

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026690.D
 Acq On : 07 Jul 2020 23:20
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-S-10PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 7/9/2020 10:56:46 AM

Quant Time: Jul 08 05:55:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 05:15:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	57532	20.00	ng	0.00
21) Naphthalene-d8	10.08	136	267341	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	187508	20.00	ng	0.00
64) Phenanthrene-d10	16.74	188	434913	20.00	ng	0.00
76) Chrysene-d12	20.96	240	513670	20.00	ng	-0.01
86) Perylene-d12	23.03	264	528826	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	618355	180.15	ng	0.00
7) Phenol-d6	6.54	99	936551	171.25	ng	0.00
23) Nitrobenzene-d5	8.48	82	958379	152.94	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	534638	195.74	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	2153909	152.74	ng	0.00
79) Terphenyl-d14	19.42	244	4024241	154.18	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.95	88	19165	11.620	ng	99
3) Pyridine	3.36	79	35239	7.470	ng	97
4) n-Nitrosodimethylamine	3.27	42	25645	9.083	ng	# 92
6) Aniline	6.67	93	65191	9.712	ng	97
8) 2-Chlorophenol	6.90	128	39230	9.595	ng	96
9) Benzaldehyde	6.49	77	43848	14.446	ng	95
10) Phenol	6.56	94	51603	9.547	ng	93
11) bis(2-Chloroethyl)ether	6.78	93	43015	9.518	ng	98
12) 1,3-Dichlorobenzene	7.22	146	42442	9.549	ng	98
13) 1,4-Dichlorobenzene	7.36	146	43394	9.592	ng	98
14) 1,2-Dichlorobenzene	7.67	146	42155	9.354	ng	98
15) Benzyl Alcohol	7.59	79	41457	8.860	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.86	45	88745	9.514	ng	99
17) 2-Methylphenol	7.79	107	34761	8.462	ng	99
18) Hexachloroethane	8.38	117	16917	9.415	ng	98
19) n-Nitroso-di-n-propylamine	8.14	70	43093	9.470	ng	99
20) 3+4-Methylphenols	8.12	107	45839	8.117	ng	97
22) Acetophenone	8.15	105	73887	9.726	ng	# 96
24) Nitrobenzene	8.52	77	64830	9.834	ng	99
25) Isophorone	9.04	82	107917	8.981	ng	99
26) 2-Nitrophenol	9.22	139	19861	8.163	ng	91
27) 2,4-Dimethylphenol	9.30	122	38316	9.684	ng	92
28) bis(2-Chloroethoxy)methane	9.53	93	62455	9.408	ng	99
29) 2,4-Dichlorophenol	9.76	162	37315	8.564	ng	95
30) 1,2,4-Trichlorobenzene	9.96	180	43910	9.033	ng	99
31) Naphthalene	10.13	128	137502	9.247	ng	99
32) Benzoic acid	9.42	122	13709m	4.566	ng	
33) 4-Chloroaniline	10.27	127	56574	8.698	ng	96
34) Hexachlorobutadiene	10.42	225	28858	8.964	ng	98
35) Caprolactam	11.05	113	13114	8.497	ng	90
36) 4-Chloro-3-methylphenol	11.41	107	48365	8.783	ng	98
37) 2-Methylnaphthalene	11.76	142	104472	9.485	ng	97
38) 1-Methylnaphthalene	11.99	142	99430	9.422	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	58062	9.579	ng	99

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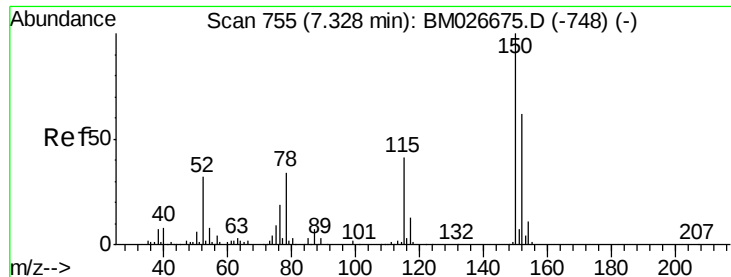
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	19974	6.906	nq	97
43) 2,4,6-Trichlorophenol	12.40	196	33037	8.320	nq	97
44) 2,4,5-Trichlorophenol	12.49	196	35976	7.710	nq	97
46) 1,1'-Biphenyl	12.81	154	147878	9.984	nq	99
47) 2-Chloronaphthalene	12.85	162	105970	8.857	nq	99
48) 2-Nitroaniline	13.07	65	38185	7.755	nq	99
49) Acenaphthylene	13.70	152	173263	9.058	nq	98
50) Dimethylphthalate	13.47	163	146235	9.118	nq	99
51) 2,6-Dinitrotoluene	13.59	165	30693	8.937	nq	95
52) Acenaphthene	14.05	154	103994	8.946	nq	98
53) 3-Nitroaniline	13.92	138	26457	7.405	nq	99
54) 2,4-Dinitrophenol	14.15	184	9672	4.812	nq	# 87
55) Dibenzofuran	14.39	168	173984	9.128	nq	98
56) 4-Nitrophenol	14.26	139	18514	6.603	nq	93
57) 2,4-Dinitrotoluene	14.39	165	39260	7.920	nq	# 91
58) Fluorene	15.05	166	139588	8.845	nq	99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	36018	8.839	nq	97
60) Diethylphthalate	14.85	149	152049	8.966	nq	98
61) 4-Chlorophenyl-phenylether	15.06	204	74599	8.725	nq	99
62) 4-Nitroaniline	15.09	138	21409	5.741	nq	97
63) Azobenzene	15.35	77	170087	9.131	nq	96
65) 4,6-Dinitro-2-methylphenol	15.17	198	19210	6.497	nq	97
66) n-Nitrosodiphenylamine	15.27	169	126283	9.137	nq	100
67) 4-Bromophenyl-phenylether	15.95	248	45826	8.465	nq	97
68) Hexachlorobenzene	16.06	284	52249	9.171	nq	96
69) Atrazine	16.24	200	45300	10.900	nq	97
70) Pentachlorophenol	16.42	266	23636	7.333	nq	94
71) Phenanthrene	16.79	178	233243	9.084	nq	99
72) Anthracene	16.88	178	234595	9.178	nq	99
73) Carbazole	17.16	167	206255	8.464	nq	97
74) Di-n-butylphthalate	17.74	149	262942	8.582	nq	100
75) Fluoranthene	18.82	202	287388	9.088	nq	99
77) Benzidine	19.03	184	117860	11.638	nq	100
78) Pyrene	19.19	202	299786	9.265	nq	99
80) Butylbenzylphthalate	20.13	149	122837	8.459	nq	97
81) Benzo(a)anthracene	20.95	228	321818	9.327	nq	99
82) 3,3'-Dichlorobenzidine	20.90	252	110765	10.114	nq	99
83) Chrysene	21.00	228	305505	9.097	nq	99
84) Bis(2-ethylhexyl)phthalate	20.92	149	199317	8.568	nq	99
85) Di-n-octyl phthalate	21.76	149	333977	8.400	nq	97
87) Indeno(1,2,3-cd)pyrene	25.04	276	351986	9.350	nq	99
88) Benzo(b)fluoranthene	22.43	252	321192	9.218	nq	99
89) Benzo(k)fluoranthene	22.47	252	325184	9.514	nq	100
90) Benzo(a)pyrene	22.94	252	285926	8.839	nq	99
91) Dibenzo(a,h)anthracene	25.04	278	295018	9.283	nq	98
92) Benzo(g,h,i)perylene	25.64	276	282151	9.635	nq	99

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



#1

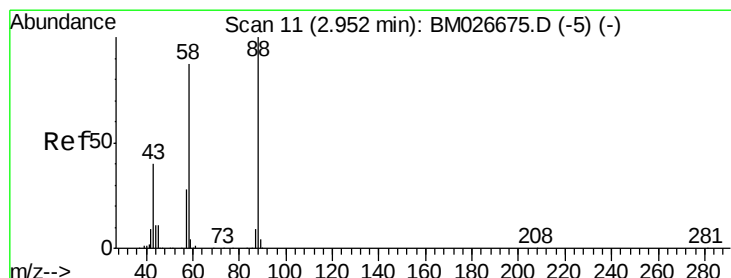
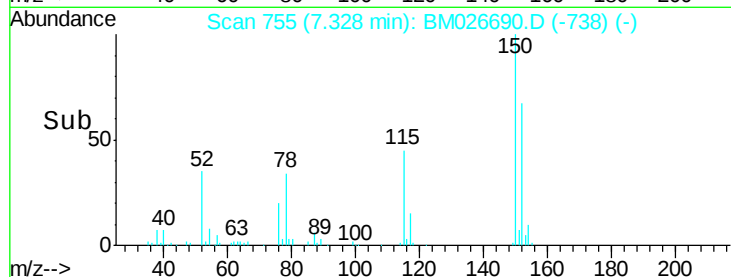
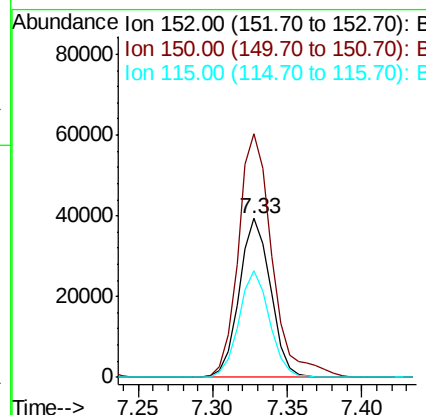
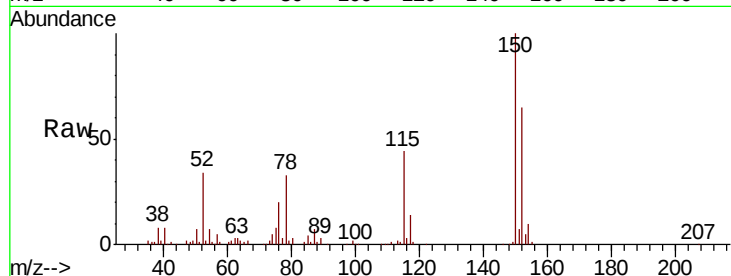
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	128.1	192.1
115	67.0	52.2	78.4

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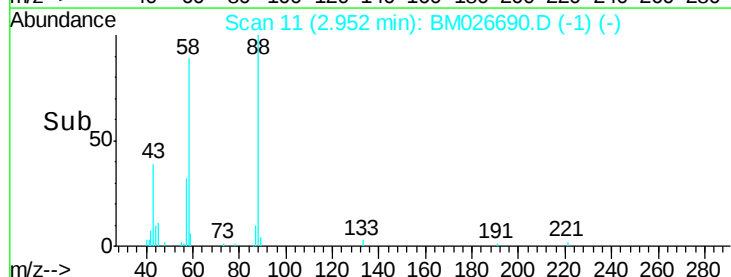
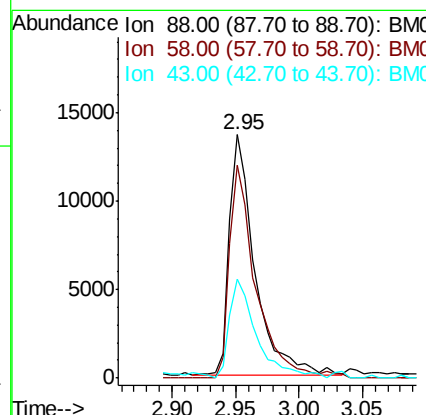
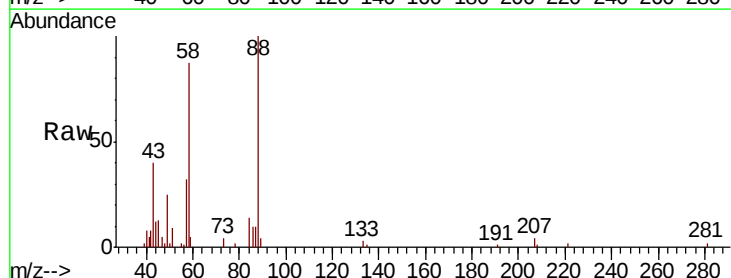
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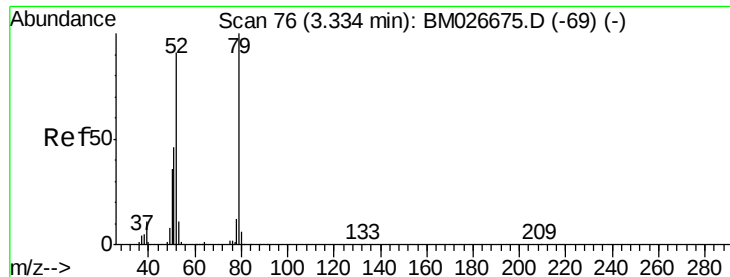


#2

1,4-Dioxane
Concen: 11.620 ng
RT: 2.95 min Scan# 11
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.9	73.2	109.8
43	43.5	34.3	51.5





#3

Pvridine

Concen: 7.470 ng

RT: 3.36 min Scan# 81

Delta R.T. 0.03 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

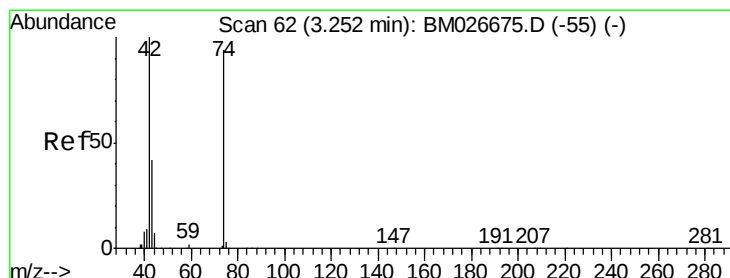
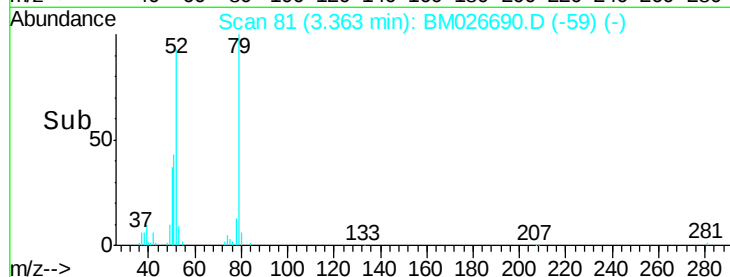
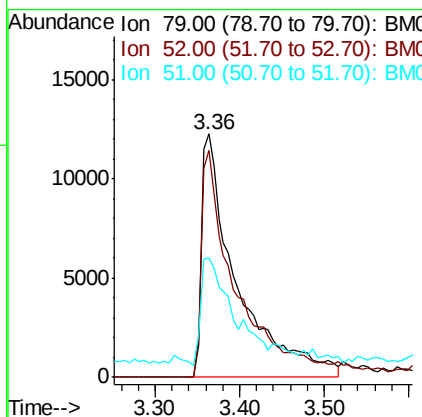
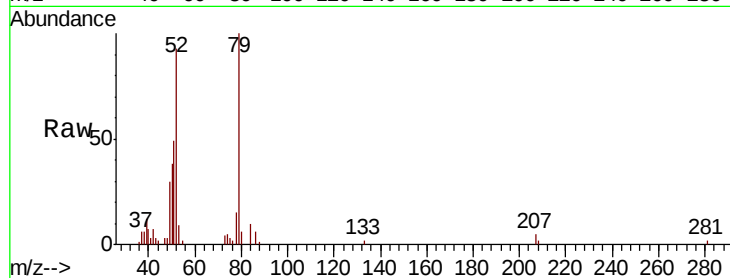
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	35239
Ion	Ratio	Lower	Upper
79	100		
52	93.3	72.9	109.3
51	49.1	37.6	56.4

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#4

n-Nitrosodimethylamine

Concen: 9.083 ng

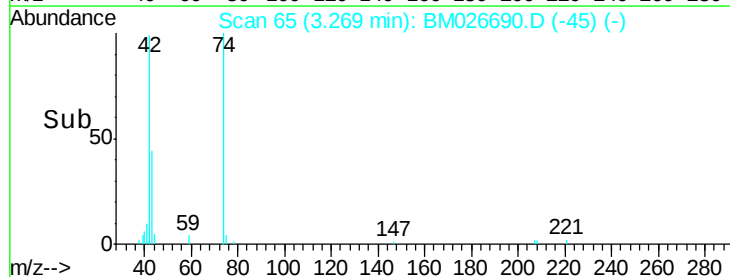
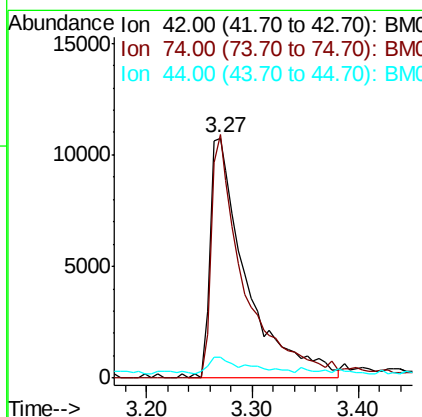
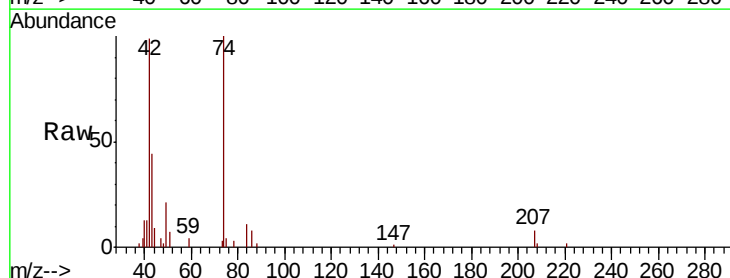
RT: 3.27 min Scan# 65

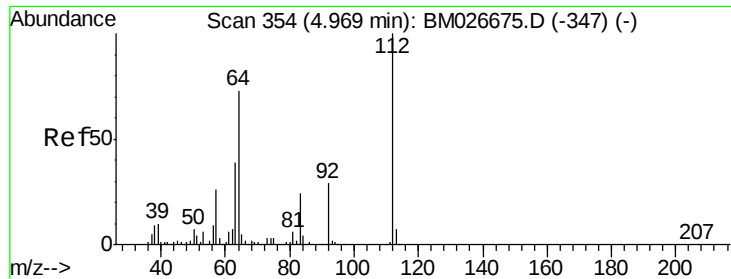
Delta R.T. 0.02 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	42	Resp:	25645
Ion	Ratio	Lower	Upper
42	100		
74	101.4	75.1	112.7
44	8.8	5.7	8.5#





#5

2-Fluorophenol

Concen: 180.147 ng

RT: 4.96 min Scan# 353

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

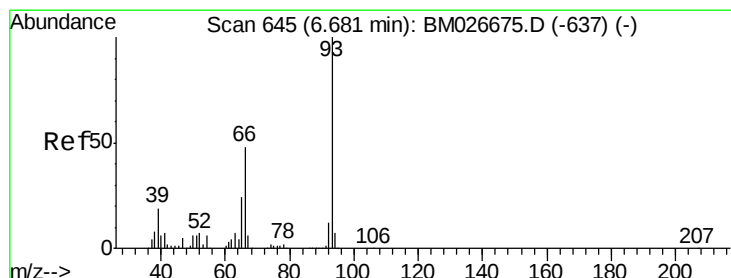
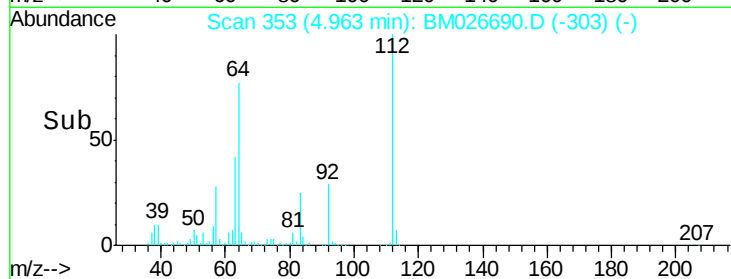
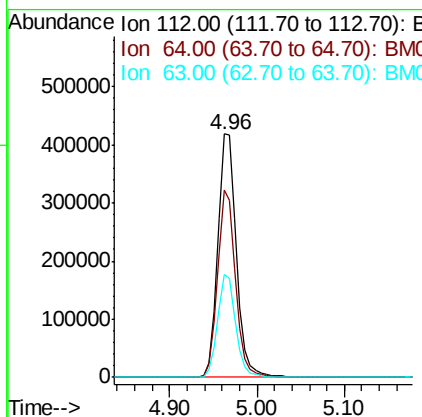
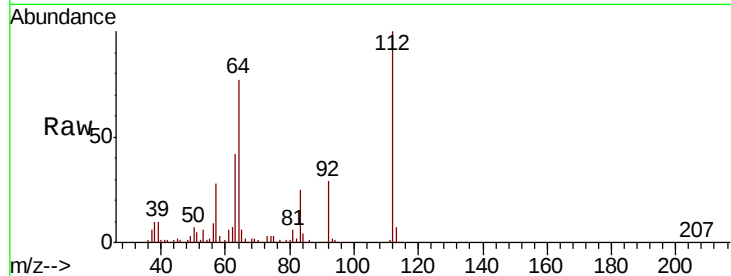
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	112	Resp:	618355
Ion Ratio	Lower	Upper	
112	100		
64	76.8	58.4	87.6
63	42.1	31.5	47.3

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#6

Aniline

Concen: 9.712 ng

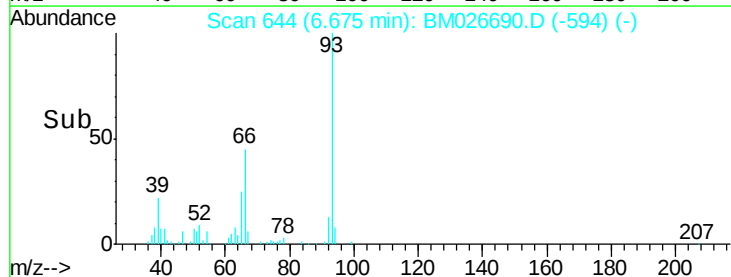
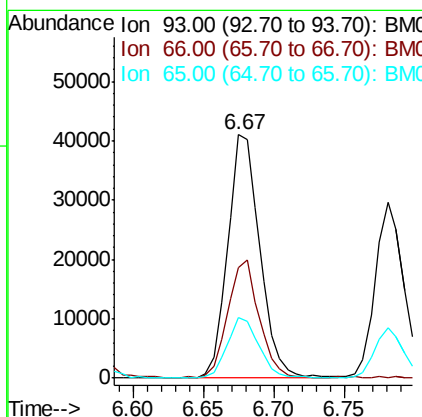
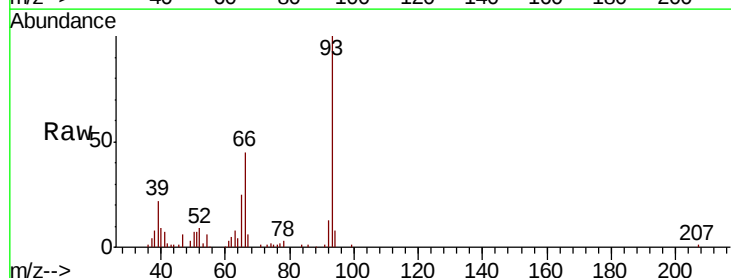
RT: 6.67 min Scan# 644

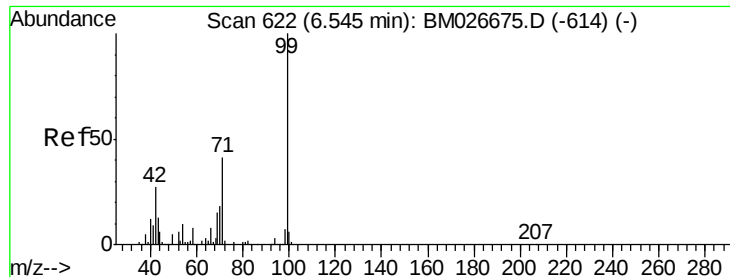
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	93	Resp:	65191
Ion Ratio	Lower	Upper	
93	100		
66	45.3	38.2	57.4
65	24.7	19.6	29.4





#7

Phenol-d6

Concen: 171.252 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

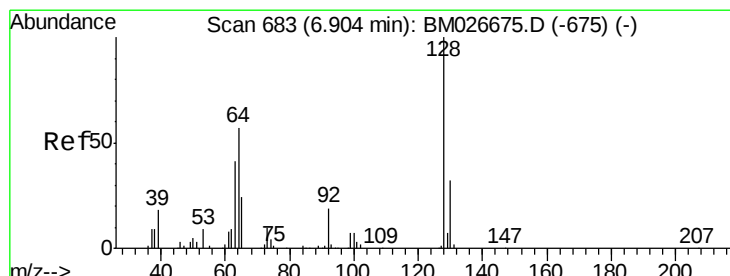
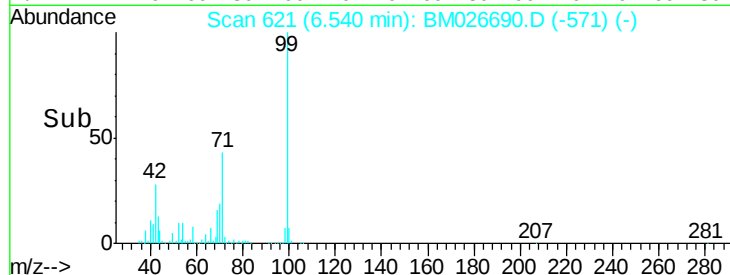
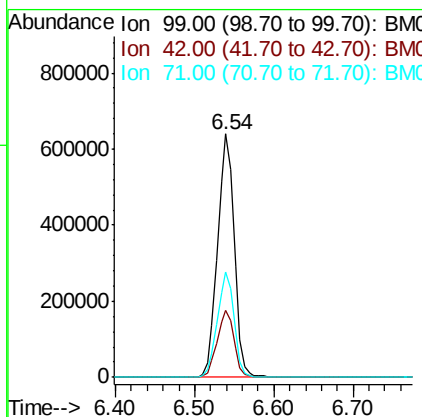
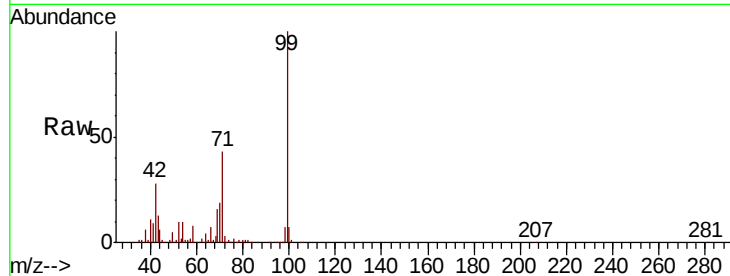
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	99	Resp:	936551
Ion Ratio	Lower	Upper	
99	100		
42	27.8	21.7	32.5
71	43.4	33.2	49.8

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#8

2-Chlorophenol

Concen: 9.595 ng

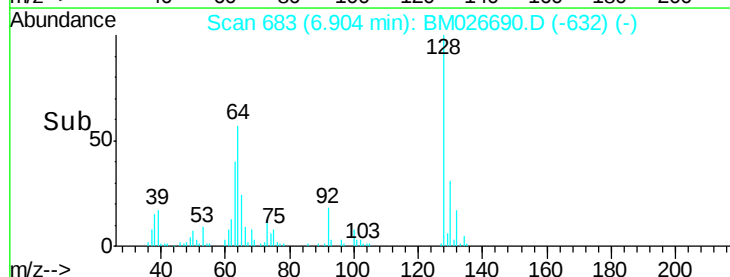
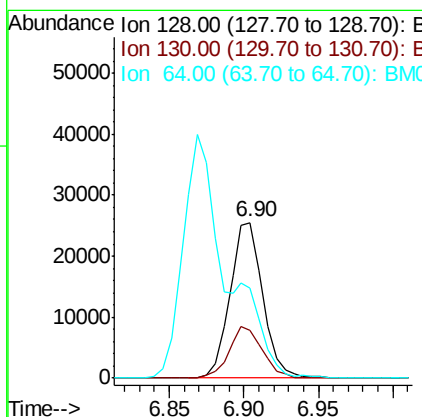
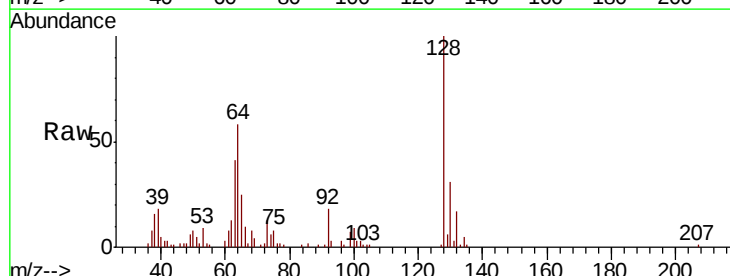
RT: 6.90 min Scan# 683

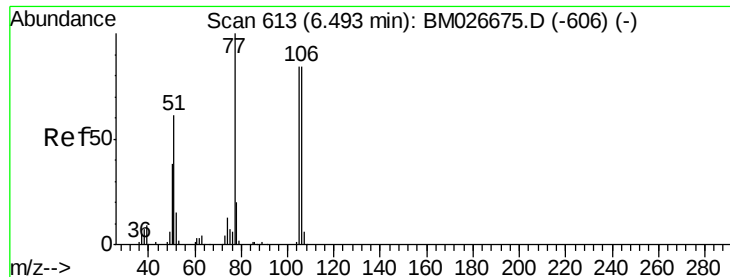
Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	128	Resp:	39230
Ion Ratio	Lower	Upper	
128	100		
130	30.5	12.2	52.2
64	57.8	41.4	81.4





#9

Benzaldehyde

Concen: 14.446 ng

RT: 6.49 min Scan# 613

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 77 Resp: 43848

Ion Ratio Lower Upper

77 100

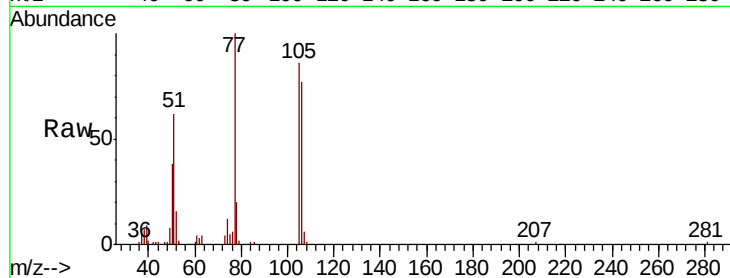
105 86.1 64.4 104.4

106 77.4 64.3 104.3

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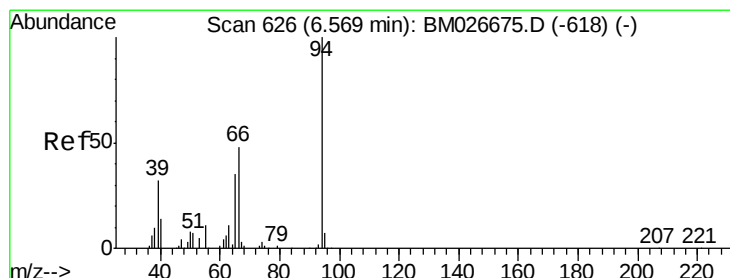
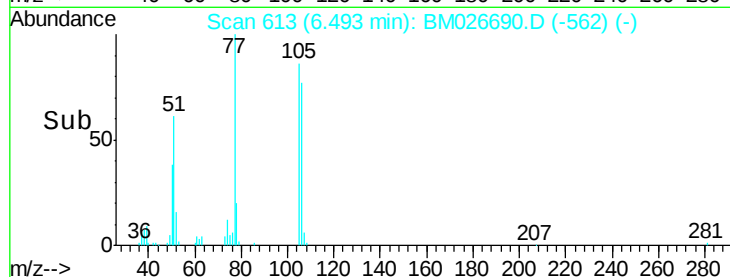
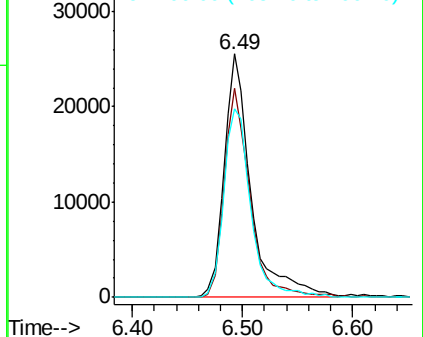
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Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



