

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012670.D
 Acq On : 18 Nov 2022 11:56
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 21 03:33:06 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	227995	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	960554	20.000	ng	0.00
39) Acenaphthene-d10	14.675	164	640101	20.000	ng	0.00
64) Phenanthrene-d10	17.428	188	1432003	20.000	ng	0.00
76) Chrysene-d12	21.516	240	1508202	20.000	ng	0.00
86) Perylene-d12	24.039	264	1469537	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1321784	104.774	ng	0.00
7) Phenol-d6	7.187	99	1841833	104.830	ng	0.00
23) Nitrobenzene-d5	9.210	82	1390507	91.018	ng	0.00
42) 2,4,6-Tribromophenol	16.163	330	852191	116.336	ng	0.00
45) 2-Fluorobiphenyl	13.304	172	3816197	89.706	ng	0.00
79) Terphenyl-d14	19.980	244	6342664	90.864	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.452	88	26103	5.152	ng	95
3) Pyridine	3.858	79	64355	4.024	ng	99
4) n-Nitrosodimethylamine	3.764	42	30992	4.538	ng	# 74
6) Aniline	7.357	93	110702	5.002	ng	97
8) 2-Chlorophenol	7.599	128	77222	4.957	ng	99
9) Benzaldehyde	7.169	77	74860	7.306	ng	96
10) Phenol	7.210	94	96833	4.892	ng	96
11) bis(2-Chloroethyl)ether	7.457	93	81790	5.187	ng	99
12) 1,3-Dichlorobenzene	7.928	146	91754	5.307	ng	98
13) 1,4-Dichlorobenzene	8.081	146	93982	5.331	ng	99
14) 1,2-Dichlorobenzene	8.399	146	91659	5.418	ng	97
15) Benzyl Alcohol	8.275	79	57078	4.360	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.581	45	119066	5.352	ng	100
17) 2-Methylphenol	8.475	107	63027	4.592	ng	99
18) Hexachloroethane	9.134	117	32696	5.550	ng	97
19) n-Nitroso-di-n-propyla...	8.852	70	51510	4.313	ng	98
20) 3+4-Methylphenols	8.804	107	83035	4.318	ng	98
22) Acetophenone	8.863	105	133300	5.559	ng	# 95
24) Nitrobenzene	9.252	77	91857	5.568	ng	98
25) Isophorone	9.775	82	178336	5.189	ng	99
26) 2-Nitrophenol	9.963	139	27488	3.842	ng	96
27) 2,4-Dimethylphenol	10.016	122	72413	5.364	ng	98
28) bis(2-Chloroethoxy)met...	10.263	93	110795	5.669	ng	98
29) 2,4-Dichlorophenol	10.499	162	71591	4.563	ng	97
30) 1,2,4-Trichlorobenzene	10.722	180	90215	5.356	ng	100
31) Naphthalene	10.910	128	281391	5.329	ng	100
32) Benzoic acid	10.057	122	16536m	1.564	ng	
33) 4-Chloroaniline	11.010	127	103015	4.682	ng	98
34) Hexachlorobutadiene	11.198	225	53894	5.416	ng	98
35) Caprolactam	11.763	113	19682	3.852	ng	99
36) 4-Chloro-3-methylphenol	12.116	107	74931	4.449	ng	95
37) 2-Methylnaphthalene	12.510	142	195056	5.165	ng	98
38) 1-Methylnaphthalene	12.728	142	188907	5.091	ng	99
40) 1,2,4,5-Tetrachloroben...	12.875	216	107320	5.748	ng	100
41) Hexachlorocyclopentadiene	12.857	237	41651	5.866	ng	99
43) 2,4,6-Trichlorophenol	13.110	196	59277	4.460	ng	96

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Instrument :
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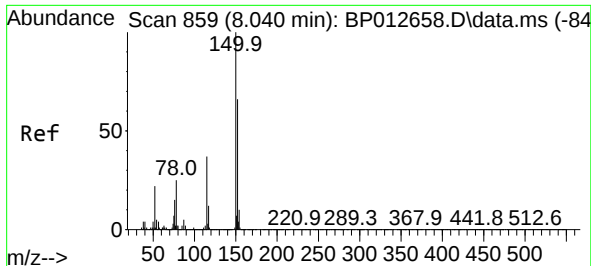
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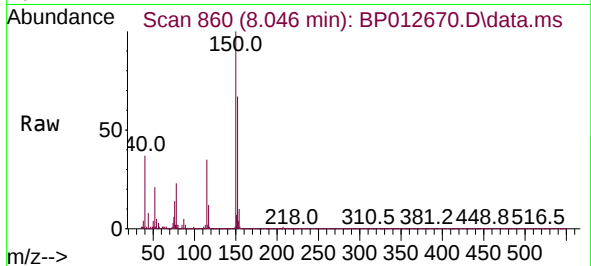
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.175	196	64574	4.391	ng	98
46) 1,1'-Biphenyl	13.516	154	281272	5.876	ng	100
47) 2-Chloronaphthalene	13.557	162	208110	5.475	ng	99
48) 2-Nitroaniline	13.751	65	22959	3.018	ng	99
49) Acenaphthylene	14.398	152	321999	5.191	ng	99
50) Dimethylphthalate	14.128	163	248240	4.924	ng	99
51) 2,6-Dinitrotoluene	14.239	165	30345	3.432	ng	96
52) Acenaphthene	14.739	154	201318	5.085	ng	94
53) 3-Nitroaniline	14.569	138	32468	3.207	ng	99
54) 2,4-Dinitrophenol	14.769	184	10978	2.236	ng	94
55) Dibenzofuran	15.075	168	328659	5.499	ng	99
56) 4-Nitrophenol	14.857	139	29206	3.082	ng	96
57) 2,4-Dinitrotoluene	15.028	165	35659	3.032	ng	95
58) Fluorene	15.722	166	263827	5.609	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.292	232	56840	4.293	ng	97
60) Diethylphthalate	15.492	149	231681	4.671	ng	99
61) 4-Chlorophenyl-phenyle...	15.716	204	131096	5.798	ng	97
62) 4-Nitroaniline	15.728	138	27850	2.812	ng	96
63) Azobenzene	16.010	77	228740	5.048	ng	97
65) 4,6-Dinitro-2-methylph...	15.786	198	15609	2.220	ng	90
66) n-Nitrosodiphenylamine	15.928	169	205963	4.826	ng	98
67) 4-Bromophenyl-phenylether	16.616	248	70945	4.738	ng	98
68) Hexachlorobenzene	16.728	284	93444	5.381	ng	98
69) Atrazine	16.881	200	49500	4.402	ng	96
70) Pentachlorophenol	17.069	266	46409	4.118	ng	99
71) Phenanthrene	17.475	178	432561	5.325	ng	99
72) Anthracene	17.563	178	417619	5.329	ng	99
73) Carbazole	17.828	167	375733	5.048	ng	99
74) Di-n-butylphthalate	18.380	149	288607	3.719	ng	# 98
75) Fluoranthene	19.427	202	485574	5.046	ng	99
77) Benzidine	19.598	184	74670	3.601	ng	98
78) Pyrene	19.780	202	502255	4.712	ng	99
80) Butylbenzylphthalate	20.657	149	54377	2.827	ng	96
81) Benzo(a)anthracene	21.498	228	507577	4.800	ng	98
82) 3,3'-Dichlorobenzidine	21.421	252	70140	2.635	ng	98
83) Chrysene	21.551	228	496644	4.953	ng	98
84) Bis(2-ethylhexyl)phtha...	21.421	149	90520	2.597	ng	98
85) Di-n-octyl phthalate	22.398	149	154024	2.088	ng	# 90
87) Indeno(1,2,3-cd)pyrene	26.698	276	460989	4.309	ng	99
88) Benzo(b)fluoranthene	23.263	252	482469	4.959	ng	98
89) Benzo(k)fluoranthene	23.315	252	477854	4.943	ng	99
90) Benzo(a)pyrene	23.927	252	381873	4.730	ng	99
91) Dibenzo(a,h)anthracene	26.715	278	414708	4.688	ng	99
92) Benzo(g,h,i)perylene	27.498	276	394266	4.588	ng	98

(#) = 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: BP012670.D
 Acq: 18 Nov 2022 11:56

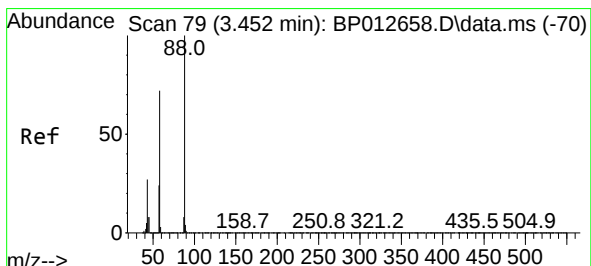
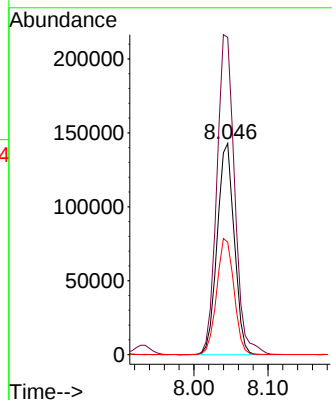
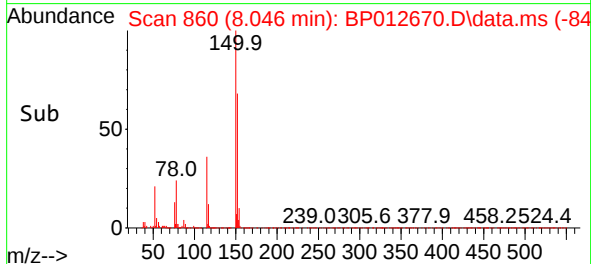
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



