

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012673.D
 Acq On : 18 Nov 2022 15:34
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 03:43:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	218824	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	973375	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	664732	20.000	ng	0.00
64) Phenanthrene-d10	17.439	188	1490817	20.000	ng	0.00
76) Chrysene-d12	21.522	240	1572031	20.000	ng	0.00
86) Perylene-d12	24.051	264	1535673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1112965	91.919	ng	0.00
7) Phenol-d6	7.187	99	1587222	94.124	ng	0.00
23) Nitrobenzene-d5	9.210	82	1236869	79.895	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	730514	96.030	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	3368747	76.253	ng	0.00
79) Terphenyl-d14	19.986	244	5754021	79.084	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.446	88	55466	11.406	ng	98
3) Pyridine	3.858	79	154965	10.095	ng	99
4) n-Nitrosodimethylamine	3.764	42	72722	11.094	ng	# 84
6) Aniline	7.364	93	253600	11.938	ng	99
8) 2-Chlorophenol	7.605	128	180661	12.083	ng	98
9) Benzaldehyde	7.175	77	164643	16.741	ng	98
10) Phenol	7.216	94	221190	11.643	ng	98
11) bis(2-Chloroethyl)ether	7.463	93	186545	12.327	ng	98
12) 1,3-Dichlorobenzene	7.934	146	209047	12.599	ng	97
13) 1,4-Dichlorobenzene	8.081	146	215367	12.729	ng	99
14) 1,2-Dichlorobenzene	8.405	146	211182	13.006	ng	99
15) Benzyl Alcohol	8.281	79	131249	10.446	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.575	45	274373	12.850	ng	98
17) 2-Methylphenol	8.481	107	148529	11.275	ng	97
18) Hexachloroethane	9.140	117	74972	13.260	ng	98
19) n-Nitroso-di-n-propyla...	8.852	70	128201	11.185	ng	96
20) 3+4-Methylphenols	8.805	107	197690	10.712	ng	99
22) Acetophenone	8.869	105	311899	12.837	ng	# 98
24) Nitrobenzene	9.252	77	214131	12.809	ng	98
25) Isophorone	9.781	82	427084	12.264	ng	99
26) 2-Nitrophenol	9.969	139	67538	9.317	ng	97
27) 2,4-Dimethylphenol	10.022	122	159857	11.685	ng	99
28) bis(2-Chloroethoxy)met...	10.269	93	262207	13.239	ng	99
29) 2,4-Dichlorophenol	10.499	162	176198	11.081	ng	96
30) 1,2,4-Trichlorobenzene	10.722	180	208072	12.191	ng	99
31) Naphthalene	10.916	128	650432	12.155	ng	100
32) Benzoic acid	10.093	122	94920m	8.862	ng	
33) 4-Chloroaniline	11.016	127	246377	11.051	ng	99
34) Hexachlorobutadiene	11.204	225	128025	12.696	ng	100
35) Caprolactam	11.769	113	50095	9.676	ng	89
36) 4-Chloro-3-methylphenol	12.128	107	186420	10.922	ng	99
37) 2-Methylnaphthalene	12.516	142	468558	12.244	ng	99
38) 1-Methylnaphthalene	12.734	142	447688	11.905	ng	99
40) 1,2,4,5-Tetrachloroben...	12.881	216	253912	13.097	ng	99
41) Hexachlorocyclopentadiene	12.863	237	105719	14.337	ng	98
43) 2,4,6-Trichlorophenol	13.110	196	146303	10.599	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.175	196	164670	10.783	ng	98
46) 1,1'-Biphenyl	13.516	154	645199	12.980	ng	98
47) 2-Chloronaphthalene	13.557	162	492757	12.484	ng	97
48) 2-Nitroaniline	13.757	65	67262	8.515	ng	97
49) Acenaphthylene	14.404	152	779790	12.105	ng	99
50) Dimethylphthalate	14.134	163	600594	11.471	ng	100
51) 2,6-Dinitrotoluene	14.245	165	99133	10.797	ng	91
52) Acenaphthene	14.745	154	488273	11.877	ng	97
53) 3-Nitroaniline	14.575	138	100789	9.586	ng	97
54) 2,4-Dinitrophenol	14.775	184	46585	9.137	ng	99
55) Dibenzofuran	15.081	168	780177	12.571	ng	98
56) 4-Nitrophenol	14.863	139	91905	9.338	ng	91
57) 2,4-Dinitrotoluene	15.034	165	120810	9.892	ng	94
58) Fluorene	15.728	166	632433	12.947	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.298	232	150273	10.930	ng	98
60) Diethylphthalate	15.498	149	561884	10.909	ng	100
61) 4-Chlorophenyl-phenyle...	15.722	204	309948	13.200	ng	97
62) 4-Nitroaniline	15.734	138	91065	8.853	ng	93
63) Azobenzene	16.016	77	596546	12.677	ng	98
65) 4,6-Dinitro-2-methylph...	15.792	198	61392	8.386	ng	92
66) n-Nitrosodiphenylamine	15.934	169	507210	11.416	ng	98
67) 4-Bromophenyl-phenylether	16.622	248	172914	11.092	ng	95
68) Hexachlorobenzene	16.734	284	221928	12.276	ng	97
69) Atrazine	16.892	200	133807	11.430	ng	99
70) Pentachlorophenol	17.075	266	123131	10.494	ng	98
71) Phenanthrene	17.481	178	1028820	12.166	ng	99
72) Anthracene	17.569	178	1012509	12.410	ng	99
73) Carbazole	17.834	167	934817	12.065	ng	99
74) Di-n-butylphthalate	18.392	149	747314	9.251	ng	98
75) Fluoranthene	19.433	202	1200881	11.987	ng	99
77) Benzidine	19.610	184	183860	8.508	ng	98
78) Pyrene	19.786	202	1242756	11.186	ng	99
80) Butylbenzylphthalate	20.663	149	121124	6.041	ng	98
81) Benzo(a)anthracene	21.504	228	1254364	11.382	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	201854	7.277	ng	97
83) Chrysene	21.557	228	1215103	11.627	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	212247	5.841	ng	99
85) Di-n-octyl phthalate	22.410	149	374228	4.868	ng	# 86
87) Indeno(1,2,3-cd)pyrene	26.715	276	1246793	11.152	ng	100
88) Benzo(b)fluoranthene	23.274	252	1233665	12.134	ng	99
89) Benzo(k)fluoranthene	23.327	252	1227955	12.156	ng	99
90) Benzo(a)pyrene	23.939	252	1009485	11.965	ng	99
91) Dibenzo(a,h)anthracene	26.739	278	1109938	12.006	ng	99
92) Benzo(g,h,i)perylene	27.527	276	1044762	11.635	ng	99

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

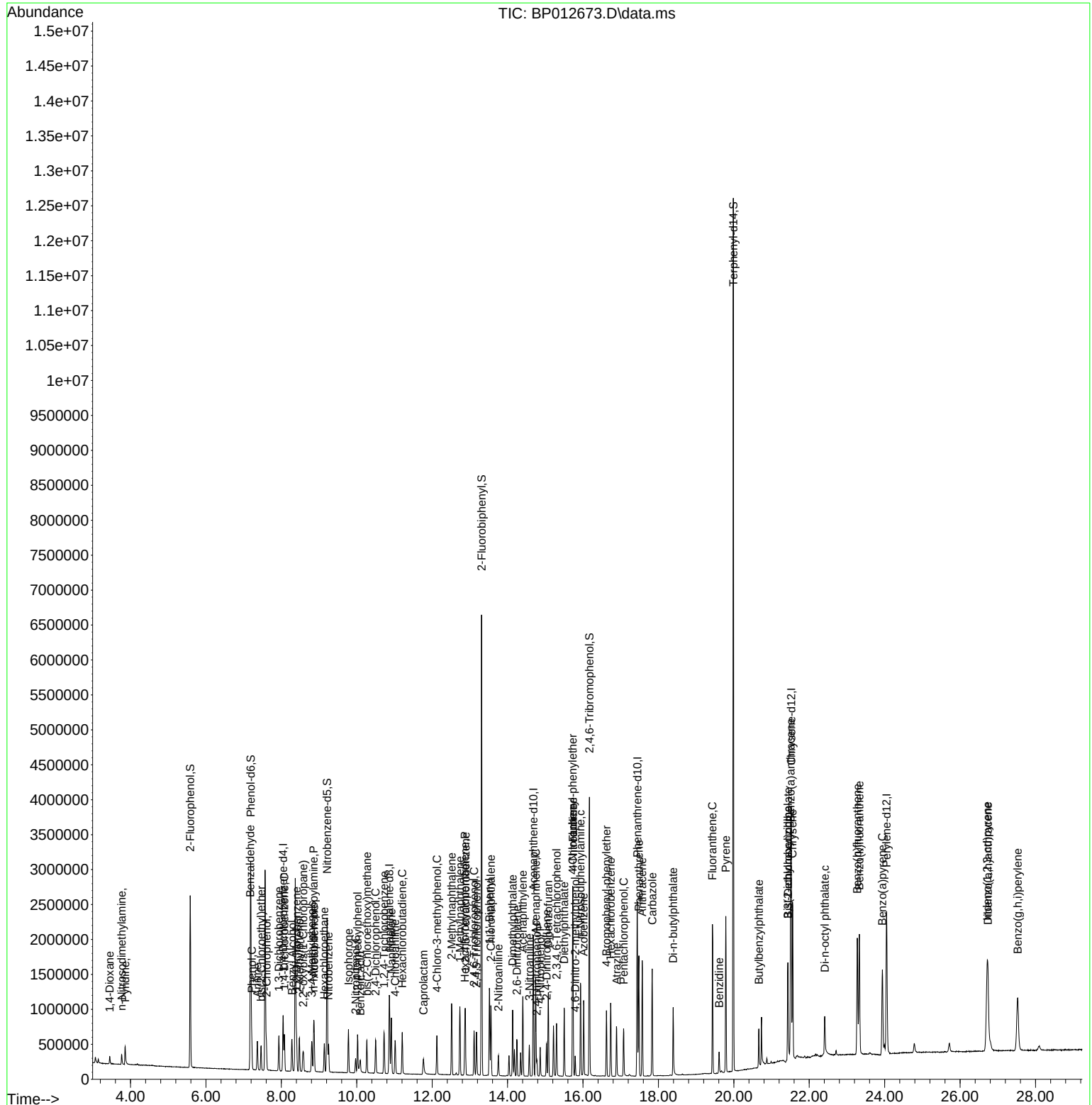
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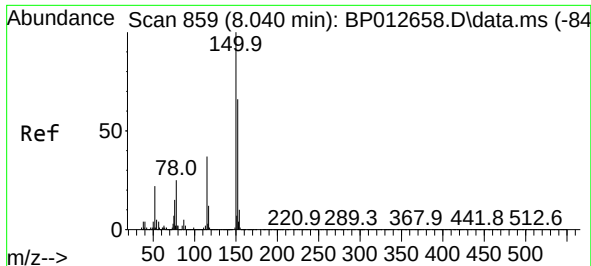
Instrument :
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 LOQ-SOIL-02-QT4-2022

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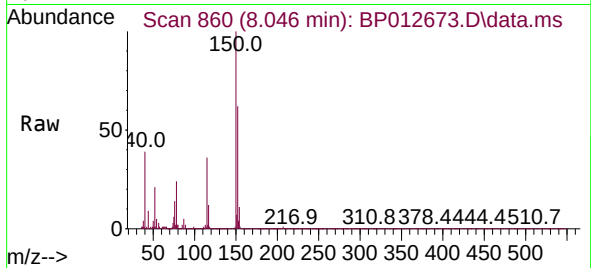
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.046 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

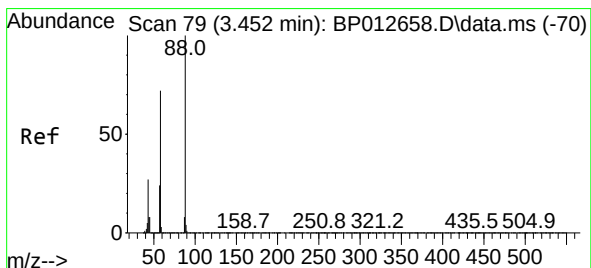
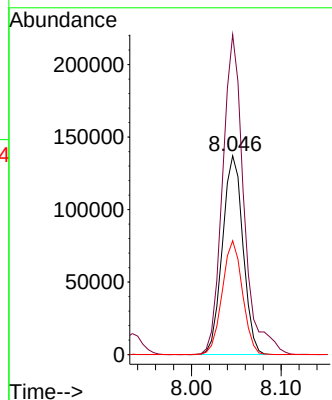
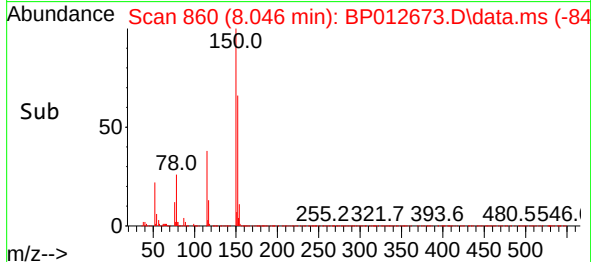
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 218824
Ion Ratio Lower Upper
152 100
150 161.0 121.8 182.8
115 57.3 45.4 68.2

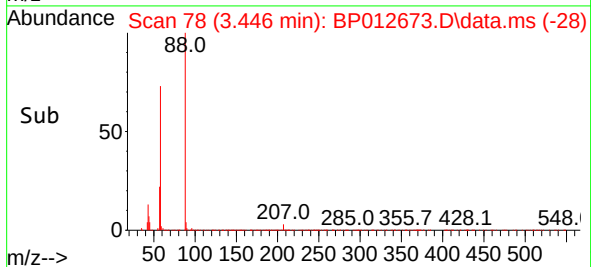
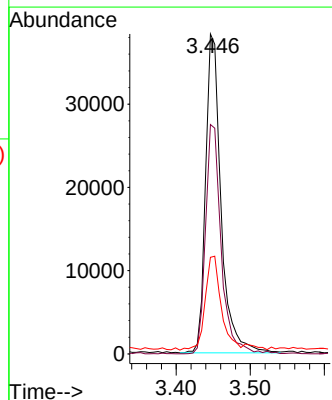
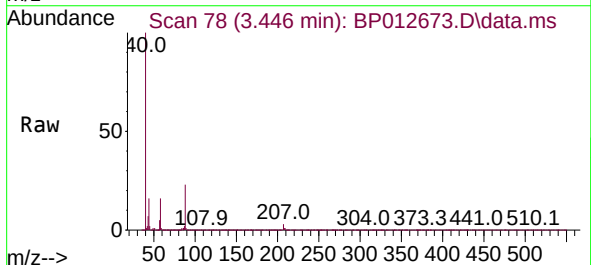
Manual Integrations
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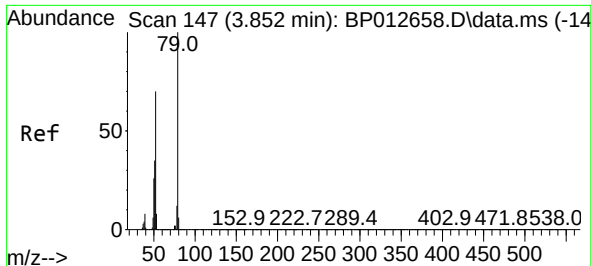
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#2
1,4-Dioxane
Concen: 11.406 ng
RT: 3.446 min Scan# 78
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

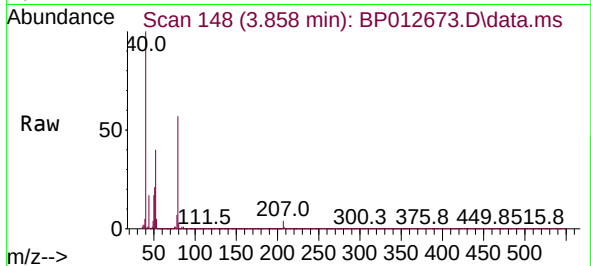
Tgt Ion: 88 Resp: 55466
Ion Ratio Lower Upper
88 100
58 73.1 59.3 88.9
43 30.4 23.0 34.4





#3
Pyridine
Concen: 10.095 ng
RT: 3.858 min Scan# 147
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

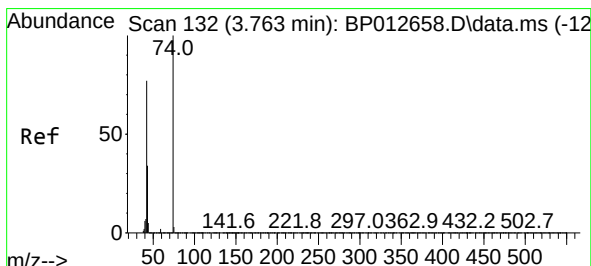
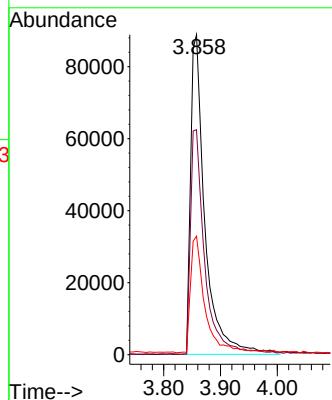
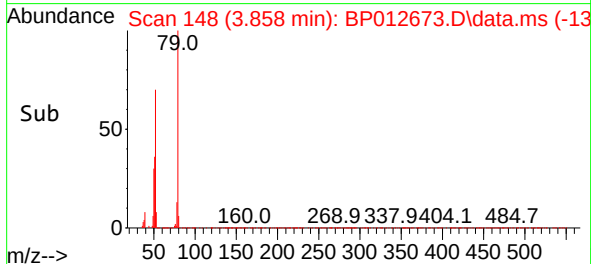
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



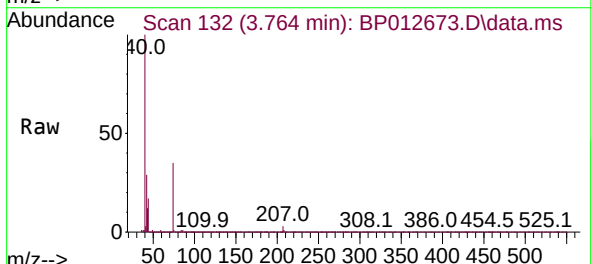
Tgt Ion: 79 Resp: 154965
Ion Ratio Lower Upper
79 100
52 70.3 56.1 84.1
51 37.0 28.1 42.1

Manual Integrations
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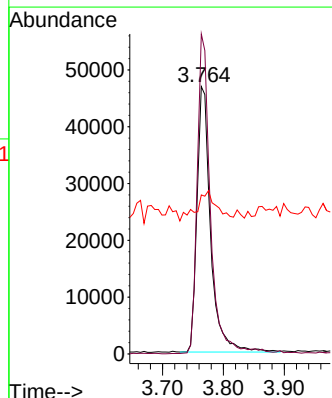
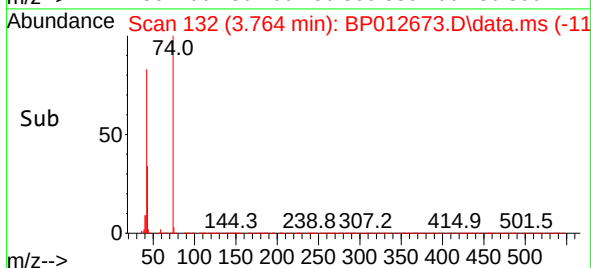
Reviewed By :Christian Giraldo 11/21/2022
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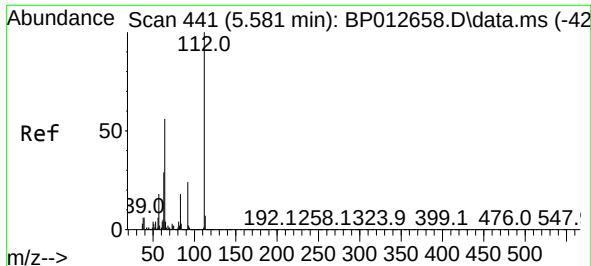


#4
n-Nitrosodimethylamine
Concen: 11.094 ng
RT: 3.764 min Scan# 132
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion: 42 Resp: 72722
Ion Ratio Lower Upper
42 100
74 119.8 103.5 155.3
44 59.5 6.4 9.6#





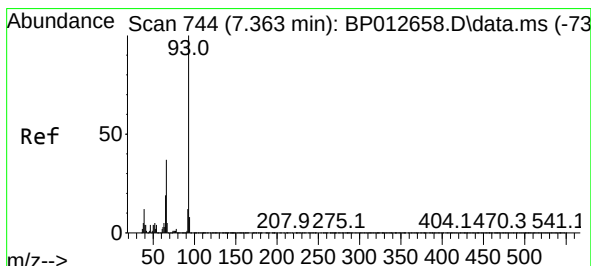
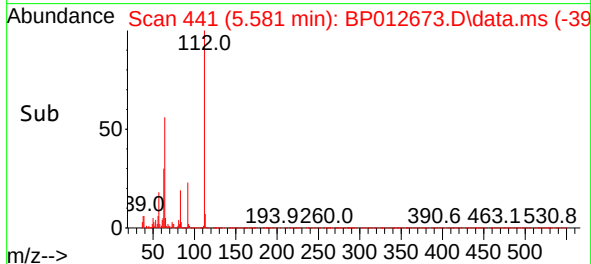
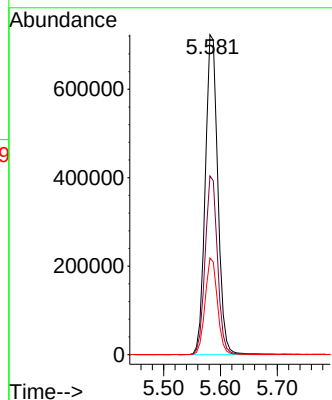
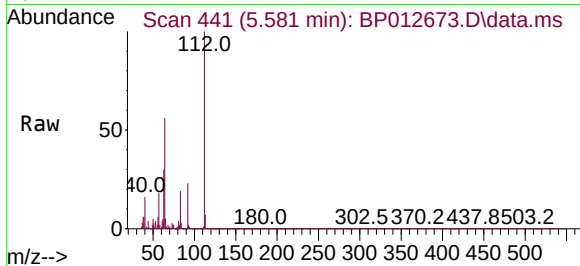
#5
2-Fluorophenol
Concen: 91.919 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion: 112 Resp: 1112965
Ion Ratio Lower Upper
112 100
64 55.8 44.7 67.1
63 30.2 23.3 34.9

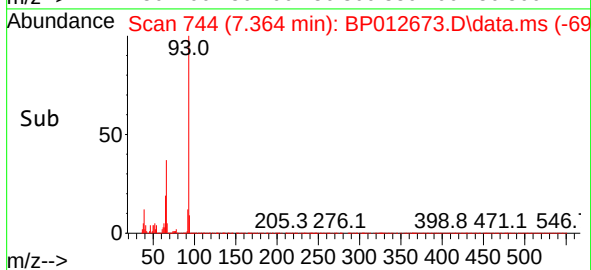
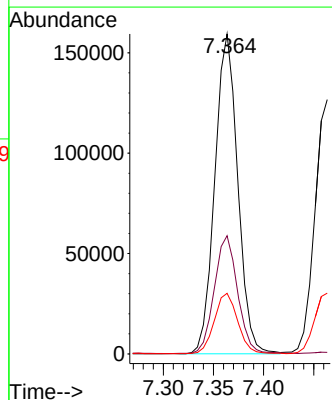
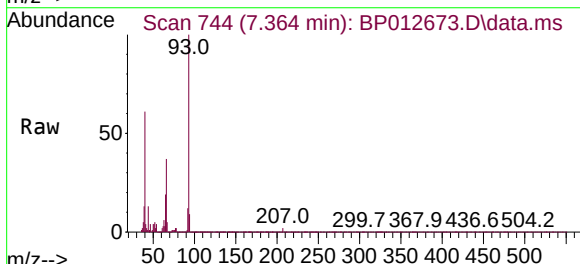
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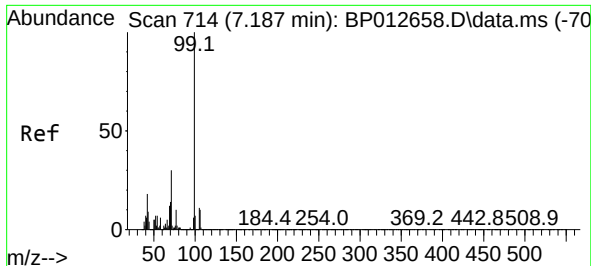
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 11.938 ng
RT: 7.364 min Scan# 744
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

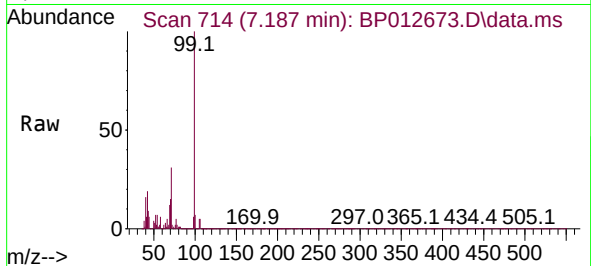
Tgt Ion: 93 Resp: 253600
Ion Ratio Lower Upper
93 100
66 36.9 29.9 44.9
65 18.9 15.4 23.2





#7
Phenol-d6
Concen: 94.124 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

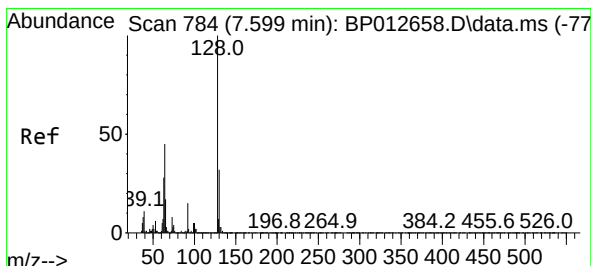
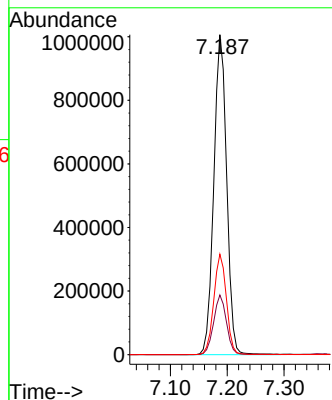
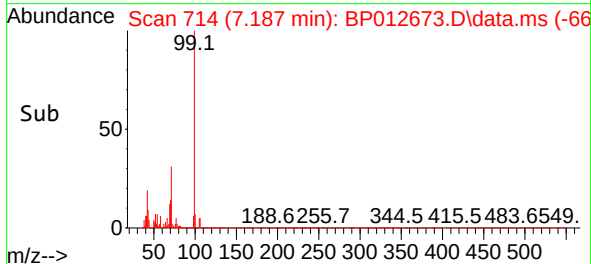
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Tgt Ion: 99 Resp: 1587222
Ion Ratio Lower Upper
99 100
42 18.6 14.2 21.2
71 31.4 24.4 36.6

