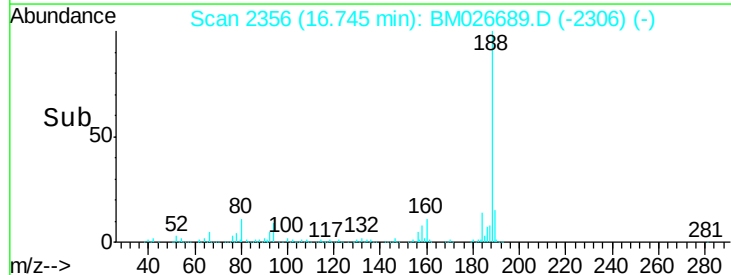
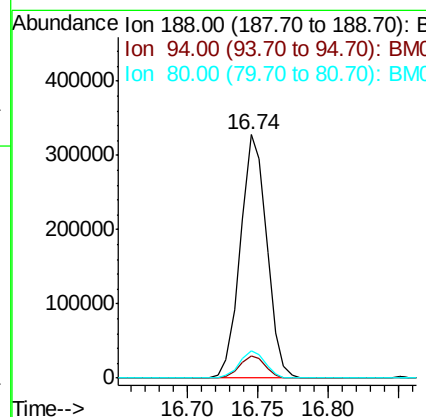
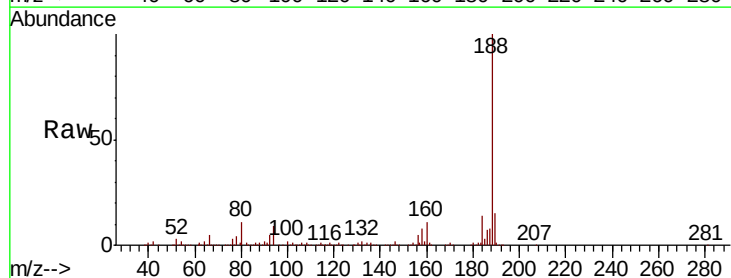
Manual Integrations
APPROVED

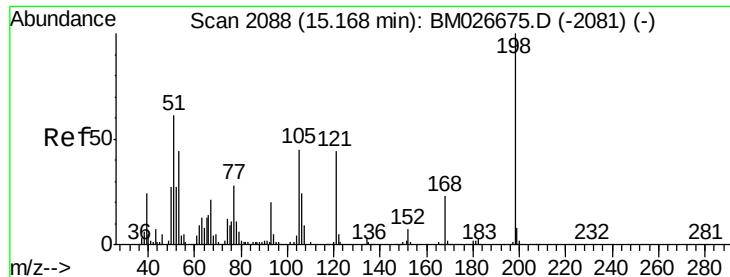
mohammad
7/9/2020 10:56:43 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.1	7.4	11.0		
80	11.0	9.3	13.9		





#65

4,6-Dinitro-2-methylphenol

Concen: 5.012 ng

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:198 Resp: 14599

Ion Ratio Lower Upper

198 100

51 73.1 42.0 82.0

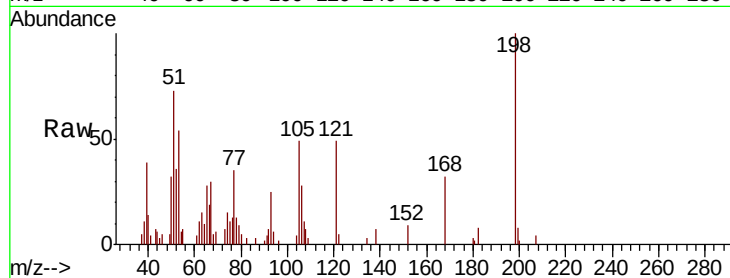
105 48.6 24.9 64.9

Manual Integrations

APPROVED

mohammad

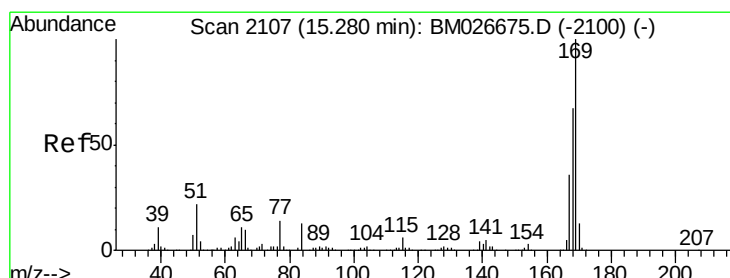
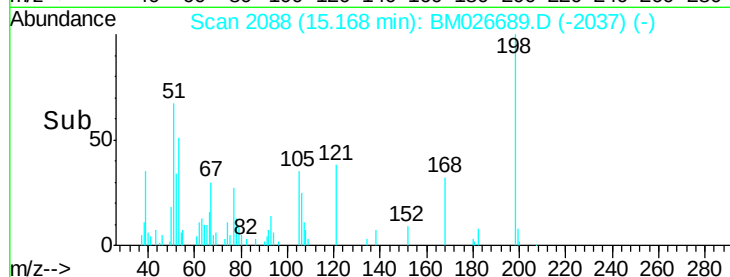
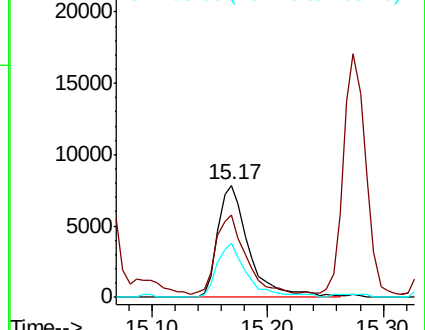
7/9/2020 10:56:43 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 7.107 ng

RT: 15.27 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:169 Resp: 96771

Ion Ratio Lower Upper

169 100

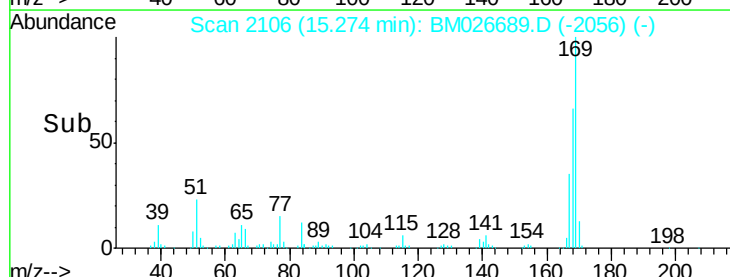
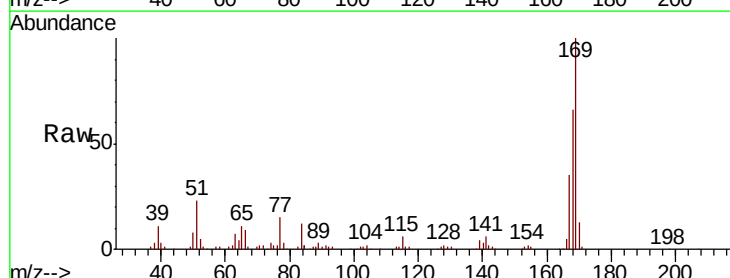
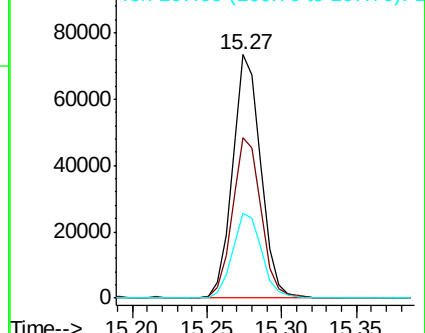
168 65.8 53.8 80.8

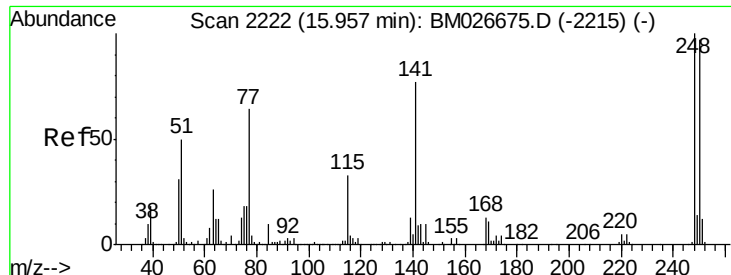
167 34.7 28.6 43.0

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 6.749 ng

RT: 15.95 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

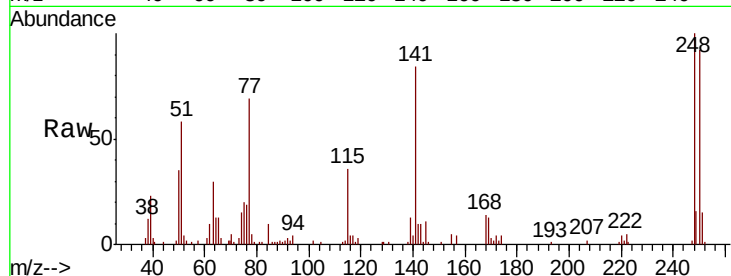
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