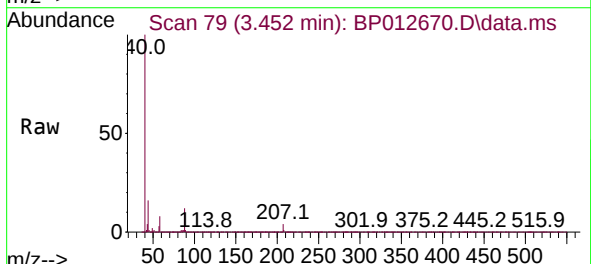
Tgt Ion: 152 Resp: 227995
 Ion Ratio Lower Upper
 152 100
 150 150.2 121.8 182.8
 115 53.2 45.4 68.2

Manual Integrations
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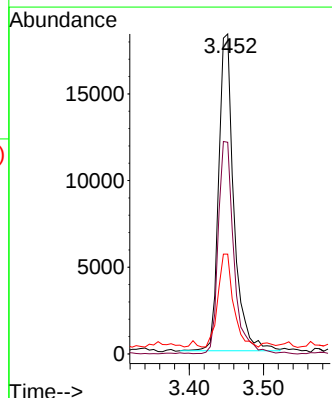
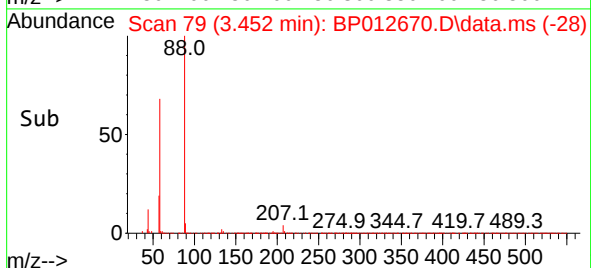
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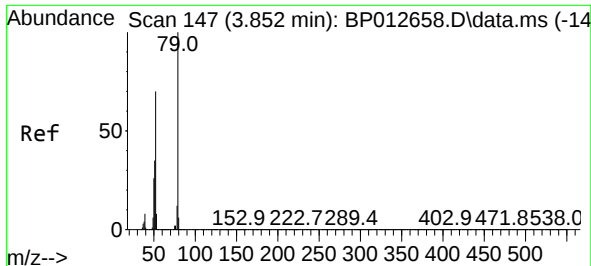


#2
 1,4-Dioxane
 Concen: 5.152 ng
 RT: 3.452 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BP012670.D
 Acq: 18 Nov 2022 11:56



Tgt Ion: 88 Resp: 26103
 Ion Ratio Lower Upper
 88 100
 58 68.4 59.3 88.9
 43 29.7 23.0 34.4





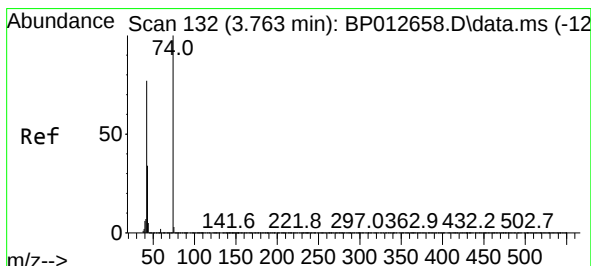
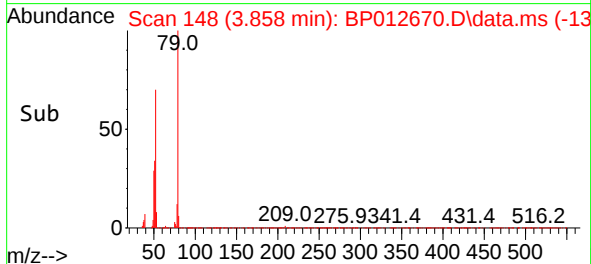
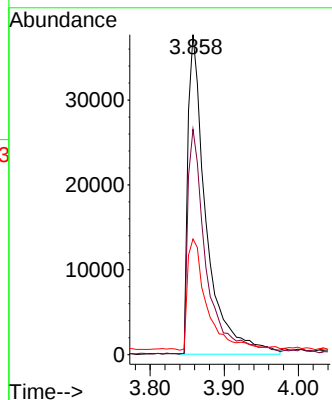
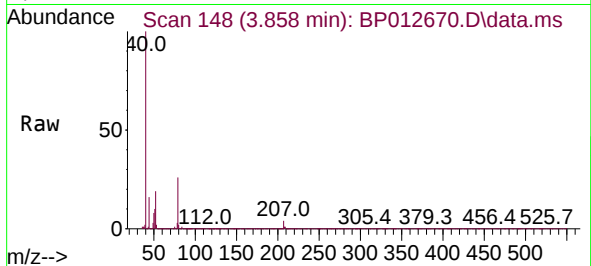
#3
Pyridine
Concen: 4.024 ng
RT: 3.858 min Scan# 147
Delta R.T. 0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion: 79 Resp: 6435
Ion Ratio Lower Upper
79 100
52 70.4 56.1 84.1
51 36.2 28.1 42.1

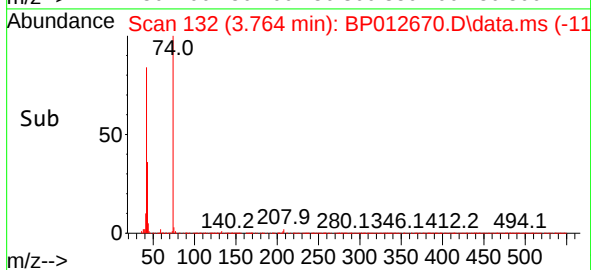
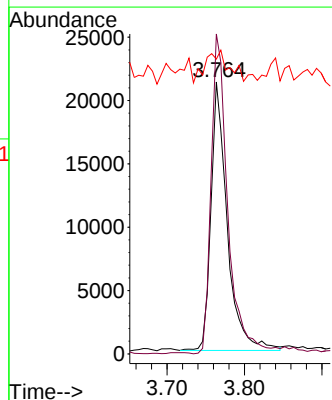
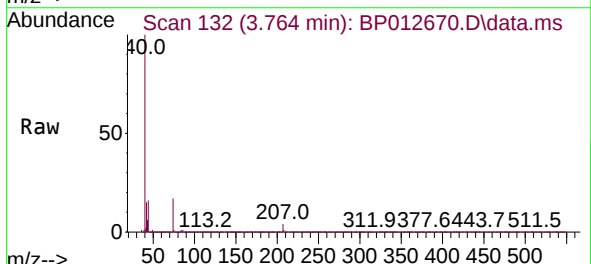
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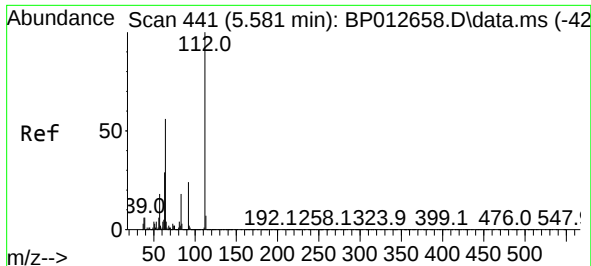
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#4
n-Nitrosodimethylamine
Concen: 4.538 ng
RT: 3.764 min Scan# 132
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion: 42 Resp: 30992
Ion Ratio Lower Upper
42 100
74 117.7 103.5 155.3
44 108.4 6.4 9.6





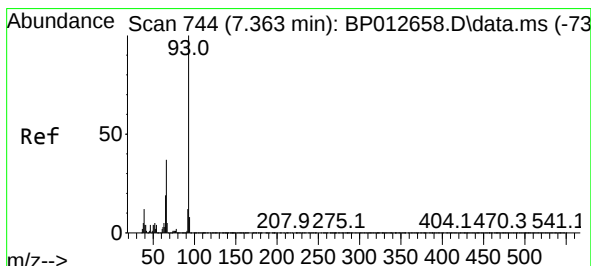
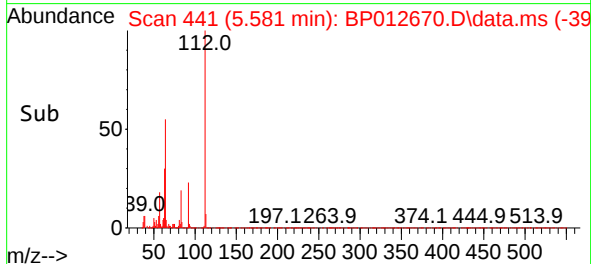
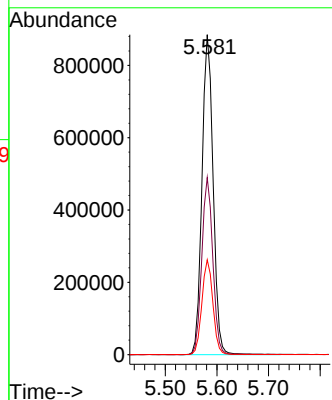
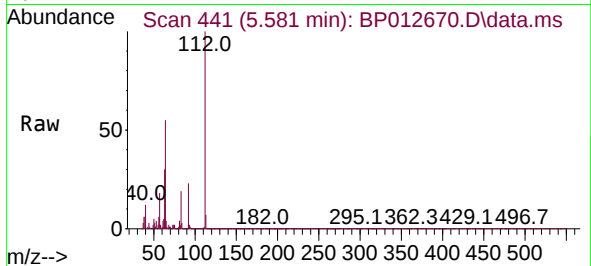
#5
2-Fluorophenol
Concen: 104.774 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:112 Resp: 1321784
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 29.6 23.3 34.9