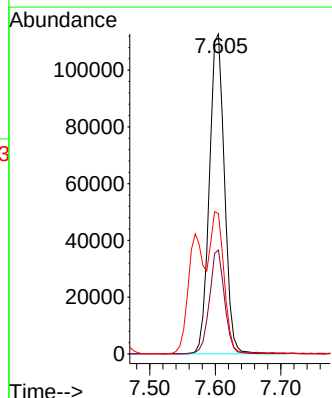
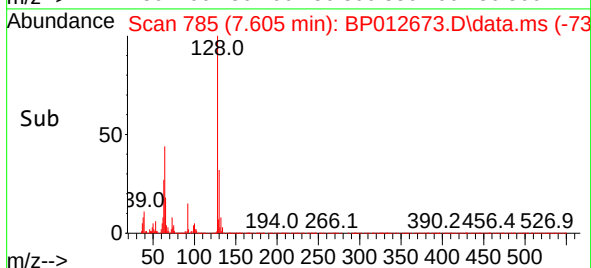
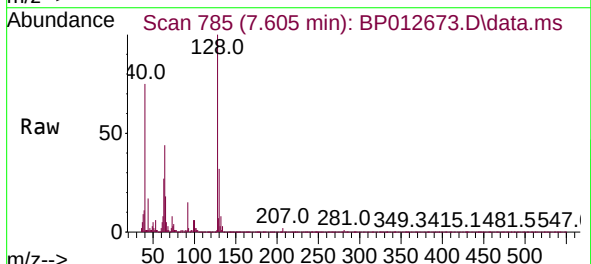
Manual Integrations
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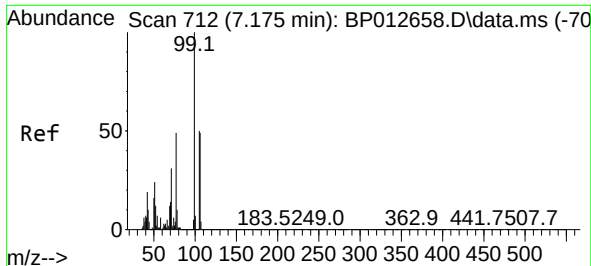
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 12.083 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

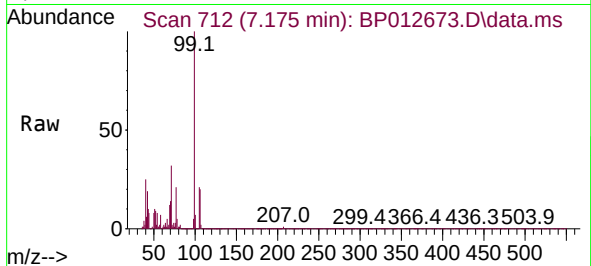
Tgt Ion:128 Resp: 180661
Ion Ratio Lower Upper
128 100
130 32.5 12.0 52.0
64 43.9 25.5 65.5





#9
Benzaldehyde
Concen: 16.741 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

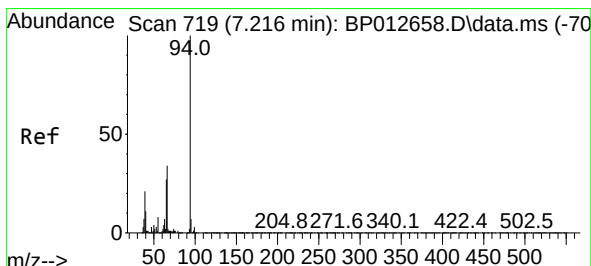
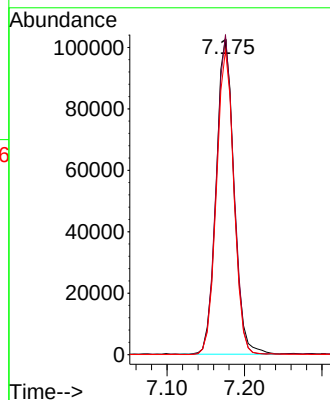
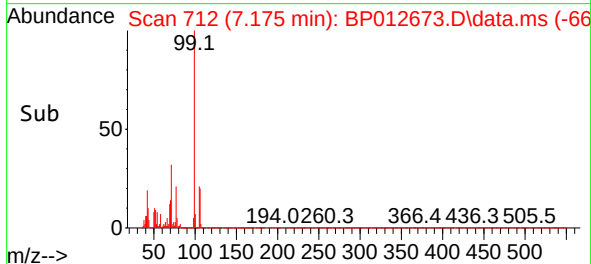
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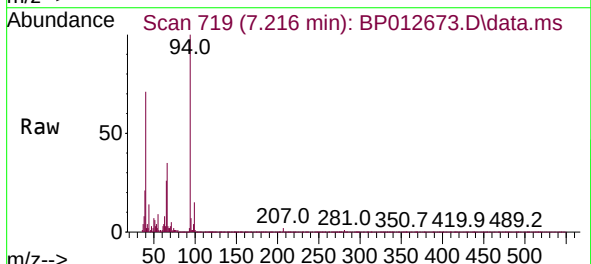
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Ion Ratio Lower Upper
77 100
105 101.0 82.0 122.0
106 96.1 79.6 119.6

Manual Integrations
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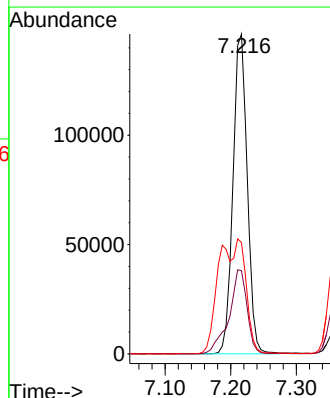
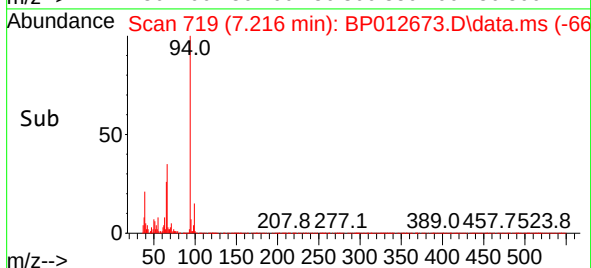
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

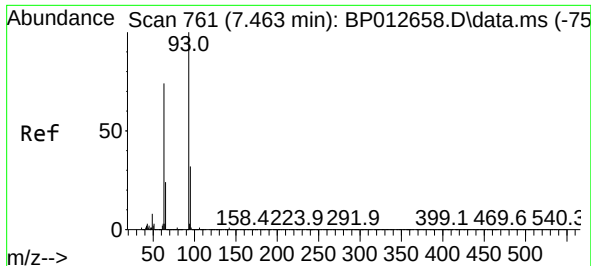


#10
Phenol
Concen: 11.643 ng
RT: 7.216 min Scan# 719
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion: 94 Resp: 221190
Ion Ratio Lower Upper
94 100
65 26.0 6.8 46.8
66 34.8 13.9 53.9





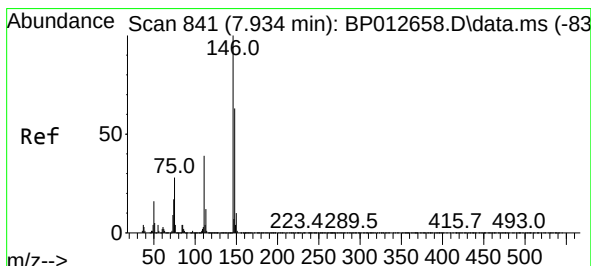
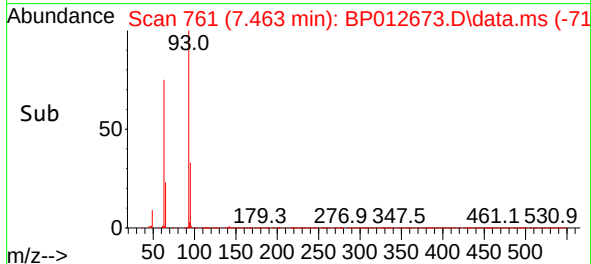
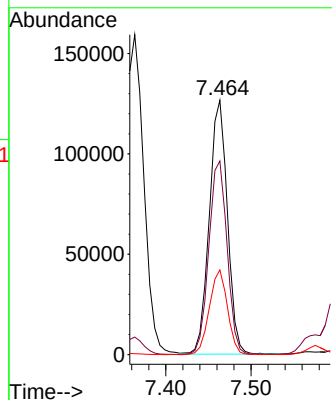
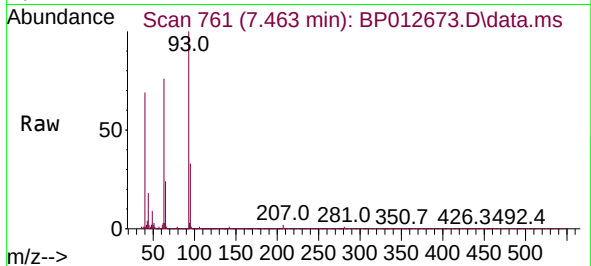
#11
bis(2-Chloroethyl)ether
Concen: 12.327 ng
RT: 7.463 min Scan# 761
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
Client Sample Id :
LOQ-SOIL-02-QT4-2022

Tgt Ion: 93 Resp: 186545
Ion Ratio Lower Upper
93 100
63 76.2 53.9 93.9
95 33.3 12.3 52.3

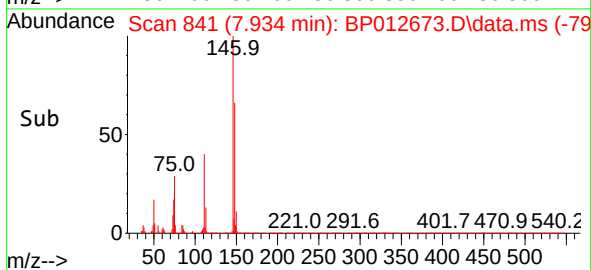
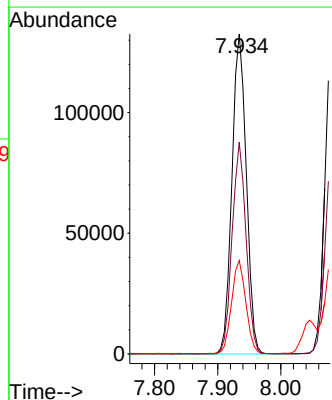
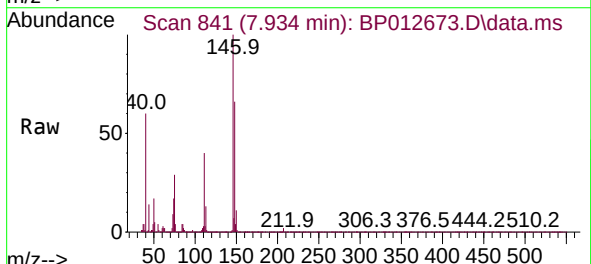
Manual Integrations
APPROVED

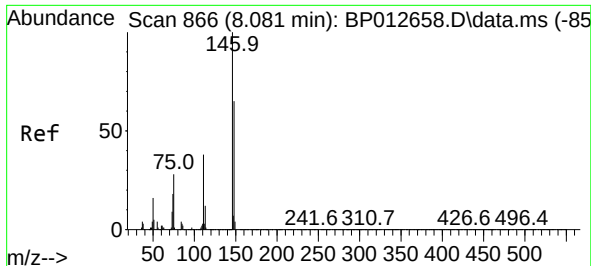
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 12.599 ng
RT: 7.934 min Scan# 841
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:146 Resp: 209047
Ion Ratio Lower Upper
146 100
148 66.1 50.6 76.0
75 29.2 22.5 33.7





#13

1,4-Dichlorobenzene

Concen: 12.729 ng

RT: 8.081 min Scan# 866

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

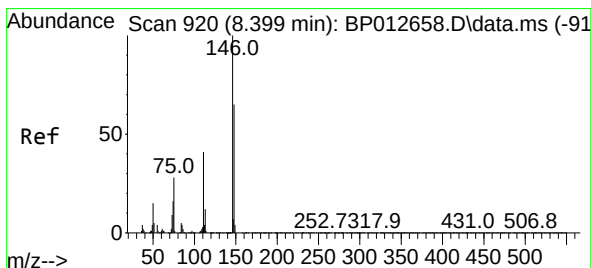
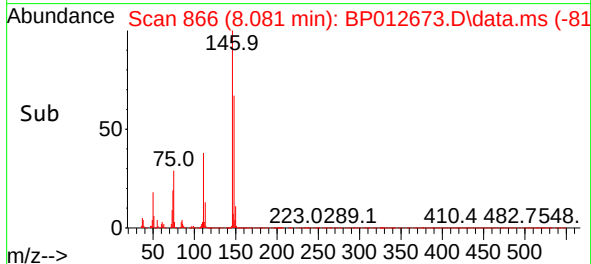
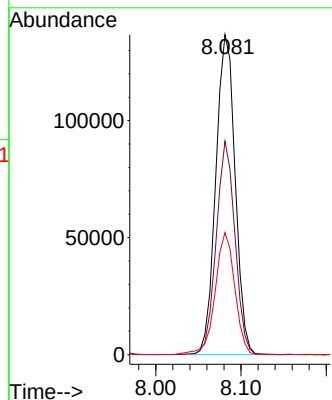
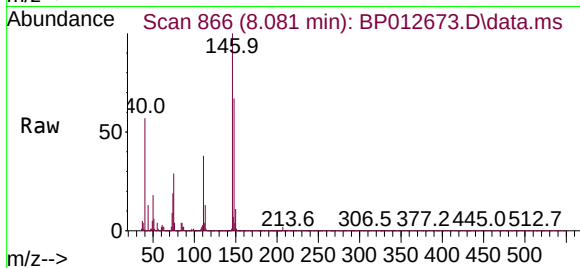
Tgt Ion:	146	Resp:	21536
Ion Ratio	Lower	Upper	
146	100		
148	66.7	52.2	78.4
111	38.1	30.6	45.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#14

1,2-Dichlorobenzene

Concen: 13.006 ng

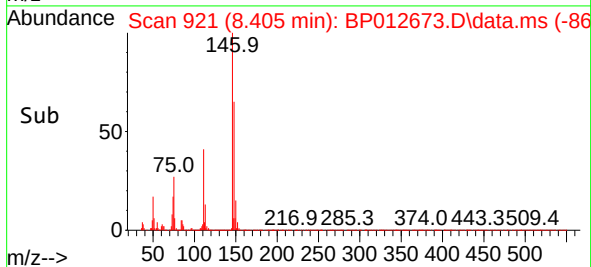
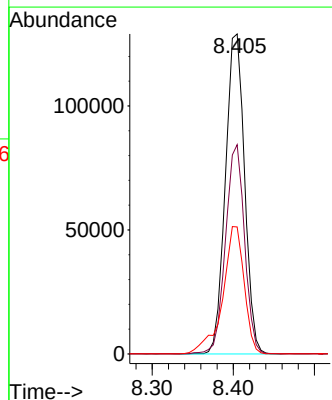
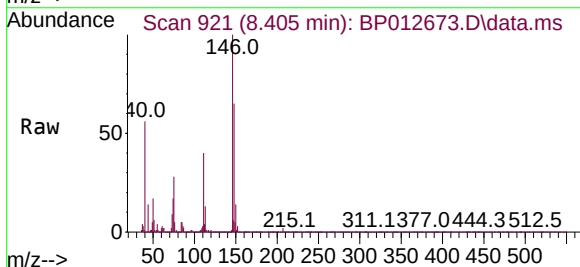
RT: 8.405 min Scan# 921

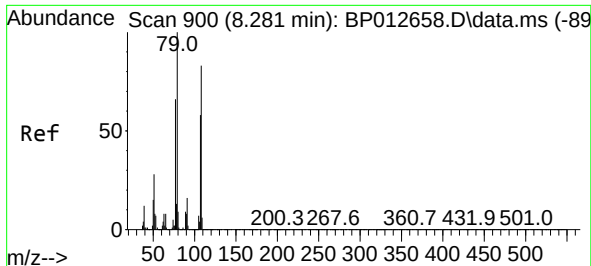
Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

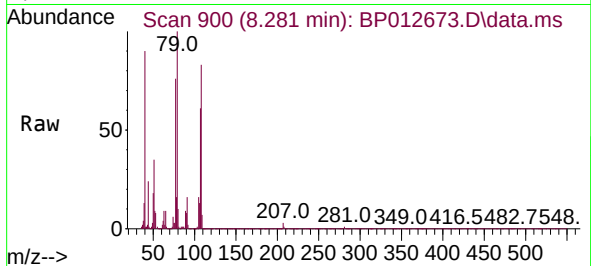
Tgt Ion:	146	Resp:	211182
Ion Ratio	Lower	Upper	
146	100		
148	65.4	52.1	78.1
111	39.7	32.8	49.2





#15
Benzyl Alcohol
Concen: 10.446 ng
RT: 8.281 min Scan# 900
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

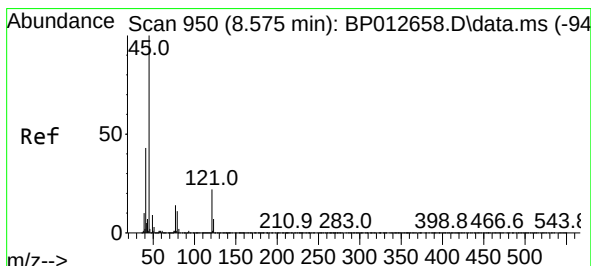
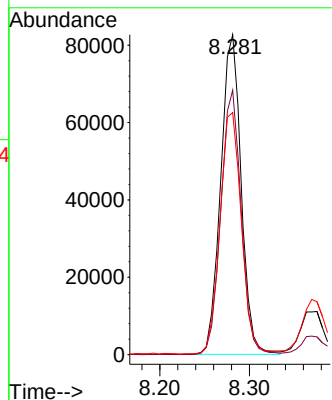
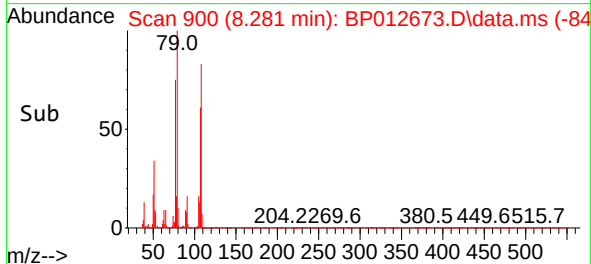
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



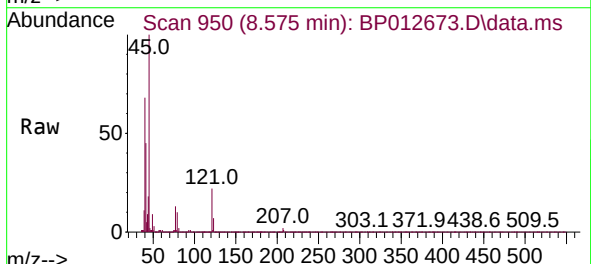
Tgt Ion: 79 Resp: 131249
Ion Ratio Lower Upper
79 100
108 82.6 66.4 99.6
77 75.6 53.2 79.8

Manual Integrations
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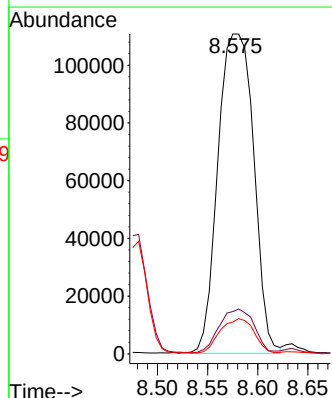
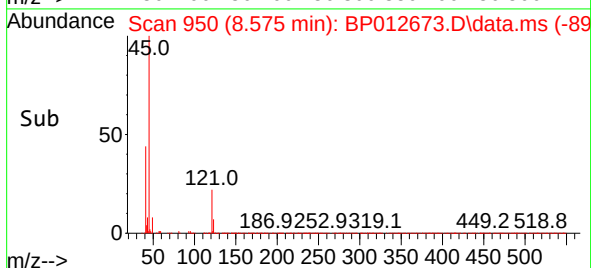
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

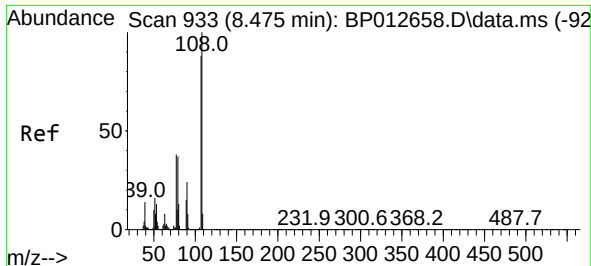


#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.850 ng
RT: 8.575 min Scan# 950
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion: 45 Resp: 274373
Ion Ratio Lower Upper
45 100
77 13.2 0.0 33.8
79 9.9 0.0 30.7





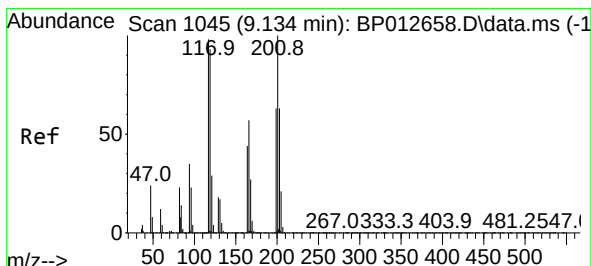
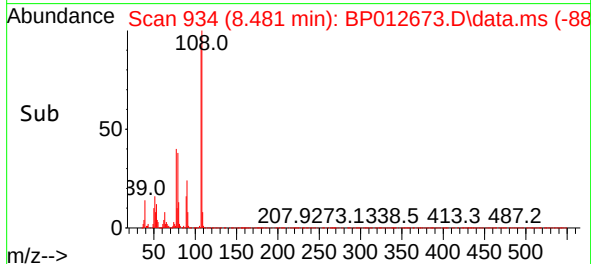
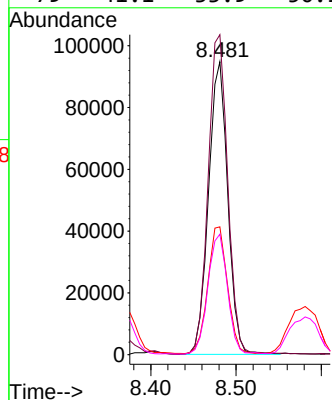
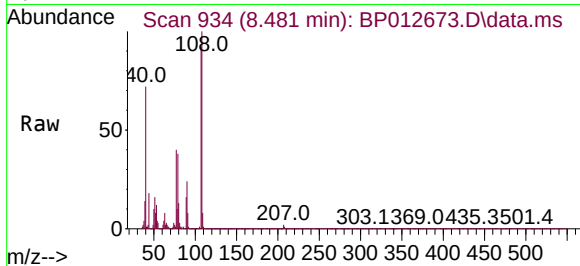
#17
2-Methylphenol
Concen: 11.275 ng
RT: 8.481 min Scan# 934
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:107 Resp: 148529
Ion Ratio Lower Upper
107 100
108 109.3 91.0 136.6
77 43.6 35.1 52.7
79 41.1 33.9 50.9

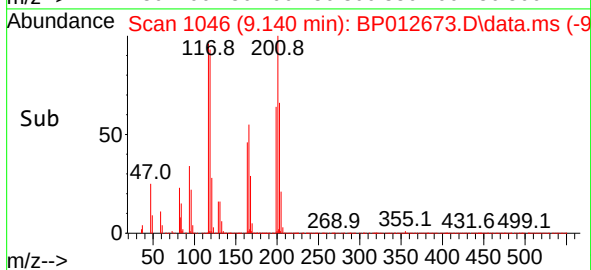
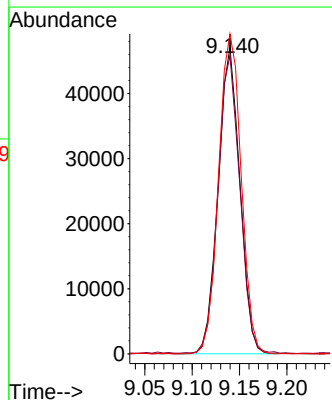
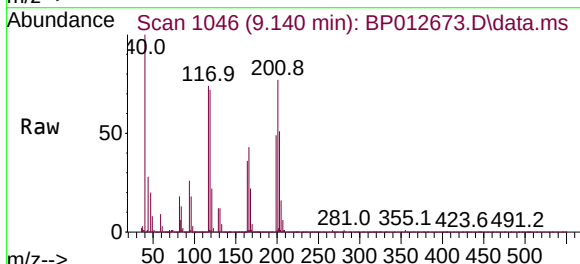
Manual Integrations
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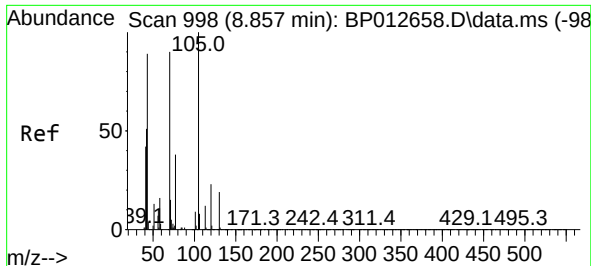
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 13.260 ng
RT: 9.140 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

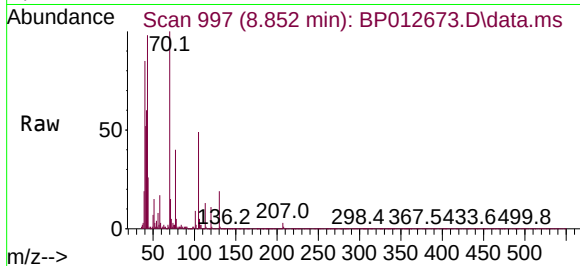
Tgt Ion:117 Resp: 74972
Ion Ratio Lower Upper
117 100
119 97.3 76.1 114.1
201 104.4 81.8 122.8





#19
n-Nitroso-di-n-propylamine
Concen: 11.185 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

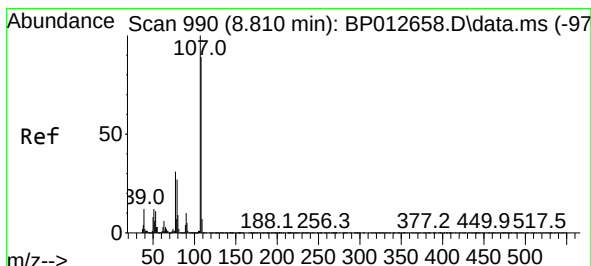
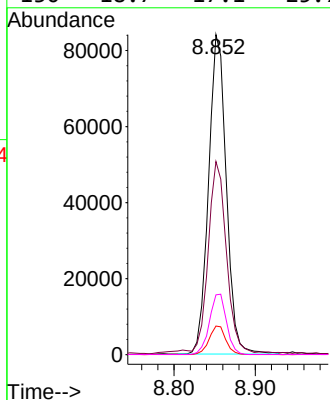
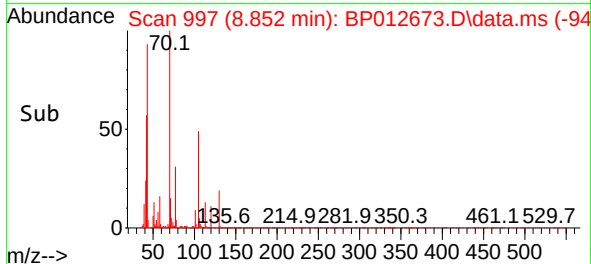
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



