

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031323\
 Data File : BP014070.D
 Acq On : 13 Mar 2023 19:07
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 14 04:22:15 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	147599	20.000	ng	0.00
21) Naphthalene-d8	10.893	136	524567	20.000	ng	# 0.00
39) Acenaphthene-d10	14.710	164	304692	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	611437	20.000	ng	# 0.00
76) Chrysene-d12	21.539	240	541016	20.000	ng	0.00
86) Perylene-d12	24.074	264	561278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	1063247	116.824	ng	0.00
7) Phenol-d6	7.222	99	1358914	113.724	ng	0.00
23) Nitrobenzene-d5	9.246	82	1009778	87.982	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	502707	101.760	ng	0.00
45) 2-Fluorobiphenyl	13.334	172	2013244	85.605	ng	0.00
79) Terphenyl-d14	19.998	244	2618242	79.801	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.470	88	30887	7.812	ng	94
3) Pyridine	3.893	79	70379	6.410	ng	96
4) n-Nitrosodimethylamine	3.793	42	34204	7.018	ng	# 99
6) Aniline	7.393	93	113600	7.237	ng	97
8) 2-Chlorophenol	7.628	128	72857	7.474	ng	95
9) Benzaldehyde	7.205	77	71317	11.927	ng	99
10) Phenol	7.252	94	94109	7.567	ng	98
11) bis(2-Chloroethyl)ether	7.487	93	73758	7.491	ng	99
12) 1,3-Dichlorobenzene	7.957	146	85640	7.995	ng	100
13) 1,4-Dichlorobenzene	8.105	146	84835	7.828	ng	97
14) 1,2-Dichlorobenzene	8.428	146	80838	7.788	ng	98
15) Benzyl Alcohol	8.316	79	64723	6.643	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.593	45	91729	8.557	ng	97
17) 2-Methylphenol	8.510	107	58746	6.623	ng	99
18) Hexachloroethane	9.157	117	30745	7.552	ng	96
19) n-Nitroso-di-n-propyla...	8.881	70	55202	7.019	ng	97
20) 3+4-Methylphenols	8.840	107	76214	6.380	ng	96
22) Acetophenone	8.905	105	111766	7.596	ng	# 99
24) Nitrobenzene	9.287	77	93127	7.930	ng	98
25) Isophorone	9.810	82	137611	6.507	ng	98
26) 2-Nitrophenol	10.004	139	32386	6.340	ng	92
27) 2,4-Dimethylphenol	10.057	122	59918	7.214	ng	95
28) bis(2-Chloroethoxy)met...	10.293	93	90129	7.364	ng	98
29) 2,4-Dichlorophenol	10.540	162	60288	6.631	ng	98
30) 1,2,4-Trichlorobenzene	10.751	180	76619	7.423	ng	98
31) Naphthalene	10.946	128	217471	7.545	ng	99
32) Benzoic acid	10.140	122	17475m	5.097	ng	
33) 4-Chloroaniline	11.057	127	80060	6.479	ng	97
34) Hexachlorobutadiene	11.222	225	51922	6.919	ng	97
35) Caprolactam	11.834	113	14189	5.452	ng	# 88
36) 4-Chloro-3-methylphenol	12.169	107	64635	6.374	ng	98
37) 2-Methylnaphthalene	12.546	142	144825	6.810	ng	98
38) 1-Methylnaphthalene	12.757	142	134300	6.775	ng	98
40) 1,2,4,5-Tetrachloroben...	12.904	216	87822	7.562	ng	99
41) Hexachlorocyclopentadiene	12.881	237	48215	6.615	ng	92
43) 2,4,6-Trichlorophenol	13.145	196	48227	6.569	ng	98

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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.222	196	50680	5.958	ng	97
46) 1,1'-Biphenyl	13.545	154	190820	7.781	ng	97
47) 2-Chloronaphthalene	13.587	162	148025	7.840	ng	98
48) 2-Nitroaniline	13.792	65	36688	6.403	ng	95
49) Acenaphthylene	14.434	152	208584	6.947	ng	99
50) Dimethylphthalate	14.157	163	167620	6.668	ng	100
51) 2,6-Dinitrotoluene	14.281	165	32451	6.130	ng	90
52) Acenaphthene	14.769	154	131911	7.298	ng	98
53) 3-Nitroaniline	14.616	138	29007	5.591	ng	99
54) 2,4-Dinitrophenol	14.834	184	13642	6.420	ng	92
55) Dibenzofuran	15.104	168	215981	7.330	ng	99
56) 4-Nitrophenol	14.928	139	20202	4.782	ng	89
57) 2,4-Dinitrotoluene	15.069	165	40881	5.777	ng	97
58) Fluorene	15.757	166	168981	7.223	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.334	232	46460	6.260	ng	97
60) Diethylphthalate	15.516	149	160357	6.461	ng	98
61) 4-Chlorophenyl-phenyle...	15.745	204	89423	6.742	ng	95
62) 4-Nitroaniline	15.781	138	28048	5.430	ng	90
63) Azobenzene	16.039	77	160350	6.982	ng	96
65) 4,6-Dinitro-2-methylph...	15.834	198	21138	4.667	ng	86
66) n-Nitrosodiphenylamine	15.963	169	138424	7.164	ng	99
67) 4-Bromophenyl-phenylether	16.645	248	52511	6.493	ng	96
68) Hexachlorobenzene	16.763	284	62847	7.250	ng	98
69) Atrazine	16.910	200	47195	6.957	ng	98
70) Pentachlorophenol	17.110	266	30568	4.889	ng	96
71) Phenanthrene	17.504	178	251097	7.351	ng	100
72) Anthracene	17.598	178	240630	6.895	ng	99
73) Carbazole	17.869	167	207280	6.885	ng	98
74) Di-n-butylphthalate	18.398	149	222899	5.922	ng	99
75) Fluoranthene	19.457	202	270247	6.619	ng	98
77) Benzidine	19.639	184	122676	12.268	ng	98
78) Pyrene	19.810	202	286135	6.891	ng	100
80) Butylbenzylphthalate	20.669	149	85264	5.416	ng	99
81) Benzo(a)anthracene	21.521	228	274264	6.909	ng	100
82) 3,3'-Dichlorobenzidine	21.451	252	96834	7.624	ng	95
83) Chrysene	21.580	228	271787	7.230	ng	98
84) Bis(2-ethylhexyl)phtha...	21.422	149	126521	5.478	ng	97
85) Di-n-octyl phthalate	22.386	149	201738	5.381	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.733	276	316243	7.292	ng	97
88) Benzo(b)fluoranthene	23.292	252	267534	7.279	ng	98
89) Benzo(k)fluoranthene	23.345	252	256000	7.025	ng	98
90) Benzo(a)pyrene	23.963	252	223694	6.381	ng	98
91) Dibenzo(a,h)anthracene	26.756	278	267673	7.424	ng	98
92) Benzo(g,h,i)perylene	27.556	276	264147	7.393	ng	97

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

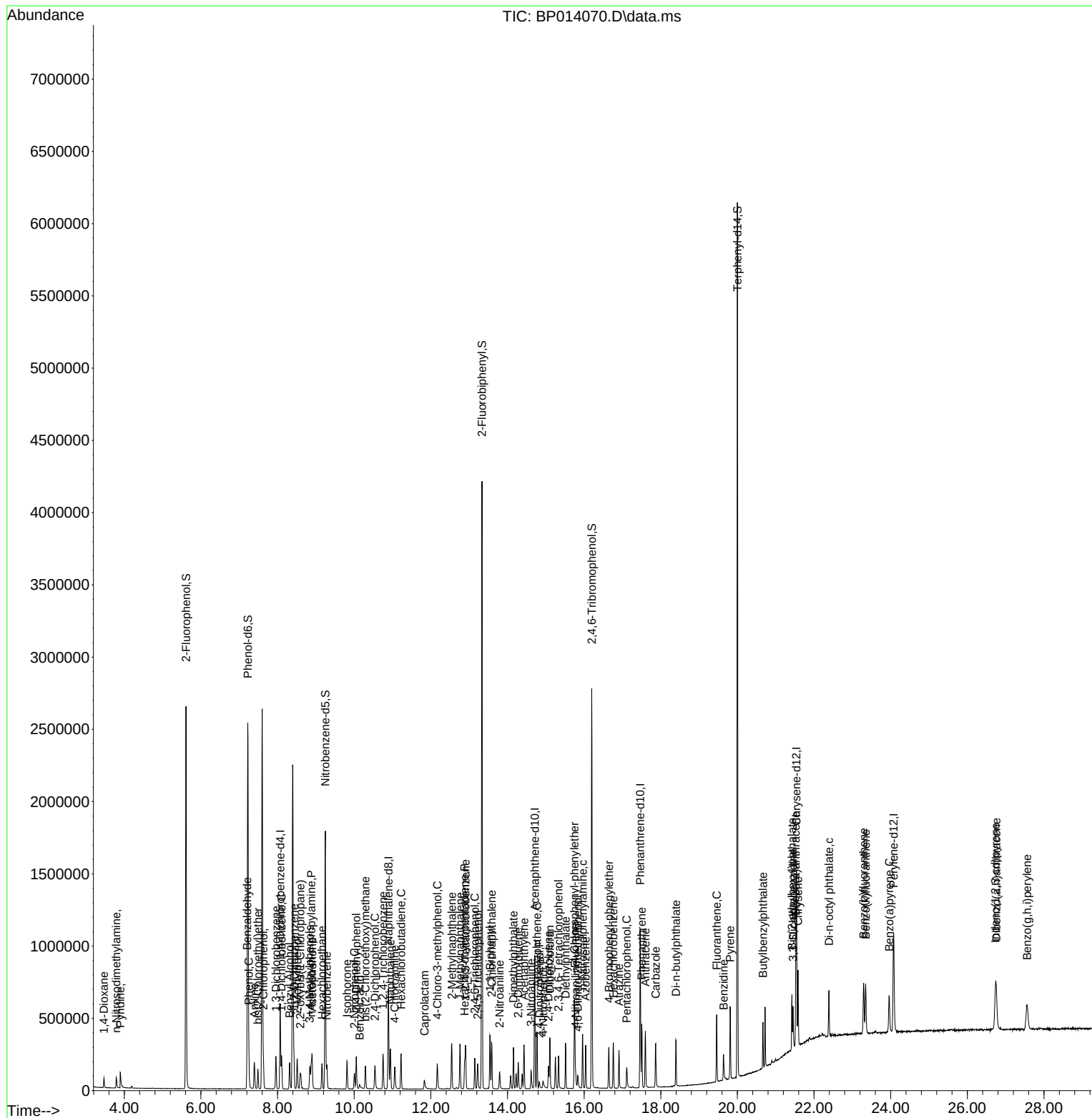
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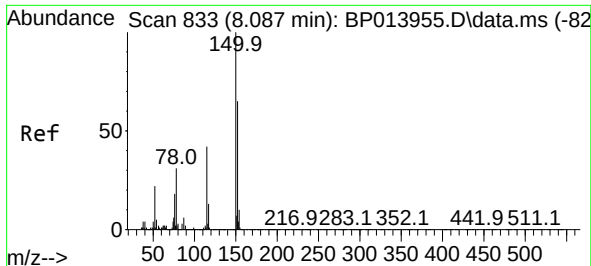
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 ClientSampleId :
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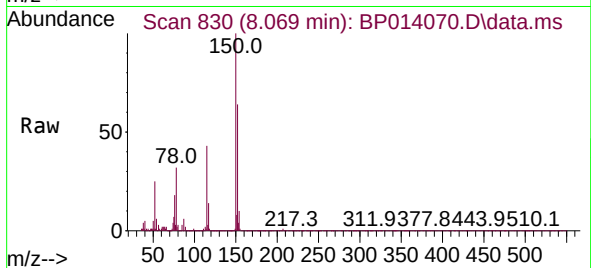
Reviewed By : Christian Giraldo 03/14/2023
 Supervised By : Jagrut Upadhyay 03/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.069 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

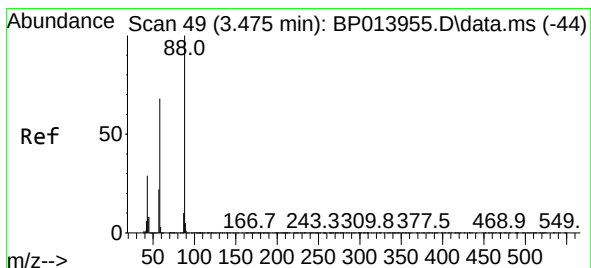
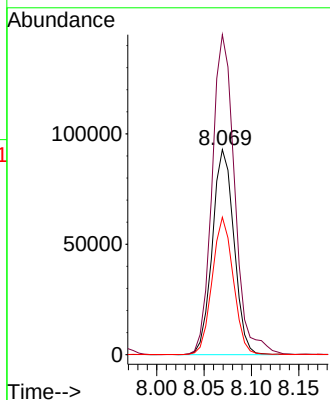
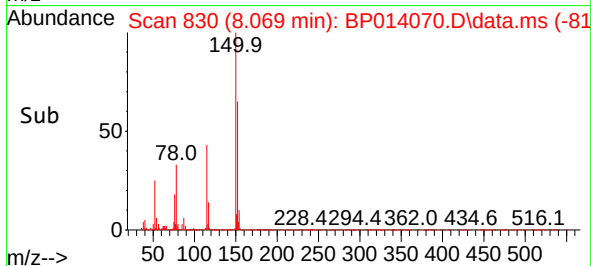
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:152 Resp: 147599
Ion Ratio Lower Upper
152 100
150 156.1 122.3 183.5
115 67.0 51.6 77.4

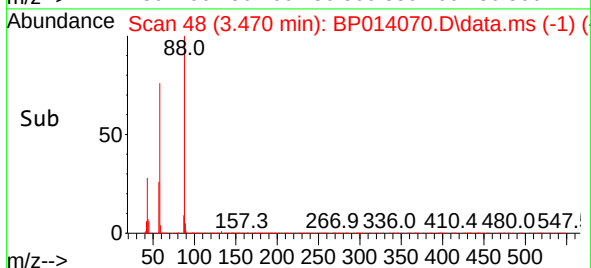
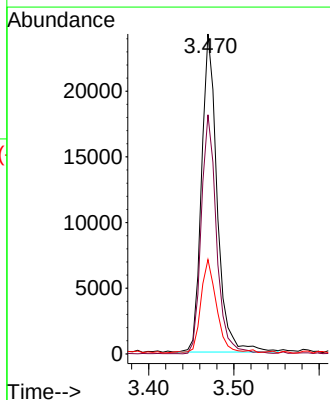
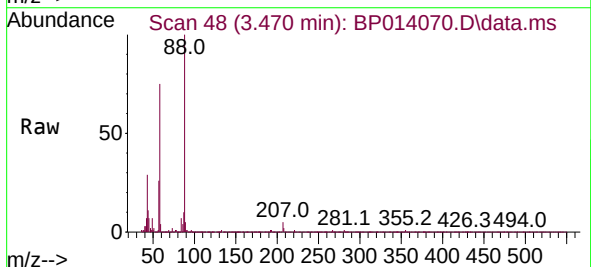
Manual Integrations
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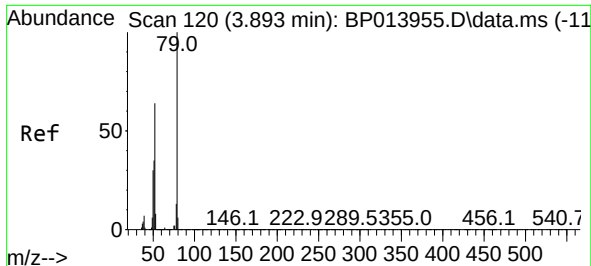
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#2
1,4-Dioxane
Concen: 7.812 ng
RT: 3.470 min Scan# 48
Delta R.T. 0.000 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion: 88 Resp: 30887
Ion Ratio Lower Upper
88 100
58 73.3 53.8 80.8
43 29.3 22.1 33.1





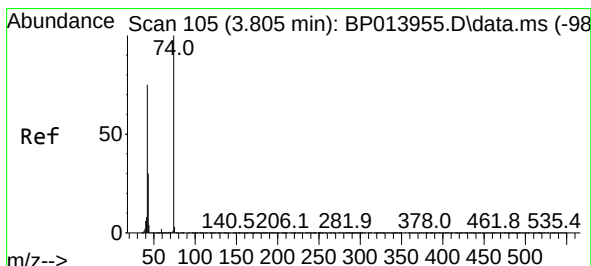
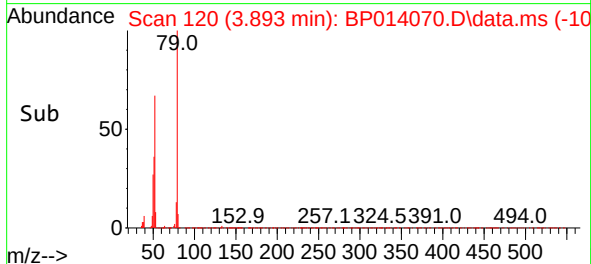
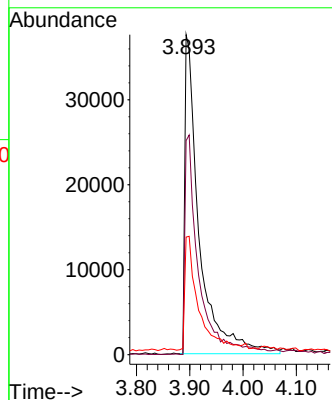
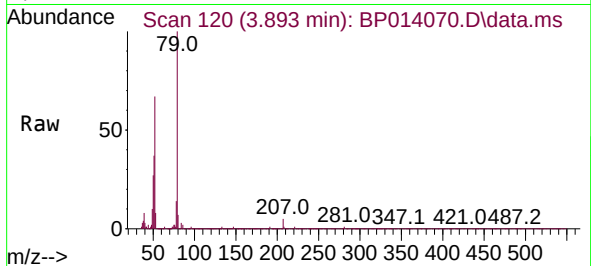
#3
Pyridine
Concen: 6.410 ng
RT: 3.893 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion: 79 Resp: 70379
Ion Ratio Lower Upper
79 100
52 66.9 51.0 76.4
51 36.7 28.2 42.2

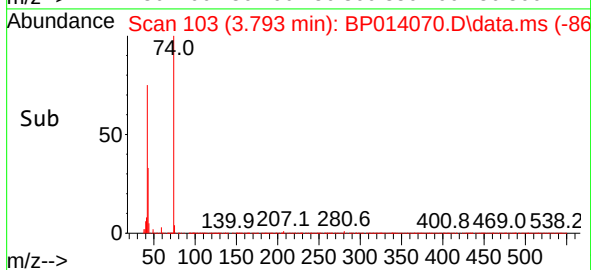
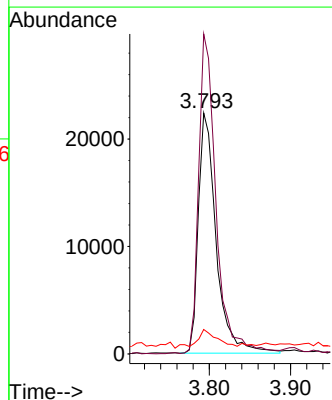
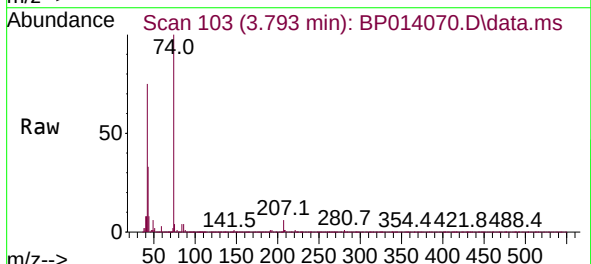
Manual Integrations
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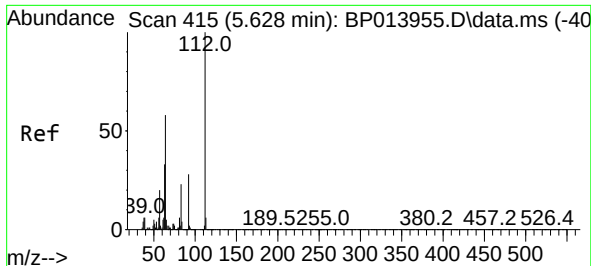
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#4
n-Nitrosodimethylamine
Concen: 7.018 ng
RT: 3.793 min Scan# 103
Delta R.T. 0.000 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

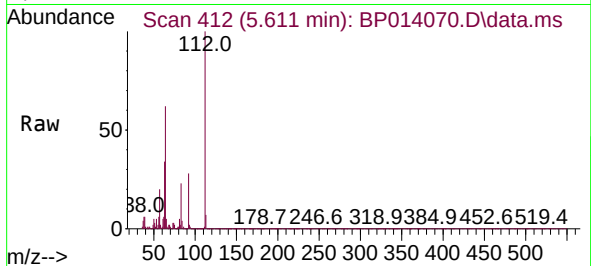
Tgt Ion: 42 Resp: 34204
Ion Ratio Lower Upper
42 100
74 132.8 107.0 160.6
44 10.2 4.5 6.7#





#5
2-Fluorophenol
Concen: 116.824 ng
RT: 5.611 min Scan# 411
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

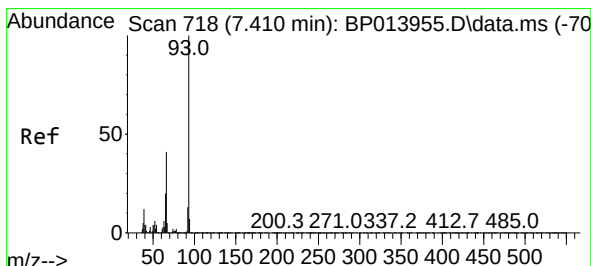
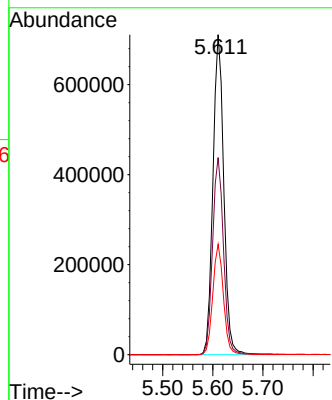
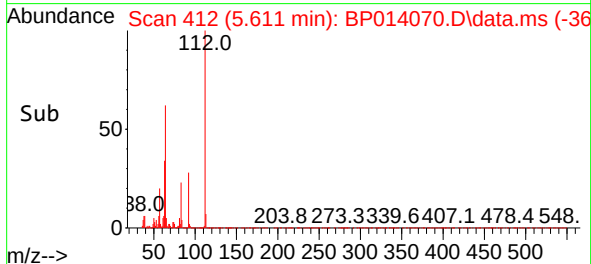
Instrument :
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LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:112 Resp: 106324
Ion Ratio Lower Upper
112 100
64 61.6 46.7 70.1
63 34.5 26.6 40.0

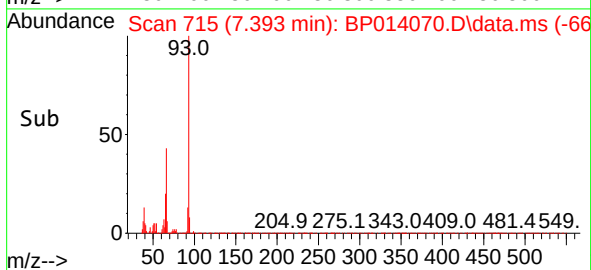
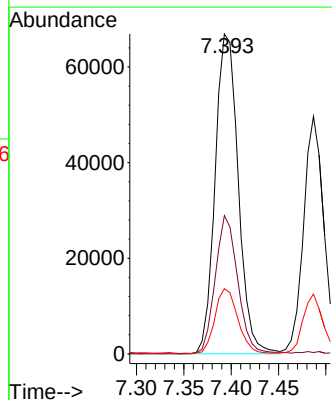
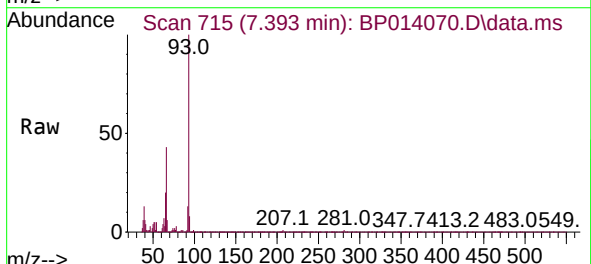
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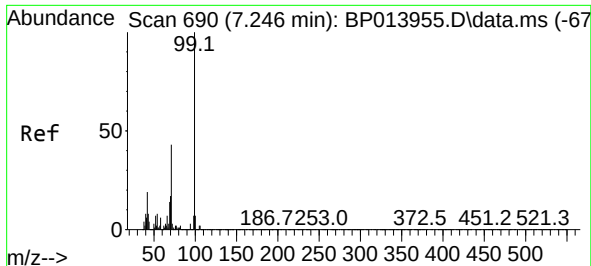
Reviewed By :Christian Giraldo 03/14/2023
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#6
Aniline
Concen: 7.237 ng
RT: 7.393 min Scan# 715
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

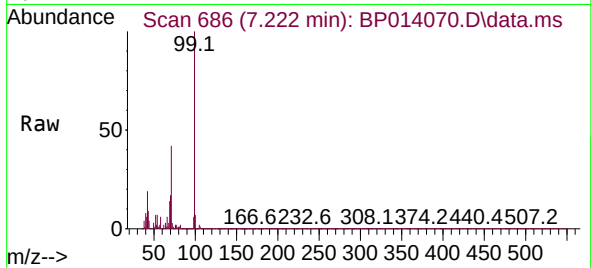
Tgt Ion: 93 Resp: 113600
Ion Ratio Lower Upper
93 100
66 43.2 32.6 48.8
65 20.4 16.0 24.0





#7
Phenol-d6
Concen: 113.724 ng
RT: 7.222 min Scan# 686
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

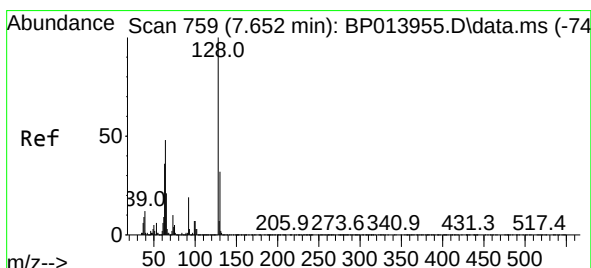
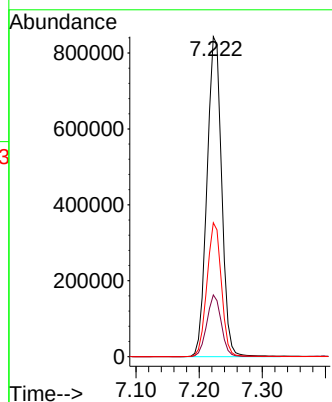
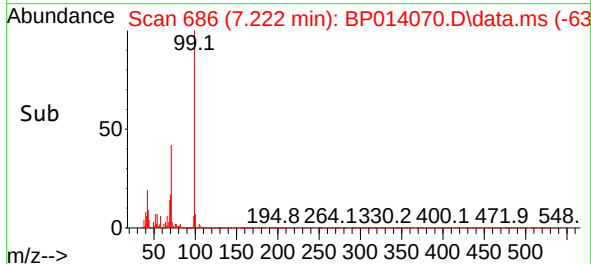
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Tgt Ion: 99 Resp: 1358914
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.6
71 41.8 34.3 51.5