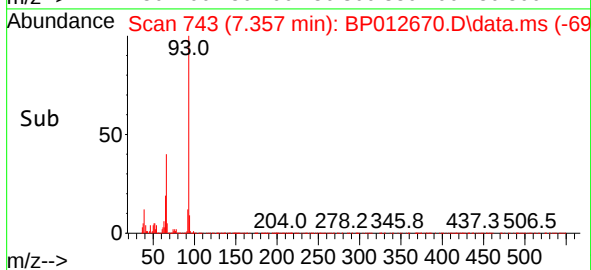
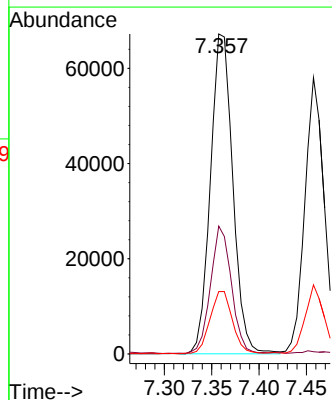
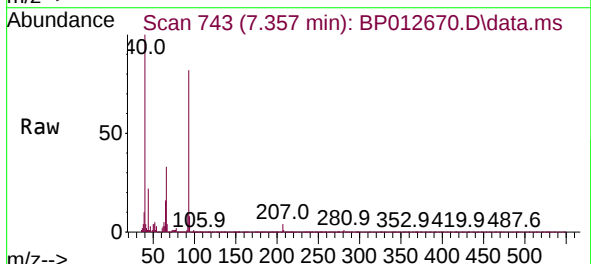
Manual Integrations
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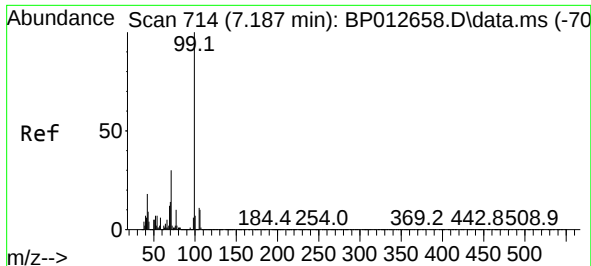
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 5.002 ng
RT: 7.357 min Scan# 743
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

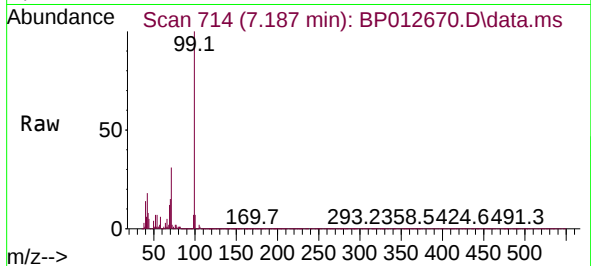
Tgt Ion: 93 Resp: 110702
Ion Ratio Lower Upper
93 100
66 39.9 29.9 44.9
65 19.5 15.4 23.2





#7
Phenol-d6
Concen: 104.830 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

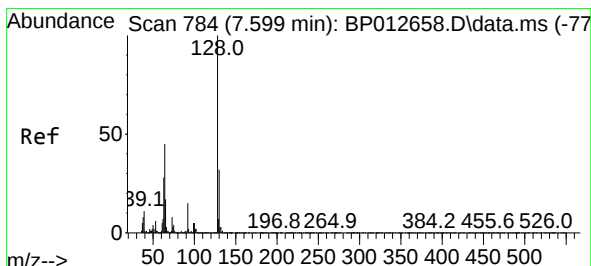
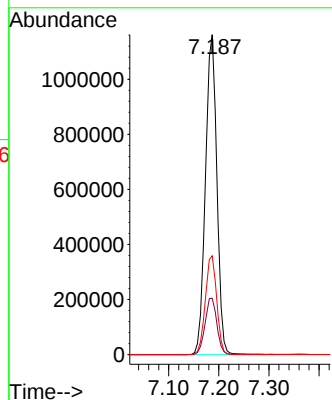
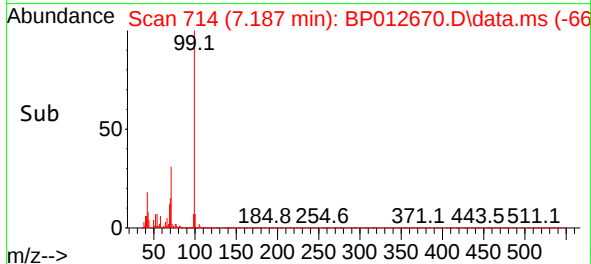
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 1841833
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.2
71 30.9 24.4 36.6

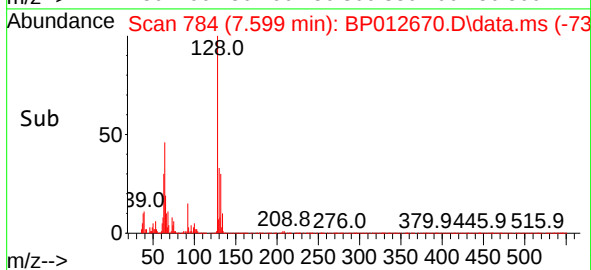
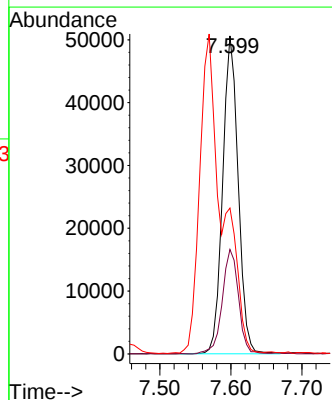
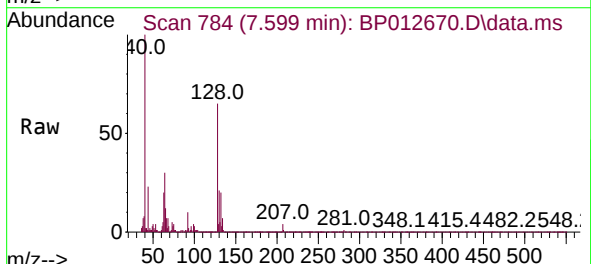
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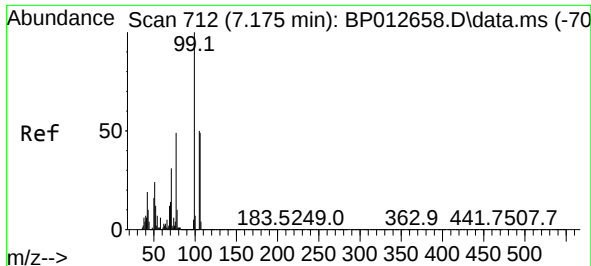
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 4.957 ng
RT: 7.599 min Scan# 784
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:128 Resp: 77222
Ion Ratio Lower Upper
128 100
130 32.8 12.0 52.0
64 45.9 25.5 65.5





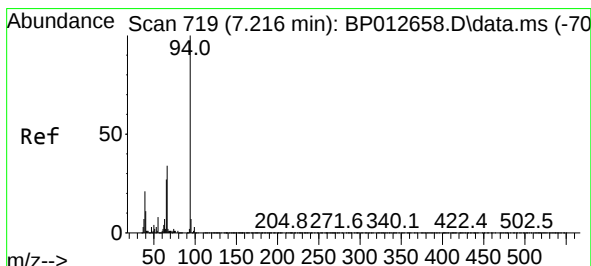
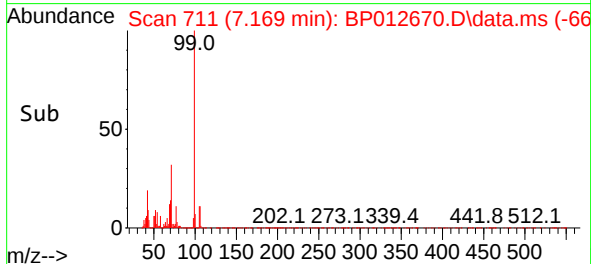
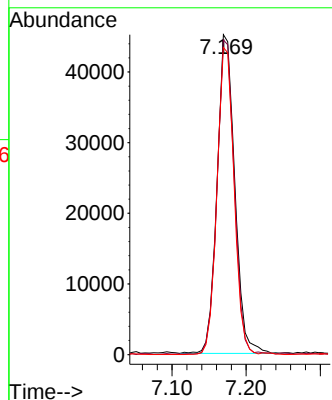
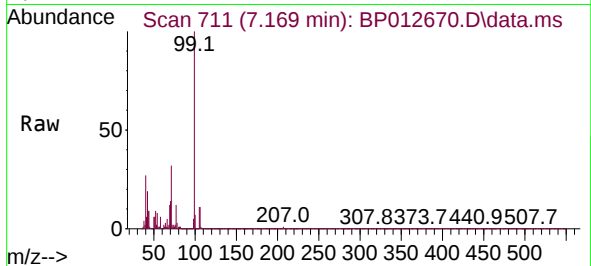
#9
Benzaldehyde
Concen: 7.306 ng
RT: 7.169 min Scan# 711
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion: 77 Resp: 74860
Ion Ratio Lower Upper
77 100
105 98.3 82.0 122.0
106 96.0 79.6 119.6

