

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012672.D
 Acq On : 18 Nov 2022 14:39
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 21 03:40:14 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	250539	20.000	ng	0.00
21) Naphthalene-d8	10.869	136	1075610	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	714619	20.000	ng	0.00
64) Phenanthrene-d10	17.439	188	1591854	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1664711	20.000	ng	0.00
86) Perylene-d12	24.057	264	1609162	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1408633	101.611	ng	0.00
7) Phenol-d6	7.187	99	1966618	101.860	ng	0.00
23) Nitrobenzene-d5	9.210	82	1525823	89.192	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	908431	111.081	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	4063283	85.554	ng	0.00
79) Terphenyl-d14	19.986	244	6664260	86.495	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.452	88	54393	9.770	ng	99
3) Pyridine	3.858	79	146493	8.335	ng	97
4) n-Nitrosodimethylamine	3.769	42	70701	9.420	ng	# 86
6) Aniline	7.363	93	237725	9.774	ng	99
8) 2-Chlorophenol	7.605	128	169425	9.897	ng	100
9) Benzaldehyde	7.175	77	155441	13.805	ng	99
10) Phenol	7.216	94	208875	9.603	ng	99
11) bis(2-Chloroethyl)ether	7.463	93	178545	10.305	ng	98
12) 1,3-Dichlorobenzene	7.934	146	197287	10.385	ng	99
13) 1,4-Dichlorobenzene	8.081	146	206143	10.642	ng	99
14) 1,2-Dichlorobenzene	8.405	146	199800	10.748	ng	99
15) Benzyl Alcohol	8.281	79	123094	8.557	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.587	45	261821	10.710	ng	99
17) 2-Methylphenol	8.481	107	140715	9.329	ng	99
18) Hexachloroethane	9.140	117	70782	10.935	ng	98
19) n-Nitroso-di-n-propyla...	8.852	70	119362	9.096	ng	96
20) 3+4-Methylphenols	8.805	107	183381	8.679	ng	99
22) Acetophenone	8.869	105	291546	10.859	ng	# 99
24) Nitrobenzene	9.257	77	201281	10.896	ng	98
25) Isophorone	9.781	82	392320	10.195	ng	99
26) 2-Nitrophenol	9.969	139	62753	7.834	ng	96
27) 2,4-Dimethylphenol	10.022	122	151993	10.054	ng	99
28) bis(2-Chloroethoxy)met...	10.269	93	244743	11.182	ng	99
29) 2,4-Dichlorophenol	10.504	162	160925	9.159	ng	100
30) 1,2,4-Trichlorobenzene	10.728	180	192930	10.230	ng	98
31) Naphthalene	10.916	128	606877	10.263	ng	99
32) Benzoic acid	10.081	122	52326m	4.421	ng	
33) 4-Chloroaniline	11.022	127	227022	9.215	ng	98
34) Hexachlorobutadiene	11.204	225	119431	10.718	ng	99
35) Caprolactam	11.769	113	44719m	7.816	ng	
36) 4-Chloro-3-methylphenol	12.128	107	167871	8.901	ng	99
37) 2-Methylnaphthalene	12.516	142	431264	10.199	ng	99
38) 1-Methylnaphthalene	12.734	142	414810	9.983	ng	98
40) 1,2,4,5-Tetrachloroben...	12.881	216	230085	11.039	ng	100
41) Hexachlorocyclopentadiene	12.863	237	97607	12.313	ng	95
43) 2,4,6-Trichlorophenol	13.110	196	135996	9.165	ng	99

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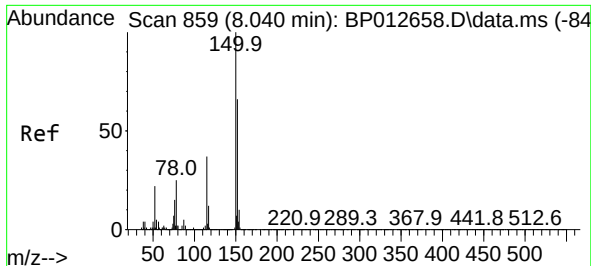
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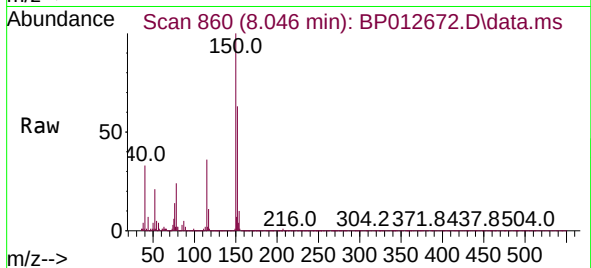
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.181	196	147388	8.977	ng	98
46) 1,1'-Biphenyl	13.522	154	588307	11.009	ng	99
47) 2-Chloronaphthalene	13.563	162	449265	10.588	ng	99
48) 2-Nitroaniline	13.757	65	60095	7.077	ng	94
49) Acenaphthylene	14.404	152	711259	10.270	ng	100
50) Dimethylphthalate	14.134	163	544689	9.677	ng	100
51) 2,6-Dinitrotoluene	14.251	165	86973	8.811	ng	95
52) Acenaphthene	14.745	154	441315	9.985	ng	96
53) 3-Nitroaniline	14.575	138	84994	7.519	ng	95
54) 2,4-Dinitrophenol	14.781	184	29459	5.375	ng	94
55) Dibenzofuran	15.081	168	708428	10.618	ng	97
56) 4-Nitrophenol	14.863	139	79627	7.525	ng	92
57) 2,4-Dinitrotoluene	15.034	165	104755	7.979	ng	93
58) Fluorene	15.728	166	574265	10.935	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.298	232	133961	9.064	ng	99
60) Diethylphthalate	15.498	149	511676	9.241	ng	99
61) 4-Chlorophenyl-phenyle...	15.728	204	280433	11.110	ng	96
62) 4-Nitroaniline	15.734	138	79360	7.177	ng	94
63) Azobenzene	16.016	77	534193	10.560	ng	97
65) 4,6-Dinitro-2-methylph...	15.792	198	41376	5.293	ng	88
66) n-Nitrosodiphenylamine	15.939	169	458161	9.658	ng	99
67) 4-Bromophenyl-phenylether	16.622	248	157808	9.481	ng	98
68) Hexachlorobenzene	16.733	284	201875	10.458	ng	97
69) Atrazine	16.892	200	117992	9.439	ng	98
70) Pentachlorophenol	17.081	266	108177	8.634	ng	97
71) Phenanthrene	17.481	178	929033	10.289	ng	99
72) Anthracene	17.569	178	908167	10.425	ng	99
73) Carbazole	17.833	167	829189	10.022	ng	100
74) Di-n-butylphthalate	18.392	149	667268	7.736	ng	98
75) Fluoranthene	19.433	202	1077814	10.076	ng	98
77) Benzidine	19.610	184	168503	7.363	ng	98
78) Pyrene	19.786	202	1112397	9.456	ng	99
80) Butylbenzylphthalate	20.663	149	108368	5.104	ng	99
81) Benzo(a)anthracene	21.504	228	1116279	9.565	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	175408	5.971	ng	99
83) Chrysene	21.563	228	1077927	9.740	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	190580	4.953	ng	99
85) Di-n-octyl phthalate	22.410	149	339565	4.171	ng	# 84
87) Indeno(1,2,3-cd)pyrene	26.715	276	1059835	9.047	ng	99
88) Benzo(b)fluoranthene	23.280	252	1064091	9.988	ng	99
89) Benzo(k)fluoranthene	23.327	252	1093319	10.329	ng	99
90) Benzo(a)pyrene	23.939	252	874954	9.897	ng	99
91) Dibenzo(a,h)anthracene	26.739	278	949632	9.803	ng	99
92) Benzo(g,h,i)perylene	27.527	276	897642	9.540	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.046 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

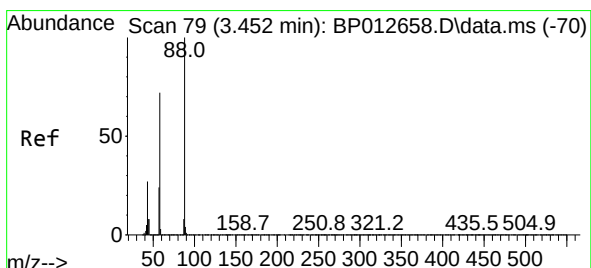
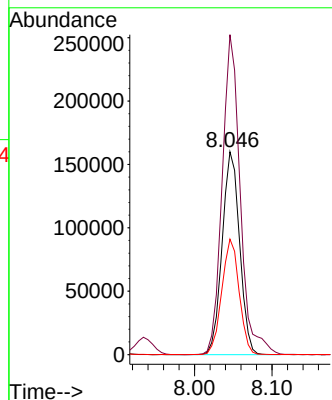
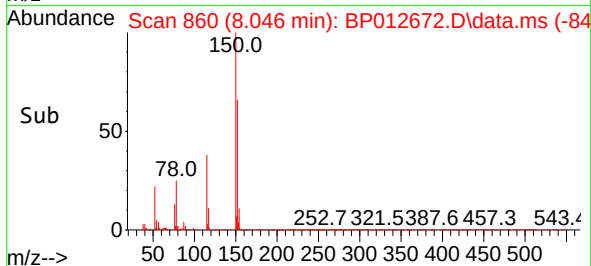
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 250539
Ion Ratio Lower Upper
152 100
150 157.8 121.8 182.8
115 56.9 45.4 68.2

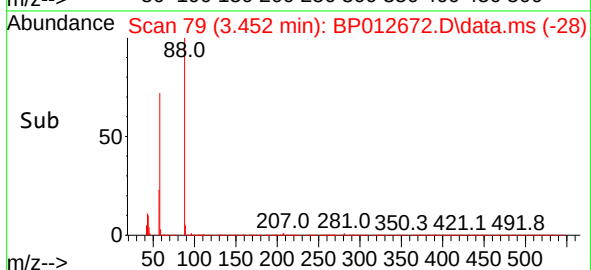
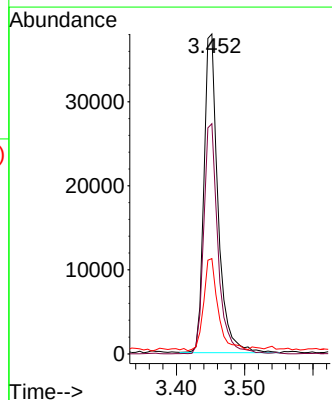
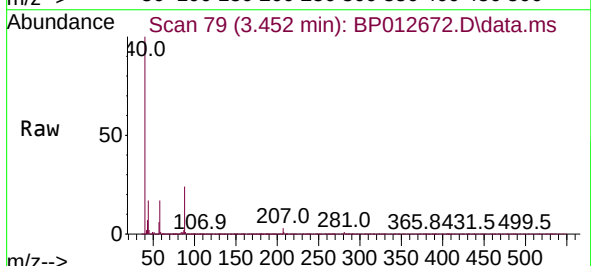
Manual Integrations
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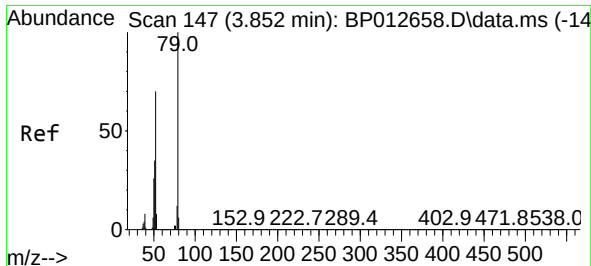
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#2
1,4-Dioxane
Concen: 9.770 ng
RT: 3.452 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

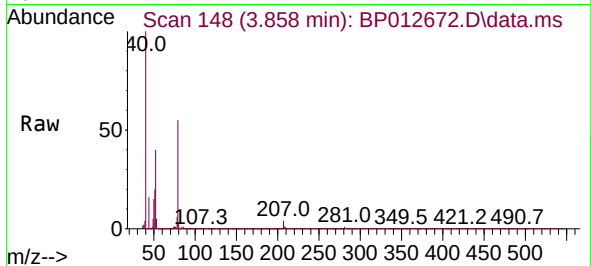
Tgt Ion: 88 Resp: 54393
Ion Ratio Lower Upper
88 100
58 73.5 59.3 88.9
43 29.8 23.0 34.4





#3
Pyridine
Concen: 8.335 ng
RT: 3.858 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

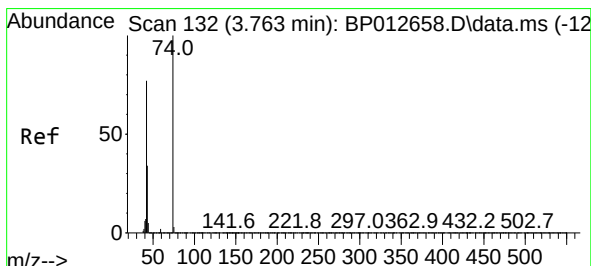
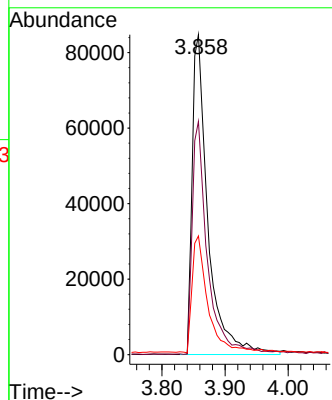
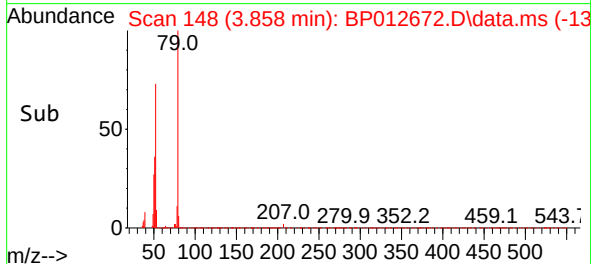
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



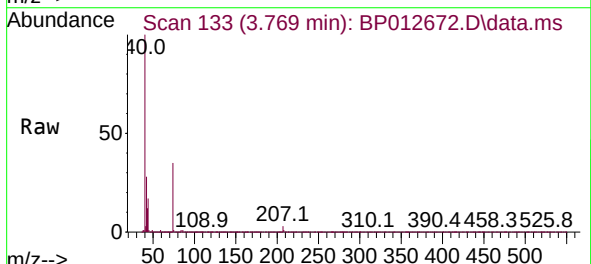
Tgt Ion: 79 Resp: 146493
Ion Ratio Lower Upper
79 100
52 72.9 56.1 84.1
51 37.1 28.1 42.1

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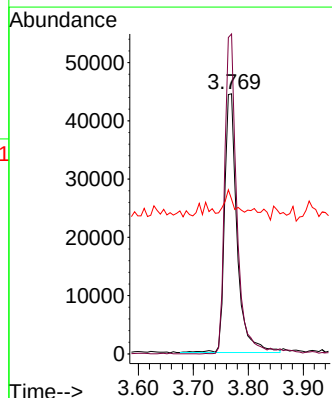
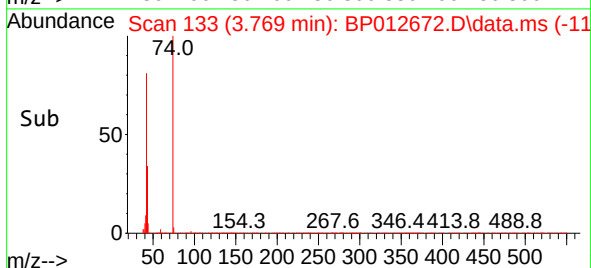
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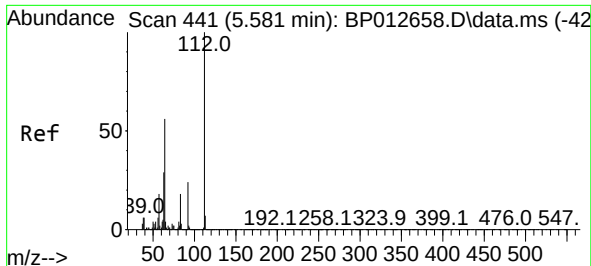


#4
n-Nitrosodimethylamine
Concen: 9.420 ng
RT: 3.769 min Scan# 133
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



Tgt Ion: 42 Resp: 70701
Ion Ratio Lower Upper
42 100
74 123.0 103.5 155.3
44 59.5 6.4 9.6#





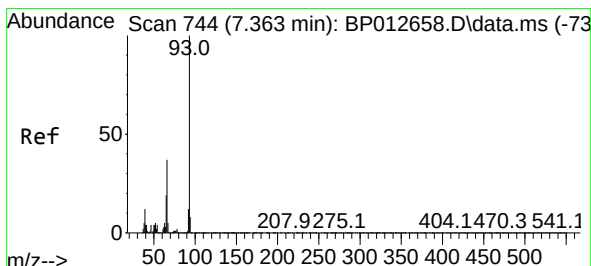
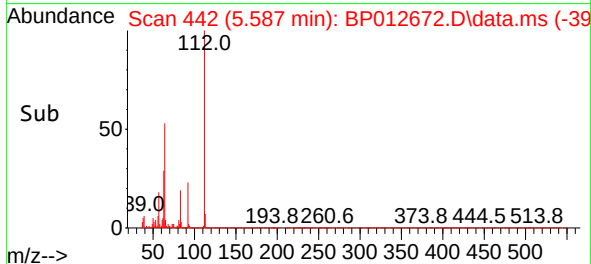
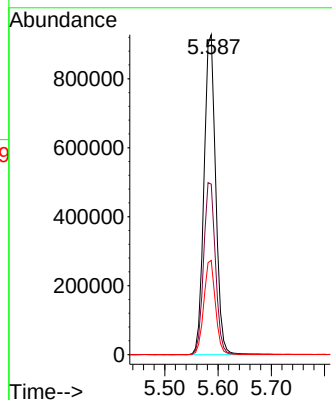
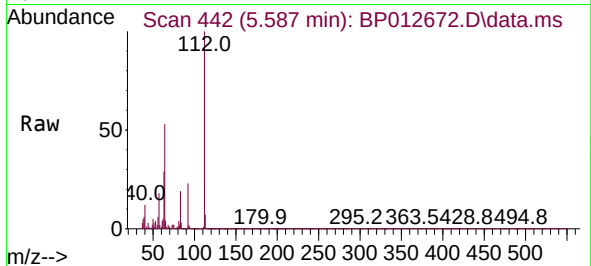
#5
2-Fluorophenol
Concen: 101.611 ng
RT: 5.587 min Scan# 441
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:112 Resp: 1408633
Ion Ratio Lower Upper
112 100
64 53.3 44.7 67.1
63 29.4 23.3 34.9

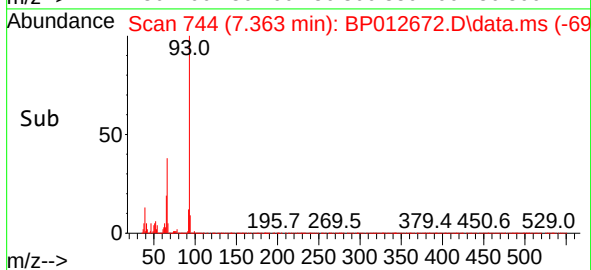
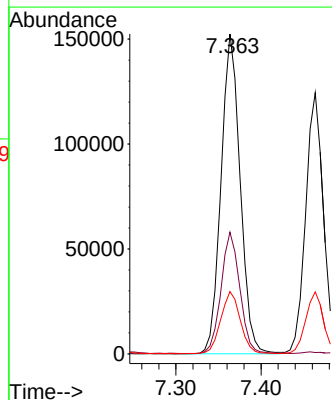
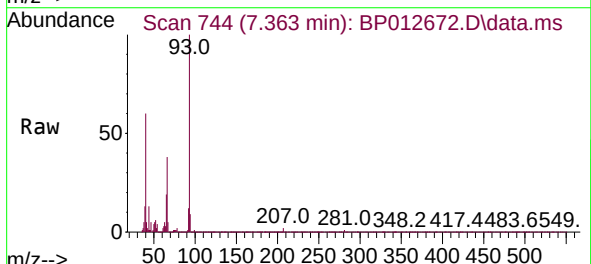
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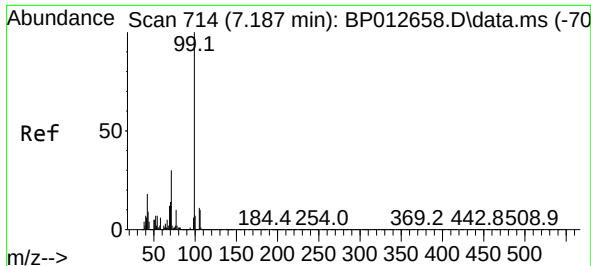
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 9.774 ng
RT: 7.363 min Scan# 744
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

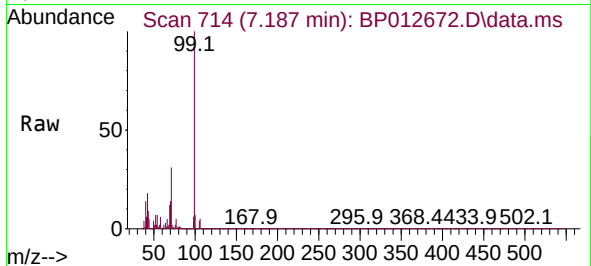
Tgt Ion: 93 Resp: 237725
Ion Ratio Lower Upper
93 100
66 38.0 29.9 44.9
65 19.5 15.4 23.2





#7
Phenol-d6
Concen: 101.860 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

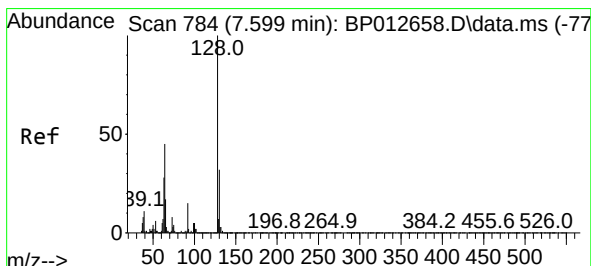
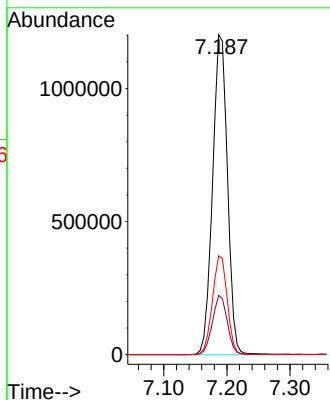
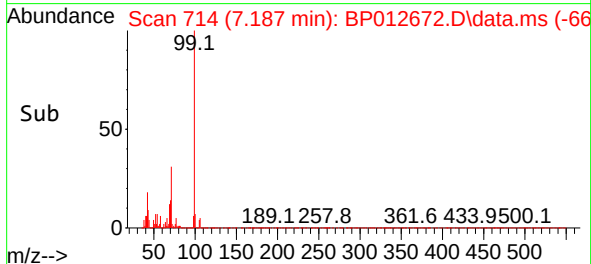
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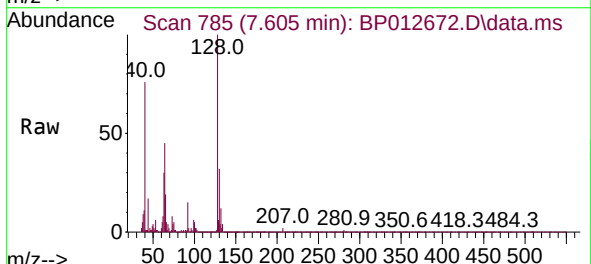
Tgt Ion: 99 Resp: 1966618
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.2
71 30.9 24.4 36.6

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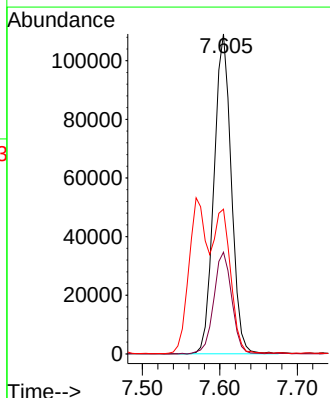
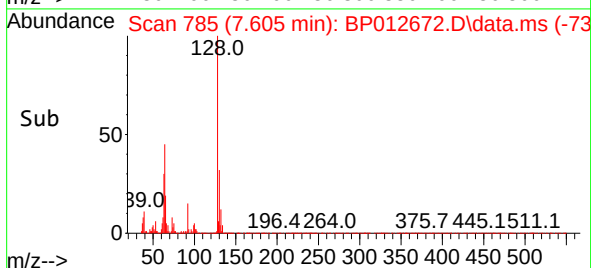
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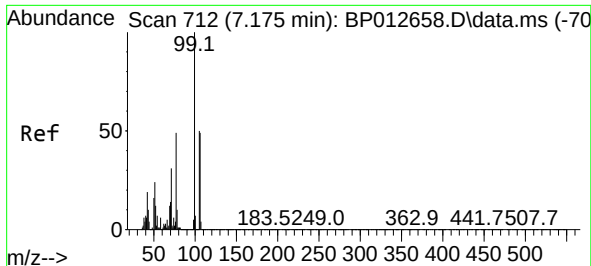


#8
2-Chlorophenol
Concen: 9.897 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



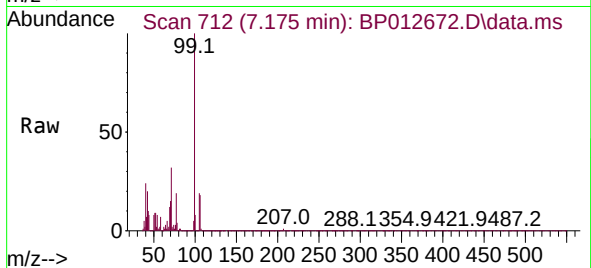
Tgt Ion:128 Resp: 169425
Ion Ratio Lower Upper
128 100
130 31.8 12.0 52.0
64 45.2 25.5 65.5





#9
Benzaldehyde
Concen: 13.805 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

