

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071020\
 Data File : BM026718.D
 Acq On : 09 Jul 2020 14:30
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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 7/10/2020 11:51:29 AM

Quant Time: Jul 09 15:03:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:30:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	59164	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	259944	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	179467	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	424149	20.00	ng	0.00
76) Chrysene-d12	20.97	240	519896	20.00	ng	0.00
86) Perylene-d12	23.04	264	549575	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	357133	101.17	ng	0.00
7) Phenol-d6	6.53	99	539995	96.02	ng	0.00
23) Nitrobenzene-d5	8.47	82	453155	74.37	ng	0.00
42) 2,4,6-Tribromophenol	15.49	330	270642	103.52	ng	0.00
45) 2-Fluorobiphenyl	12.59	172	984398	72.93	ng	0.00
79) Terphenyl-d14	19.41	244	1518745	57.49	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.95	88	18118	10.683	ng	98
3) Pyridine	3.36	79	33900	6.988	ng	# 93
4) n-Nitrosodimethylamine	3.26	42	26233	9.035	ng	88
6) Aniline	6.67	93	59634	8.639	ng	96
8) 2-Chlorophenol	6.90	128	36264	8.624	ng	98
9) Benzaldehyde	6.49	77	39662	12.707	ng	97
10) Phenol	6.56	94	47089	8.472	ng	89
11) bis(2-Chloroethyl)ether	6.77	93	38572	8.299	ng	98
12) 1,3-Dichlorobenzene	7.22	146	38782	8.485	ng	94
13) 1,4-Dichlorobenzene	7.36	146	41266	8.870	ng	98
14) 1,2-Dichlorobenzene	7.67	146	40020	8.635	ng	97
15) Benzyl Alcohol	7.58	79	36312	7.546	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.86	45	81625	8.509	ng	99
17) 2-Methylphenol	7.79	107	31383	7.429	ng	97
18) Hexachloroethane	8.37	117	15469	8.372	ng	88
19) n-Nitroso-di-n-propylamine	8.14	70	38850	8.302	ng	97
20) 3+4-Methylphenols	8.12	107	42010	7.234	ng	97
22) Acetophenone	8.15	105	66072	8.945	ng	# 94
24) Nitrobenzene	8.52	77	56703	8.846	ng	99
25) Isophorone	9.04	82	96035	8.219	ng	100
26) 2-Nitrophenol	9.22	139	17607	7.442	ng	95
27) 2,4-Dimethylphenol	9.30	122	34815	9.050	ng	99
28) bis(2-Chloroethoxy)methane	9.53	93	56663	8.779	ng	99
29) 2,4-Dichlorophenol	9.76	162	33797	7.977	ng	97
30) 1,2,4-Trichlorobenzene	9.95	180	39676	8.395	ng	99
31) Naphthalene	10.13	128	125090	8.652	ng	98
32) Benzoic acid	9.42	122	7781	9.085	ng	93
33) 4-Chloroaniline	10.26	127	48300	7.637	ng	96
34) Hexachlorobutadiene	10.42	225	25710	8.214	ng	94
35) Caprolactam	11.04	113	11130	7.416	ng	98
36) 4-Chloro-3-methylphenol	11.40	107	43675	8.157	ng	96
37) 2-Methylnaphthalene	11.76	142	91748	8.567	ng	98
38) 1-Methylnaphthalene	11.98	142	89258	8.699	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.14	216	50891	8.772	ng	99

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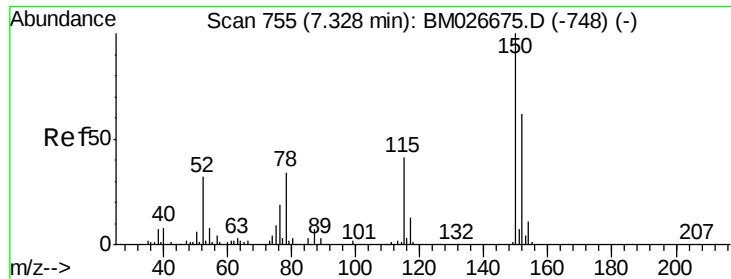
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Quant Time: Jul 09 15:03:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:30:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	16903	10.912	nq	99
43) 2,4,6-Trichlorophenol	12.40	196	29290	7.707	nq	95
44) 2,4,5-Trichlorophenol	12.48	196	33982	7.609	nq	98
46) 1,1'-Biphenyl	12.80	154	129701	9.149	nq	98
47) 2-Chloronaphthalene	12.84	162	94548	8.256	nq	97
48) 2-Nitroaniline	13.07	65	33885	7.190	nq	92
49) Acenaphthylene	13.70	152	155526	8.495	nq	99
50) Dimethylphthalate	13.46	163	130075	8.474	nq	99
51) 2,6-Dinitrotoluene	13.58	165	26617	8.097	nq	96
52) Acenaphthene	14.05	154	93666	8.419	nq	98
53) 3-Nitroaniline	13.92	138	23464	6.862	nq	99
54) 2,4-Dinitrophenol	14.14	184	8545	9.727	nq	88
55) Dibenzofuran	14.39	168	154392	8.463	nq	99
56) 4-Nitrophenol	14.27	139	15883	8.980	nq	99
57) 2,4-Dinitrotoluene	14.39	165	35885	7.564	nq	89
58) Fluorene	15.04	166	123777	8.195	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.63	232	32683	8.380	nq	98
60) Diethylphthalate	14.85	149	135223	8.331	nq	99
61) 4-Chlorophenyl-phenylether	15.05	204	66452	8.120	nq	91
62) 4-Nitroaniline	15.09	138	23808m	8.710	nq	
63) Azobenzene	15.34	77	149851	8.405	nq	96
65) 4,6-Dinitro-2-methylphenol	15.16	198	17535	9.638	nq	80
66) n-Nitrosodiphenylamine	15.27	169	112138	8.320	nq	97
67) 4-Bromophenyl-phenylether	15.95	248	41555	7.871	nq	99
68) Hexachlorobenzene	16.06	284	46842	8.430	nq	99
69) Atrazine	16.24	200	39395	9.720	nq	97
70) Pentachlorophenol	16.42	266	21393	6.806	nq	93
71) Phenanthrene	16.79	178	209447	8.365	nq	100
72) Anthracene	16.88	178	208062	8.347	nq	100
73) Carbazole	17.16	167	182324	7.672	nq	99
74) Di-n-butylphthalate	17.74	149	229196	7.670	nq	100
75) Fluoranthene	18.82	202	258304	8.375	nq	98
77) Benzidine	19.03	184	97884	9.550	nq	99
78) Pyrene	19.18	202	271645	8.294	nq	99
80) Butylbenzylphthalate	20.13	149	108070	7.353	nq	96
81) Benzo(a)anthracene	20.95	228	298303	8.542	nq	98
82) 3,3'-Dichlorobenzidine	20.90	252	100174	9.038	nq	98
83) Chrysene	21.00	228	290834	8.556	nq	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	177640	7.545	nq	99
85) Di-n-octyl phthalate	21.76	149	301240	7.486	nq	98
87) Indeno(1,2,3-cd)pyrene	25.04	276	347247	8.875	nq	99
88) Benzo(b)fluoranthene	22.43	252	302599	8.356	nq	100
89) Benzo(k)fluoranthene	22.47	252	314838	8.864	nq	99
90) Benzo(a)pyrene	22.95	252	273265	8.129	nq	98
91) Dibenzo(a,h)anthracene	25.04	278	293003	8.871	nq	98
92) Benzo(g,h,i)perylene	25.64	276	286566	9.417	nq	97

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



#1

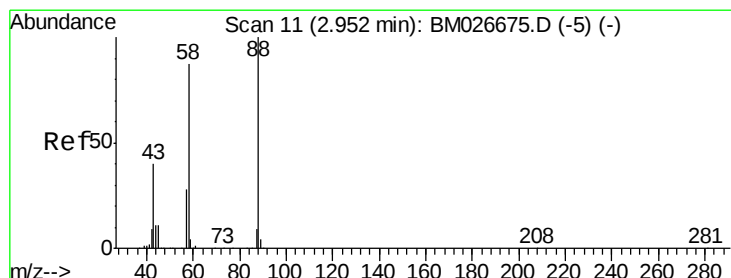
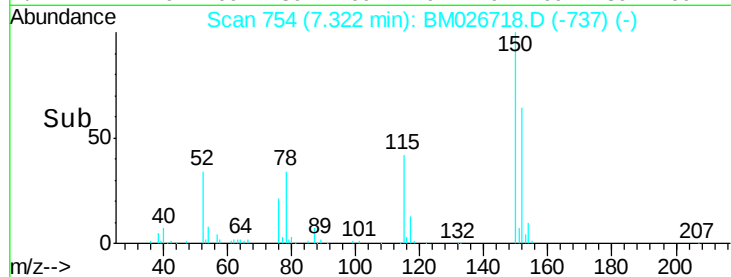
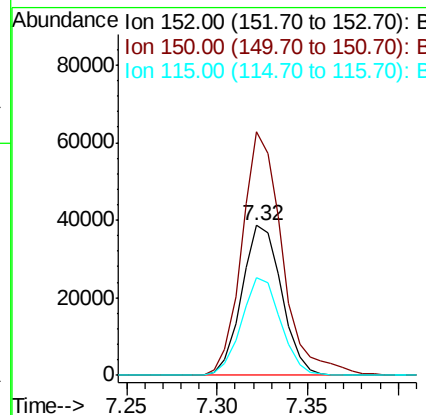
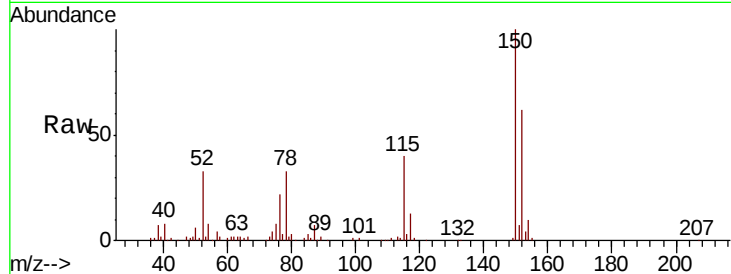
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Concen: 20.000 ng
RT: 7.32 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	128.1	192.1
115	65.3	52.2	78.4

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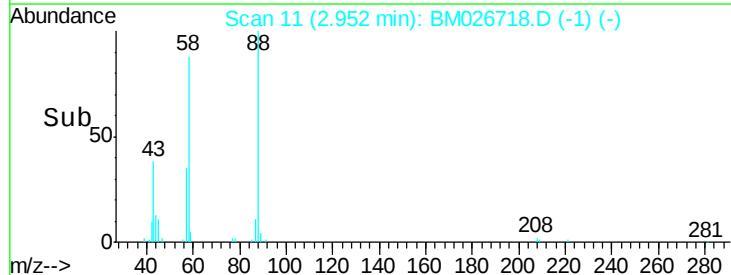
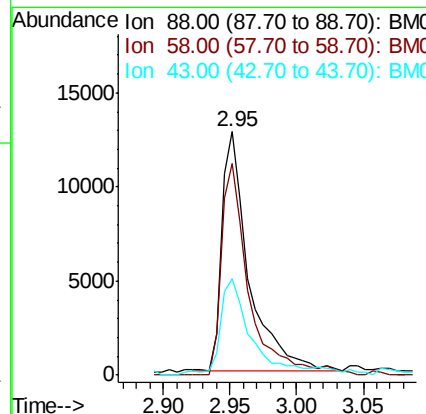
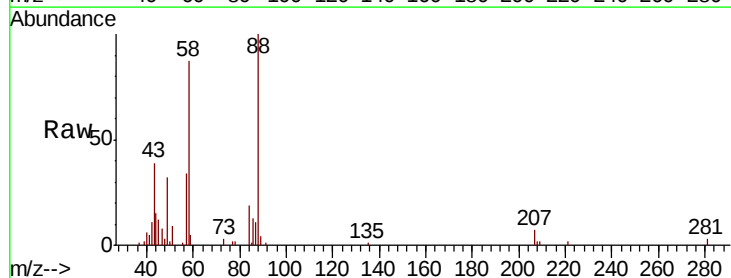
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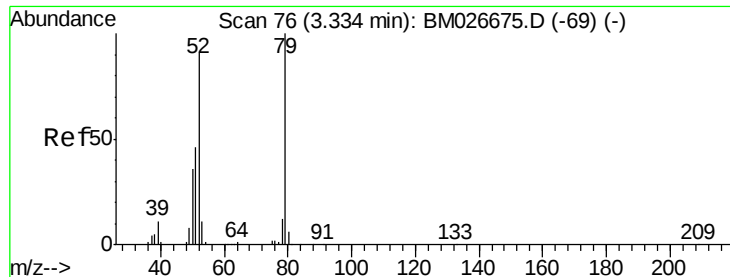


#2

1,4-Dioxane
Concen: 10.683 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.5	73.2	109.8
43	45.5	34.3	51.5





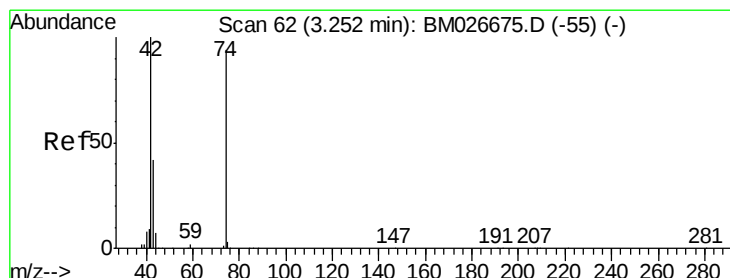
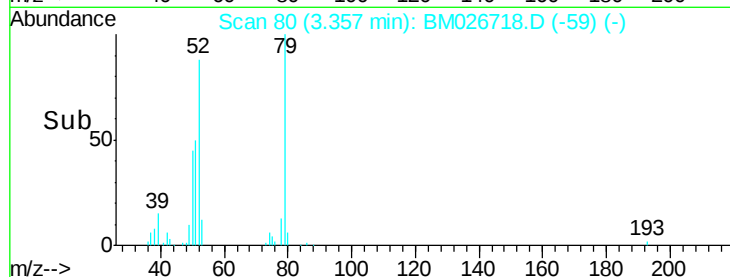
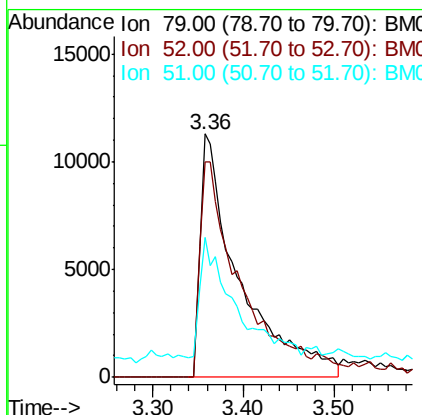
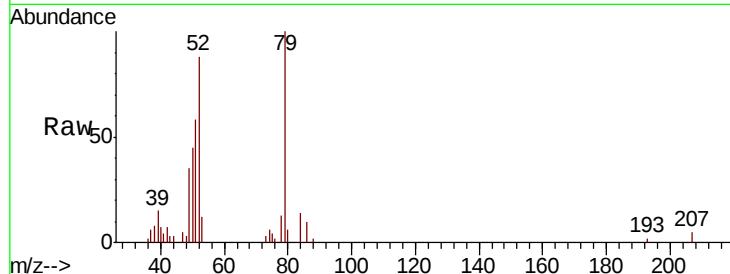
#3
 Pvridine
 Concen: 6.988 ng
 RT: 3.36 min Scan# 80
 Delta R.T. 0.02 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
79	100		
52	88.3	72.9	109.3
51	57.6	37.6	56.4

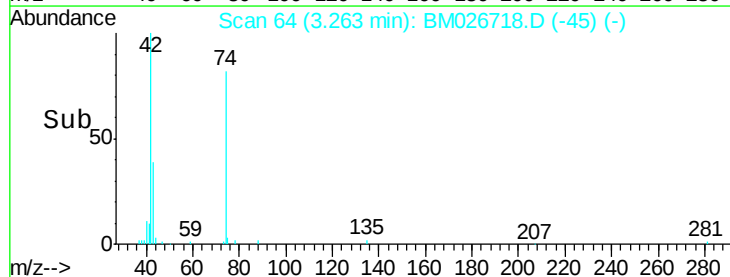
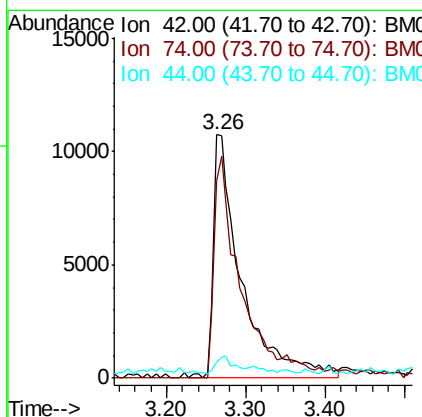
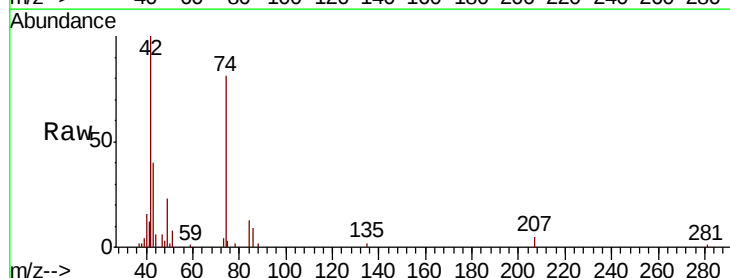
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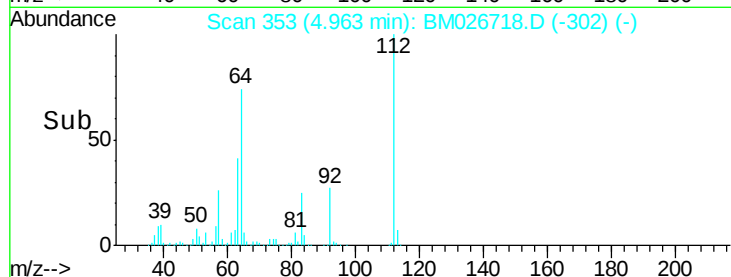
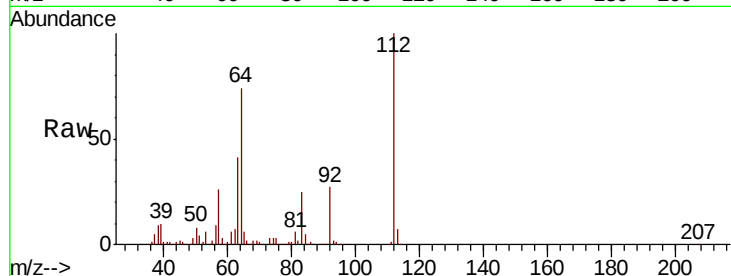
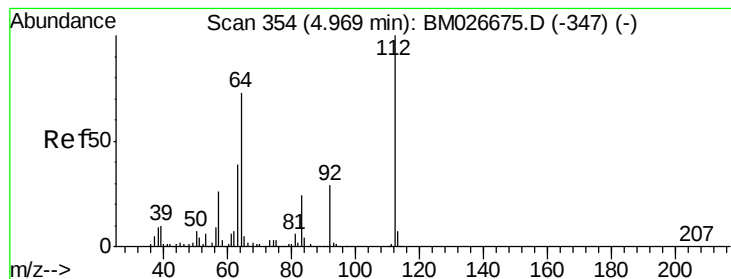
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#4
 n-Nitrosodimethylamine
 Concen: 9.035 ng
 RT: 3.26 min Scan# 64
 Delta R.T. 0.01 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
42	100		
74	81.2	75.1	112.7
44	6.4	5.7	8.5





#5

2-Fluorophenol

Concen: 101.174 ng

RT: 4.96 min Scan# 353

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tot Ion:	112	Resp:	357133
Ion Ratio	Lower	Upper	
112	100		
64	73.7	58.4	87.6
63	40.8	31.5	47.3

Instrument :

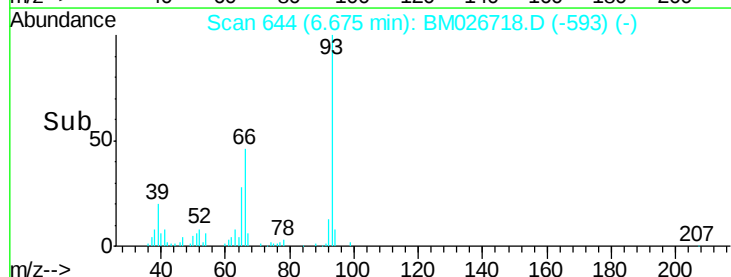
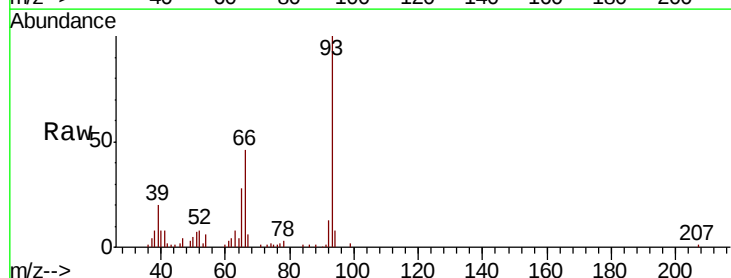
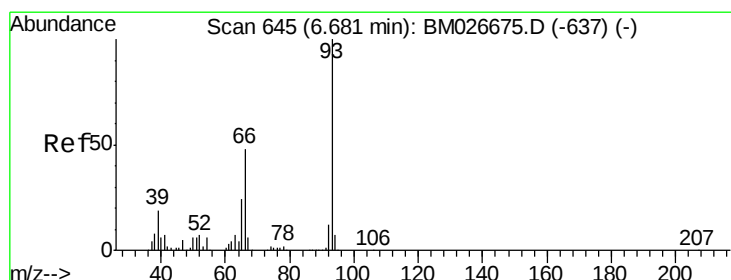
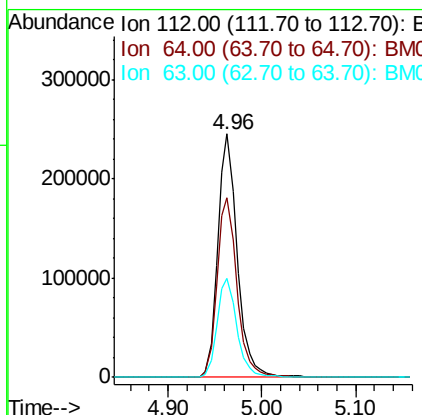
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

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#6

Aniline

Concen: 8.639 ng

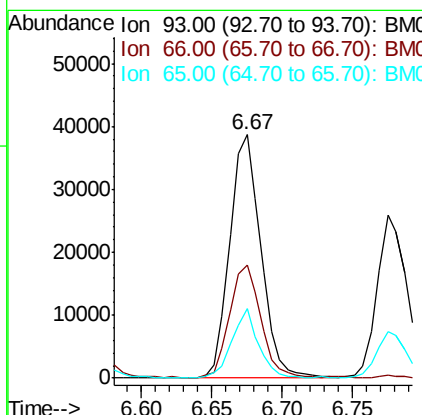
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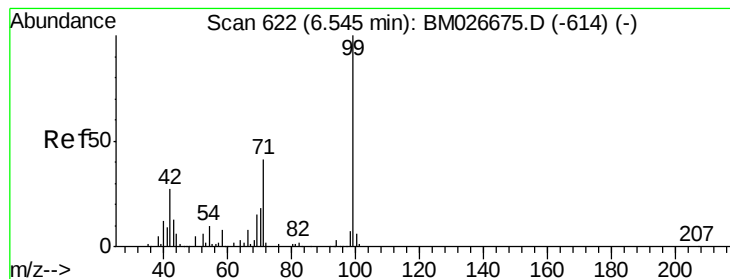
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	93	Resp:	59634
Ion Ratio	Lower	Upper	
93	100		
66	46.4	38.2	57.4
65	28.3	19.6	29.4





#7

Phenol-d6

Concen: 96.016 ng

RT: 6.53 min Scan# 620

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

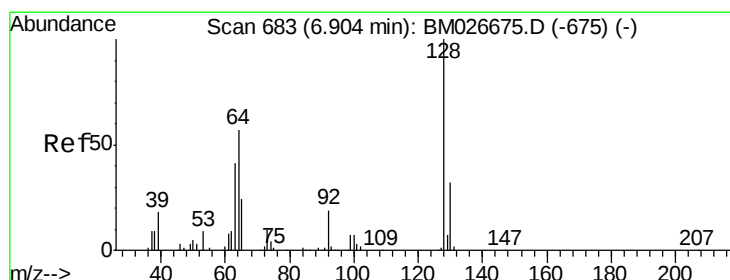
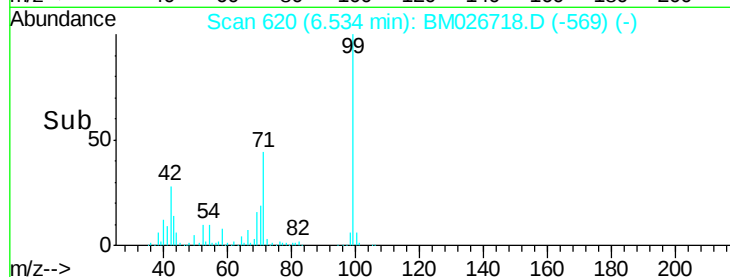
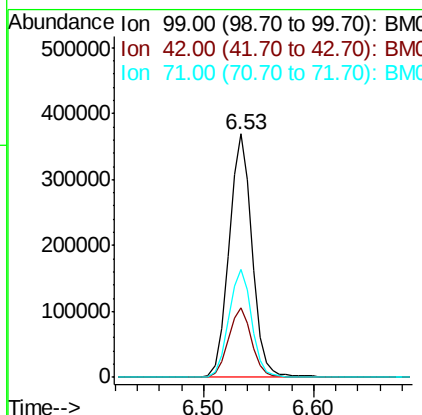
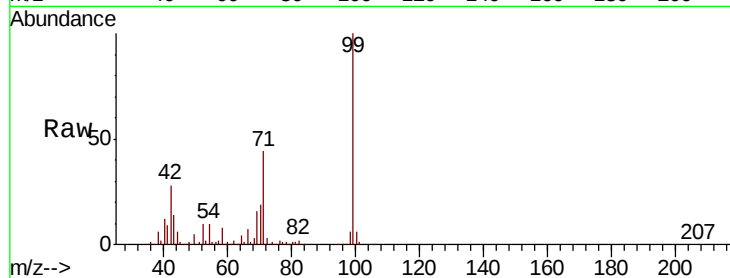
ClientSampleId :

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Tot Ion:	99	Resp:	539995
Ion Ratio	Lower	Upper	
99	100		
42	28.4	21.7	32.5
71	44.3	33.2	49.8

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#8

2-Chlorophenol

Concen: 8.624 ng

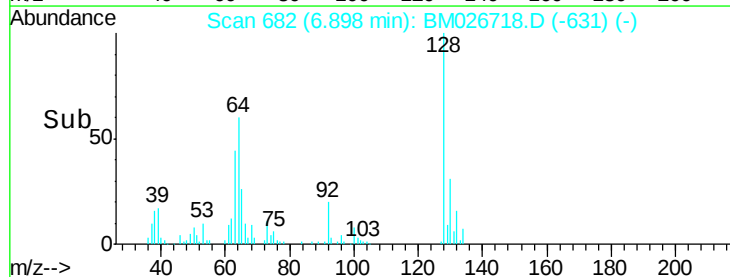
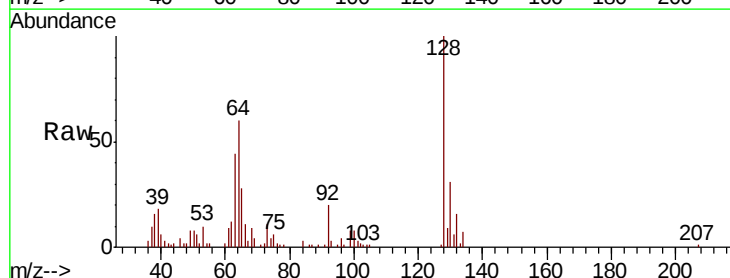
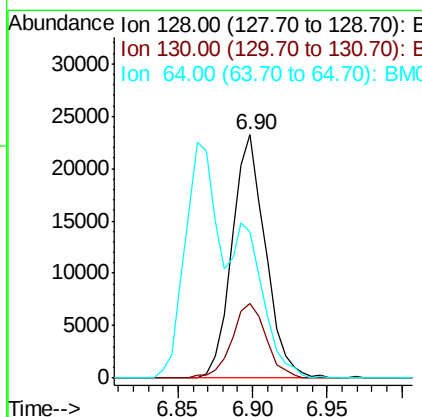
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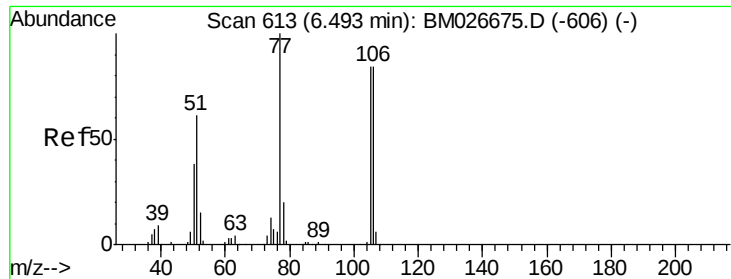
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	128	Resp:	36264
Ion Ratio	Lower	Upper	
128	100		
130	30.8	12.2	52.2
64	60.2	41.4	81.4





#9

Benzaldehyde

Concen: 12.707 ng

RT: 6.49 min Scan# 613

Delta R.T. 0.01 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

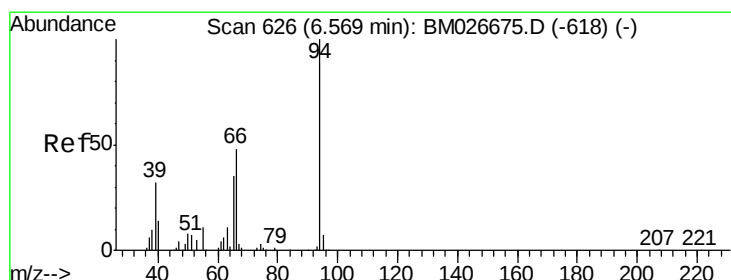
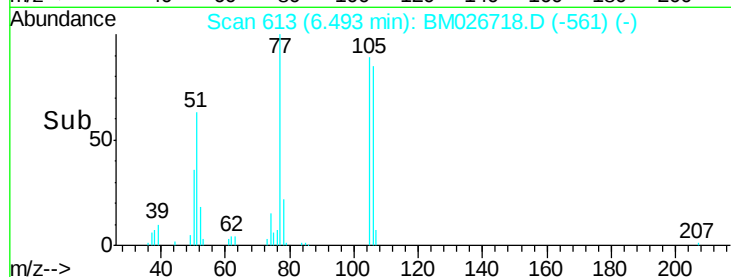
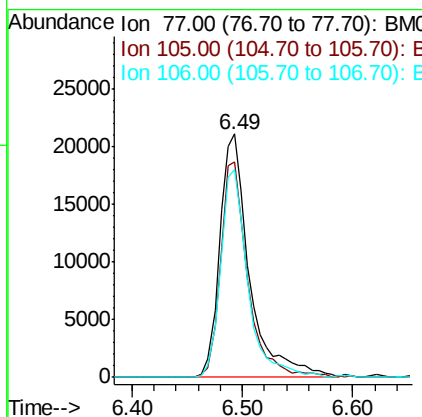
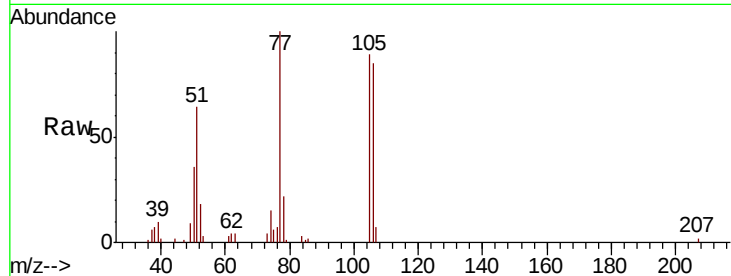
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	77	Resp:	39662
Ion	Ratio	Lower	Upper
77	100		
105	88.7	64.4	104.4
106	85.3	64.3	104.3