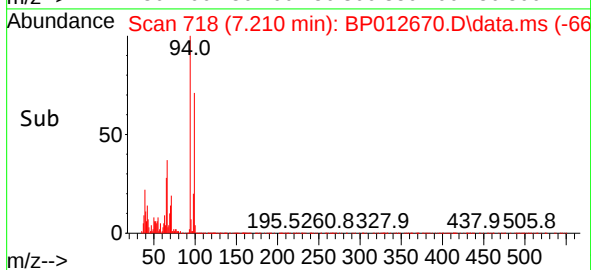
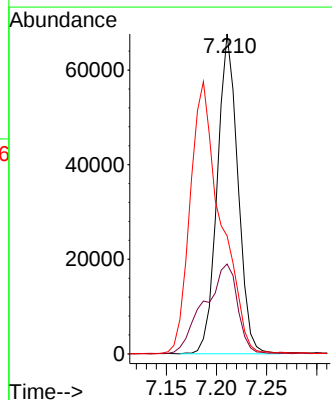
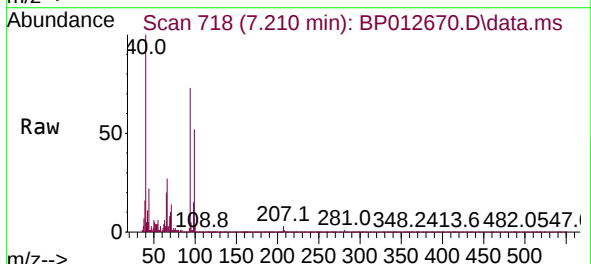
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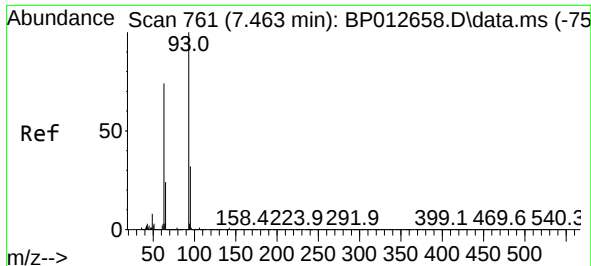
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#10
Phenol
Concen: 4.892 ng
RT: 7.210 min Scan# 718
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion: 94 Resp: 96833
Ion Ratio Lower Upper
94 100
65 28.1 6.8 46.8
66 36.9 13.9 53.9





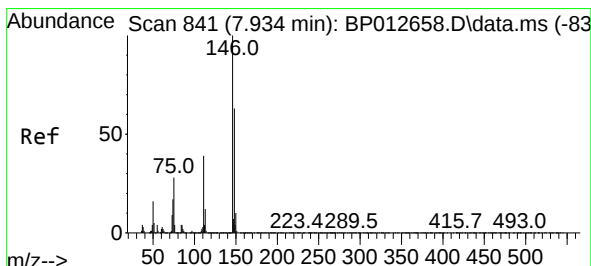
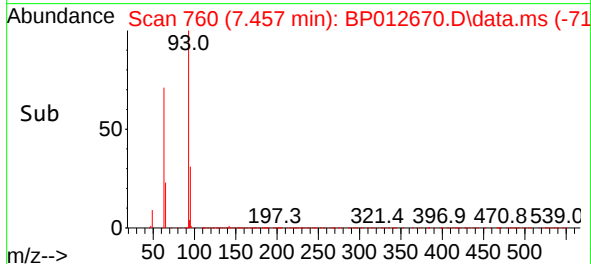
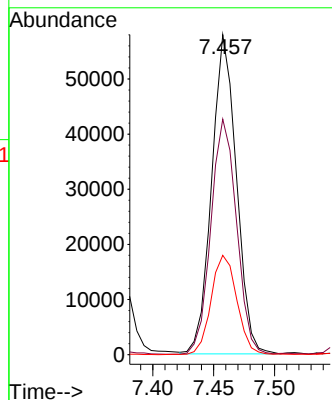
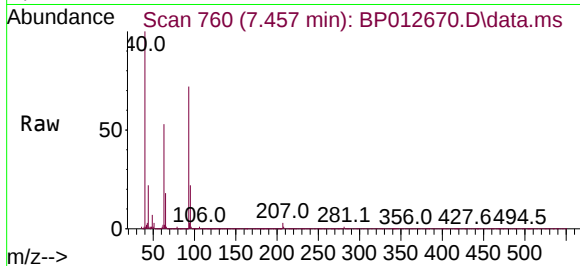
#11
bis(2-Chloroethyl)ether
Concen: 5.187 ng
RT: 7.457 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion: 93 Resp: 81790
Ion Ratio Lower Upper
93 100
63 73.6 53.9 93.9
95 31.0 12.3 52.3

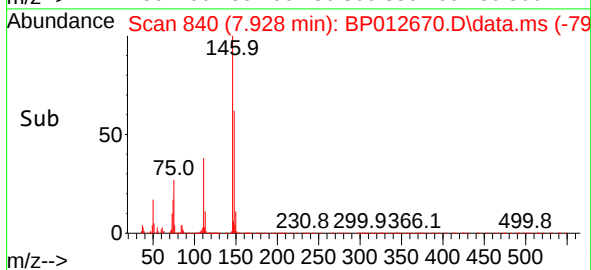
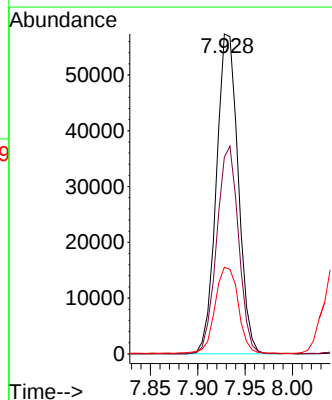
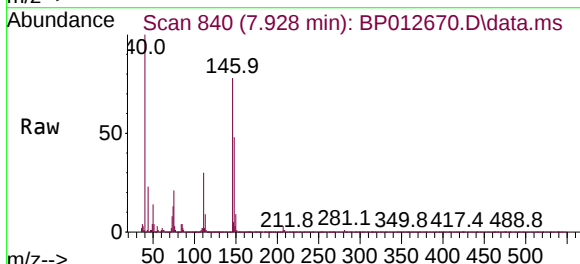
Manual Integrations
APPROVED

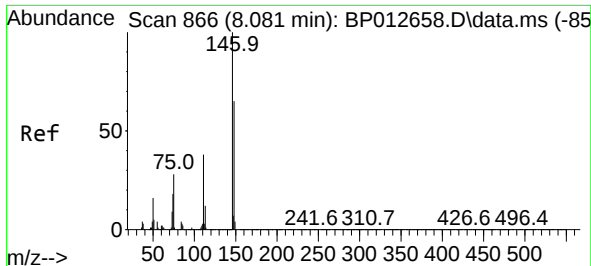
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 5.307 ng
RT: 7.928 min Scan# 840
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:146 Resp: 91754
Ion Ratio Lower Upper
146 100
148 61.5 50.6 76.0
75 27.1 22.5 33.7





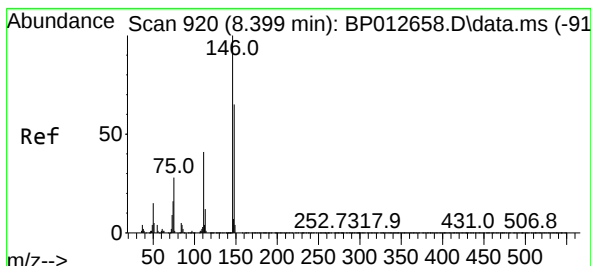
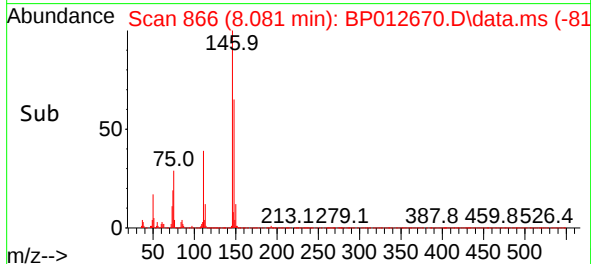
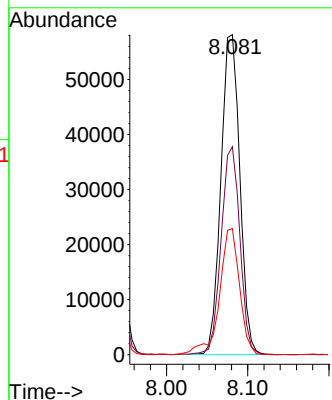
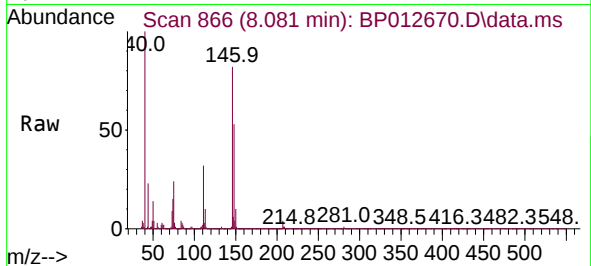
#13
1,4-Dichlorobenzene
Concen: 5.331 ng
RT: 8.081 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:146 Resp: 93982
Ion Ratio Lower Upper
146 100
148 65.0 52.2 78.4
111 39.4 30.6 45.8