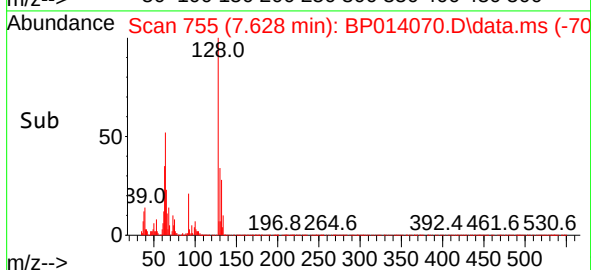
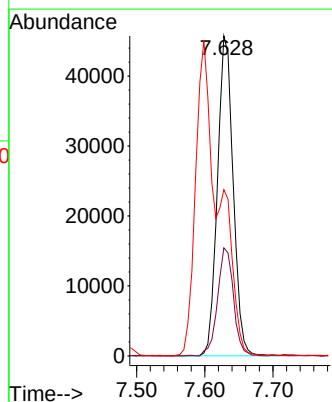
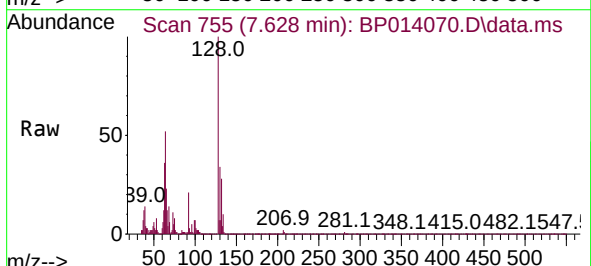
Manual Integrations
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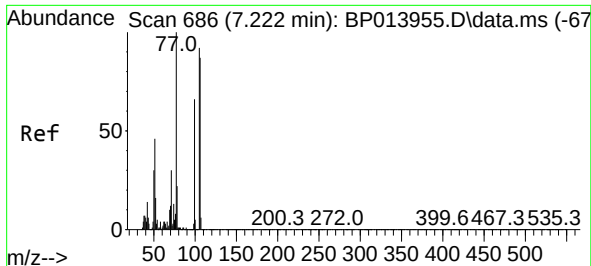
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#8
2-Chlorophenol
Concen: 7.474 ng
RT: 7.628 min Scan# 755
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:128 Resp: 72857
Ion Ratio Lower Upper
128 100
130 33.8 12.3 52.3
64 51.9 27.6 67.6





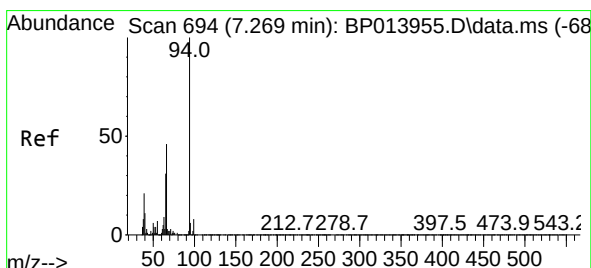
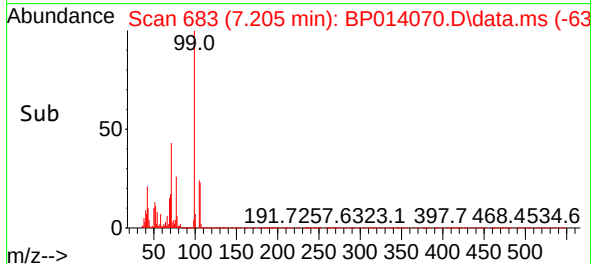
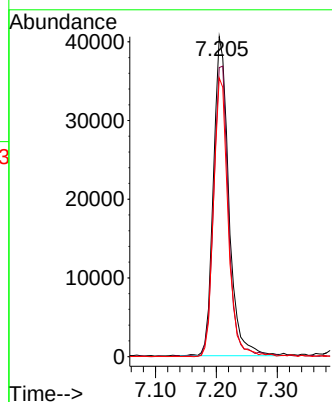
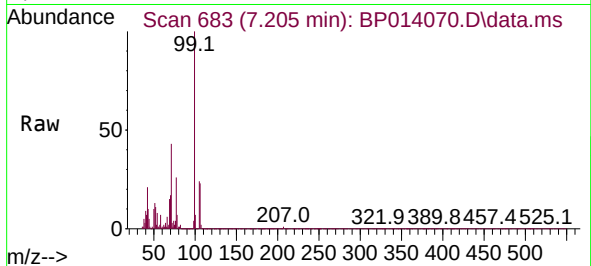
#9
Benzaldehyde
Concen: 11.927 ng
RT: 7.205 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion: 77	Resp: 7131
Ion Ratio	Lower Upper
77 100	
105 90.3	72.4 112.4
106 87.1	66.9 106.9

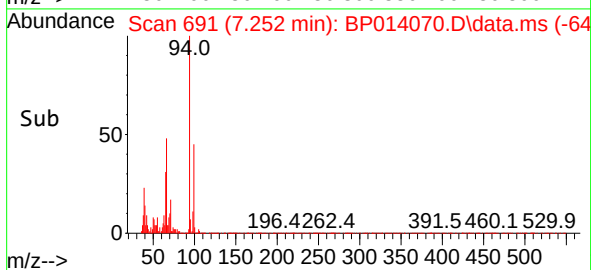
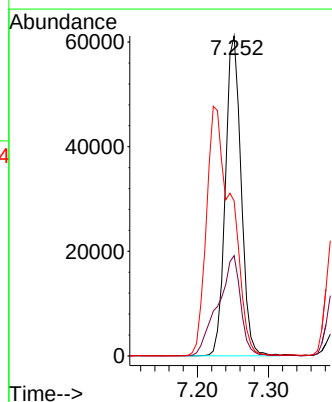
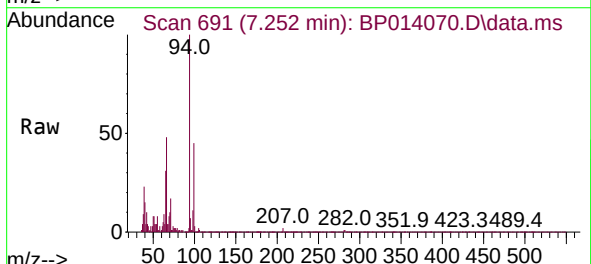
Manual Integrations
APPROVED

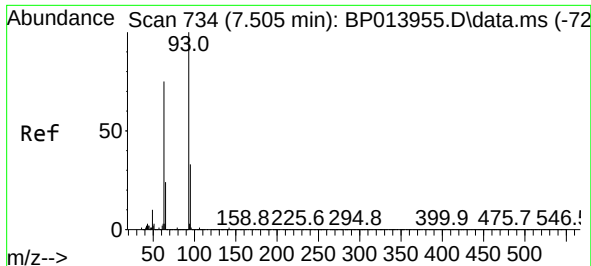
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#10
Phenol
Concen: 7.567 ng
RT: 7.252 min Scan# 691
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion: 94	Resp: 94109
Ion Ratio	Lower Upper
94 100	
65 31.3	10.9 50.9
66 48.4	26.1 66.1





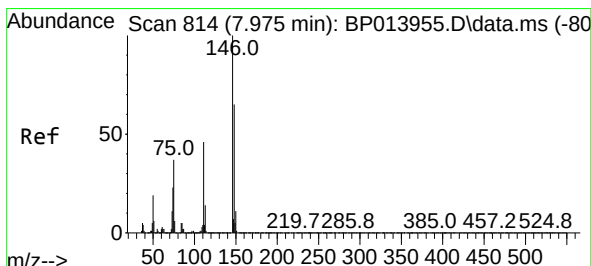
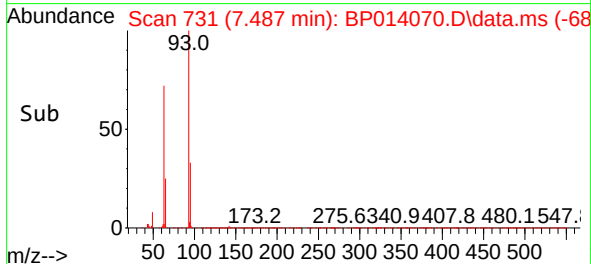
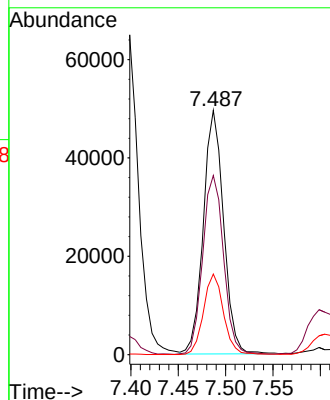
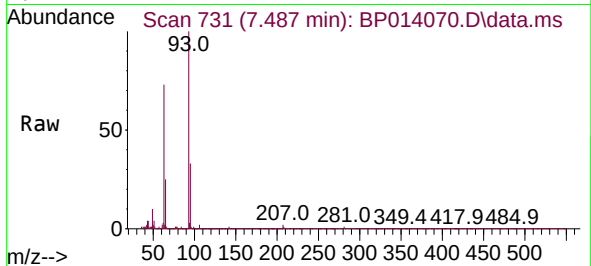
#11
bis(2-Chloroethyl)ether
Concen: 7.491 ng
RT: 7.487 min Scan# 731
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion: 93 Resp: 73758
Ion Ratio Lower Upper
93 100
63 73.3 54.2 94.2
95 33.0 12.7 52.7

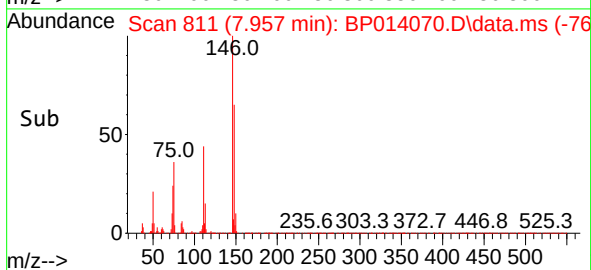
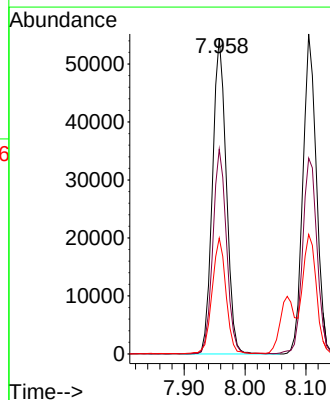
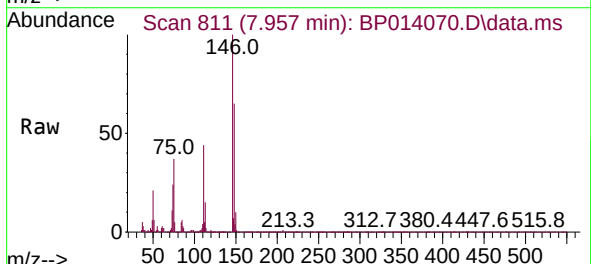
Manual Integrations
APPROVED

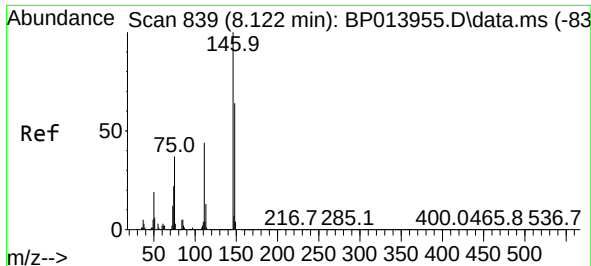
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#12
1,3-Dichlorobenzene
Concen: 7.995 ng
RT: 7.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:146 Resp: 85640
Ion Ratio Lower Upper
146 100
148 64.8 52.1 78.1
75 36.7 29.4 44.0





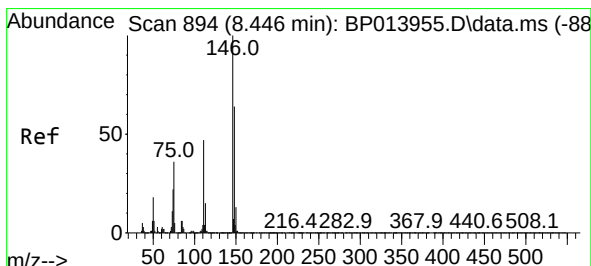
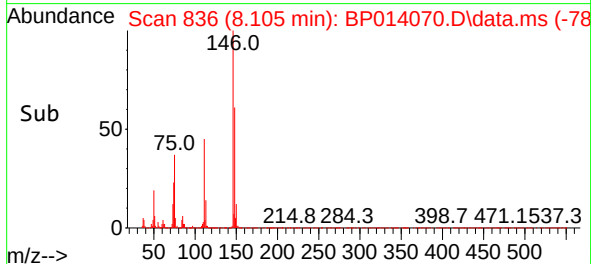
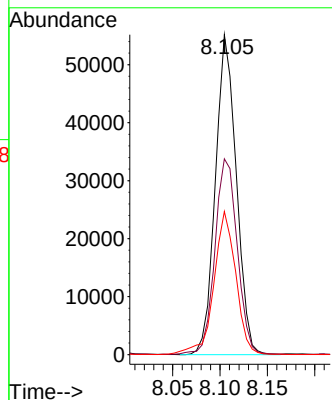
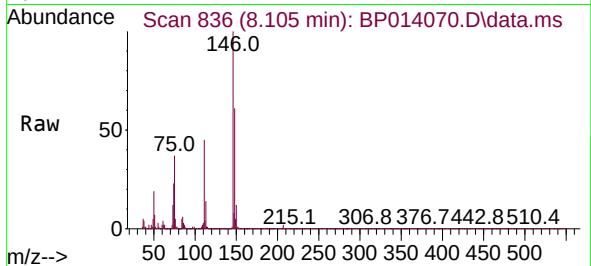
#13
1,4-Dichlorobenzene
Concen: 7.828 ng
RT: 8.105 min Scan# 841
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:146 Resp: 84835
Ion Ratio Lower Upper
146 100
148 61.2 51.4 77.2
111 44.7 35.1 52.7

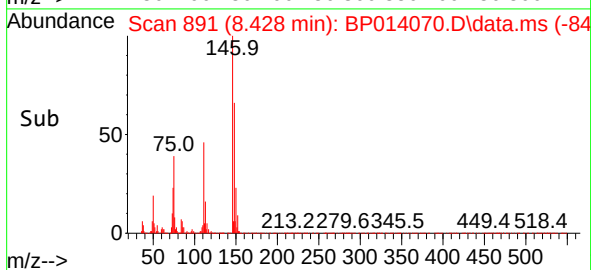
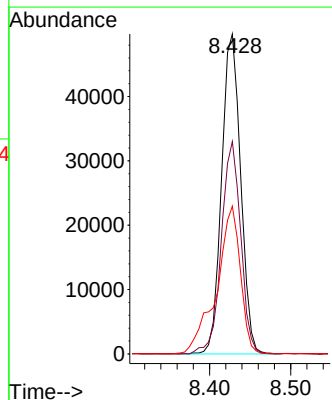
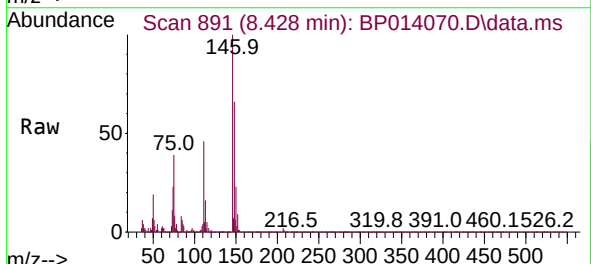
Manual Integrations
APPROVED

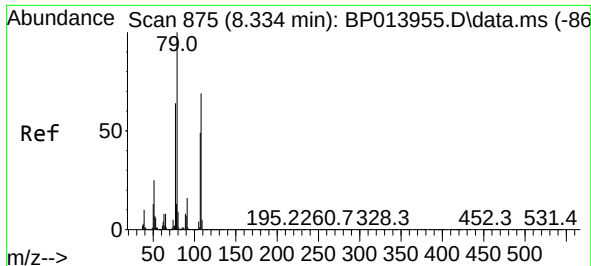
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#14
1,2-Dichlorobenzene
Concen: 7.788 ng
RT: 8.428 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

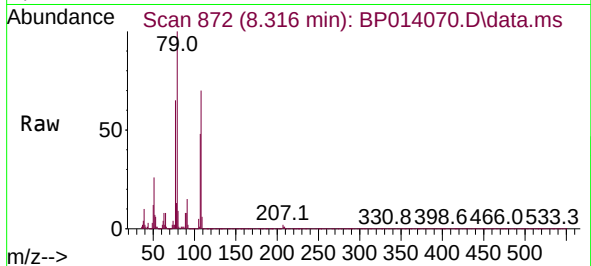
Tgt Ion:146 Resp: 80838
Ion Ratio Lower Upper
146 100
148 66.4 51.4 77.0
111 46.2 37.2 55.8





#15
Benzyl Alcohol
Concen: 6.643 ng
RT: 8.316 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

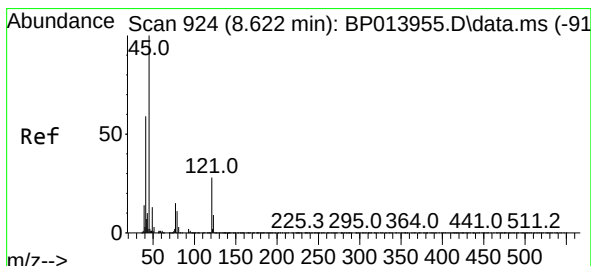
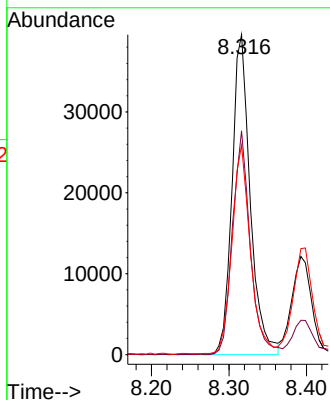
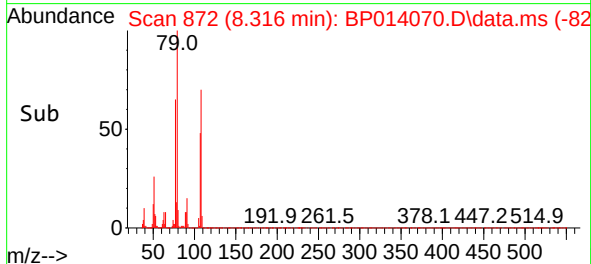
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 79 Resp: 64723
Ion Ratio Lower Upper
79 100
108 69.9 54.9 82.3
77 65.4 51.4 77.0

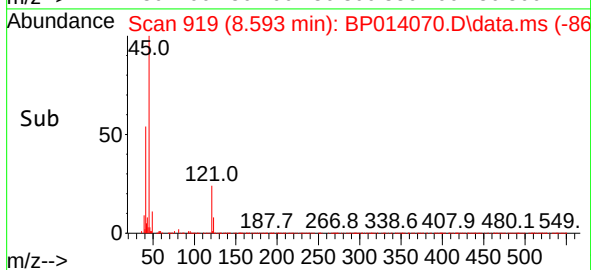
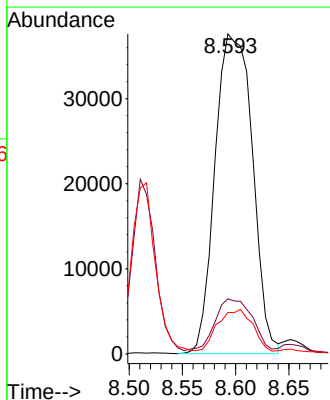
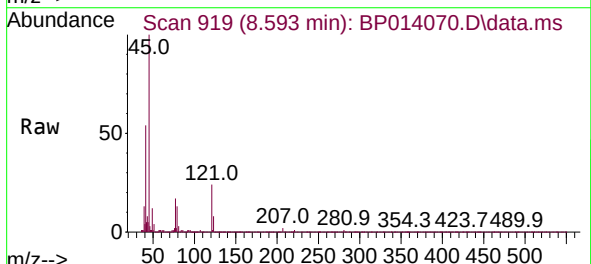
Manual Integrations
APPROVED

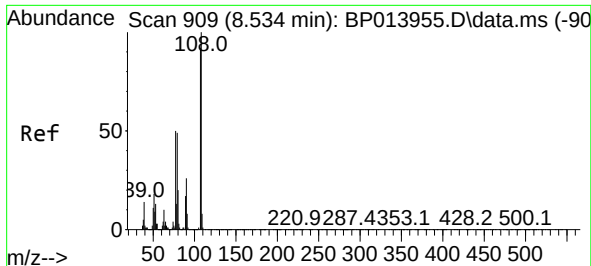
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.557 ng
RT: 8.593 min Scan# 919
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

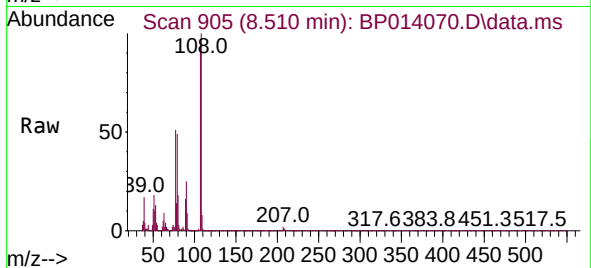
Tgt Ion: 45 Resp: 91729
Ion Ratio Lower Upper
45 100
77 17.2 0.0 38.7
79 13.0 0.0 34.4





#17
2-Methylphenol
Concen: 6.623 ng
RT: 8.510 min Scan# 909
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

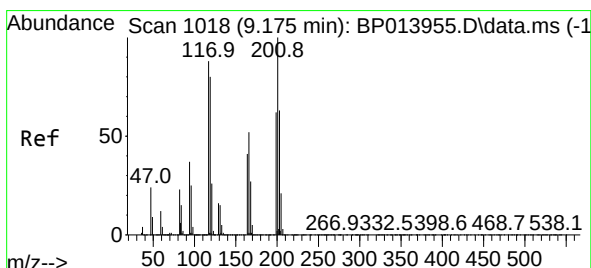
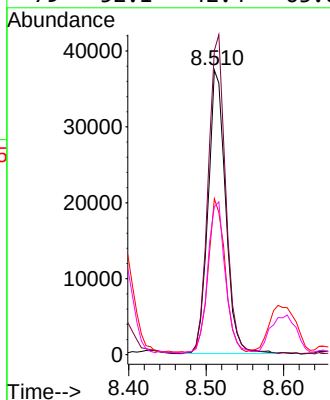
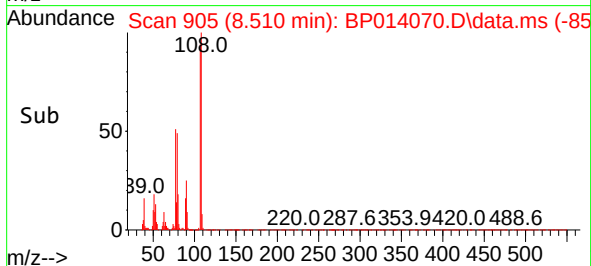
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



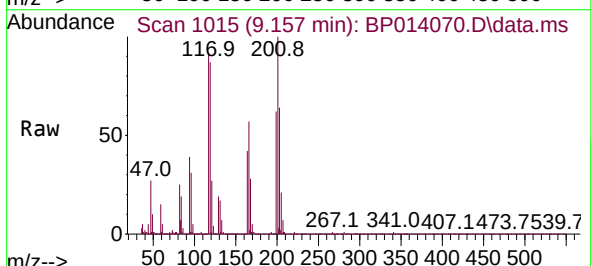
Tgt Ion:	107	Resp:	58746
Ion Ratio	Lower	Upper	
107	100		
108	106.9	87.0	130.4
77	54.8	44.0	66.0
79	52.1	42.4	63.6

Manual Integrations
APPROVED

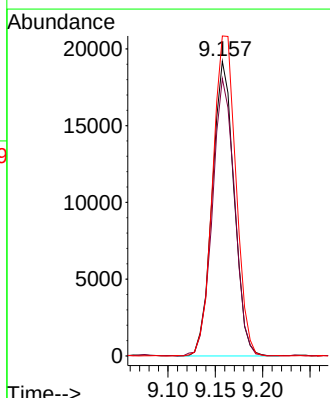
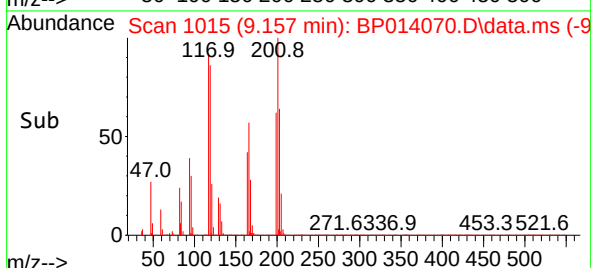
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

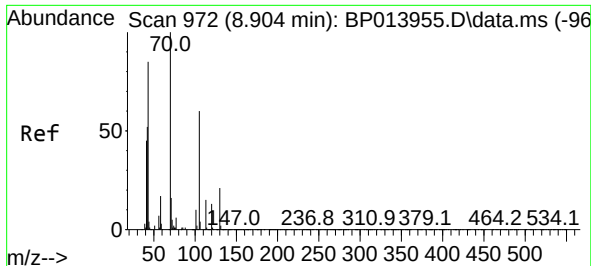


#18
Hexachloroethane
Concen: 7.552 ng
RT: 9.157 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07



Tgt Ion:	117	Resp:	30745
Ion Ratio	Lower	Upper	
117	100		
119	94.1	73.3	109.9
201	108.6	91.1	136.7





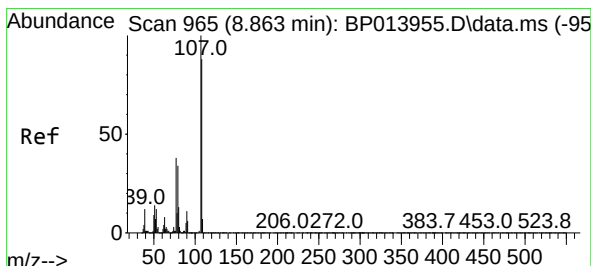
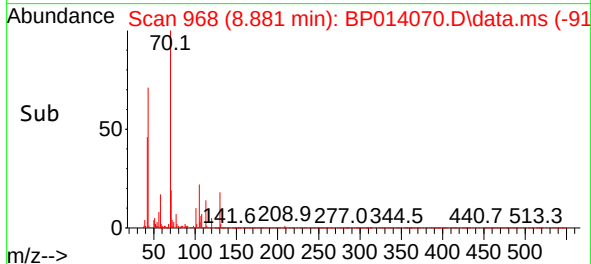
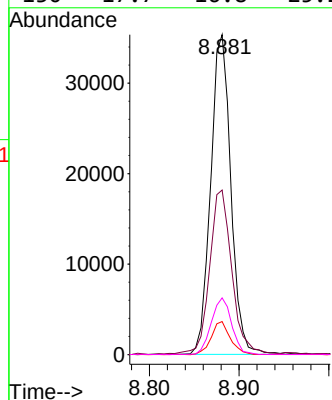
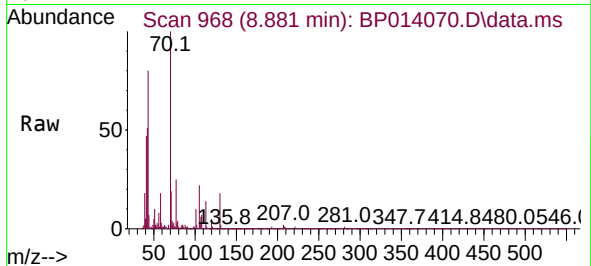
#19
n-Nitroso-di-n-propylamine
Concen: 7.019 ng
RT: 8.881 min Scan# 90
Delta R.T. -0.012 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:	70	Resp:	5520
Ion	Ratio	Lower	Upper
70	100		
42	51.4	42.4	63.6
101	10.3	8.2	12.4
130	17.7	16.8	25.2

