

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031323\
 Data File : BP014069.D
 Acq On : 13 Mar 2023 18:33
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 14 04:21:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 04:15:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/14/2023
 Supervised By : Jagrut Upadhyay 03/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.069	152	145313	20.000	ng	0.00
21) Naphthalene-d8	10.893	136	512525	20.000	ng	# 0.00
39) Acenaphthene-d10	14.710	164	299663	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	600423	20.000	ng	# 0.00
76) Chrysene-d12	21.539	240	508790	20.000	ng	0.00
86) Perylene-d12	24.074	264	509907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	1009932	112.712	ng	0.00
7) Phenol-d6	7.222	99	1290970	109.737	ng	0.00
23) Nitrobenzene-d5	9.246	82	918107	81.874	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	478079	98.399	ng	0.00
45) 2-Fluorobiphenyl	13.334	172	1859275	80.385	ng	0.00
79) Terphenyl-d14	19.998	244	2366777	76.705	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.470	88	15819	4.064	ng	95
3) Pyridine	3.905	79	33061m	3.058	ng	
4) n-Nitrosodimethylamine	3.799	42	16922	3.527	ng	# 94
6) Aniline	7.393	93	55049	3.562	ng	98
8) 2-Chlorophenol	7.628	128	35462	3.695	ng	97
9) Benzaldehyde	7.211	77	36603	6.218	ng	99
10) Phenol	7.252	94	46010	3.758	ng	93
11) bis(2-Chloroethyl)ether	7.487	93	36319	3.746	ng	96
12) 1,3-Dichlorobenzene	7.958	146	41392	3.925	ng	99
13) 1,4-Dichlorobenzene	8.105	146	41870	3.924	ng	93
14) 1,2-Dichlorobenzene	8.428	146	40823	3.995	ng	98
15) Benzyl Alcohol	8.316	79	30499	3.180	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.599	45	46181	4.376	ng	97
17) 2-Methylphenol	8.516	107	27618	3.163	ng	97
18) Hexachloroethane	9.158	117	14819	3.697	ng	88
19) n-Nitroso-di-n-propyla...	8.875	70	26097	3.370	ng	# 95
20) 3+4-Methylphenols	8.846	107	36445	3.099	ng	96
22) Acetophenone	8.905	105	54428	3.786	ng	# 96
24) Nitrobenzene	9.287	77	46520m	4.054	ng	
25) Isophorone	9.810	82	64666	3.130	ng	99
26) 2-Nitrophenol	10.005	139	15254	3.056	ng	95
27) 2,4-Dimethylphenol	10.057	122	28603	3.525	ng	98
28) bis(2-Chloroethoxy)met...	10.293	93	43804	3.663	ng	99
29) 2,4-Dichlorophenol	10.546	162	28050	3.158	ng	95
30) 1,2,4-Trichlorobenzene	10.757	180	37206	3.689	ng	98
31) Naphthalene	10.946	128	104858	3.723	ng	99
32) Benzoic acid	10.175	122	7658m	3.776	ng	
33) 4-Chloroaniline	11.063	127	37585	3.113	ng	96
34) Hexachlorobutadiene	11.222	225	25370	3.460	ng	95
35) Caprolactam	11.840	113	6176m	2.429	ng	
36) 4-Chloro-3-methylphenol	12.175	107	29218	2.949	ng	93
37) 2-Methylnaphthalene	12.546	142	69209	3.331	ng	97
38) 1-Methylnaphthalene	12.763	142	64950	3.354	ng	97
40) 1,2,4,5-Tetrachloroben...	12.910	216	42487	3.720	ng	99
41) Hexachlorocyclopentadiene	12.881	237	20571	2.870	ng	99
43) 2,4,6-Trichlorophenol	13.151	196	22034	3.052	ng	95

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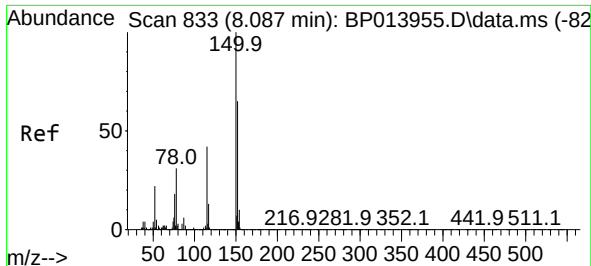
Quant Time: Mar 14 04:21:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.228	196	22895	2.737	ng	#	95
46) 1,1'-Biphenyl	13.546	154	94673	3.925	ng		95
47) 2-Chloronaphthalene	13.587	162	71965	3.876	ng		98
48) 2-Nitroaniline	13.798	65	16304	2.893	ng		91
49) Acenaphthylene	14.434	152	100002	3.387	ng		97
50) Dimethylphthalate	14.157	163	83331	3.371	ng		98
51) 2,6-Dinitrotoluene	14.281	165	15112	2.903	ng		93
52) Acenaphthene	14.769	154	64481	3.628	ng		97
53) 3-Nitroaniline	14.622	138	13348	2.616	ng		89
54) 2,4-Dinitrophenol	14.840	184	5357m	4.413	ng		
55) Dibenzofuran	15.104	168	105426	3.638	ng		98
57) 2,4-Dinitrotoluene	15.075	165	18034	2.591	ng	#	98
58) Fluorene	15.757	166	79883	3.472	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.334	232	21732m	2.977	ng		
60) Diethylphthalate	15.516	149	76415	3.131	ng		99
61) 4-Chlorophenyl-phenyle...	15.745	204	43071	3.302	ng		98
62) 4-Nitroaniline	15.787	138	11830m	2.329	ng		
63) Azobenzene	16.040	77	71118	3.149	ng		96
66) n-Nitrosodiphenylamine	15.963	169	65535	3.454	ng		97
67) 4-Bromophenyl-phenylether	16.645	248	25240	3.178	ng		93
68) Hexachlorobenzene	16.763	284	31398	3.688	ng		95
69) Atrazine	16.910	200	22200	3.333	ng		97
70) Pentachlorophenol	17.116	266	13496m	2.198	ng		
71) Phenanthrene	17.504	178	124055	3.698	ng		99
72) Anthracene	17.598	178	112632	3.286	ng		99
73) Carbazole	17.869	167	94261	3.188	ng		99
74) Di-n-butylphthalate	18.398	149	101900	2.757	ng		99
75) Fluoranthene	19.463	202	126388	3.152	ng		96
77) Benzidine	19.639	184	50443	6.907	ng	#	96
78) Pyrene	19.816	202	134200	3.436	ng		99
80) Butylbenzylphthalate	20.669	149	38052	2.570	ng		98
81) Benzo(a)anthracene	21.527	228	126872	3.399	ng		98
82) 3,3'-Dichlorobenzidine	21.457	252	44623	3.736	ng		99
83) Chrysene	21.580	228	127609	3.610	ng		99
84) Bis(2-ethylhexyl)phtha...	21.422	149	54877	2.527	ng		99
85) Di-n-octyl phthalate	22.386	149	82709	2.346	ng	#	94
87) Indeno(1,2,3-cd)pyrene	26.733	276	137616	3.493	ng		97
88) Benzo(b)fluoranthene	23.292	252	116856	3.500	ng	#	93
89) Benzo(k)fluoranthene	23.345	252	117993	3.564	ng	#	98
90) Benzo(a)pyrene	23.957	252	99348	3.120	ng	#	98
91) Dibenzo(a,h)anthracene	26.757	278	113839	3.476	ng	#	95
92) Benzo(g,h,i)perylene	27.562	276	115646	3.563	ng		98

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



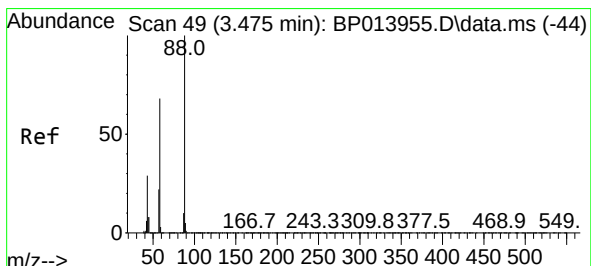
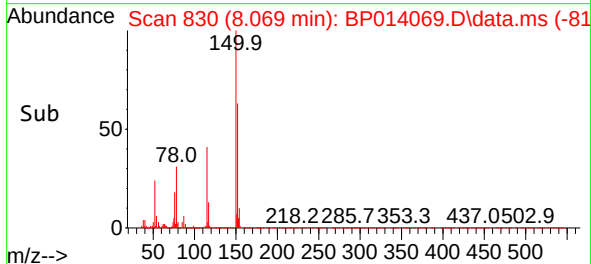
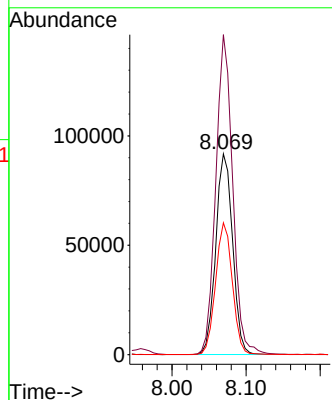
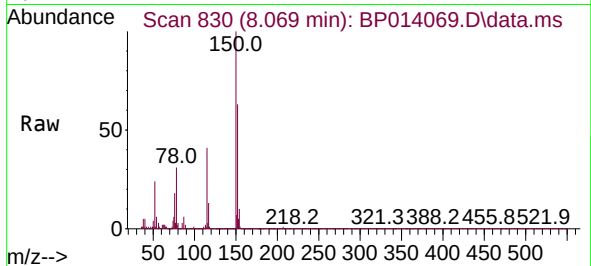
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:152 Resp: 145313
Ion Ratio Lower Upper
152 100
150 159.4 122.3 183.5
115 65.6 51.6 77.4

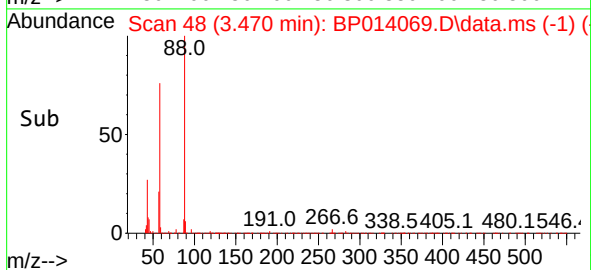
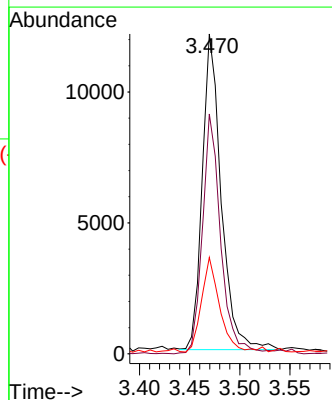
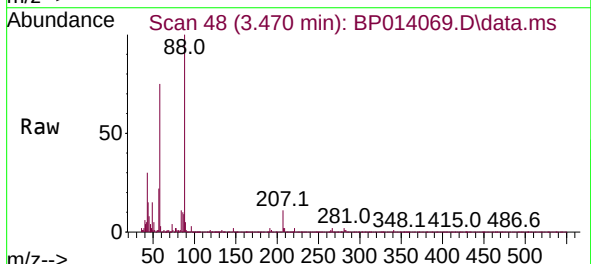
Manual Integrations
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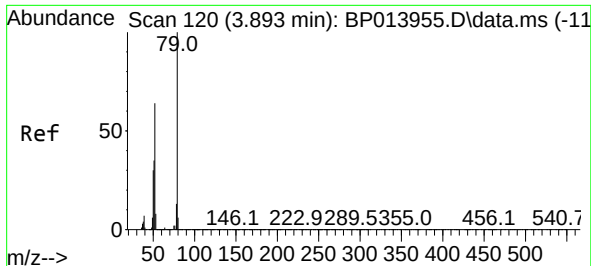
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#2
1,4-Dioxane
Concen: 4.064 ng
RT: 3.470 min Scan# 48
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 88 Resp: 15819
Ion Ratio Lower Upper
88 100
58 72.5 53.8 80.8
43 28.8 22.1 33.1





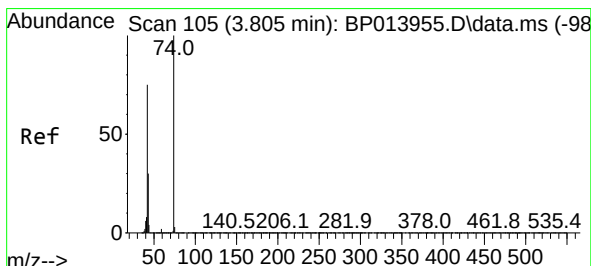
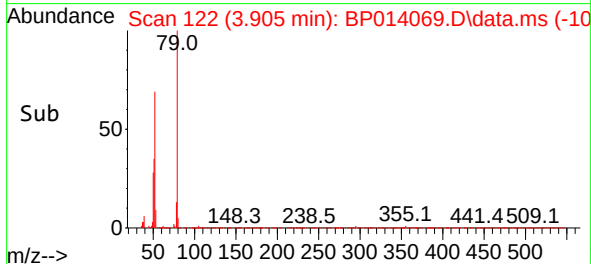
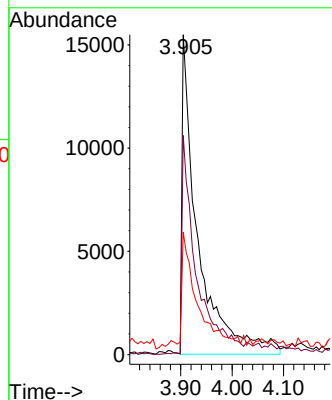
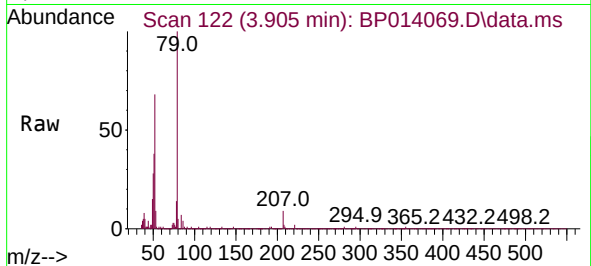
#3
Pyridine
Concen: 3.058 ng m
RT: 3.905 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 79 Resp: 3306
Ion Ratio Lower Upper
79 100
52 68.5 51.0 76.4
51 38.3 28.2 42.2

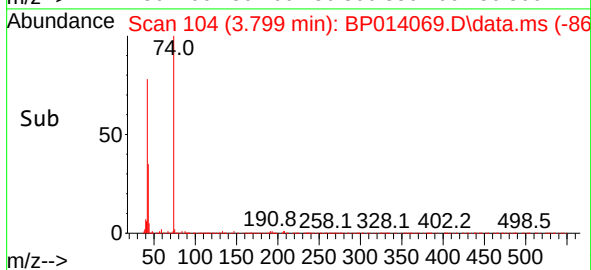
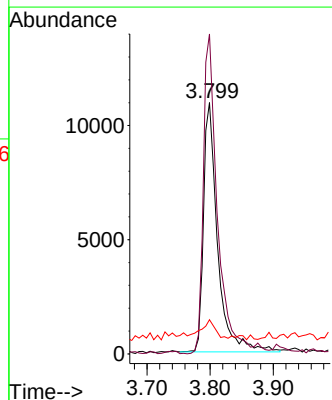
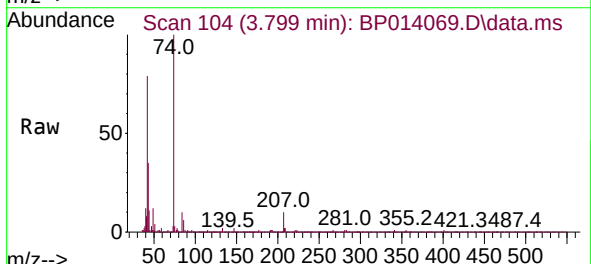
Manual Integrations
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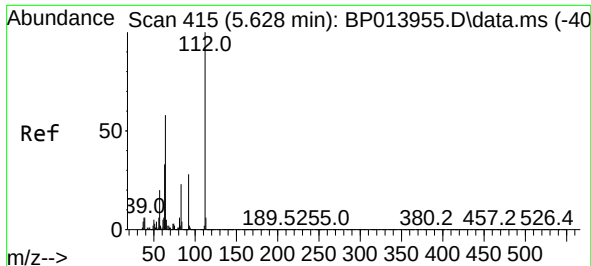
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#4
n-Nitrosodimethylamine
Concen: 3.527 ng
RT: 3.799 min Scan# 104
Delta R.T. 0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

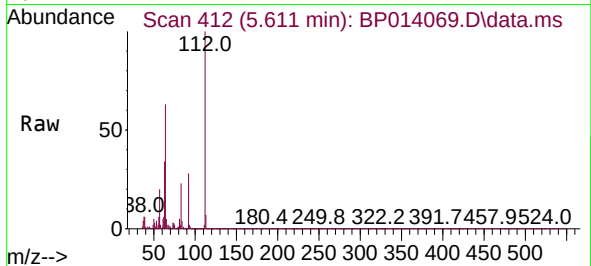
Tgt Ion: 42 Resp: 16922
Ion Ratio Lower Upper
42 100
74 127.4 107.0 160.6
44 13.6 4.5 6.7#





#5
2-Fluorophenol
Concen: 112.712 ng
RT: 5.611 min Scan# 411
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

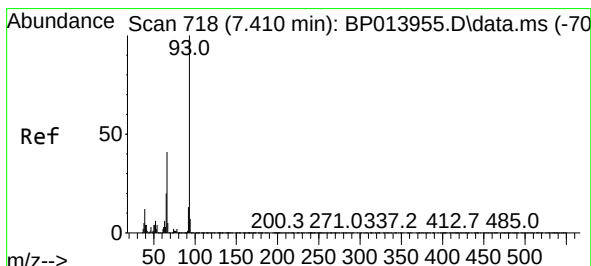
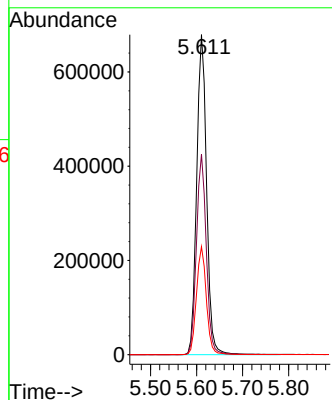
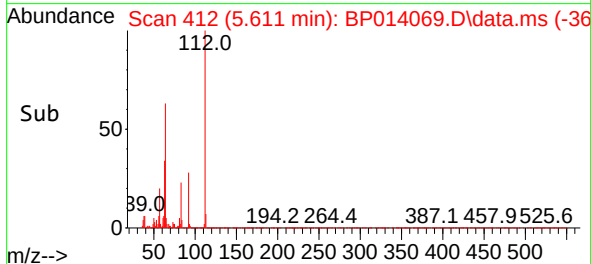
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:112 Resp: 1009932
Ion Ratio Lower Upper
112 100
64 62.6 46.7 70.1
63 33.7 26.6 40.0

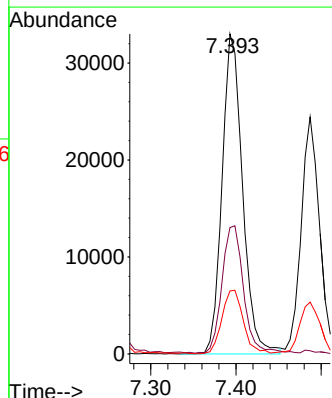
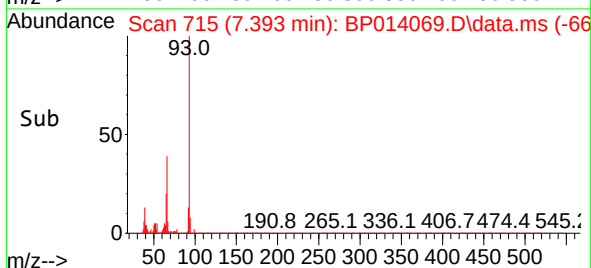
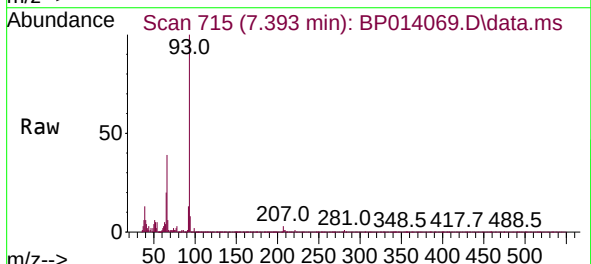
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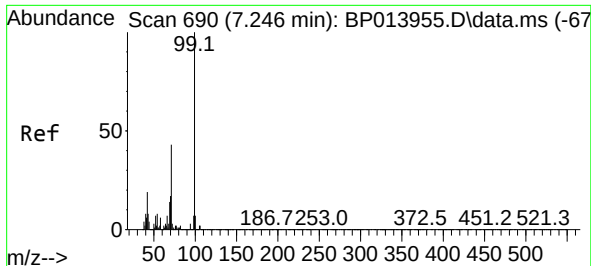
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#6
Aniline
Concen: 3.562 ng
RT: 7.393 min Scan# 715
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

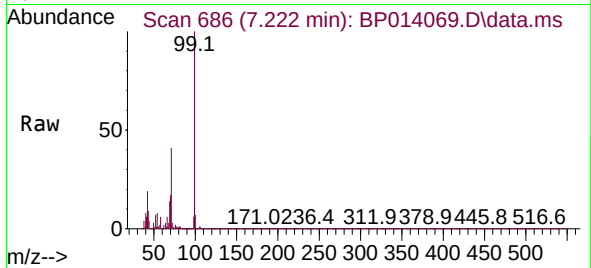
Tgt Ion: 93 Resp: 55049
Ion Ratio Lower Upper
93 100
66 39.5 32.6 48.8
65 19.7 16.0 24.0





#7
Phenol-d6
Concen: 109.737 ng
RT: 7.222 min Scan# 686
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

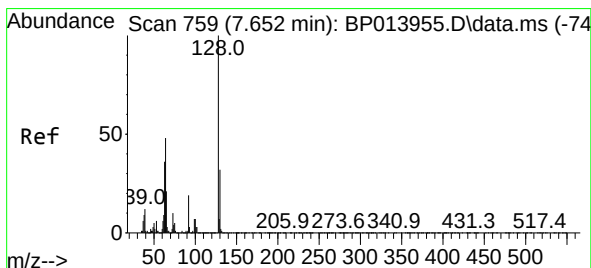
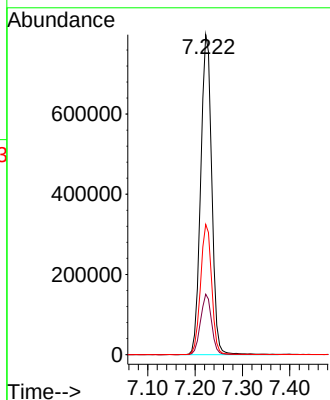
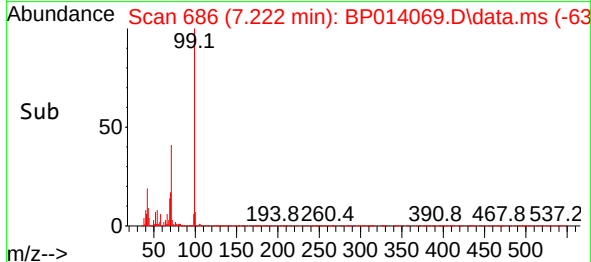
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 99 Resp: 1290970
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.6
71 40.7 34.3 51.5

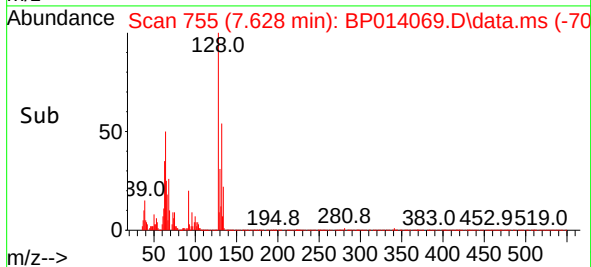
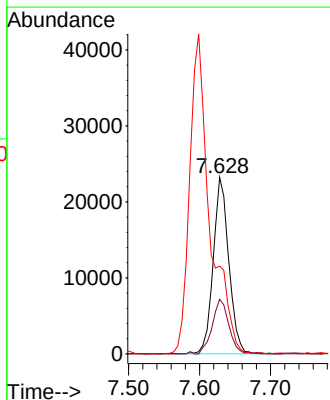
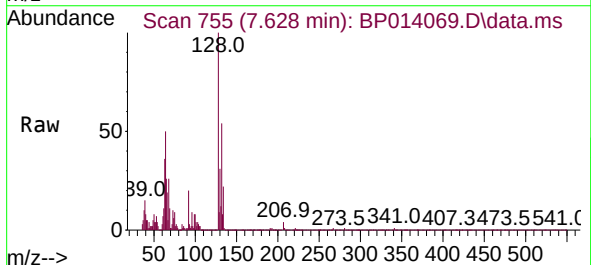
Manual Integrations
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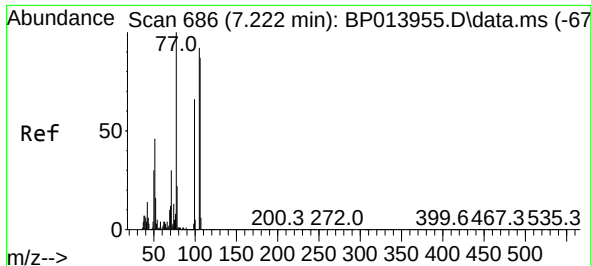
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#8
2-Chlorophenol
Concen: 3.695 ng
RT: 7.628 min Scan# 755
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:128 Resp: 35462
Ion Ratio Lower Upper
128 100
130 30.9 12.3 52.3
64 49.6 27.6 67.6