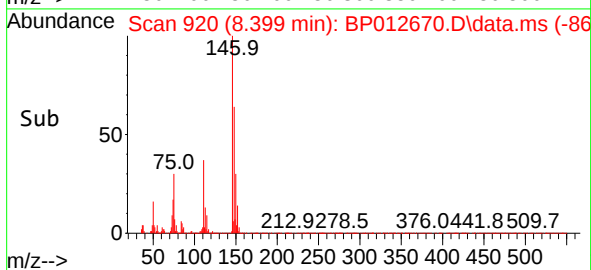
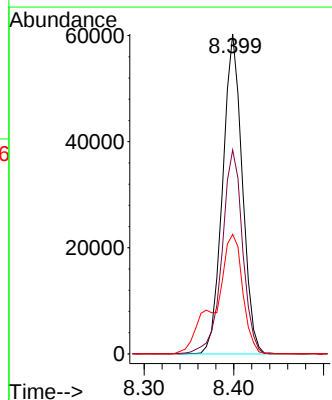
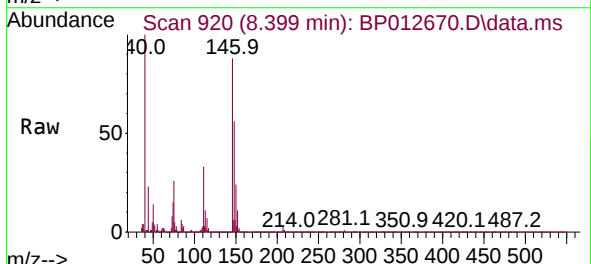
Manual Integrations
APPROVED

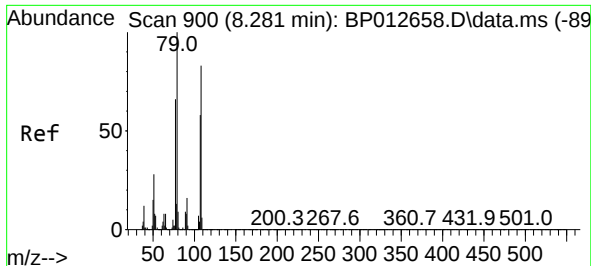
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#14
1,2-Dichlorobenzene
Concen: 5.418 ng
RT: 8.399 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:146 Resp: 91659
Ion Ratio Lower Upper
146 100
148 63.7 52.1 78.1
111 37.4 32.8 49.2





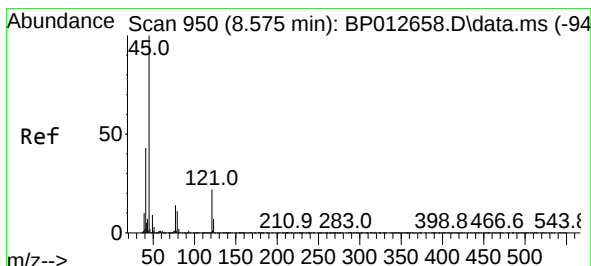
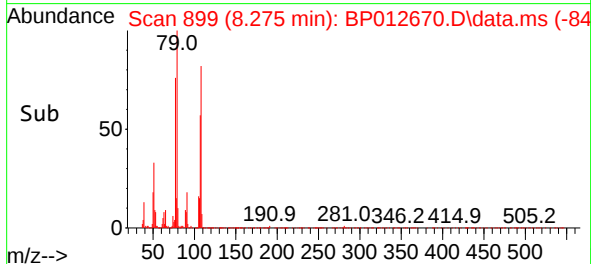
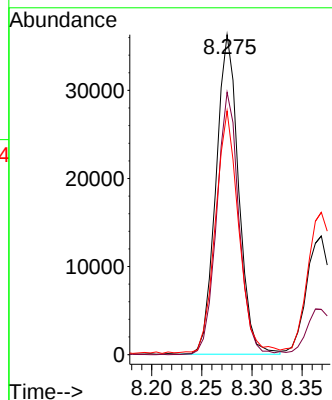
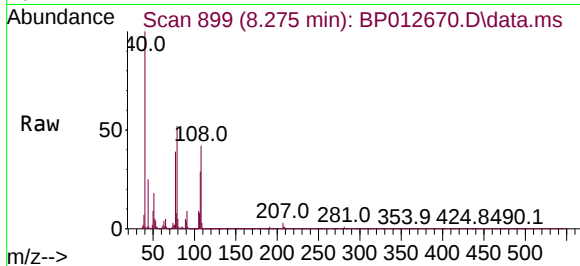
#15
Benzyl Alcohol
Concen: 4.360 ng
RT: 8.275 min Scan# 89
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion: 79 Resp: 57078
Ion Ratio Lower Upper
79 100
108 82.0 66.4 99.6
77 76.2 53.2 79.8

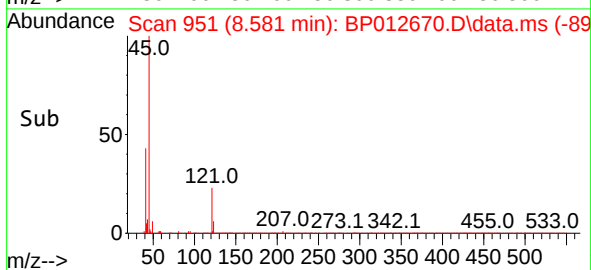
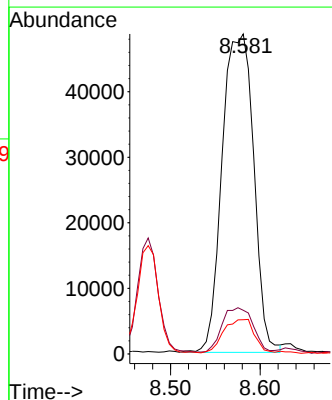
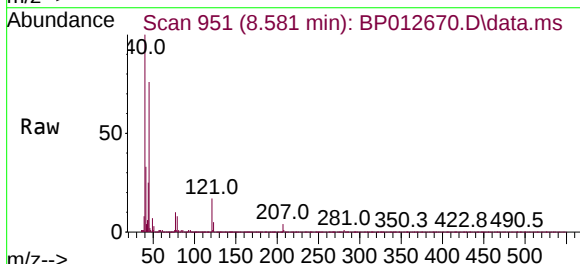
Manual Integrations
APPROVED

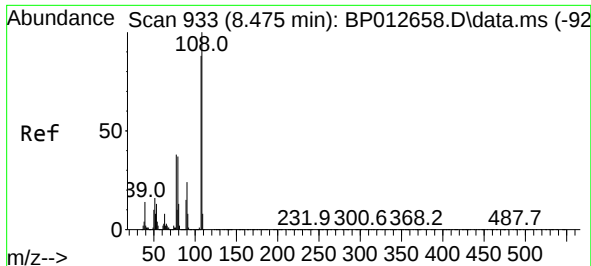
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.352 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion: 45 Resp: 119066
Ion Ratio Lower Upper
45 100
77 13.6 0.0 33.8
79 10.7 0.0 30.7





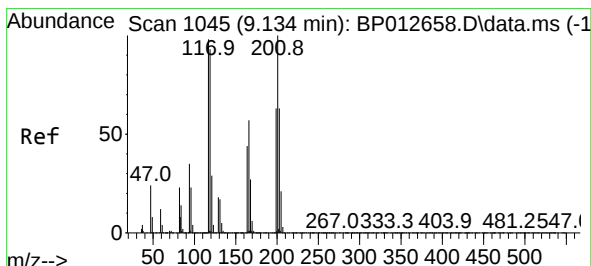
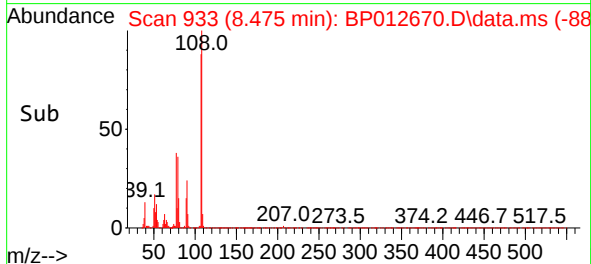
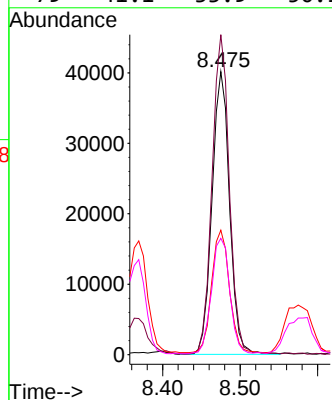
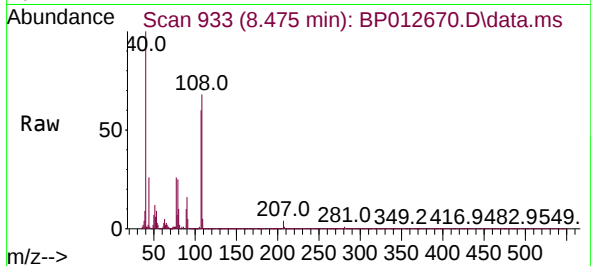
#17
2-Methylphenol
Concen: 4.592 ng
RT: 8.475 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:	107	Resp:	6302
Ion Ratio	Lower	Upper	
107	100		
108	113.1	91.0	136.6
77	44.0	35.1	52.7
79	41.1	33.9	50.9