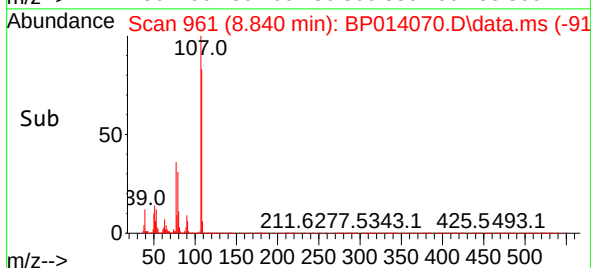
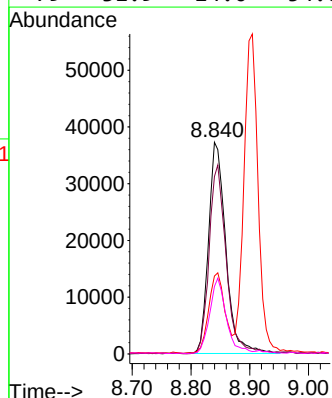
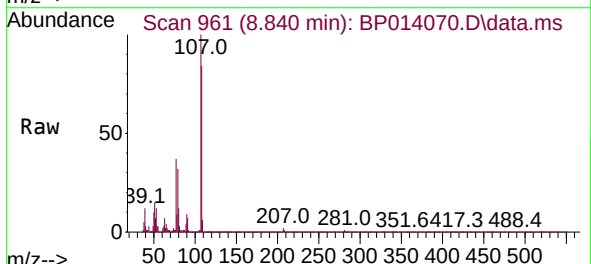
Manual Integrations
APPROVED

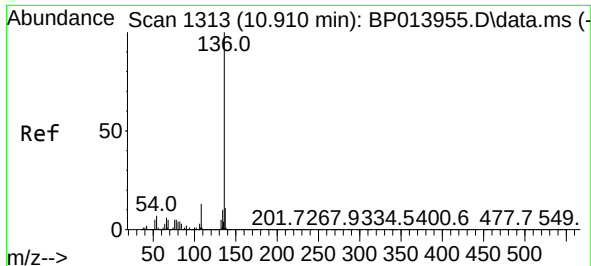
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#20
3+4-Methylphenols
Concen: 6.380 ng
RT: 8.840 min Scan# 961
Delta R.T. -0.012 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

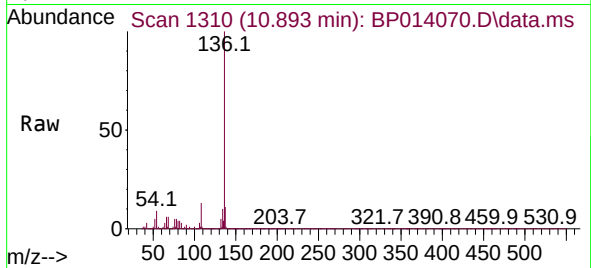
Tgt Ion:	107	Resp:	76214
Ion	Ratio	Lower	Upper
107	100		
108	83.8	68.2	108.2
77	36.8	18.1	58.1
79	31.9	14.0	54.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.893 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

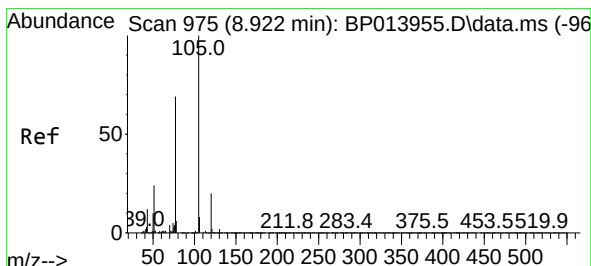
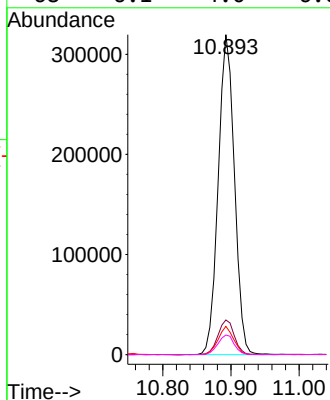
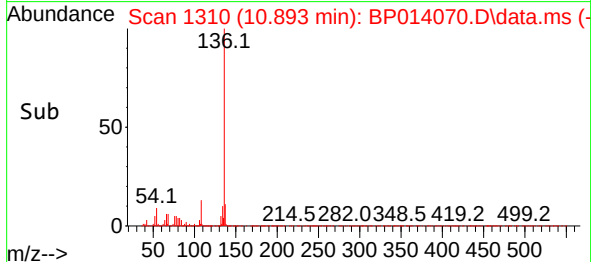
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:136 Resp: 524562
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.8 5.8 8.8
68 6.1 4.0 6.0

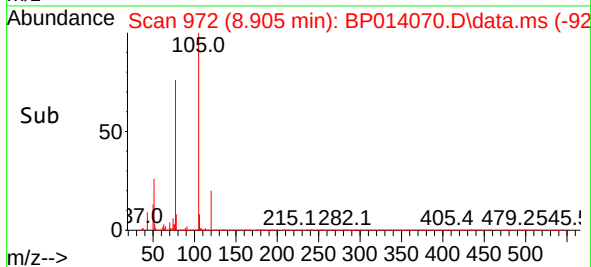
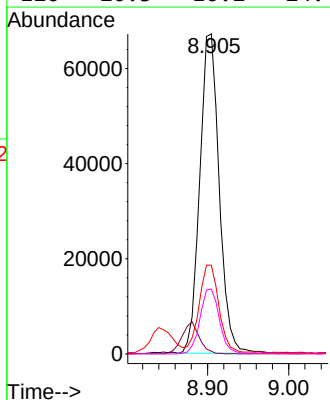
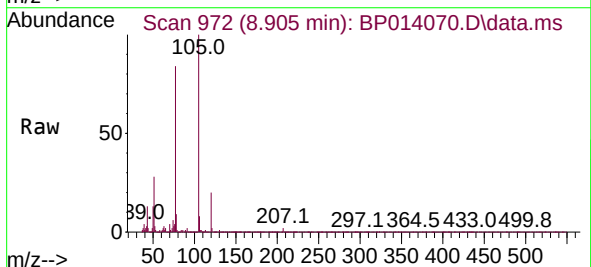
Manual Integrations
APPROVED

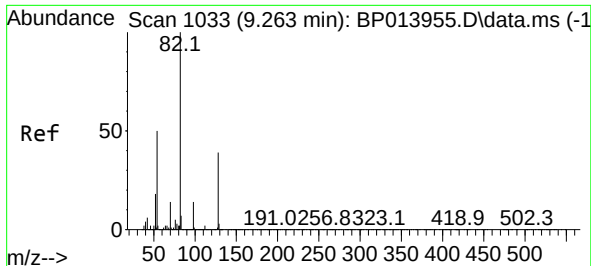
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#22
Acetophenone
Concen: 7.596 ng
RT: 8.905 min Scan# 972
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

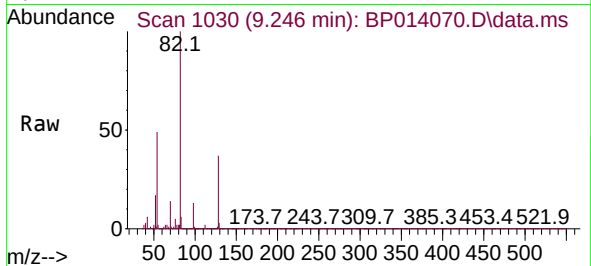
Tgt Ion:105 Resp: 111766
Ion Ratio Lower Upper
105 100
71 0.8 1.4 2.0
51 27.7 21.5 32.3
120 20.3 16.2 24.4





#23
Nitrobenzene-d5
Concen: 87.982 ng
RT: 9.246 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

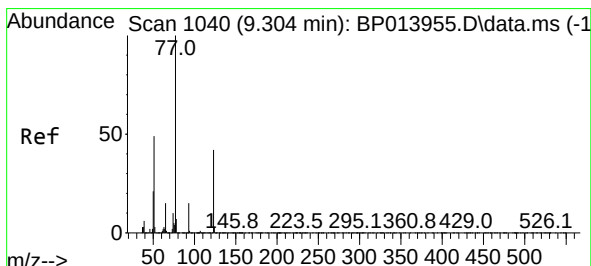
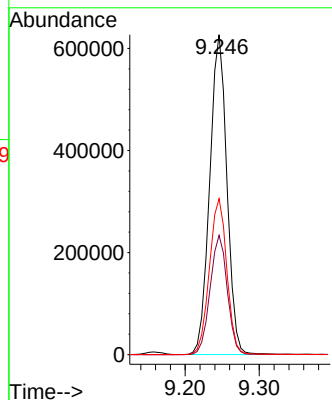
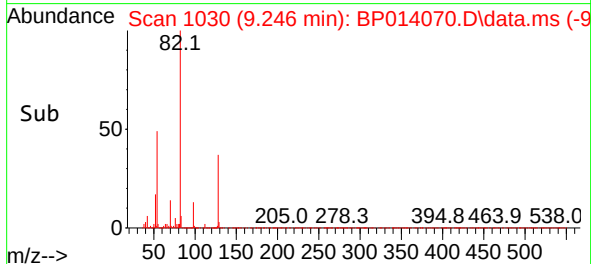
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 82 Resp: 1009778
Ion Ratio Lower Upper
82 100
128 37.3 31.1 46.7
54 48.7 40.0 60.0

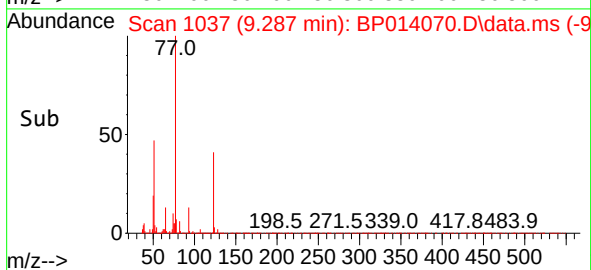
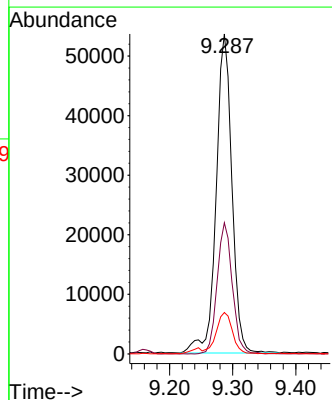
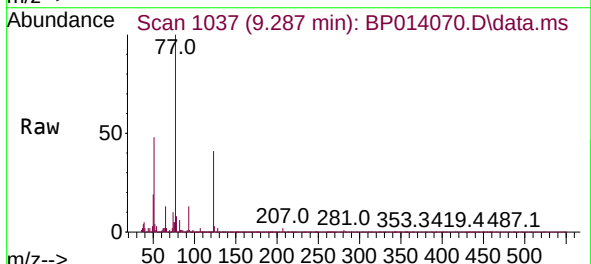
Manual Integrations
APPROVED

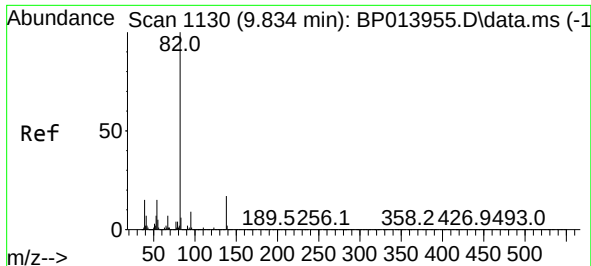
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#24
Nitrobenzene
Concen: 7.930 ng
RT: 9.287 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion: 77 Resp: 93127
Ion Ratio Lower Upper
77 100
123 41.0 33.6 50.4
65 12.9 11.6 17.4





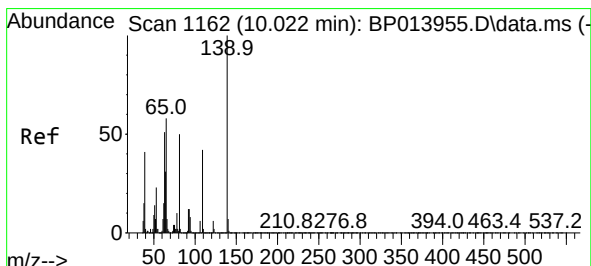
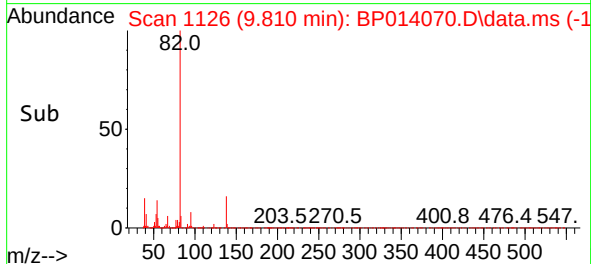
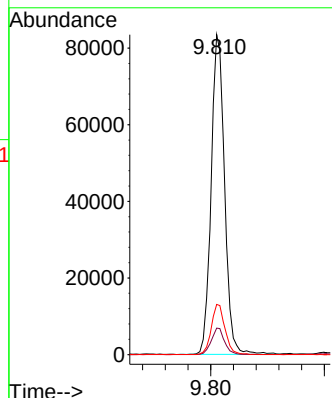
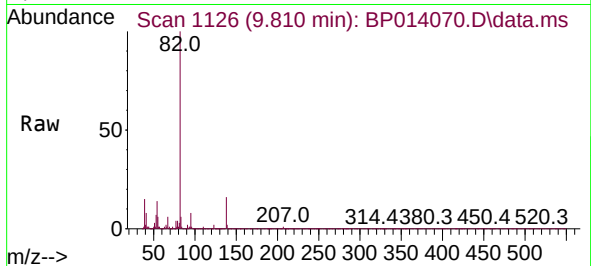
#25
Isophorone
Concen: 6.507 ng
RT: 9.810 min Scan# 1130
Delta R.T. -0.012 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion: 82 Resp: 137611
Ion Ratio Lower Upper
82 100
95 8.3 6.9 10.3
138 15.7 13.3 19.9

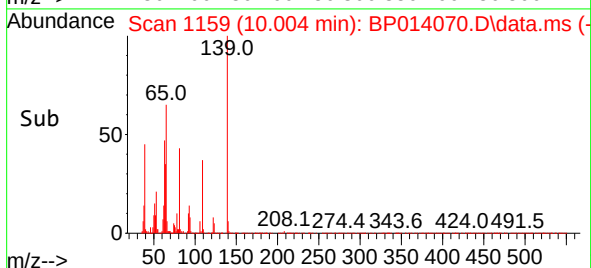
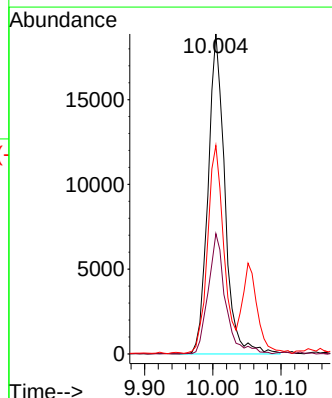
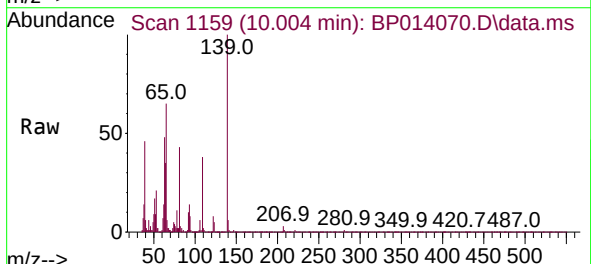
Manual Integrations
APPROVED

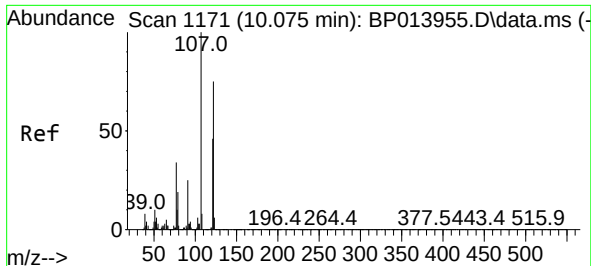
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#26
2-Nitrophenol
Concen: 6.340 ng
RT: 10.004 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

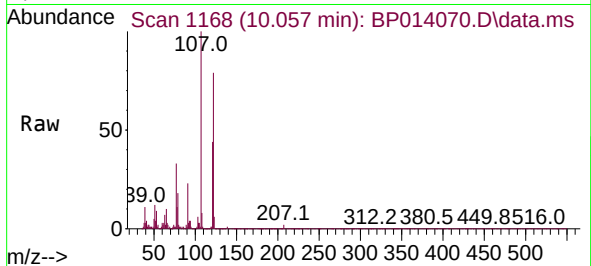
Tgt Ion:139 Resp: 32386
Ion Ratio Lower Upper
139 100
109 37.6 33.8 50.8
65 65.1 46.6 70.0





#27
2,4-Dimethylphenol
Concen: 7.214 ng
RT: 10.057 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

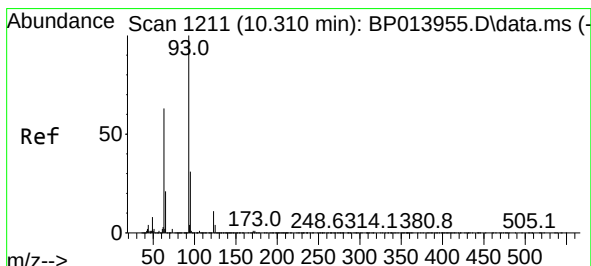
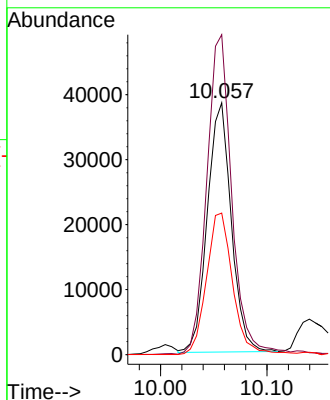
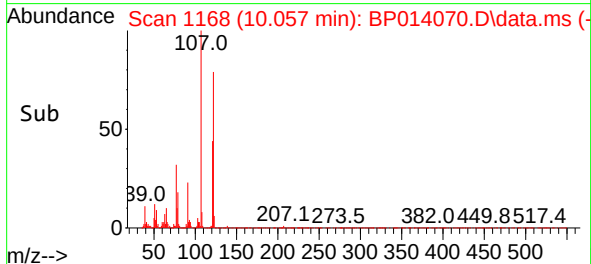
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:122 Resp: 59918
Ion Ratio Lower Upper
122 100
107 127.1 105.9 158.9
121 56.2 49.0 73.4

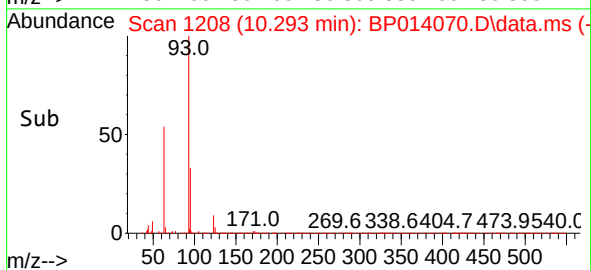
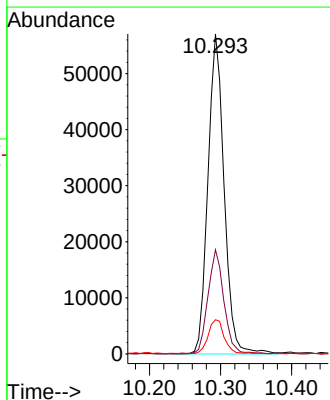
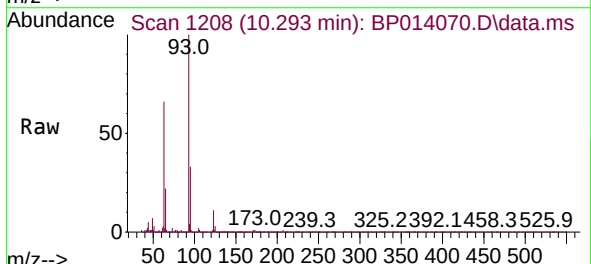
Manual Integrations
APPROVED

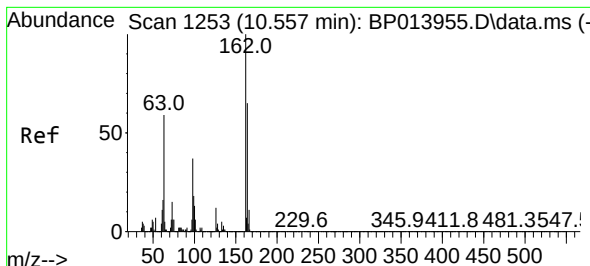
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#28
bis(2-Chloroethoxy)methane
Concen: 7.364 ng
RT: 10.293 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion: 93 Resp: 90129
Ion Ratio Lower Upper
93 100
95 32.5 25.0 37.6
123 10.7 8.6 12.8





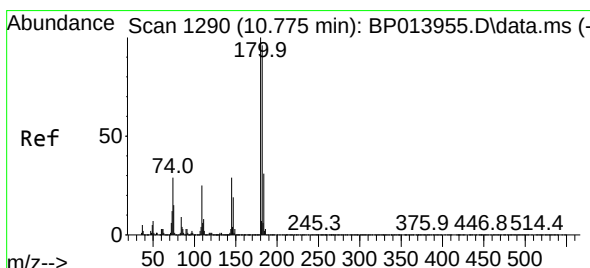
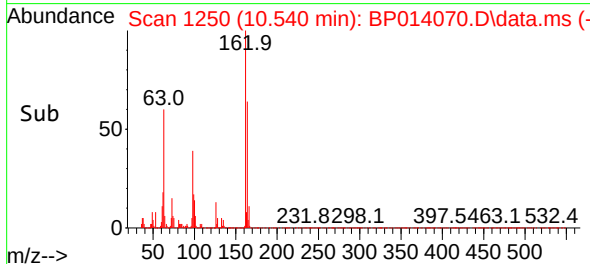
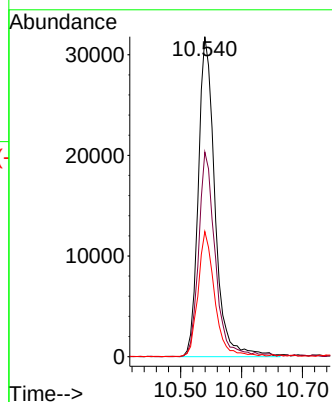
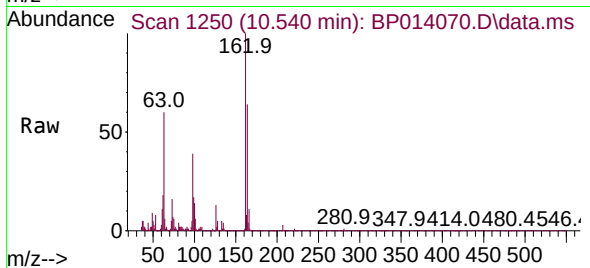
#29
2,4-Dichlorophenol
Concen: 6.631 ng
RT: 10.540 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:162 Resp: 60288
Ion Ratio Lower Upper
162 100
164 63.9 44.7 84.7
98 39.1 17.0 57.0

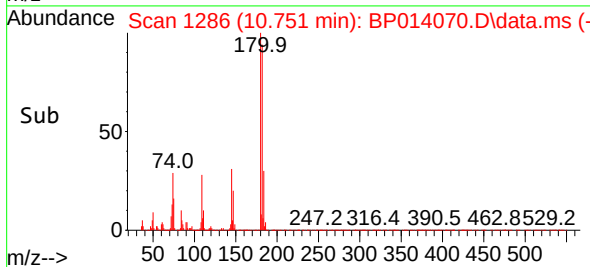
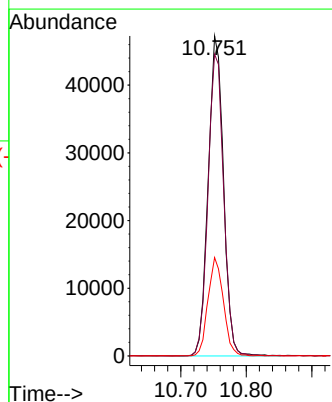
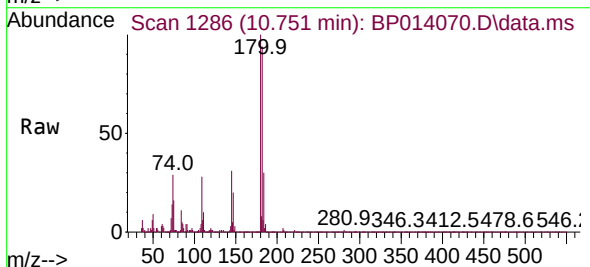
Manual Integrations
APPROVED

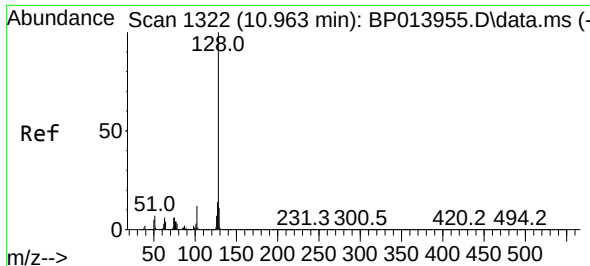
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#30
1,2,4-Trichlorobenzene
Concen: 7.423 ng
RT: 10.751 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:180 Resp: 76619
Ion Ratio Lower Upper
180 100
182 94.3 76.6 114.8
145 30.7 23.5 35.3





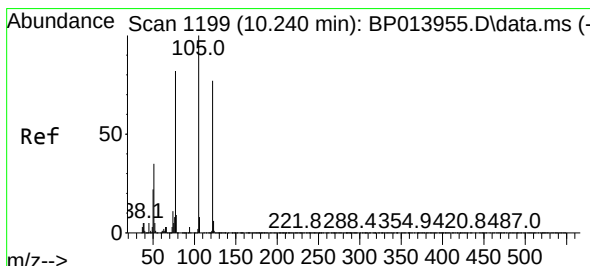
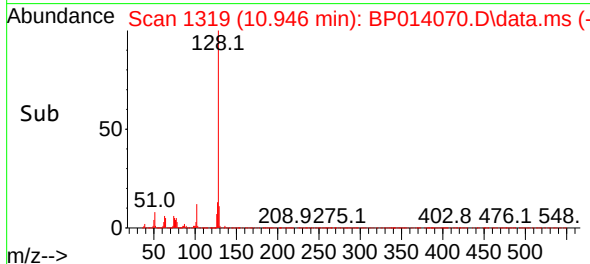
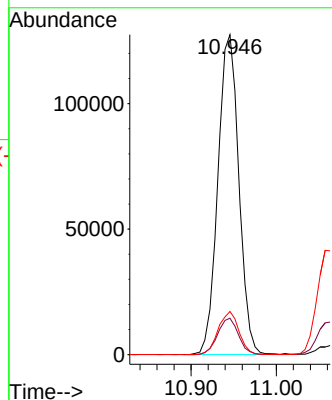
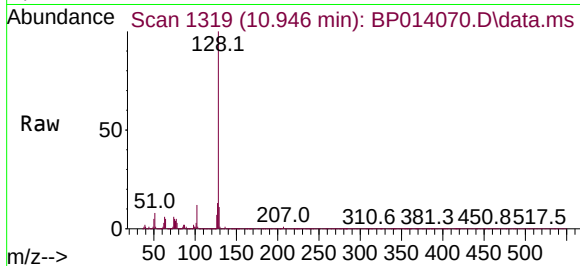
#31
Naphthalene
Concen: 7.545 ng
RT: 10.946 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:128 Resp: 217475
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.5 11.2 16.8