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#10

Phenol

Concen: 8.472 ng

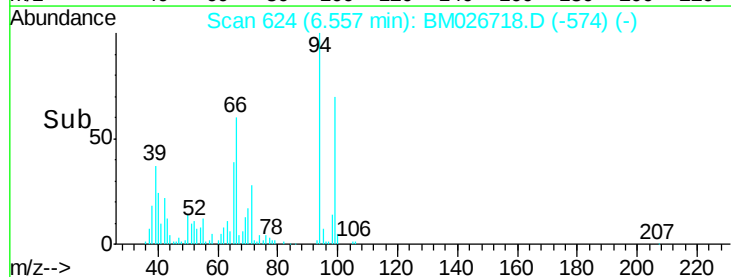
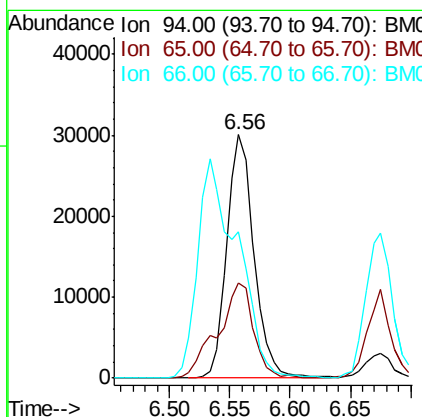
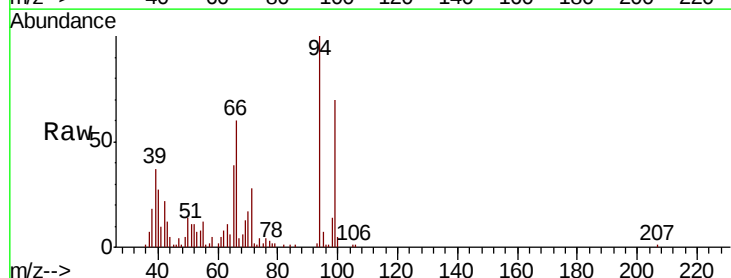
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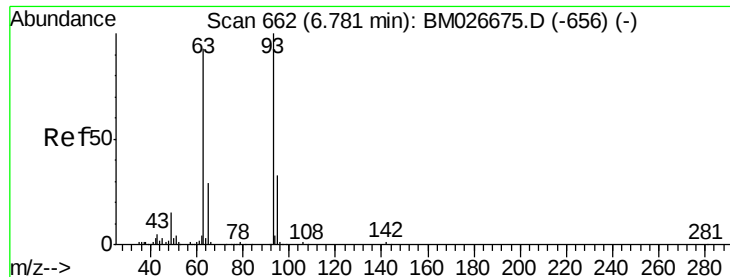
Delta R.T. -0.01 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	94	Resp:	47089
Ion	Ratio	Lower	Upper
94	100		
65	39.1	15.5	55.5
66	60.1	29.8	69.8





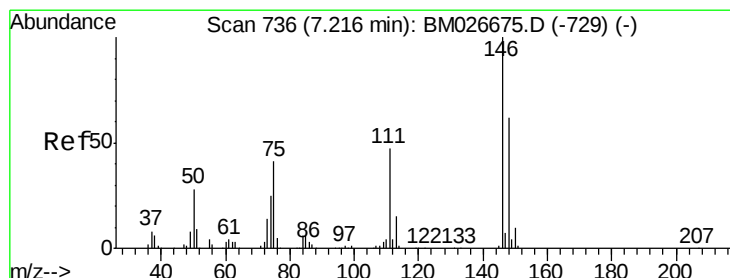
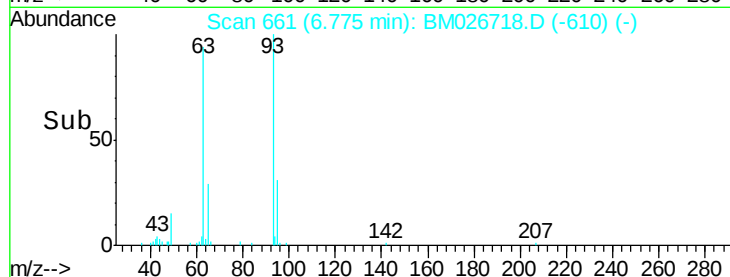
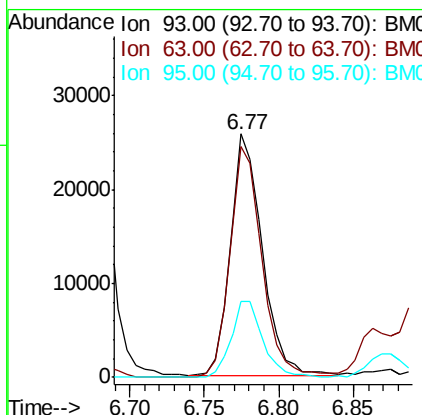
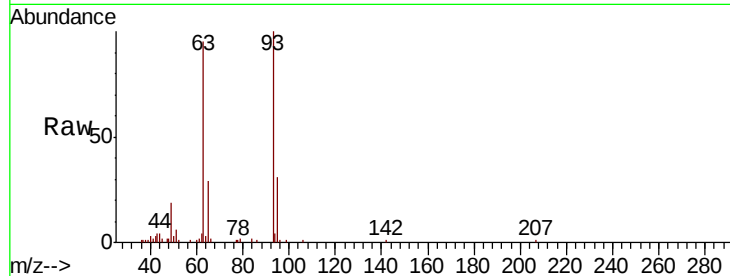
#11
bis(2-Chloroethyl)ether
Concen: 8.299 ng
RT: 6.77 min Scan# 661
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	94.9	72.6	112.6
95	31.4	12.3	52.3

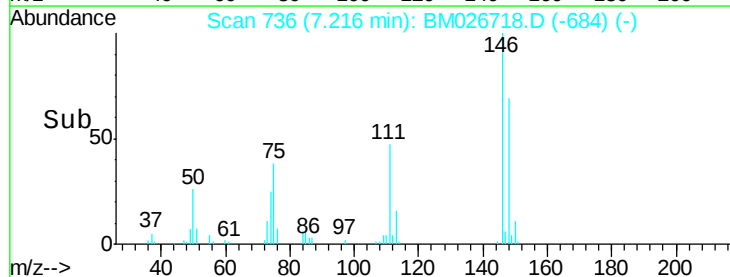
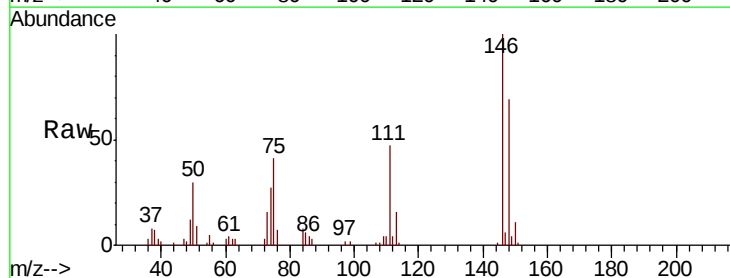
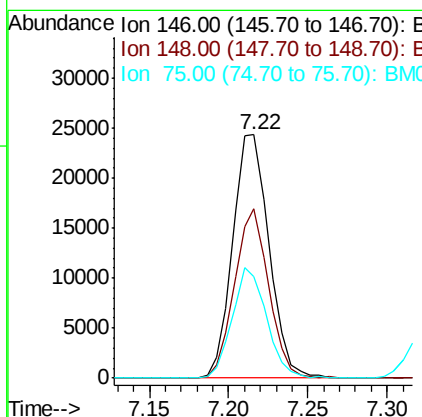
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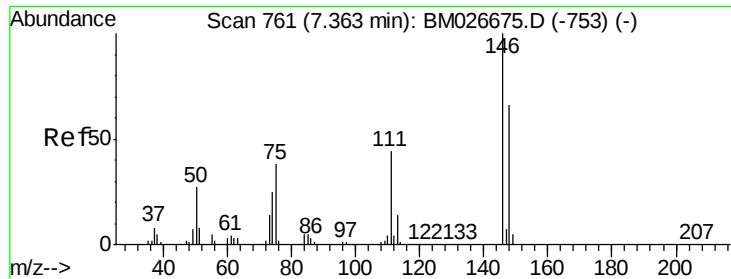
mohammad
7/10/2020 11:51:29 AM



#12
1,3-Dichlorobenzene
Concen: 8.485 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.4	49.7	74.5
75	41.5	32.7	49.1





#13

1,4-Dichlorobenzene

Concen: 8.870 ng

RT: 7.36 min Scan# 760

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

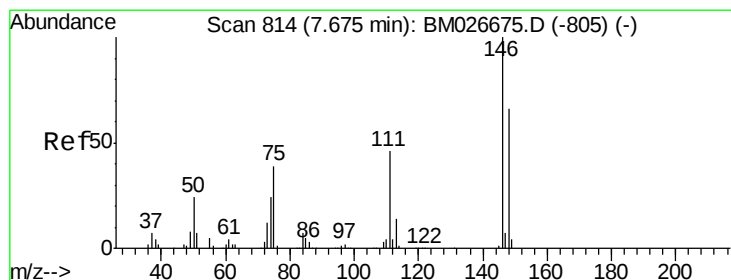
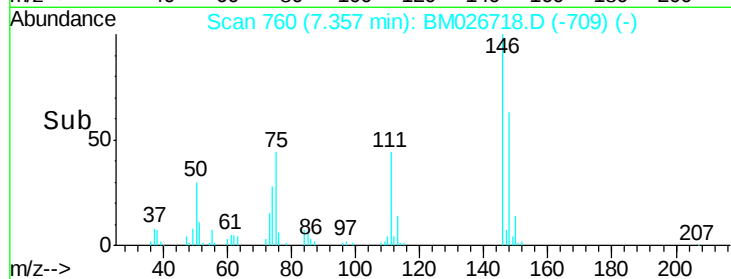
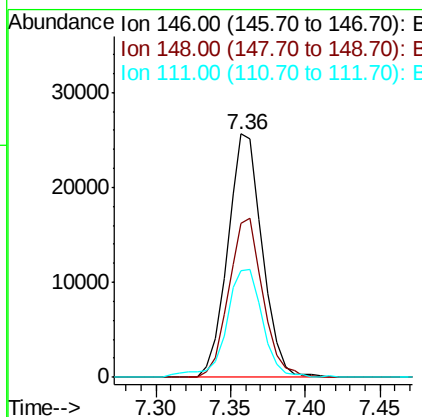
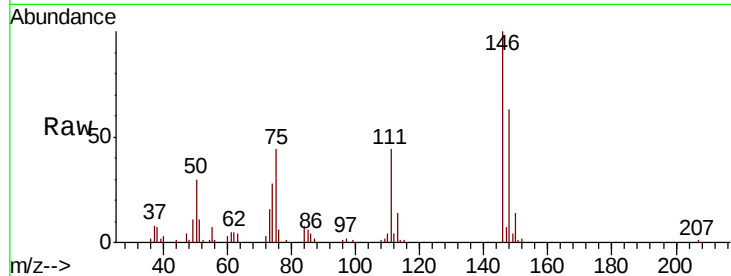
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	146	Resp:	41266
Ion Ratio	Lower	Upper	
146	100		
148	63.4	52.4	78.6
111	43.7	35.6	53.4

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#14

1,2-Dichlorobenzene

Concen: 8.635 ng

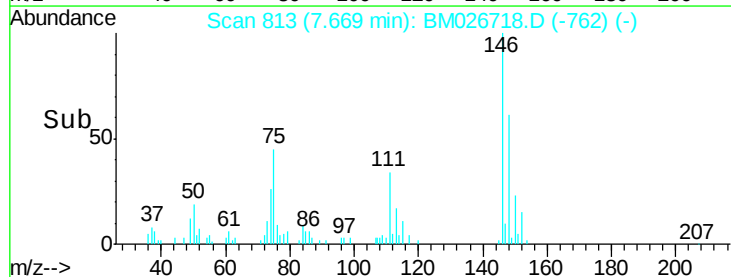
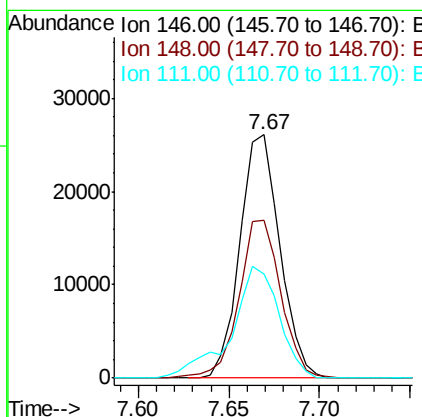
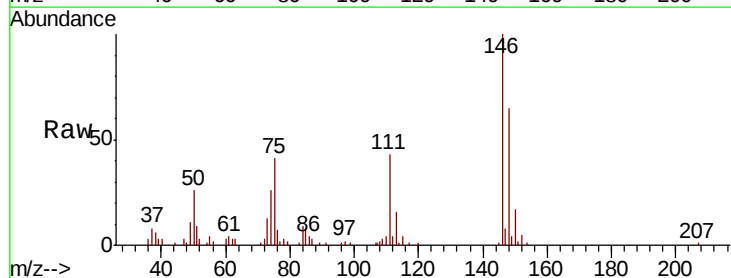
RT: 7.67 min Scan# 813

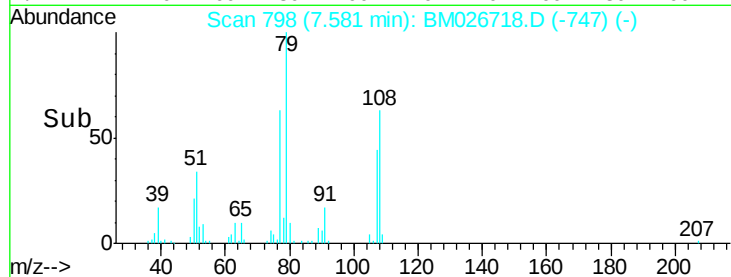
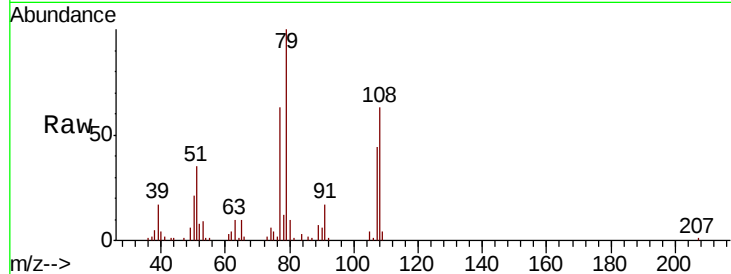
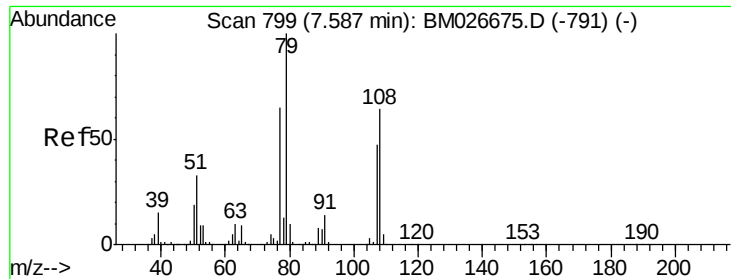
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	146	Resp:	40020
Ion Ratio	Lower	Upper	
146	100		
148	64.7	52.6	78.8
111	42.9	37.2	55.8





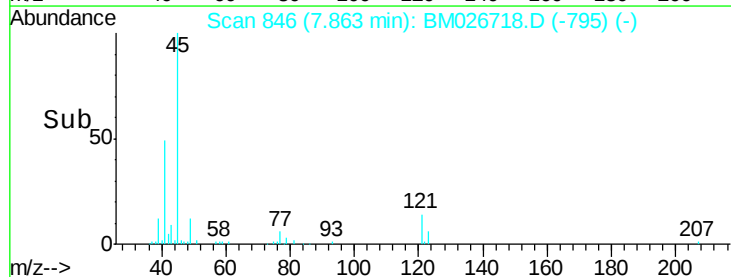
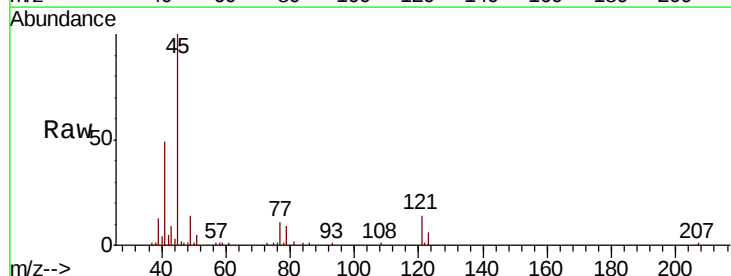
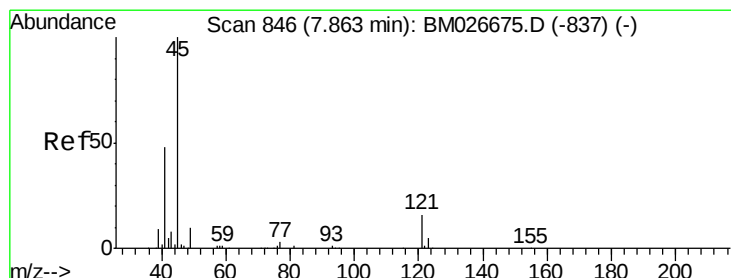
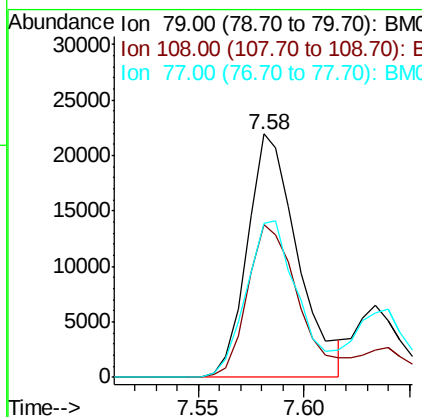
#15
Benzyl Alcohol
Concen: 7.546 ng
RT: 7.58 min Scan# 798
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tot Ion	Ratio	Lower	Upper
79	100		
108	62.9	51.0	76.4
77	63.2	52.1	78.1

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

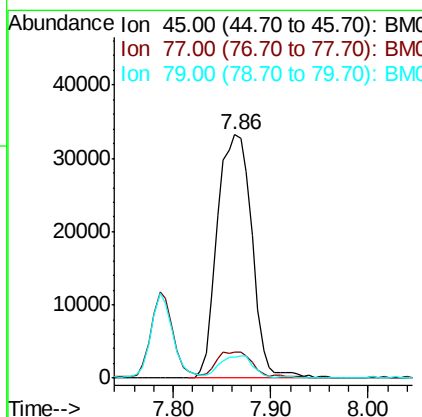
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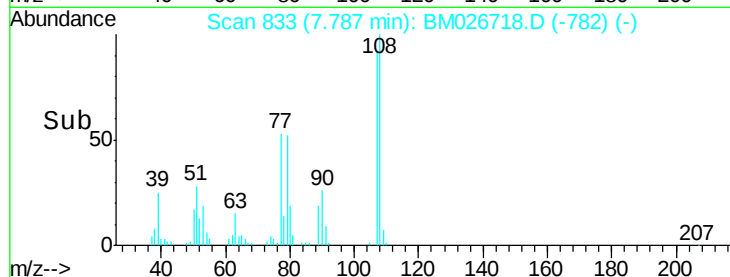
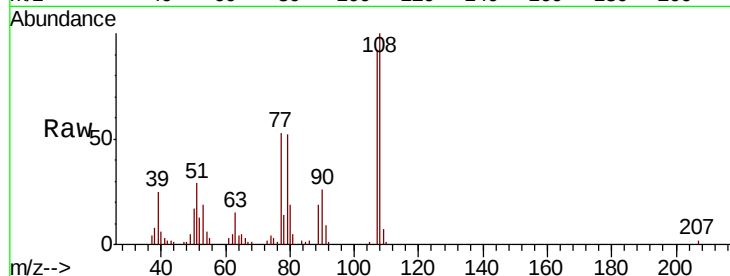
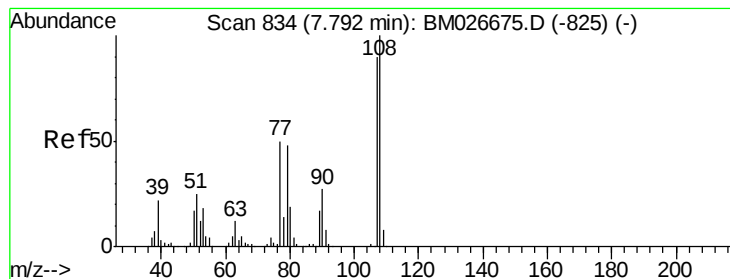
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.509 ng
RT: 7.86 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	31.4
79	8.6	0.0	28.4





#17

2-Methylphenol

Concen: 7.429 ng

RT: 7.79 min Scan# 833

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tot Ion	107	Resp	31383
Ion Ratio	Lower	Upper	
107	100		
108	108.7	89.4	134.0
77	58.0	45.2	67.8
79	56.8	42.8	64.2

Instrument :

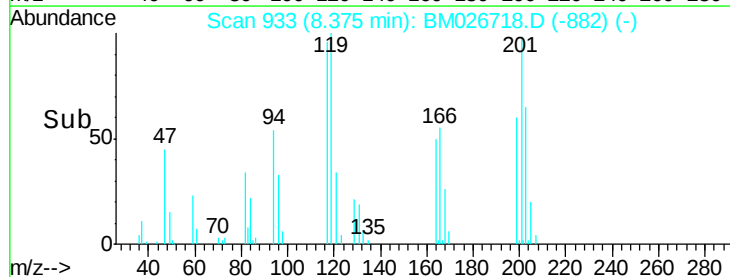
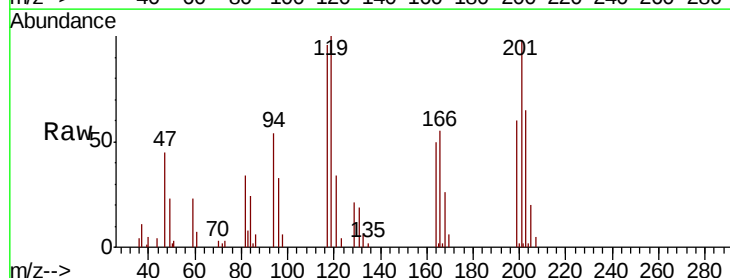
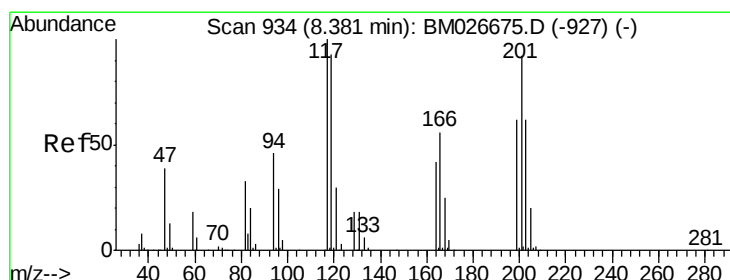
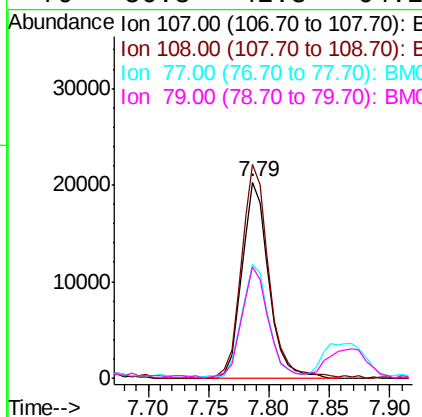
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

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#18

Hexachloroethane

Concen: 8.372 ng

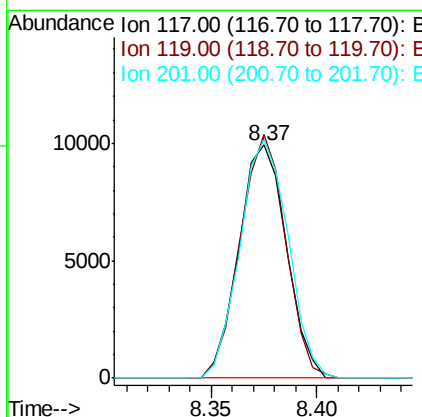
RT: 8.37 min Scan# 933

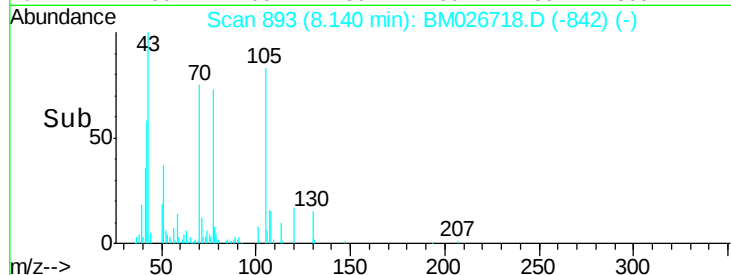
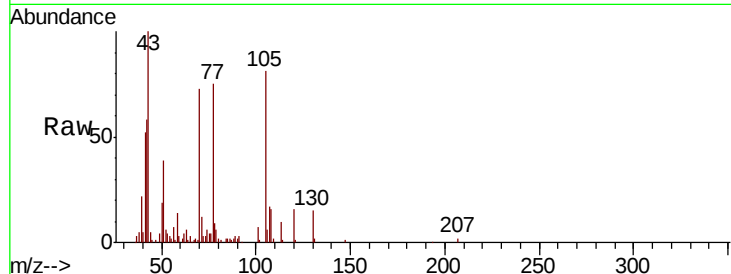
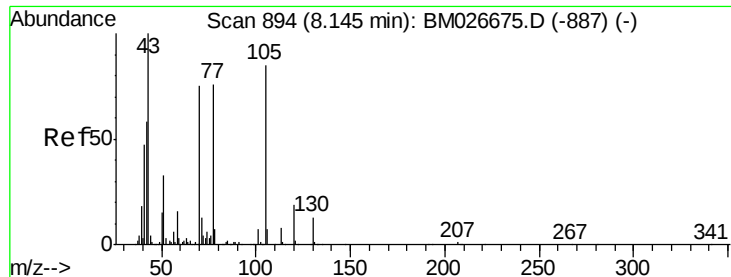
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion	117	Resp	15469
Ion Ratio	Lower	Upper	
117	100		
119	104.6	74.2	111.2
201	102.3	73.6	110.4





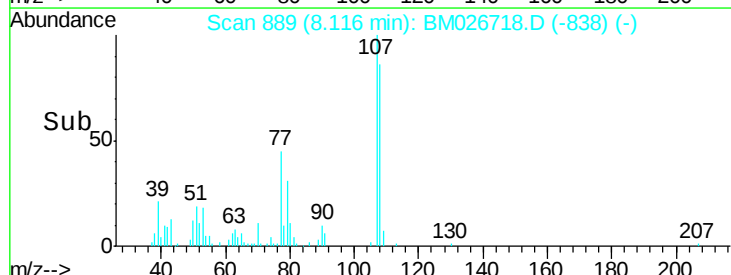
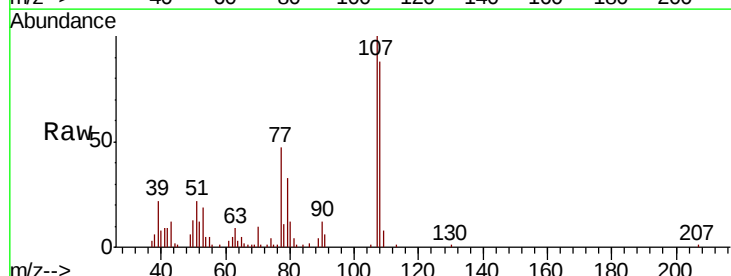
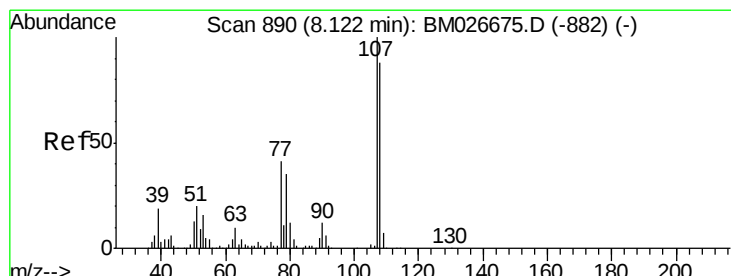
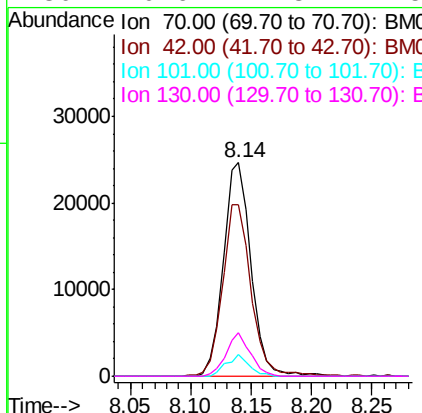
#19
n-Nitroso-di-n-propylamine
Concen: 8.302 ng
RT: 8.14 min Scan# 893
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	80.3	62.3	93.5
101	10.1	7.1	10.7
130	20.6	14.3	21.5

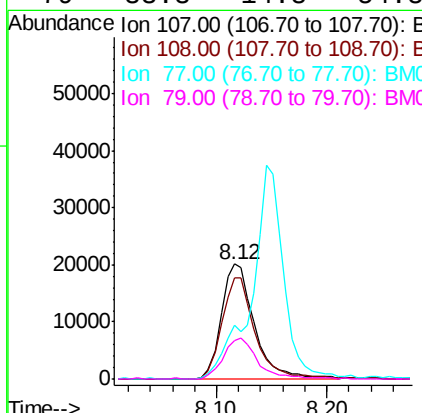
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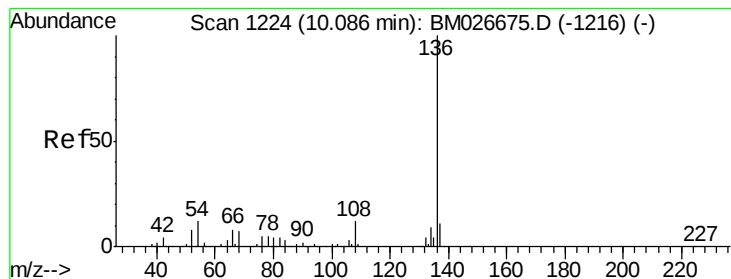
mohammad
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#20
3+4-Methylphenols
Concen: 7.234 ng
RT: 8.12 min Scan# 889
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.5	108.5
77	47.0	20.8	60.8
79	33.3	14.8	54.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.08 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

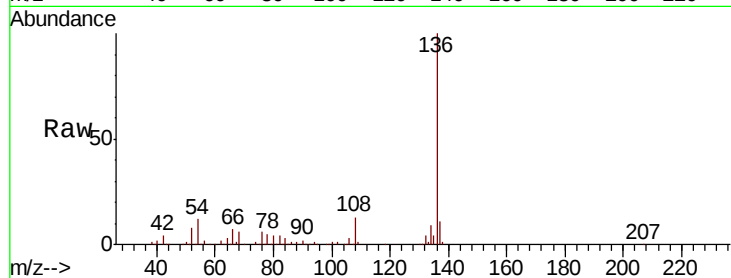
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100	259944		
137	11.2	8.6	12.8	
54	11.8	9.8	14.6	
68	6.0	5.8	8.6	