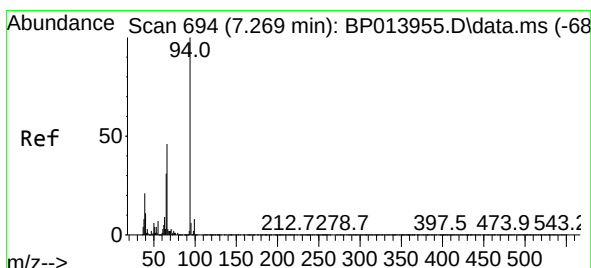
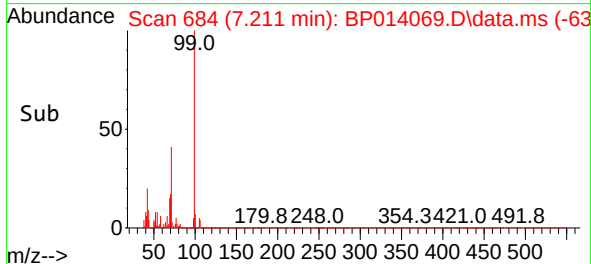
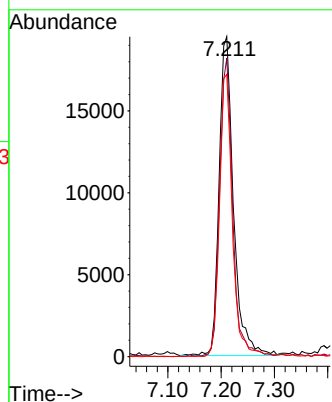
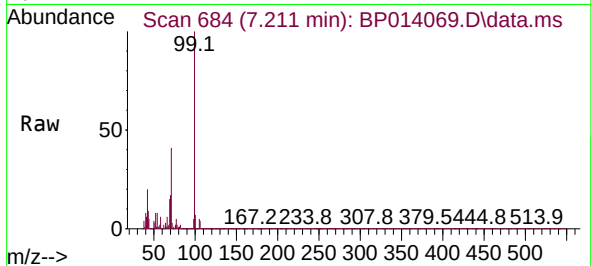
#9
Benzaldehyde
Concen: 6.218 ng
RT: 7.211 min Scan# 686
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 77 Resp: 36603
Ion Ratio Lower Upper
77 100
105 93.2 72.4 112.4
106 88.2 66.9 106.9

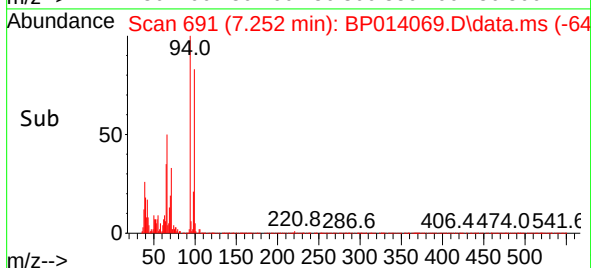
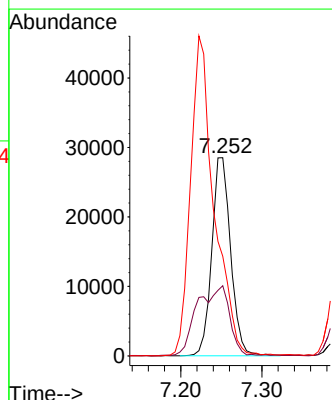
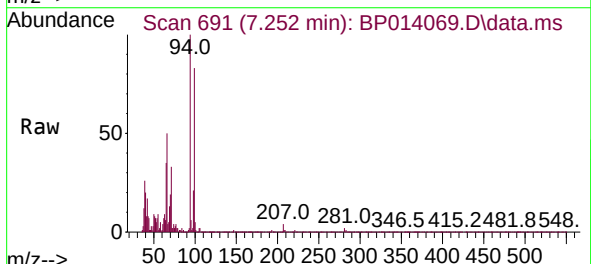
Manual Integrations
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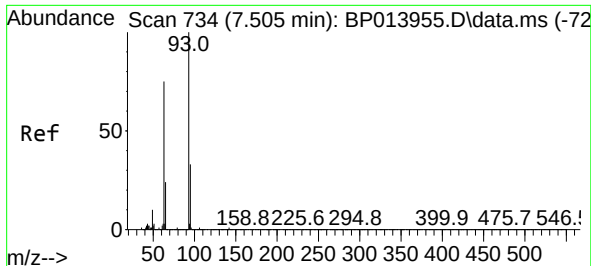
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#10
Phenol
Concen: 3.758 ng
RT: 7.252 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 94 Resp: 46010
Ion Ratio Lower Upper
94 100
65 35.4 10.9 50.9
66 50.3 26.1 66.1





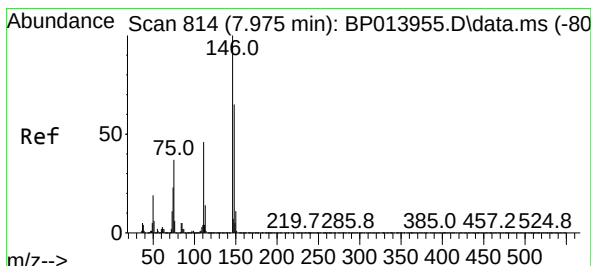
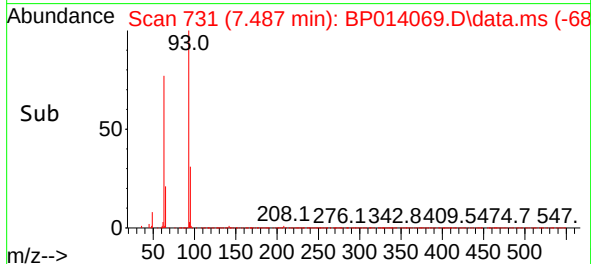
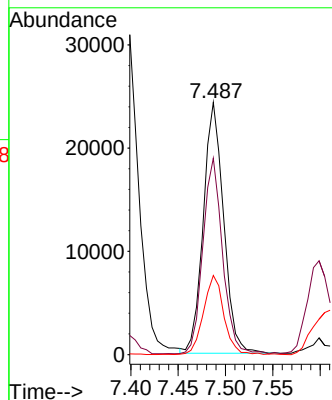
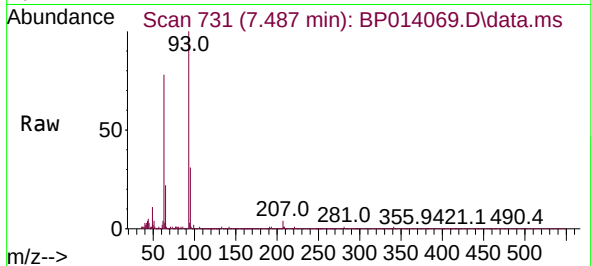
#11
bis(2-Chloroethyl)ether
Concen: 3.746 ng
RT: 7.487 min Scan# 734
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 93	Resp: 36319
Ion Ratio	Lower Upper
93 100	
63 77.8	54.2 94.2
95 31.4	12.7 52.7

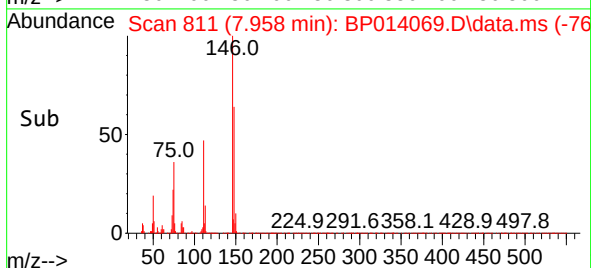
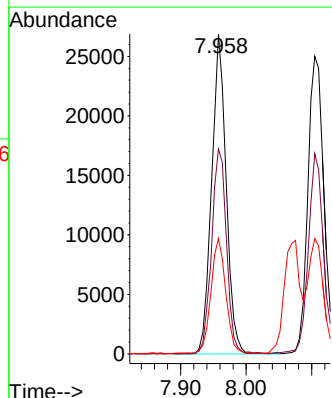
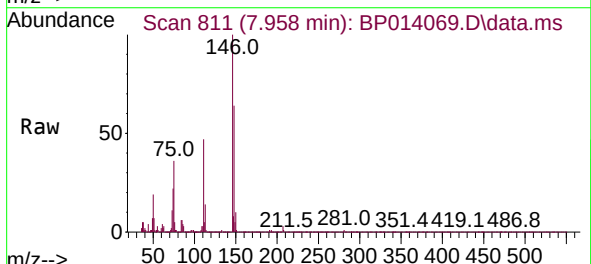
Manual Integrations
APPROVED

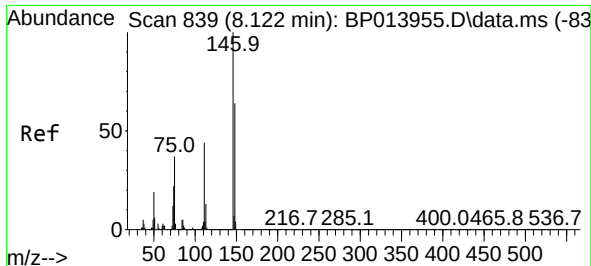
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#12
1,3-Dichlorobenzene
Concen: 3.925 ng
RT: 7.958 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:146	Resp: 41392
Ion Ratio	Lower Upper
146 100	
148 64.0	52.1 78.1
75 36.1	29.4 44.0





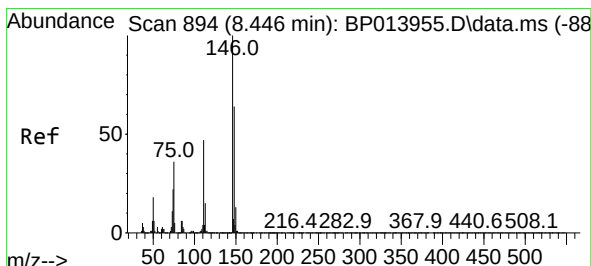
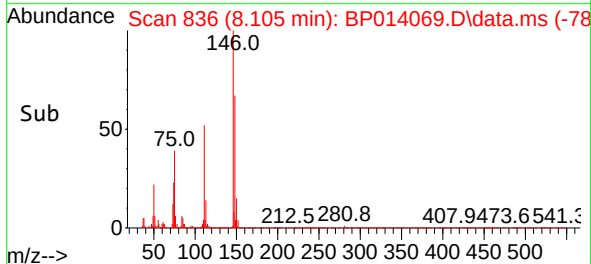
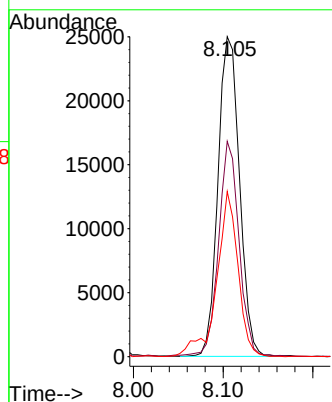
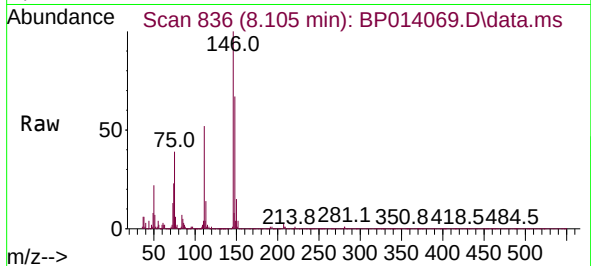
#13
1,4-Dichlorobenzene
Concen: 3.924 ng
RT: 8.105 min Scan# 839
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:146 Resp: 41876
Ion Ratio Lower Upper
146 100
148 67.3 51.4 77.2
111 51.6 35.1 52.7

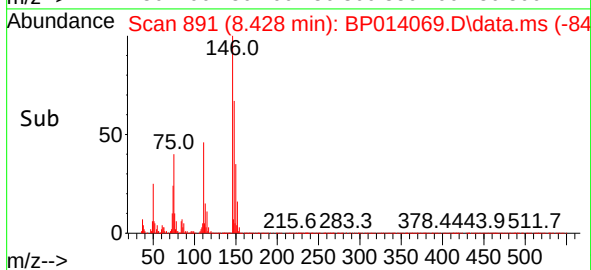
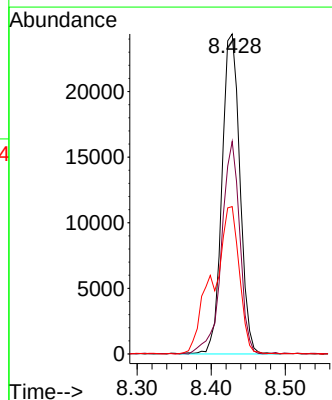
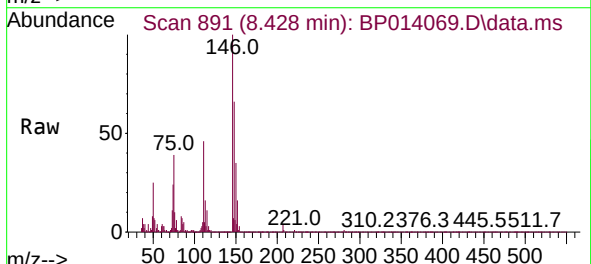
Manual Integrations
APPROVED

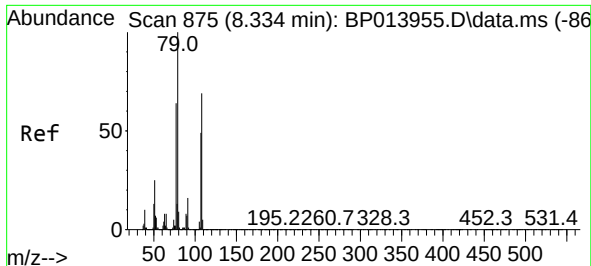
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#14
1,2-Dichlorobenzene
Concen: 3.995 ng
RT: 8.428 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

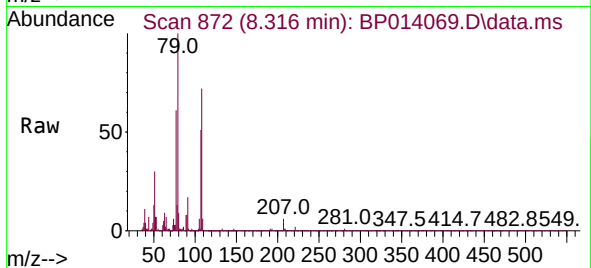
Tgt Ion:146 Resp: 40823
Ion Ratio Lower Upper
146 100
148 66.4 51.4 77.0
111 46.0 37.2 55.8





#15
Benzyl Alcohol
Concen: 3.180 ng
RT: 8.316 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

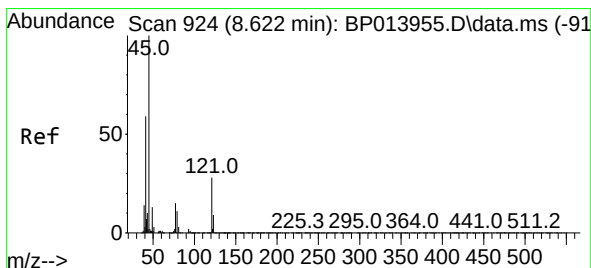
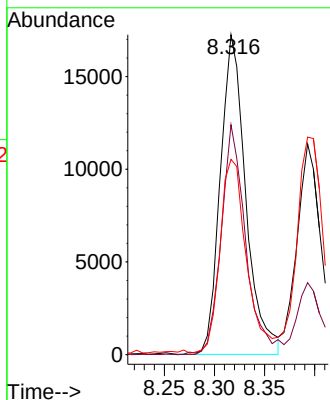
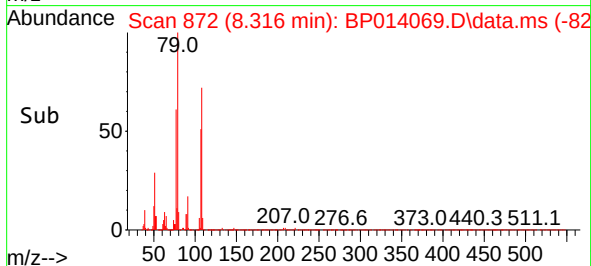
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



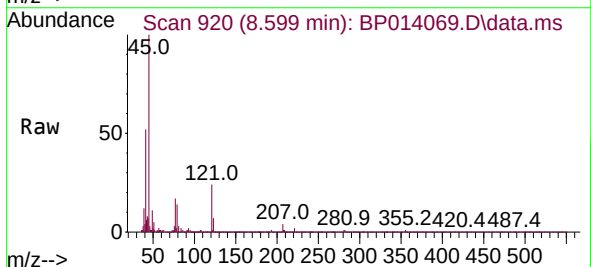
Tgt Ion: 79 Resp: 30499
Ion Ratio Lower Upper
79 100
108 71.8 54.9 82.3
77 61.0 51.4 77.0

Manual Integrations
APPROVED

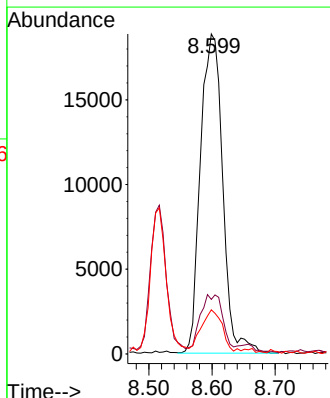
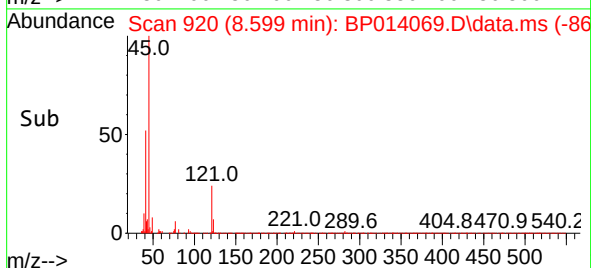
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

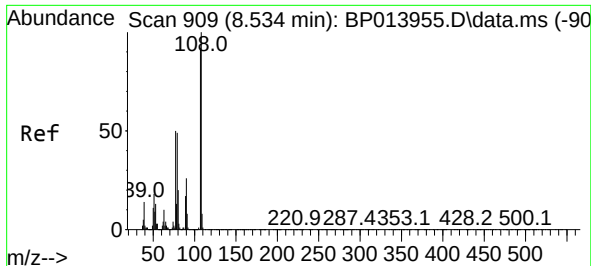


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.376 ng
RT: 8.599 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33



Tgt Ion: 45 Resp: 46181
Ion Ratio Lower Upper
45 100
77 17.0 0.0 38.7
79 13.8 0.0 34.4





#17

2-Methylphenol

Concen: 3.163 ng

RT: 8.516 min Scan# 90

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:107 Resp: 27618

Ion Ratio Lower Upper

107 100

108 110.7 87.0 130.4

77 51.0 44.0 66.0

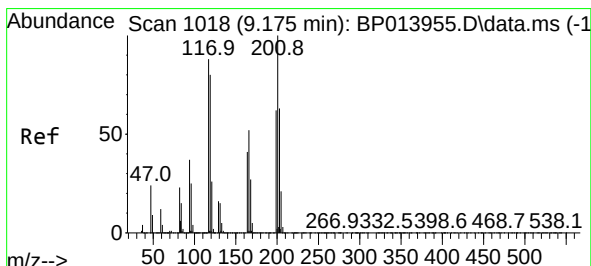
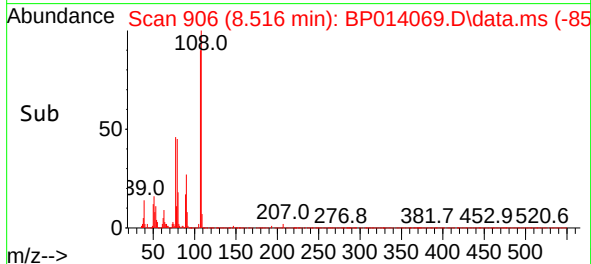
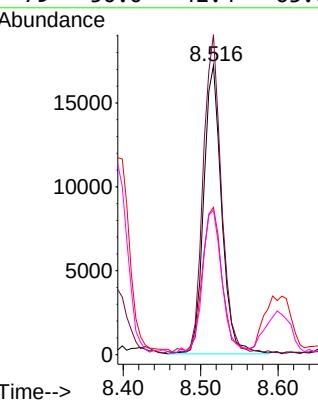
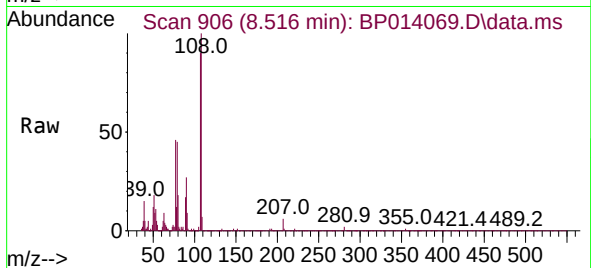
79 50.0 42.4 63.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#18

Hexachloroethane

Concen: 3.697 ng

RT: 9.158 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

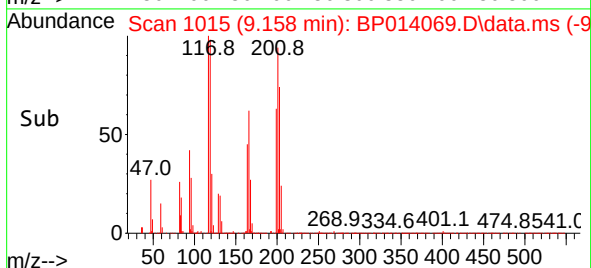
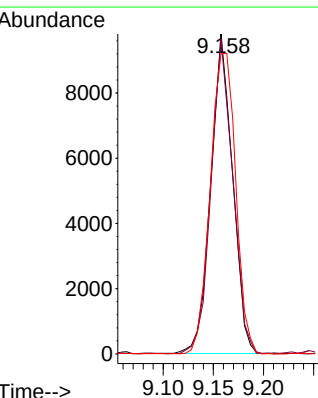
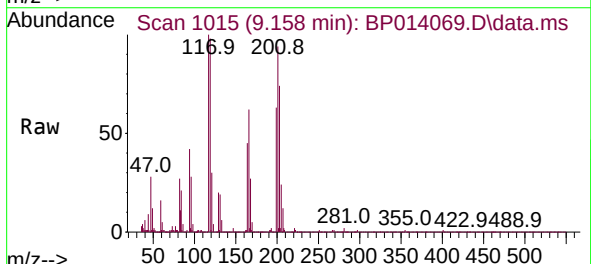
Tgt Ion:117 Resp: 14819

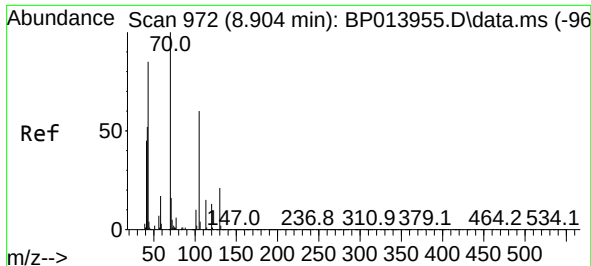
Ion Ratio Lower Upper

117 100

119 98.4 73.3 109.9

201 95.9 91.1 136.7





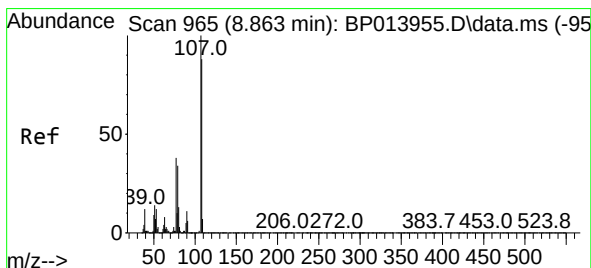
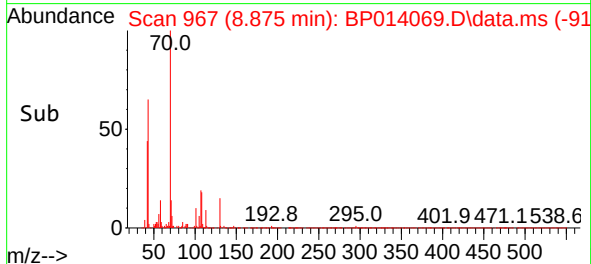
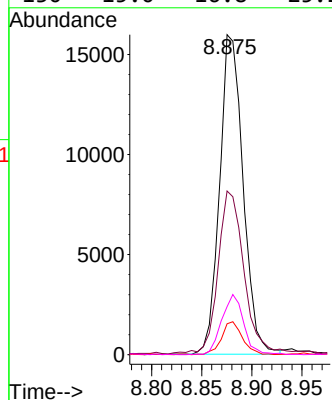
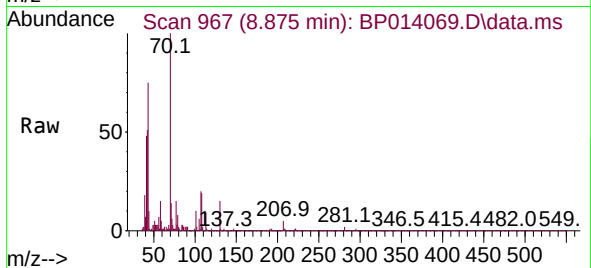
#19
n-Nitroso-di-n-propylamine
Concen: 3.370 ng
RT: 8.875 min Scan# 90
Delta R.T. -0.017 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 70	Resp: 2609
Ion Ratio	Lower Upper
70 100	
42 51.1	42.4 63.6
101 9.6	8.2 12.4
130 15.0	16.8 25.2

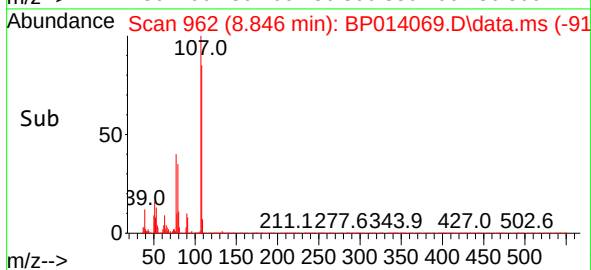
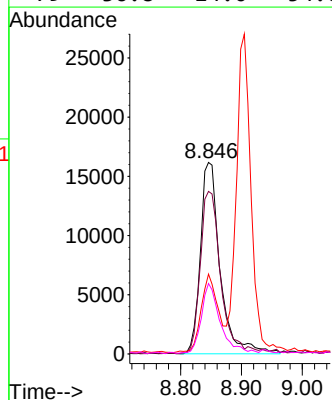
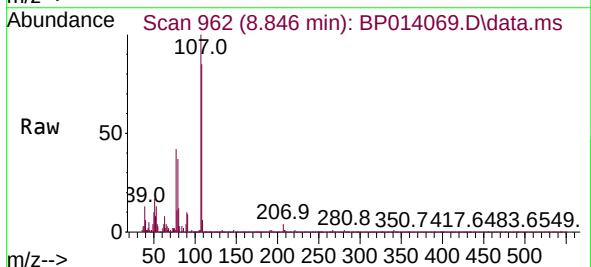
Manual Integrations
APPROVED