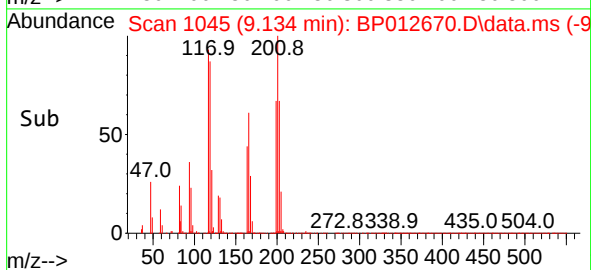
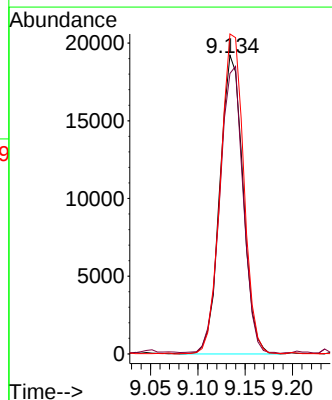
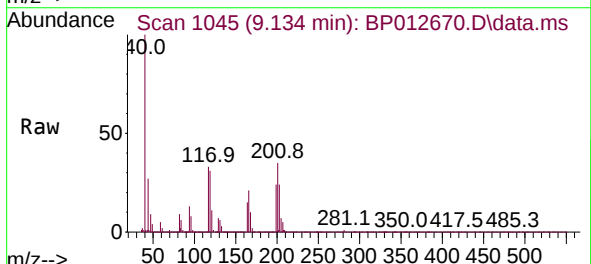
Manual Integrations
APPROVED

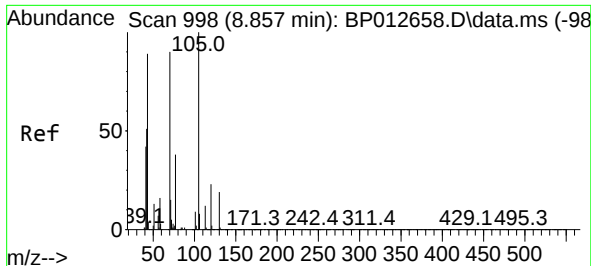
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 5.550 ng
RT: 9.134 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:	117	Resp:	32696
Ion Ratio	Lower	Upper	
117	100		
119	93.9	76.1	114.1
201	107.2	81.8	122.8





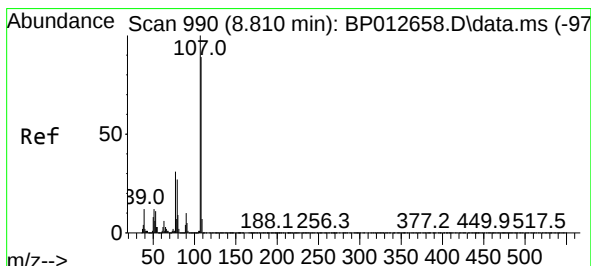
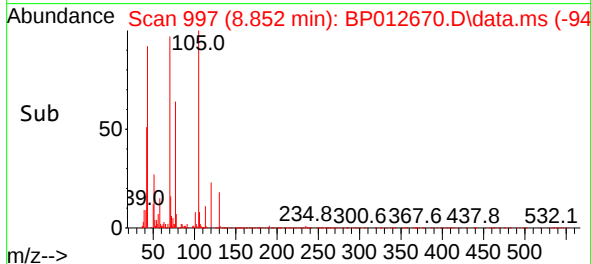
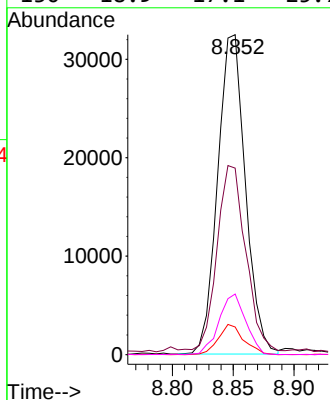
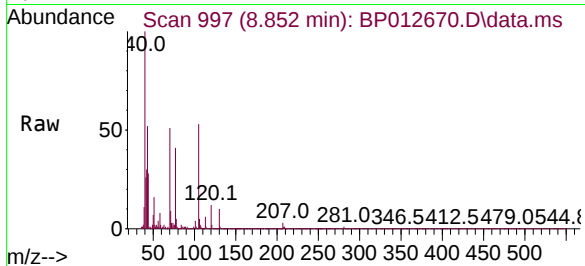
#19
n-Nitroso-di-n-propylamine
Concen: 4.313 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion: 70 Resp: 51510
Ion Ratio Lower Upper
70 100
42 58.3 46.4 69.6
101 8.6 7.6 11.4
130 18.9 17.1 25.7

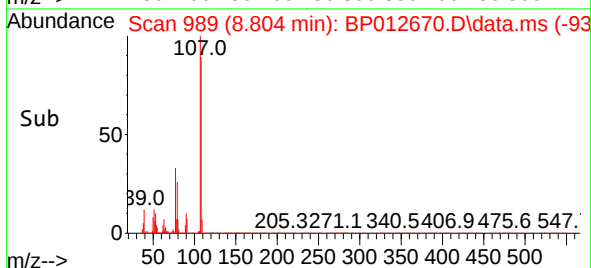
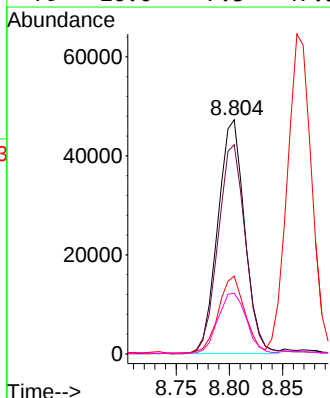
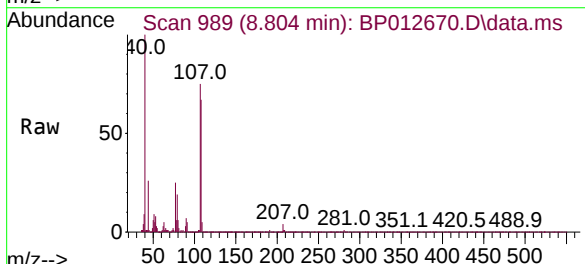
Manual Integrations
APPROVED

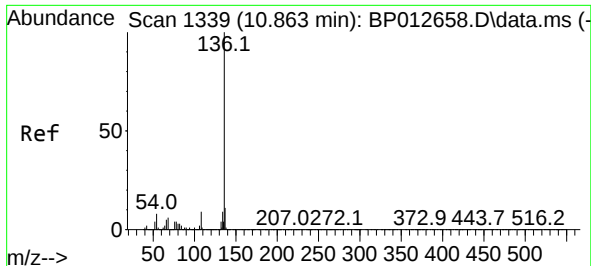
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 4.318 ng
RT: 8.804 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

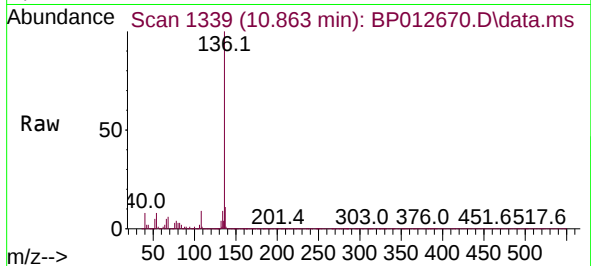
Tgt Ion: 107 Resp: 83035
Ion Ratio Lower Upper
107 100
108 89.3 69.1 109.1
77 33.2 10.8 50.8
79 26.0 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.863 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

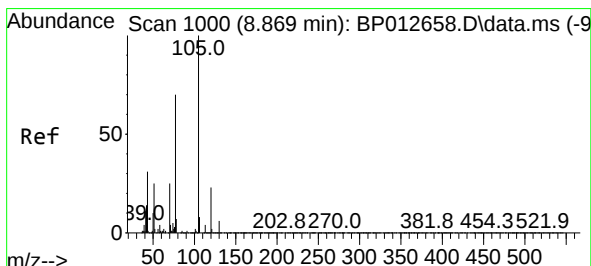
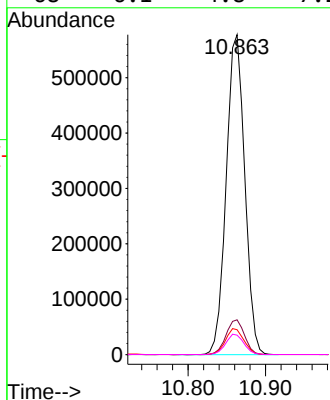
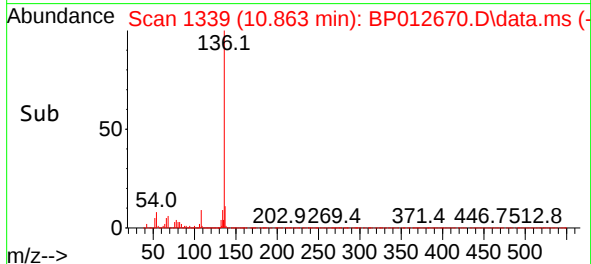
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:136 Resp: 960554
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.8 6.3 9.5
68 6.1 4.8 7.2