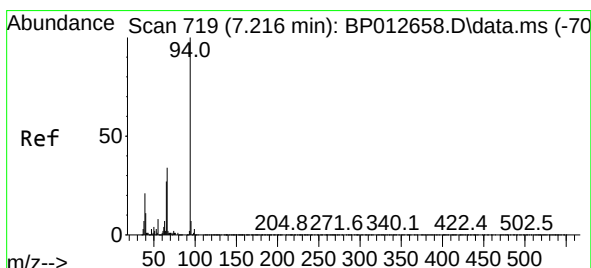
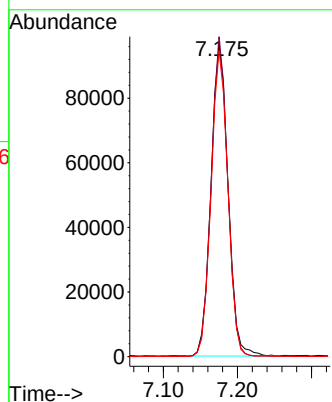
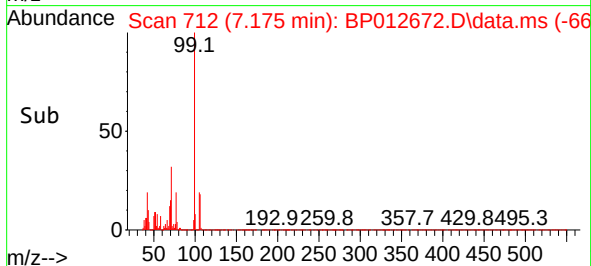
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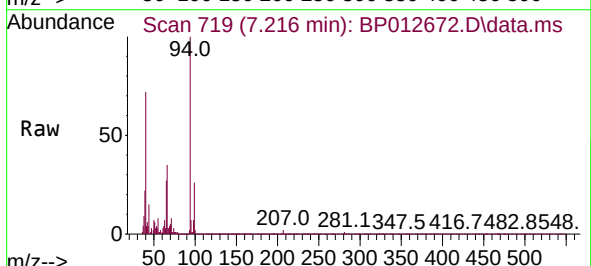
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Ion Ratio Lower Upper
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105 102.9 82.0 122.0
106 98.4 79.6 119.6

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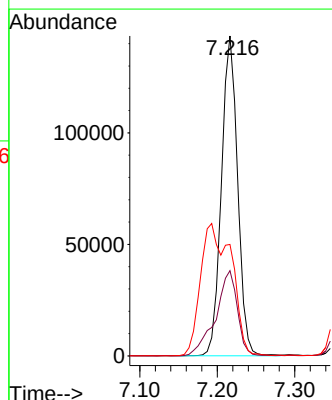
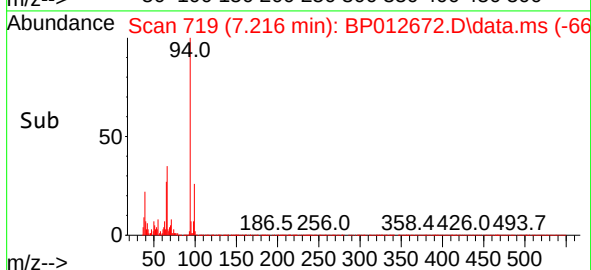
Reviewed By :Christian Giraldo 11/21/2022
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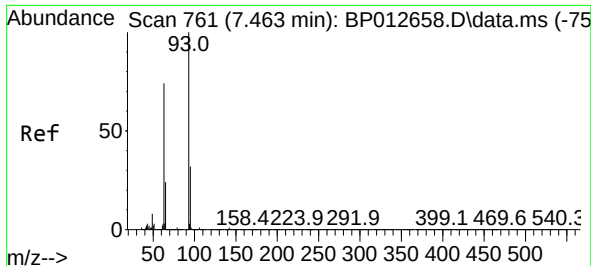


#10
Phenol
Concen: 9.603 ng
RT: 7.216 min Scan# 719
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



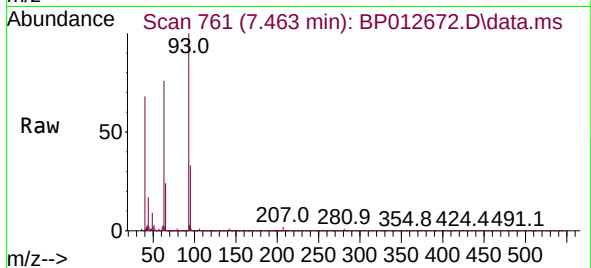
Tgt Ion: 94 Resp: 208875
Ion Ratio Lower Upper
94 100
65 26.6 6.8 46.8
66 34.8 13.9 53.9





#11
bis(2-Chloroethyl)ether
Concen: 10.305 ng
RT: 7.463 min Scan# 761
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

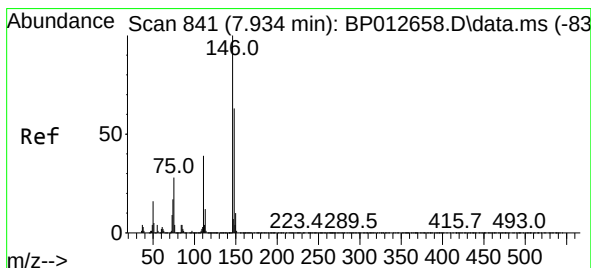
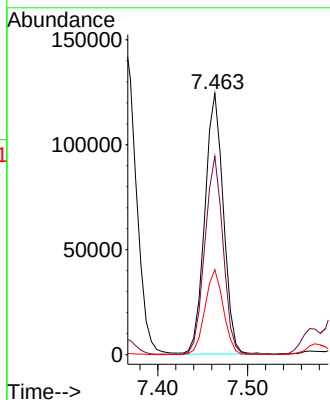
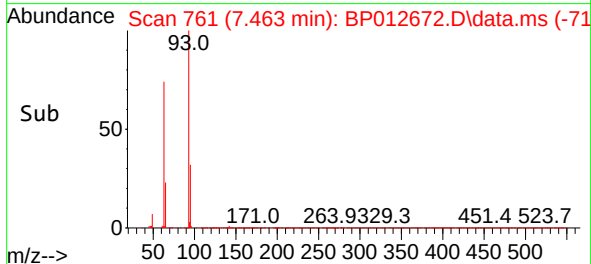
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



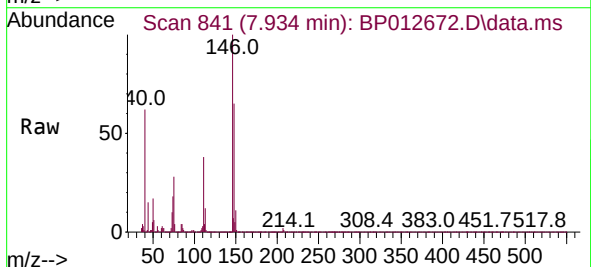
Tgt Ion: 93 Resp: 178545
Ion Ratio Lower Upper
93 100
63 75.9 53.9 93.9
95 32.5 12.3 52.3

Manual Integrations
APPROVED

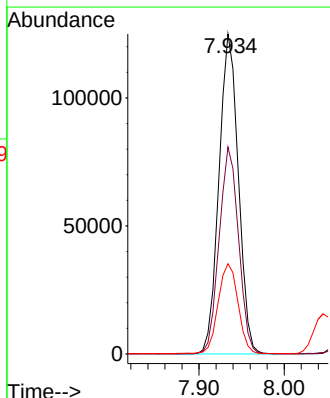
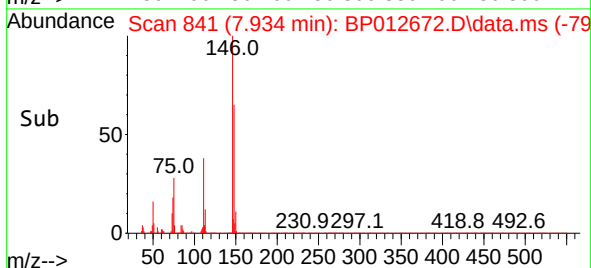
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

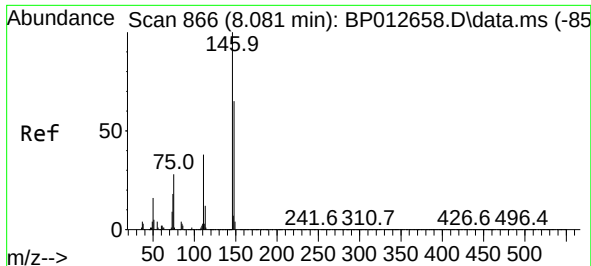


#12
1,3-Dichlorobenzene
Concen: 10.385 ng
RT: 7.934 min Scan# 841
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



Tgt Ion:146 Resp: 197287
Ion Ratio Lower Upper
146 100
148 64.6 50.6 76.0
75 28.2 22.5 33.7





#13

1,4-Dichlorobenzene

Concen: 10.642 ng

RT: 8.081 min Scan# 866

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

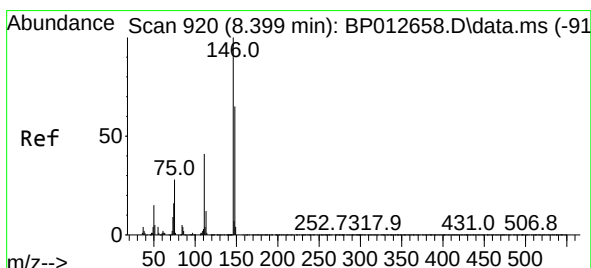
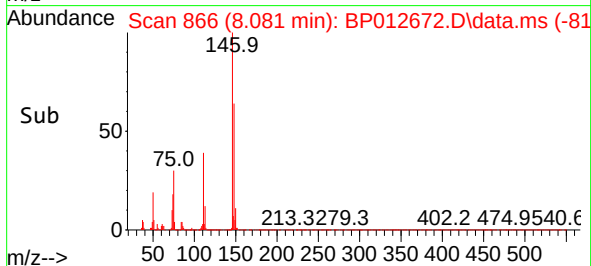
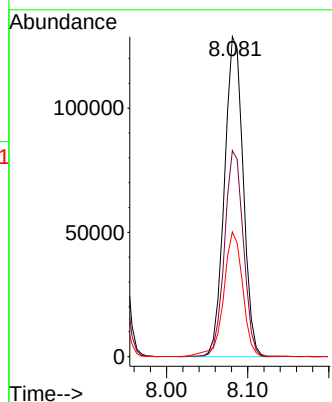
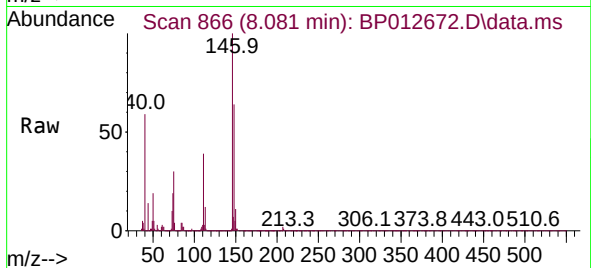
Tgt Ion:	146	Resp:	206143
Ion Ratio	Lower	Upper	
146	100		
148	64.4	52.2	78.4
111	39.0	30.6	45.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#14

1,2-Dichlorobenzene

Concen: 10.748 ng

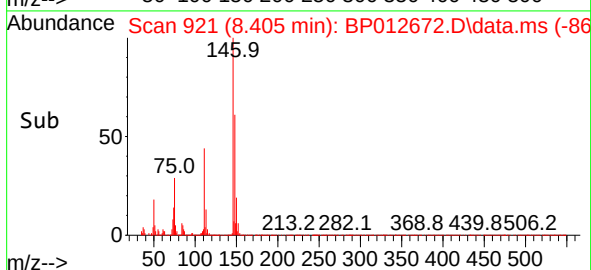
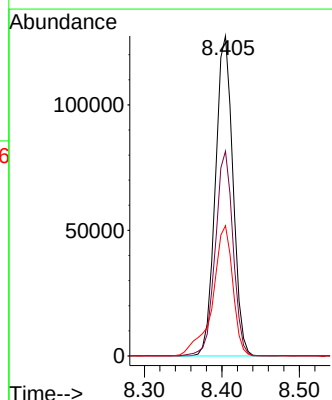
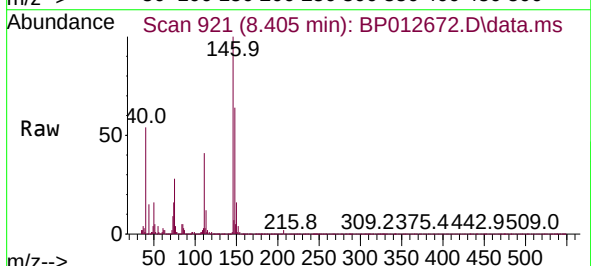
RT: 8.405 min Scan# 921

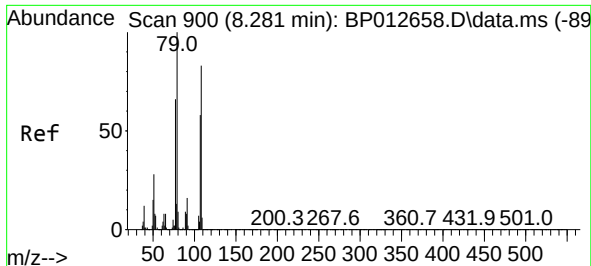
Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

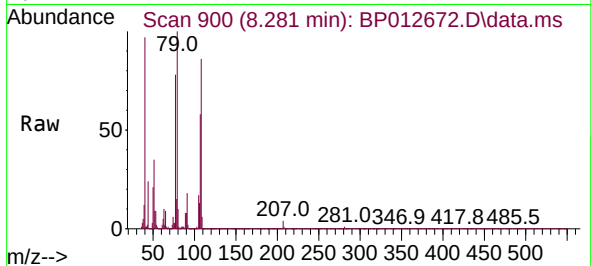
Tgt Ion:	146	Resp:	199800
Ion Ratio	Lower	Upper	
146	100		
148	64.0	52.1	78.1
111	40.7	32.8	49.2





#15
Benzyl Alcohol
Concen: 8.557 ng
RT: 8.281 min Scan# 900
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

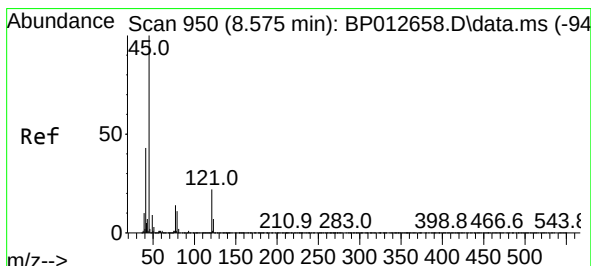
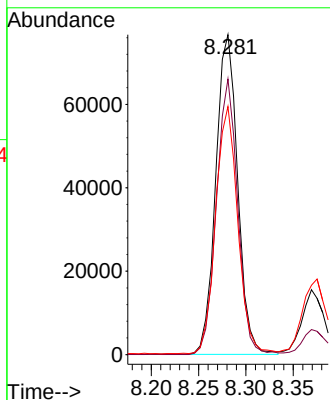
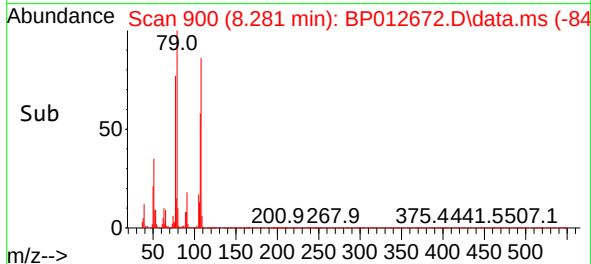
Instrument :
BNA_P
Client Sample Id :
LOQ-SOIL-02-QT4-2022



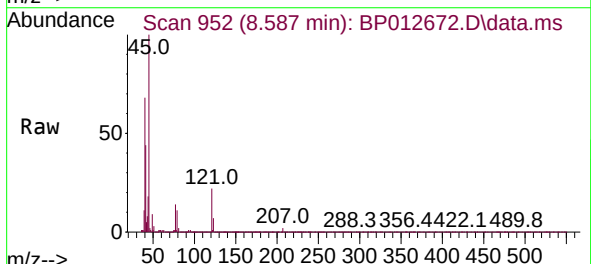
Tgt Ion: 79 Resp: 123094
Ion Ratio Lower Upper
79 100
108 86.1 66.4 99.6
77 77.6 53.2 79.8

Manual Integrations
APPROVED

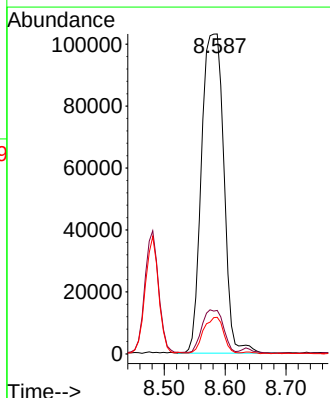
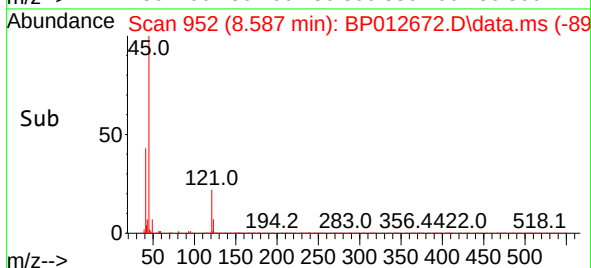
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

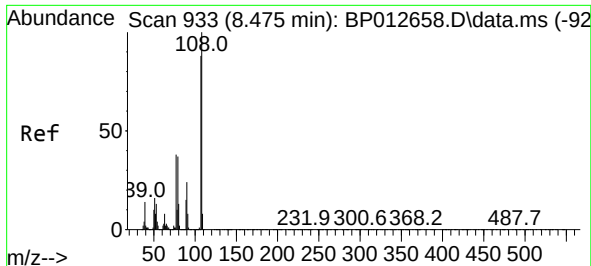


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.710 ng
RT: 8.587 min Scan# 952
Delta R.T. 0.012 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



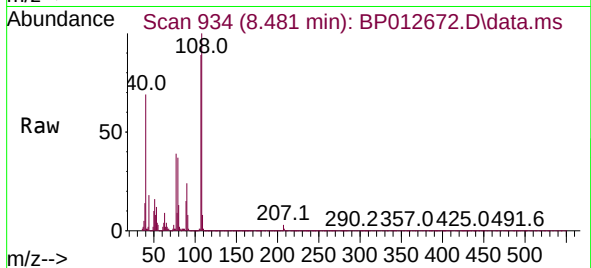
Tgt Ion: 45 Resp: 261821
Ion Ratio Lower Upper
45 100
77 13.6 0.0 33.8
79 11.4 0.0 30.7





#17
2-Methylphenol
Concen: 9.329 ng
RT: 8.481 min Scan# 934
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

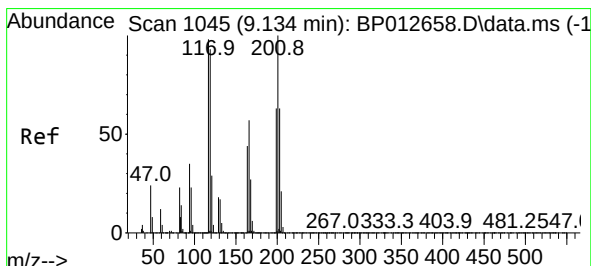
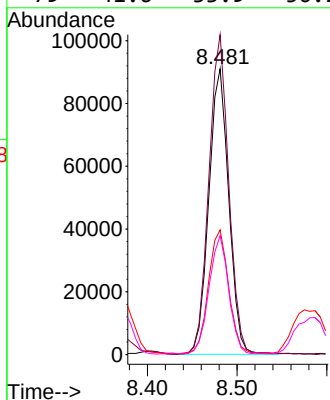
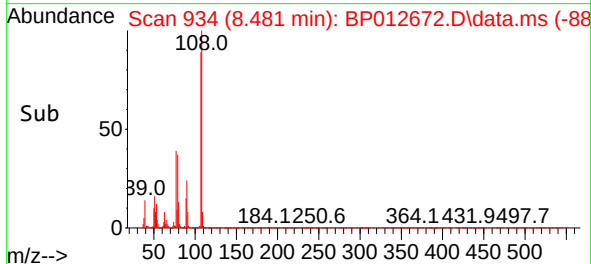
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



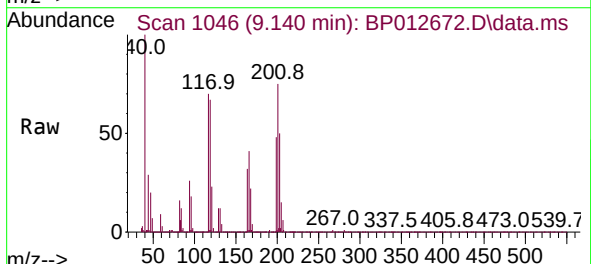
Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.9	91.0	136.6
77	43.6	35.1	52.7
79	41.6	33.9	50.9

Manual Integrations
APPROVED

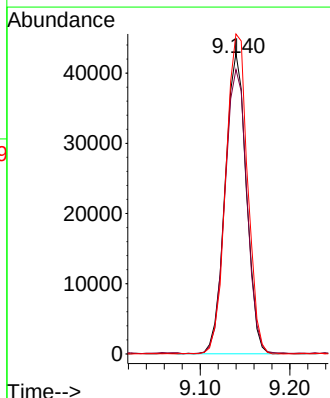
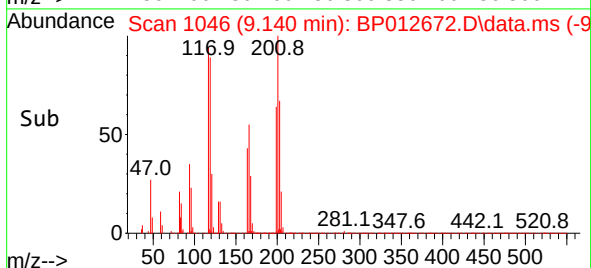
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

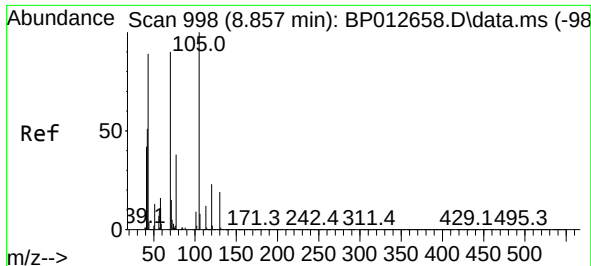


#18
Hexachloroethane
Concen: 10.935 ng
RT: 9.140 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.1	114.1
201	106.4	81.8	122.8





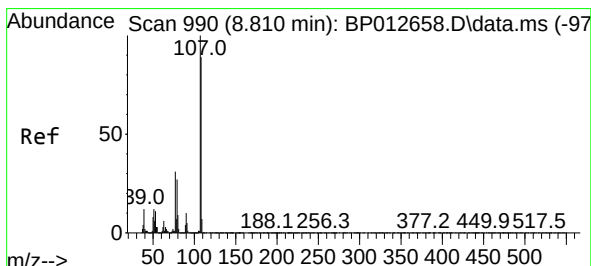
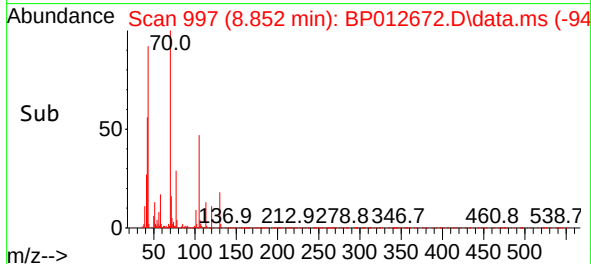
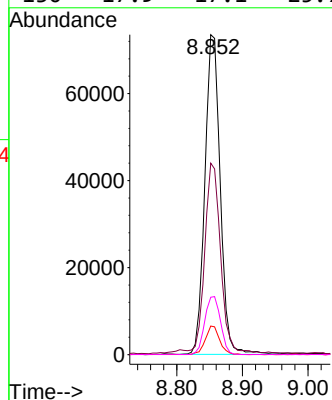
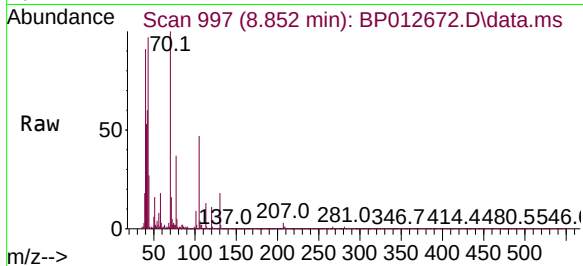
#19
n-Nitroso-di-n-propylamine
Concen: 9.096 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion: 70 Resp: 119362
Ion Ratio Lower Upper
70 100
42 59.8 46.4 69.6
101 8.9 7.6 11.4
130 17.9 17.1 25.7

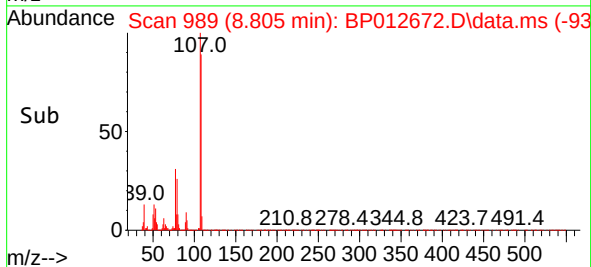
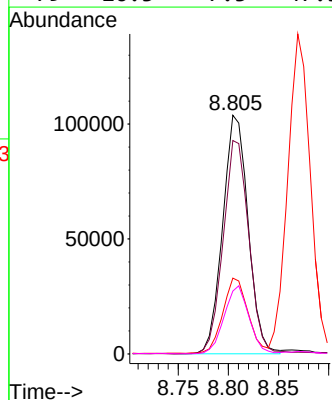
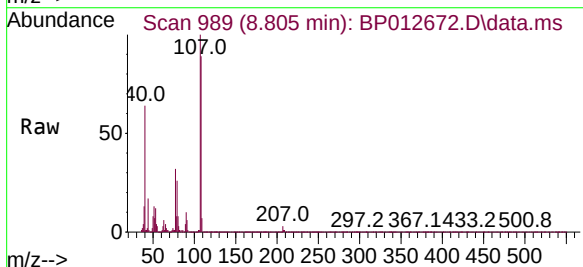
Manual Integrations
APPROVED

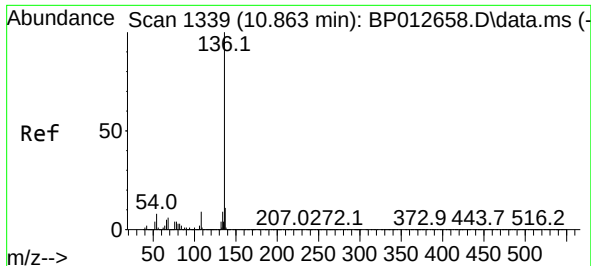
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 8.679 ng
RT: 8.805 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

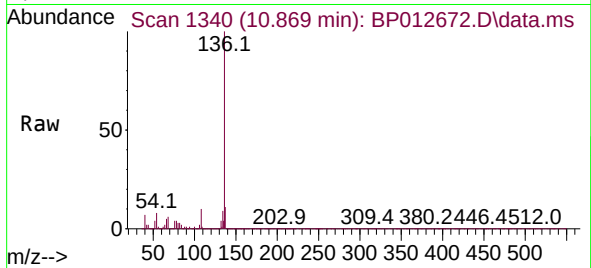
Tgt Ion:107 Resp: 183381
Ion Ratio Lower Upper
107 100
108 89.4 69.1 109.1
77 31.8 10.8 50.8
79 26.3 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.869 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