#10

Phenol

Concen: 9.547 ng

RT: 6.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

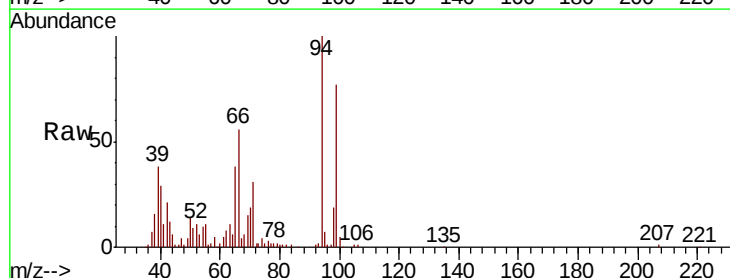
Tgt Ion: 94 Resp: 51603

Ion Ratio Lower Upper

94 100

65 37.6 15.5 55.5

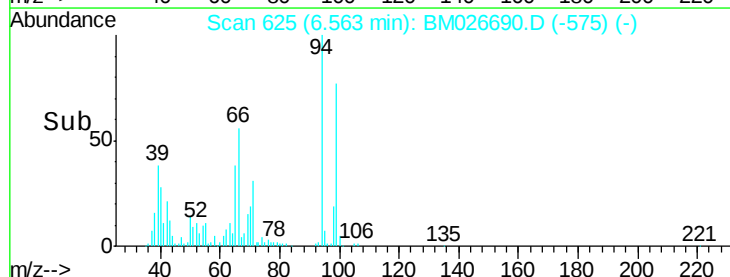
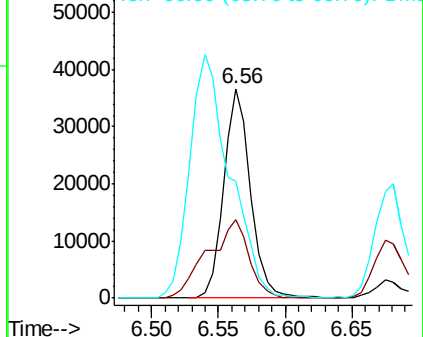
66 56.1 29.8 69.8

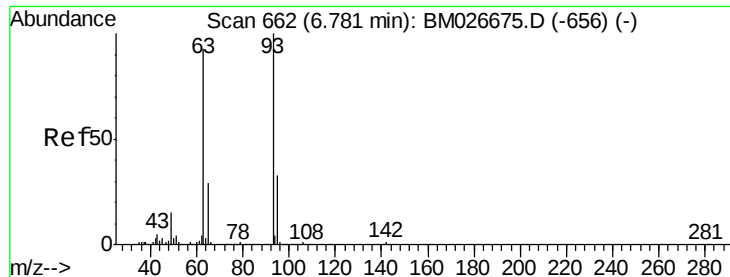


Abundance Ion 94.00 (93.70 to 94.70): BM0

Ion 65.00 (64.70 to 65.70): BM0

Ion 66.00 (65.70 to 66.70): BM0





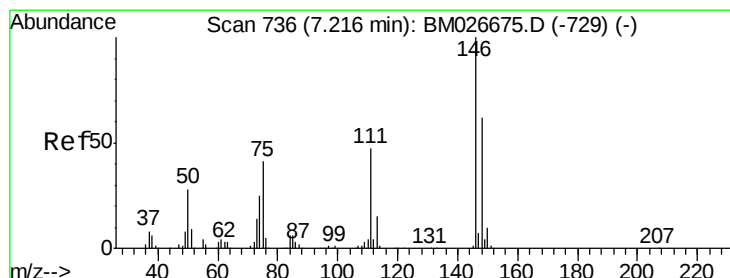
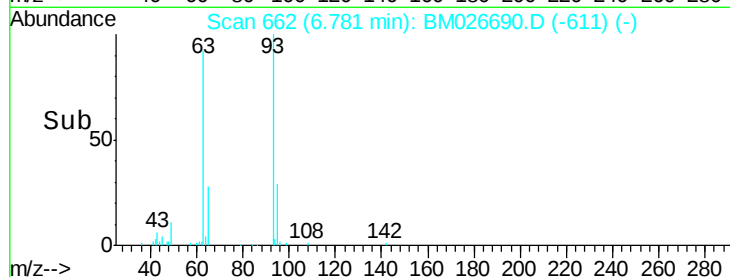
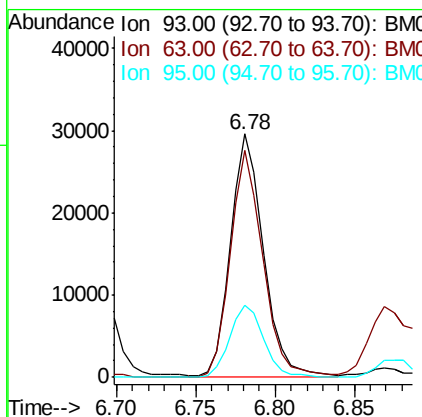
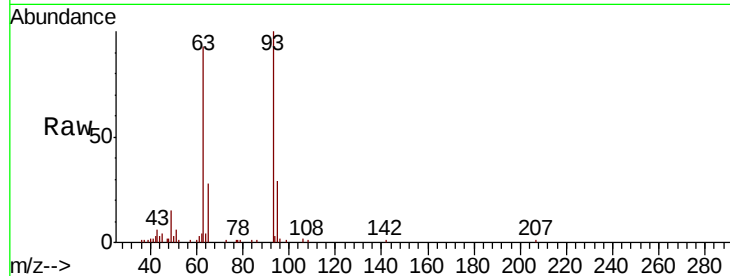
#11
bis(2-Chloroethyl)ether
Concen: 9.518 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	93.0	72.6	112.6
95	29.4	12.3	52.3

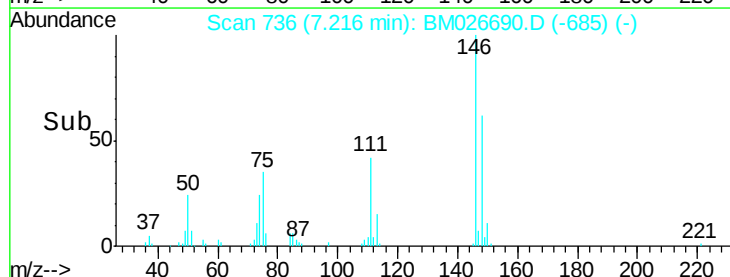
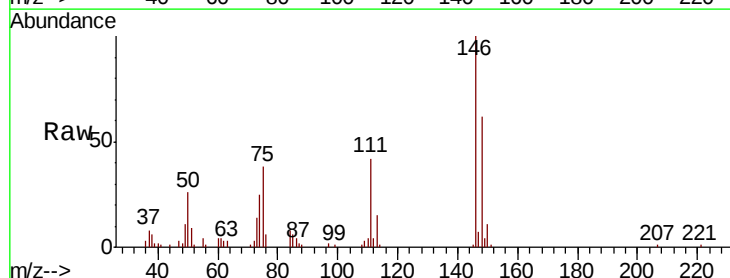
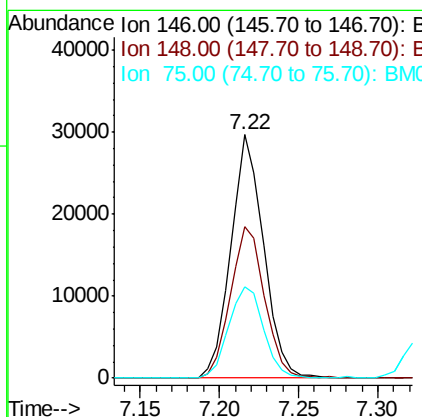
Manual Integrations
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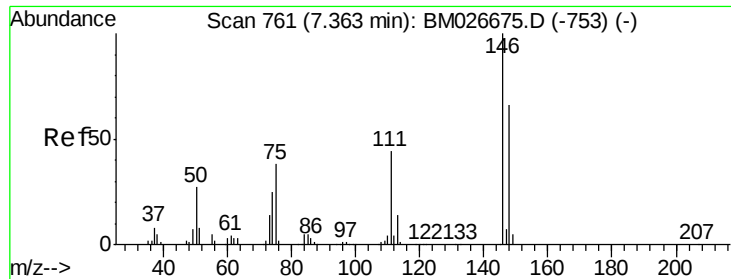
mohammad
7/9/2020 10:56:46 AM



#12
1,3-Dichlorobenzene
Concen: 9.549 ng
RT: 7.22 min Scan# 736
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	49.7	74.5
75	37.7	32.7	49.1





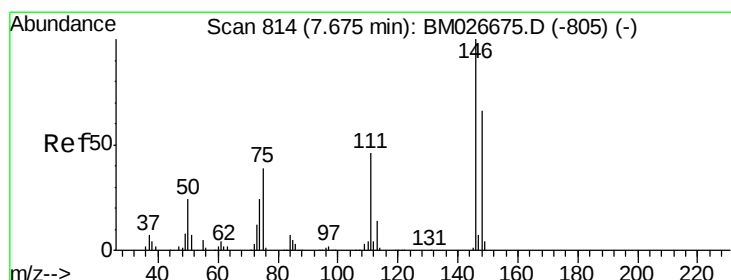
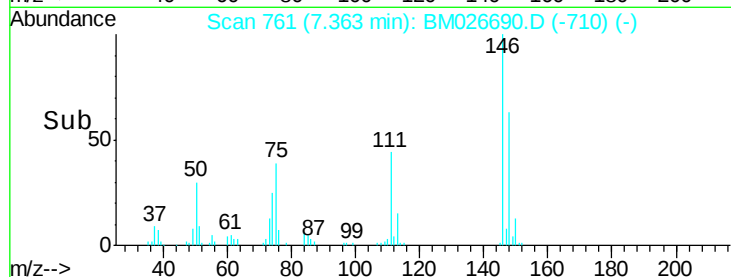
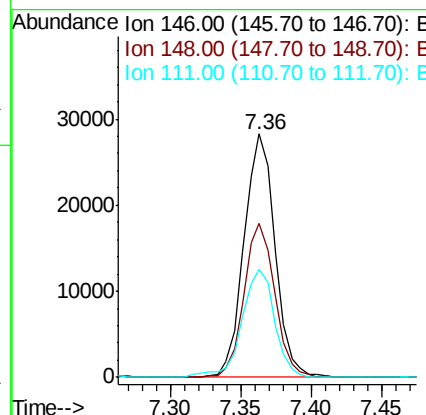
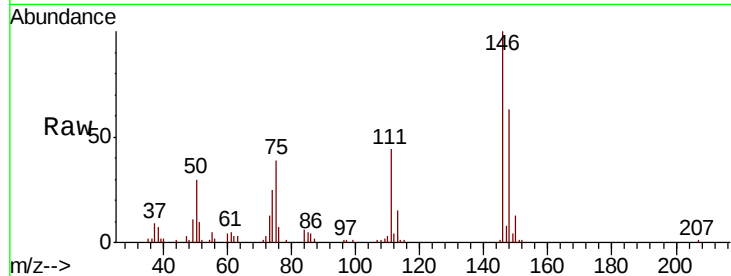
#13
 1,4-Dichlorobenzene
 Concen: 9.592 ng
 RT: 7.36 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.4	78.6
111	44.4	35.6	53.4

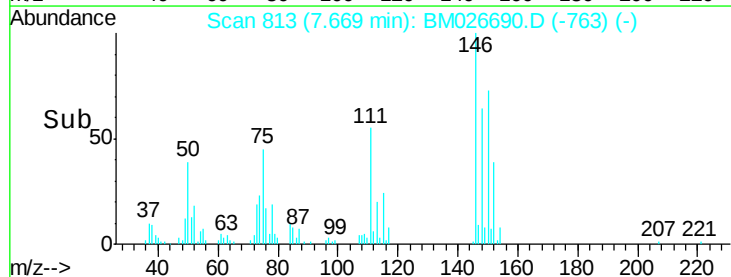
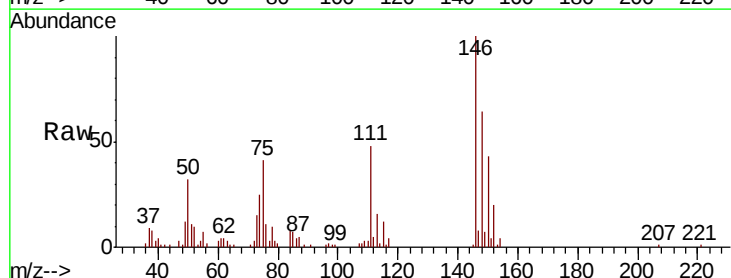
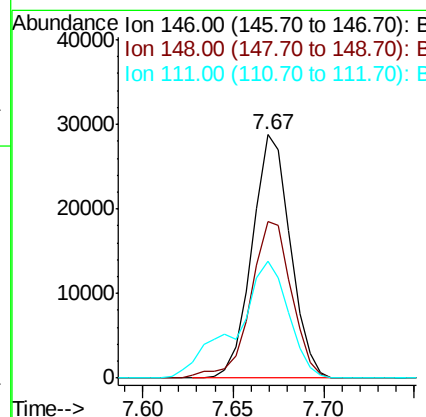
Manual Integrations
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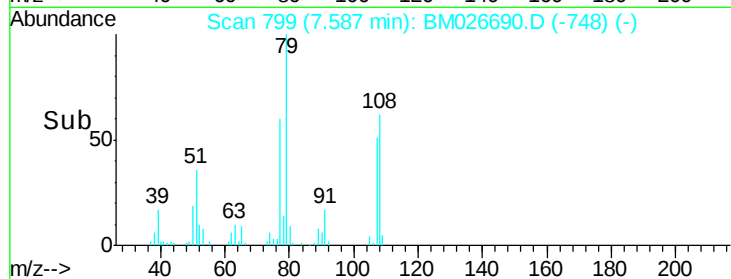
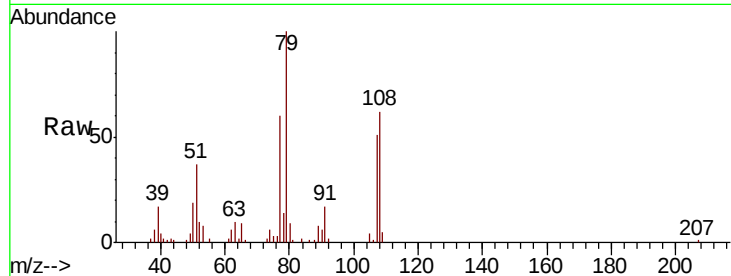
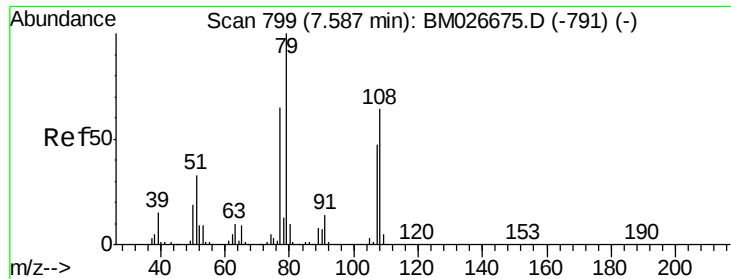
mohammad
 7/9/2020 10:56:46 AM



#14
 1,2-Dichlorobenzene
 Concen: 9.354 ng
 RT: 7.67 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.6	78.8
111	47.8	37.2	55.8





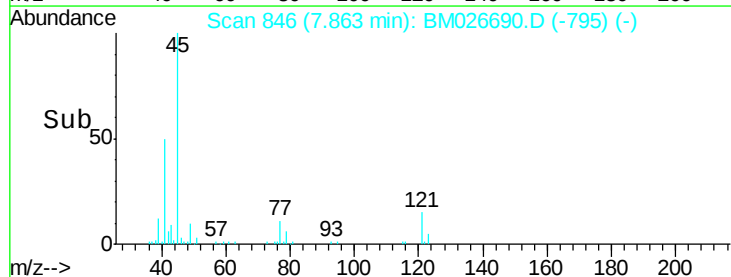
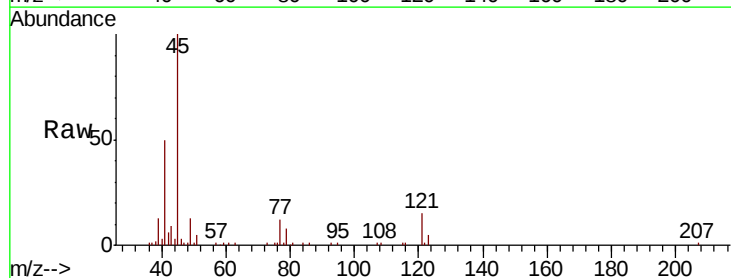
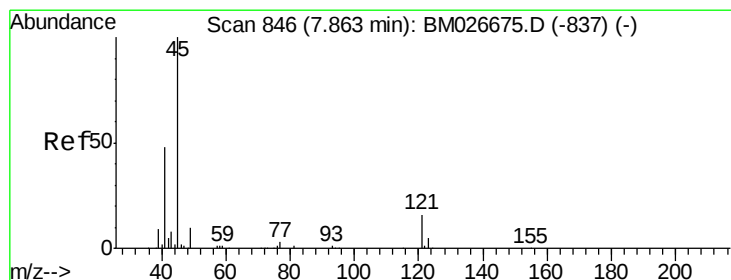
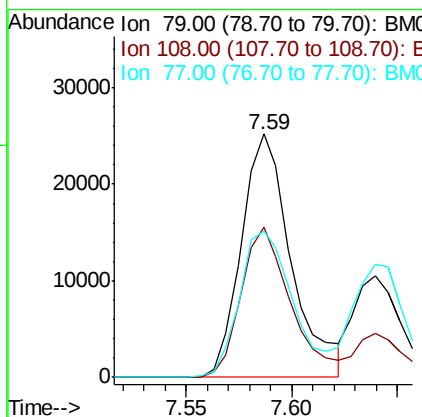
#15
Benzyl Alcohol
Concen: 8.860 ng
RT: 7.59 min Scan# 799
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tot Ion	Ratio	Lower	Upper
79	100		
108	61.7	51.0	76.4
77	60.3	52.1	78.1

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

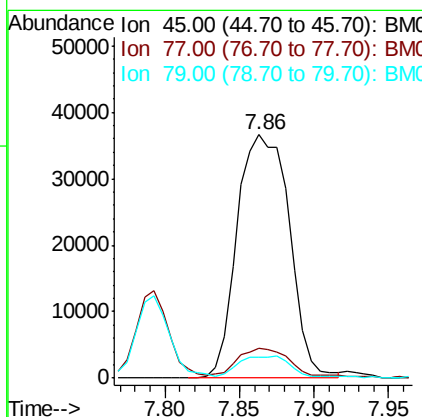
Manual Integrations
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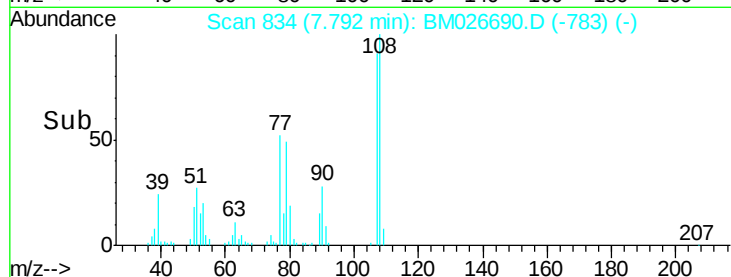
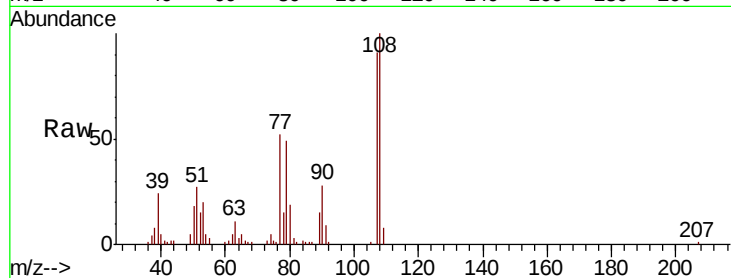
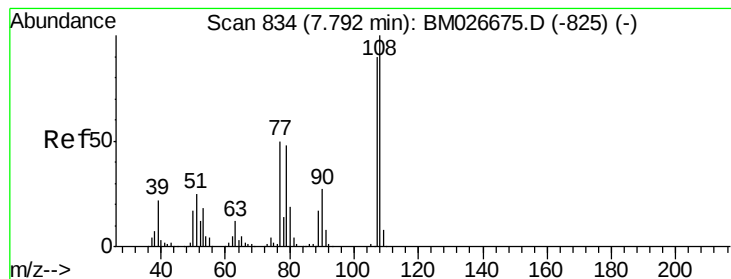
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.514 ng
RT: 7.86 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.4
79	8.5	0.0	28.4





#17

2-Methylphenol

Concen: 8.462 ng

RT: 7.79 min Scan# 834

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tot Ion	107	Resp	34761
Ion Ratio	Lower	Upper	
107	100		
108	109.8	89.4	134.0
77	57.5	45.2	67.8
79	53.8	42.8	64.2

Instrument :

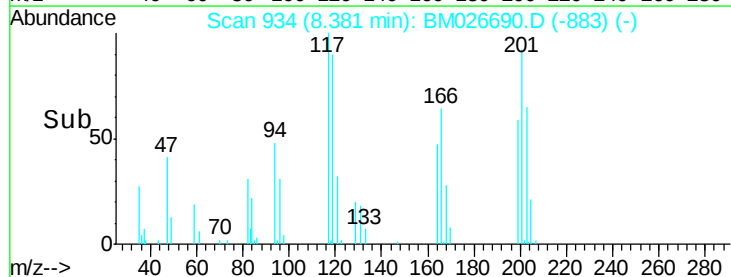
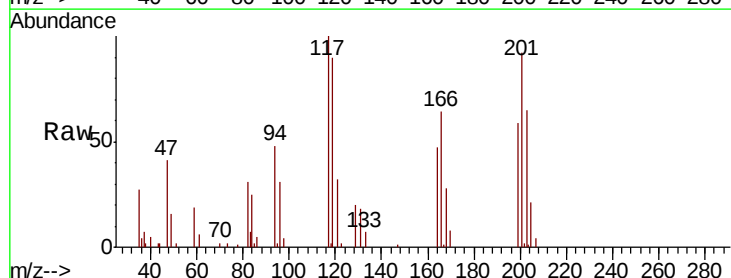
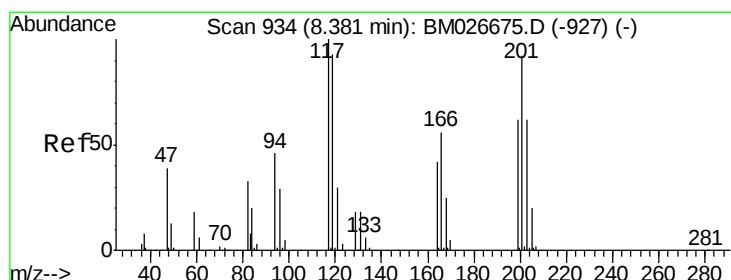
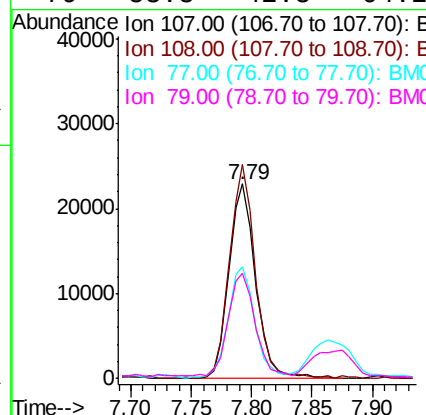
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Manual Integrations
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#18

Hexachloroethane

Concen: 9.415 ng

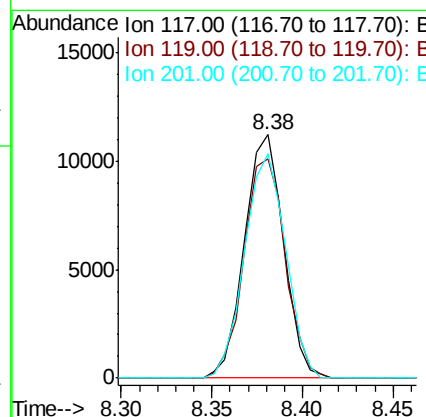
RT: 8.38 min Scan# 934

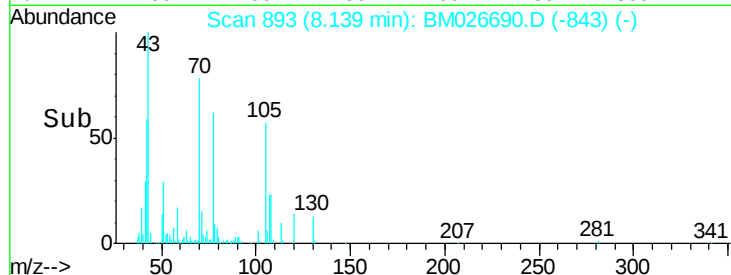
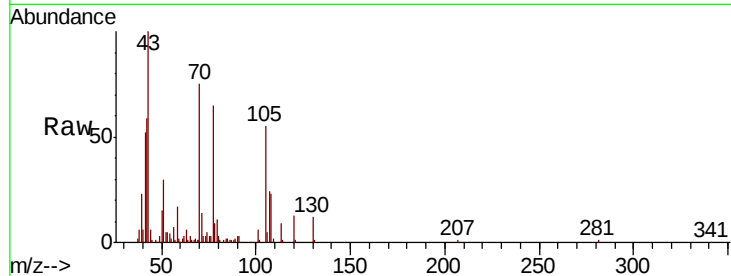
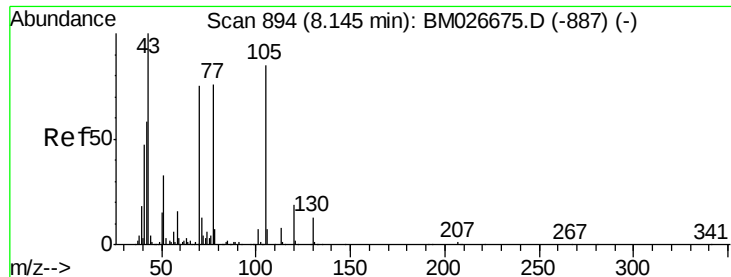
Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion	117	Resp	16917
Ion Ratio	Lower	Upper	
117	100		
119	90.1	74.2	111.2
201	93.9	73.6	110.4





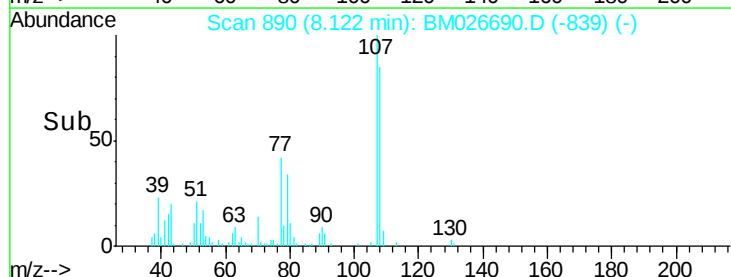
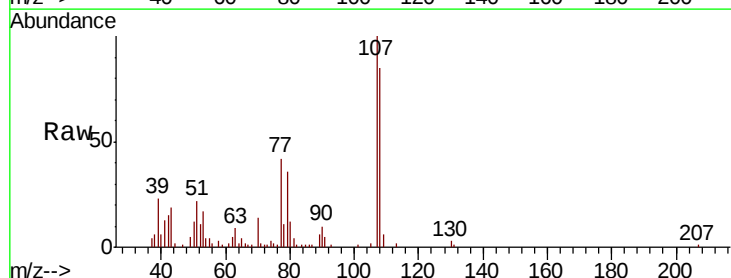
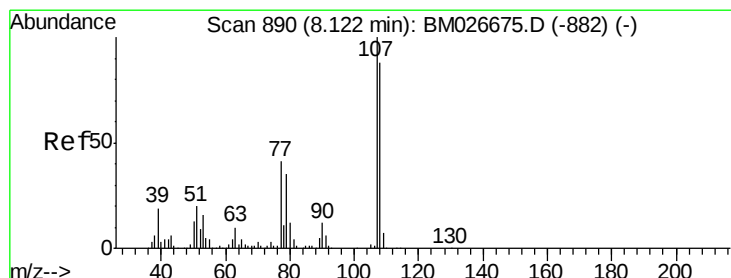
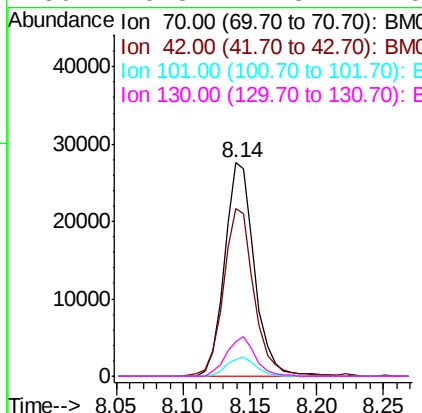
#19
n-Nitroso-di-n-propylamine
Concen: 9.470 ng
RT: 8.14 min Scan# 893
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	78.3	62.3	93.5
101	7.8	7.1	10.7
130	16.3	14.3	21.5

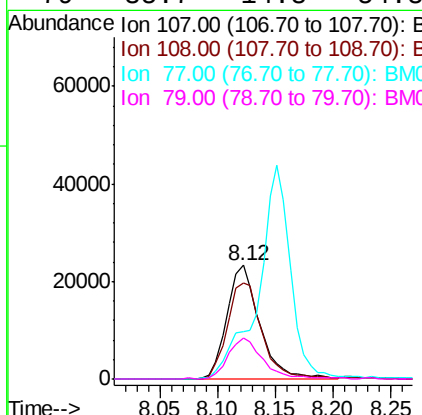
Manual Integrations
APPROVED

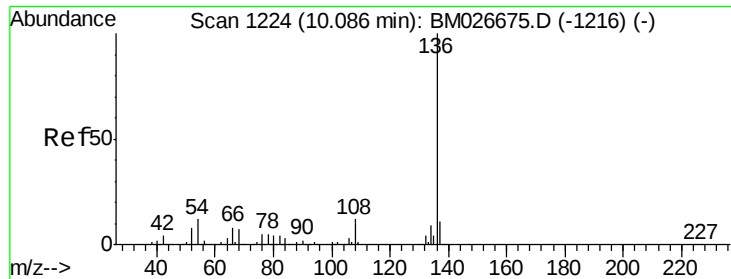
mohammad
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#20
3+4-Methylphenols
Concen: 8.117 ng
RT: 8.12 min Scan# 890
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.0	68.5	108.5
77	42.3	20.8	60.8
79	35.7	14.8	54.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.08 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

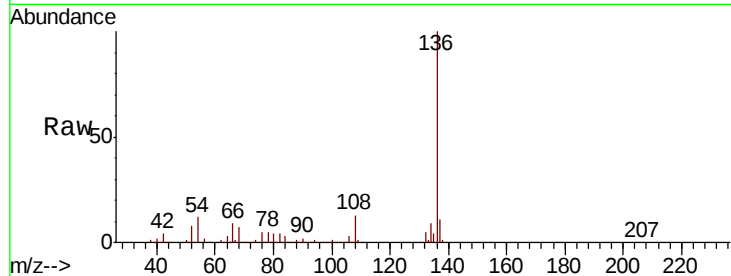
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		267341		
137	11.0	8.6	12.8		
54	12.3	9.8	14.6		
68	6.8	5.8	8.6		