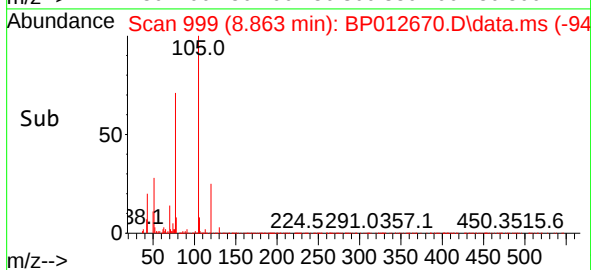
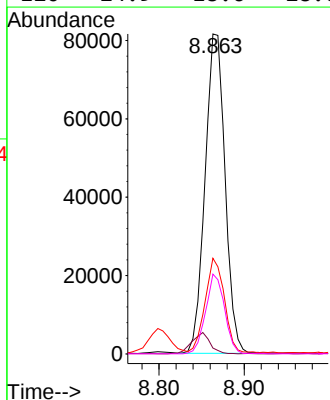
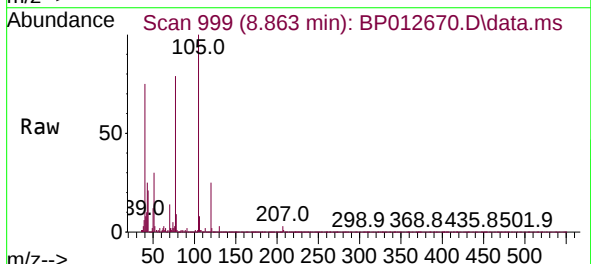
Manual Integrations
APPROVED

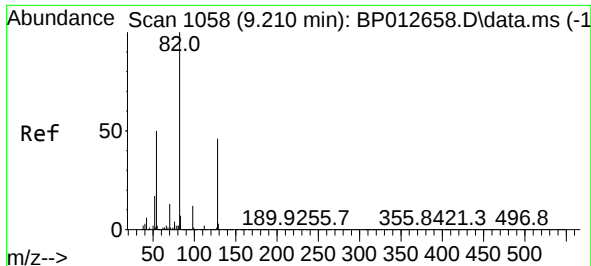
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#22
Acetophenone
Concen: 5.559 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:105 Resp: 133300
Ion Ratio Lower Upper
105 100
71 1.8 3.1 4.7#
51 29.9 21.4 32.2
120 24.9 18.6 28.0





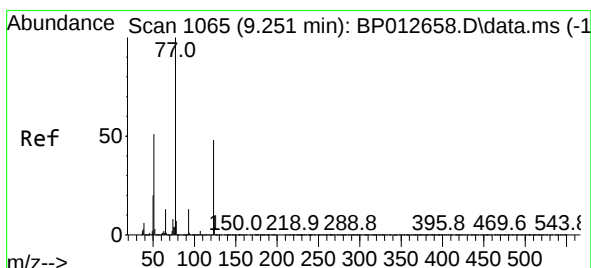
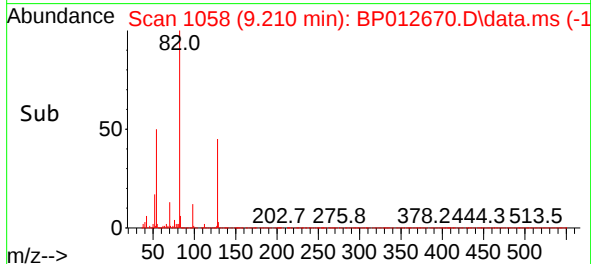
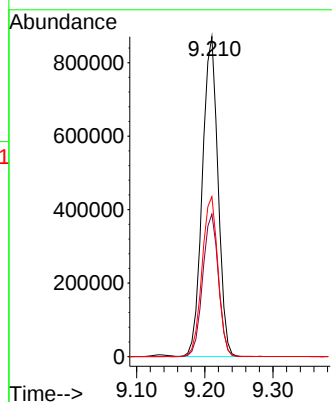
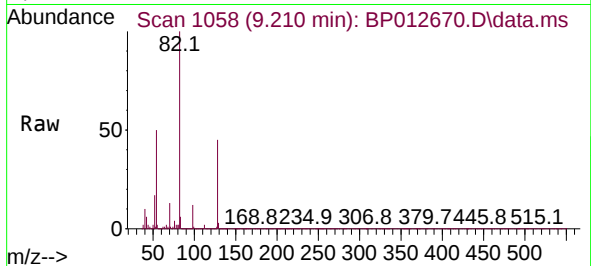
#23
Nitrobenzene-d5
Concen: 91.018 ng
RT: 9.210 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion: 82 Resp: 139050
Ion Ratio Lower Upper
82 100
128 44.5 36.5 54.7
54 50.0 39.9 59.9

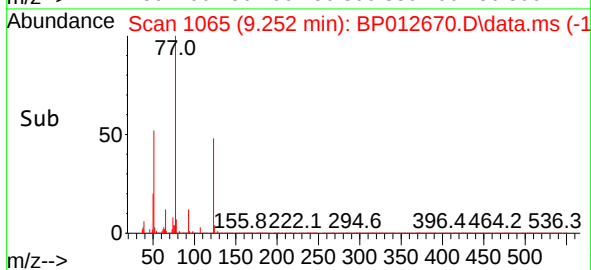
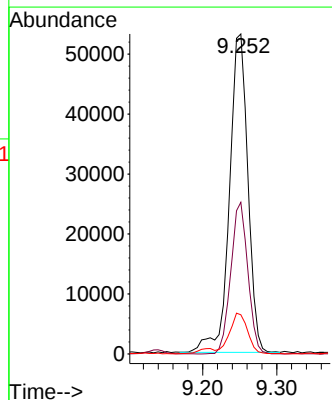
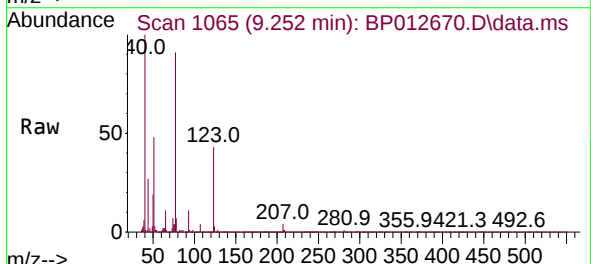
Manual Integrations
APPROVED

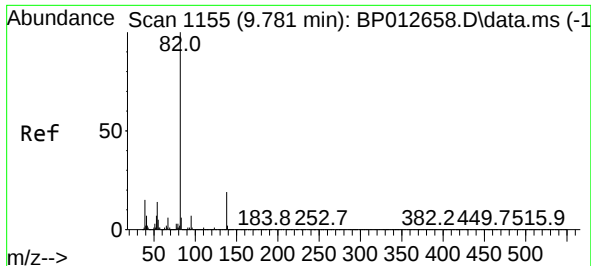
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 5.568 ng
RT: 9.252 min Scan# 1065
Delta R.T. 0.001 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

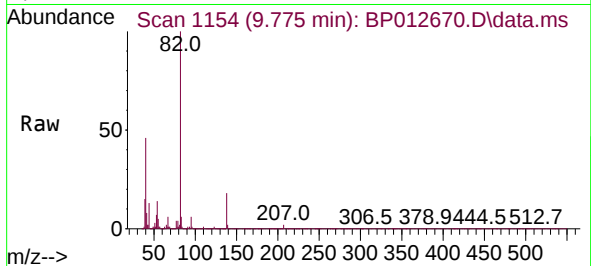
Tgt Ion: 77 Resp: 91857
Ion Ratio Lower Upper
77 100
123 47.4 38.7 58.1
65 12.2 10.6 15.8





#25
Isophorone
Concen: 5.189 ng
RT: 9.775 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

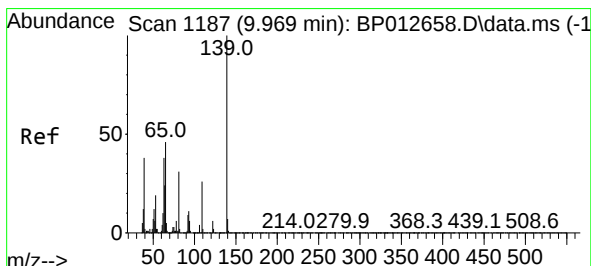
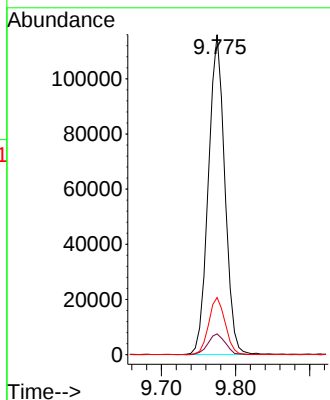
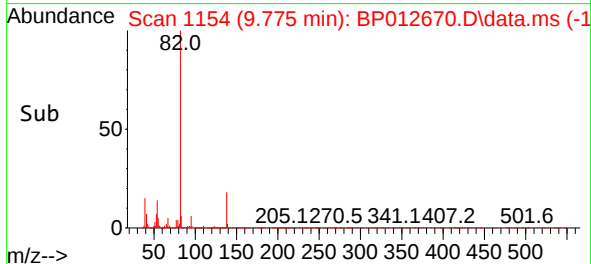
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 82 Resp: 178336
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 17.9 14.9 22.3

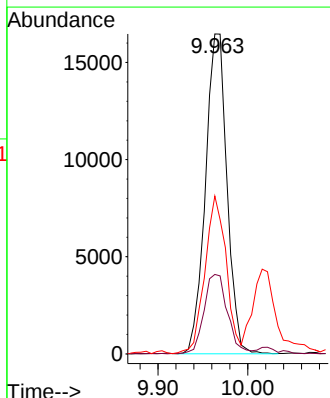
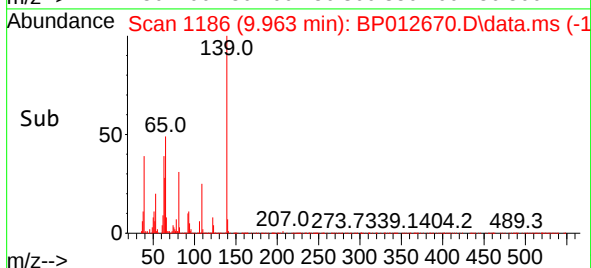
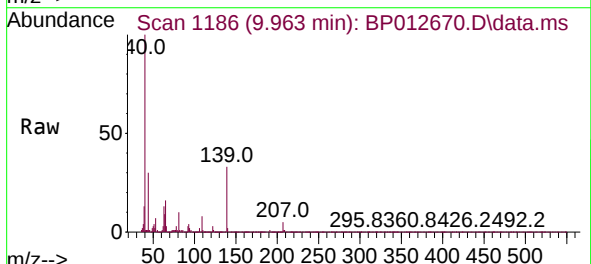
Manual Integrations
APPROVED