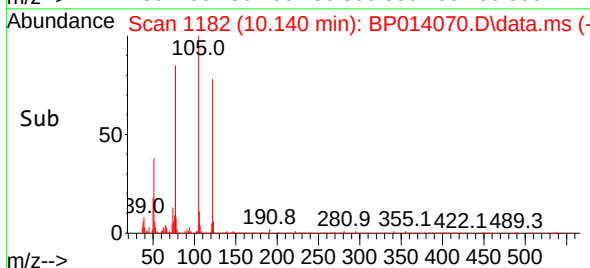
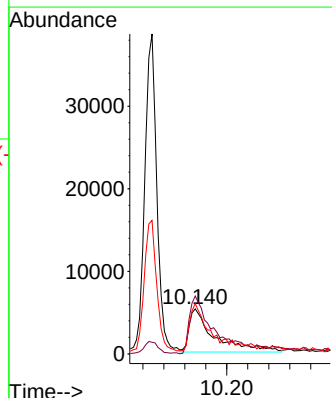
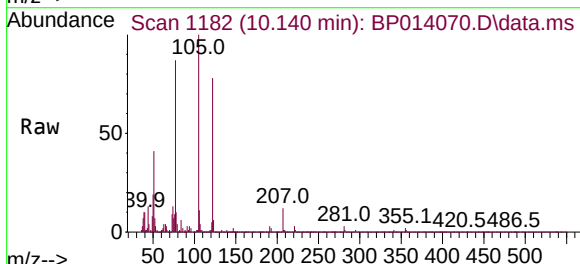
Manual Integrations
APPROVED

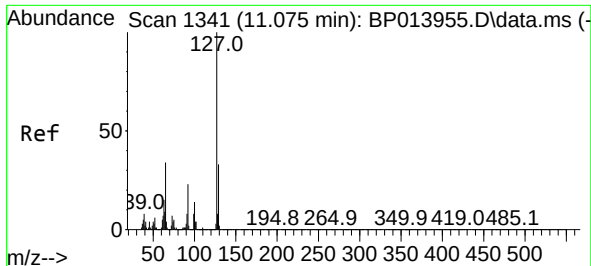
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#32
Benzoic acid
Concen: 5.097 ng m
RT: 10.140 min Scan# 1182
Delta R.T. -0.071 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:122 Resp: 17475
Ion Ratio Lower Upper
122 100
105 128.4 108.2 148.2
77 111.6 85.2 125.2





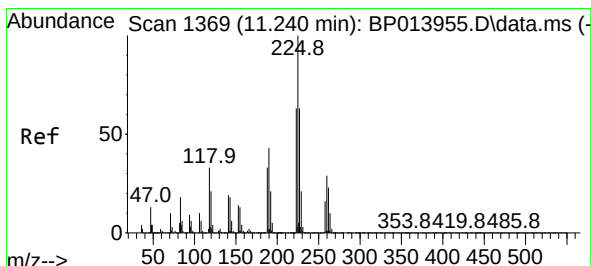
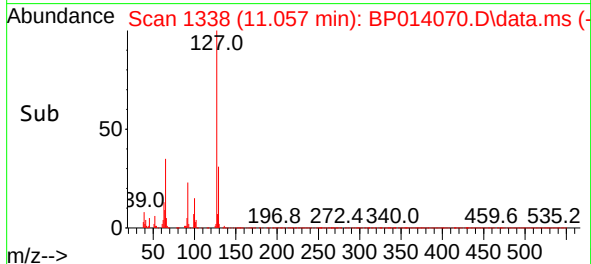
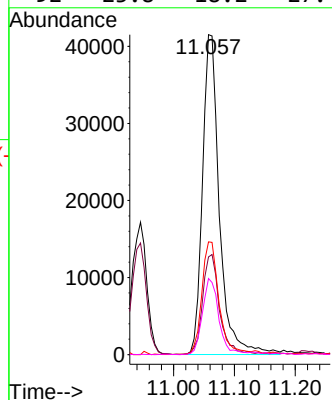
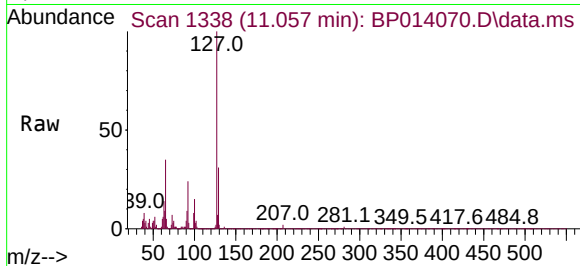
#33
4-Chloroaniline
Concen: 6.479 ng
RT: 11.057 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.5	26.2	39.2
65	35.2	27.0	40.4
92	23.8	18.2	27.4

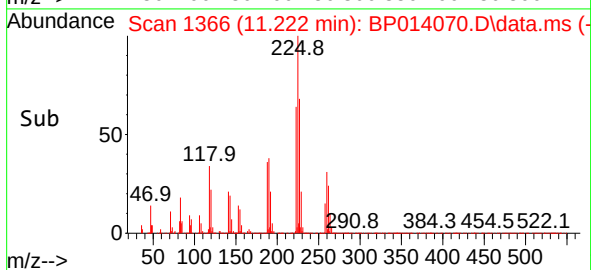
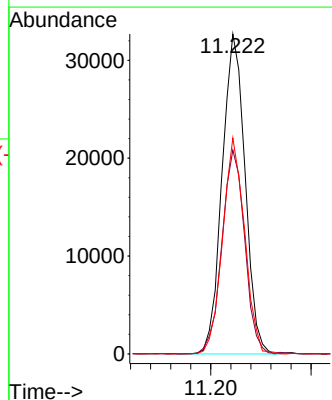
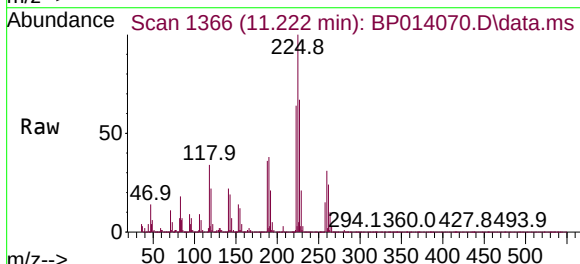
Manual Integrations
APPROVED

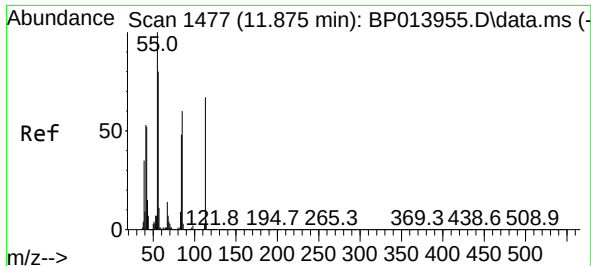
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#34
Hexachlorobutadiene
Concen: 6.919 ng
RT: 11.222 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

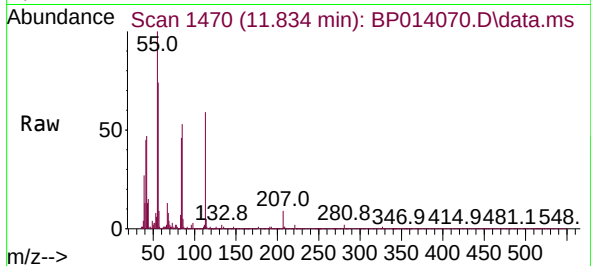
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	76.0
227	67.5	50.2	75.4





#35
Caprolactam
Concen: 5.452 ng
RT: 11.834 min Scan# 1477
Delta R.T. -0.023 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

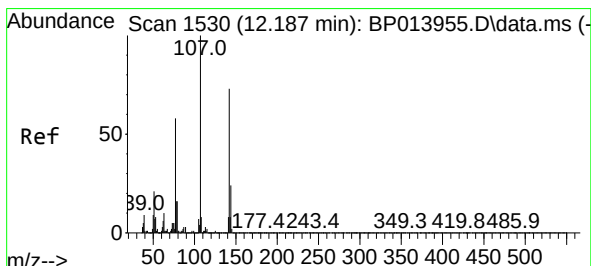
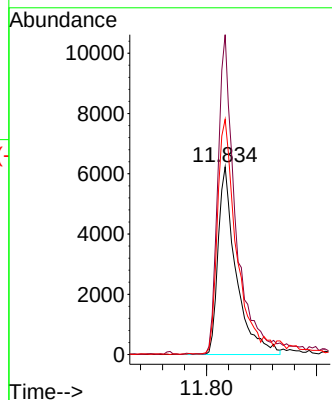
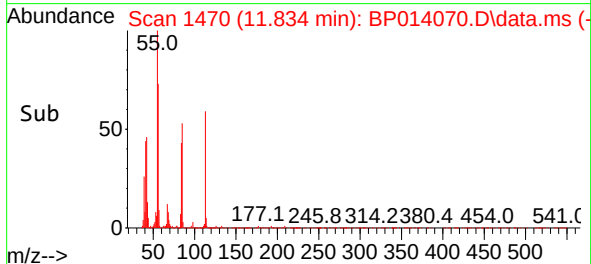
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:113 Resp: 14189
Ion Ratio Lower Upper
113 100
55 170.4 128.9 168.9
56 125.3 99.6 139.6

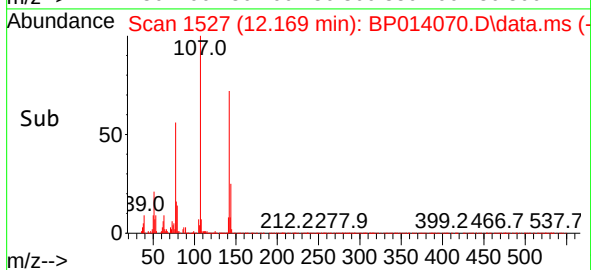
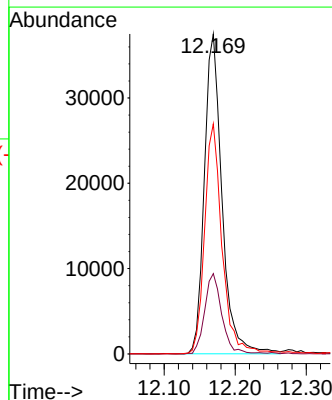
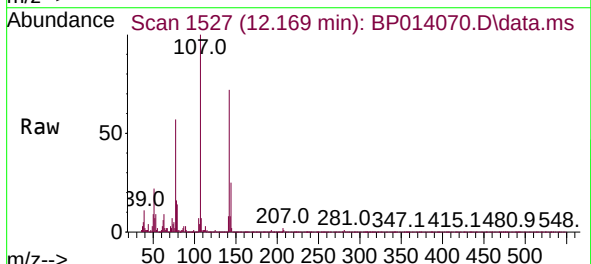
Manual Integrations
APPROVED

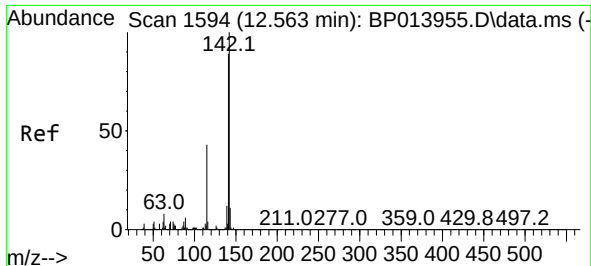
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#36
4-Chloro-3-methylphenol
Concen: 6.374 ng
RT: 12.169 min Scan# 1527
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:107 Resp: 64635
Ion Ratio Lower Upper
107 100
144 25.1 19.3 28.9
142 71.9 58.5 87.7





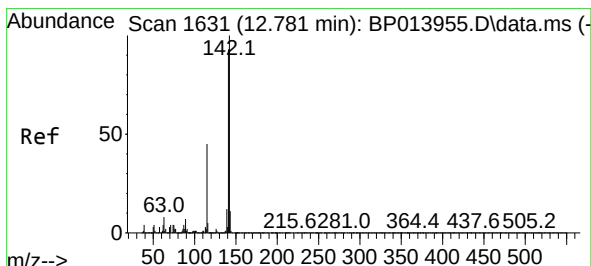
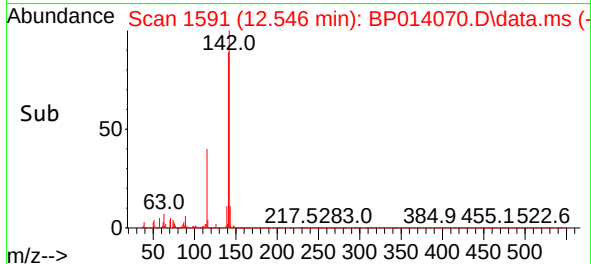
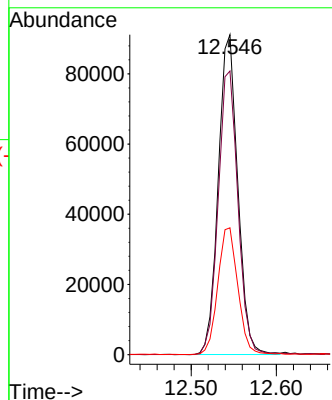
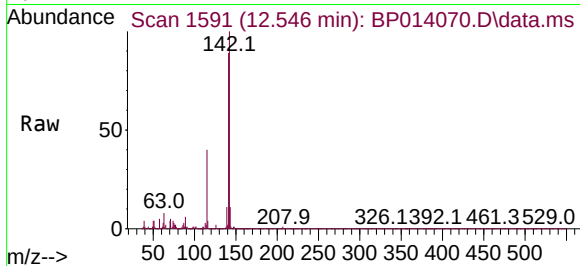
#37
2-Methylnaphthalene
Concen: 6.810 ng
RT: 12.546 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:142 Resp: 144825
Ion Ratio Lower Upper
142 100
141 88.6 71.0 106.4
115 39.6 34.5 51.7

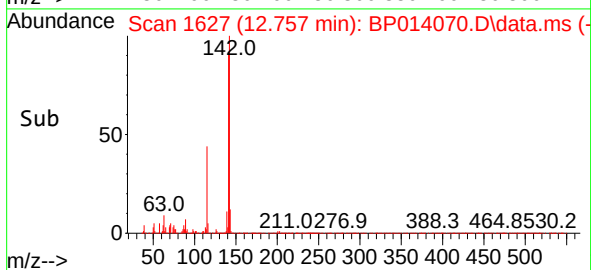
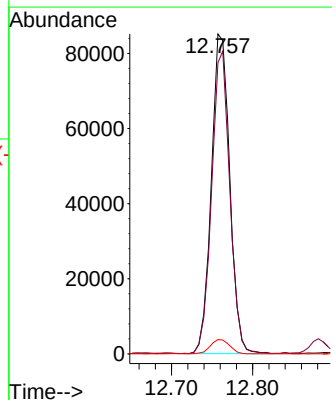
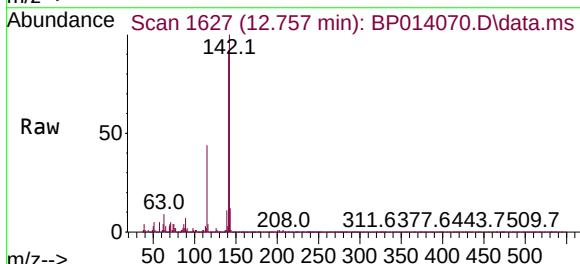
Manual Integrations
APPROVED

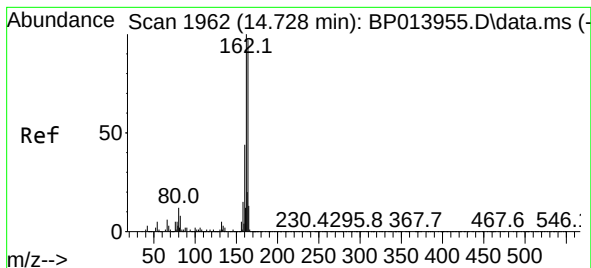
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#38
1-Methylnaphthalene
Concen: 6.775 ng
RT: 12.757 min Scan# 1627
Delta R.T. -0.012 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:142 Resp: 134300
Ion Ratio Lower Upper
142 100
141 91.0 74.4 111.6
116 4.5 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: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

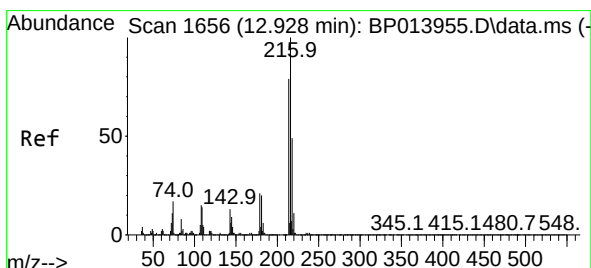
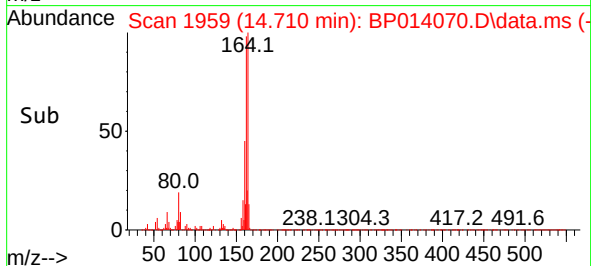
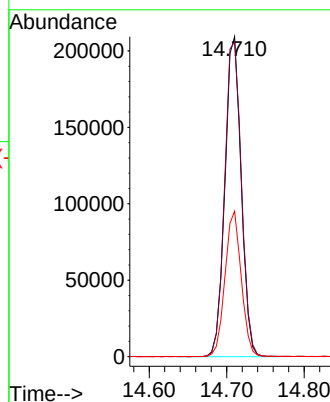
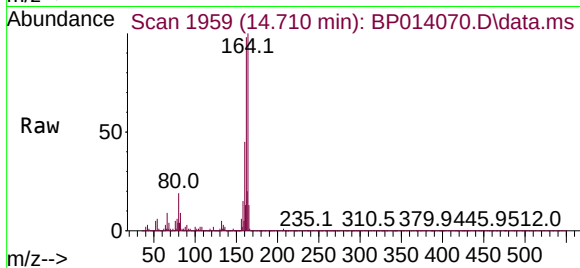
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	164	Resp:	304692
Ion Ratio	Lower	Upper	
164	100		
162	98.3	82.1	123.1
160	45.5	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: 7.562 ng

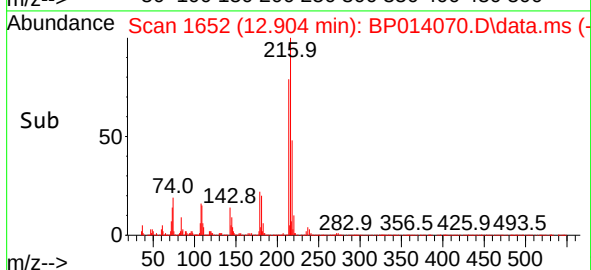
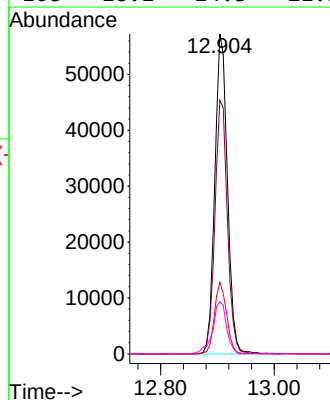
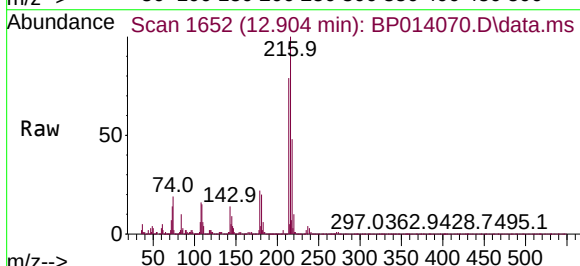
RT: 12.904 min Scan# 1652

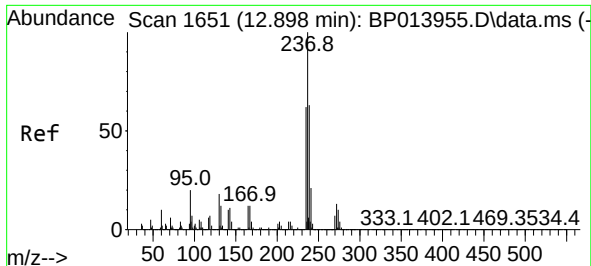
Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

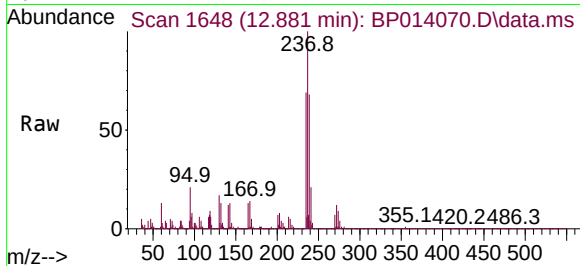
Tgt Ion:	216	Resp:	87822
Ion Ratio	Lower	Upper	
216	100		
214	79.0	62.2	93.2
179	21.6	16.6	24.8
108	18.1	14.3	21.5





#41
Hexachlorocyclopentadiene
Concen: 6.615 ng
RT: 12.881 min Scan# 1648
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

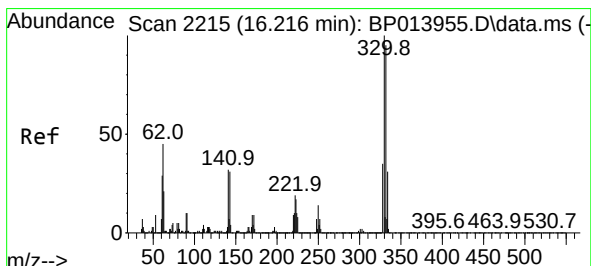
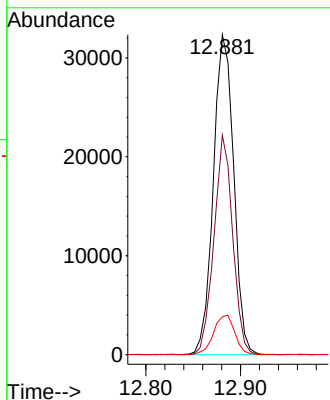
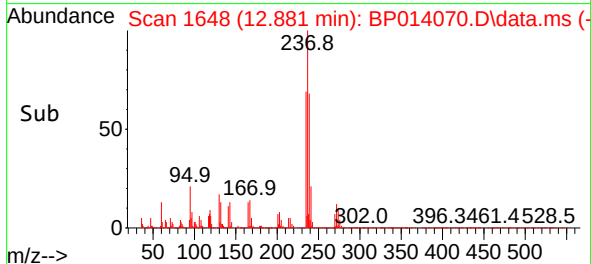
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 237 Resp: 48215
Ion Ratio Lower Upper
237 100
235 68.6 41.9 81.9
272 11.9 0.0 32.6

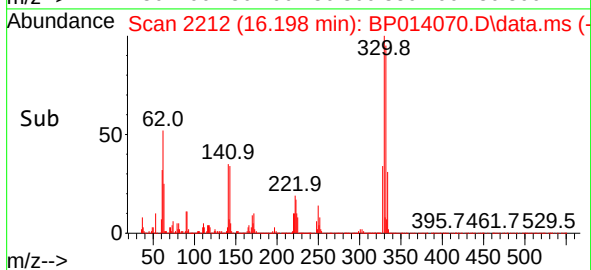
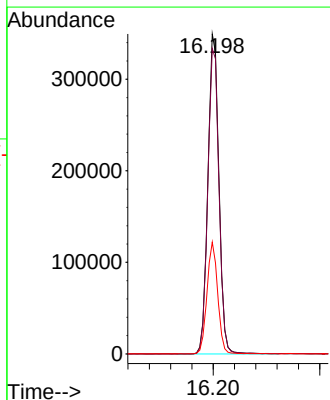
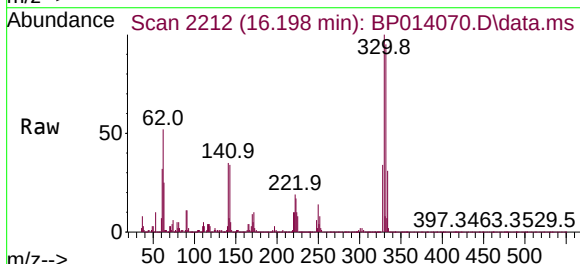
Manual Integrations
APPROVED

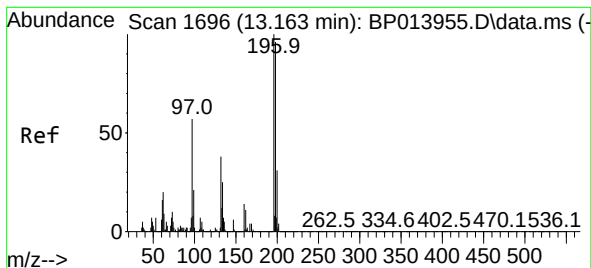
Reviewed By : Christian Giraldo 03/14/2023
Supervised By : Jagrut Upadhyay 03/14/2023



#42
2,4,6-Tribromophenol
Concen: 101.760 ng
RT: 16.198 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion: 330 Resp: 502707
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 34.0 25.6 38.4





#43

2,4,6-Trichlorophenol

Concen: 6.569 ng

RT: 13.145 min Scan# 1696

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

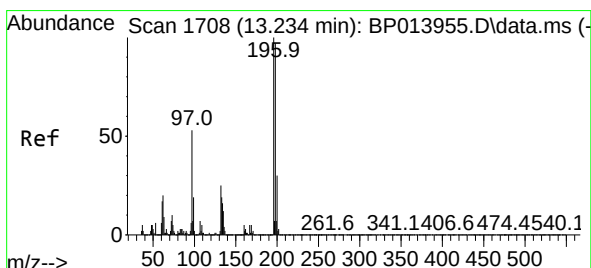
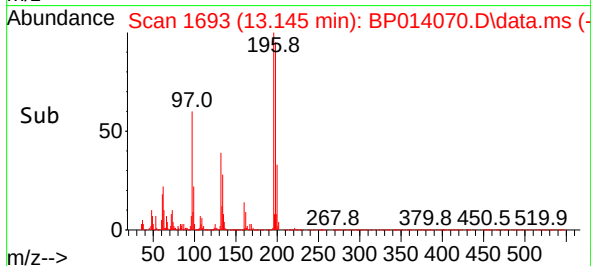
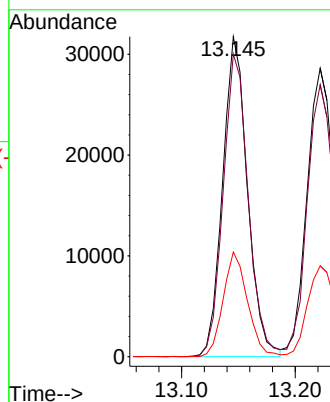
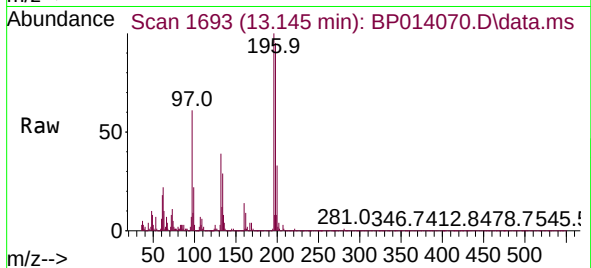
Tgt Ion:196	Resp:	4822	
Ion Ratio	Lower	Upper	
196	100		
198	94.6	76.7	115.1
200	32.7	25.2	37.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#44