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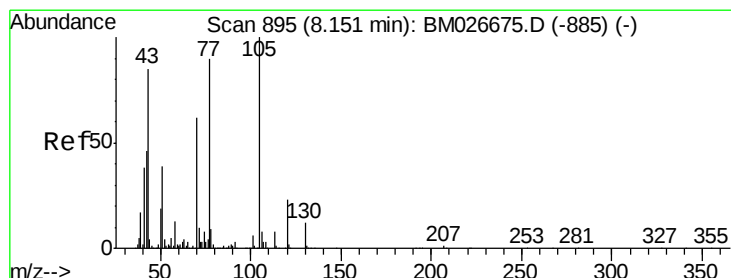
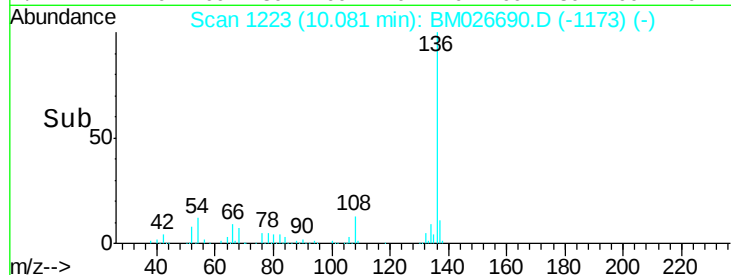
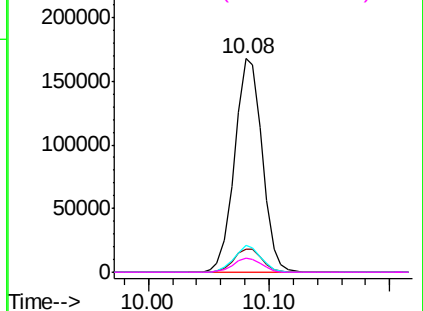
Abundance

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: 9.726 ng

RT: 8.15 min Scan# 895

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		73887		
71	5.5	8.1	12.1#		
51	42.1	31.9	47.9		
120	22.9	18.0	27.0		

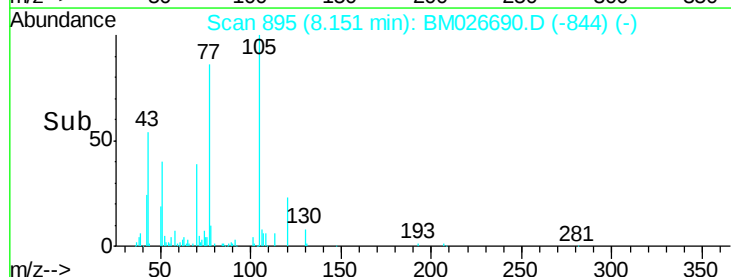
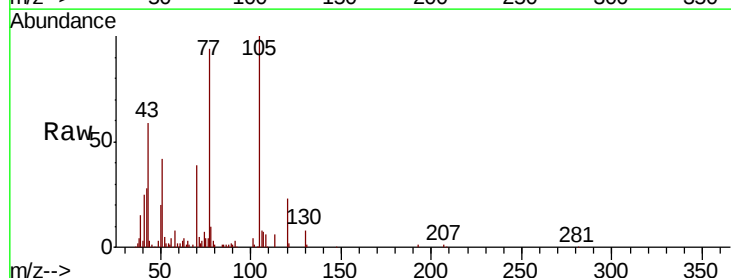
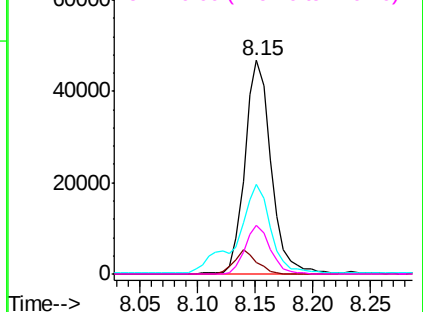
Abundance

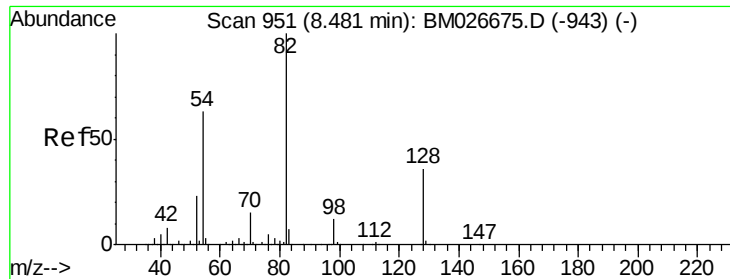
Ion 105.00 (104.70 to 105.70): E

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





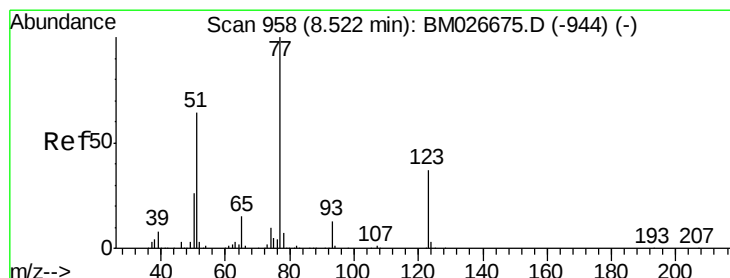
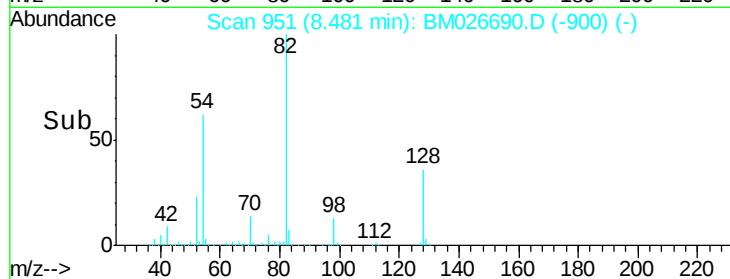
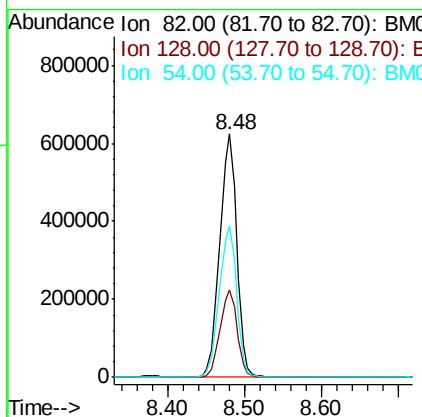
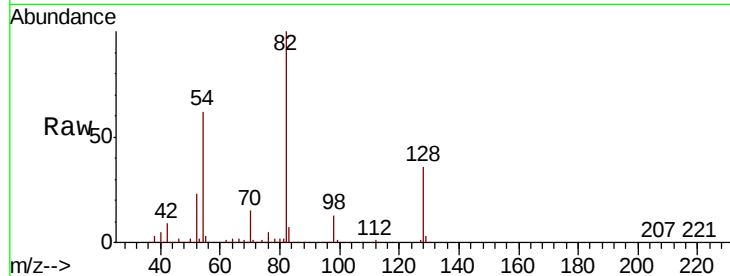
#23
 Nitrobenzene-d5
 Concen: 152.941 ng
 RT: 8.48 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.1	43.7
54	62.1	50.2	75.4

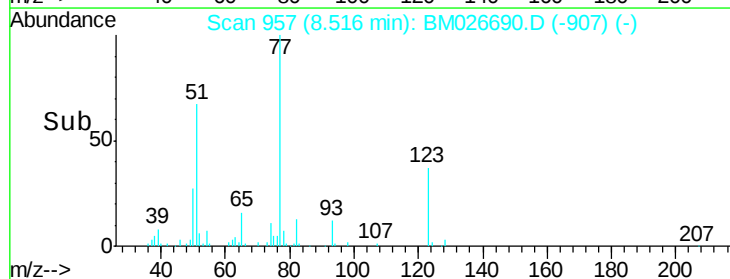
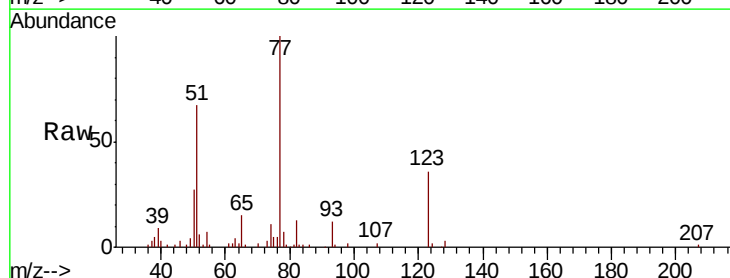
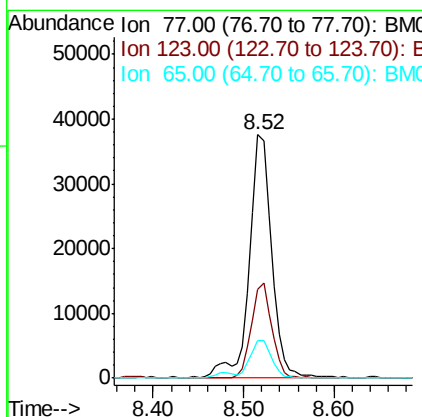
Manual Integrations
 APPROVED

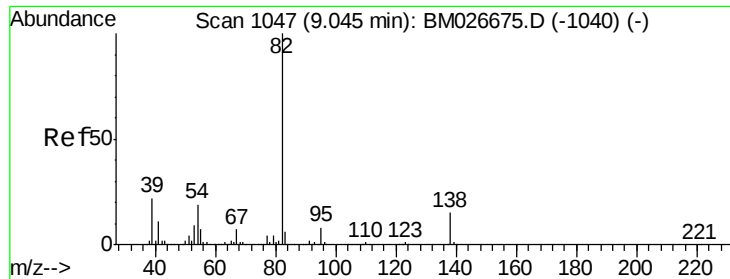
mohammad
 7/9/2020 10:56:46 AM



#24
 Nitrobenzene
 Concen: 9.834 ng
 RT: 8.52 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.2	29.8	44.6
65	15.3	12.2	18.4





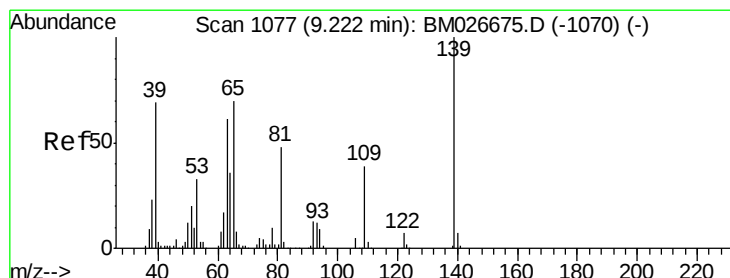
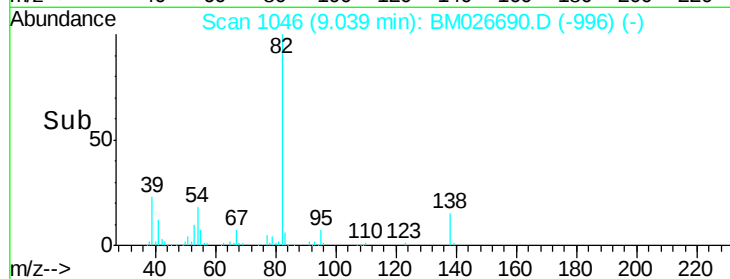
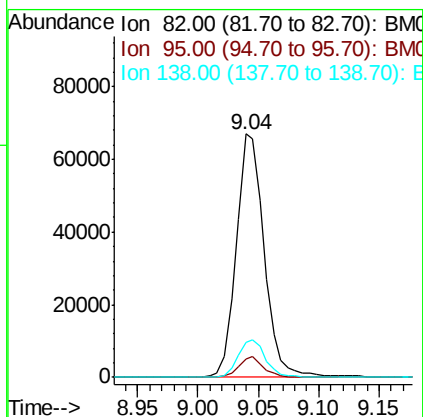
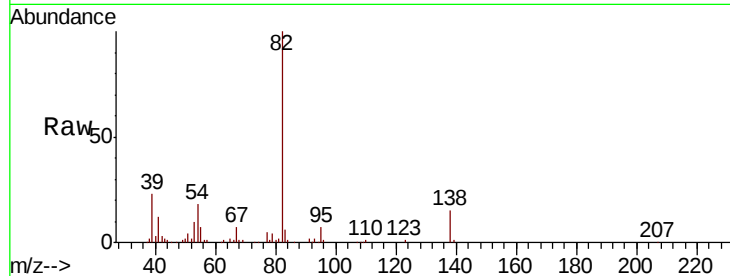
#25
Isophorone
Concen: 8.981 ng
RT: 9.04 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	107917		
95	7.4		6.3	9.5
138	14.5		12.0	18.0

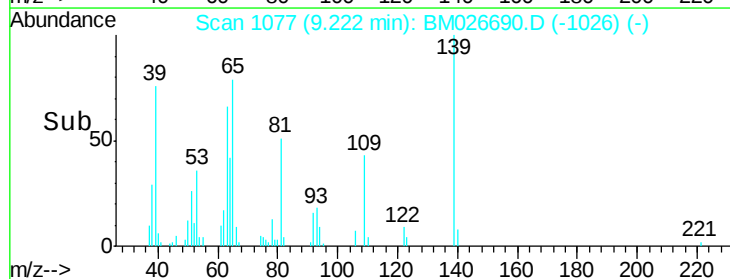
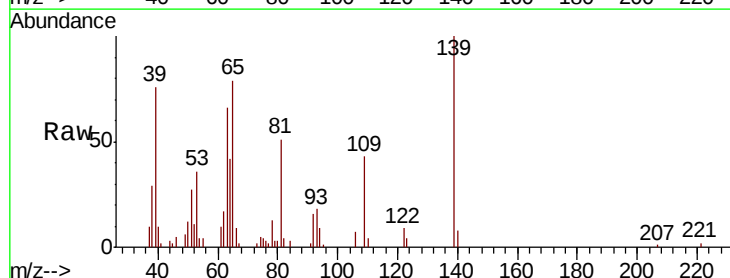
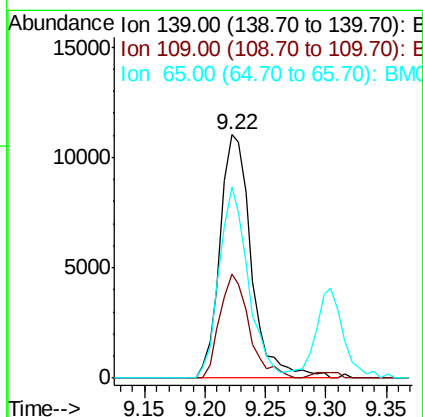
Manual Integrations
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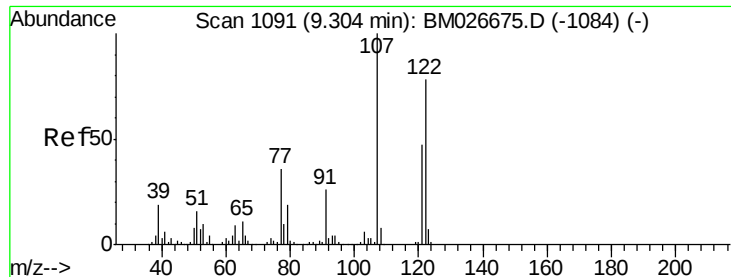
mohammad
7/9/2020 10:56:46 AM



#26
2-Nitrophenol
Concen: 8.163 ng
RT: 9.22 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	19861		
109	43.0		30.8	46.2
65	78.5		56.2	84.4





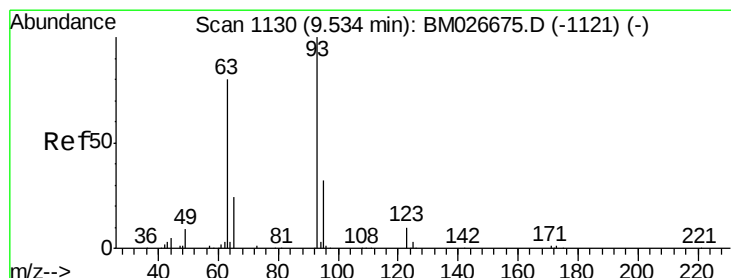
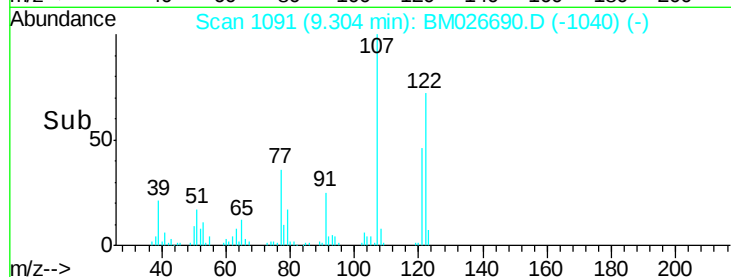
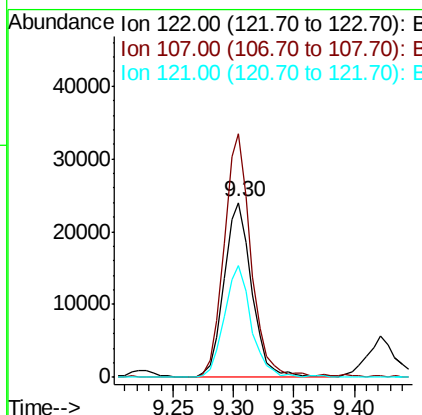
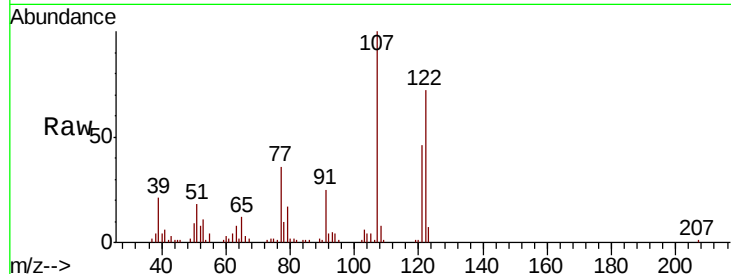
#27
2,4-Dimethylphenol
Concen: 9.684 ng
RT: 9.30 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	139.1	102.1	153.1
121	63.8	48.2	72.2

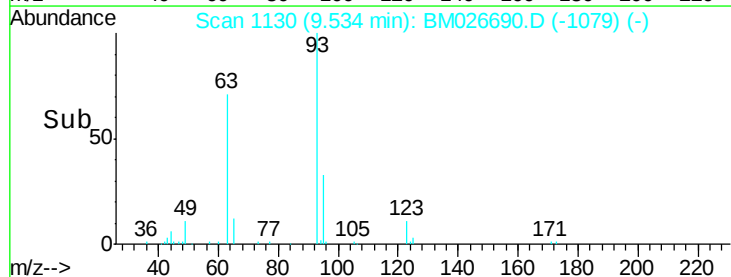
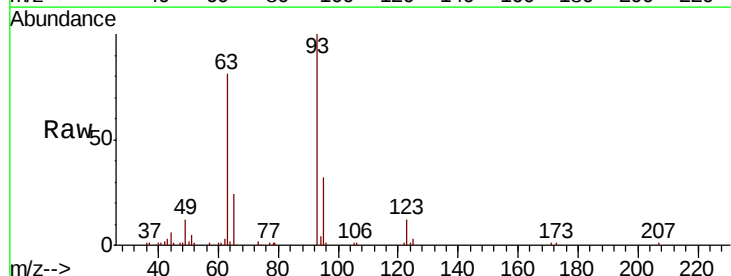
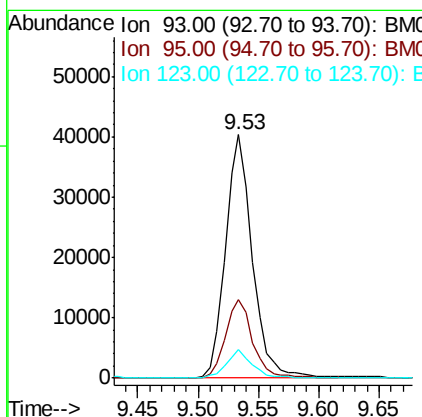
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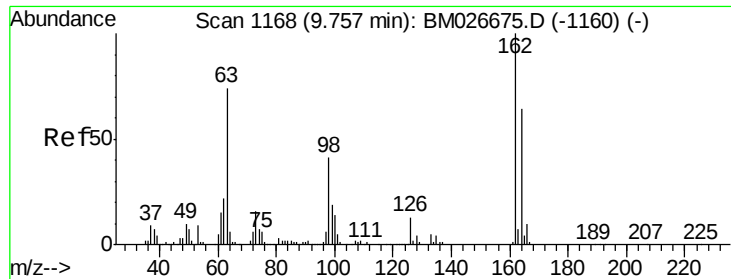
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 9.408 ng
RT: 9.53 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.7	38.5
123	11.9	8.7	13.1





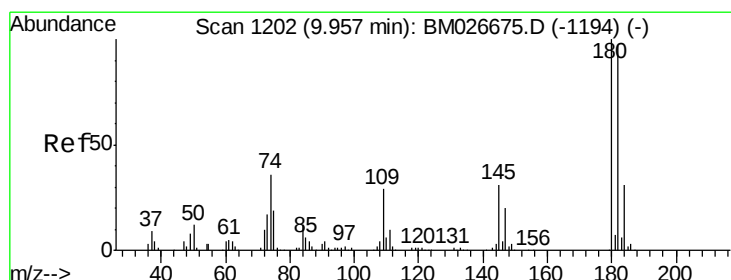
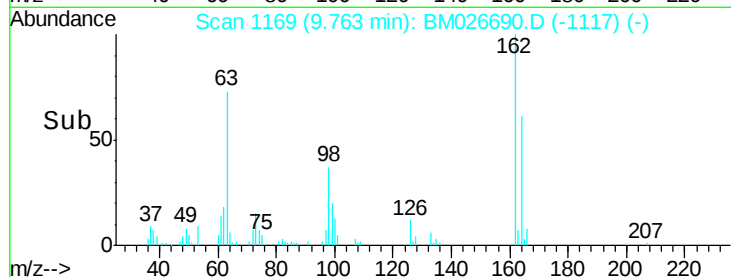
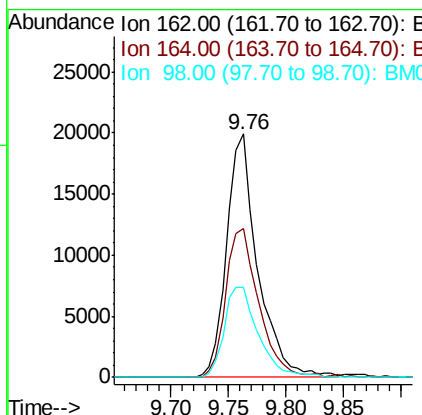
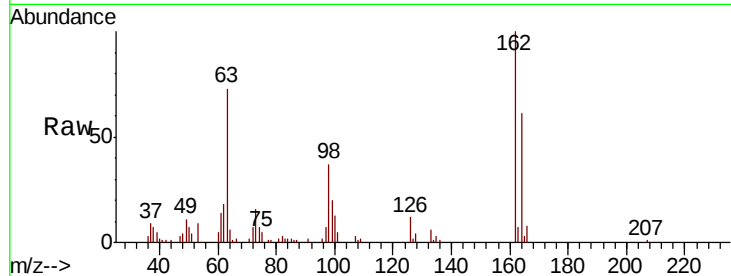
#29
 2,4-Dichlorophenol
 Concen: 8.564 ng
 RT: 9.76 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp	Lower	Upper
162	100	37315		
164	60.9	44.3	84.3	
98	37.1	21.0	61.0	

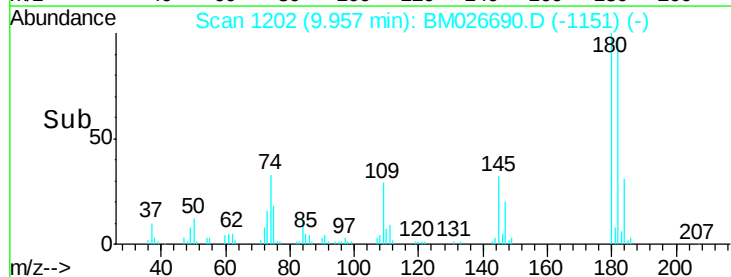
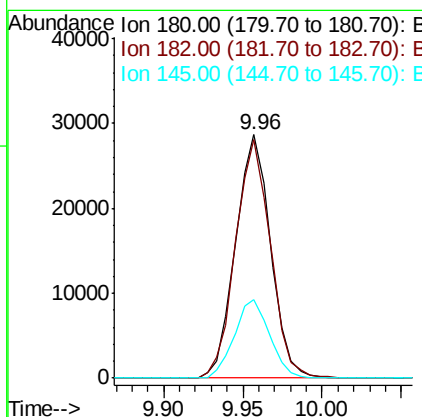
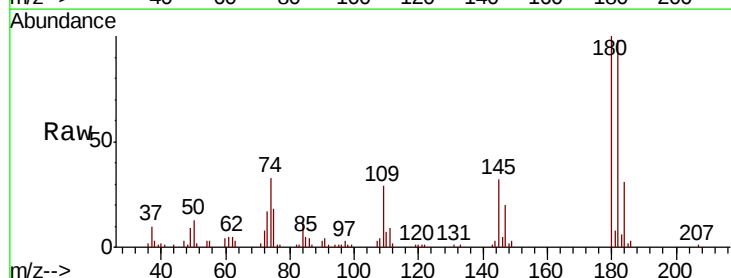
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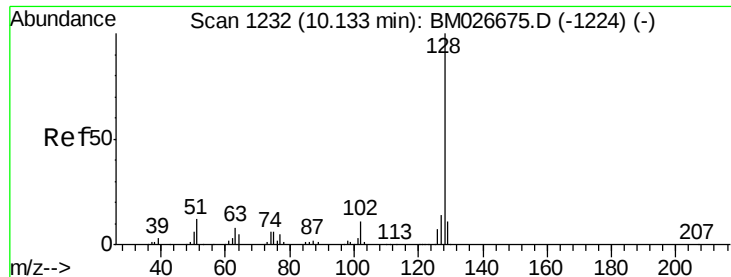
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#30
 1,2,4-Trichlorobenzene
 Concen: 9.033 ng
 RT: 9.96 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43910		
182	98.0	77.8	116.6	
145	32.1	25.0	37.6	





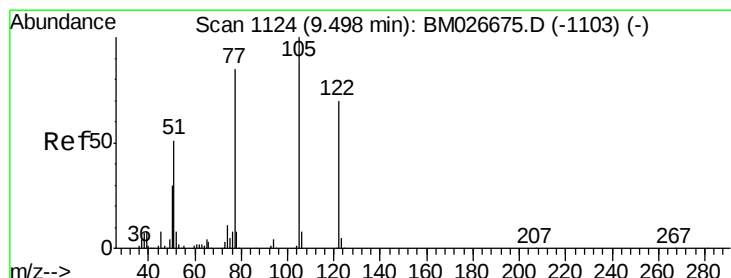
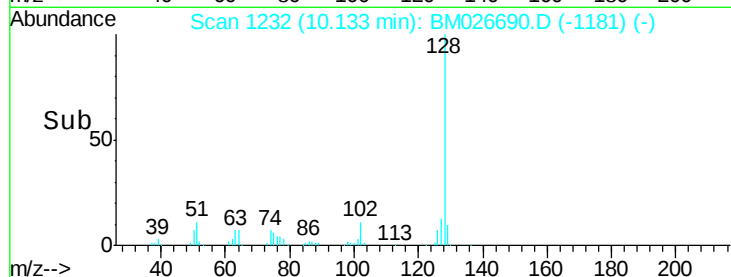
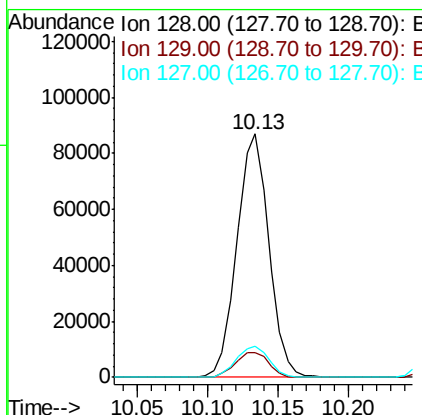
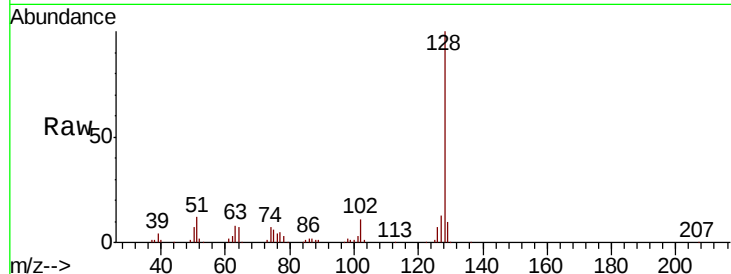
#31
Naphthalene
Concen: 9.247 ng
RT: 10.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.0	10.8	16.2

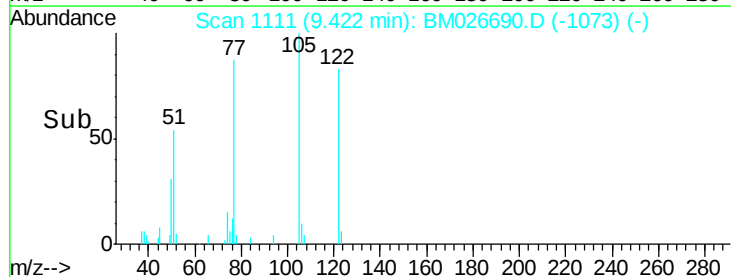
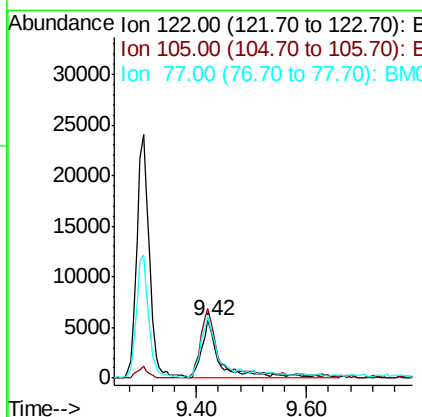
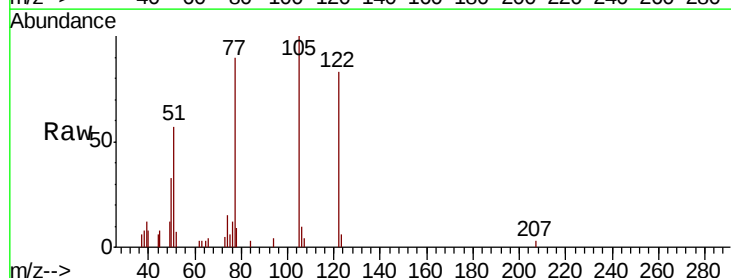
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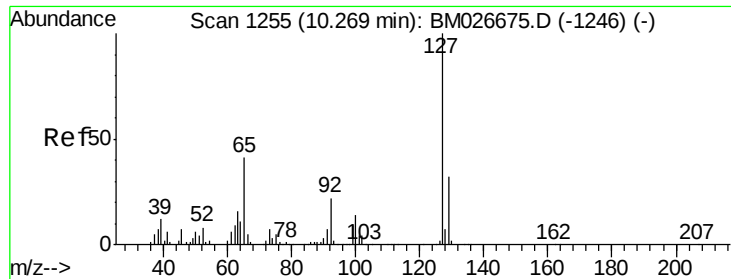
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#32
Benzoic acid
Concen: 4.566 ng m
RT: 9.42 min Scan# 1111
Delta R.T. -0.08 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.0	120.9	160.9#
77	107.4	100.0	140.0





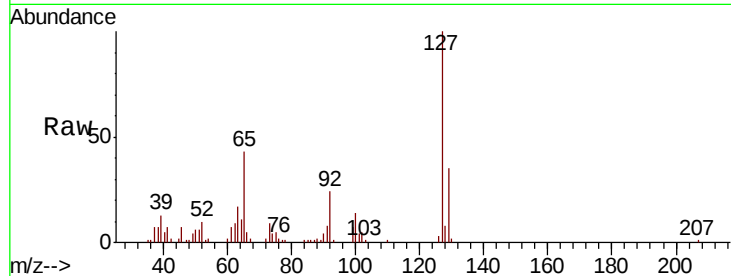
#33
4-Chloroaniline
Concen: 8.698 ng
RT: 10.27 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