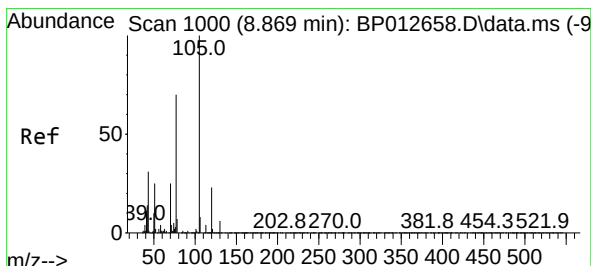
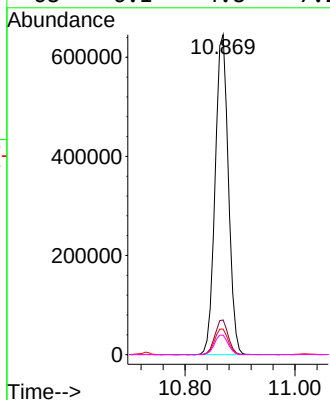
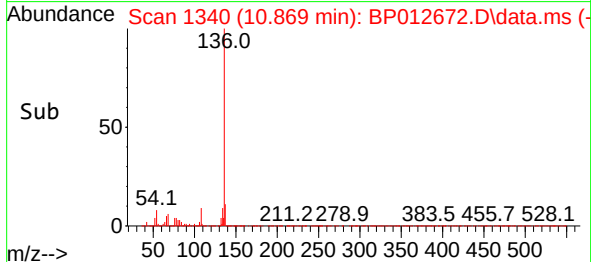
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:136 Resp: 1075610
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.0 6.3 9.5
68 6.1 4.8 7.2

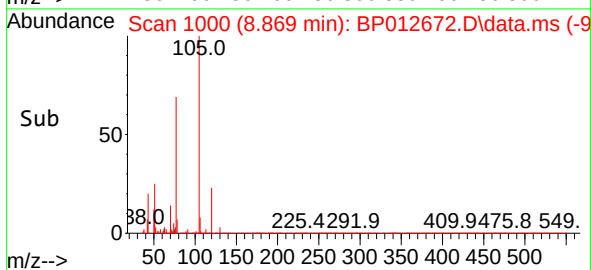
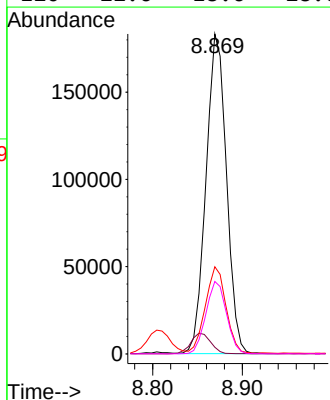
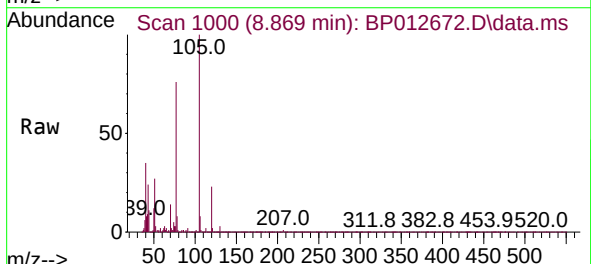
Manual Integrations
APPROVED

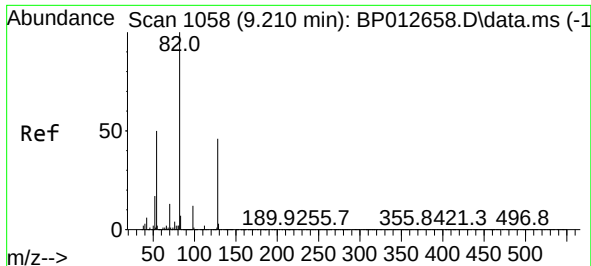
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#22
Acetophenone
Concen: 10.859 ng
RT: 8.869 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:105 Resp: 291546
Ion Ratio Lower Upper
105 100
71 2.1 3.1 4.7#
51 27.2 21.4 32.2
120 22.6 18.6 28.0





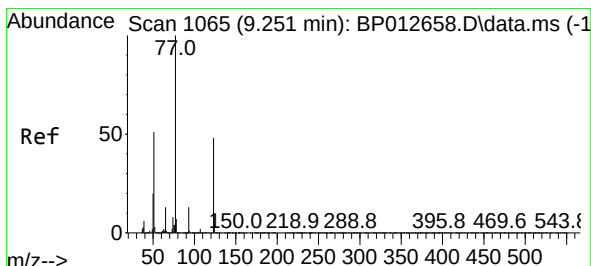
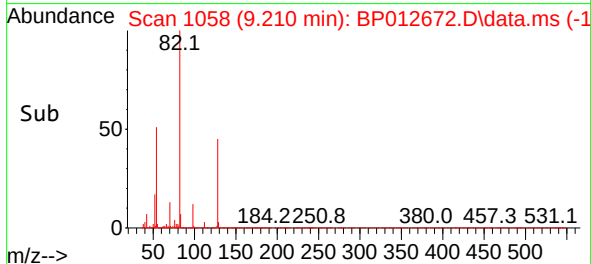
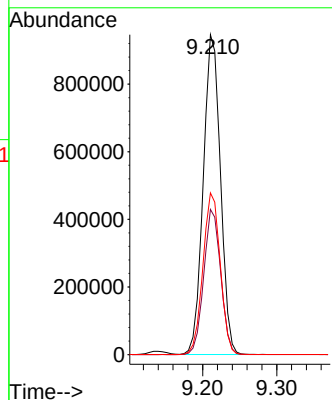
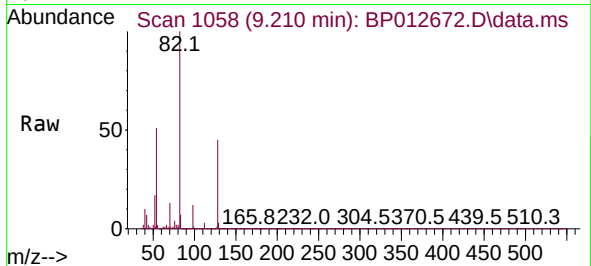
#23
Nitrobenzene-d5
Concen: 89.192 ng
RT: 9.210 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion: 82 Resp: 1525823
Ion Ratio Lower Upper
82 100
128 45.4 36.5 54.7
54 50.5 39.9 59.9

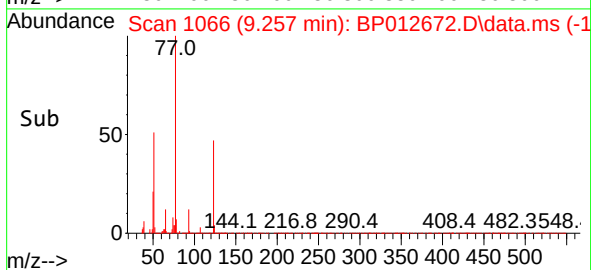
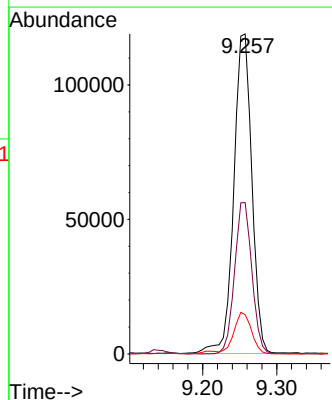
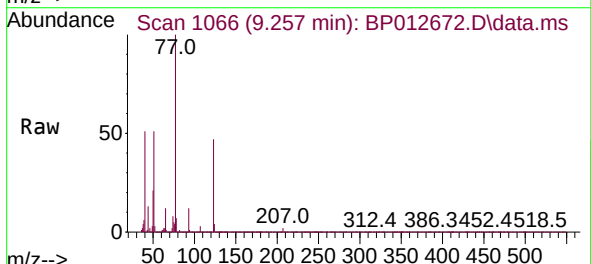
Manual Integrations
APPROVED

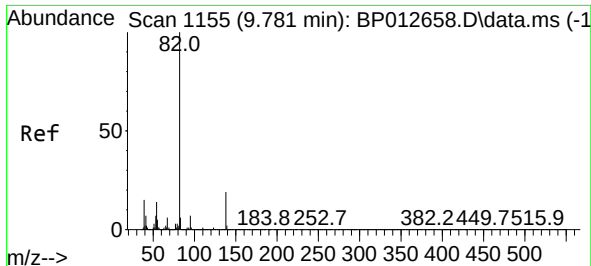
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 10.896 ng
RT: 9.257 min Scan# 1066
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

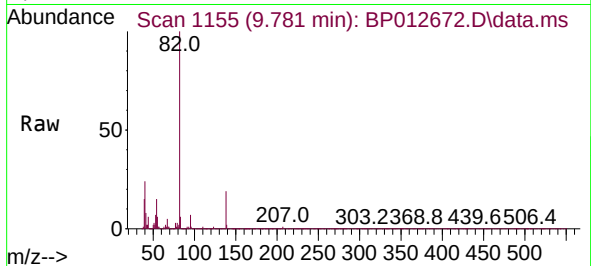
Tgt Ion: 77 Resp: 201281
Ion Ratio Lower Upper
77 100
123 47.3 38.7 58.1
65 12.2 10.6 15.8





#25
Isophorone
Concen: 10.195 ng
RT: 9.781 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

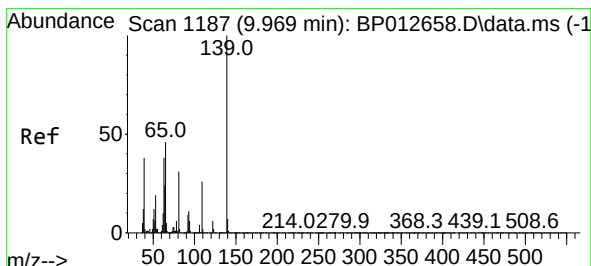
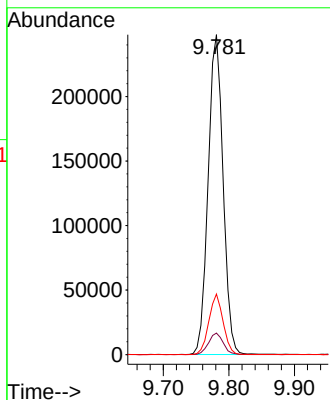
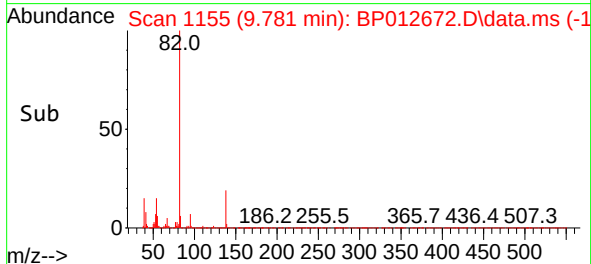
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 82 Resp: 392320
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 18.9 14.9 22.3

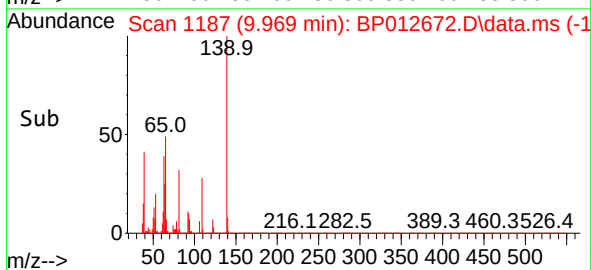
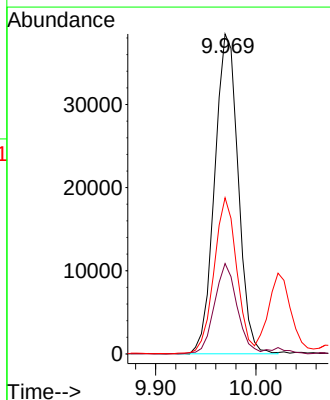
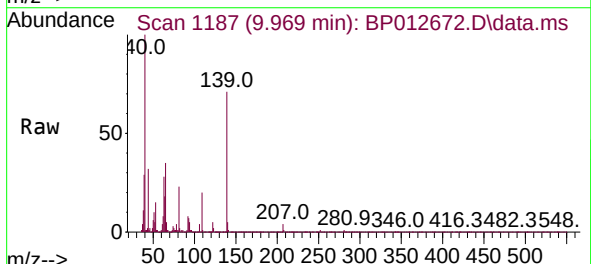
Manual Integrations
APPROVED

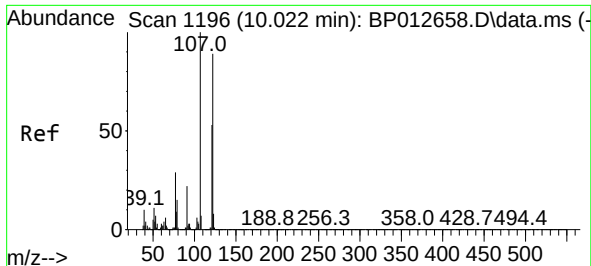
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 7.834 ng
RT: 9.969 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

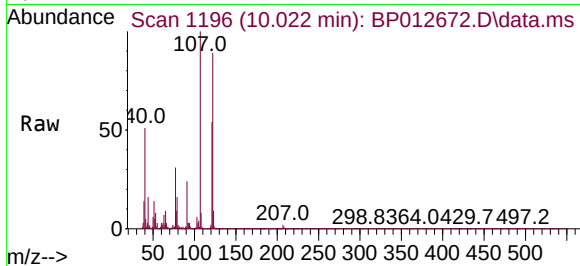
Tgt Ion:139 Resp: 62753
Ion Ratio Lower Upper
139 100
109 28.2 20.9 31.3
65 48.8 36.6 54.8





#27
2,4-Dimethylphenol
Concen: 10.054 ng
RT: 10.022 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

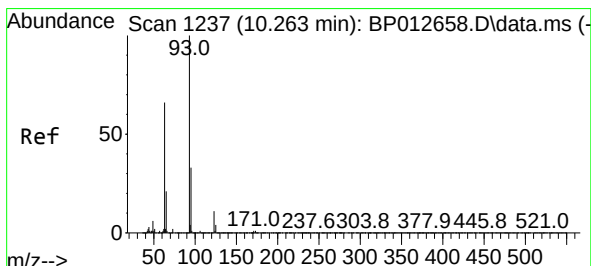
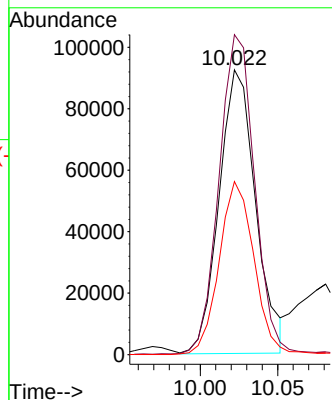
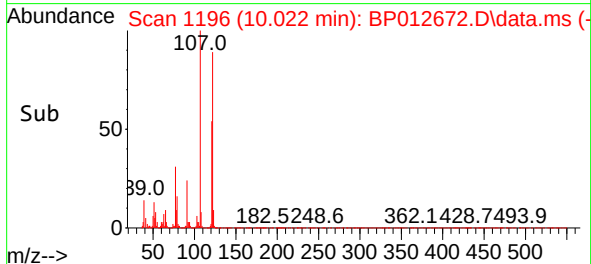
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



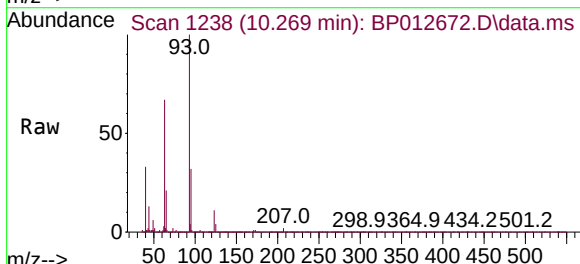
Tgt Ion:122 Resp: 151993
Ion Ratio Lower Upper
122 100
107 112.4 89.2 133.8
121 60.8 47.1 70.7

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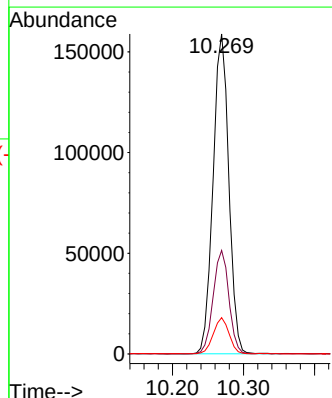
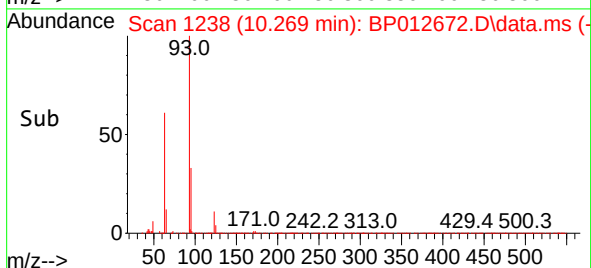
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

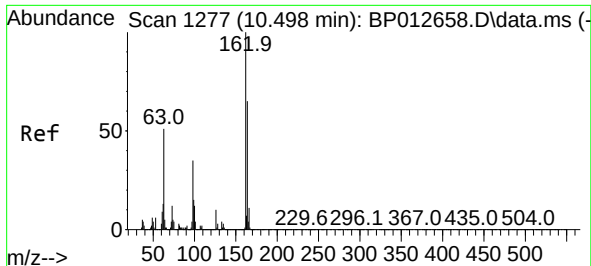


#28
bis(2-Chloroethoxy)methane
Concen: 11.182 ng
RT: 10.269 min Scan# 1238
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



Tgt Ion: 93 Resp: 244743
Ion Ratio Lower Upper
93 100
95 32.3 26.2 39.4
123 11.3 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 9.159 ng

RT: 10.504 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

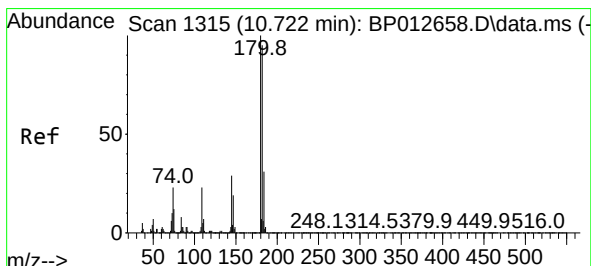
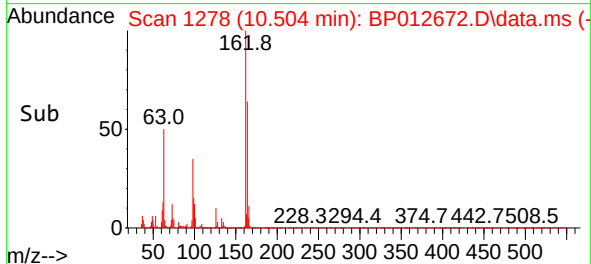
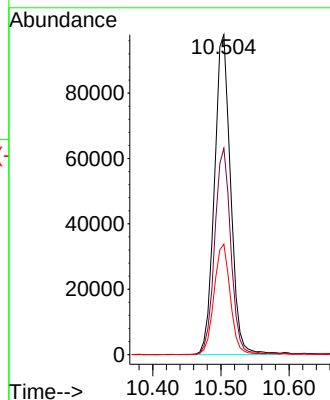
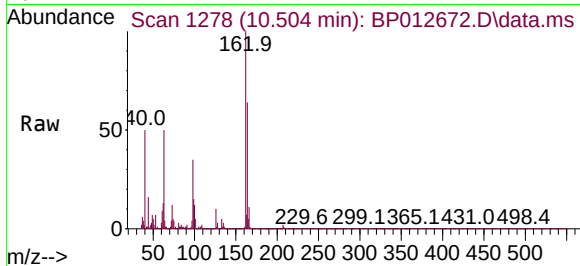
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.7	84.7
98	34.5	14.9	54.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 10.230 ng

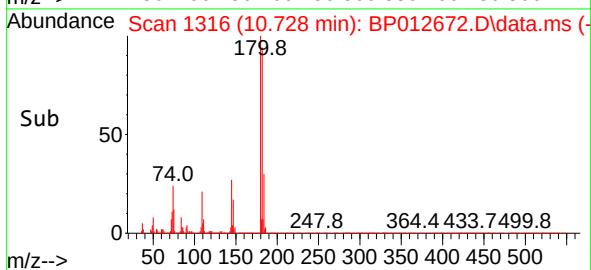
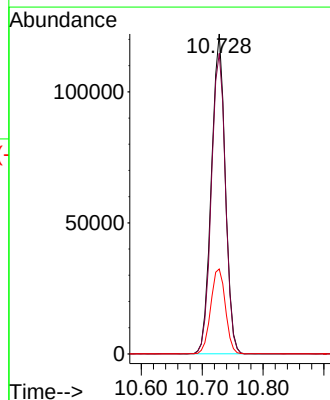
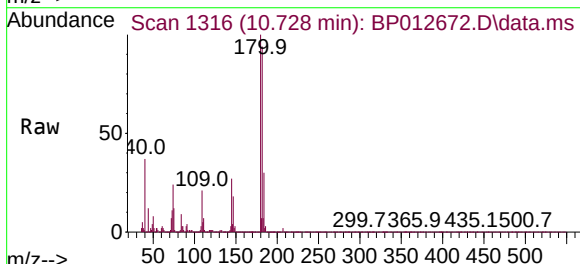
RT: 10.728 min Scan# 1316

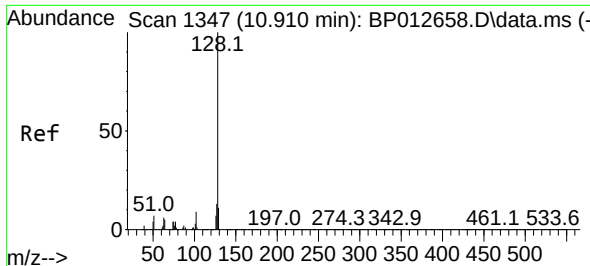
Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

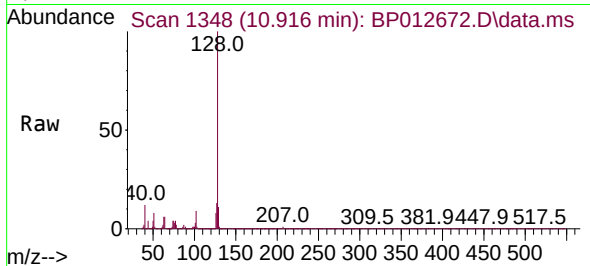
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.1	114.1
145	26.5	23.0	34.4





#31
Naphthalene
Concen: 10.263 ng
RT: 10.916 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

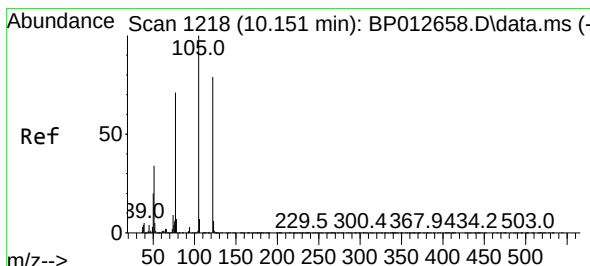
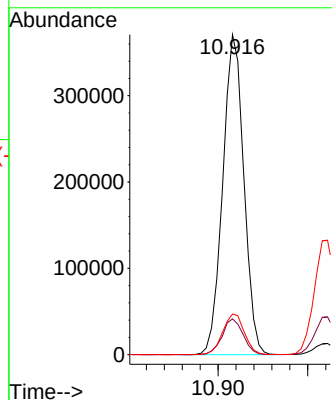
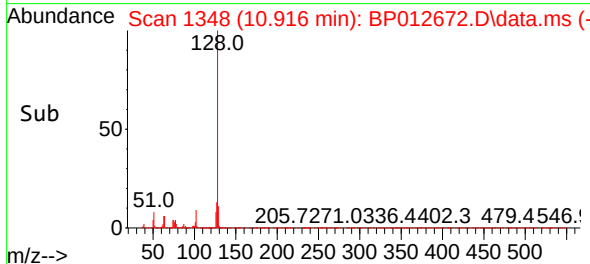
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 606872
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.7 10.5 15.7

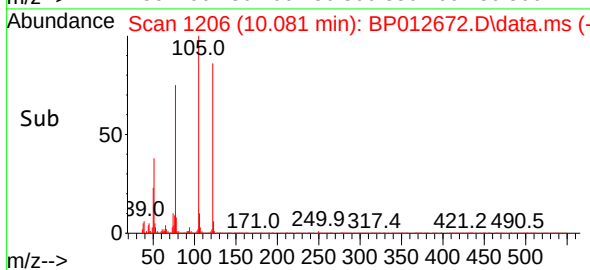
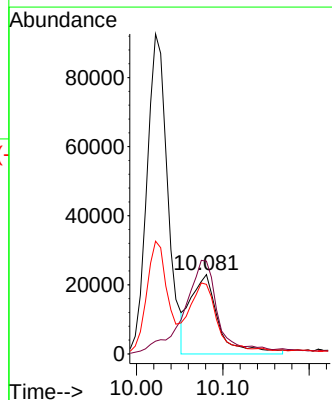
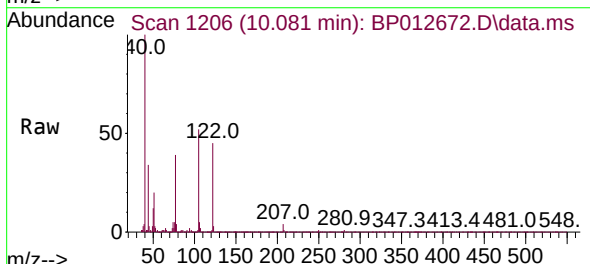
Manual Integrations
APPROVED

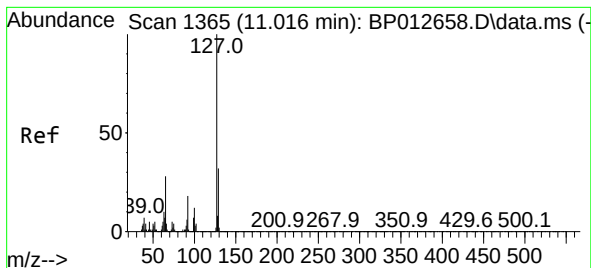
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 4.421 ng m
RT: 10.081 min Scan# 1206
Delta R.T. -0.070 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