2,4,5-Trichlorophenol

Concen: 5.958 ng

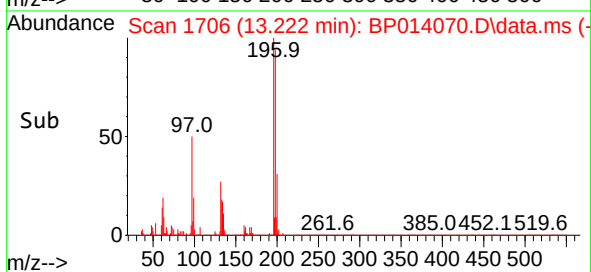
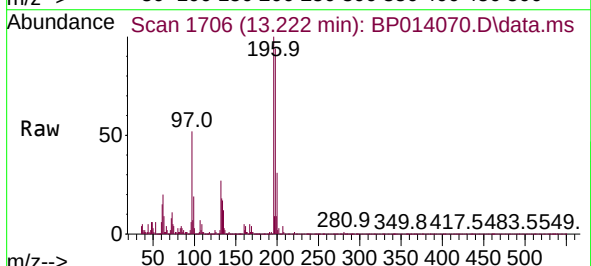
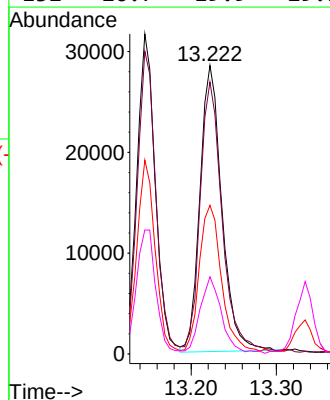
RT: 13.222 min Scan# 1706

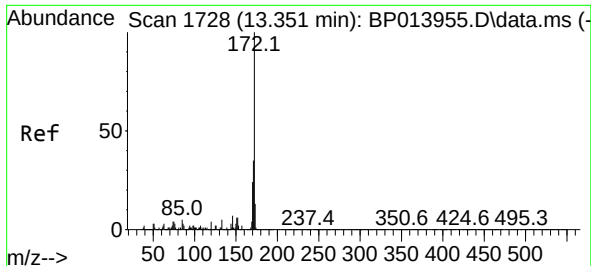
Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:196	Resp:	50680	
Ion Ratio	Lower	Upper	
196	100		
198	94.3	77.5	116.3
97	51.5	42.6	64.0
132	26.7	19.9	29.9





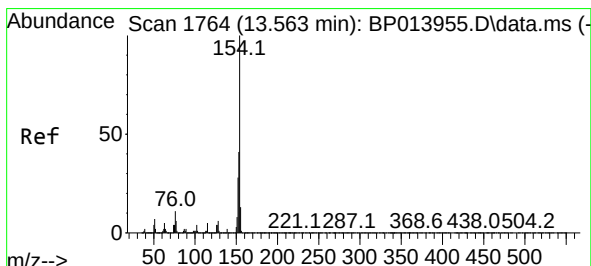
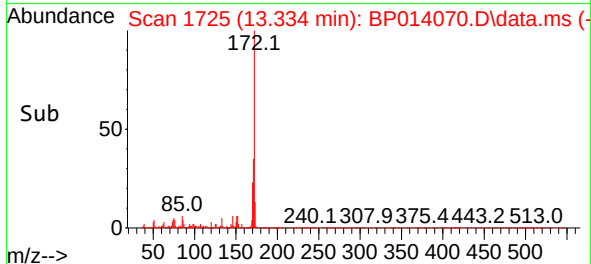
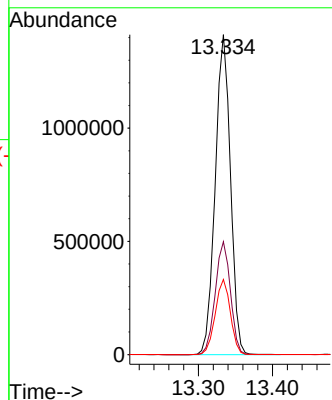
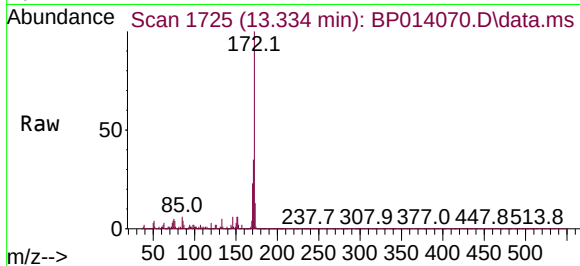
#45
2-Fluorobiphenyl
Concen: 85.605 ng
RT: 13.334 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:172 Resp: 2013244
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.5 19.0 28.4

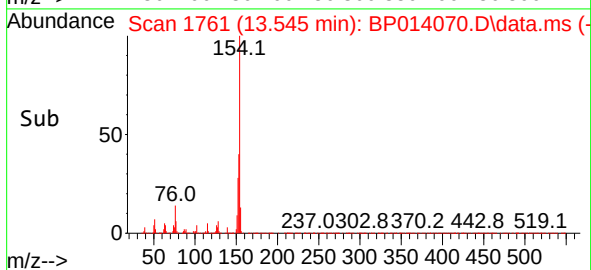
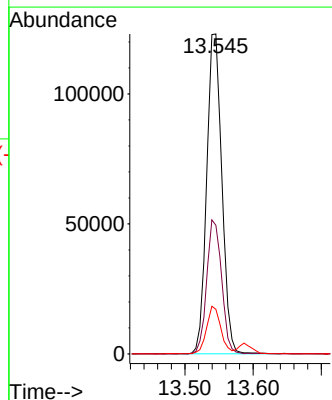
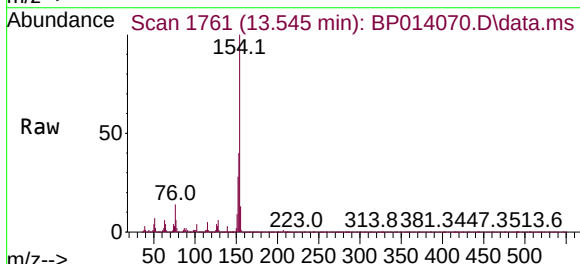
Manual Integrations
APPROVED

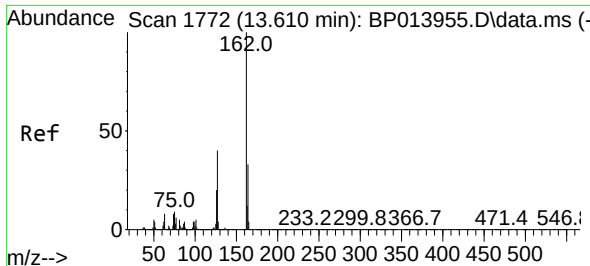
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#46
1,1'-Biphenyl
Concen: 7.781 ng
RT: 13.545 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:154 Resp: 190820
Ion Ratio Lower Upper
154 100
153 40.2 21.0 61.0
76 13.9 0.0 31.0





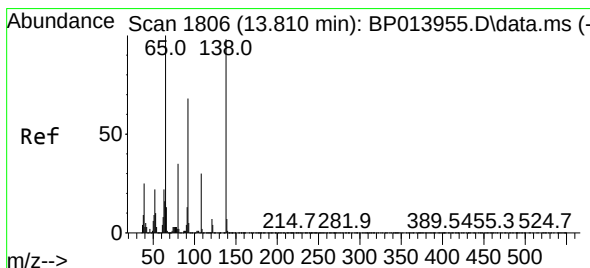
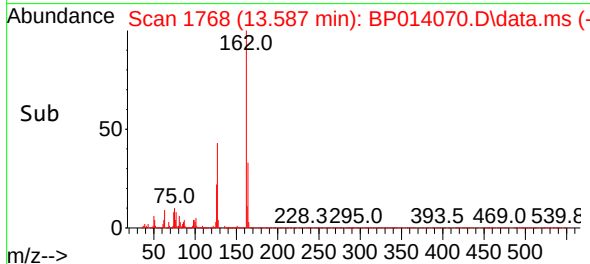
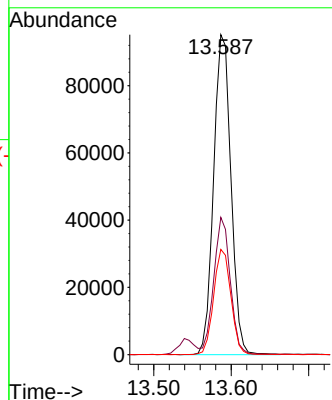
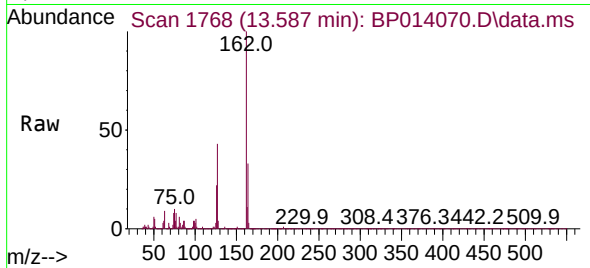
#47
2-Chloronaphthalene
Concen: 7.840 ng
RT: 13.587 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:162 Resp: 148025
Ion Ratio Lower Upper
162 100
127 42.9 32.5 48.7
164 32.9 26.3 39.5

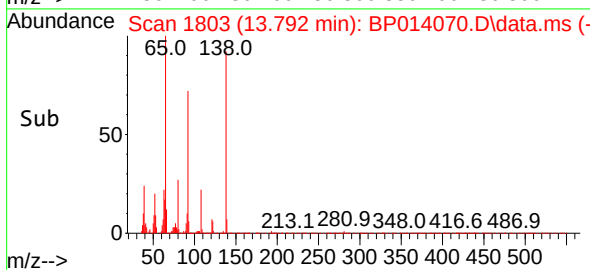
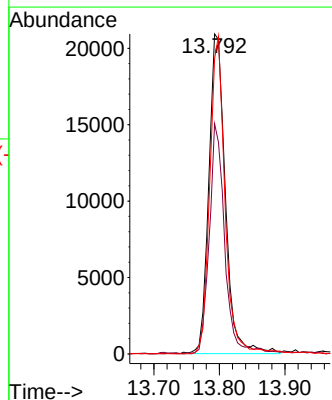
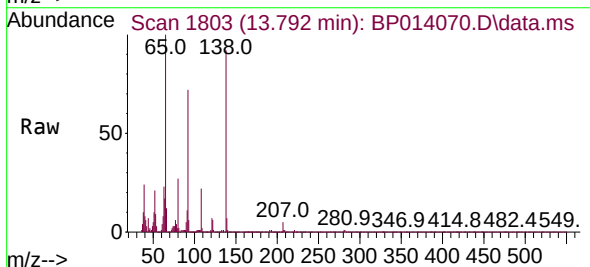
Manual Integrations
APPROVED

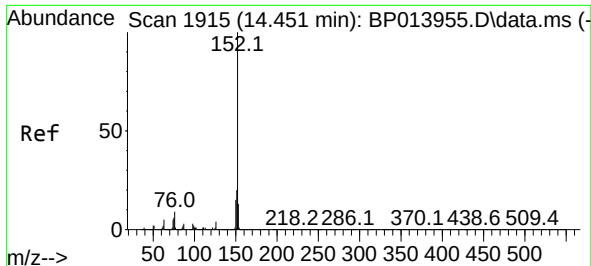
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#48
2-Nitroaniline
Concen: 6.403 ng
RT: 13.792 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

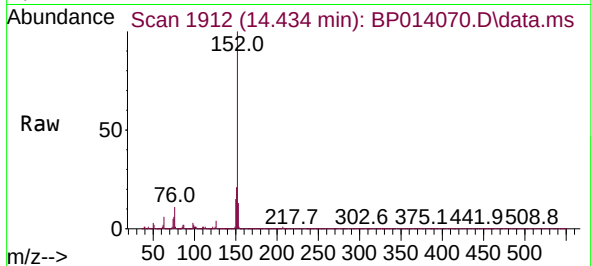
Tgt Ion: 65 Resp: 36688
Ion Ratio Lower Upper
65 100
92 71.9 54.4 81.6
138 92.3 78.0 117.0





#49
Acenaphthylene
Concen: 6.947 ng
RT: 14.434 min Scan# 1915
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

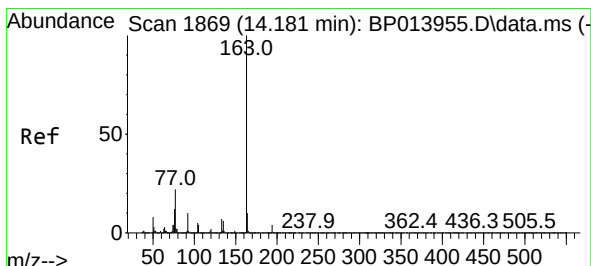
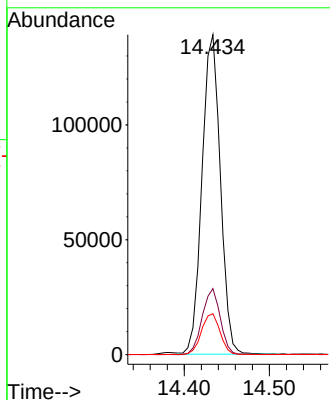
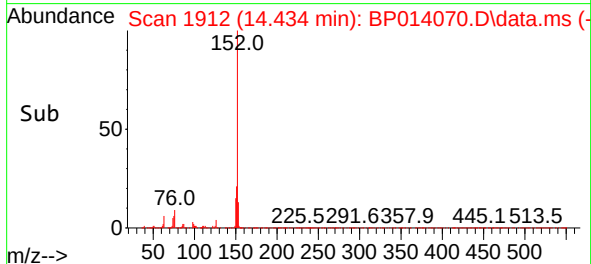
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:152 Resp: 208584
Ion Ratio Lower Upper
152 100
151 20.6 16.1 24.1
153 12.8 10.4 15.6

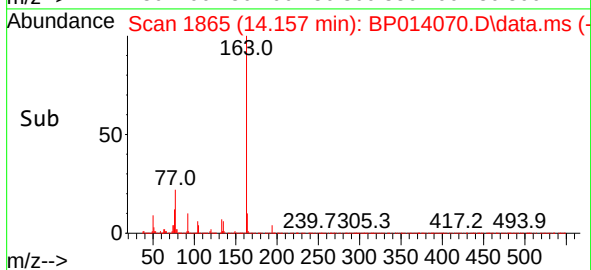
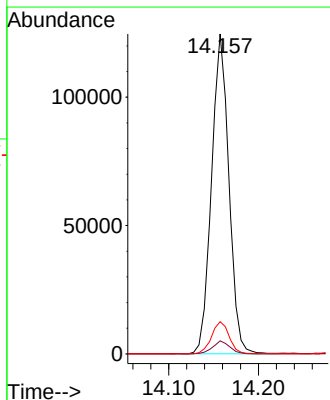
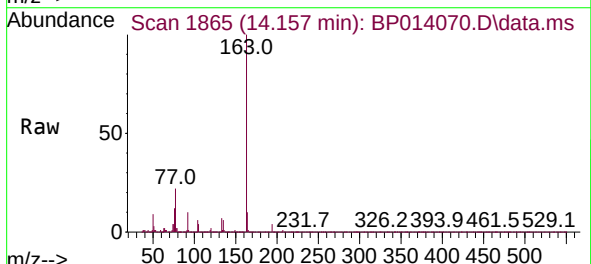
Manual Integrations
APPROVED

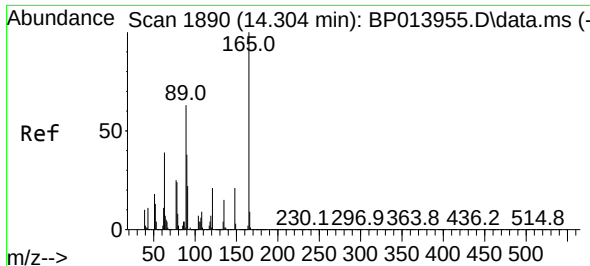
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#50
Dimethylphthalate
Concen: 6.668 ng
RT: 14.157 min Scan# 1865
Delta R.T. -0.012 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

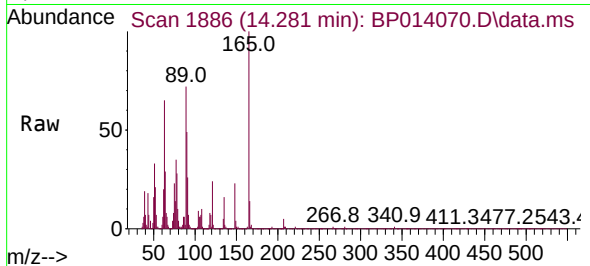
Tgt Ion:163 Resp: 167620
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.1 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 6.130 ng
RT: 14.281 min Scan# 1890
Delta R.T. -0.012 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

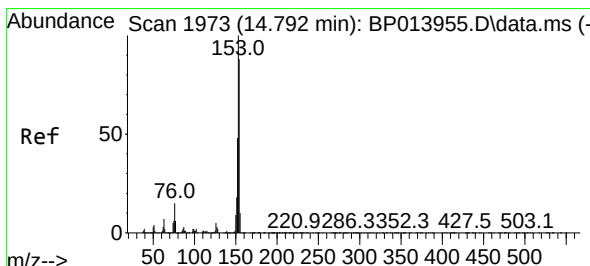
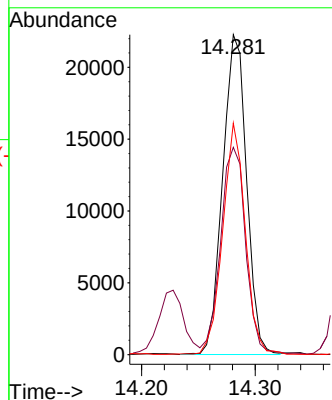
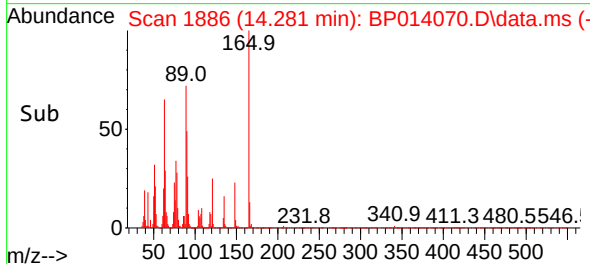
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



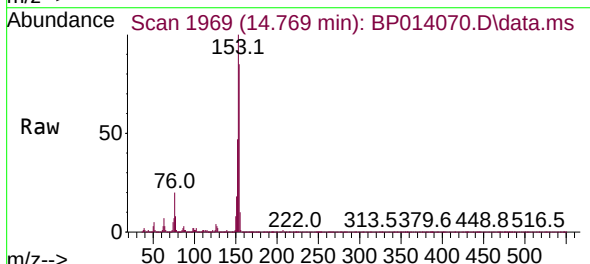
Tgt Ion:165 Resp: 3245
Ion Ratio Lower Upper
165 100
63 64.8 46.7 70.1
89 72.3 50.8 76.2

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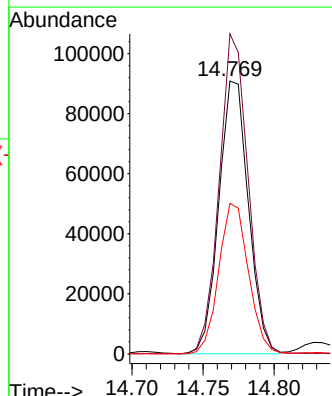
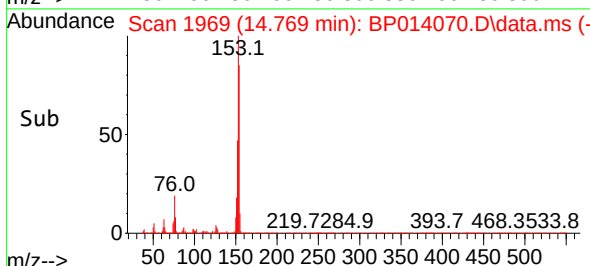
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

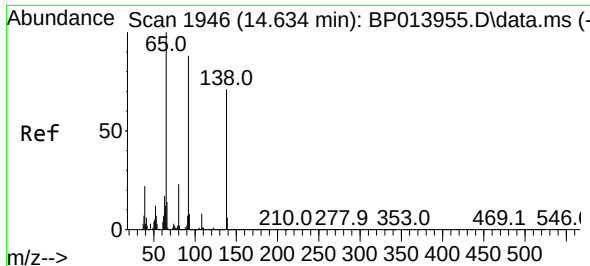


#52
Acenaphthene
Concen: 7.298 ng
RT: 14.769 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07



Tgt Ion:154 Resp: 131911
Ion Ratio Lower Upper
154 100
153 117.3 91.3 136.9
152 55.2 43.4 65.0





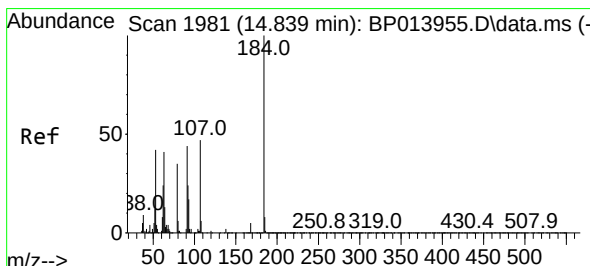
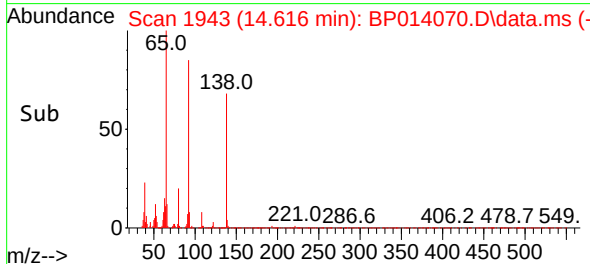
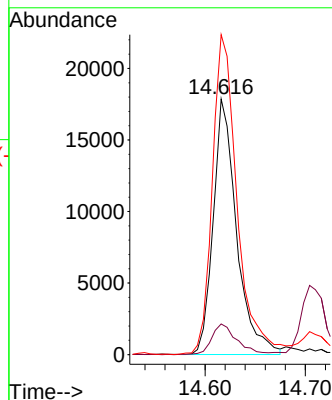
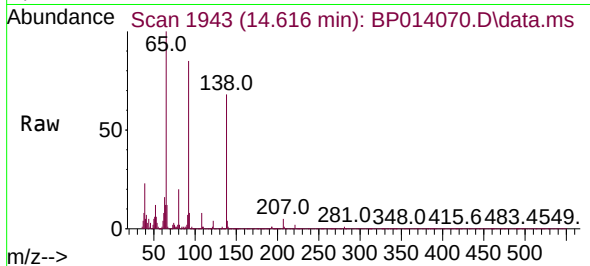
#53
3-Nitroaniline
Concen: 5.591 ng
RT: 14.616 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:138 Resp: 2900
Ion Ratio Lower Upper
138 100
108 12.0 9.5 14.3
92 125.2 99.2 148.8

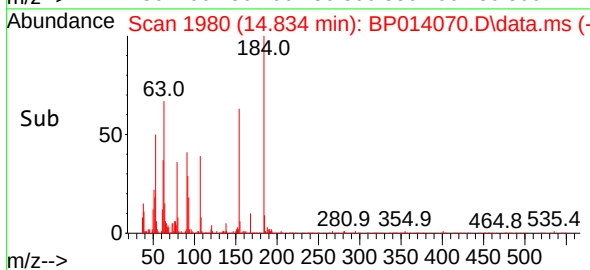
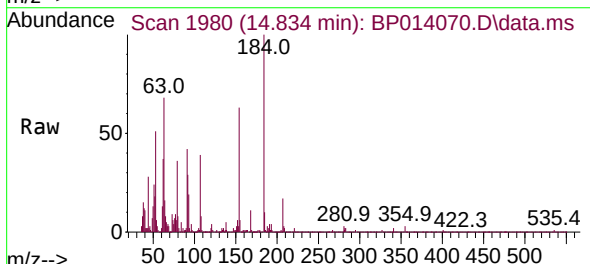
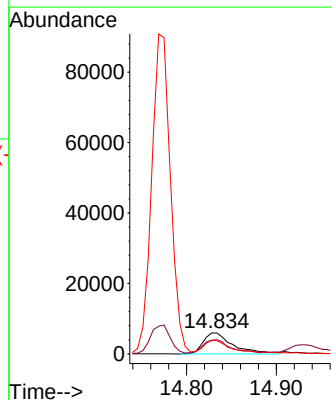
Manual Integrations
APPROVED

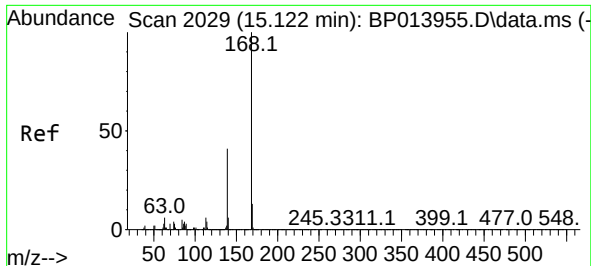
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#54
2,4-Dinitrophenol
Concen: 6.420 ng
RT: 14.834 min Scan# 1980
Delta R.T. 0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

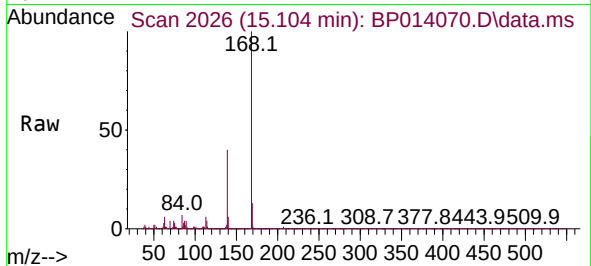
Tgt Ion:184 Resp: 13642
Ion Ratio Lower Upper
184 100
63 67.7 52.4 78.6
154 63.2 59.4 89.2





#55
Dibenzenofuran
Concen: 7.330 ng
RT: 15.104 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

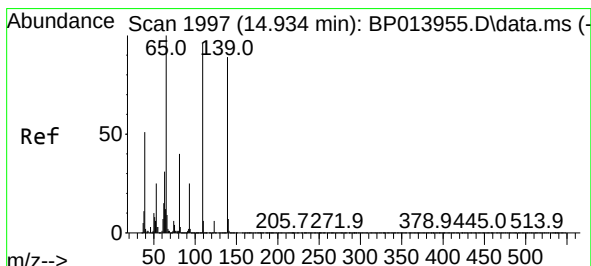
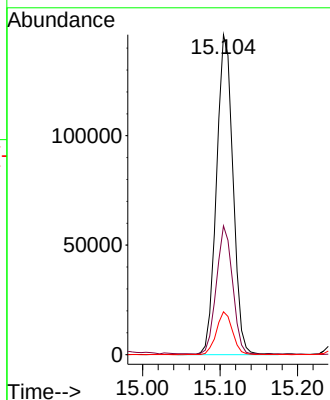
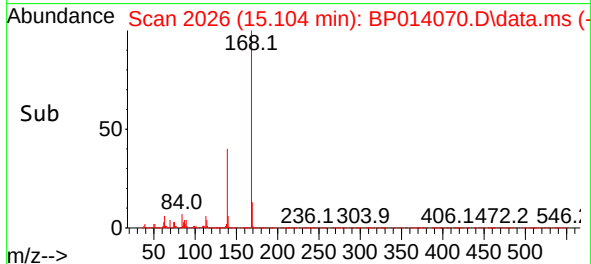
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:168 Resp: 21598
Ion Ratio Lower Upper
168 100
139 40.2 32.9 49.3
169 13.4 10.6 15.8