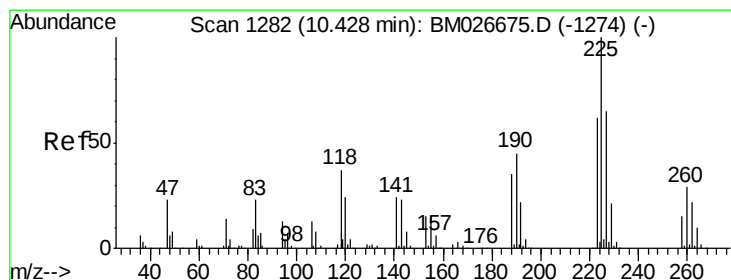
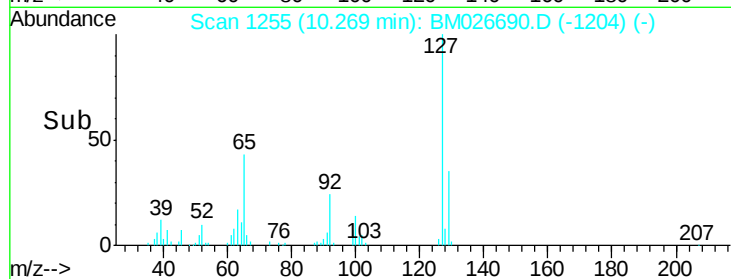
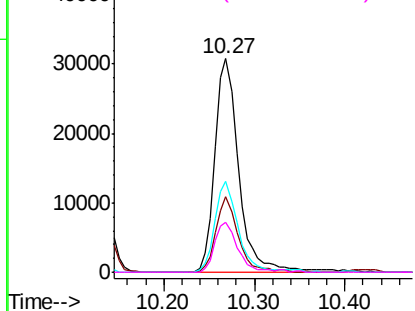
Tot Ion	Ratio	Lower	Upper
127	100		
129	35.5	25.8	38.6
65	42.8	32.5	48.7
92	23.6	17.8	26.8

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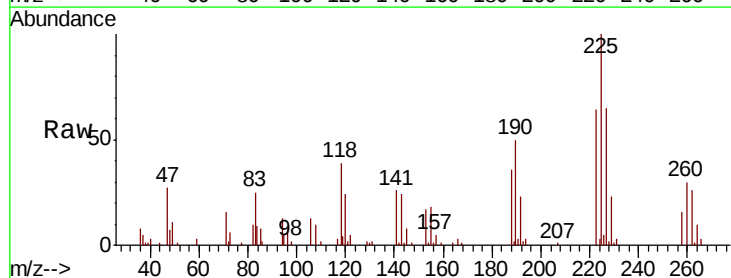


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

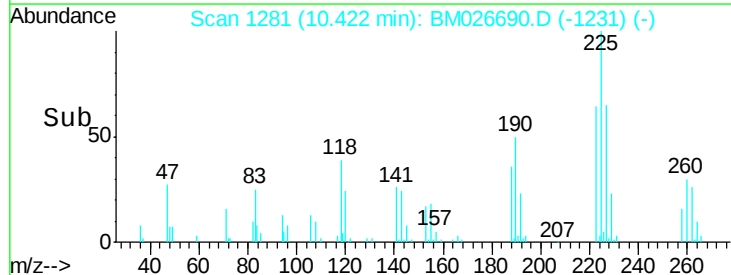
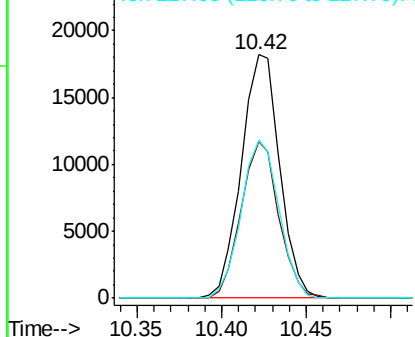


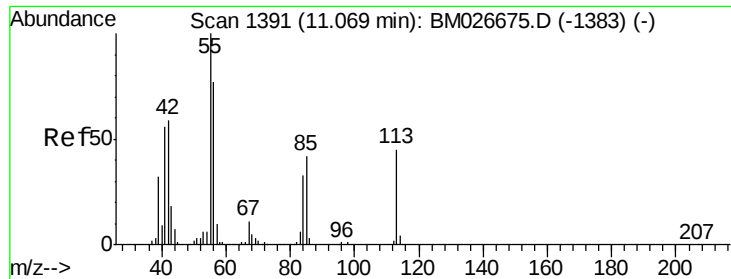
#34
Hexachlorobutadiene
Concen: 8.964 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.8	74.8
227	64.8	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





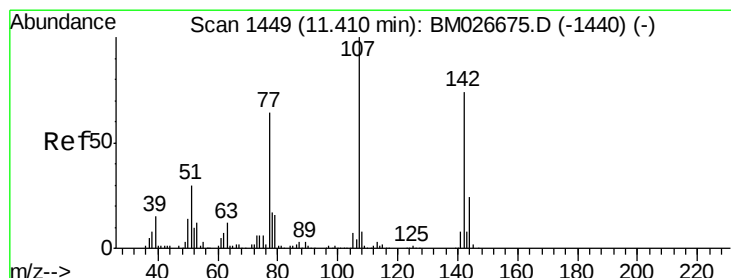
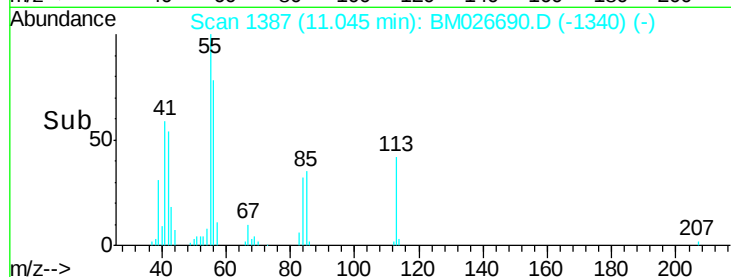
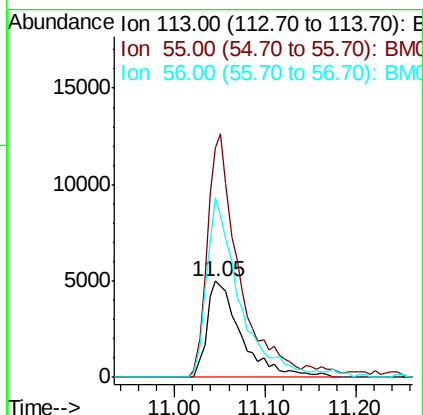
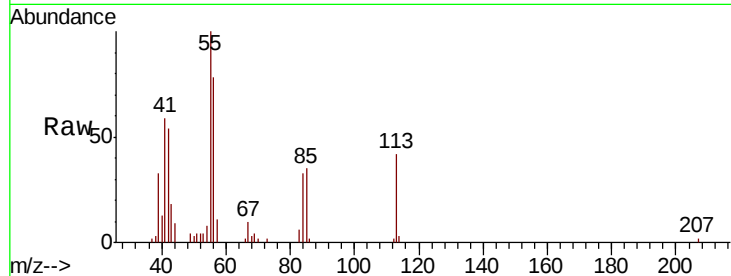
#35
Caprolactam
Concen: 8.497 ng
RT: 11.05 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
113	100		
55	238.7	203.5	243.5
56	187.3	151.6	191.6

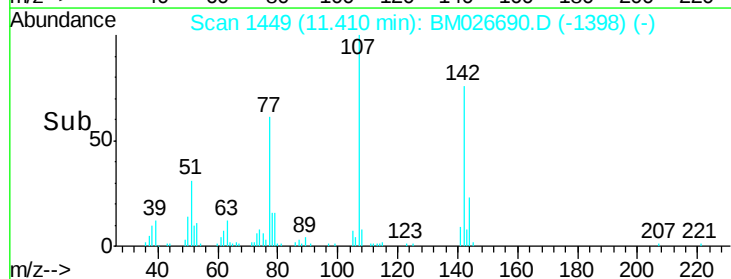
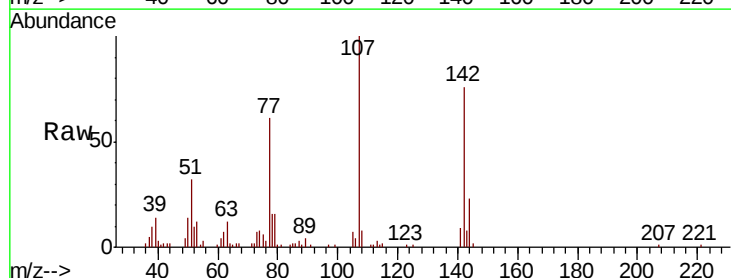
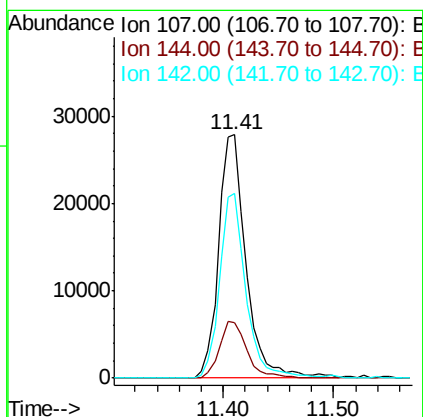
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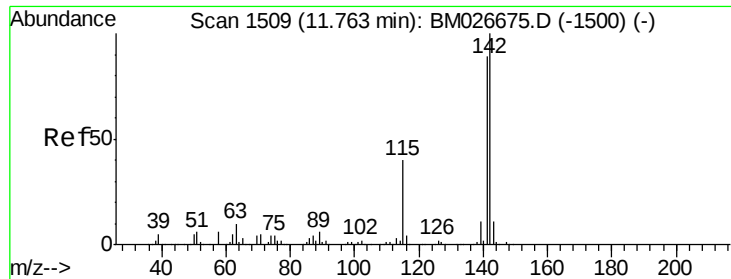
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#36
4-Chloro-3-methylphenol
Concen: 8.783 ng
RT: 11.41 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.6	18.9	28.3
142	75.9	59.0	88.4





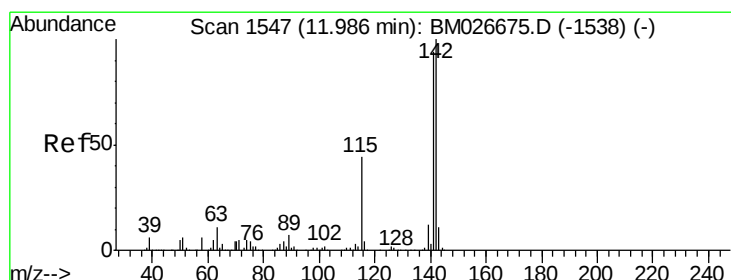
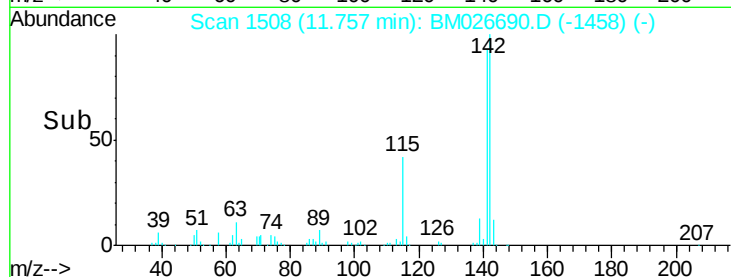
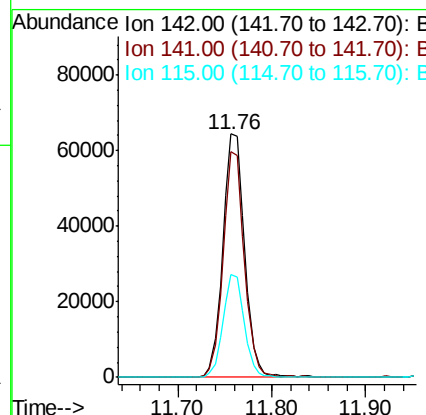
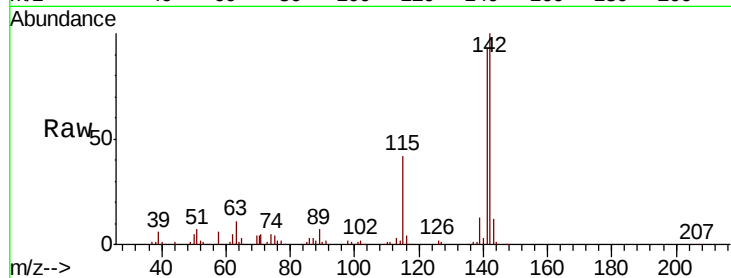
#37
2-Methylnaphthalene
Concen: 9.485 ng
RT: 11.76 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	71.4	107.0
115	42.2	32.1	48.1

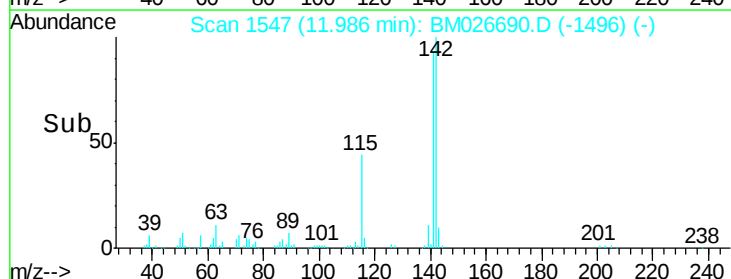
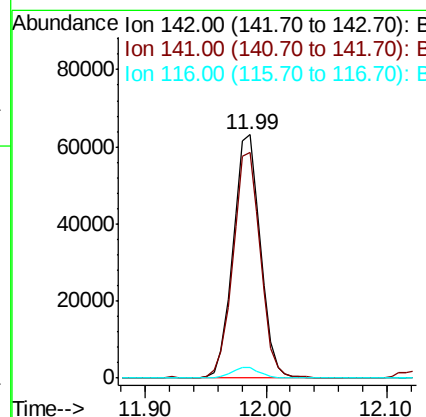
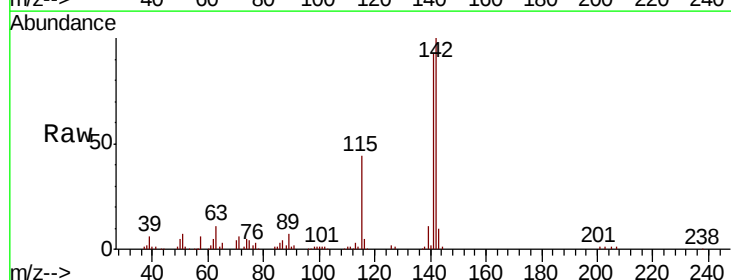
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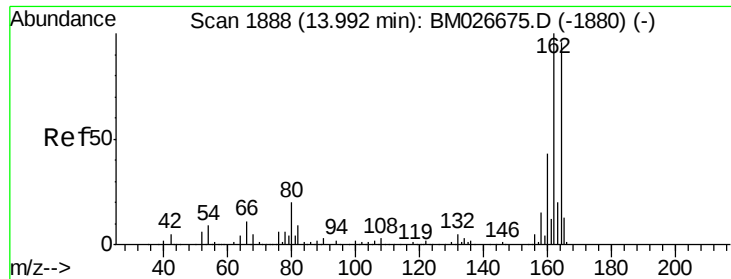
mohammad
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#38
1-Methylnaphthalene
Concen: 9.422 ng
RT: 11.99 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	75.0	112.6
116	4.5	3.5	5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

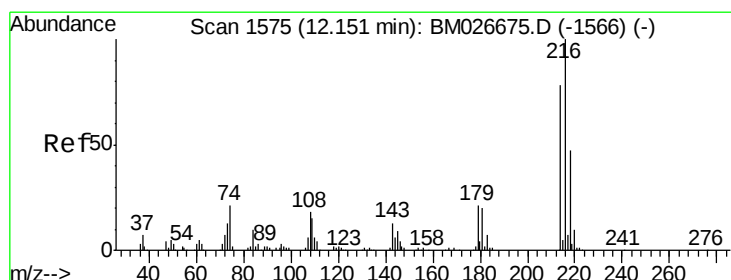
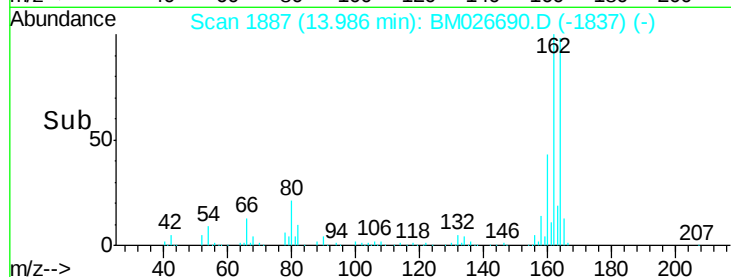
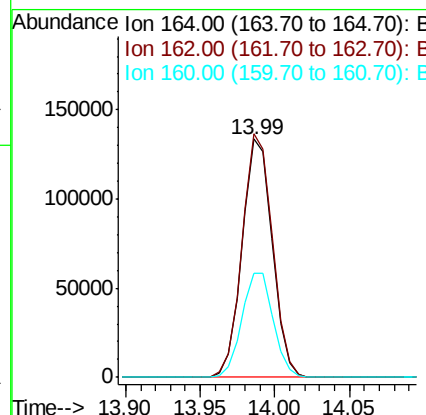
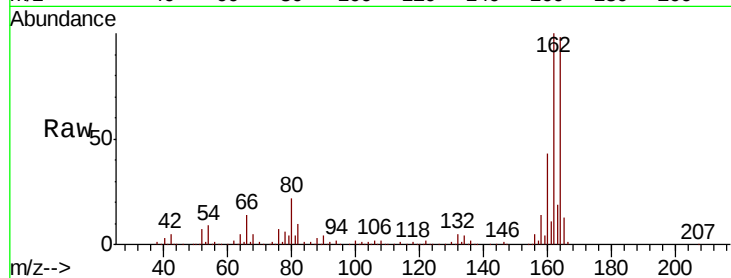
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	164	Resp:	187508
Ion Ratio	Lower	Upper	
164	100		
162	102.1	83.7	125.5
160	43.6	36.2	54.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.579 ng

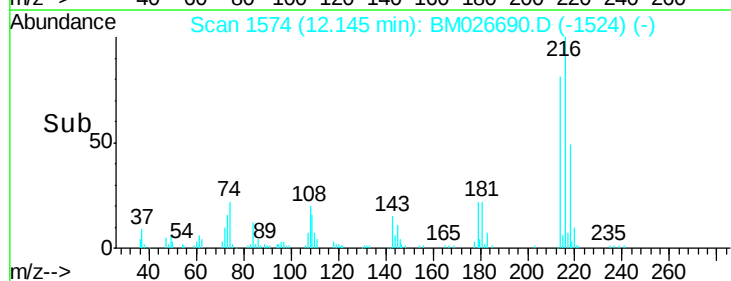
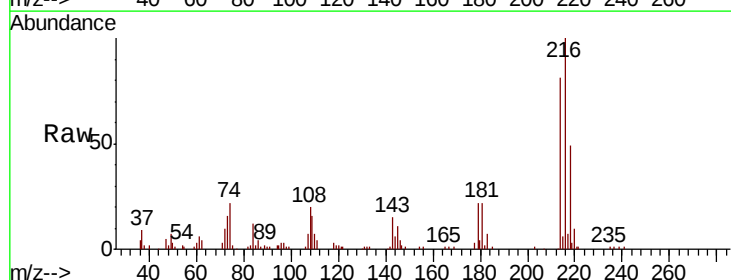
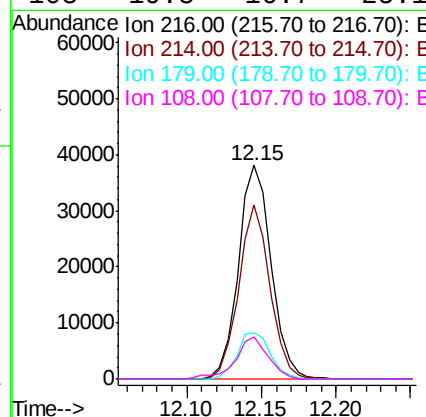
RT: 12.15 min Scan# 1574

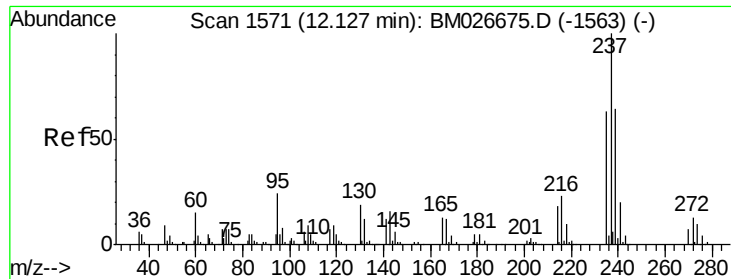
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	216	Resp:	58062
Ion Ratio	Lower	Upper	
216	100		
214	77.6	62.6	93.8
179	21.9	17.5	26.3
108	19.8	16.7	25.1





#41

Hexachlorocyclopentadiene

Concen: 6.906 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

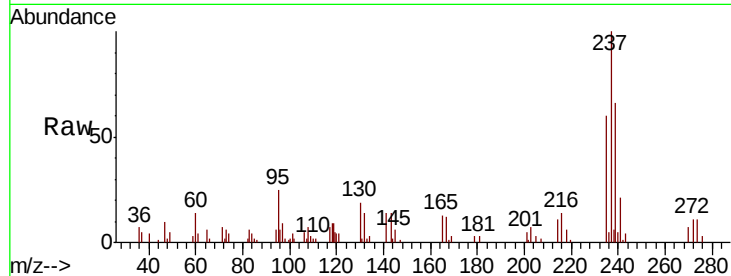
ClientSampleId :

LOQ-SOIL-02-QT3-2020

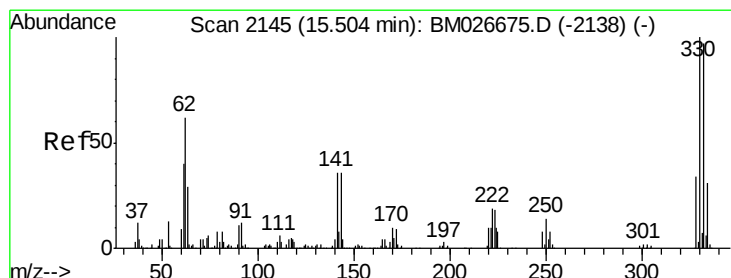
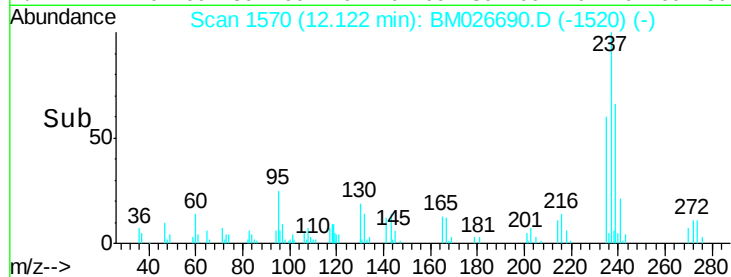
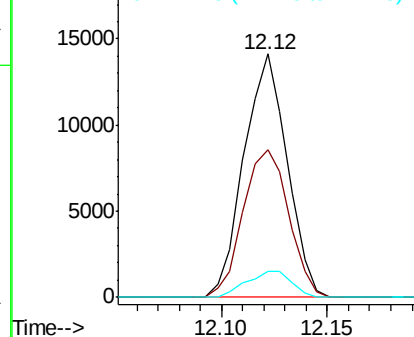
Tot Ion:	237	Resp:	19974
Ion Ratio	Lower	Upper	
237	100		
235	60.5	42.8	82.8
272	10.9	0.0	32.8

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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: 195.736 ng

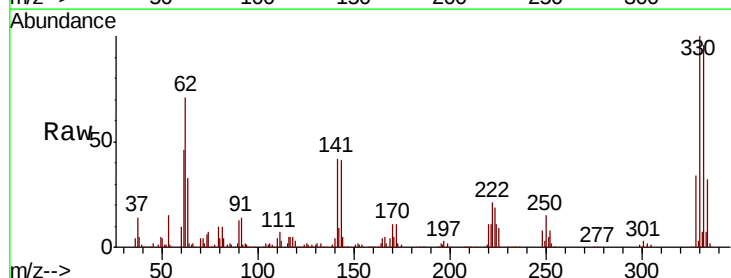
RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

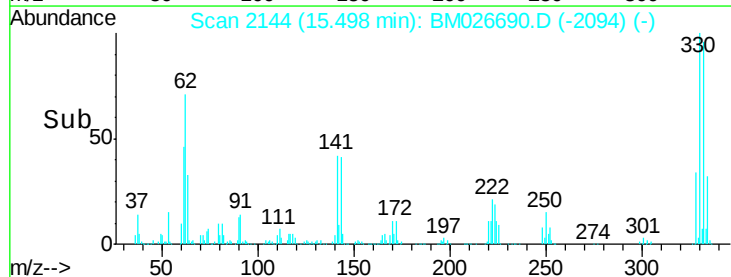
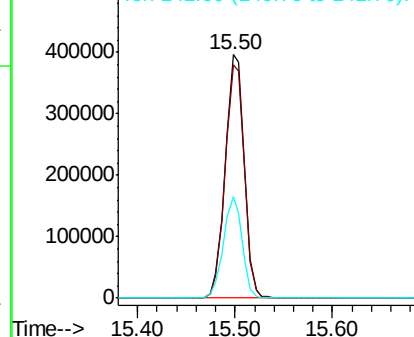
Lab File: BM026690.D

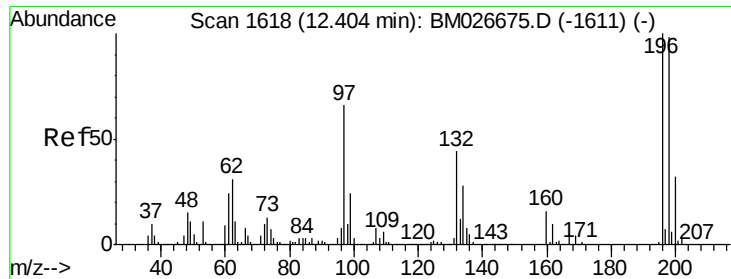
Acq: 07 Jul 2020 23:20

Tgt Ion:	330	Resp:	534638
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.5	116.3
141	41.2	32.4	48.6



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





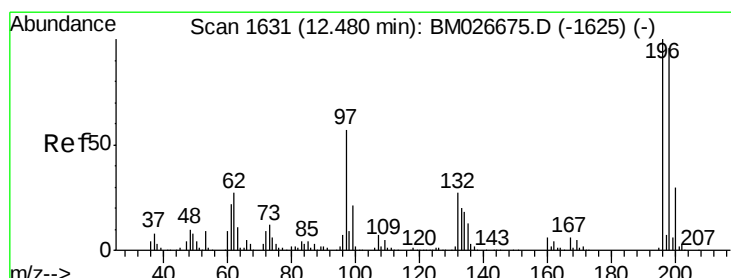
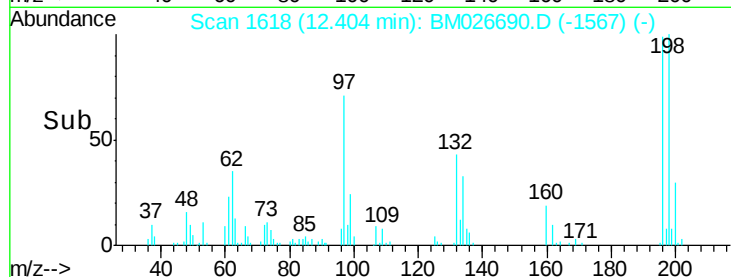
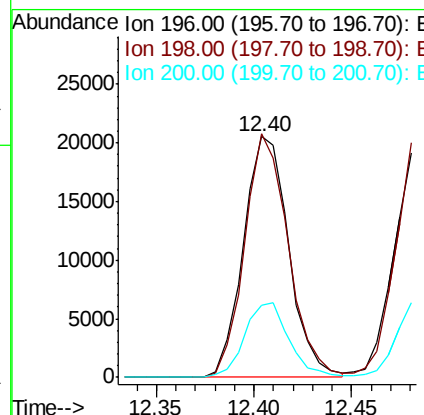
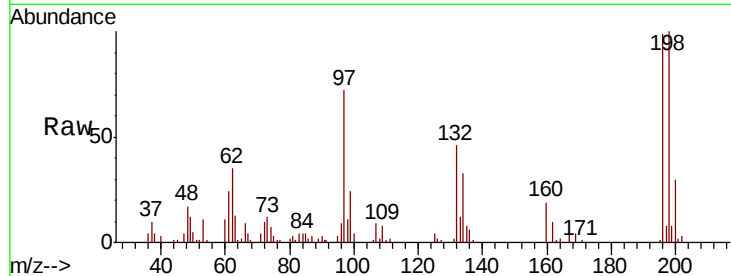
#43
 2,4,6-Trichlorophenol
 Concen: 8.320 ng
 RT: 12.40 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	33037		
198	101.2	78.6	118.0	
200	29.9	25.3	37.9	

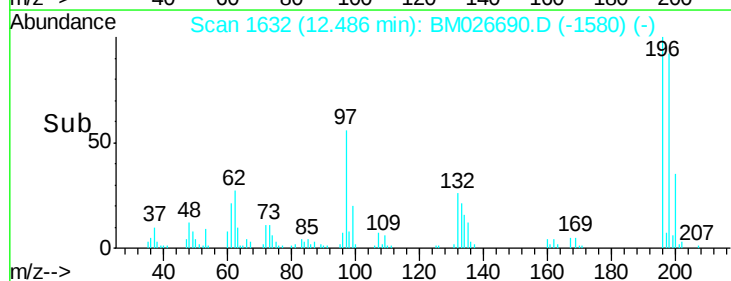
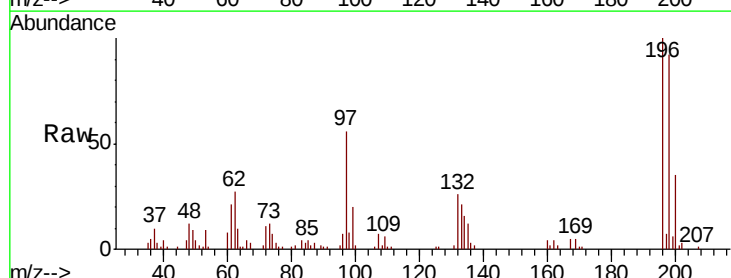
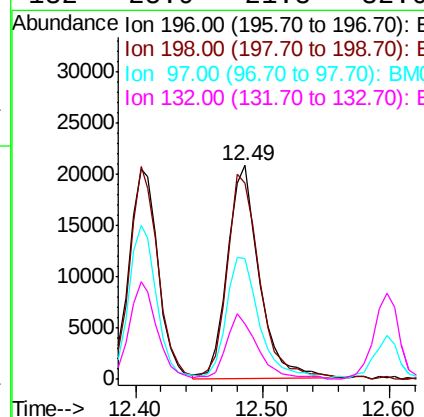
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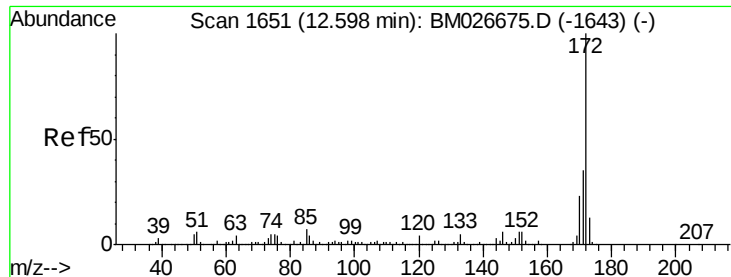
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 7.710 ng
 RT: 12.49 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	35976		
198	91.9	77.0	115.6	
97	56.2	45.7	68.5	
132	25.9	21.8	32.6	