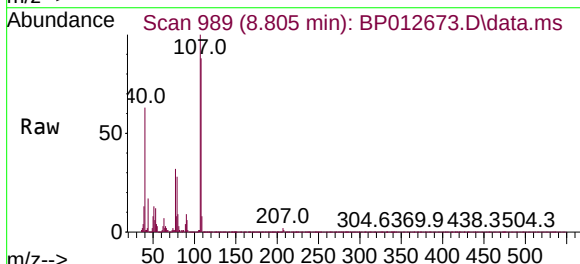
Tgt Ion: 70 Resp: 128201
Ion Ratio Lower Upper
70 100
42 60.3 46.4 69.6
101 8.9 7.6 11.4
130 18.7 17.1 25.7

Manual Integrations
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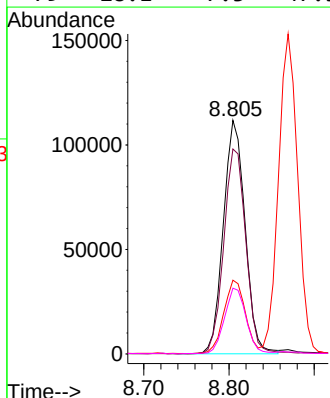
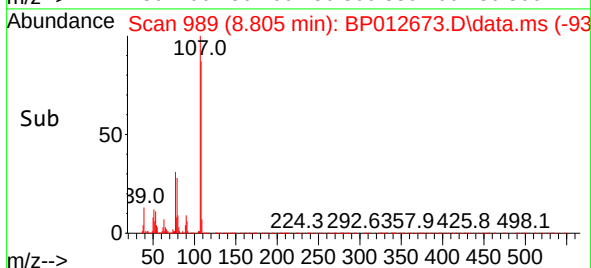
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

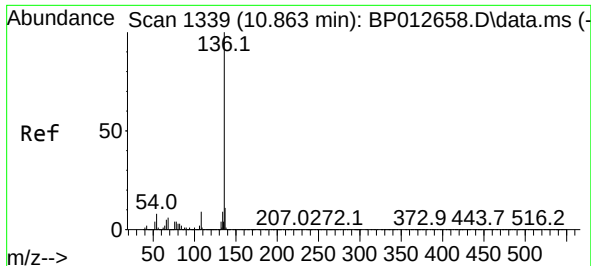


#20
3+4-Methylphenols
Concen: 10.712 ng
RT: 8.805 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



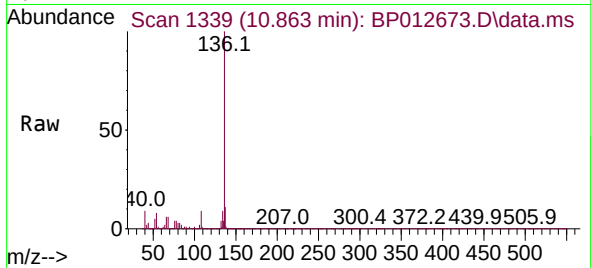
Tgt Ion: 107 Resp: 197690
Ion Ratio Lower Upper
107 100
108 87.7 69.1 109.1
77 31.6 10.8 50.8
79 28.1 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.863 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

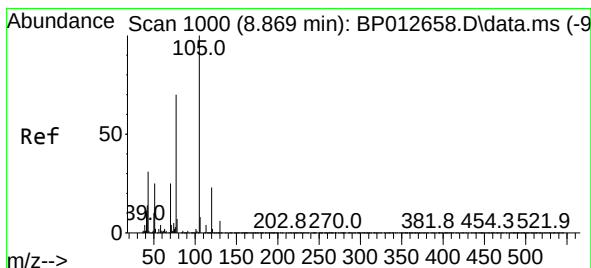
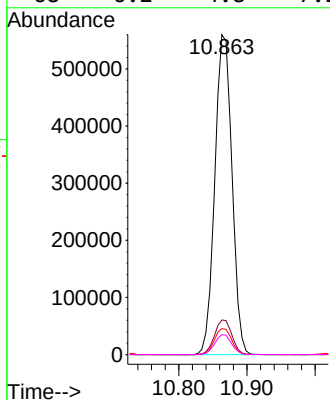
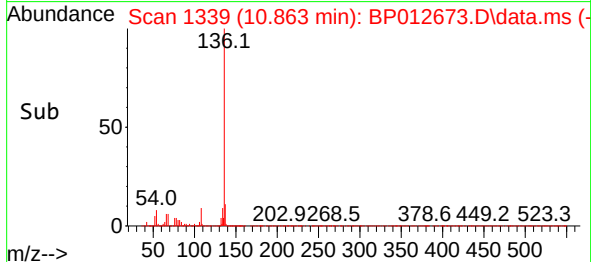
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



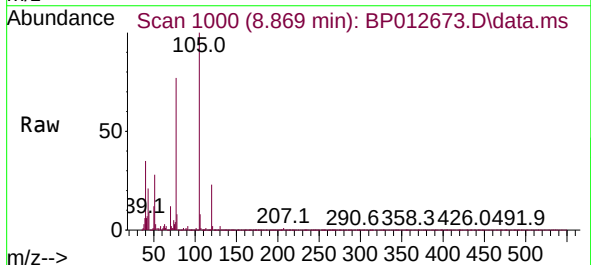
Tgt Ion:136 Resp: 973375
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.1 6.3 9.5
68 6.2 4.8 7.2

Manual Integrations
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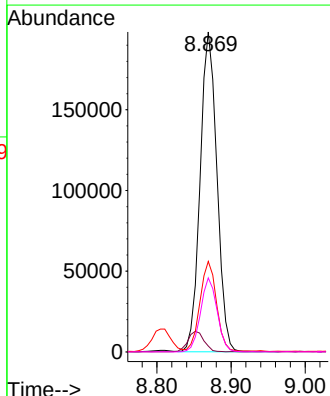
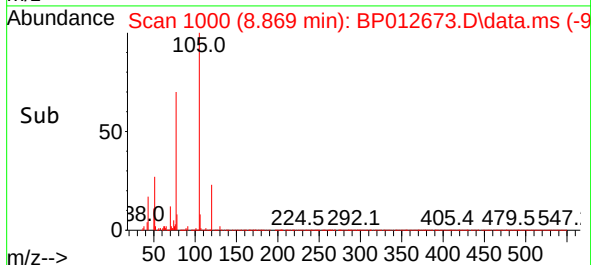
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

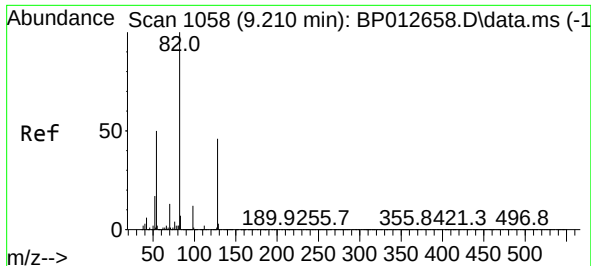


#22
Acetophenone
Concen: 12.837 ng
RT: 8.869 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion:105 Resp: 311899
Ion Ratio Lower Upper
105 100
71 1.8 3.1 4.7#
51 28.3 21.4 32.2
120 23.1 18.6 28.0





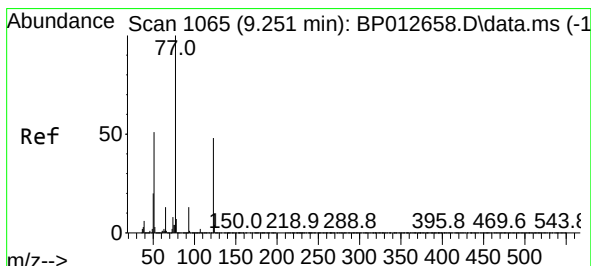
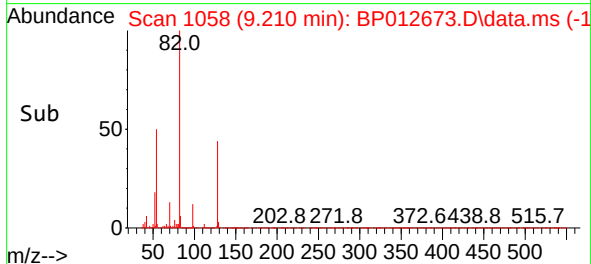
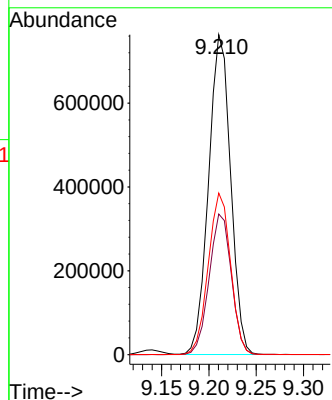
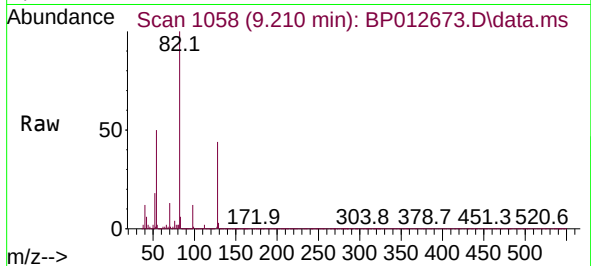
#23
Nitrobenzene-d5
Concen: 79.895 ng
RT: 9.210 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion: 82 Resp: 1236869
Ion Ratio Lower Upper
82 100
128 43.9 36.5 54.7
54 50.5 39.9 59.9

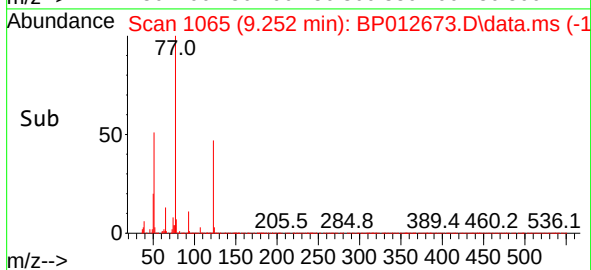
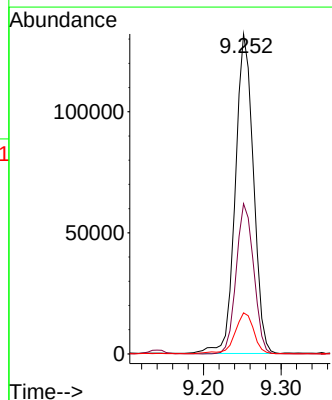
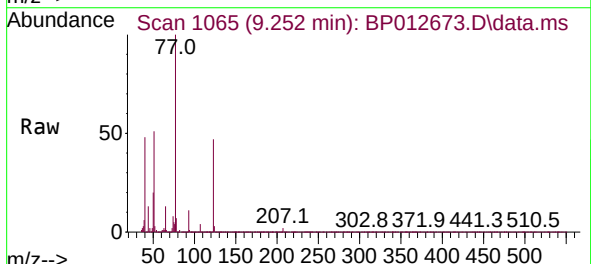
Manual Integrations
APPROVED

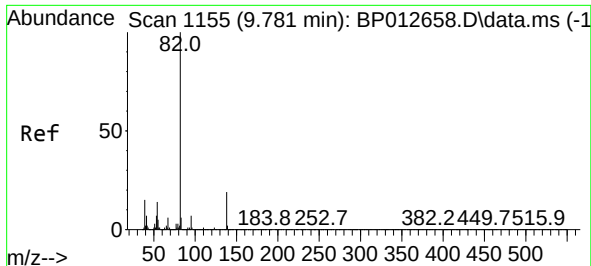
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 12.809 ng
RT: 9.252 min Scan# 1065
Delta R.T. 0.001 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

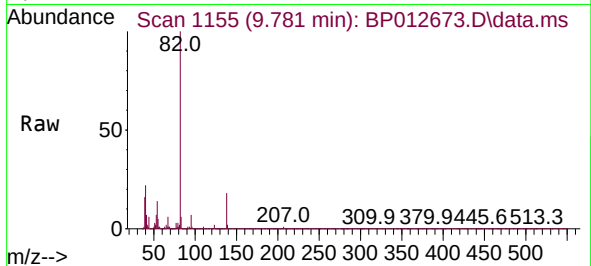
Tgt Ion: 77 Resp: 214131
Ion Ratio Lower Upper
77 100
123 46.9 38.7 58.1
65 12.8 10.6 15.8





#25
Isophorone
Concen: 12.264 ng
RT: 9.781 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

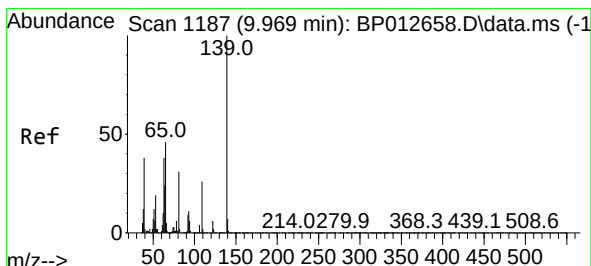
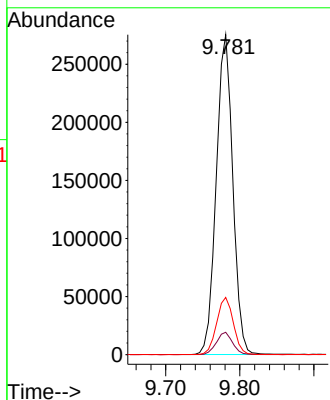
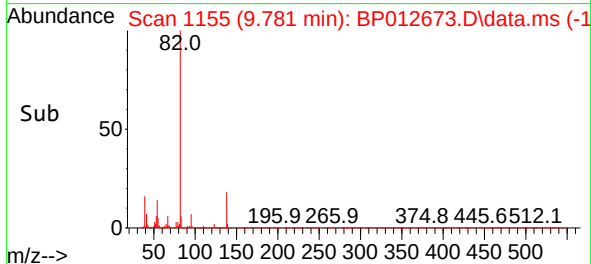
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 82 Resp: 427084
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.0
138 17.9 14.9 22.3

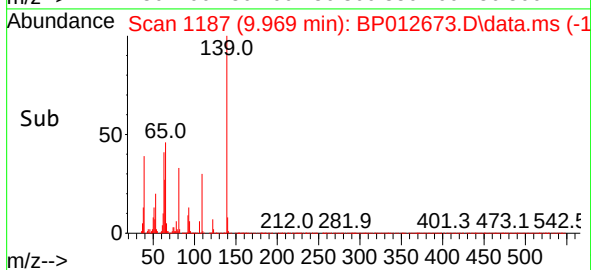
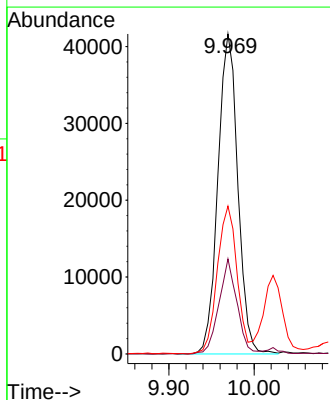
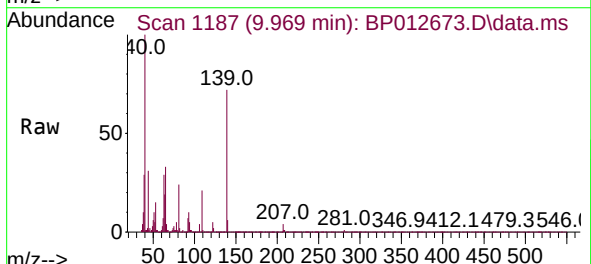
Manual Integrations
APPROVED

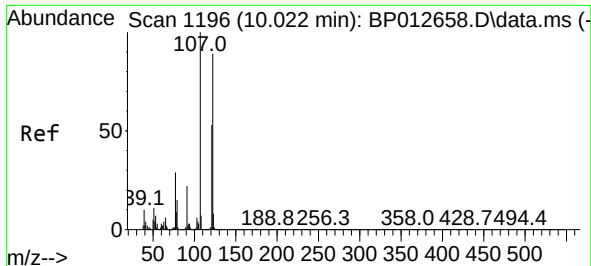
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 9.317 ng
RT: 9.969 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

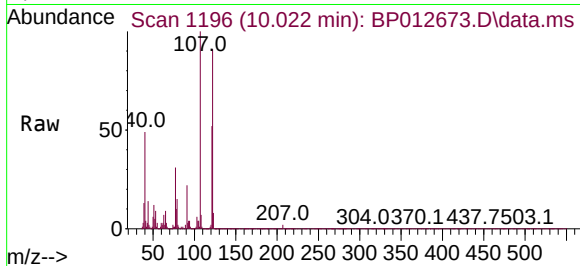
Tgt Ion:139 Resp: 67538
Ion Ratio Lower Upper
139 100
109 29.7 20.9 31.3
65 46.2 36.6 54.8





#27
2,4-Dimethylphenol
Concen: 11.685 ng
RT: 10.022 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

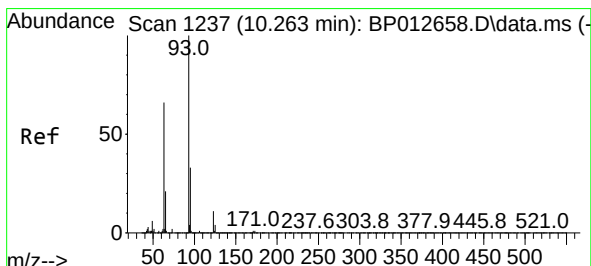
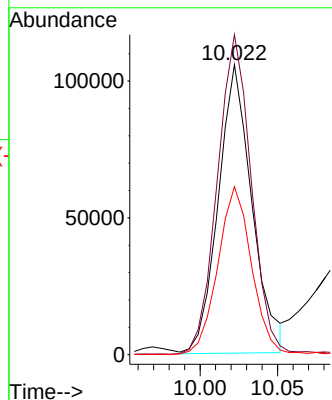
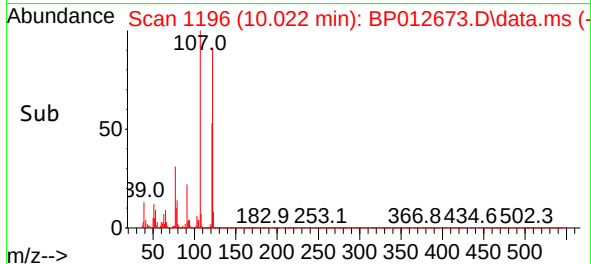
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



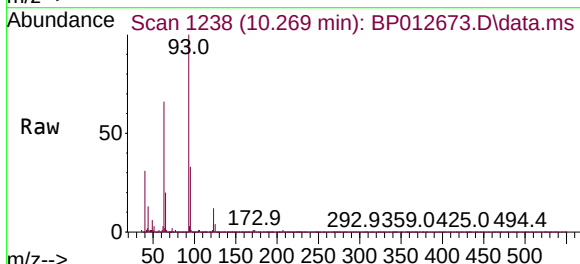
Tgt Ion:122 Resp: 15985
Ion Ratio Lower Upper
122 100
107 110.4 89.2 133.8
121 57.9 47.1 70.7

Manual Integrations
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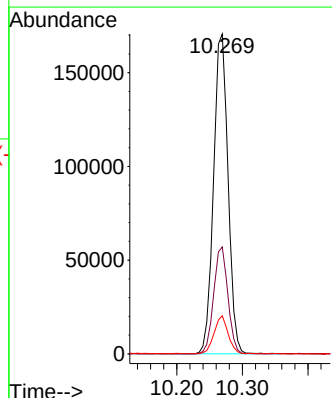
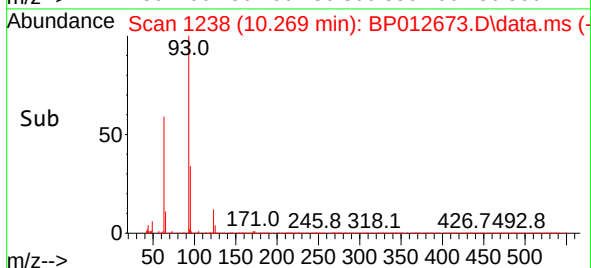
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

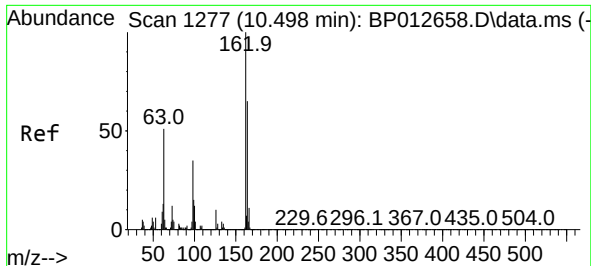


#28
bis(2-Chloroethoxy)methane
Concen: 13.239 ng
RT: 10.269 min Scan# 1238
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion: 93 Resp: 262207
Ion Ratio Lower Upper
93 100
95 33.4 26.2 39.4
123 11.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 11.081 ng

RT: 10.499 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

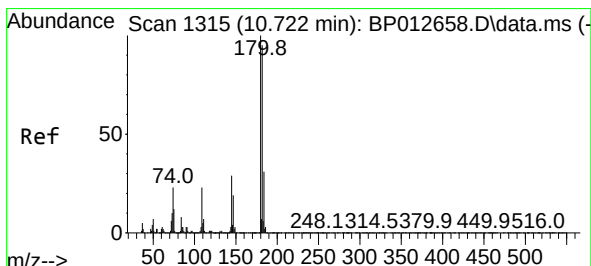
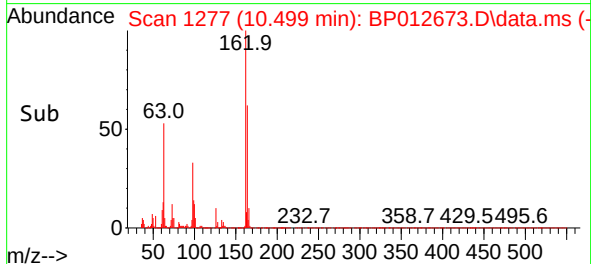
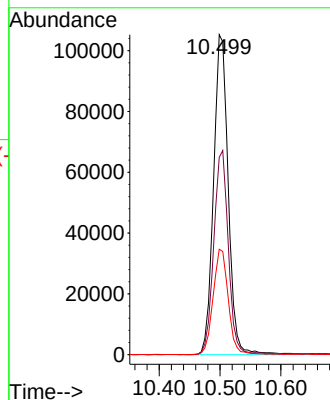
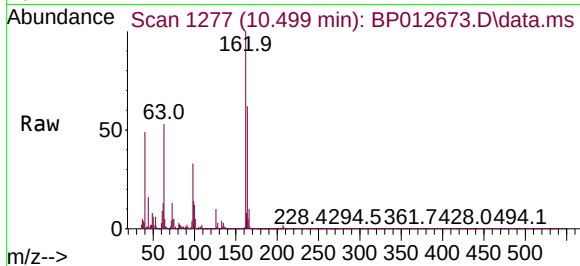
Tgt Ion:	162	Resp:	176198
Ion Ratio	Lower	Upper	
162	100		
164	61.7	44.7	84.7
98	32.9	14.9	54.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 12.191 ng

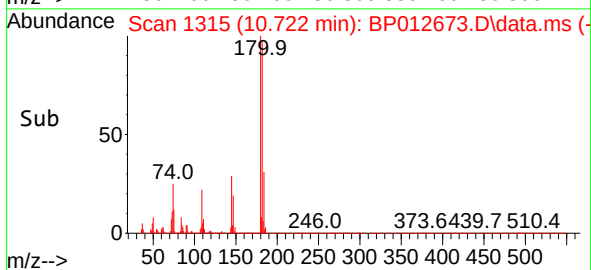
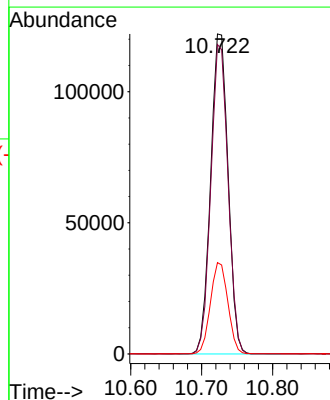
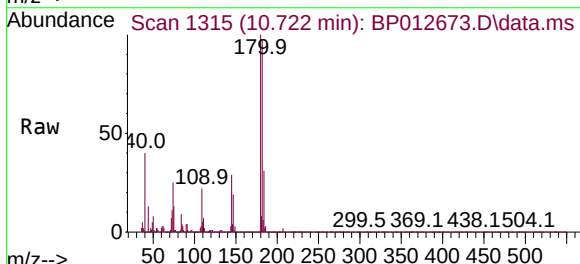
RT: 10.722 min Scan# 1315

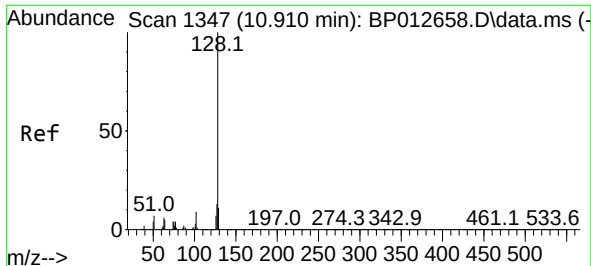
Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

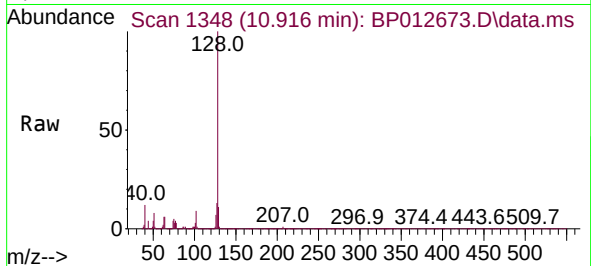
Tgt Ion:	180	Resp:	208072
Ion Ratio	Lower	Upper	
180	100		
182	96.7	76.1	114.1
145	28.5	23.0	34.4





#31
Naphthalene
Concen: 12.155 ng
RT: 10.916 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

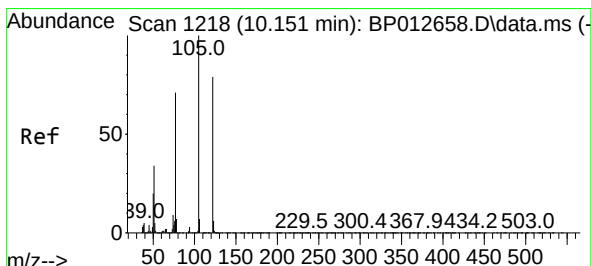
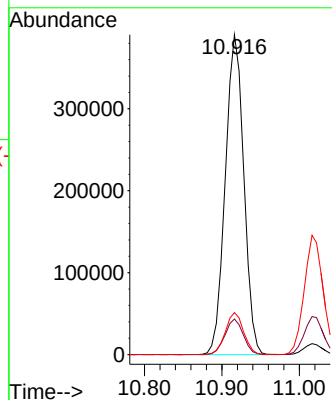
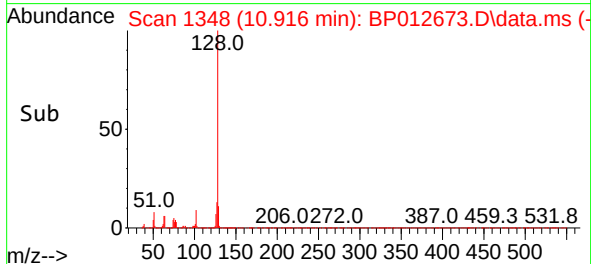
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 650432
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.5 15.7

