

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031323\
 Data File : BP014065.D
 Acq On : 13 Mar 2023 13:04
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 14 04:18:49 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	8.081	152	151270	20.000	ng	0.00
21) Naphthalene-d8	10.905	136	521402	20.000	ng	# 0.00
39) Acenaphthene-d10	14.722	164	300080	20.000	ng	0.00
64) Phenanthrene-d10	17.475	188	588044	20.000	ng	0.00
76) Chrysene-d12	21.551	240	493172	20.000	ng	0.00
86) Perylene-d12	24.092	264	496456	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.617	112	1013392	108.644	ng	0.00
7) Phenol-d6	7.234	99	1299367	106.101	ng	0.00
23) Nitrobenzene-d5	9.258	82	943336	82.692	ng	0.00
42) 2,4,6-Tribromophenol	16.210	330	458753	94.290	ng	0.00
45) 2-Fluorobiphenyl	13.346	172	1825365	78.809	ng	0.00
79) Terphenyl-d14	20.010	244	2265859	75.760	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.475	88	18916	4.668	ng	92
3) Pyridine	3.905	79	55531	4.935	ng	99
4) n-Nitrosodimethylamine	3.799	42	25577	5.120	ng	# 97
6) Aniline	7.405	93	85885	5.339	ng	97
8) 2-Chlorophenol	7.640	128	54611	5.466	ng	93
9) Benzaldehyde	7.216	77	45434	7.414	ng	99
10) Phenol	7.258	94	71870	5.639	ng	92
11) bis(2-Chloroethyl)ether	7.499	93	55055	5.455	ng	97
12) 1,3-Dichlorobenzene	7.969	146	63634	5.796	ng	99
13) 1,4-Dichlorobenzene	8.116	146	63437	5.712	ng	97
14) 1,2-Dichlorobenzene	8.434	146	61569	5.788	ng	97
15) Benzyl Alcohol	8.328	79	49794	4.987	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.616	45	69519	6.327	ng	95
17) 2-Methylphenol	8.528	107	45145	4.966	ng	97
18) Hexachloroethane	9.169	117	22938	5.498	ng	97
19) n-Nitroso-di-n-propyla...	8.887	70	41100	5.099	ng	98
20) 3+4-Methylphenols	8.852	107	56312	4.600	ng	97
22) Acetophenone	8.916	105	65221	4.459	ng	# 99
24) Nitrobenzene	9.299	77	71308	6.109	ng	95
25) Isophorone	9.822	82	107843	5.131	ng	98
26) 2-Nitrophenol	10.010	139	24896	4.904	ng	94
27) 2,4-Dimethylphenol	10.069	122	44403	5.379	ng	99
28) bis(2-Chloroethoxy)met...	10.305	93	67972	5.587	ng	98
29) 2,4-Dichlorophenol	10.552	162	45431	5.027	ng	97
30) 1,2,4-Trichlorobenzene	10.763	180	56980	5.554	ng	97
31) Naphthalene	10.957	128	157819	5.508	ng	99
32) Benzoic acid	10.157	122	9380m	3.995	ng	
33) 4-Chloroaniline	11.075	127	59356	4.833	ng	98
34) Hexachlorobutadiene	11.234	225	37469	5.023	ng	100
35) Caprolactam	11.846	113	8827m	3.412	ng	
36) 4-Chloro-3-methylphenol	12.181	107	48033	4.766	ng	97
37) 2-Methylnaphthalene	12.557	142	111279	5.265	ng	97
38) 1-Methylnaphthalene	12.775	142	103143m	5.235	ng	
40) 1,2,4,5-Tetrachloroben...	12.916	216	51453	4.498	ng	98
41) Hexachlorocyclopentadiene	12.893	237	34631	4.824	ng	98
43) 2,4,6-Trichlorophenol	13.157	196	36741	5.082	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.234	196	38758	4.626	ng	97
46) 1,1'-Biphenyl	13.551	154	114200	4.728	ng	97
47) 2-Chloronaphthalene	13.598	162	110916	5.965	ng	99
48) 2-Nitroaniline	13.810	65	26965	4.778	ng	95
49) Acenaphthylene	14.445	152	159726	5.402	ng	100
50) Dimethylphthalate	14.169	163	132964	5.371	ng	98
51) 2,6-Dinitrotoluene	14.293	165	25863	4.961	ng	99
52) Acenaphthene	14.781	154	96948	5.446	ng	96
53) 3-Nitroaniline	14.634	138	21873	4.281	ng	97
54) 2,4-Dinitrophenol	14.840	184	10764	5.756	ng	# 88
55) Dibenzofuran	15.116	168	166533	5.739	ng	97
56) 4-Nitrophenol	14.940	139	15394	3.700	ng	# 76
57) 2,4-Dinitrotoluene	15.081	165	30616	4.393	ng	# 96
58) Fluorene	15.769	166	122271	5.306	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.345	232	35600m	4.871	ng	
60) Diethylphthalate	15.528	149	118262	4.838	ng	99
61) 4-Chlorophenyl-phenyle...	15.757	204	67001	5.129	ng	97
62) 4-Nitroaniline	15.792	138	20061	3.943	ng	# 85
63) Azobenzene	16.051	77	114778	5.075	ng	97
65) 4,6-Dinitro-2-methylph...	15.845	198	15037	3.452	ng	96
66) n-Nitrosodiphenylamine	15.969	169	102121	5.496	ng	95
67) 4-Bromophenyl-phenylether	16.657	248	38738	4.980	ng	96
68) Hexachlorobenzene	16.775	284	46388	5.564	ng	96
69) Atrazine	16.922	200	26114	4.003	ng	98
70) Pentachlorophenol	17.128	266	23606	3.926	ng	98
71) Phenanthrene	17.516	178	186496	5.677	ng	99
72) Anthracene	17.610	178	175462	5.227	ng	98
73) Carbazole	17.881	167	149328	5.157	ng	98
74) Di-n-butylphthalate	18.410	149	165277	4.565	ng	100
75) Fluoranthene	19.475	202	196169	4.996	ng	98
77) Benzidine	19.651	184	55676	7.478	ng	97
78) Pyrene	19.828	202	206848	5.465	ng	98
80) Butylbenzylphthalate	20.680	149	60850	4.240	ng	99
81) Benzo(a)anthracene	21.539	228	188372	5.206	ng	99
82) 3,3'-Dichlorobenzidine	21.463	252	49094	4.240	ng	95
83) Chrysene	21.592	228	188418	5.498	ng	100
84) Bis(2-ethylhexyl)phtha...	21.433	149	84996	4.037	ng	99
85) Di-n-octyl phthalate	22.398	149	134245	3.928	ng	96
87) Indeno(1,2,3-cd)pyrene	26.762	276	202299	5.274	ng	97
88) Benzo(b)fluoranthene	23.310	252	181784	5.592	ng	99
89) Benzo(k)fluoranthene	23.363	252	170757	5.298	ng	# 94
90) Benzo(a)pyrene	23.980	252	153134	4.939	ng	98
91) Dibenzo(a,h)anthracene	26.780	278	168927	5.297	ng	# 96
92) Benzo(g,h,i)perylene	27.586	276	172136	5.447	ng	99

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

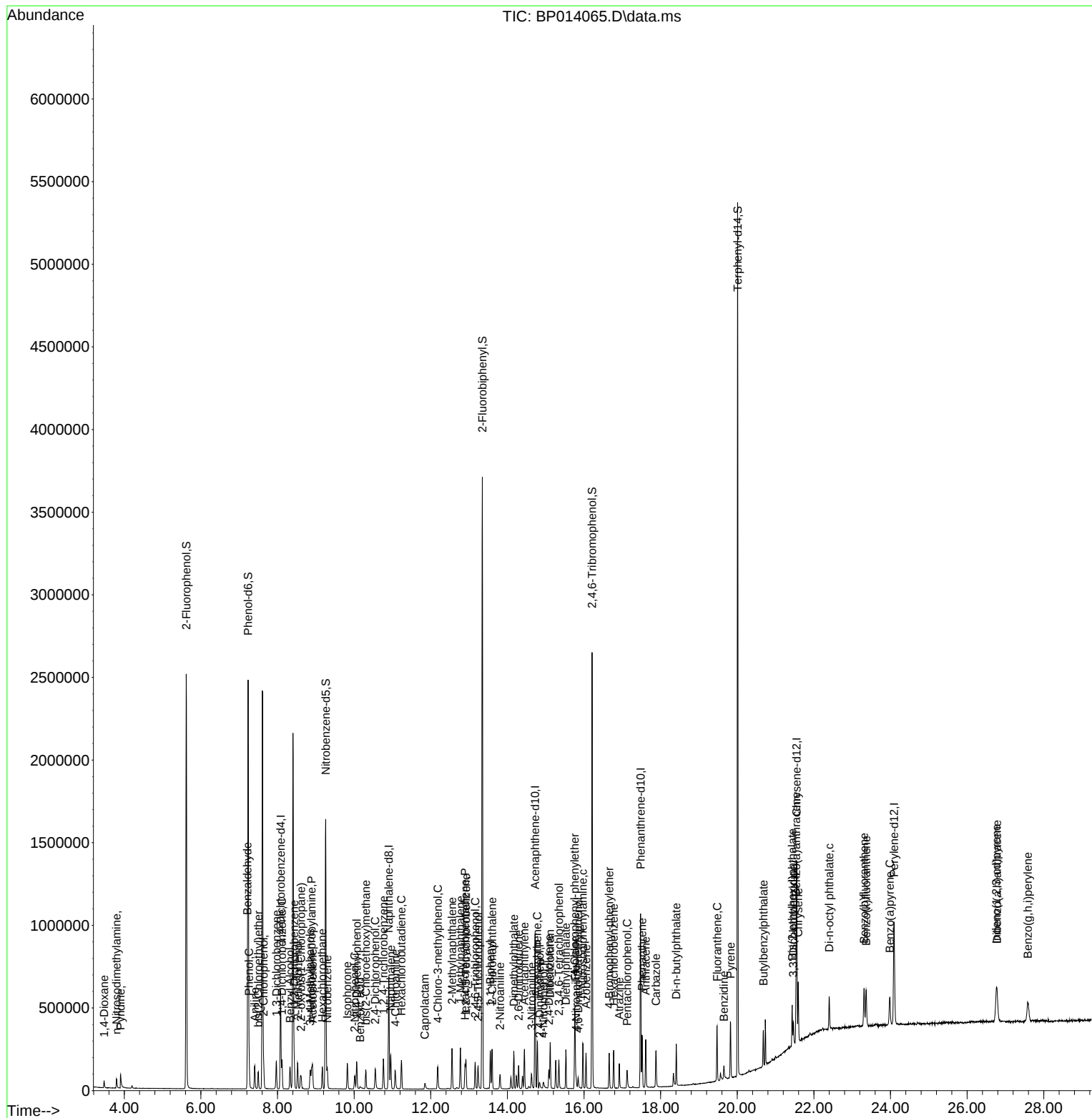
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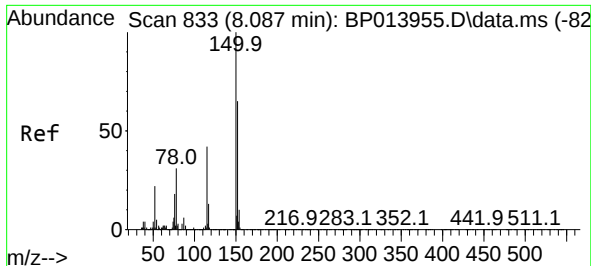
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BNA_P
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LOQ-SOIL-02-QT1-2023

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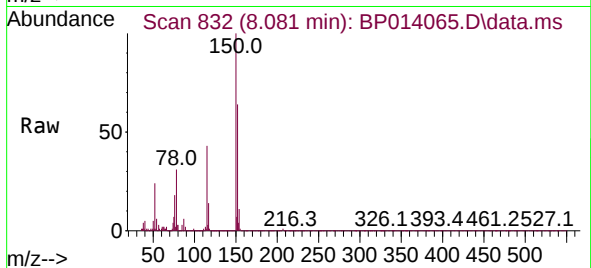
Reviewed By : Christian Giraldo 03/14/2023
Supervised By : Jagrut Upadhyay 03/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.081 min Scan# 833
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

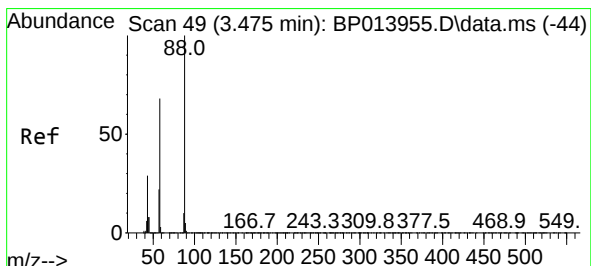
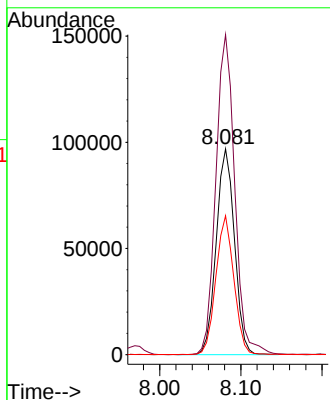
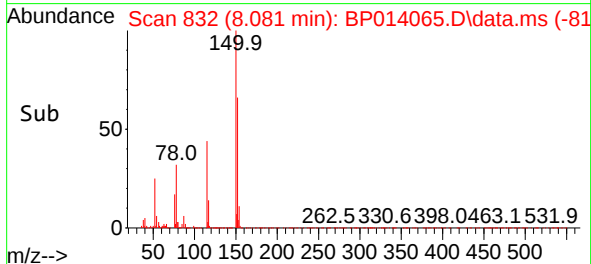
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 152 Resp: 151270
Ion Ratio Lower Upper
152 100
150 155.6 122.3 183.5
115 67.5 51.6 77.4

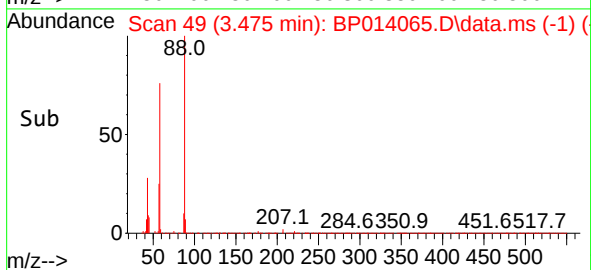
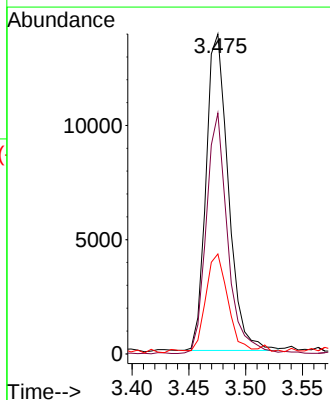
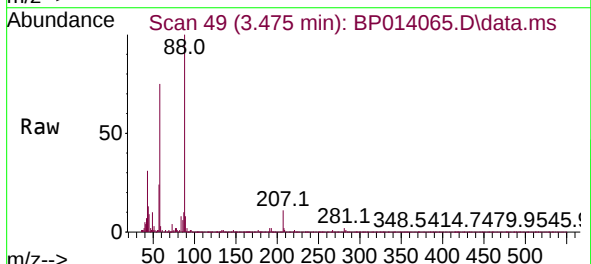
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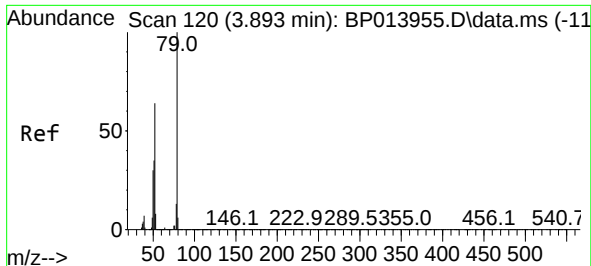
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#2
1,4-Dioxane
Concen: 4.668 ng
RT: 3.475 min Scan# 49
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion: 88 Resp: 18916
Ion Ratio Lower Upper
88 100
58 73.4 53.8 80.8
43 32.2 22.1 33.1





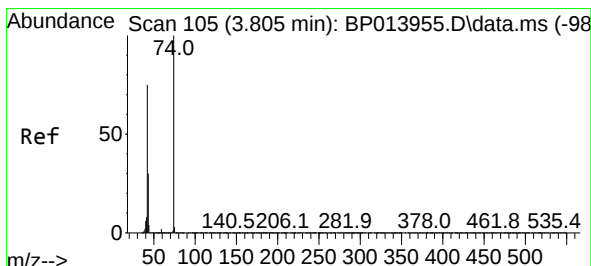
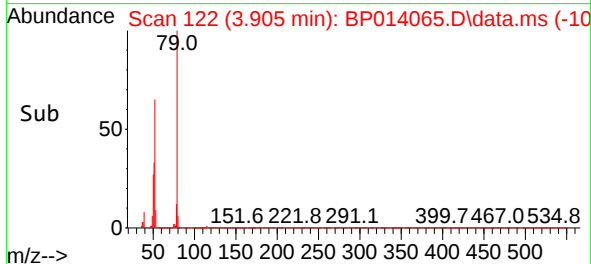
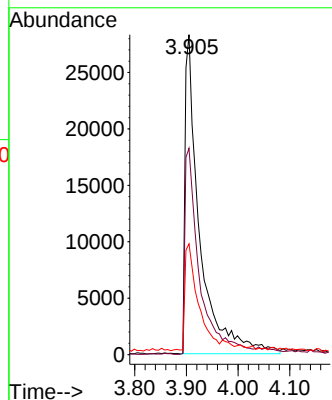
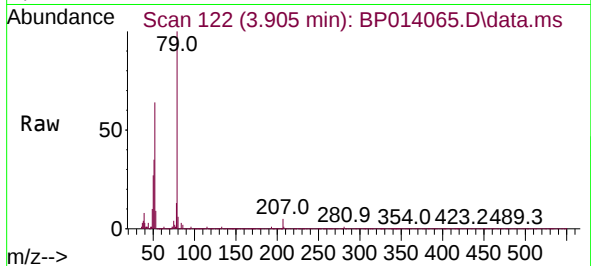
#3
Pyridine
Concen: 4.935 ng
RT: 3.905 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 79 Resp: 5553
Ion Ratio Lower Upper
79 100
52 64.5 51.0 76.4
51 34.6 28.2 42.2

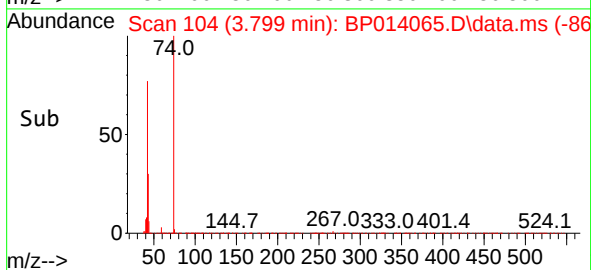
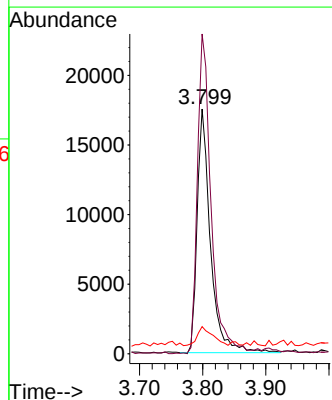
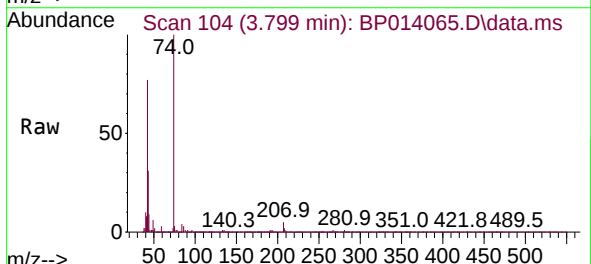
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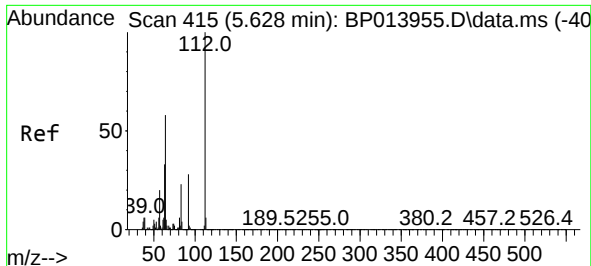
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#4
n-Nitrosodimethylamine
Concen: 5.120 ng
RT: 3.799 min Scan# 104
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

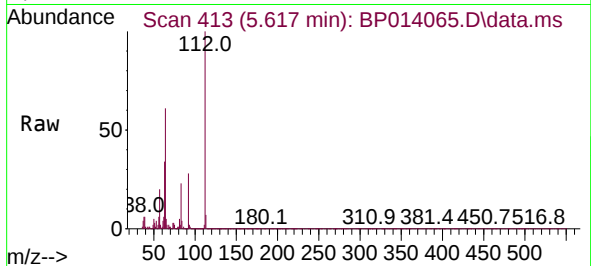
Tgt Ion: 42 Resp: 25577
Ion Ratio Lower Upper
42 100
74 130.7 107.0 160.6
44 11.2 4.5 6.7#





#5
2-Fluorophenol
Concen: 108.644 ng
RT: 5.617 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

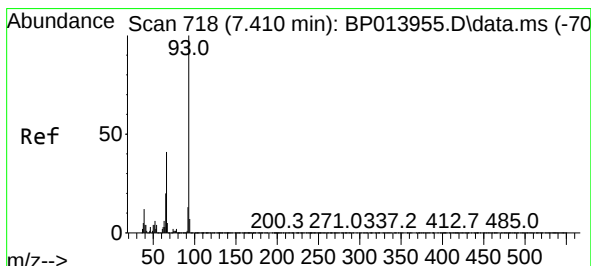
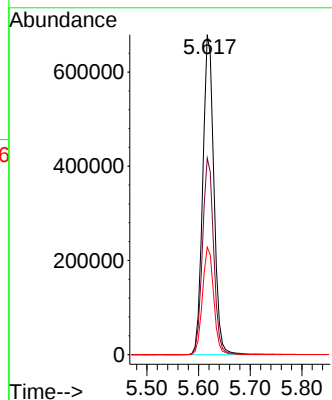
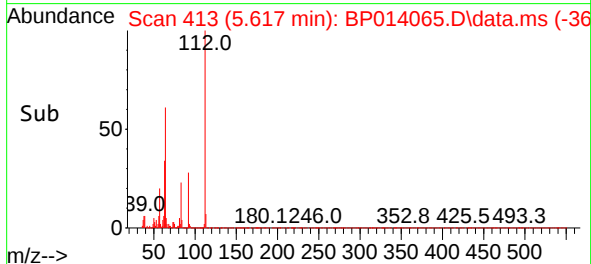
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 112 Resp: 1013392
Ion Ratio Lower Upper
112 100
64 61.4 46.7 70.1
63 33.6 26.6 40.0

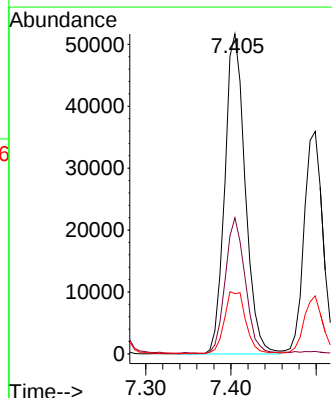
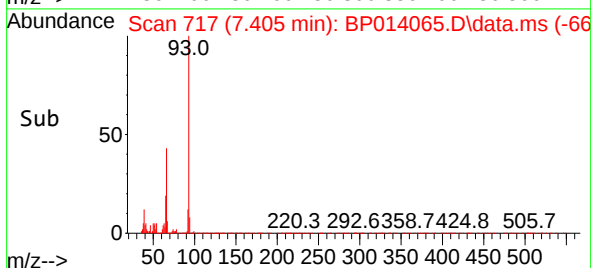
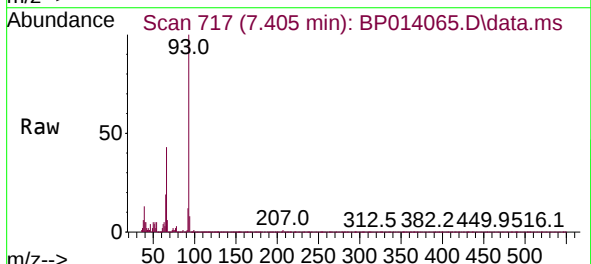
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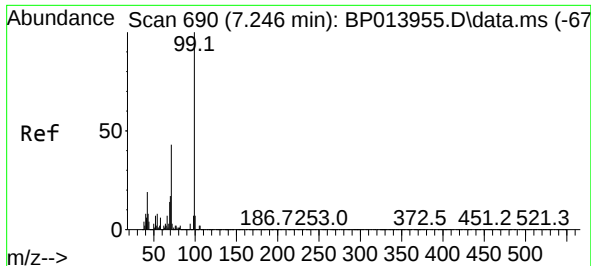
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#6
Aniline
Concen: 5.339 ng
RT: 7.405 min Scan# 717
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

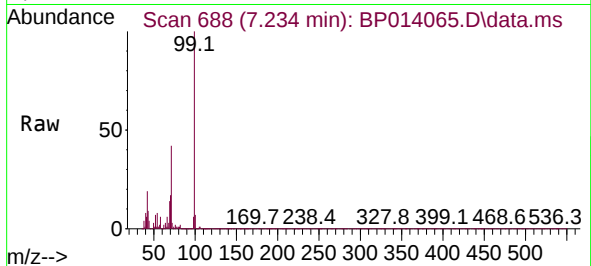
Tgt Ion: 93 Resp: 85885
Ion Ratio Lower Upper
93 100
66 42.5 32.6 48.8
65 18.8 16.0 24.0





#7
Phenol-d6
Concen: 106.101 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

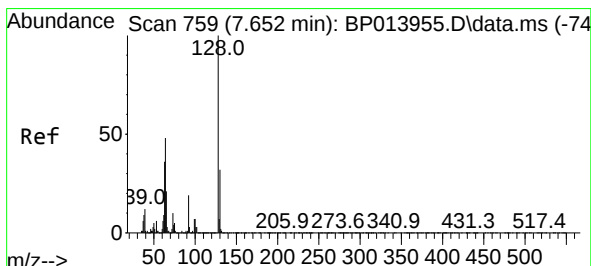
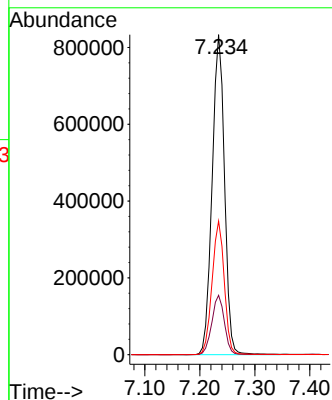
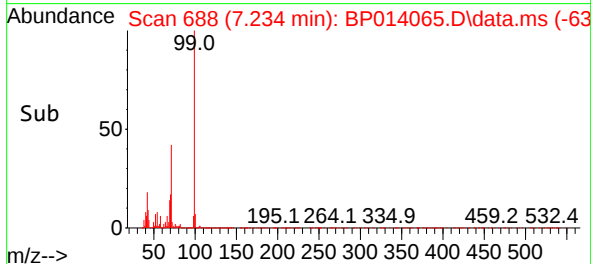
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 129936
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.6
71 41.7 34.3 51.5