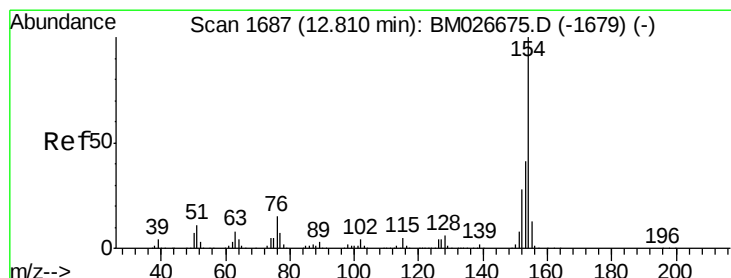
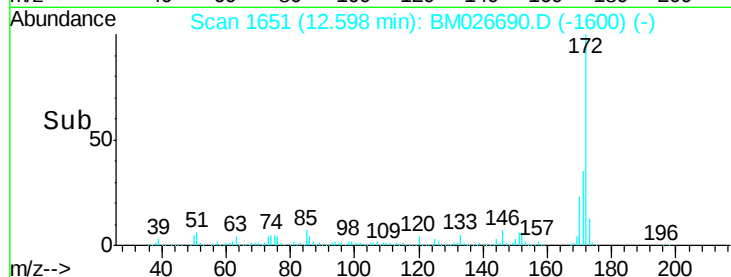
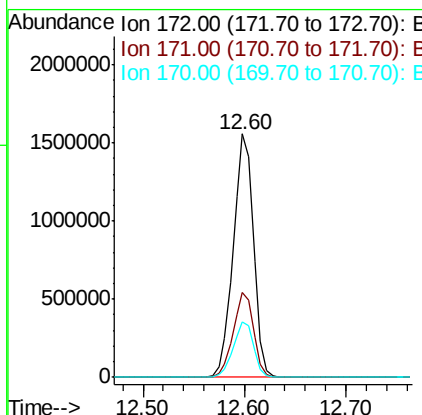
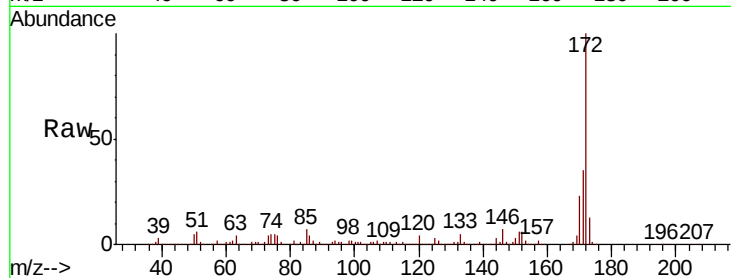
#45
2-Fluorobiphenyl
Concen: 152.735 ng
RT: 12.60 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.0	18.5	27.7

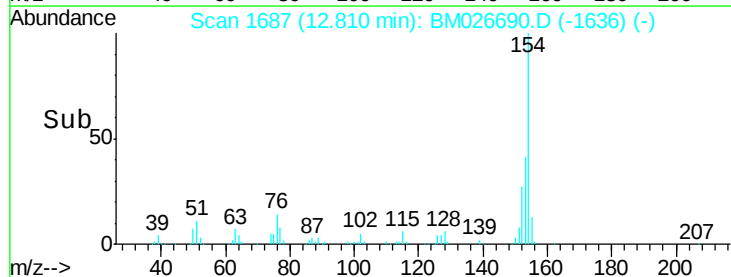
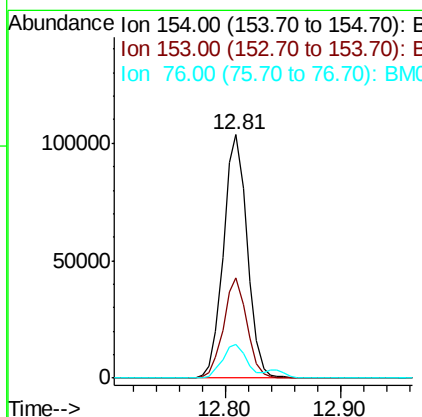
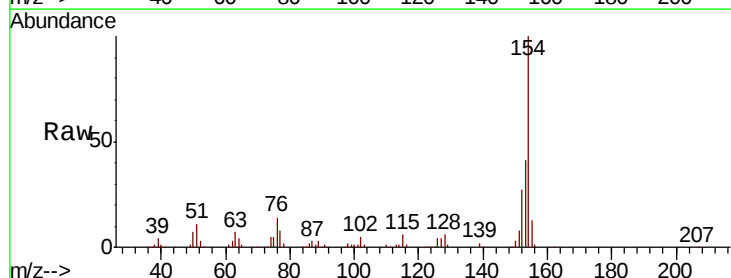
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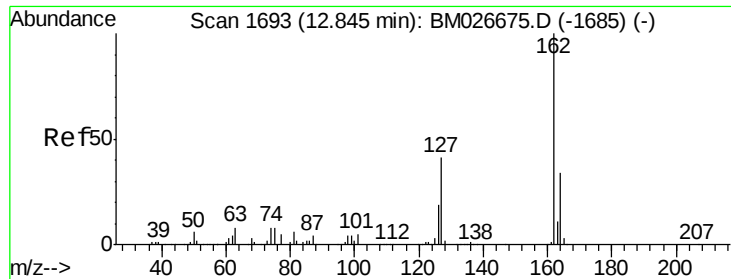
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#46
1,1'-Biphenyl
Concen: 9.984 ng
RT: 12.81 min Scan# 1687
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	14.1	0.0	35.2





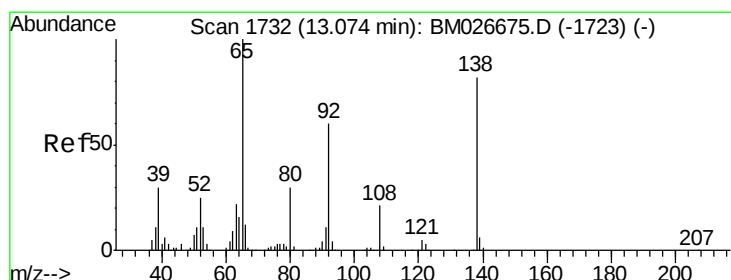
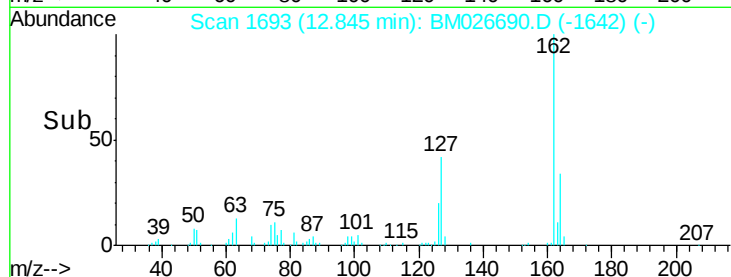
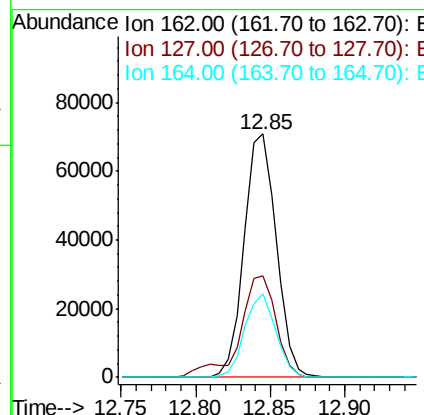
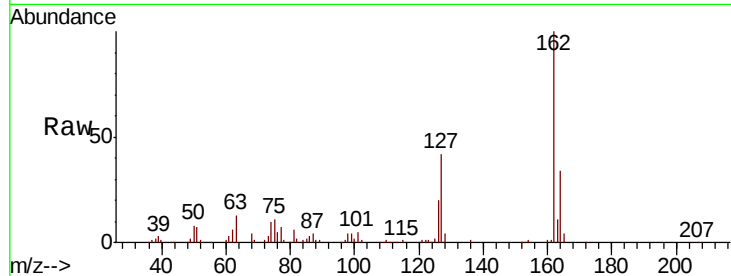
#47
 2-Chloronaphthalene
 Concen: 8.857 ng
 RT: 12.85 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.8	34.0	51.0
164	34.5	26.9	40.3

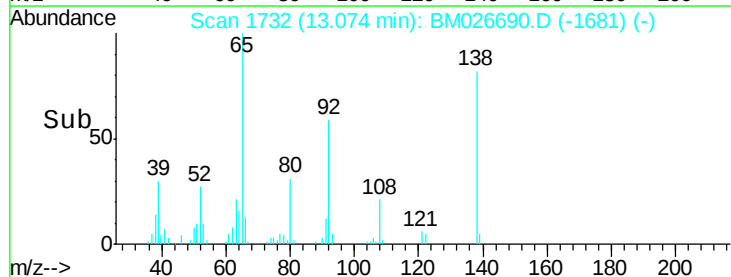
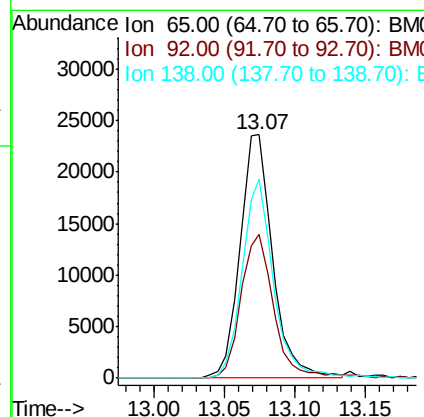
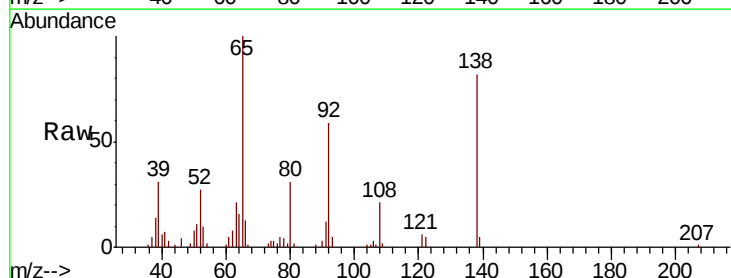
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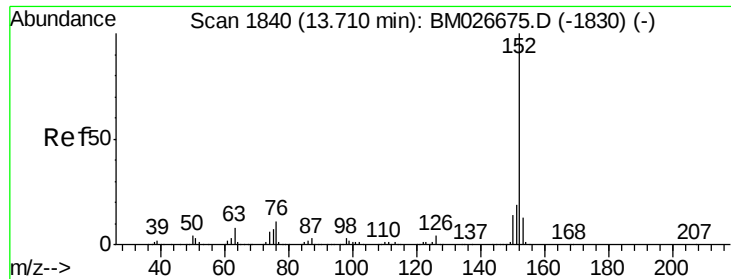
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#48
 2-Nitroaniline
 Concen: 7.755 ng
 RT: 13.07 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.2	47.8	71.8
138	81.7	65.6	98.4





#49

Acenaphthylene

Concen: 9.058 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

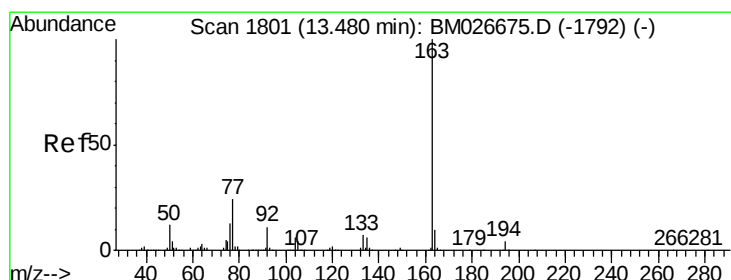
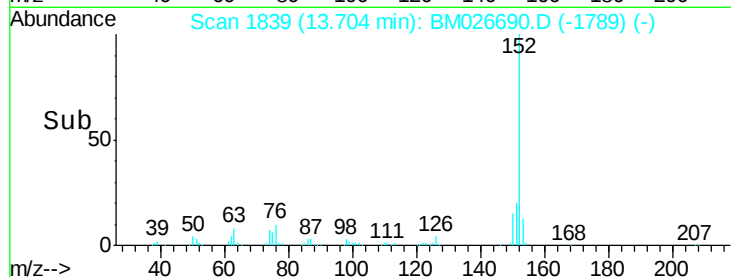
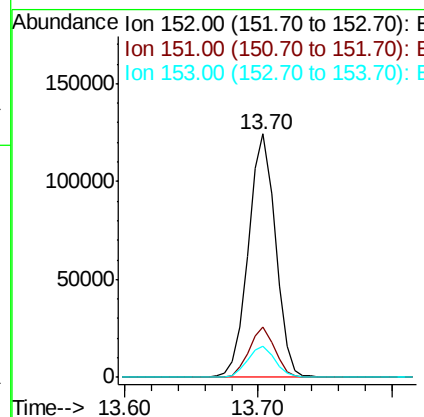
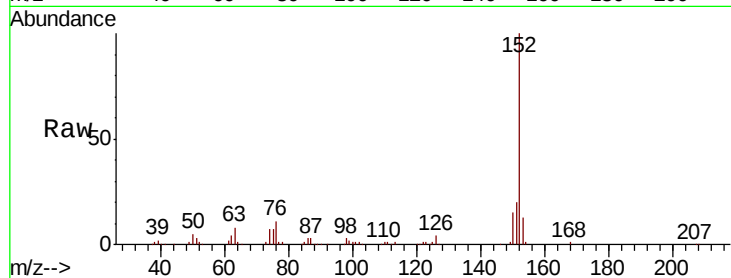
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	152	Resp:	173263
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.6	23.4
153	12.5	10.4	15.6

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#50

Dimethylphthalate

Concen: 9.118 ng

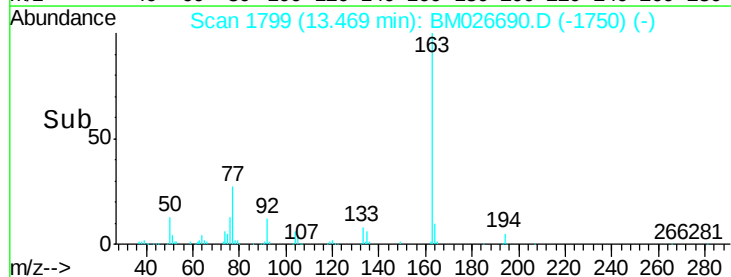
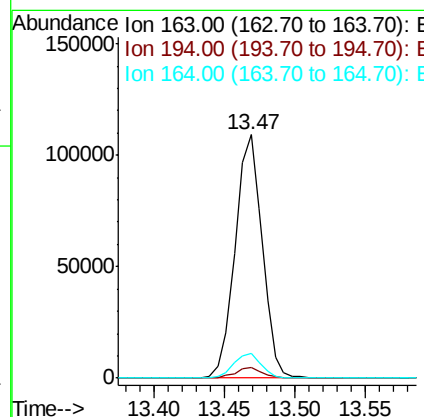
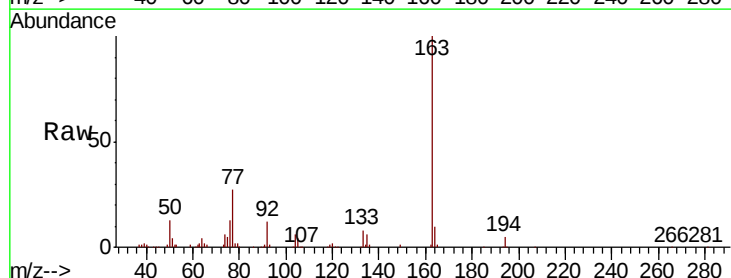
RT: 13.47 min Scan# 1799

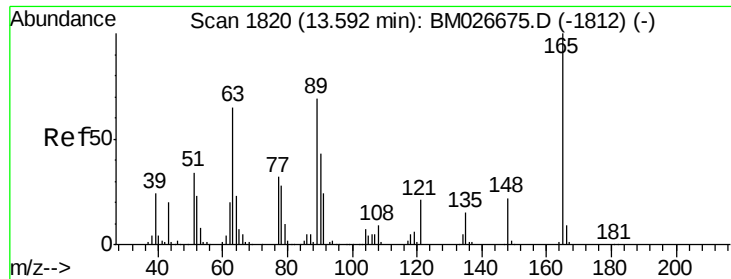
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	163	Resp:	146235
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.4	5.2
164	10.0	7.8	11.6





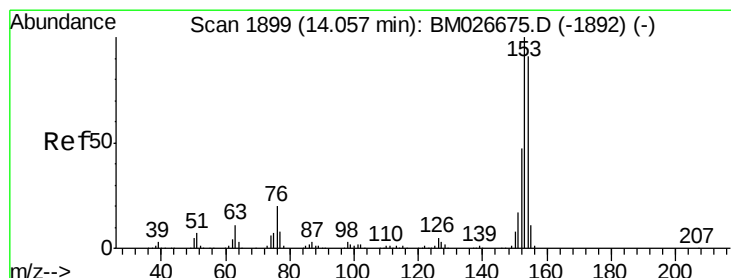
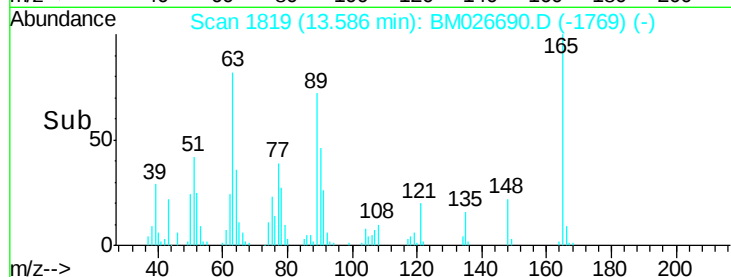
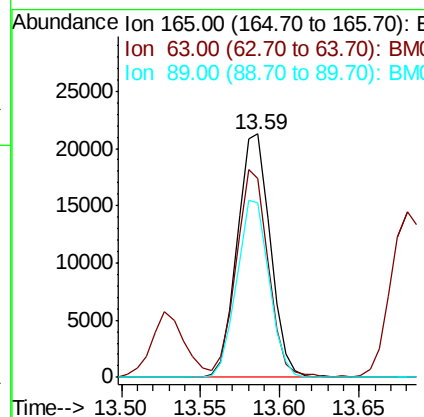
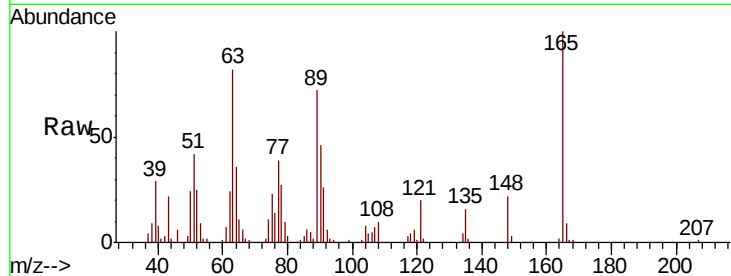
#51
 2,6-Dinitrotoluene
 Concen: 8.937 ng
 RT: 13.59 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100	30693		
63	81.8		61.1	91.7
89	71.9		54.9	82.3

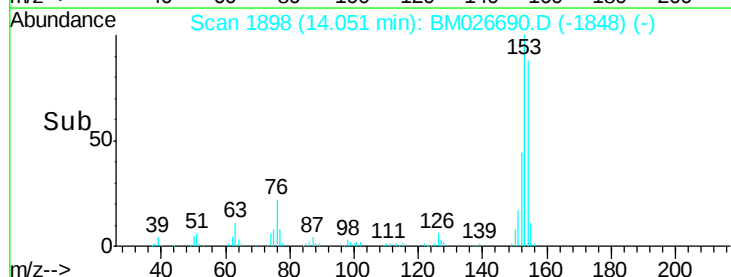
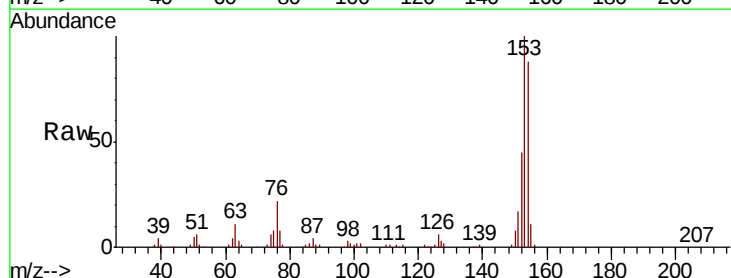
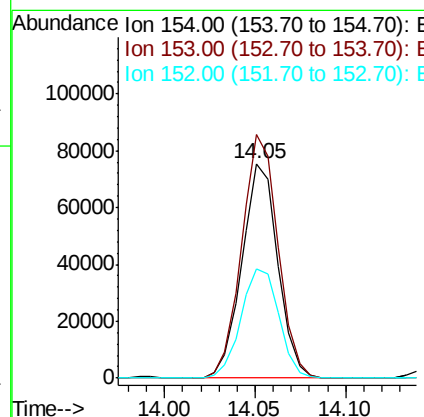
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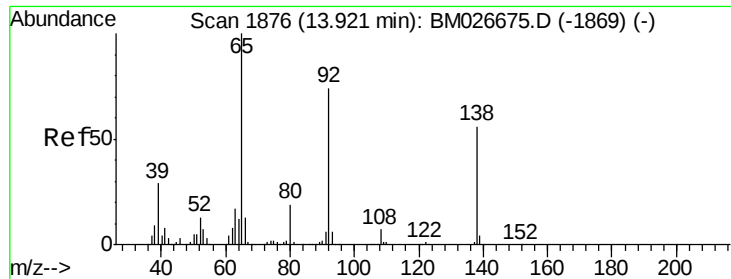
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#52
 Acenaphthene
 Concen: 8.946 ng
 RT: 14.05 min Scan# 1898
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	103994		
153	113.4		88.3	132.5
152	50.6		41.1	61.7





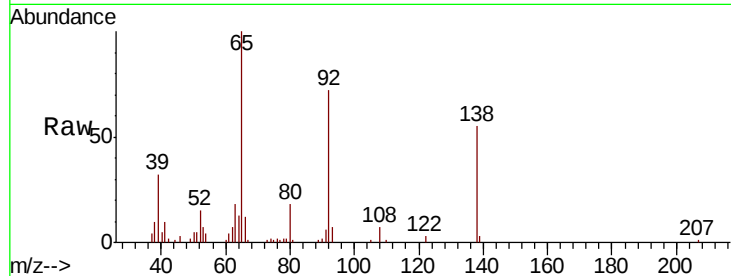
#53
3-Nitroaniline
Concen: 7.405 ng
RT: 13.92 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

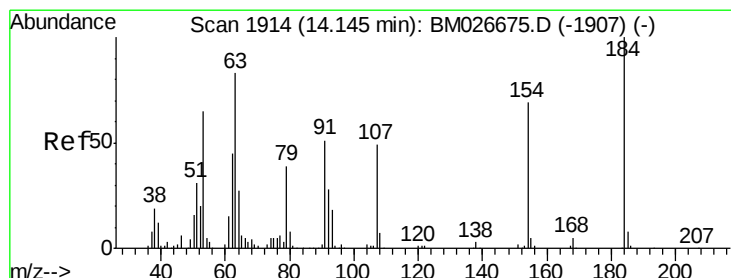
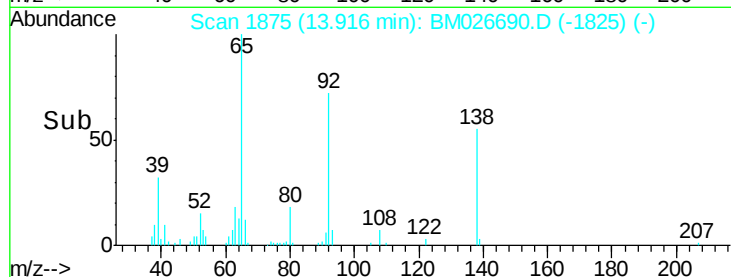
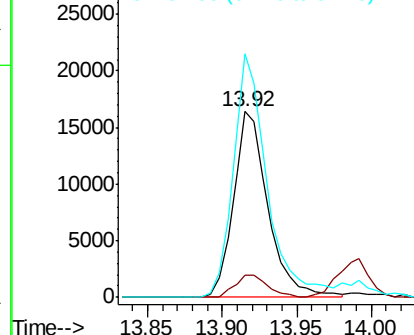
Tot Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.7	14.5
92	131.2	105.6	158.4

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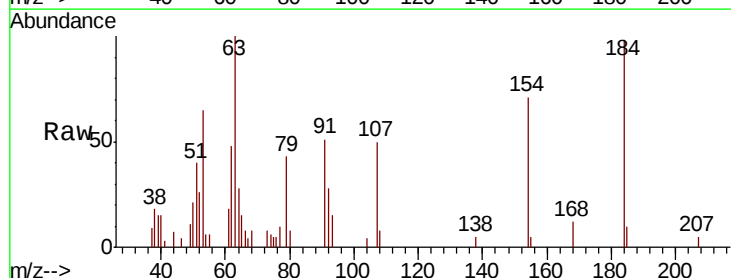


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM

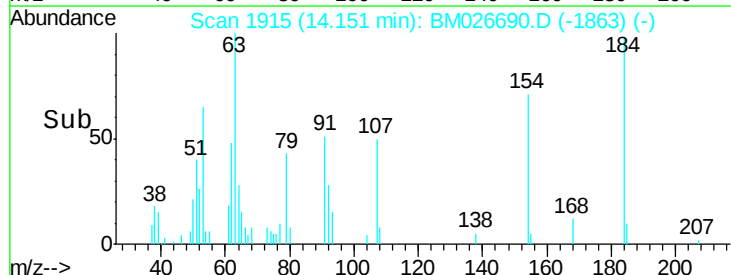
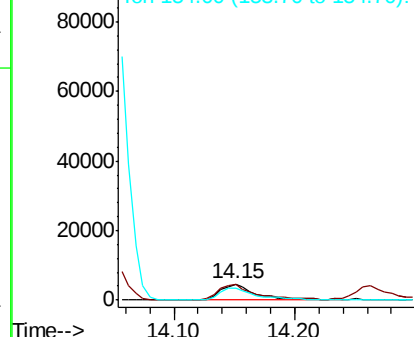


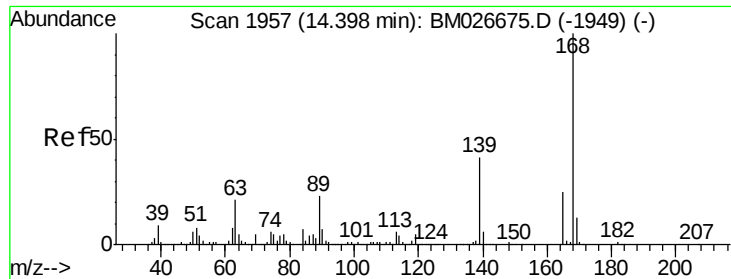
#54
2,4-Dinitrophenol
Concen: 4.812 ng
RT: 14.15 min Scan# 1915
Delta R.T. 0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
184	100		
63	101.5	66.2	99.4#
154	72.2	55.2	82.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 9.128 ng

RT: 14.39 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

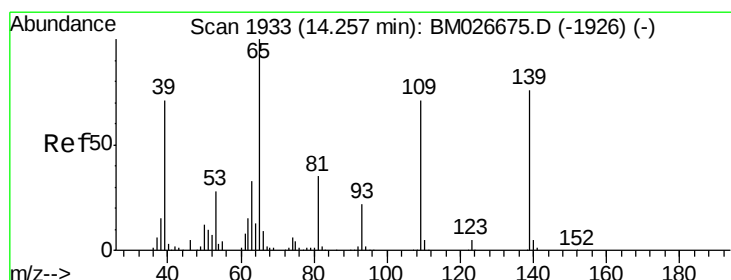
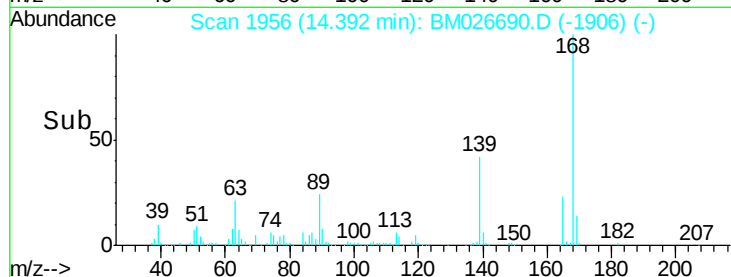
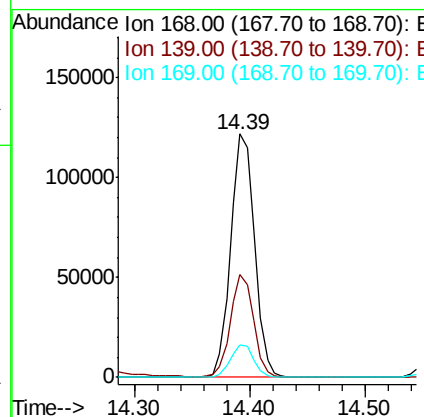
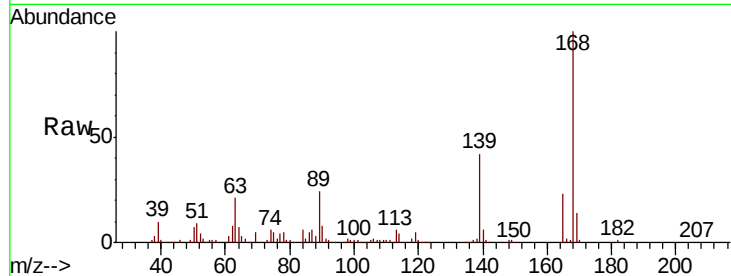
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	168	Resp:	173984
Ion Ratio	Lower	Upper	
168	100		
139	42.2	32.6	48.8
169	13.5	10.5	15.7

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#56

4-Nitrophenol

Concen: 6.603 ng

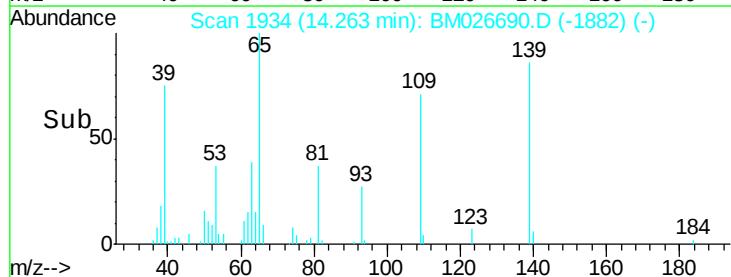
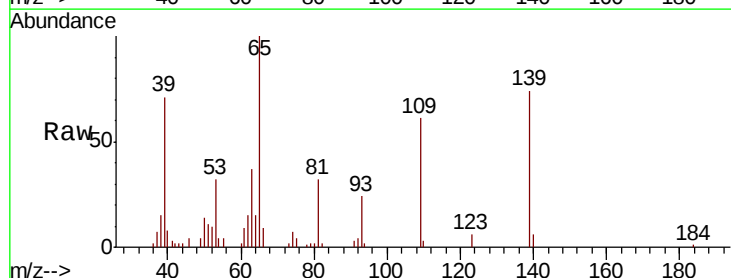
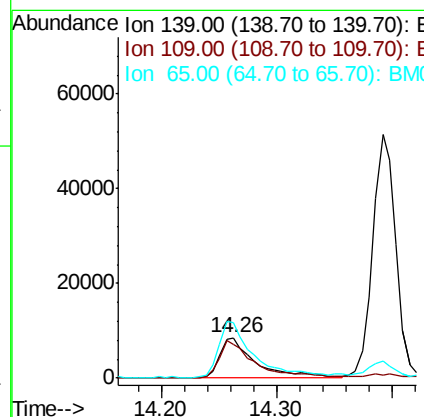
RT: 14.26 min Scan# 1934

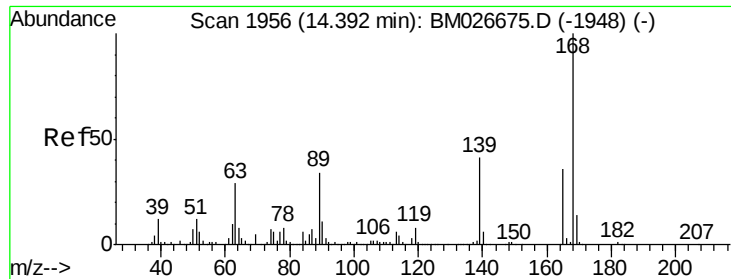
Delta R.T. 0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	139	Resp:	18514
Ion Ratio	Lower	Upper	
139	100		
109	83.2	73.7	113.7
65	135.9	111.5	151.5