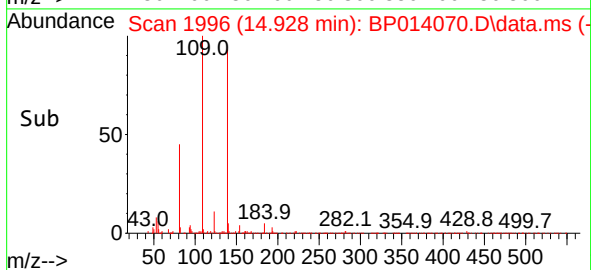
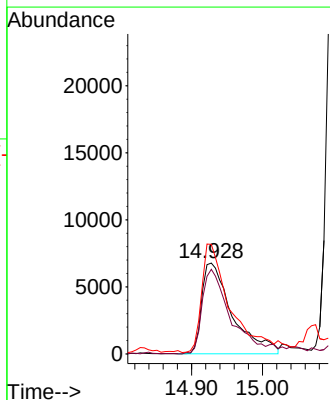
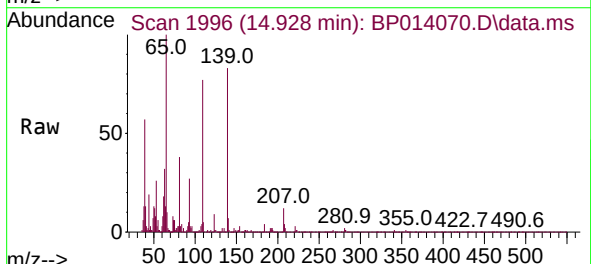
Manual Integrations
APPROVED

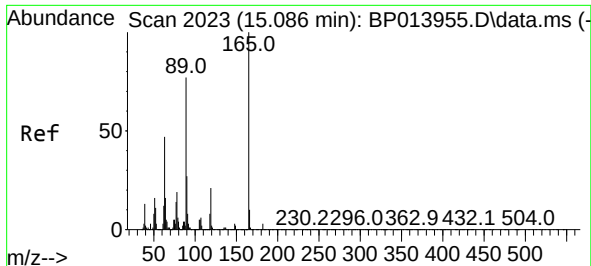
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#56
4-Nitrophenol
Concen: 4.782 ng
RT: 14.928 min Scan# 1996
Delta R.T. 0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

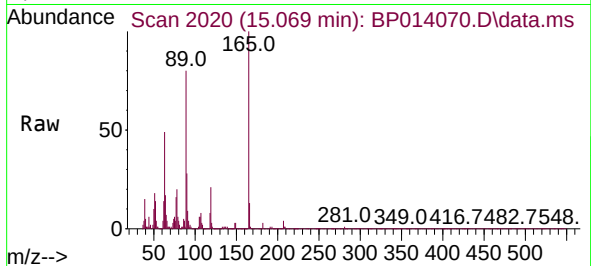
Tgt Ion:139 Resp: 20202
Ion Ratio Lower Upper
139 100
109 93.1 87.0 127.0
65 120.5 92.1 132.1





#57
2,4-Dinitrotoluene
Concen: 5.777 ng
RT: 15.069 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

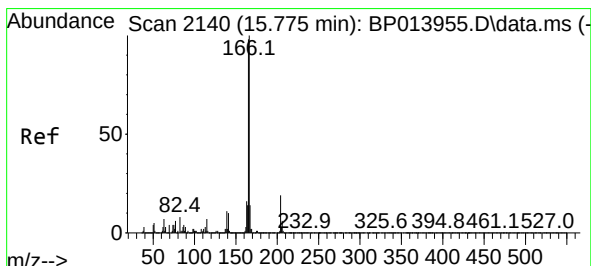
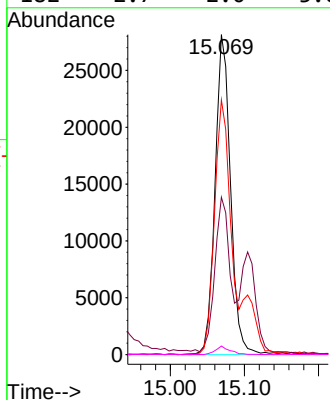
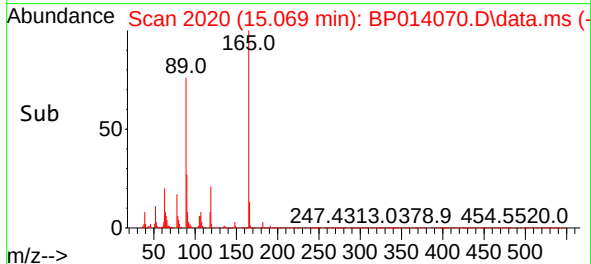
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:165 Resp: 4088
Ion Ratio Lower Upper
165 100
63 49.2 37.5 56.3
89 79.6 61.8 92.8
182 2.7 2.0 3.0

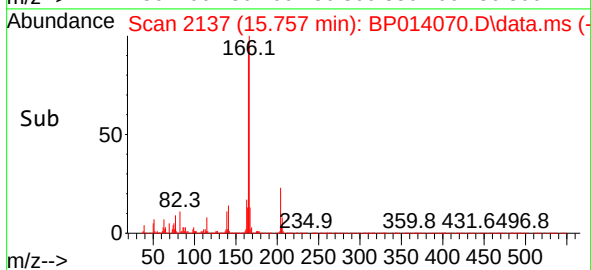
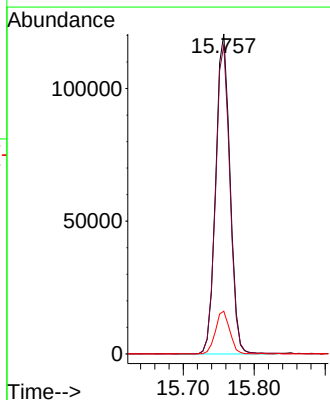
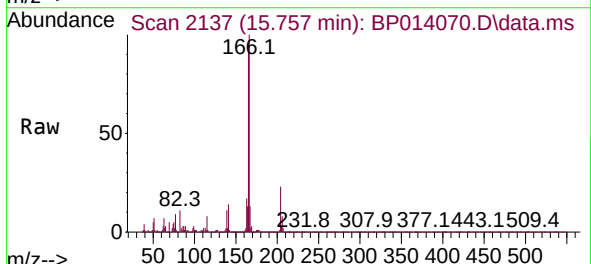
Manual Integrations
APPROVED

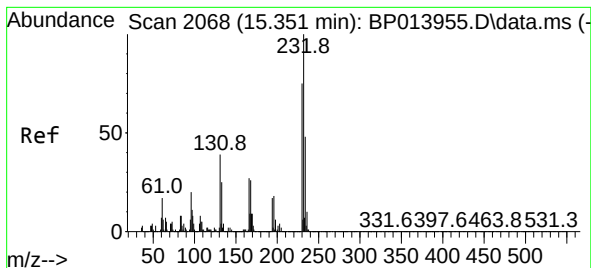
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#58
Fluorene
Concen: 7.223 ng
RT: 15.757 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:166 Resp: 168981
Ion Ratio Lower Upper
166 100
165 96.5 78.1 117.1
167 13.3 10.8 16.2





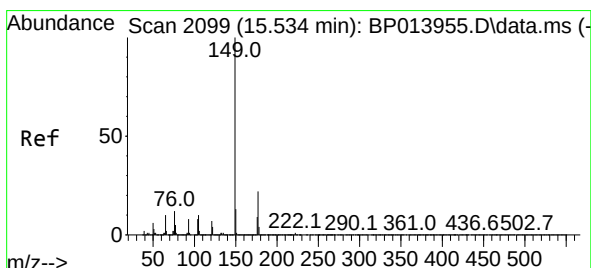
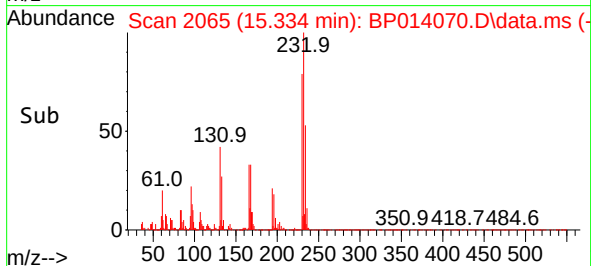
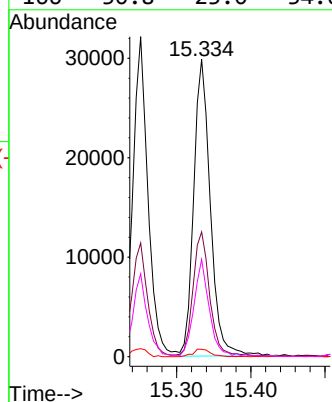
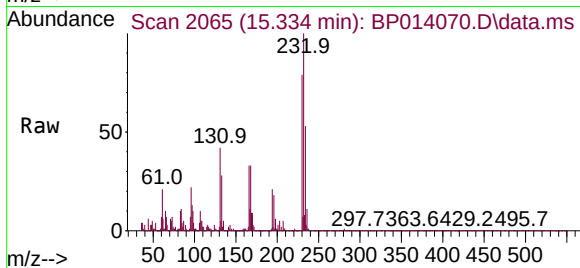
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.260 ng
RT: 15.334 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion	Ratio	Lower	Upper
232	100		
131	42.3	32.5	48.7
130	2.6	1.9	2.9
166	30.8	23.0	34.6

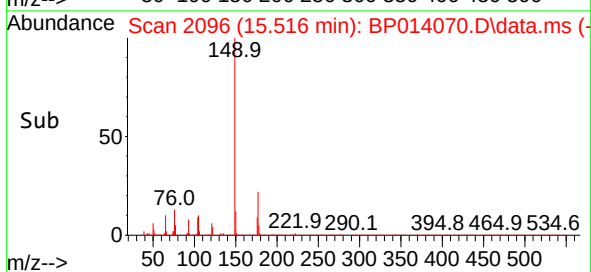
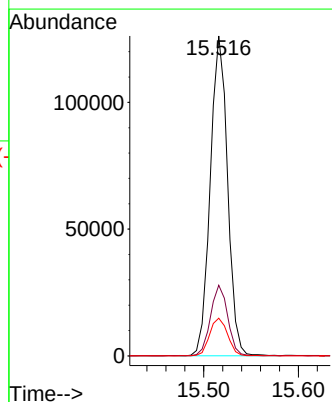
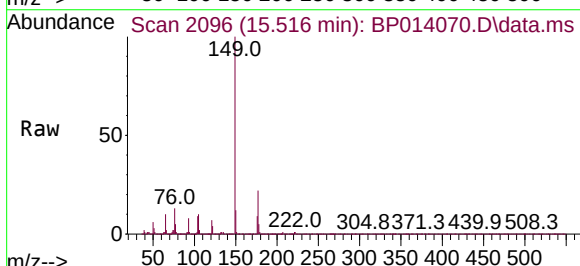
Manual Integrations
APPROVED

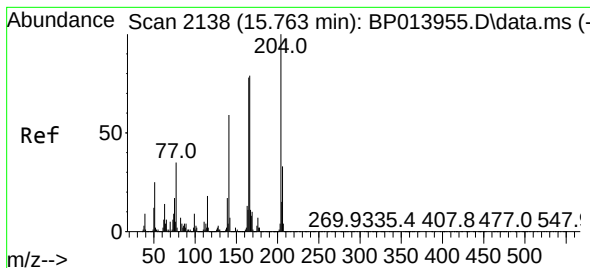
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#60
Diethylphthalate
Concen: 6.461 ng
RT: 15.516 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.0	27.0
150	11.8	10.3	15.5





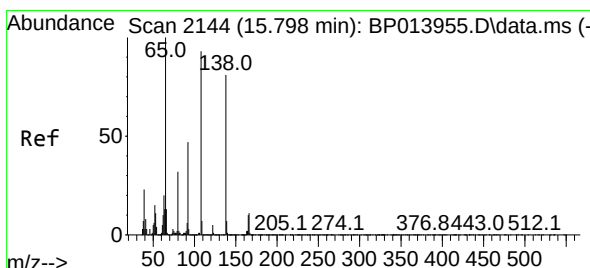
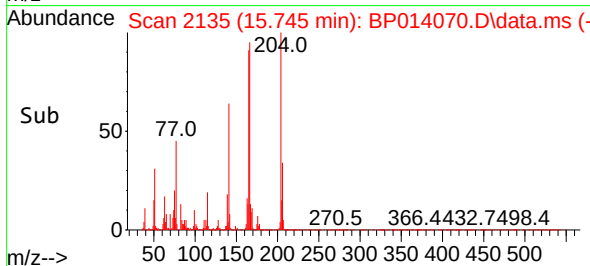
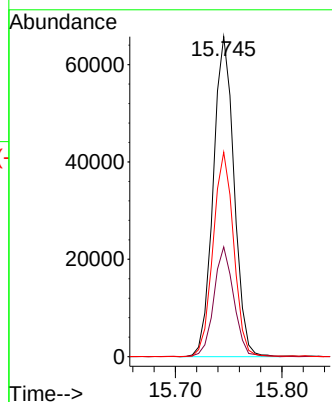
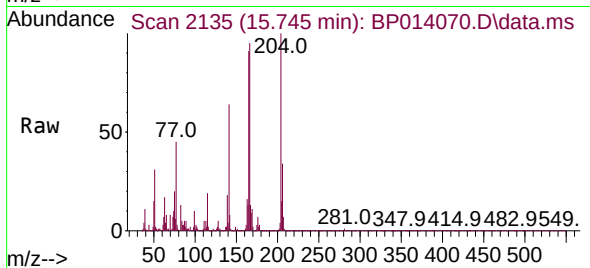
#61
4-Chlorophenyl-phenylether
Concen: 6.742 ng
RT: 15.745 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:204 Resp: 89423
Ion Ratio Lower Upper
204 100
206 34.3 26.2 39.4
141 63.9 46.9 70.3

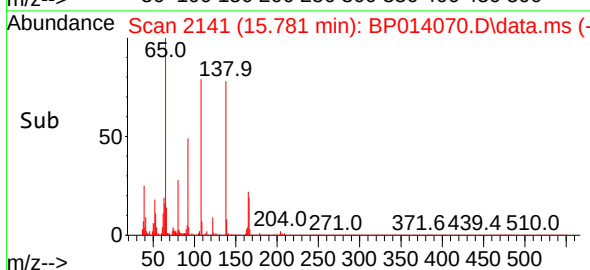
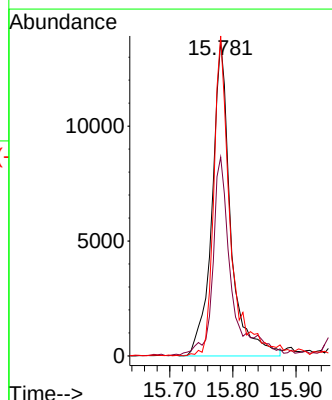
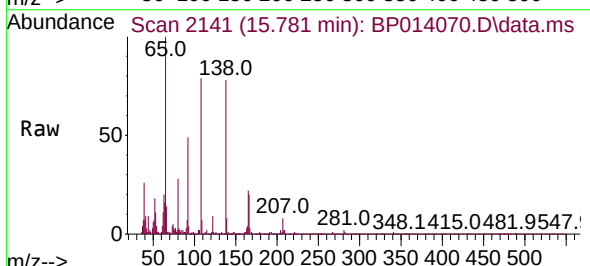
Manual Integrations
APPROVED

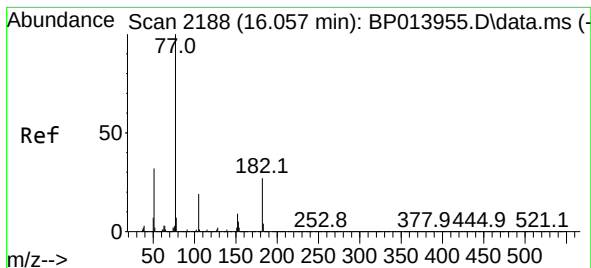
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#62
4-Nitroaniline
Concen: 5.430 ng
RT: 15.781 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

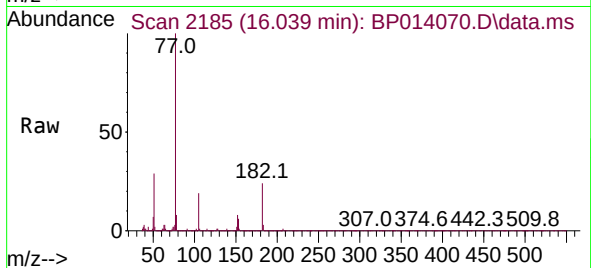
Tgt Ion:138 Resp: 28048
Ion Ratio Lower Upper
138 100
92 63.1 37.9 77.9
108 101.6 94.9 134.9





#63
Azobenzene
Concen: 6.982 ng
RT: 16.039 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

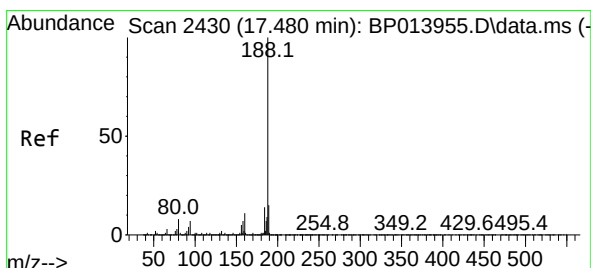
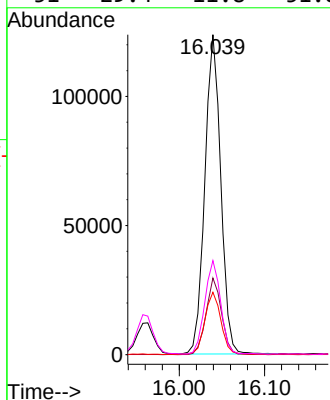
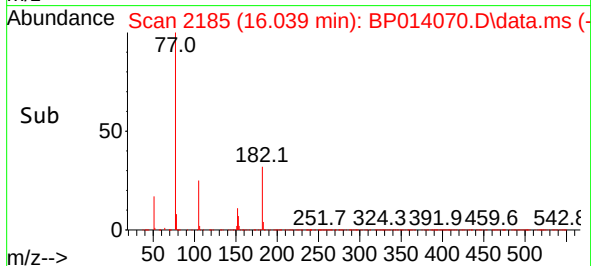
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 77 Resp: 160350
Ion Ratio Lower Upper
77 100
182 23.9 6.9 46.9
105 19.5 0.0 39.4
51 29.4 11.8 51.8

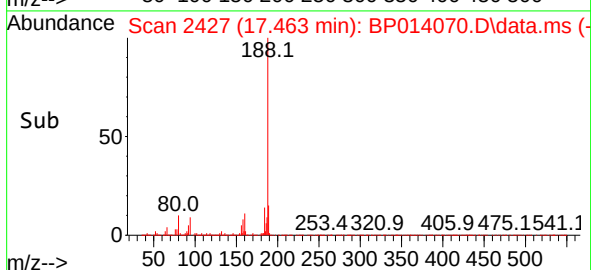
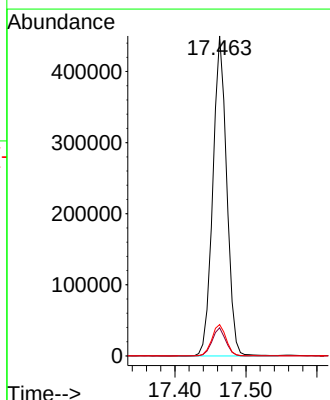
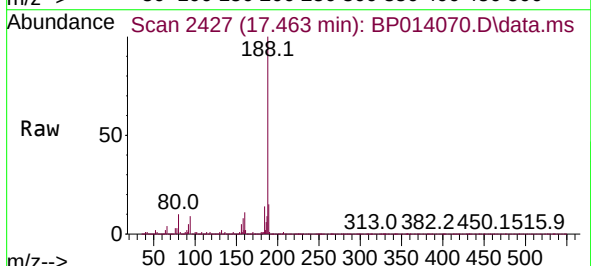
Manual Integrations
APPROVED

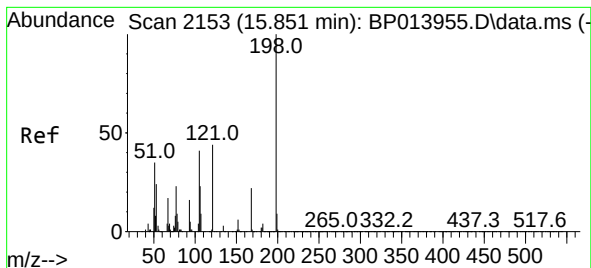
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.463 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:188 Resp: 611437
Ion Ratio Lower Upper
188 100
94 8.8 5.8 8.6#
80 9.8 6.6 9.8





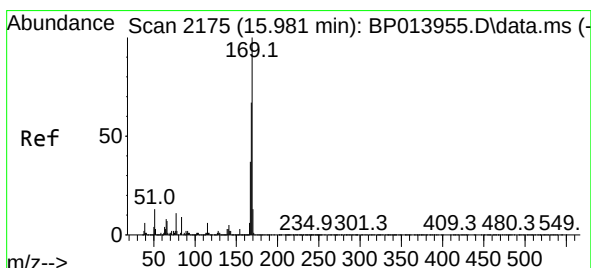
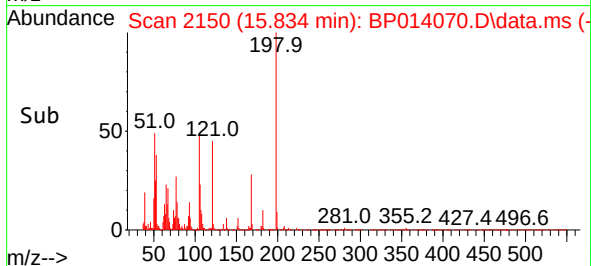
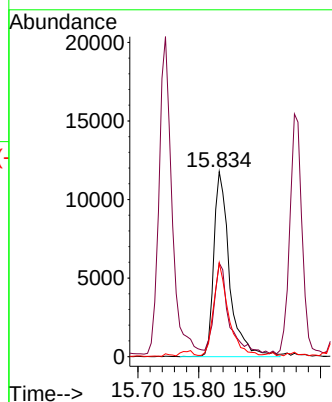
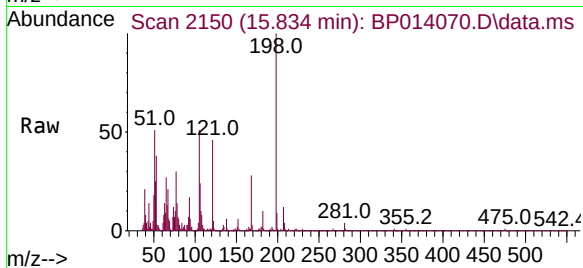
#65
4,6-Dinitro-2-methylphenol
Concen: 4.667 ng
RT: 15.834 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:198 Resp: 21138
Ion Ratio Lower Upper
198 100
51 50.6 22.1 62.1
105 50.7 21.5 61.5

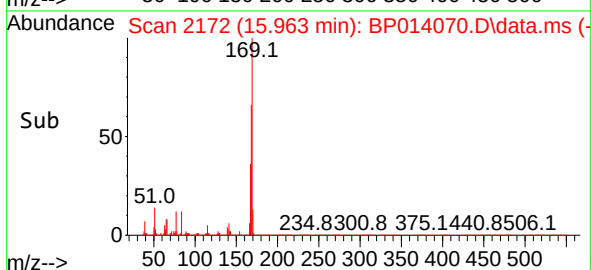
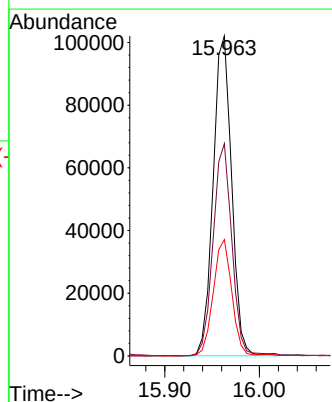
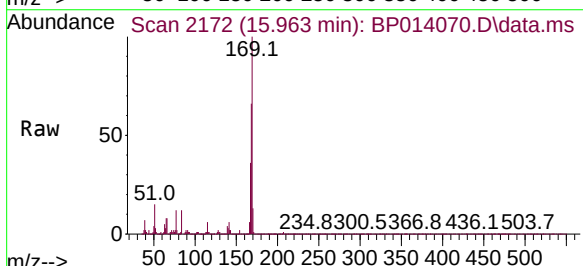
Manual Integrations
APPROVED

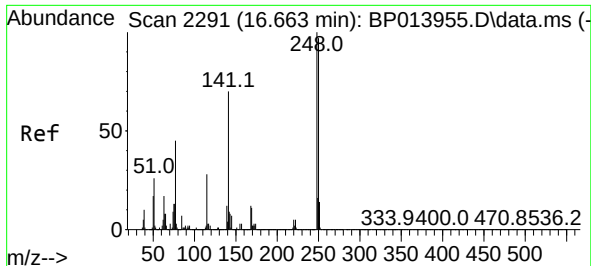
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#66
n-Nitrosodiphenylamine
Concen: 7.164 ng
RT: 15.963 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:169 Resp: 138424
Ion Ratio Lower Upper
169 100
168 66.3 54.0 81.0
167 36.3 29.4 44.2





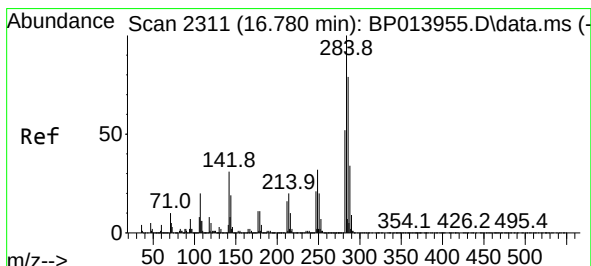
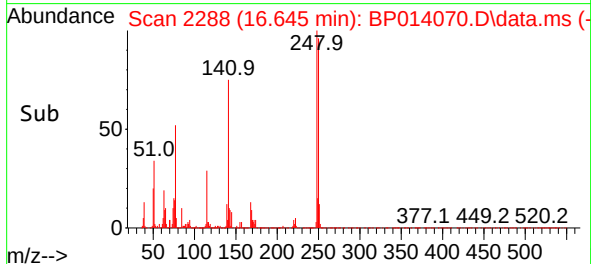
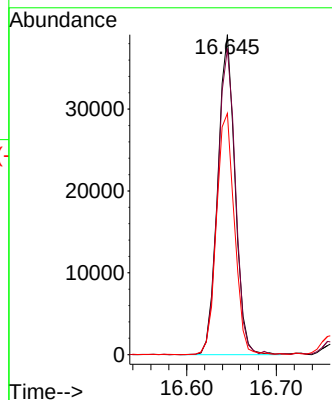
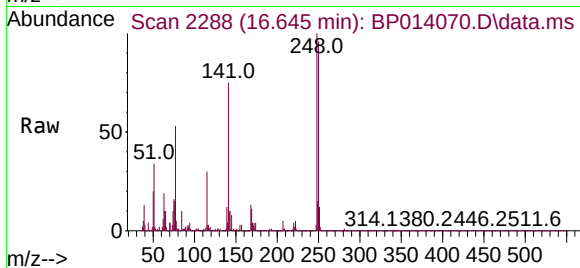
#67
4-Bromophenyl-phenylether
Concen: 6.493 ng
RT: 16.645 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:248 Resp: 5251
Ion Ratio Lower Upper
248 100
250 95.6 77.9 116.9
141 75.4 56.0 84.0