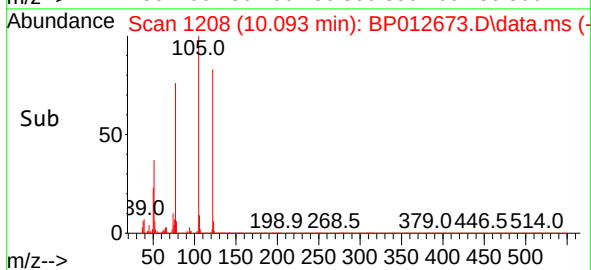
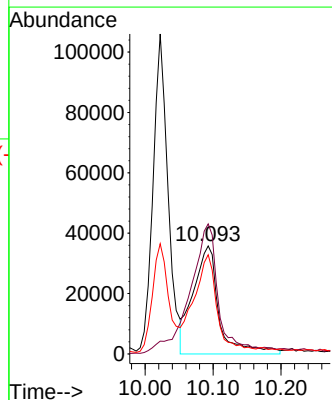
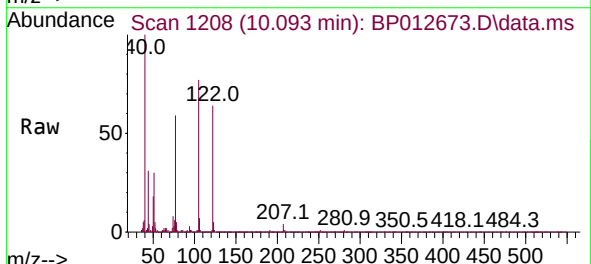
Manual Integrations
APPROVED

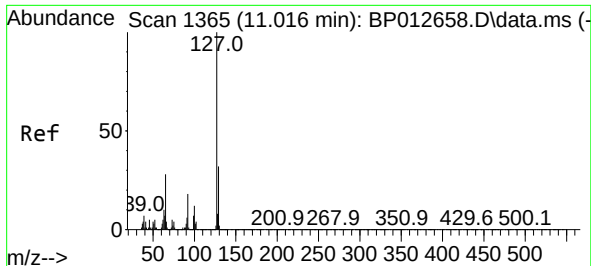
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 8.862 ng m
RT: 10.093 min Scan# 1208
Delta R.T. -0.058 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

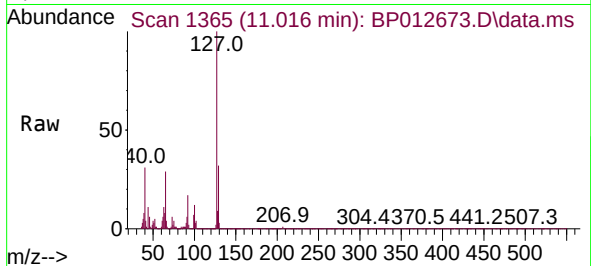
Tgt Ion:122 Resp: 94920
Ion Ratio Lower Upper
122 100
105 120.5 101.1 141.1
77 91.8 67.6 107.6





#33
4-Chloroaniline
Concen: 11.051 ng
RT: 11.016 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

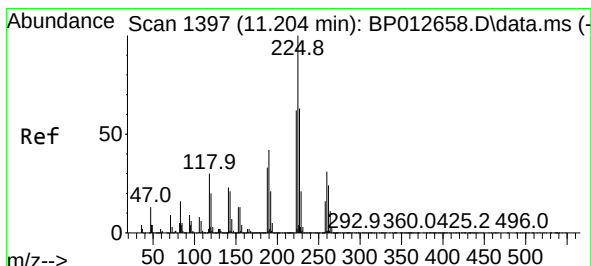
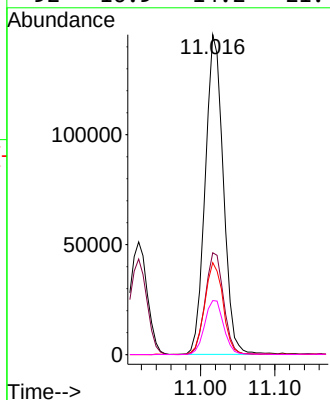
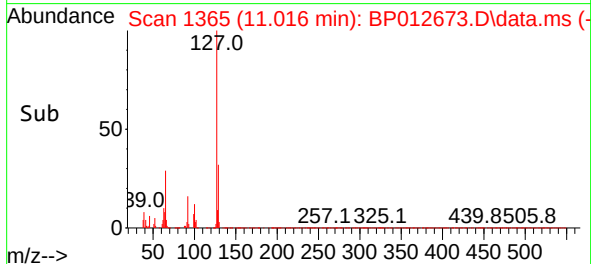
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.4	38.0
65	28.7	22.6	33.8
92	16.9	14.2	21.4

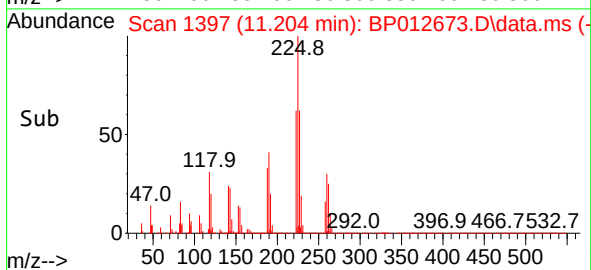
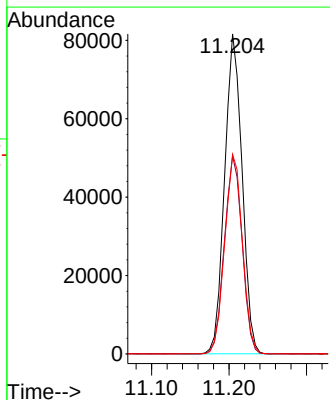
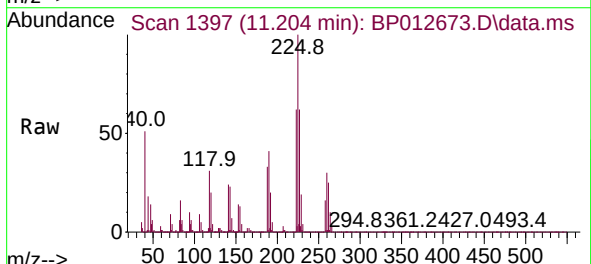
Manual Integrations
APPROVED

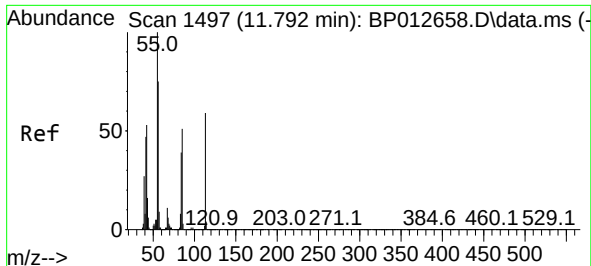
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 12.696 ng
RT: 11.204 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

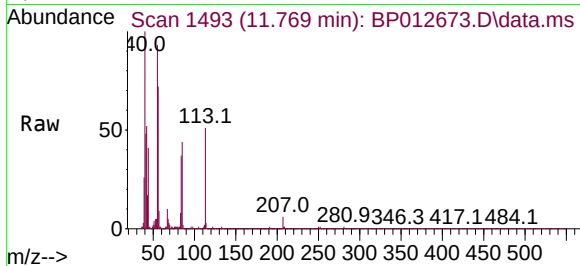
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.6	74.4
227	62.3	50.0	75.0





#35
Caprolactam
Concen: 9.676 ng
RT: 11.769 min Scan# 1493
Delta R.T. -0.023 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

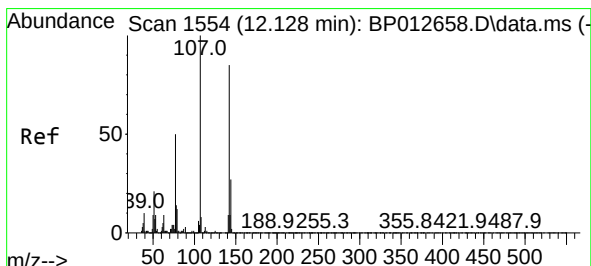
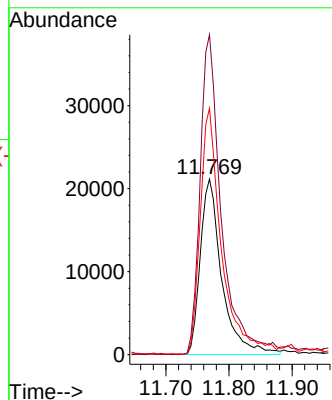
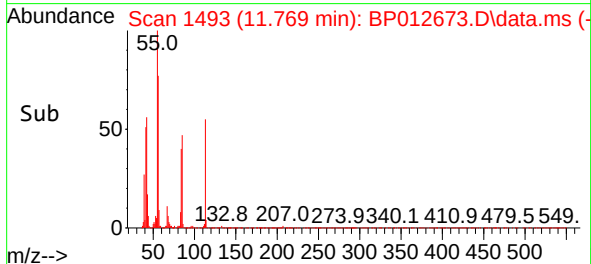
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



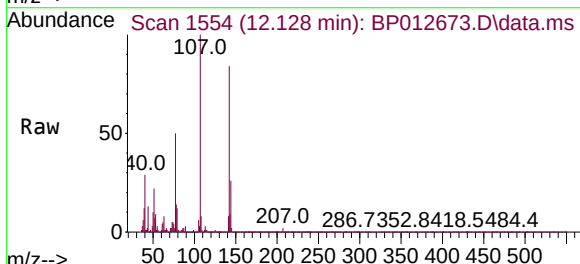
Tgt Ion:113 Resp: 50095
Ion Ratio Lower Upper
113 100
55 182.3 149.2 189.2
56 140.4 106.9 146.9

Manual Integrations
APPROVED

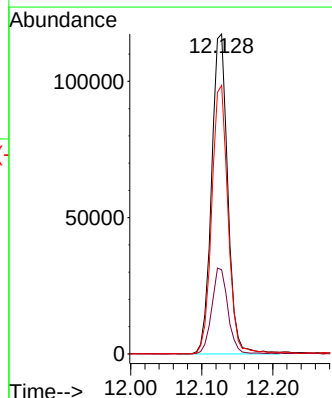
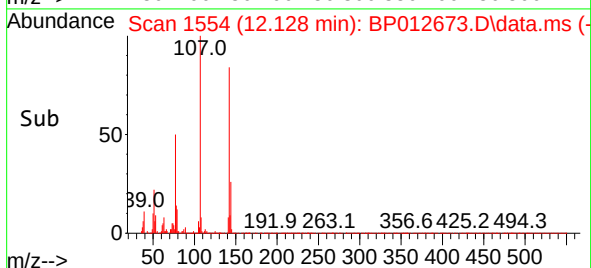
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

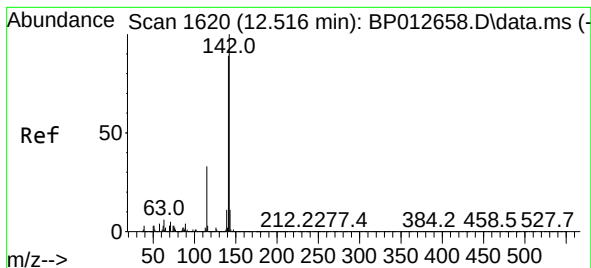


#36
4-Chloro-3-methylphenol
Concen: 10.922 ng
RT: 12.128 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



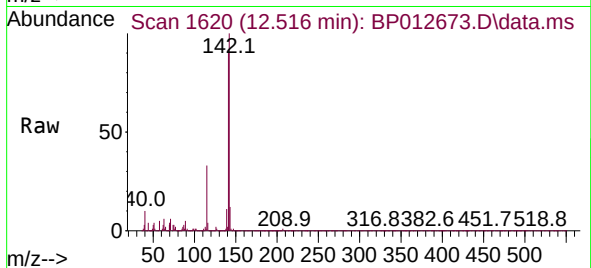
Tgt Ion:107 Resp: 186420
Ion Ratio Lower Upper
107 100
144 26.3 21.9 32.9
142 83.9 68.1 102.1





#37
2-Methylnaphthalene
Concen: 12.244 ng
RT: 12.516 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

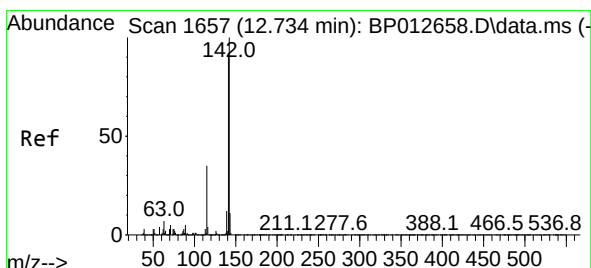
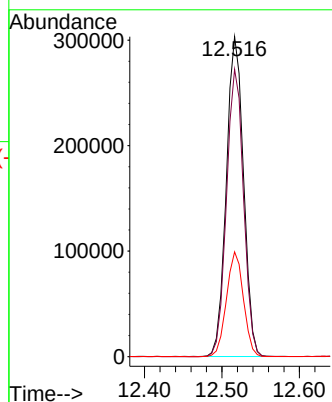
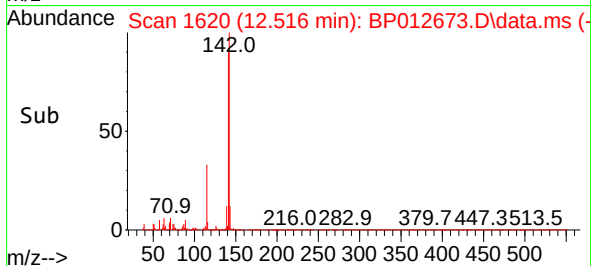
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



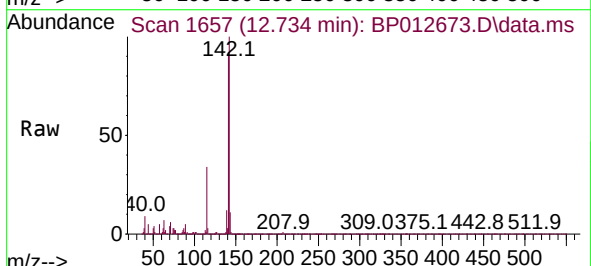
Tgt Ion:142 Resp: 468558
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.6
115 32.7 26.2 39.4

Manual Integrations
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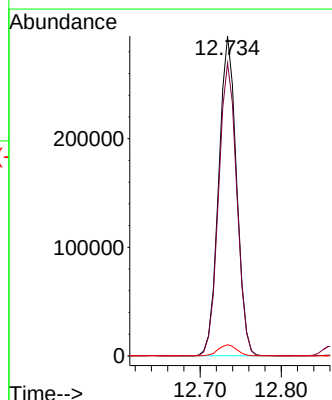
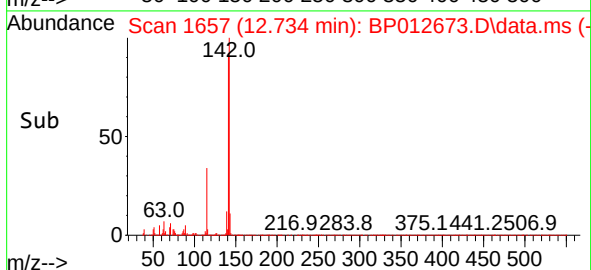
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

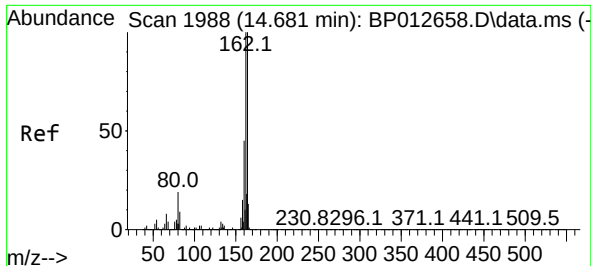


#38
1-Methylnaphthalene
Concen: 11.905 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



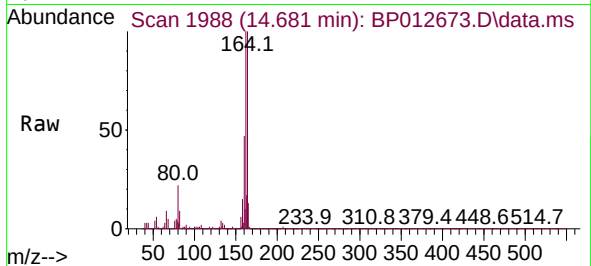
Tgt Ion:142 Resp: 447688
Ion Ratio Lower Upper
142 100
141 91.5 73.9 110.9
116 3.5 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

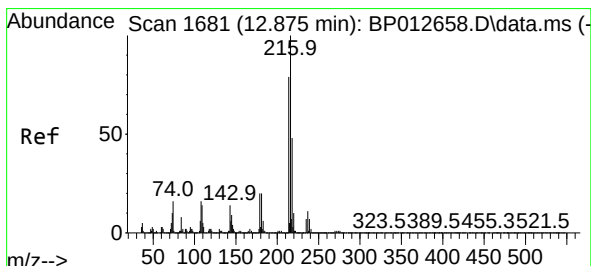
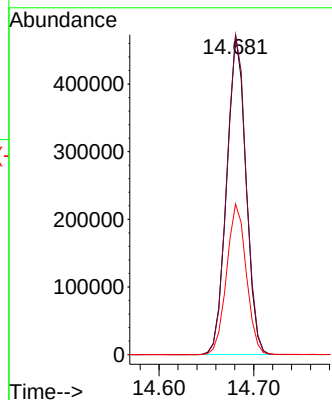
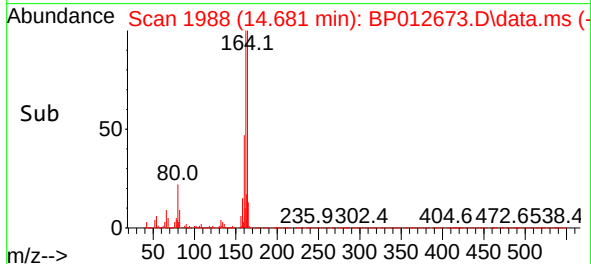
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:164 Resp: 664732
Ion Ratio Lower Upper
164 100
162 99.9 80.3 120.5
160 47.1 36.2 54.4

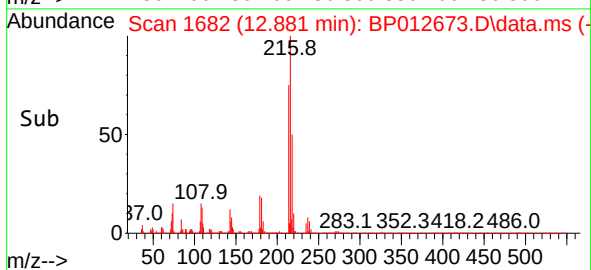
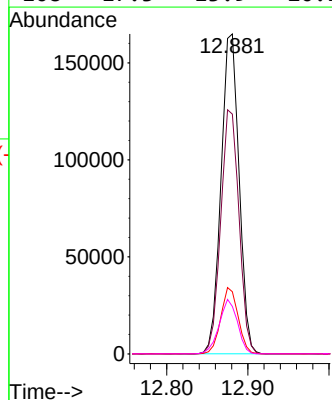
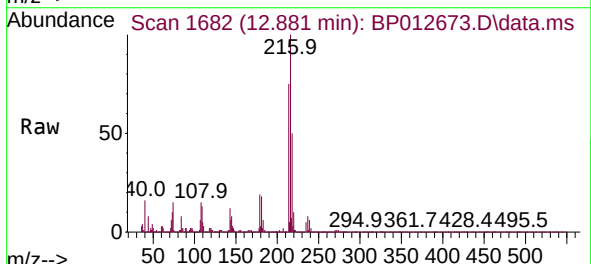
Manual Integrations
APPROVED

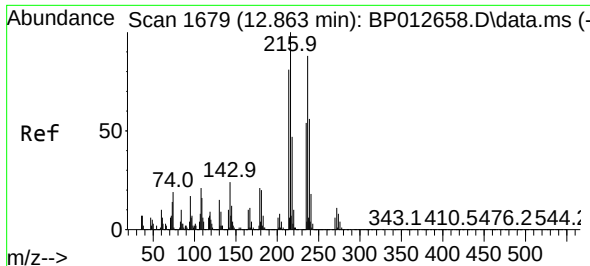
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 13.097 ng
RT: 12.881 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

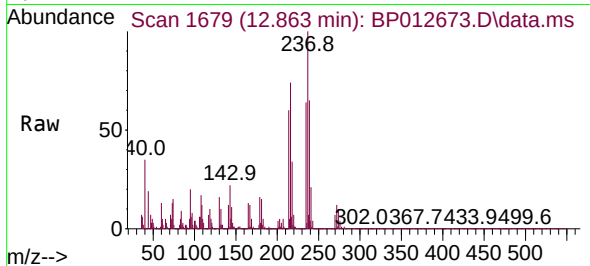
Tgt Ion:216 Resp: 253912
Ion Ratio Lower Upper
216 100
214 77.2 62.5 93.7
179 20.0 16.6 24.8
108 17.3 13.9 20.9





#41
Hexachlorocyclopentadiene
Concen: 14.337 ng
RT: 12.863 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

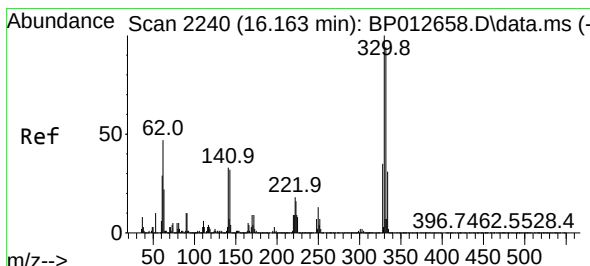
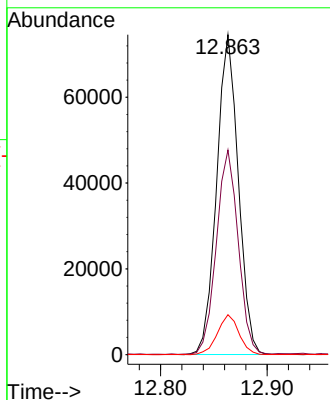
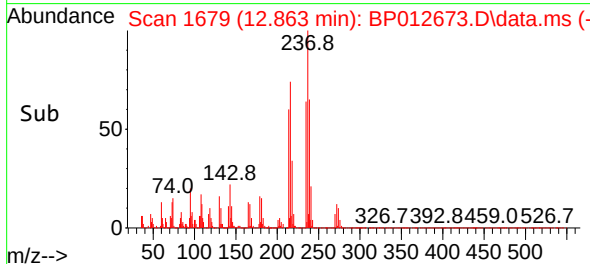
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



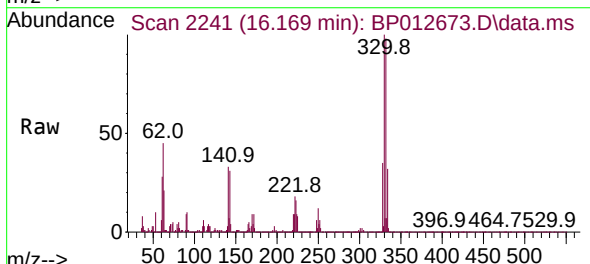
Tgt Ion: 237 Resp: 105719
Ion Ratio Lower Upper
237 100
235 63.9 41.7 81.7
272 12.5 0.0 32.7

Manual Integrations
APPROVED

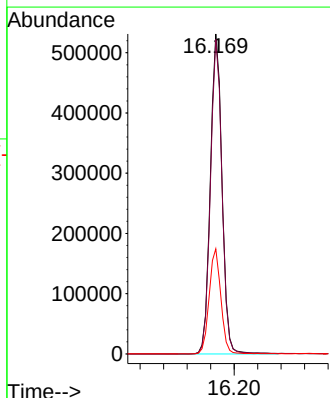
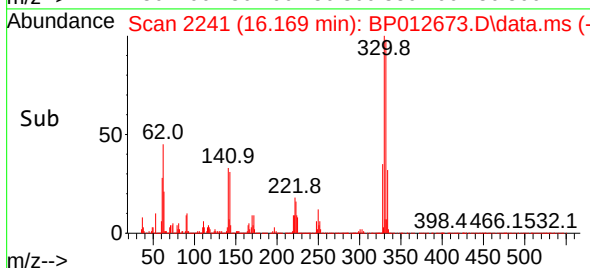
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

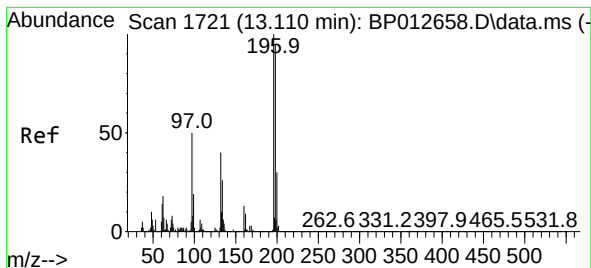


#42
2,4,6-Tribromophenol
Concen: 96.030 ng
RT: 16.169 min Scan# 2241
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion: 330 Resp: 730514
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.4
141 33.0 26.7 40.1





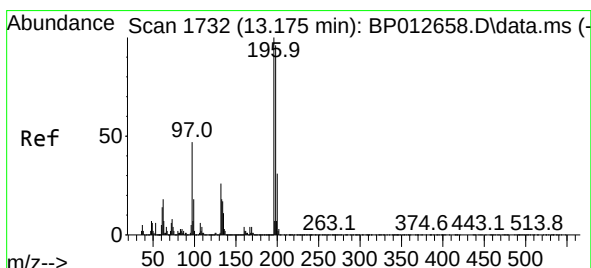
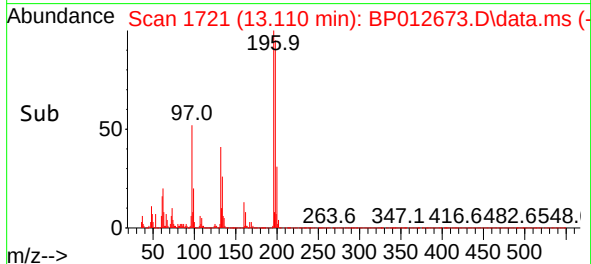
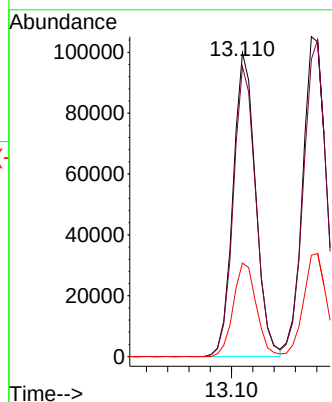
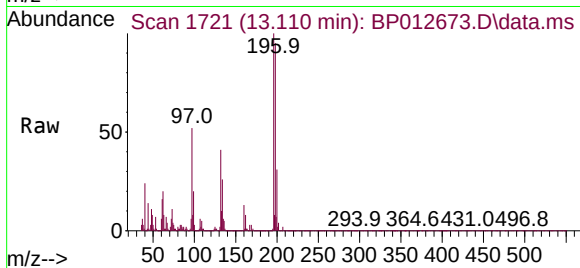
#43
2,4,6-Trichlorophenol
Concen: 10.599 ng
RT: 13.110 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:196 Resp: 146303
Ion Ratio Lower Upper
196 100
198 95.4 75.8 113.6
200 30.8 24.4 36.6