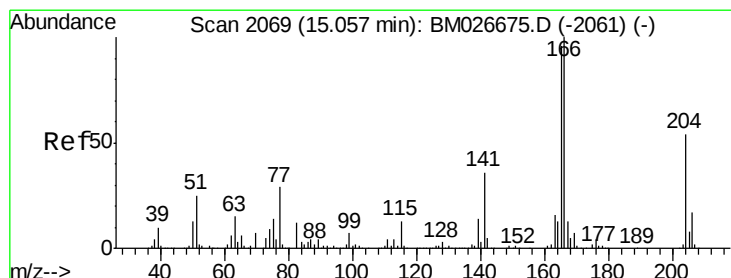
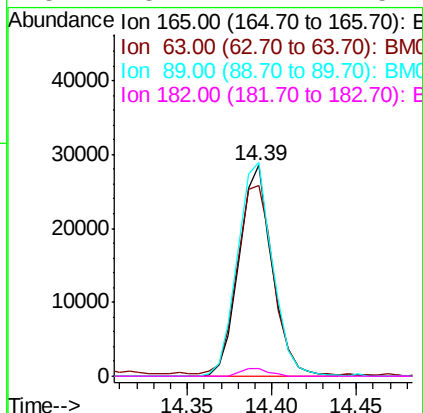
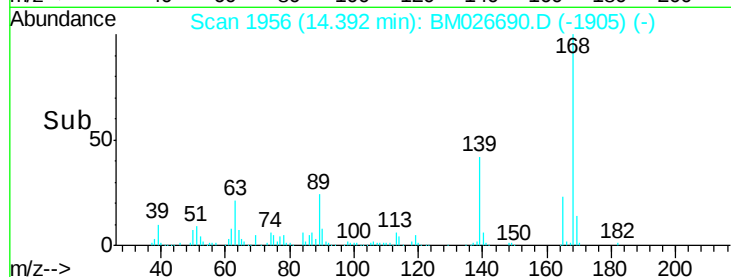
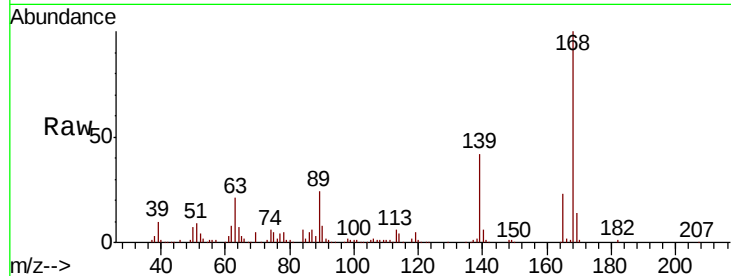
#57
2,4-Dinitrotoluene
Concen: 7.920 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	90.4	64.6	97.0	
89	101.2	75.4	113.2	
182	3.4	2.2	3.4	

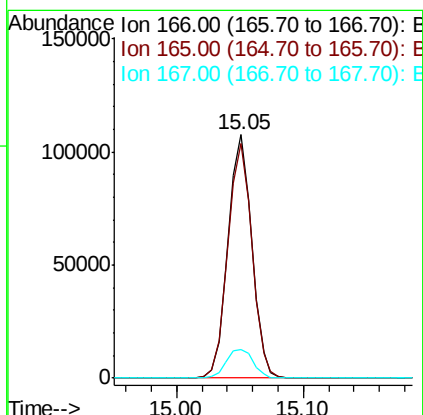
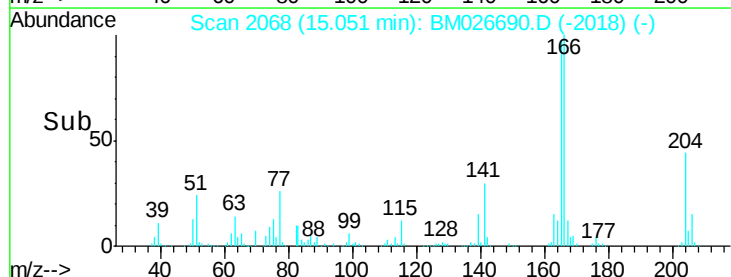
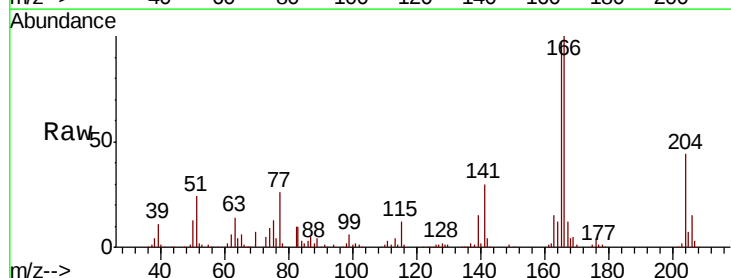
Manual Integrations
APPROVED

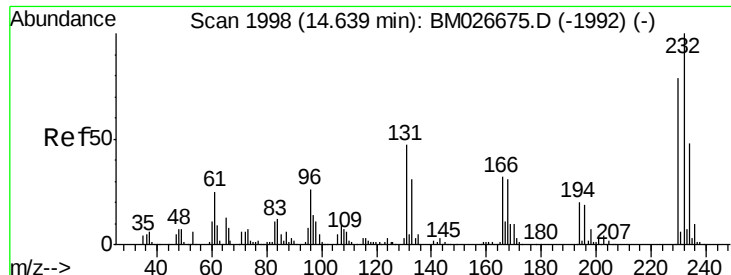
mohammad
7/9/2020 10:56:46 AM



#58
Fluorene
Concen: 8.845 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.6	77.1	115.7	
167	12.0	10.8	16.2	





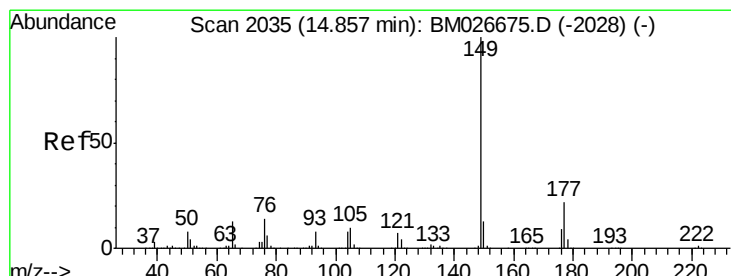
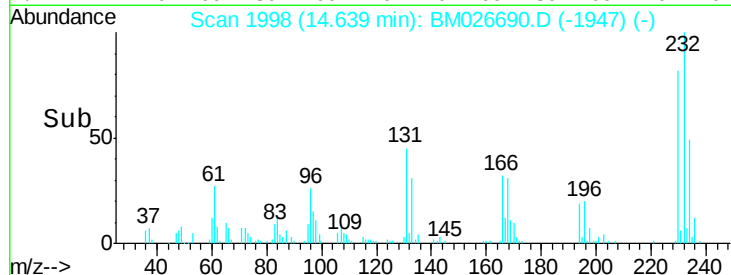
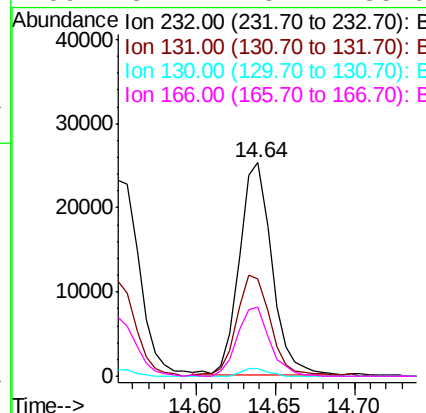
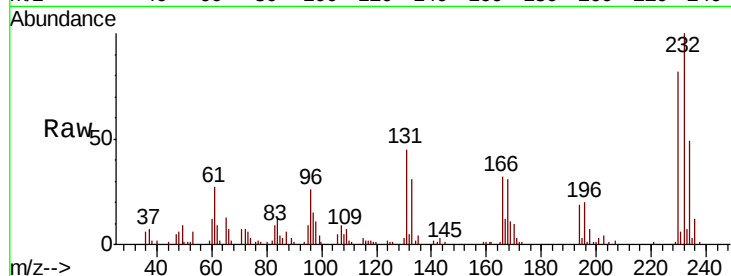
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.839 ng
RT: 14.64 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
232	100		
131	50.4	38.4	57.6
130	2.8	2.2	3.2
166	32.4	25.4	38.0

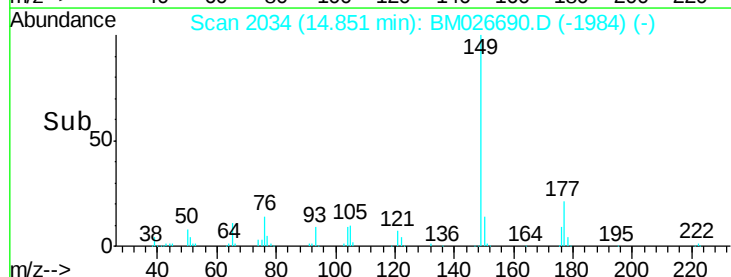
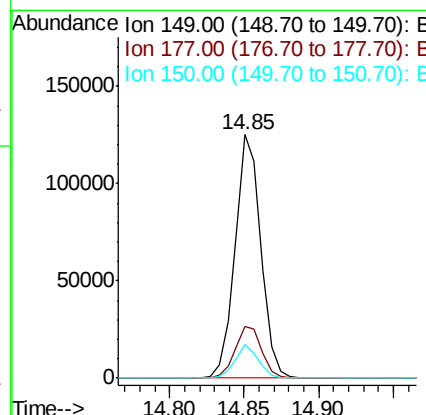
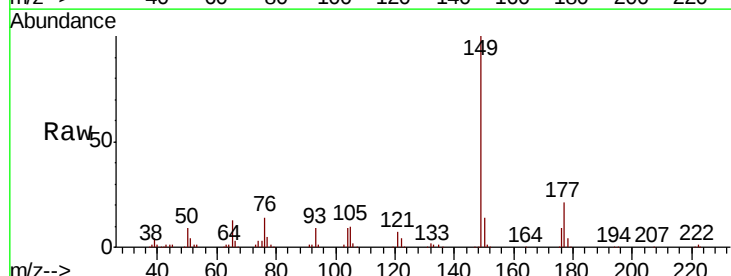
Manual Integrations
APPROVED

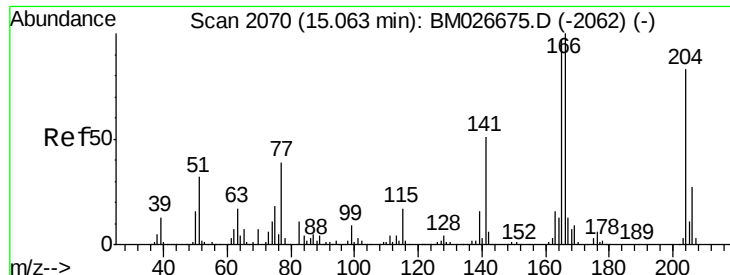
mohammad
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#60
Diethylphthalate
Concen: 8.966 ng
RT: 14.85 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.8	26.6
150	13.6	10.2	15.4





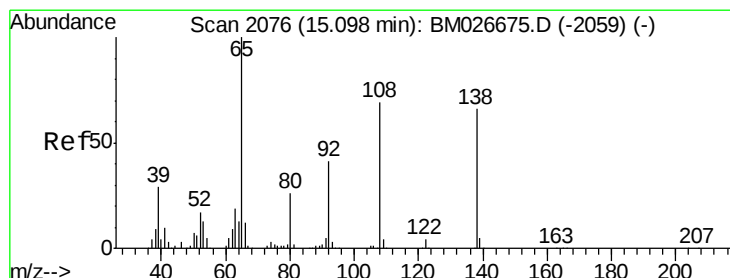
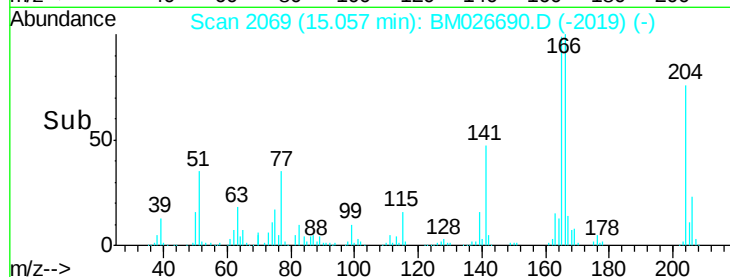
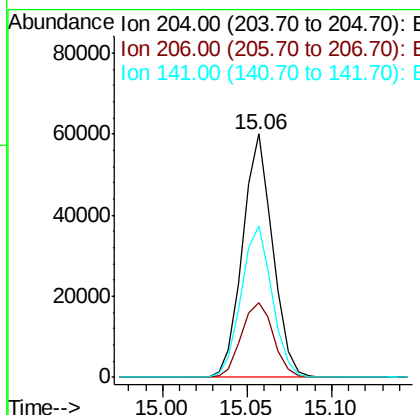
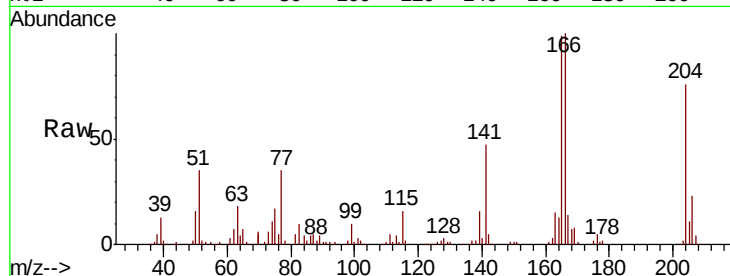
#61
4-Chlorophenyl-phenylether
Concen: 8.725 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
204	100		
206	30.7	25.9	38.9
141	62.4	49.5	74.3

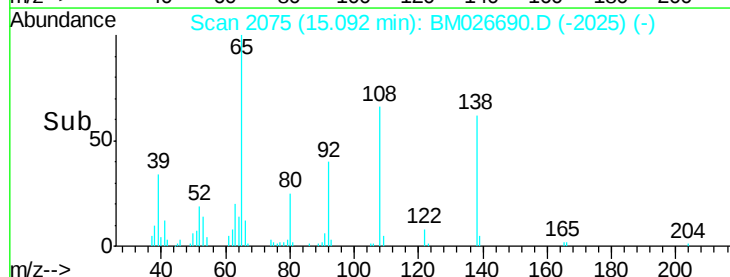
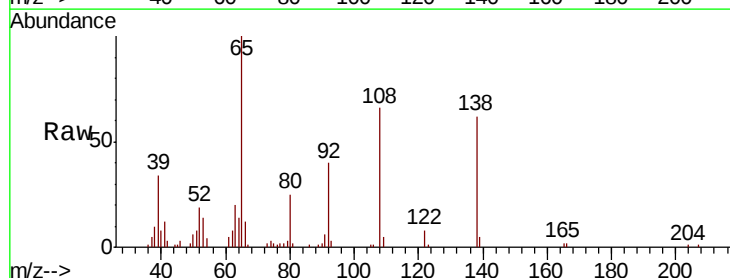
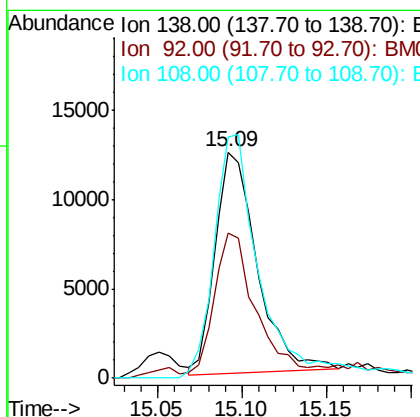
Manual Integrations
APPROVED

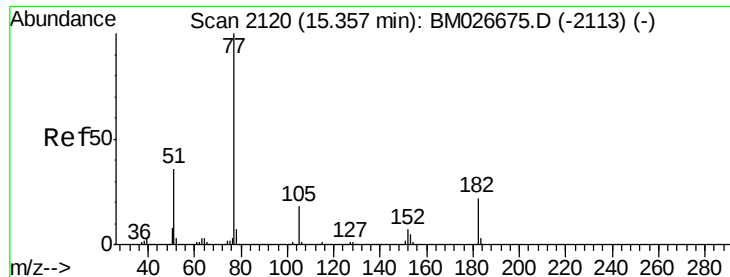
mohammad
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#62
4-Nitroaniline
Concen: 5.741 ng
RT: 15.09 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
138	100		
92	64.3	41.5	81.5
108	106.8	84.8	124.8





#63

Azobenzene

Concen: 9.131 ng

RT: 15.35 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

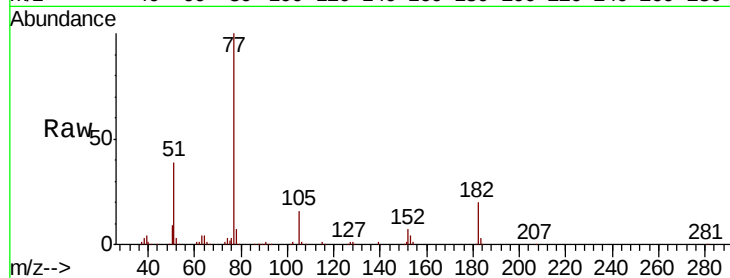
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	19.8	1.6	41.6		
105	16.4	0.0	37.8		
51	39.2	16.5	56.5		

Manual Integrations
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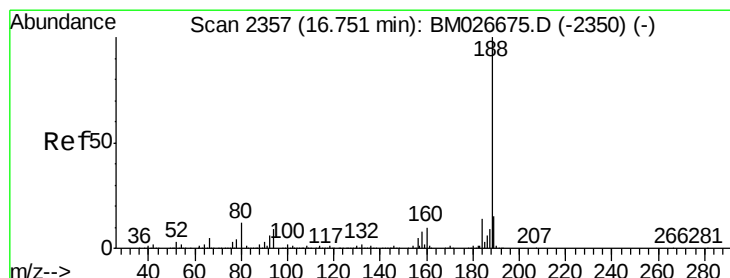
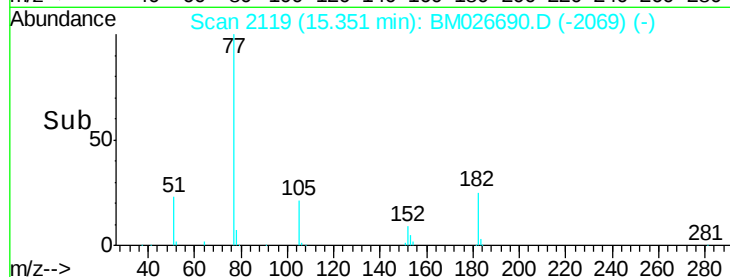
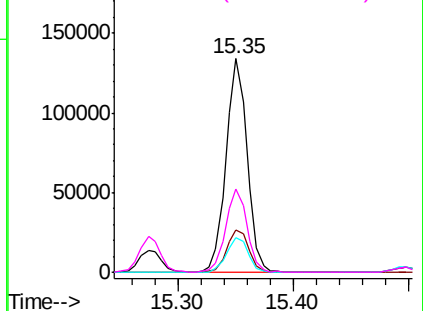


Abundance Ion 77.00 (76.70 to 77.70): BM026690.D (-2069) (-)

Ion 182.00 (181.70 to 182.70): BM026690.D (-2069) (-)

Ion 105.00 (104.70 to 105.70): BM026690.D (-2069) (-)

Ion 51.00 (50.70 to 51.70): BM026690.D (-2069) (-)



#64

Phenanthrene-d10

Concen: 20.000 ng

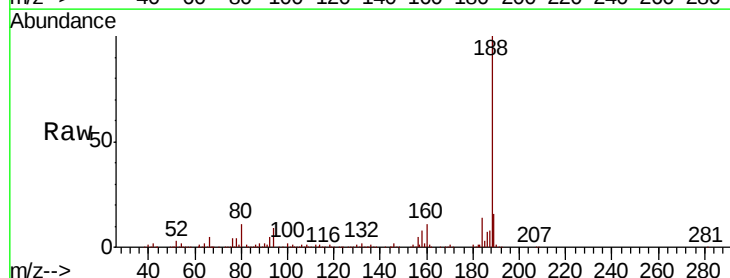
RT: 16.74 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

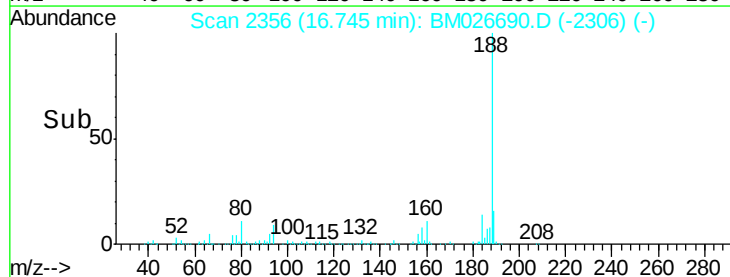
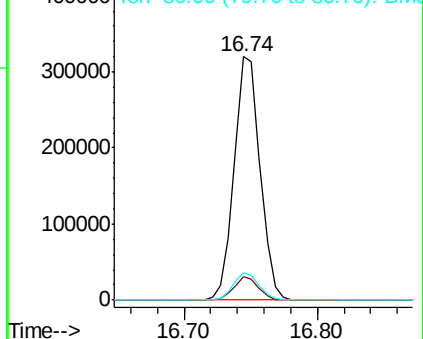
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.5	7.4	11.0		
80	11.0	9.3	13.9		

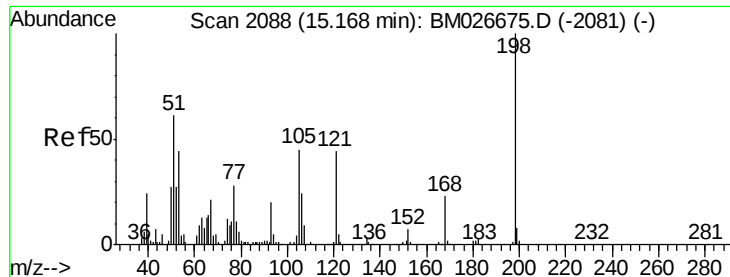


Abundance Ion 188.00 (187.70 to 188.70): BM026690.D (-2306) (-)

Ion 94.00 (93.70 to 94.70): BM026690.D (-2306) (-)

Ion 80.00 (79.70 to 80.70): BM026690.D (-2306) (-)





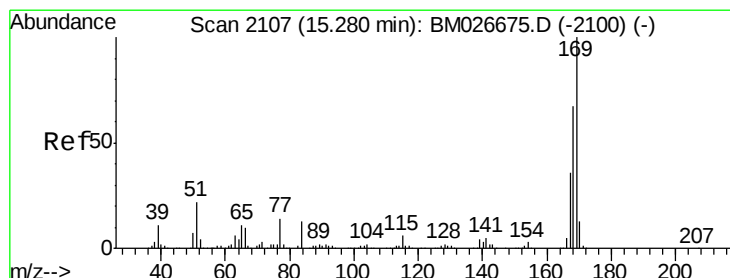
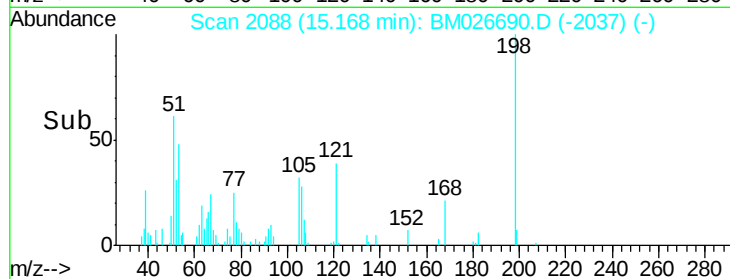
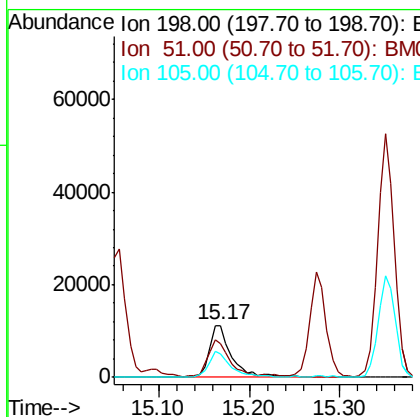
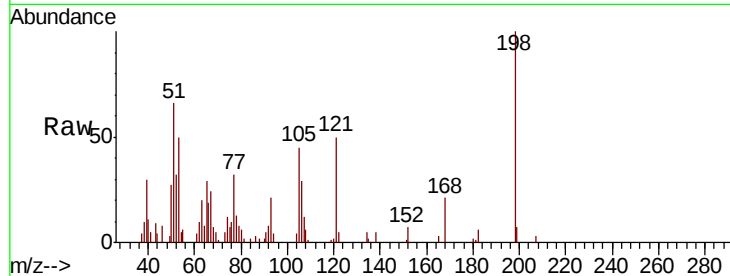
#65
4,6-Dinitro-2-methylphenol
Concen: 6.497 ng
RT: 15.17 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp	Lower	Upper
198	100	19210		
51	65.9	42.0	82.0	
105	45.4	24.9	64.9	

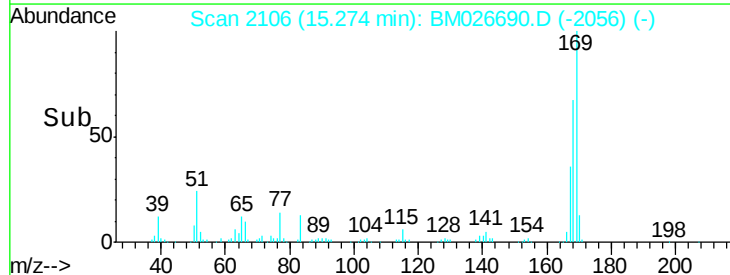
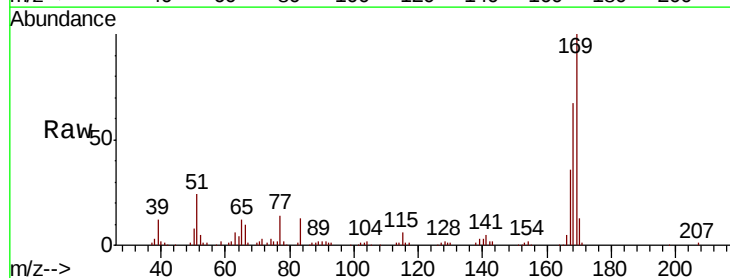
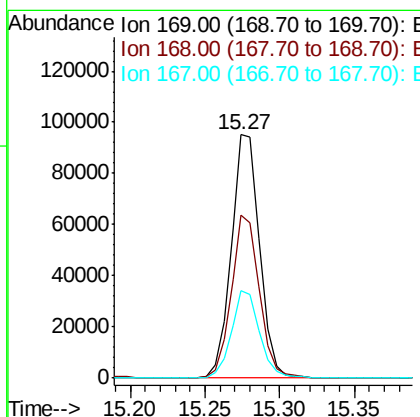
Manual Integrations
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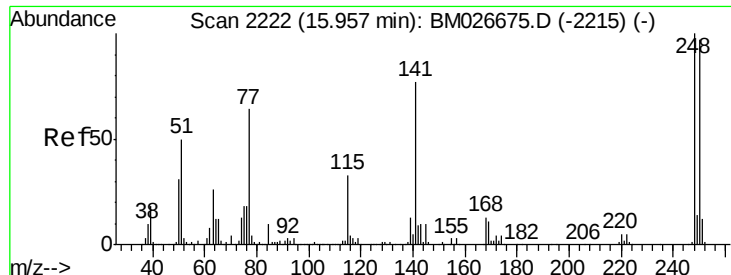
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 9.137 ng
RT: 15.27 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	126283		
168	66.8	53.8	80.8	
167	35.9	28.6	43.0	





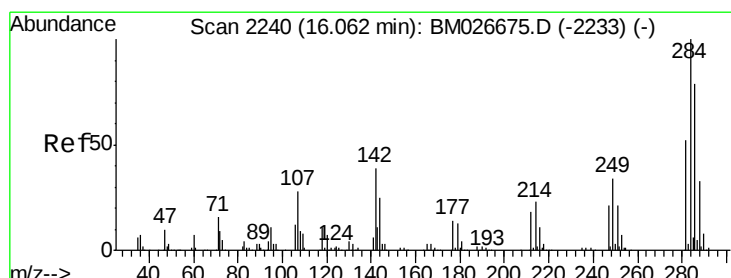
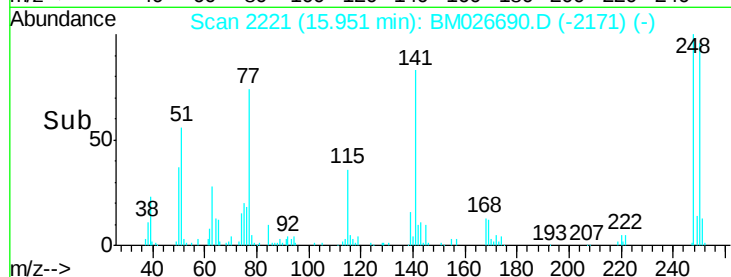
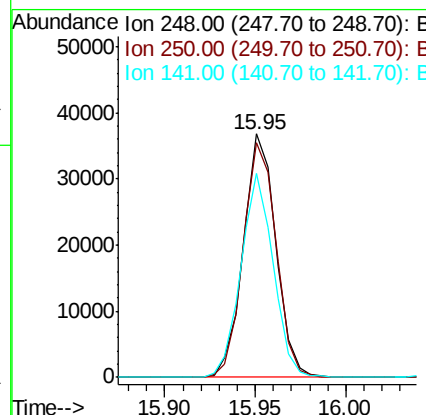
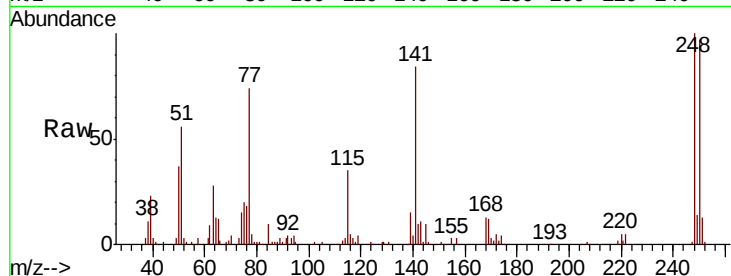
#67
 4-Bromophenyl-phenylether
 Concen: 8.465 ng
 RT: 15.95 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.4	116.2
141	83.6	61.9	92.9

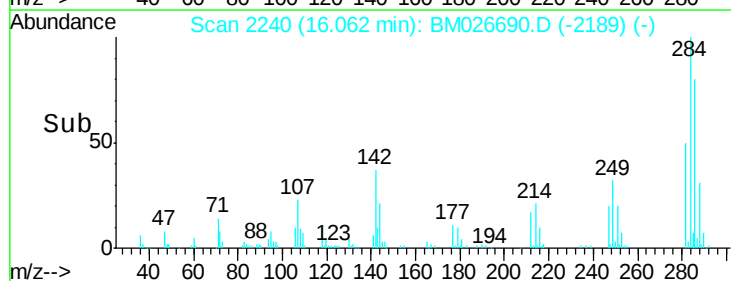
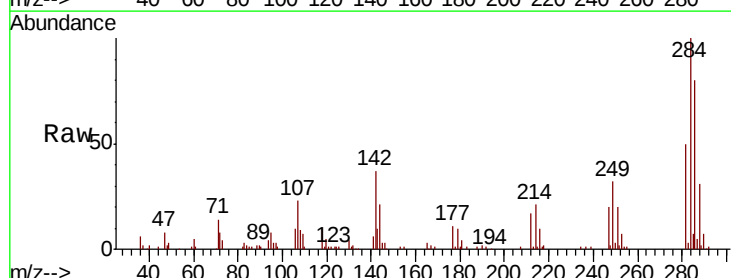
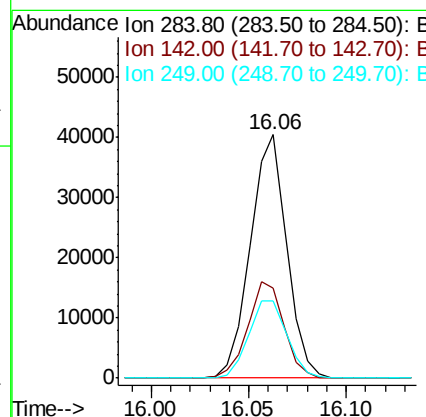
Manual Integrations
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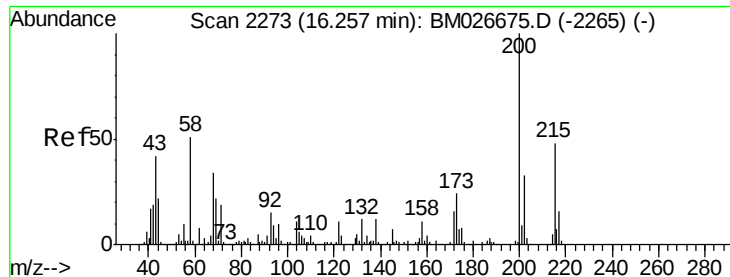
mohammad
 7/9/2020 10:56:46 AM