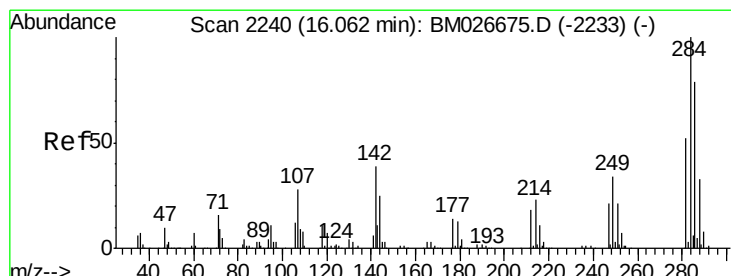
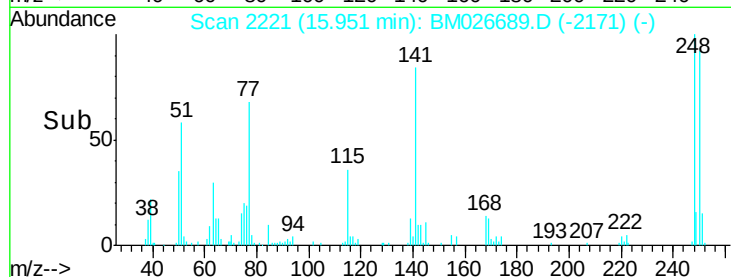
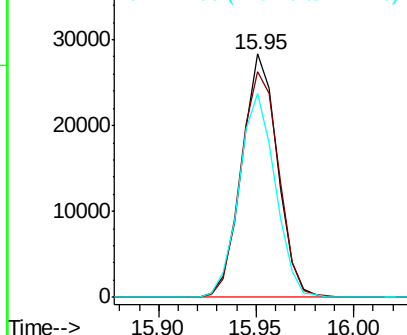
Tot Ion:	248	Resp:	35991
Ion Ratio	Lower	Upper	
248	100		
250	92.5	77.4	116.2
141	83.6	61.9	92.9

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



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: 7.304 ng

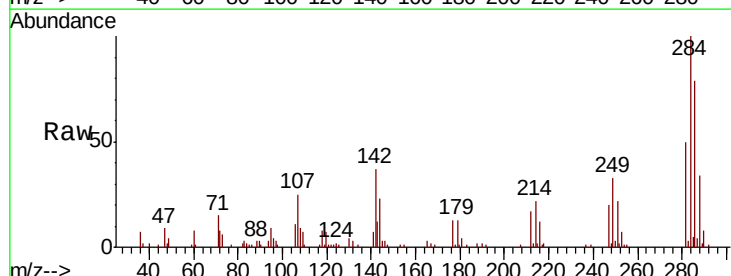
RT: 16.06 min Scan# 2240

Delta R.T. 0.00 min

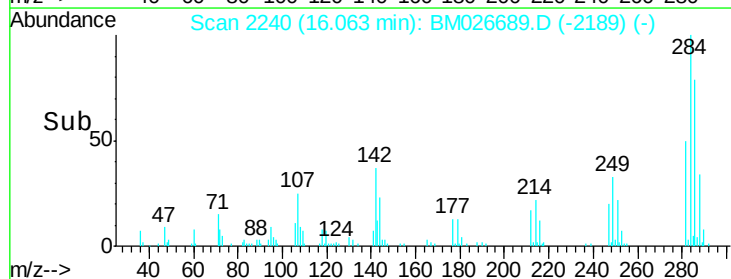
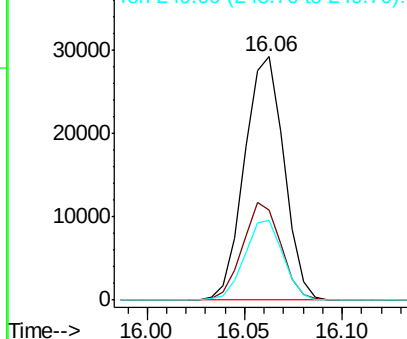
Lab File: BM026689.D

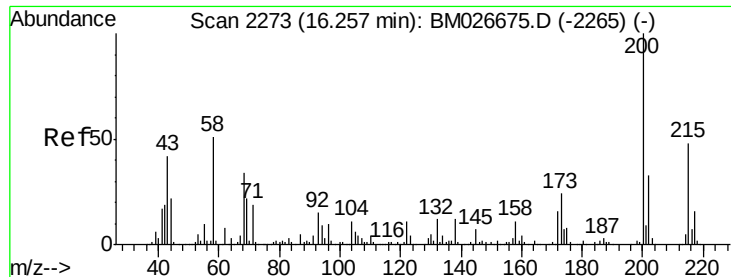
Acq: 07 Jul 2020 22:44

Tgt Ion:	284	Resp:	40996
Ion Ratio	Lower	Upper	
284	100		
142	36.8	31.1	46.7
249	33.0	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





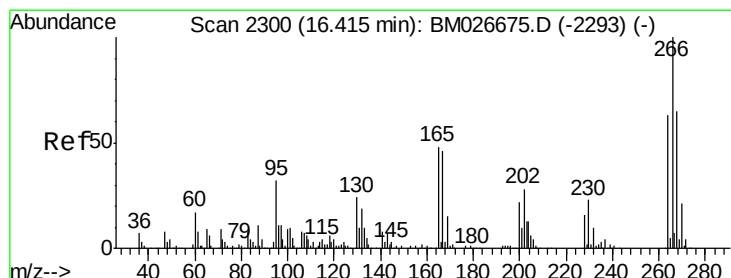
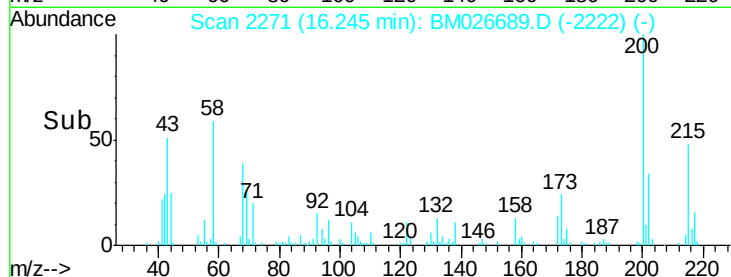
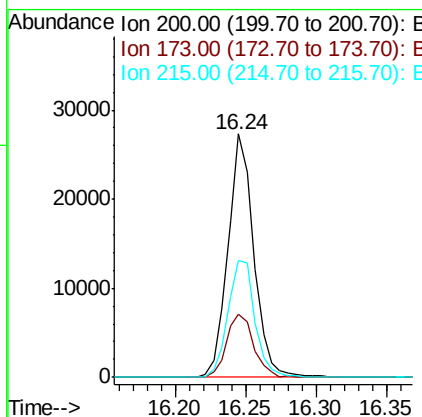
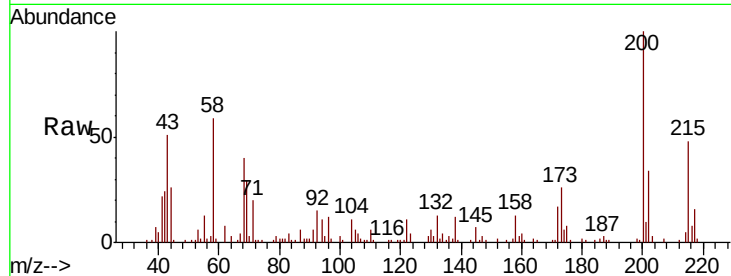
#69
Atrazine
Concen: 8.478 ng
RT: 16.24 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.7	4.5	44.5
215	48.3	28.4	68.4

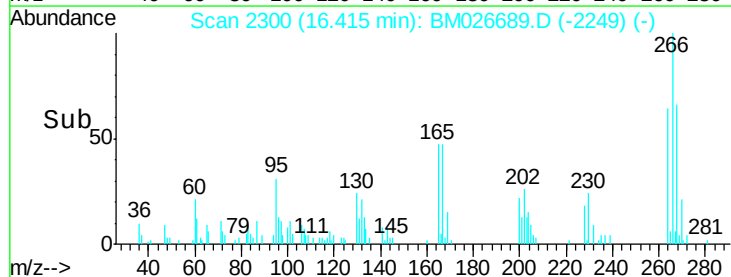
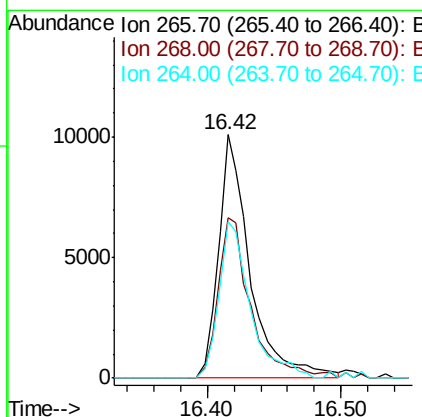
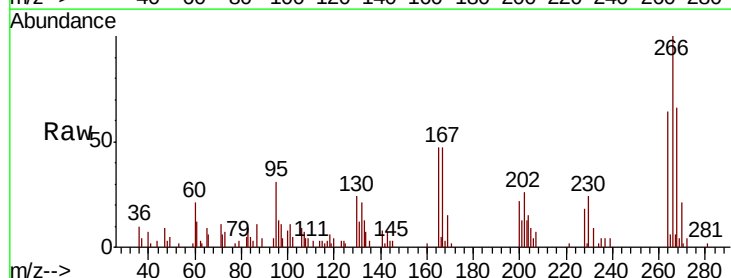
Manual Integrations
APPROVED

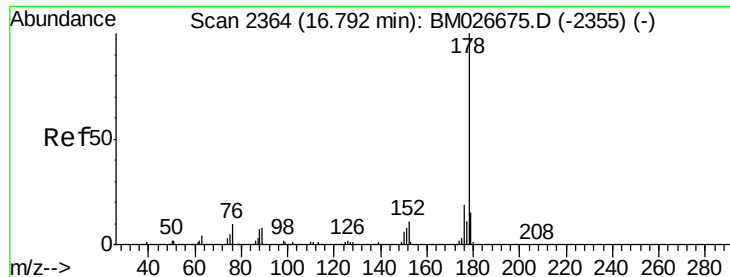
mohammad
7/9/2020 10:56:43 AM



#70
Pentachlorophenol
Concen: 5.270 ng
RT: 16.42 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.0	51.8	77.6
264	69.9	50.1	75.1