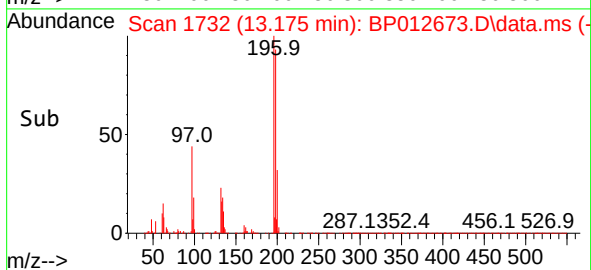
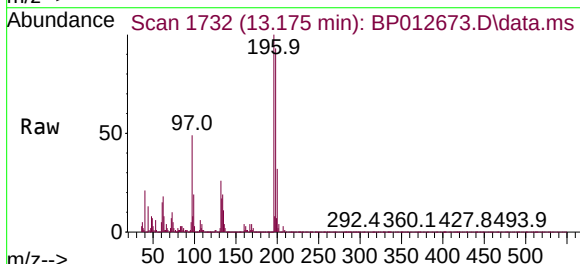
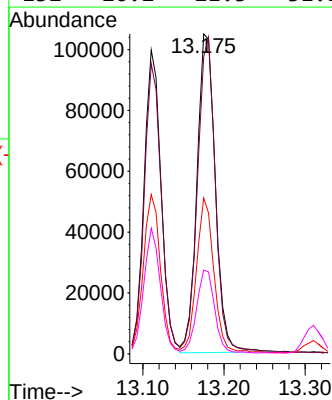
Manual Integrations
APPROVED

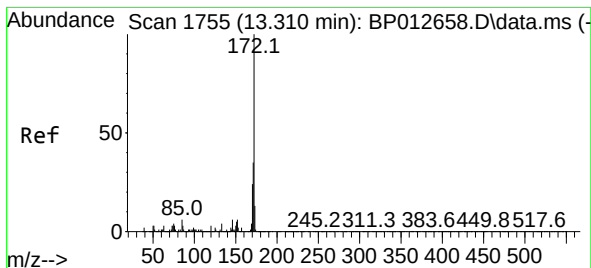
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#44
2,4,5-Trichlorophenol
Concen: 10.783 ng
RT: 13.175 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

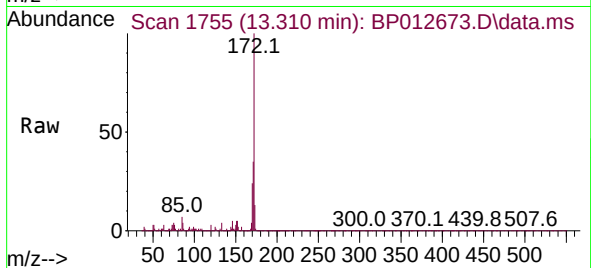
Tgt Ion:196 Resp: 164670
Ion Ratio Lower Upper
196 100
198 92.9 76.4 114.6
97 48.7 37.5 56.3
132 26.2 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 76.253 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

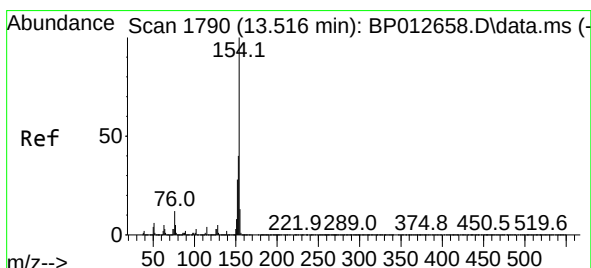
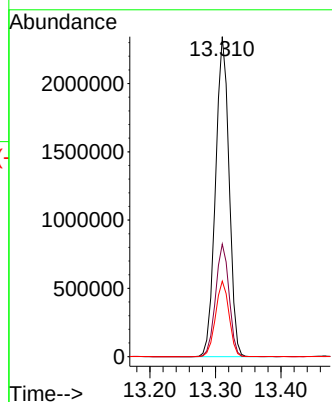
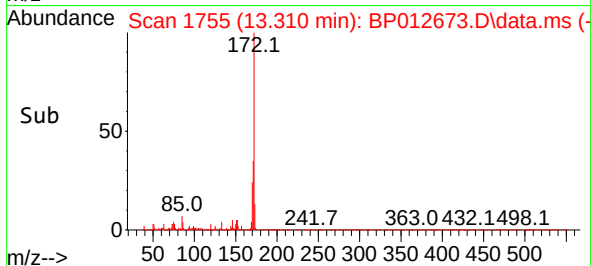
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



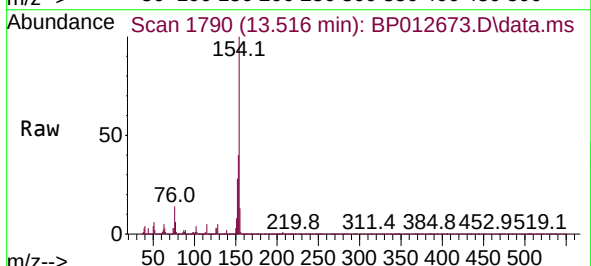
Tgt Ion:172 Resp: 336874
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.6 19.3 28.9

Manual Integrations
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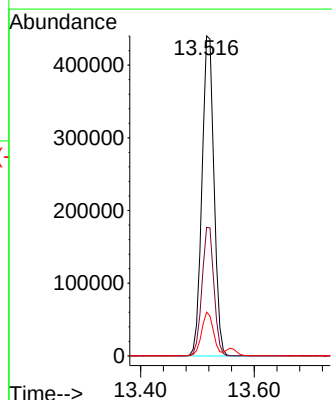
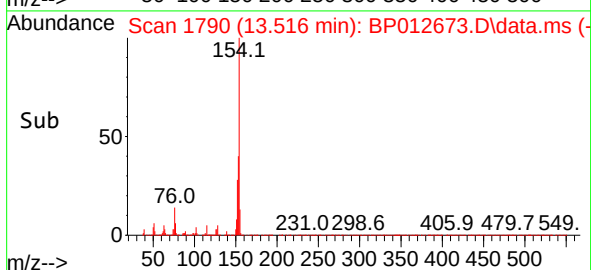
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

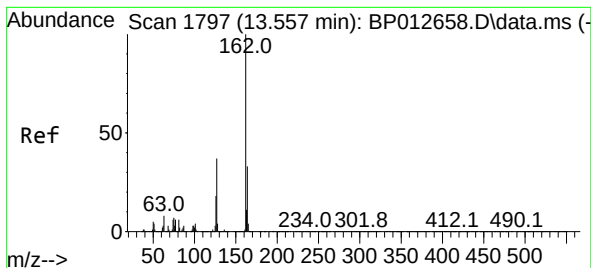


#46
1,1'-Biphenyl
Concen: 12.980 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion:154 Resp: 645199
Ion Ratio Lower Upper
154 100
153 40.2 19.6 59.6
76 13.7 0.0 32.4





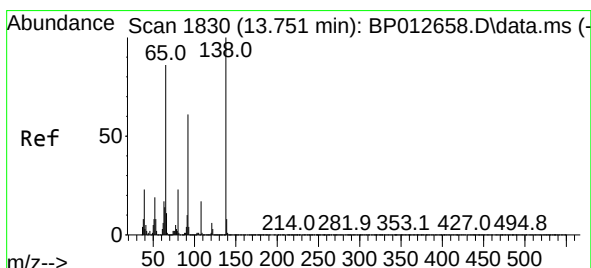
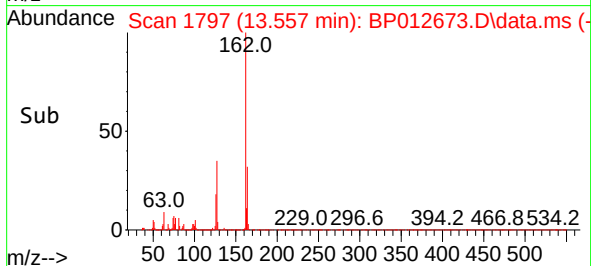
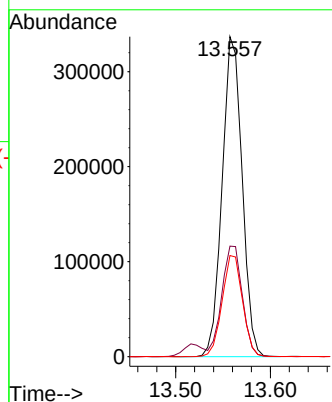
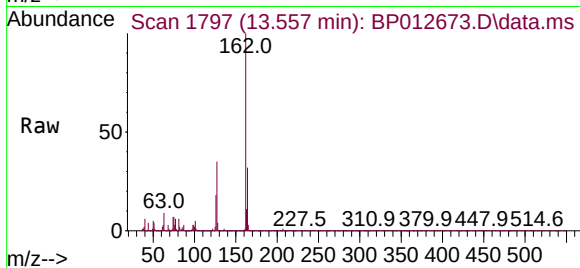
#47
2-Chloronaphthalene
Concen: 12.484 ng
RT: 13.557 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:	162	Resp:	49275
Ion Ratio	Lower	Upper	
162	100		
127	34.5	29.4	44.2
164	31.6	26.4	39.6

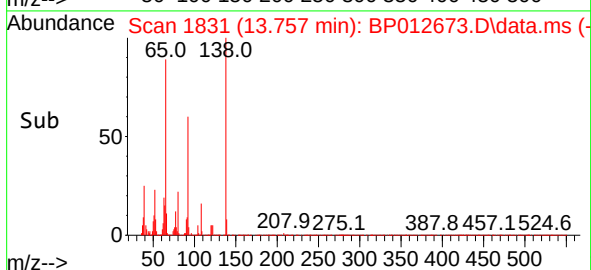
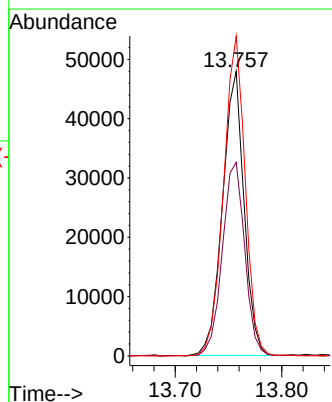
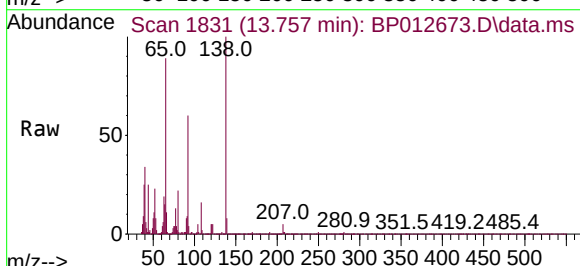
Manual Integrations
APPROVED

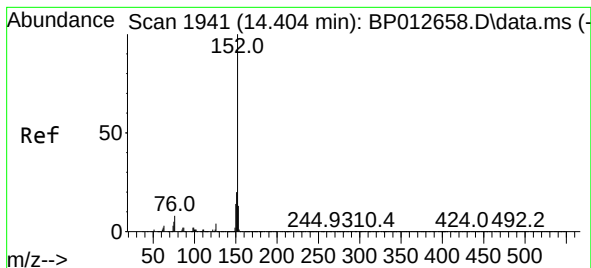
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 8.515 ng
RT: 13.757 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:	65	Resp:	67262
Ion Ratio	Lower	Upper	
65	100		
92	68.0	56.7	85.1
138	112.5	92.7	139.1





#49

Acenaphthylene

Concen: 12.105 ng

RT: 14.404 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

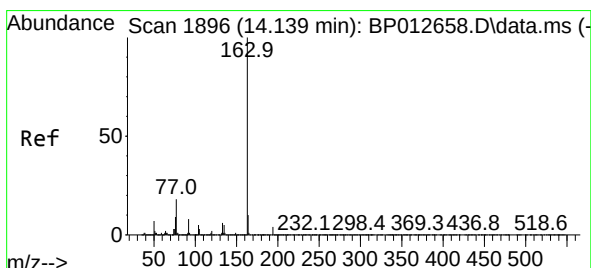
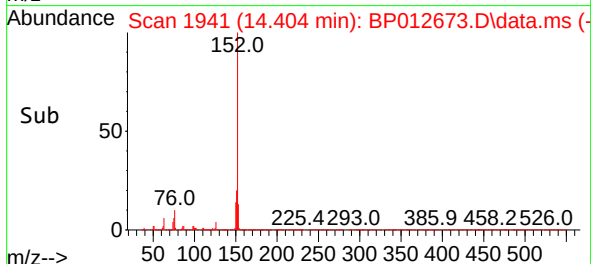
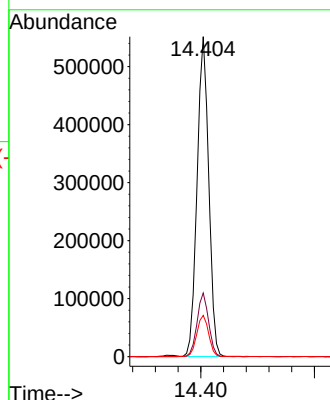
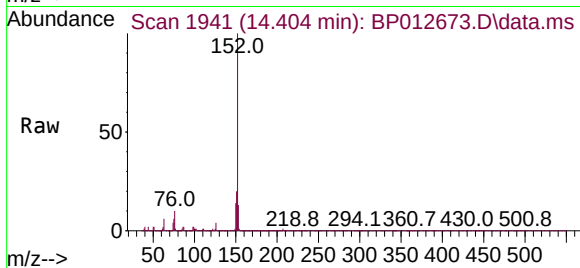
Tgt Ion:	152	Resp:	779790
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.1	24.1
153	12.9	10.6	15.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#50

Dimethylphthalate

Concen: 11.471 ng

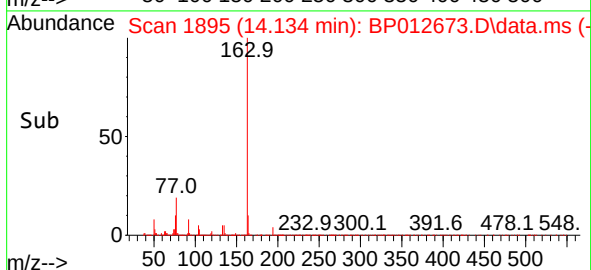
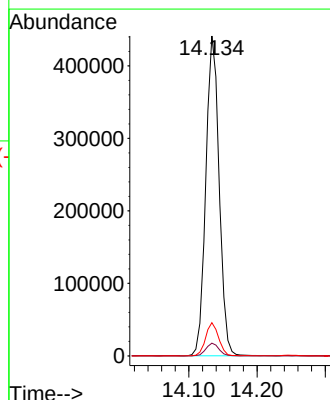
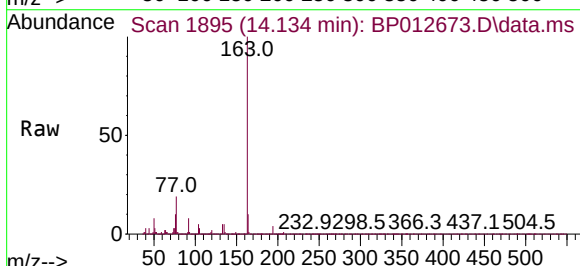
RT: 14.134 min Scan# 1895

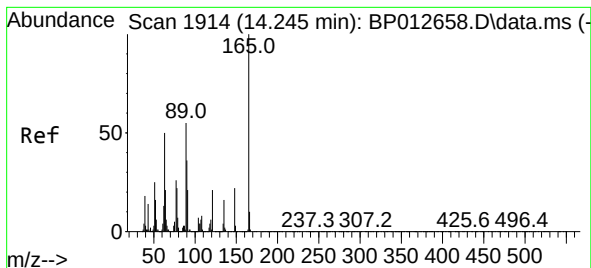
Delta R.T. -0.005 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Tgt Ion:	163	Resp:	600594
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.4	8.2	12.4





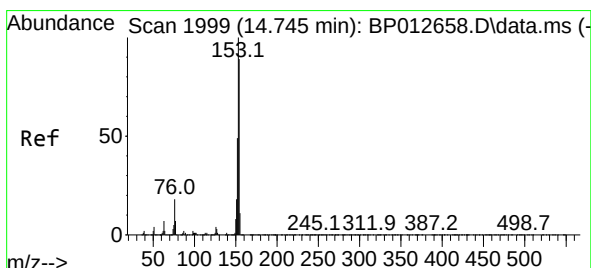
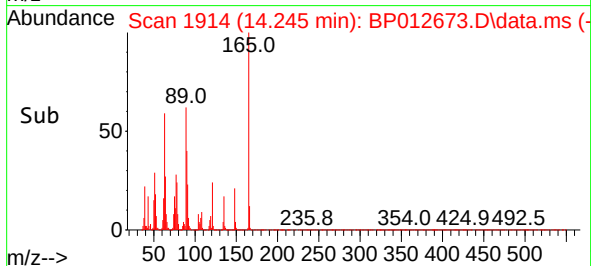
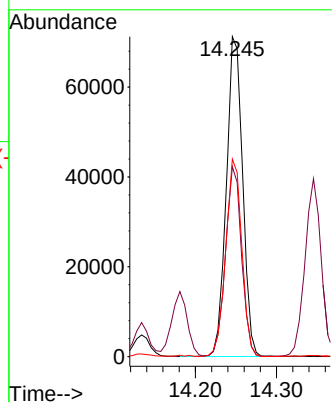
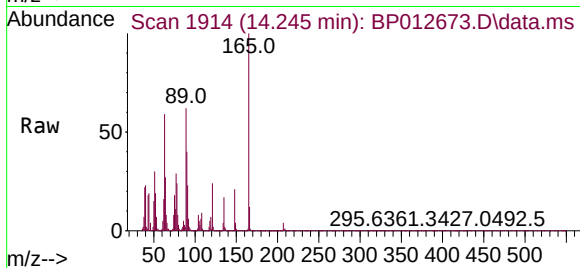
#51
2,6-Dinitrotoluene
Concen: 10.797 ng
RT: 14.245 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:165 Resp: 99133
Ion Ratio Lower Upper
165 100
63 59.3 42.6 63.8
89 61.7 44.0 66.0

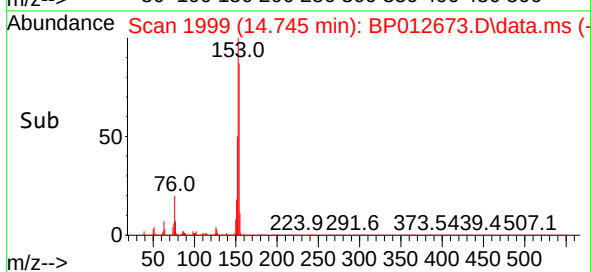
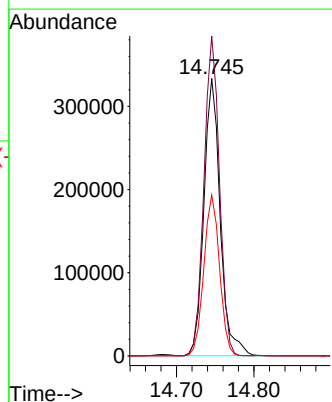
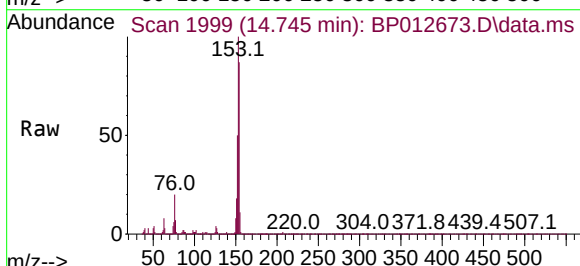
Manual Integrations
APPROVED

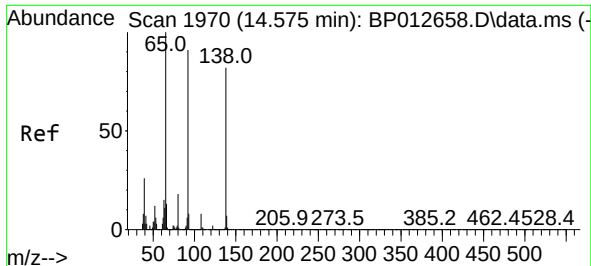
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#52
Acenaphthene
Concen: 11.877 ng
RT: 14.745 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:154 Resp: 488273
Ion Ratio Lower Upper
154 100
153 115.4 90.2 135.2
152 58.0 43.9 65.9





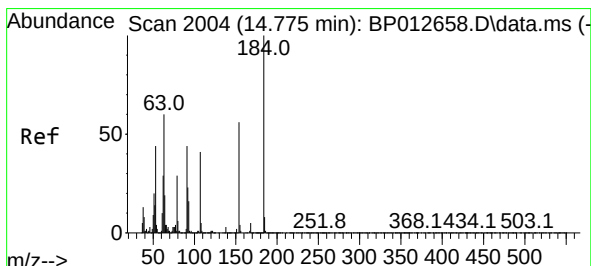
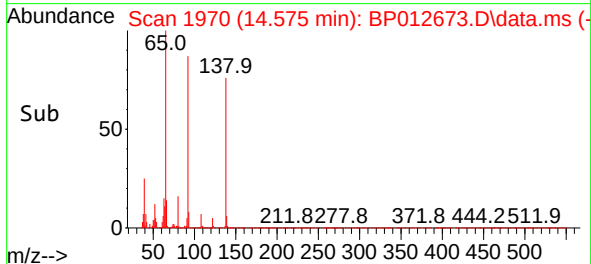
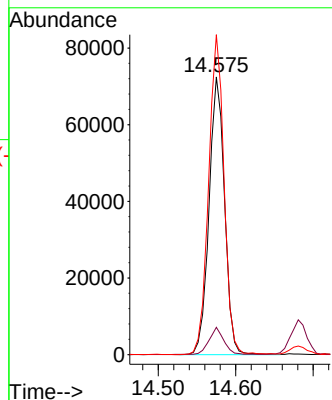
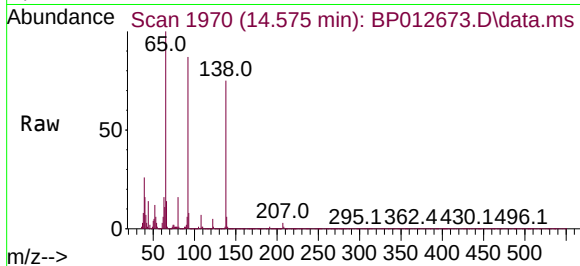
#53
3-Nitroaniline
Concen: 9.586 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:138 Resp: 100789
Ion Ratio Lower Upper
138 100
108 9.8 8.2 12.2
92 115.2 89.1 133.7

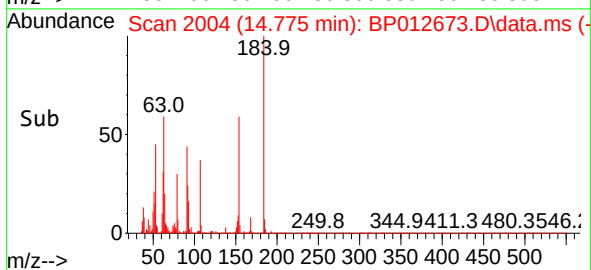
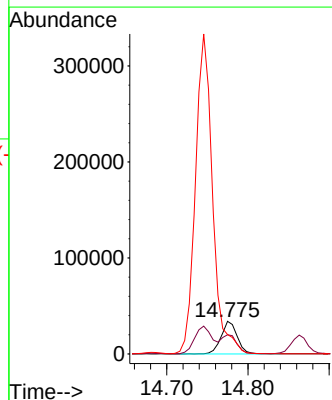
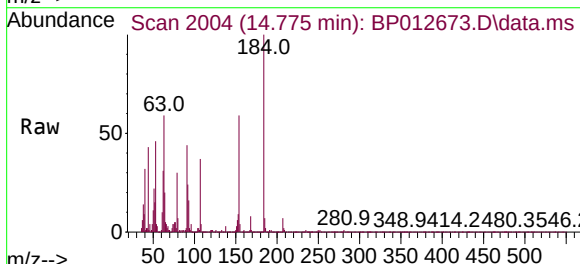
Manual Integrations
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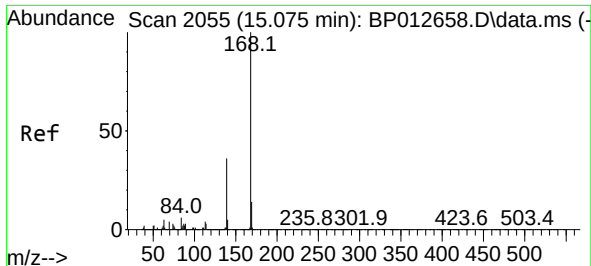
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 9.137 ng
RT: 14.775 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

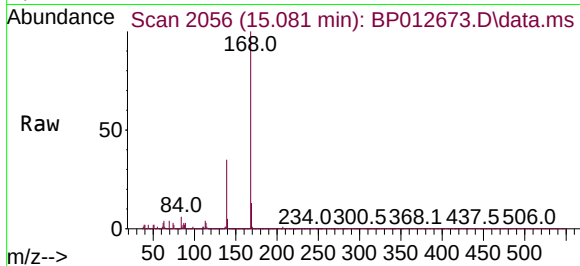
Tgt Ion:184 Resp: 46585
Ion Ratio Lower Upper
184 100
63 58.5 48.0 72.0
154 59.2 47.1 70.7





#55
Dibenzofuran
Concen: 12.571 ng
RT: 15.081 min Scan# 2055
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

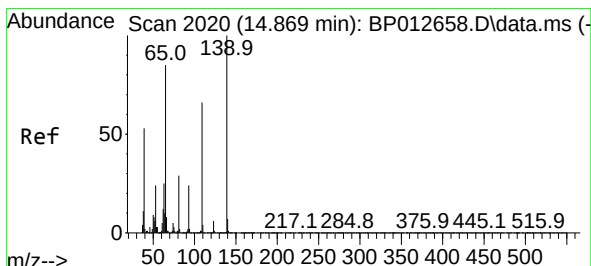
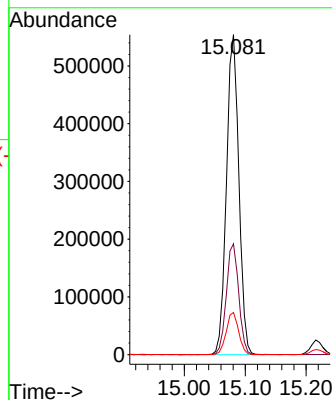
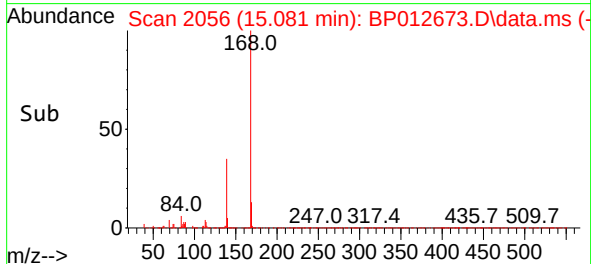
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



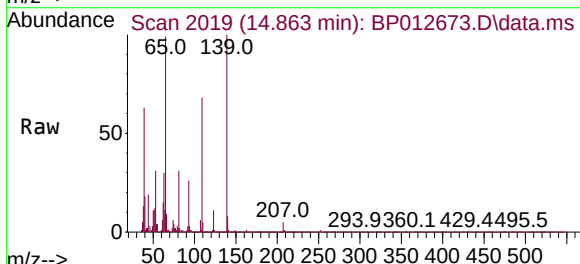
Tgt Ion:168 Resp: 78017
Ion Ratio Lower Upper
168 100
139 34.6 29.0 43.6
169 13.2 11.0 16.4