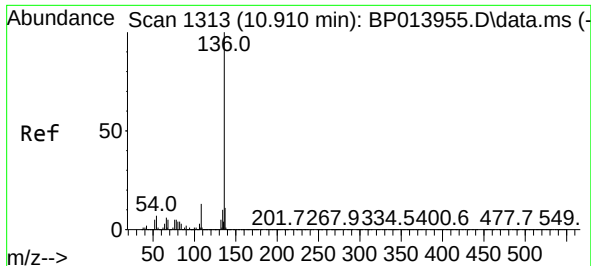
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#20
3+4-Methylphenols
Concen: 3.099 ng
RT: 8.846 min Scan# 962
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

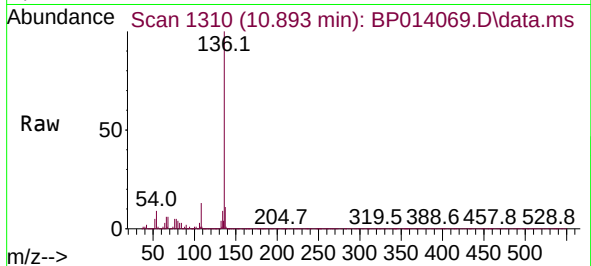
Tgt Ion: 107	Resp: 36445
Ion Ratio	Lower Upper
107 100	
108 84.9	68.2 108.2
77 41.7	18.1 58.1
79 36.8	14.0 54.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.893 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

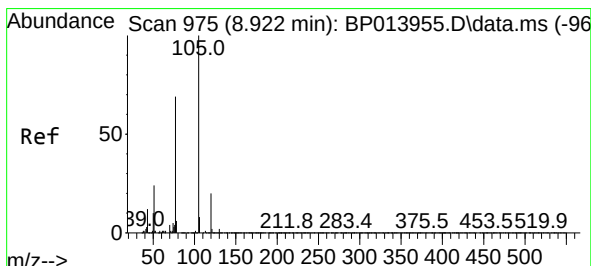
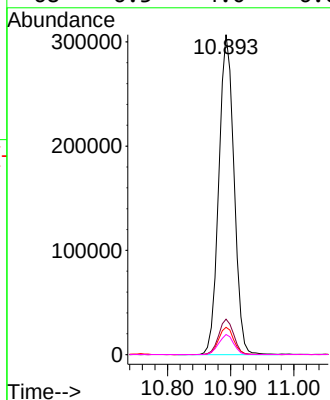
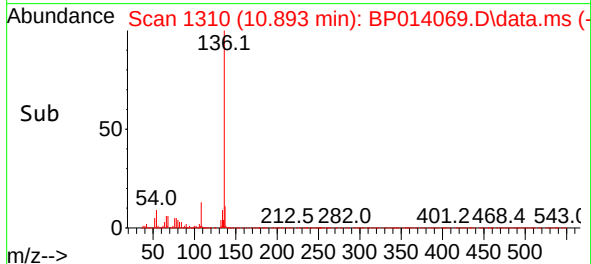
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:136 Resp: 512525
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.5 5.8 8.8
68 6.3 4.0 6.0#

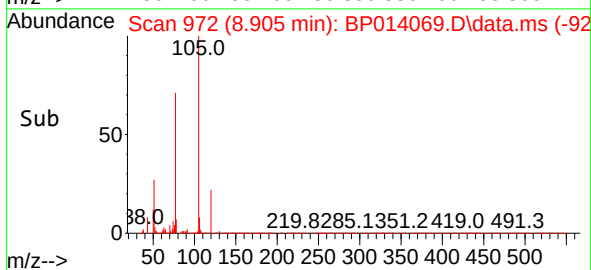
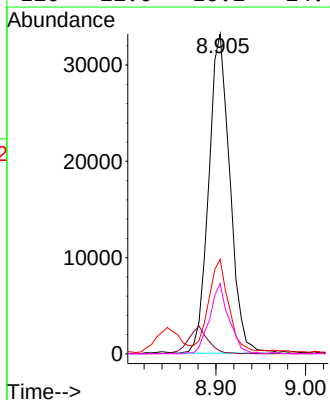
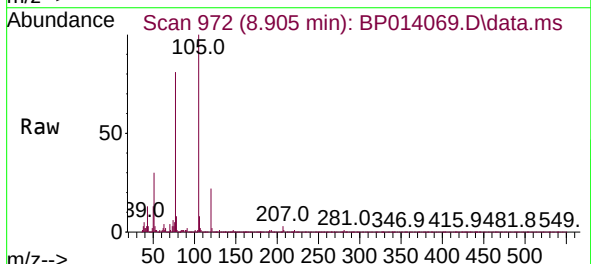
Manual Integrations
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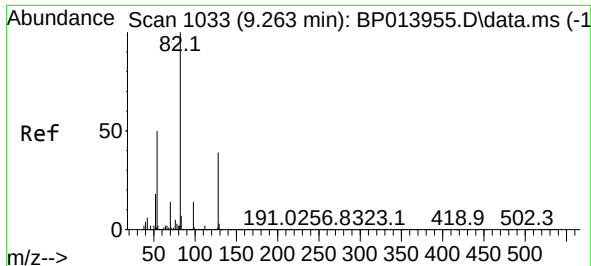
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#22
Acetophenone
Concen: 3.786 ng
RT: 8.905 min Scan# 972
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:105 Resp: 54428
Ion Ratio Lower Upper
105 100
71 0.9 1.4 2.0#
51 29.5 21.5 32.3
120 22.0 16.2 24.4





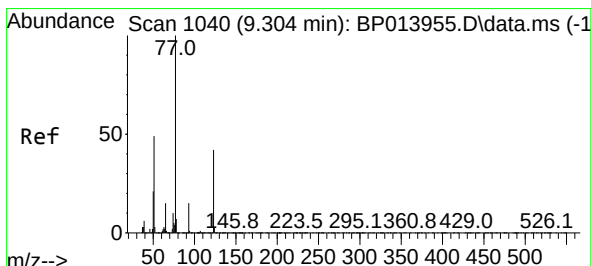
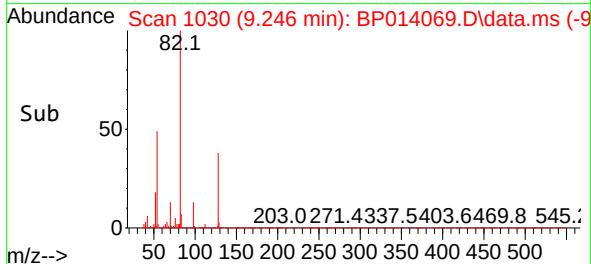
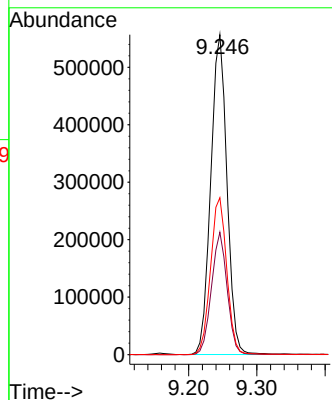
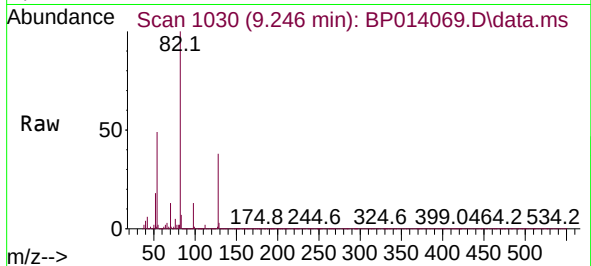
#23
Nitrobenzene-d5
Concen: 81.874 ng
RT: 9.246 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 91810
Ion Ratio Lower Upper
82 100
128 38.2 31.1 46.7
54 49.0 40.0 60.0

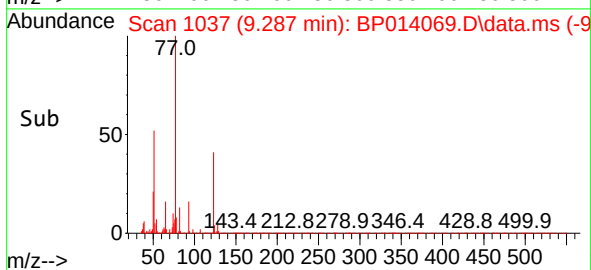
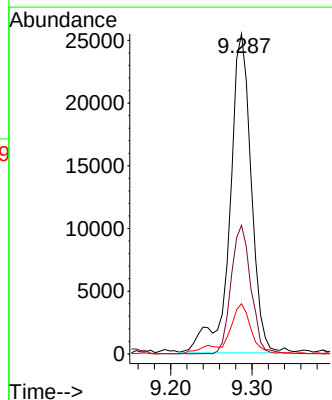
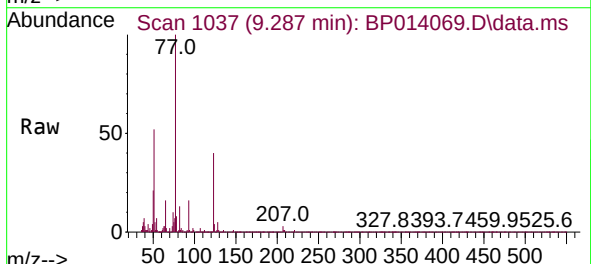
Manual Integrations
APPROVED

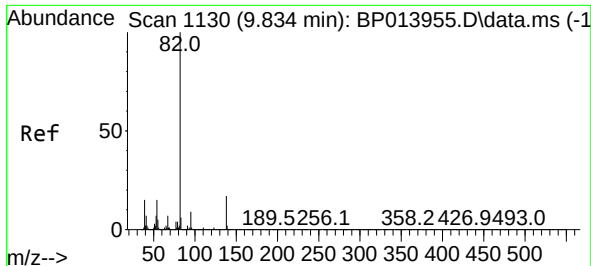
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#24
Nitrobenzene
Concen: 4.054 ng m
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 77 Resp: 46520
Ion Ratio Lower Upper
77 100
123 40.2 33.6 50.4
65 15.7 11.6 17.4





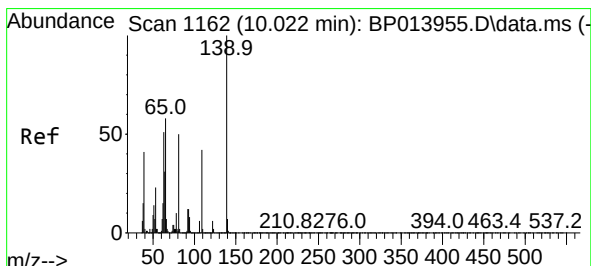
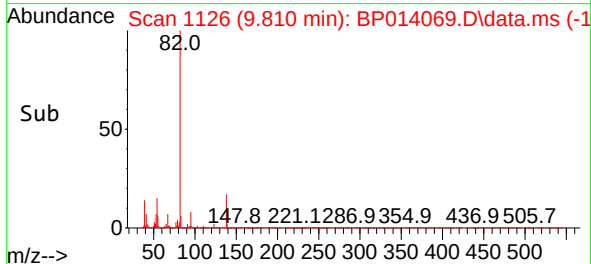
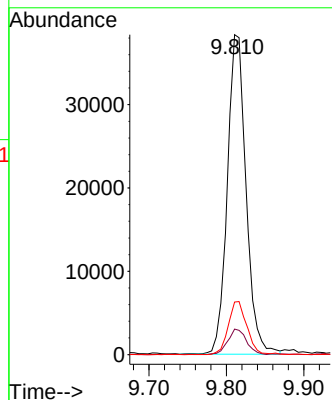
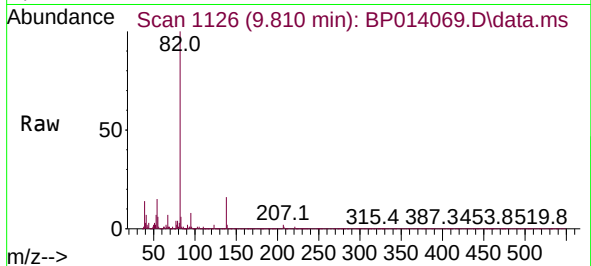
#25
Isophorone
Concen: 3.130 ng
RT: 9.810 min Scan# 1115
Delta R.T. -0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 82 Resp: 6466
Ion Ratio Lower Upper
82 100
95 8.0 6.9 10.3
138 16.4 13.3 19.9

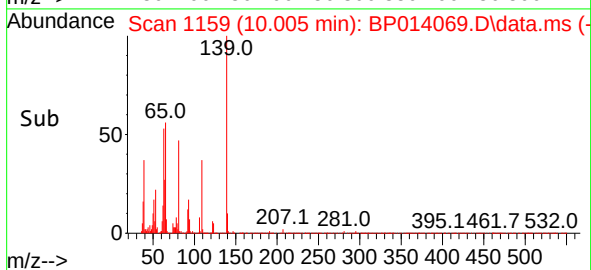
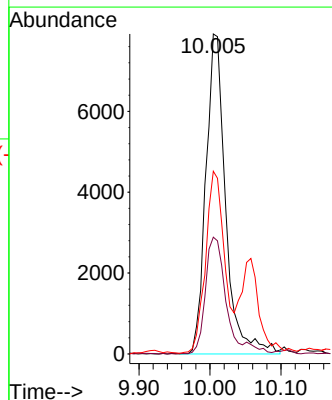
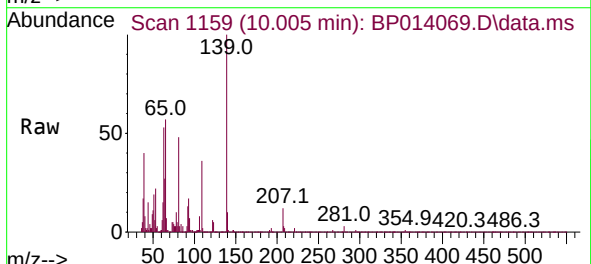
Manual Integrations
APPROVED

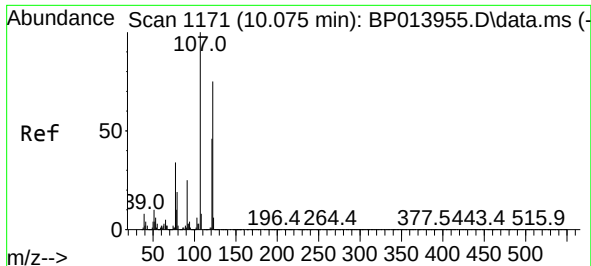
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#26
2-Nitrophenol
Concen: 3.056 ng
RT: 10.005 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

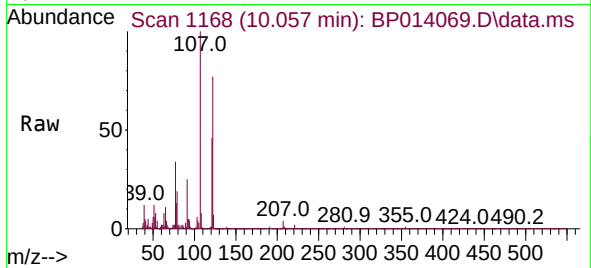
Tgt Ion:139 Resp: 15254
Ion Ratio Lower Upper
139 100
109 36.5 33.8 50.8
65 57.1 46.6 70.0





#27
2,4-Dimethylphenol
Concen: 3.525 ng
RT: 10.057 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

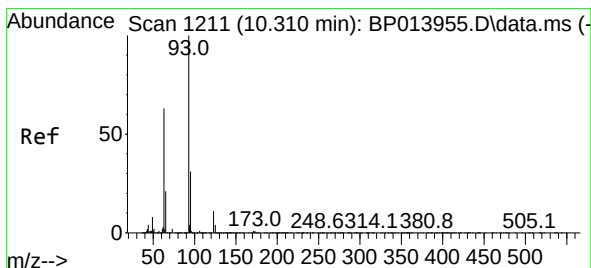
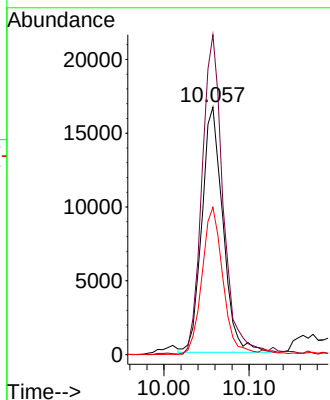
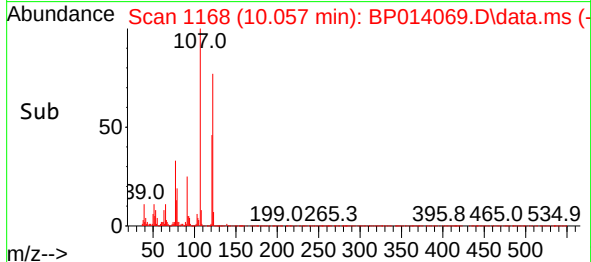
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 122 Resp: 28603
Ion Ratio Lower Upper
122 100
107 129.3 105.9 158.9
121 59.5 49.0 73.4

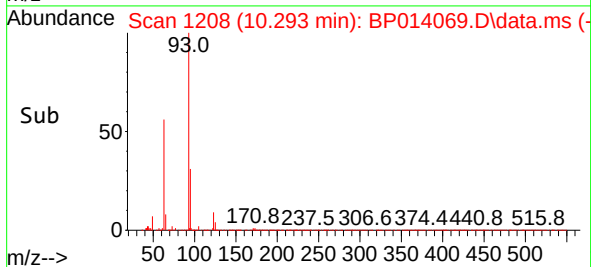
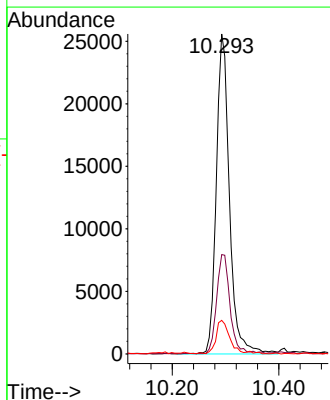
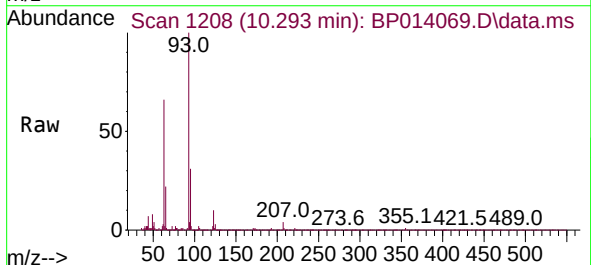
Manual Integrations
APPROVED

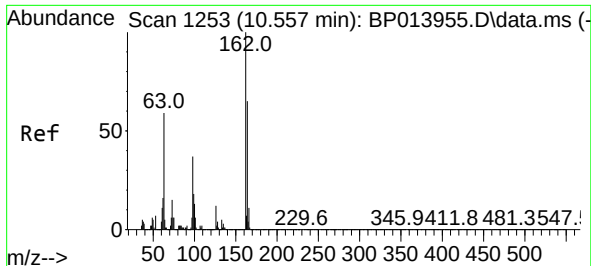
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#28
bis(2-Chloroethoxy)methane
Concen: 3.663 ng
RT: 10.293 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 93 Resp: 43804
Ion Ratio Lower Upper
93 100
95 31.0 25.0 37.6
123 10.5 8.6 12.8





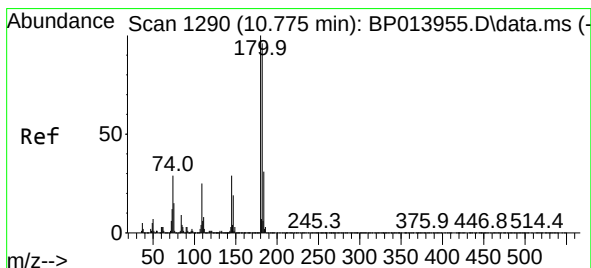
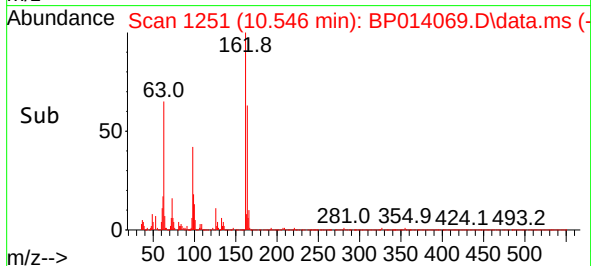
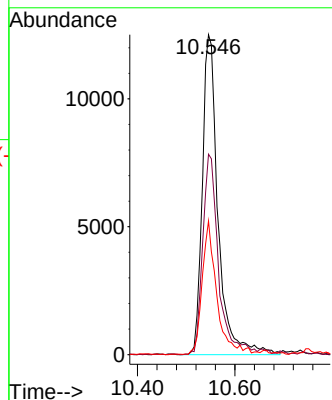
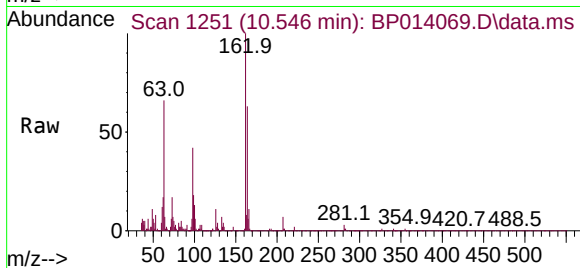
#29
2,4-Dichlorophenol
Concen: 3.158 ng
RT: 10.546 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:162 Resp: 28050
Ion Ratio Lower Upper
162 100
164 62.6 44.7 84.7
98 41.8 17.0 57.0

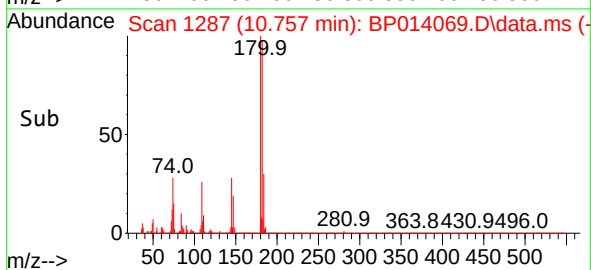
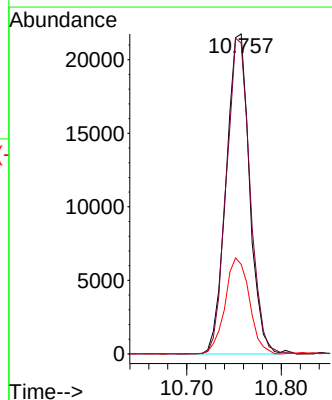
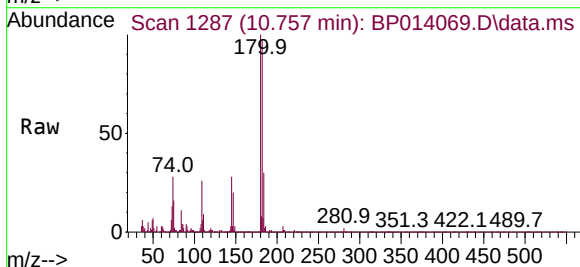
Manual Integrations
APPROVED

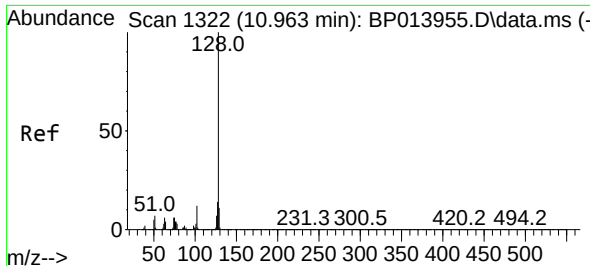
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#30
1,2,4-Trichlorobenzene
Concen: 3.689 ng
RT: 10.757 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:180 Resp: 37206
Ion Ratio Lower Upper
180 100
182 97.1 76.6 114.8
145 28.0 23.5 35.3





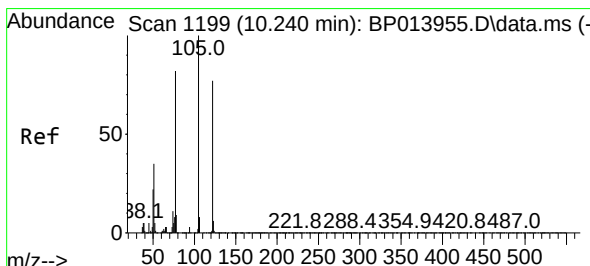
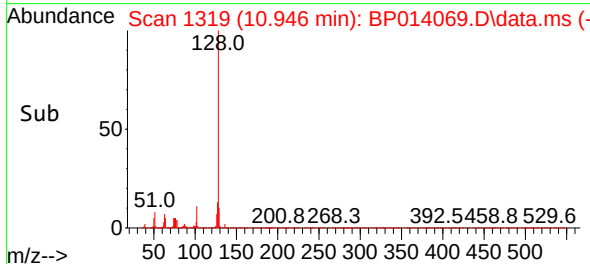
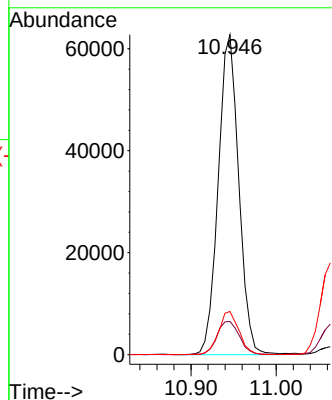
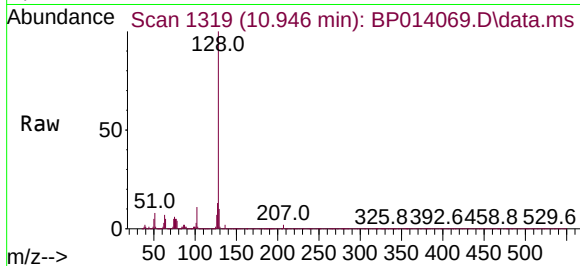
#31
Naphthalene
Concen: 3.723 ng
RT: 10.946 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:128 Resp: 104858
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.5 11.2 16.8