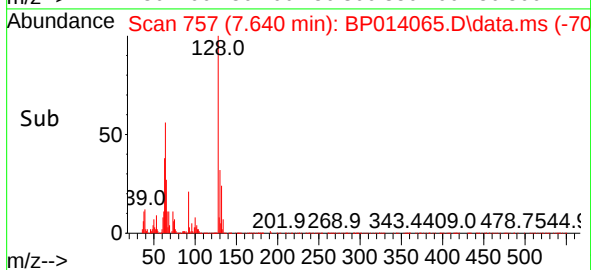
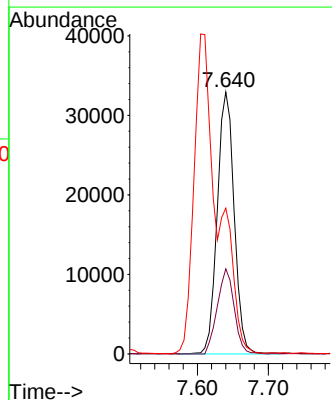
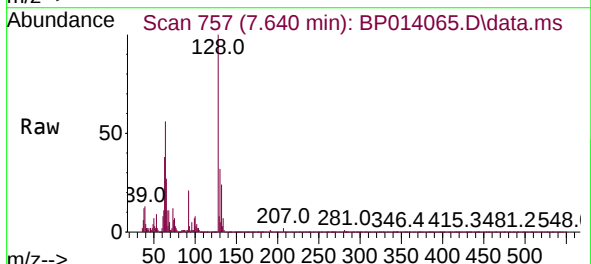
Manual Integrations
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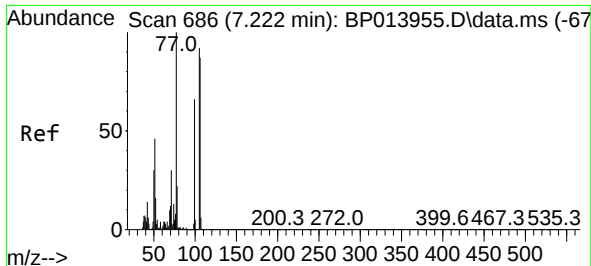
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#8
2-Chlorophenol
Concen: 5.466 ng
RT: 7.640 min Scan# 757
Delta R.T. 0.006 min
Lab File: BP014065.D
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Tgt Ion:128 Resp: 54611
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 55.7 27.6 67.6





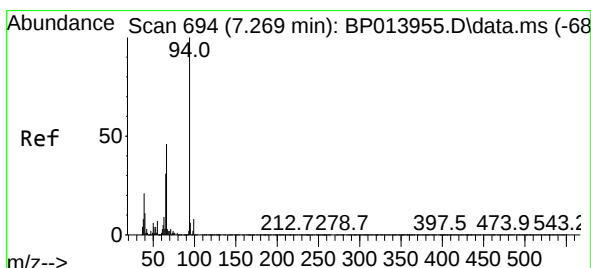
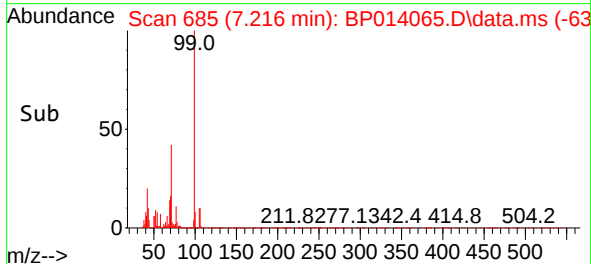
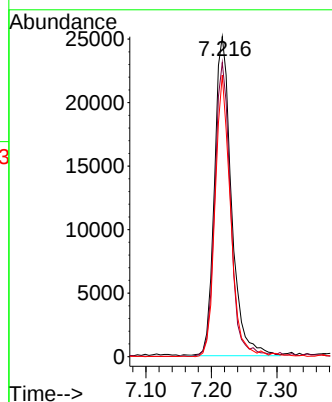
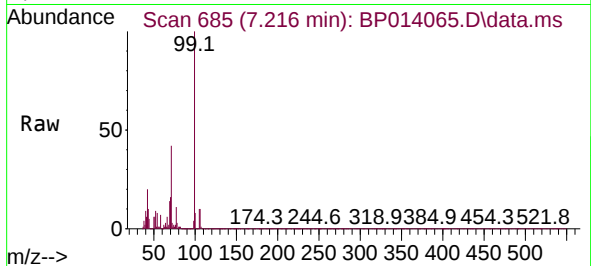
#9
Benzaldehyde
Concen: 7.414 ng
RT: 7.216 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 77 Resp: 45434
Ion Ratio Lower Upper
77 100
105 91.9 72.4 112.4
106 88.0 66.9 106.9

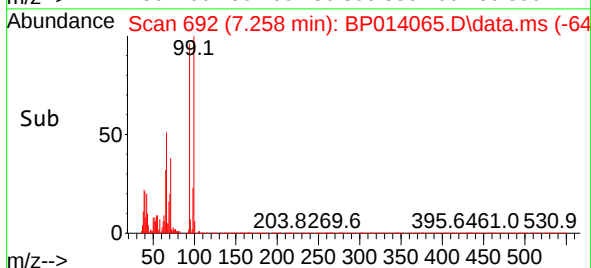
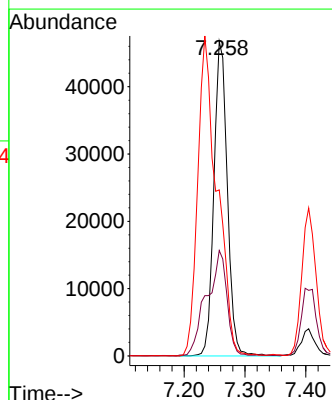
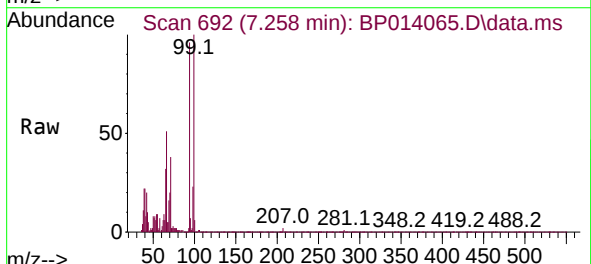
Manual Integrations
APPROVED

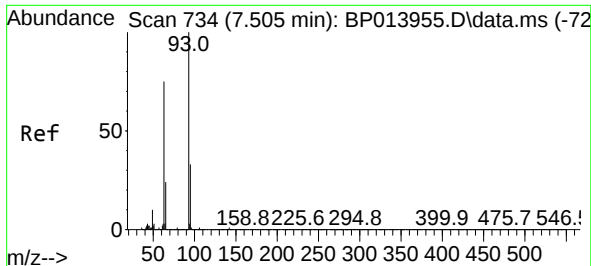
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#10
Phenol
Concen: 5.639 ng
RT: 7.258 min Scan# 692
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion: 94 Resp: 71870
Ion Ratio Lower Upper
94 100
65 33.5 10.9 50.9
66 52.8 26.1 66.1





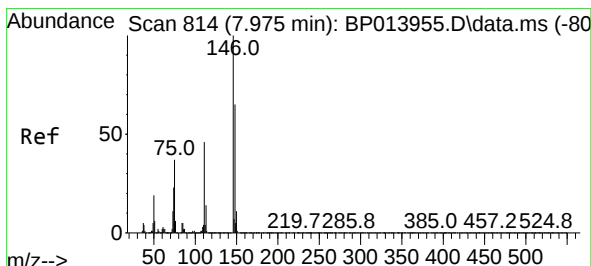
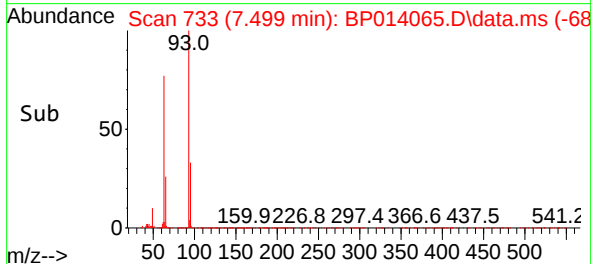
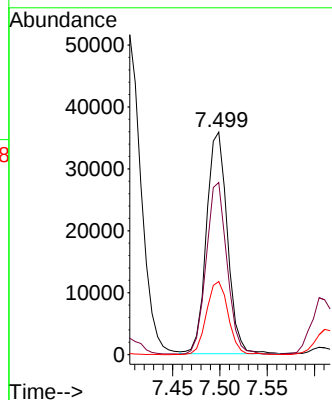
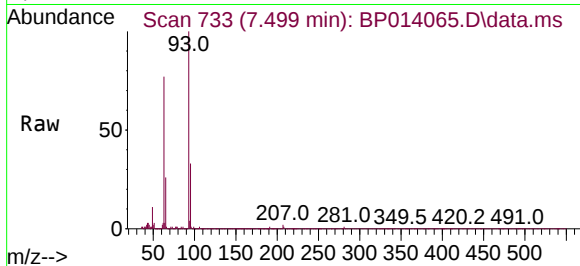
#11
bis(2-Chloroethyl)ether
Concen: 5.455 ng
RT: 7.499 min Scan# 734
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 93 Resp: 55055
Ion Ratio Lower Upper
93 100
63 77.3 54.2 94.2
95 32.8 12.7 52.7

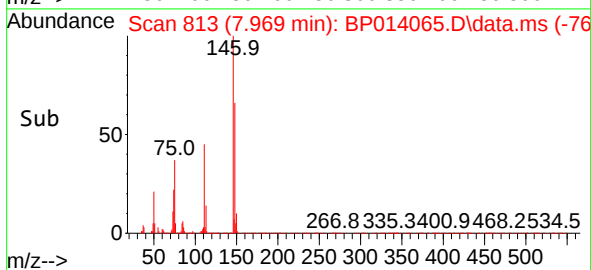
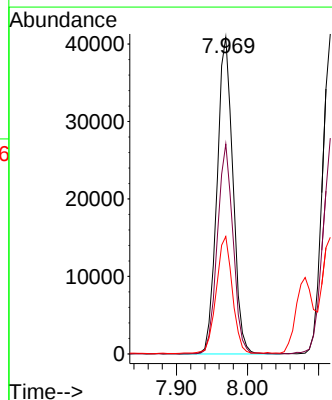
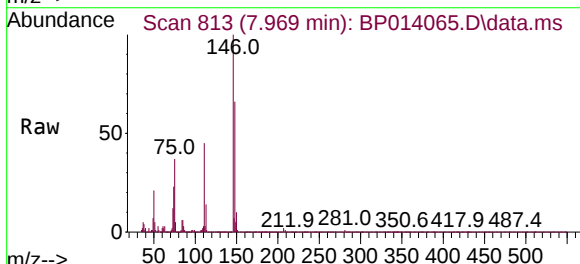
Manual Integrations
APPROVED

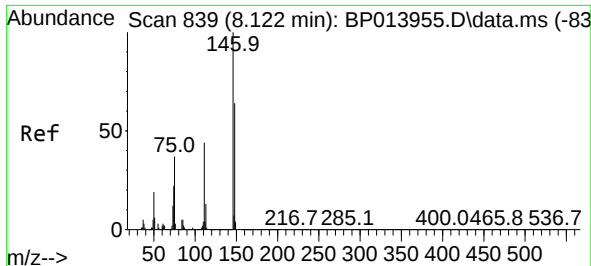
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#12
1,3-Dichlorobenzene
Concen: 5.796 ng
RT: 7.969 min Scan# 813
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:146 Resp: 63634
Ion Ratio Lower Upper
146 100
148 66.2 52.1 78.1
75 37.1 29.4 44.0





#13

1,4-Dichlorobenzene

Concen: 5.712 ng

RT: 8.116 min Scan# 81

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

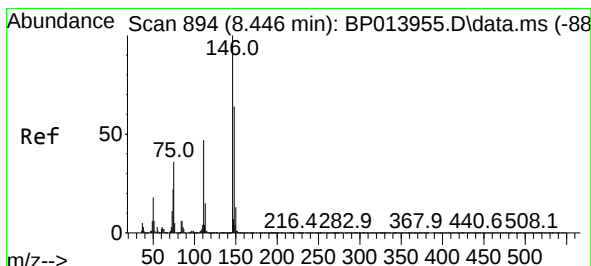
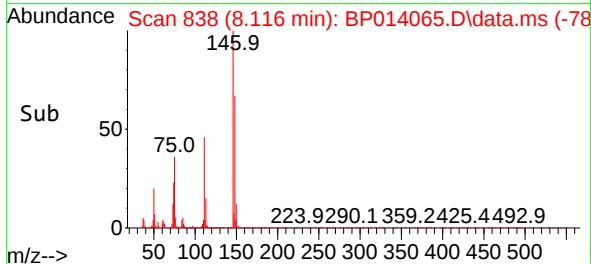
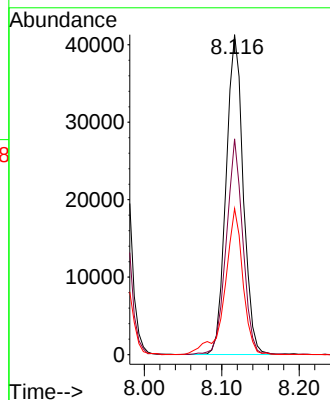
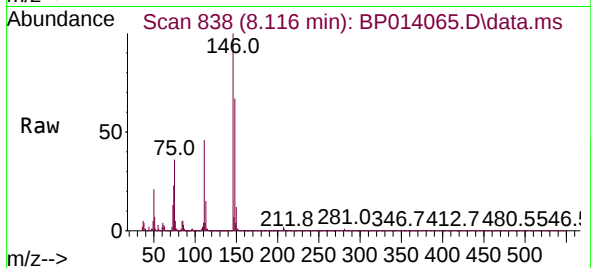
LOQ-SOIL-02-QT1-2023

Tgt Ion:	146	Resp:	6343
Ion Ratio	Lower	Upper	
146	100		
148	67.4	51.4	77.2
111	45.6	35.1	52.7

Manual Integrations

APPROVED

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



#14

1,2-Dichlorobenzene

Concen: 5.788 ng

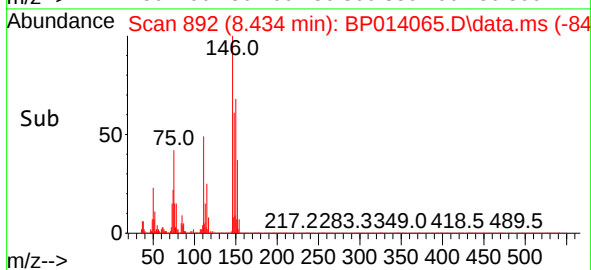
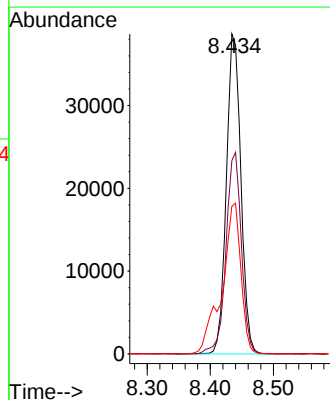
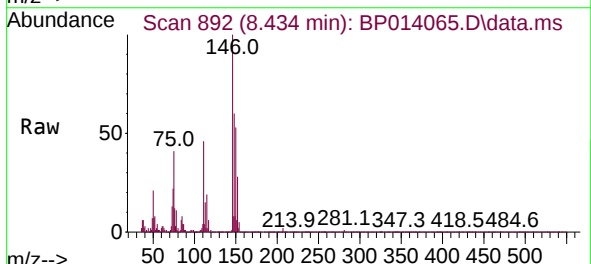
RT: 8.434 min Scan# 892

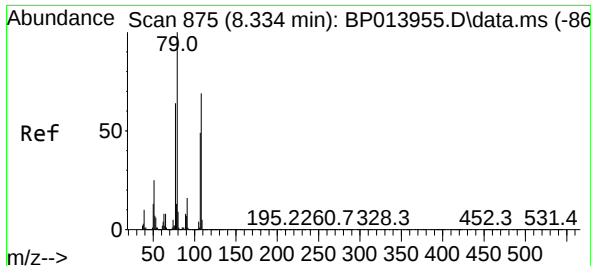
Delta R.T. 0.000 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

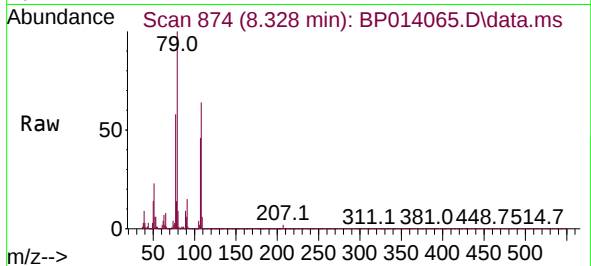
Tgt Ion:	146	Resp:	61569
Ion Ratio	Lower	Upper	
146	100		
148	60.4	51.4	77.0
111	46.1	37.2	55.8





#15
Benzyl Alcohol
Concen: 4.987 ng
RT: 8.328 min Scan# 81
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

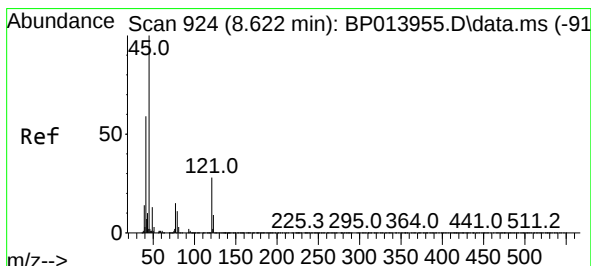
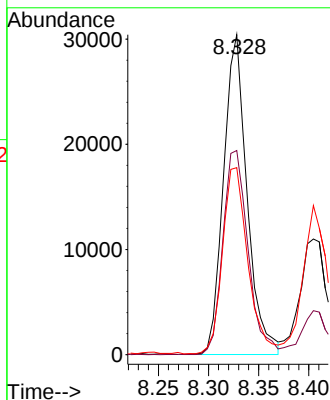
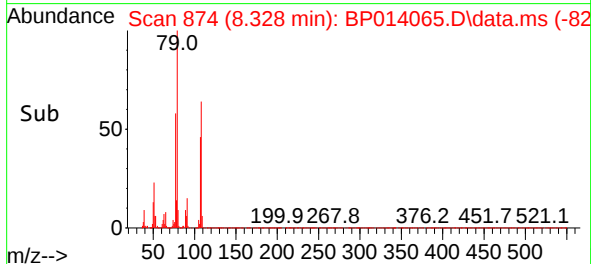
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 79 Resp: 49794
Ion Ratio Lower Upper
79 100
108 63.8 54.9 82.3
77 58.4 51.4 77.0

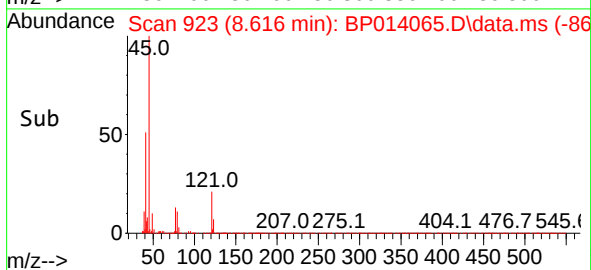
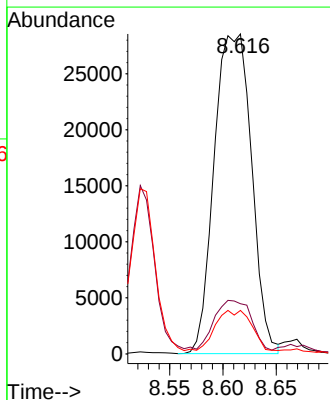
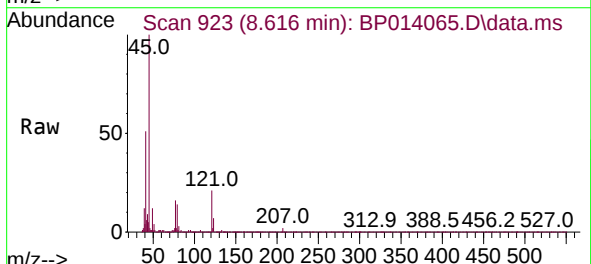
Manual Integrations
APPROVED

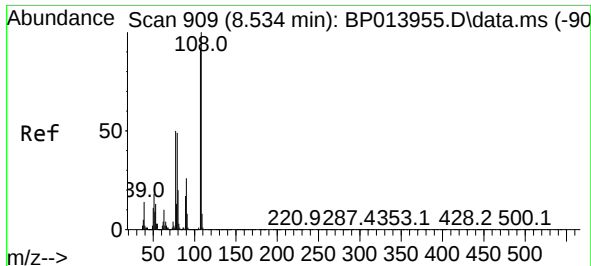
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.327 ng
RT: 8.616 min Scan# 923
Delta R.T. 0.018 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion: 45 Resp: 69519
Ion Ratio Lower Upper
45 100
77 15.7 0.0 38.7
79 13.6 0.0 34.4





#17

2-Methylphenol

Concen: 4.966 ng

RT: 8.528 min Scan# 90

Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

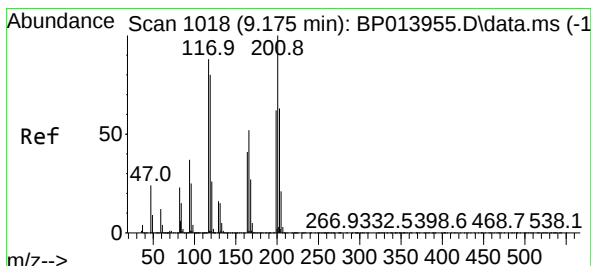
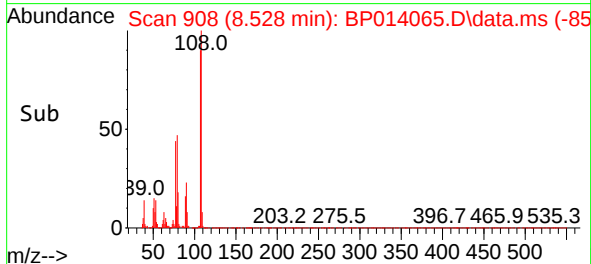
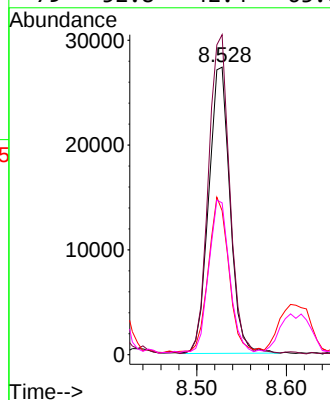
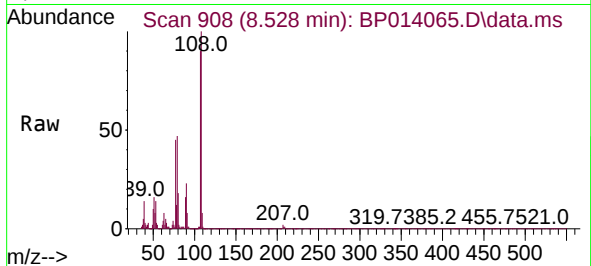
Tgt Ion:	107	Resp:	4514
Ion Ratio	Lower	Upper	
107	100		
108	111.3	87.0	130.4
77	50.1	44.0	66.0
79	52.8	42.4	63.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#18

Hexachloroethane

Concen: 5.498 ng

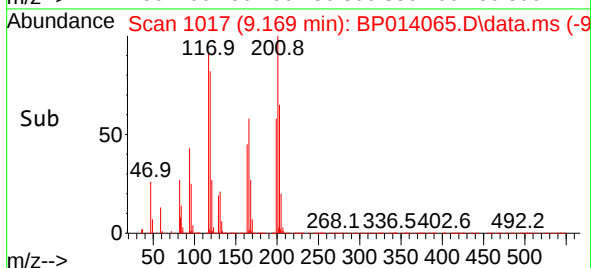
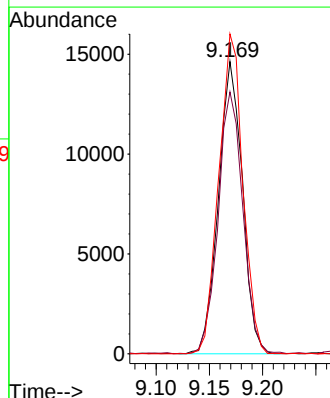
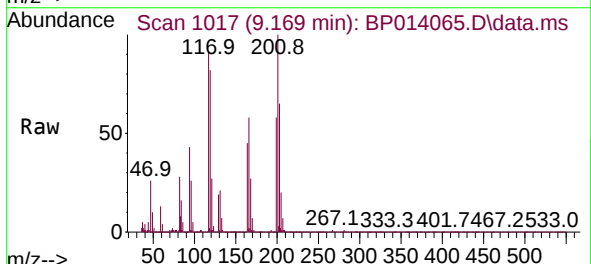
RT: 9.169 min Scan# 1017

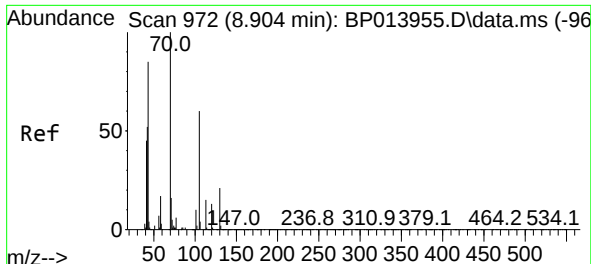
Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	117	Resp:	22938
Ion Ratio	Lower	Upper	
117	100		
119	89.6	73.3	109.9
201	109.4	91.1	136.7





#19

n-Nitroso-di-n-propylamine

Concen: 5.099 ng

RT: 8.887 min Scan# 90

Delta R.T. -0.006 min

Lab File: BP014065.D

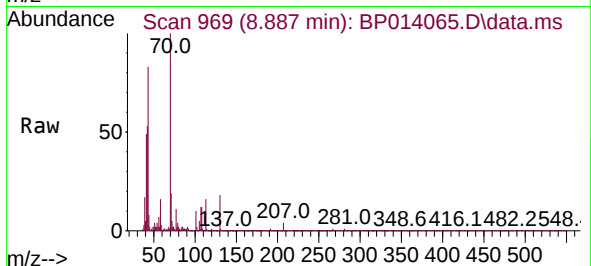
Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023



Tgt Ion: 70 Resp: 41100

Ion Ratio Lower Upper

70 100

42 52.6 42.4 63.6

101 9.9 8.2 12.4

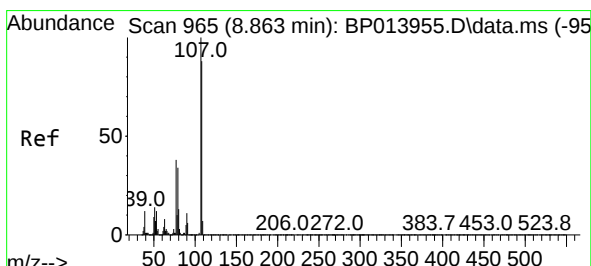
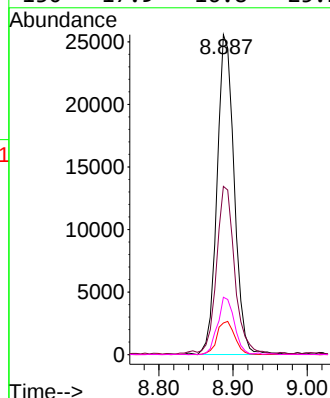
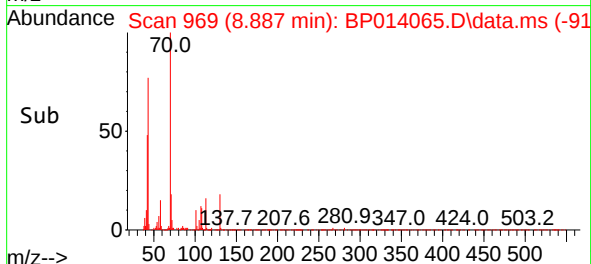
130 17.9 16.8 25.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#20