Manual Integrations
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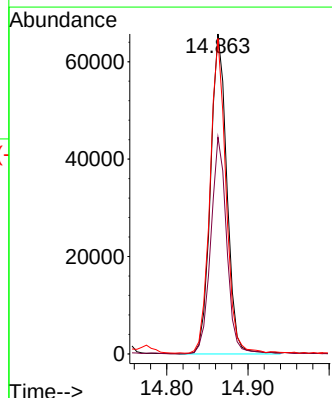
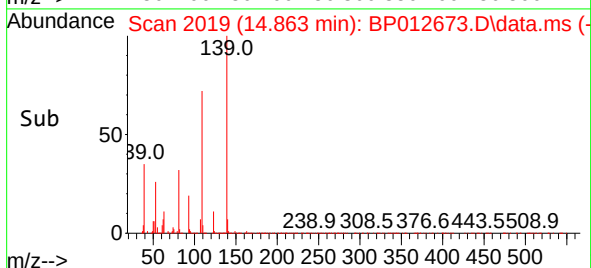
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

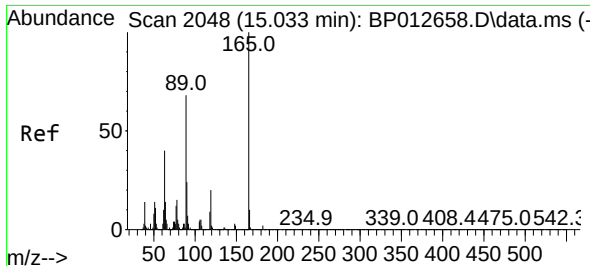


#56
4-Nitrophenol
Concen: 9.338 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion:139 Resp: 91905
Ion Ratio Lower Upper
139 100
109 67.7 45.7 85.7
65 98.6 65.4 105.4





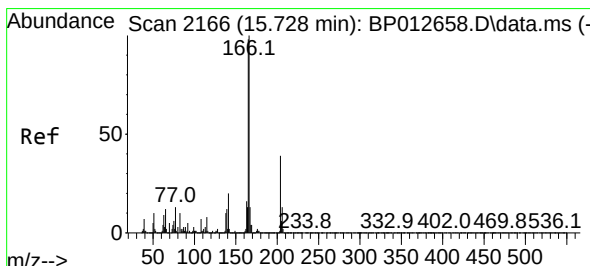
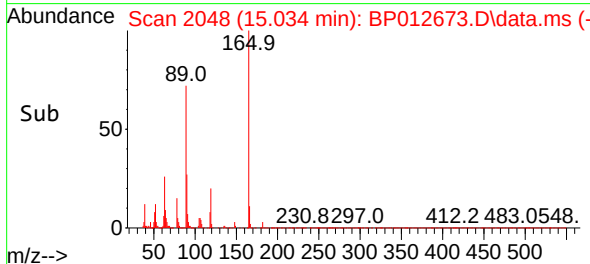
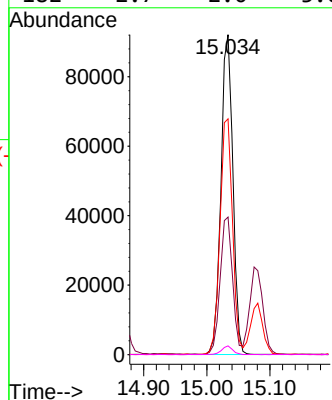
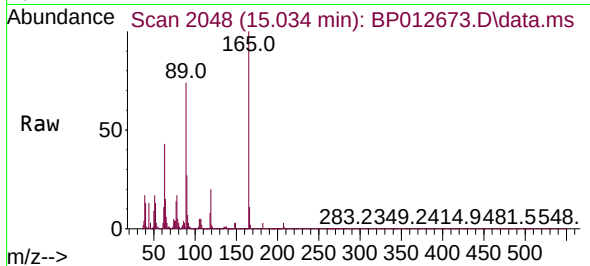
#57
2,4-Dinitrotoluene
Concen: 9.892 ng
RT: 15.034 min Scan# 2048
Delta R.T. 0.001 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:165 Resp: 120810
Ion Ratio Lower Upper
165 100
63 43.0 32.0 48.0
89 73.7 54.1 81.1
182 2.7 2.0 3.0

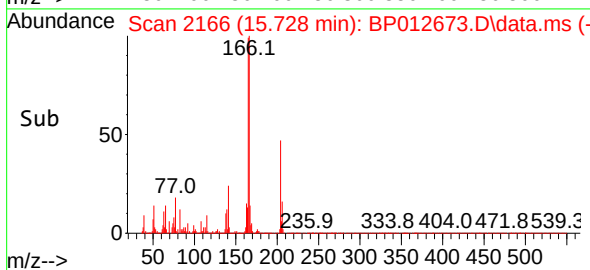
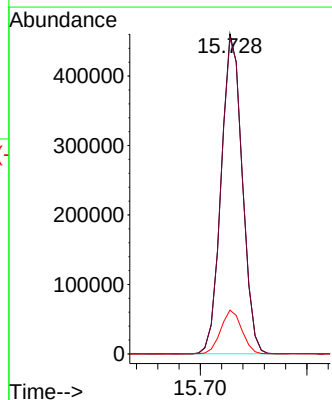
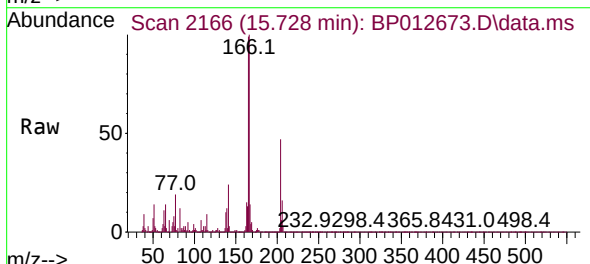
Manual Integrations
APPROVED

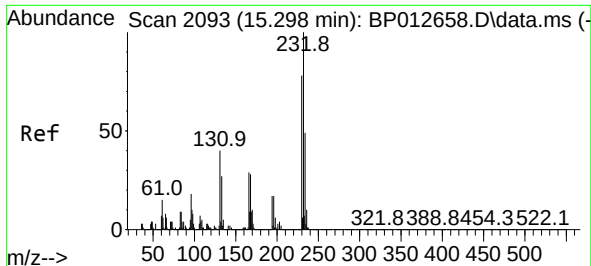
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 12.947 ng
RT: 15.728 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

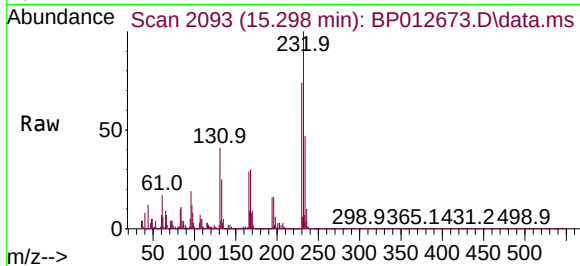
Tgt Ion:166 Resp: 632433
Ion Ratio Lower Upper
166 100
165 98.7 78.8 118.2
167 13.7 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 10.930 ng
RT: 15.298 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

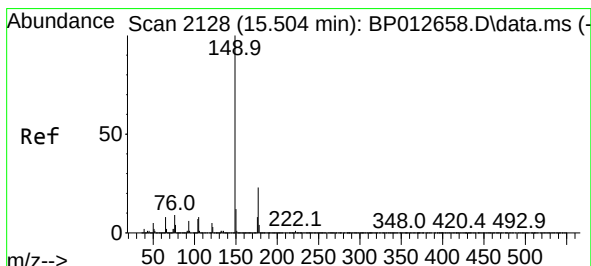
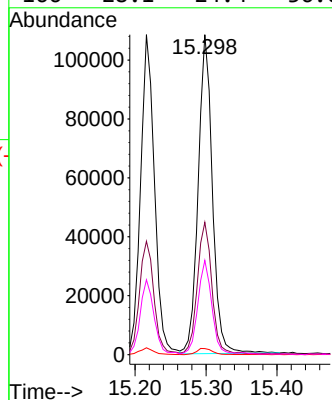
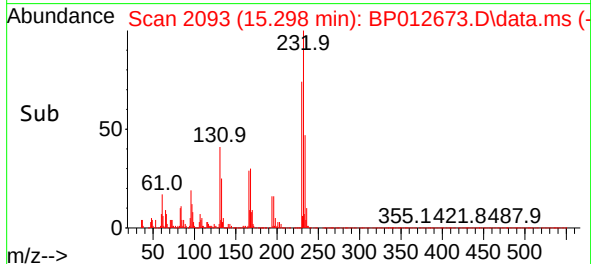
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



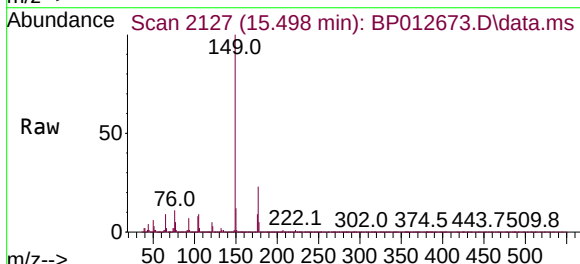
Tgt Ion:232 Resp: 150273
Ion Ratio Lower Upper
232 100
131 42.9 34.3 51.5
130 2.1 1.8 2.6
166 28.1 24.4 36.6

Manual Integrations
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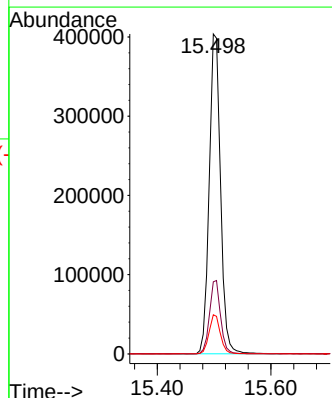
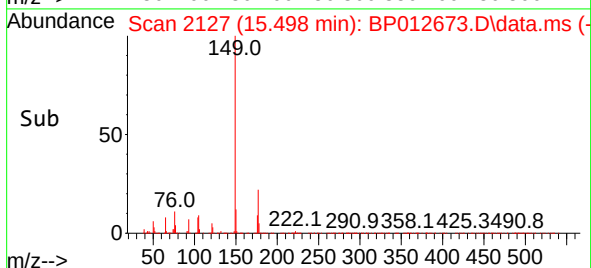
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

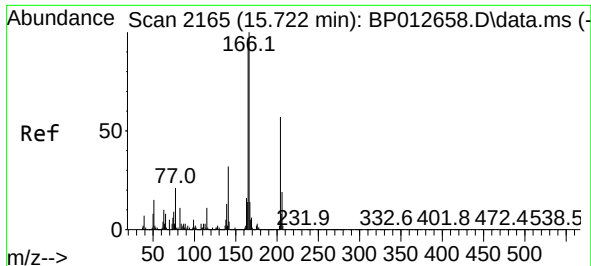


#60
Diethylphthalate
Concen: 10.909 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



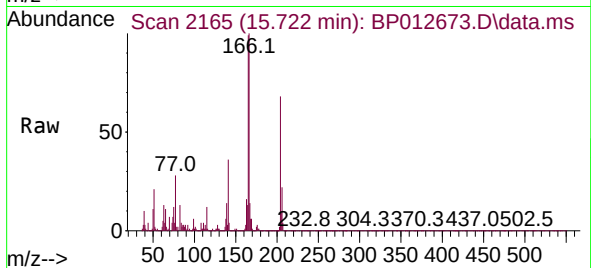
Tgt Ion:149 Resp: 561884
Ion Ratio Lower Upper
149 100
177 22.5 18.2 27.4
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 13.200 ng
RT: 15.722 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

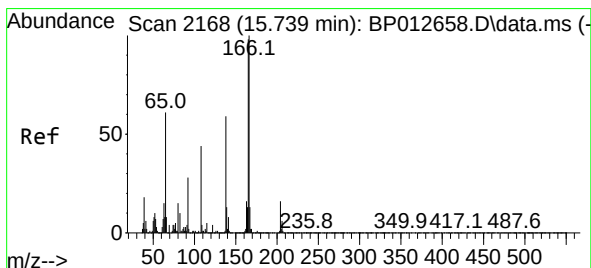
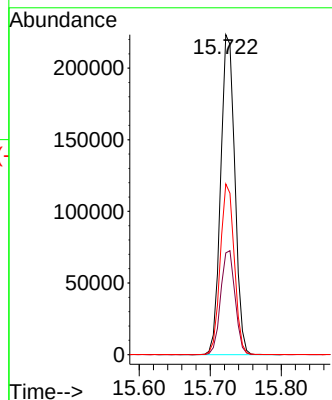
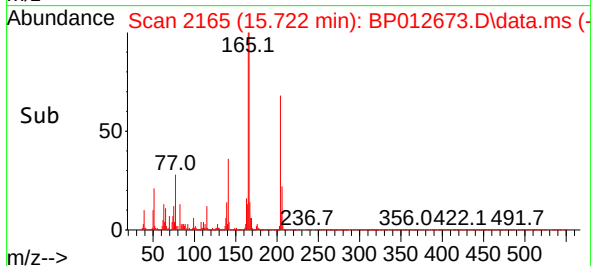
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 204 Resp: 309948
Ion Ratio Lower Upper
204 100
206 31.8 26.9 40.3
141 53.3 44.3 66.5

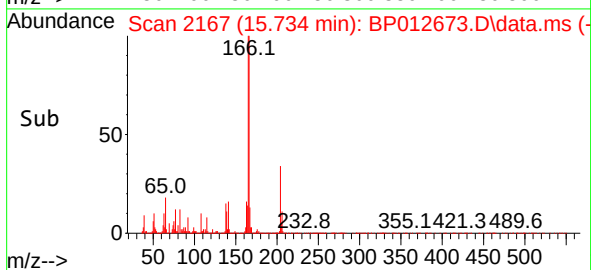
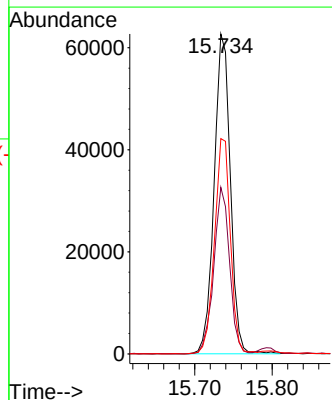
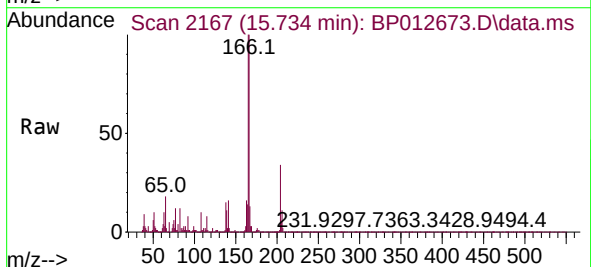
Manual Integrations
APPROVED

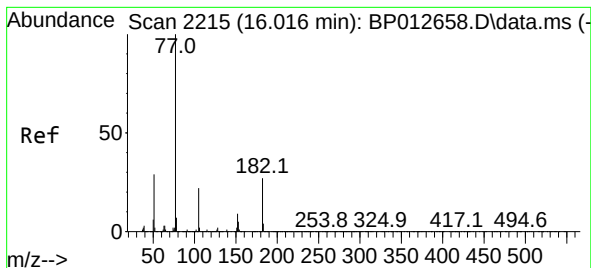
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 8.853 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

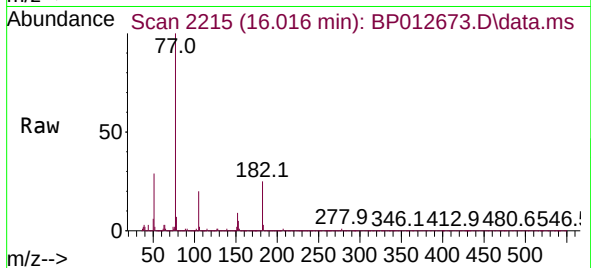
Tgt Ion: 138 Resp: 91065
Ion Ratio Lower Upper
138 100
92 52.0 28.2 68.2
108 67.3 53.7 93.7





#63
Azobenzene
Concen: 12.677 ng
RT: 16.016 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

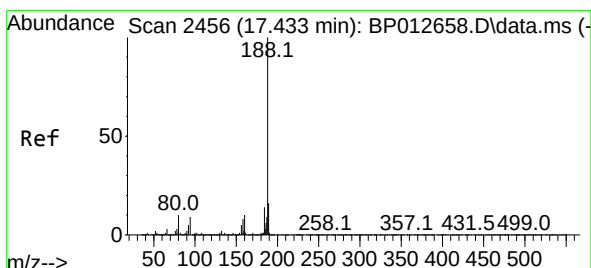
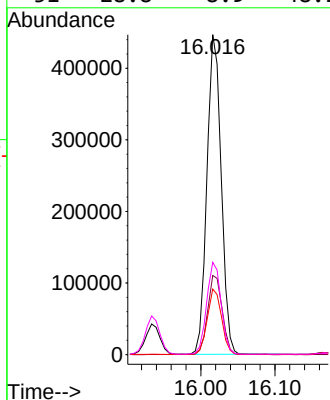
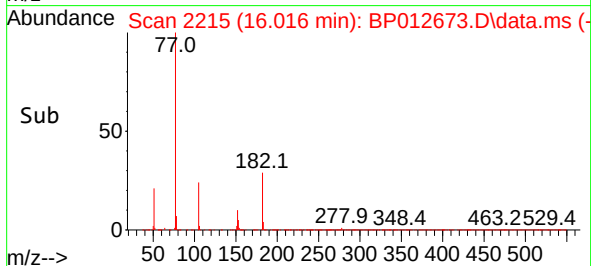
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



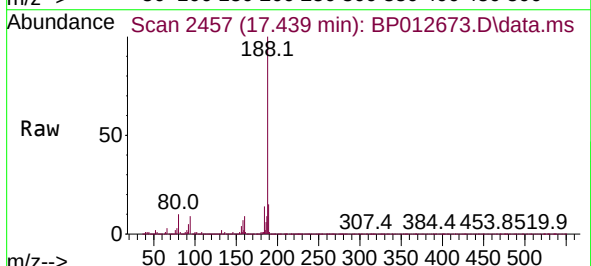
Tgt Ion: 77 Resp: 596546
Ion Ratio Lower Upper
77 100
182 24.7 7.1 47.1
105 20.5 1.9 41.9
51 28.8 8.9 48.9

Manual Integrations
APPROVED

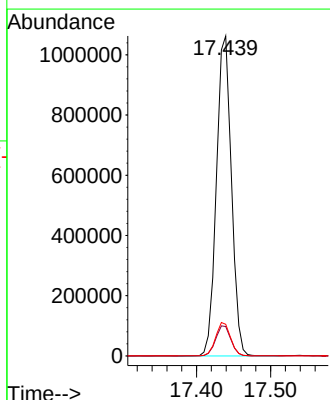
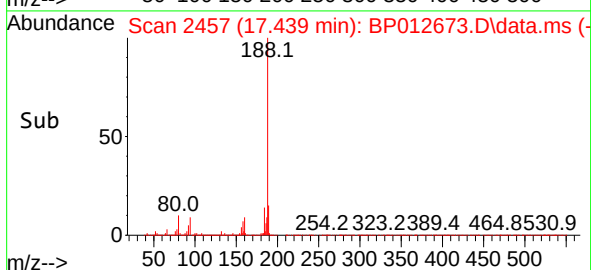
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

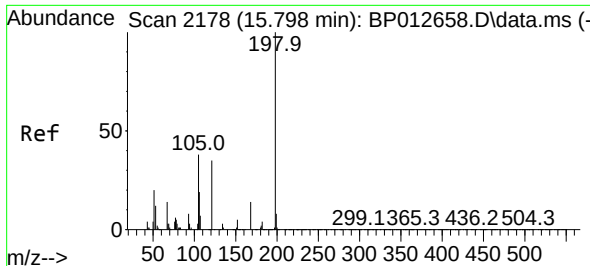


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.439 min Scan# 2457
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion:188 Resp: 1490817
Ion Ratio Lower Upper
188 100
94 9.2 7.5 11.3
80 9.9 8.2 12.2





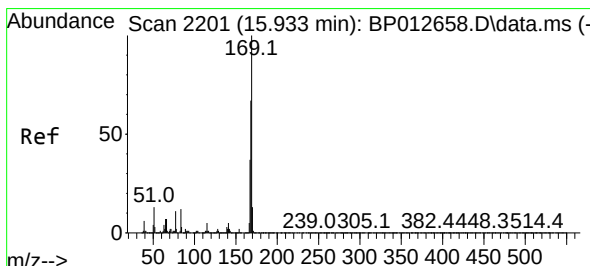
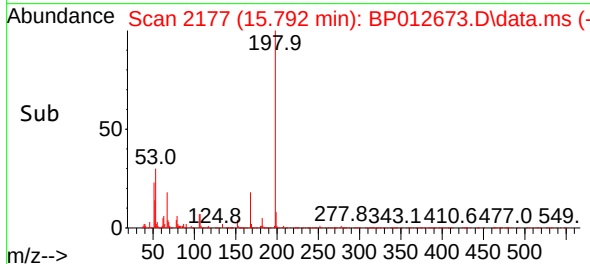
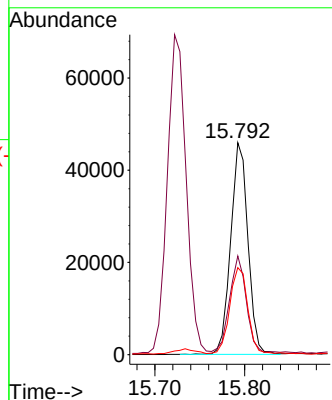
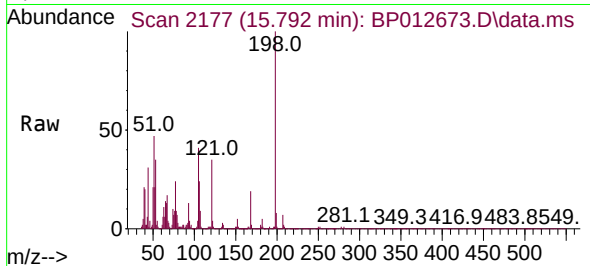
#65
4,6-Dinitro-2-methylphenol
Concen: 8.386 ng
RT: 15.792 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:198 Resp: 61392
Ion Ratio Lower Upper
198 100
51 46.6 18.2 58.2
105 41.1 19.6 59.6

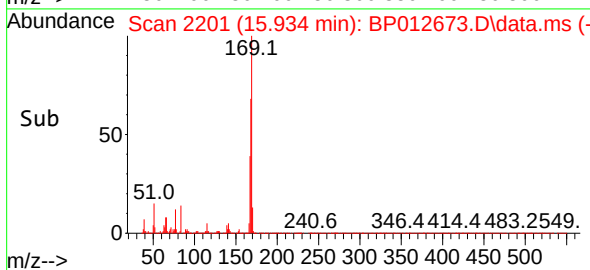
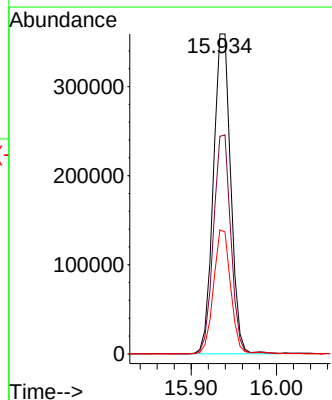
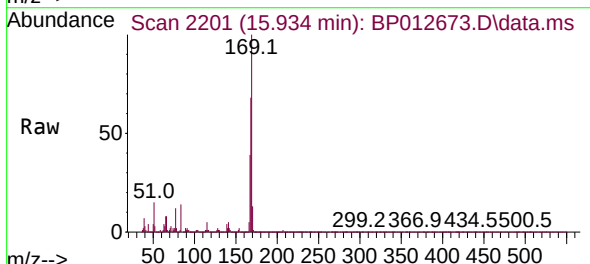
Manual Integrations
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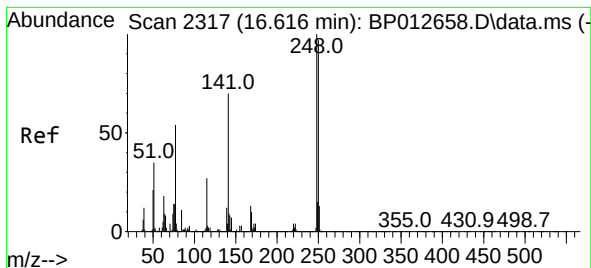
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 11.416 ng
RT: 15.934 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

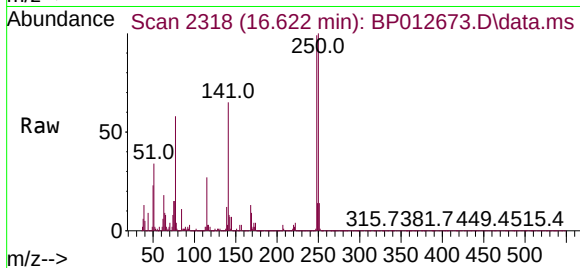
Tgt Ion:169 Resp: 507210
Ion Ratio Lower Upper
169 100
168 68.0 53.5 80.3
167 38.7 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 11.092 ng
RT: 16.622 min Scan# 2317
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

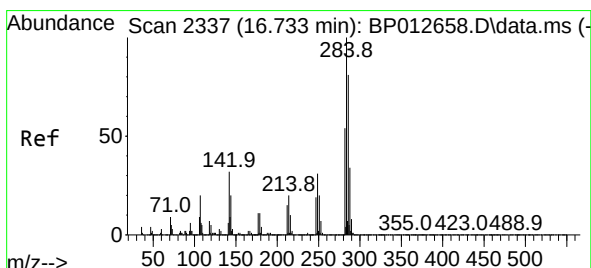
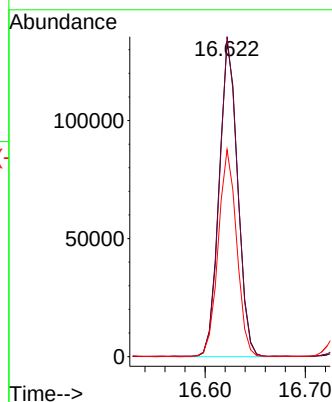
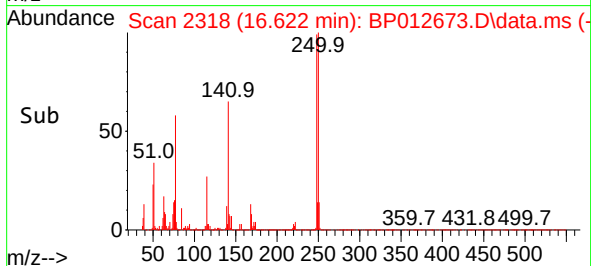
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:248 Resp: 172914
Ion Ratio Lower Upper
248 100
250 101.4 77.4 116.2
141 65.6 55.6 83.4