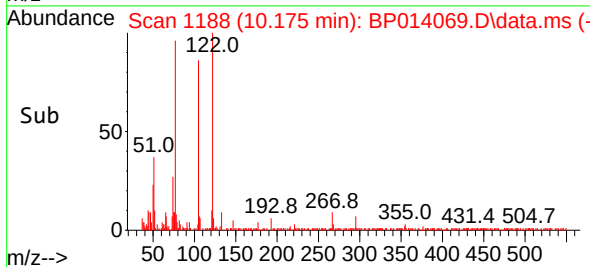
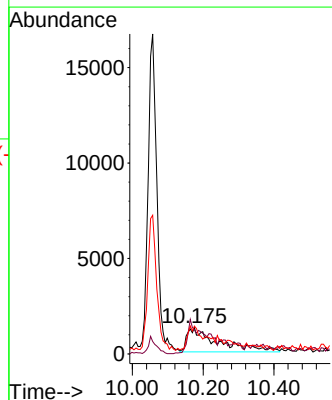
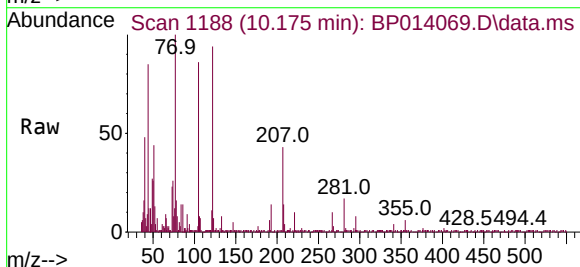
Manual Integrations
APPROVED

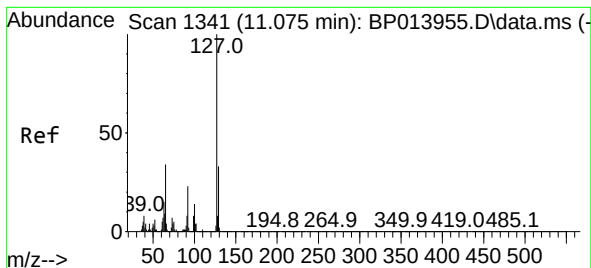
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#32
Benzoic acid
Concen: 3.776 ng m
RT: 10.175 min Scan# 1188
Delta R.T. -0.035 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:122 Resp: 7658
Ion Ratio Lower Upper
122 100
105 90.8 108.2 148.2#
77 105.9 85.2 125.2





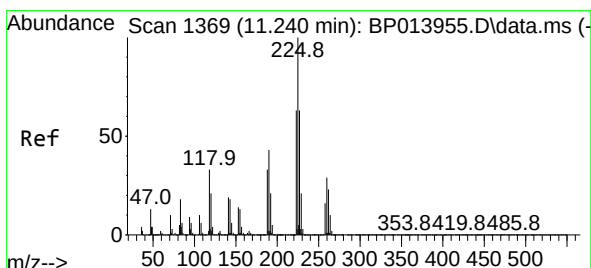
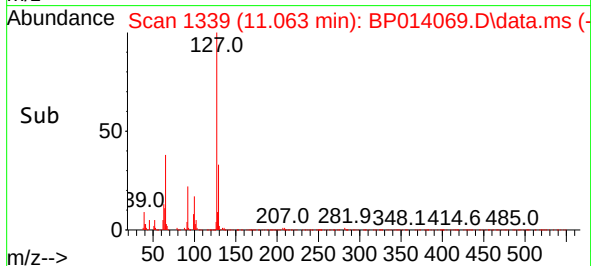
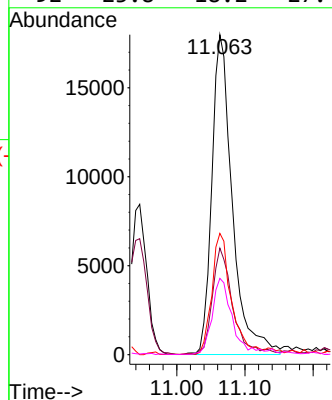
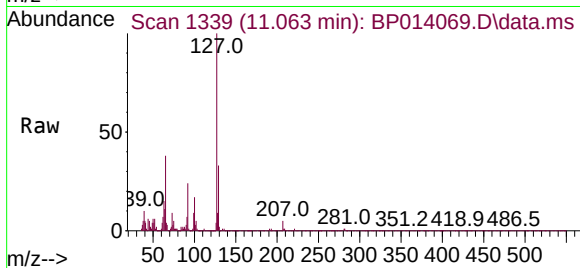
#33
4-Chloroaniline
Concen: 3.113 ng
RT: 11.063 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.2	39.2
65	37.9	27.0	40.4
92	23.8	18.2	27.4

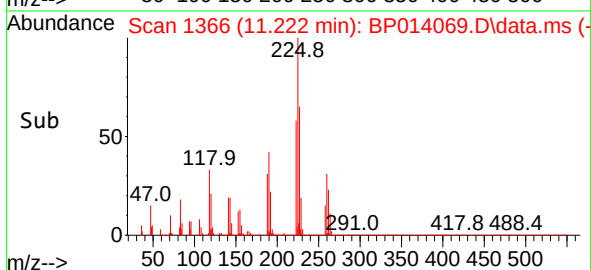
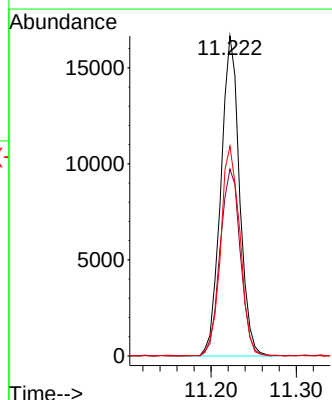
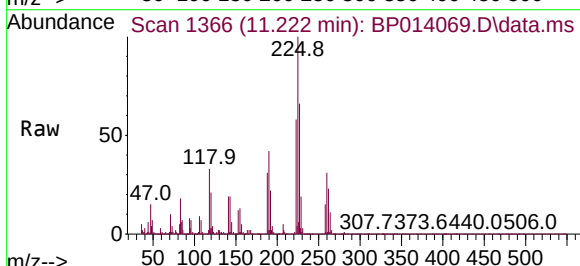
Manual Integrations
APPROVED

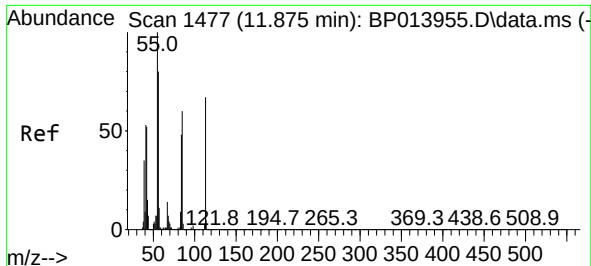
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#34
Hexachlorobutadiene
Concen: 3.460 ng
RT: 11.222 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

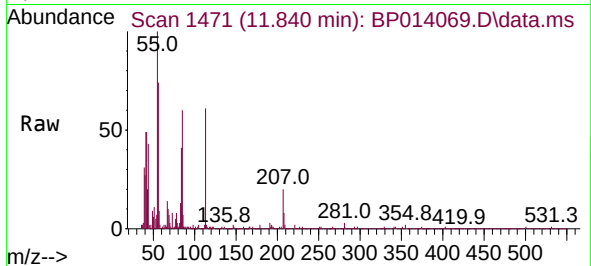
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.4	50.6	76.0
227	65.5	50.2	75.4





#35
Caprolactam
Concen: 2.429 ng m
RT: 11.840 min Scan# 1477
Delta R.T. -0.017 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

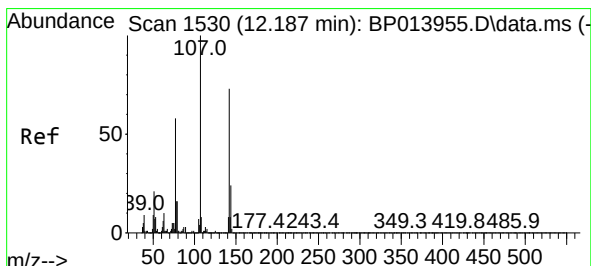
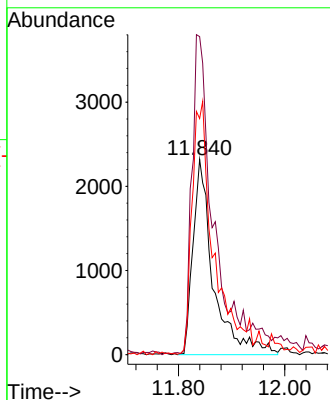
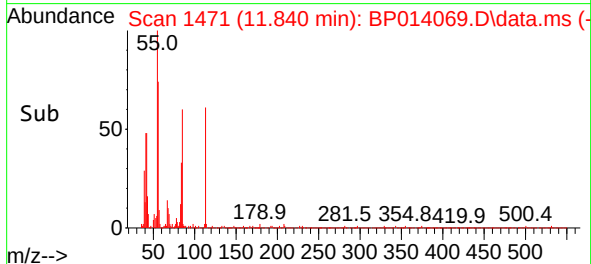
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:113 Resp: 6176
Ion Ratio Lower Upper
113 100
55 162.8 128.9 168.9
56 120.9 99.6 139.6

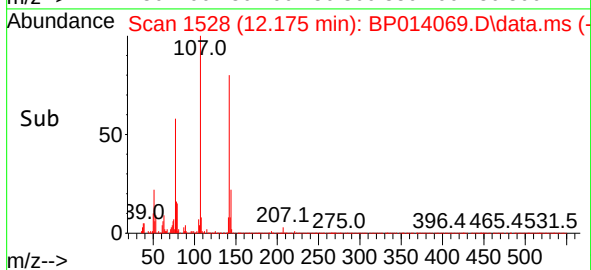
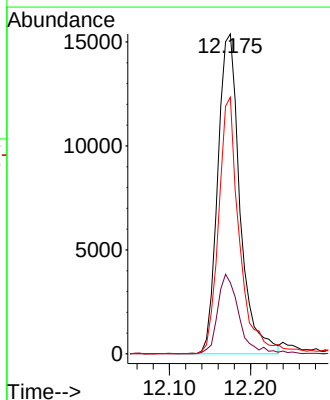
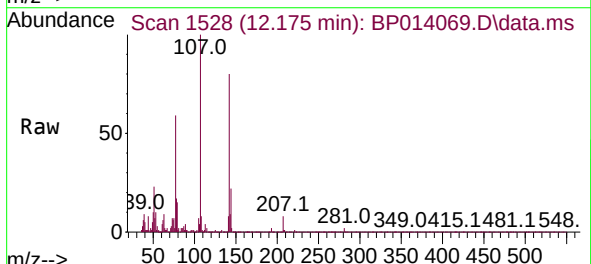
Manual Integrations
APPROVED

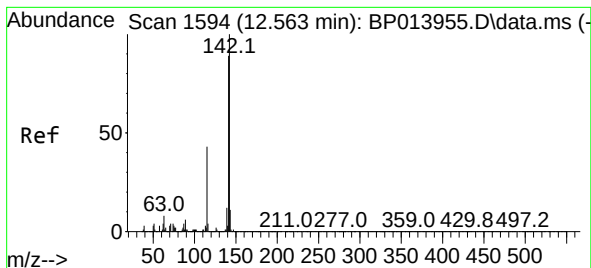
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#36
4-Chloro-3-methylphenol
Concen: 2.949 ng
RT: 12.175 min Scan# 1528
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:107 Resp: 29218
Ion Ratio Lower Upper
107 100
144 22.2 19.3 28.9
142 80.2 58.5 87.7





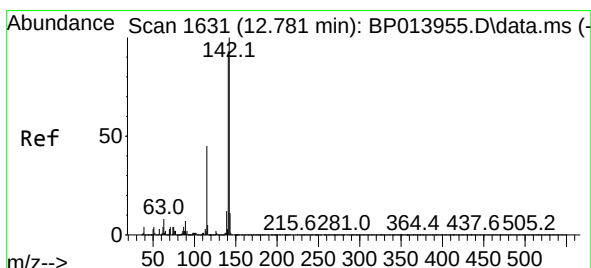
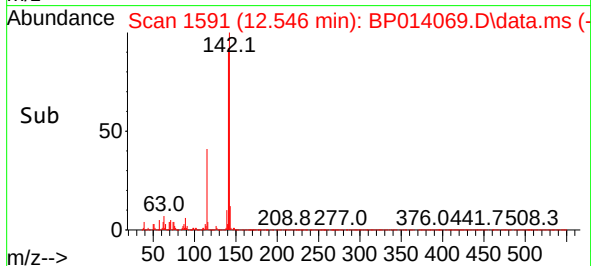
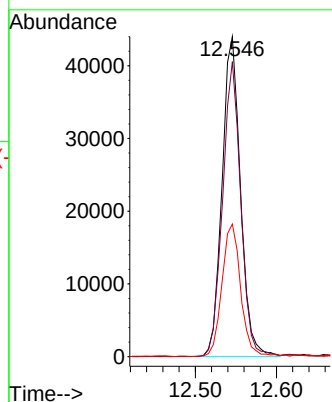
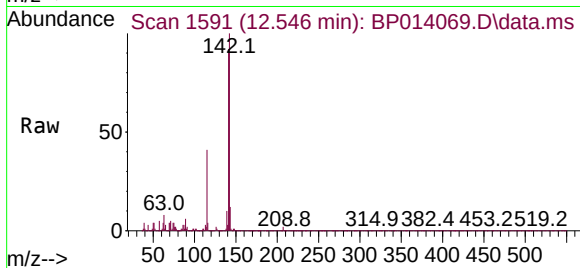
#37
2-Methylnaphthalene
Concen: 3.331 ng
RT: 12.546 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:142 Resp: 69209
Ion Ratio Lower Upper
142 100
141 92.2 71.0 106.4
115 41.4 34.5 51.7

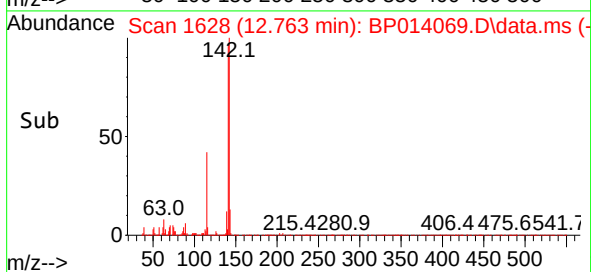
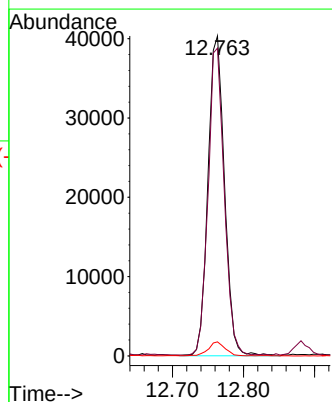
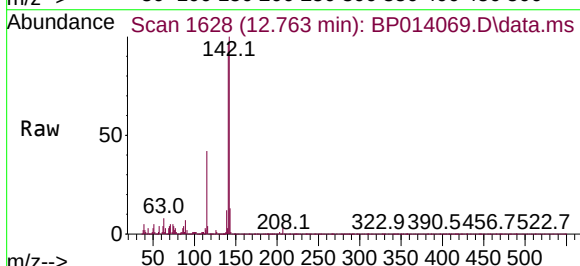
Manual Integrations
APPROVED

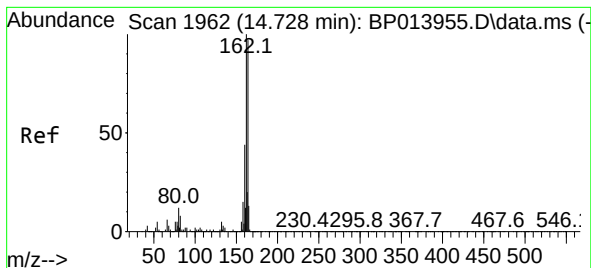
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#38
1-Methylnaphthalene
Concen: 3.354 ng
RT: 12.763 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:142 Resp: 64950
Ion Ratio Lower Upper
142 100
141 96.2 74.4 111.6
116 4.4 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.710 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

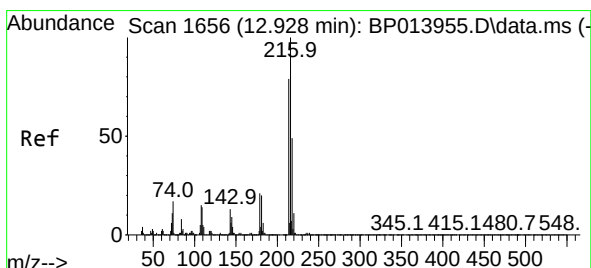
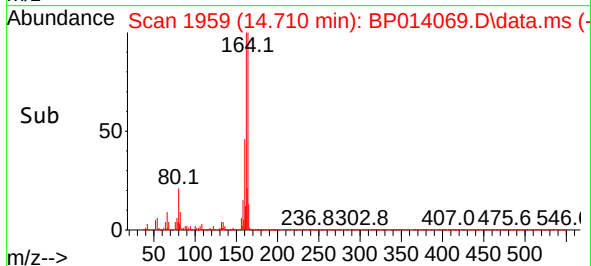
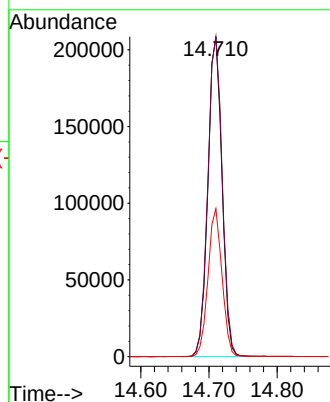
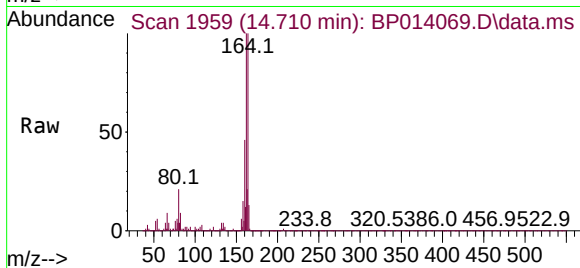
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	164	Resp:	299663
Ion Ratio	Lower	Upper	
164	100		
162	100.1	82.1	123.1
160	46.3	36.2	54.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.720 ng

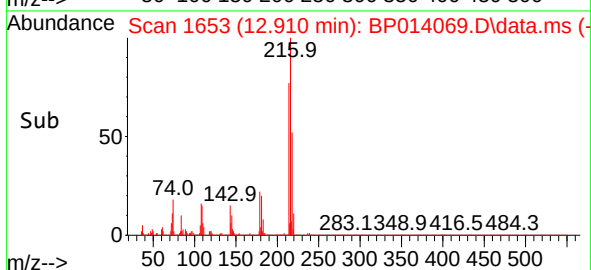
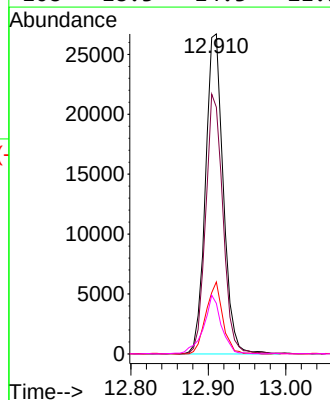
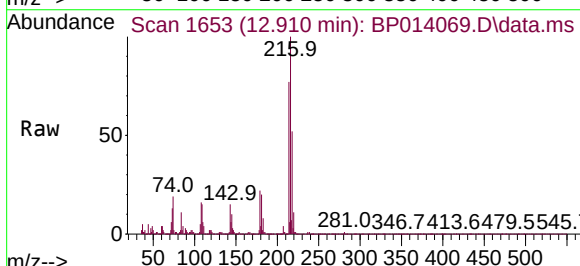
RT: 12.910 min Scan# 1653

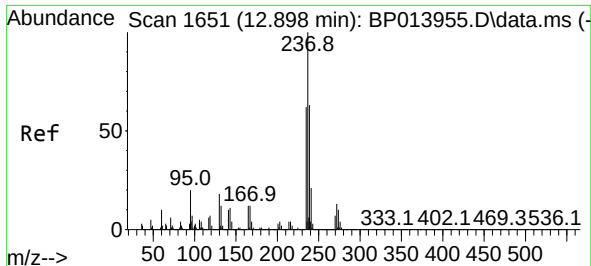
Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:	216	Resp:	42487
Ion Ratio	Lower	Upper	
216	100		
214	79.1	62.2	93.2
179	21.3	16.6	24.8
108	18.3	14.3	21.5





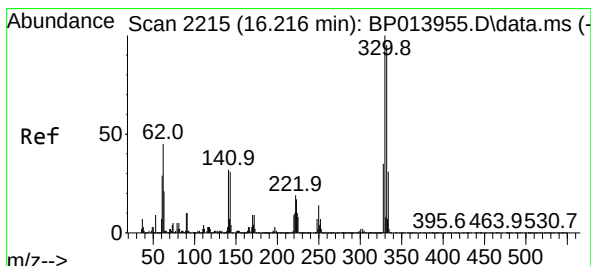
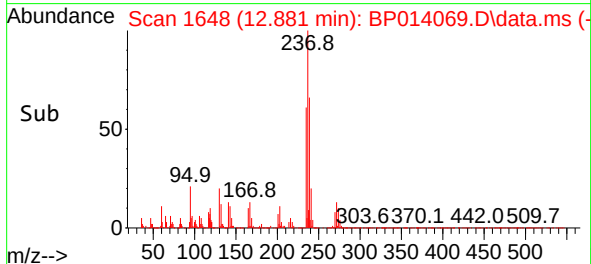
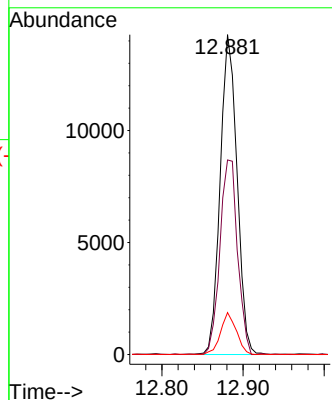
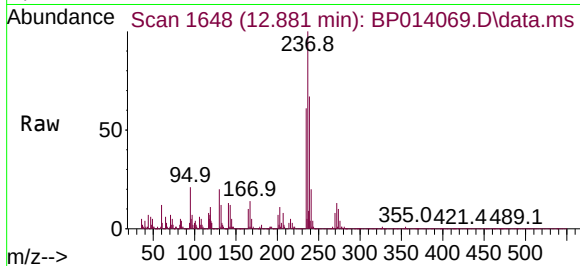
#41
Hexachlorocyclopentadiene
Concen: 2.870 ng
RT: 12.881 min Scan# 1648
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 237 Resp: 2057
Ion Ratio Lower Upper
237 100
235 60.8 41.9 81.9
272 13.1 0.0 32.6

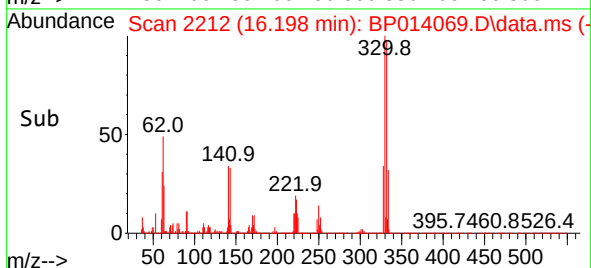
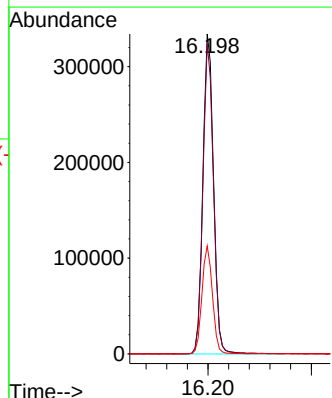
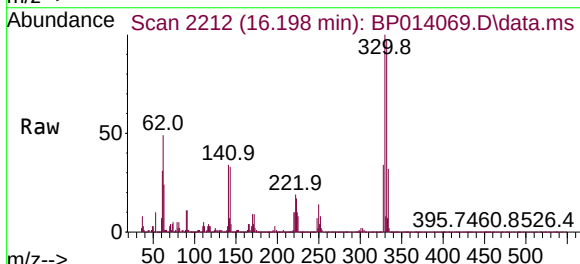
Manual Integrations
APPROVED

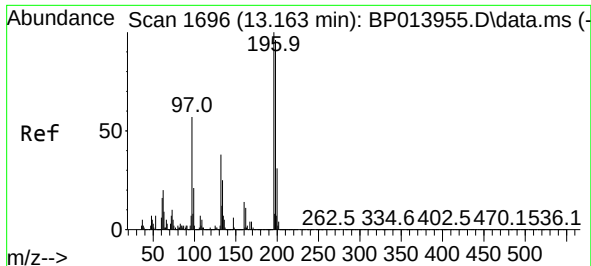
Reviewed By : Christian Giraldo 03/14/2023
Supervised By : Jagrut Upadhyay 03/14/2023



#42
2,4,6-Tribromophenol
Concen: 98.399 ng
RT: 16.198 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

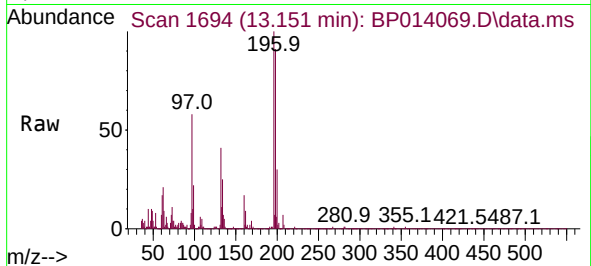
Tgt Ion: 330 Resp: 478079
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 33.2 25.6 38.4





#43
2,4,6-Trichlorophenol
Concen: 3.052 ng
RT: 13.151 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

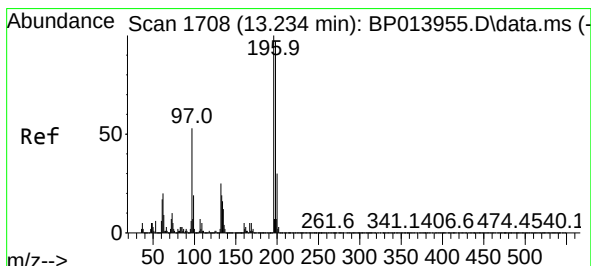
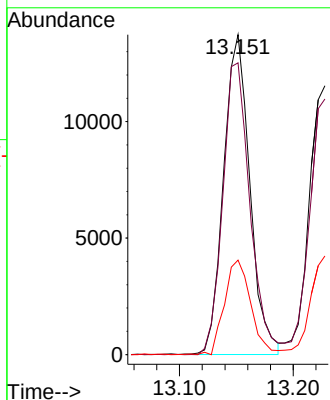
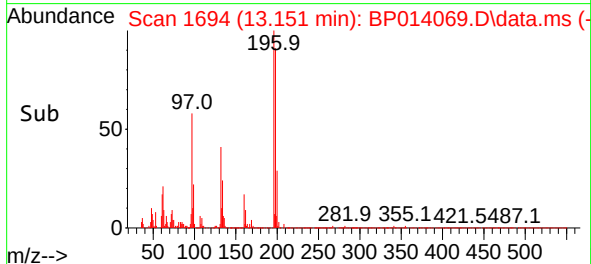
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