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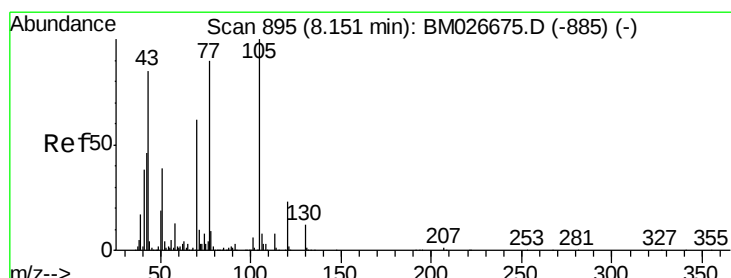
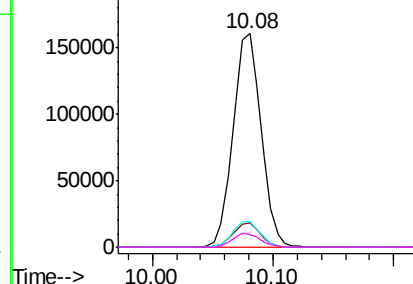
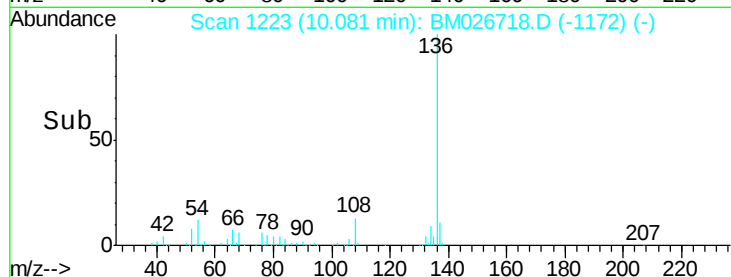
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 8.945 ng

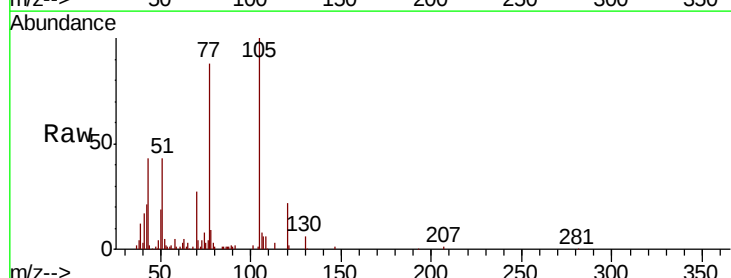
RT: 8.15 min Scan# 895

Delta R.T. 0.01 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	66072		
71	4.0	8.1	12.1#	
51	43.4	31.9	47.9	
120	22.0	18.0	27.0	



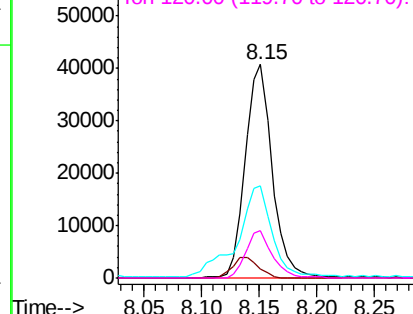
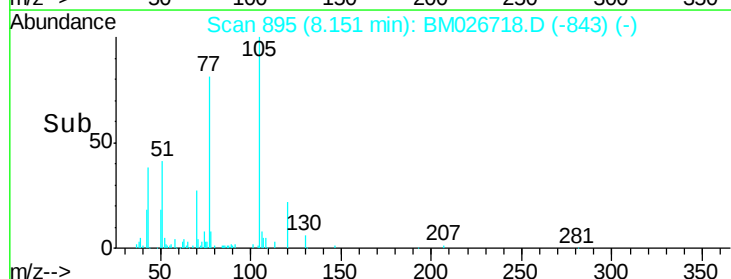
Abundance

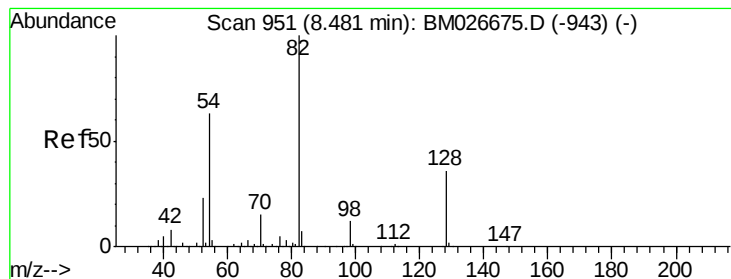
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 74.374 ng

RT: 8.47 min Scan# 950

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

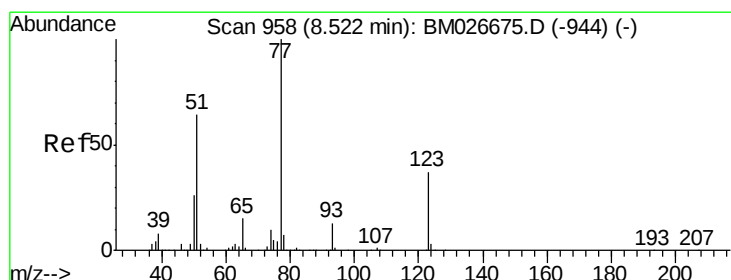
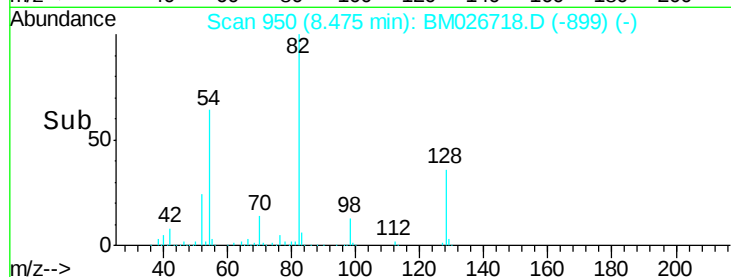
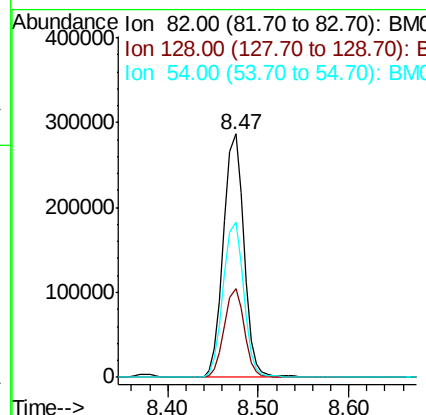
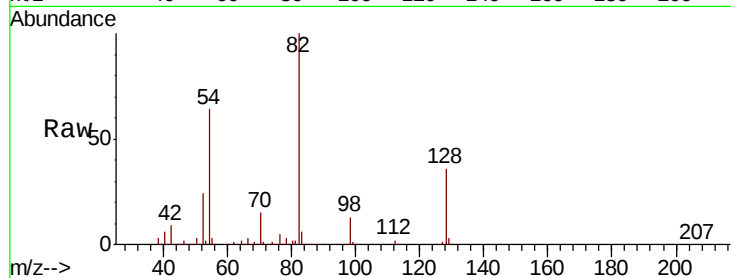
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	82	Resp:	453155
Ion Ratio	Lower	Upper	
82	100		
128	36.4	29.1	43.7
54	63.7	50.2	75.4

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#24

Nitrobenzene

Concen: 8.846 ng

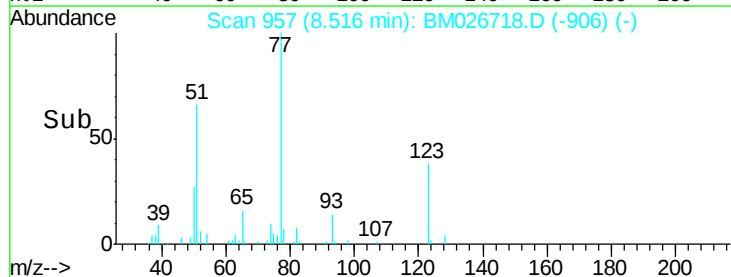
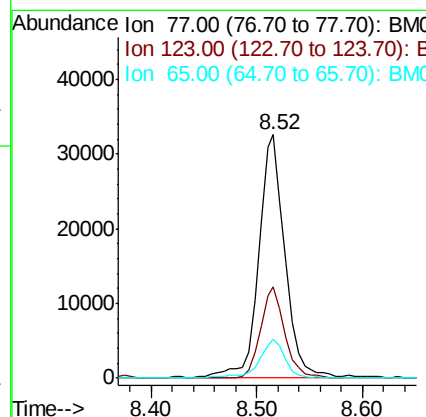
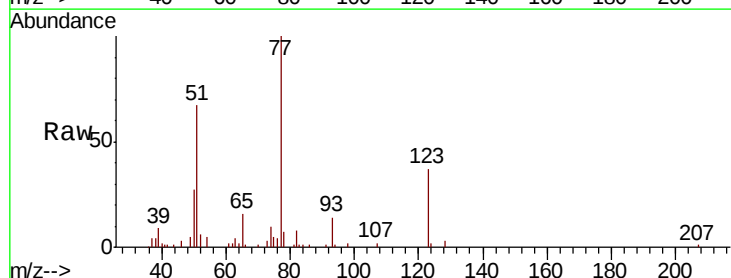
RT: 8.52 min Scan# 957

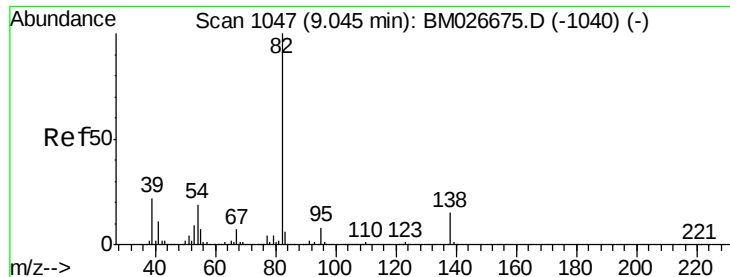
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	77	Resp:	56703
Ion Ratio	Lower	Upper	
77	100		
123	37.3	29.8	44.6
65	16.0	12.2	18.4





#25

Isophorone

Concen: 8.219 ng

RT: 9.04 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

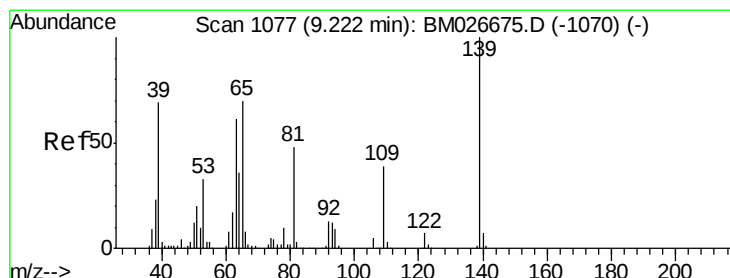
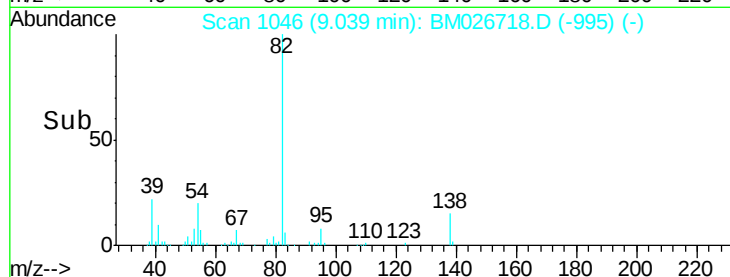
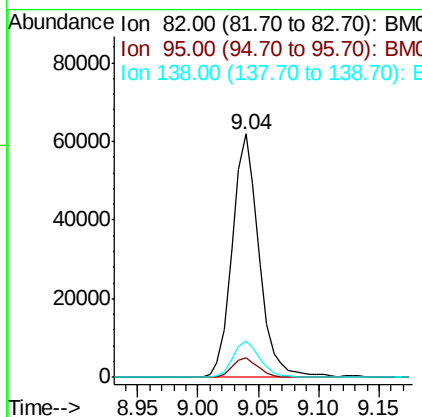
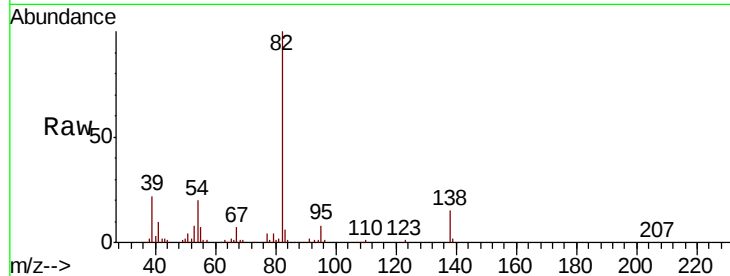
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	82	Resp:	96035
Ion Ratio	Lower	Upper	
82	100		
95	8.0	6.3	9.5
138	14.8	12.0	18.0

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#26

2-Nitrophenol

Concen: 7.442 ng

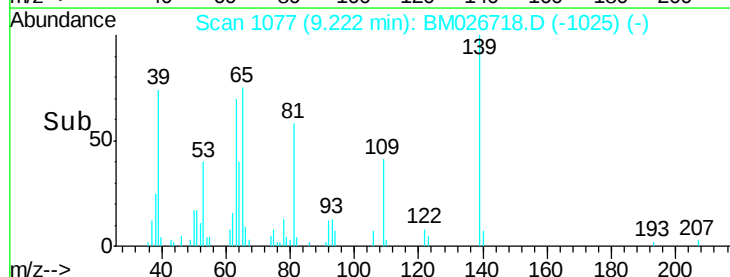
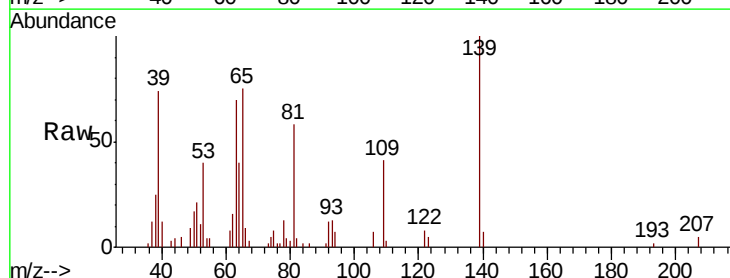
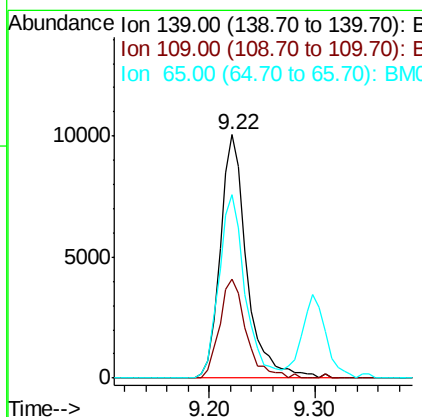
RT: 9.22 min Scan# 1077

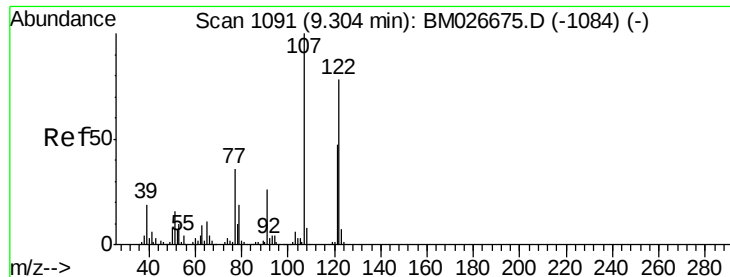
Delta R.T. 0.01 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	139	Resp:	17607
Ion Ratio	Lower	Upper	
139	100		
109	40.7	30.8	46.2
65	75.5	56.2	84.4





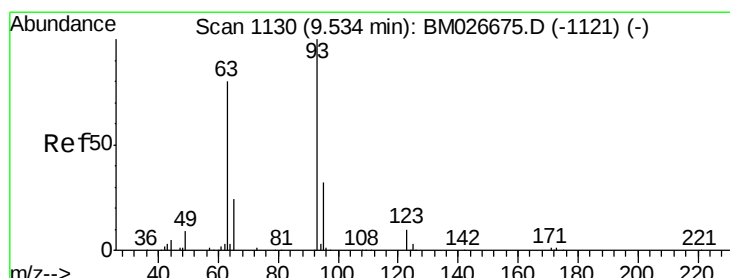
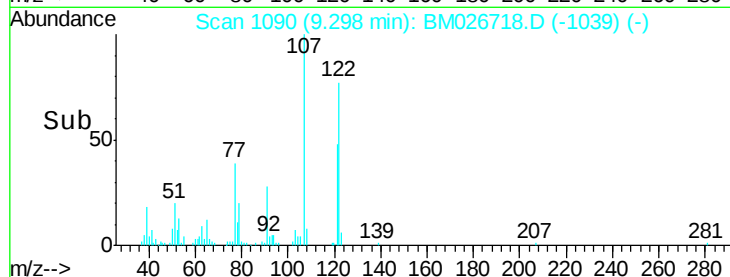
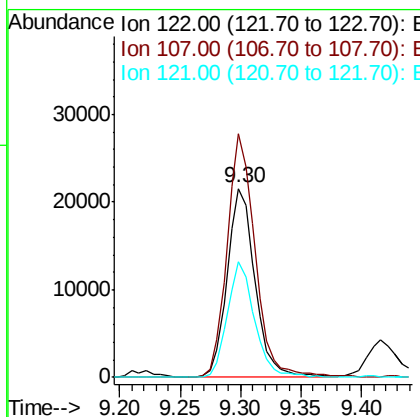
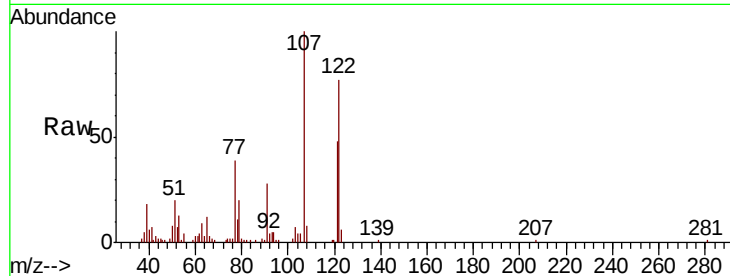
#27
2,4-Dimethylphenol
Concen: 9.050 ng
RT: 9.30 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	129.0	102.1	153.1		
121	61.3	48.2	72.2		

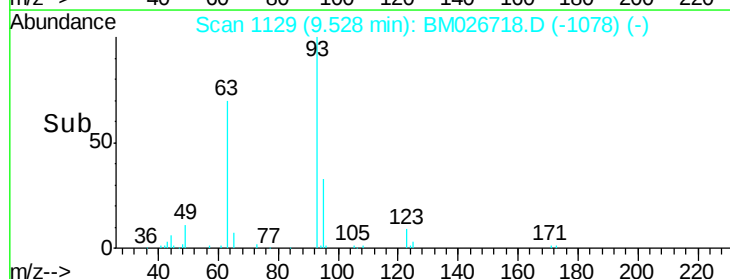
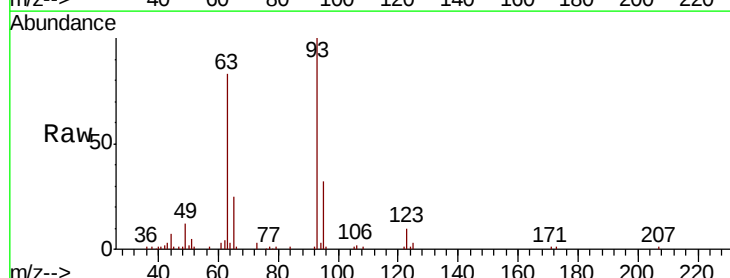
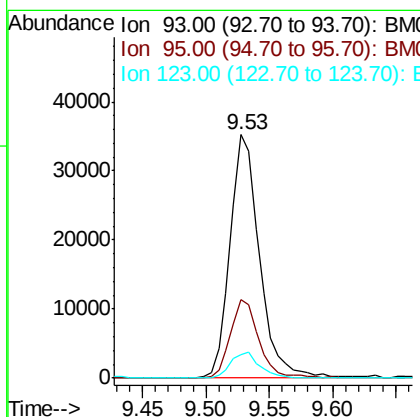
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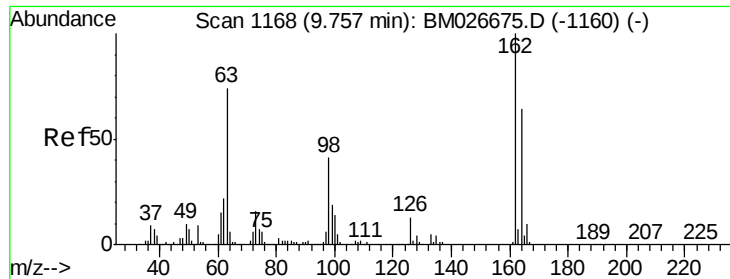
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 8.779 ng
RT: 9.53 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	32.1	25.7	38.5		
123	9.5	8.7	13.1		





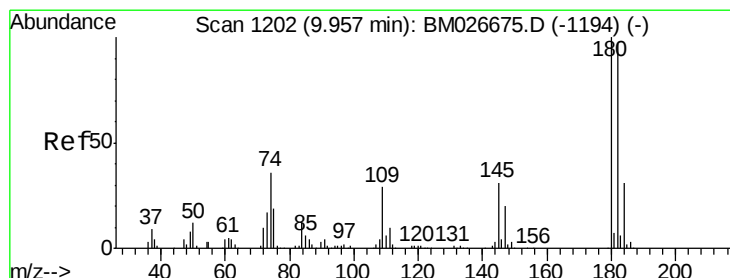
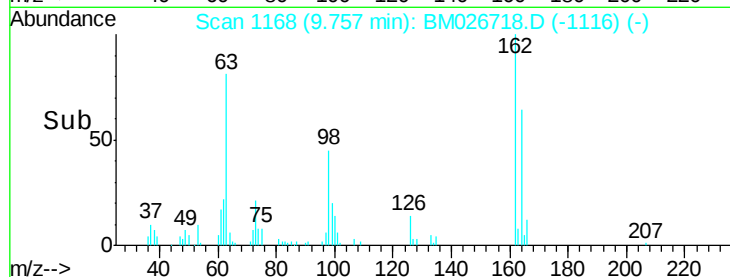
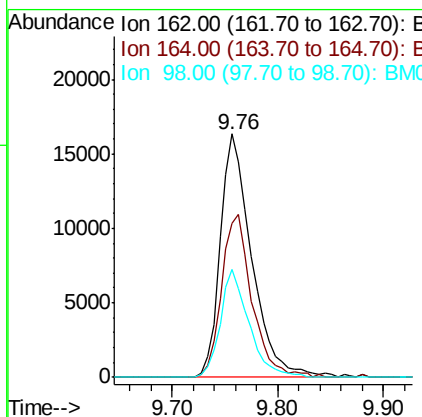
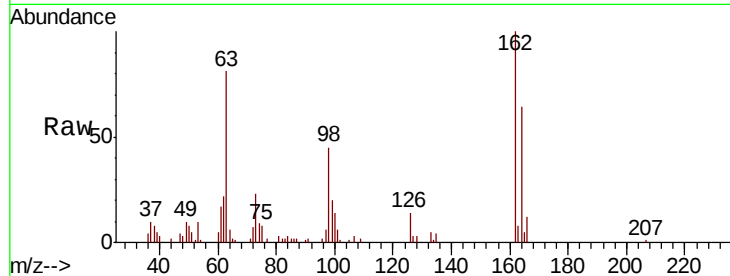
#29
 2,4-Dichlorophenol
 Concen: 7.977 ng
 RT: 9.76 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Resp	Lower	Upper
162	100	33797		
164	63.5	44.3	84.3	
98	44.6	21.0	61.0	

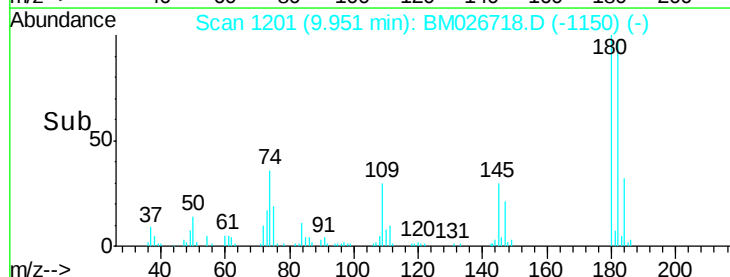
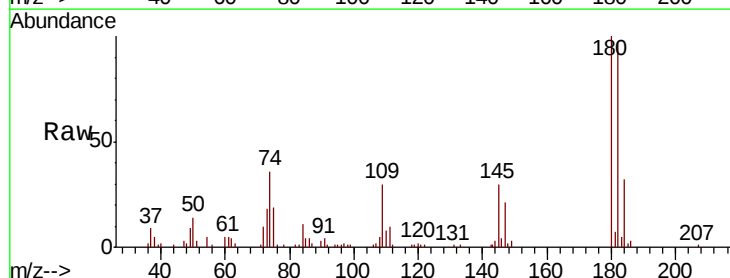
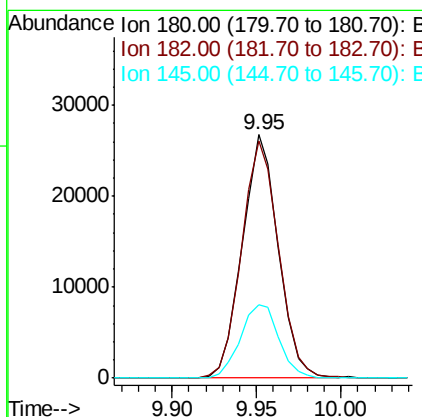
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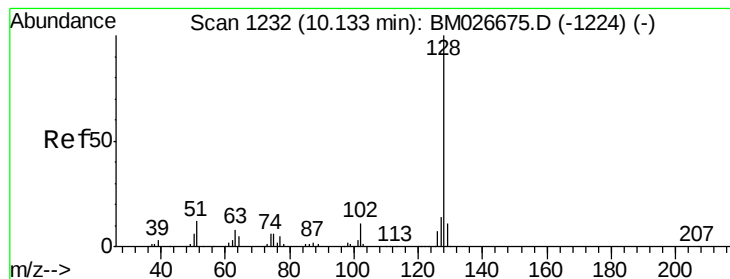
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 8.395 ng
 RT: 9.95 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	39676		
182	97.4	77.8	116.6	
145	30.3	25.0	37.6	





#31

Naphthalene

Concen: 8.652 ng

RT: 10.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

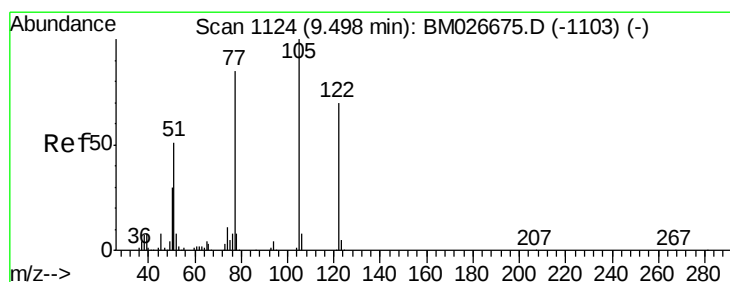
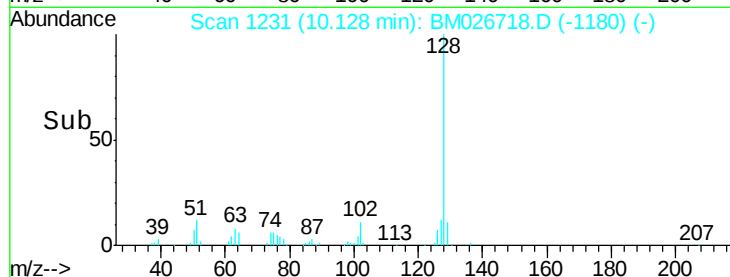
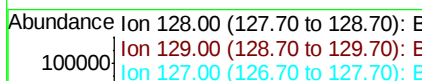
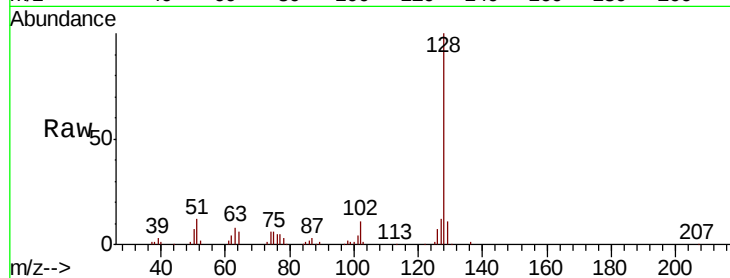
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	128	Resp:	125090
Ion Ratio		Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.3	10.8	16.2

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#32

Benzoic acid

Concen: 9.085 ng

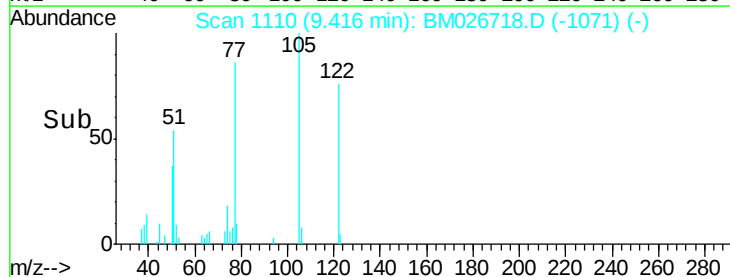
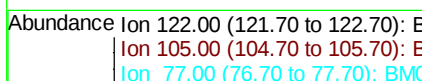
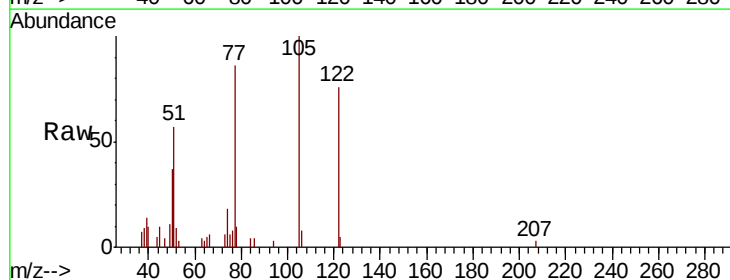
RT: 9.42 min Scan# 1110

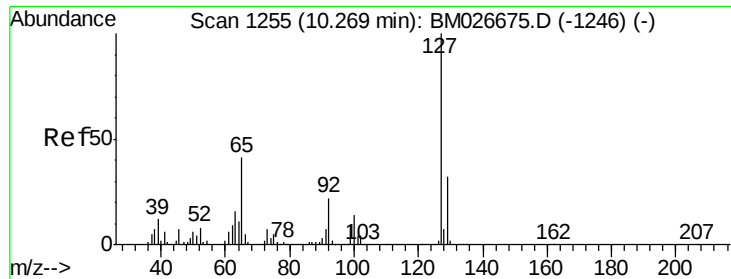
Delta R.T. -0.07 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	122	Resp:	7781
Ion Ratio		Lower	Upper
122	100		
105	131.8	120.9	160.9
77	113.4	100.0	140.0





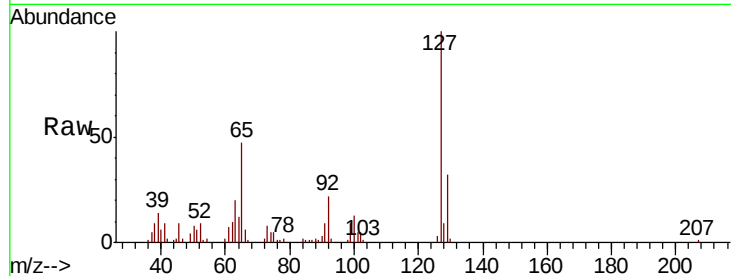
#33
4-Chloroaniline
Concen: 7.637 ng
RT: 10.26 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