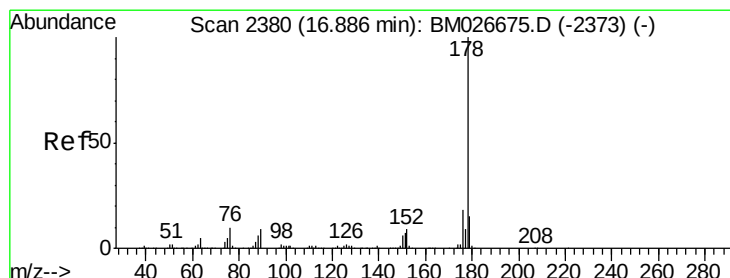
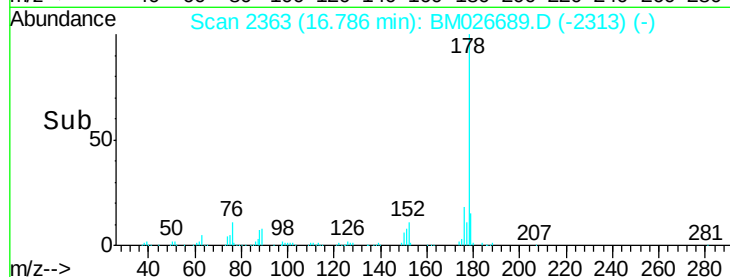
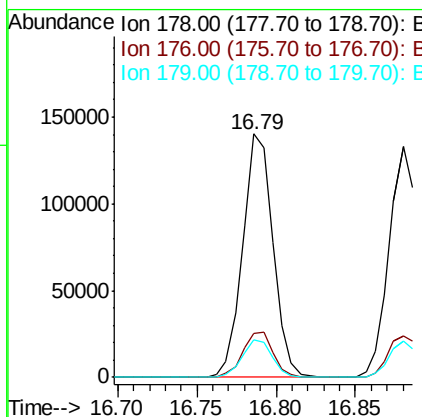
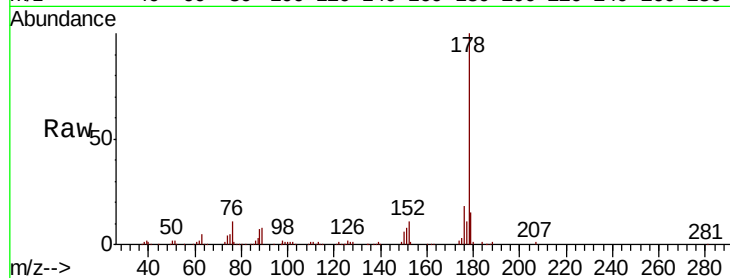
#71
Phenanthrene
Concen: 7.357 ng
RT: 16.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.6
179	15.2	12.1	18.1

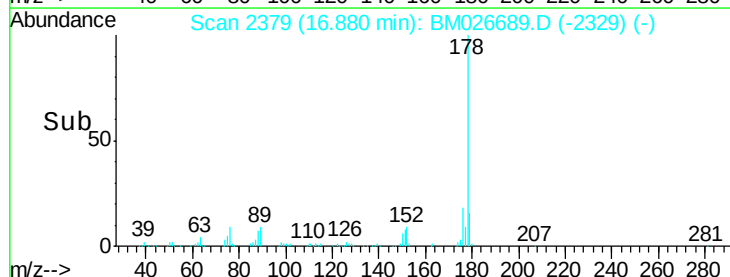
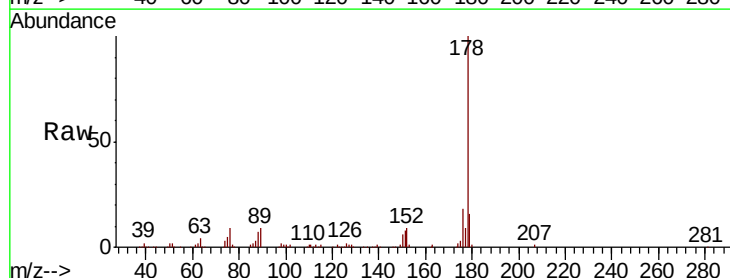
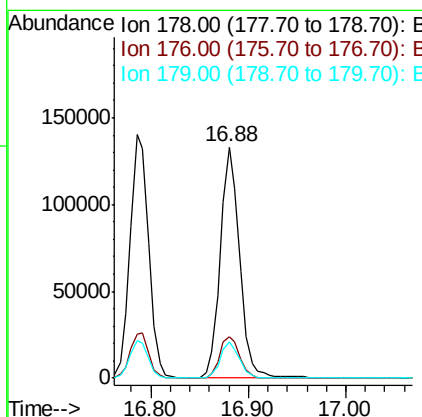
Manual Integrations
APPROVED

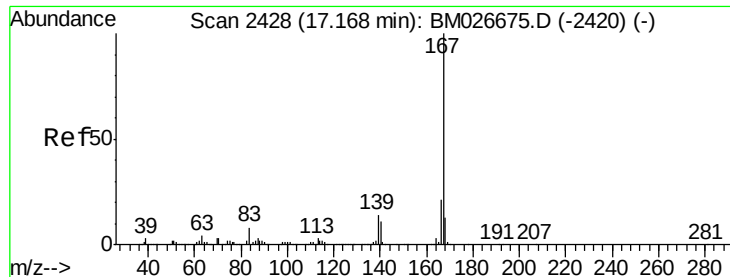
mohammad
7/9/2020 10:56:43 AM



#72
Anthracene
Concen: 7.238 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.5	12.1	18.1





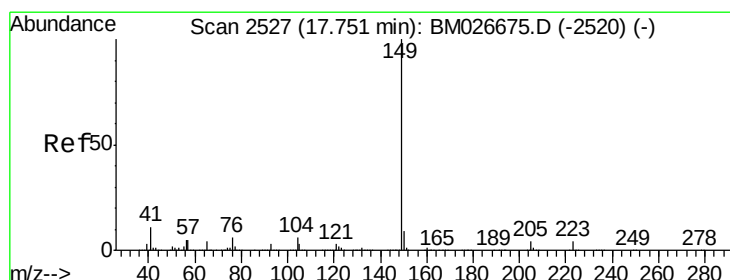
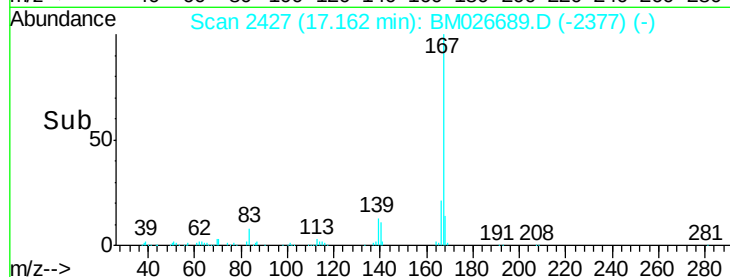
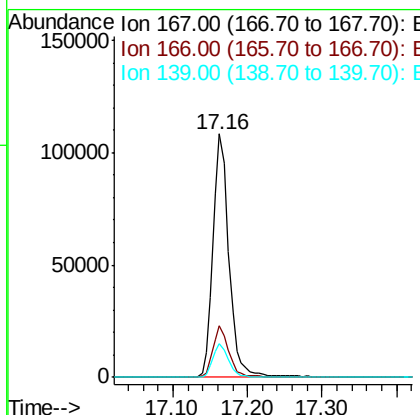
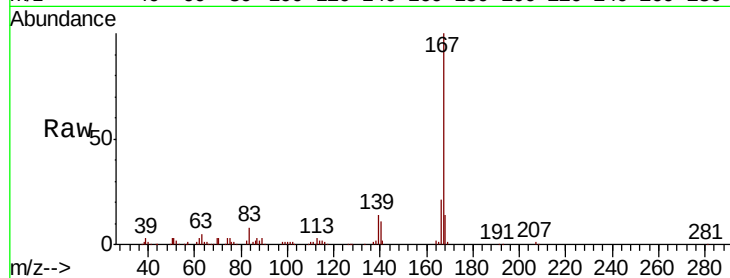
#73
 Carbazole
 Concen: 6.722 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	13.8	10.8	16.2

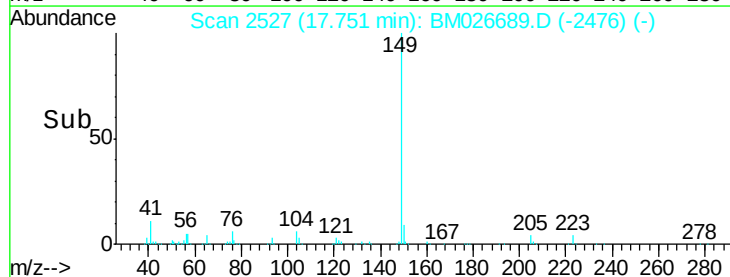
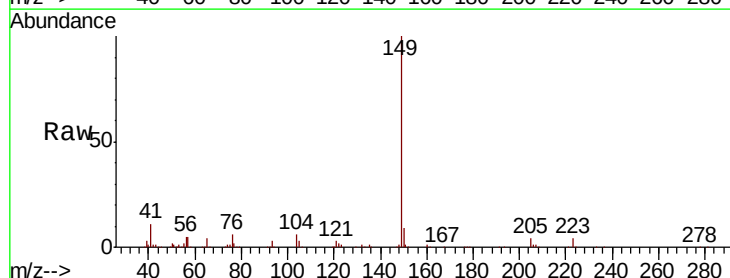
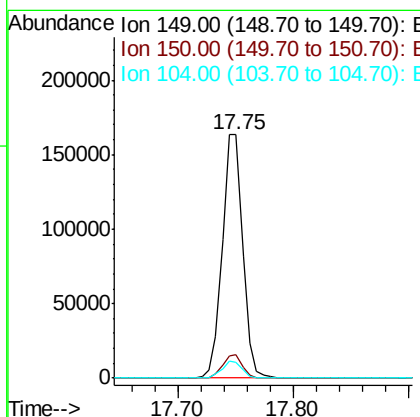
Manual Integrations
 APPROVED