3+4-Methylphenols

Concen: 4.600 ng

RT: 8.852 min Scan# 963

Delta R.T. 0.000 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:107 Resp: 56312

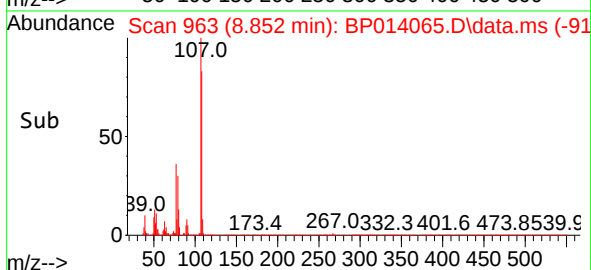
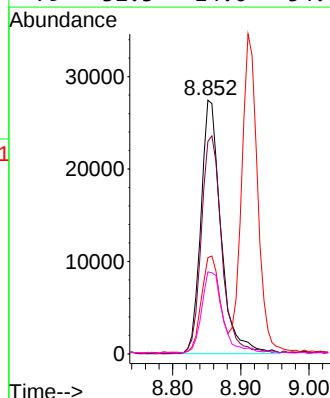
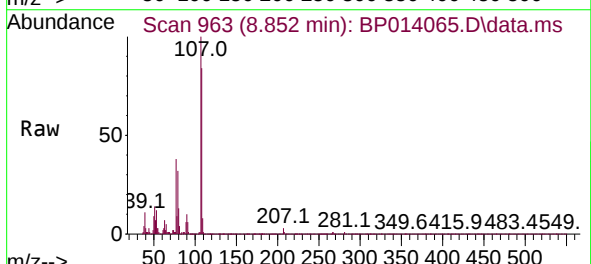
Ion Ratio Lower Upper

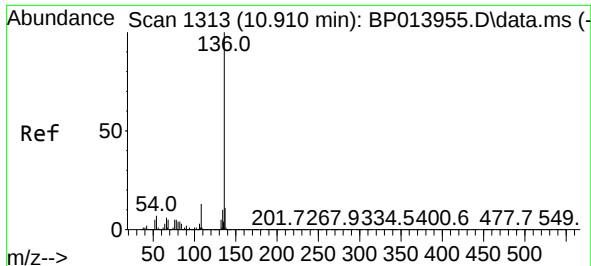
107 100

108 83.7 68.2 108.2

77 37.9 18.1 58.1

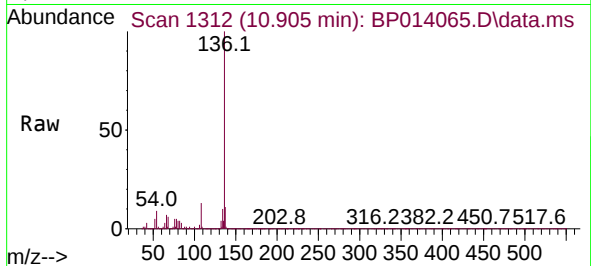
79 32.3 14.0 54.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.905 min Scan# 1313
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

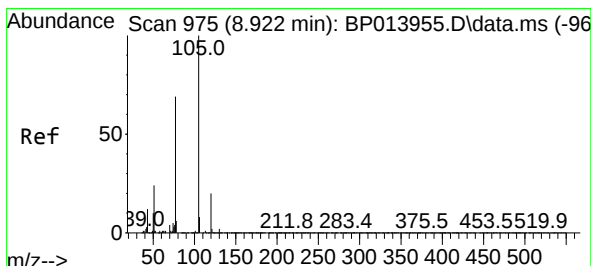
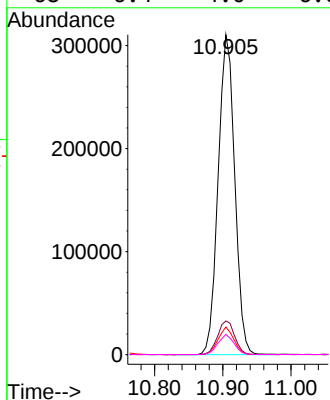
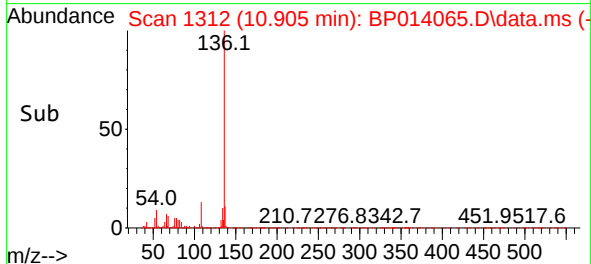
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



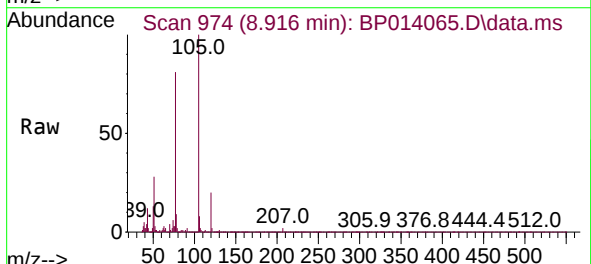
Tgt Ion:136 Resp: 521402
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.6 5.8 8.8
68 6.4 4.0 6.0#

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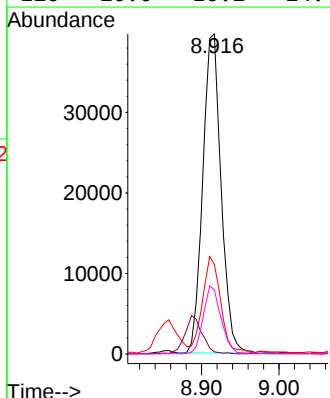
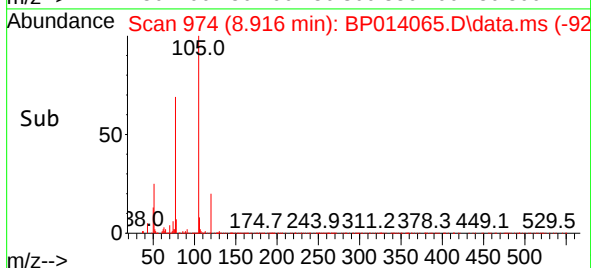
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

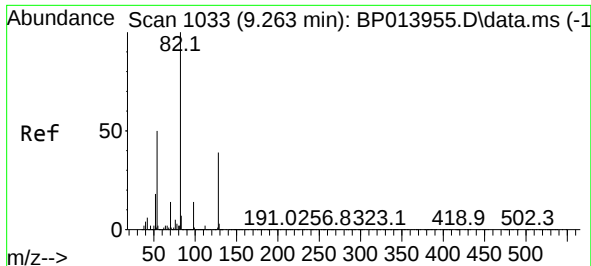


#22
Acetophenone
Concen: 4.459 ng
RT: 8.916 min Scan# 974
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04



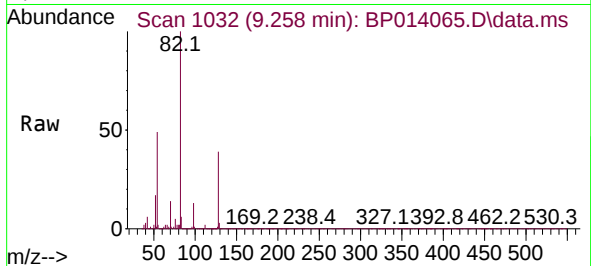
Tgt Ion:105 Resp: 65221
Ion Ratio Lower Upper
105 100
71 0.6 1.4 2.0#
51 27.9 21.5 32.3
120 20.0 16.2 24.4





#23
Nitrobenzene-d5
Concen: 82.692 ng
RT: 9.258 min Scan# 1032
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

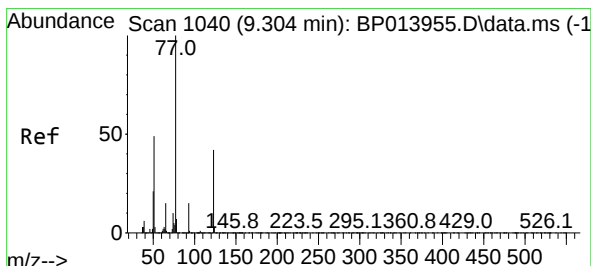
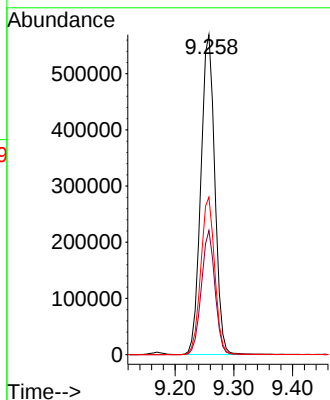
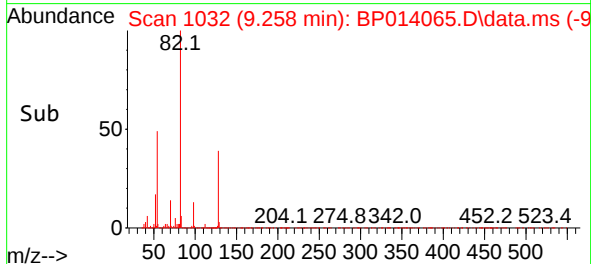
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 82 Resp: 943336
Ion Ratio Lower Upper
82 100
128 38.8 31.1 46.7
54 49.2 40.0 60.0

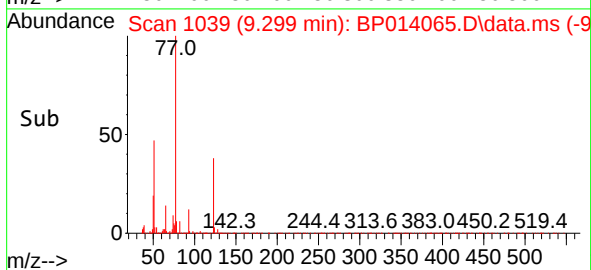
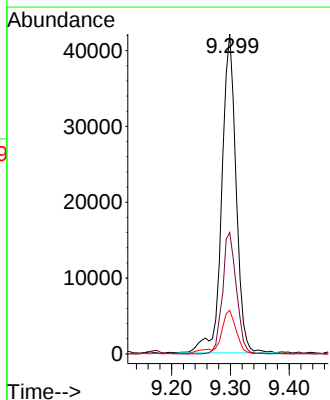
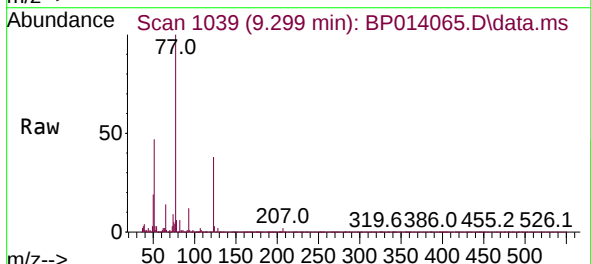
Manual Integrations
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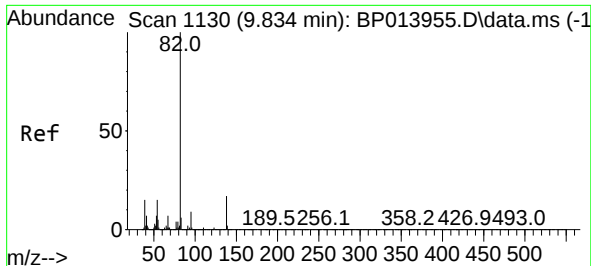
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#24
Nitrobenzene
Concen: 6.109 ng
RT: 9.299 min Scan# 1039
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion: 77 Resp: 71308
Ion Ratio Lower Upper
77 100
123 37.9 33.6 50.4
65 13.6 11.6 17.4





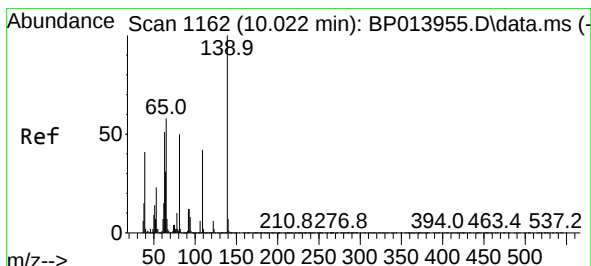
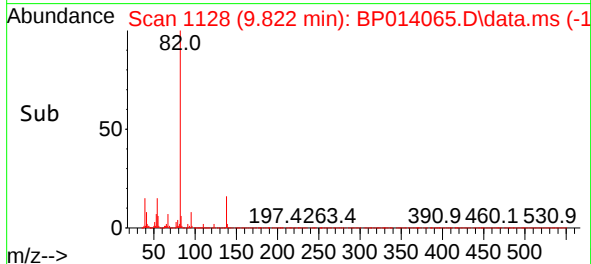
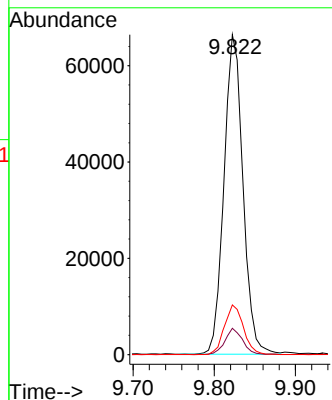
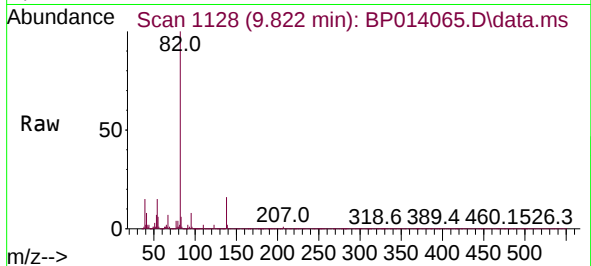
#25
Isophorone
Concen: 5.131 ng
RT: 9.822 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion: 82 Resp: 107843
Ion Ratio Lower Upper
82 100
95 8.3 6.9 10.3
138 15.5 13.3 19.9

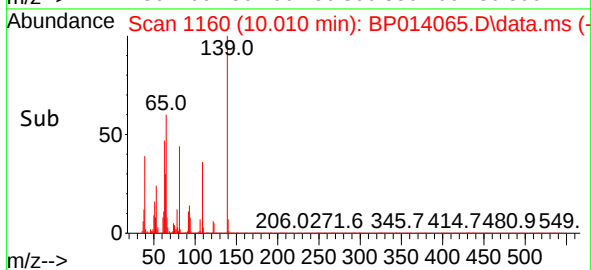
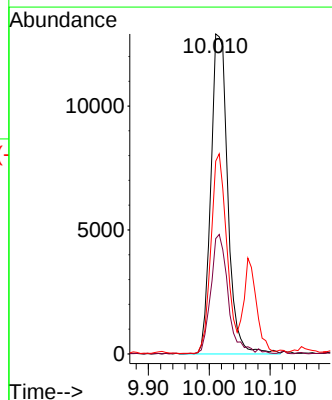
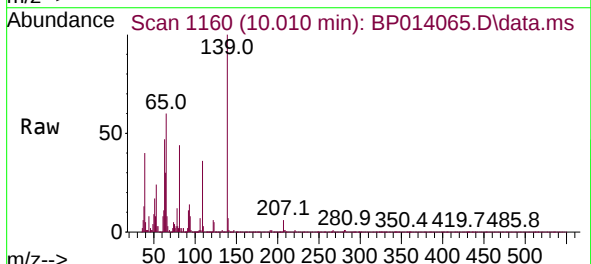
Manual Integrations
APPROVED

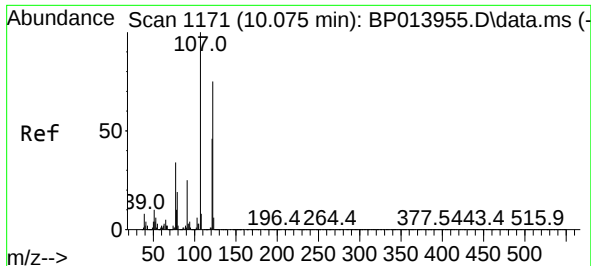
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#26
2-Nitrophenol
Concen: 4.904 ng
RT: 10.010 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

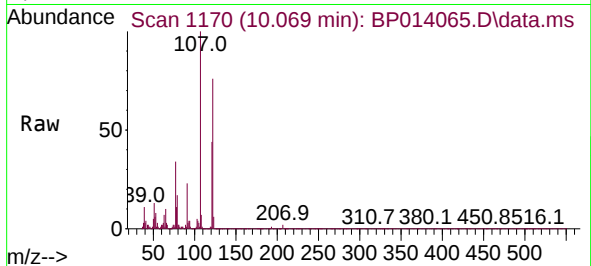
Tgt Ion:139 Resp: 24896
Ion Ratio Lower Upper
139 100
109 36.0 33.8 50.8
65 60.2 46.6 70.0





#27
2,4-Dimethylphenol
Concen: 5.379 ng
RT: 10.069 min Scan# 1170
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

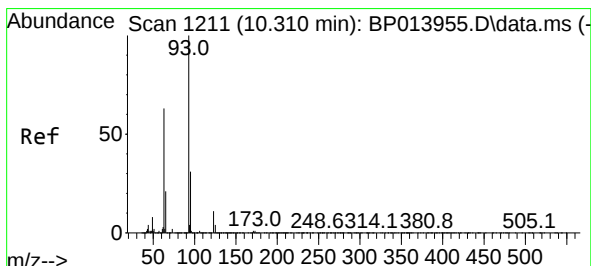
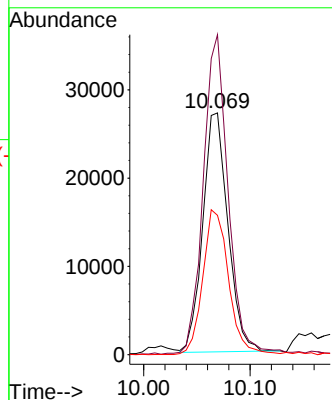
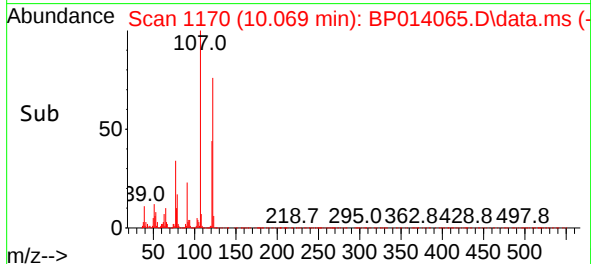
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



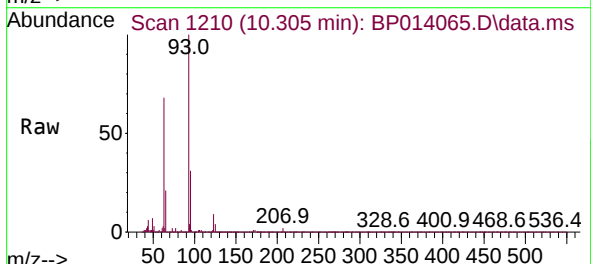
Tgt Ion: 122 Resp: 44403
Ion Ratio Lower Upper
122 100
107 132.4 105.9 158.9
121 57.7 49.0 73.4

Manual Integrations
APPROVED

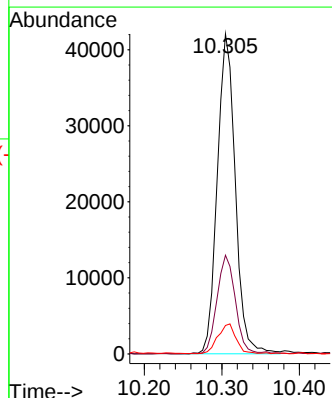
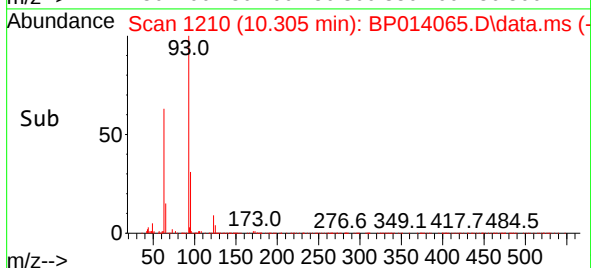
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

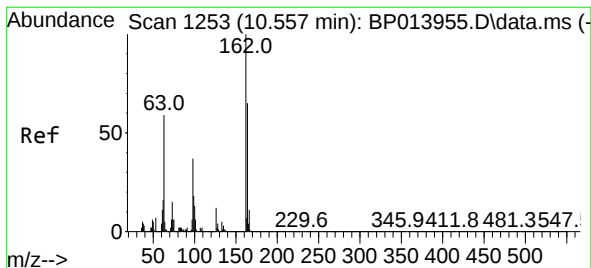


#28
bis(2-Chloroethoxy)methane
Concen: 5.587 ng
RT: 10.305 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04



Tgt Ion: 93 Resp: 67972
Ion Ratio Lower Upper
93 100
95 30.8 25.0 37.6
123 8.9 8.6 12.8





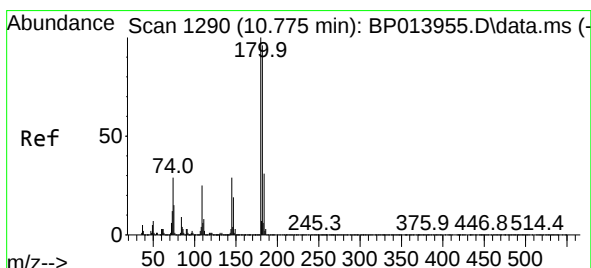
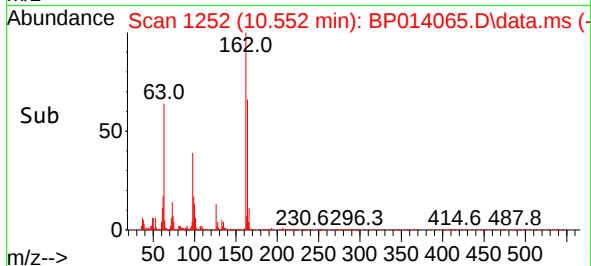
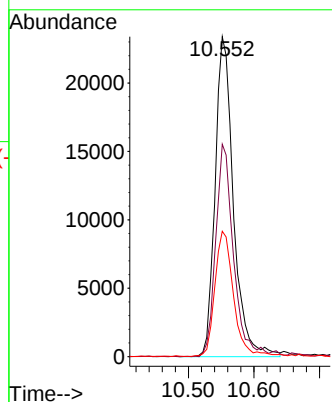
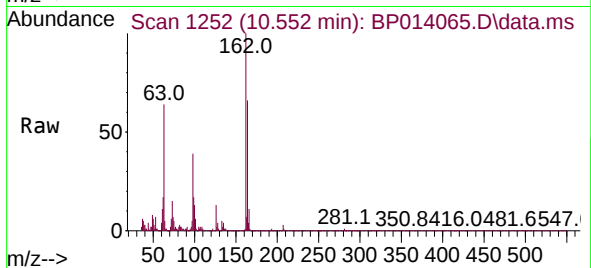
#29
2,4-Dichlorophenol
Concen: 5.027 ng
RT: 10.552 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:162 Resp: 45431
Ion Ratio Lower Upper
162 100
164 66.4 44.7 84.7
98 39.2 17.0 57.0

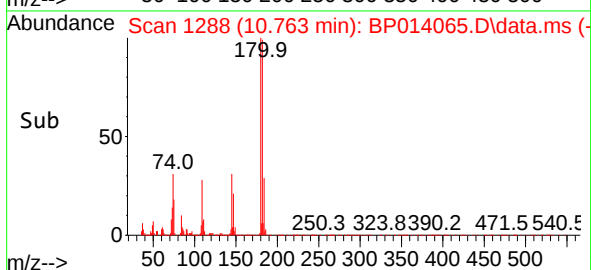
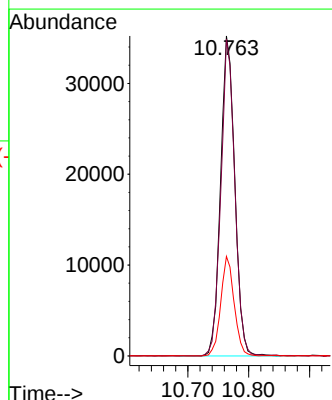
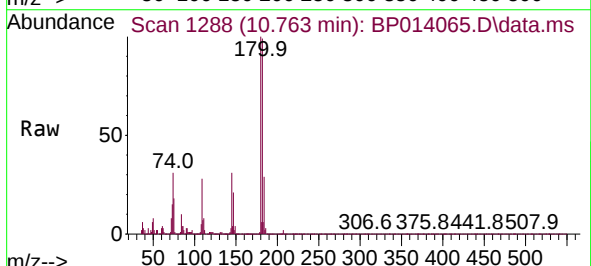
Manual Integrations
APPROVED

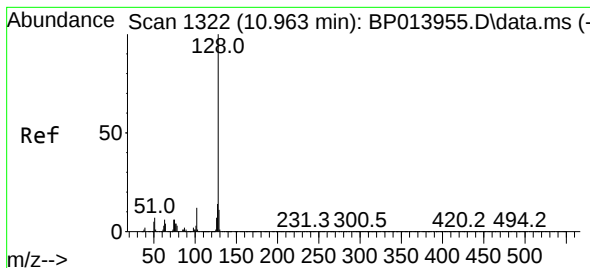
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#30
1,2,4-Trichlorobenzene
Concen: 5.554 ng
RT: 10.763 min Scan# 1288
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:180 Resp: 56980
Ion Ratio Lower Upper
180 100
182 99.0 76.6 114.8
145 31.1 23.5 35.3





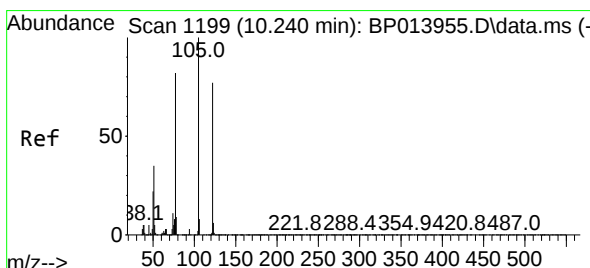
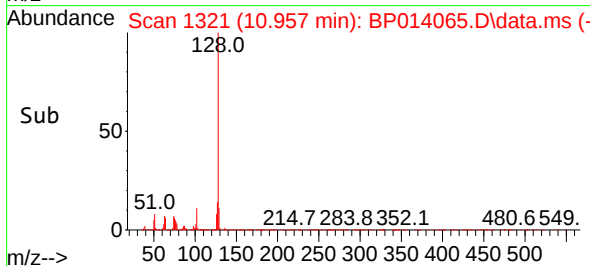
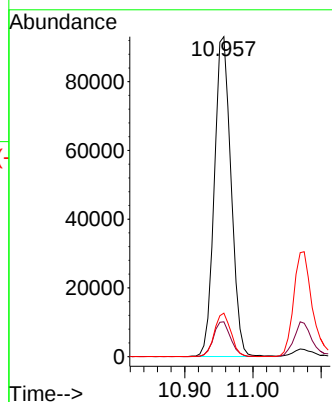
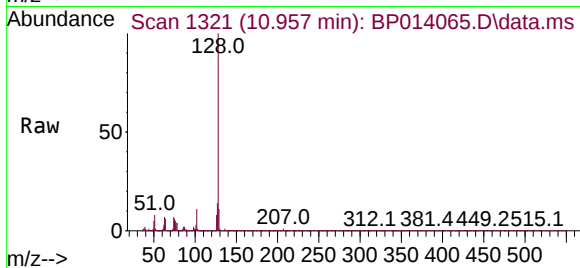
#31
Naphthalene
Concen: 5.508 ng
RT: 10.957 min Scan# 1185
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:128 Resp: 157819
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.6 11.2 16.8