#68
 Hexachlorobenzene
 Concen: 9.171 ng
 RT: 16.06 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.8	31.1	46.7
249	31.8	27.4	41.0





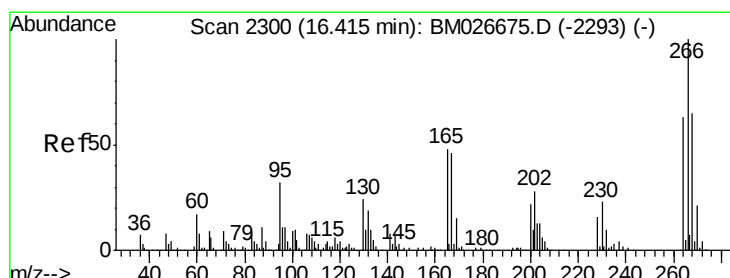
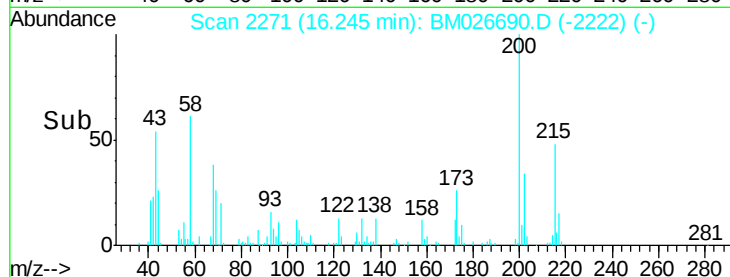
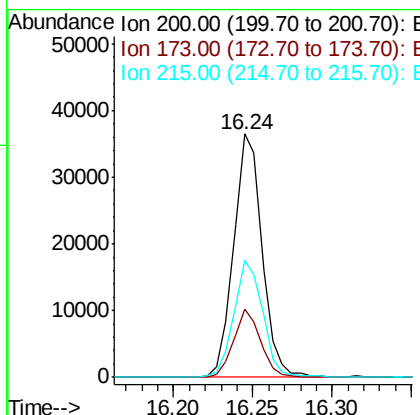
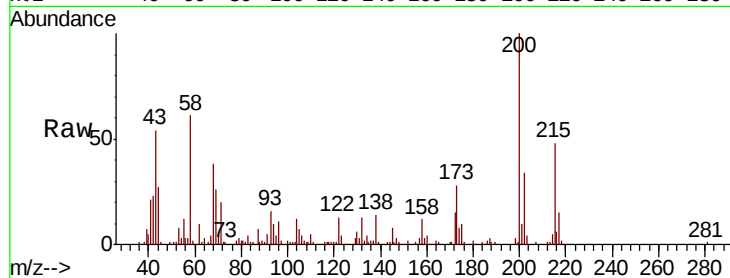
#69
 Atrazine
 Concen: 10.900 ng
 RT: 16.24 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.2	4.5	44.5
215	47.9	28.4	68.4

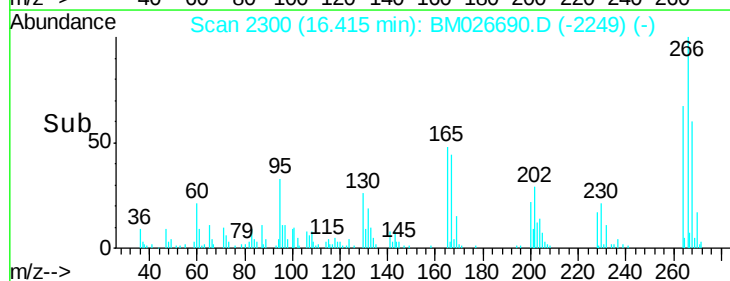
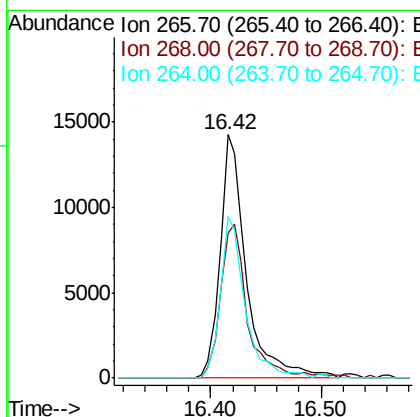
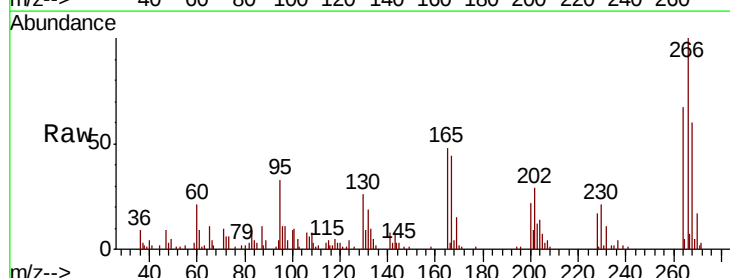
Manual Integrations
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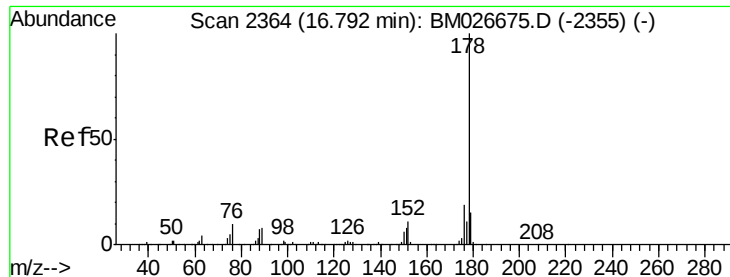
mohammad
 7/9/2020 10:56:46 AM



#70
 Pentachlorophenol
 Concen: 7.333 ng
 RT: 16.42 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.7	51.8	77.6
264	66.6	50.1	75.1





#71

Phenanthrene

Concen: 9.084 ng

RT: 16.79 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

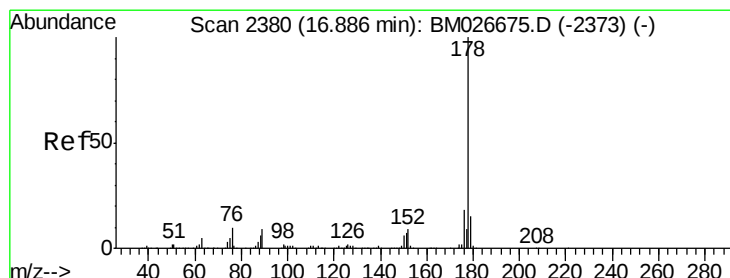
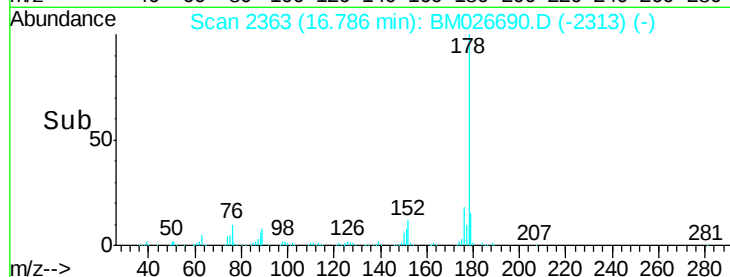
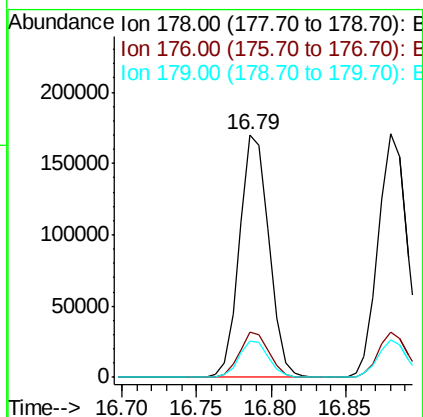
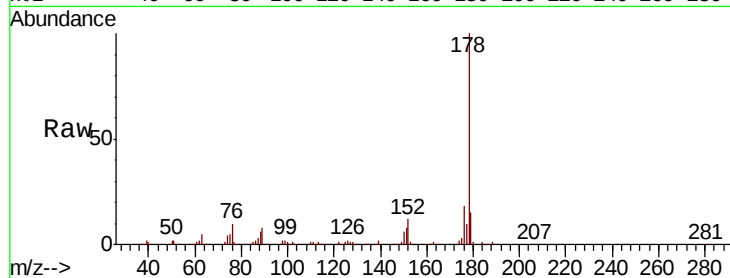
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:178	Resp:	233243
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.0 22.6
179	14.8	12.1 18.1

Manual Integrations
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#72

Anthracene

Concen: 9.178 ng

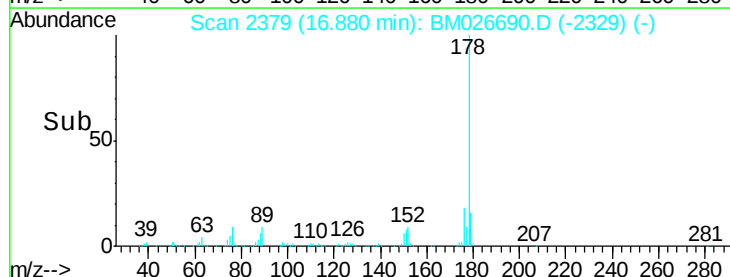
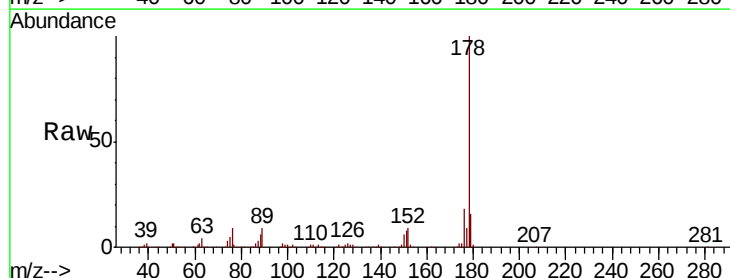
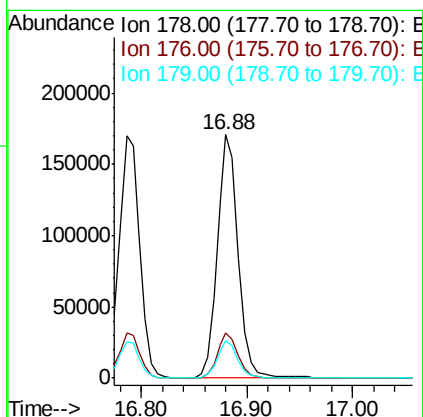
RT: 16.88 min Scan# 2379

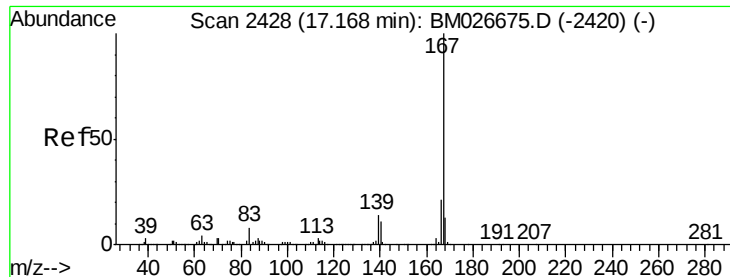
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:178	Resp:	234595
Ion Ratio	Lower	Upper
178	100	
176	18.4	14.7 22.1
179	15.7	12.1 18.1





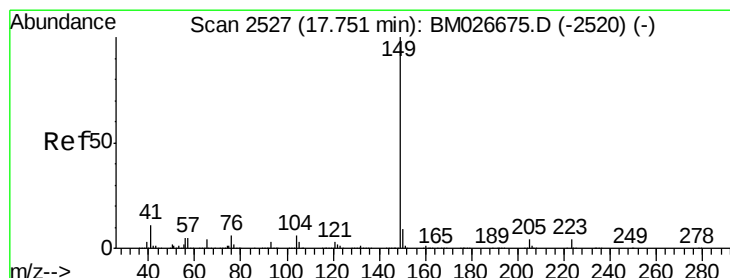
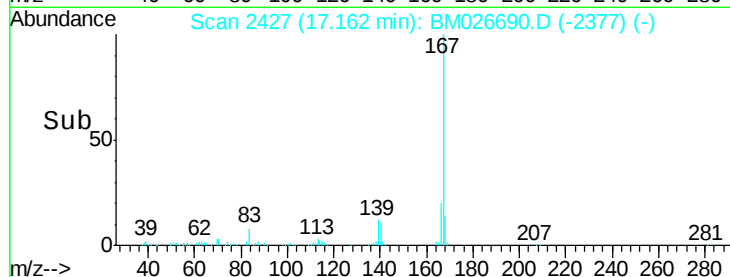
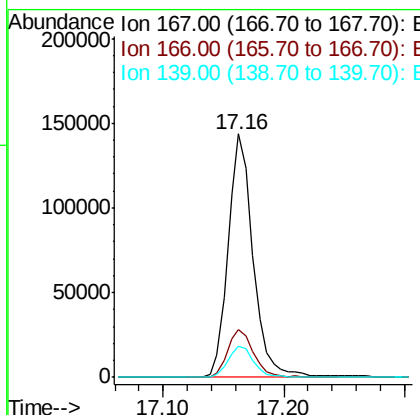
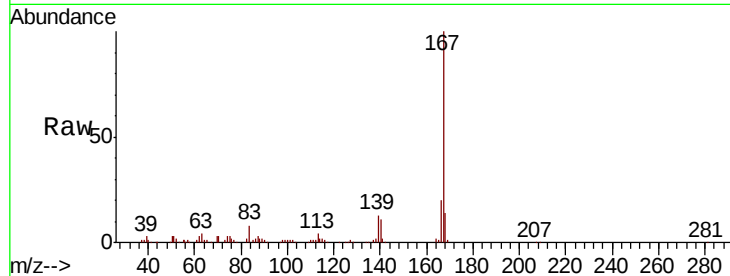
#73
 Carbazole
 Concen: 8.464 ng
 RT: 17.16 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp	Lower	Upper
167	100	206255		
166	19.5		16.9	25.3
139	12.8		10.8	16.2

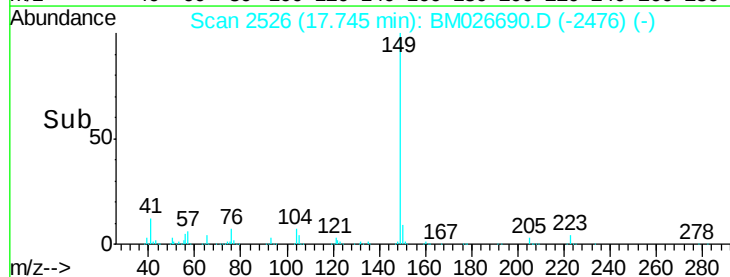
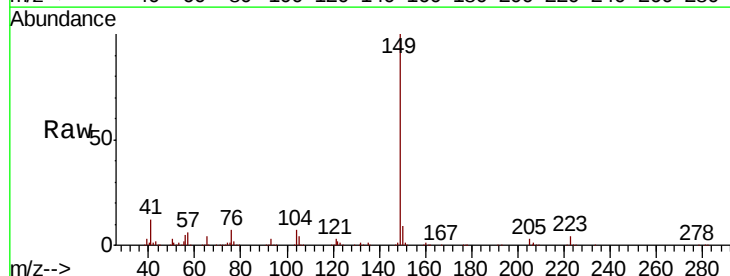
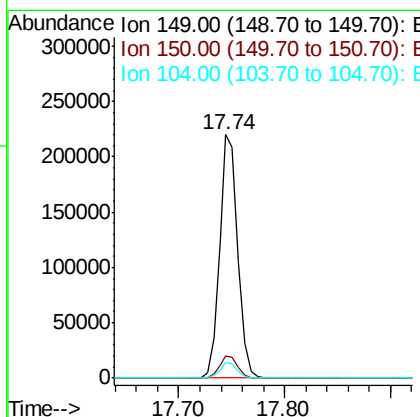
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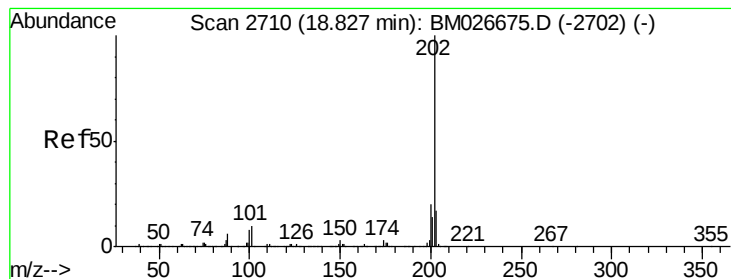
mohammad
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#74
 Di-n-butylphthalate
 Concen: 8.582 ng
 RT: 17.74 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	262942		
150	9.1		7.3	10.9
104	6.6		5.0	7.4





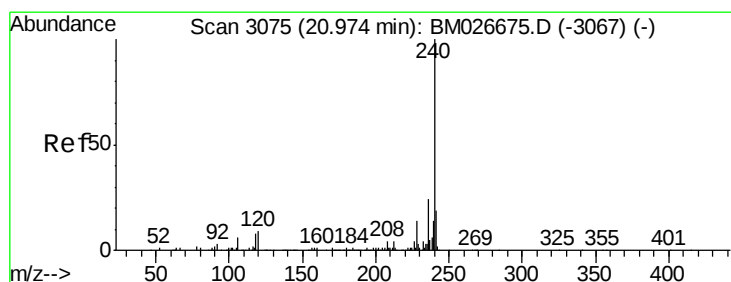
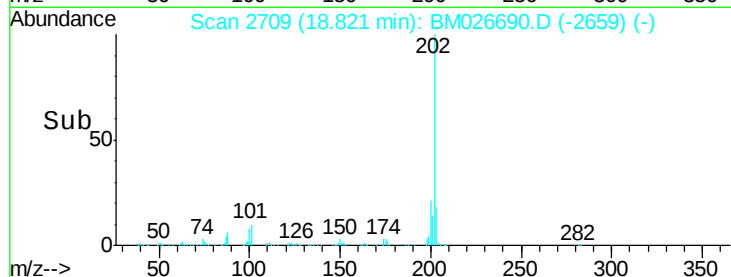
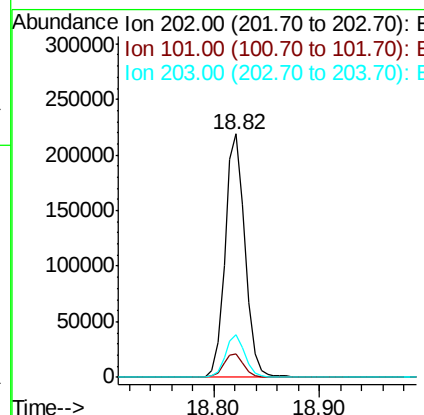
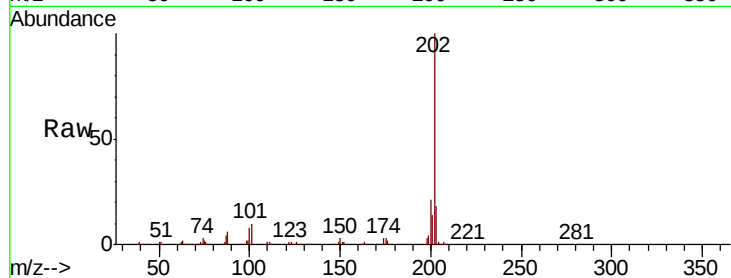
#75
 Fluoranthene
 Concen: 9.088 ng
 RT: 18.82 min Scan# 2709
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	30.1
203	17.6	0.0	37.2

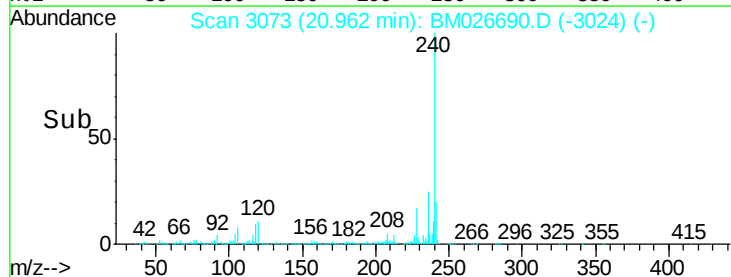
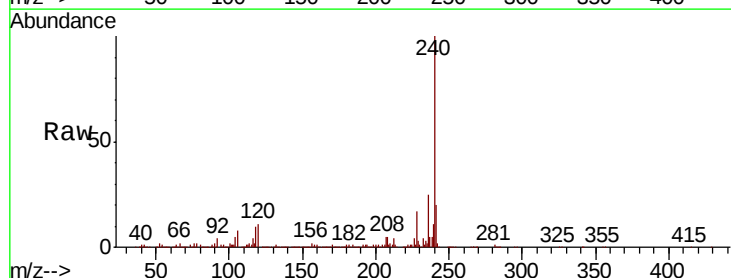
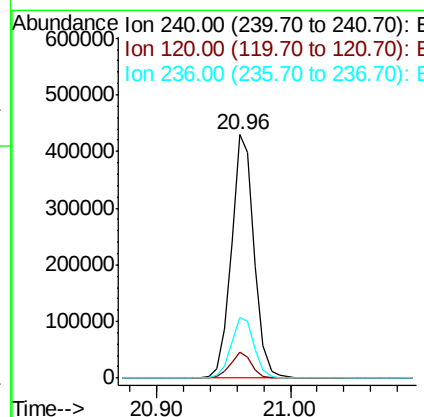
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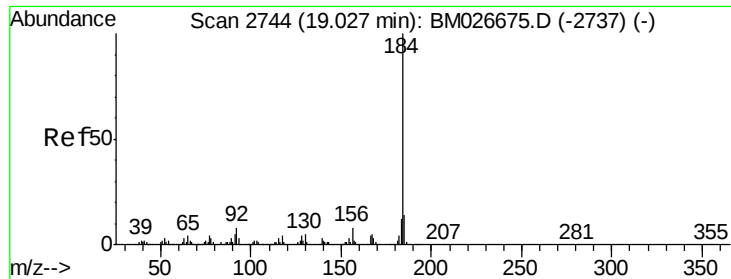
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 20.96 min Scan# 3073
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	7.3	10.9
236	24.7	19.4	29.2





#77

Benzidine

Concen: 11.638 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

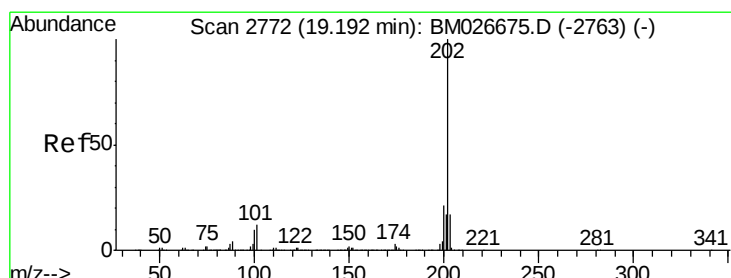
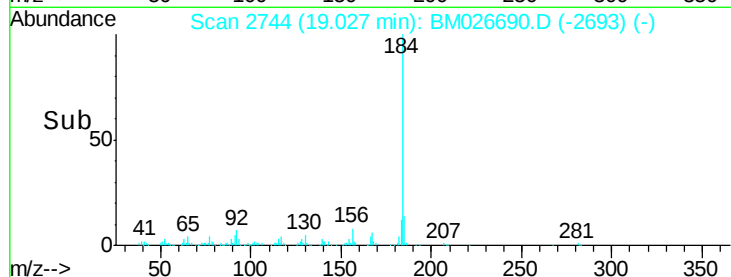
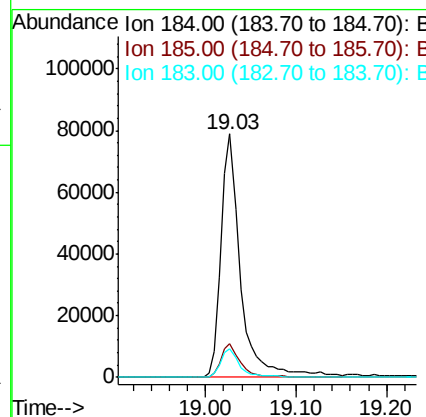
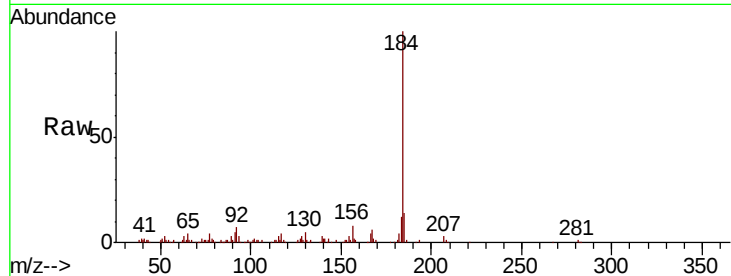
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	117860
Ion Ratio	Lower	Upper	
184	100		
185	13.7	10.9	16.3
183	11.8	9.3	13.9

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#78

Pyrene

Concen: 9.265 ng

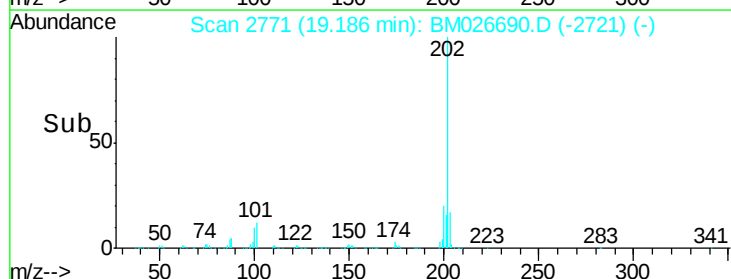
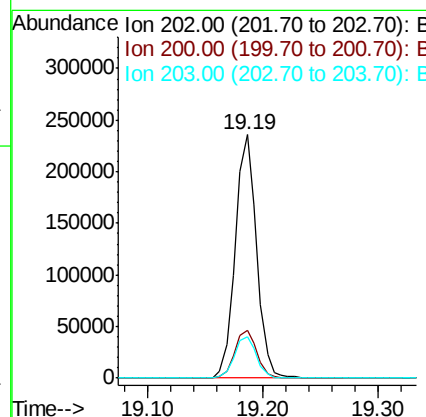
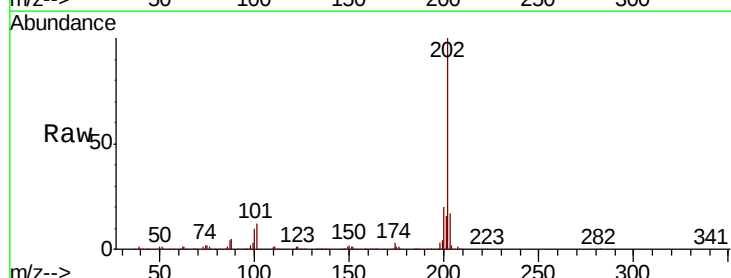
RT: 19.19 min Scan# 2771

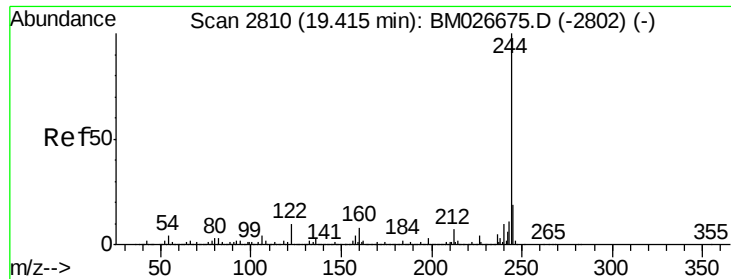
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	202	Resp:	299786
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.6	24.8
203	17.0	13.7	20.5





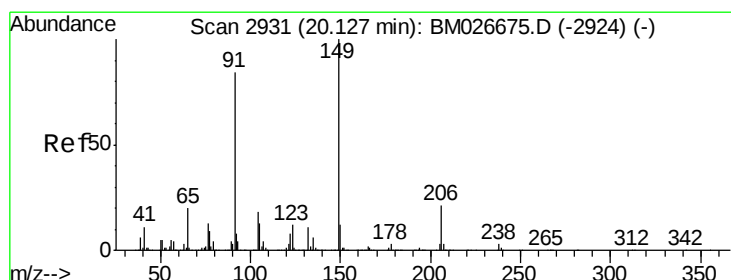
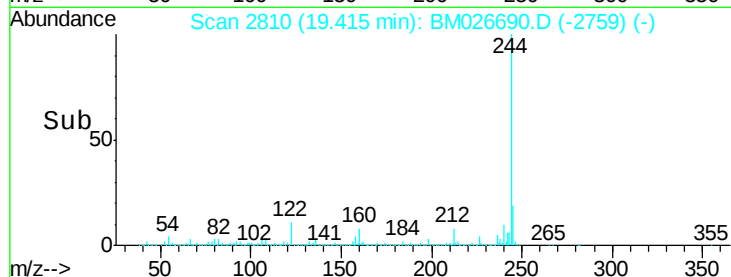
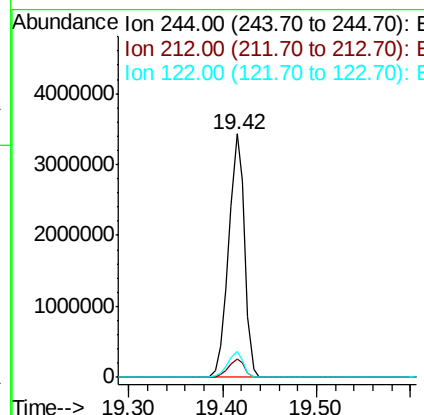
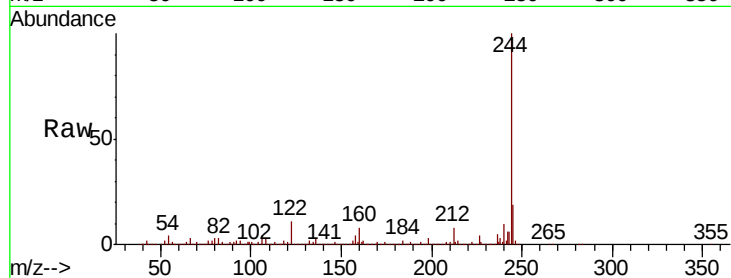
#79
 Terphenyl-d14
 Concen: 154.180 ng
 RT: 19.42 min Scan# 2810
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