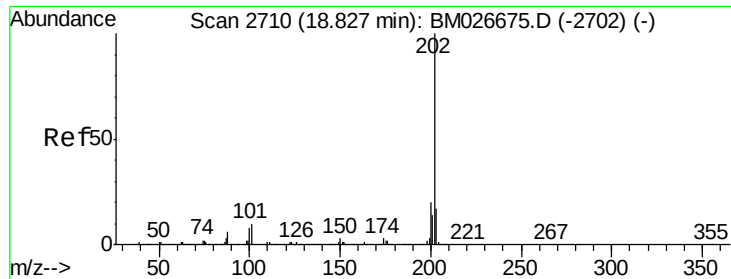
mohammad
 7/9/2020 10:56:43 AM



#74
 Di-n-butylphthalate
 Concen: 6.646 ng
 RT: 17.75 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.3	10.9
104	6.4	5.0	7.4





#75

Fluoranthene

Concen: 7.282 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

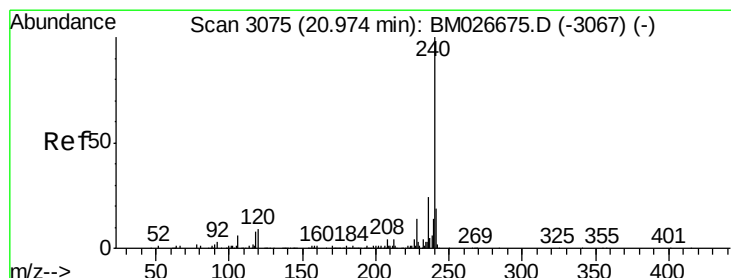
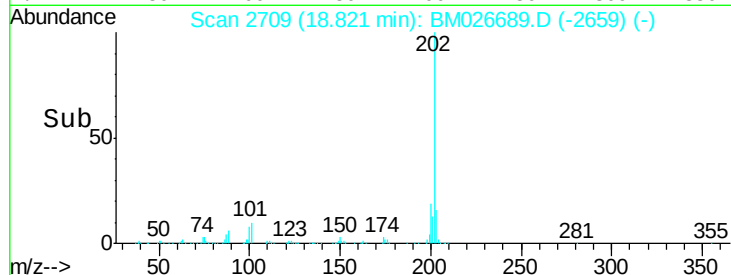
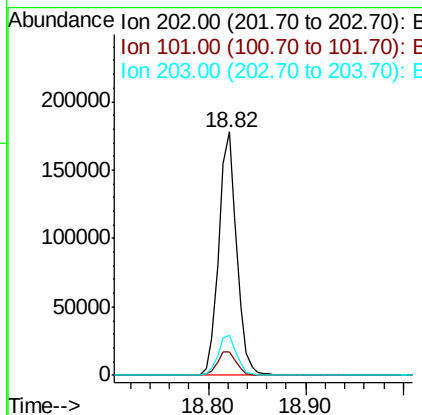
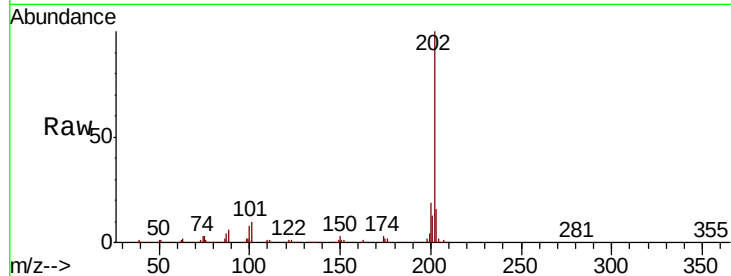
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
202	100	226864		
101	9.7	0.0	30.1	
203	16.2	0.0	37.2	

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#76

Chrysene-d12

Concen: 20.000 ng

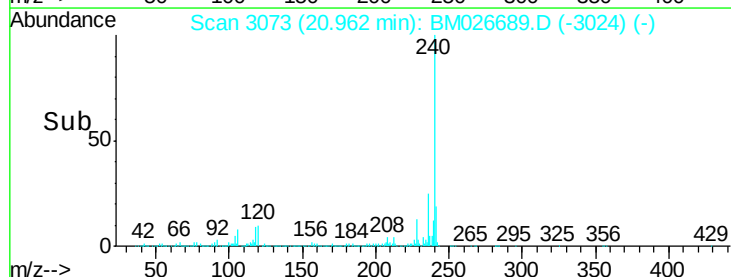
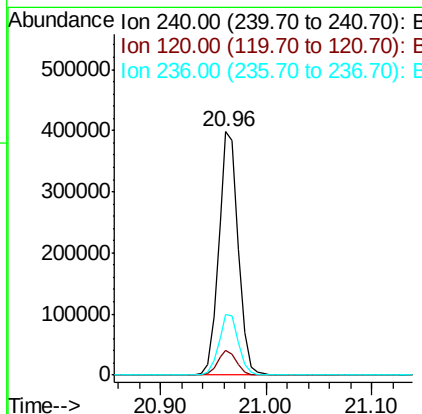
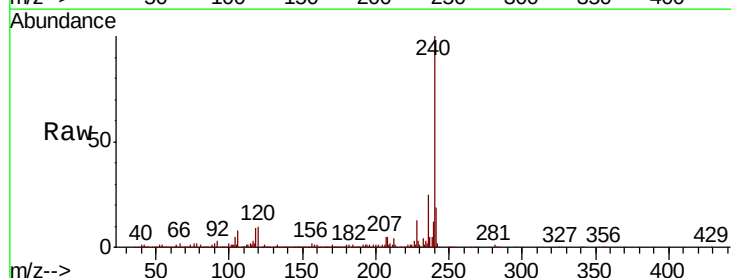
RT: 20.96 min Scan# 3073

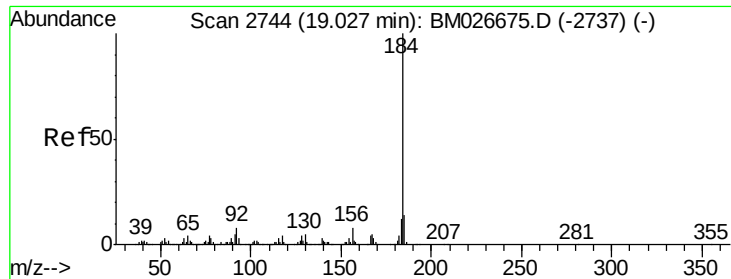
Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	514169		
120	10.3	7.3	10.9	
236	24.7	19.4	29.2	





#77

Benzidine

Concen: 8.750 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Instrument :

BNA_M

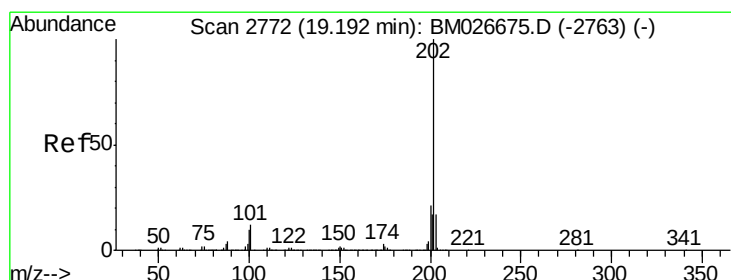
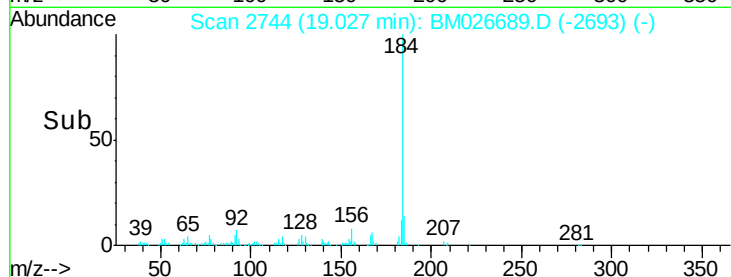
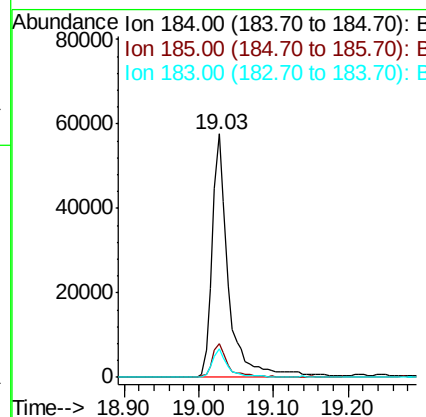
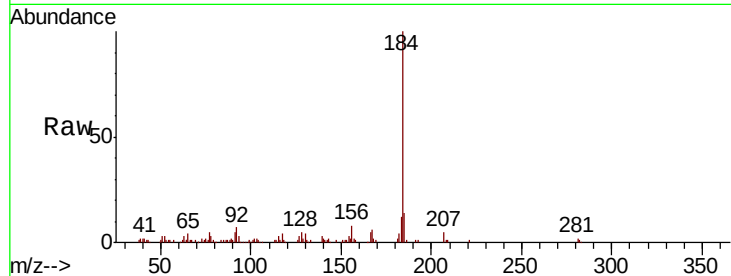
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	88702
Ion Ratio	Lower	Upper	
184	100		
185	13.9	10.9	16.3
183	11.9	9.3	13.9