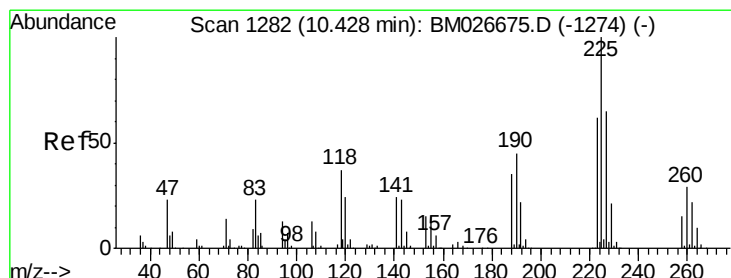
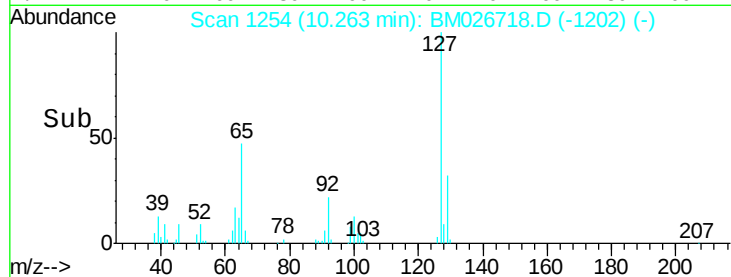
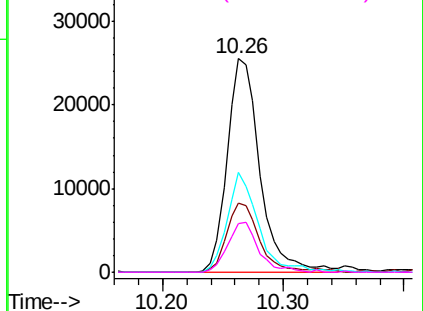
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	25.8	38.6		
65	46.9	32.5	48.7		
92	22.5	17.8	26.8		

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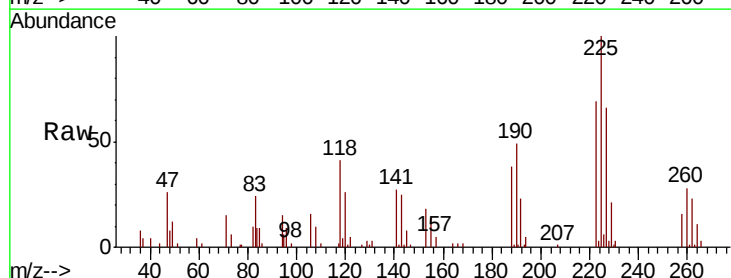


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

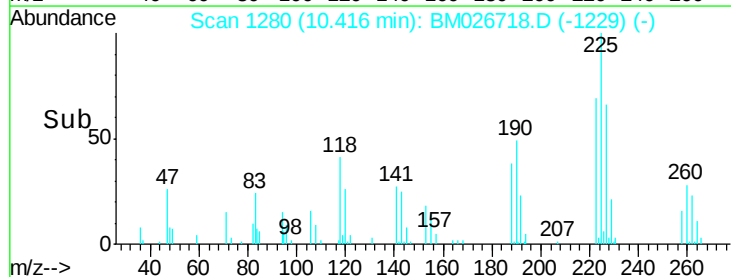
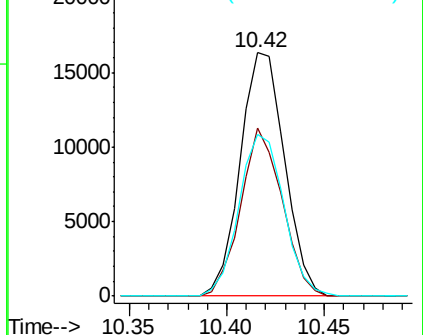


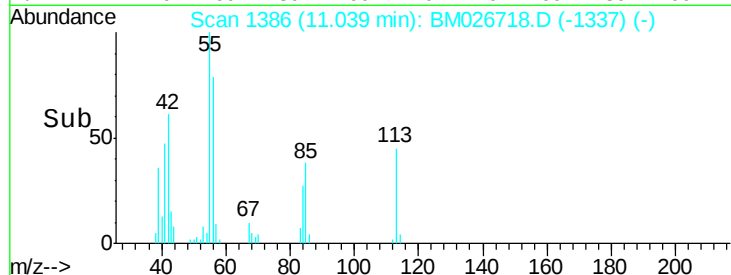
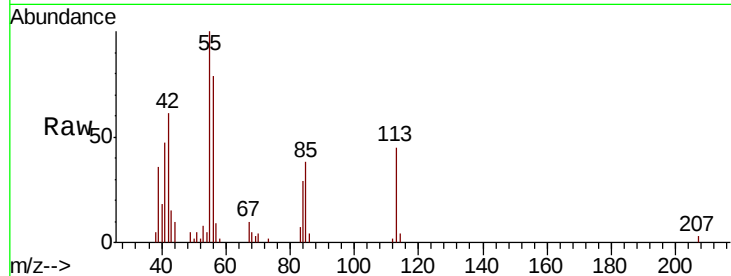
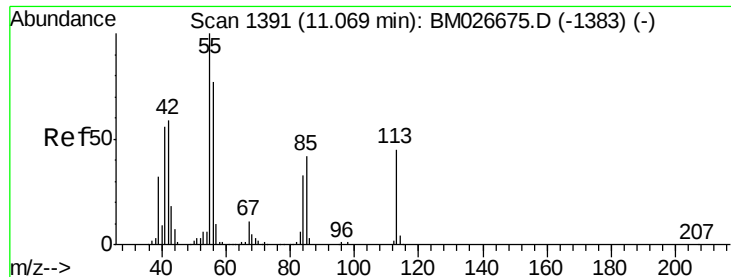
#34
Hexachlorobutadiene
Concen: 8.214 ng
RT: 10.42 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	71.5	49.8	74.8		
227	66.2	52.3	78.5		



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





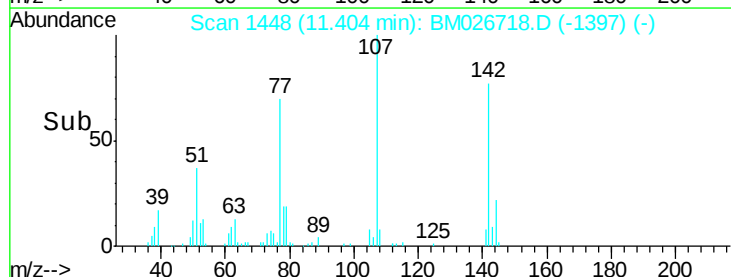
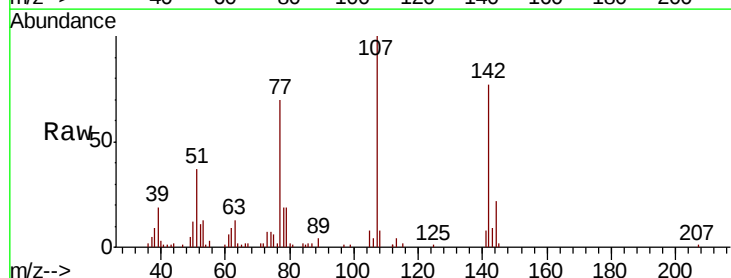
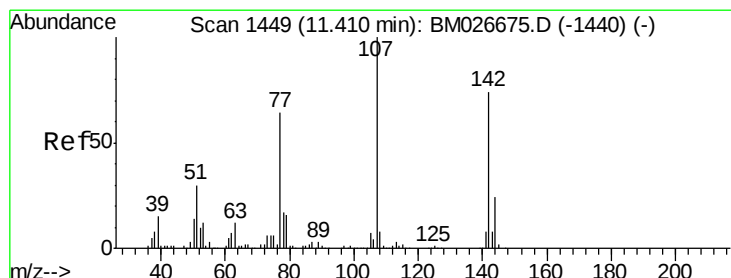
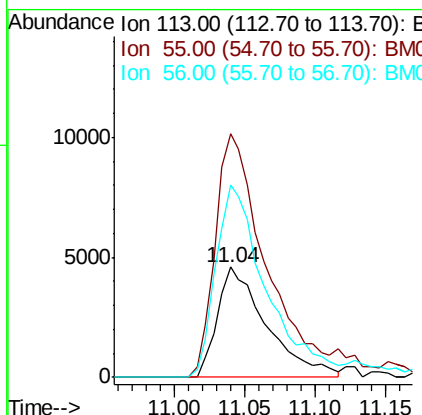
#35
Caprolactam
Concen: 7.416 ng
RT: 11.04 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	221.1	203.5	243.5	
56	174.2	151.6	191.6	

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

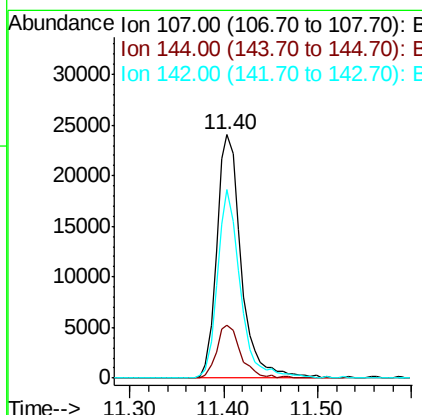
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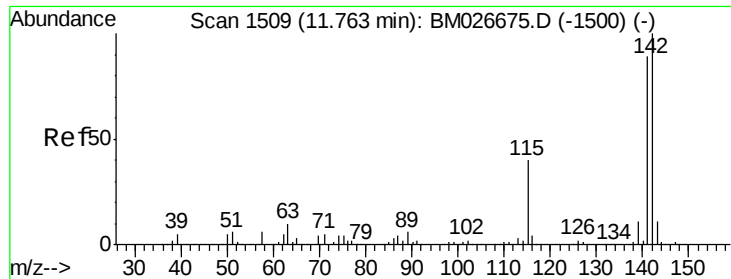
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 8.157 ng
RT: 11.40 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	21.8	18.9	28.3	
142	77.3	59.0	88.4	





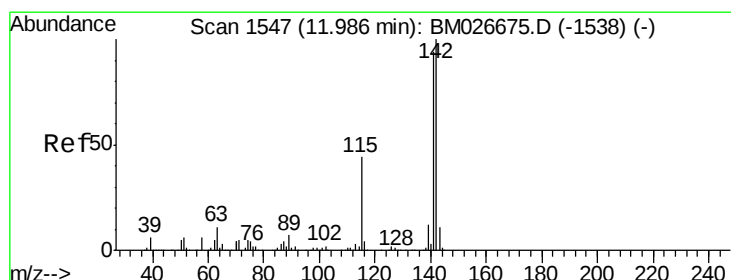
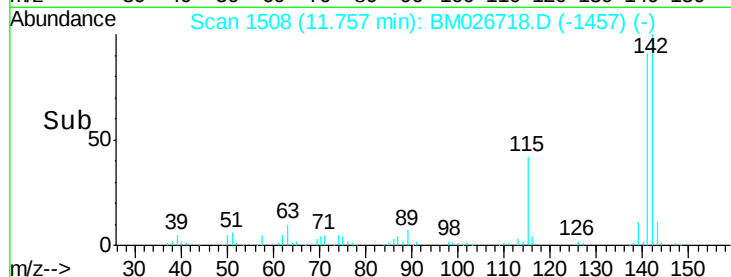
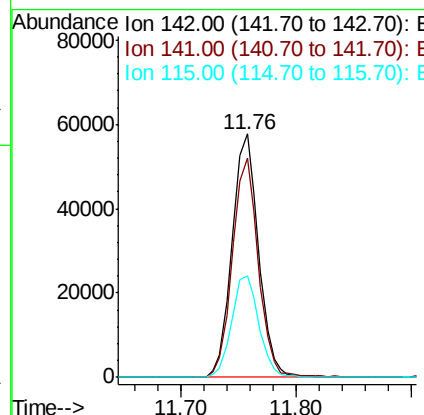
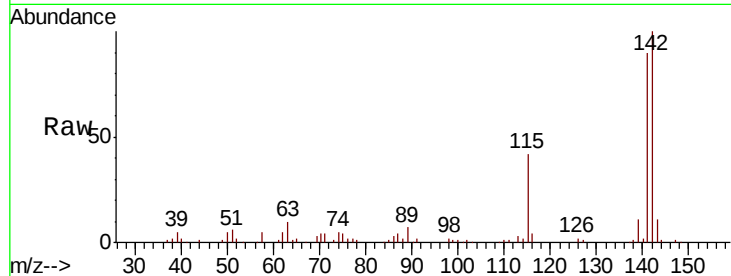
#37
2-Methylnaphthalene
Concen: 8.567 ng
RT: 11.76 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.4	107.0
115	41.9	32.1	48.1

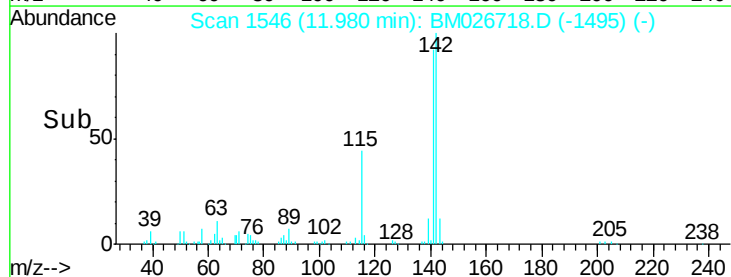
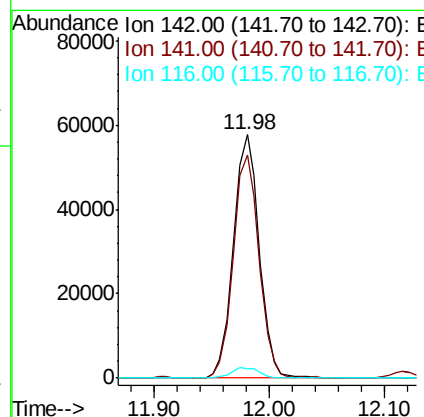
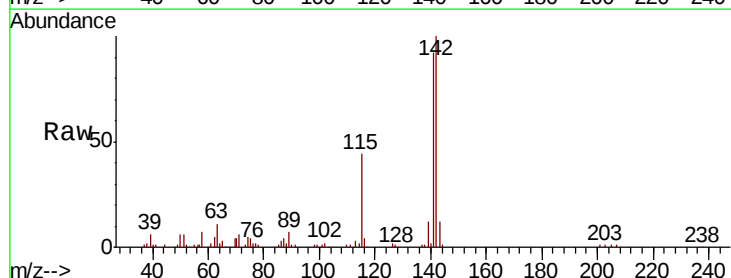
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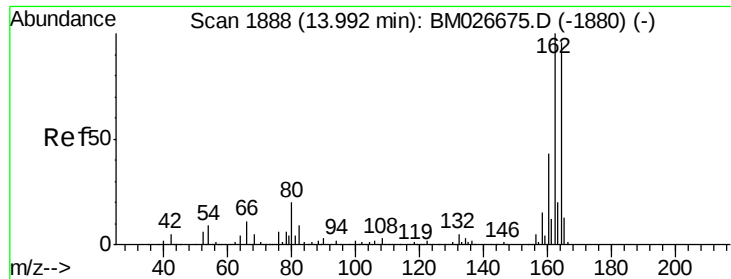
mohammad
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#38
1-Methylnaphthalene
Concen: 8.699 ng
RT: 11.98 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	75.0	112.6
116	3.9	3.5	5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

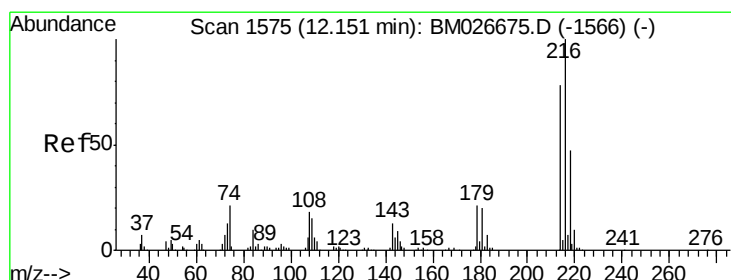
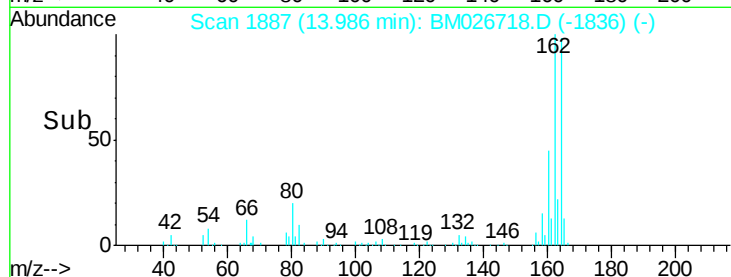
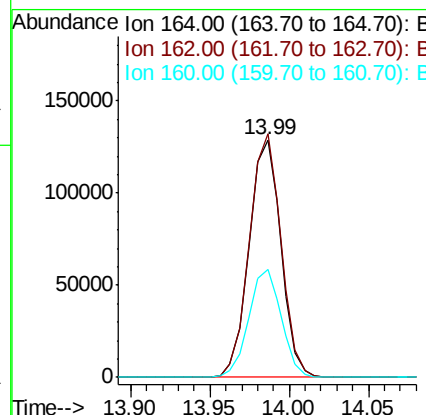
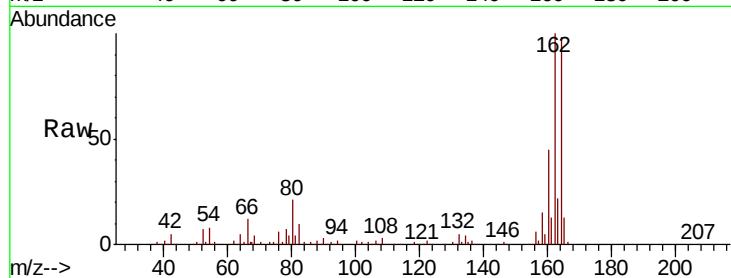
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	164	Resp:	179467
Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.7	125.5
160	45.6	36.2	54.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.772 ng

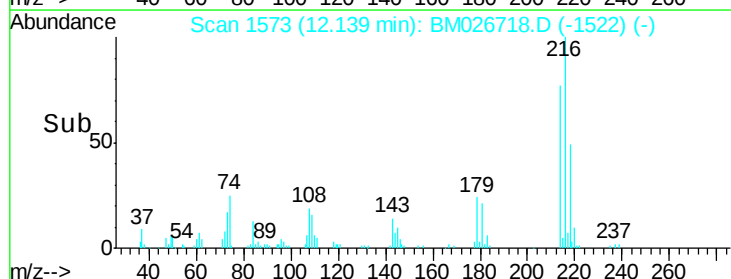
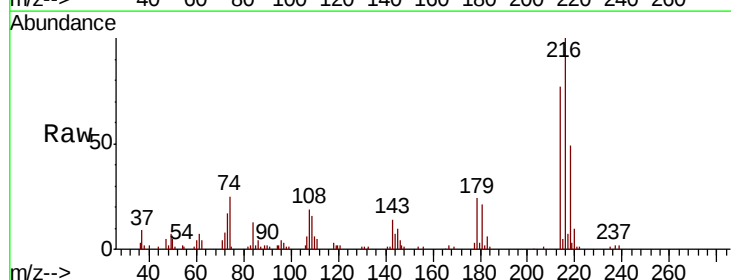
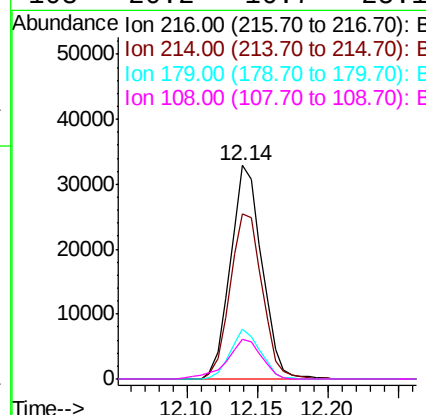
RT: 12.14 min Scan# 1573

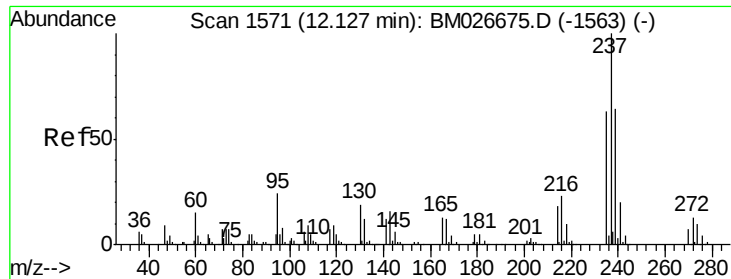
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	216	Resp:	50891
Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.6	93.8
179	22.1	17.5	26.3
108	20.2	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 10.912 ng

RT: 12.12 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

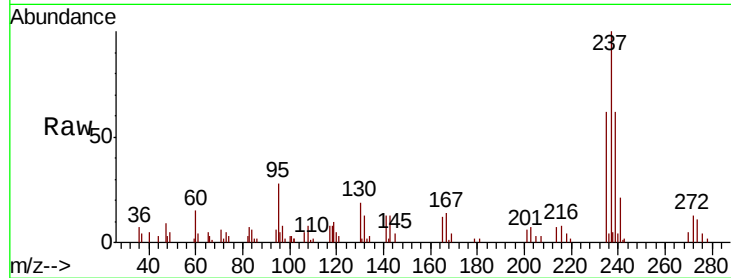
ClientSampleId :

LOQ-SOIL-02-QT3-2020

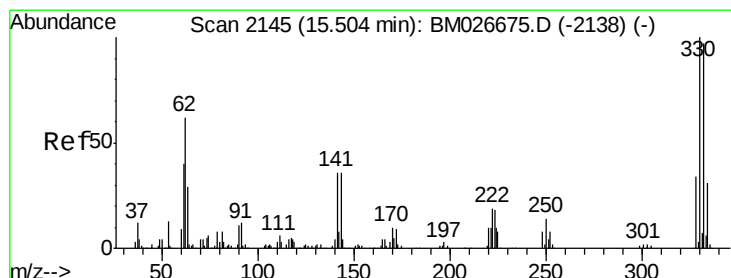
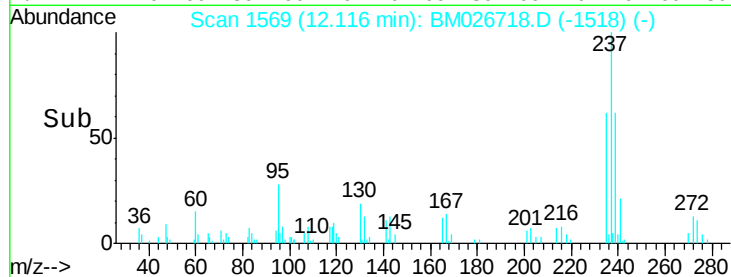
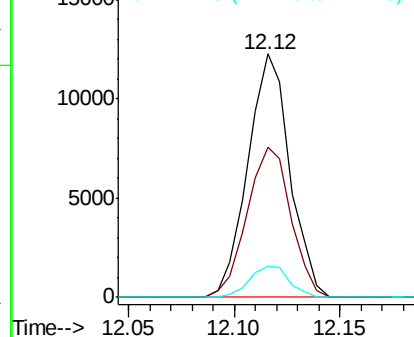
Tot Ion:	237	Resp:	16903
Ion Ratio	Lower	Upper	
237	100		
235	61.8	42.8	82.8
272	12.8	0.0	32.8

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 103.524 ng

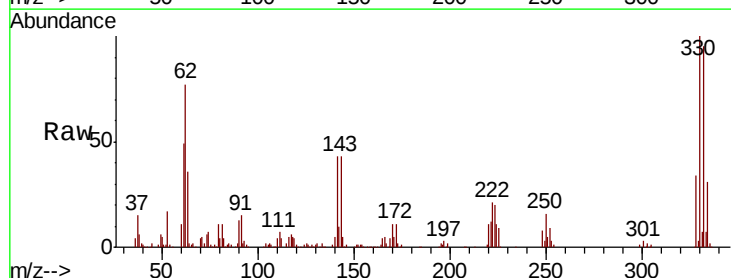
RT: 15.49 min Scan# 2143

Delta R.T. -0.01 min

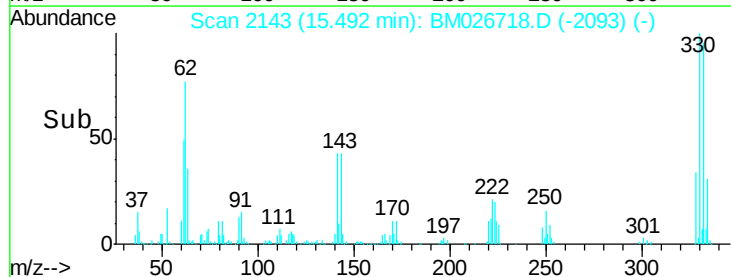
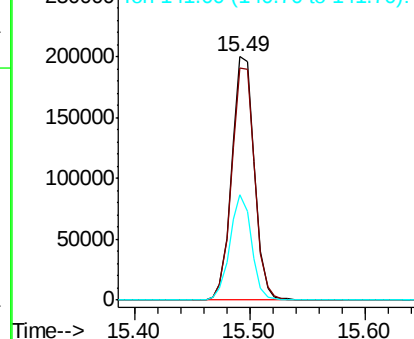
Lab File: BM026718.D

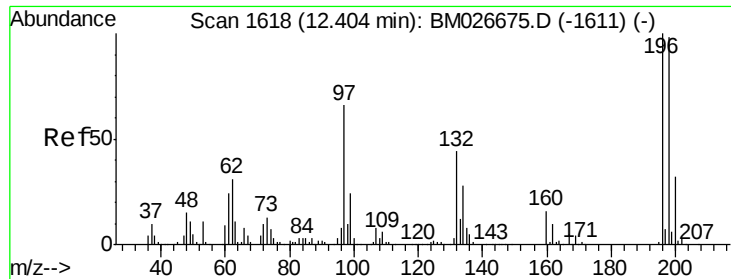
Acq: 09 Jul 2020 14:30

Tgt Ion:	330	Resp:	270642
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.5	116.3
141	41.5	32.4	48.6



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





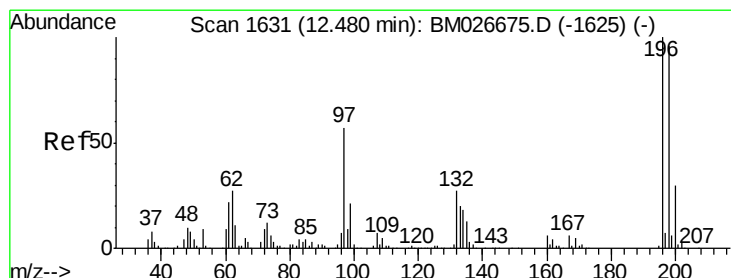
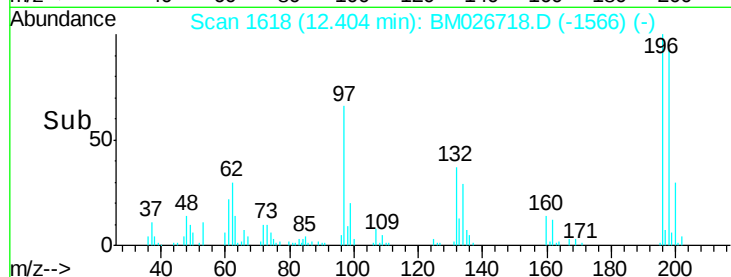
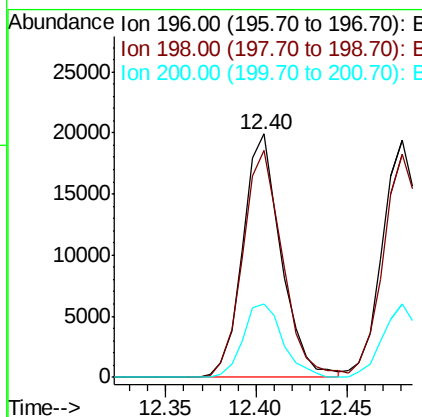
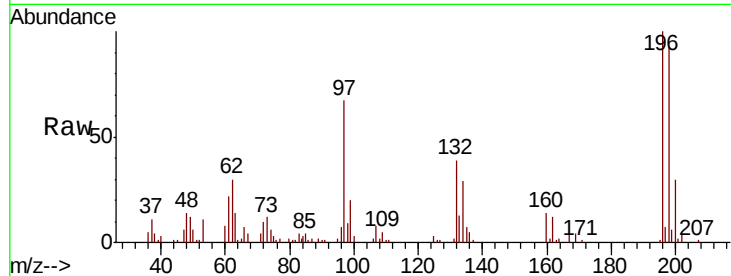
#43
 2,4,6-Trichlorophenol
 Concen: 7.707 ng
 RT: 12.40 min Scan# 1618
 Delta R.T. 0.01 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	29290		
198	93.0	78.6	118.0	
200	30.2	25.3	37.9	

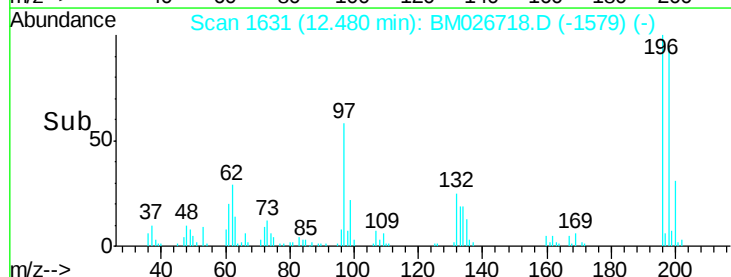
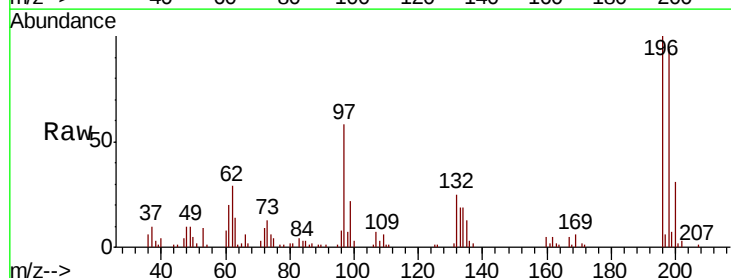
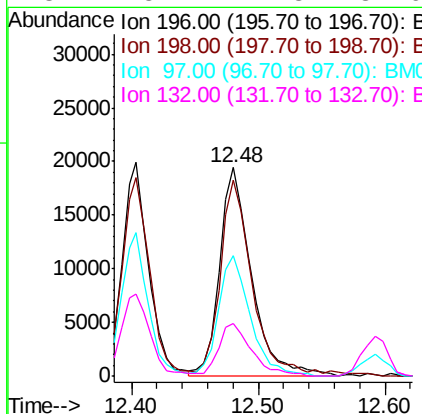
Manual Integrations
 APPROVED

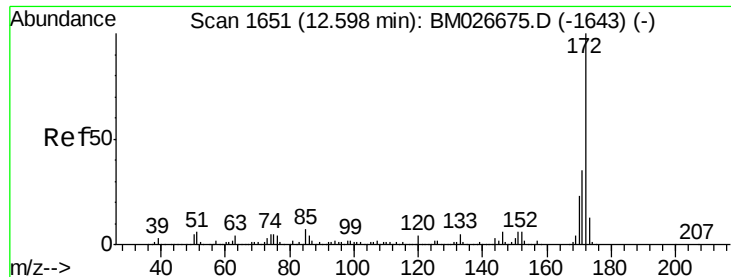
mohammad
 7/10/2020 11:51:29 AM



#44
 2,4,5-Trichlorophenol
 Concen: 7.609 ng
 RT: 12.48 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	33982		
198	93.8	77.0	115.6	
97	57.7	45.7	68.5	
132	25.4	21.8	32.6	