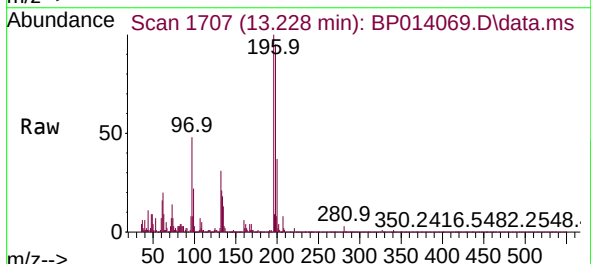
Tgt Ion:196 Resp: 22034
Ion Ratio Lower Upper
196 100
198 91.2 76.7 115.1
200 29.5 25.2 37.8

Manual Integrations
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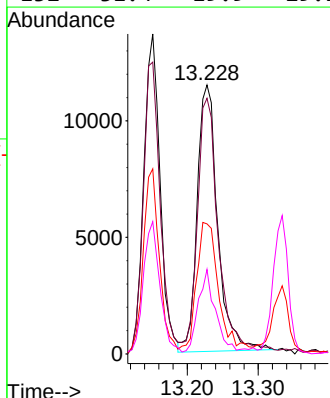
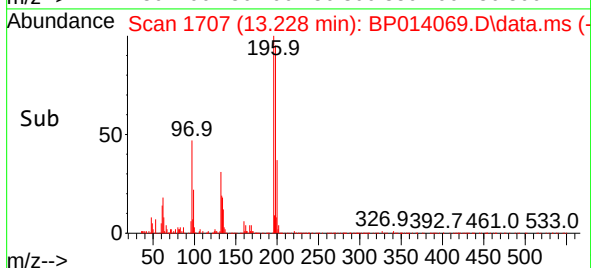
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

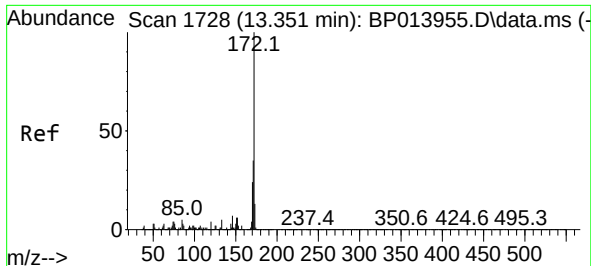


#44
2,4,5-Trichlorophenol
Concen: 2.737 ng
RT: 13.228 min Scan# 1707
Delta R.T. 0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33



Tgt Ion:196 Resp: 22895
Ion Ratio Lower Upper
196 100
198 95.1 77.5 116.3
97 48.3 42.6 64.0
132 31.4 19.9 29.9#





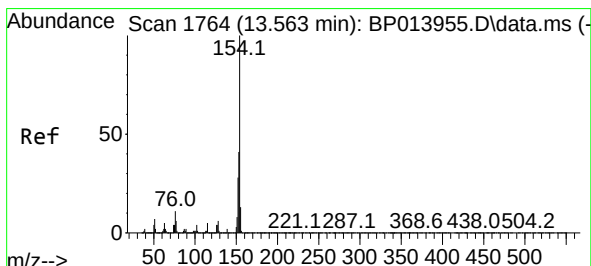
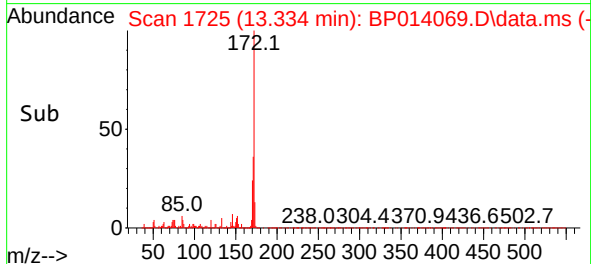
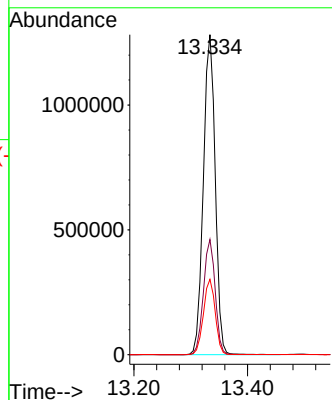
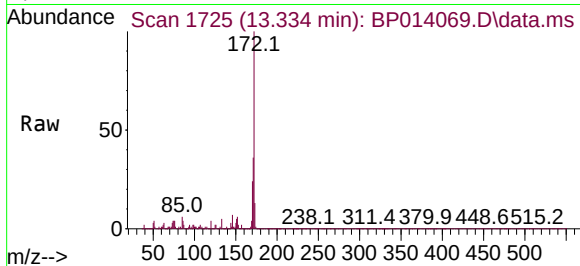
#45
2-Fluorobiphenyl
Concen: 80.385 ng
RT: 13.334 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:172 Resp: 1859275
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.6 19.0 28.4

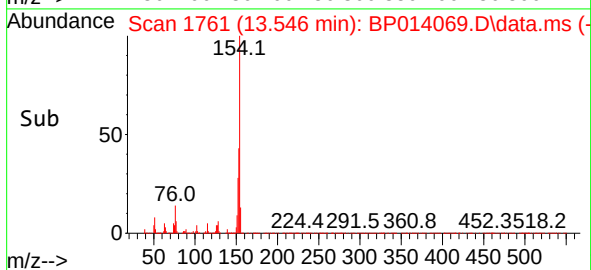
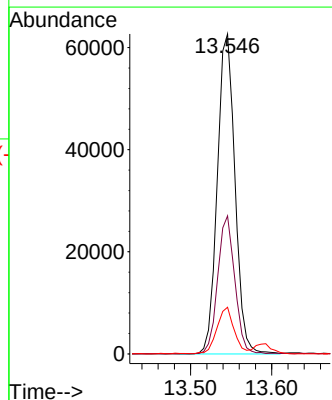
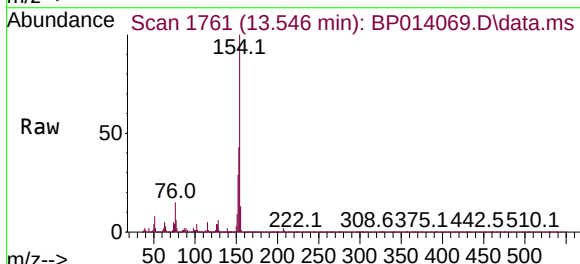
Manual Integrations
APPROVED

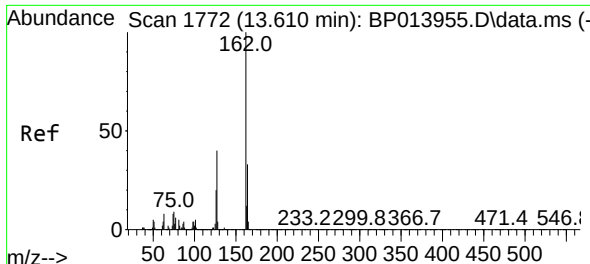
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#46
1,1'-Biphenyl
Concen: 3.925 ng
RT: 13.546 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:154 Resp: 94673
Ion Ratio Lower Upper
154 100
153 43.1 21.0 61.0
76 14.6 0.0 31.0





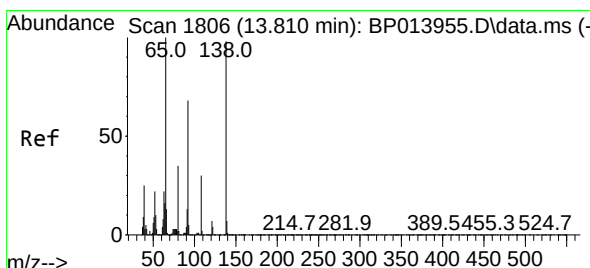
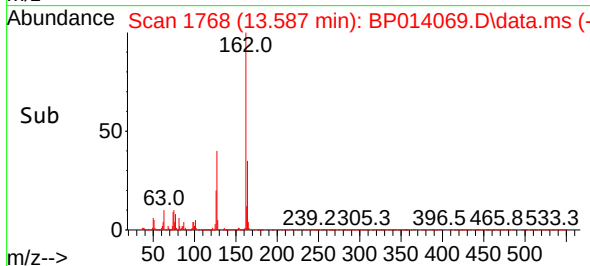
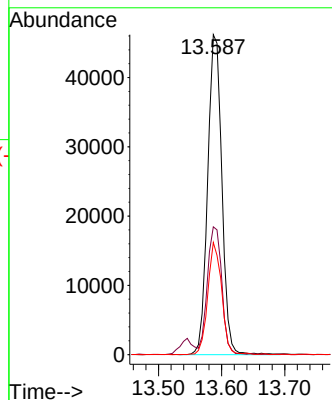
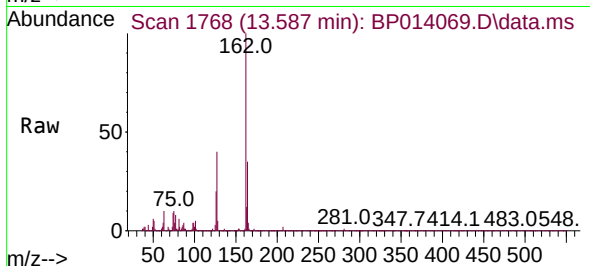
#47
2-Chloronaphthalene
Concen: 3.876 ng
RT: 13.587 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 162 Resp: 71965
Ion Ratio Lower Upper
162 100
127 39.9 32.5 48.7
164 35.0 26.3 39.5

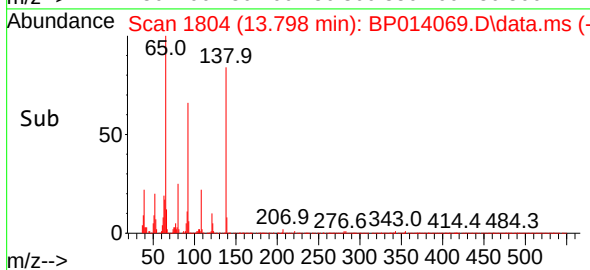
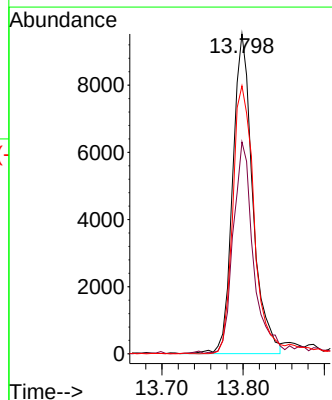
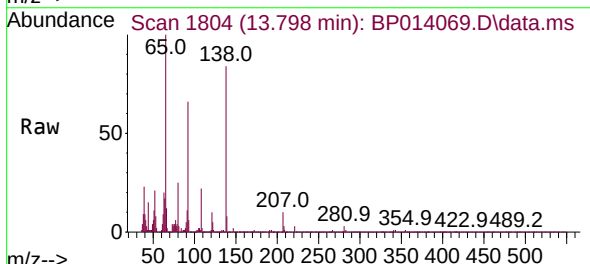
Manual Integrations
APPROVED

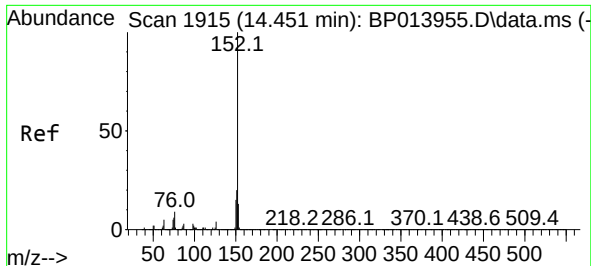
Reviewed By : Christian Giraldo 03/14/2023
Supervised By : Jagrut Upadhyay 03/14/2023



#48
2-Nitroaniline
Concen: 2.893 ng
RT: 13.798 min Scan# 1804
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 65 Resp: 16304
Ion Ratio Lower Upper
65 100
92 66.2 54.4 81.6
138 83.8 78.0 117.0





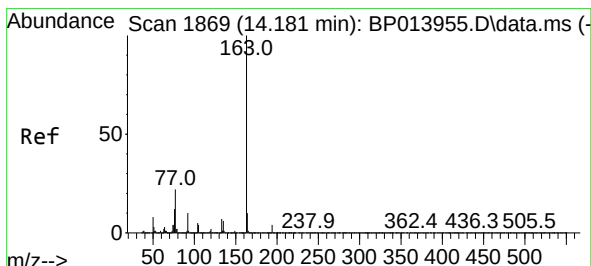
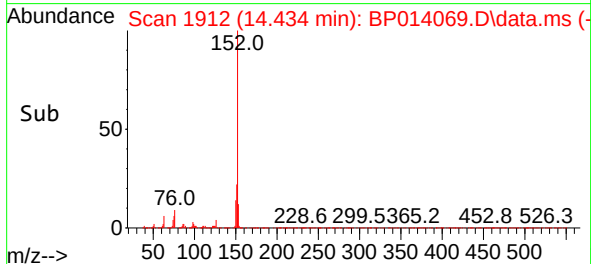
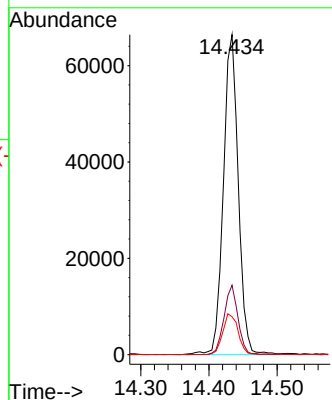
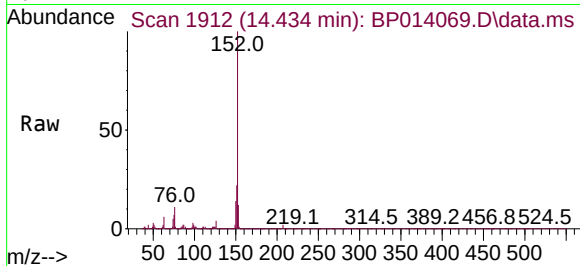
#49
Acenaphthylene
Concen: 3.387 ng
RT: 14.434 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:152 Resp: 100000
Ion Ratio Lower Upper
152 100
151 21.7 16.1 24.1
153 11.8 10.4 15.6

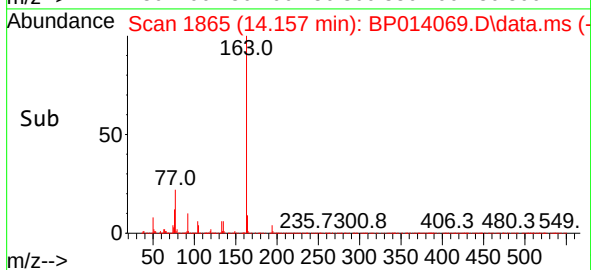
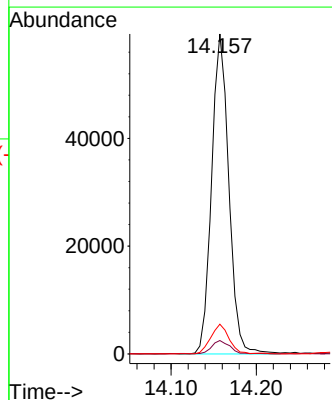
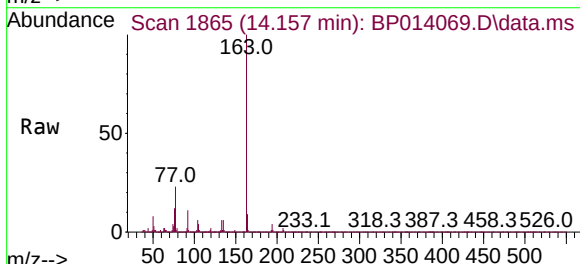
Manual Integrations
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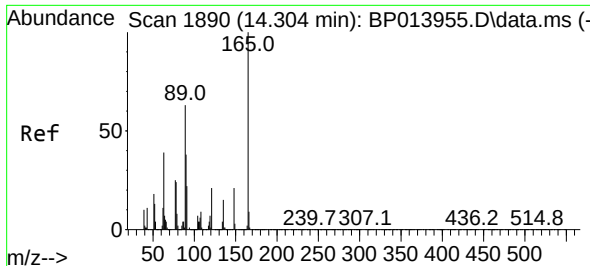
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#50
Dimethylphthalate
Concen: 3.371 ng
RT: 14.157 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:163 Resp: 83331
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.3 8.1 12.1





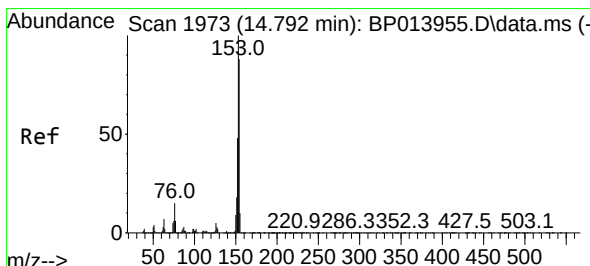
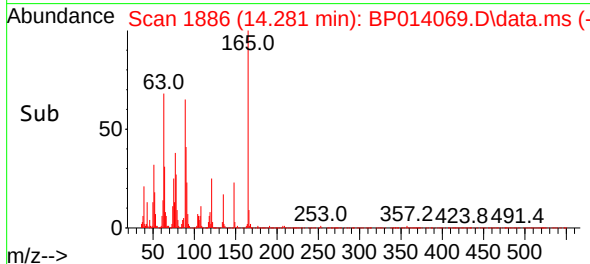
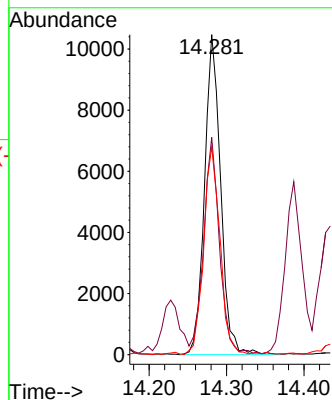
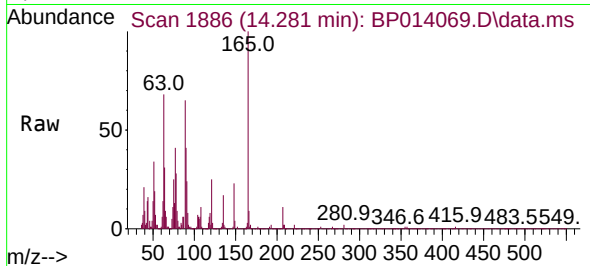
#51
2,6-Dinitrotoluene
Concen: 2.903 ng
RT: 14.281 min Scan# 1890
Delta R.T. -0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:165 Resp: 15112
Ion Ratio Lower Upper
165 100
63 67.9 46.7 70.1
89 64.9 50.8 76.2

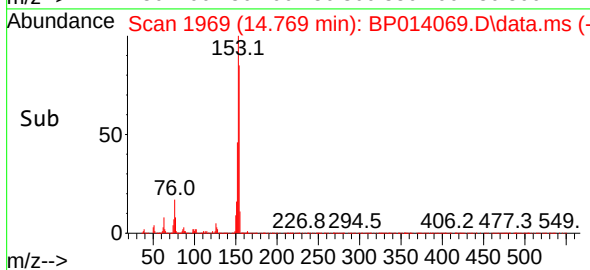
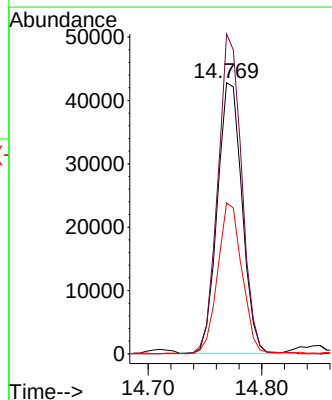
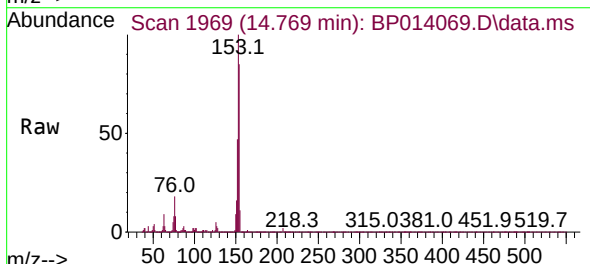
Manual Integrations
APPROVED

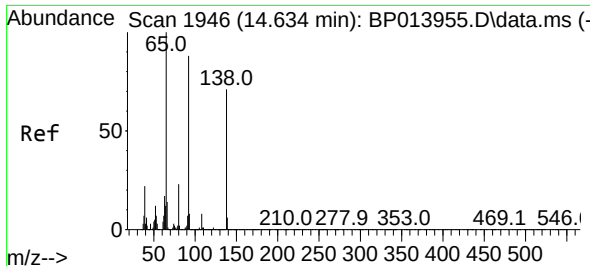
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#52
Acenaphthene
Concen: 3.628 ng
RT: 14.769 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:154 Resp: 64481
Ion Ratio Lower Upper
154 100
153 118.0 91.3 136.9
152 55.7 43.4 65.0





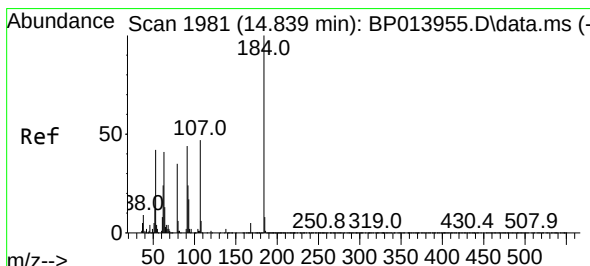
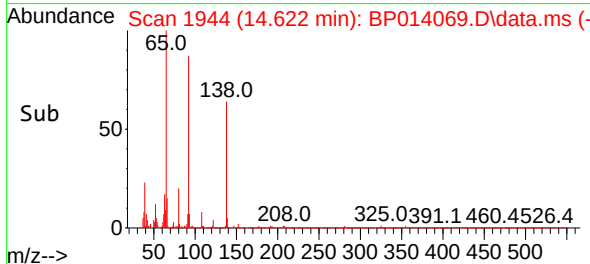
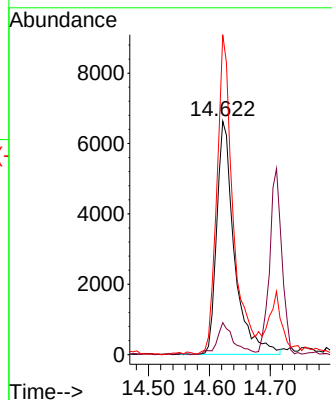
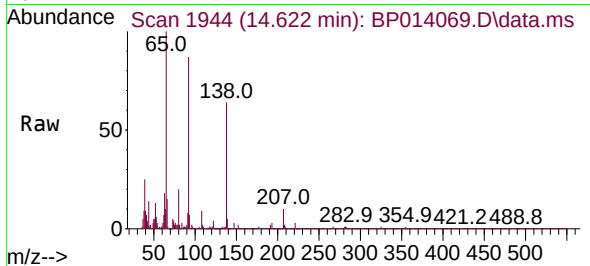
#53
3-Nitroaniline
Concen: 2.616 ng
RT: 14.622 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:138 Resp: 13348
Ion Ratio Lower Upper
138 100
108 13.7 9.5 14.3
92 137.1 99.2 148.8

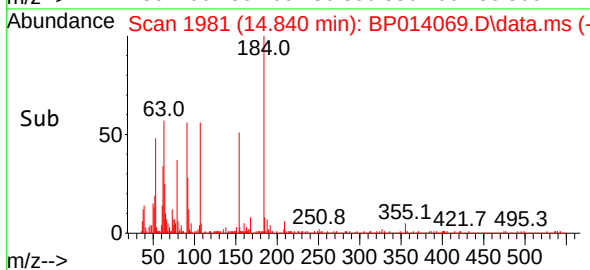
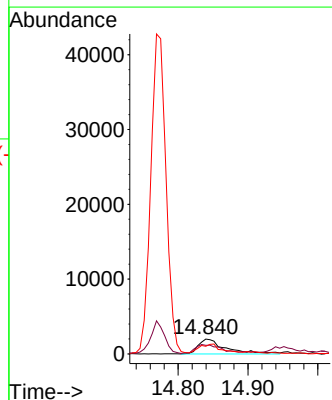
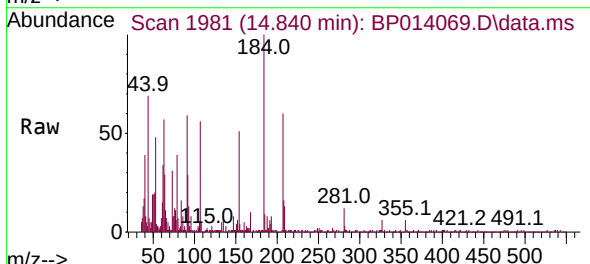
Manual Integrations
APPROVED

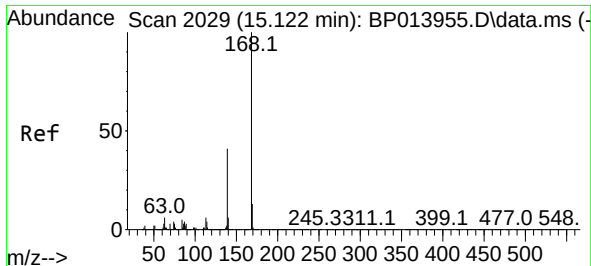
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#54
2,4-Dinitrophenol
Concen: 4.413 ng m
RT: 14.840 min Scan# 1981
Delta R.T. 0.012 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:184 Resp: 5357
Ion Ratio Lower Upper
184 100
63 57.5 52.4 78.6
154 51.5 59.4 89.2#