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM



#78

Pyrene

Concen: 7.357 ng

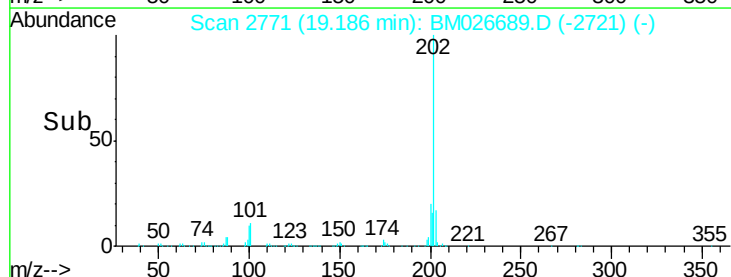
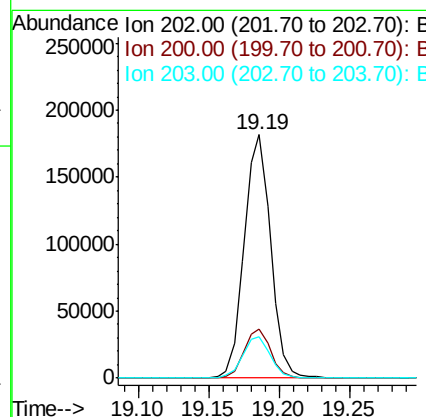
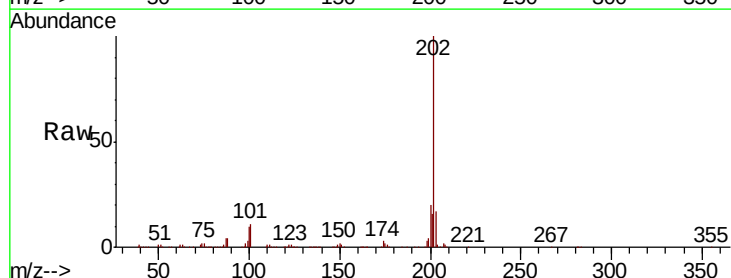
RT: 19.19 min Scan# 2771

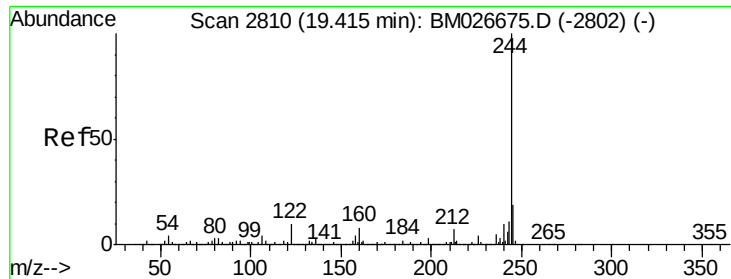
Delta R.T. -0.01 min

Lab File: BM026689.D

Acq: 07 Jul 2020 22:44

Tgt Ion:	202	Resp:	238285
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.6	24.8
203	17.1	13.7	20.5





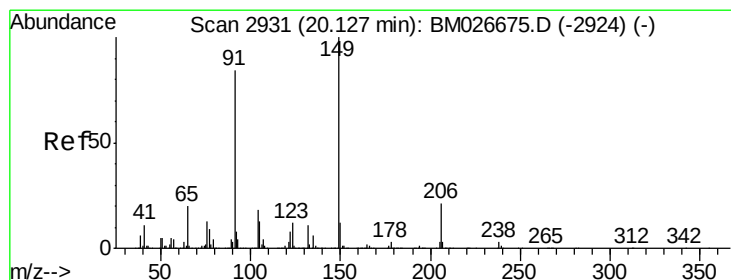
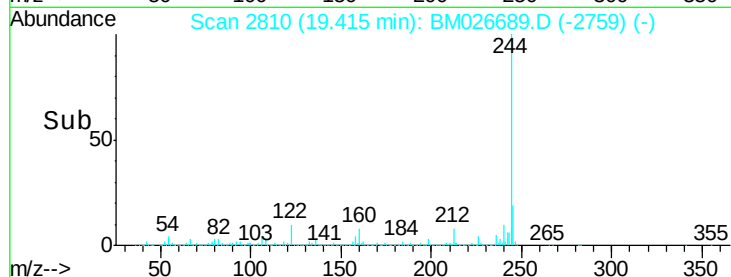
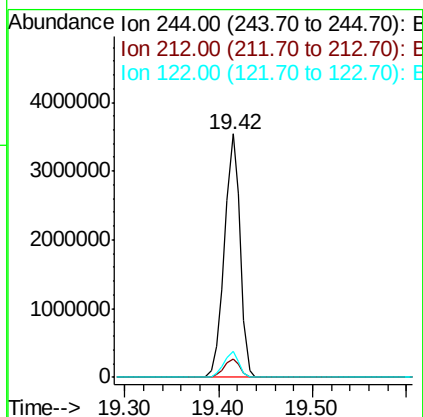
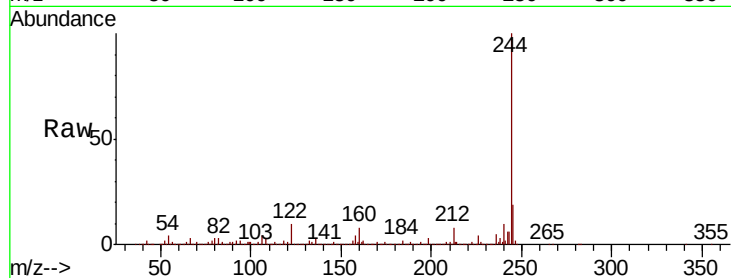
#79
 Terphenyl-d14
 Concen: 156.451 ng
 RT: 19.42 min Scan# 2810
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.5	8.2	12.4

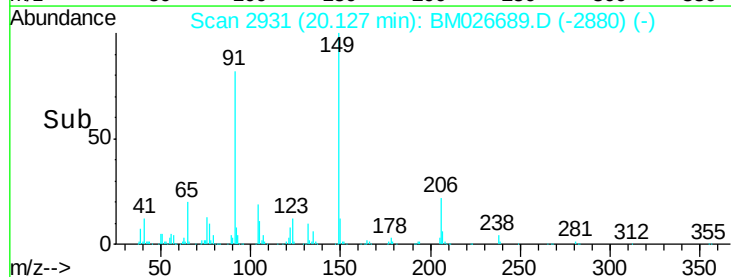
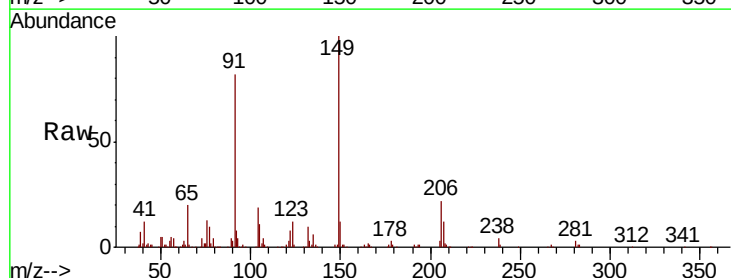
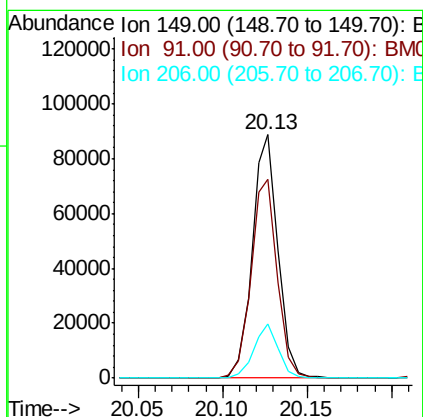
Manual Integrations
 APPROVED

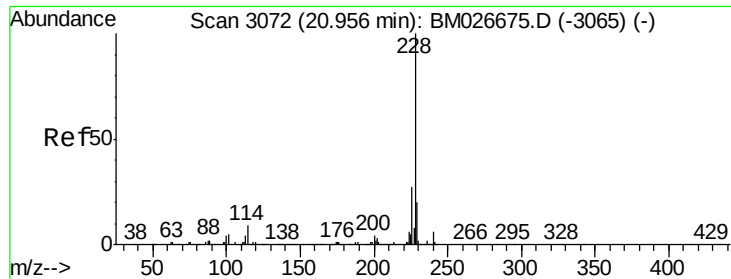
mohammad
 7/9/2020 10:56:43 AM



#80
 Butylbenzylphthalate
 Concen: 6.461 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.8	67.6	101.4
206	22.1	16.7	25.1





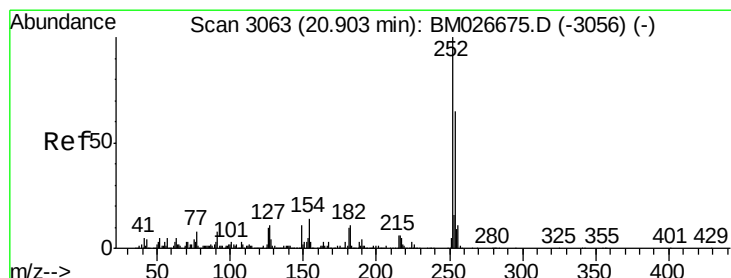
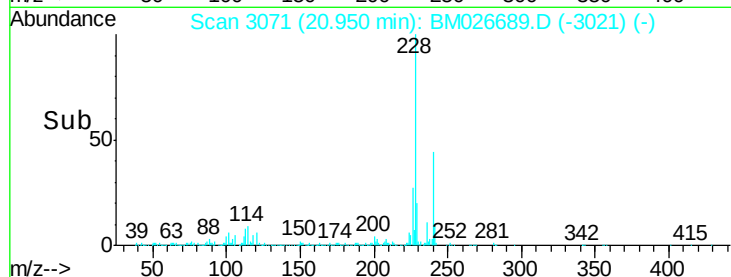
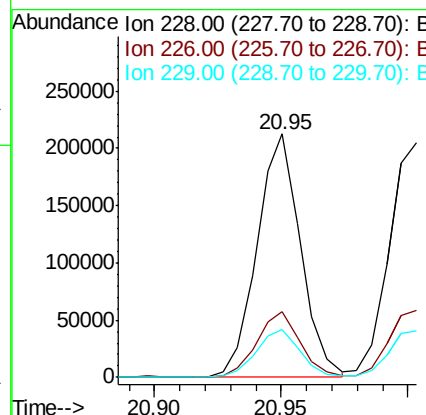
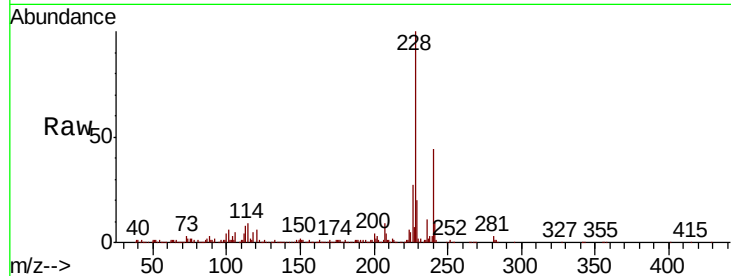
#81
Benzo(a)anthracene
Concen: 7.384 ng
RT: 20.95 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.7	15.6	23.4