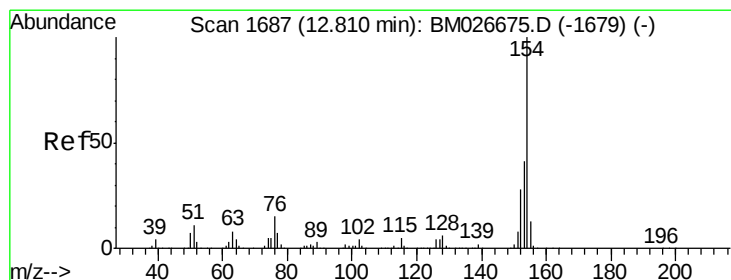
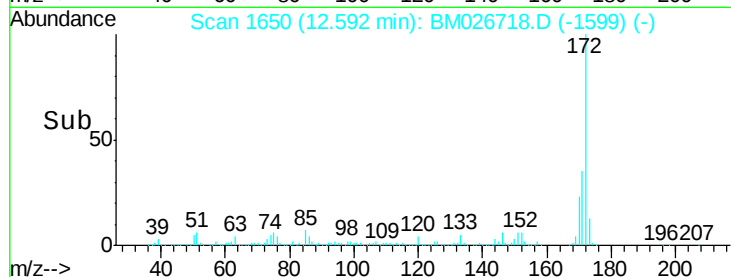
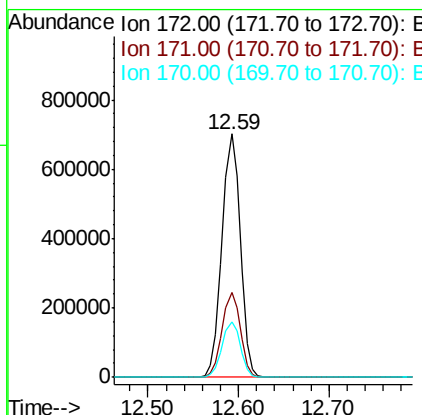
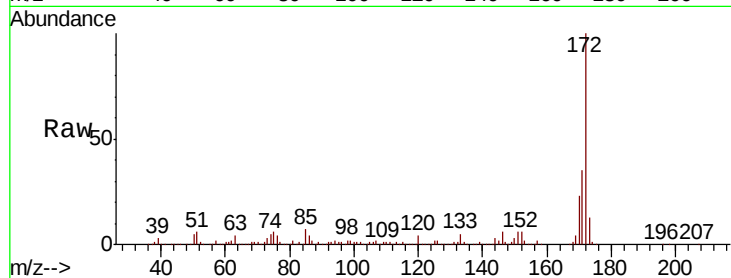
#45
2-Fluorobiphenyl
Concen: 72.932 ng
RT: 12.59 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.0	18.5	27.7

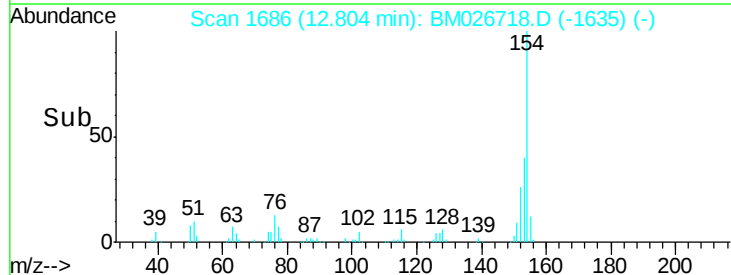
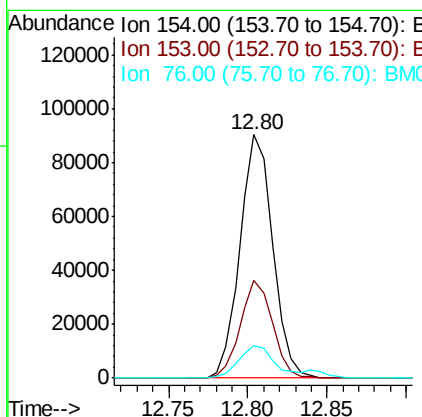
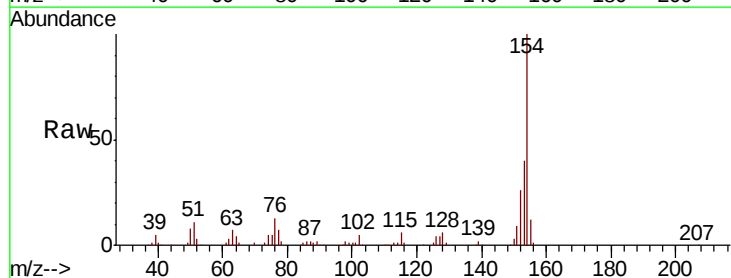
Manual Integrations
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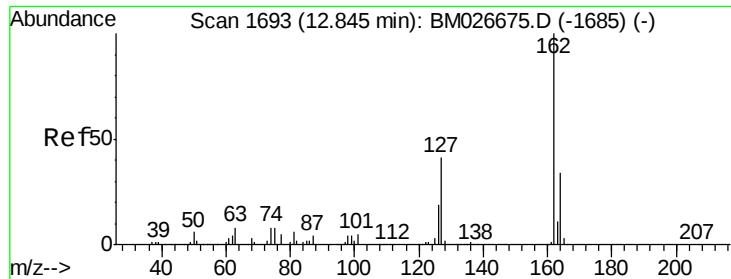
mohammad
7/10/2020 11:51:29 AM



#46
1,1'-Biphenyl
Concen: 9.149 ng
RT: 12.80 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.9	60.9
76	13.3	0.0	35.2





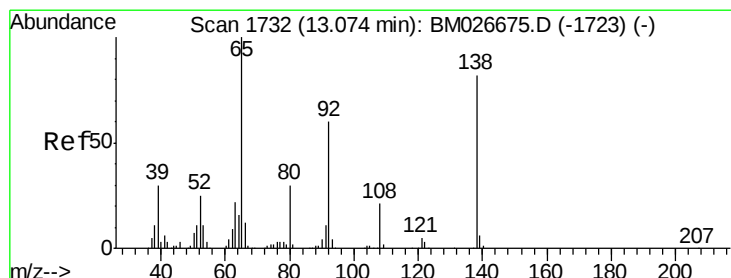
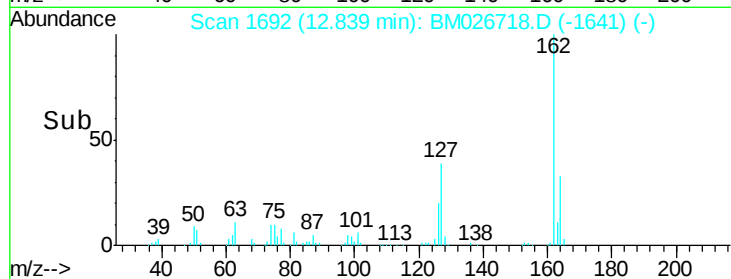
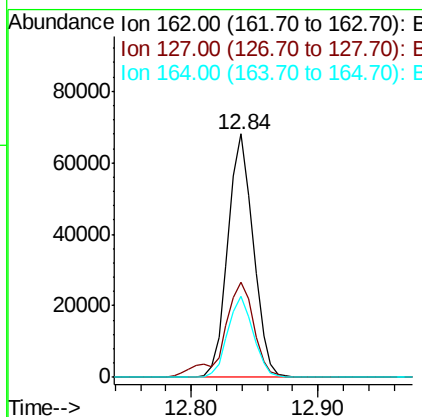
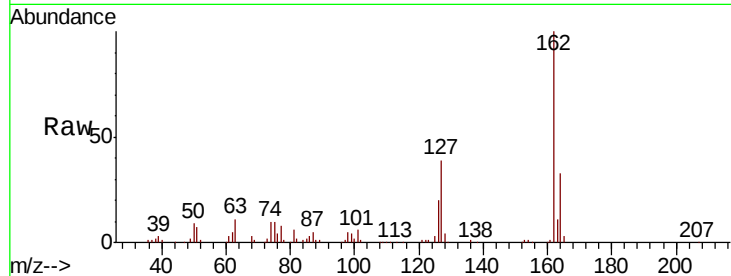
#47
2-Chloronaphthalene
Concen: 8.256 ng
RT: 12.84 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.9	34.0	51.0
164	33.3	26.9	40.3

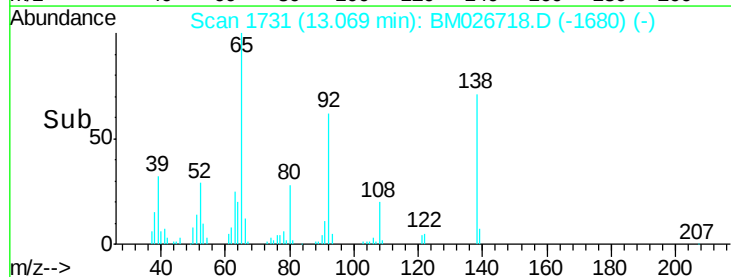
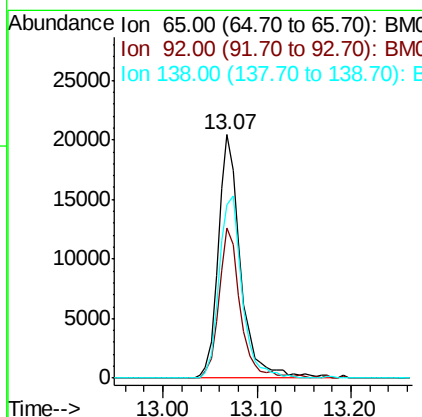
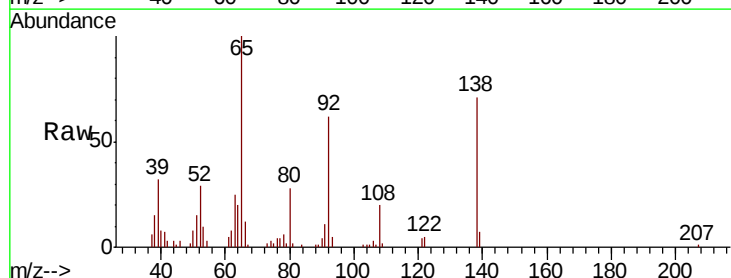
Manual Integrations
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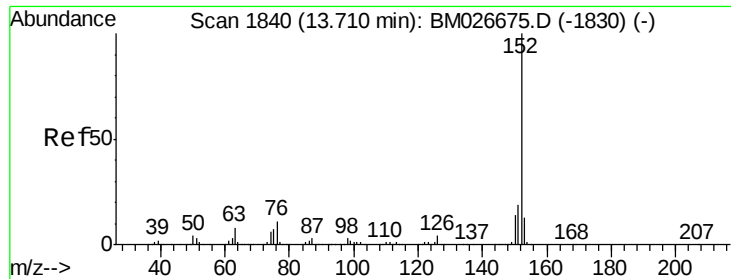
mohammad
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#48
2-Nitroaniline
Concen: 7.190 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.9	47.8	71.8
138	71.3	65.6	98.4





#49

Acenaphthylene

Concen: 8.495 ng

RT: 13.70 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

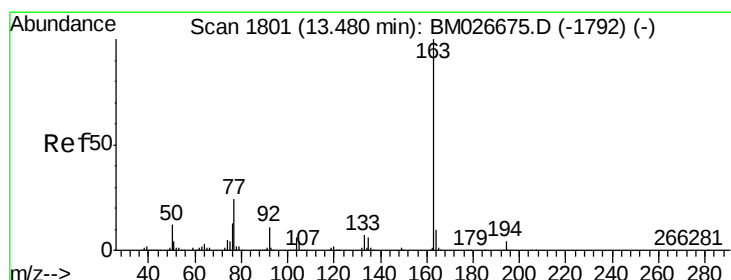
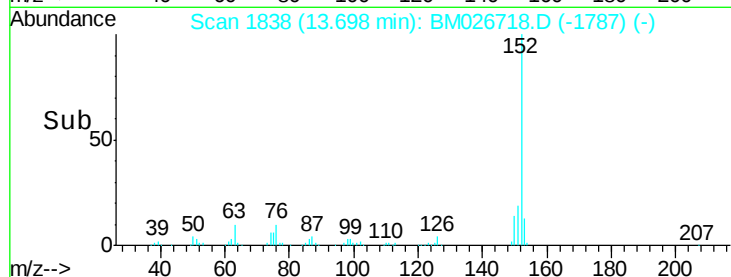
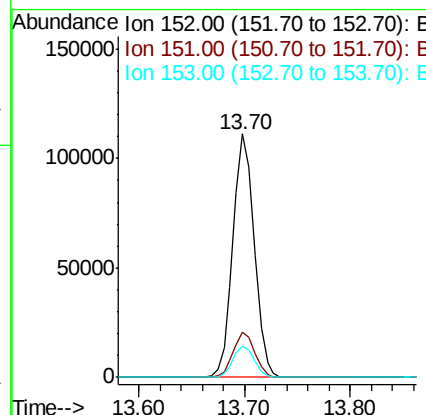
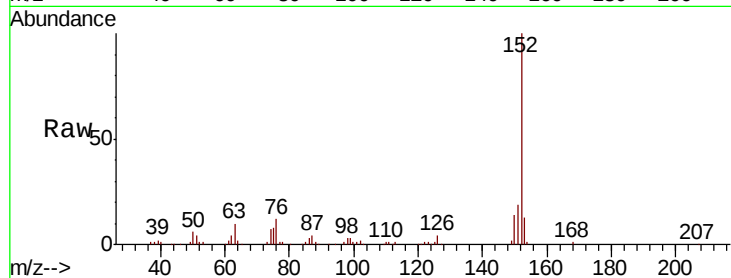
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	155526
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.6	23.4
153	12.6	10.4	15.6

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#50

Dimethylphthalate

Concen: 8.474 ng

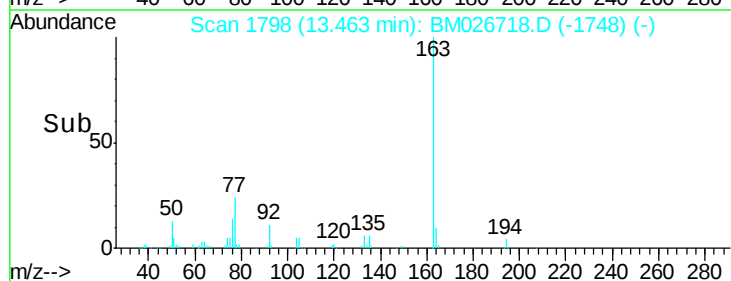
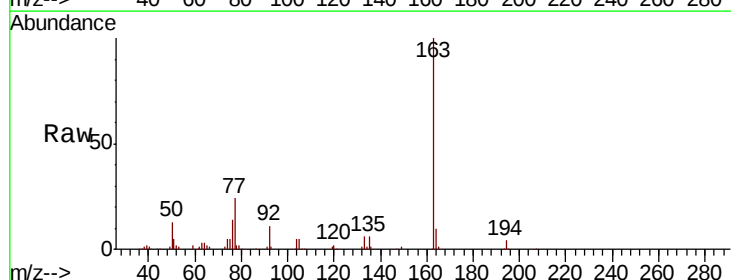
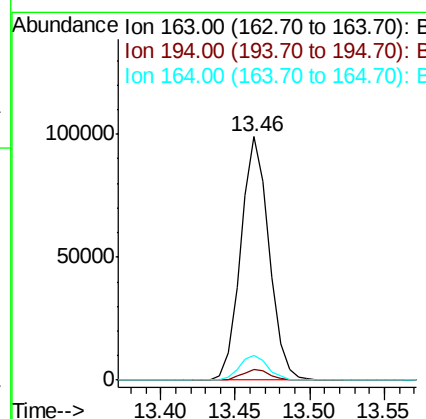
RT: 13.46 min Scan# 1798

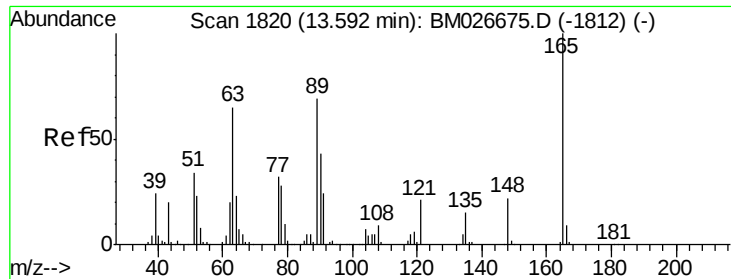
Delta R.T. -0.01 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	163	Resp:	130075
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.2
164	10.4	7.8	11.6





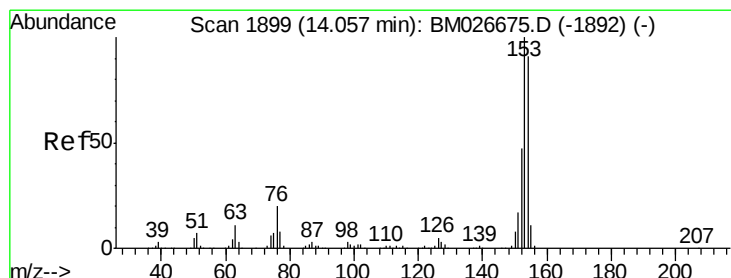
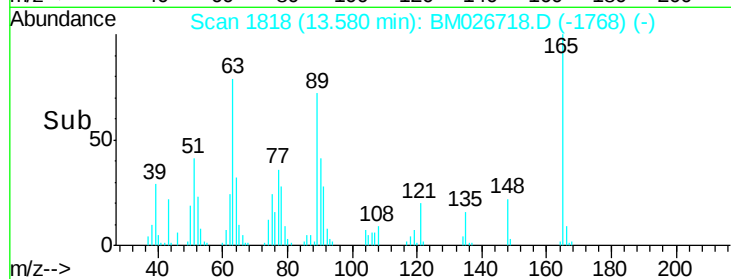
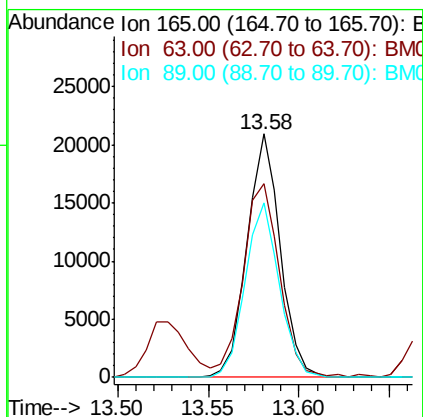
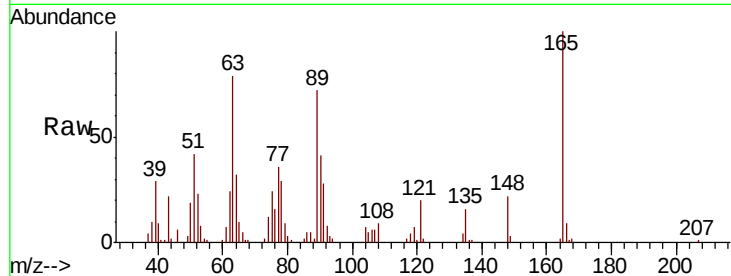
#51
2,6-Dinitrotoluene
Concen: 8.097 ng
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100	26617		
63	79.3		61.1	91.7
89	71.7		54.9	82.3

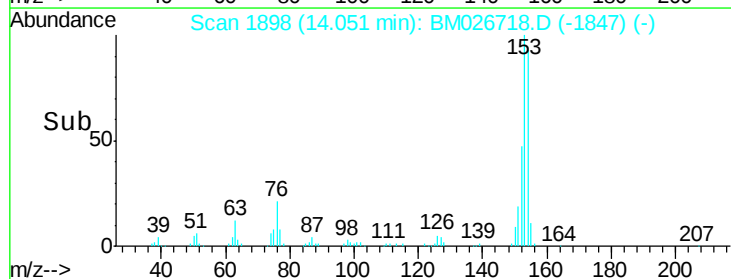
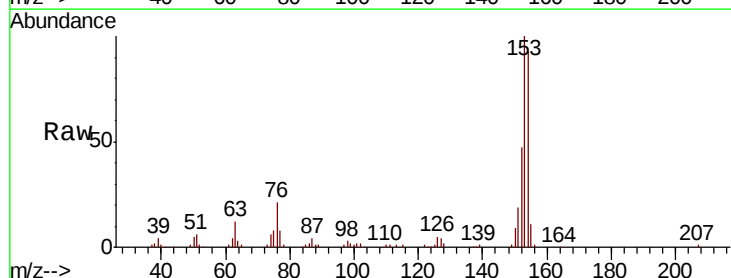
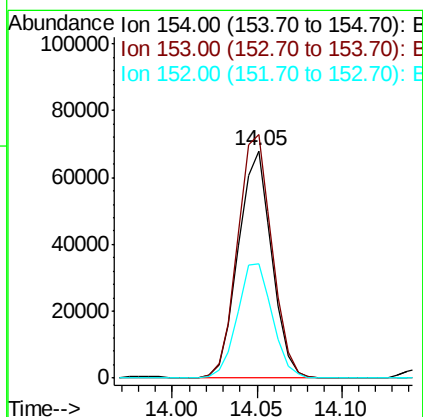
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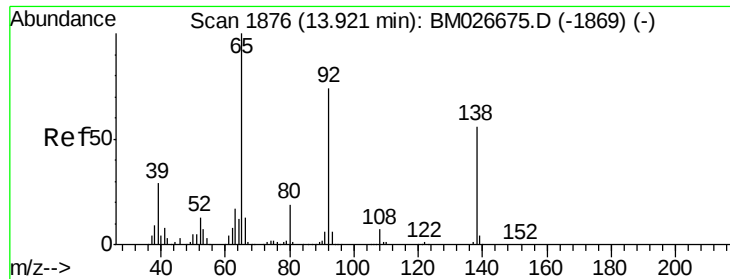
mohammad
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#52
Acenaphthene
Concen: 8.419 ng
RT: 14.05 min Scan# 1898
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	93666		
153	107.2		88.3	132.5
152	50.5		41.1	61.7





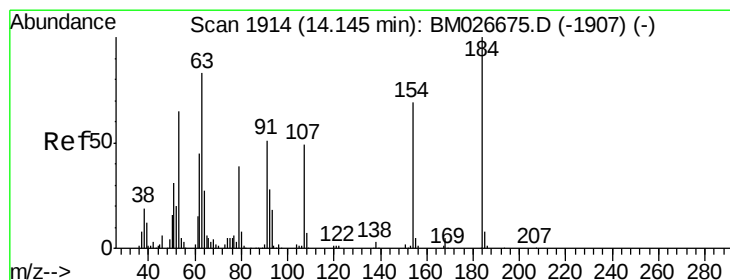
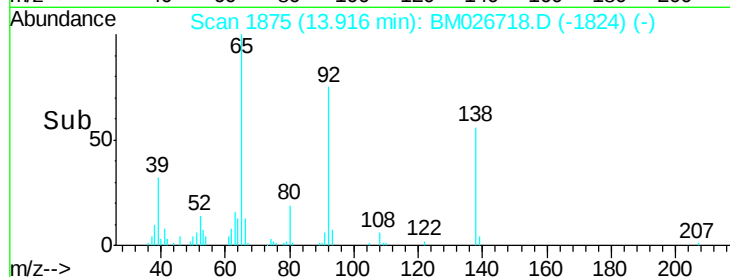
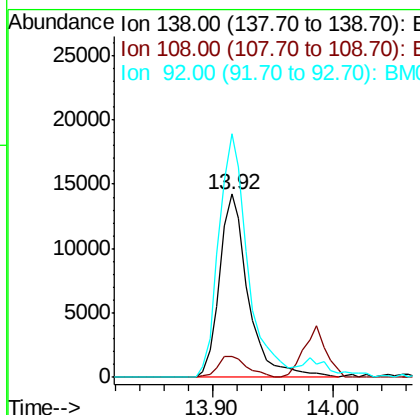
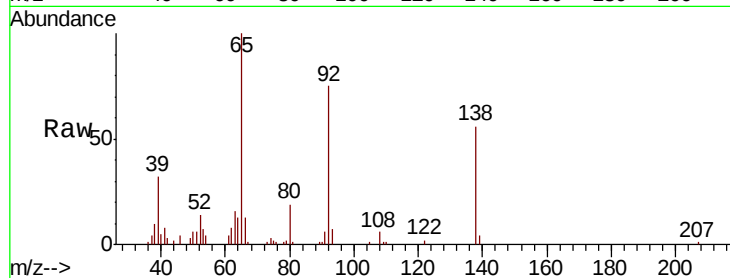
#53
3-Nitroaniline
Concen: 6.862 ng
RT: 13.92 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.7	14.5
92	132.9	105.6	158.4

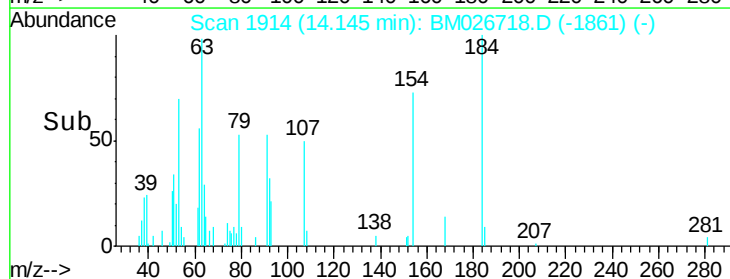
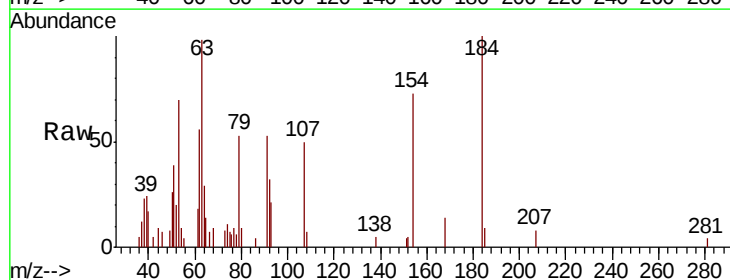
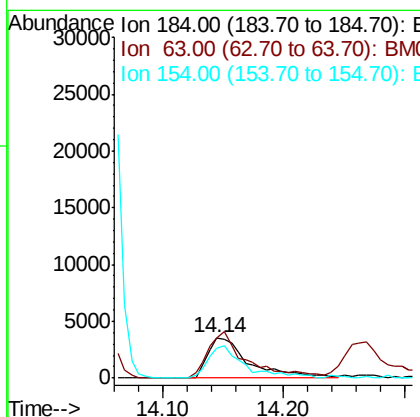
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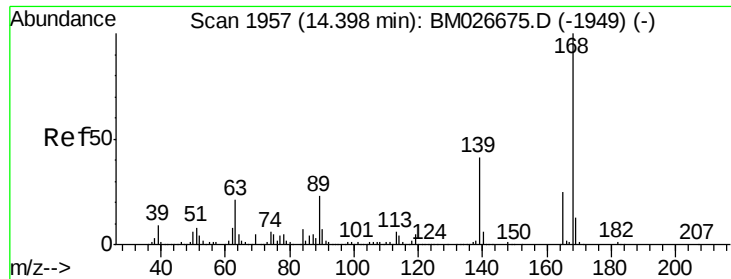
mohammad
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#54
2,4-Dinitrophenol
Concen: 9.727 ng
RT: 14.14 min Scan# 1914
Delta R.T. 0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	98.3	66.2	99.4
154	73.2	55.2	82.8





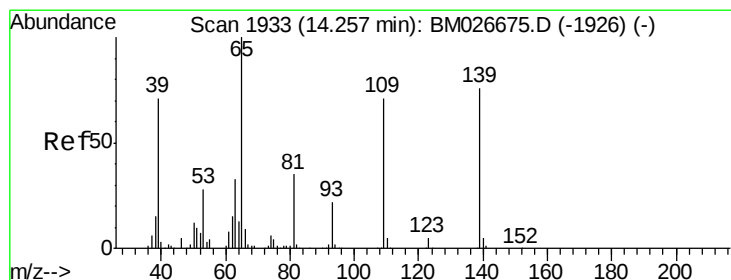
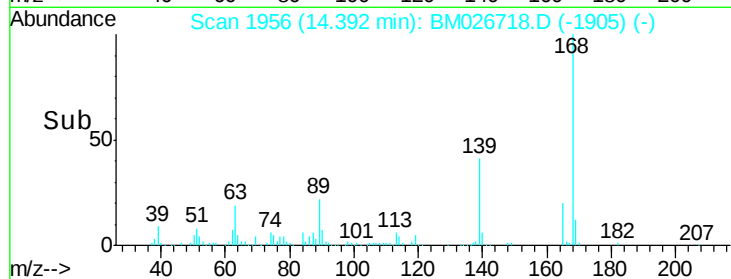
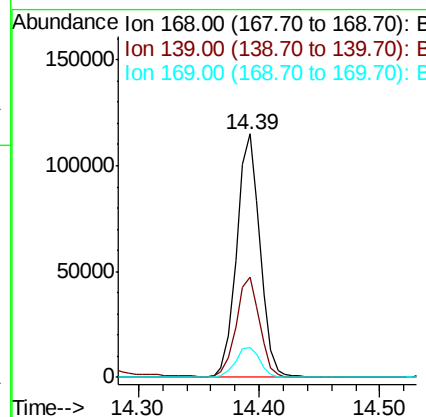
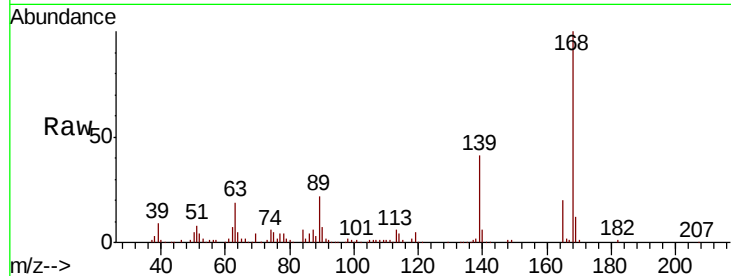
#55
Dibenzofuran
Concen: 8.463 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Resp	Lower	Upper
168	100	154392		
139	41.3	32.6	48.8	
169	12.4	10.5	15.7	

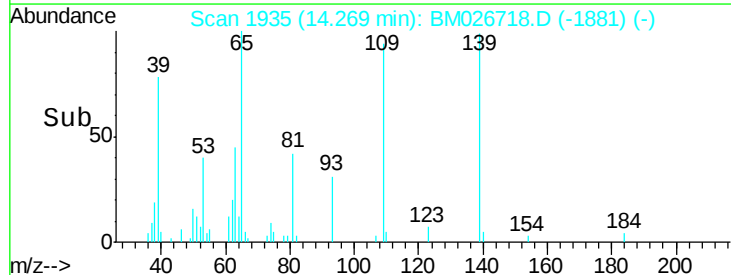
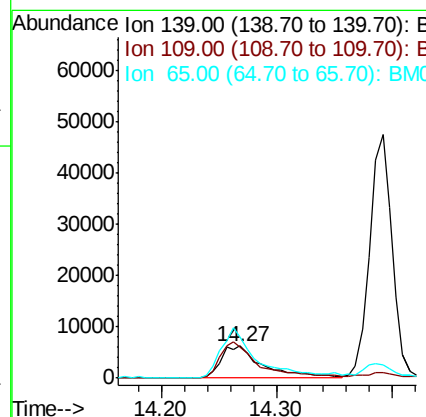
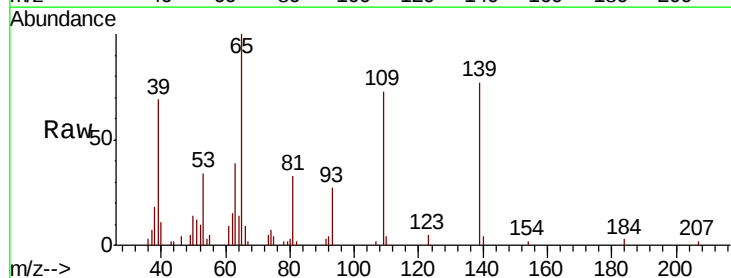
Manual Integrations
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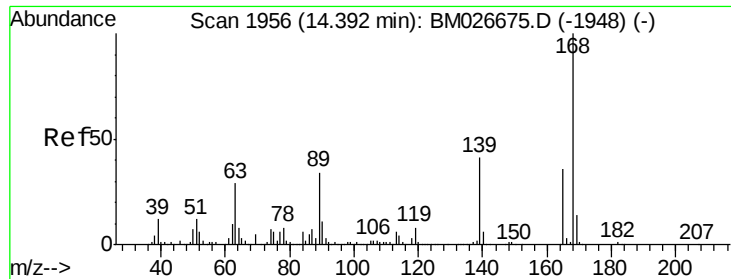
mohammad
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#56
4-Nitrophenol
Concen: 8.980 ng
RT: 14.27 min Scan# 1935
Delta R.T. 0.02 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	15883		
109	95.3	73.7	113.7	
65	130.0	111.5	151.5	