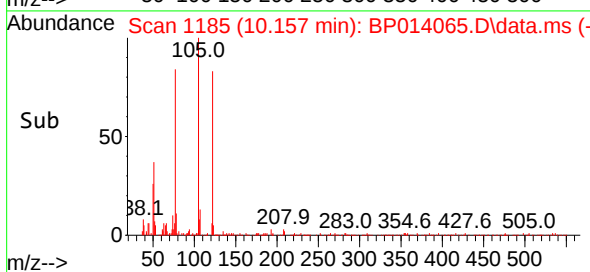
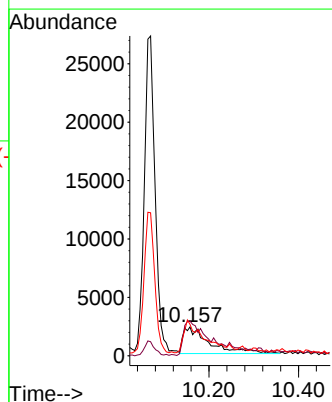
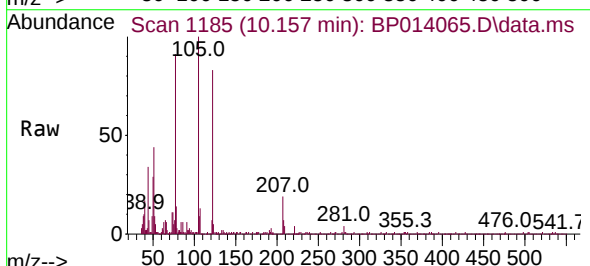
Manual Integrations
APPROVED

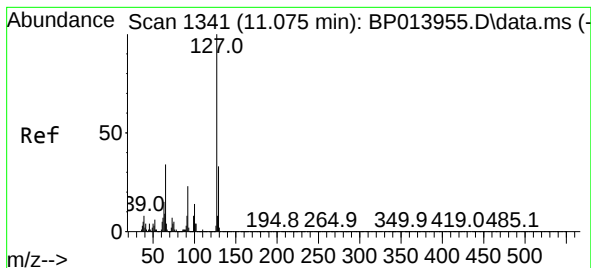
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#32
Benzoic acid
Concen: 3.995 ng m
RT: 10.157 min Scan# 1185
Delta R.T. -0.053 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:122 Resp: 9380
Ion Ratio Lower Upper
122 100
105 120.8 108.2 148.2
77 109.6 85.2 125.2





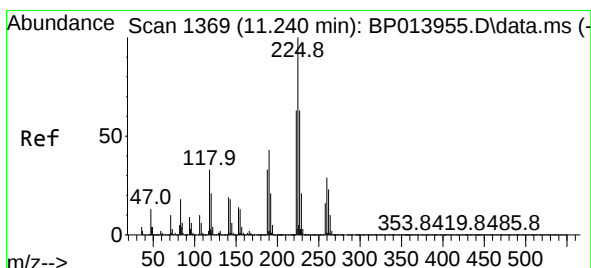
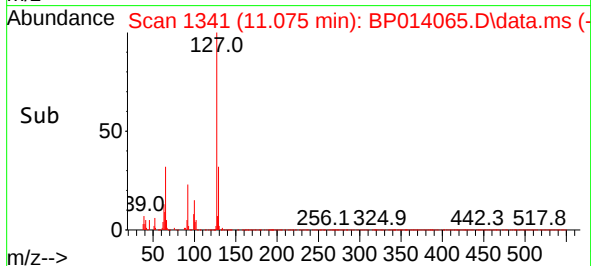
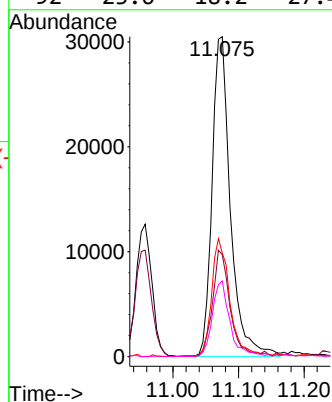
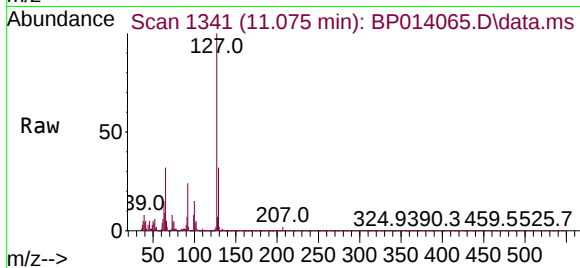
#33
4-Chloroaniline
Concen: 4.833 ng
RT: 11.075 min Scan# 1341
Delta R.T. 0.018 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.2
65	32.4	27.0	40.4
92	23.6	18.2	27.4

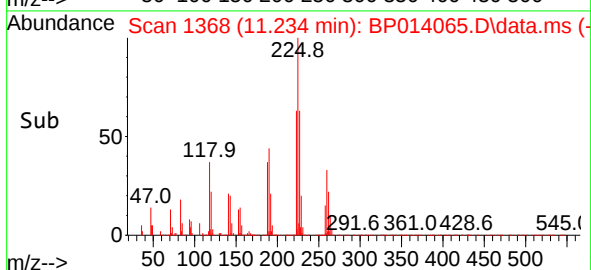
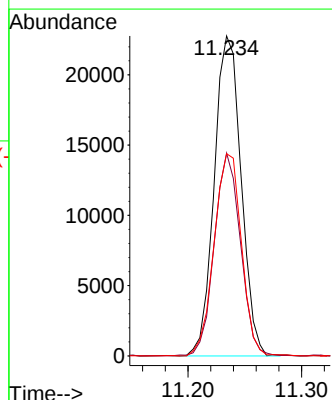
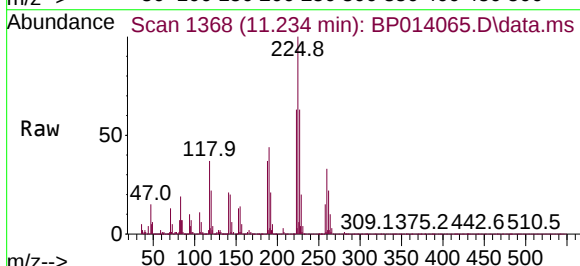
Manual Integrations
APPROVED

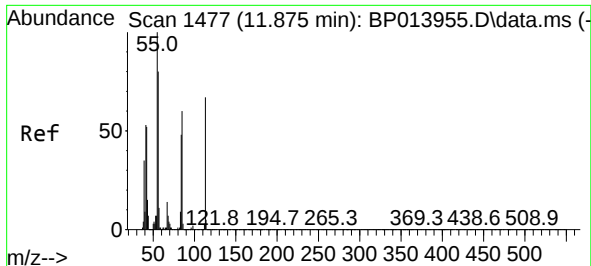
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#34
Hexachlorobutadiene
Concen: 5.023 ng
RT: 11.234 min Scan# 1368
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

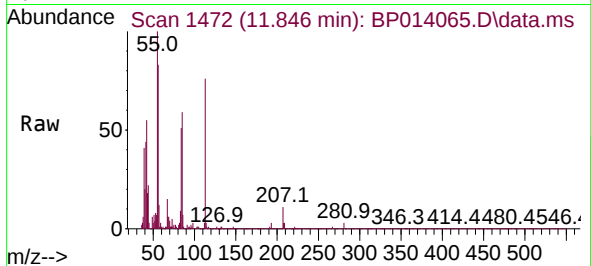
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	63.2	50.2	75.4





#35
Caprolactam
Concen: 3.412 ng m
RT: 11.846 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

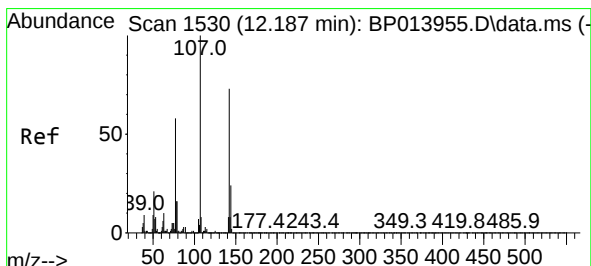
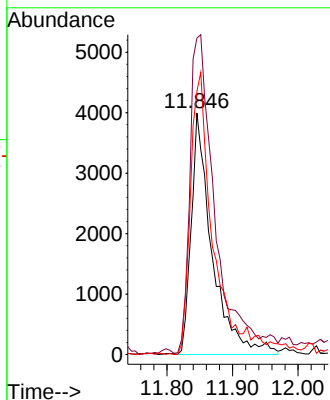
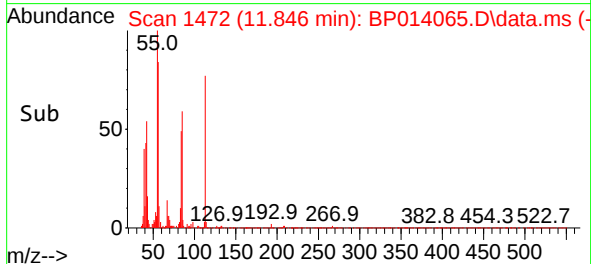
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



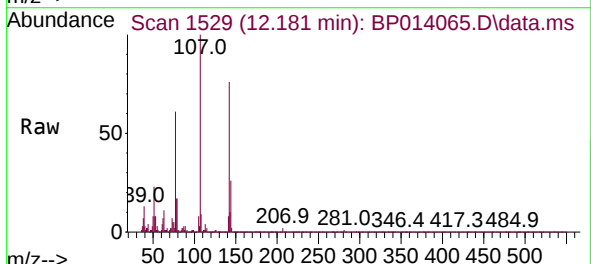
Tgt Ion:113 Resp: 882
Ion Ratio Lower Upper
113 100
55 131.1 128.9 168.9
56 109.0 99.6 139.6

Manual Integrations
APPROVED

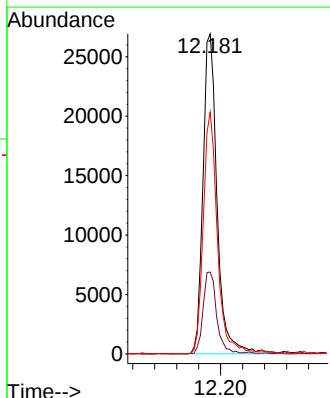
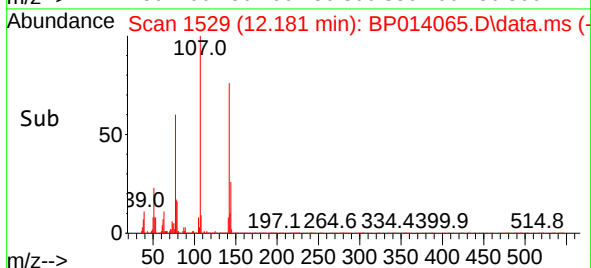
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

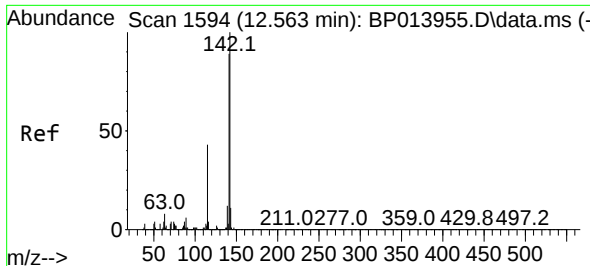


#36
4-Chloro-3-methylphenol
Concen: 4.766 ng
RT: 12.181 min Scan# 1529
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04



Tgt Ion:107 Resp: 48033
Ion Ratio Lower Upper
107 100
144 25.6 19.3 28.9
142 75.6 58.5 87.7





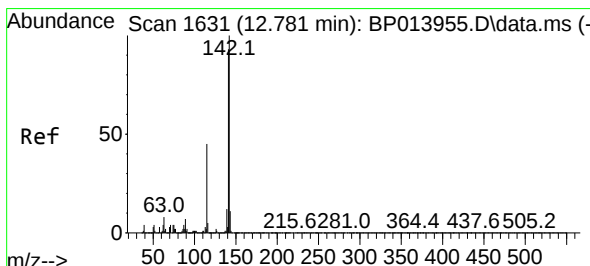
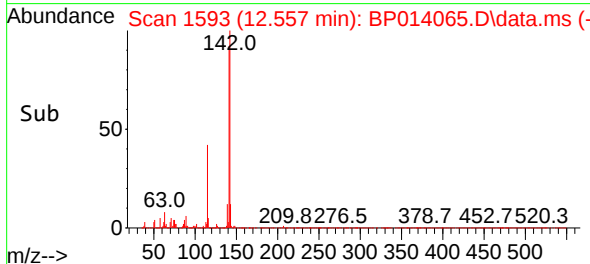
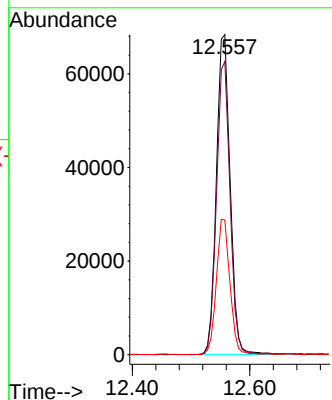
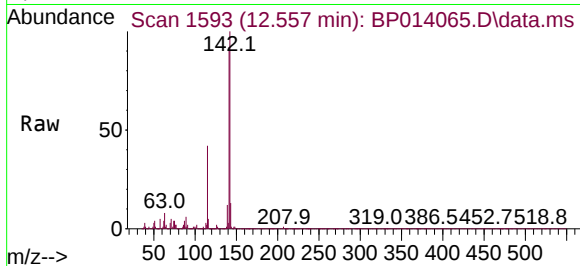
#37
2-Methylnaphthalene
Concen: 5.265 ng
RT: 12.557 min Scan# 111279
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:142 Resp: 111279
Ion Ratio Lower Upper
142 100
141 91.6 71.0 106.4
115 42.0 34.5 51.7

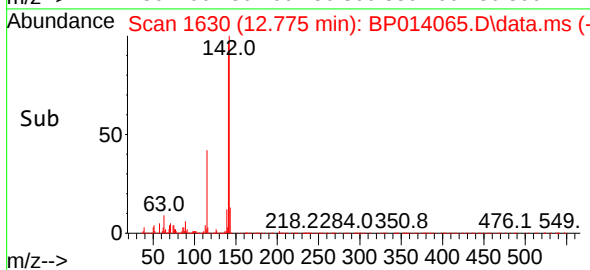
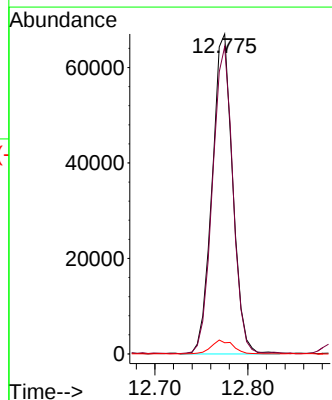
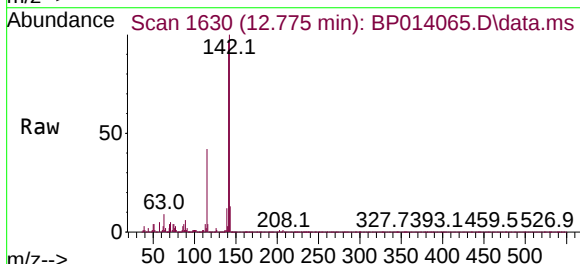
Manual Integrations
APPROVED

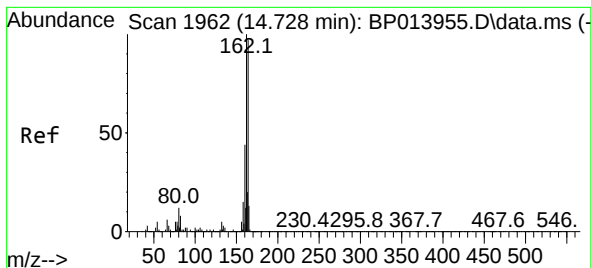
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#38
1-Methylnaphthalene
Concen: 5.235 ng m
RT: 12.775 min Scan# 1630
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:142 Resp: 103143
Ion Ratio Lower Upper
142 100
141 96.0 74.4 111.6
116 3.5 3.6 5.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.722 min Scan# 1962

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

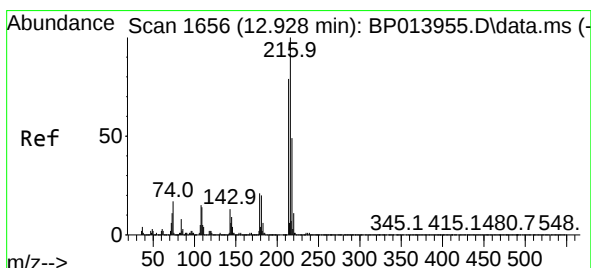
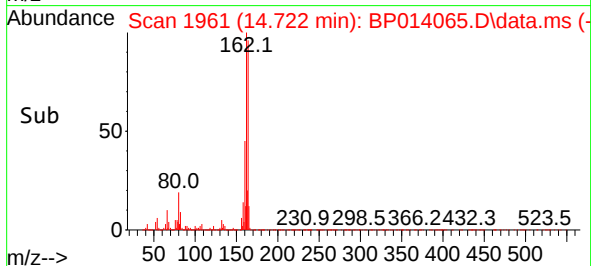
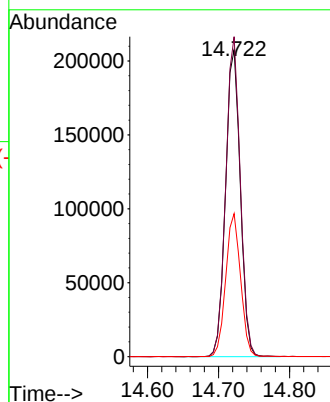
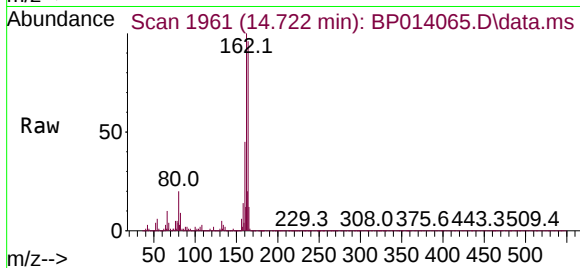
Tgt Ion:	164	Resp:	300080
Ion Ratio	Lower	Upper	
164	100		
162	104.2	82.1	123.1
160	46.6	36.2	54.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.498 ng

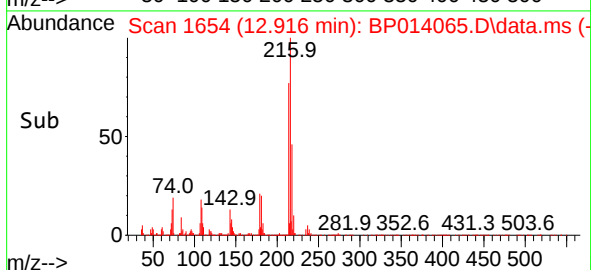
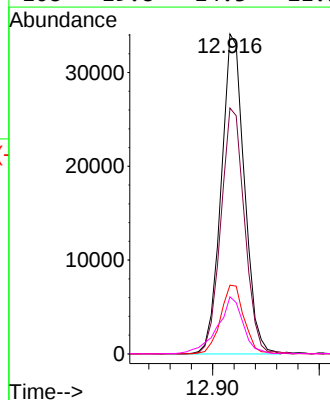
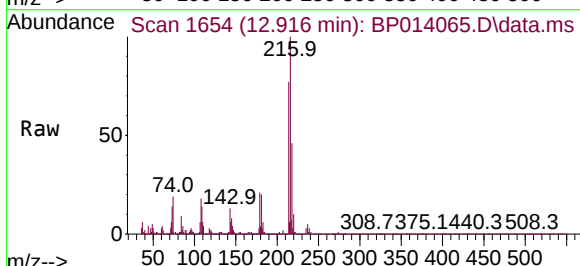
RT: 12.916 min Scan# 1654

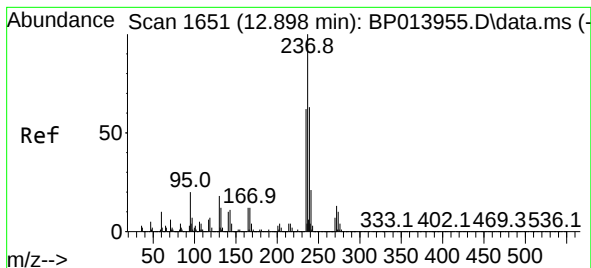
Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

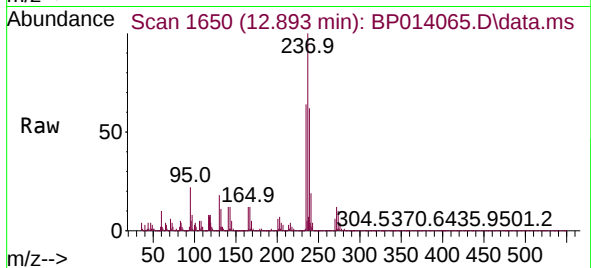
Tgt Ion:	216	Resp:	51453
Ion Ratio	Lower	Upper	
216	100		
214	78.5	62.2	93.2
179	21.9	16.6	24.8
108	19.8	14.3	21.5





#41
Hexachlorocyclopentadiene
Concen: 4.824 ng
RT: 12.893 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

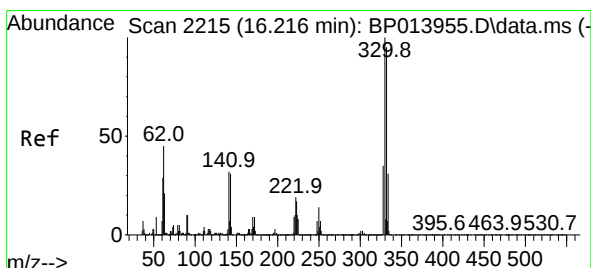
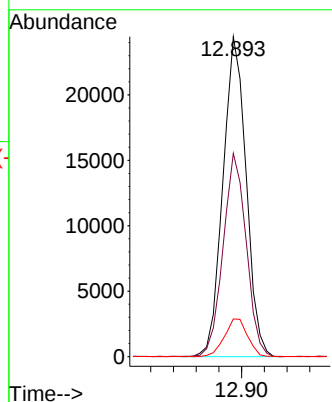
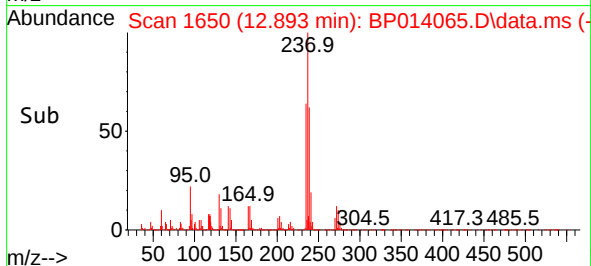
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion: 237 Resp: 3463
Ion Ratio Lower Upper
237 100
235 63.5 41.9 81.9
272 11.8 0.0 32.6

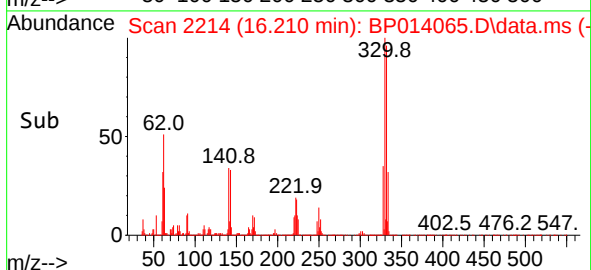
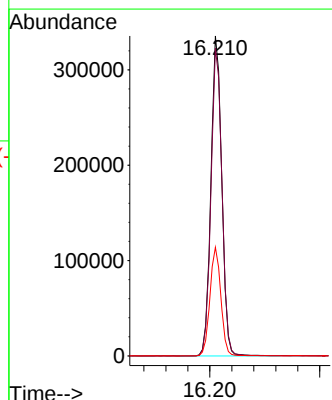
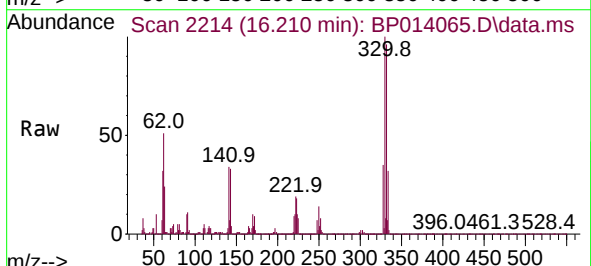
Manual Integrations
APPROVED

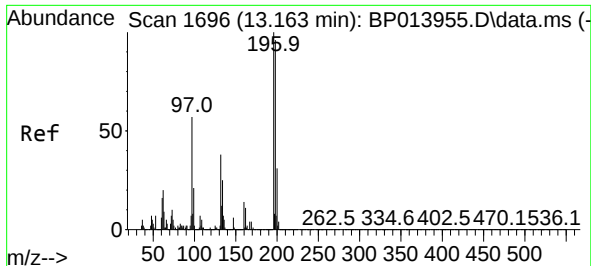
Reviewed By : Christian Giraldo 03/14/2023
Supervised By : Jagrut Upadhyay 03/14/2023



#42
2,4,6-Tribromophenol
Concen: 94.290 ng
RT: 16.210 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion: 330 Resp: 458753
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 34.2 25.6 38.4





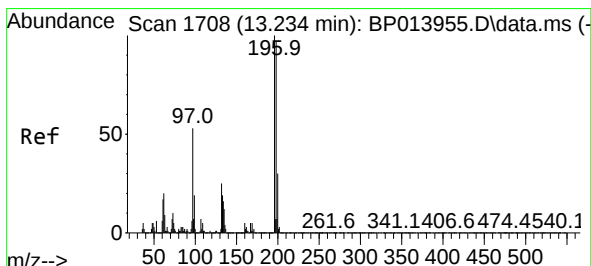
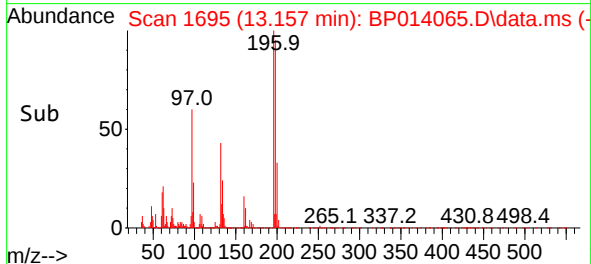
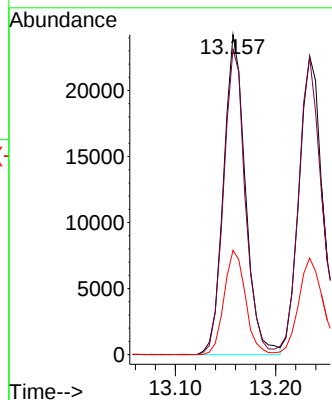
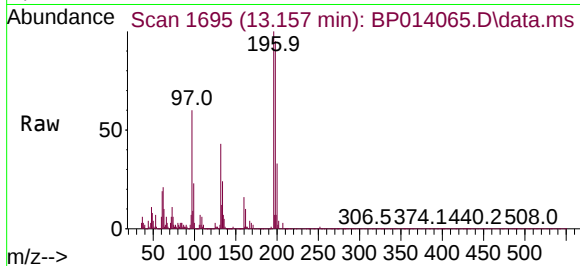
#43
2,4,6-Trichlorophenol
Concen: 5.082 ng
RT: 13.157 min Scan# 1696
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:196 Resp: 3674
Ion Ratio Lower Upper
196 100
198 95.4 76.7 115.1
200 32.6 25.2 37.8