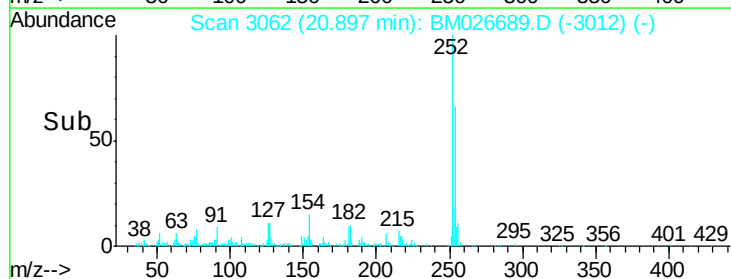
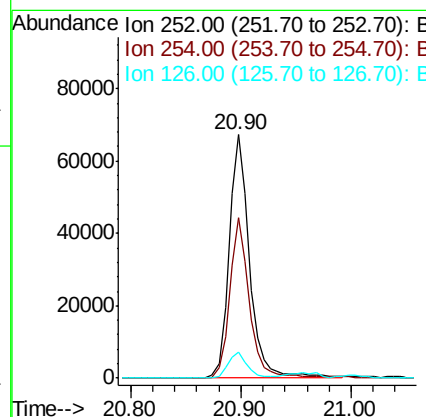
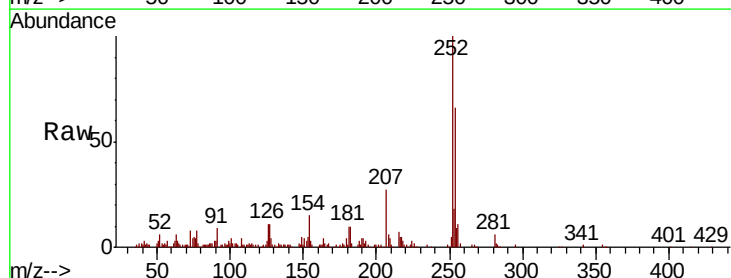
Manual Integrations
APPROVED

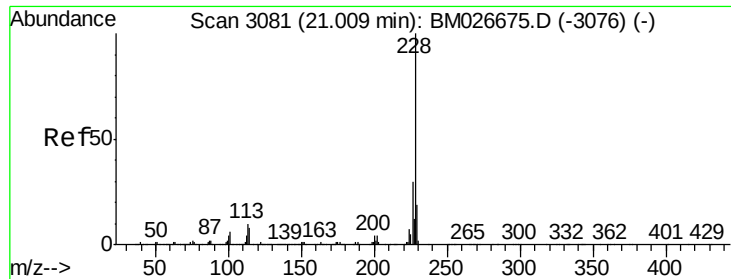
mohammad
7/9/2020 10:56:43 AM



#82
3,3'-Dichlorobenzidine
Concen: 7.955 ng
RT: 20.90 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.1	51.9	77.9
126	10.6	8.2	12.2





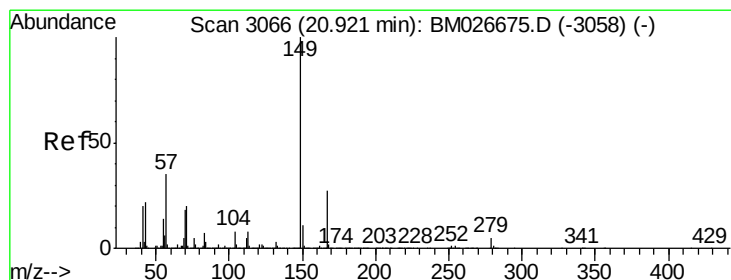
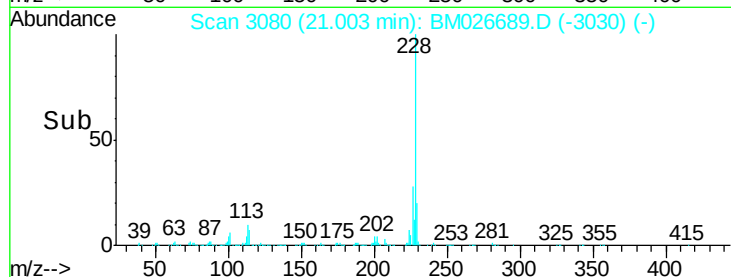
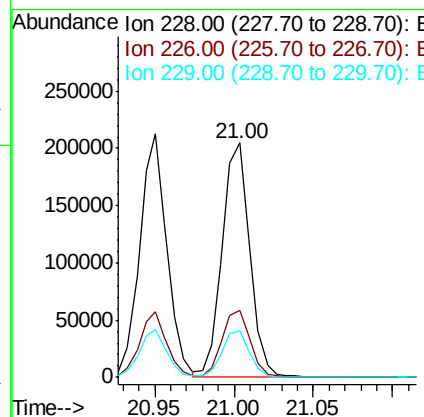
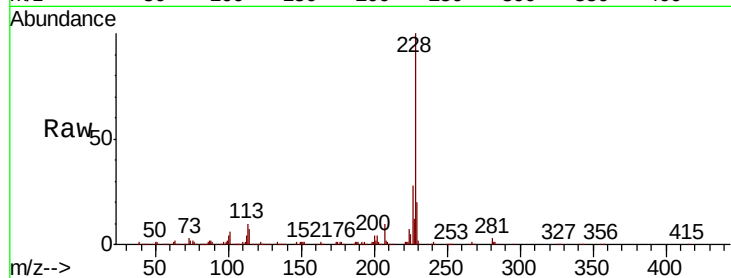
#83
Chrysene
Concen: 7.361 ng
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.7	35.5
229	19.7	15.4	23.0

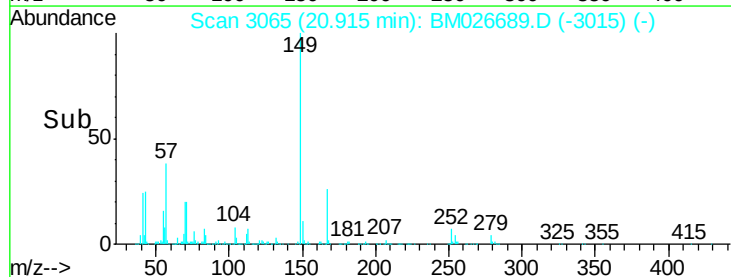
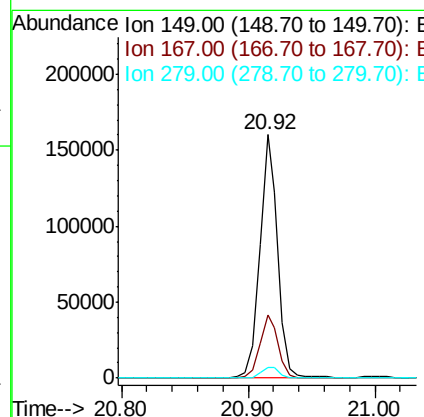
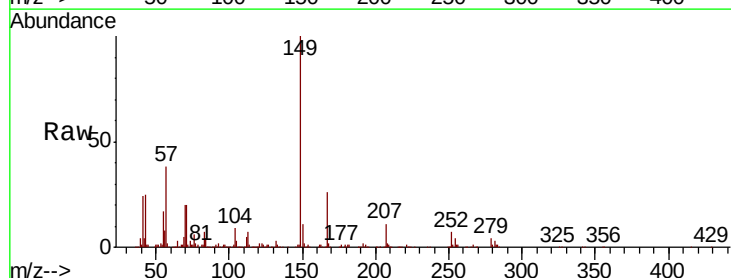
Manual Integrations
APPROVED

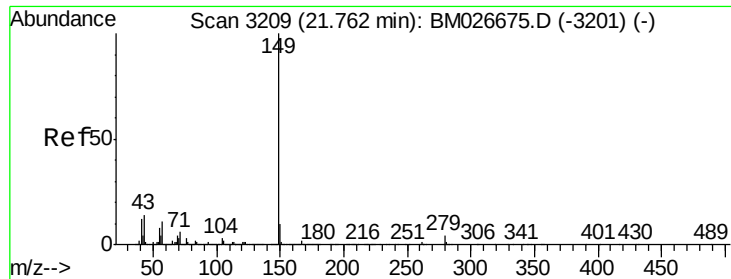
mohammad
7/9/2020 10:56:43 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.727 ng
RT: 20.92 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.9	32.9
279	4.3	3.7	5.5