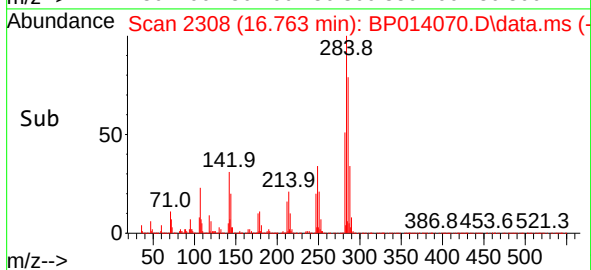
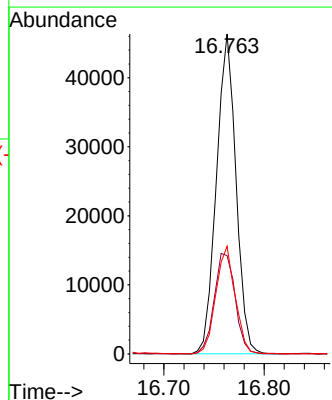
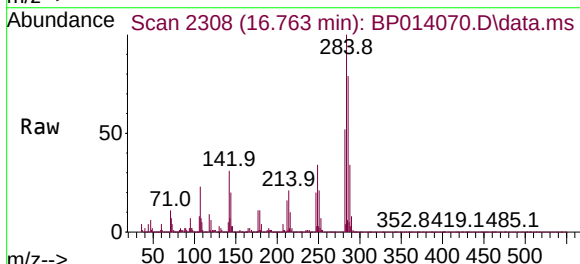
Manual Integrations
APPROVED

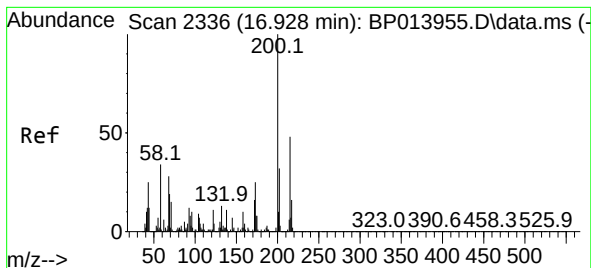
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#68
Hexachlorobenzene
Concen: 7.250 ng
RT: 16.763 min Scan# 2308
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

Tgt Ion:284 Resp: 62847
Ion Ratio Lower Upper
284 100
142 30.7 24.8 37.2
249 33.6 25.7 38.5





#69

Atrazine

Concen: 6.957 ng

RT: 16.910 min Scan# 2333

Delta R.T. -0.006 min

Lab File: BP014070.D

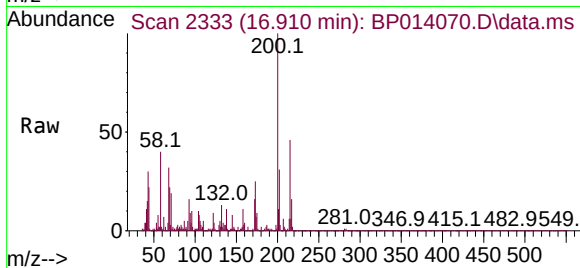
Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



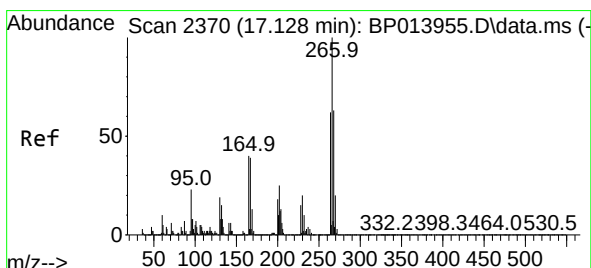
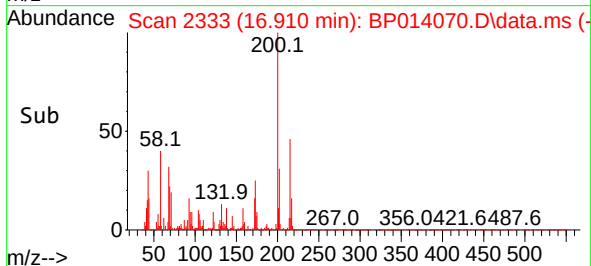
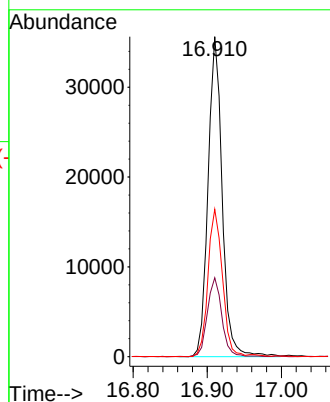
Tgt Ion:	200	Resp:	47195
Ion Ratio	Lower	Upper	
200	100		
173	24.6	5.5	45.5
215	46.1	27.9	67.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#70

Pentachlorophenol

Concen: 4.889 ng

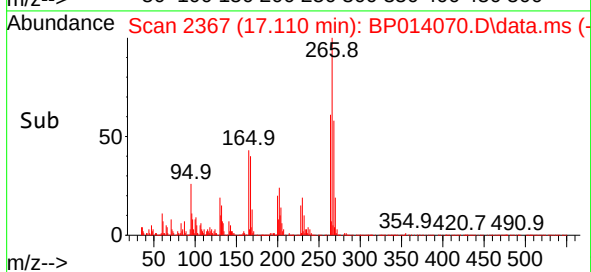
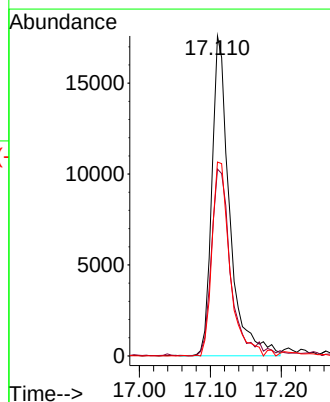
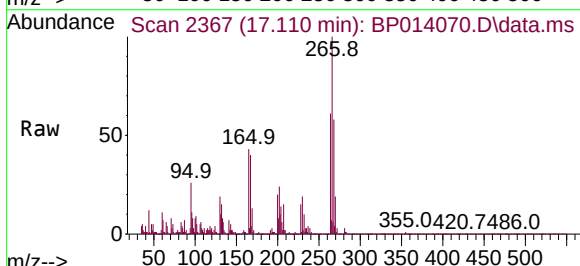
RT: 17.110 min Scan# 2367

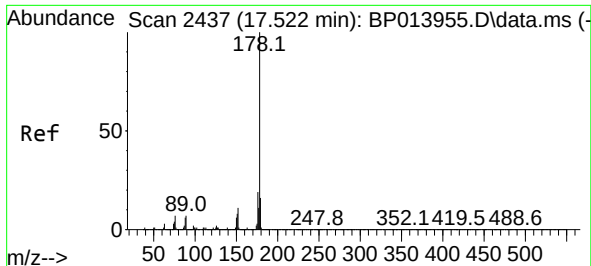
Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:	266	Resp:	30568
Ion Ratio	Lower	Upper	
266	100		
268	58.4	50.4	75.6
264	60.6	49.2	73.8





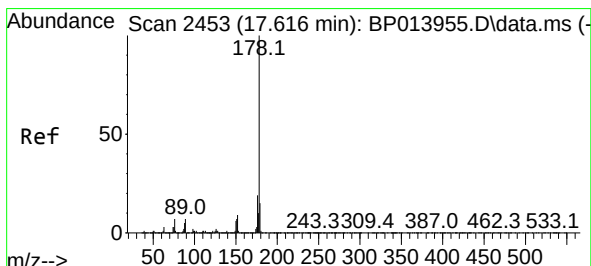
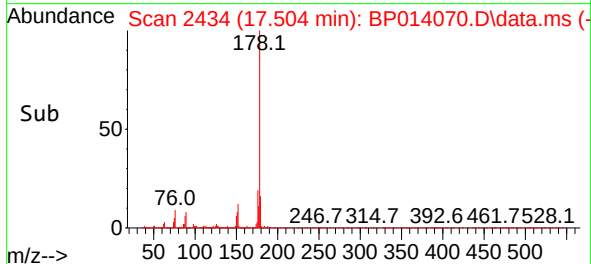
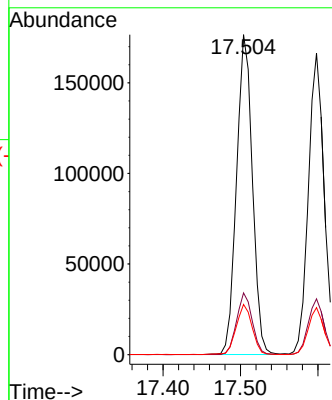
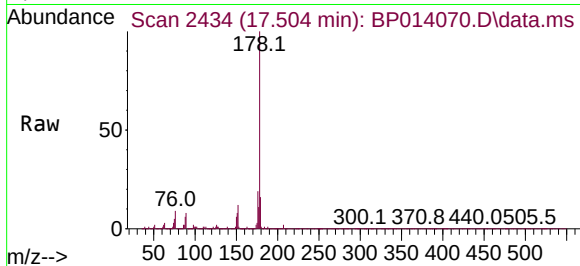
#71
Phenanthrene
Concen: 7.351 ng
RT: 17.504 min Scan# 2437
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion:178 Resp: 251097
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.6 19.0

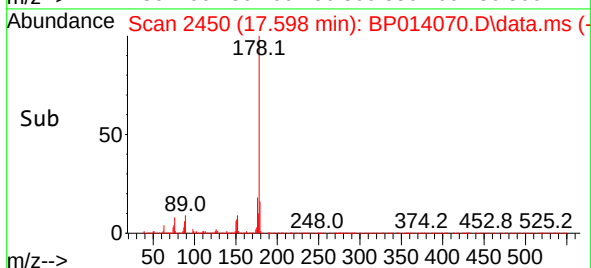
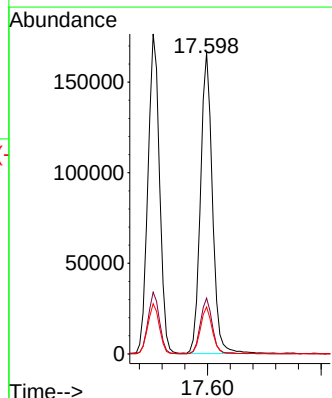
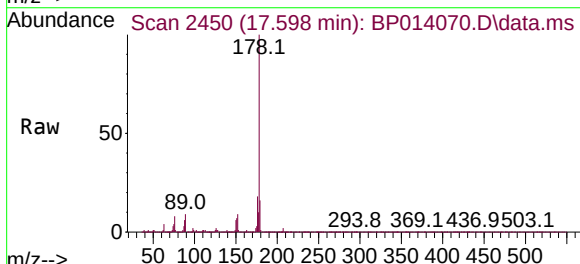
Manual Integrations
APPROVED

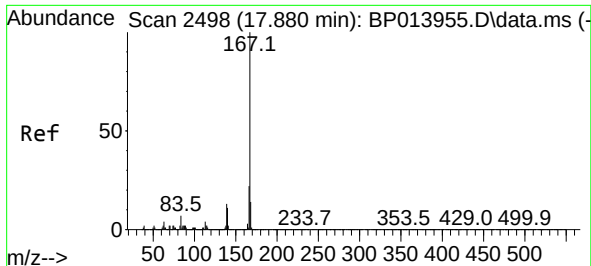
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#72
Anthracene
Concen: 6.895 ng
RT: 17.598 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

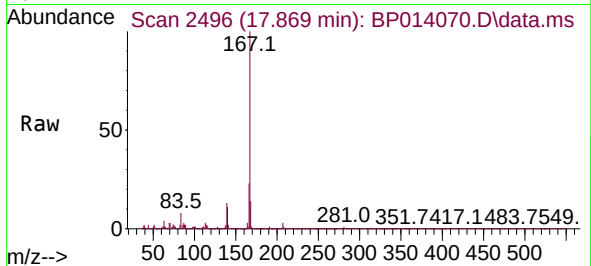
Tgt Ion:178 Resp: 240630
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.6 12.1 18.1





#73
 Carbazole
 Concen: 6.885 ng
 RT: 17.869 min Scan# 2498
 Delta R.T. 0.000 min
 Lab File: BP014070.D
 Acq: 13 Mar 2023 19:07

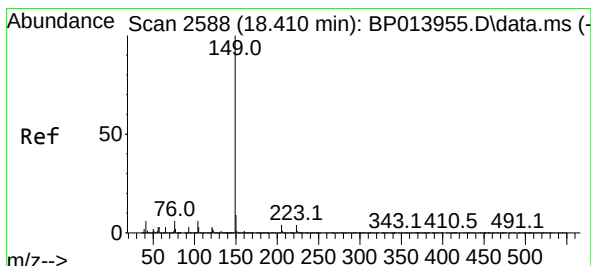
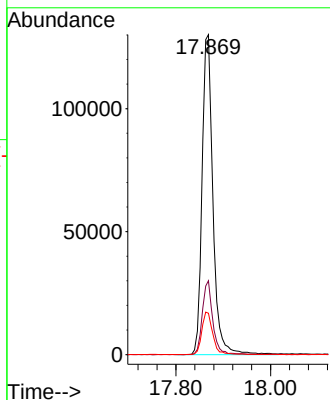
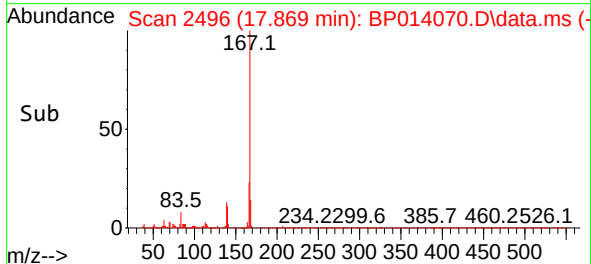
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023



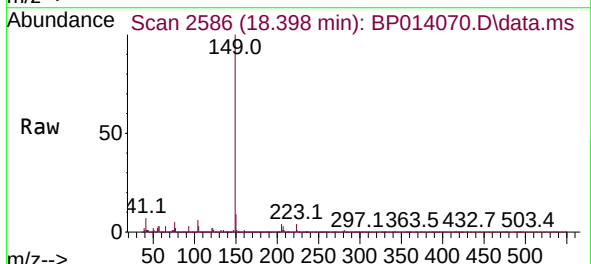
Tgt Ion:167 Resp: 207280
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.2 25.8
 139 12.9 10.5 15.7

Manual Integrations
 APPROVED

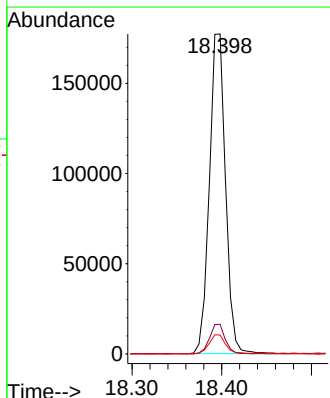
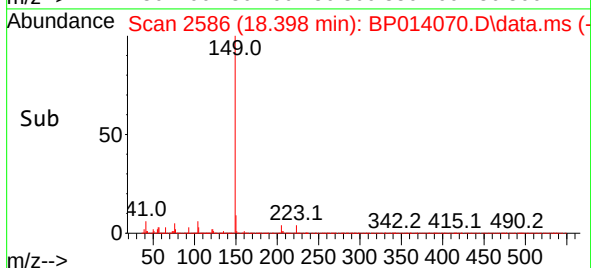
Reviewed By :Christian Giraldo 03/14/2023
 Supervised By :Jagrut Upadhyay 03/14/2023

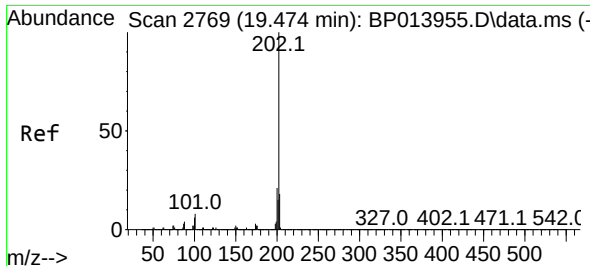


#74
 Di-n-butylphthalate
 Concen: 5.922 ng
 RT: 18.398 min Scan# 2586
 Delta R.T. 0.000 min
 Lab File: BP014070.D
 Acq: 13 Mar 2023 19:07



Tgt Ion:149 Resp: 222899
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.2 10.8
 104 5.9 4.6 7.0





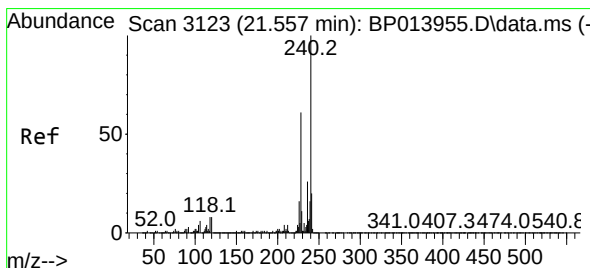
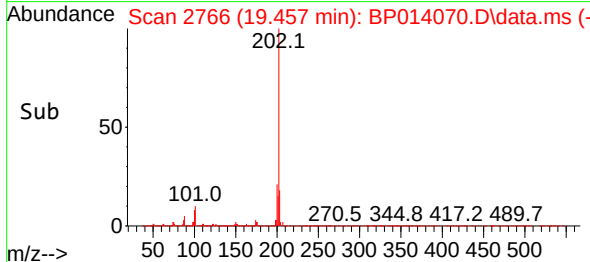
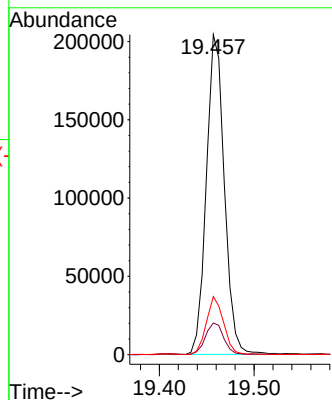
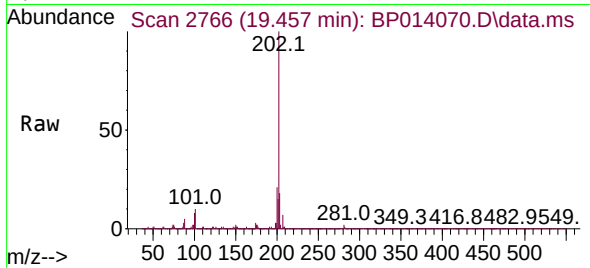
#75
Fluoranthene
Concen: 6.619 ng
RT: 19.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

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

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	27.9
203	18.1	0.0	37.7

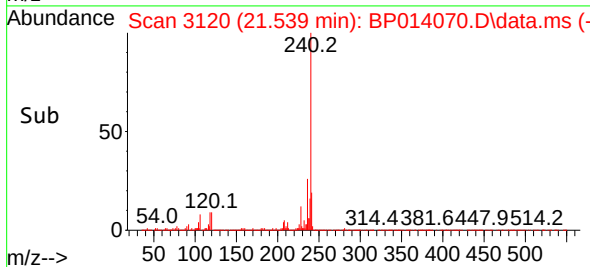
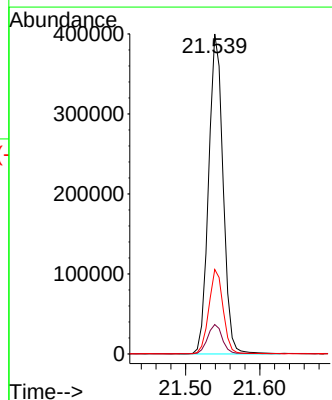
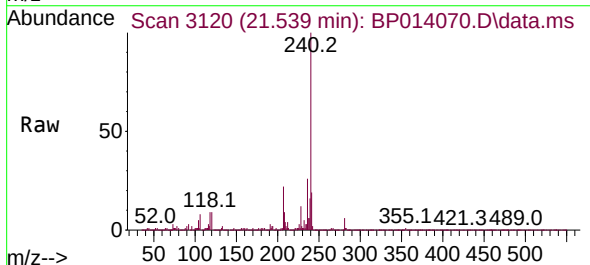
Manual Integrations
APPROVED

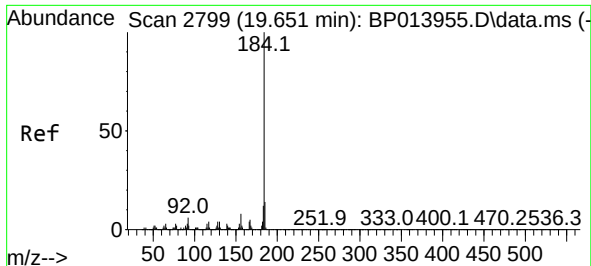
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

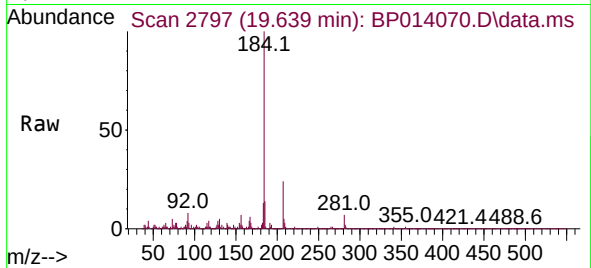
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.4	9.6
236	26.4	21.2	31.8





#77
Benzidine
Concen: 12.268 ng
RT: 19.639 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

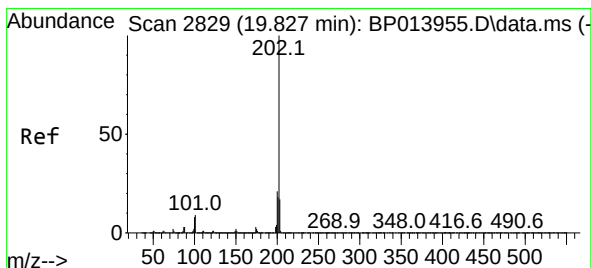
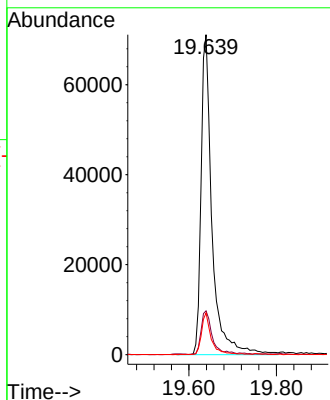
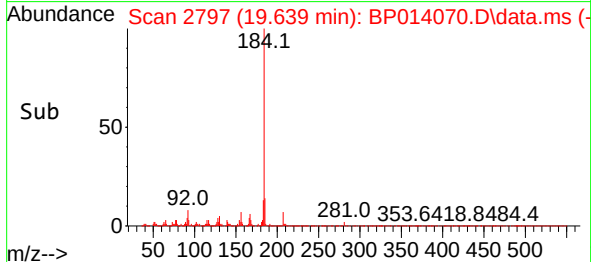
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:184 Resp: 122676
Ion Ratio Lower Upper
184 100
185 13.7 11.6 17.4
183 13.0 9.7 14.5

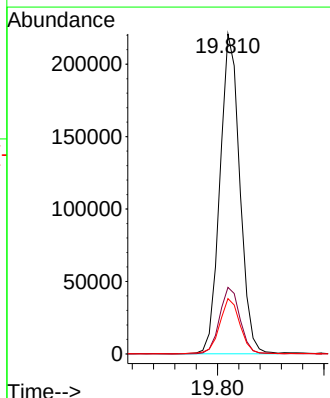
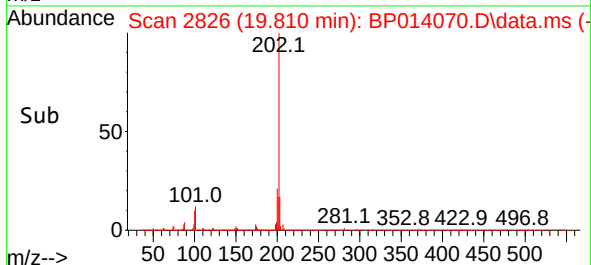
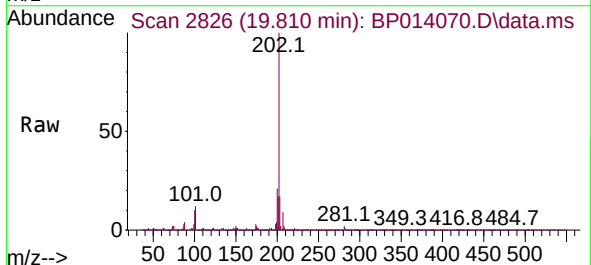
Manual Integrations
APPROVED

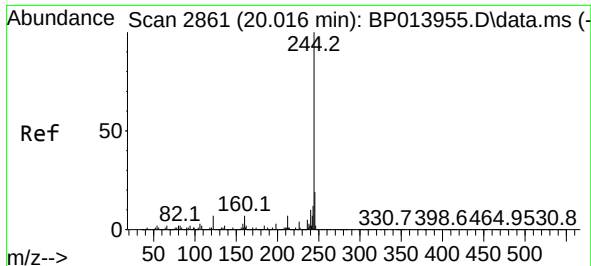
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#78
Pyrene
Concen: 6.891 ng
RT: 19.810 min Scan# 2826
Delta R.T. -0.006 min
Lab File: BP014070.D
Acq: 13 Mar 2023 19:07

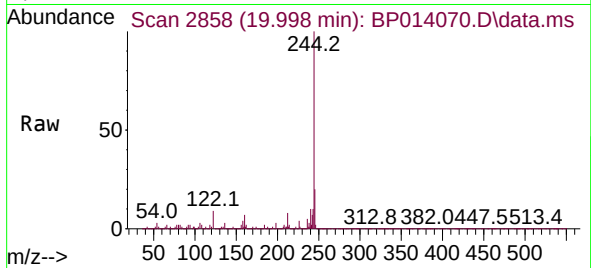
Tgt Ion:202 Resp: 286135
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.3 13.9 20.9





#79
 Terphenyl-d14
 Concen: 79.801 ng
 RT: 19.998 min Scan# 2861
 Delta R.T. -0.006 min
 Lab File: BP014070.D
 Acq: 13 Mar 2023 19:07

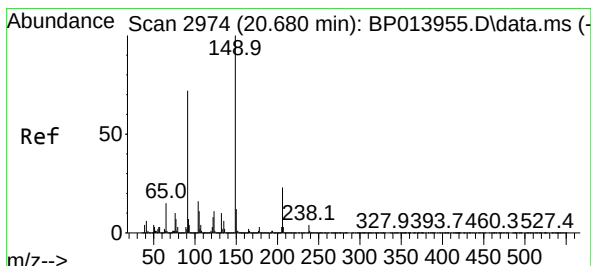
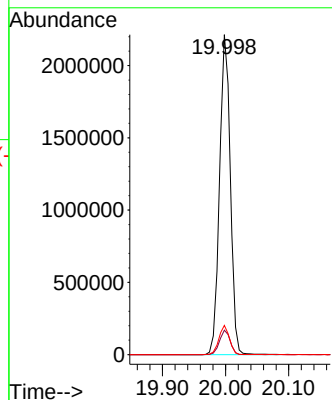
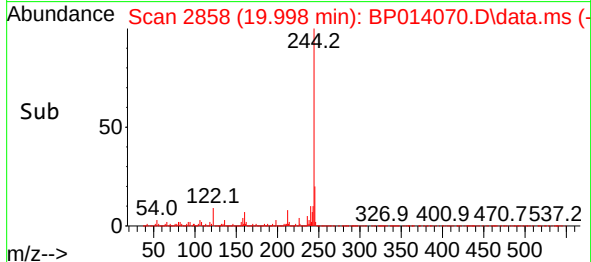
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2023



Tgt Ion:244 Resp: 261824
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 9.1 5.8 8.6