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

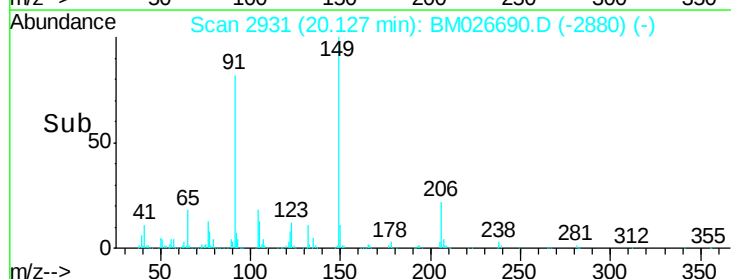
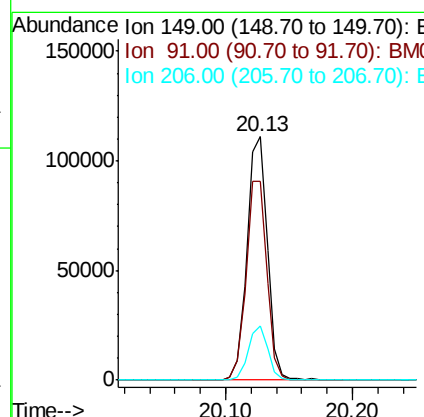
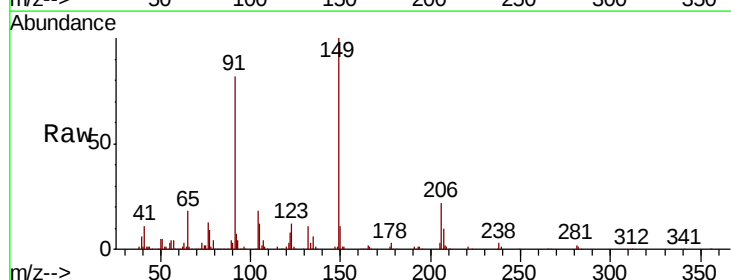
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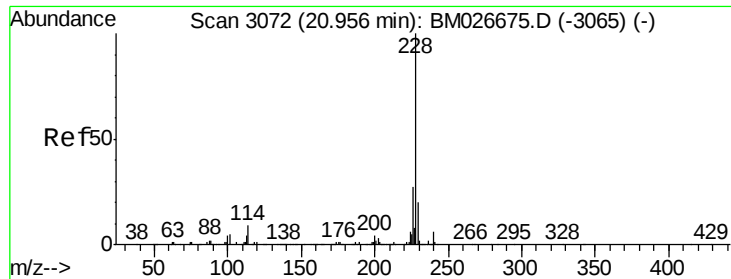
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#80
 Butylbenzylphthalate
 Concen: 8.459 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.6	67.6	101.4
206	22.2	16.7	25.1





#81

Benzo(a)anthracene

Concen: 9.327 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

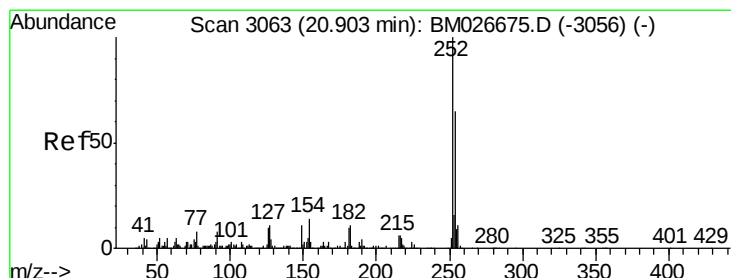
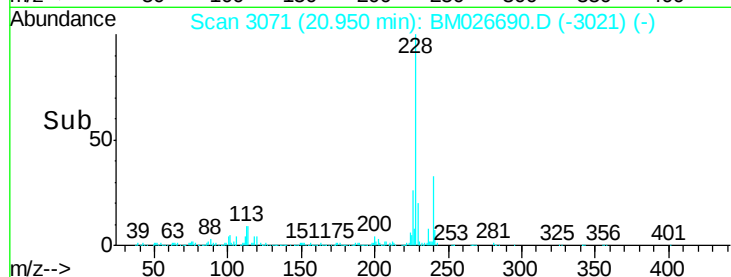
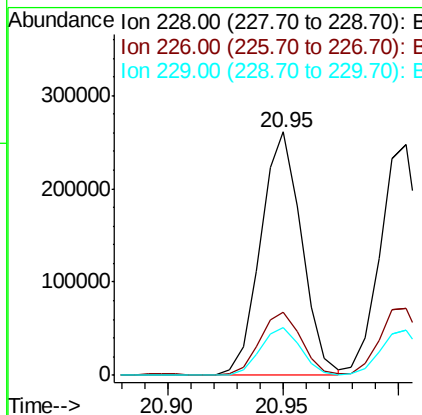
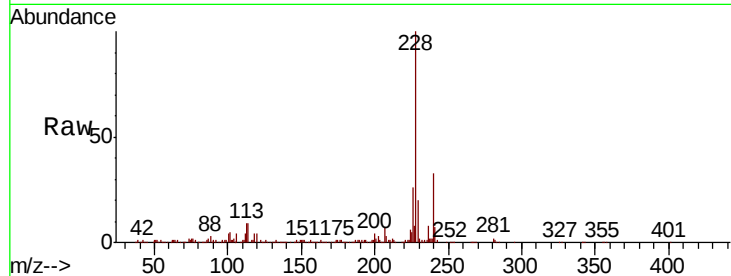
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	228	Resp:	321818
Ion Ratio	Lower	Upper	
228	100		
226	25.7	21.4	32.2
229	19.6	15.6	23.4

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#82

3,3'-Dichlorobenzidine

Concen: 10.114 ng

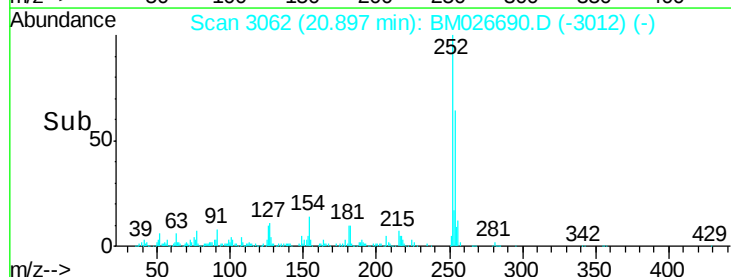
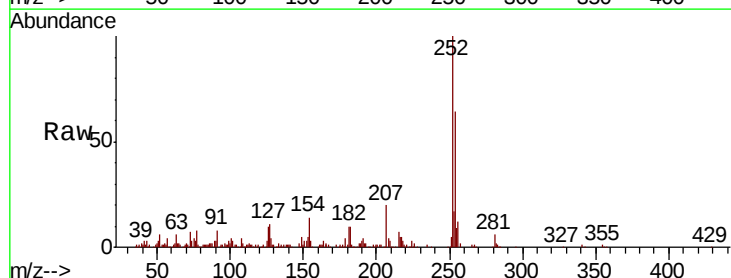
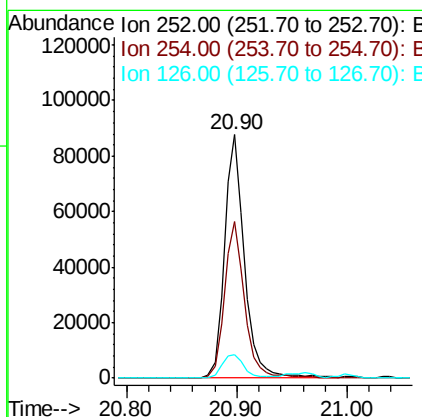
RT: 20.90 min Scan# 3062

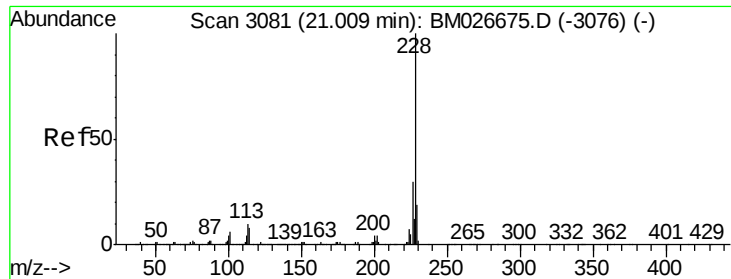
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	252	Resp:	110765
Ion Ratio	Lower	Upper	
252	100		
254	64.4	51.9	77.9
126	9.8	8.2	12.2





#83

Chrysene

Concen: 9.097 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Instrument :

BNA_M

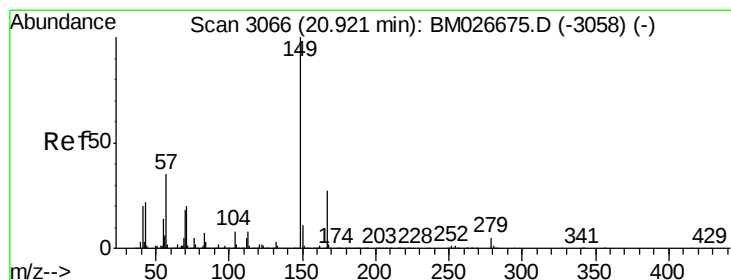
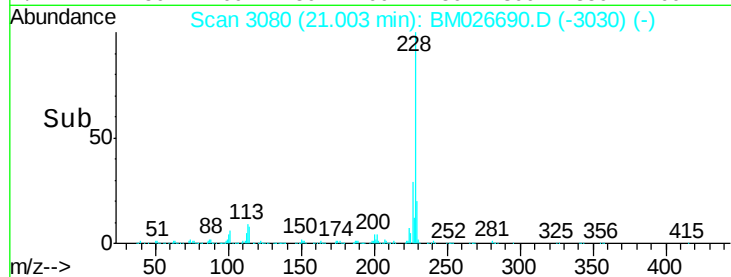
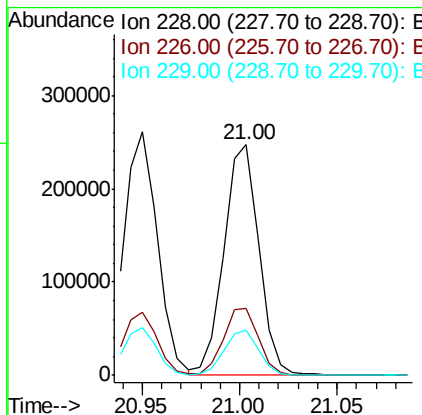
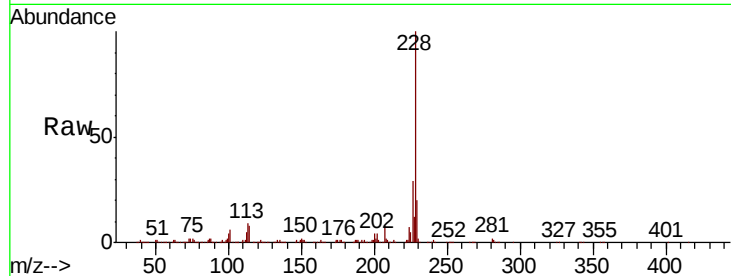
ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:	228	Resp:	305505
Ion Ratio		Lower	Upper
228	100		
226	28.9	23.7	35.5
229	19.8	15.4	23.0

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#84

Bis(2-ethylhexyl)phthalate

Concen: 8.568 ng

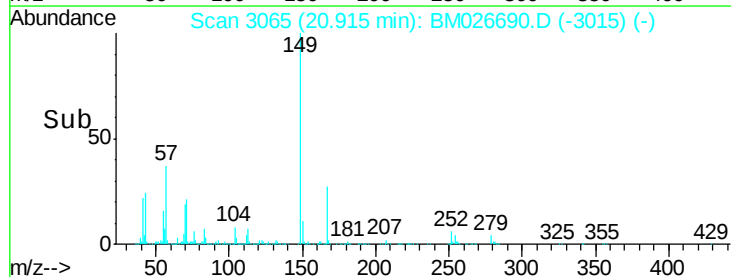
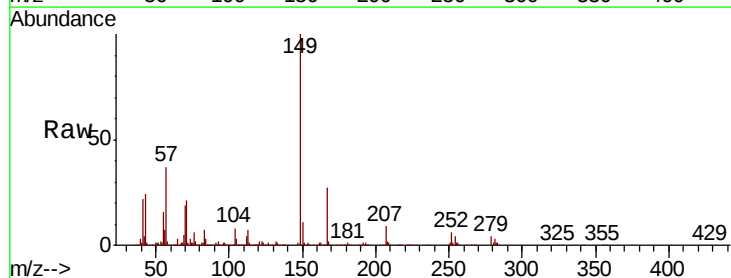
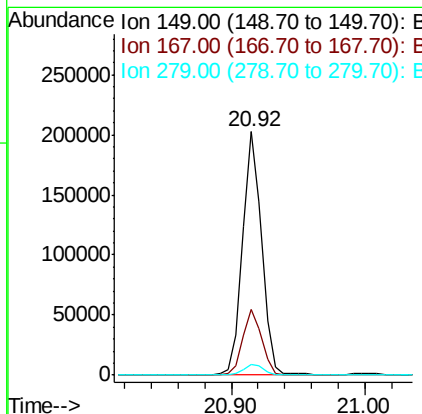
RT: 20.92 min Scan# 3065

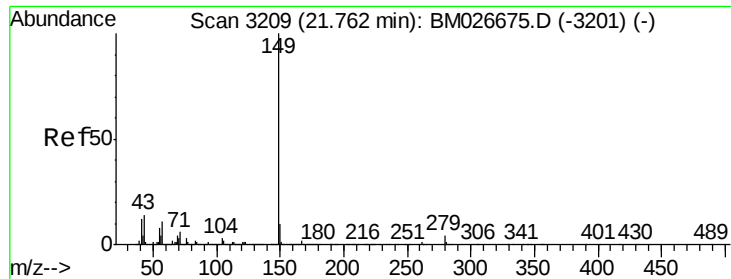
Delta R.T. -0.01 min

Lab File: BM026690.D

Acq: 07 Jul 2020 23:20

Tgt Ion:	149	Resp:	199317
Ion Ratio		Lower	Upper
149	100		
167	26.9	21.9	32.9
279	4.2	3.7	5.5





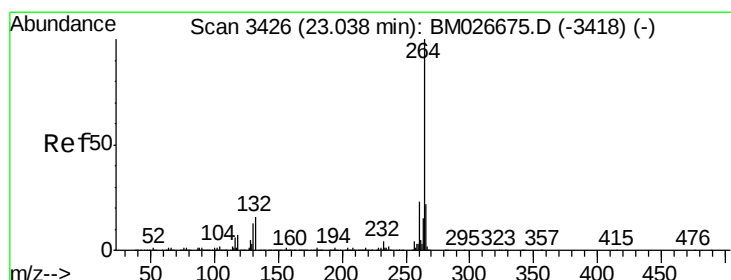
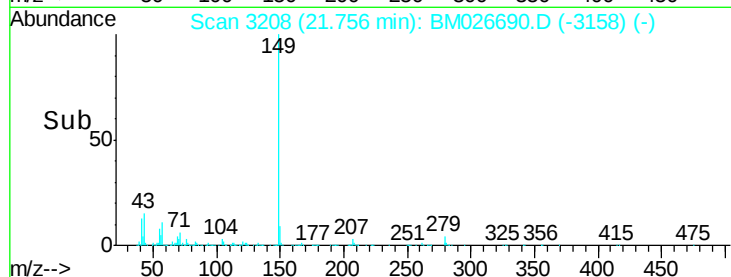
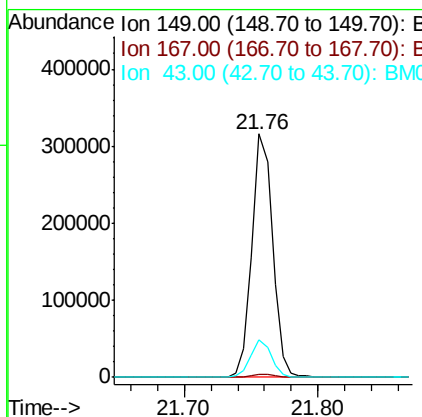
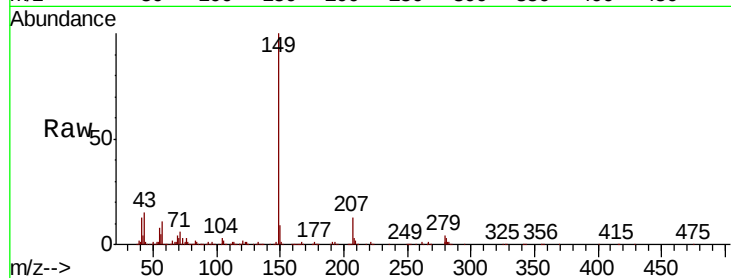
#85
Di-n-octyl phthalate
Concen: 8.400 ng
RT: 21.76 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	15.4	11.2	16.8

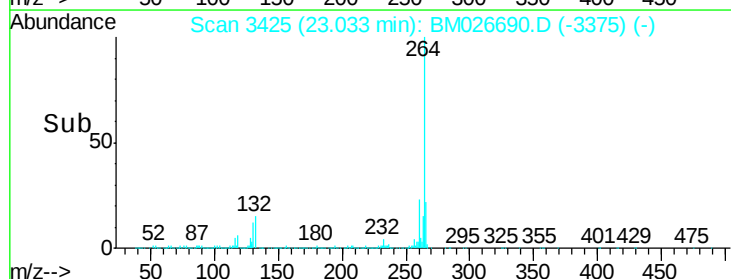
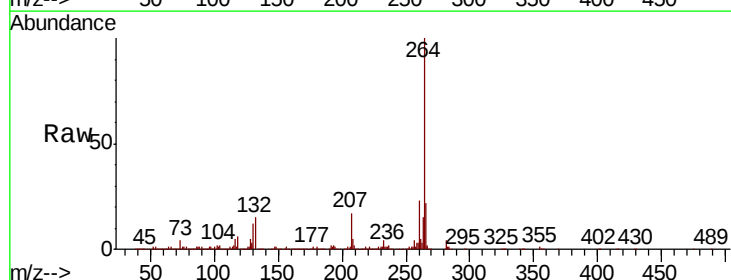
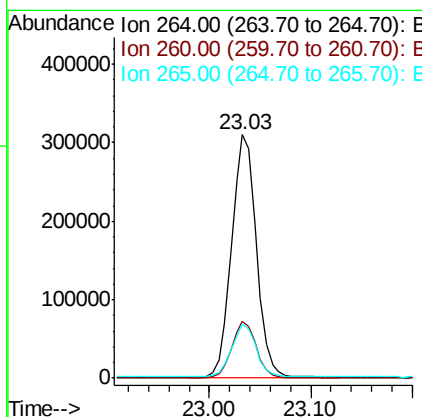
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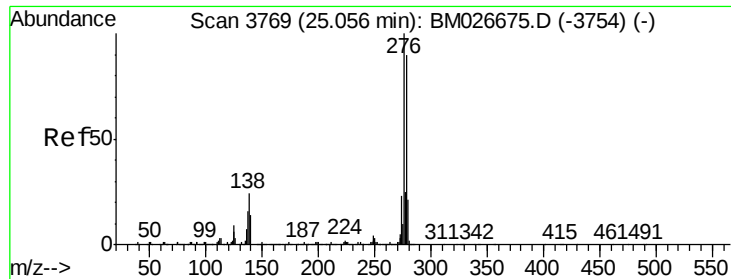
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.03 min Scan# 3425
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	22.2	17.6	26.4





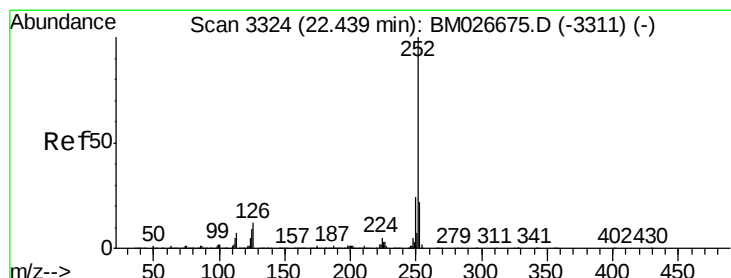
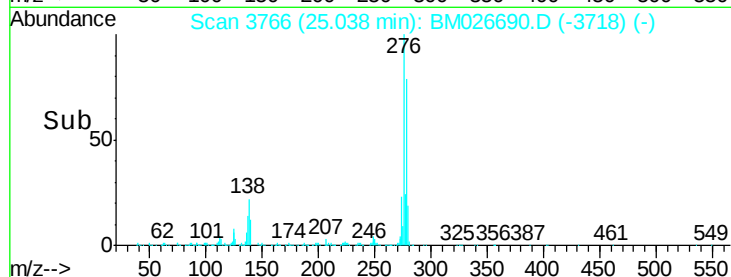
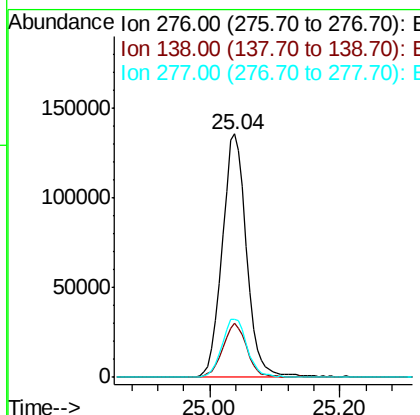
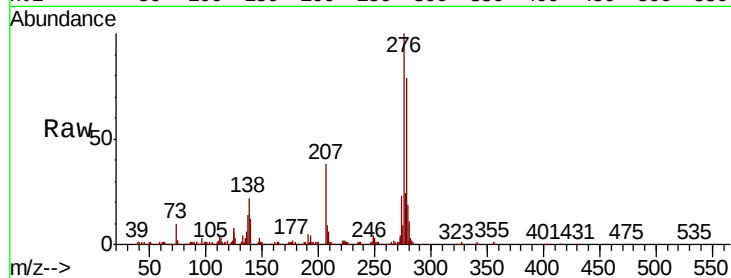
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.350 ng
 RT: 25.04 min Scan# 3766
 Delta R.T. -0.02 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.4	27.6
277	24.9	20.0	30.0

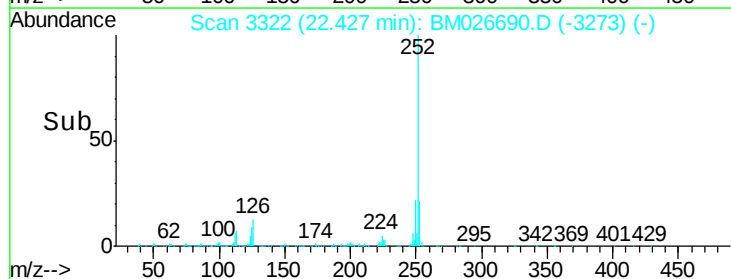
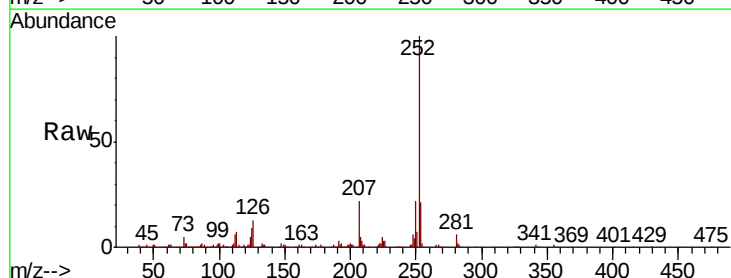
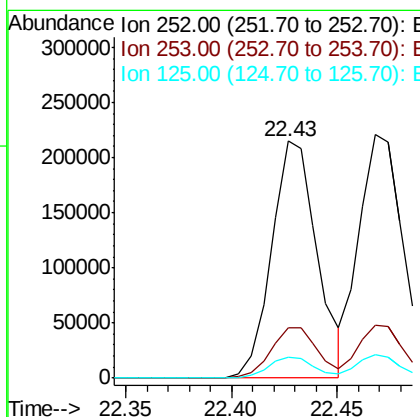
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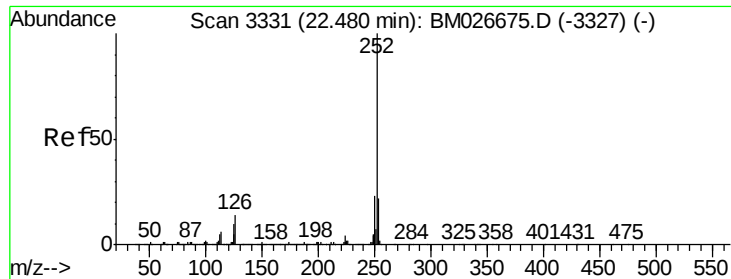
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#88
 Benzo(b)fluoranthene
 Concen: 9.218 ng
 RT: 22.43 min Scan# 3322
 Delta R.T. -0.01 min
 Lab File: BM026690.D
 Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	9.0	7.5	11.3





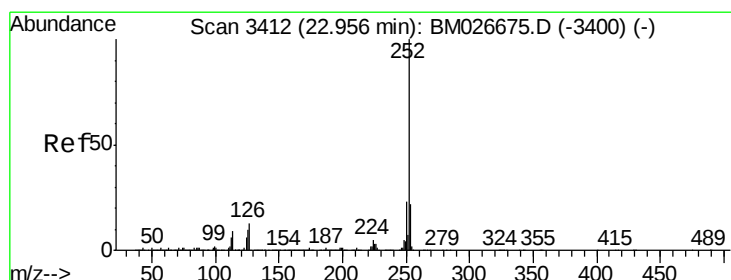
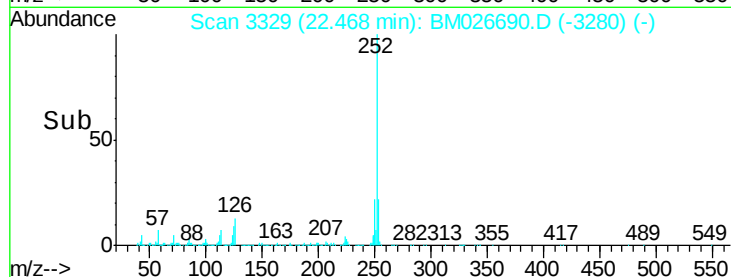
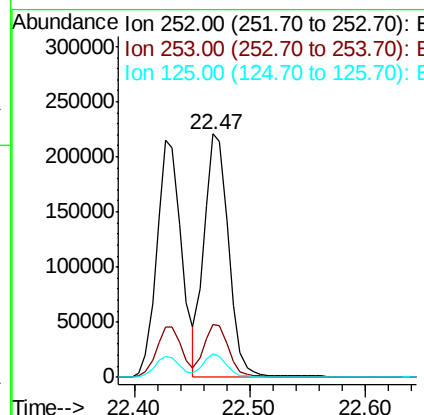
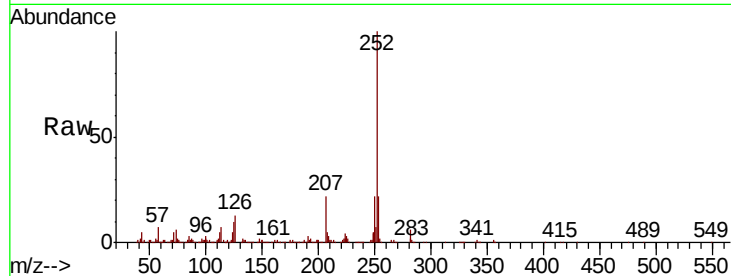
#89
Benzo(k)fluoranthene
Concen: 9.514 ng
RT: 22.47 min Scan# 3329
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.5	7.8	11.8

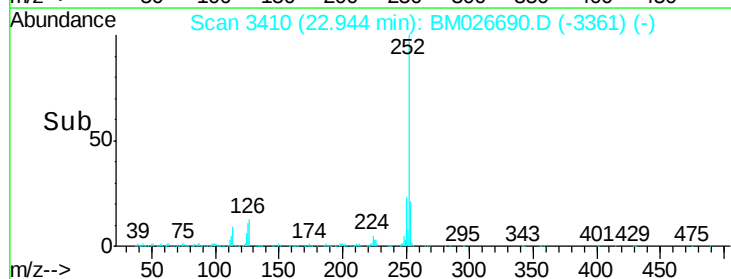
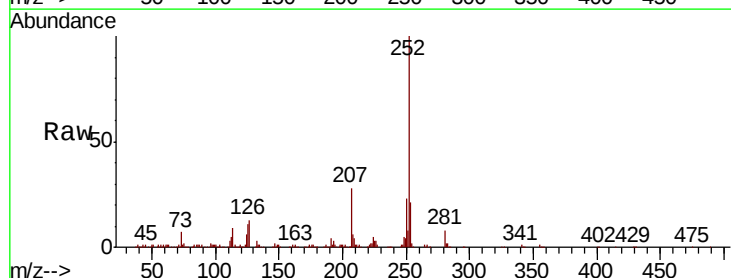
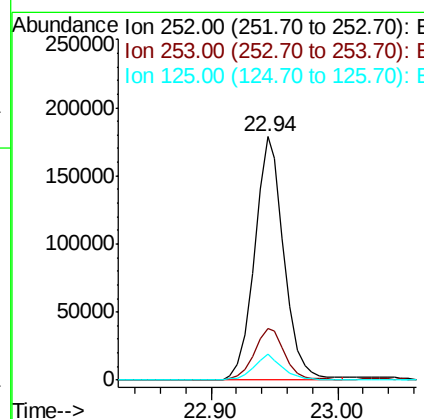
Manual Integrations
APPROVED

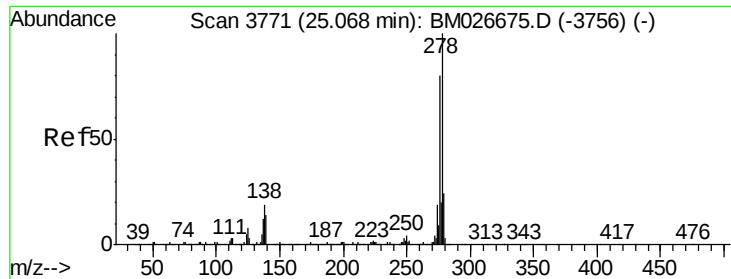
mohammad
7/9/2020 10:56:46 AM



#90
Benzo(a)pyrene
Concen: 8.839 ng
RT: 22.94 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	10.8	8.2	12.4





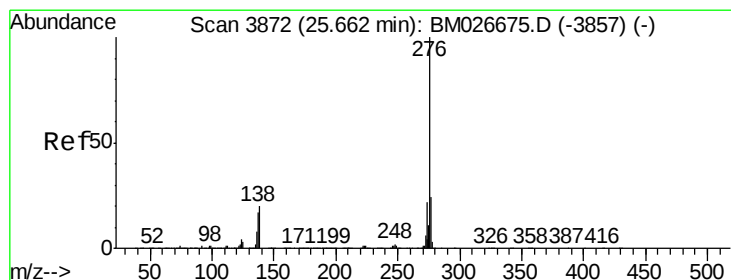
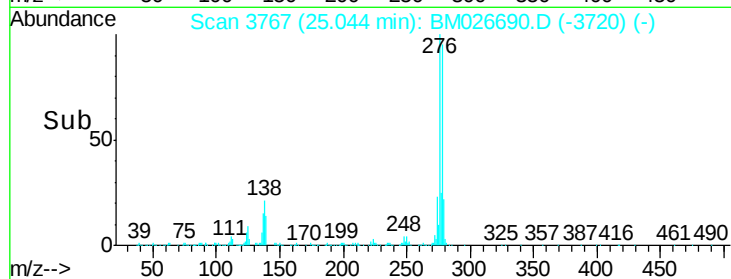
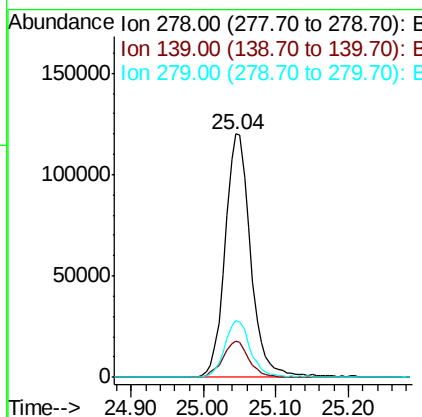
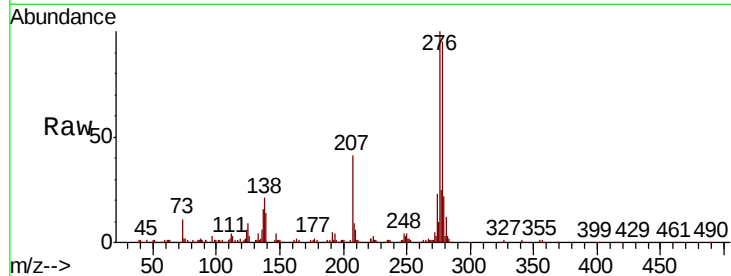
#91
Dibenzo(a,h)anthracene
Concen: 9.283 ng
RT: 25.04 min Scan# 3767
Delta R.T. -0.02 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.0	11.2	16.8
279	23.2	19.0	28.4

Manual Integrations
APPROVED

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#92
Benzo(g,h,i)perylene
Concen: 9.635 ng
RT: 25.64 min Scan# 3869
Delta R.T. -0.02 min
Lab File: BM026690.D
Acq: 07 Jul 2020 23:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	20.0	15.8	23.8