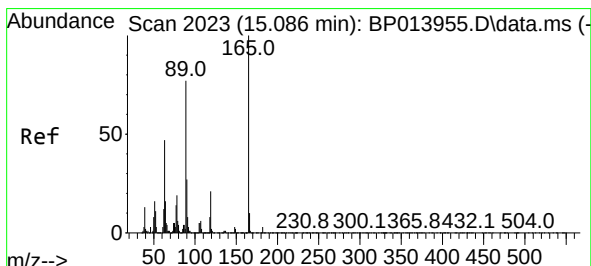
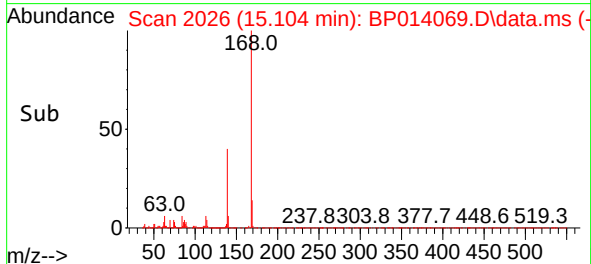
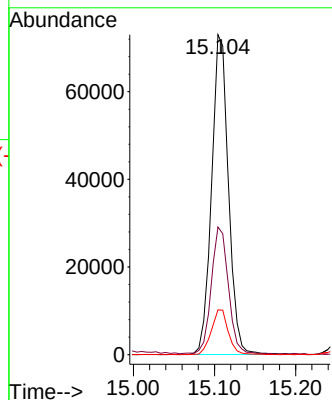
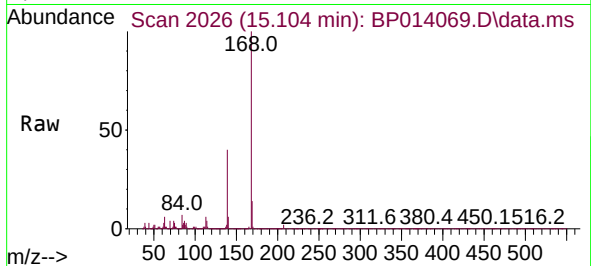
#55
Dibenzenofuran
Concen: 3.638 ng
RT: 15.104 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:168 Resp: 105426
Ion Ratio Lower Upper
168 100
139 39.9 32.9 49.3
169 14.0 10.6 15.8

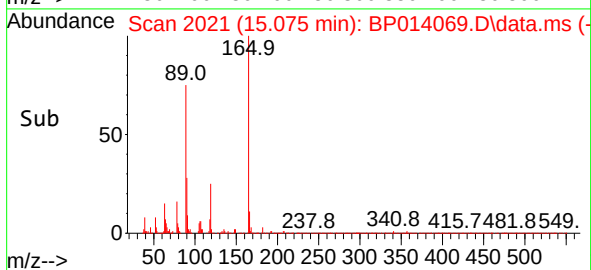
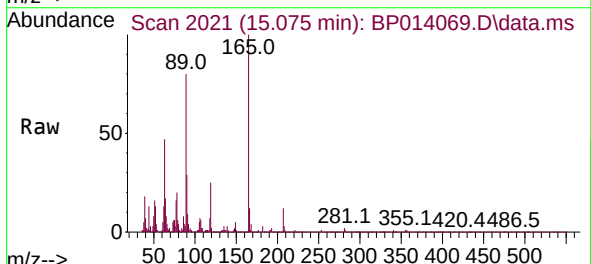
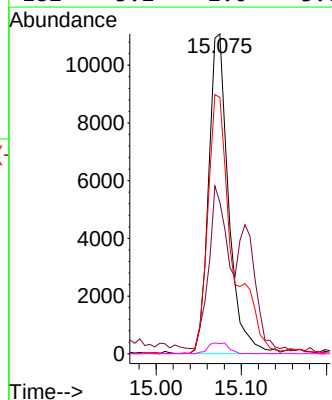
Manual Integrations
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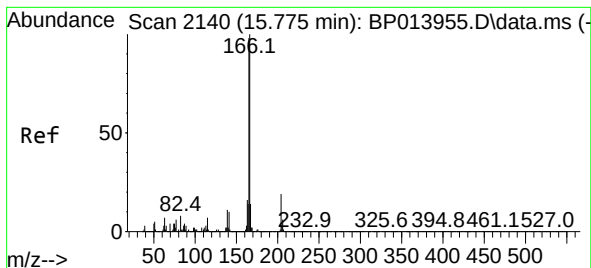
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#57
2,4-Dinitrotoluene
Concen: 2.591 ng
RT: 15.075 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:165 Resp: 18034
Ion Ratio Lower Upper
165 100
63 47.4 37.5 56.3
89 80.1 61.8 92.8
182 3.2 2.0 3.0#





#58

Fluorene

Concen: 3.472 ng

RT: 15.757 min Scan# 2140

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

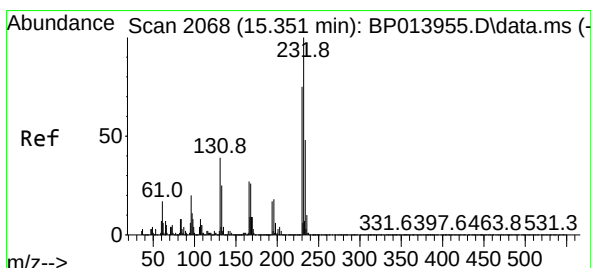
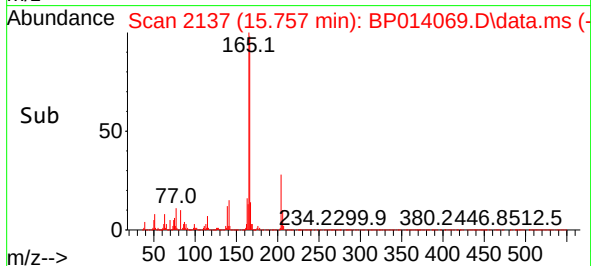
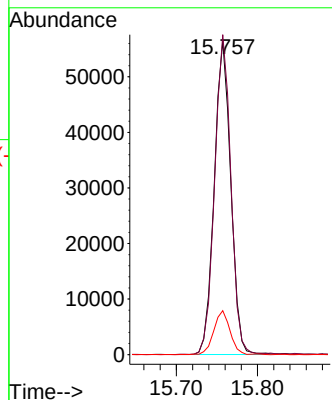
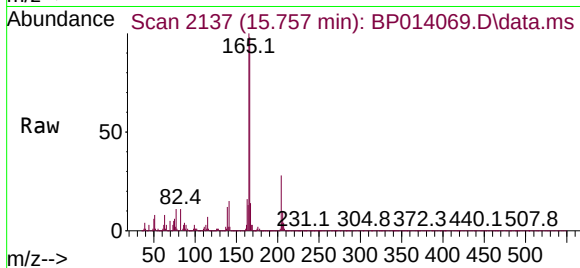
Tgt Ion:	166	Resp:	7988
Ion Ratio	Lower	Upper	
166	100		
165	102.0	78.1	117.1
167	14.0	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#59

2,3,4,6-Tetrachlorophenol

Concen: 2.977 ng m

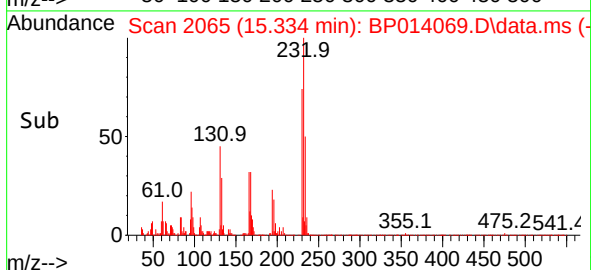
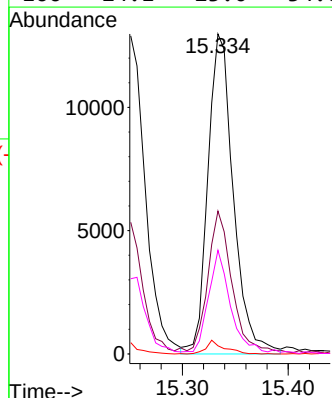
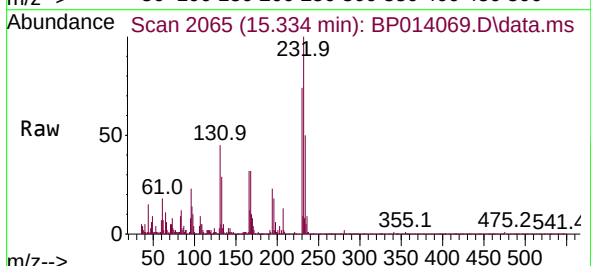
RT: 15.334 min Scan# 2065

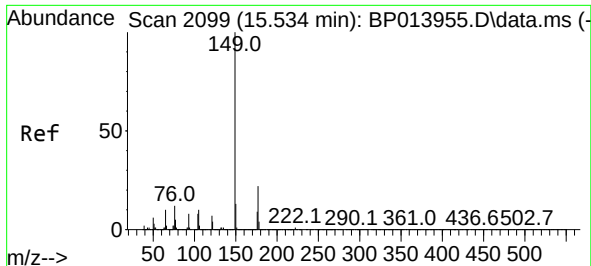
Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:	232	Resp:	21732
Ion Ratio	Lower	Upper	
232	100		
131	35.7	32.5	48.7
130	2.2	1.9	2.9
166	24.1	23.0	34.6





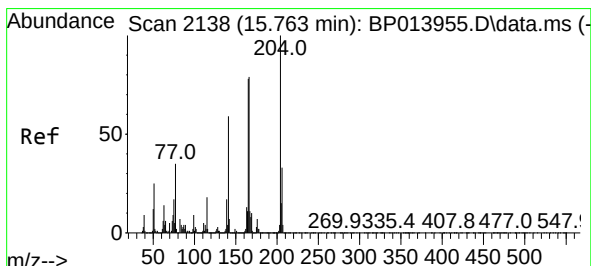
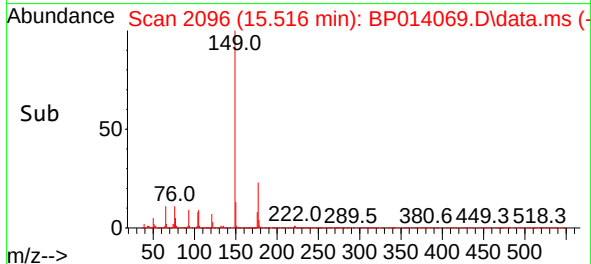
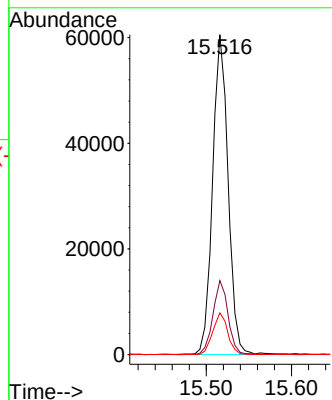
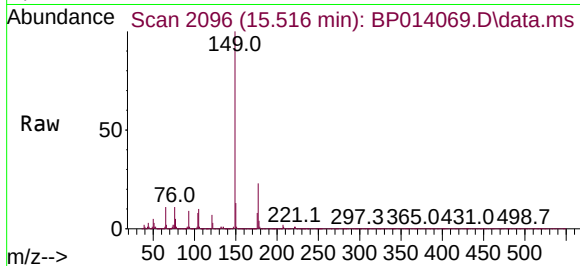
#60
Diethylphthalate
Concen: 3.131 ng
RT: 15.516 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:149 Resp: 76415
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 13.0 10.3 15.5

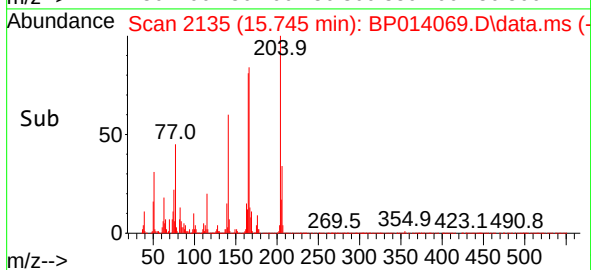
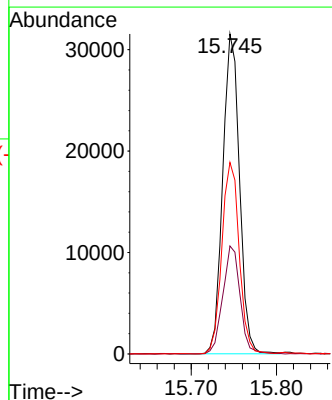
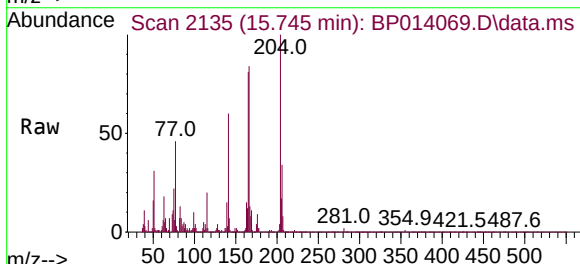
Manual Integrations
APPROVED

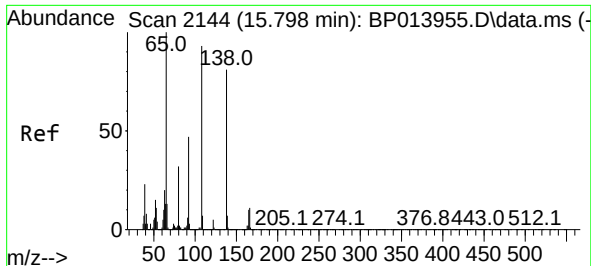
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#61
4-Chlorophenyl-phenylether
Concen: 3.302 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

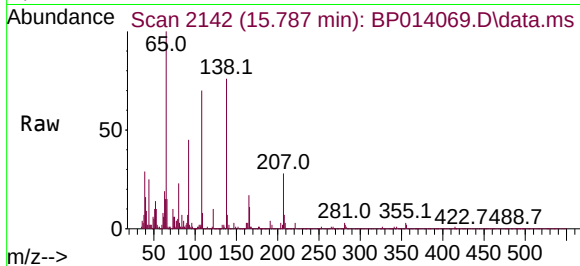
Tgt Ion:204 Resp: 43071
Ion Ratio Lower Upper
204 100
206 33.7 26.2 39.4
141 59.8 46.9 70.3





#62
4-Nitroaniline
Concen: 2.329 ng m
RT: 15.787 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

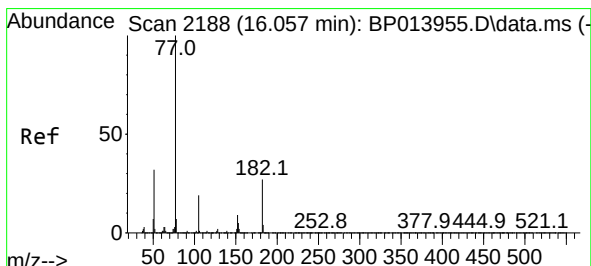
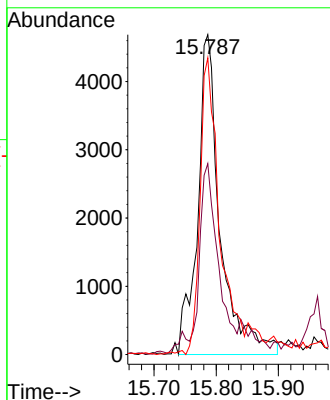
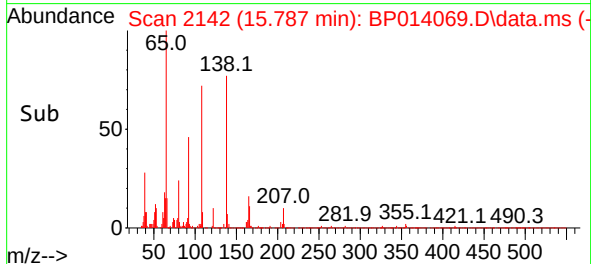
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:138 Resp: 11830
Ion Ratio Lower Upper
138 100
92 59.7 37.9 77.9
108 92.7 94.9 134.9

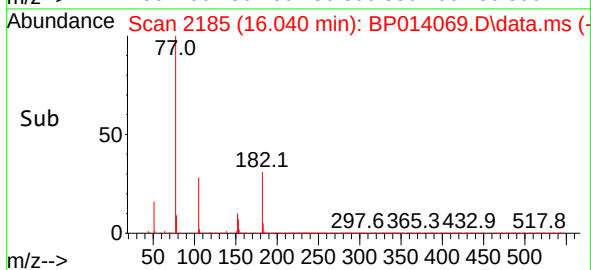
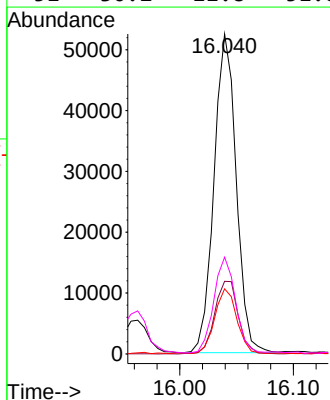
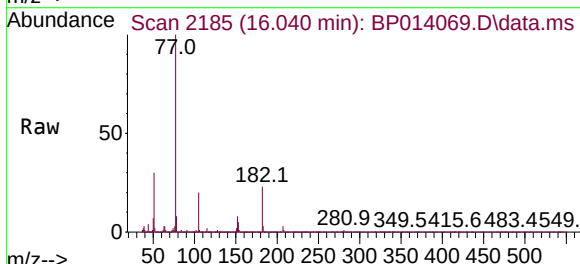
Manual Integrations
APPROVED

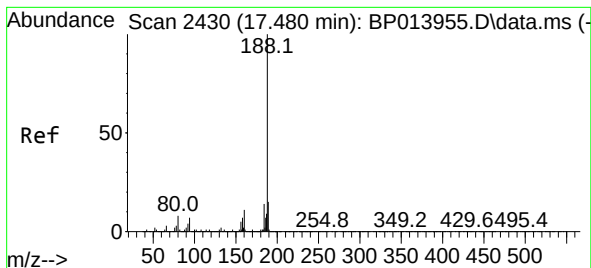
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#63
Azobenzene
Concen: 3.149 ng
RT: 16.040 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion: 77 Resp: 71118
Ion Ratio Lower Upper
77 100
182 22.7 6.9 46.9
105 20.3 0.0 39.4
51 30.2 11.8 51.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:188 Resp: 600423

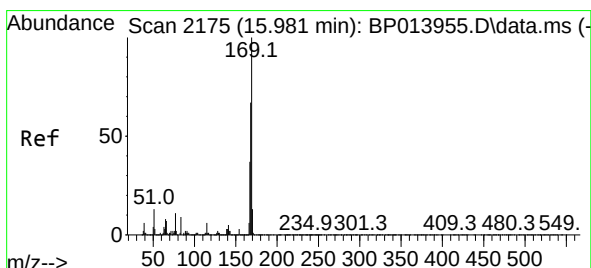
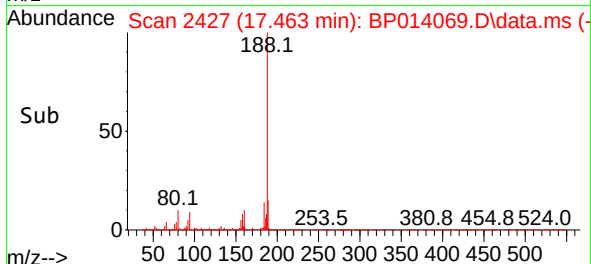
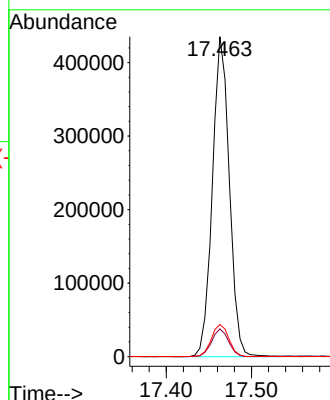
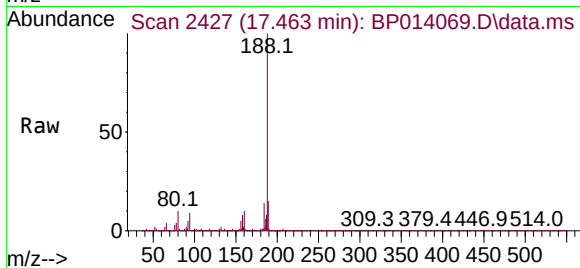
Ion	Ratio	Lower	Upper
188	100		
94	8.7	5.8	8.6
80	10.0	6.6	9.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#66

n-Nitrosodiphenylamine

Concen: 3.454 ng

RT: 15.963 min Scan# 2172

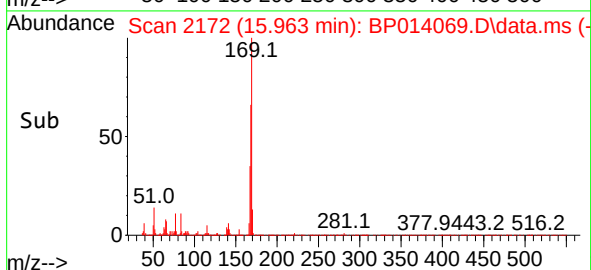
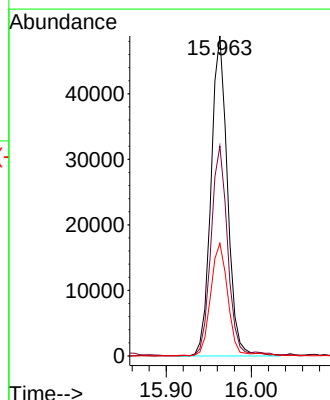
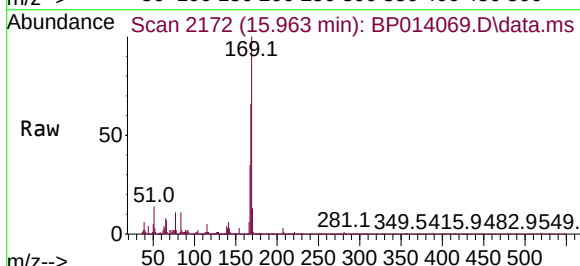
Delta R.T. -0.006 min

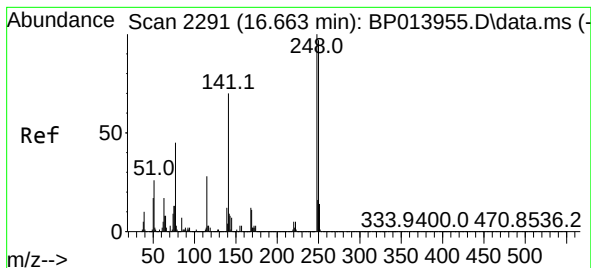
Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:169 Resp: 65535

Ion	Ratio	Lower	Upper
169	100		
168	65.6	54.0	81.0
167	35.2	29.4	44.2





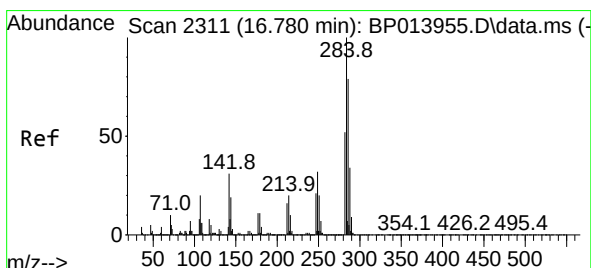
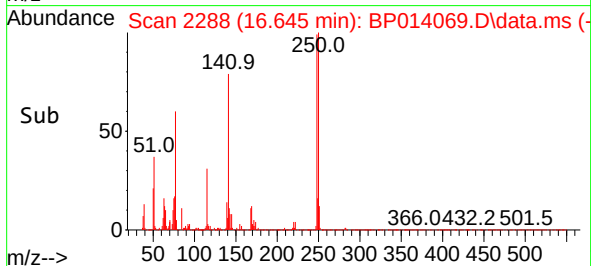
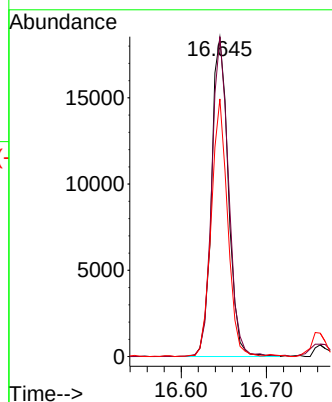
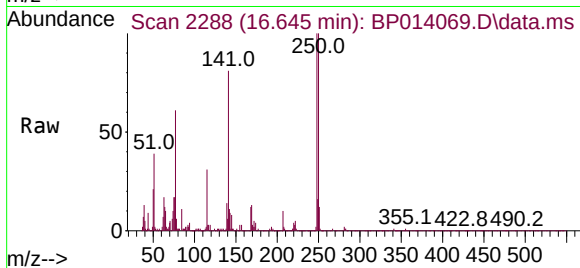
#67
4-Bromophenyl-phenylether
Concen: 3.178 ng
RT: 16.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:248 Resp: 25240
Ion Ratio Lower Upper
248 100
250 100.3 77.9 116.9
141 80.7 56.0 84.0

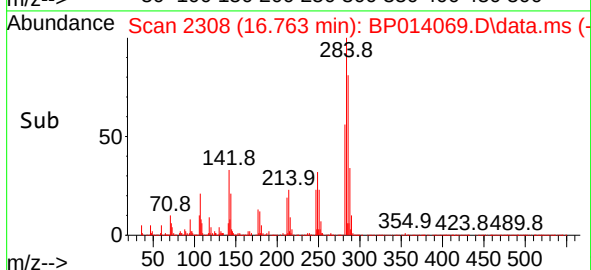
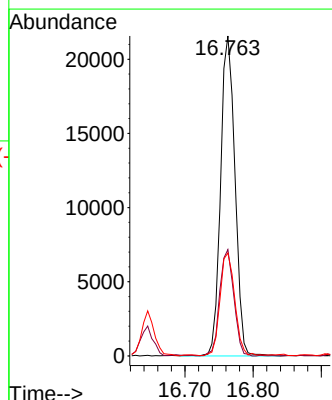
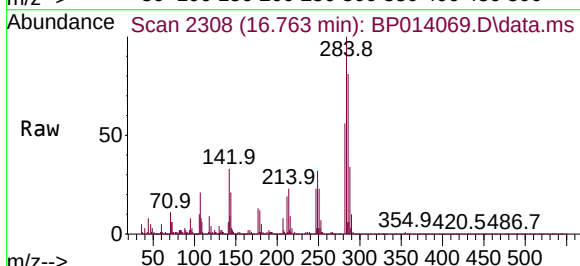
Manual Integrations
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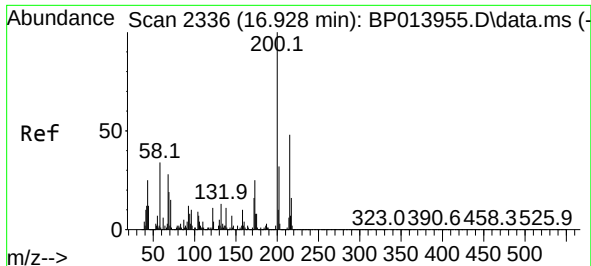
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#68
Hexachlorobenzene
Concen: 3.688 ng
RT: 16.763 min Scan# 2308
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