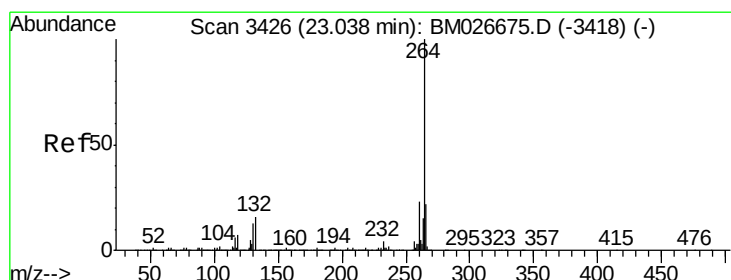
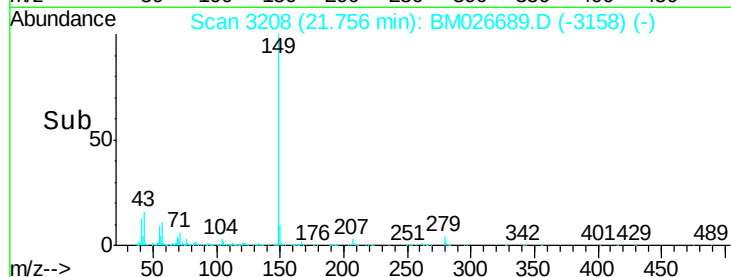
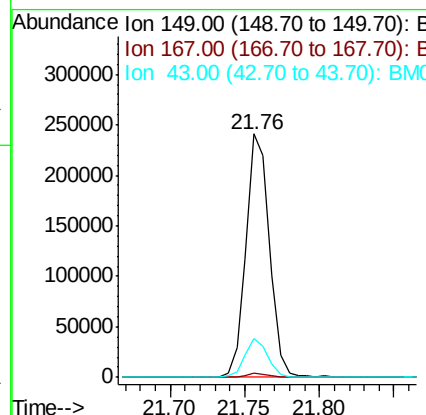
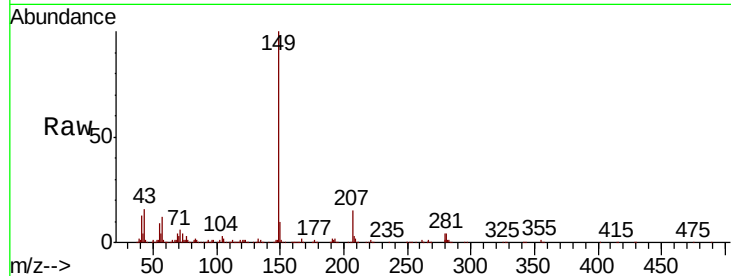
#85
Di-n-octyl phthalate
Concen: 6.555 ng
RT: 21.76 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	15.3	11.2	16.8

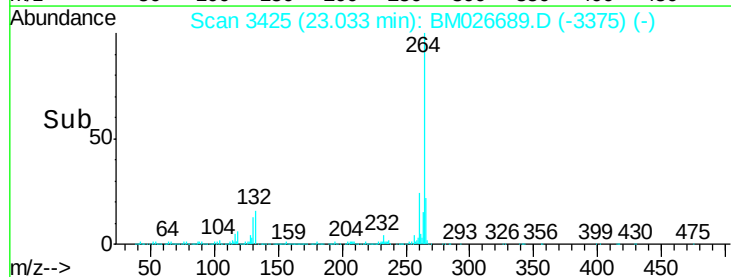
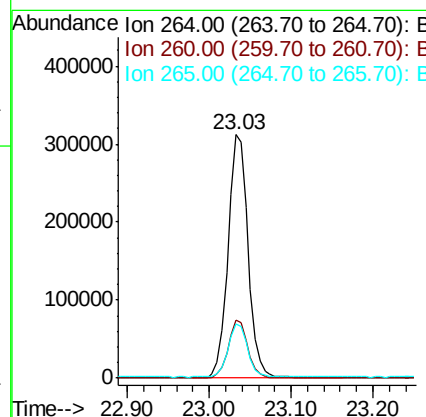
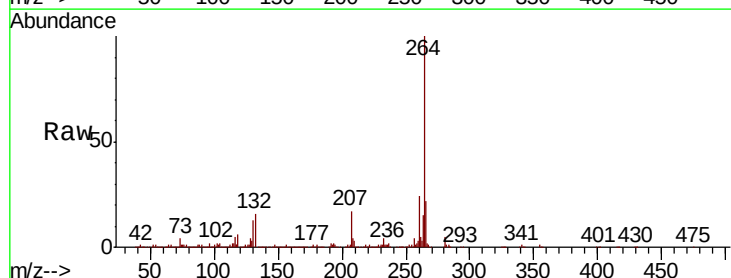
Manual Integrations
APPROVED

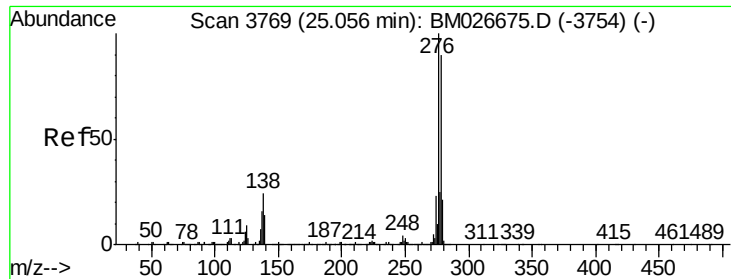
mohammad
7/9/2020 10:56:43 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.03 min Scan# 3425
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	22.0	17.6	26.4





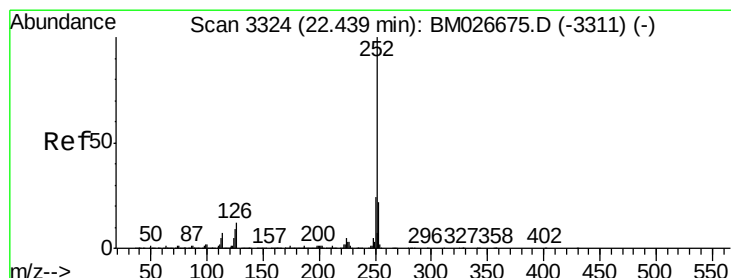
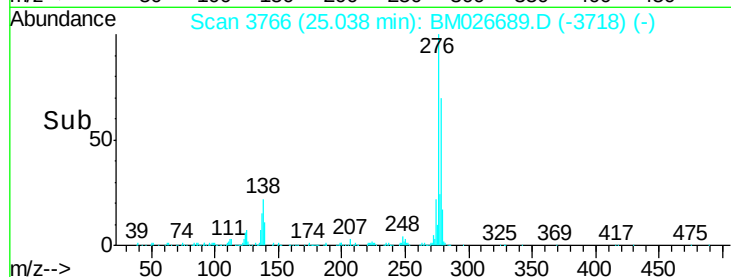
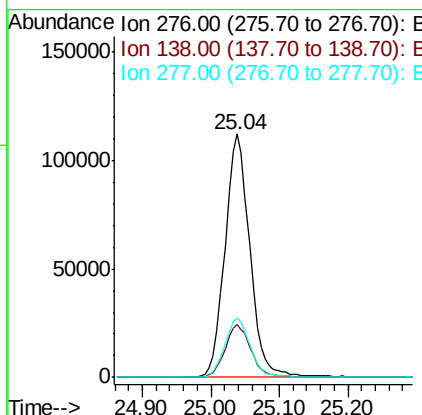
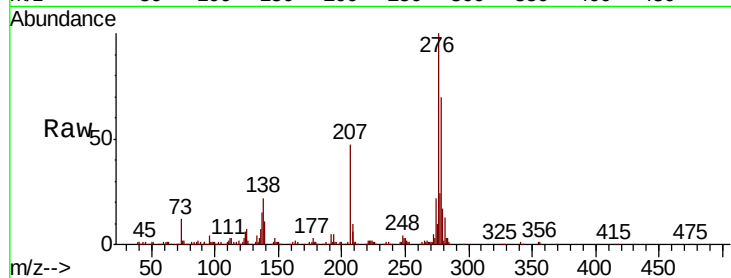
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.463 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.02 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.4	27.6
277	24.8	20.0	30.0

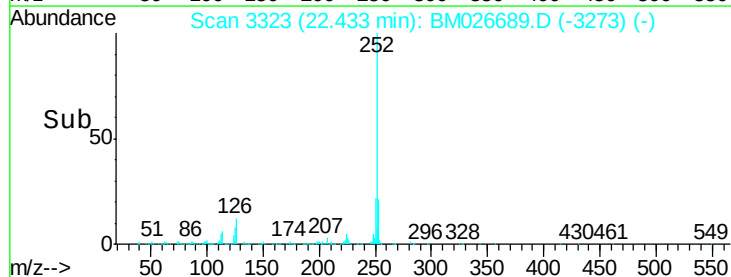
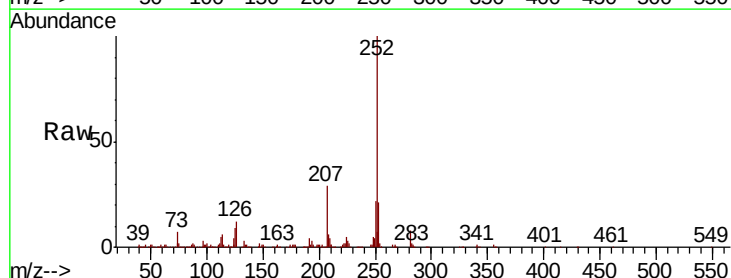
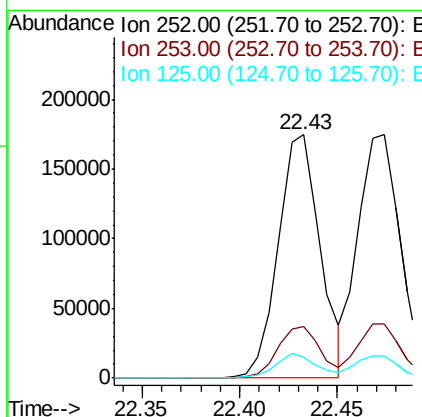
Manual Integrations
 APPROVED