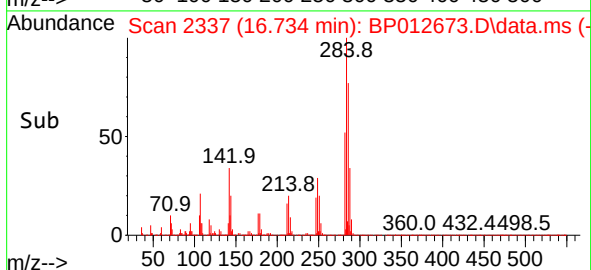
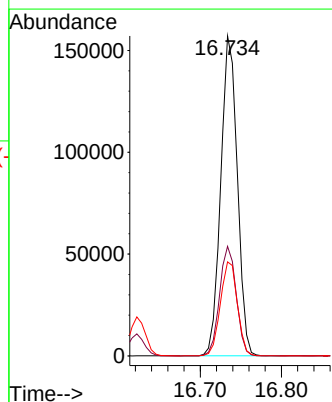
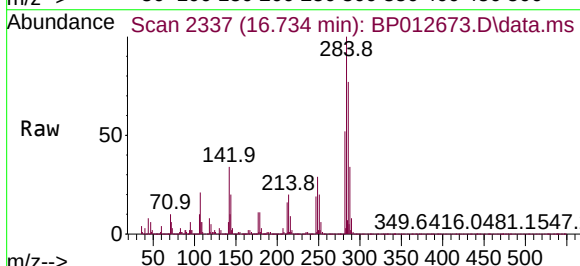
Manual Integrations
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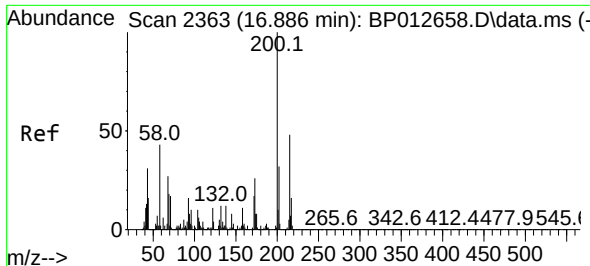
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 12.276 ng
RT: 16.734 min Scan# 2337
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:284 Resp: 221928
Ion Ratio Lower Upper
284 100
142 34.3 25.8 38.6
249 29.4 25.0 37.4





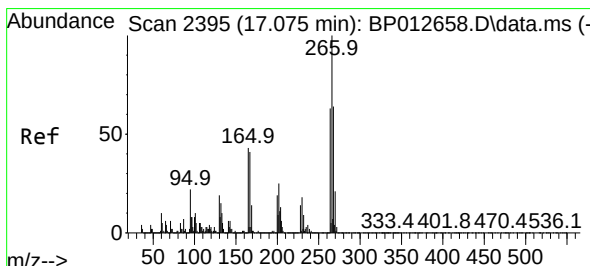
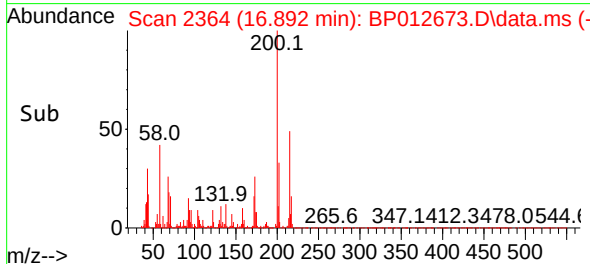
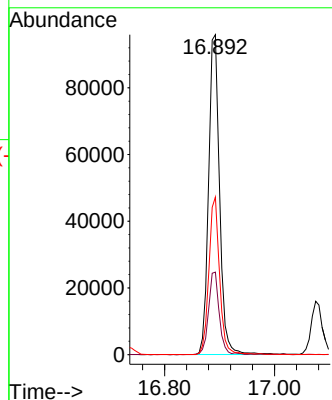
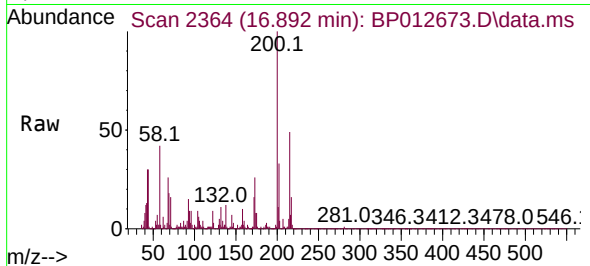
#69
Atrazine
Concen: 11.430 ng
RT: 16.892 min Scan# 2363
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:200 Resp: 13380
Ion Ratio Lower Upper
200 100
173 25.8 6.2 46.2
215 49.2 28.4 68.4

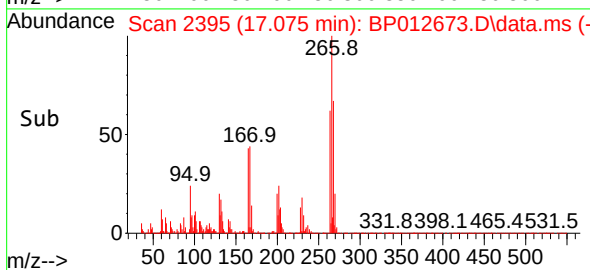
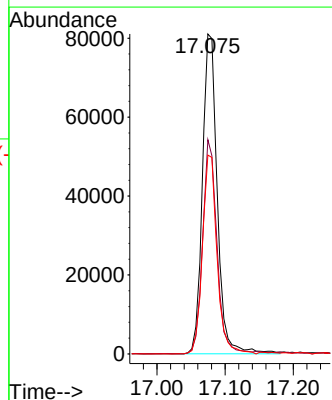
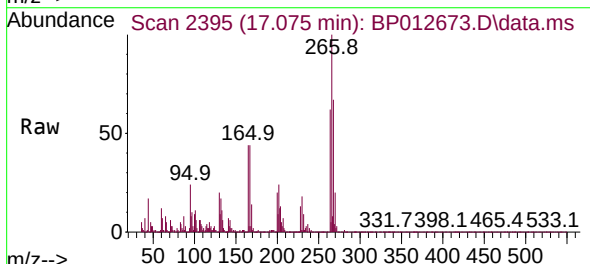
Manual Integrations
APPROVED

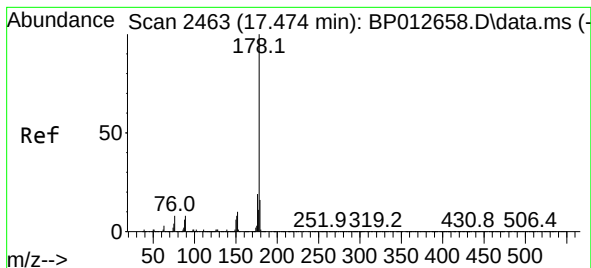
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#70
Pentachlorophenol
Concen: 10.494 ng
RT: 17.075 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:266 Resp: 123131
Ion Ratio Lower Upper
266 100
268 66.9 51.4 77.0
264 62.1 50.6 75.8





#71

Phenanthrene

Concen: 12.166 ng

RT: 17.481 min Scan# 2463

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:178 Resp: 1028820

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

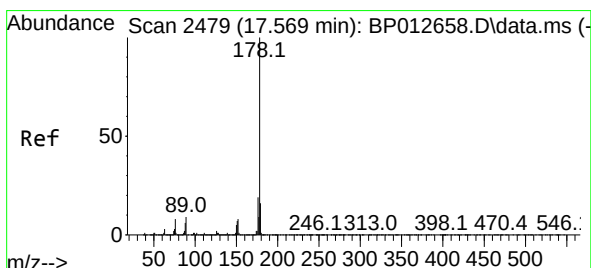
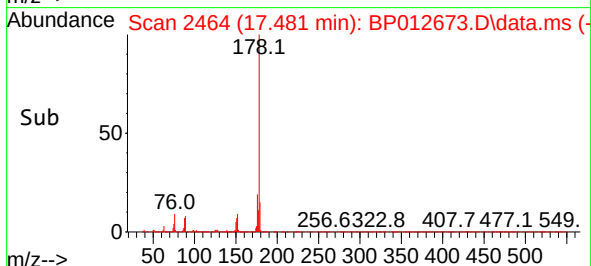
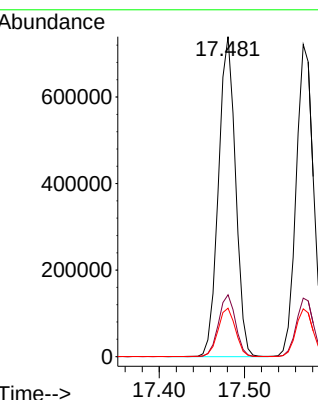
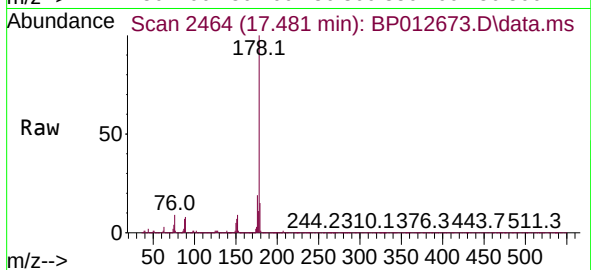
179 15.1 12.5 18.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#72

Anthracene

Concen: 12.410 ng

RT: 17.569 min Scan# 2479

Delta R.T. -0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

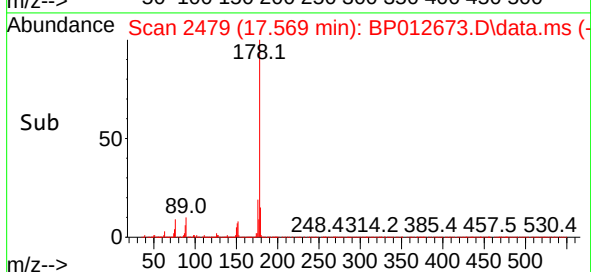
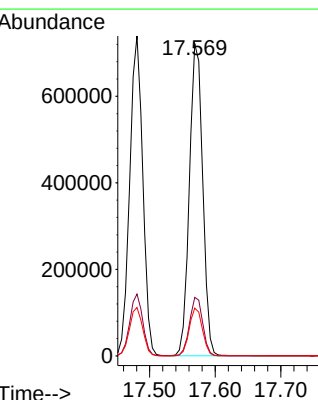
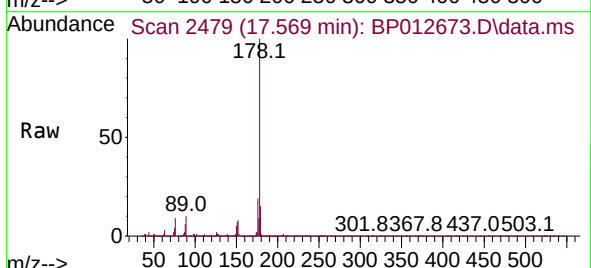
Tgt Ion:178 Resp: 1012509

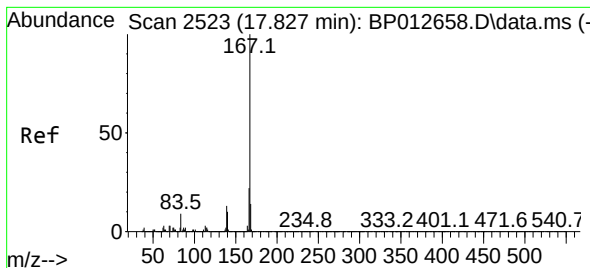
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.3 12.8 19.2





#73

Carbazole

Concen: 12.065 ng

RT: 17.834 min Scan# 2523

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

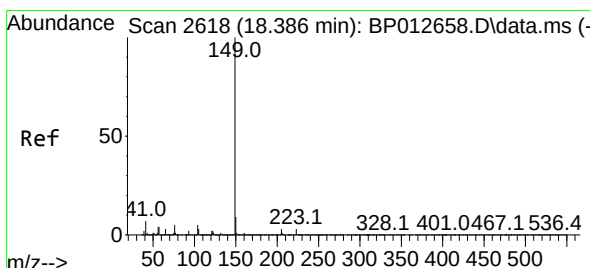
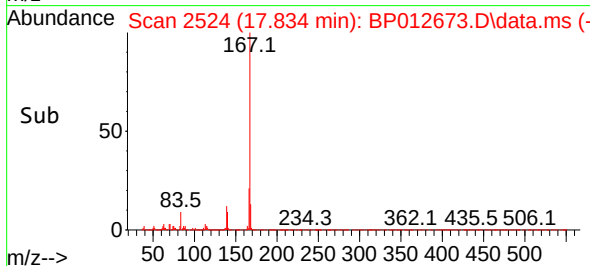
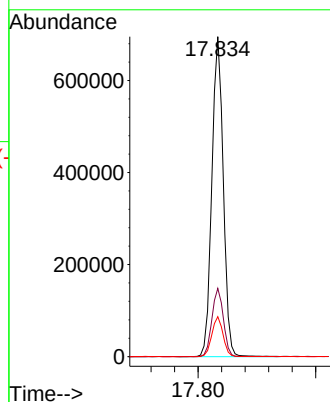
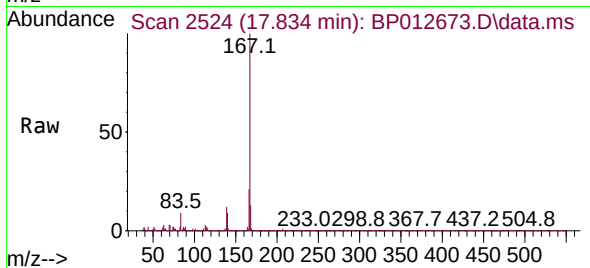
ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:167	Resp: 93481
Ion Ratio	Lower Upper
167 100	
166 21.3	17.4 26.2
139 12.5	10.2 15.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#74

Di-n-butylphthalate

Concen: 9.251 ng

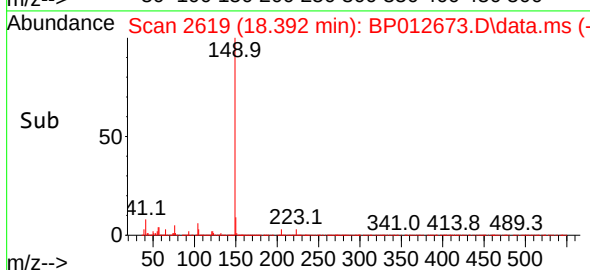
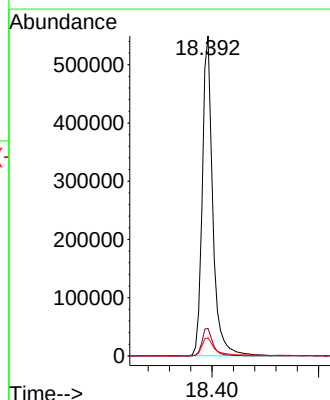
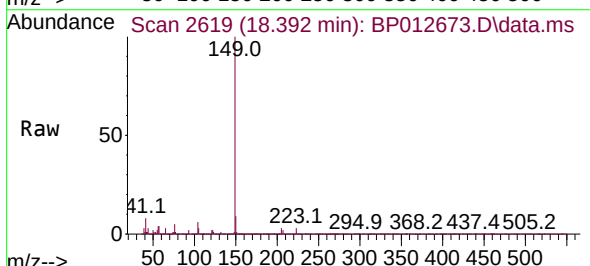
RT: 18.392 min Scan# 2619

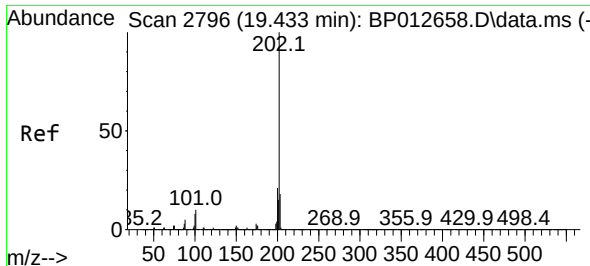
Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

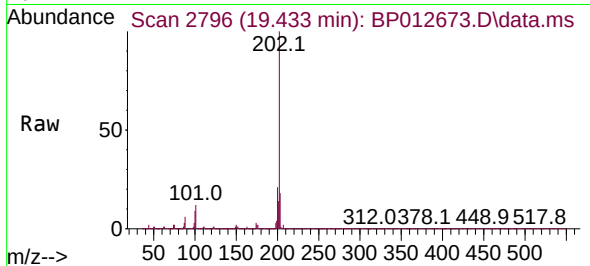
Tgt Ion:149	Resp: 747314
Ion Ratio	Lower Upper
149 100	
150 8.6	7.5 11.3
104 5.6	4.0 6.0





#75
Fluoranthene
Concen: 11.987 ng
RT: 19.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

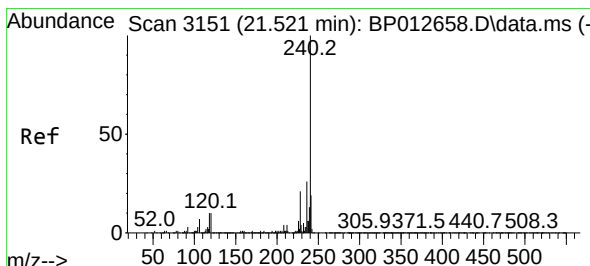
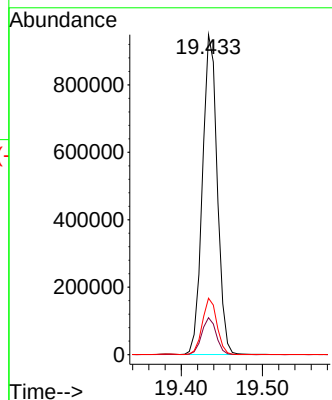
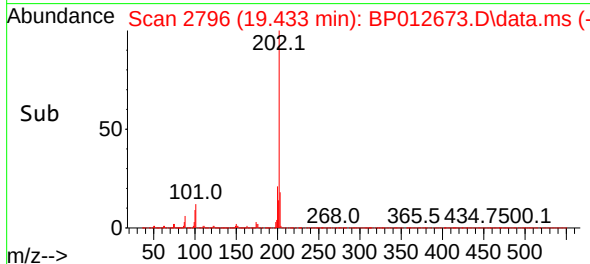
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:202 Resp: 120088
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.4
203 17.6 0.0 37.9

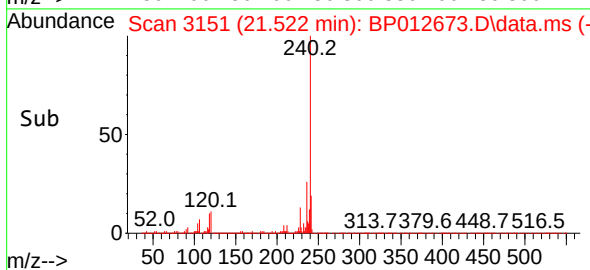
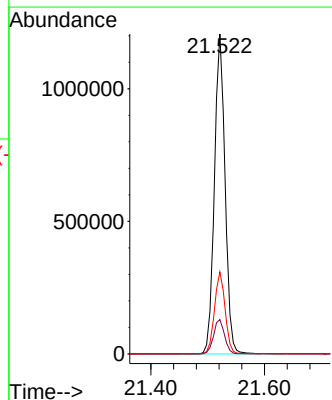
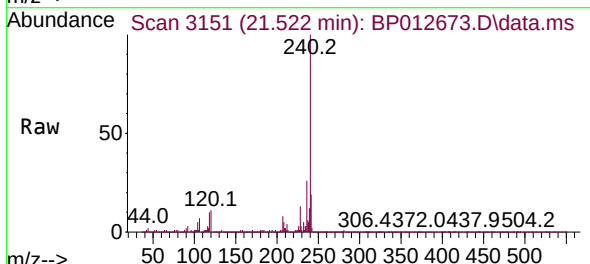
Manual Integrations
APPROVED

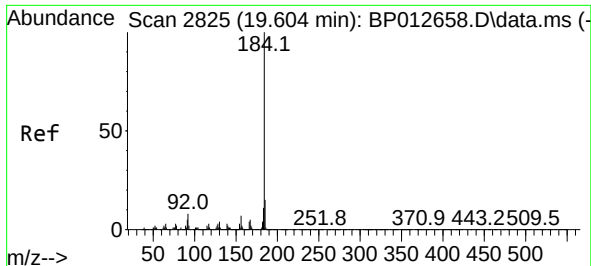
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3151
Delta R.T. 0.001 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

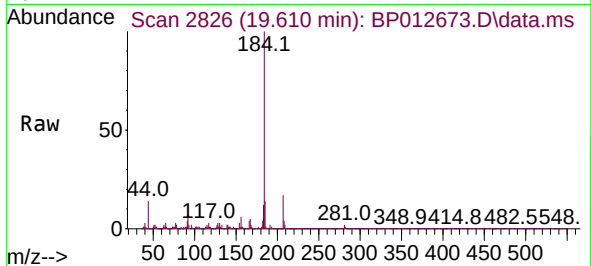
Tgt Ion:240 Resp: 1572031
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 25.6 20.4 30.6





#77
Benzidine
Concen: 8.508 ng
RT: 19.610 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

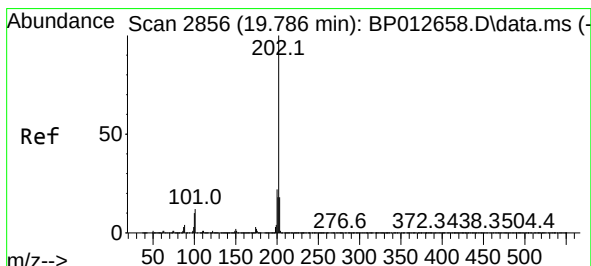
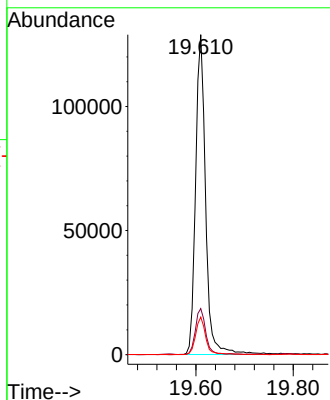
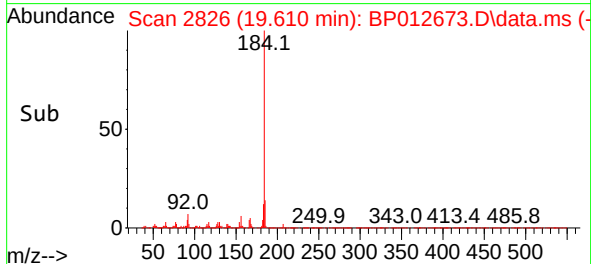
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



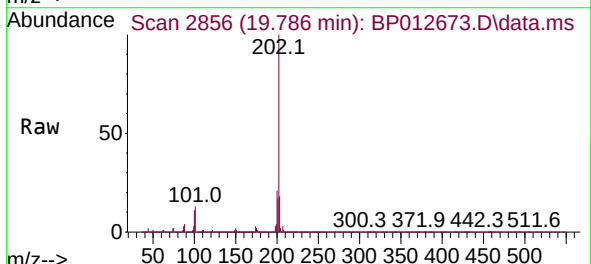
Tgt Ion:184 Resp: 183860
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.2
183 11.7 9.0 13.4

Manual Integrations
APPROVED

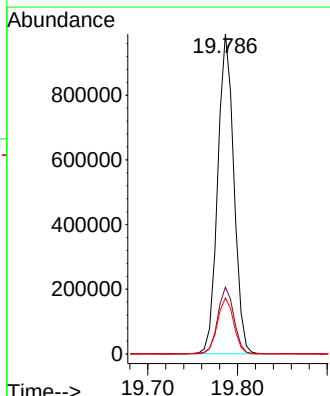
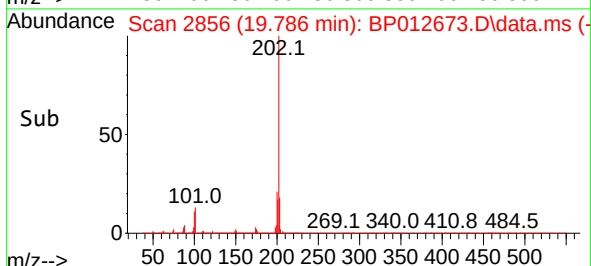
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

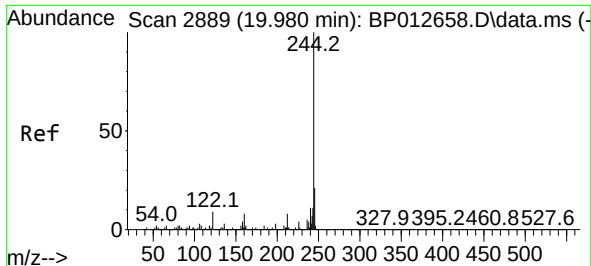


#78
Pyrene
Concen: 11.186 ng
RT: 19.786 min Scan# 2856
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



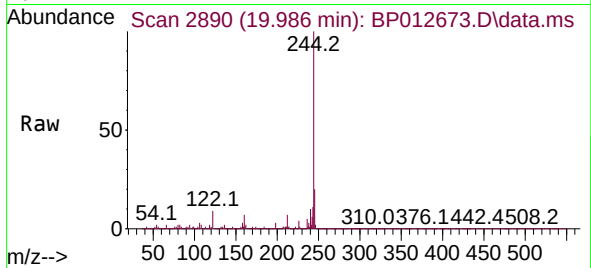
Tgt Ion:202 Resp: 1242756
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.0
203 17.5 14.3 21.5





#79
 Terphenyl-d14
 Concen: 79.084 ng
 RT: 19.986 min Scan# 2889
 Delta R.T. 0.006 min
 Lab File: BP012673.D
 Acq: 18 Nov 2022 15:34

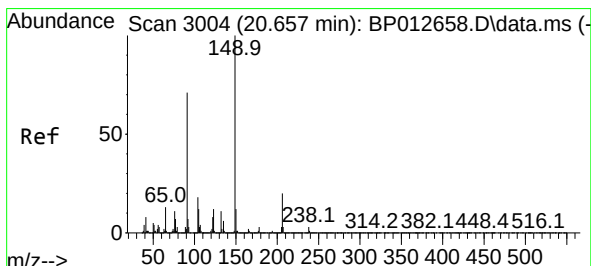
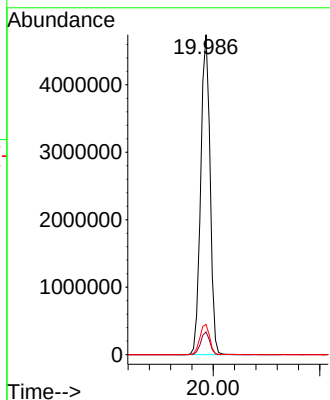
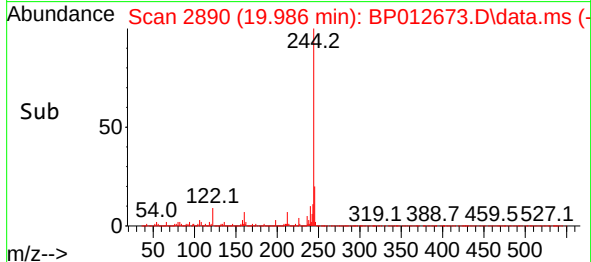
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion:244 Resp: 5754021
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.3 9.5
 122 9.4 7.5 11.3