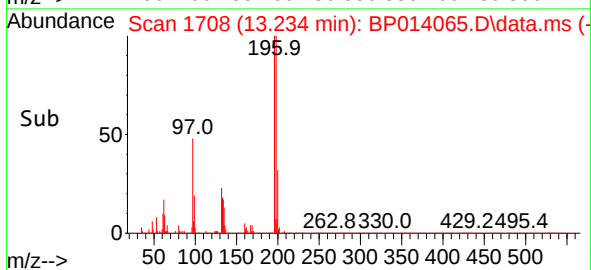
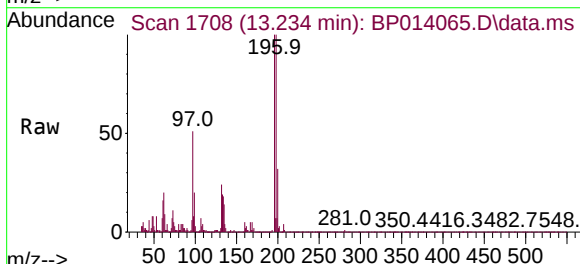
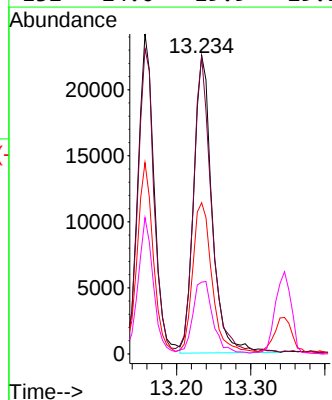
Manual Integrations
APPROVED

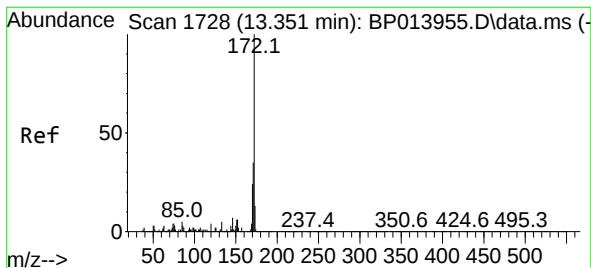
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#44
2,4,5-Trichlorophenol
Concen: 4.626 ng
RT: 13.234 min Scan# 1708
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:196 Resp: 38758
Ion Ratio Lower Upper
196 100
198 99.6 77.5 116.3
97 50.6 42.6 64.0
132 24.0 19.9 29.9





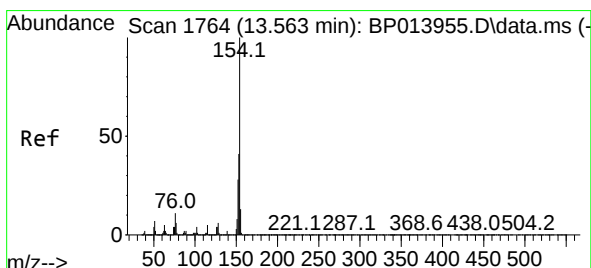
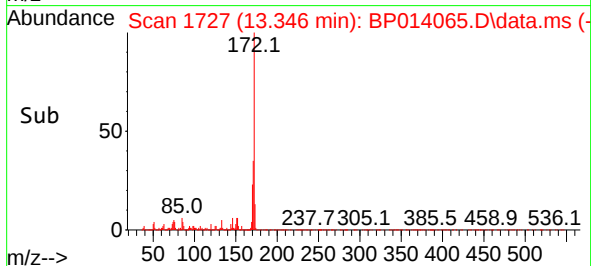
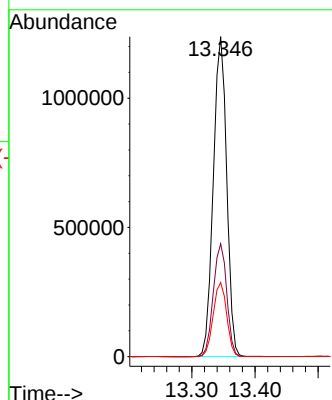
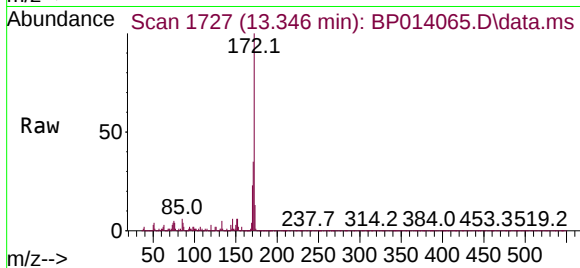
#45
2-Fluorobiphenyl
Concen: 78.809 ng
RT: 13.346 min Scan# 1727
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:172 Resp: 1825365
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.1 19.0 28.4

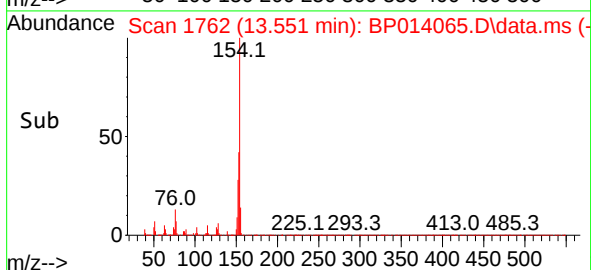
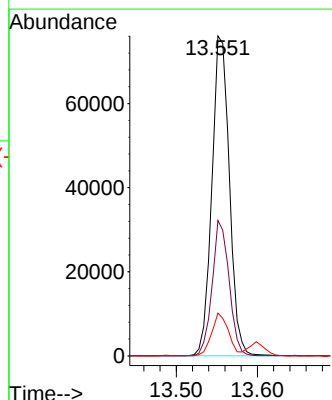
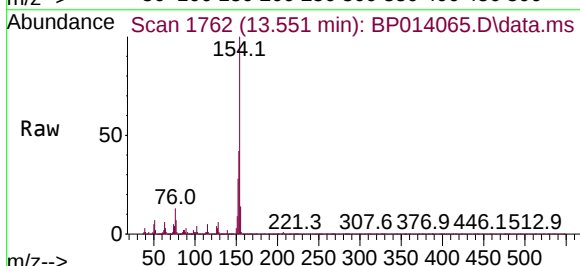
Manual Integrations
APPROVED

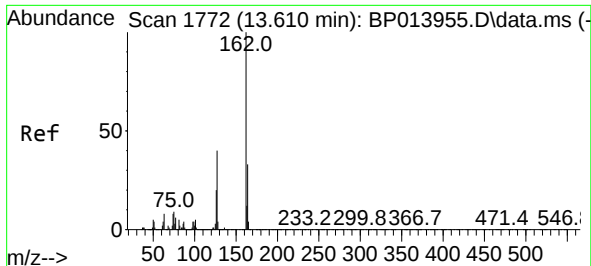
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#46
1,1'-Biphenyl
Concen: 4.728 ng
RT: 13.551 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:154 Resp: 114200
Ion Ratio Lower Upper
154 100
153 42.3 21.0 61.0
76 13.4 0.0 31.0





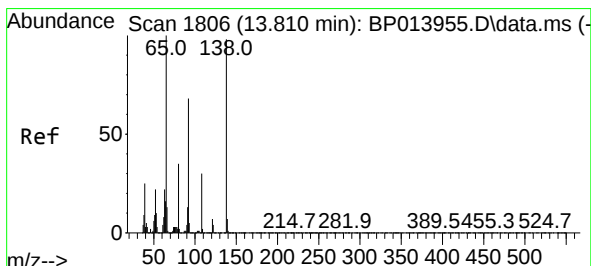
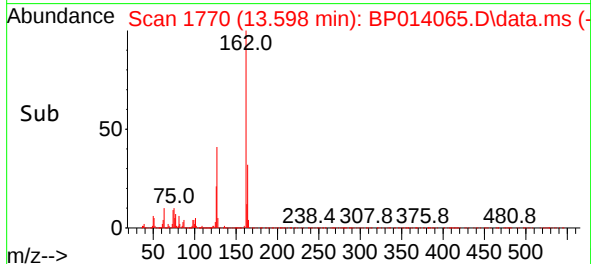
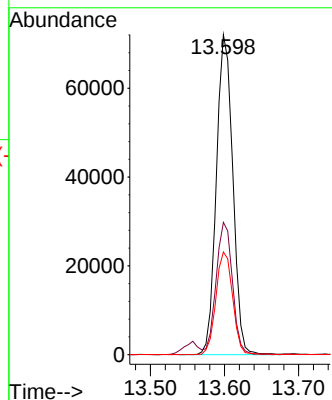
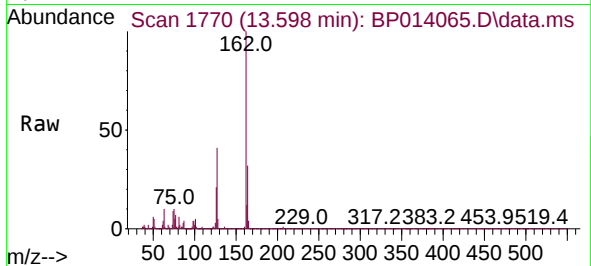
#47
2-Chloronaphthalene
Concen: 5.965 ng
RT: 13.598 min Scan# 1772
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:162 Resp: 110916
Ion Ratio Lower Upper
162 100
127 41.3 32.5 48.7
164 32.1 26.3 39.5

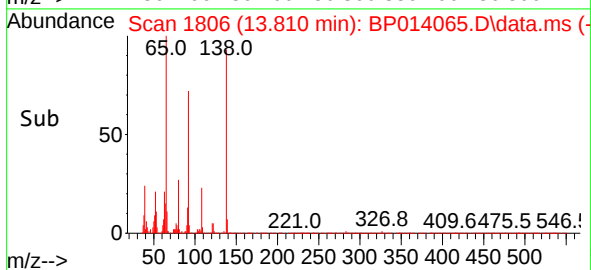
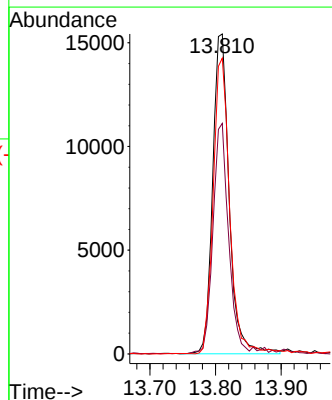
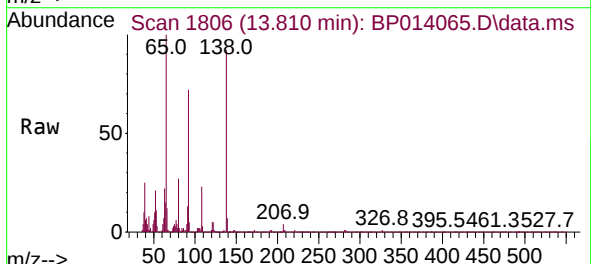
Manual Integrations
APPROVED

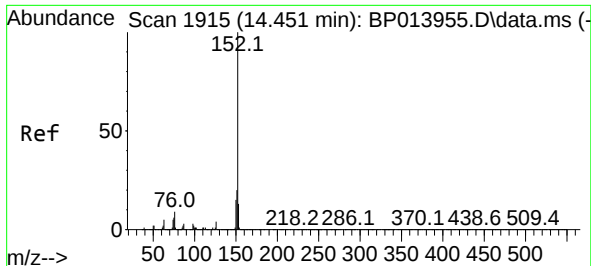
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#48
2-Nitroaniline
Concen: 4.778 ng
RT: 13.810 min Scan# 1806
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

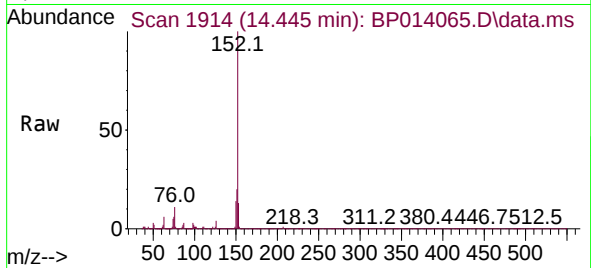
Tgt Ion: 65 Resp: 26965
Ion Ratio Lower Upper
65 100
92 72.0 54.4 81.6
138 92.4 78.0 117.0





#49
Acenaphthylene
Concen: 5.402 ng
RT: 14.445 min Scan# 1915
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

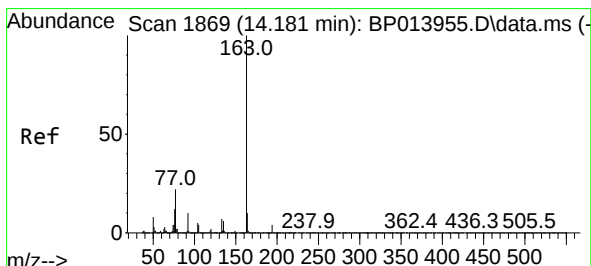
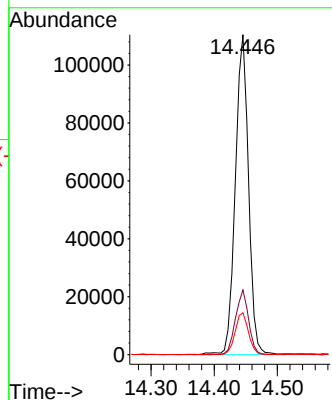
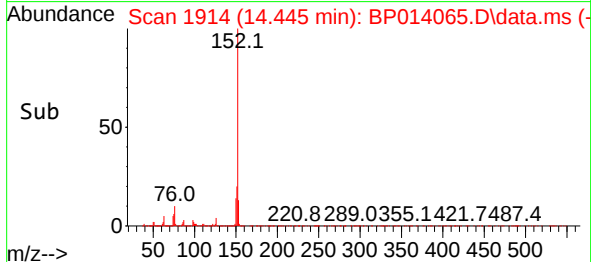
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



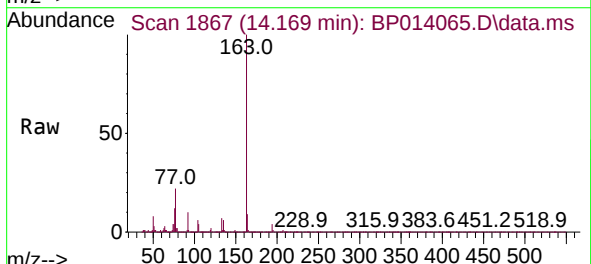
Tgt Ion:152 Resp: 159726
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 13.1 10.4 15.6

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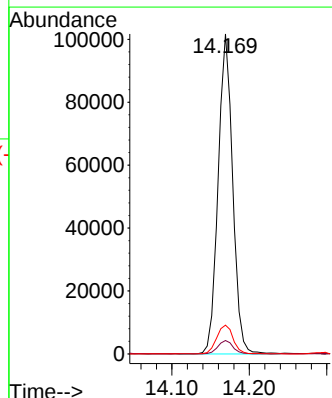
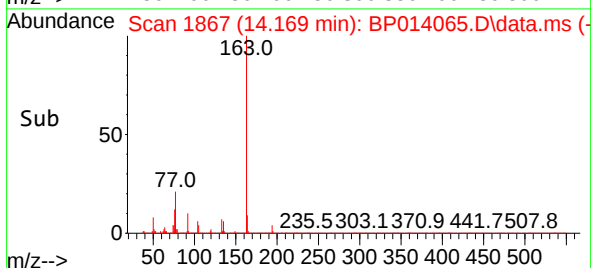
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

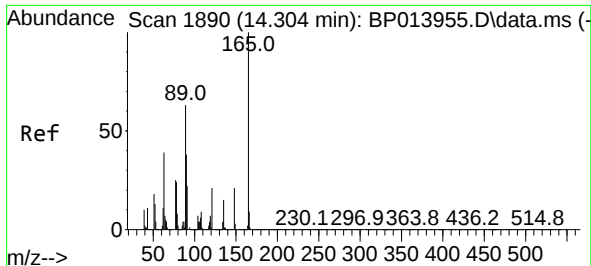


#50
Dimethylphthalate
Concen: 5.371 ng
RT: 14.169 min Scan# 1867
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04



Tgt Ion:163 Resp: 132964
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.0 8.1 12.1





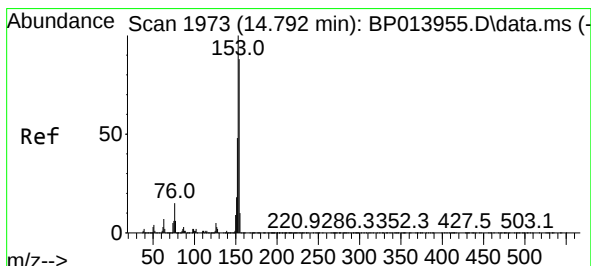
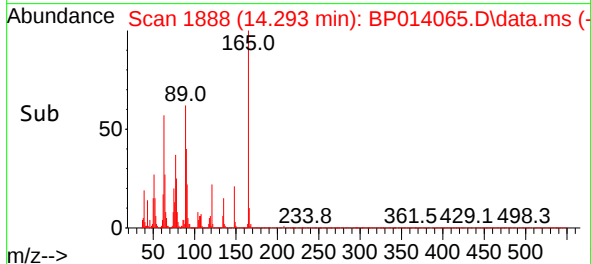
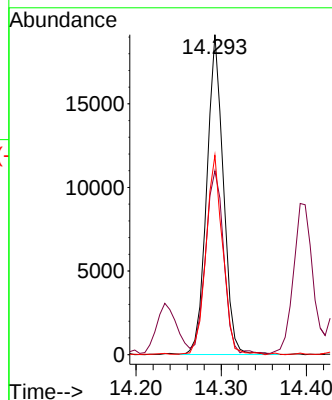
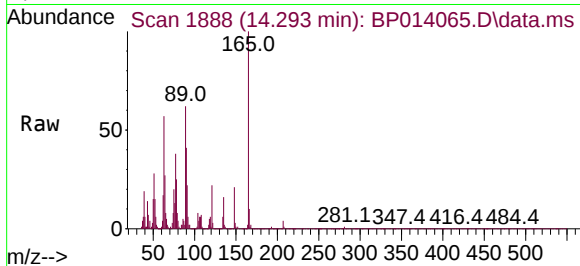
#51
2,6-Dinitrotoluene
Concen: 4.961 ng
RT: 14.293 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:165 Resp: 25863
Ion Ratio Lower Upper
165 100
63 57.4 46.7 70.1
89 62.3 50.8 76.2

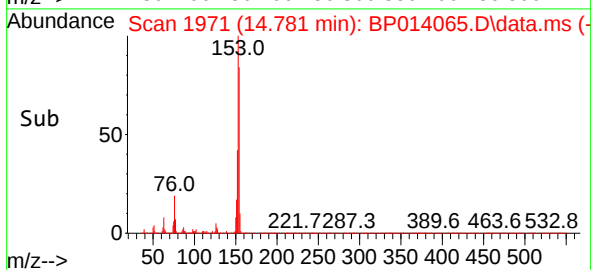
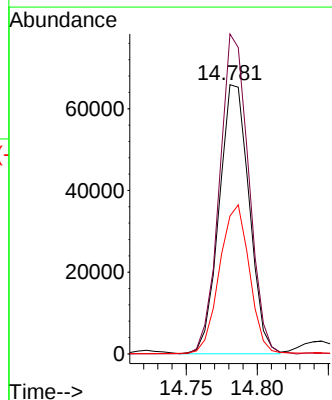
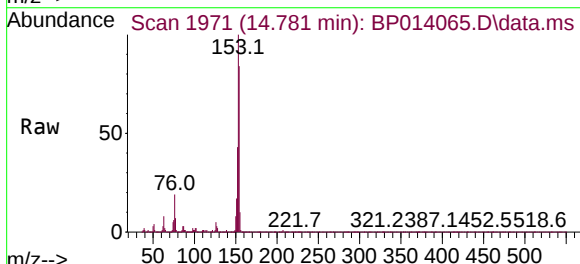
Manual Integrations
APPROVED

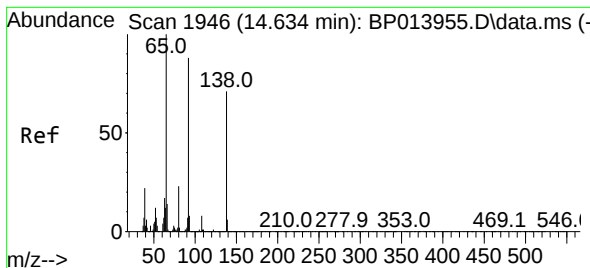
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#52
Acenaphthene
Concen: 5.446 ng
RT: 14.781 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:154 Resp: 96948
Ion Ratio Lower Upper
154 100
153 118.9 91.3 136.9
152 51.2 43.4 65.0





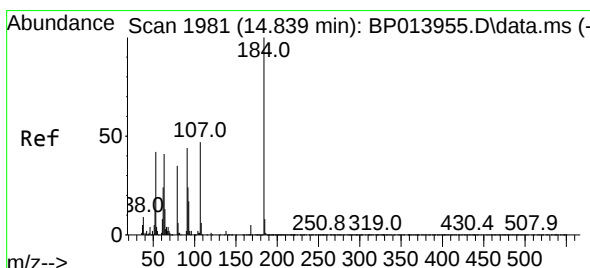
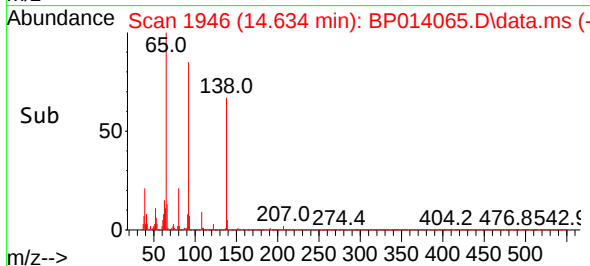
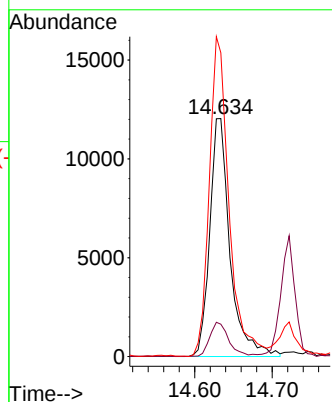
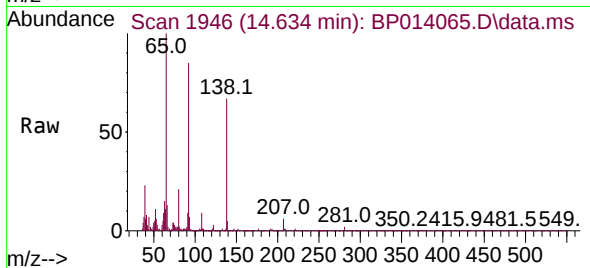
#53
3-Nitroaniline
Concen: 4.281 ng
RT: 14.634 min Scan# 1946
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:138 Resp: 21873
Ion Ratio Lower Upper
138 100
108 13.6 9.5 14.3
92 127.6 99.2 148.8

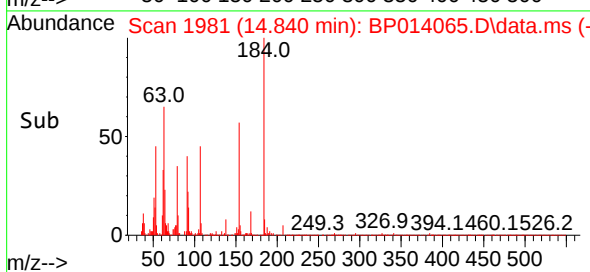
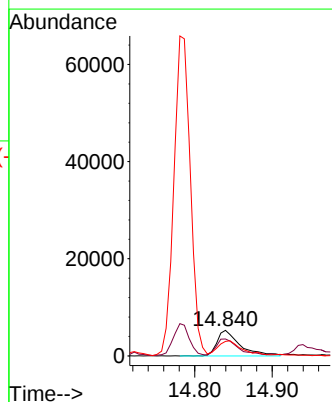
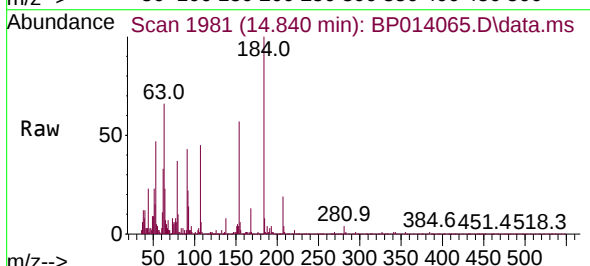
Manual Integrations
APPROVED

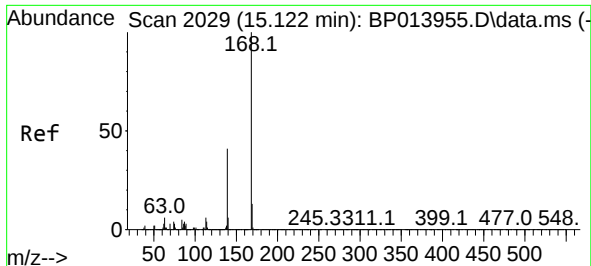
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#54
2,4-Dinitrophenol
Concen: 5.756 ng
RT: 14.840 min Scan# 1981
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:184 Resp: 10764
Ion Ratio Lower Upper
184 100
63 66.4 52.4 78.6
154 56.7 59.4 89.2#





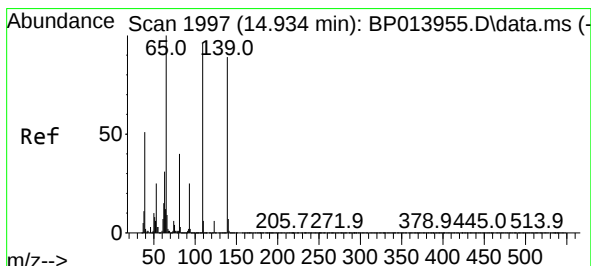
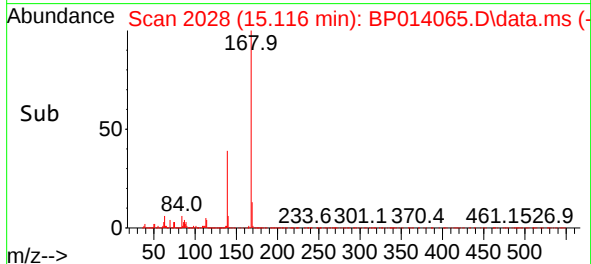
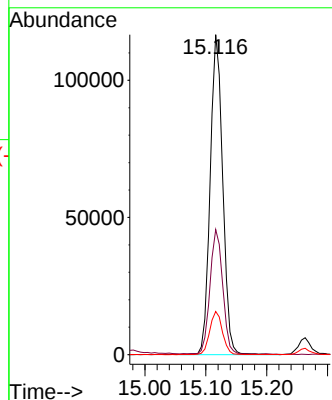
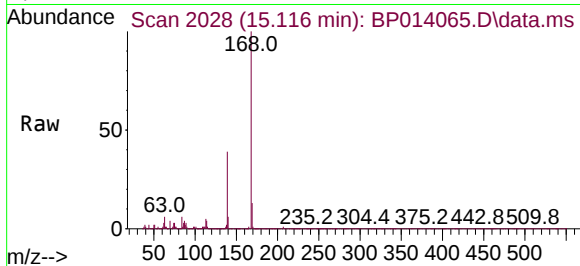
#55
Dibenzenofuran
Concen: 5.739 ng
RT: 15.116 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:168 Resp: 166533
Ion Ratio Lower Upper
168 100
139 39.1 32.9 49.3
169 13.5 10.6 15.8