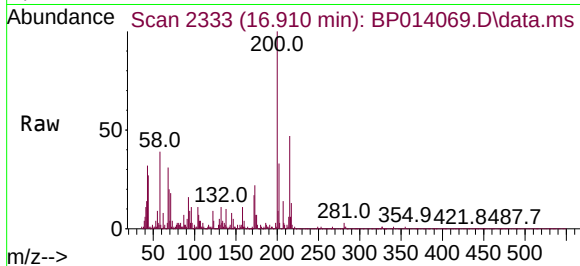
Tgt Ion:284 Resp: 31398
Ion Ratio Lower Upper
284 100
142 33.2 24.8 37.2
249 35.5 25.7 38.5





#69
Atrazine
Concen: 3.333 ng
RT: 16.910 min Scan# 2333
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

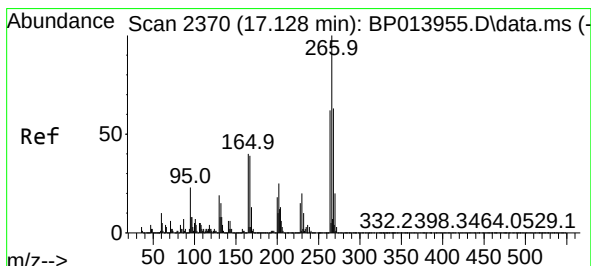
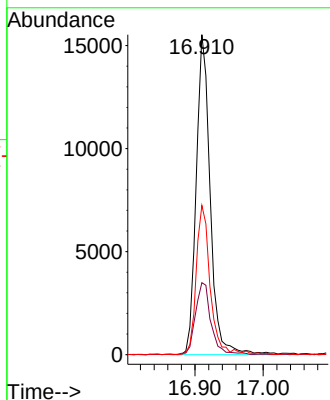
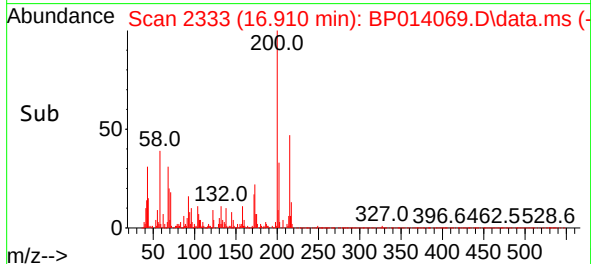
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:200 Resp: 22200
Ion Ratio Lower Upper
200 100
173 22.5 5.5 45.5
215 46.6 27.9 67.9

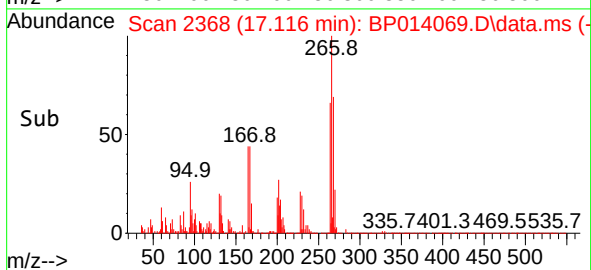
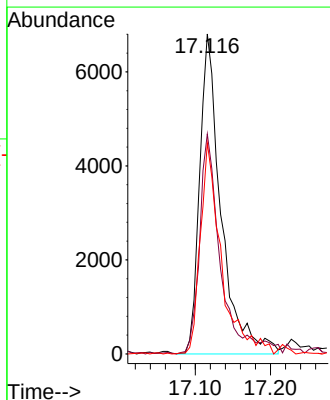
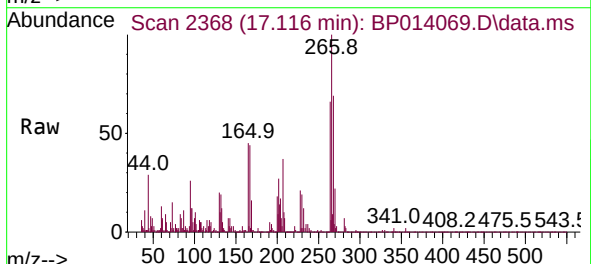
Manual Integrations
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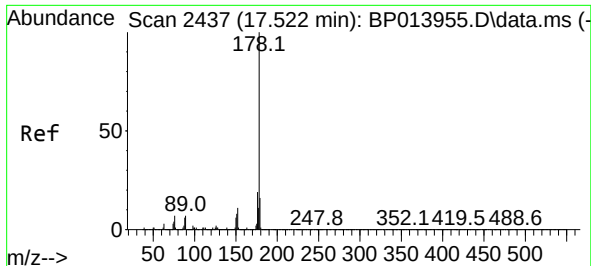
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#70
Pentachlorophenol
Concen: 2.198 ng m
RT: 17.116 min Scan# 2368
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:266 Resp: 13496
Ion Ratio Lower Upper
266 100
268 68.7 50.4 75.6
264 65.9 49.2 73.8





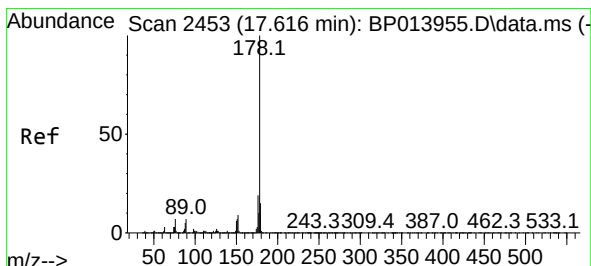
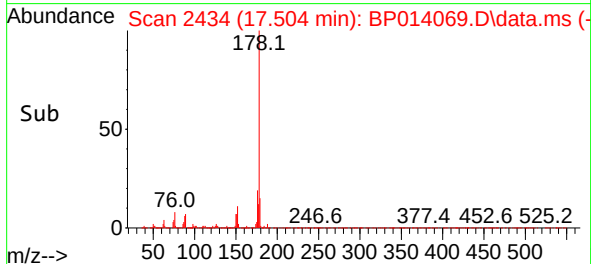
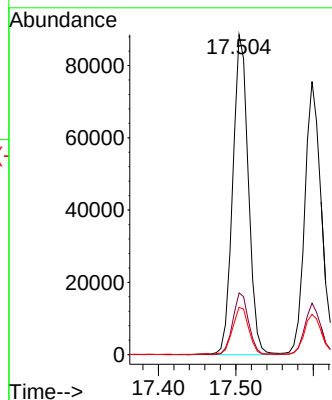
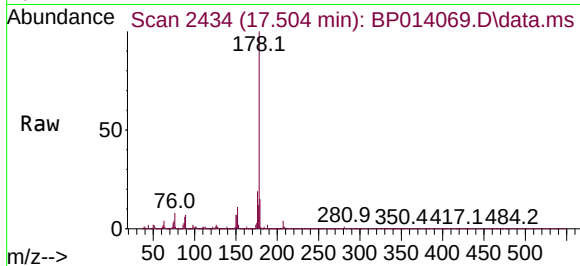
#71
Phenanthrene
Concen: 3.698 ng
RT: 17.504 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:178 Resp: 124055
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 14.8 12.6 19.0

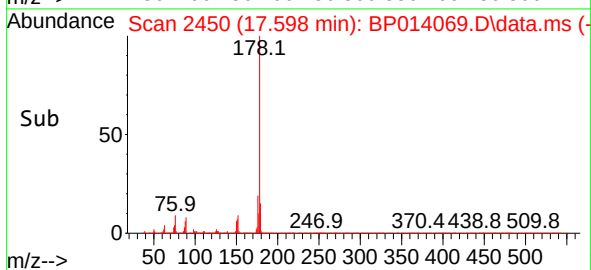
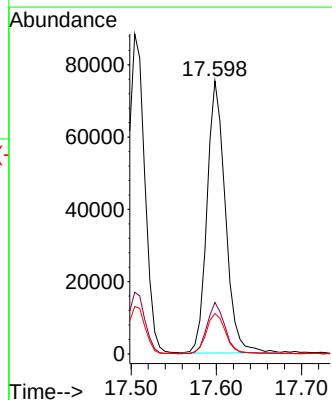
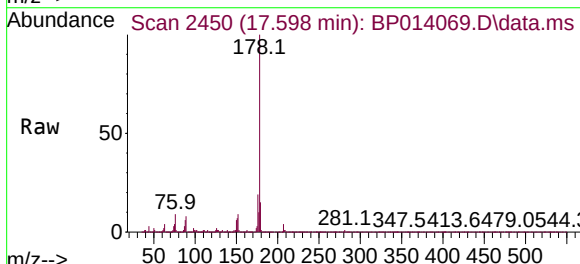
Manual Integrations
APPROVED

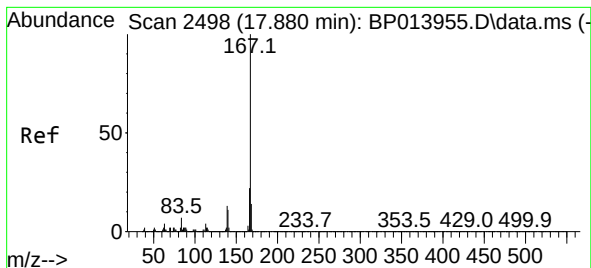
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#72
Anthracene
Concen: 3.286 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:178 Resp: 112632
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 14.8 12.1 18.1





#73

Carbazole

Concen: 3.188 ng

RT: 17.869 min Scan# 2498

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

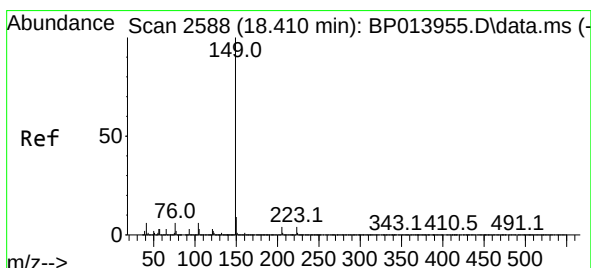
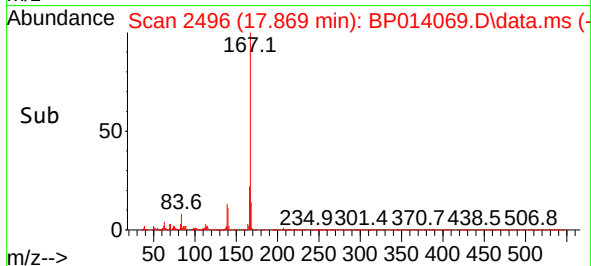
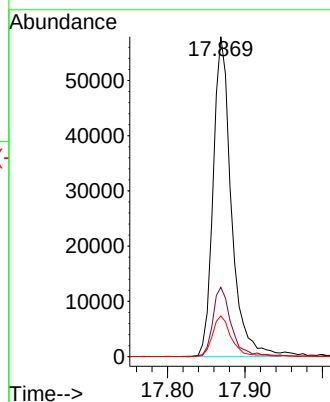
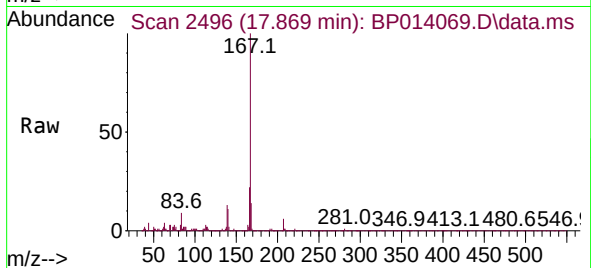
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	167	Resp:	9426
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.2	25.8
139	12.7	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#74

Di-n-butylphthalate

Concen: 2.757 ng

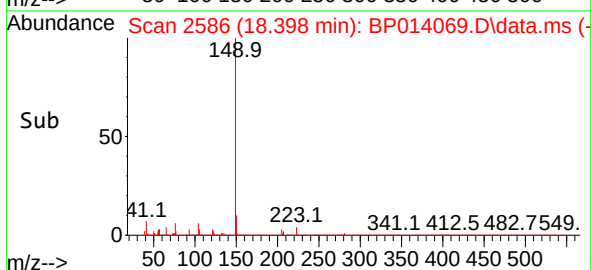
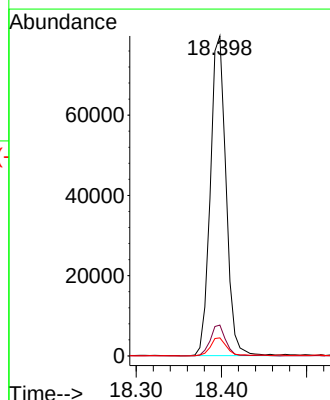
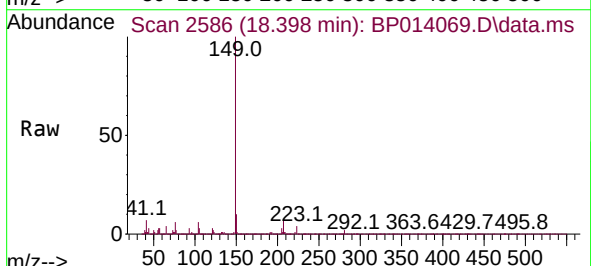
RT: 18.398 min Scan# 2586

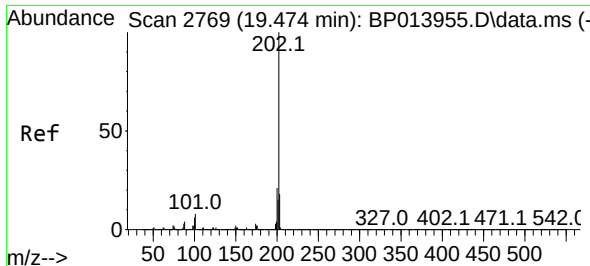
Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:	149	Resp:	101900
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.2	10.8
104	5.7	4.6	7.0





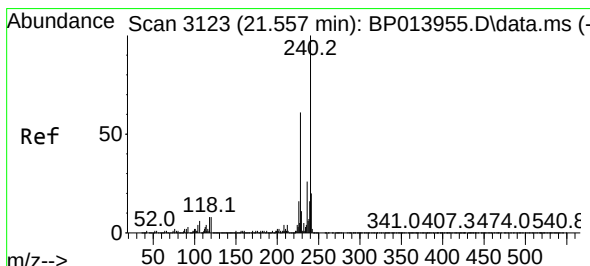
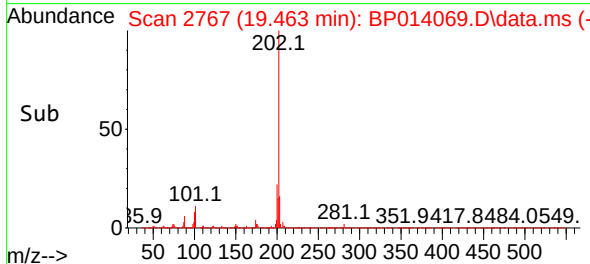
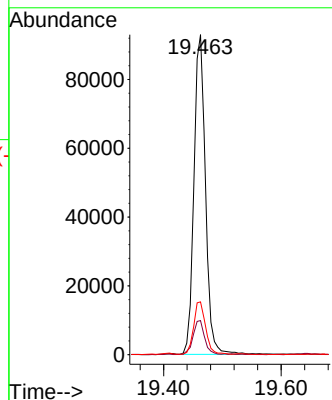
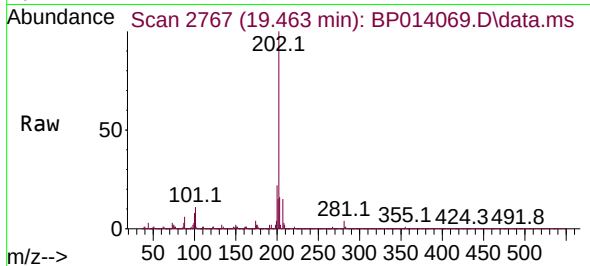
#75
Fluoranthene
Concen: 3.152 ng
RT: 19.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:202 Resp: 126388
Ion Ratio Lower Upper
202 100
101 10.6 0.0 27.9
203 16.5 0.0 37.7

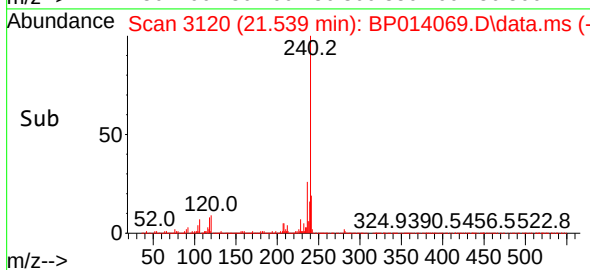
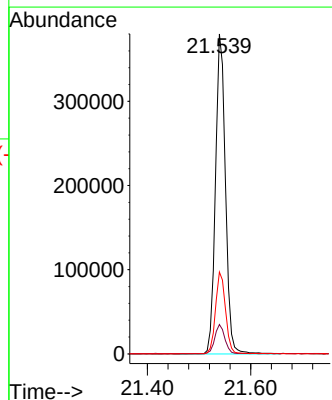
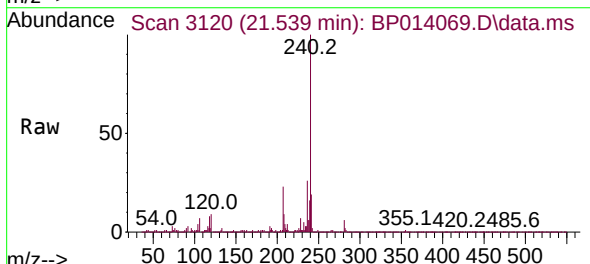
Manual Integrations
APPROVED

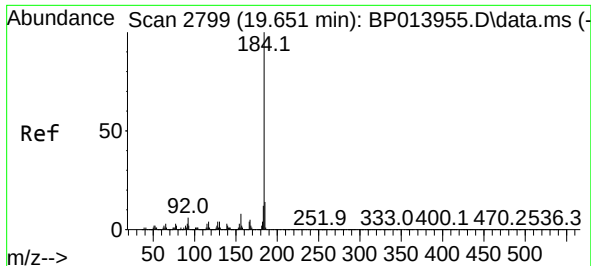
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:240 Resp: 508790
Ion Ratio Lower Upper
240 100
120 9.2 6.4 9.6
236 25.6 21.2 31.8





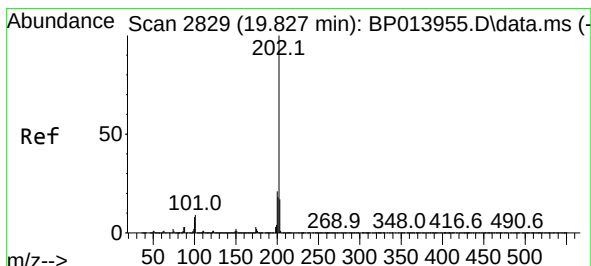
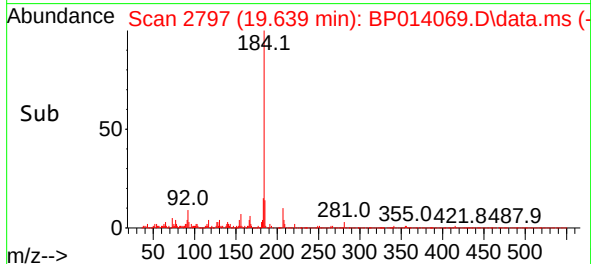
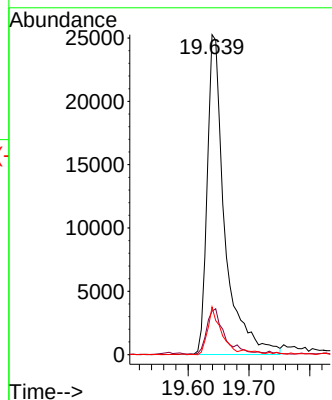
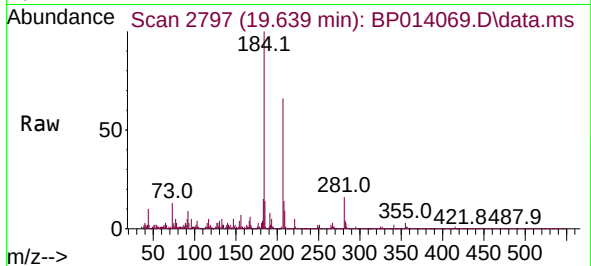
#77
Benzidine
Concen: 6.907 ng
RT: 19.639 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:184 Resp: 5044
Ion Ratio Lower Upper
184 100
185 13.6 11.6 17.4
183 14.9 9.7 14.5

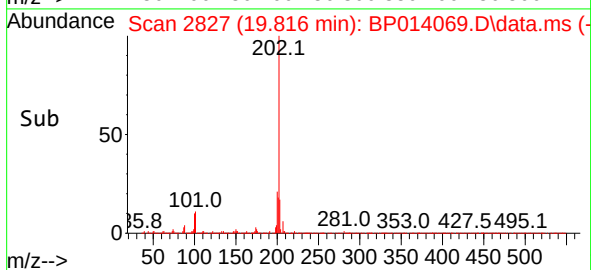
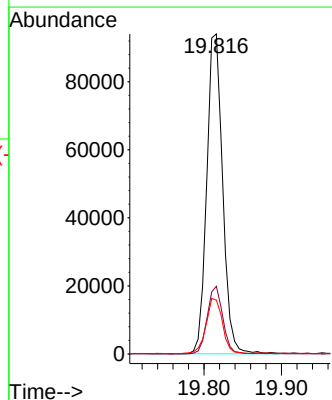
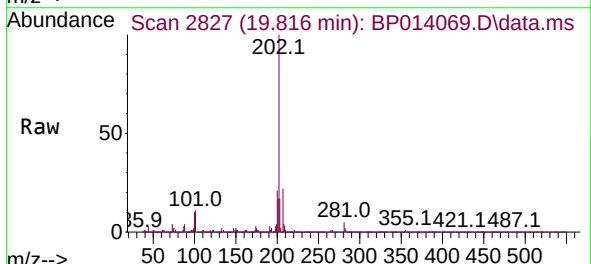
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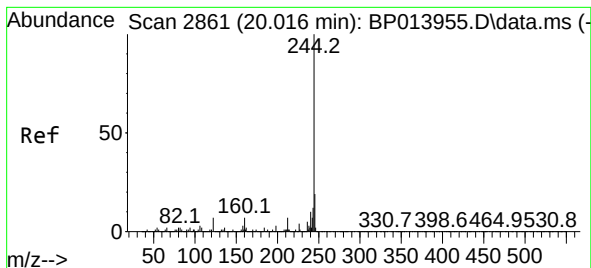
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#78
Pyrene
Concen: 3.436 ng
RT: 19.816 min Scan# 2827
Delta R.T. 0.000 min
Lab File: BP014069.D
Acq: 13 Mar 2023 18:33

Tgt Ion:202 Resp: 134200
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 16.8 13.9 20.9





#79

Terphenyl-d14

Concen: 76.705 ng

RT: 19.998 min Scan# 2861

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:244 Resp: 236677

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

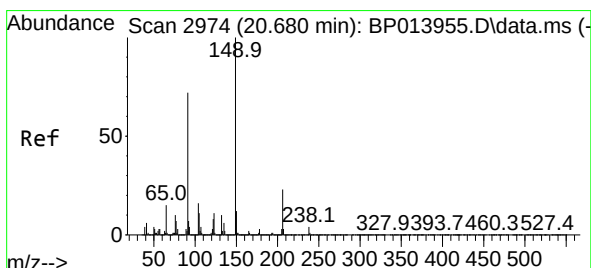
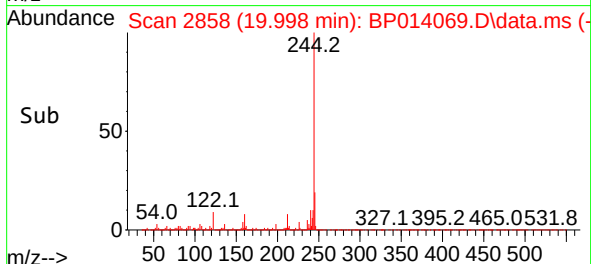
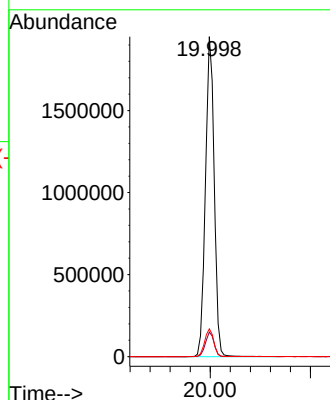
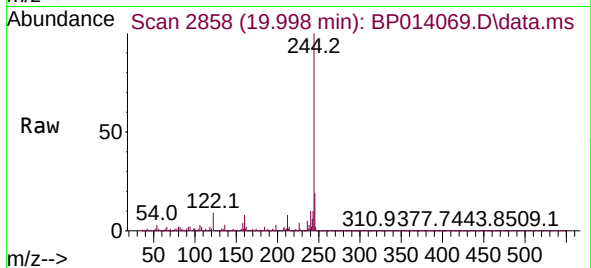
122 8.7 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#80

Butylbenzylphthalate

Concen: 2.570 ng

RT: 20.669 min Scan# 2972

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

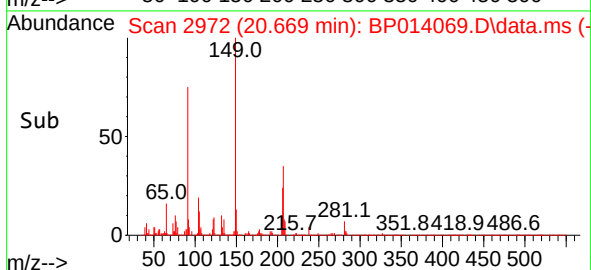
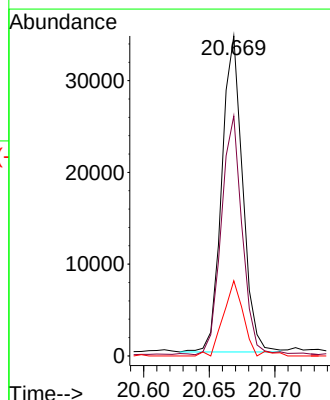
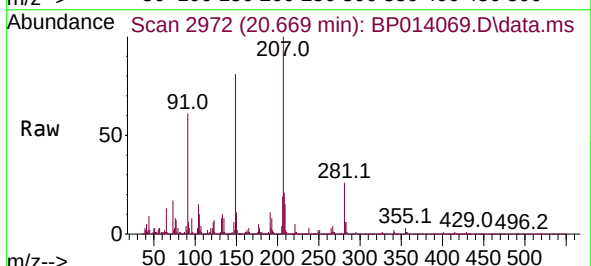
Tgt Ion:149 Resp: 38052