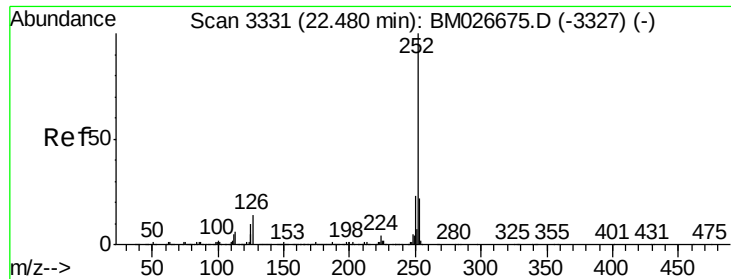
mohammad
 7/9/2020 10:56:43 AM



#88
 Benzo(b)fluoranthene
 Concen: 7.406 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026689.D
 Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	8.6	7.5	11.3





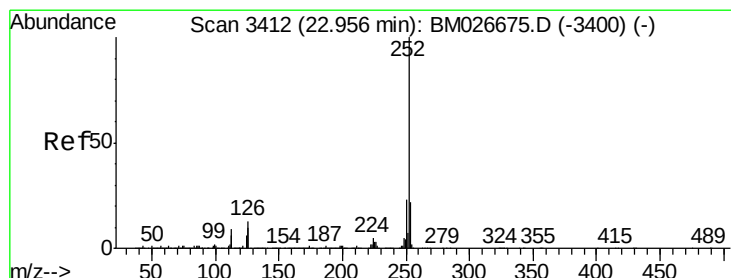
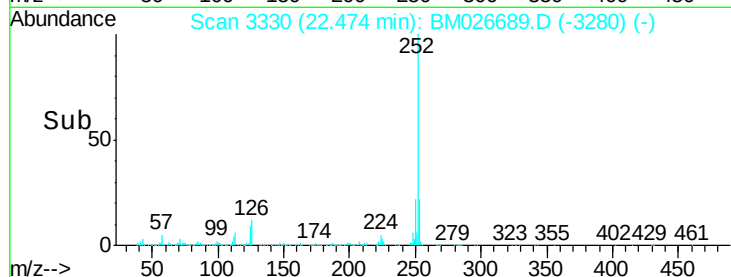
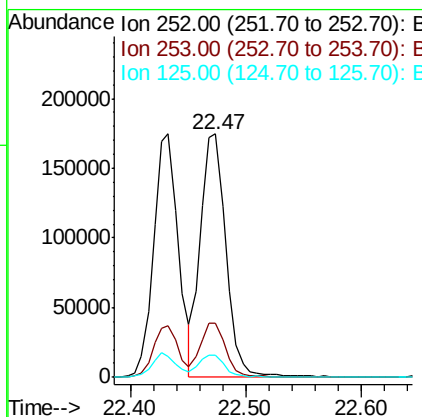
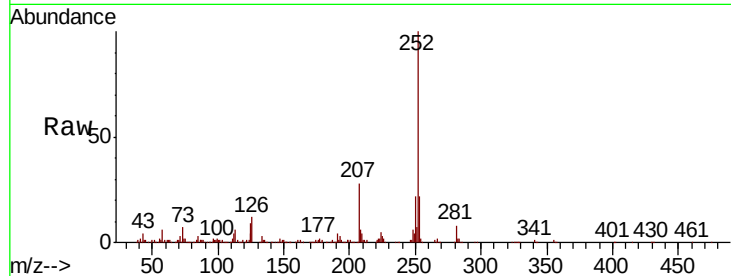
#89
Benzo(k)fluoranthene
Concen: 7.790 ng
RT: 22.47 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	268171		
253	22.1	17.5	26.3	
125	8.9	7.8	11.8	

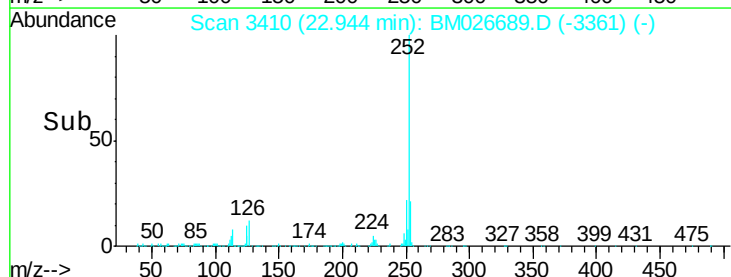
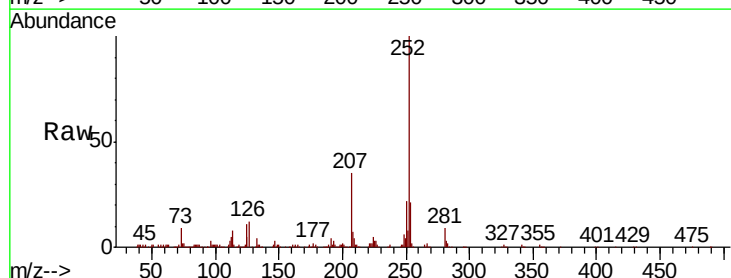
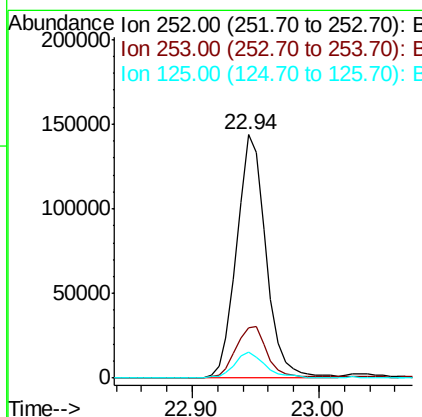
Manual Integrations
APPROVED

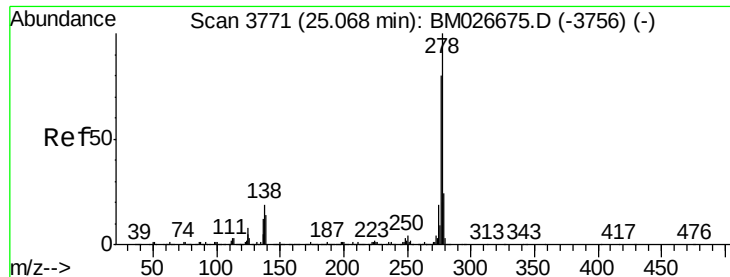
mohammad
7/9/2020 10:56:43 AM



#90
Benzo(a)pyrene
Concen: 7.035 ng
RT: 22.94 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	229191		
253	20.7	17.4	26.2	
125	10.5	8.2	12.4	





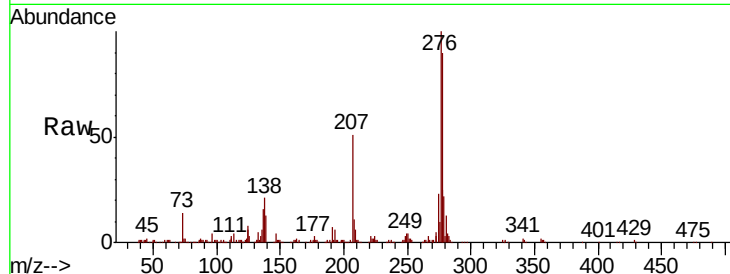
#91
Dibenzo(a,h)anthracene
Concen: 7.448 ng
RT: 25.04 min Scan# 3767
Delta R.T. -0.02 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.2	16.8
279	23.9	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/9/2020 10:56:43 AM

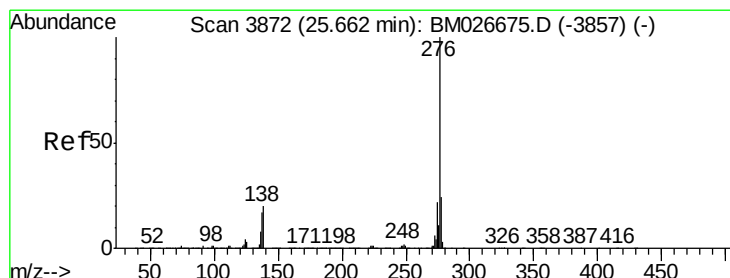
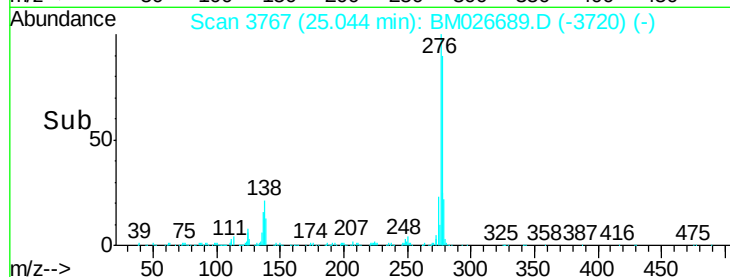
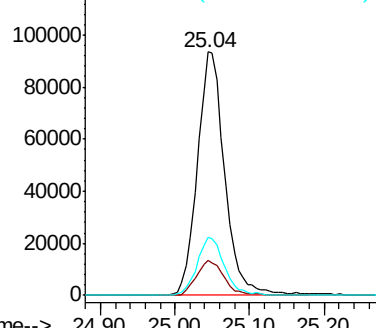


Abundance

Ion 278.00 (277.70 to 278.70): E

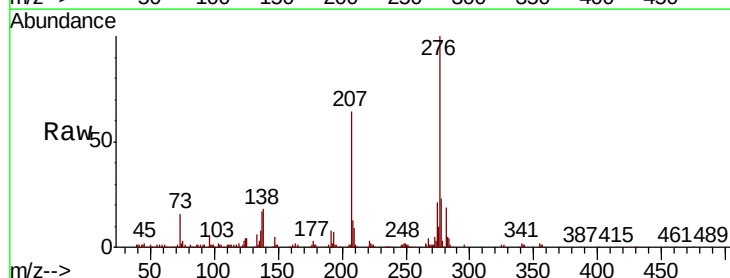
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.888 ng
RT: 25.64 min Scan# 3869
Delta R.T. -0.02 min
Lab File: BM026689.D
Acq: 07 Jul 2020 22:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	17.9	15.8	23.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