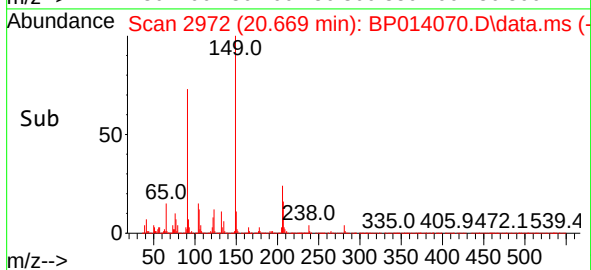
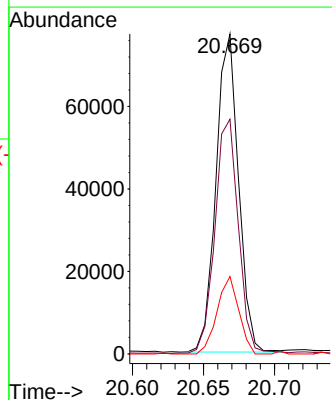
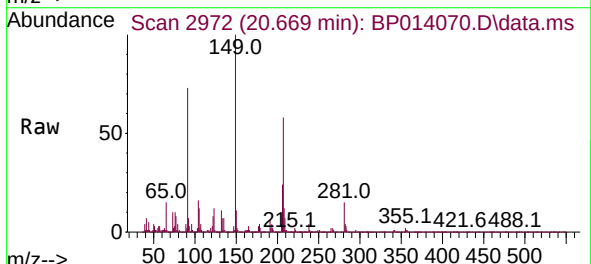
Manual Integrations
 APPROVED

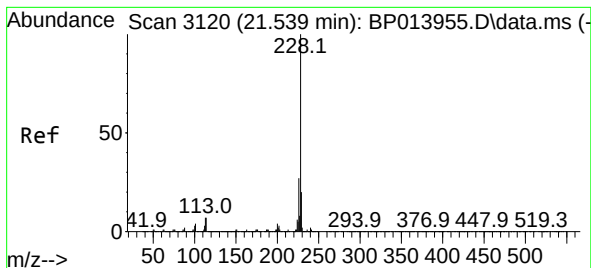
Reviewed By :Christian Giraldo 03/14/2023
 Supervised By :Jagrut Upadhyay 03/14/2023



#80
 Butylbenzylphthalate
 Concen: 5.416 ng
 RT: 20.669 min Scan# 2972
 Delta R.T. 0.000 min
 Lab File: BP014070.D
 Acq: 13 Mar 2023 19:07

Tgt Ion:149 Resp: 85264
 Ion Ratio Lower Upper
 149 100
 91 73.3 58.0 87.0
 206 24.2 18.7 28.1





#81

Benzo(a)anthracene

Concen: 6.909 ng

RT: 21.521 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

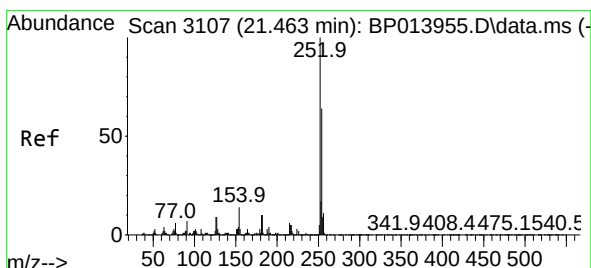
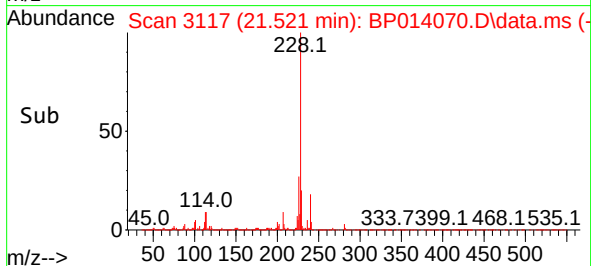
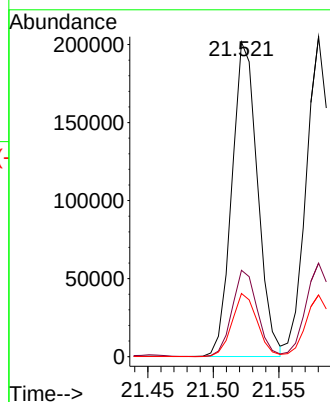
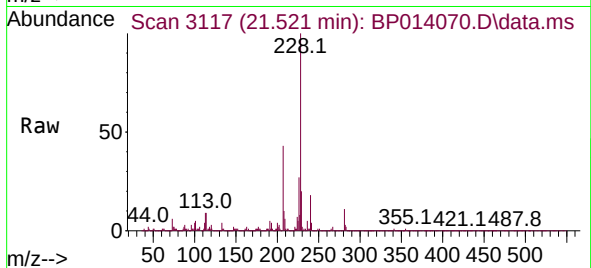
Tgt Ion:	228	Resp:	274264
Ion Ratio	Lower	Upper	
228	100		
226	27.4	21.8	32.8
229	20.1	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#82

3,3'-Dichlorobenzidine

Concen: 7.624 ng

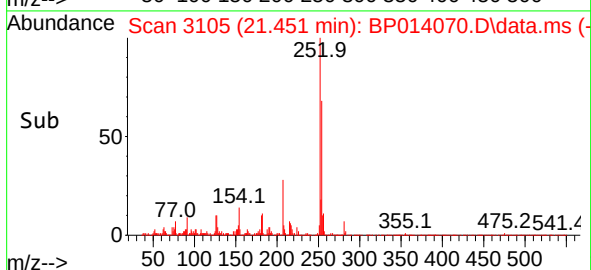
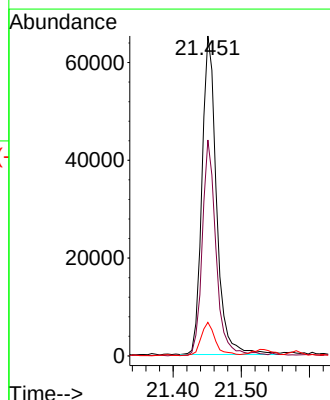
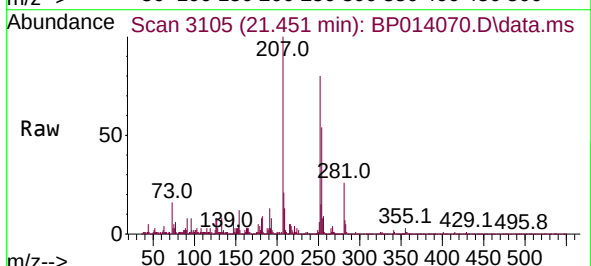
RT: 21.451 min Scan# 3105

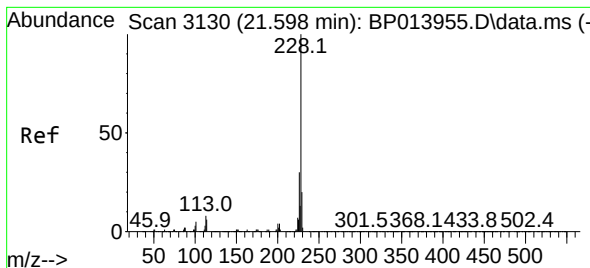
Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:	252	Resp:	96834
Ion Ratio	Lower	Upper	
252	100		
254	67.5	51.0	76.6
126	10.5	7.0	10.6





#83

Chrysene

Concen: 7.230 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

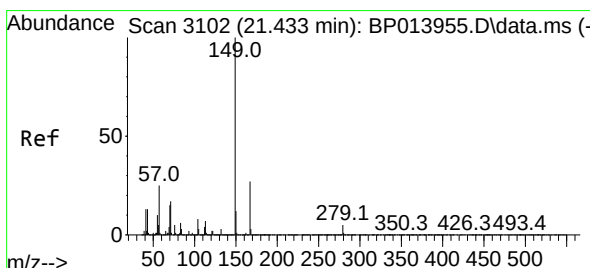
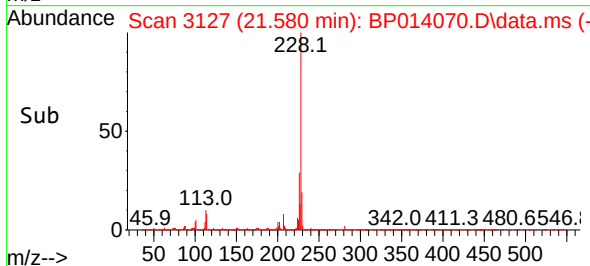
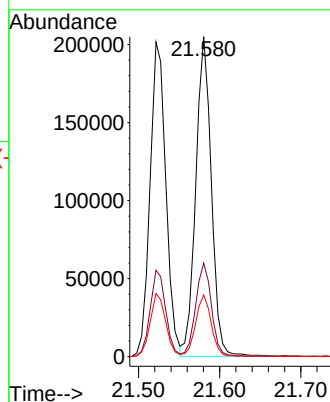
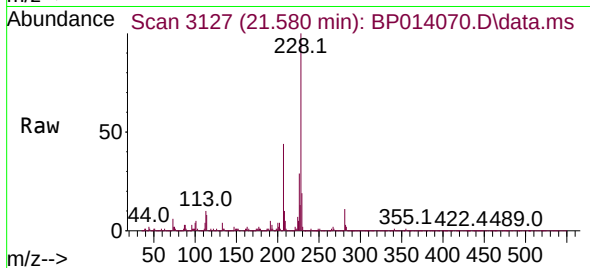
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	228	Resp:	27178
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.2	36.4
229	19.3	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: 5.478 ng

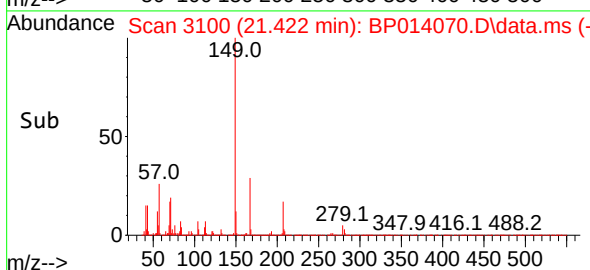
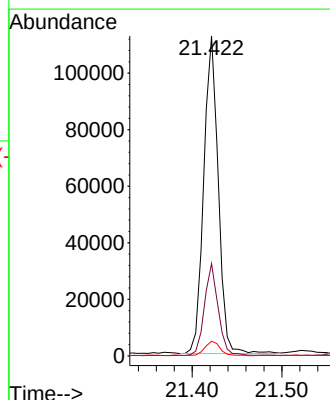
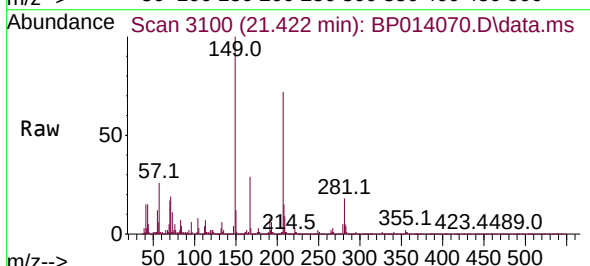
RT: 21.422 min Scan# 3100

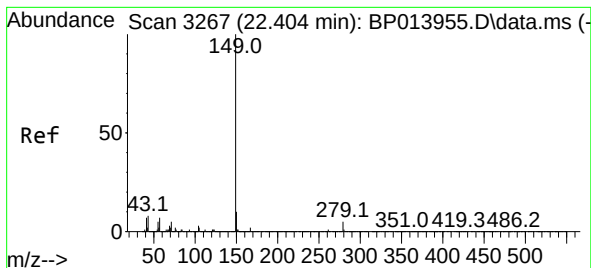
Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:	149	Resp:	126521
Ion Ratio	Lower	Upper	
149	100		
167	28.8	21.8	32.6
279	4.6	4.0	6.0





#85

Di-n-octyl phthalate

Concen: 5.381 ng

RT: 22.386 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

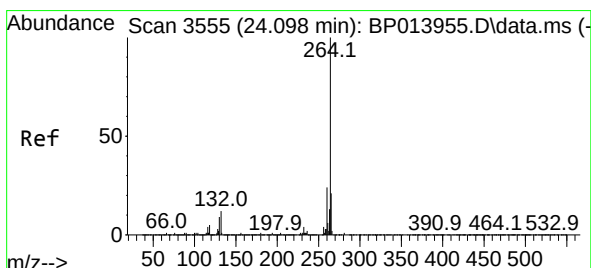
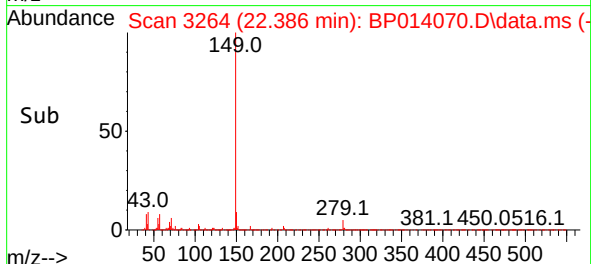
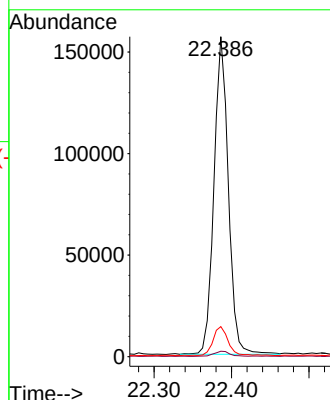
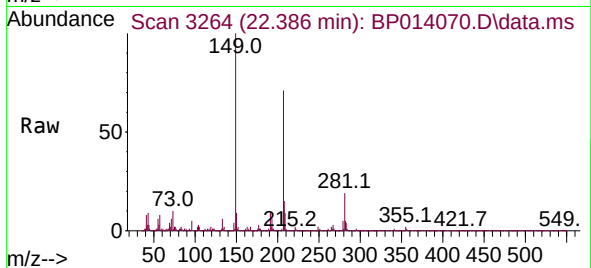
Tgt Ion:149	Resp: 201738
Ion Ratio	Lower Upper
149 100	
167 1.8	1.3 1.9
43 9.7	6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#86

Perylene-d12

Concen: 20.000 ng

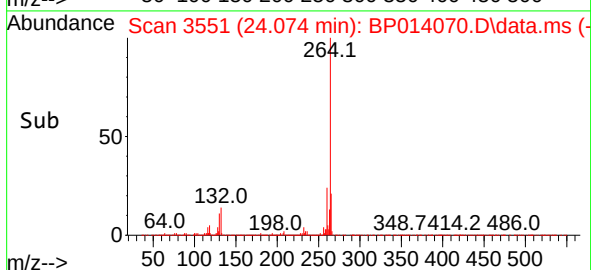
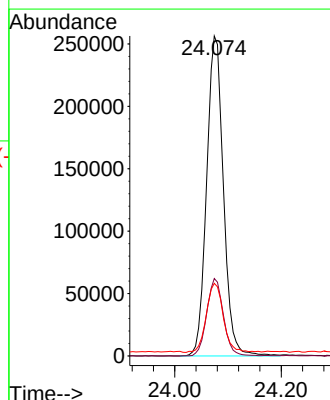
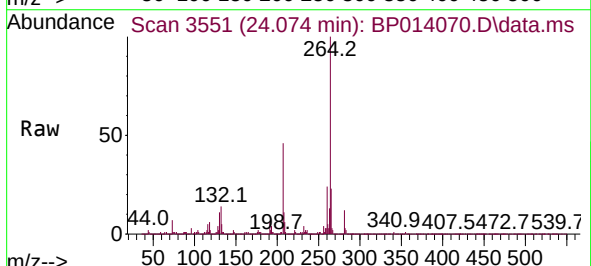
RT: 24.074 min Scan# 3551

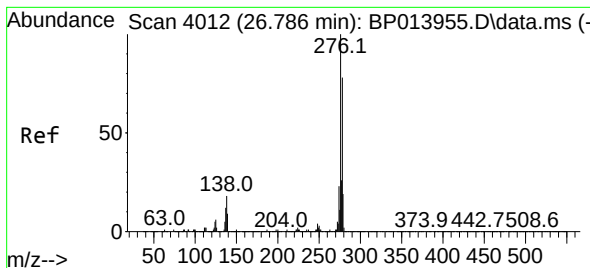
Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:264	Resp: 561278
Ion Ratio	Lower Upper
264 100	
260 24.2	19.4 29.2
265 22.7	17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.292 ng

RT: 26.733 min Scan# 4012

Delta R.T. -0.018 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

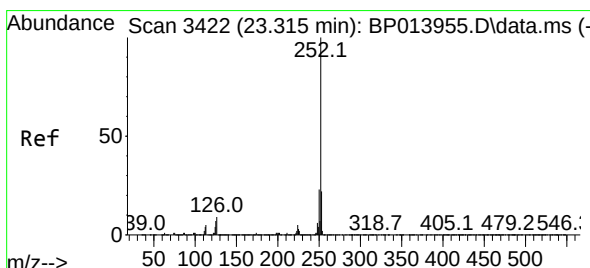
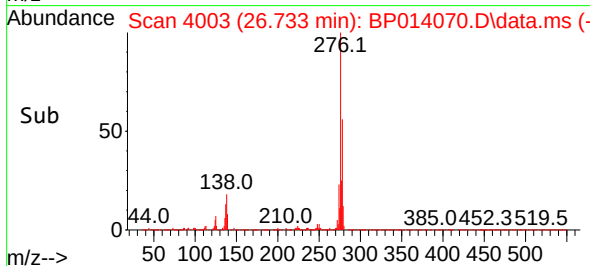
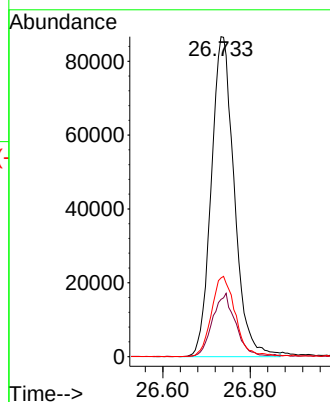
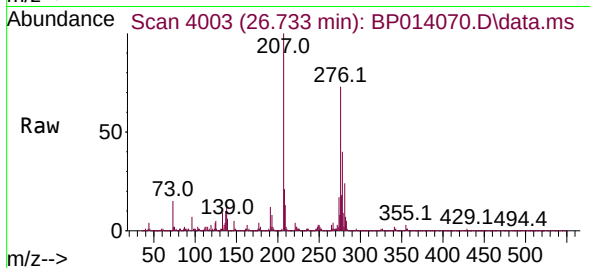
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:	276	Resp:	31624
Ion Ratio	Lower	Upper	
276	100		
138	19.7	13.8	20.8
277	26.0	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: 7.279 ng

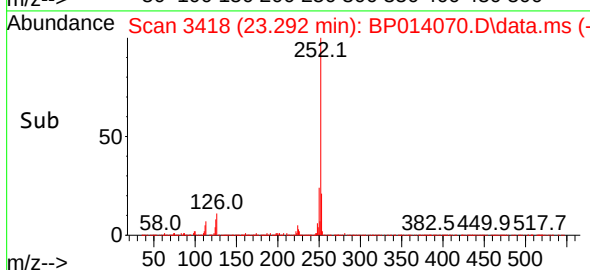
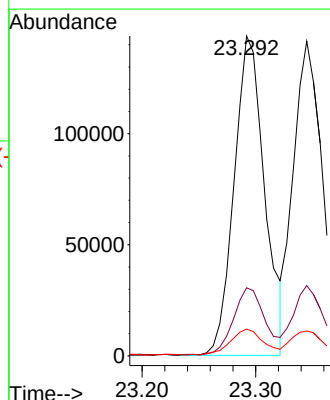
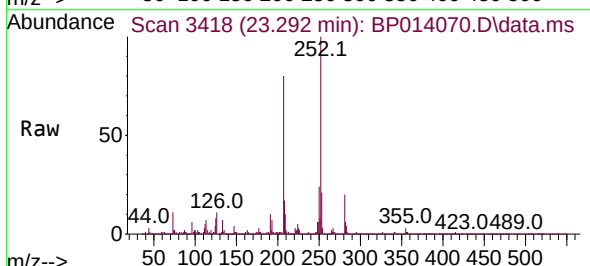
RT: 23.292 min Scan# 3418

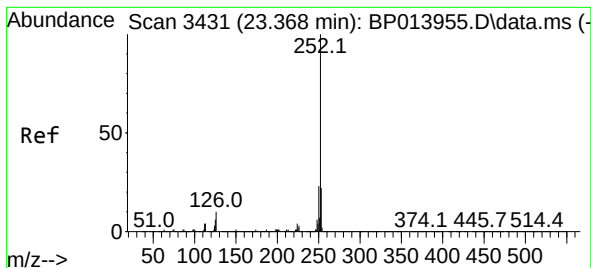
Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:	252	Resp:	267534
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.5	26.3
125	8.4	5.6	8.4





#89

Benzo(k)fluoranthene

Concen: 7.025 ng

RT: 23.345 min Scan# 34

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

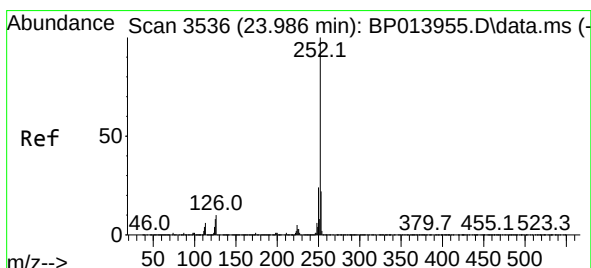
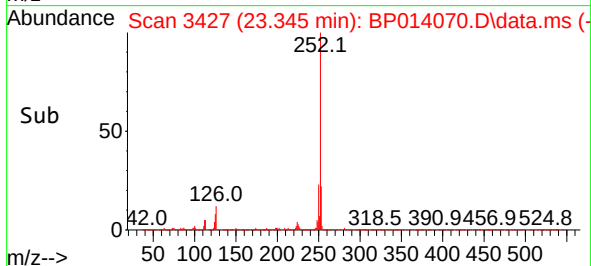
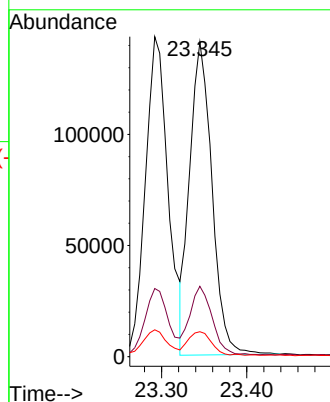
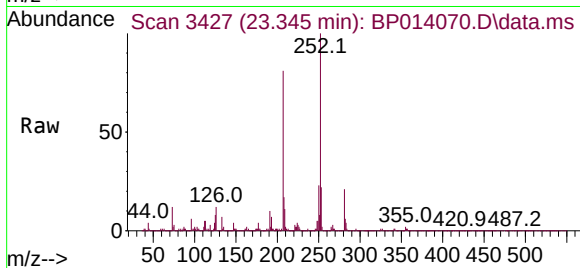
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion:252	Resp:	256000
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.4 26.0
125	7.9	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: 6.381 ng

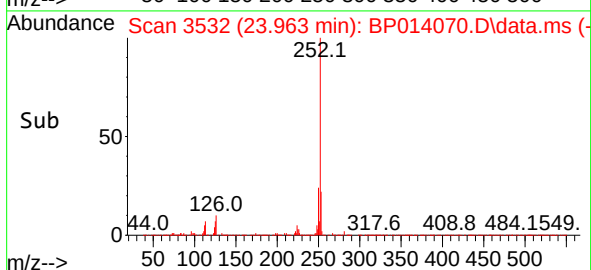
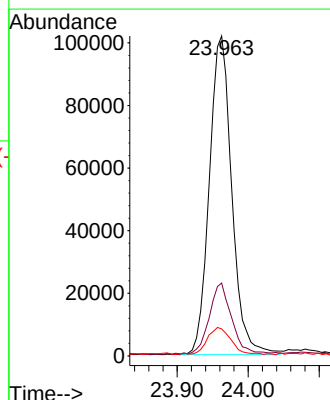
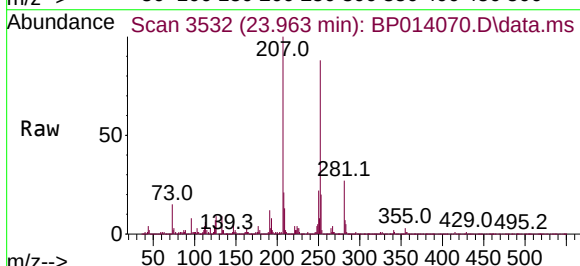
RT: 23.963 min Scan# 3532

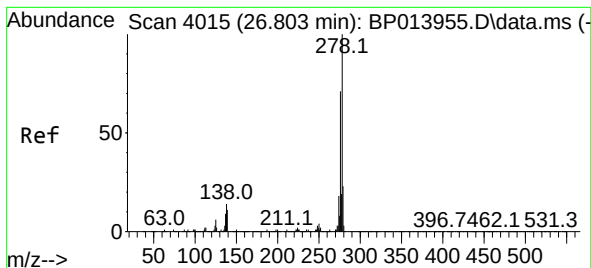
Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:252	Resp:	223694
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.4 26.2
125	8.4	6.2 9.4





#91

Dibenzo(a,h)anthracene

Concen: 7.424 ng

RT: 26.756 min Scan# 4015

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

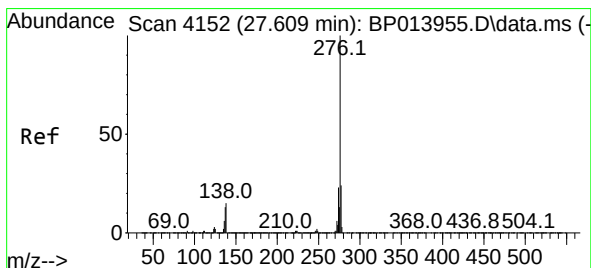
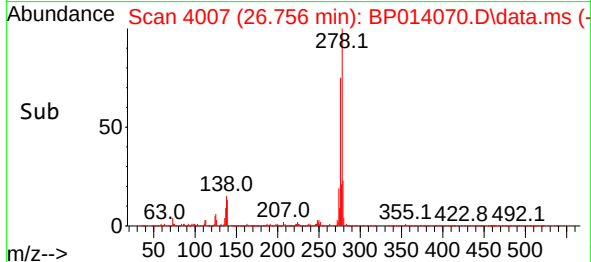
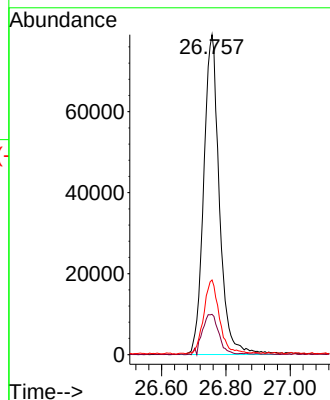
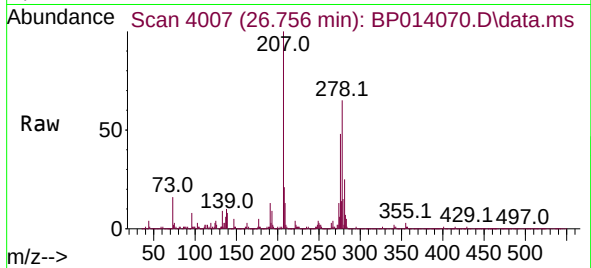
Tgt Ion:	278	Resp:	26767
Ion Ratio	Lower	Upper	
278	100		
139	12.6	8.7	13.1
279	23.3	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#92

Benzo(g,h,i)perylene

Concen: 7.393 ng

RT: 27.556 min Scan# 4143

Delta R.T. -0.012 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:	276	Resp:	264147
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.4	29.0
138	17.3	12.2	18.4