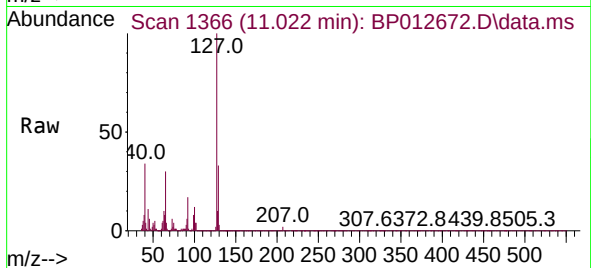
Tgt Ion:122 Resp: 52326
Ion Ratio Lower Upper
122 100
105 116.9 101.1 141.1
77 87.7 67.6 107.6





#33
4-Chloroaniline
Concen: 9.215 ng
RT: 11.022 min Scan# 1365
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

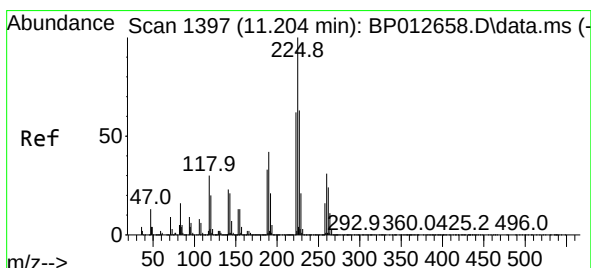
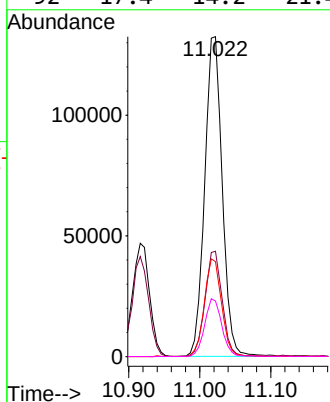
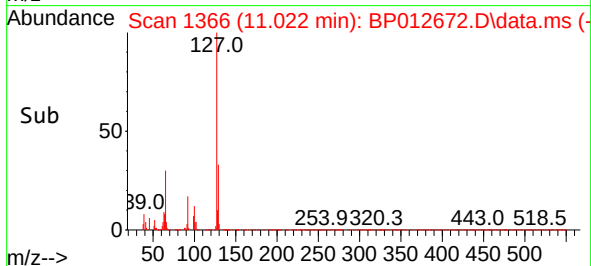
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.4	38.0
65	29.7	22.6	33.8
92	17.4	14.2	21.4

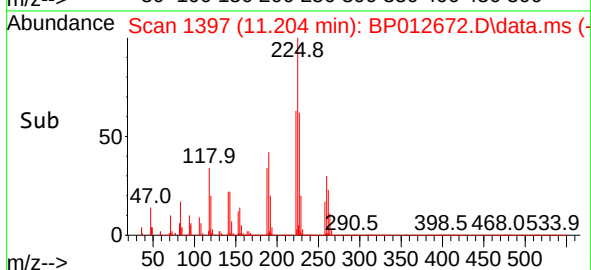
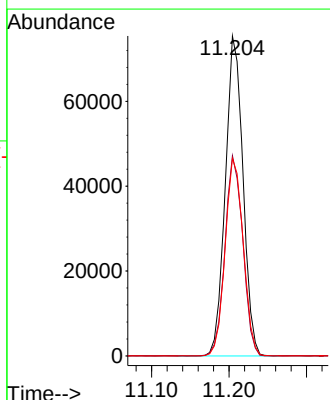
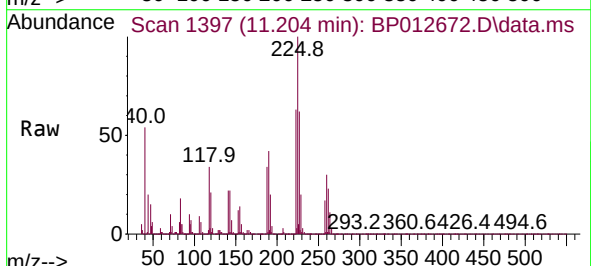
Manual Integrations
APPROVED

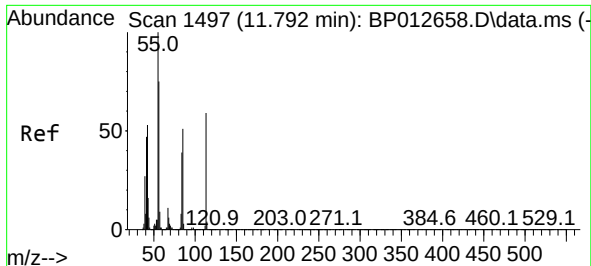
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 10.718 ng
RT: 11.204 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

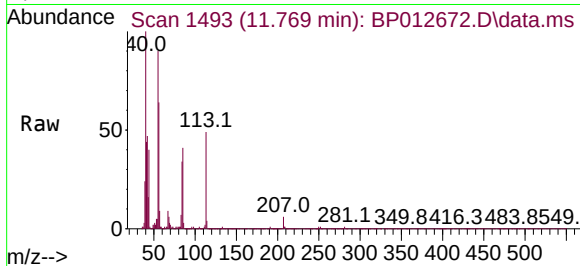
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.6	74.4
227	61.7	50.0	75.0





#35
Caprolactam
Concen: 7.816 ng m
RT: 11.769 min Scan# 1493
Delta R.T. -0.023 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

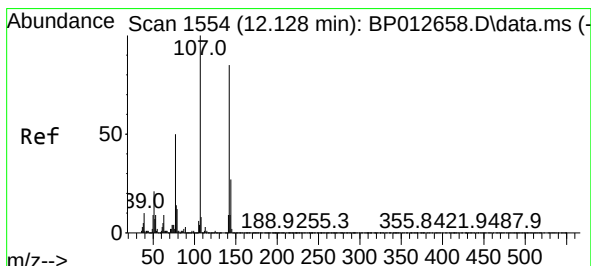
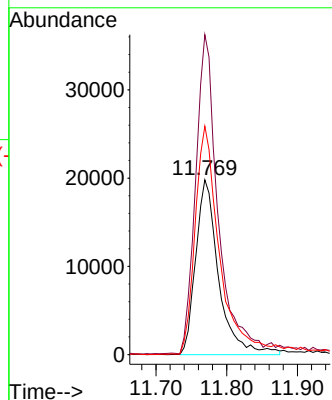
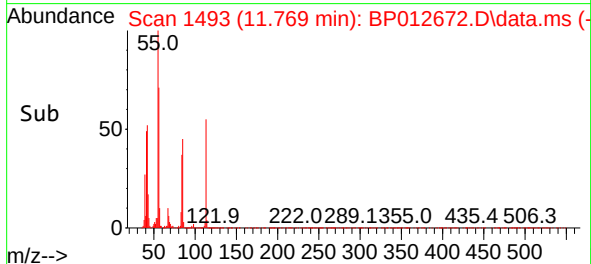
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



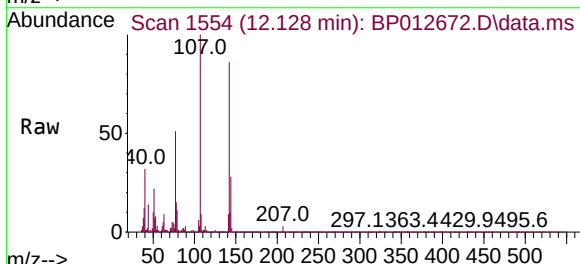
Tgt Ion:113 Resp: 44719
Ion Ratio Lower Upper
113 100
55 183.1 149.2 189.2
56 130.7 106.9 146.9

Manual Integrations
APPROVED

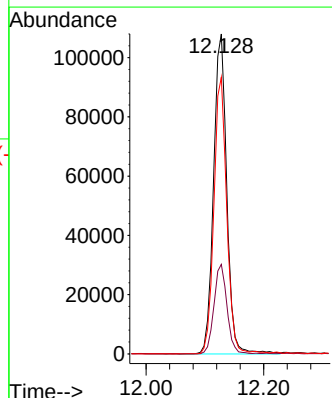
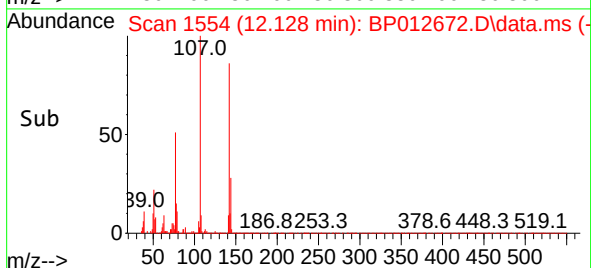
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

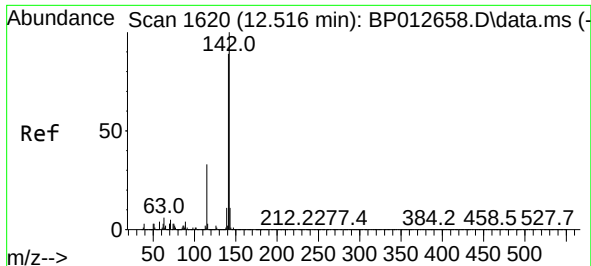


#36
4-Chloro-3-methylphenol
Concen: 8.901 ng
RT: 12.128 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



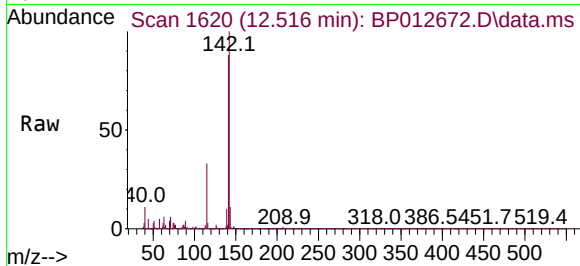
Tgt Ion:107 Resp: 167871
Ion Ratio Lower Upper
107 100
144 28.0 21.9 32.9
142 86.4 68.1 102.1





#37
2-Methylnaphthalene
Concen: 10.199 ng
RT: 12.516 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

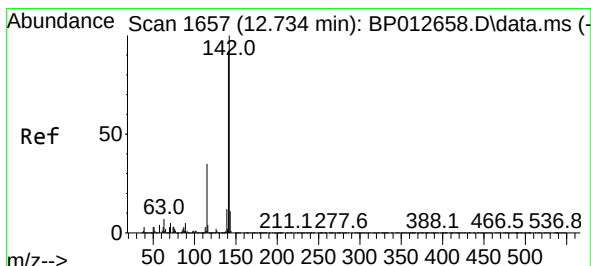
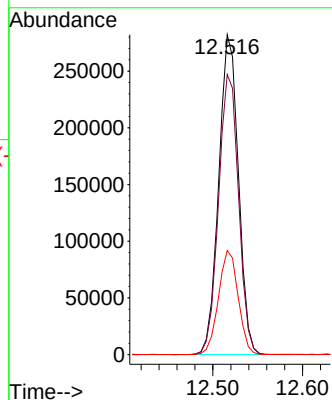
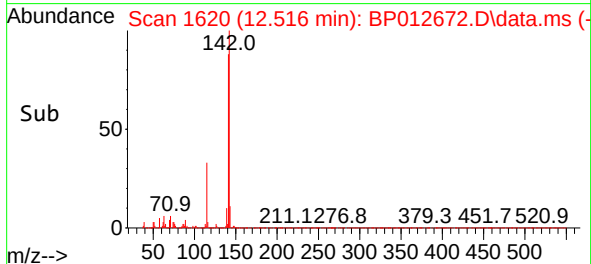
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



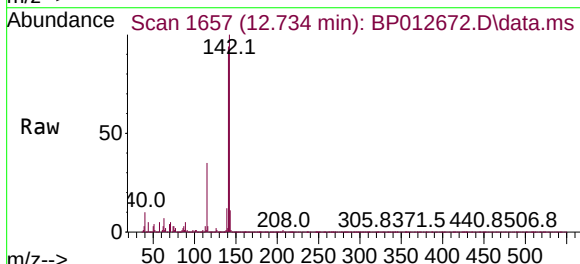
Tgt Ion:142 Resp: 431264
Ion Ratio Lower Upper
142 100
141 87.5 71.0 106.6
115 32.5 26.2 39.4

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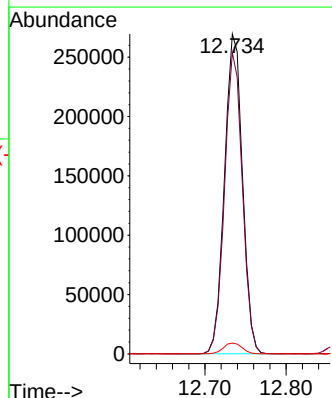
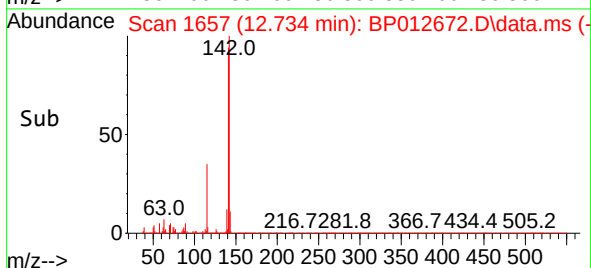
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

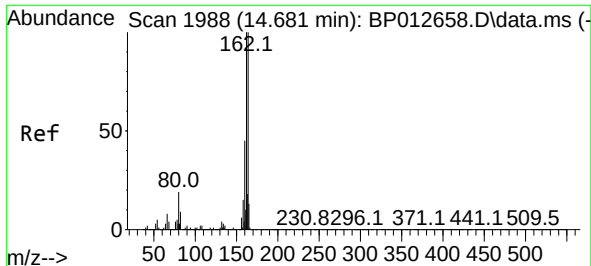


#38
1-Methylnaphthalene
Concen: 9.983 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



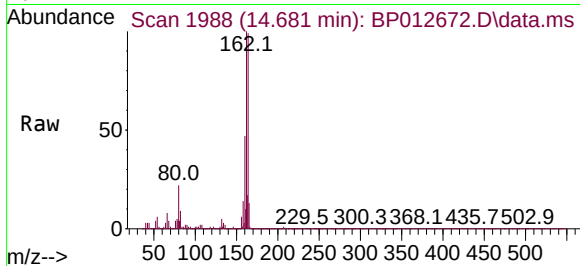
Tgt Ion:142 Resp: 414810
Ion Ratio Lower Upper
142 100
141 94.2 73.9 110.9
116 3.4 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

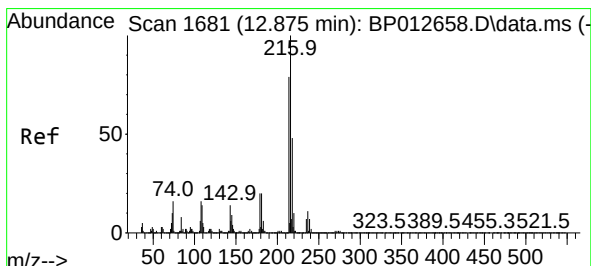
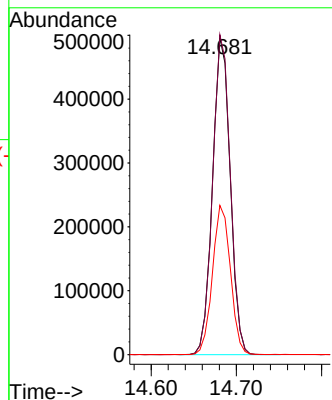
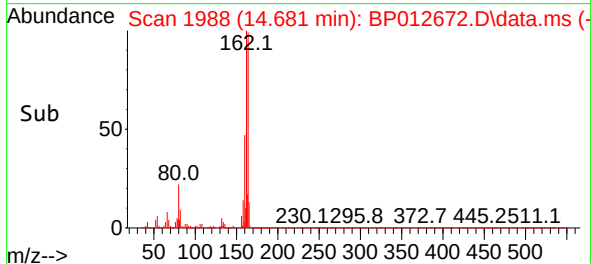
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:164 Resp: 714619
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 47.1 36.2 54.4

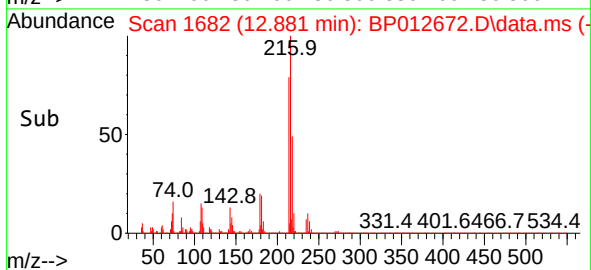
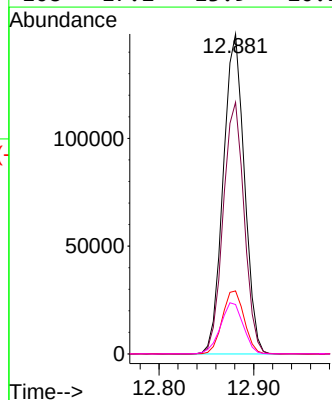
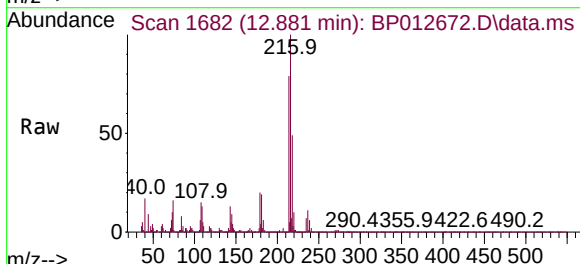
Manual Integrations
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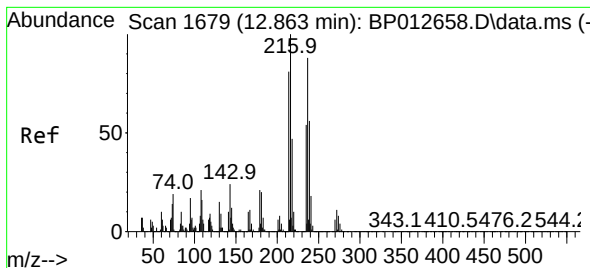
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.039 ng
RT: 12.881 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:216 Resp: 230085
Ion Ratio Lower Upper
216 100
214 78.1 62.5 93.7
179 20.3 16.6 24.8
108 17.2 13.9 20.9





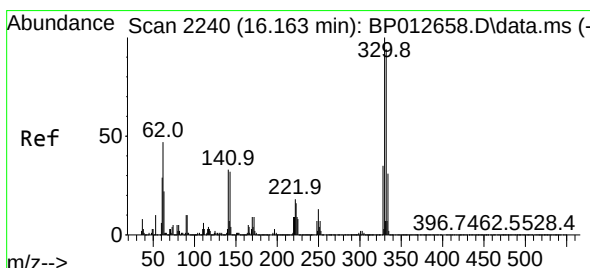
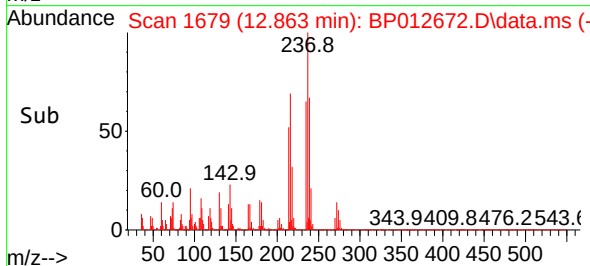
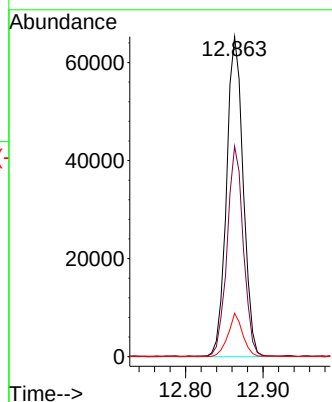
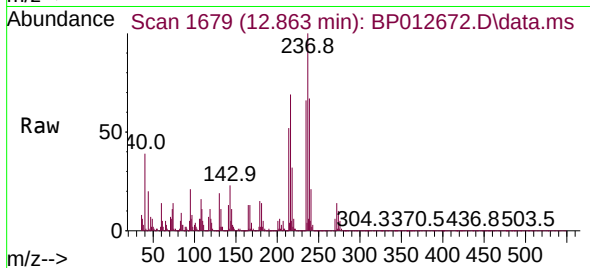
#41
Hexachlorocyclopentadiene
Concen: 12.313 ng
RT: 12.863 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:237 Resp: 9760
Ion Ratio Lower Upper
237 100
235 65.7 41.7 81.7
272 13.5 0.0 32.7

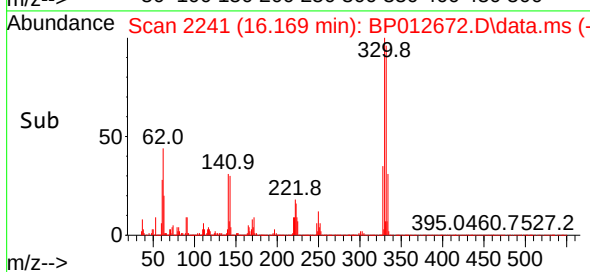
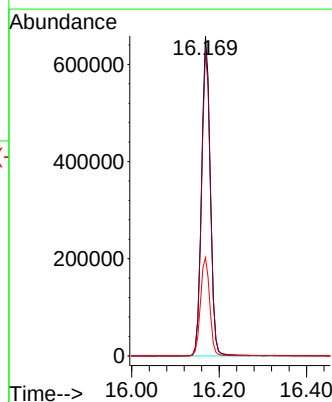
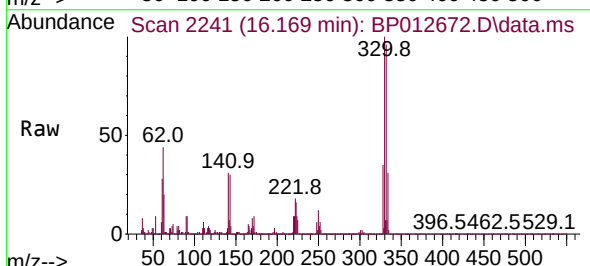
Manual Integrations
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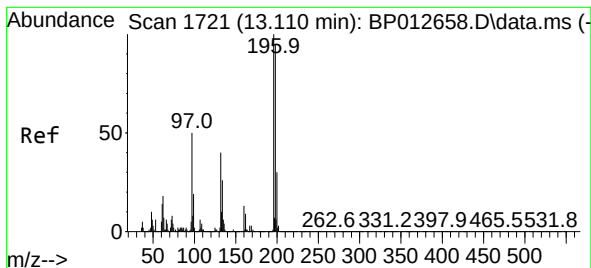
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#42
2,4,6-Tribromophenol
Concen: 111.081 ng
RT: 16.169 min Scan# 2241
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:330 Resp: 908431
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 32.3 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 9.165 ng

RT: 13.110 min Scan# 1721

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:196 Resp: 135996

Ion Ratio Lower Upper

196 100

198 95.3 75.8 113.6

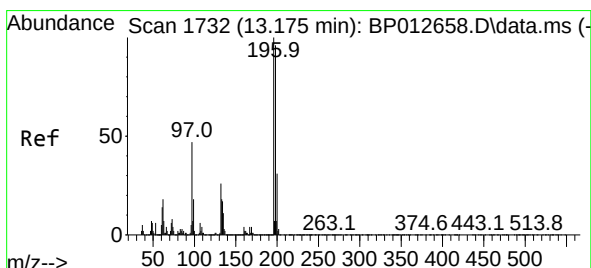
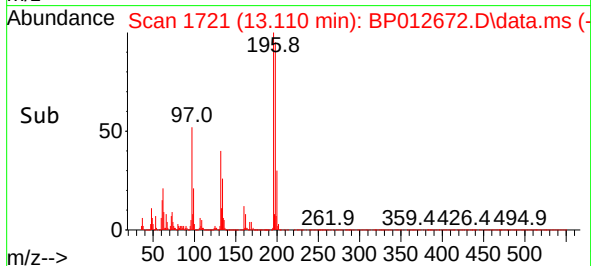
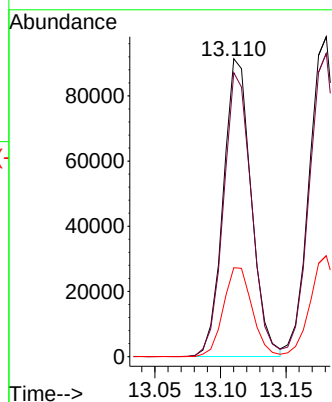
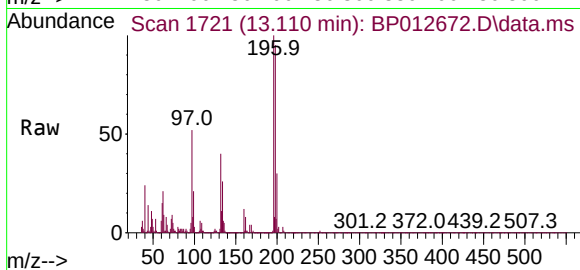
200 29.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#44

2,4,5-Trichlorophenol

Concen: 8.977 ng

RT: 13.181 min Scan# 1733

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Tgt Ion:196 Resp: 147388

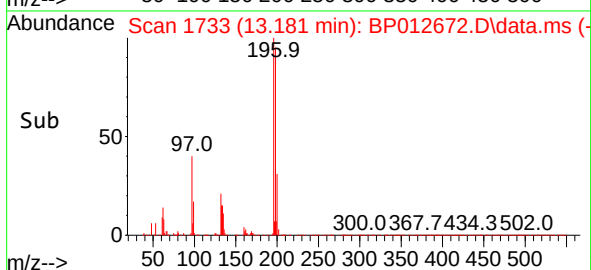
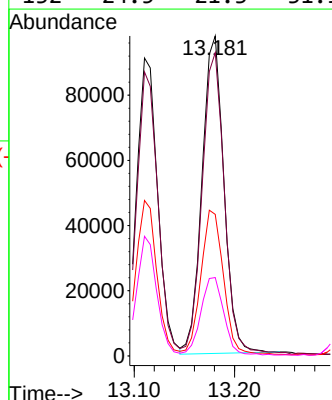
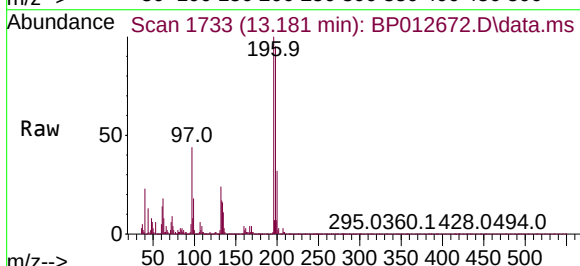
Ion Ratio Lower Upper