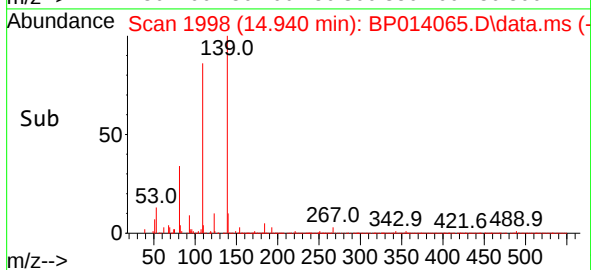
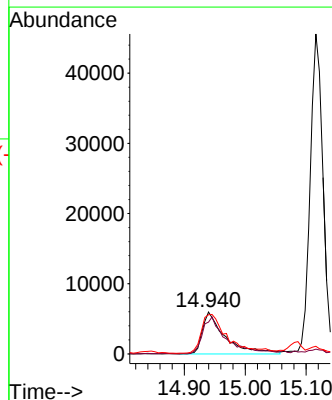
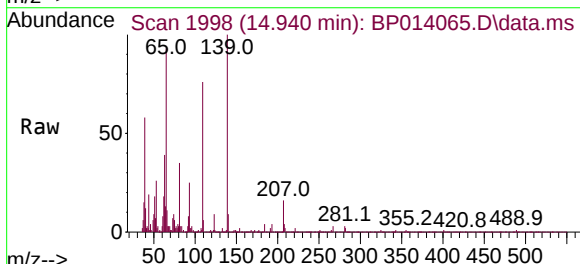
Manual Integrations
APPROVED

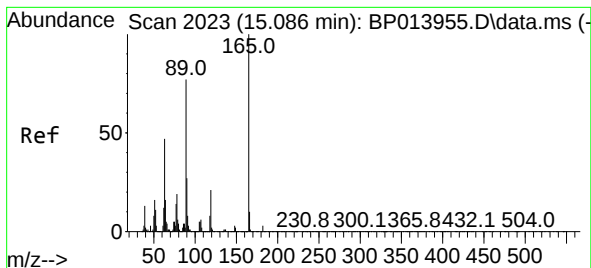
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#56
4-Nitrophenol
Concen: 3.700 ng
RT: 14.940 min Scan# 1998
Delta R.T. 0.018 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:139 Resp: 15394
Ion Ratio Lower Upper
139 100
109 75.9 87.0 127.0#
65 93.3 92.1 132.1





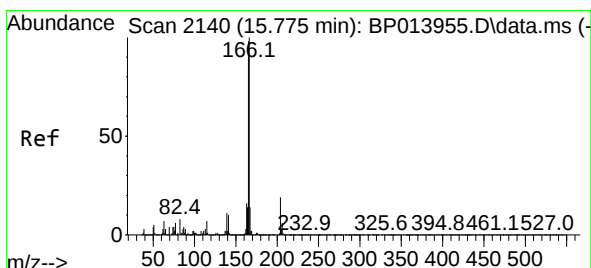
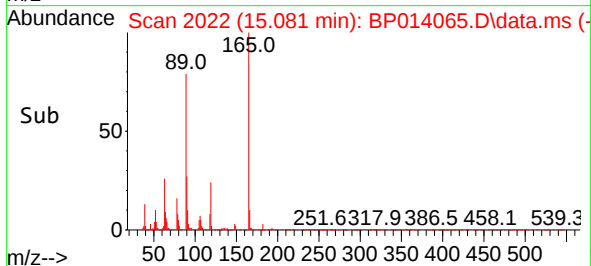
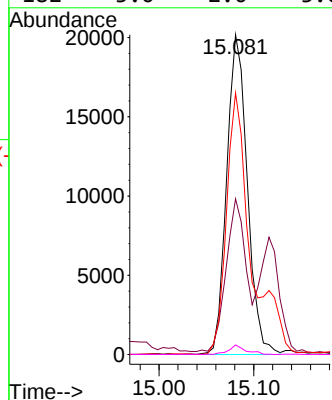
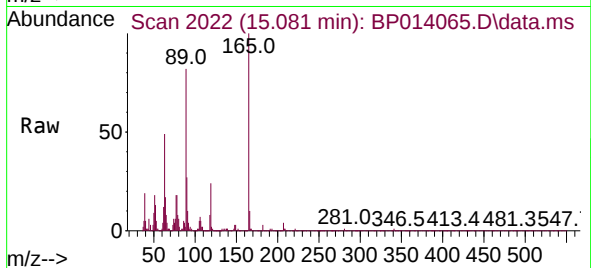
#57
2,4-Dinitrotoluene
Concen: 4.393 ng
RT: 15.081 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:165 Resp: 30616
Ion Ratio Lower Upper
165 100
63 48.7 37.5 56.3
89 81.8 61.8 92.8
182 3.0 2.0 3.0#

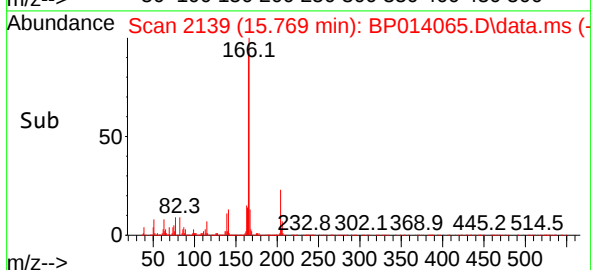
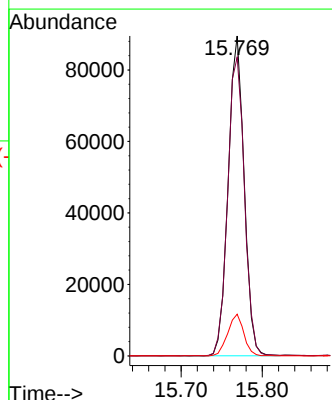
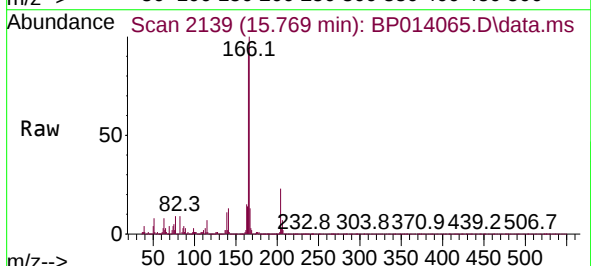
Manual Integrations
APPROVED

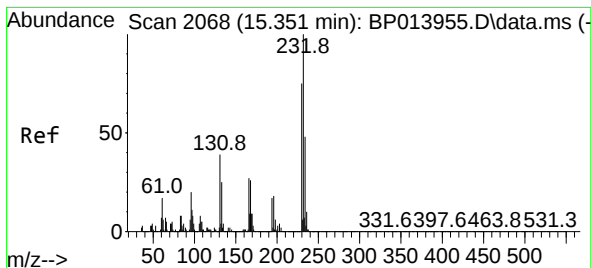
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#58
Fluorene
Concen: 5.306 ng
RT: 15.769 min Scan# 2139
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

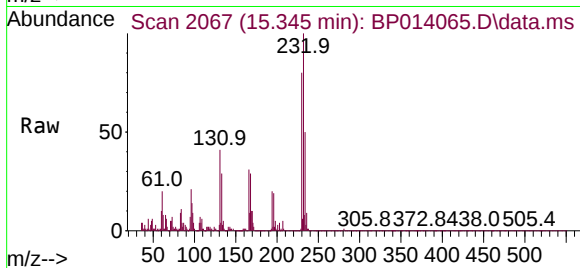
Tgt Ion:166 Resp: 122271
Ion Ratio Lower Upper
166 100
165 93.3 78.1 117.1
167 13.0 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.871 ng m
RT: 15.345 min Scan# 2068
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

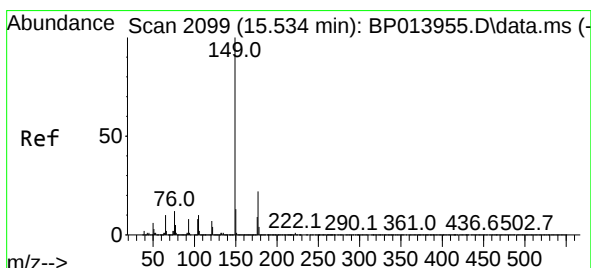
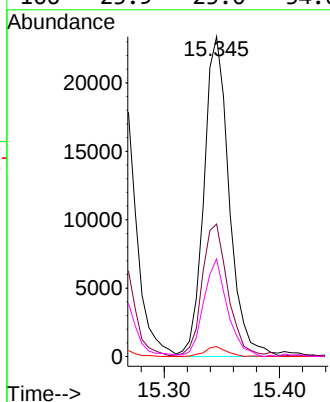
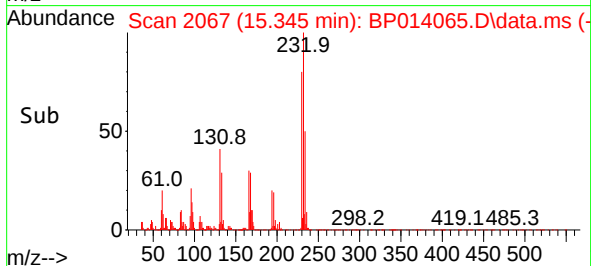
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:232 Resp: 35600
Ion Ratio Lower Upper
232 100
131 37.4 32.5 48.7
130 2.4 1.9 2.9
166 23.9 23.0 34.6

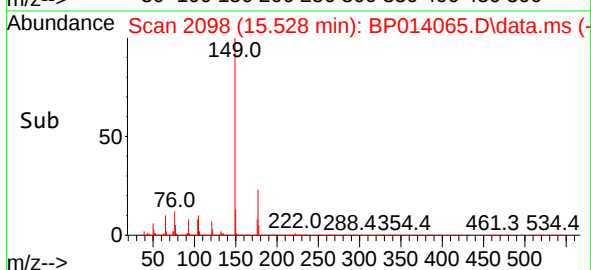
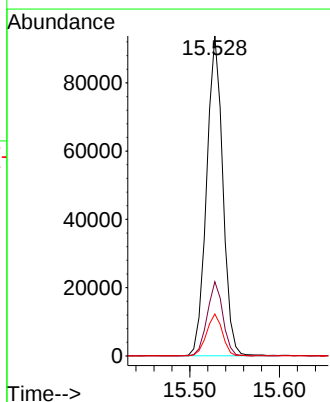
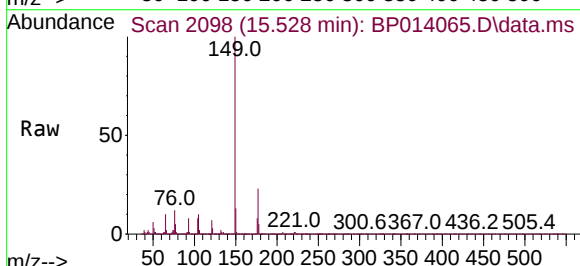
Manual Integrations
APPROVED

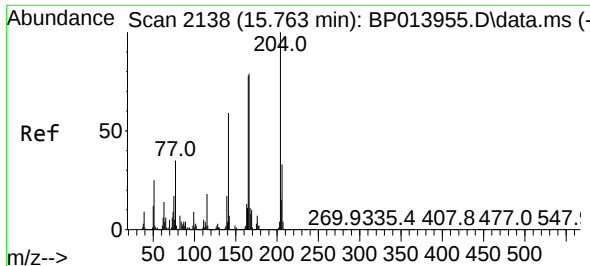
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#60
Diethylphthalate
Concen: 4.838 ng
RT: 15.528 min Scan# 2098
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:149 Resp: 118262
Ion Ratio Lower Upper
149 100
177 23.2 18.0 27.0
150 13.1 10.3 15.5





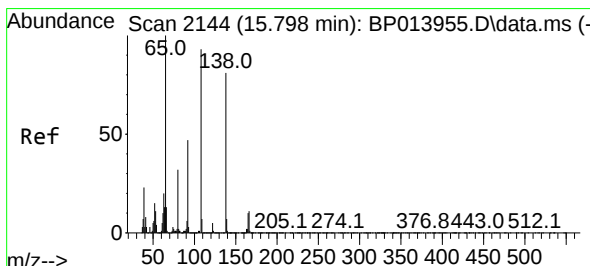
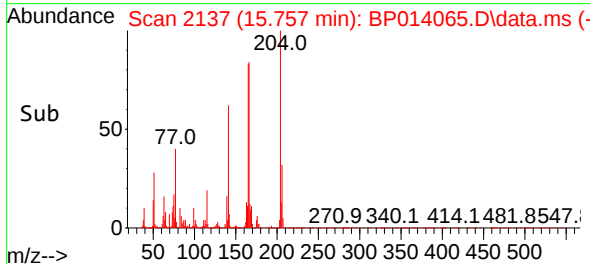
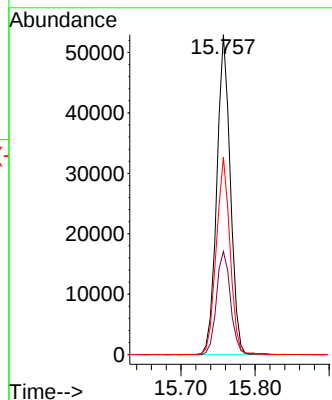
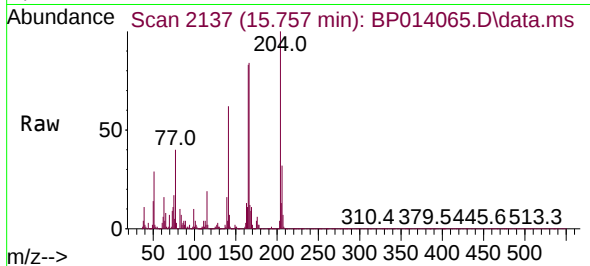
#61
4-Chlorophenyl-phenylether
Concen: 5.129 ng
RT: 15.757 min Scan# 2137
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2023

Tgt Ion:204 Resp: 67001
Ion Ratio Lower Upper
204 100
206 32.2 26.2 39.4
141 61.7 46.9 70.3

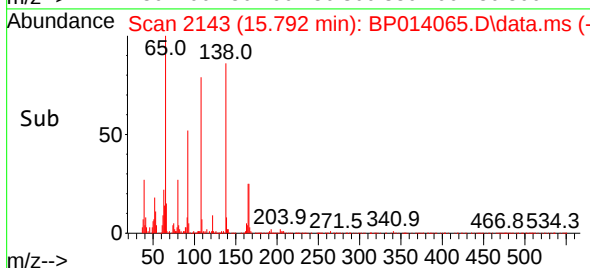
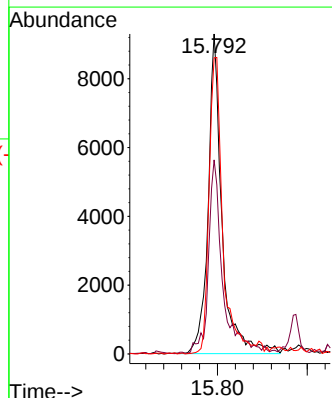
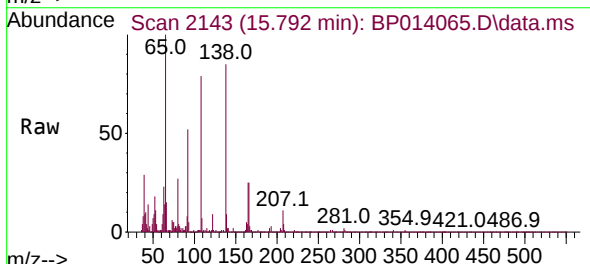
Manual Integrations
APPROVED

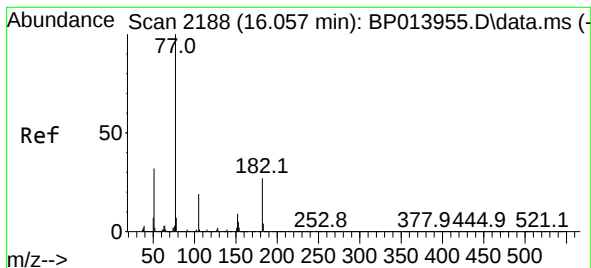
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#62
4-Nitroaniline
Concen: 3.943 ng
RT: 15.792 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:138 Resp: 20061
Ion Ratio Lower Upper
138 100
92 60.6 37.9 77.9
108 92.5 94.9 134.9#





#63

Azobenzene

Concen: 5.075 ng

RT: 16.051 min Scan# 2188

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion: 77 Resp: 114778

Ion Ratio Lower Upper

77 100

182 23.4 6.9 46.9

105 19.6 0.0 39.4

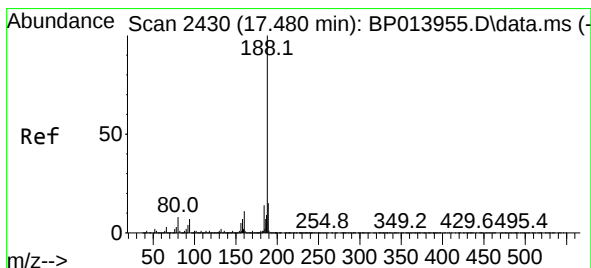
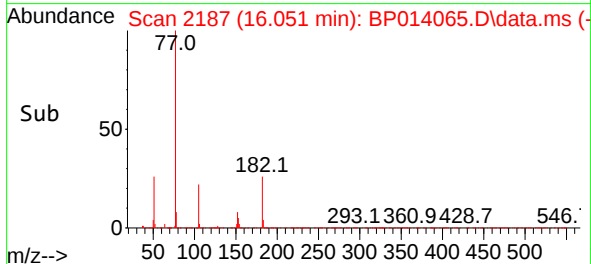
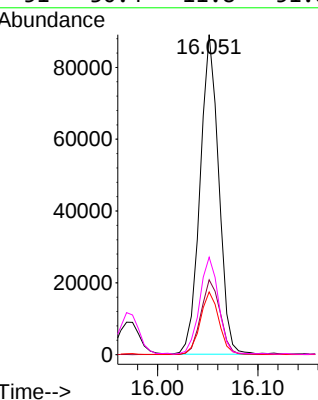
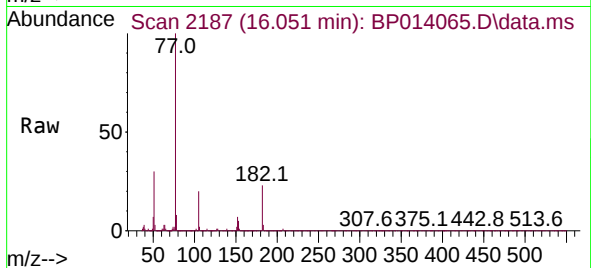
51 30.4 11.8 51.8

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: 17.475 min Scan# 2429

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

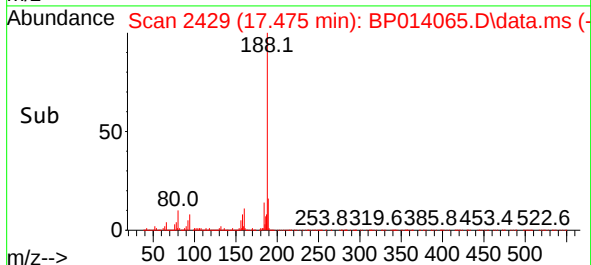
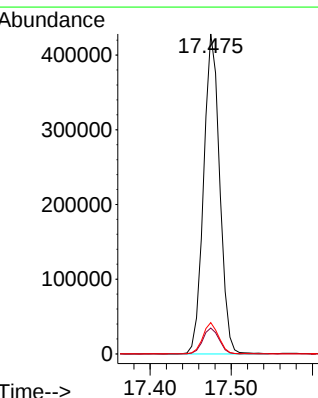
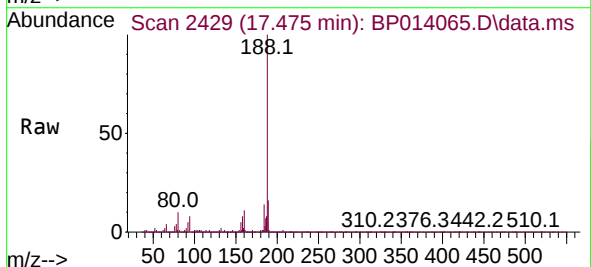
Tgt Ion:188 Resp: 588044

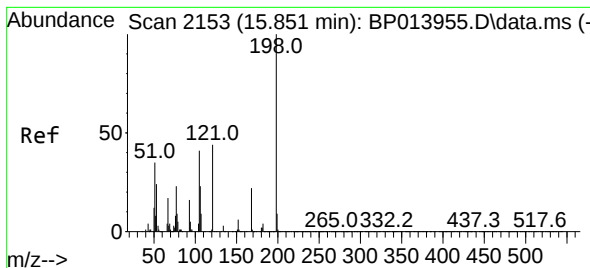
Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.6

80 9.8 6.6 9.8





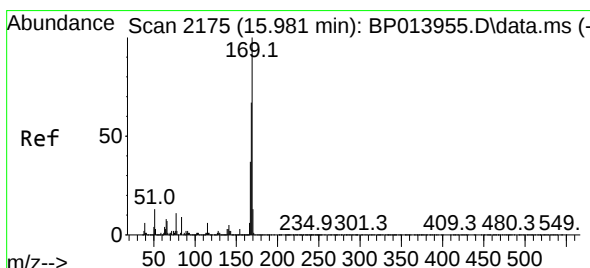
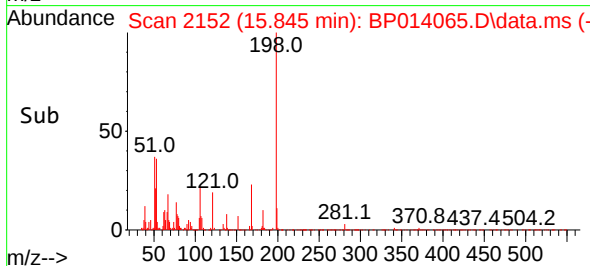
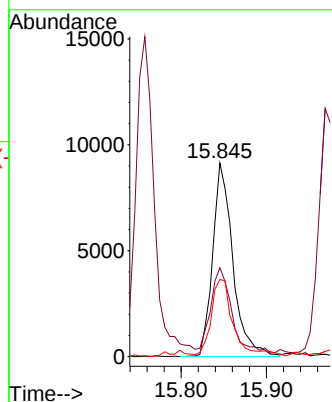
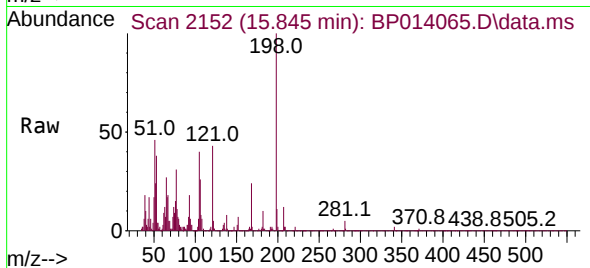
#65
4,6-Dinitro-2-methylphenol
Concen: 3.452 ng
RT: 15.845 min Scan# 2153
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:198 Resp: 1503
Ion Ratio Lower Upper
198 100
51 45.9 22.1 62.1
105 39.8 21.5 61.5

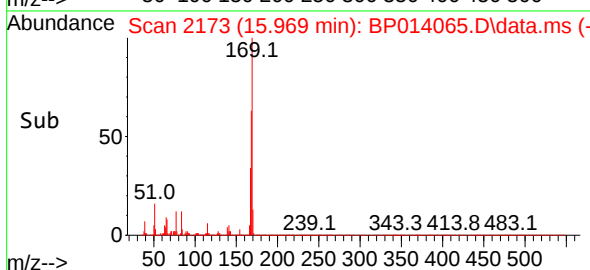
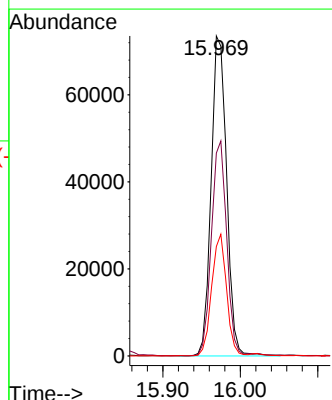
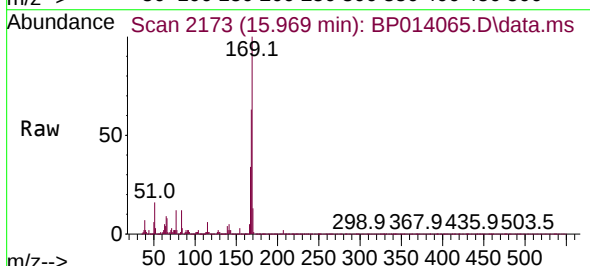
Manual Integrations
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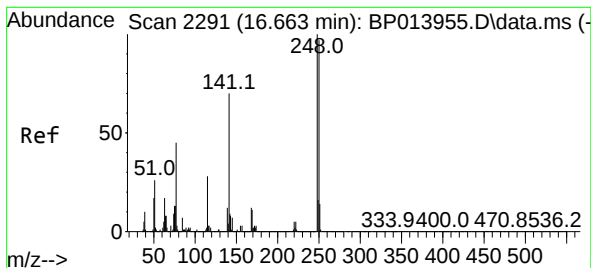
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#66
n-Nitrosodiphenylamine
Concen: 5.496 ng
RT: 15.969 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

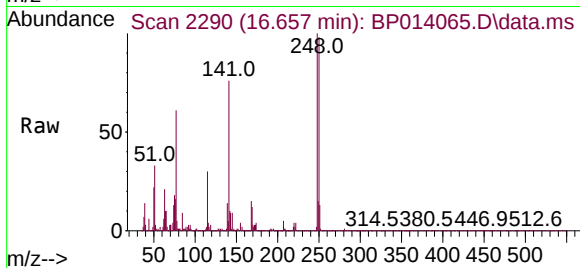
Tgt Ion:169 Resp: 102121
Ion Ratio Lower Upper
169 100
168 63.4 54.0 81.0
167 34.2 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 4.980 ng
RT: 16.657 min Scan# 2110
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

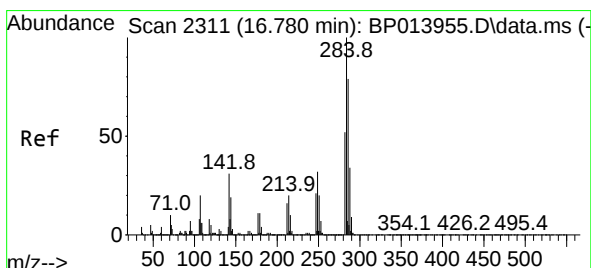
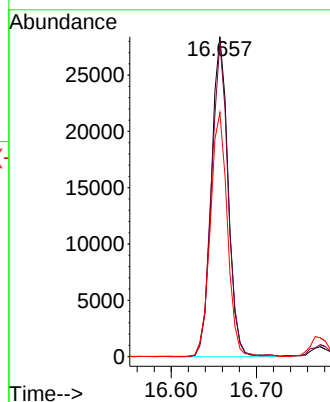
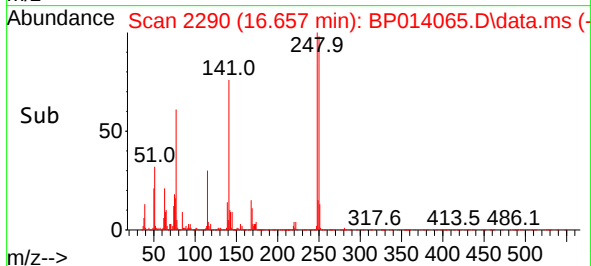
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023