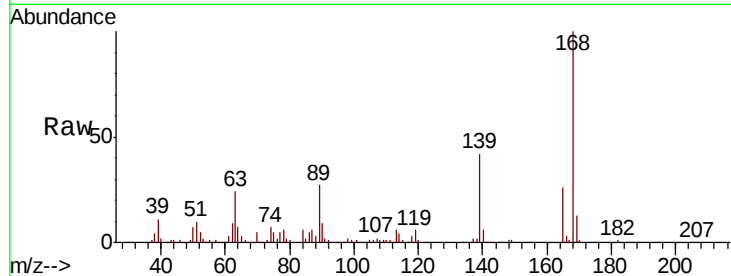
#57
 2,4-Dinitrotoluene
 Concen: 7.564 ng
 RT: 14.39 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	92.9	64.6	97.0	
89	103.1	75.4	113.2	
182	3.1	2.2	3.4	

Manual Integrations
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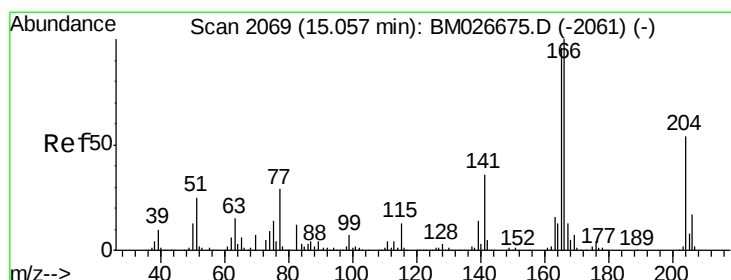
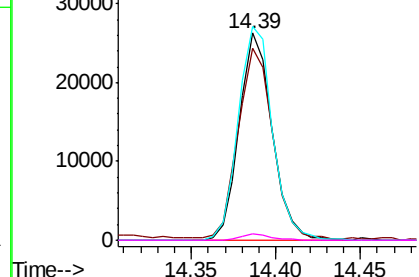
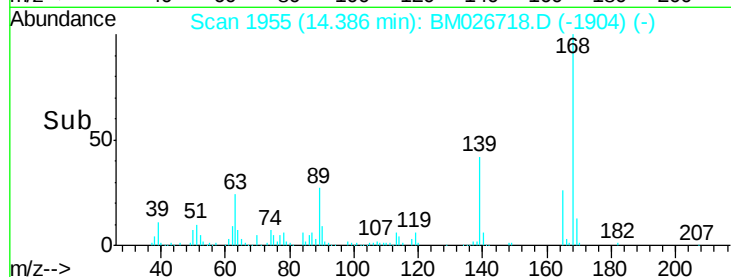
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

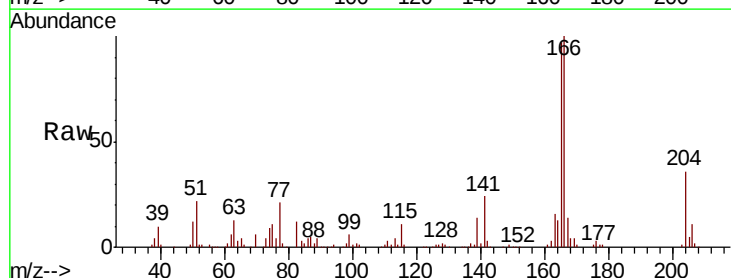
Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 8.195 ng
 RT: 15.04 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.2	77.1	115.7	
167	13.9	10.8	16.2	

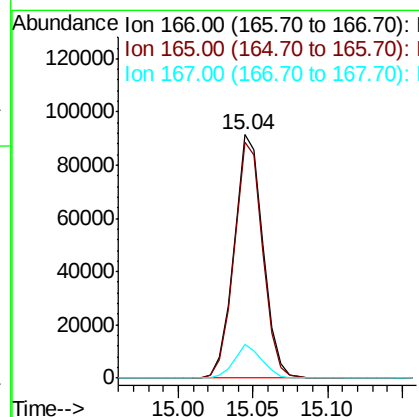
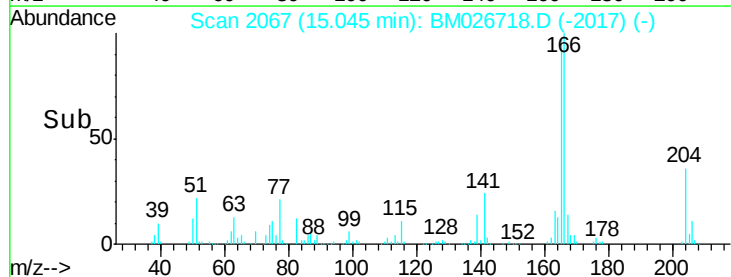


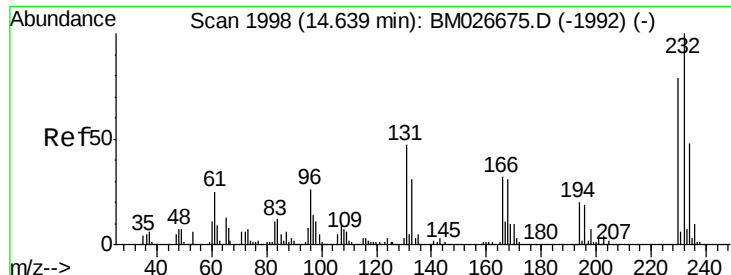
Abundance

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





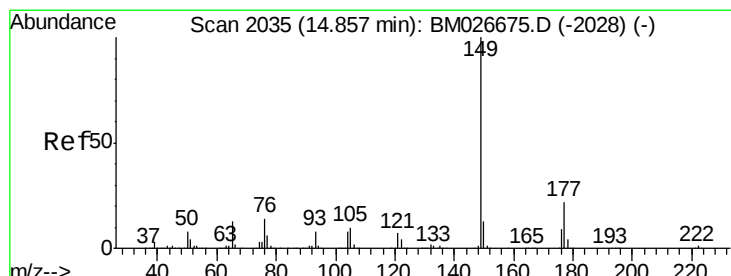
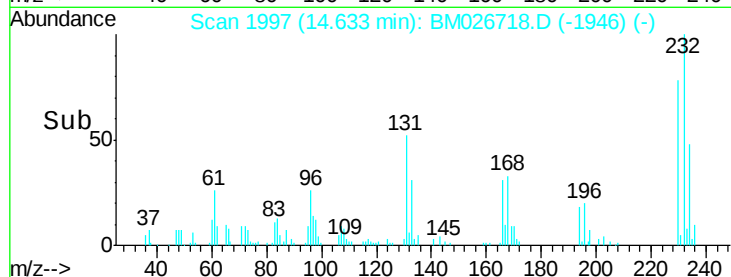
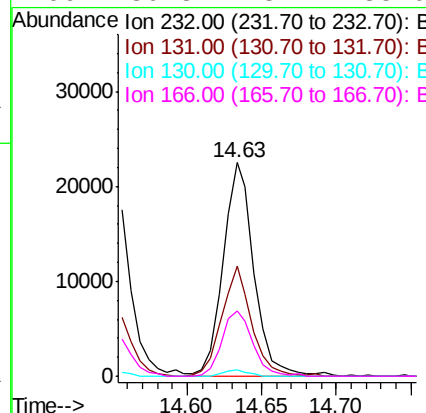
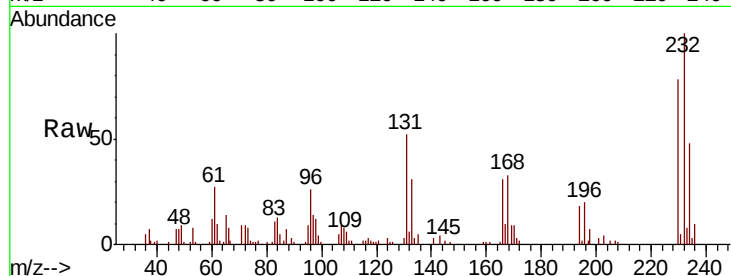
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.380 ng
RT: 14.63 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.8	38.4	57.6
130	2.6	2.2	3.2
166	30.8	25.4	38.0

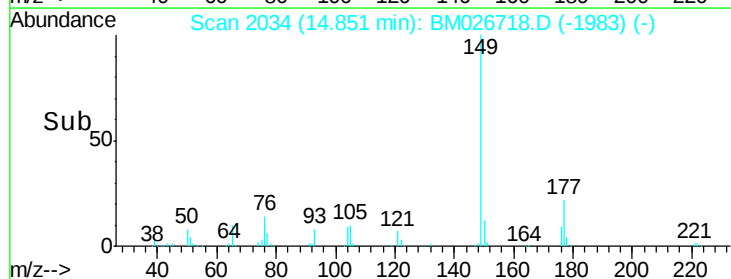
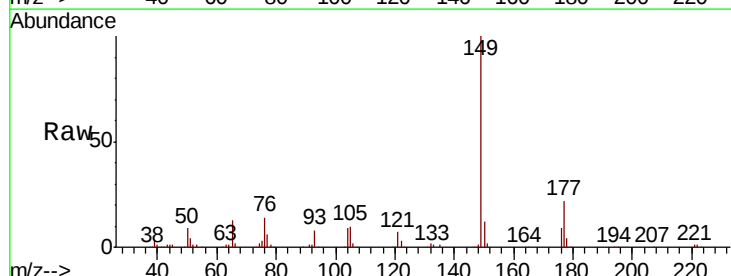
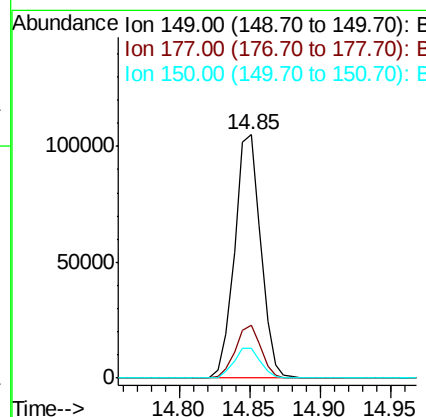
Manual Integrations
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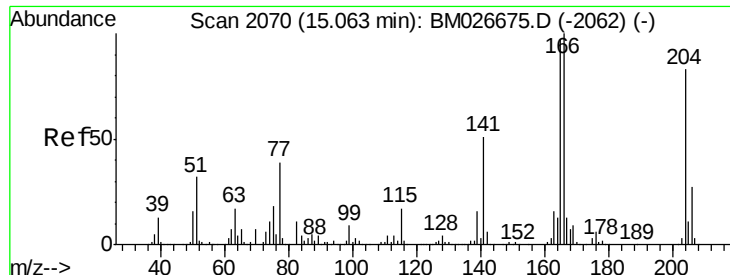
mohammad
7/10/2020 11:51:29 AM



#60
Diethylphthalate
Concen: 8.331 ng
RT: 14.85 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.8	26.6
150	12.4	10.2	15.4





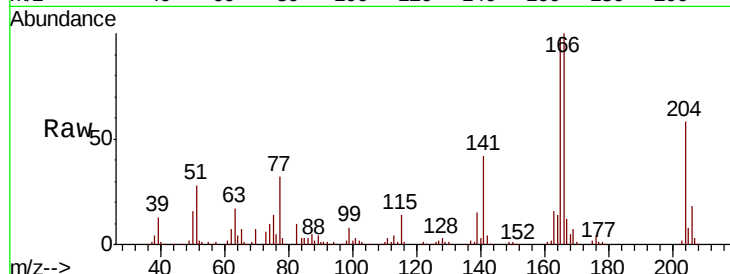
#61
4-Chlorophenyl-phenylether
Concen: 8.120 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.0	25.9	38.9
141	71.5	49.5	74.3

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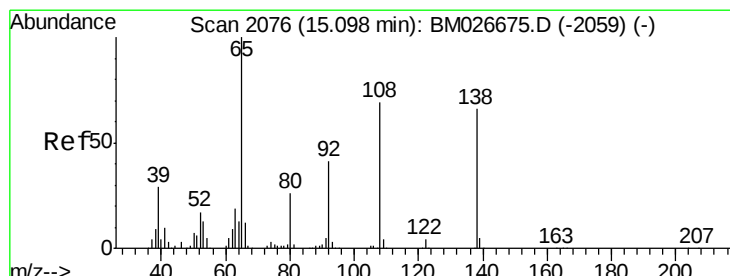
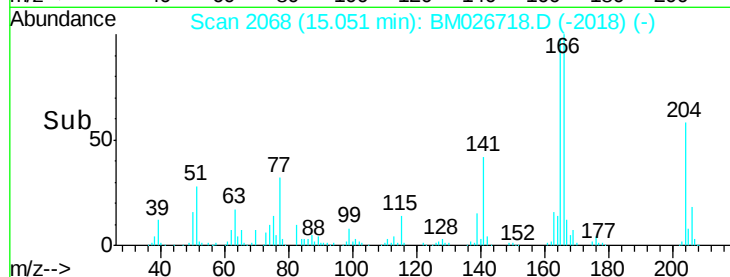
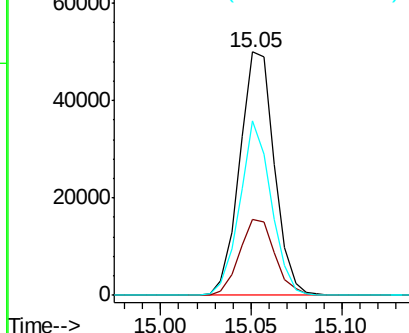


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 8.710 ng m
RT: 15.09 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

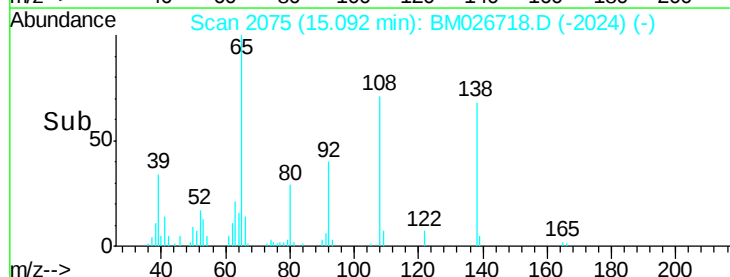
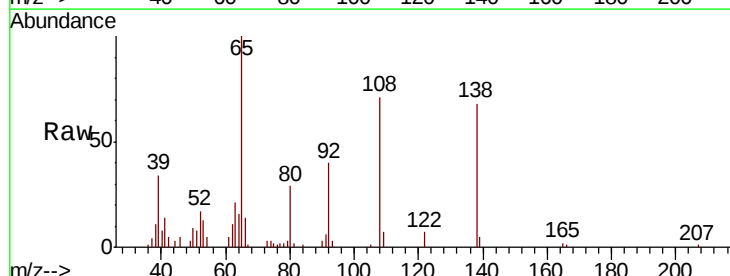
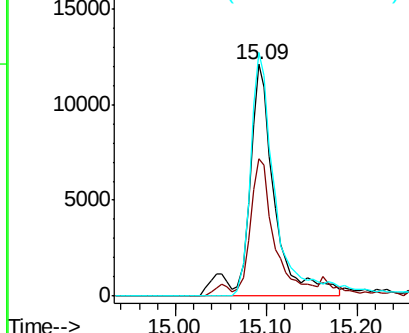
Tgt Ion	Ratio	Lower	Upper
138	100		
92	59.3	41.5	81.5
108	105.1	84.8	124.8

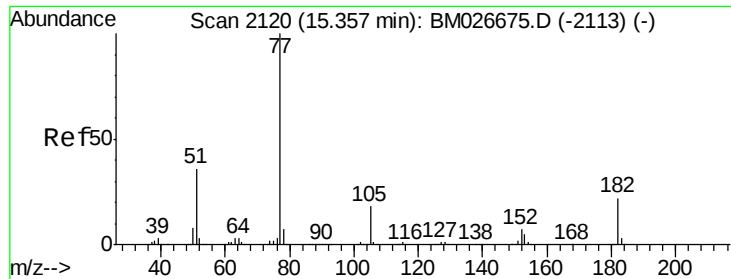
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





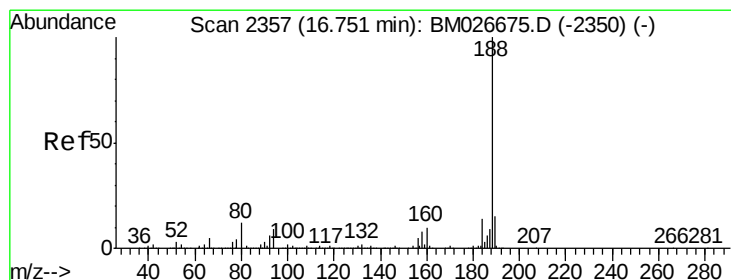
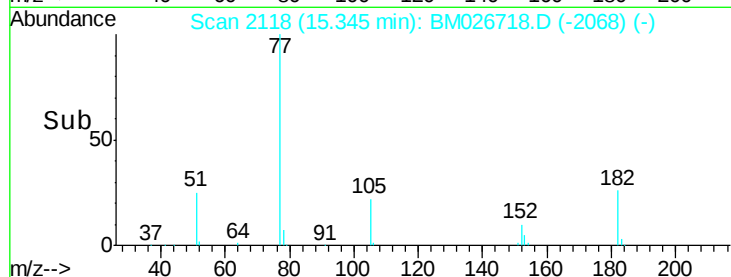
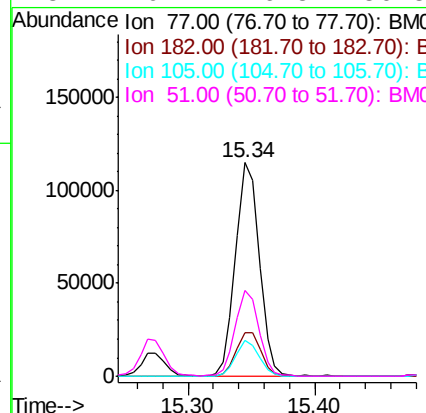
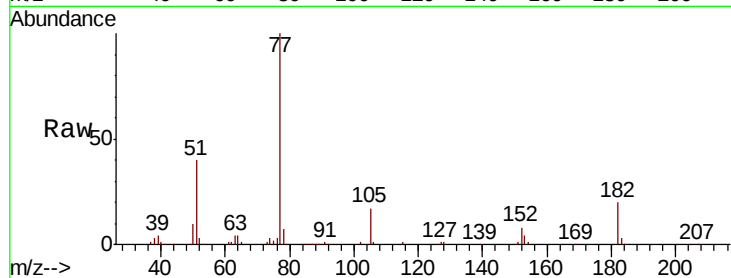
#63
Azobenzene
Concen: 8.405 ng
RT: 15.34 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	20.2	1.6	41.6		
105	17.0	0.0	37.8		
51	40.2	16.5	56.5		

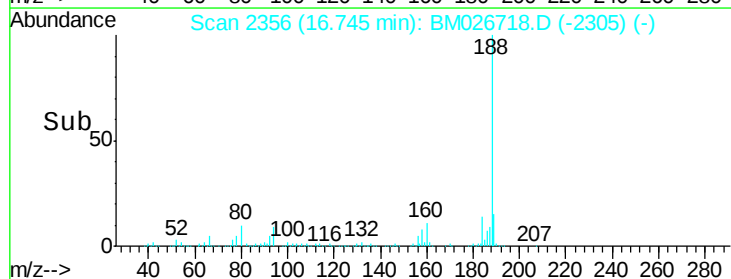
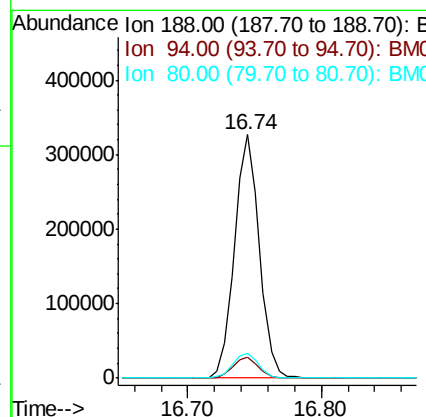
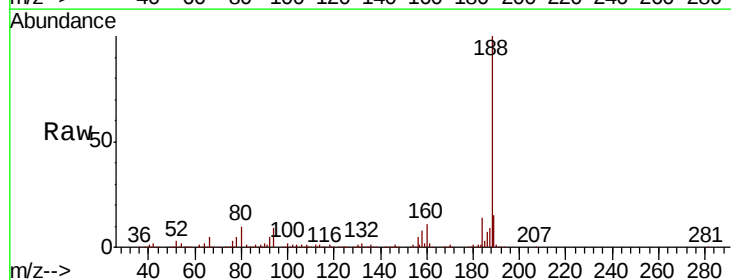
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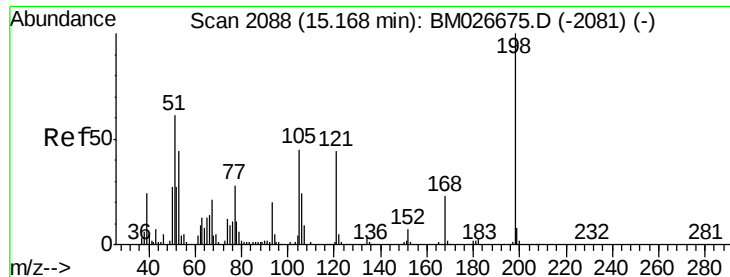
mohammad
7/10/2020 11:51:29 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2356
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.7	7.4	11.0		
80	10.4	9.3	13.9		





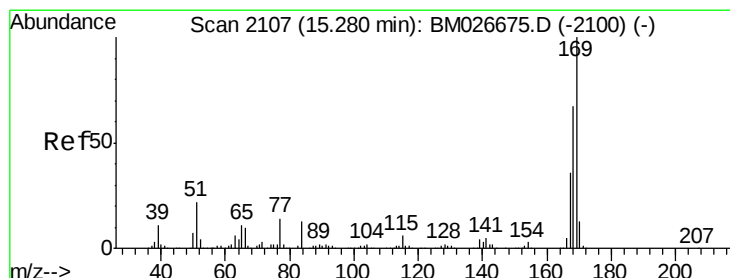
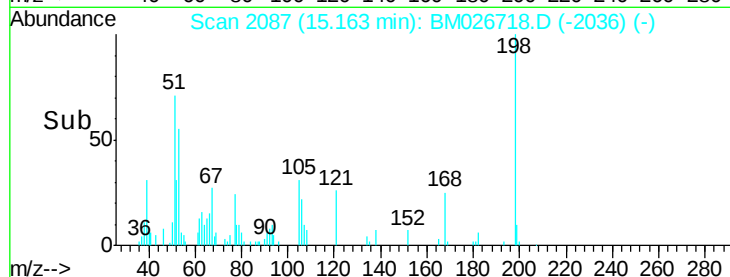
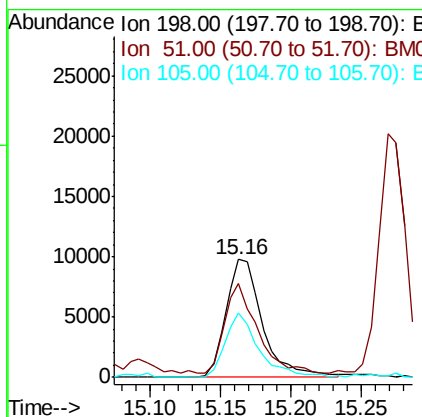
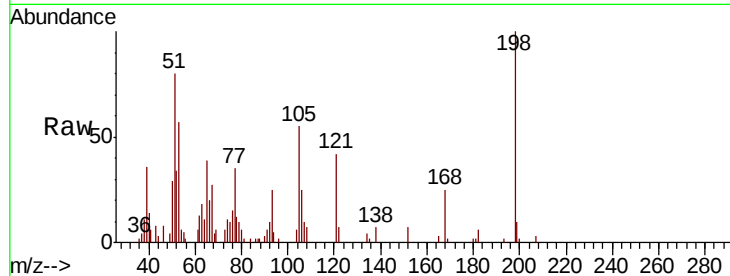
#65
4,6-Dinitro-2-methylphenol
Concen: 9.638 ng
RT: 15.16 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Resp	Lower	Upper
198	100	17535		
51	79.6	42.0	82.0	
105	55.1	24.9	64.9	

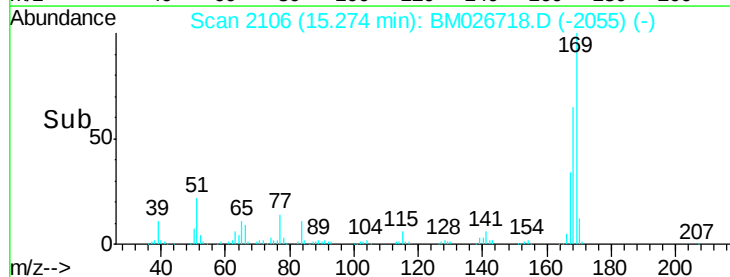
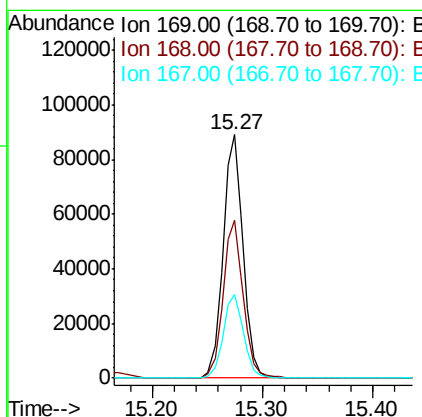
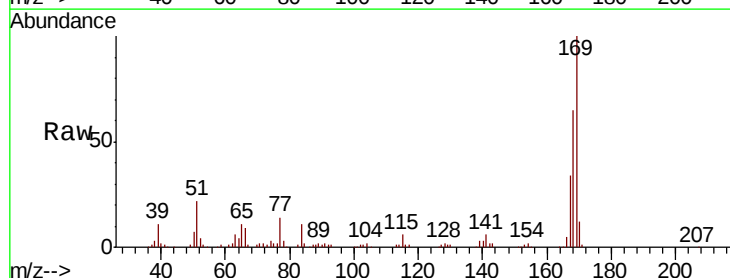
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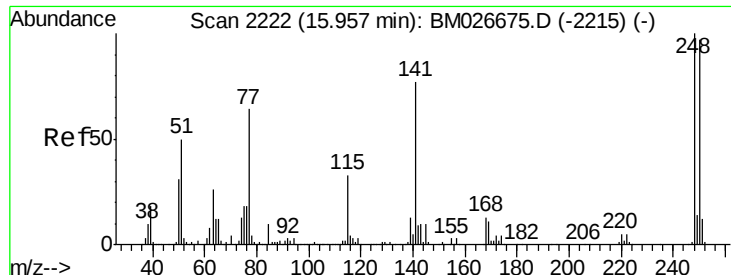
mohammad
7/10/2020 11:51:29 AM



#66
n-Nitrosodiphenylamine
Concen: 8.320 ng
RT: 15.27 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	112138		
168	64.8	53.8	80.8	
167	34.2	28.6	43.0	





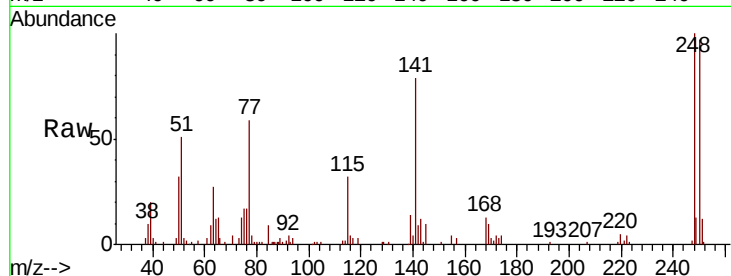
#67
 4-Bromophenyl-phenylether
 Concen: 7.871 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.4	116.2
141	78.5	61.9	92.9

Manual Integrations
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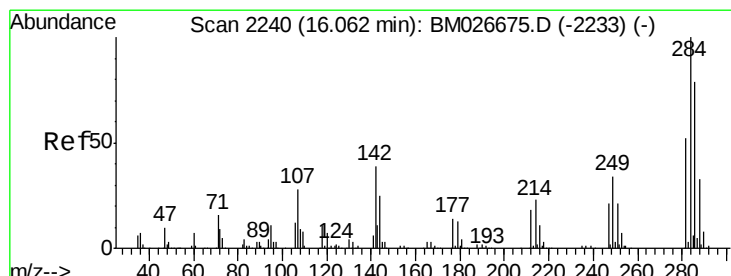
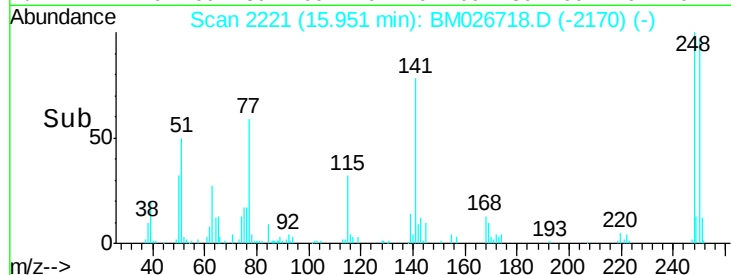
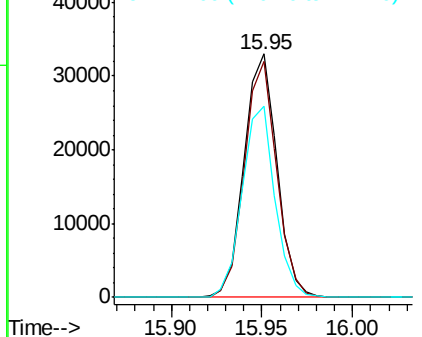


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 8.430 ng
 RT: 16.06 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

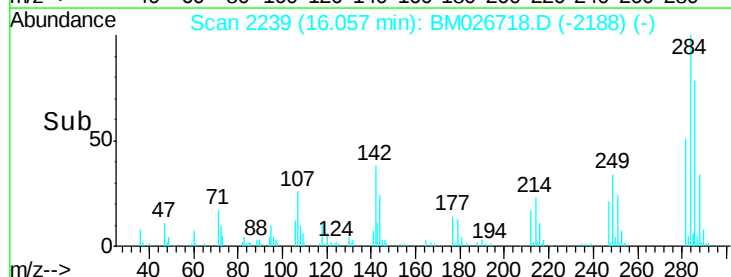
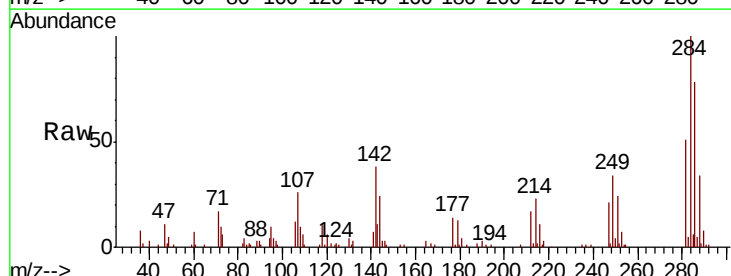
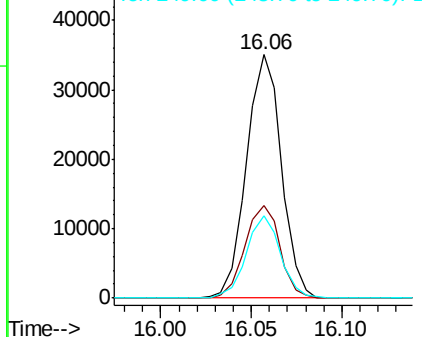
Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.0	31.1	46.7
249	34.0	27.4	41.0