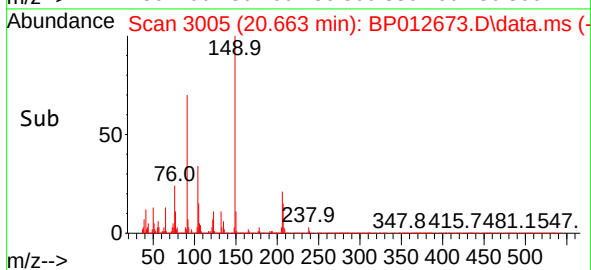
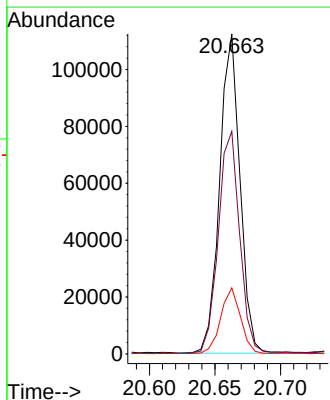
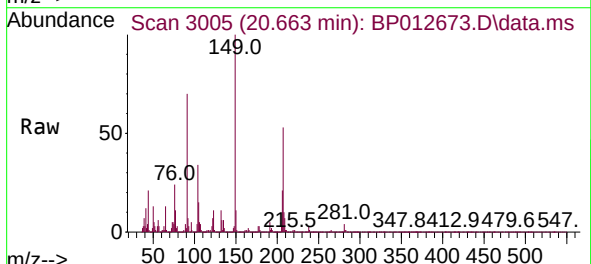
Manual Integrations
 APPROVED

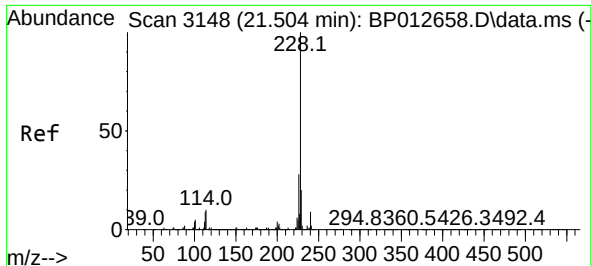
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#80
 Butylbenzylphthalate
 Concen: 6.041 ng
 RT: 20.663 min Scan# 3005
 Delta R.T. 0.006 min
 Lab File: BP012673.D
 Acq: 18 Nov 2022 15:34

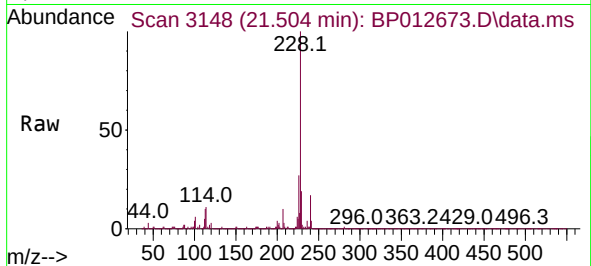
Tgt Ion:149 Resp: 121124
 Ion Ratio Lower Upper
 149 100
 91 69.5 56.9 85.3
 206 20.6 16.1 24.1





#81
Benzo(a)anthracene
Concen: 11.382 ng
RT: 21.504 min Scan# 3148
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

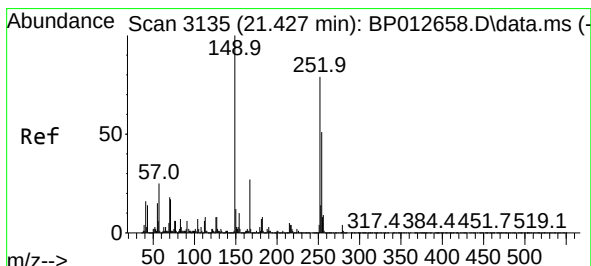
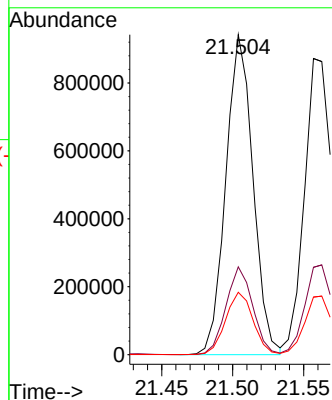
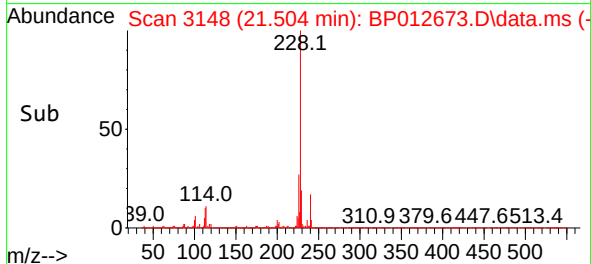
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 1254364
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.2
229 19.5 16.2 24.2

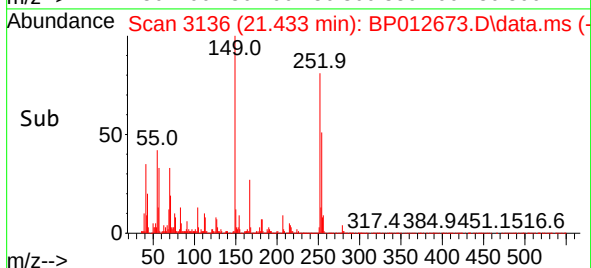
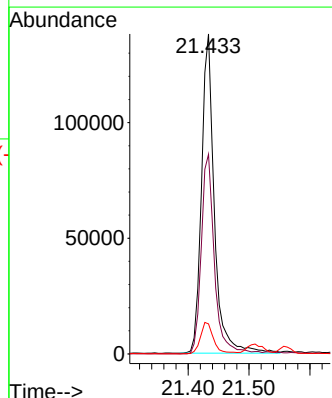
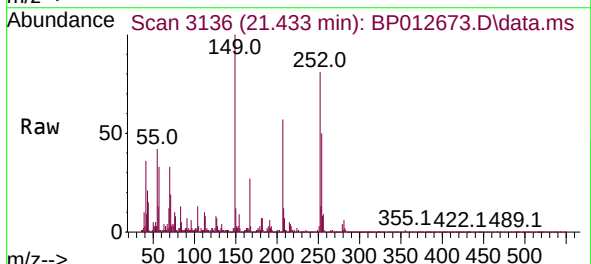
Manual Integrations
APPROVED

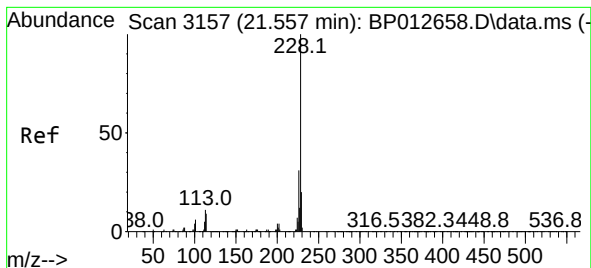
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 7.277 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

Tgt Ion:252 Resp: 201854
Ion Ratio Lower Upper
252 100
254 62.4 51.9 77.9
126 9.4 8.2 12.4





#83

Chrysene

Concen: 11.627 ng

RT: 21.557 min Scan# 3157

Delta R.T. -0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:228 Resp: 1215103

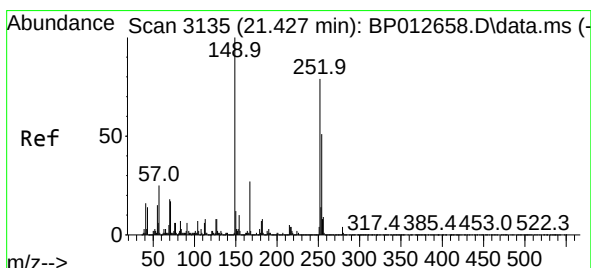
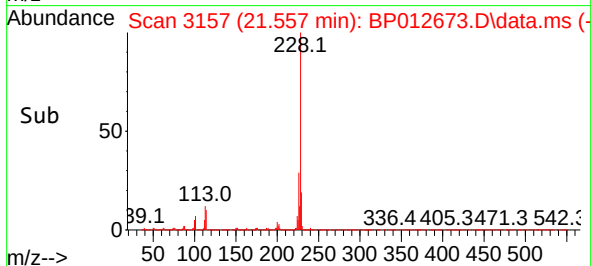
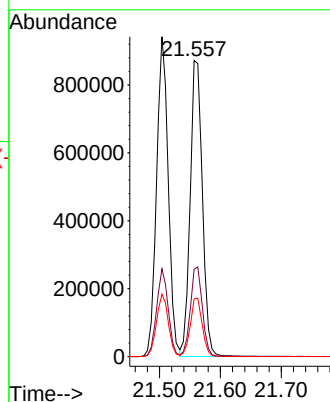
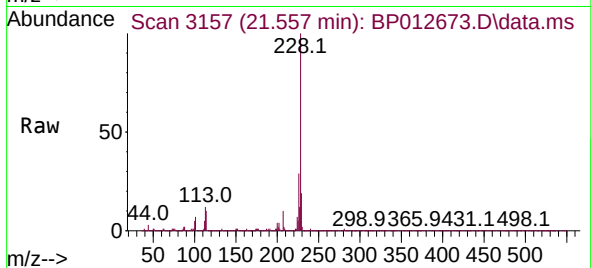
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	36.8
229	19.4	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.841 ng

RT: 21.433 min Scan# 3136

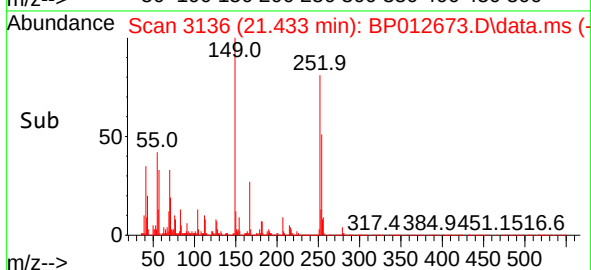
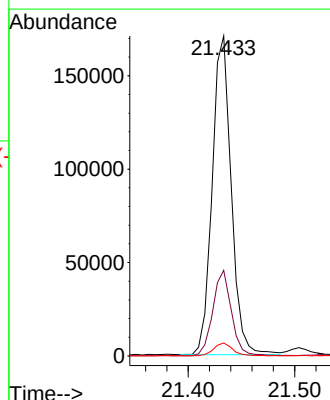
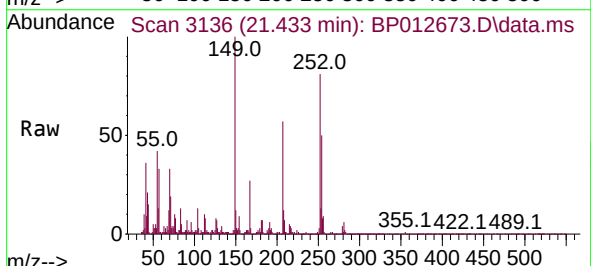
Delta R.T. 0.006 min

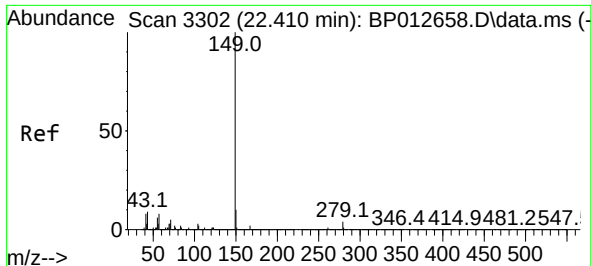
Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Tgt Ion:149 Resp: 212247

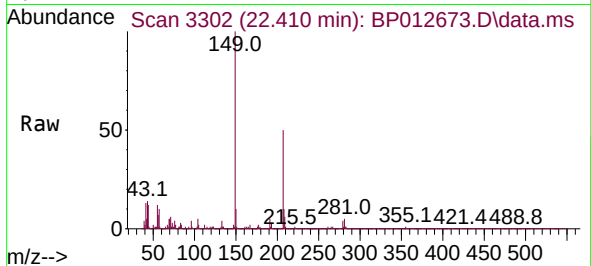
Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.7	32.5
279	4.0	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 4.868 ng
RT: 22.410 min Scan# 3302
Delta R.T. -0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

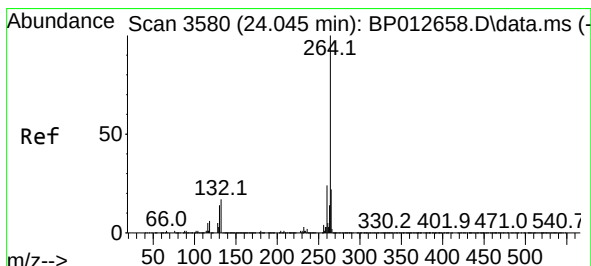
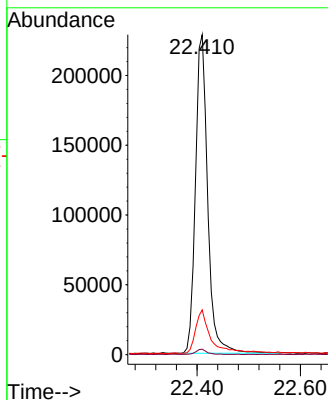
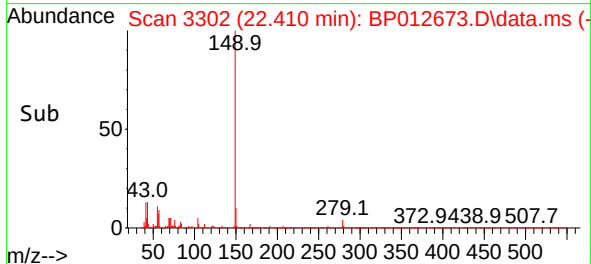
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



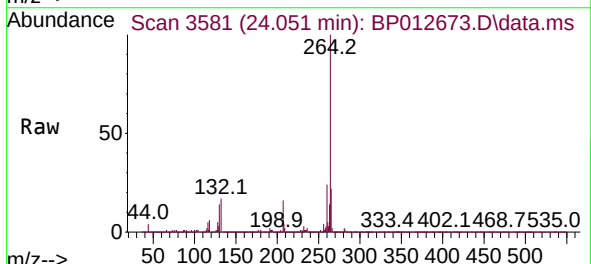
Tgt Ion:149 Resp: 374228
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 17.0 8.9 13.3

Manual Integrations
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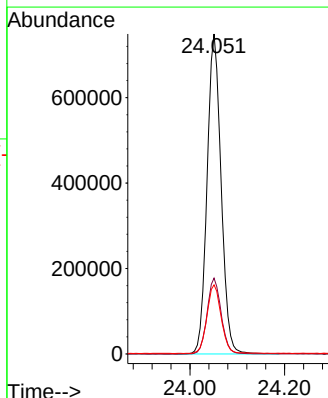
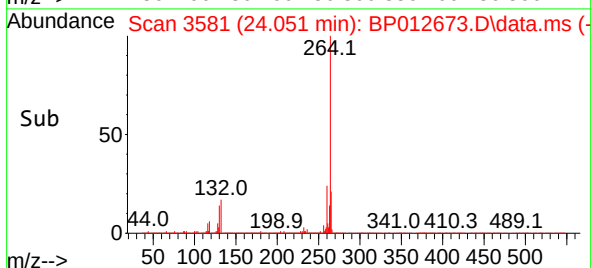
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

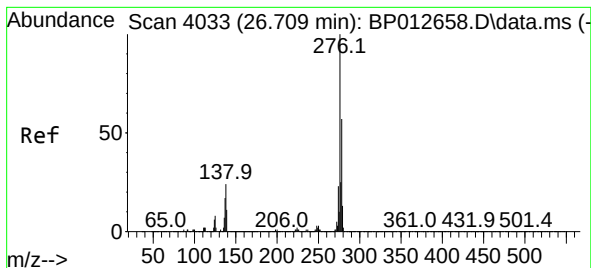


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.051 min Scan# 3581
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion:264 Resp: 1535673
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.152 ng

RT: 26.715 min Scan# 4033

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:276 Resp: 1246793

Ion Ratio Lower Upper

276 100

138 26.4 20.8 31.2

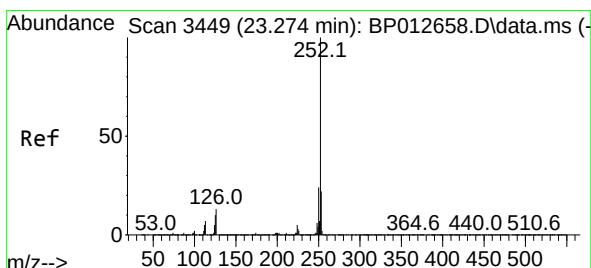
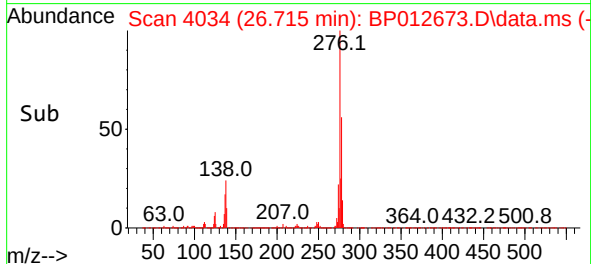
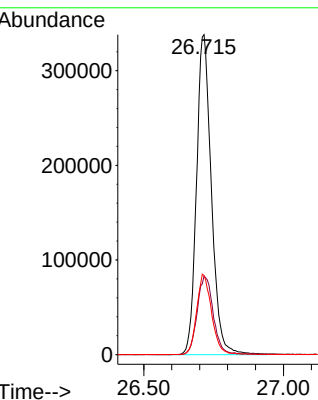
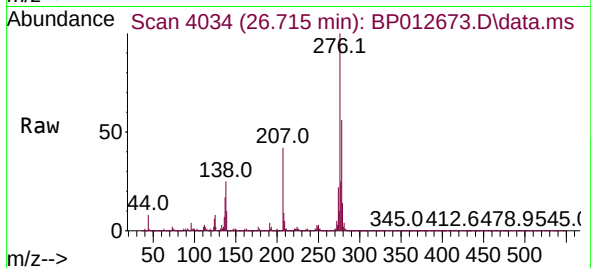
277 25.2 20.2 30.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#88

Benzo(b)fluoranthene

Concen: 12.134 ng

RT: 23.274 min Scan# 3449

Delta R.T. 0.000 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

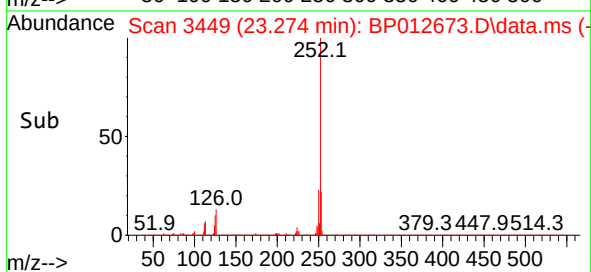
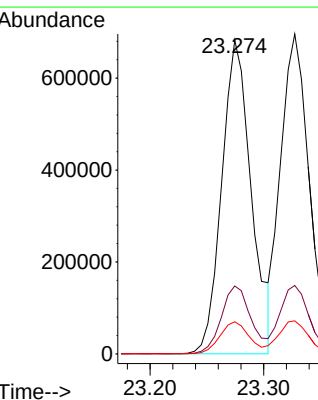
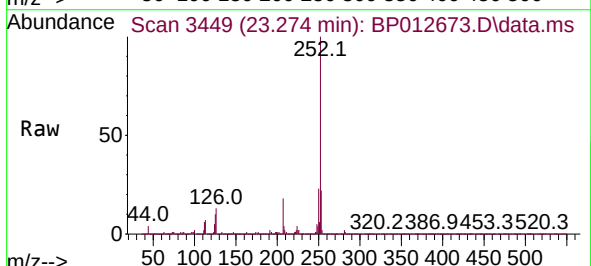
Tgt Ion:252 Resp: 1233665

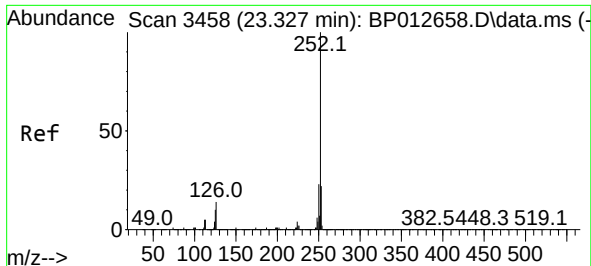
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

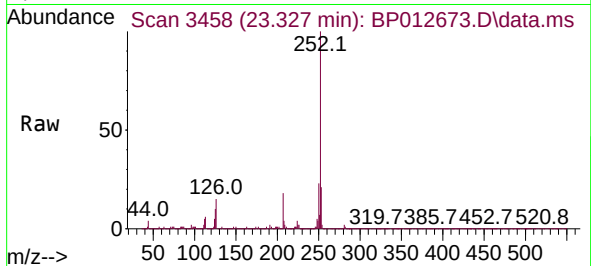
125 10.2 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 12.156 ng
RT: 23.327 min Scan# 3458
Delta R.T. 0.000 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34

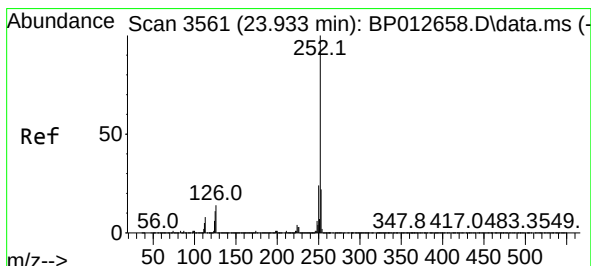
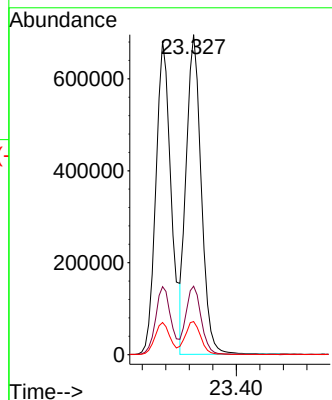
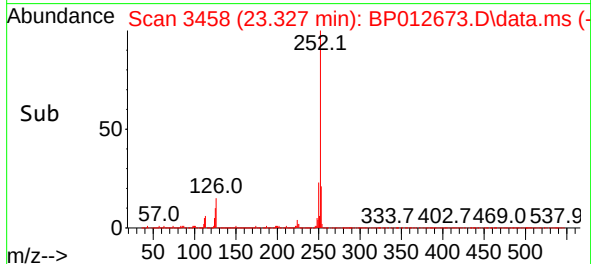
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



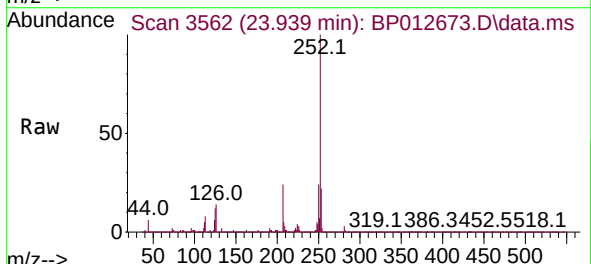
Tgt Ion:252 Resp: 1227955
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 10.3 7.9 11.9

Manual Integrations
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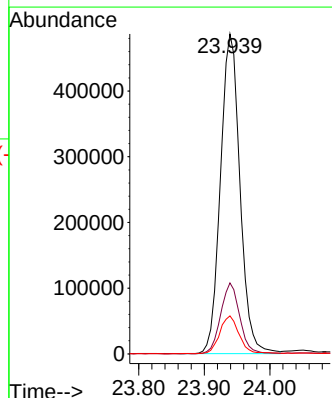
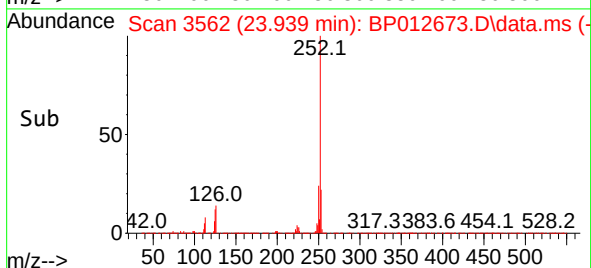
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

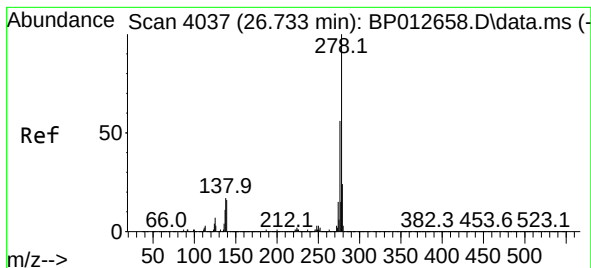


#90
Benzo(a)pyrene
Concen: 11.965 ng
RT: 23.939 min Scan# 3562
Delta R.T. 0.006 min
Lab File: BP012673.D
Acq: 18 Nov 2022 15:34



Tgt Ion:252 Resp: 1009485
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 12.006 ng

RT: 26.739 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Instrument :

BNP_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:278 Resp: 1109938

Ion Ratio Lower Upper

278 100

139 16.8 13.0 19.4

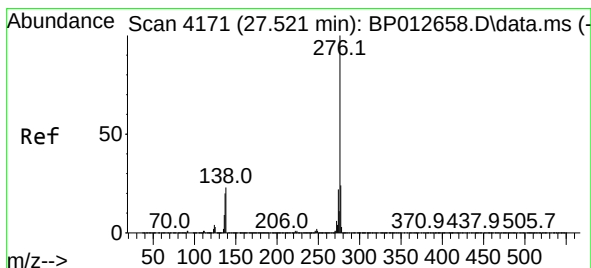
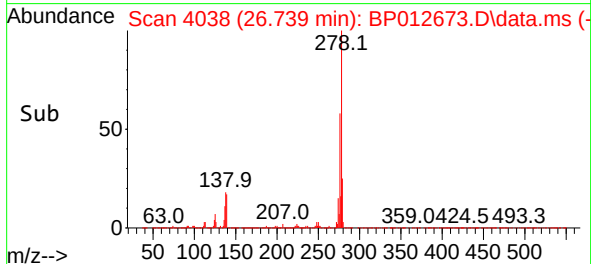
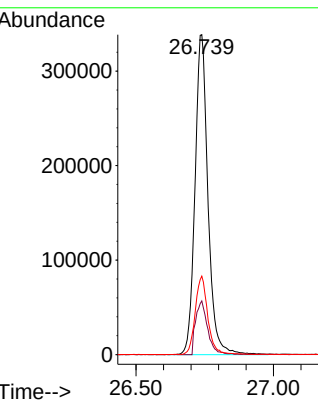
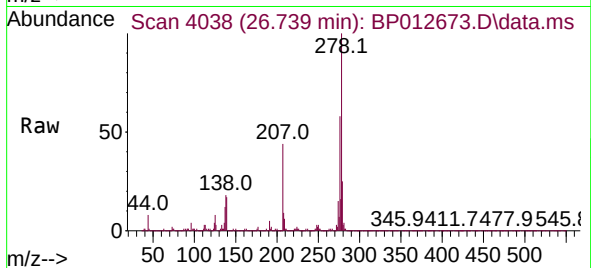
279 24.5 19.2 28.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#92

Benzo(g,h,i)perylene

Concen: 11.635 ng

RT: 27.527 min Scan# 4172

Delta R.T. 0.006 min

Lab File: BP012673.D

Acq: 18 Nov 2022 15:34

Tgt Ion:276 Resp: 1044762

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 23.2 18.1 27.1