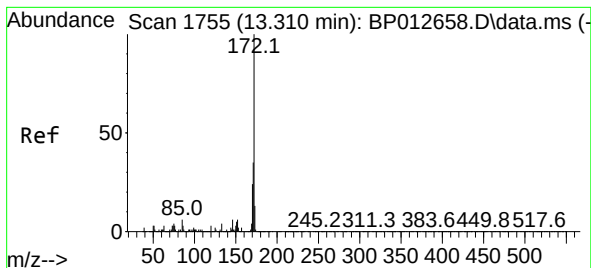
196 100

198 94.8 76.4 114.6

97 44.2 37.5 56.3

132 24.5 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 85.554 ng

RT: 13.310 min Scan# 1755

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:172 Resp: 406328

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

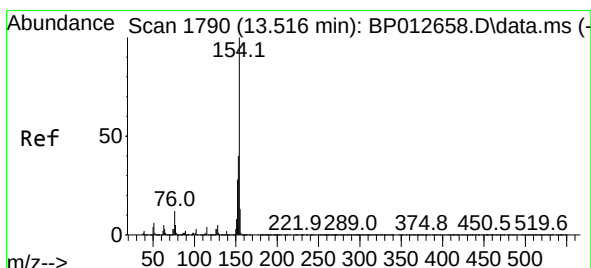
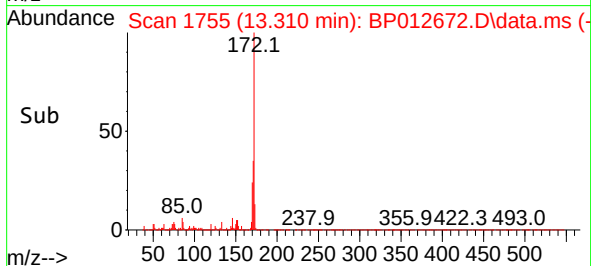
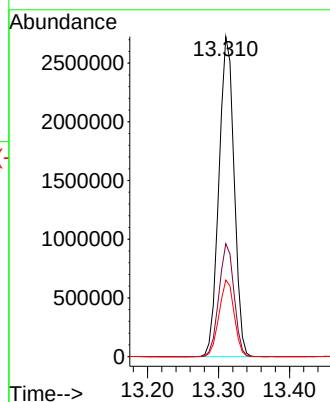
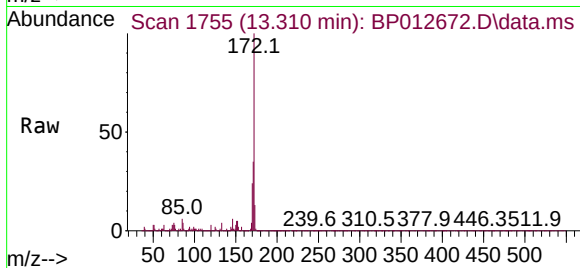
170 23.9 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#46

1,1'-Biphenyl

Concen: 11.009 ng

RT: 13.522 min Scan# 1791

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

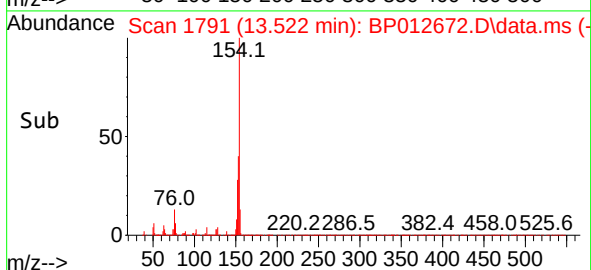
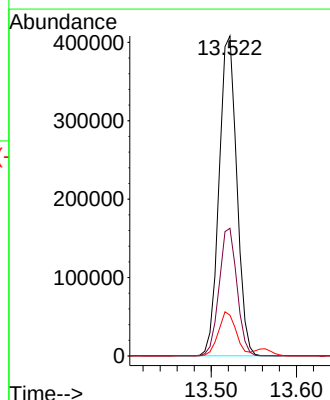
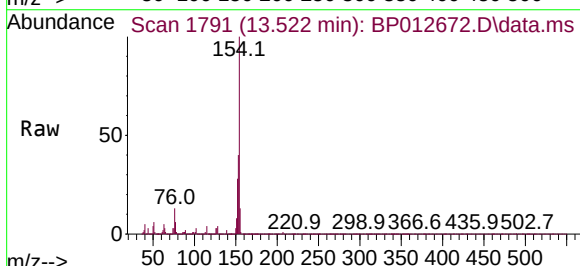
Tgt Ion:154 Resp: 588307

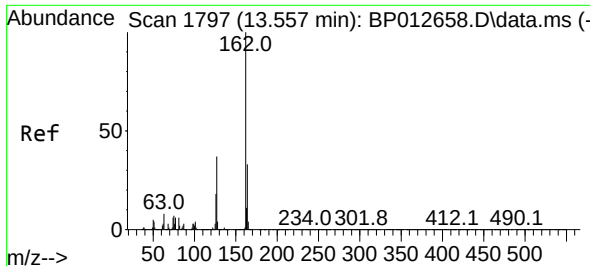
Ion Ratio Lower Upper

154 100

153 39.9 19.6 59.6

76 12.7 0.0 32.4





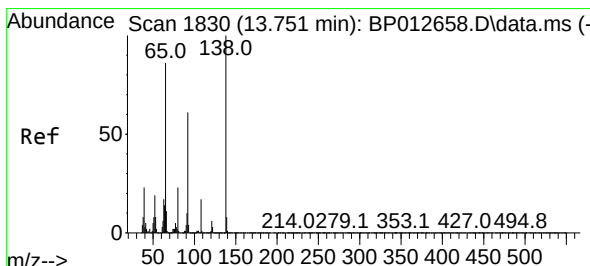
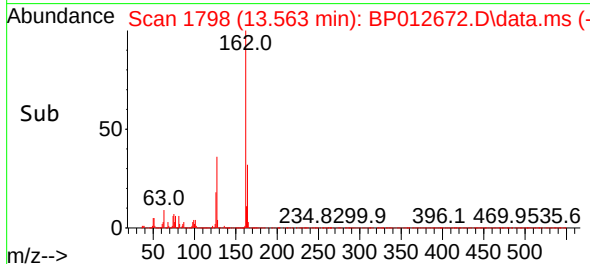
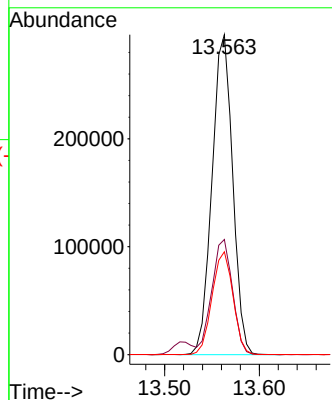
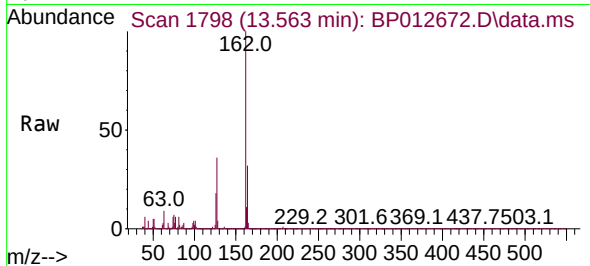
#47
2-Chloronaphthalene
Concen: 10.588 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:162 Resp: 449265
Ion Ratio Lower Upper
162 100
127 36.0 29.4 44.2
164 32.1 26.4 39.6

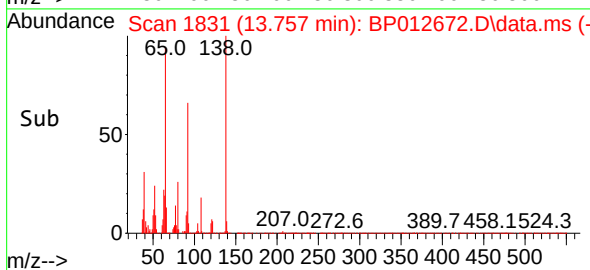
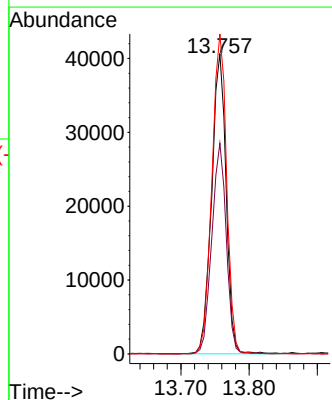
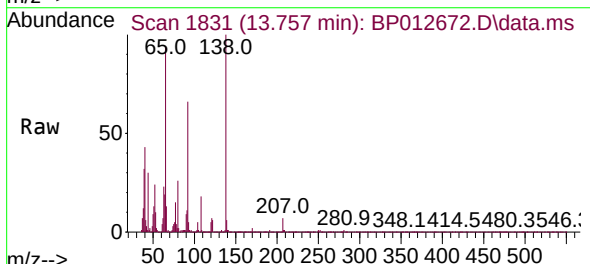
Manual Integrations
APPROVED

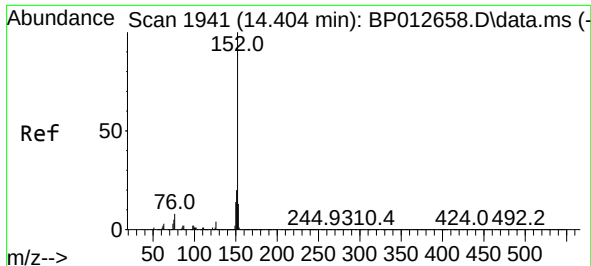
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 7.077 ng
RT: 13.757 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion: 65 Resp: 60095
Ion Ratio Lower Upper
65 100
92 70.1 56.7 85.1
138 106.5 92.7 139.1





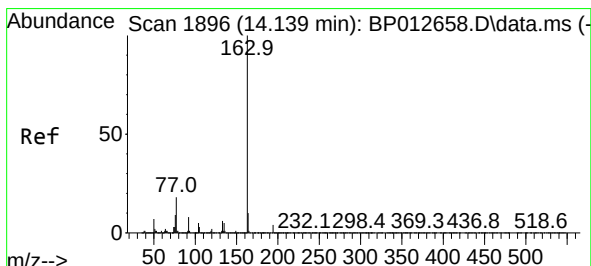
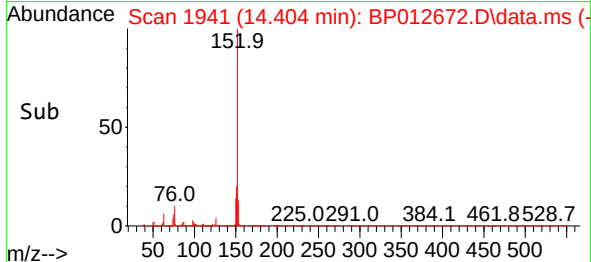
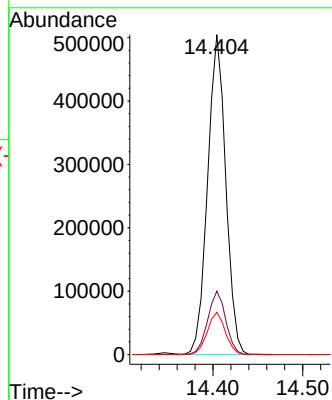
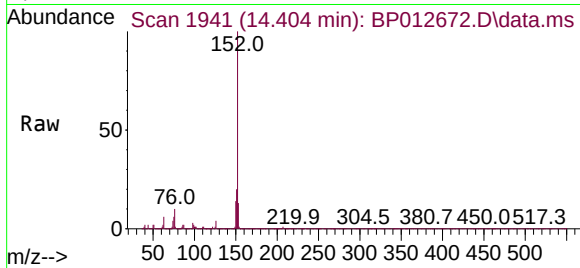
#49
Acenaphthylene
Concen: 10.270 ng
RT: 14.404 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:152 Resp: 711259
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 13.2 10.6 15.8

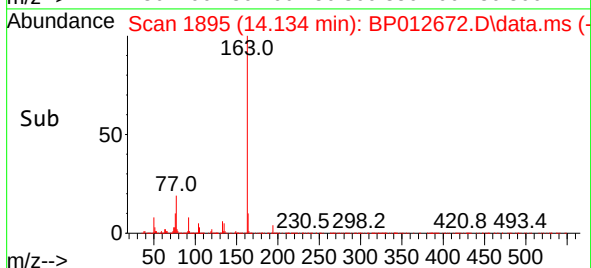
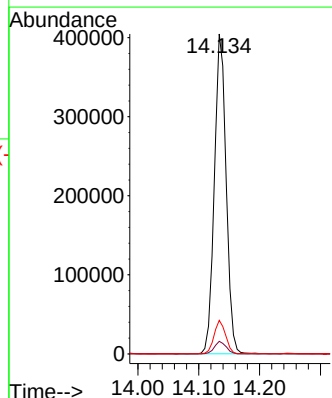
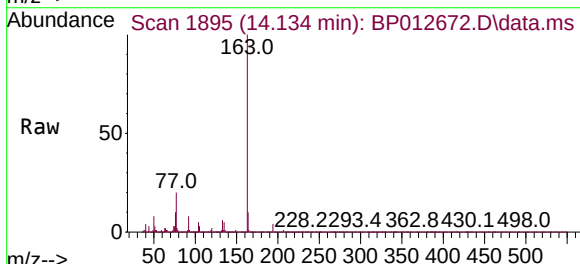
Manual Integrations
APPROVED

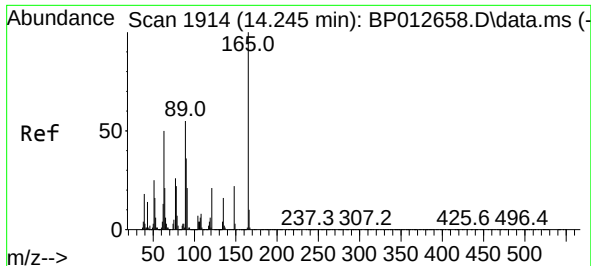
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#50
Dimethylphthalate
Concen: 9.677 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.005 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:163 Resp: 544689
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.5 8.2 12.4





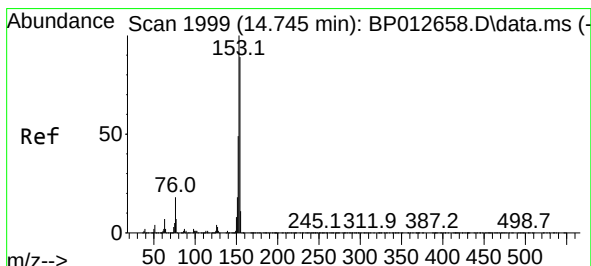
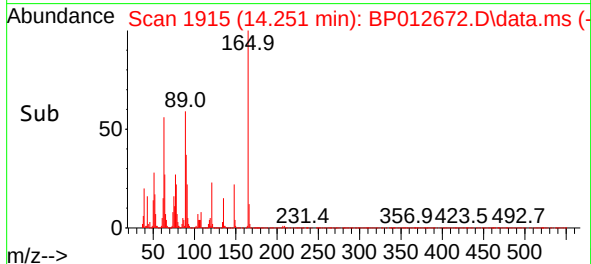
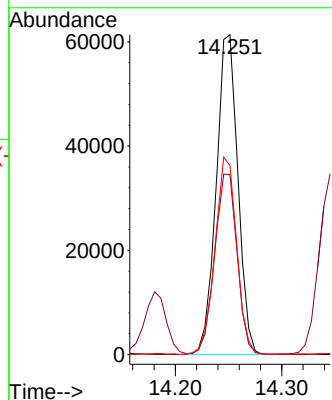
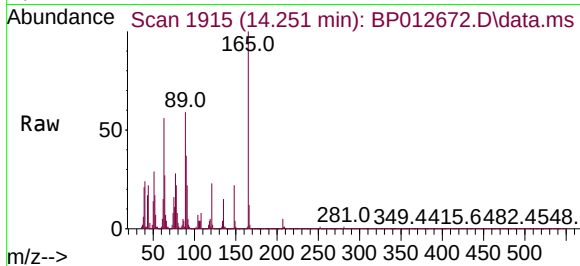
#51
2,6-Dinitrotoluene
Concen: 8.811 ng
RT: 14.251 min Scan# 1915
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:165 Resp: 86973
Ion Ratio Lower Upper
165 100
63 56.3 42.6 63.8
89 59.1 44.0 66.0

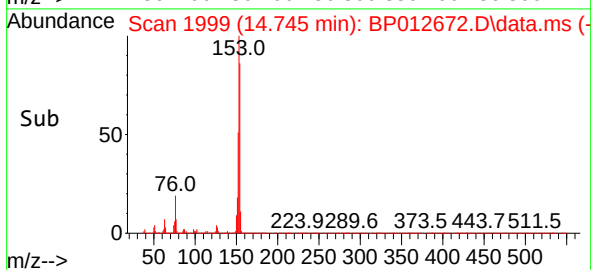
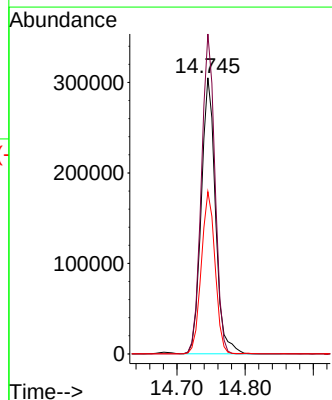
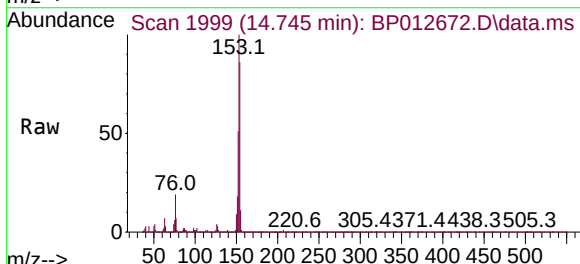
Manual Integrations
APPROVED

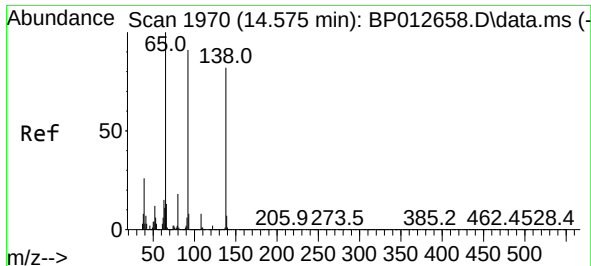
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#52
Acenaphthene
Concen: 9.985 ng
RT: 14.745 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:154 Resp: 441315
Ion Ratio Lower Upper
154 100
153 115.9 90.2 135.2
152 58.7 43.9 65.9





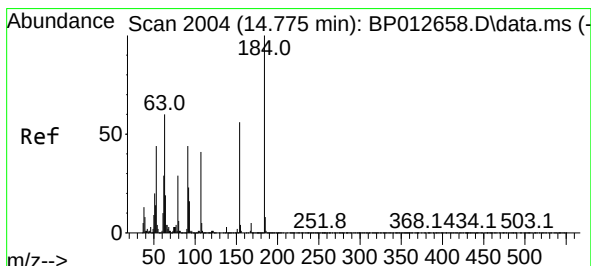
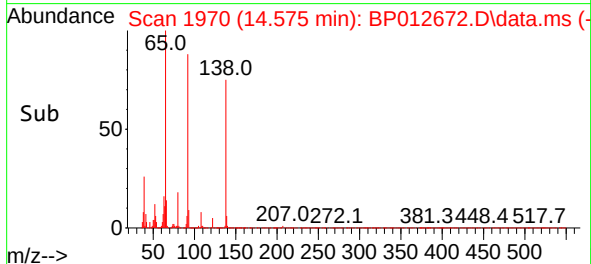
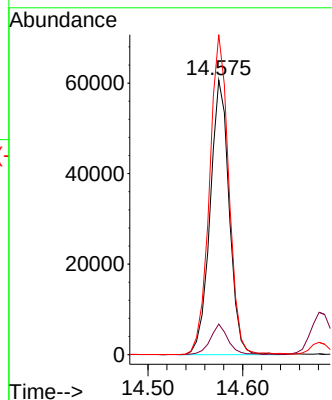
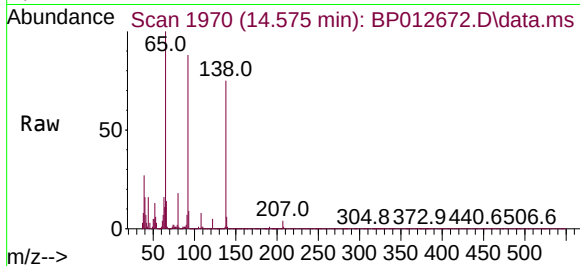
#53
3-Nitroaniline
Concen: 7.519 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:138 Resp: 84994
Ion Ratio Lower Upper
138 100
108 11.1 8.2 12.2
92 116.5 89.1 133.7

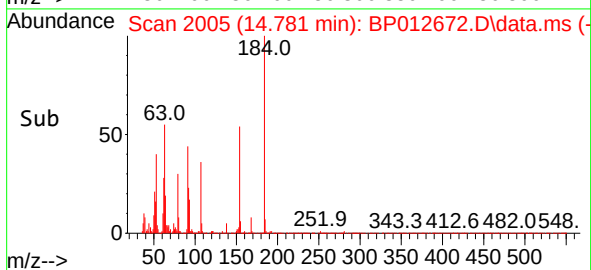
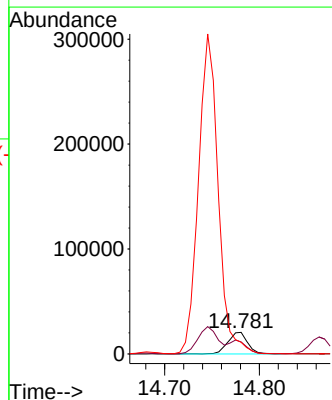
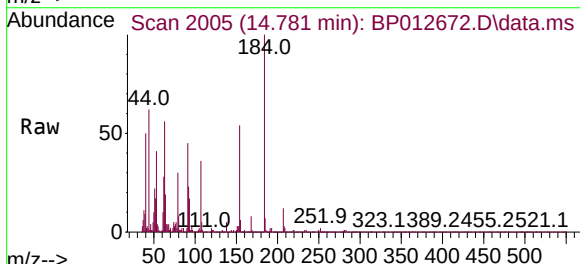
Manual Integrations
APPROVED

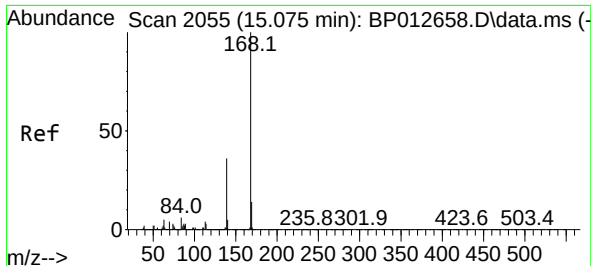
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 5.375 ng
RT: 14.781 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:184 Resp: 29459
Ion Ratio Lower Upper
184 100
63 55.7 48.0 72.0
154 53.7 47.1 70.7





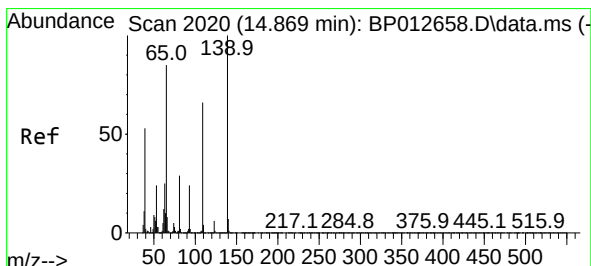
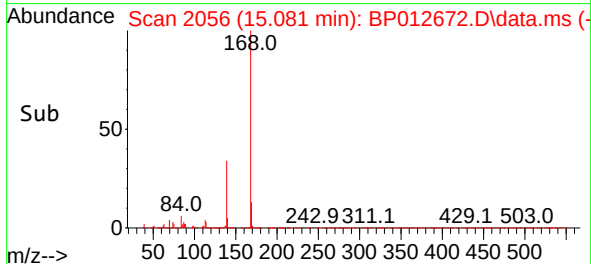
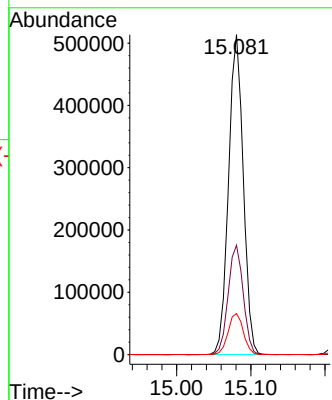
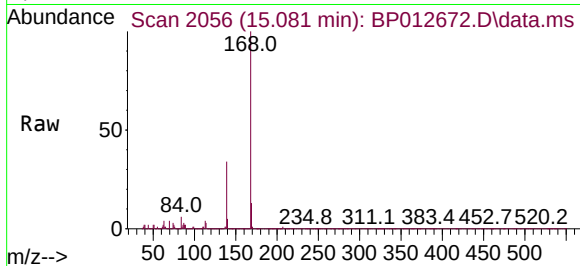
#55
Dibenzofuran
Concen: 10.618 ng
RT: 15.081 min Scan# 2055
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:168 Resp: 708428
Ion Ratio Lower Upper
168 100
139 34.2 29.0 43.6
169 12.8 11.0 16.4

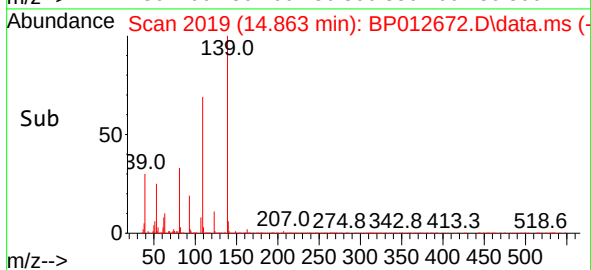
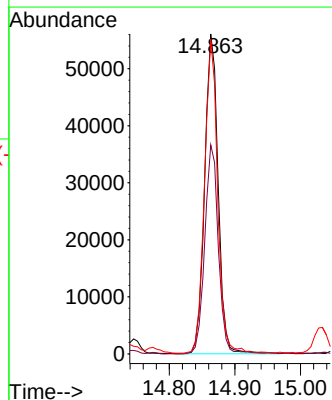
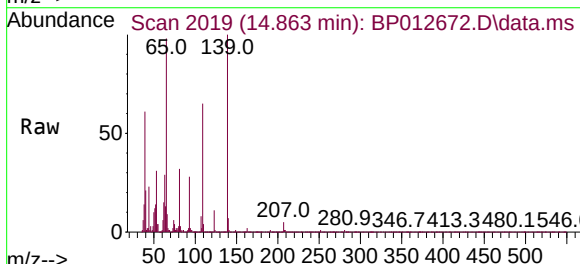
Manual Integrations
APPROVED