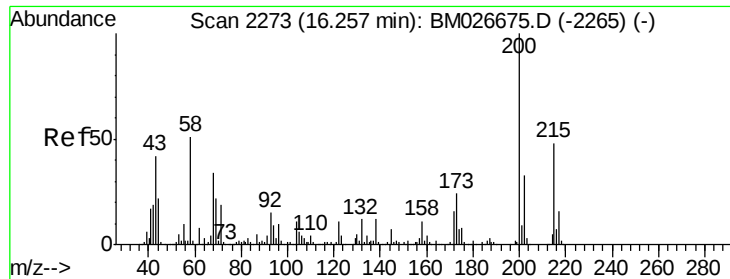
Abundance

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





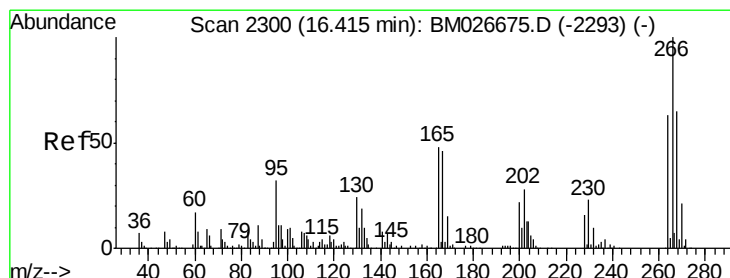
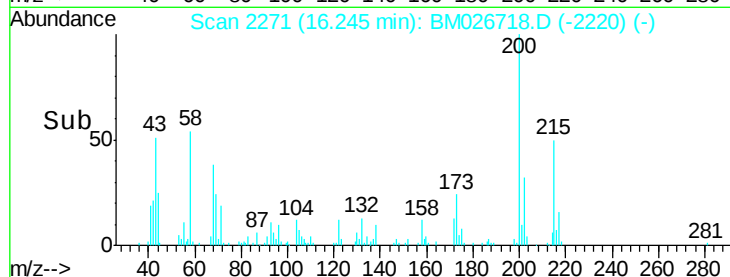
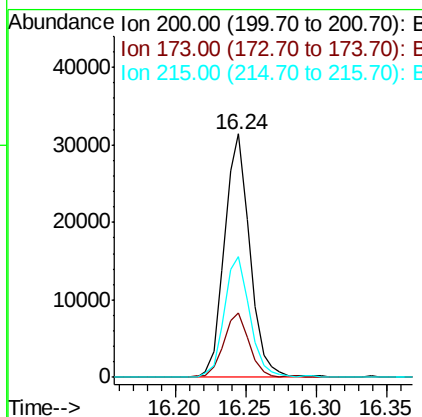
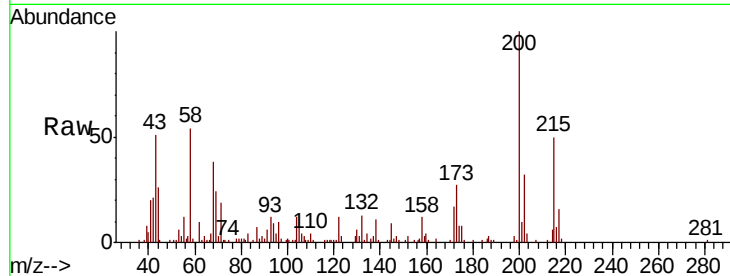
#69
Atrazine
Concen: 9.720 ng
RT: 16.24 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.7	4.5	44.5
215	49.5	28.4	68.4

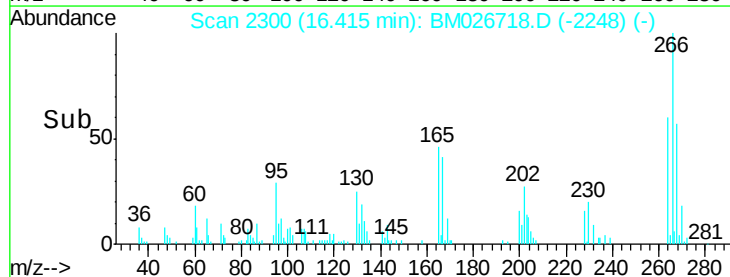
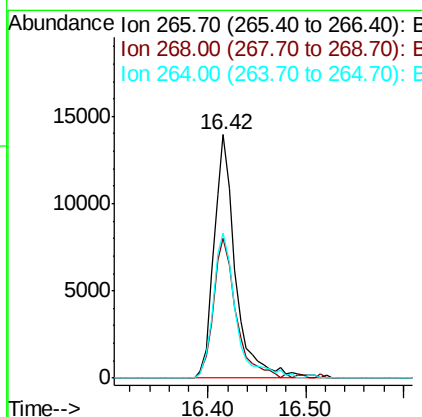
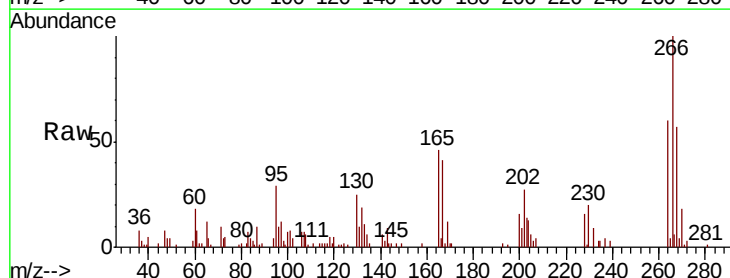
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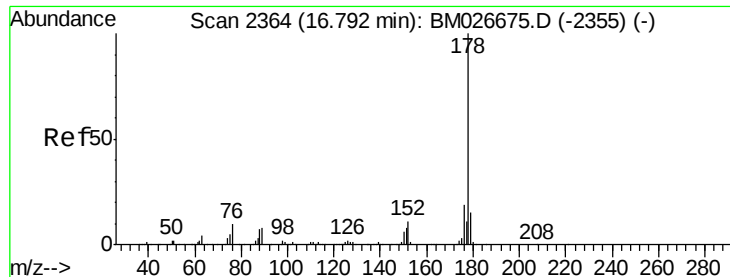
mohammad
7/10/2020 11:51:29 AM



#70
Pentachlorophenol
Concen: 6.806 ng
RT: 16.42 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
266	100		
268	57.4	51.8	77.6
264	59.8	50.1	75.1





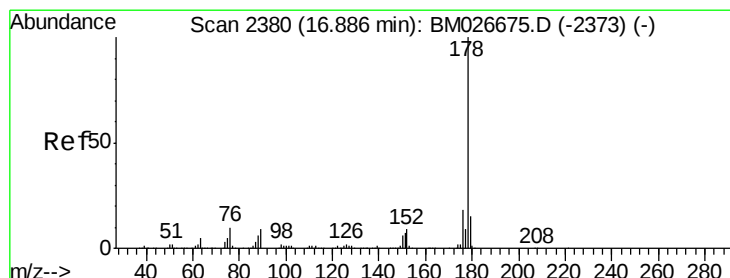
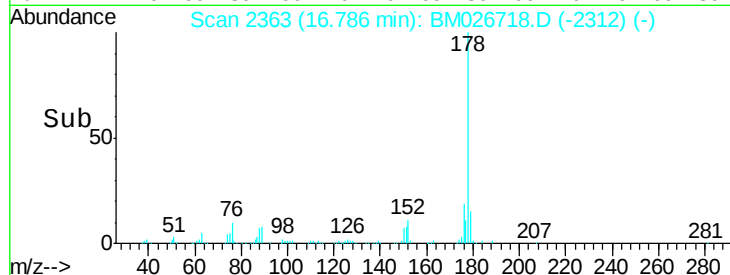
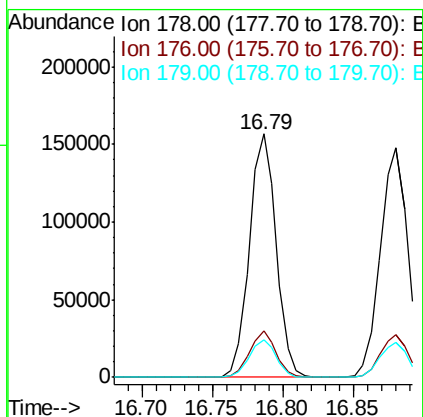
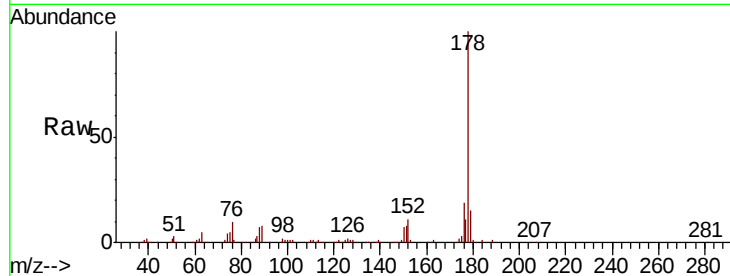
#71
Phenanthrene
Concen: 8.365 ng
RT: 16.79 min Scan# 2363
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.3	12.1	18.1

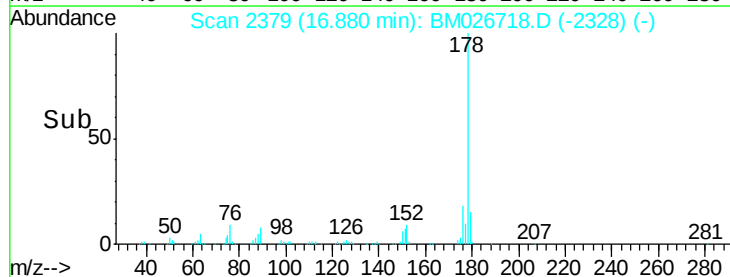
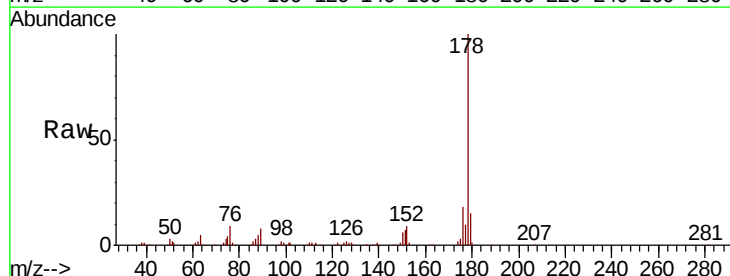
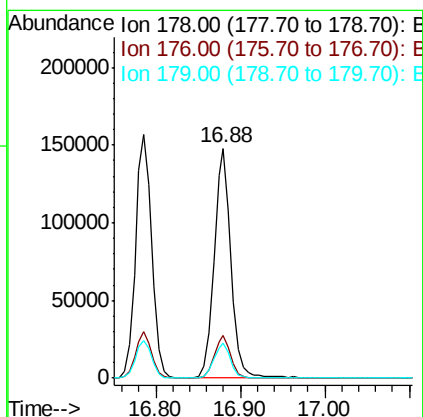
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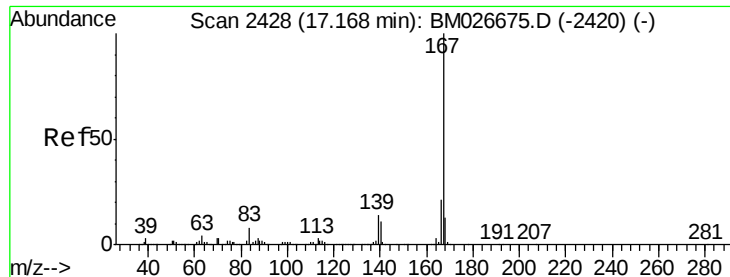
mohammad
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#72
Anthracene
Concen: 8.347 ng
RT: 16.88 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.1	18.1





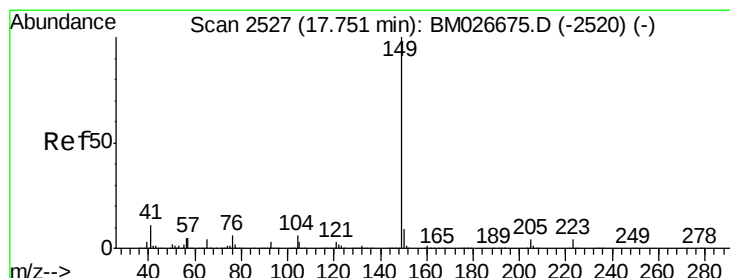
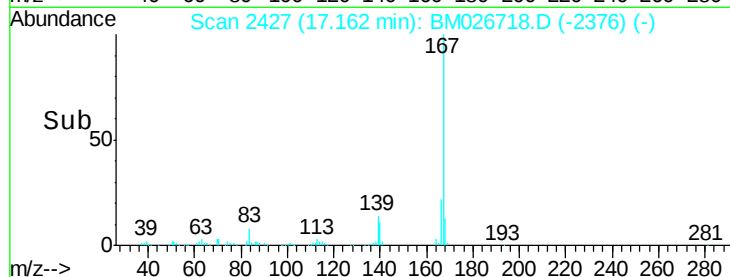
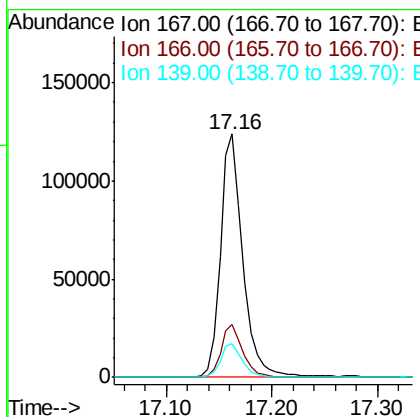
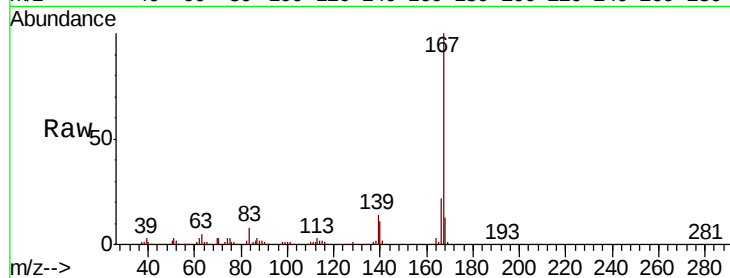
#73
 Carbazole
 Concen: 7.672 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	16.9	25.3
139	13.8	10.8	16.2

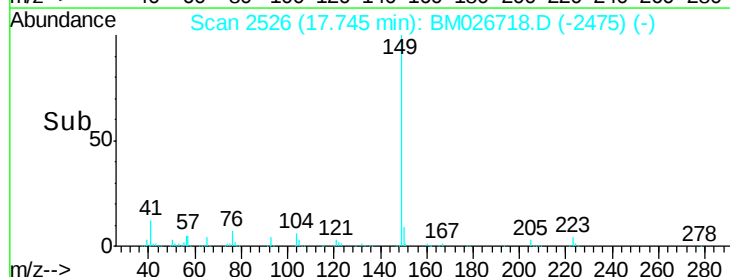
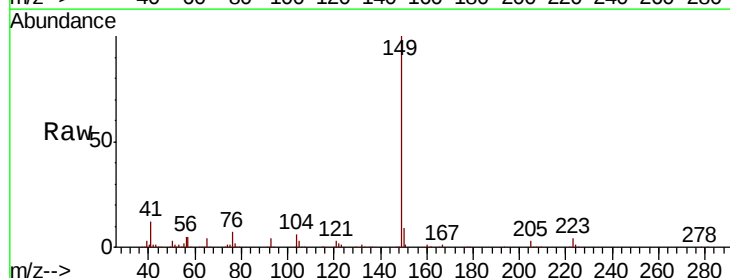
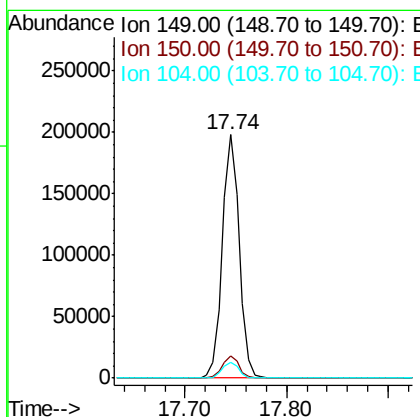
Manual Integrations
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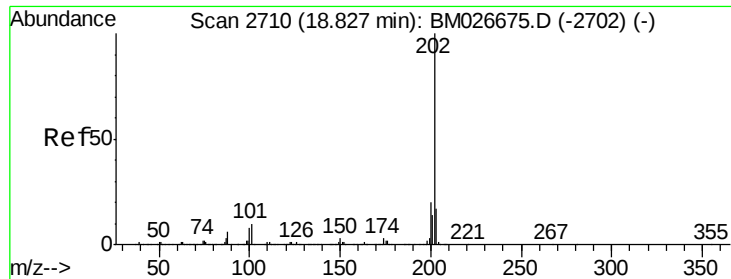
mohammad
 7/10/2020 11:51:29 AM



#74
 Di-n-butylphthalate
 Concen: 7.670 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	6.2	5.0	7.4





#75

Fluoranthene

Concen: 8.375 ng

RT: 18.82 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

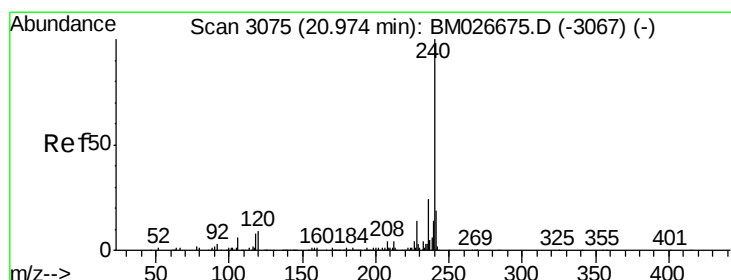
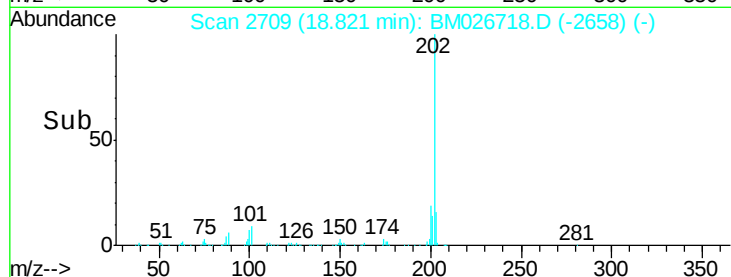
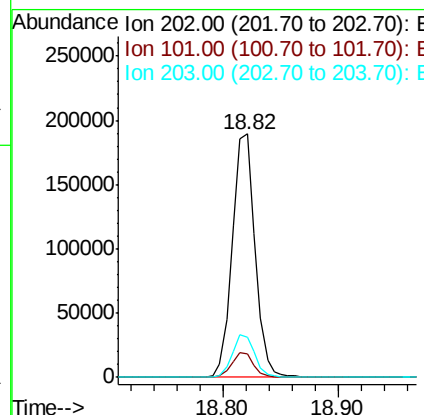
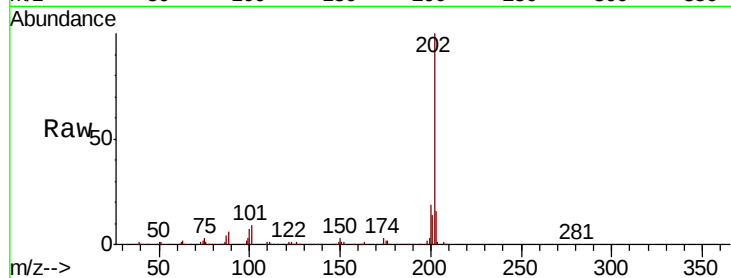
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
202	100	258304		
101	9.4	0.0	30.1	
203	16.4	0.0	37.2	

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#76

Chrysene-d12

Concen: 20.000 ng

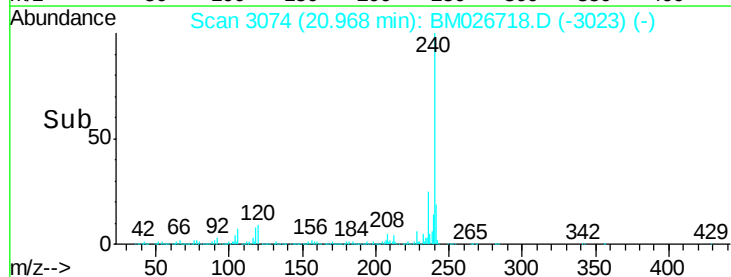
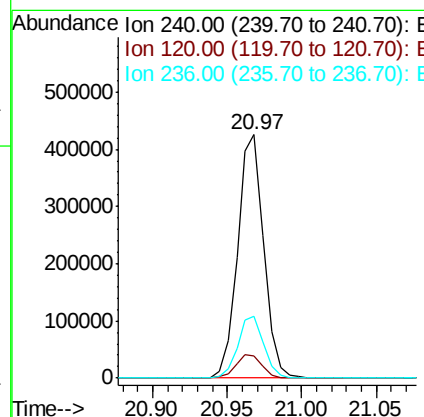
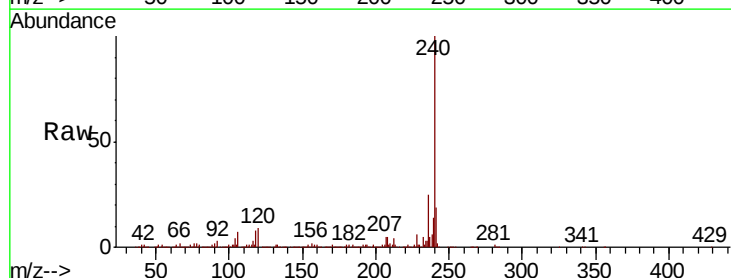
RT: 20.97 min Scan# 3074

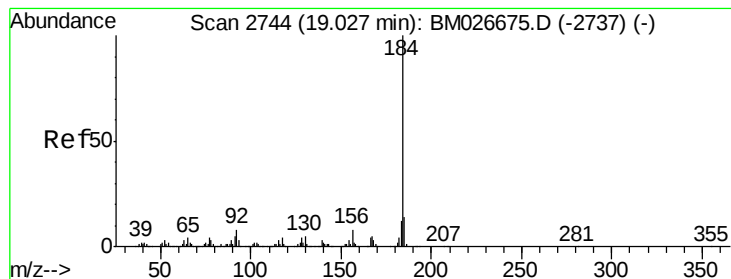
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	519896		
120	9.3	7.3	10.9	
236	25.2	19.4	29.2	





#77

Benzidine

Concen: 9.550 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

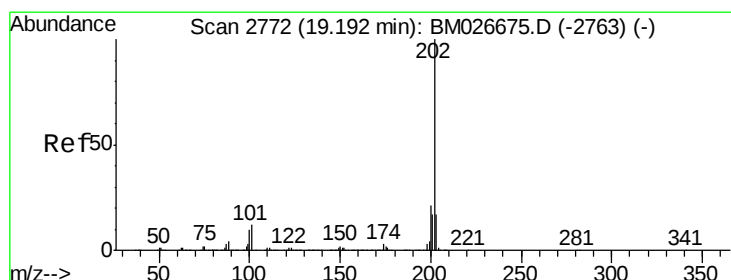
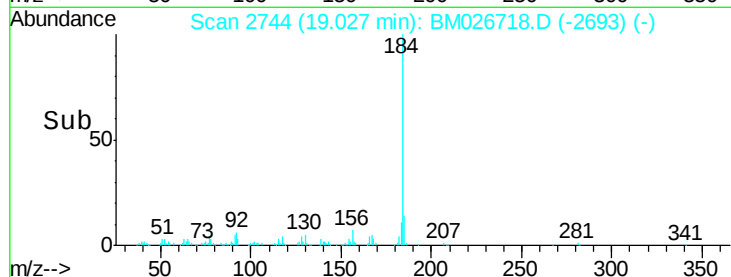
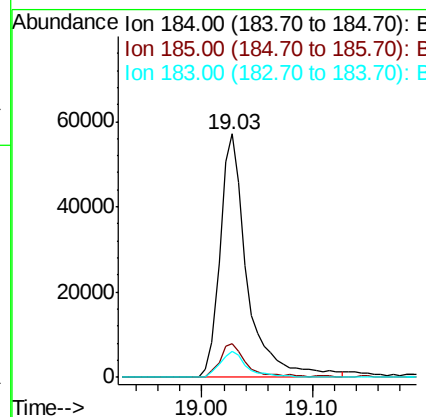
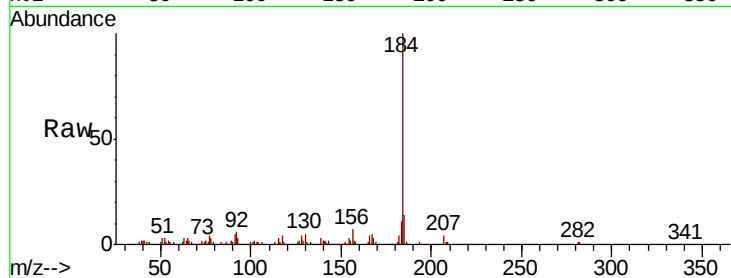
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	97884
Ion Ratio	Lower	Upper	
184	100		
185	13.8	10.9	16.3
183	10.9	9.3	13.9

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#78

Pyrene

Concen: 8.294 ng

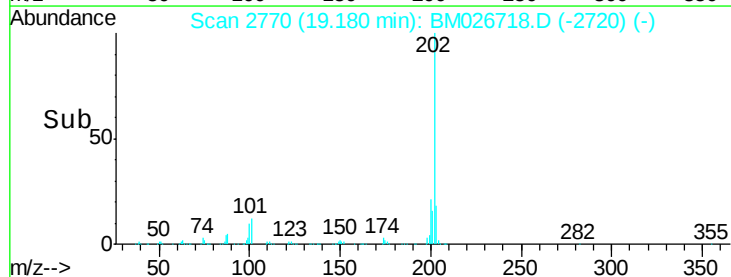
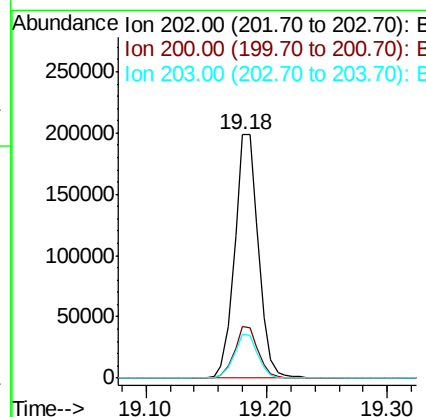
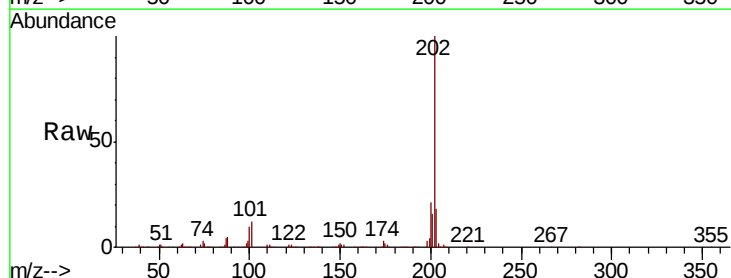
RT: 19.18 min Scan# 2770

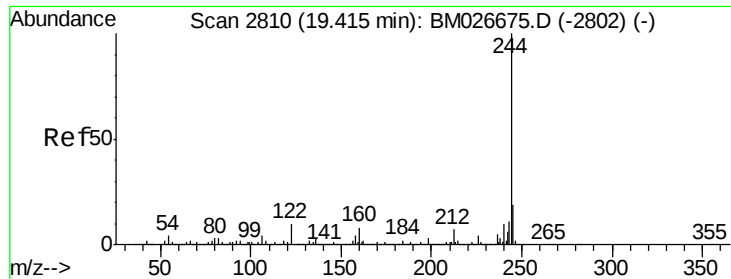
Delta R.T. -0.01 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	202	Resp:	271645
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	24.8
203	18.1	13.7	20.5





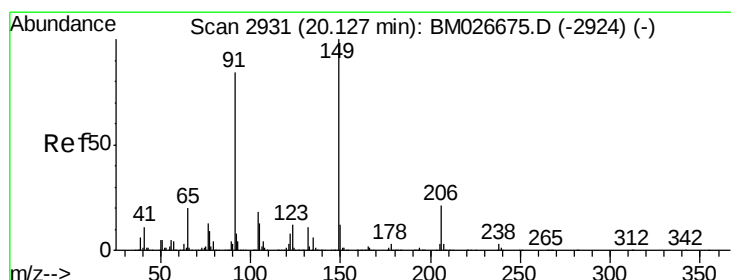
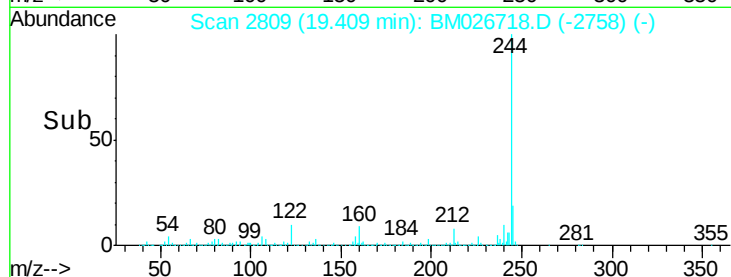
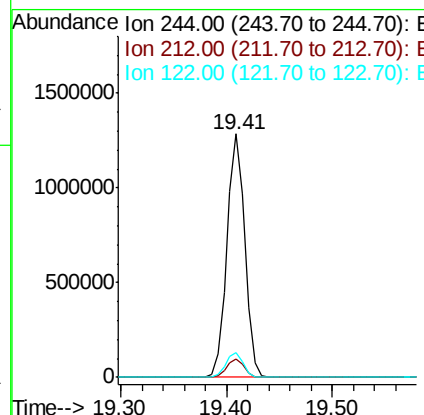
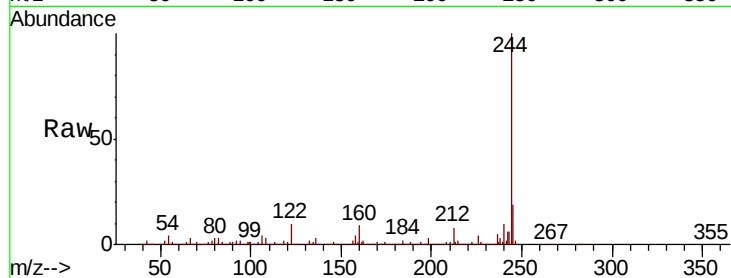
#79
 Terphenyl-d14
 Concen: 57.491 ng
 RT: 19.41 min Scan# 2809
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

Tot Ion:244 Resp: 1518745
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 10.1 8.2 12.4