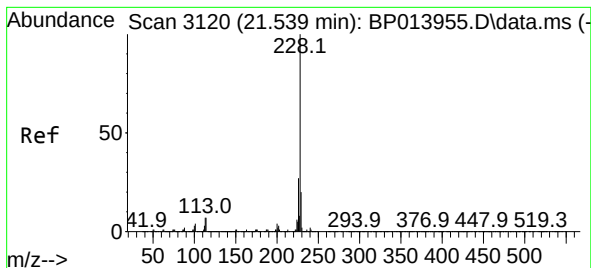
Ion Ratio Lower Upper

149 100

91 75.0 58.0 87.0

206 23.5 18.7 28.1





#81

Benzo(a)anthracene

Concen: 3.399 ng

RT: 21.527 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

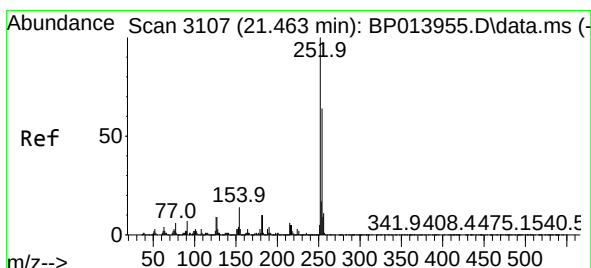
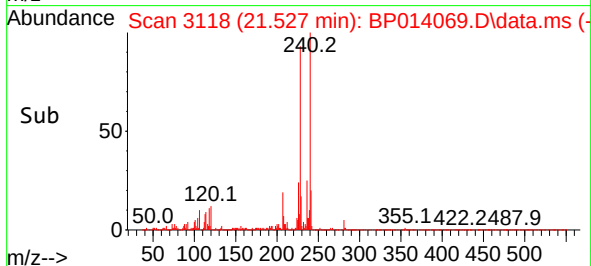
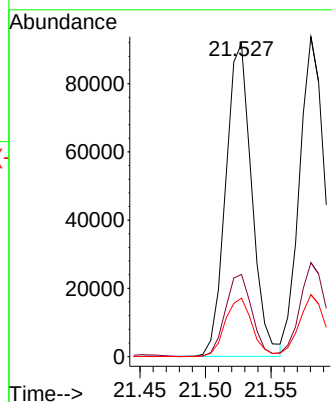
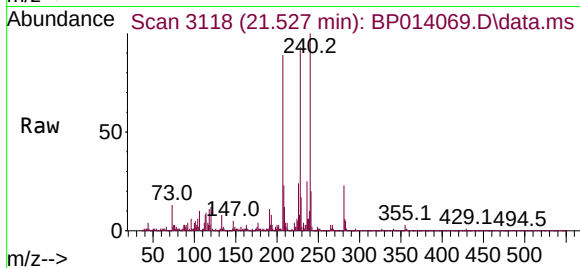
Tgt Ion:	228	Resp:	126872
Ion Ratio	Lower	Upper	
228	100		
226	26.3	21.8	32.8
229	18.7	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#82

3,3'-Dichlorobenzidine

Concen: 3.736 ng

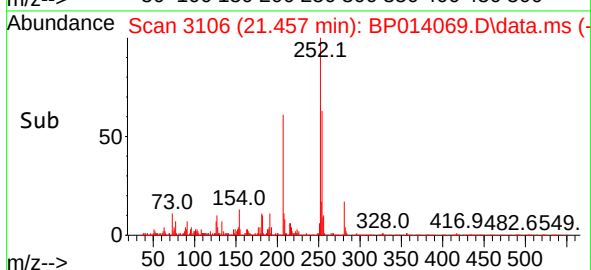
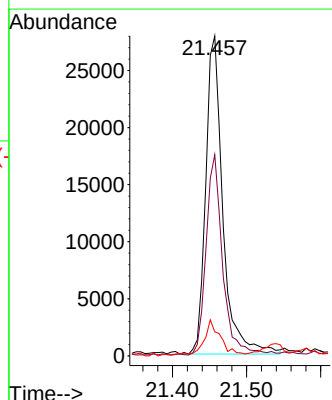
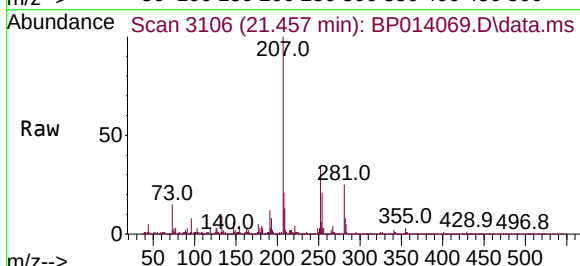
RT: 21.457 min Scan# 3106

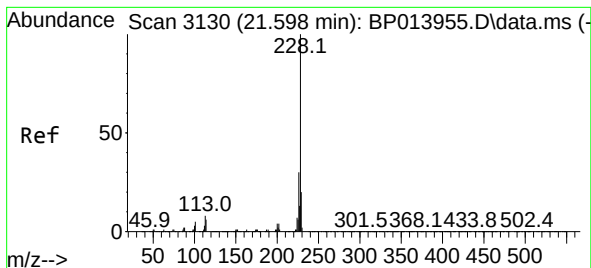
Delta R.T. 0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:	252	Resp:	44623
Ion Ratio	Lower	Upper	
252	100		
254	62.9	51.0	76.6
126	7.5	7.0	10.6





#83

Chrysene

Concen: 3.610 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

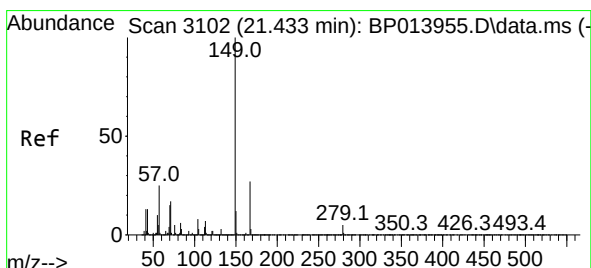
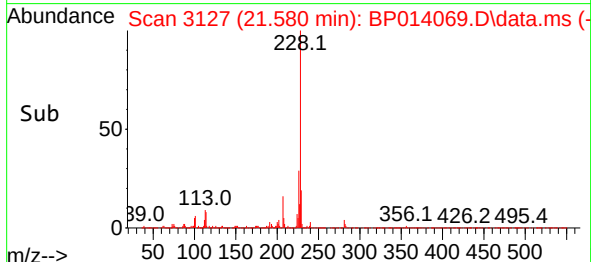
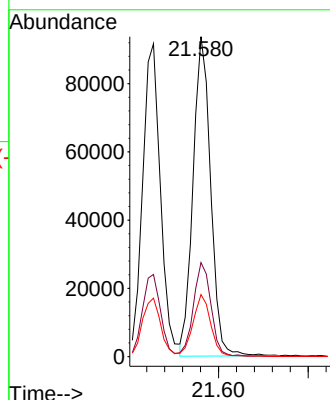
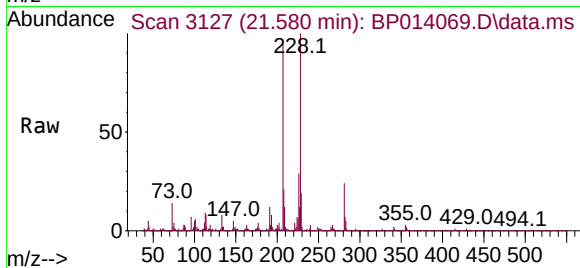
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	228	Resp:	127609
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.2	36.4
229	19.4	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.527 ng

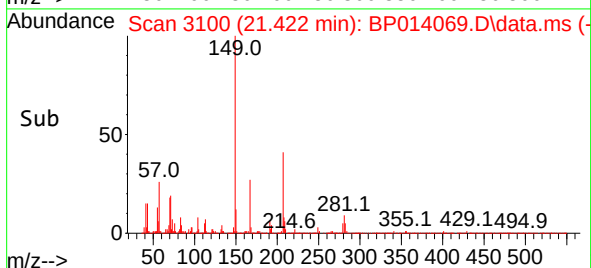
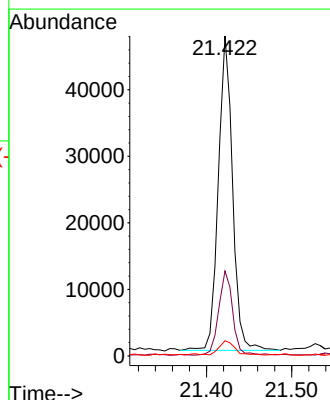
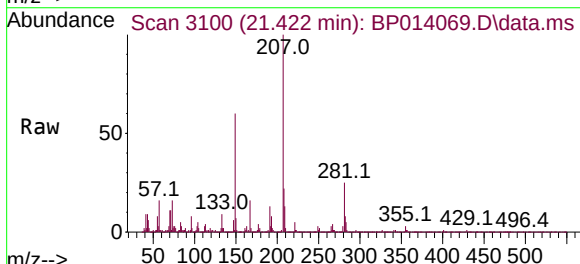
RT: 21.422 min Scan# 3100

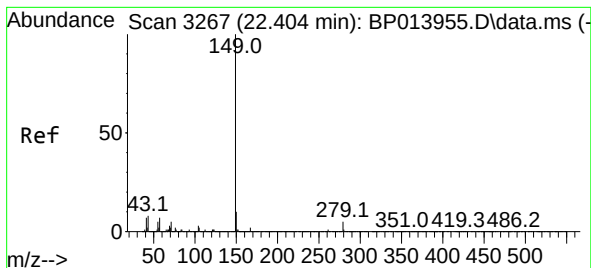
Delta R.T. 0.000 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:	149	Resp:	54877
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.8	32.6
279	4.7	4.0	6.0





#85

Di-n-octyl phthalate

Concen: 2.346 ng

RT: 22.386 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

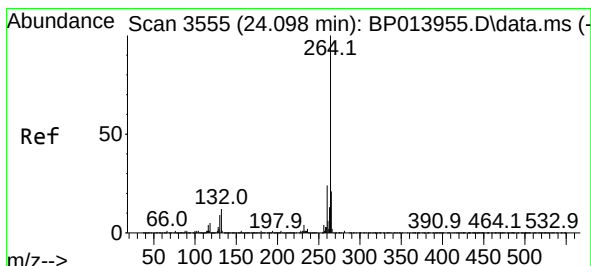
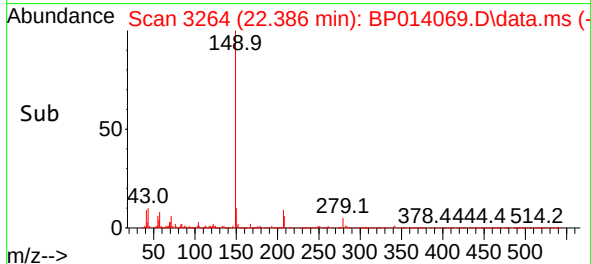
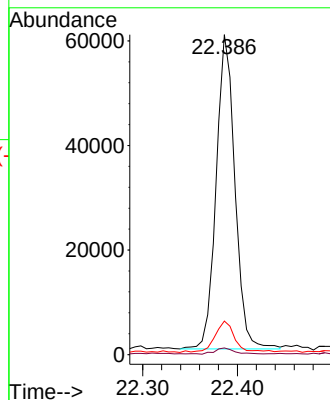
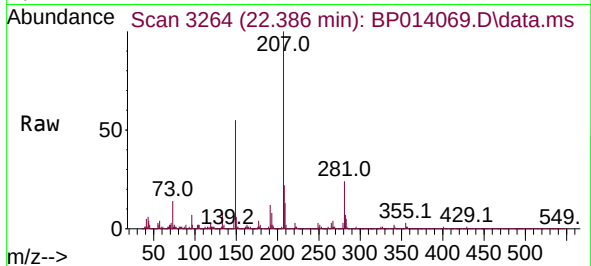
Tgt Ion:149	Resp:	82709
Ion Ratio	Lower	Upper
149	100	
167	1.8	1.3 1.9
43	10.7	6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#86

Perylene-d12

Concen: 20.000 ng

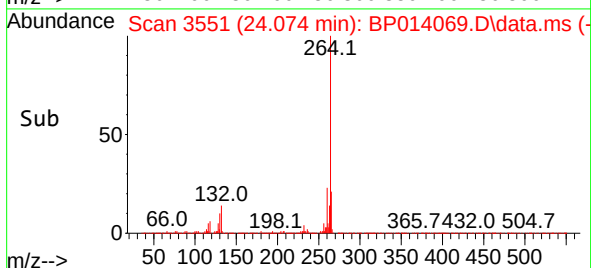
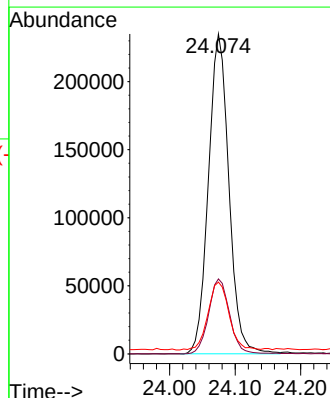
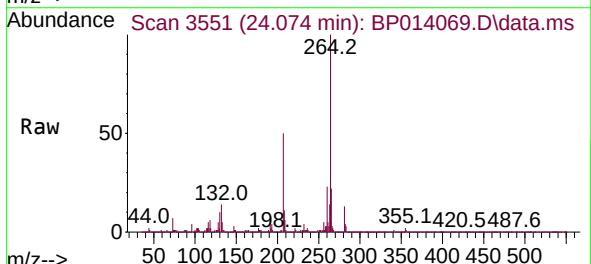
RT: 24.074 min Scan# 3551

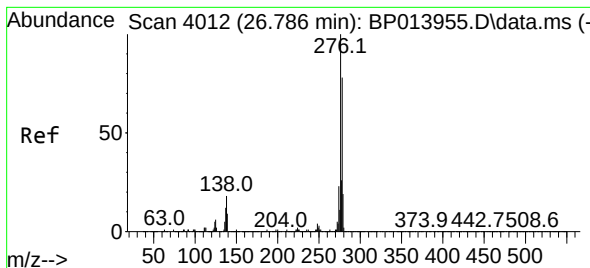
Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:264	Resp:	509907
Ion Ratio	Lower	Upper
264	100	
260	23.4	19.4 29.2
265	22.4	17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.493 ng

RT: 26.733 min Scan# 4012

Delta R.T. -0.017 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:276 Resp: 137616

Ion Ratio Lower Upper

276 100

138 20.6 13.8 20.8

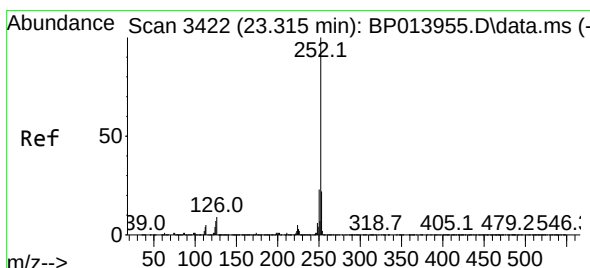
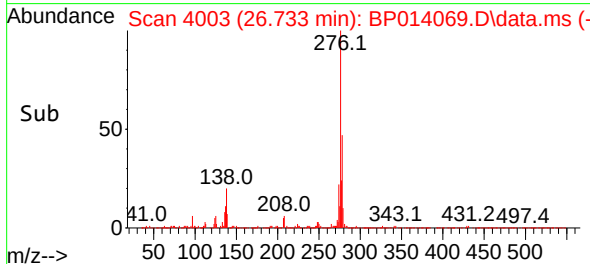
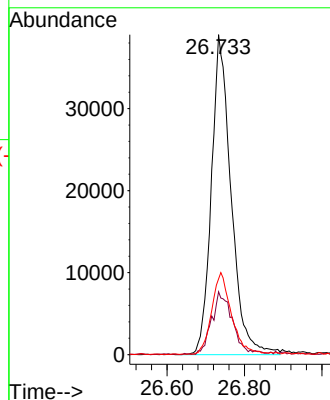
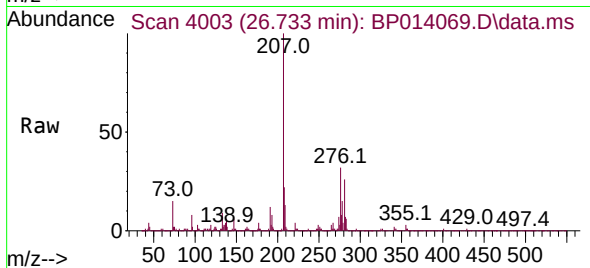
277 25.6 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#88

Benzo(b)fluoranthene

Concen: 3.500 ng

RT: 23.292 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

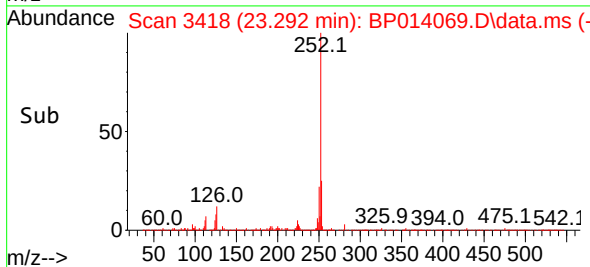
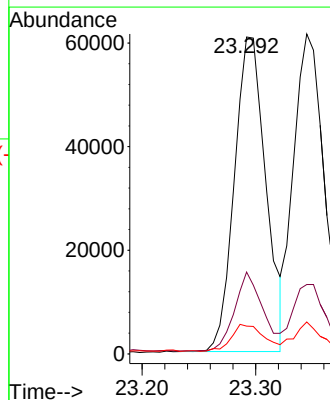
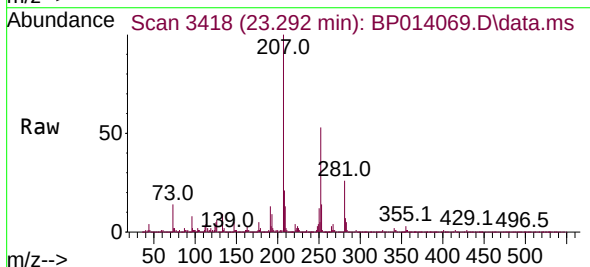
Tgt Ion:252 Resp: 116856

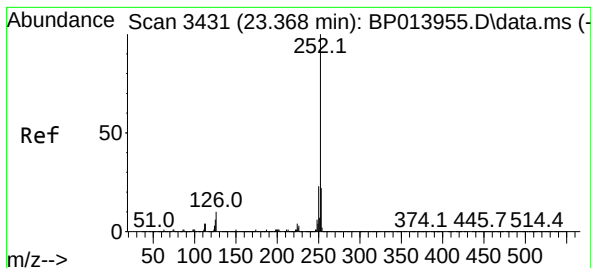
Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

125 8.8 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 3.564 ng

RT: 23.345 min Scan# 34

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

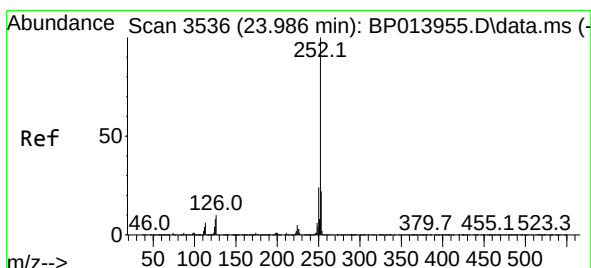
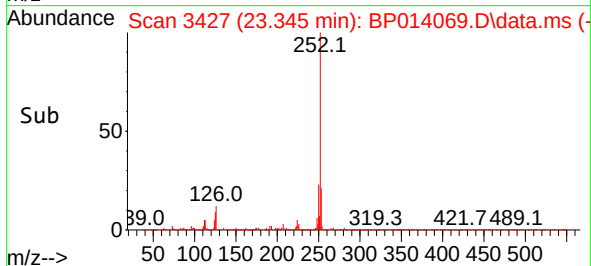
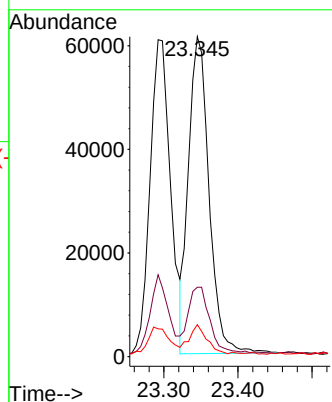
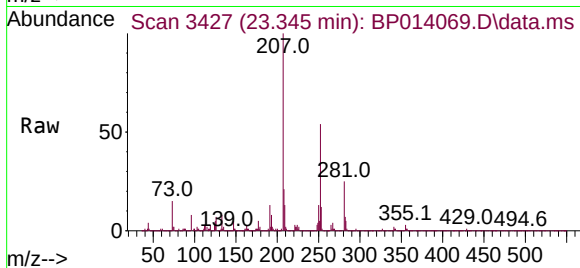
Tgt Ion:252	Resp:	117993
Ion Ratio	Lower	Upper
252	100	
253	21.7	17.4 26.0
125	10.0	5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#90

Benzo(a)pyrene

Concen: 3.120 ng

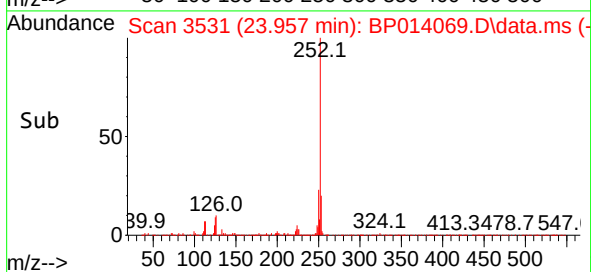
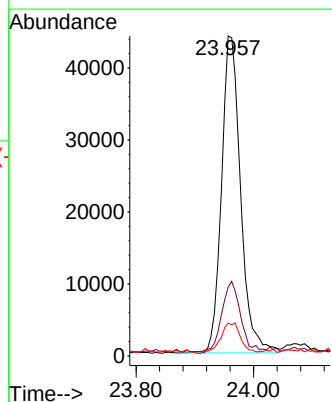
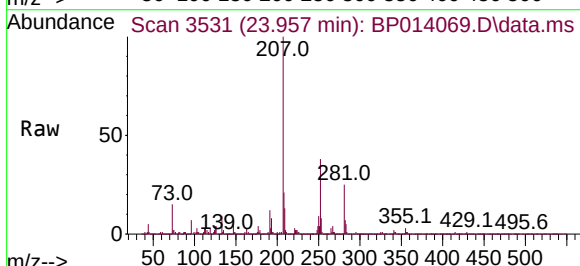
RT: 23.957 min Scan# 3531

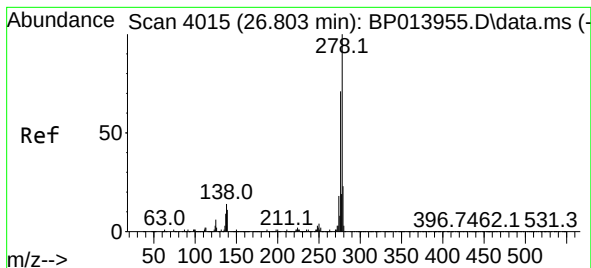
Delta R.T. -0.012 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:252	Resp:	99348
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.4 26.2
125	10.2	6.2 9.4





#91

Dibenzo(a,h)anthracene

Concen: 3.476 ng

RT: 26.757 min Scan# 4015

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

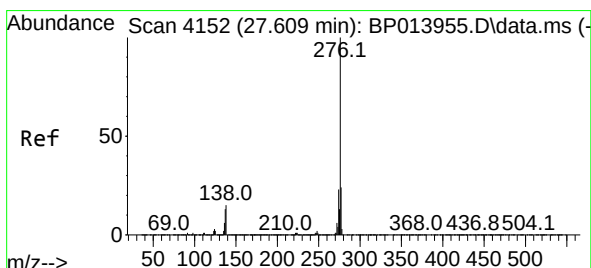
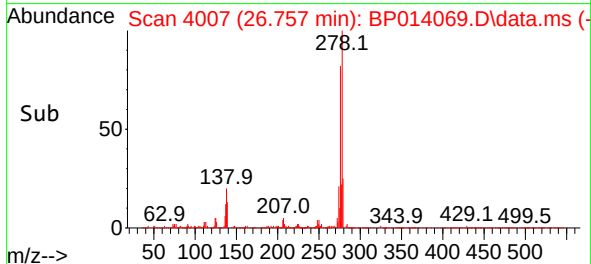
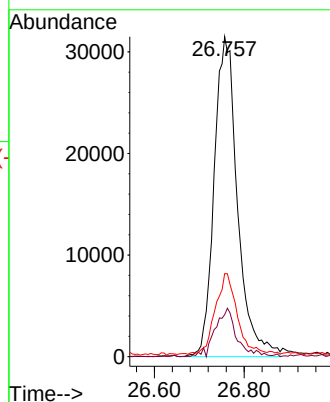
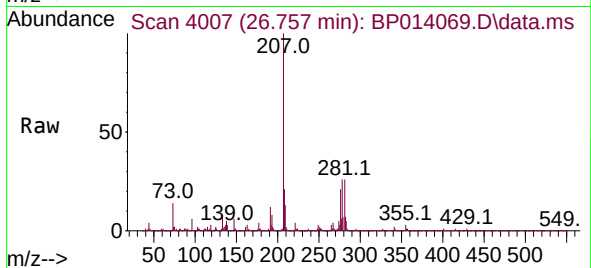
Tgt Ion:	278	Resp:	113839
Ion Ratio	Lower	Upper	
278	100		
139	13.1	8.7	13.1
279	25.9	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#92

Benzo(g,h,i)perylene

Concen: 3.563 ng

RT: 27.562 min Scan# 4144

Delta R.T. -0.006 min

Lab File: BP014069.D

Acq: 13 Mar 2023 18:33

Tgt Ion:	276	Resp:	115646
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.4	29.0
138	16.0	12.2	18.4