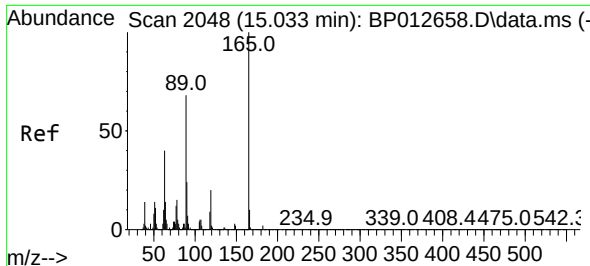
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#56
4-Nitrophenol
Concen: 7.525 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:139 Resp: 79627
Ion Ratio Lower Upper
139 100
109 65.3 45.7 85.7
65 98.3 65.4 105.4





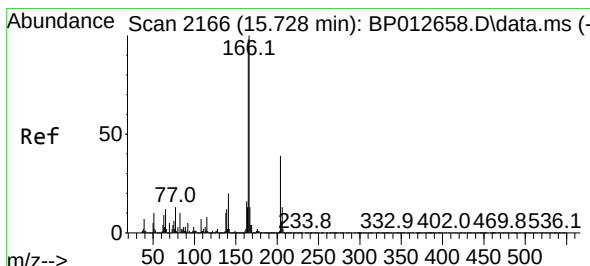
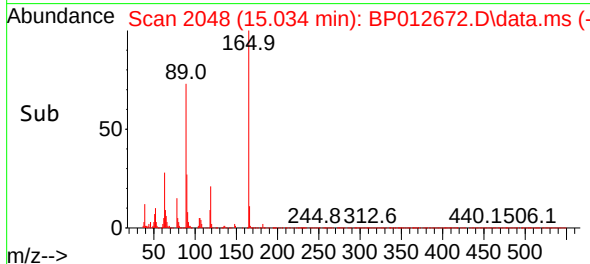
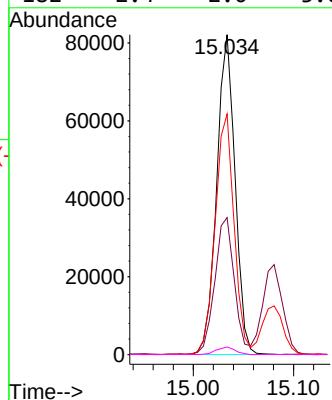
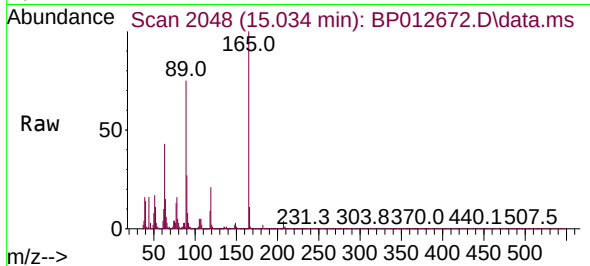
#57
2,4-Dinitrotoluene
Concen: 7.979 ng
RT: 15.034 min Scan# 2048
Delta R.T. 0.001 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:	165	Resp:	10475
Ion Ratio	Lower	Upper	
165	100		
63	42.8	32.0	48.0
89	75.2	54.1	81.1
182	2.4	2.0	3.0

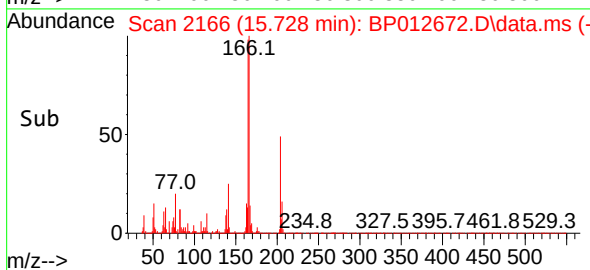
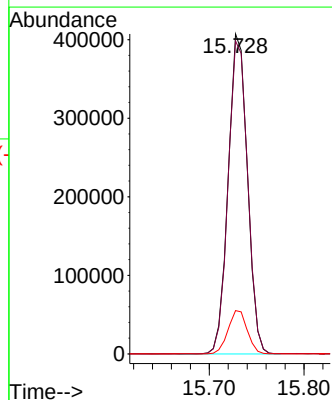
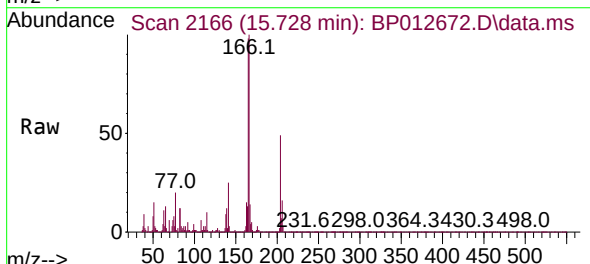
Manual Integrations
APPROVED

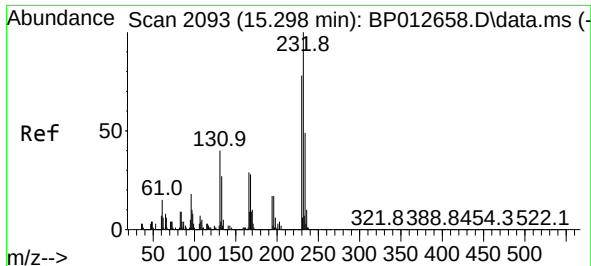
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 10.935 ng
RT: 15.728 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:	166	Resp:	574265
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.8	118.2
167	13.5	10.8	16.2





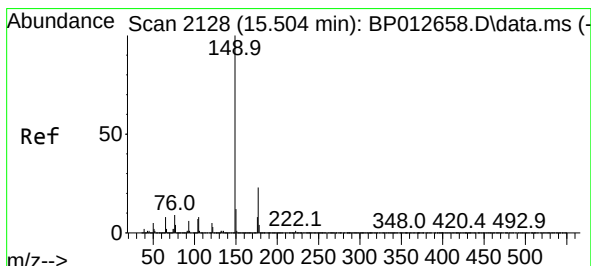
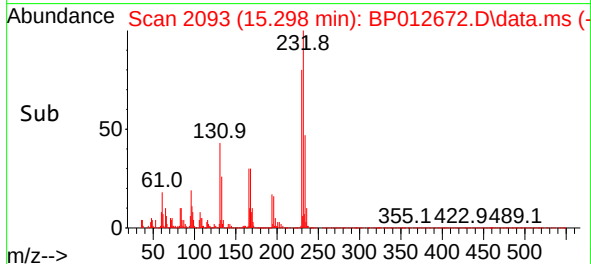
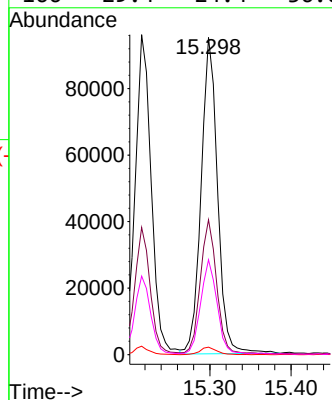
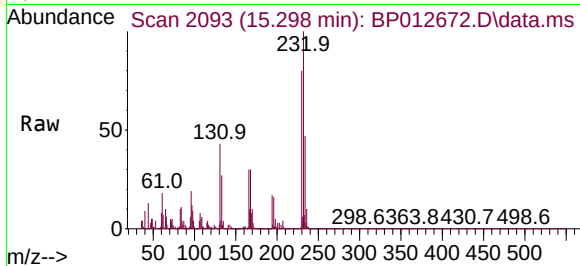
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.064 ng
RT: 15.298 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:232 Resp: 133961
Ion Ratio Lower Upper
232 100
131 42.3 34.3 51.5
130 2.3 1.8 2.6
166 29.4 24.4 36.6

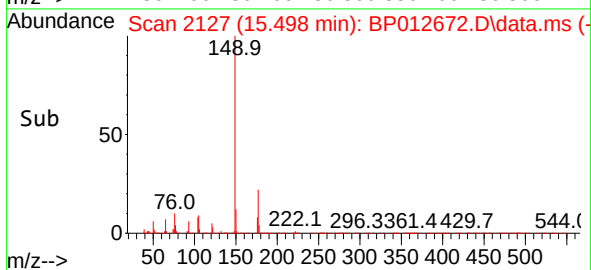
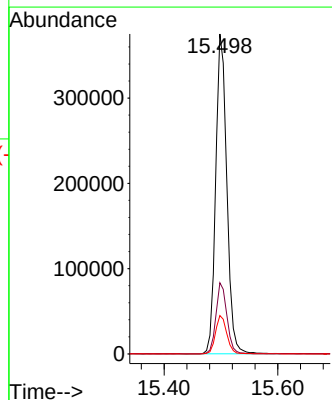
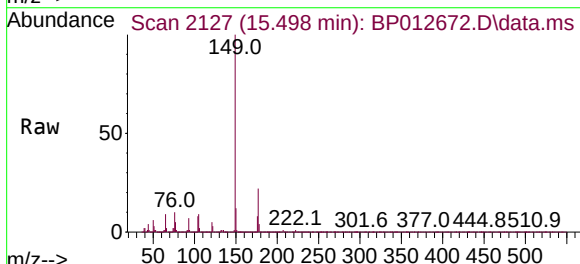
Manual Integrations
APPROVED

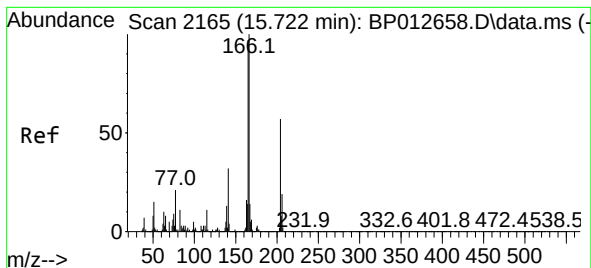
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 9.241 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:149 Resp: 511676
Ion Ratio Lower Upper
149 100
177 22.2 18.2 27.4
150 12.0 9.8 14.6





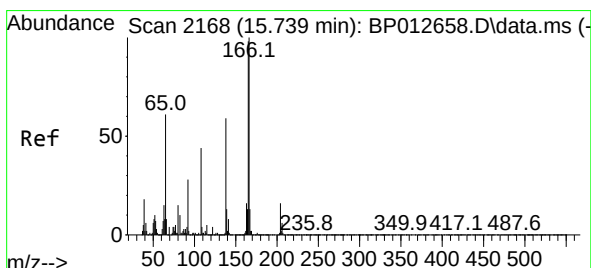
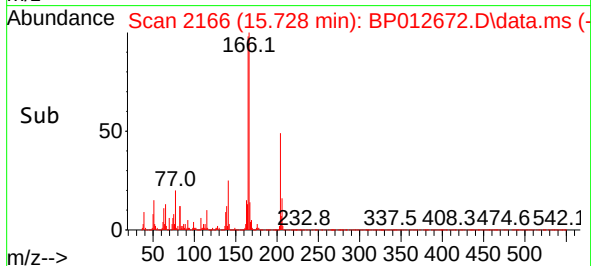
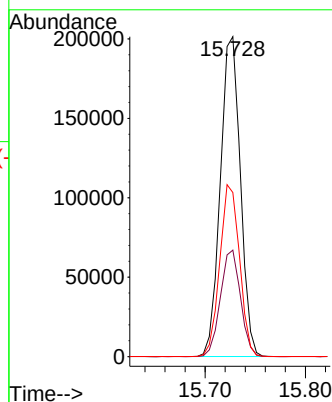
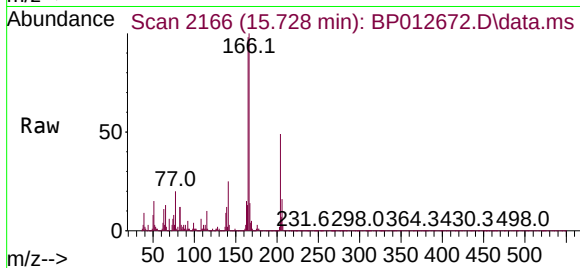
#61
4-Chlorophenyl-phenylether
Concen: 11.110 ng
RT: 15.728 min Scan# 2165
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:204 Resp: 280433
Ion Ratio Lower Upper
204 100
206 33.3 26.9 40.3
141 51.3 44.3 66.5

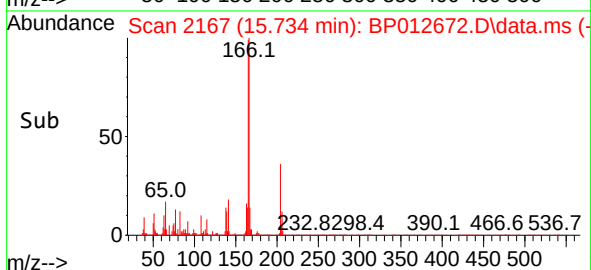
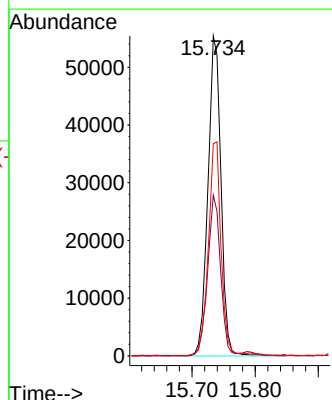
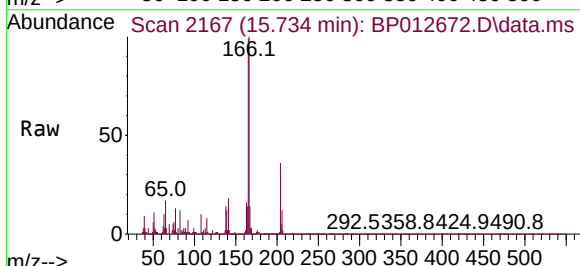
Manual Integrations
APPROVED

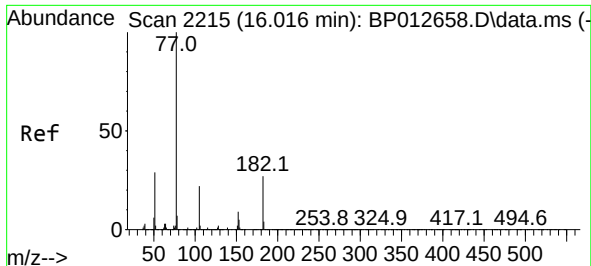
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 7.177 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:138 Resp: 79360
Ion Ratio Lower Upper
138 100
92 50.2 28.2 68.2
108 66.3 53.7 93.7





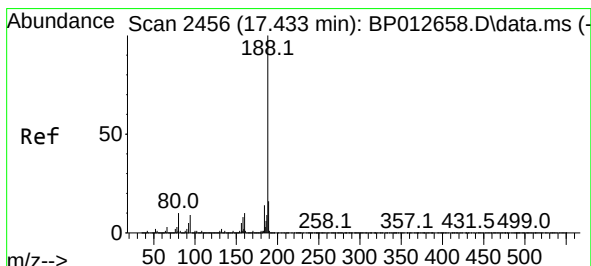
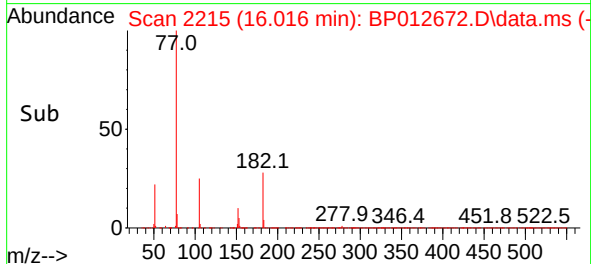
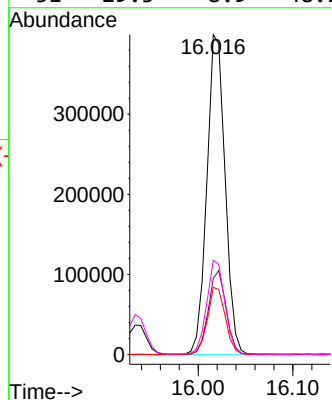
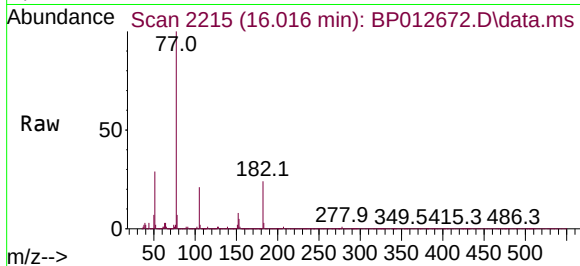
#63
Azobenzene
Concen: 10.560 ng
RT: 16.016 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion: 77 Resp: 534193
Ion Ratio Lower Upper
77 100
182 23.8 7.1 47.1
105 21.0 1.9 41.9
51 29.5 8.9 48.9

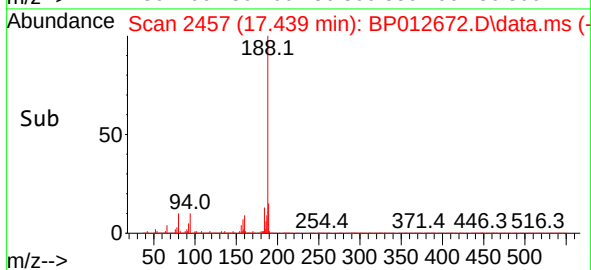
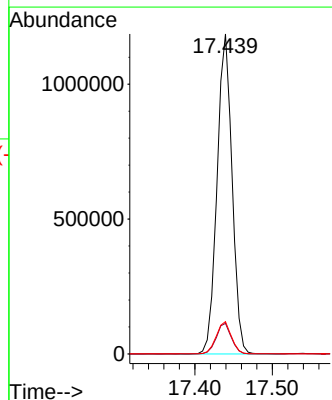
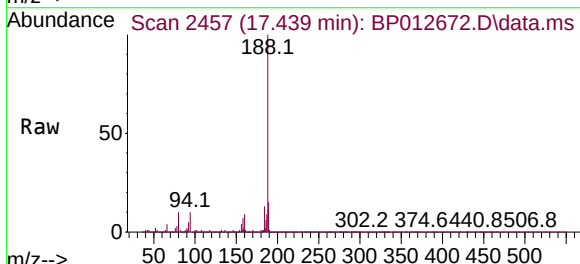
Manual Integrations
APPROVED

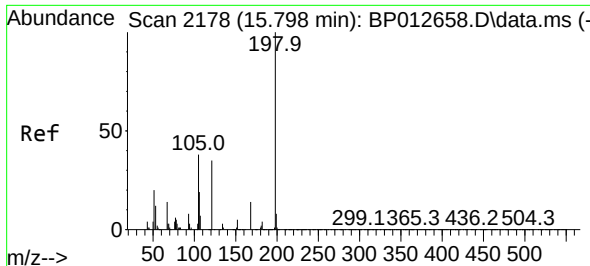
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.439 min Scan# 2457
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:188 Resp: 1591854
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.1 8.2 12.2





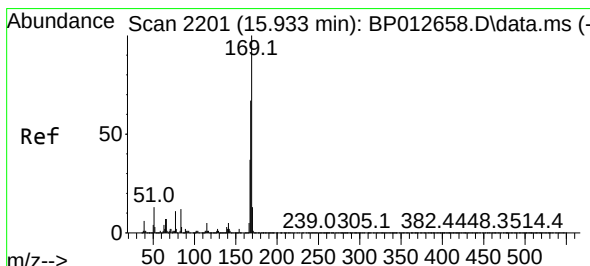
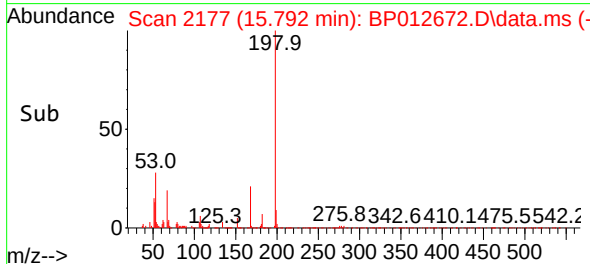
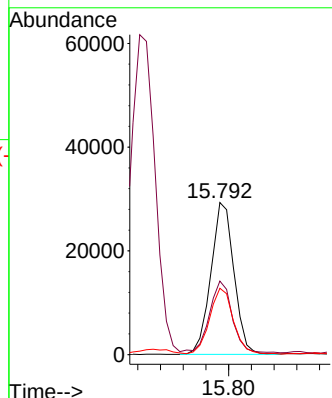
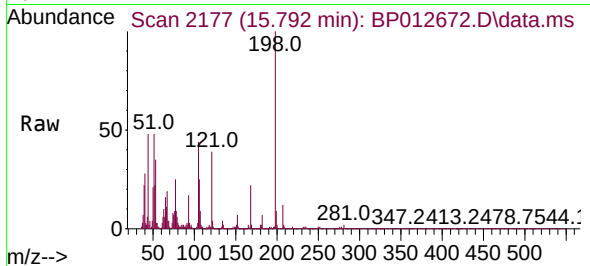
#65
4,6-Dinitro-2-methylphenol
Concen: 5.293 ng
RT: 15.792 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:198 Resp: 41376
Ion Ratio Lower Upper
198 100
51 48.3 18.2 58.2
105 43.6 19.6 59.6

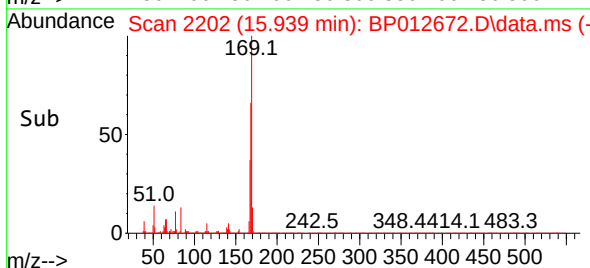
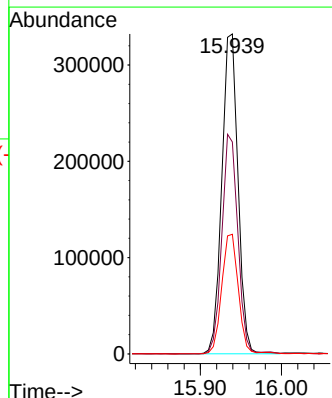
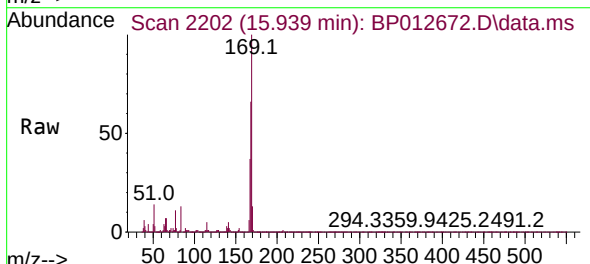
Manual Integrations
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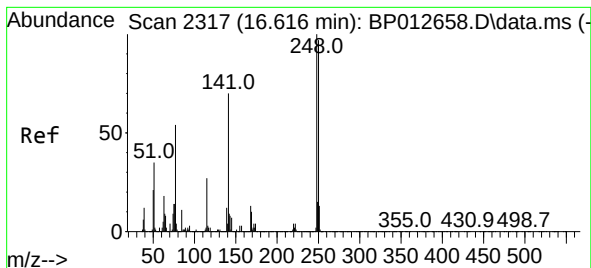
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 9.658 ng
RT: 15.939 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

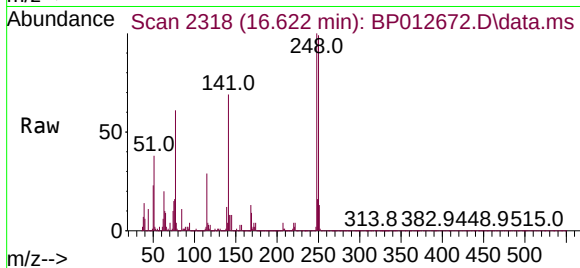
Tgt Ion:169 Resp: 458161
Ion Ratio Lower Upper
169 100
168 66.2 53.5 80.3
167 37.4 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 9.481 ng
RT: 16.622 min Scan# 2318
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

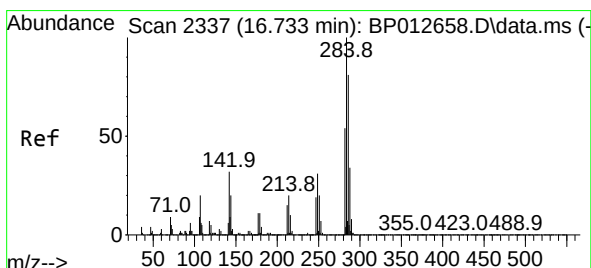
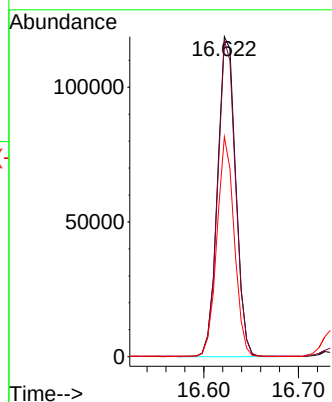
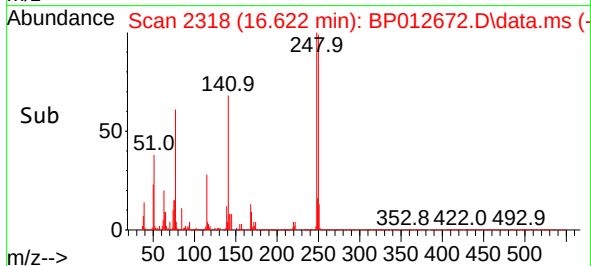
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:248 Resp: 157808
Ion Ratio Lower Upper
248 100
250 98.8 77.4 116.2
141 68.7 55.6 83.4

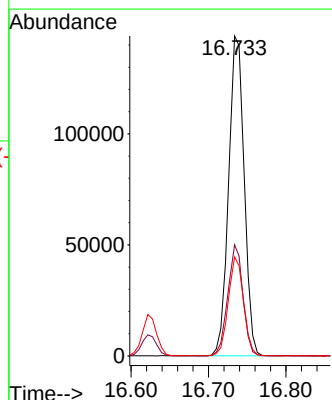
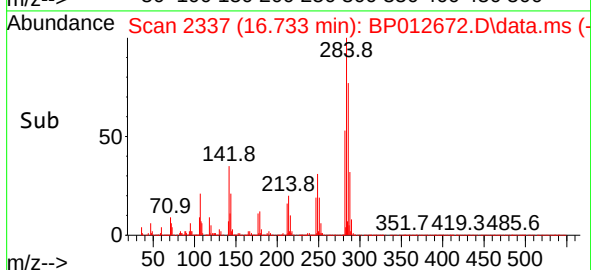
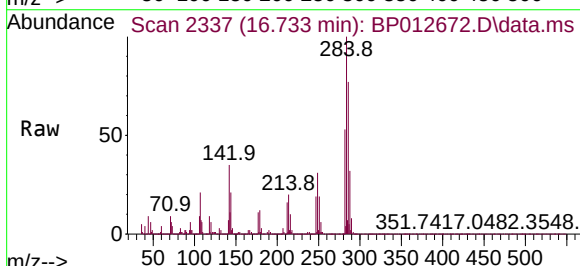
Manual Integrations
APPROVED