Tgt Ion:248 Resp: 38738
Ion Ratio Lower Upper
248 100
250 98.2 77.9 116.9
141 76.2 56.0 84.0

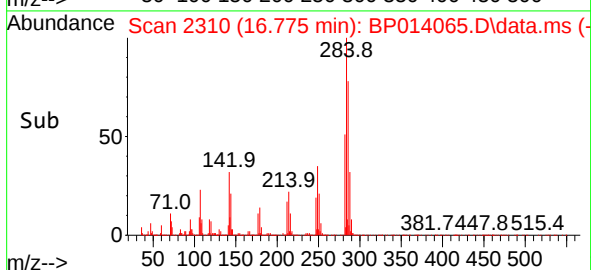
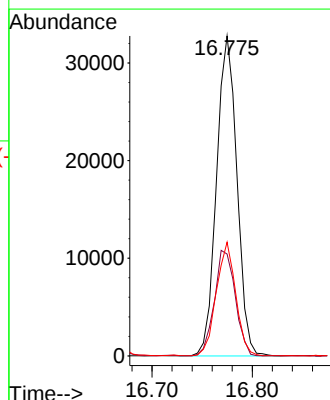
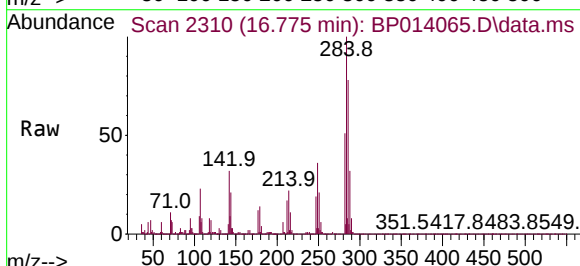
Manual Integrations
APPROVED

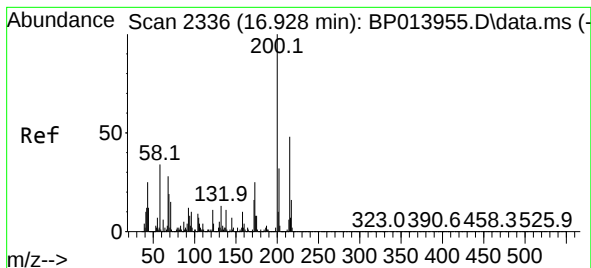
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#68
Hexachlorobenzene
Concen: 5.564 ng
RT: 16.775 min Scan# 2310
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:284 Resp: 46388
Ion Ratio Lower Upper
284 100
142 31.8 24.8 37.2
249 35.5 25.7 38.5





#69

Atrazine

Concen: 4.003 ng

RT: 16.922 min Scan# 2336

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

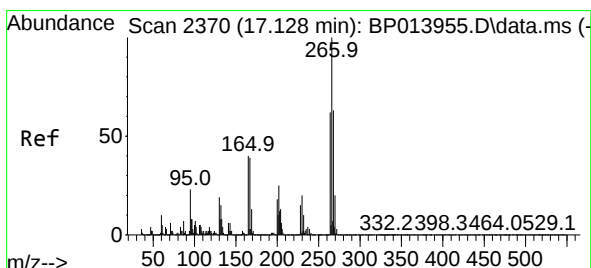
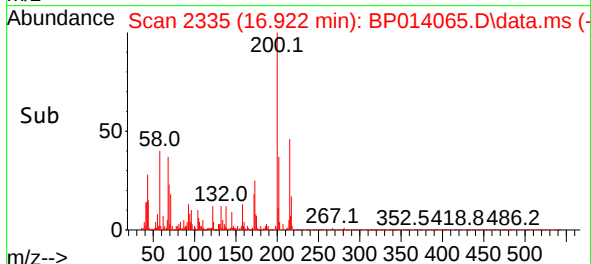
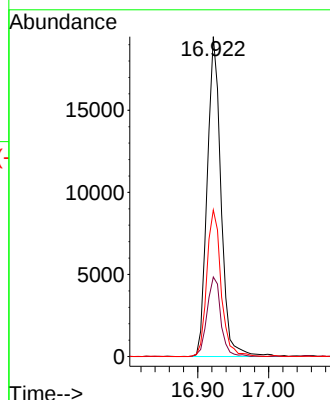
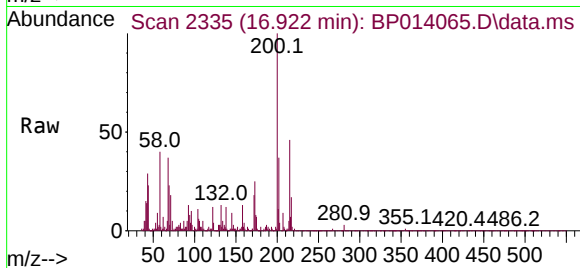
Tgt Ion:	200	Resp:	26114
Ion Ratio	Lower	Upper	
200	100		
173	24.9	5.5	45.5
215	45.8	27.9	67.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#70

Pentachlorophenol

Concen: 3.926 ng

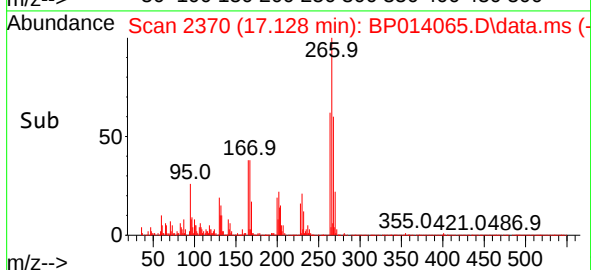
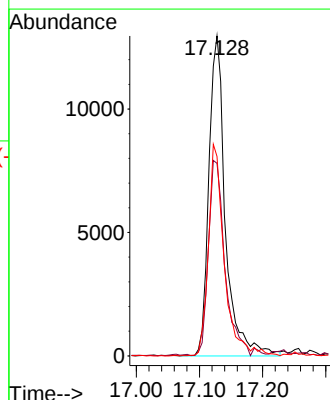
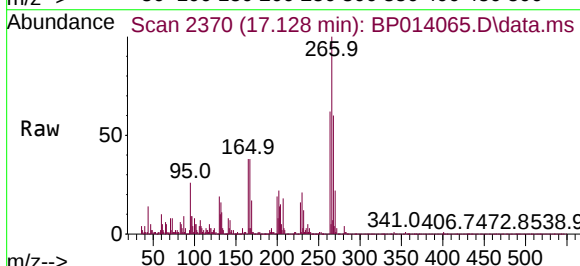
RT: 17.128 min Scan# 2370

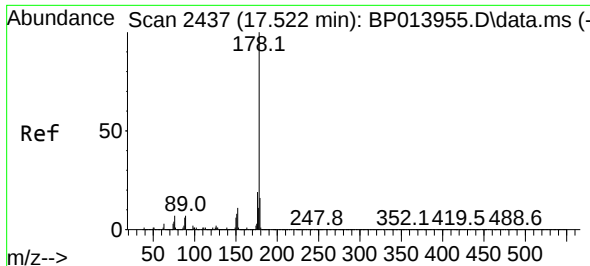
Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	266	Resp:	23606
Ion Ratio	Lower	Upper	
266	100		
268	60.2	50.4	75.6
264	62.3	49.2	73.8





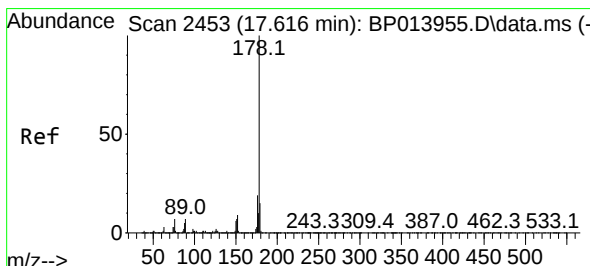
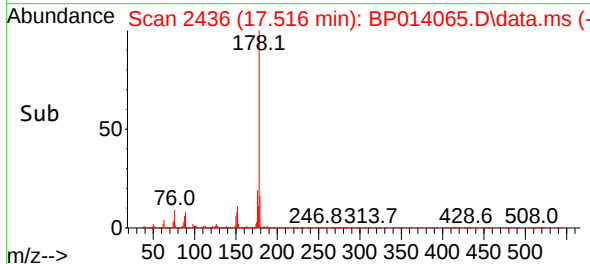
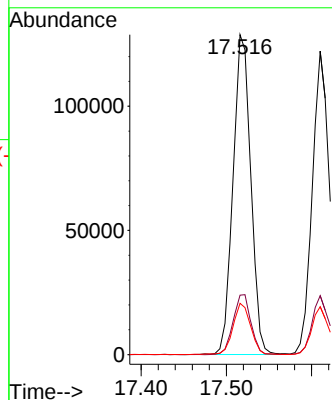
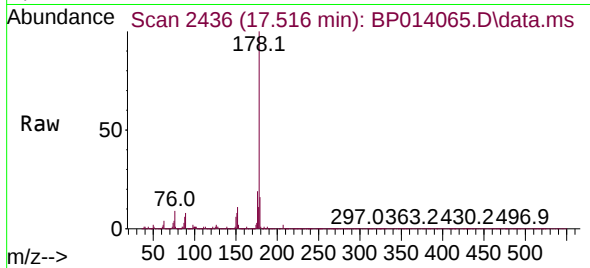
#71
Phenanthrene
Concen: 5.677 ng
RT: 17.516 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:178 Resp: 186496
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 16.0 12.6 19.0

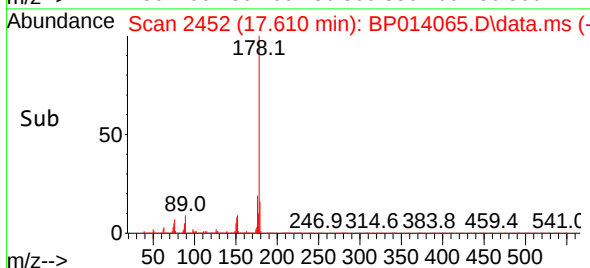
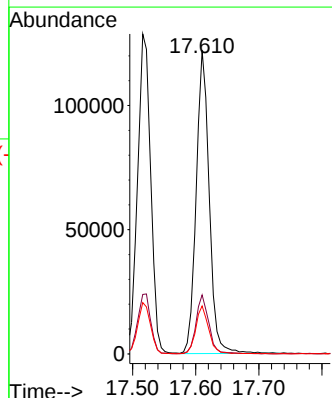
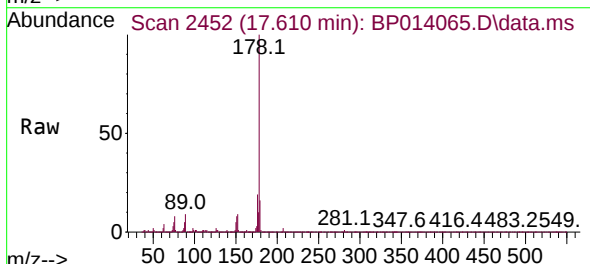
Manual Integrations
APPROVED

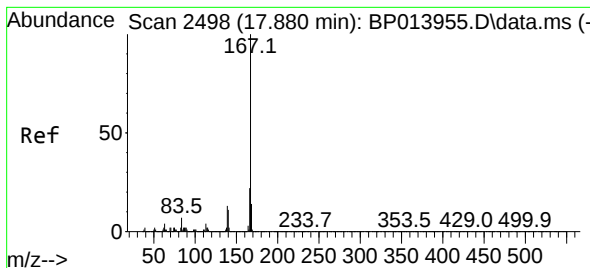
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#72
Anthracene
Concen: 5.227 ng
RT: 17.610 min Scan# 2452
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:178 Resp: 175462
Ion Ratio Lower Upper
178 100
176 19.4 14.9 22.3
179 15.8 12.1 18.1





#73

Carbazole

Concen: 5.157 ng

RT: 17.881 min Scan# 2498

Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

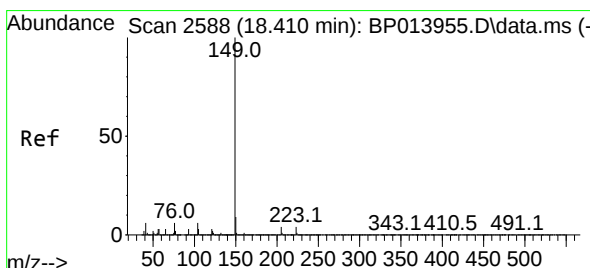
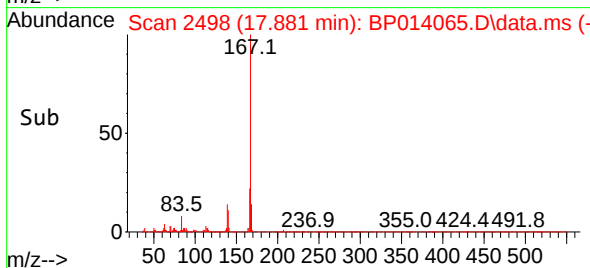
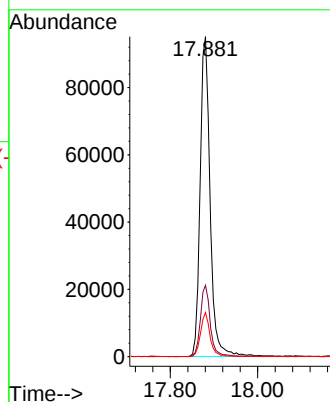
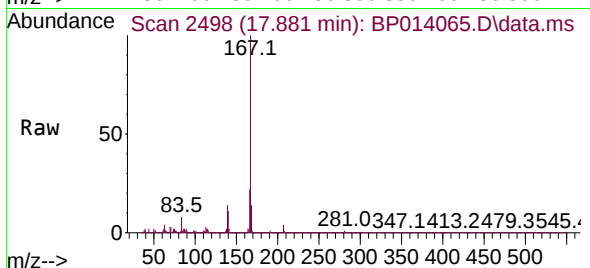
Tgt Ion:	167	Resp:	149328
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.2	25.8
139	13.8	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#74

Di-n-butylphthalate

Concen: 4.565 ng

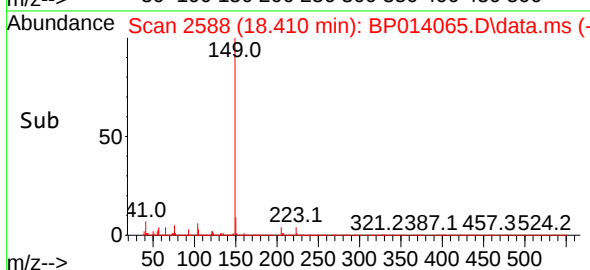
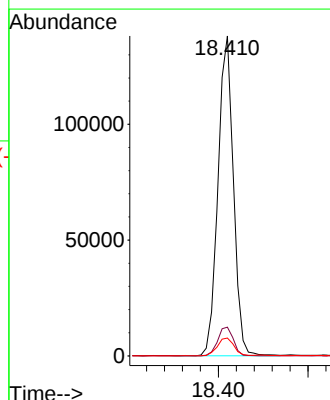
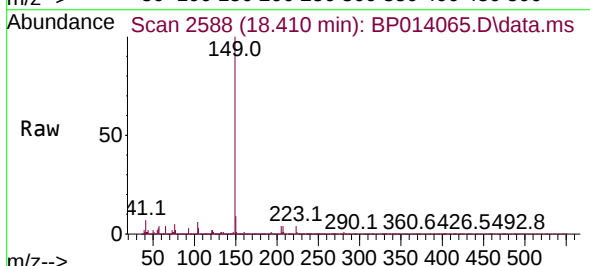
RT: 18.410 min Scan# 2588

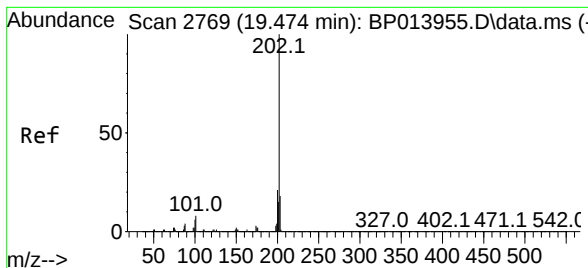
Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	149	Resp:	165277
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.2	10.8
104	5.6	4.6	7.0





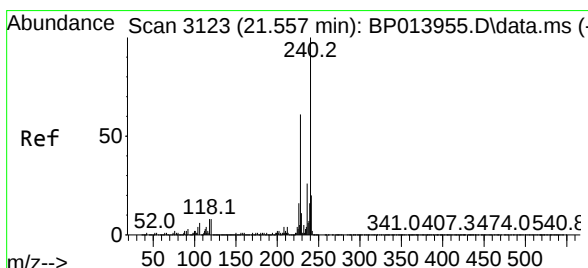
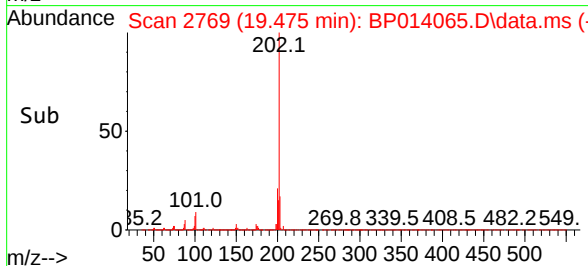
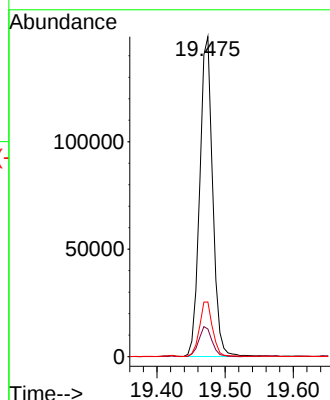
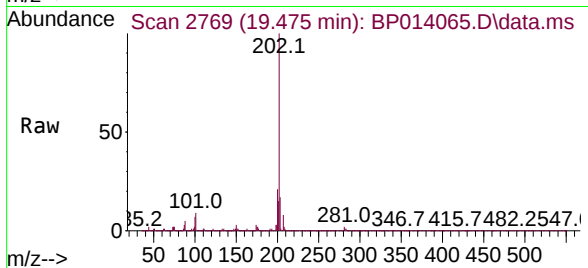
#75
Fluoranthene
Concen: 4.996 ng
RT: 19.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Tgt Ion:202 Resp: 196169
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.9
203 17.1 0.0 37.7

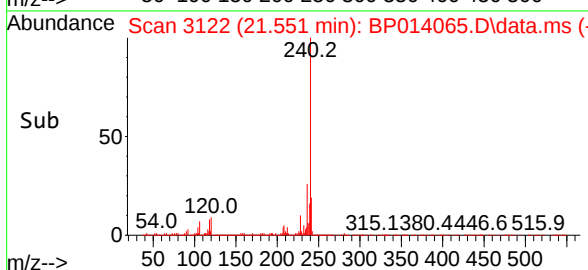
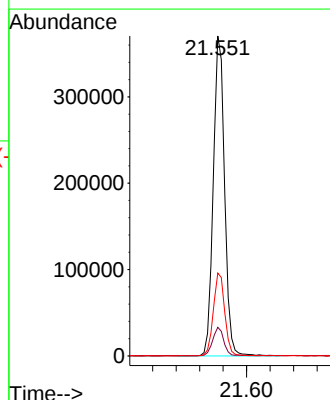
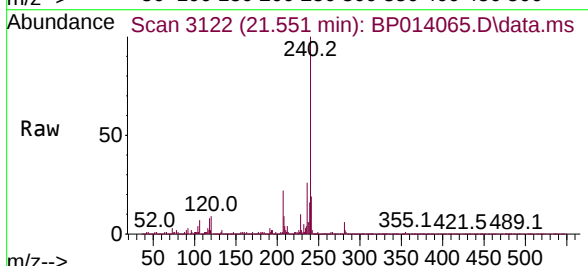
Manual Integrations
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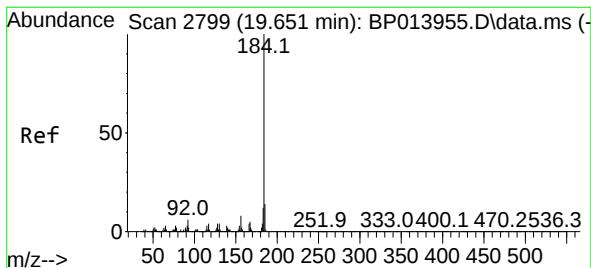
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.551 min Scan# 3122
Delta R.T. 0.006 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

Tgt Ion:240 Resp: 493172
Ion Ratio Lower Upper
240 100
120 8.9 6.4 9.6
236 25.9 21.2 31.8





#77

Benzidine

Concen: 7.478 ng

RT: 19.651 min Scan# 2799

Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

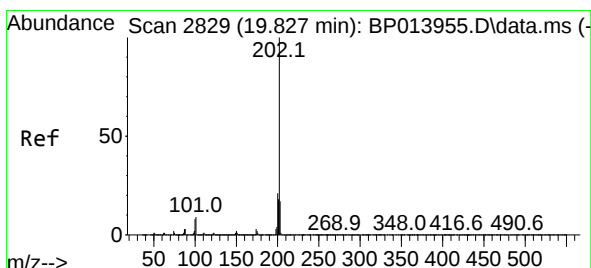
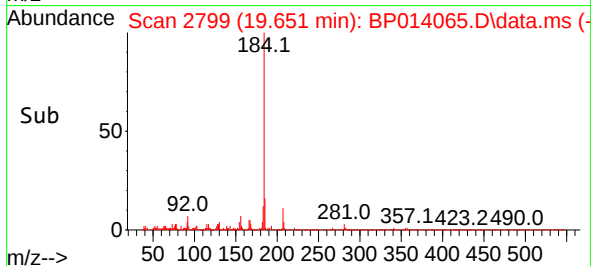
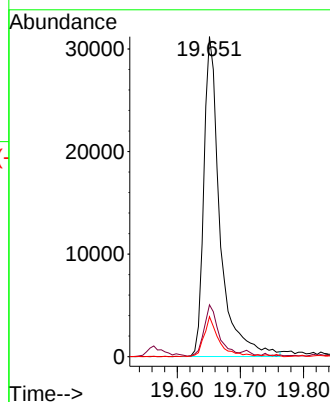
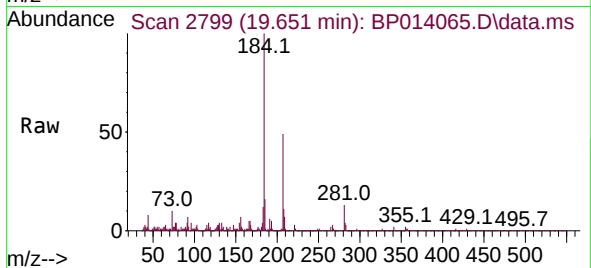
Tgt Ion:184	Resp:	55676
Ion Ratio	Lower	Upper
184	100	
185	16.2	11.6 17.4
183	12.5	9.7 14.5

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#78

Pyrene

Concen: 5.465 ng

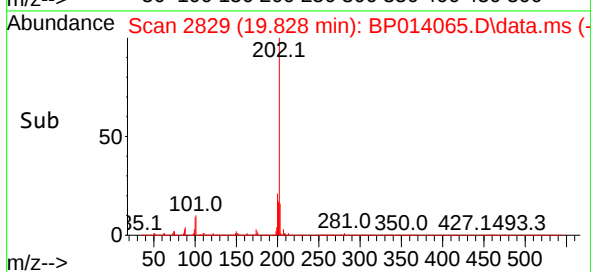
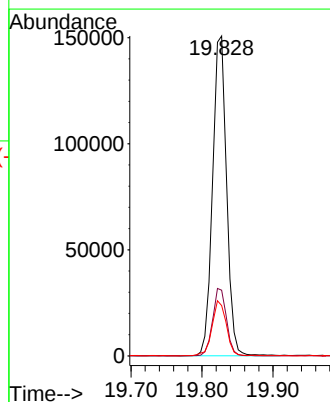
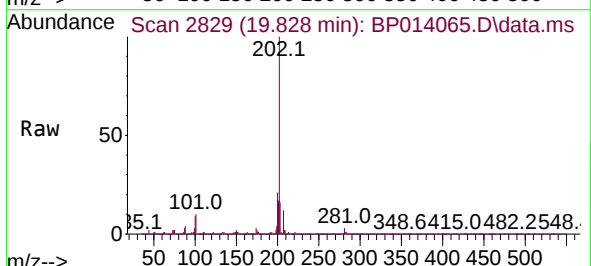
RT: 19.828 min Scan# 2829

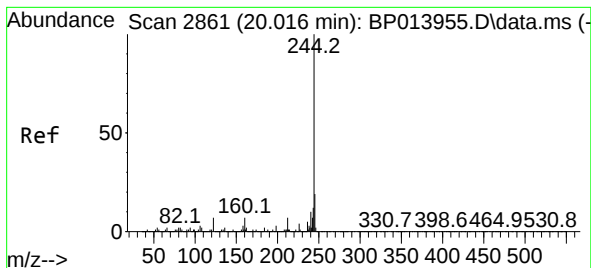
Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:202	Resp:	206848
Ion Ratio	Lower	Upper
202	100	
200	20.5	16.9 25.3
203	15.7	13.9 20.9





#79

Terphenyl-d14

Concen: 75.760 ng

RT: 20.010 min Scan# 2861

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

Tgt Ion:244 Resp: 2265859

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

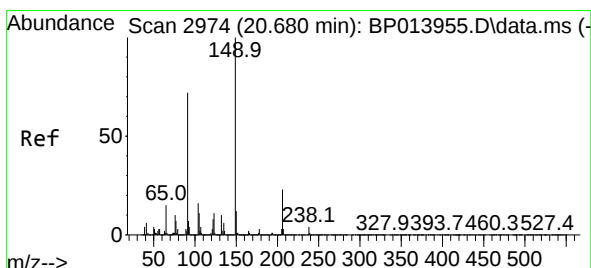
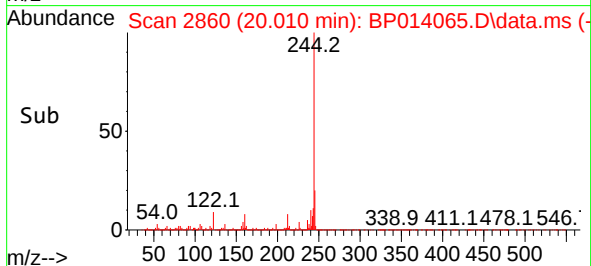
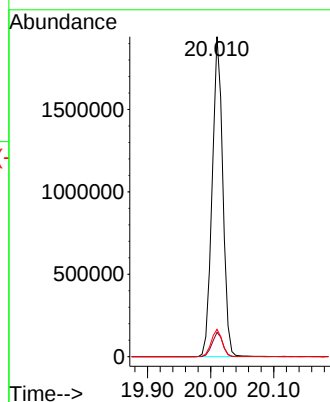
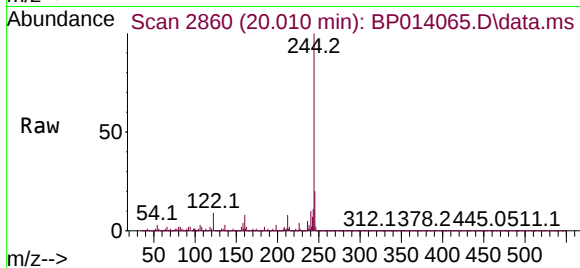
122 8.5 5.8 8.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#80