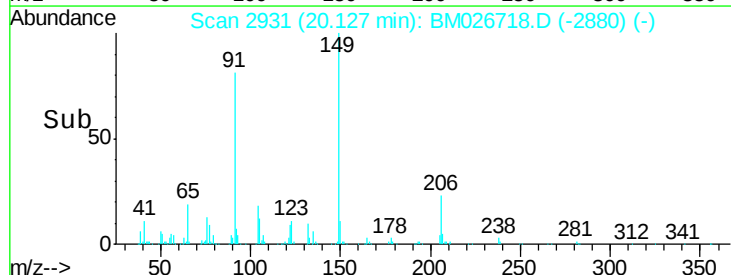
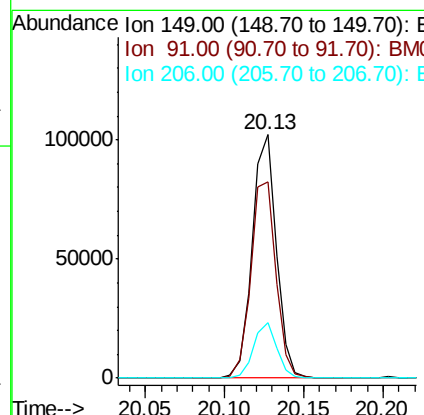
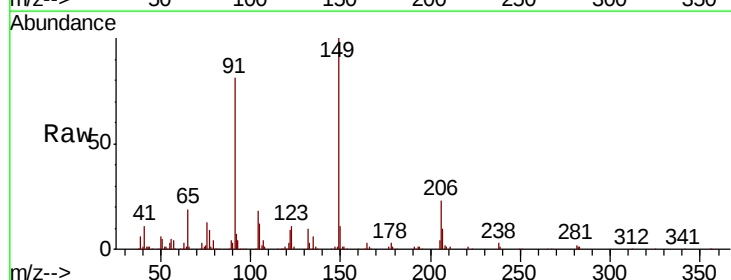
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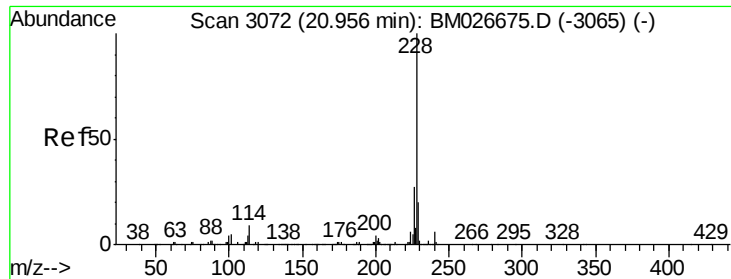
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#80
 Butylbenzylphthalate
 Concen: 7.353 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

Tgt Ion:149 Resp: 108070
 Ion Ratio Lower Upper
 149 100
 91 80.7 67.6 101.4
 206 23.0 16.7 25.1





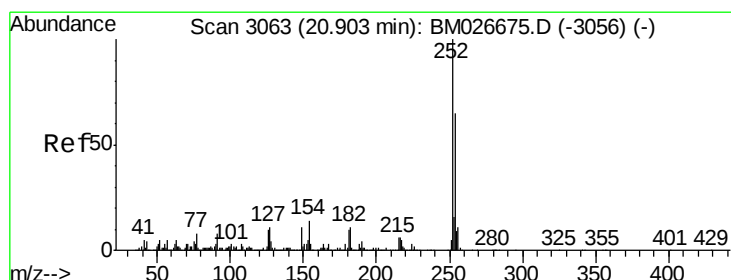
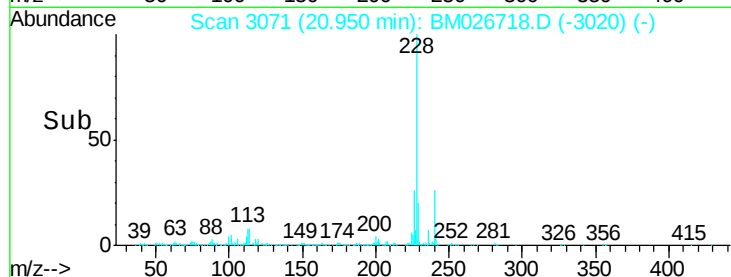
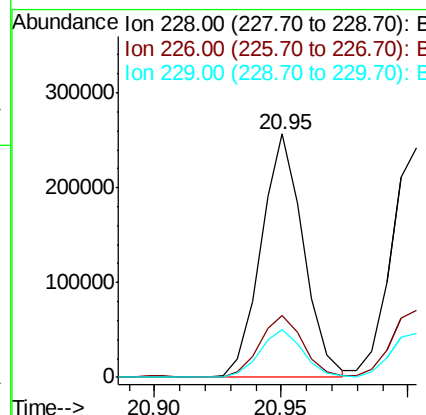
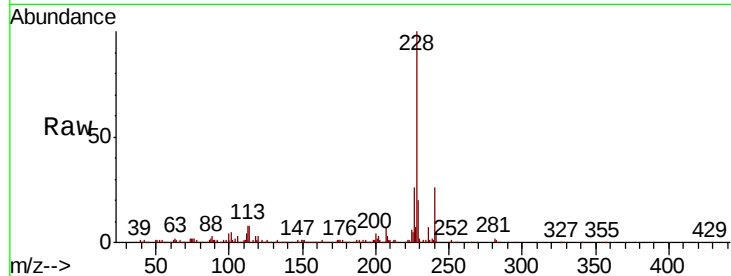
#81
Benzo(a)anthracene
Concen: 8.542 ng
RT: 20.95 min Scan# 3071
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.4	32.2
229	19.9	15.6	23.4

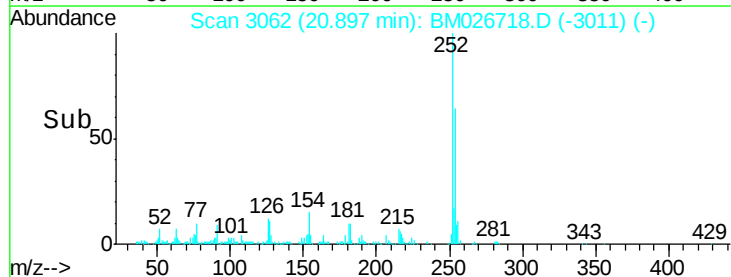
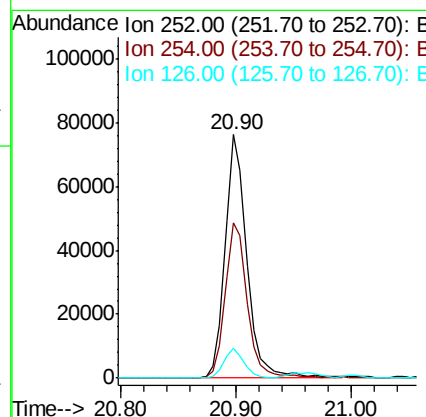
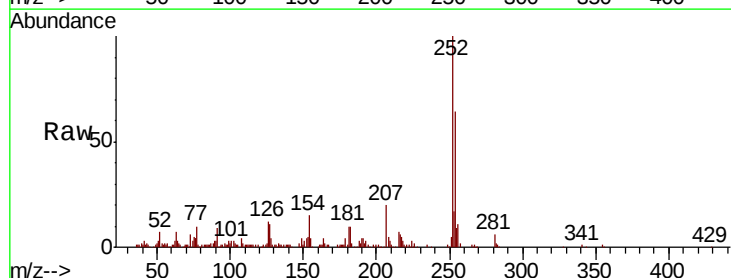
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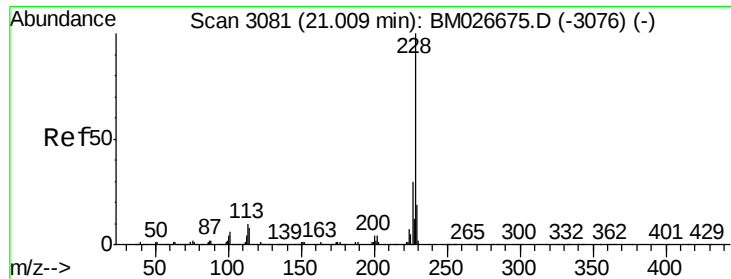
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 9.038 ng
RT: 20.90 min Scan# 3062
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.9	77.9
126	12.0	8.2	12.2





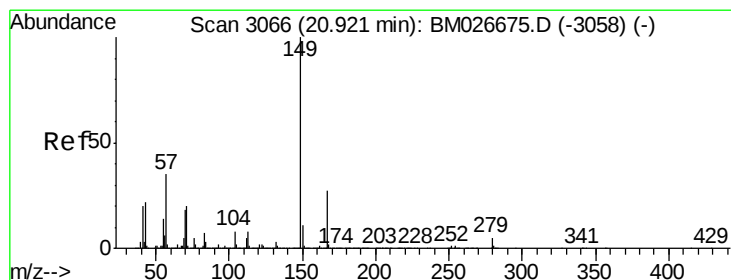
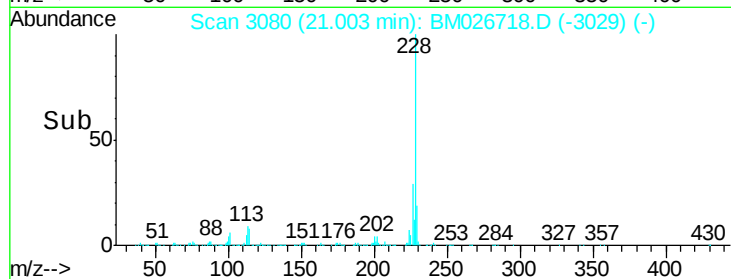
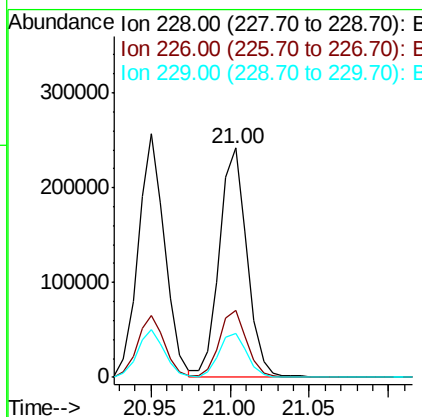
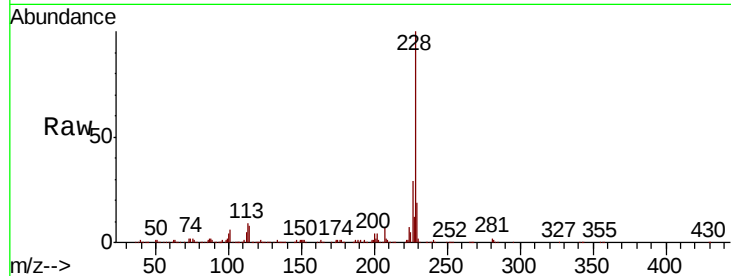
#83
Chrysene
Concen: 8.556 ng
RT: 21.00 min Scan# 3080
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	19.2	15.4	23.0

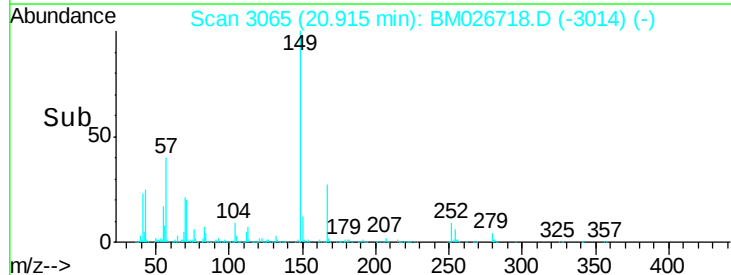
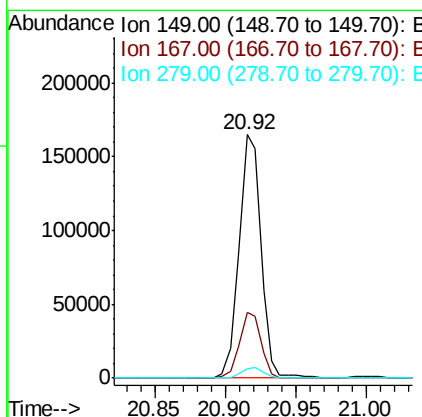
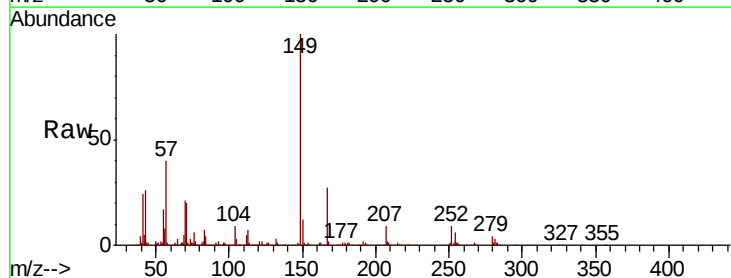
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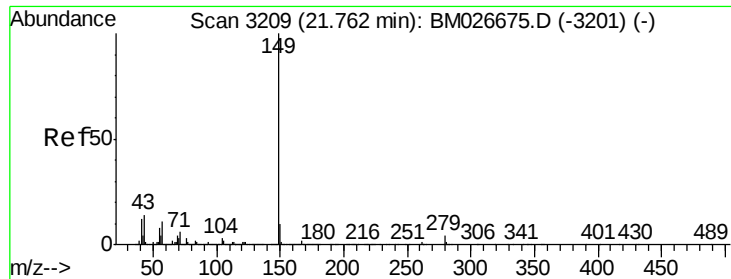
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 7.545 ng
RT: 20.92 min Scan# 3065
Delta R.T. 0.00 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.9	32.9
279	4.1	3.7	5.5





#85

Di-n-octyl phthalate

Concen: 7.486 ng

RT: 21.76 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

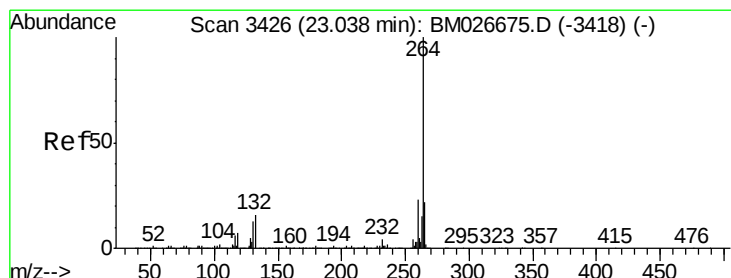
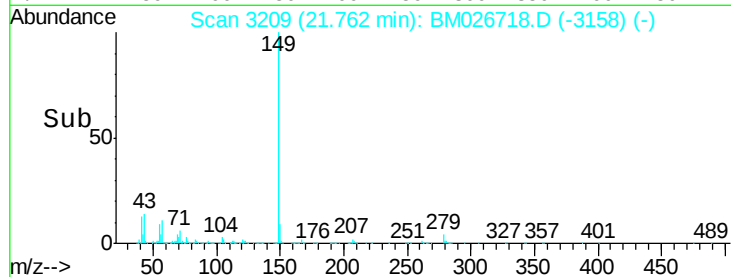
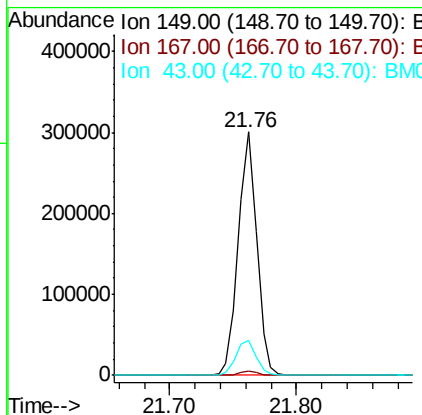
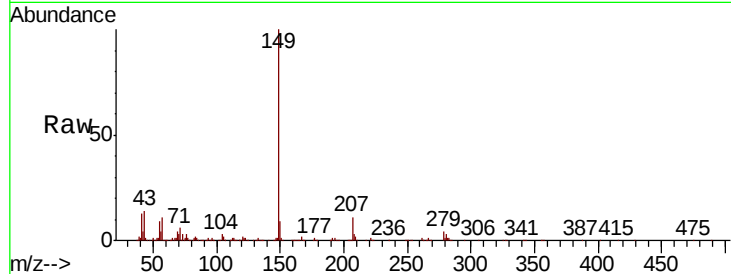
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	149	Resp:	301240
Ion Ratio		Lower	Upper
149	100		
167	1.6	1.3	1.9
43	14.9	11.2	16.8

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#86

Perylene-d12

Concen: 20.000 ng

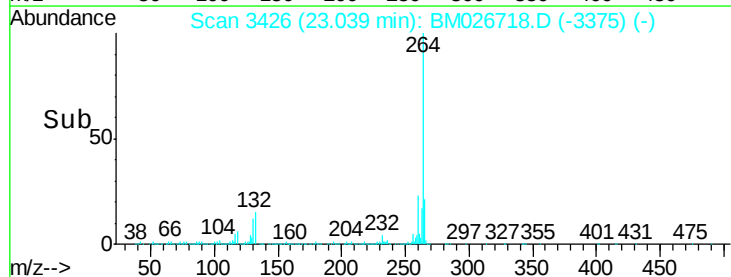
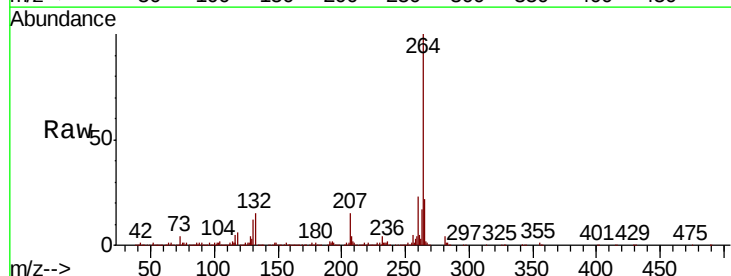
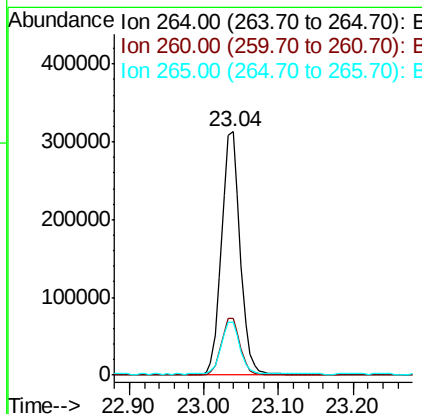
RT: 23.04 min Scan# 3426

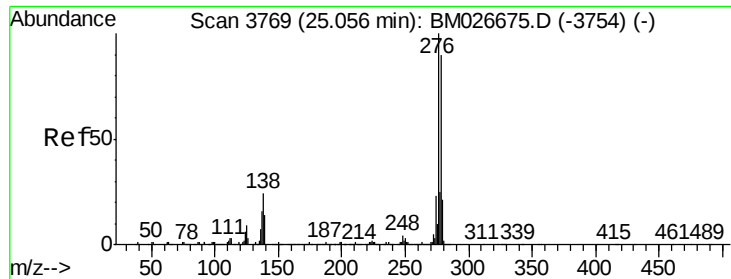
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	264	Resp:	549575
Ion Ratio		Lower	Upper
264	100		
260	23.2	18.2	27.2
265	21.9	17.6	26.4





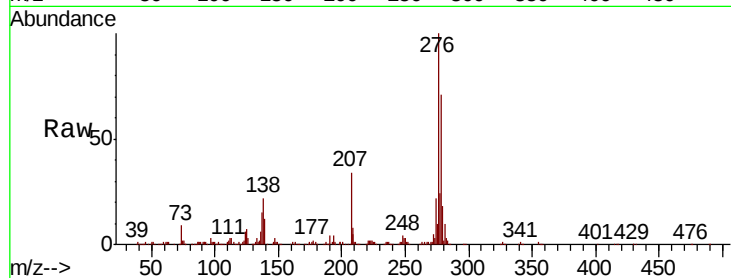
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.875 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.01 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

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

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

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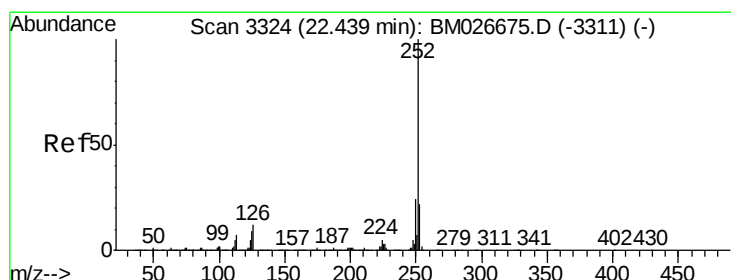
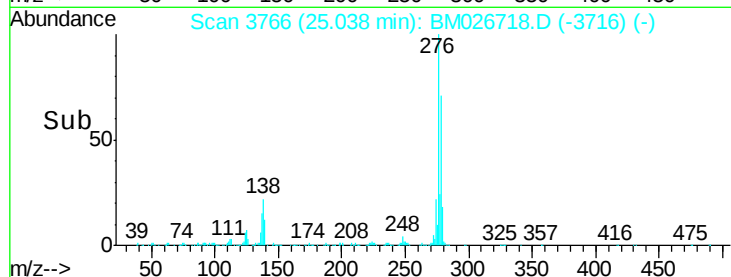
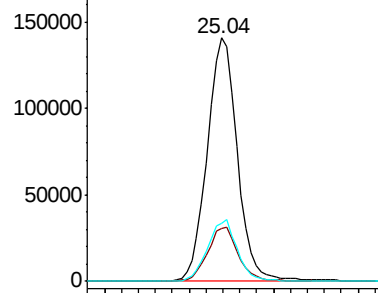


Abundance

Ion 276.00 (275.70 to 276.70): E

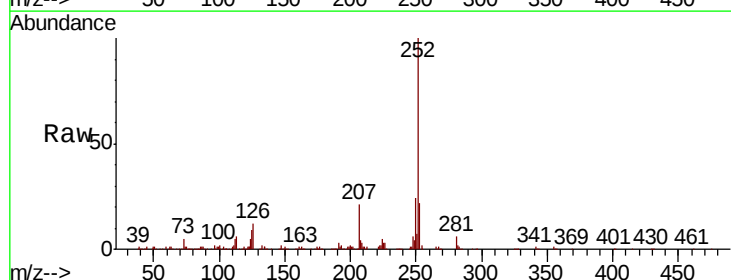
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 8.356 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. 0.00 min
 Lab File: BM026718.D
 Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.0	7.5	11.3

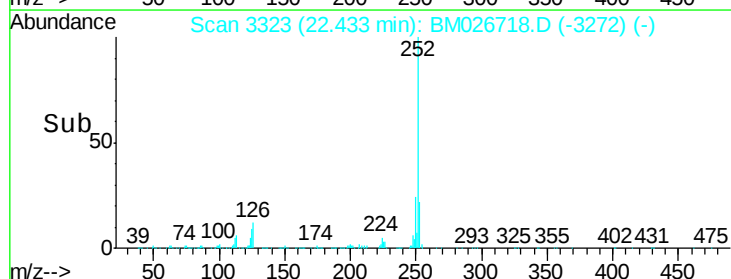
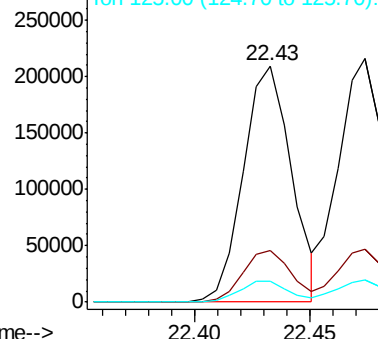


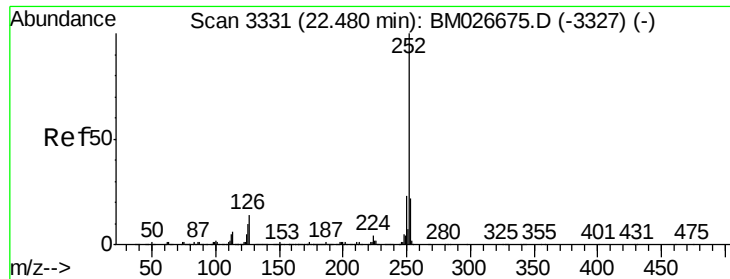
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.864 ng

RT: 22.47 min Scan# 3330

Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Instrument :

BNA_M

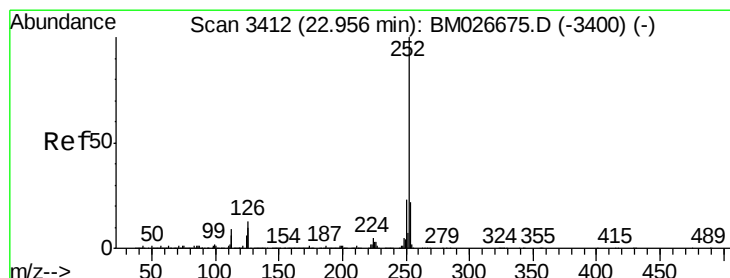
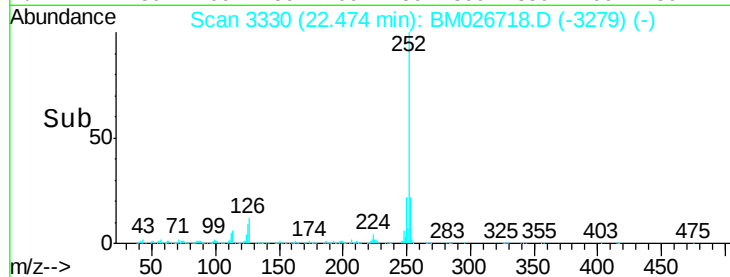
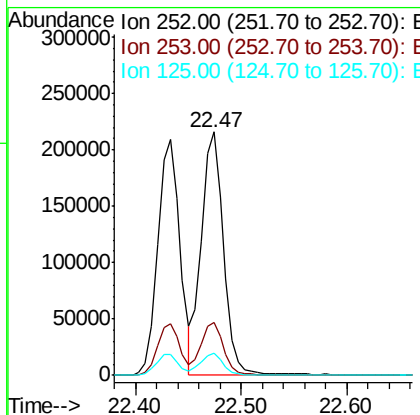
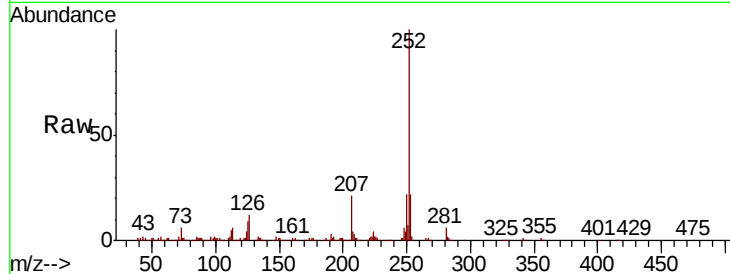
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	252	Resp:	314838
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	9.4	7.8	11.8

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#90

Benzo(a)pyrene

Concen: 8.129 ng

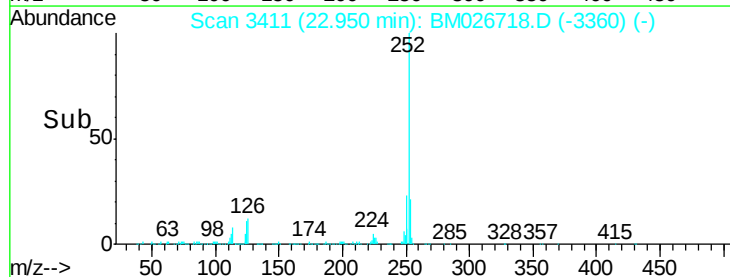
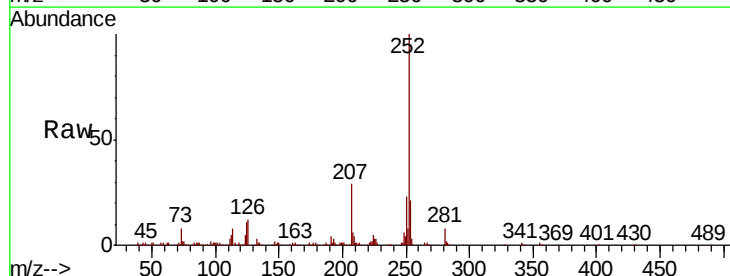
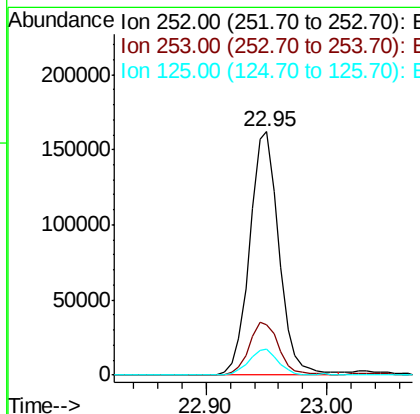
RT: 22.95 min Scan# 3411

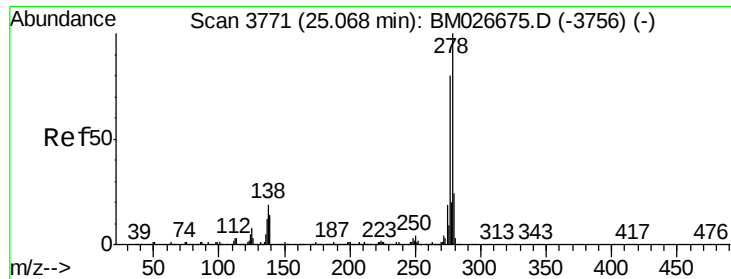
Delta R.T. 0.00 min

Lab File: BM026718.D

Acq: 09 Jul 2020 14:30

Tgt Ion:	252	Resp:	273265
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.4	26.2
125	10.6	8.2	12.4





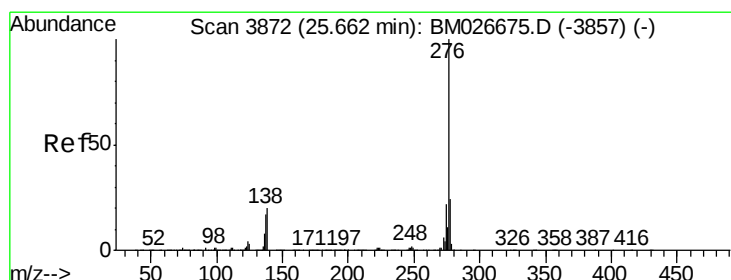
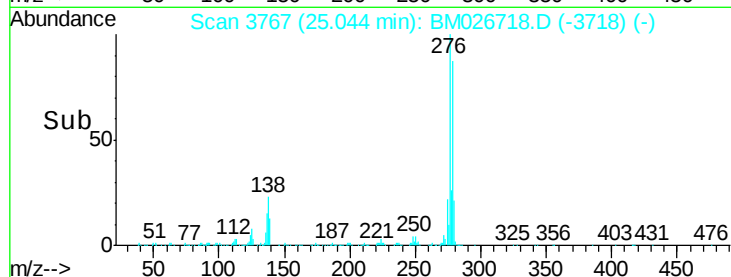
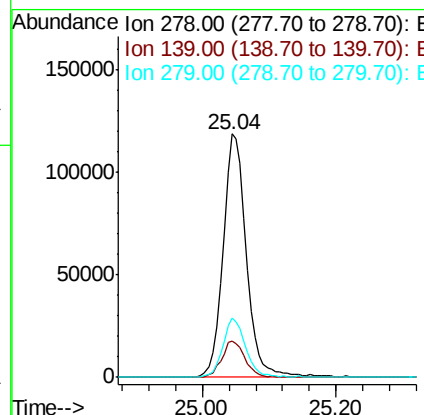
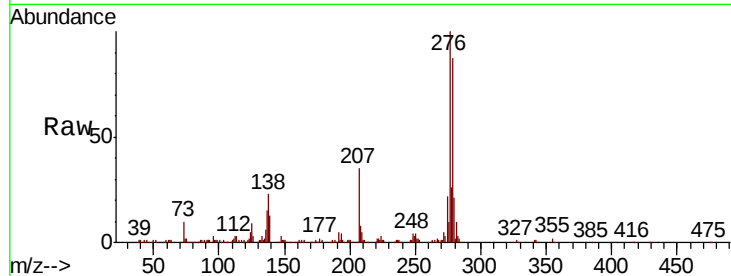
#91
Dibenzo(a,h)anthracene
Concen: 8.871 ng
RT: 25.04 min Scan# 3767
Delta R.T. -0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.2	16.8
279	24.2	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/10/2020 11:51:29 AM



#92
Benzo(g,h,i)perylene
Concen: 9.417 ng
RT: 25.64 min Scan# 3869
Delta R.T. -0.01 min
Lab File: BM026718.D
Acq: 09 Jul 2020 14:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.1	28.7
138	18.3	15.8	23.8