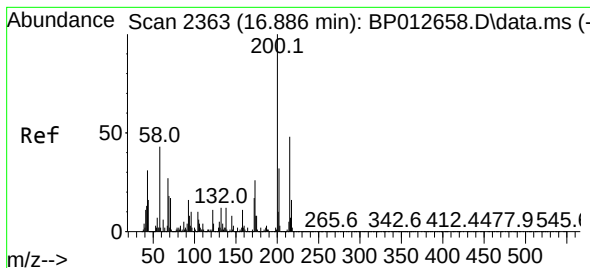
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 10.458 ng
RT: 16.733 min Scan# 2337
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:284 Resp: 201875
Ion Ratio Lower Upper
284 100
142 34.7 25.8 38.6
249 31.0 25.0 37.4





#69

Atrazine

Concen: 9.439 ng

RT: 16.892 min Scan# 2363

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

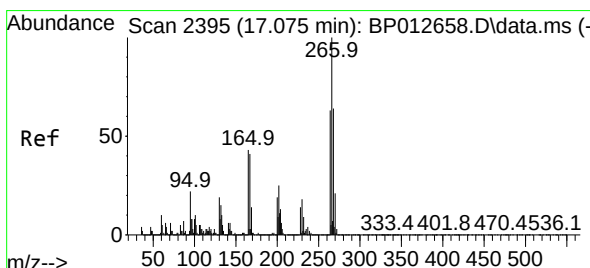
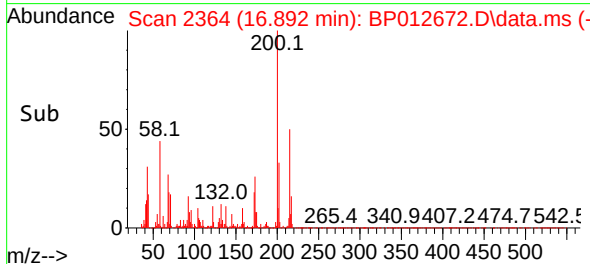
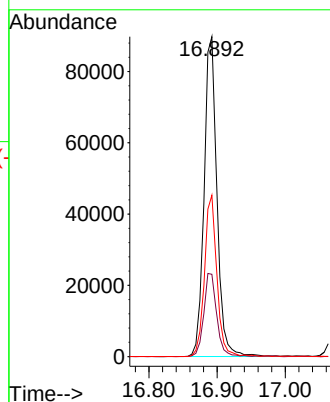
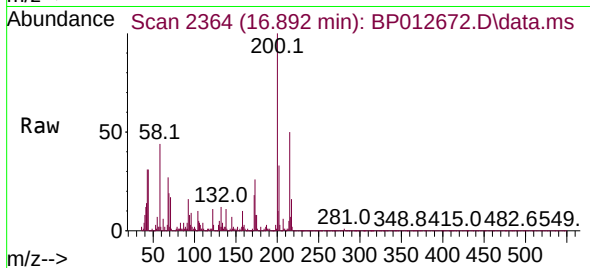
Tgt Ion:200 Resp: 117992
 Ion Ratio Lower Upper
 200 100
 173 25.7 6.2 46.2
 215 50.4 28.4 68.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#70

Pentachlorophenol

Concen: 8.634 ng

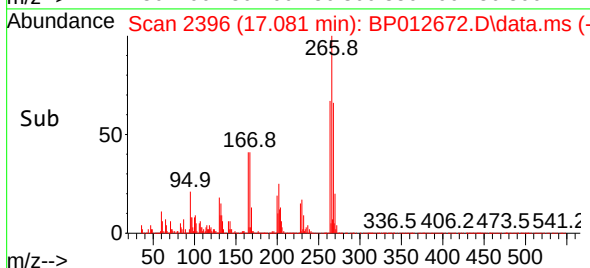
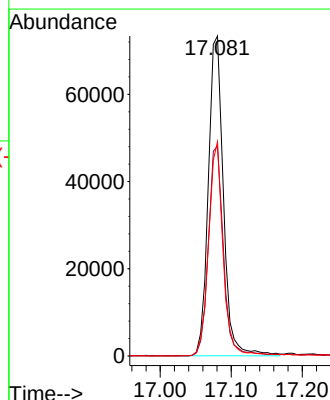
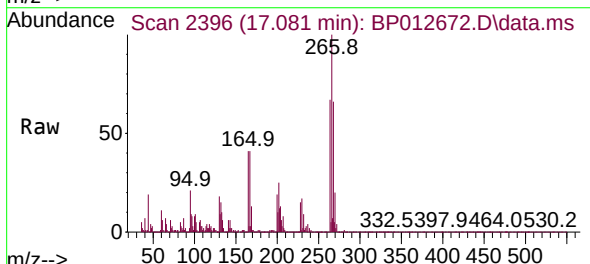
RT: 17.081 min Scan# 2396

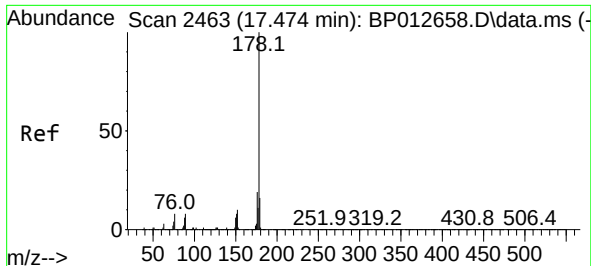
Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Tgt Ion:266 Resp: 108177
 Ion Ratio Lower Upper
 266 100
 268 65.6 51.4 77.0
 264 66.9 50.6 75.8





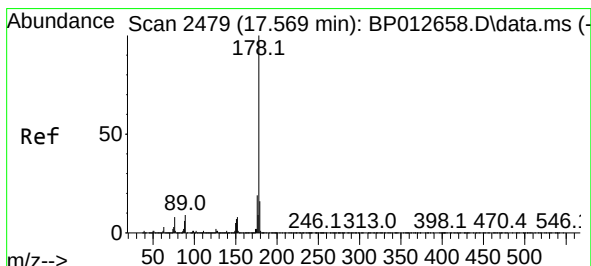
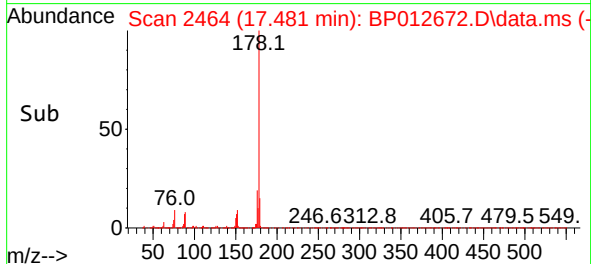
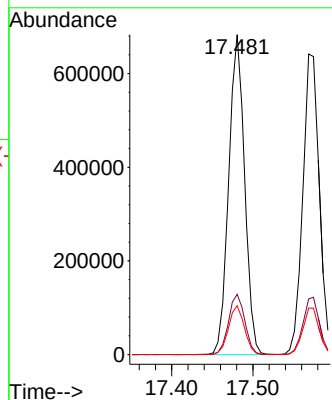
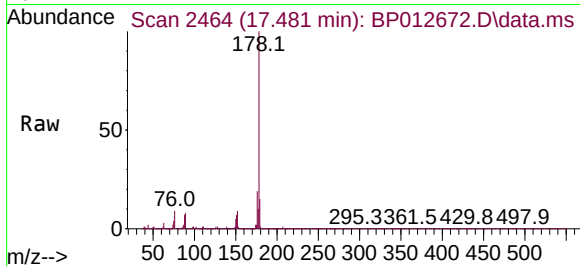
#71
Phenanthrene
Concen: 10.289 ng
RT: 17.481 min Scan# 2464
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:178 Resp: 929033
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.3 12.5 18.7

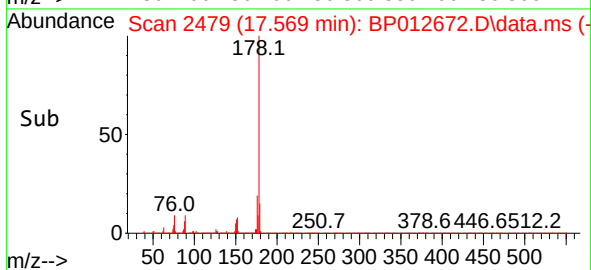
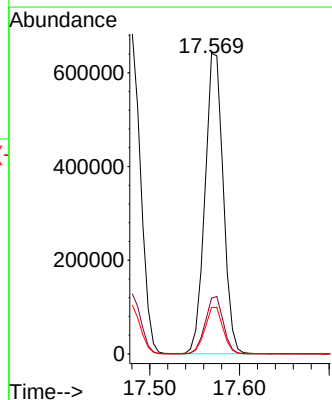
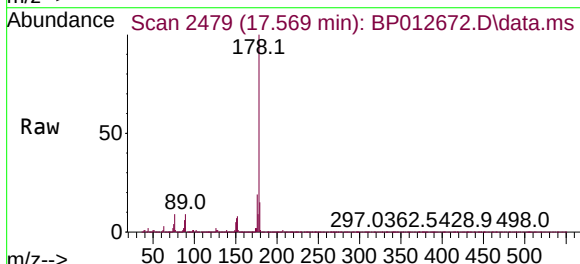
Manual Integrations
APPROVED

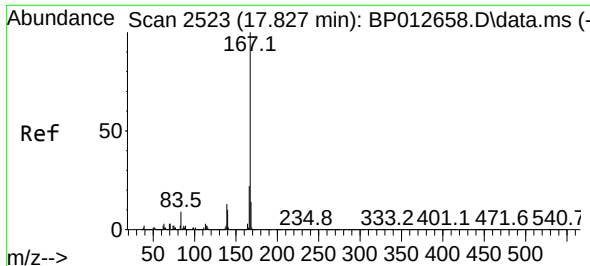
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 10.425 ng
RT: 17.569 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

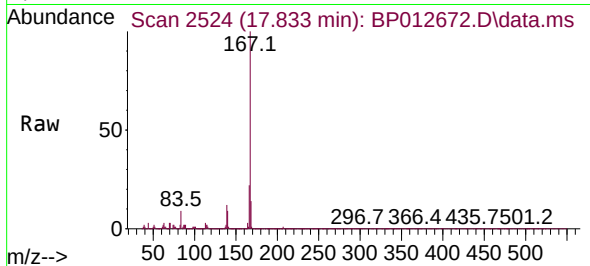
Tgt Ion:178 Resp: 908167
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.5 12.8 19.2





#73
Carbazole
Concen: 10.022 ng
RT: 17.833 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

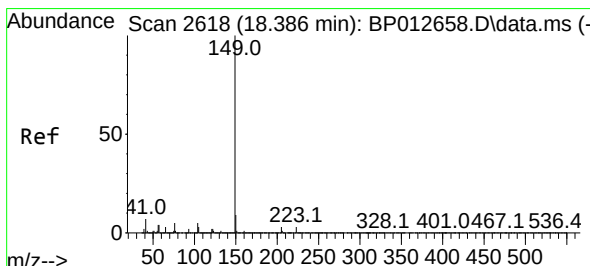
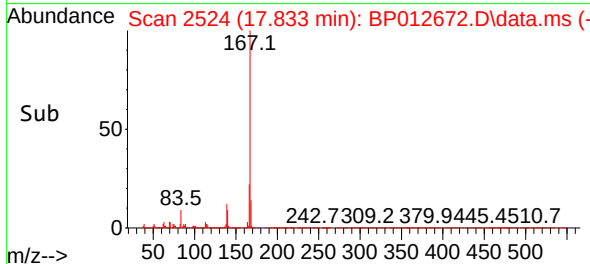
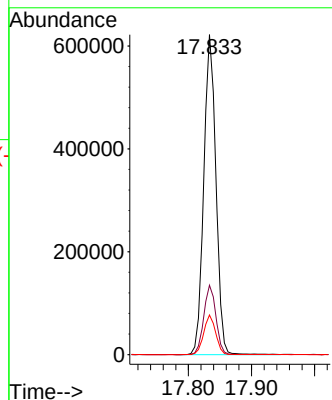
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:167 Resp: 829189
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.2
139 12.4 10.2 15.2

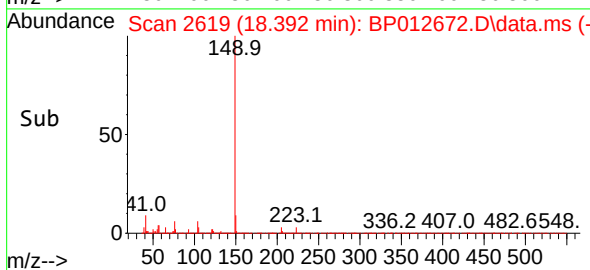
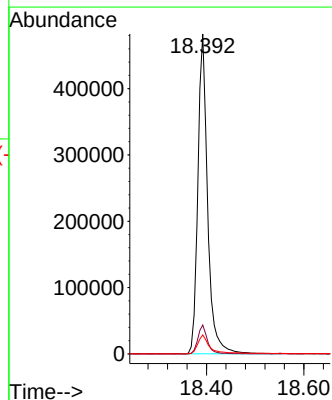
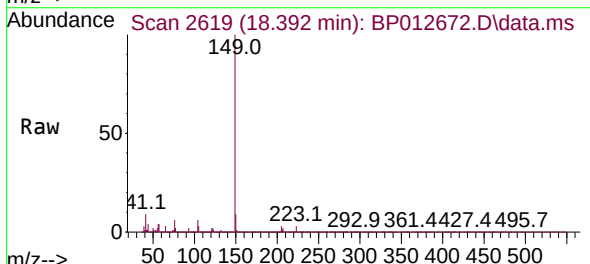
Manual Integrations
APPROVED

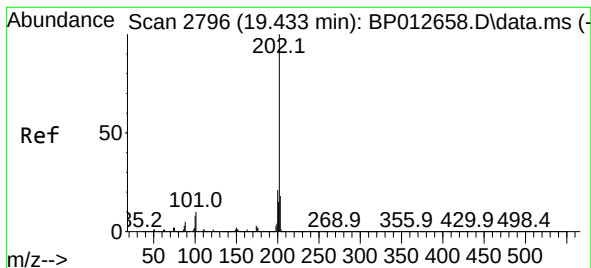
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#74
Di-n-butylphthalate
Concen: 7.736 ng
RT: 18.392 min Scan# 2619
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:149 Resp: 667268
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 5.9 4.0 6.0





#75

Fluoranthene

Concen: 10.076 ng

RT: 19.433 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:202 Resp: 1077814

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.4

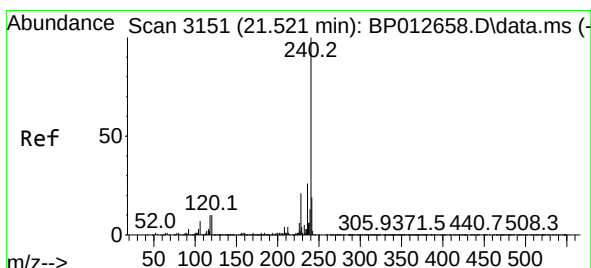
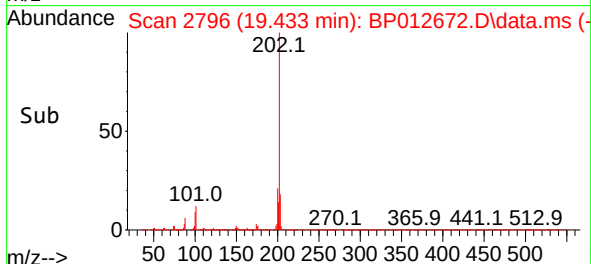
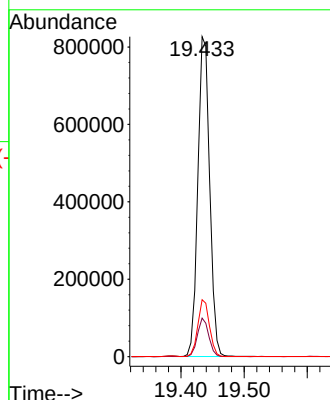
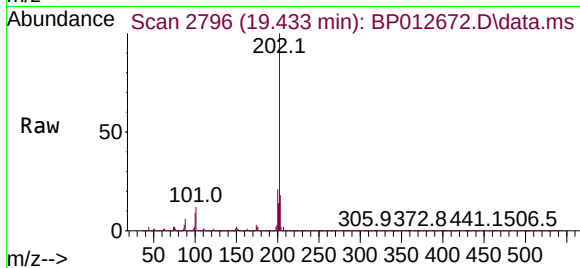
203 17.8 0.0 37.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3151

Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

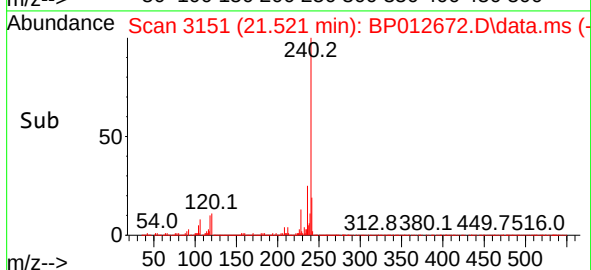
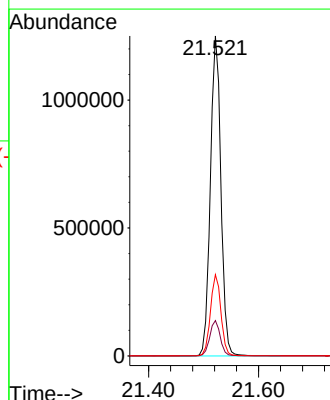
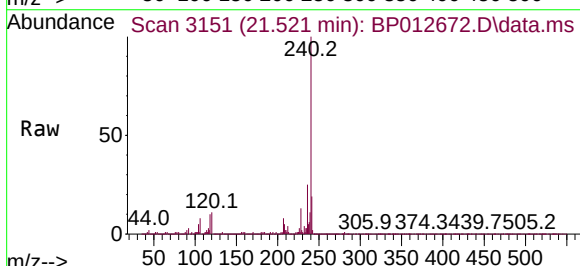
Tgt Ion:240 Resp: 1664711

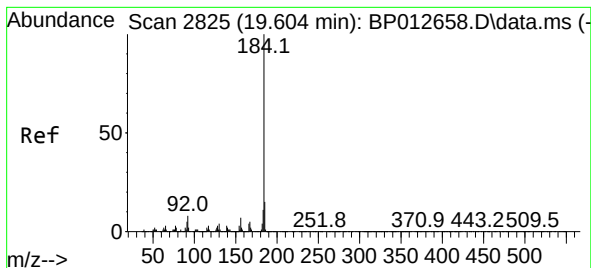
Ion Ratio Lower Upper

240 100

120 11.0 8.2 12.2

236 25.4 20.4 30.6





#77

Benzidine

Concen: 7.363 ng

RT: 19.610 min Scan# 2825

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

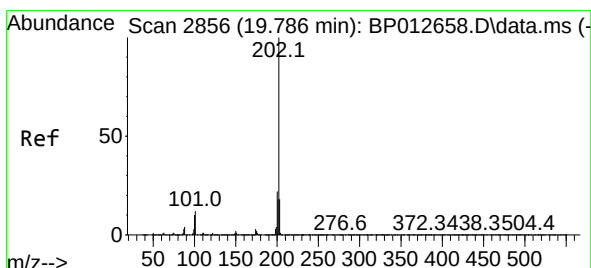
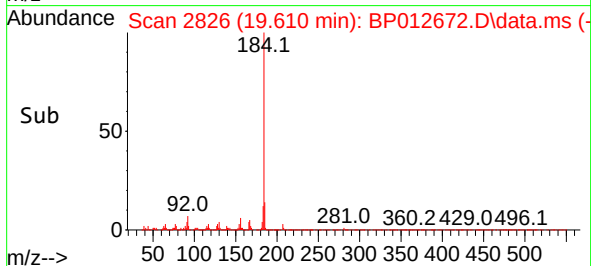
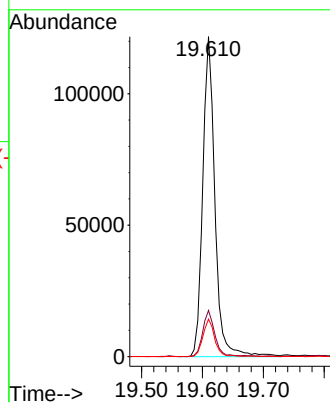
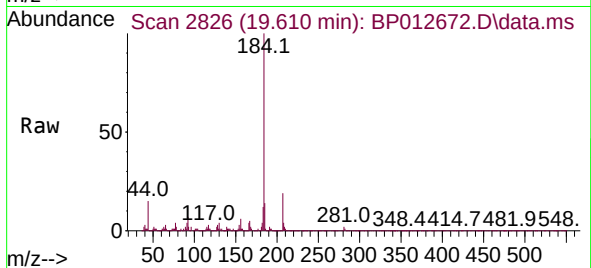
Tgt Ion:184 Resp: 168503
 Ion Ratio Lower Upper
 184 100
 185 14.4 12.2 18.2
 183 11.7 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#78

Pyrene

Concen: 9.456 ng

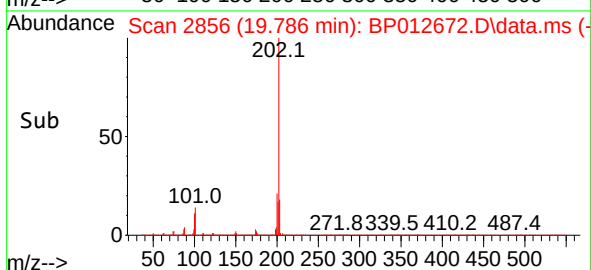
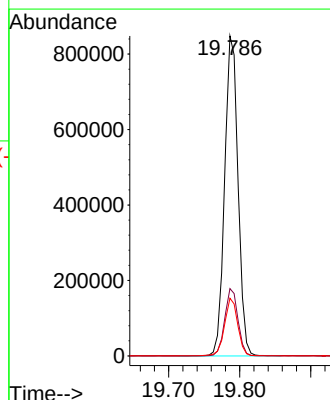
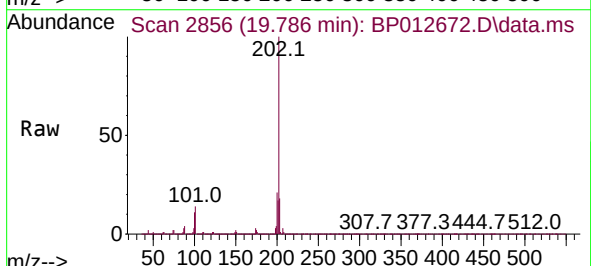
RT: 19.786 min Scan# 2856

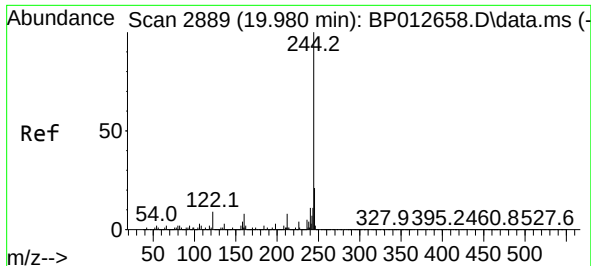
Delta R.T. 0.000 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

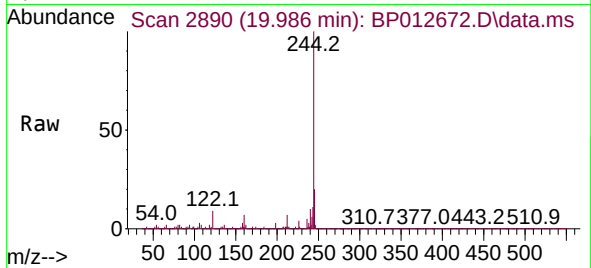
Tgt Ion:202 Resp: 1112397
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.0
 203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 86.495 ng
 RT: 19.986 min Scan# 2889
 Delta R.T. 0.006 min
 Lab File: BP012672.D
 Acq: 18 Nov 2022 14:39

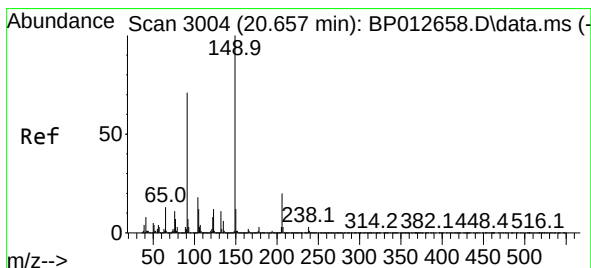
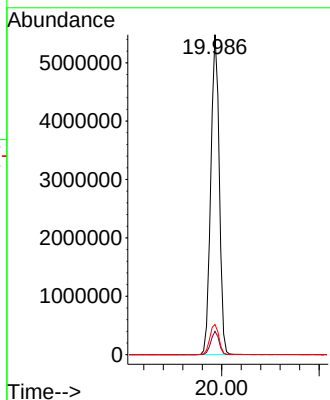
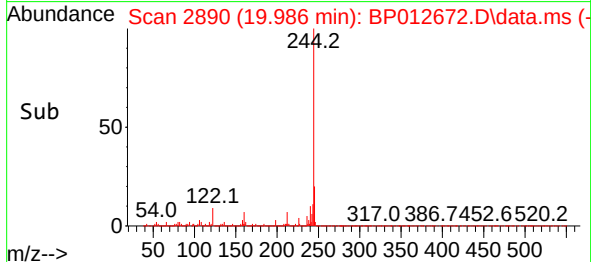
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



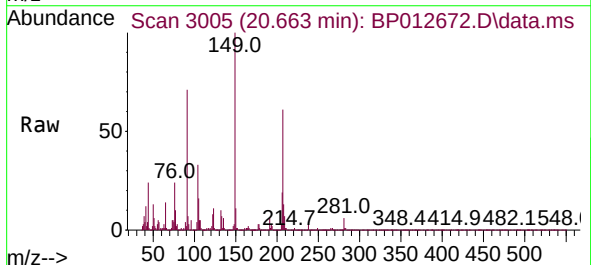
Tgt Ion:244 Resp: 6664260
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 9.4 7.5 11.3