Butylbenzylphthalate

Concen: 4.240 ng

RT: 20.680 min Scan# 2974

Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

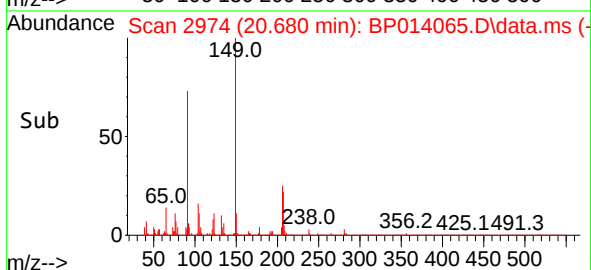
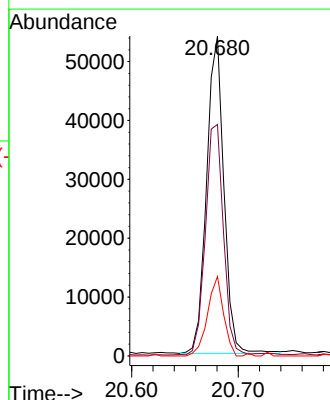
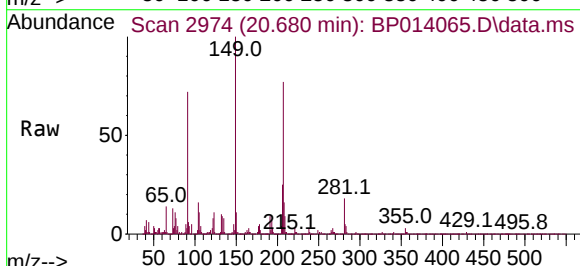
Tgt Ion:149 Resp: 60850

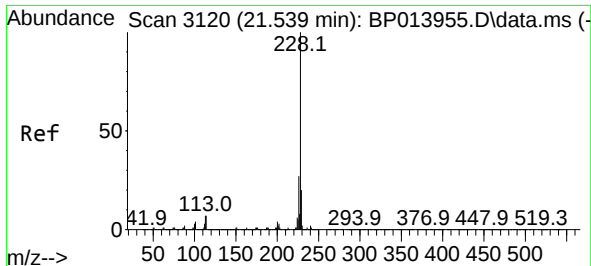
Ion Ratio Lower Upper

149 100

91 72.3 58.0 87.0

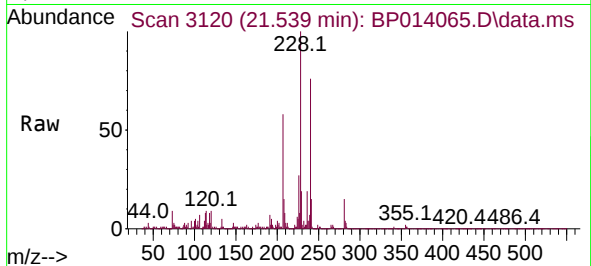
206 24.8 18.7 28.1





#81
Benzo(a)anthracene
Concen: 5.206 ng
RT: 21.539 min Scan# 3120
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04

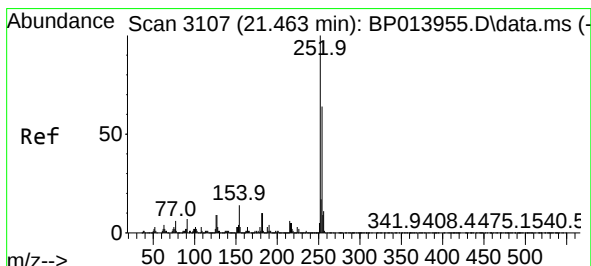
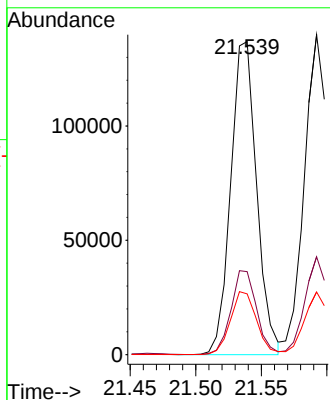
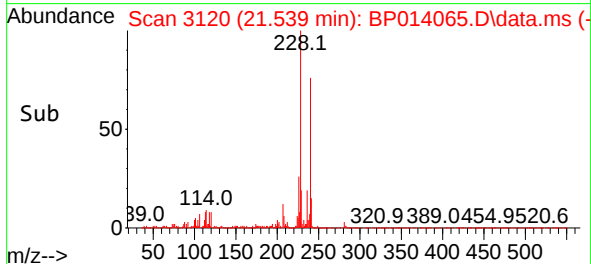
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2023



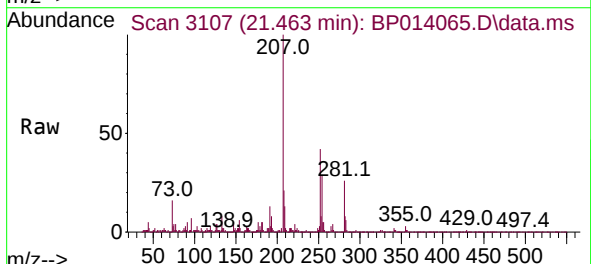
Tgt Ion:228 Resp: 188372
Ion Ratio Lower Upper
228 100
226 26.5 21.8 32.8
229 19.4 15.8 23.6

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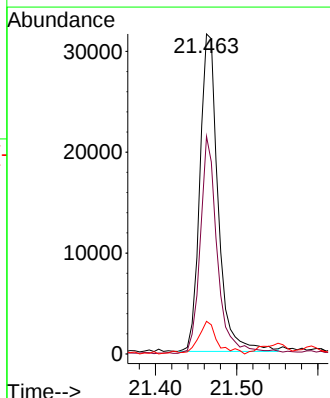
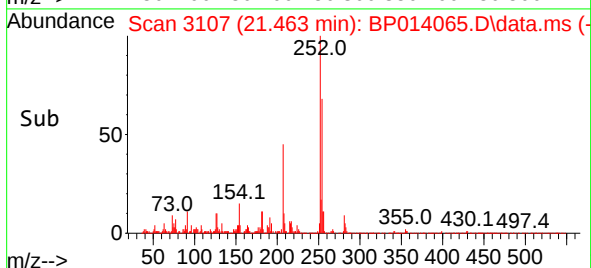
Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

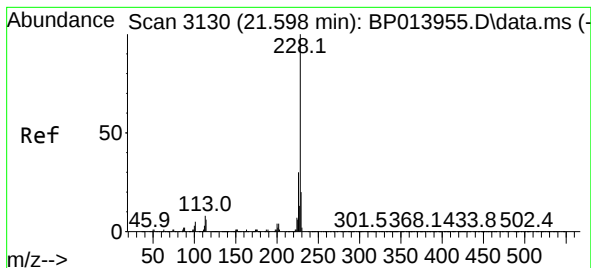


#82
3,3'-Dichlorobenzidine
Concen: 4.240 ng
RT: 21.463 min Scan# 3107
Delta R.T. 0.012 min
Lab File: BP014065.D
Acq: 13 Mar 2023 13:04



Tgt Ion:252 Resp: 49094
Ion Ratio Lower Upper
252 100
254 68.0 51.0 76.6
126 10.2 7.0 10.6





#83

Chrysene

Concen: 5.498 ng

RT: 21.592 min Scan# 3129

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

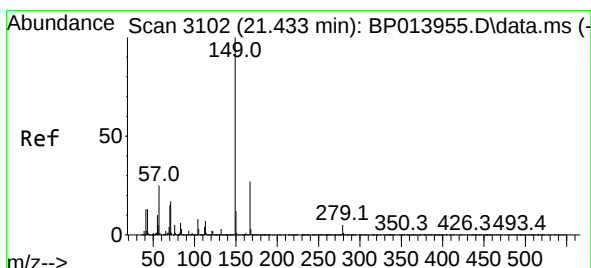
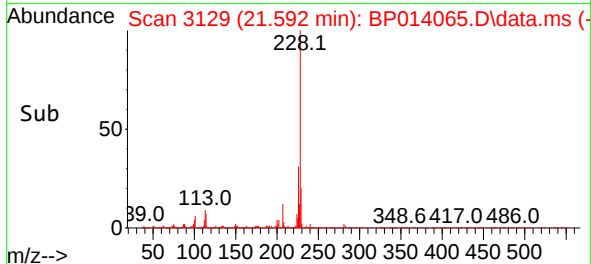
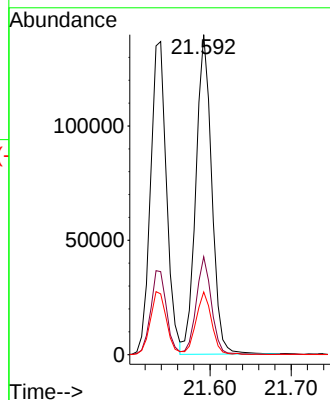
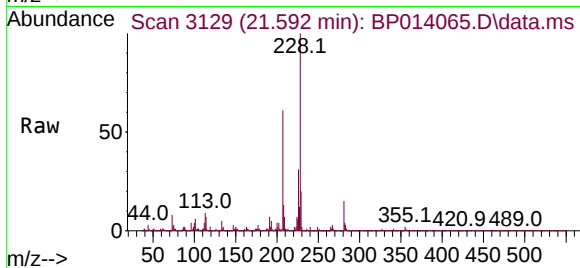
Tgt Ion:	228	Resp:	188418
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.2	36.4
229	19.6	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.037 ng

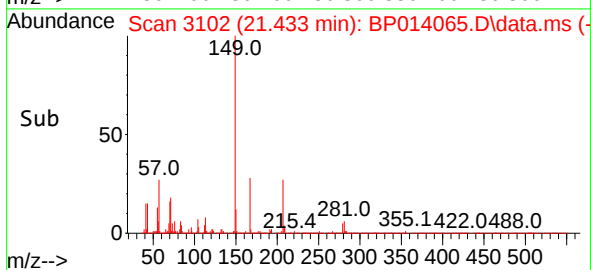
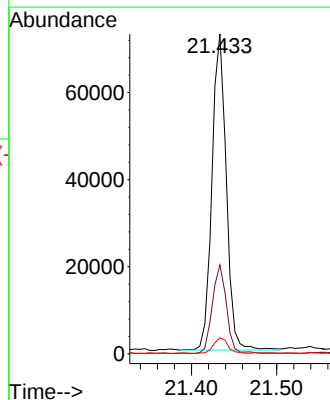
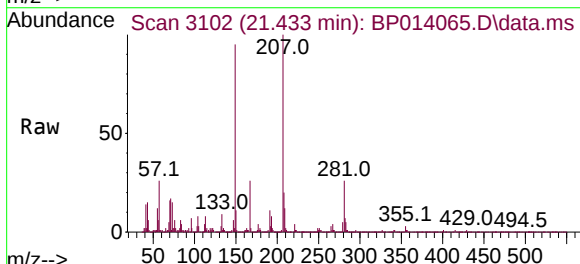
RT: 21.433 min Scan# 3102

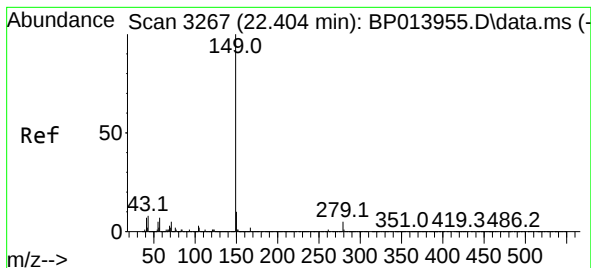
Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	149	Resp:	84996
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.8	32.6
279	5.0	4.0	6.0





#85

Di-n-octyl phthalate

Concen: 3.928 ng

RT: 22.398 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

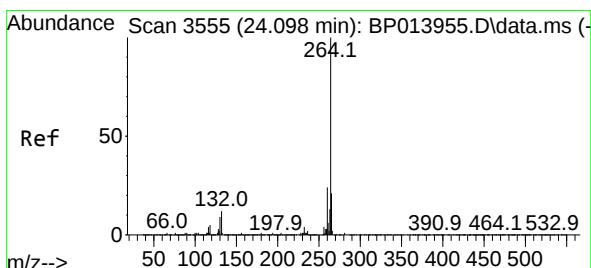
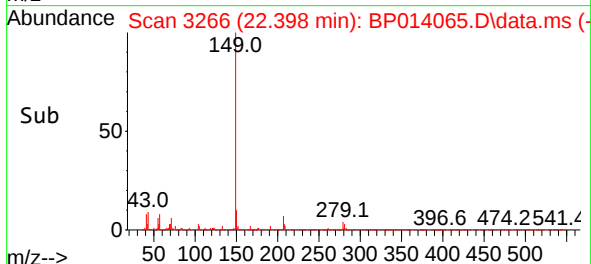
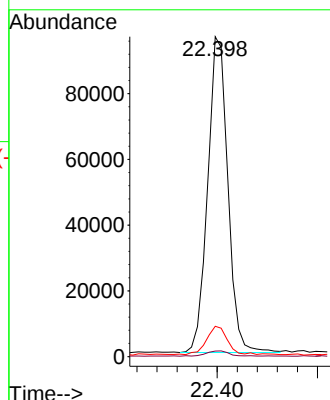
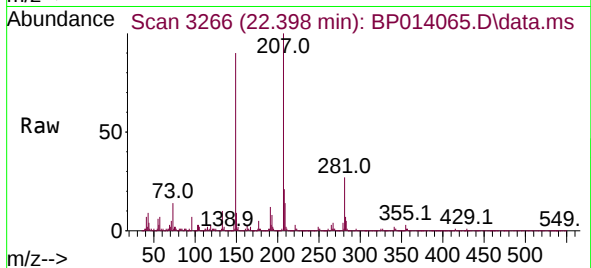
Tgt Ion:	149	Resp:	134245
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	9.5	6.4	9.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#86

Perylene-d12

Concen: 20.000 ng

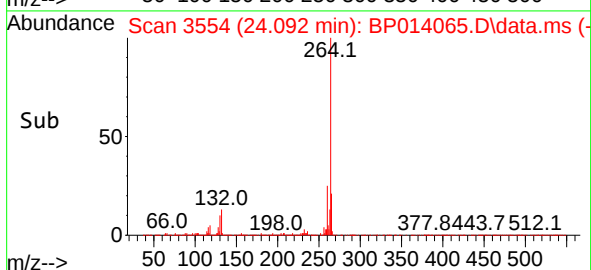
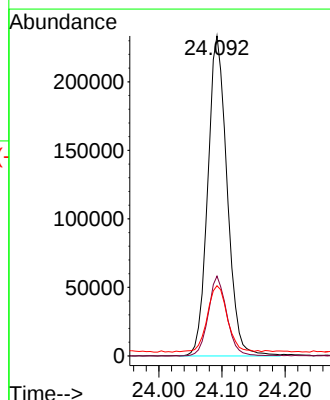
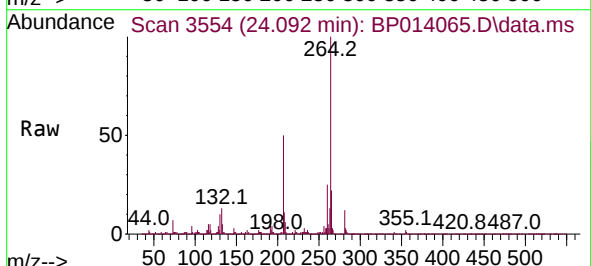
RT: 24.092 min Scan# 3554

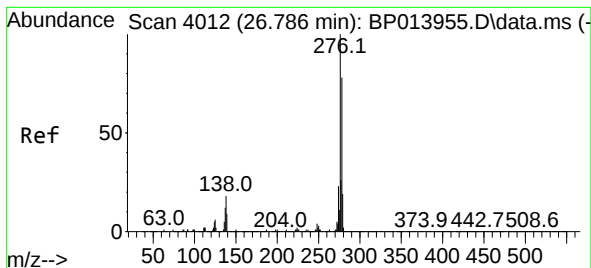
Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	264	Resp:	496456
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.4	29.2
265	21.9	17.8	26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.274 ng

RT: 26.762 min Scan# 4012

Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

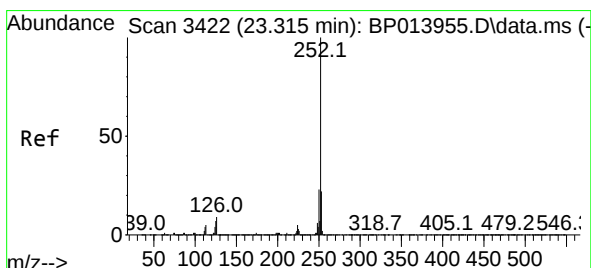
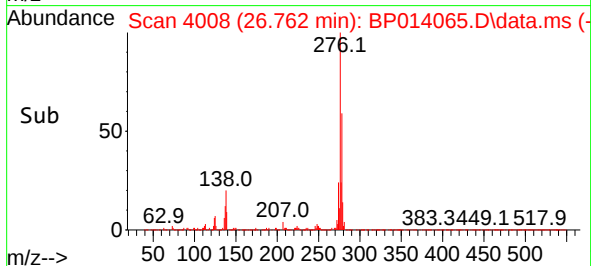
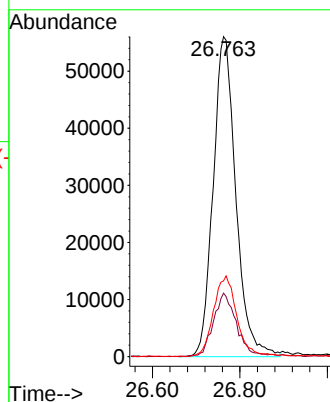
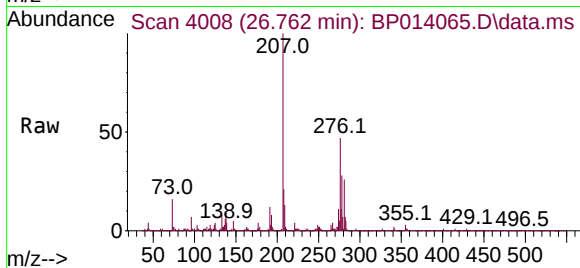
Tgt Ion:	276	Resp:	202299
Ion Ratio	Lower	Upper	
276	100		
138	20.2	13.8	20.8
277	26.0	20.4	30.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#88

Benzo(b)fluoranthene

Concen: 5.592 ng

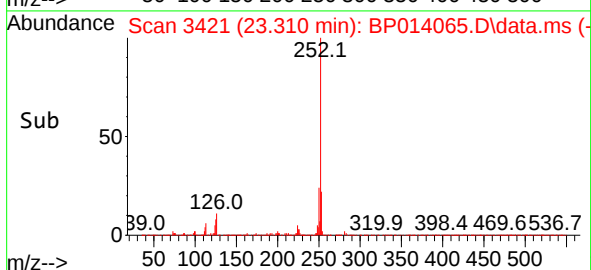
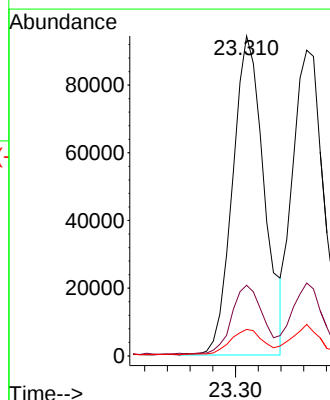
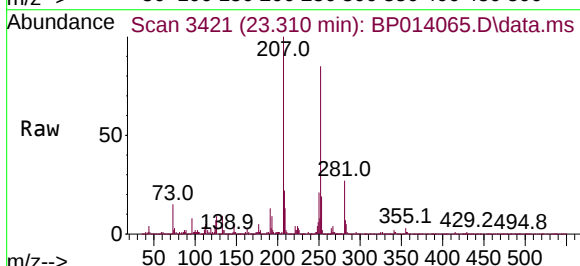
RT: 23.310 min Scan# 3421

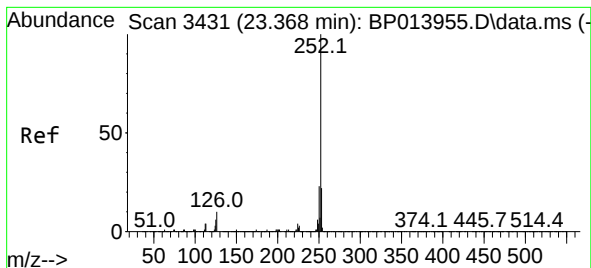
Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	252	Resp:	181784
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	8.3	5.6	8.4





#89

Benzo(k)fluoranthene

Concen: 5.298 ng

RT: 23.363 min Scan# 34

Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

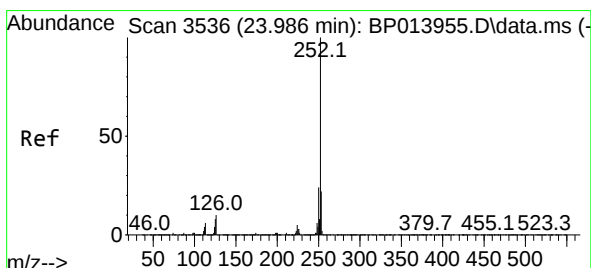
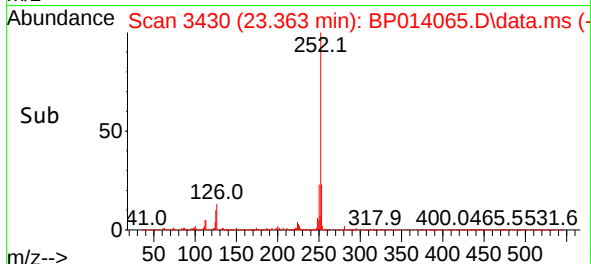
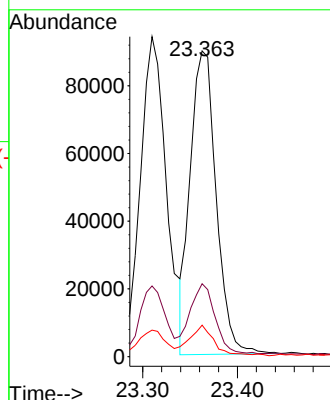
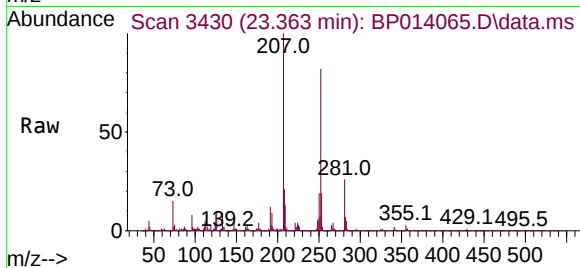
Tgt Ion:	252	Resp:	17075
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.0
125	10.3	5.4	8.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#90

Benzo(a)pyrene

Concen: 4.939 ng

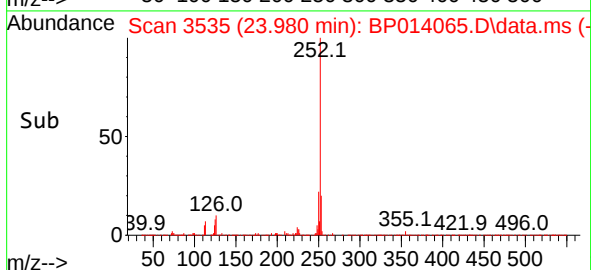
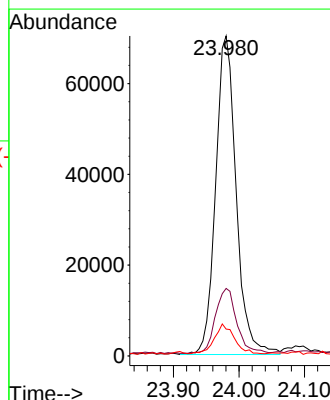
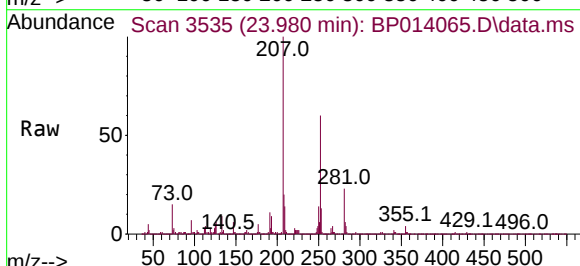
RT: 23.980 min Scan# 3535

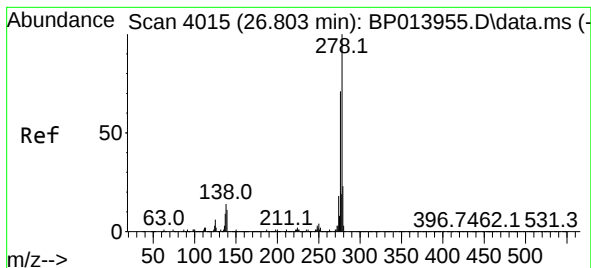
Delta R.T. 0.012 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	252	Resp:	153134
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.4	26.2
125	8.4	6.2	9.4





#91

Dibenzo(a,h)anthracene

Concen: 5.297 ng

RT: 26.780 min Scan# 4015

Delta R.T. 0.018 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2023

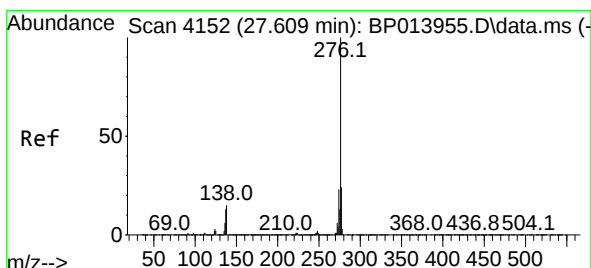
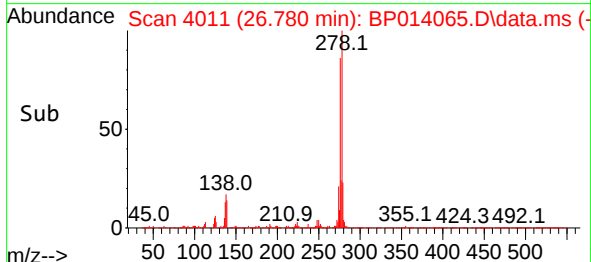
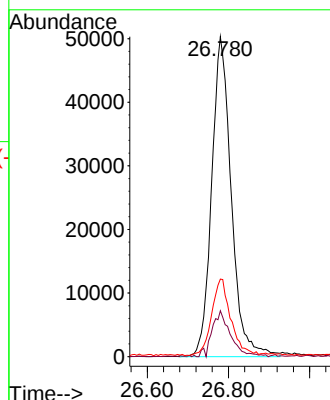
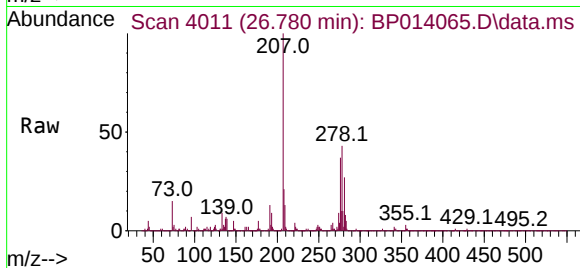
Tgt Ion:	278	Resp:	16892
Ion Ratio	Lower	Upper	
278	100		
139	14.3	8.7	13.1
279	24.2	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#92

Benzo(g,h,i)perylene

Concen: 5.447 ng

RT: 27.586 min Scan# 4148

Delta R.T. 0.018 min

Lab File: BP014065.D

Acq: 13 Mar 2023 13:04

Tgt Ion:	276	Resp:	172136
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.4	29.0
138	16.0	12.2	18.4