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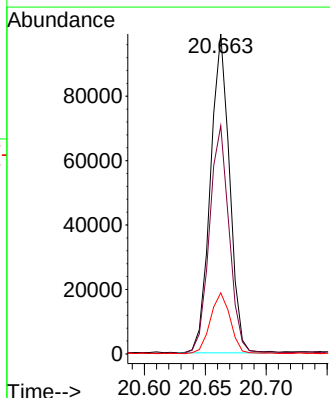
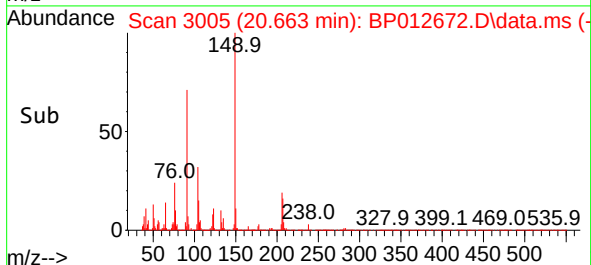
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

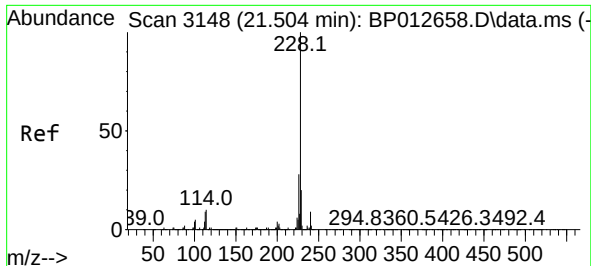


#80
 Butylbenzylphthalate
 Concen: 5.104 ng
 RT: 20.663 min Scan# 3005
 Delta R.T. 0.006 min
 Lab File: BP012672.D
 Acq: 18 Nov 2022 14:39



Tgt Ion:149 Resp: 108368
 Ion Ratio Lower Upper
 149 100
 91 71.3 56.9 85.3
 206 19.1 16.1 24.1





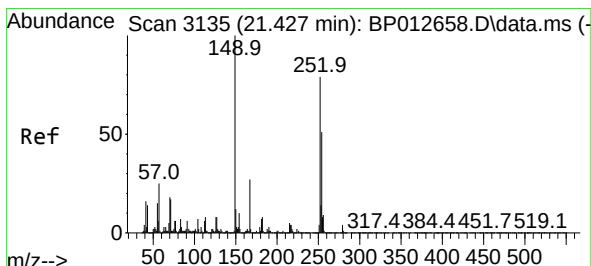
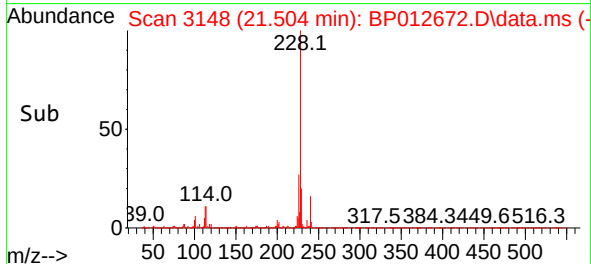
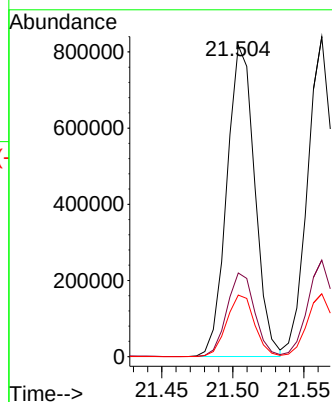
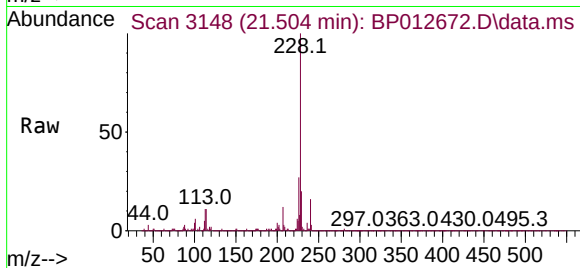
#81
Benzo(a)anthracene
Concen: 9.565 ng
RT: 21.504 min Scan# 3148
Delta R.T. -0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:228 Resp: 1116279
Ion Ratio Lower Upper
228 100
226 26.9 22.2 33.2
229 19.8 16.2 24.2

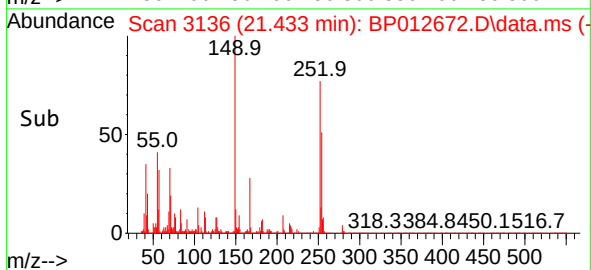
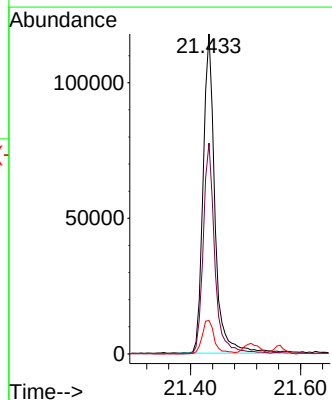
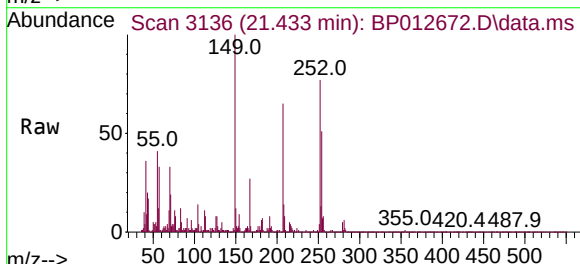
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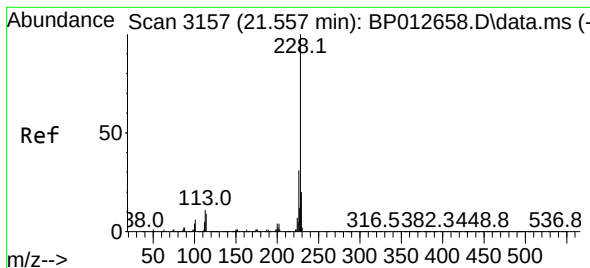
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 5.971 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:252 Resp: 175408
Ion Ratio Lower Upper
252 100
254 65.9 51.9 77.9
126 10.4 8.2 12.4





#83

Chrysene

Concen: 9.740 ng

RT: 21.563 min Scan# 3157

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:228 Resp: 107792

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

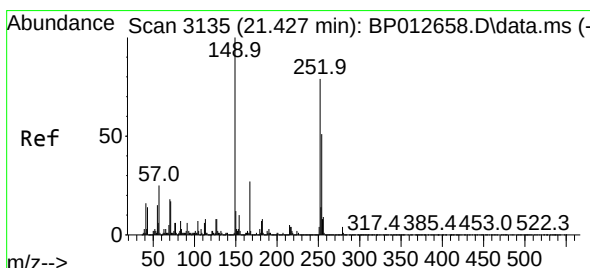
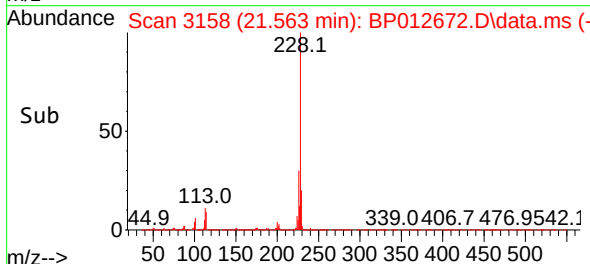
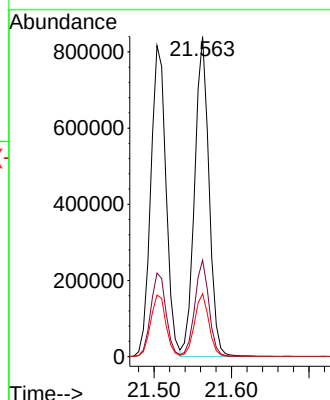
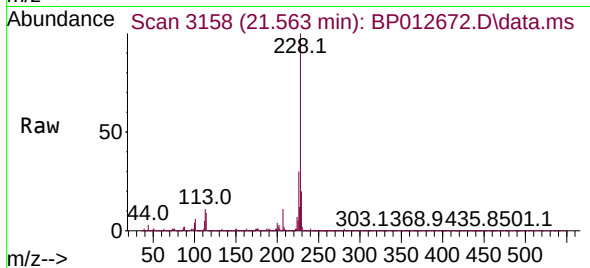
229 19.6 16.2 24.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.953 ng

RT: 21.433 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

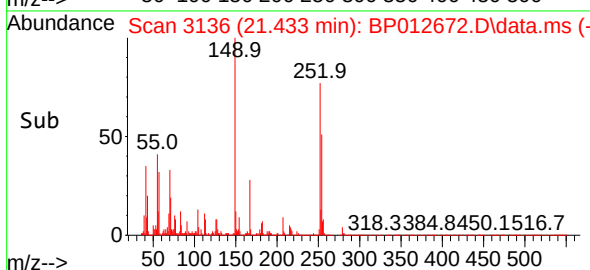
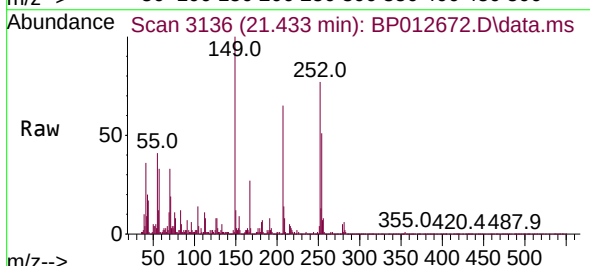
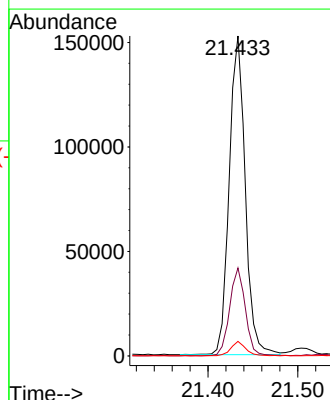
Tgt Ion:149 Resp: 190580

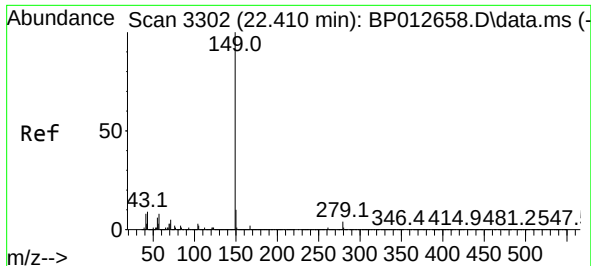
Ion Ratio Lower Upper

149 100

167 27.5 21.7 32.5

279 4.5 3.1 4.7





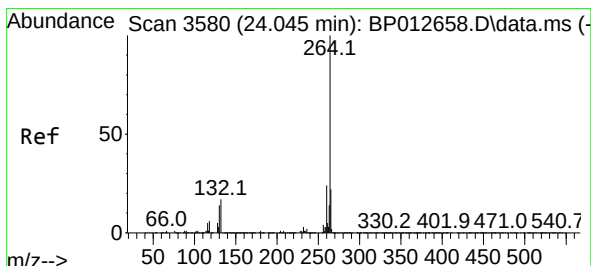
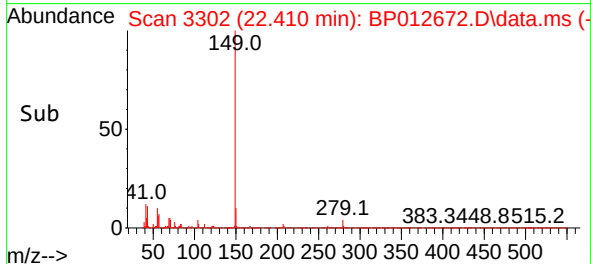
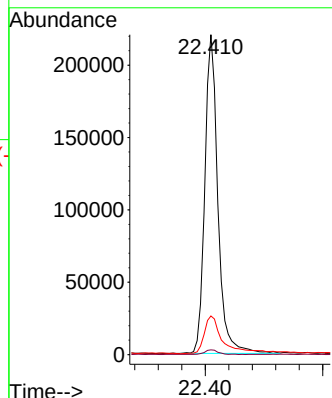
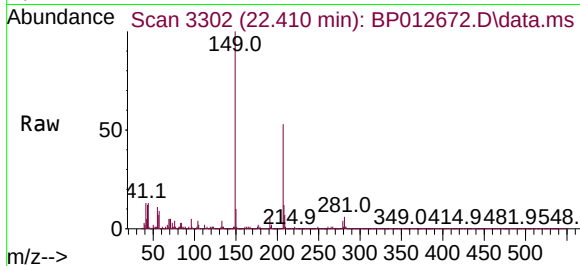
#85
Di-n-octyl phthalate
Concen: 4.171 ng
RT: 22.410 min Scan# 3302
Delta R.T. -0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

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

Tgt Ion:149 Resp: 339565
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 17.9 8.9 13.3

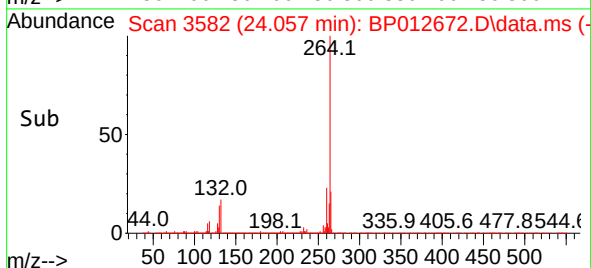
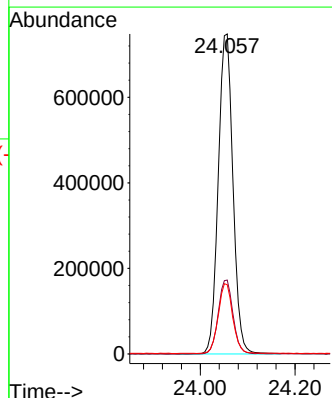
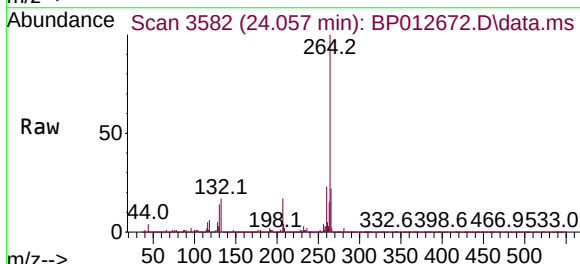
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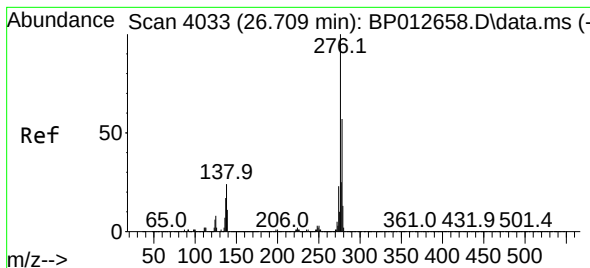
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.057 min Scan# 3582
Delta R.T. 0.012 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

Tgt Ion:264 Resp: 1609162
Ion Ratio Lower Upper
264 100
260 23.1 19.3 28.9
265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.047 ng

RT: 26.715 min Scan# 4033

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:276 Resp: 1059835

Ion Ratio Lower Upper

276 100

138 26.9 20.8 31.2

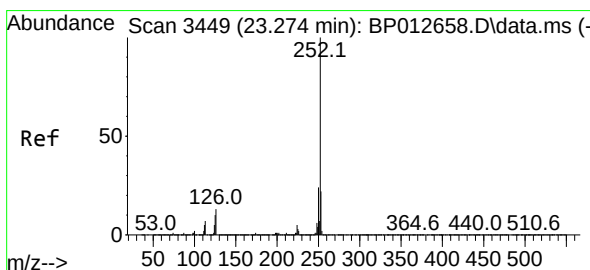
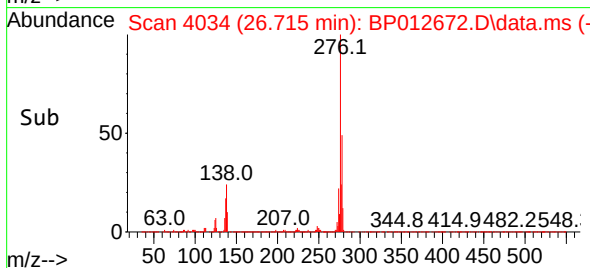
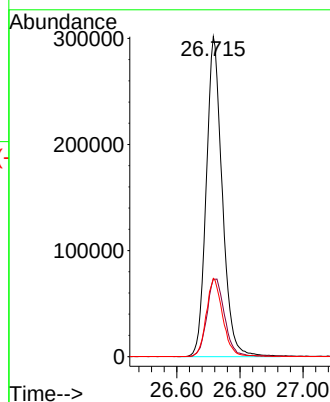
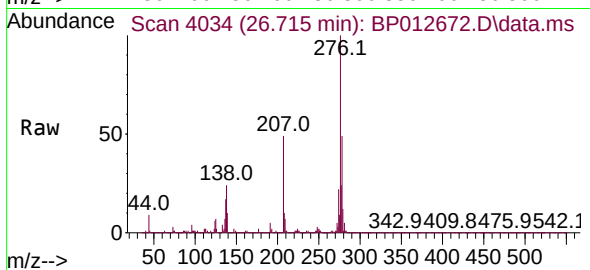
277 25.1 20.2 30.2

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: 9.988 ng

RT: 23.280 min Scan# 3450

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

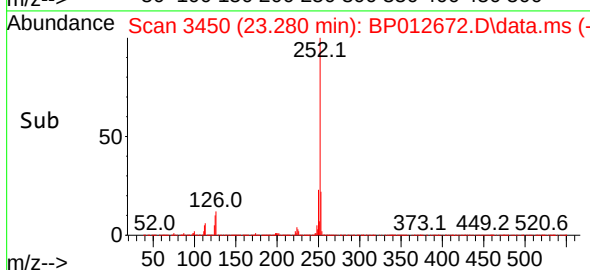
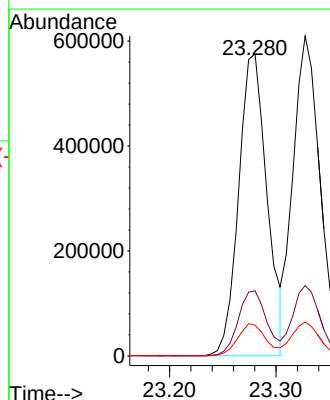
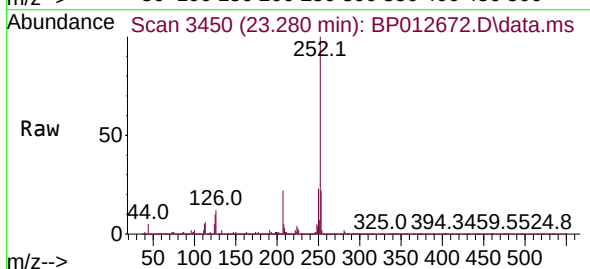
Tgt Ion:252 Resp: 1064091

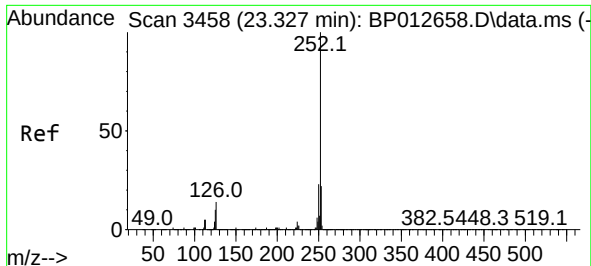
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

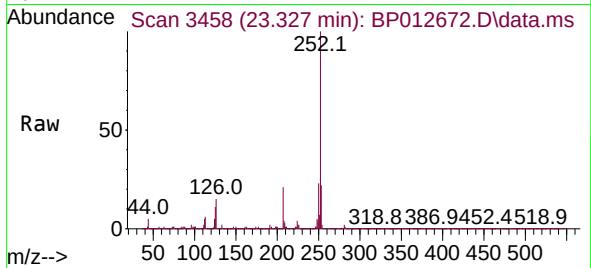
125 10.2 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 10.329 ng
RT: 23.327 min Scan# 3458
Delta R.T. 0.000 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39

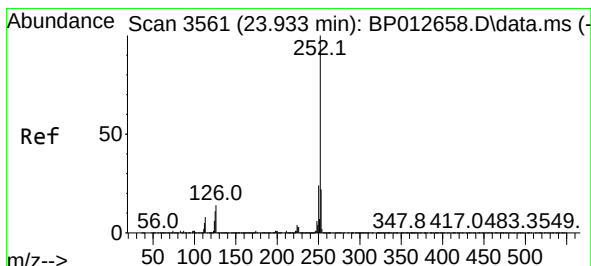
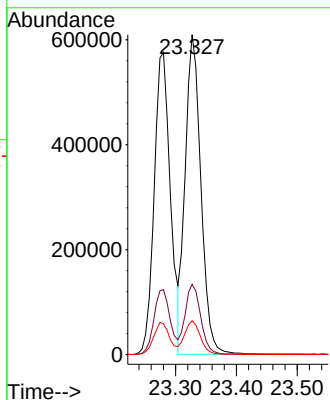
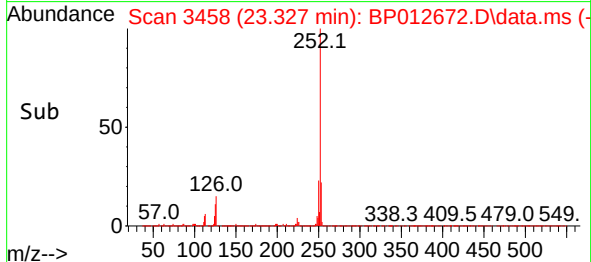
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2022



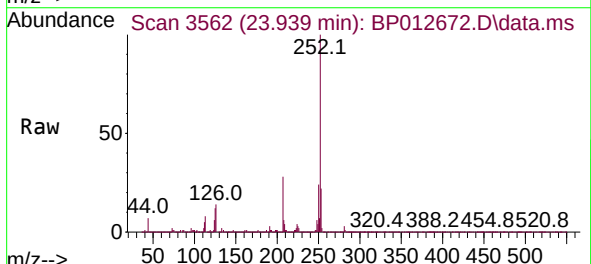
Tgt Ion:252 Resp: 1093319
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.6 7.9 11.9

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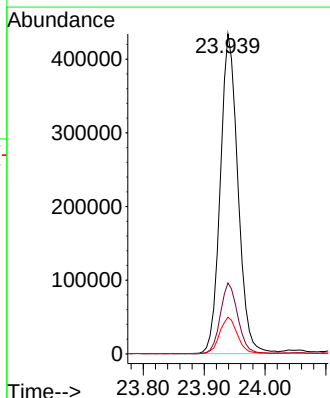
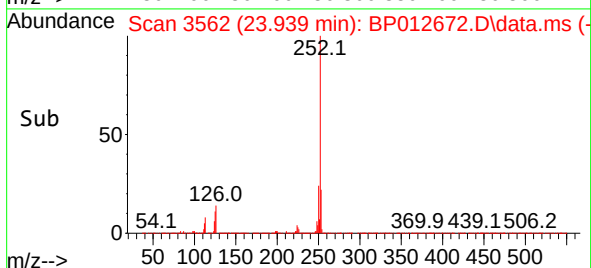
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

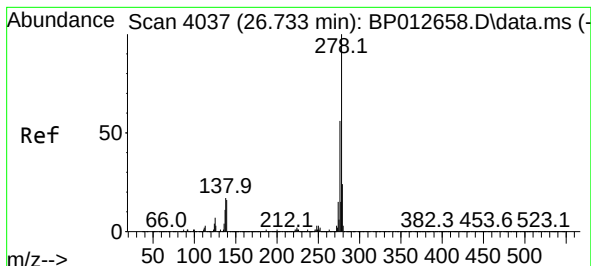


#90
Benzo(a)pyrene
Concen: 9.897 ng
RT: 23.939 min Scan# 3562
Delta R.T. 0.006 min
Lab File: BP012672.D
Acq: 18 Nov 2022 14:39



Tgt Ion:252 Resp: 874954
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 9.803 ng

RT: 26.739 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Instrument :

BNP_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

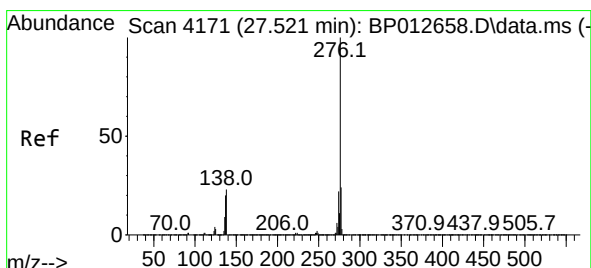
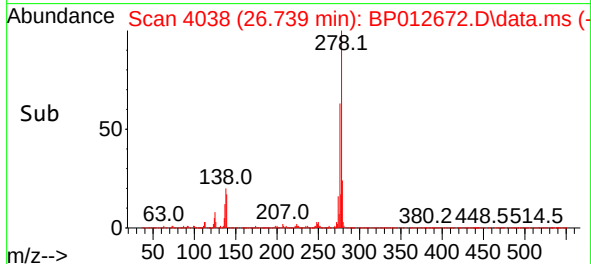
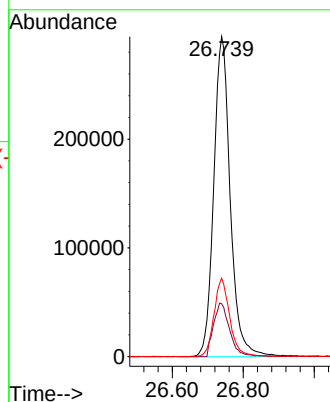
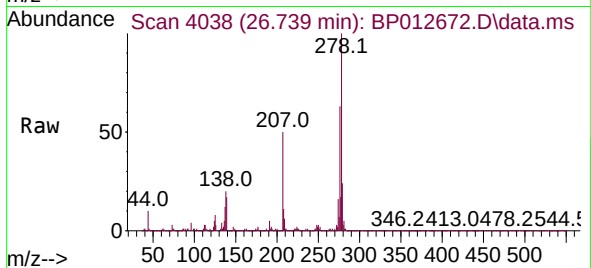
Tgt Ion:	278	Resp:	949632
Ion Ratio	Lower	Upper	
278	100		
139	16.5	13.0	19.4
279	24.5	19.2	28.8

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: 9.540 ng

RT: 27.527 min Scan# 4172

Delta R.T. 0.006 min

Lab File: BP012672.D

Acq: 18 Nov 2022 14:39

Tgt Ion:	276	Resp:	897642
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.2
138	21.8	18.1	27.1