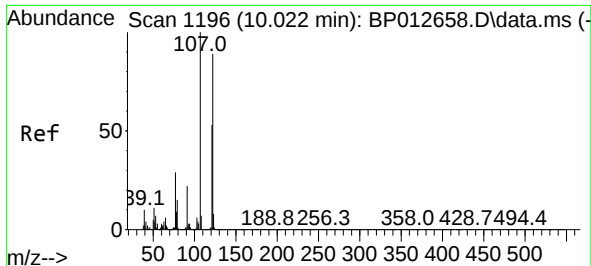
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 3.842 ng
RT: 9.963 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:139 Resp: 27488
Ion Ratio Lower Upper
139 100
109 24.8 20.9 31.3
65 49.3 36.6 54.8





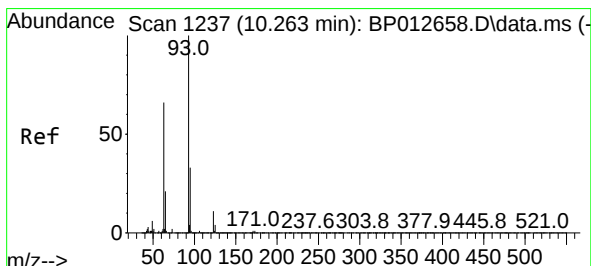
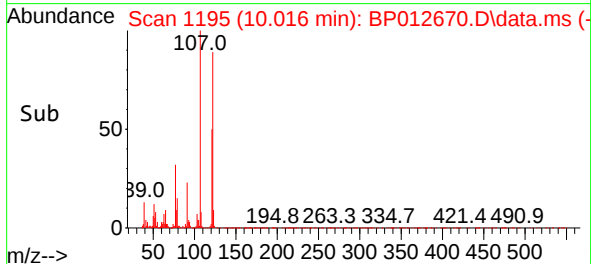
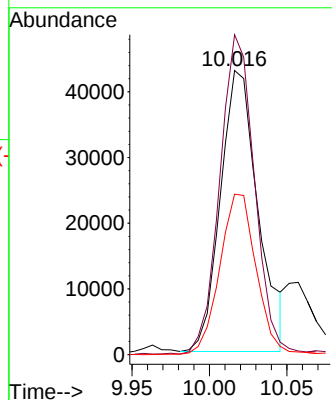
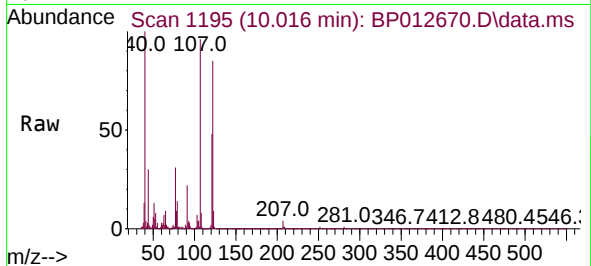
#27
2,4-Dimethylphenol
Concen: 5.364 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:122 Resp: 72413
Ion Ratio Lower Upper
122 100
107 112.7 89.2 133.8
121 56.4 47.1 70.7

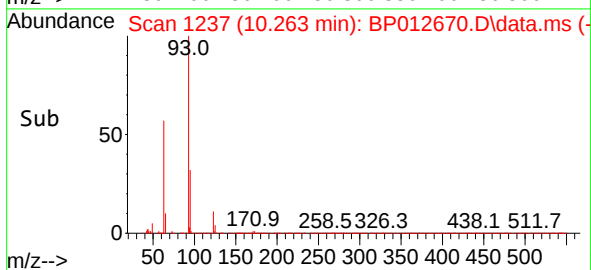
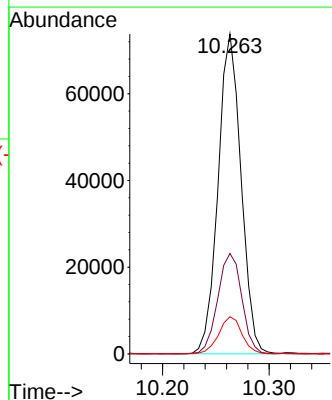
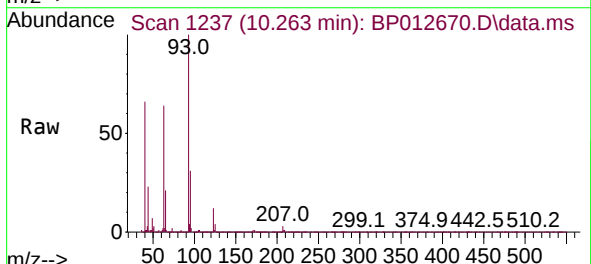
Manual Integrations
APPROVED

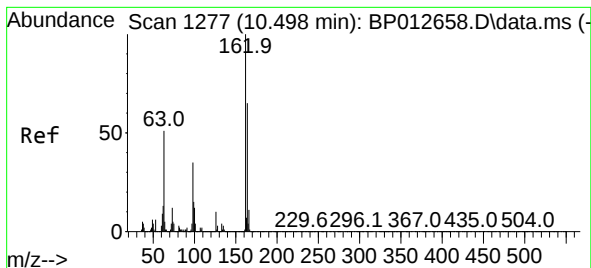
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#28
bis(2-Chloroethoxy)methane
Concen: 5.669 ng
RT: 10.263 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion: 93 Resp: 110795
Ion Ratio Lower Upper
93 100
95 31.4 26.2 39.4
123 11.6 9.1 13.7





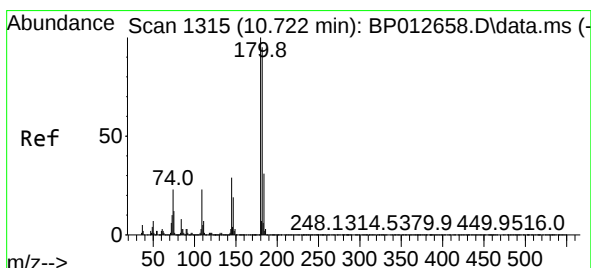
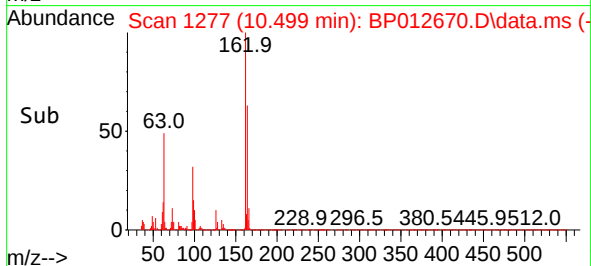
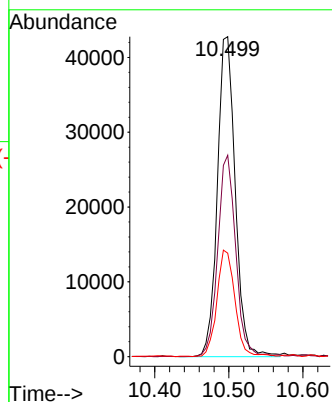
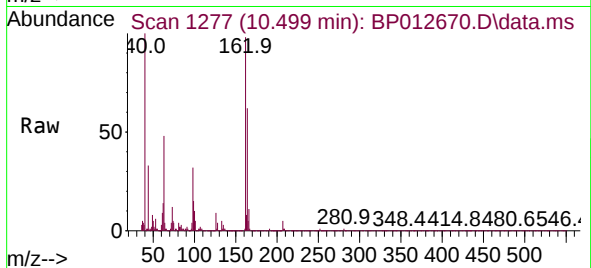
#29
2,4-Dichlorophenol
Concen: 4.563 ng
RT: 10.499 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:162 Resp: 7159
Ion Ratio Lower Upper
162 100
164 62.9 44.7 84.7
98 32.3 14.9 54.9

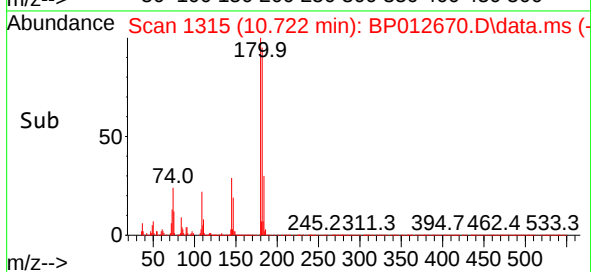
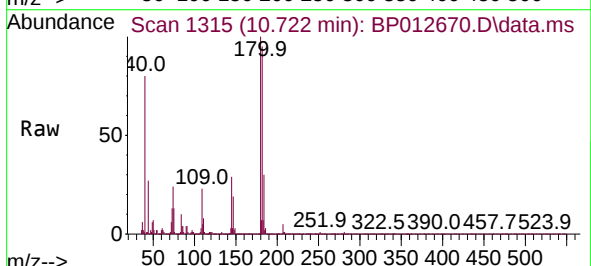
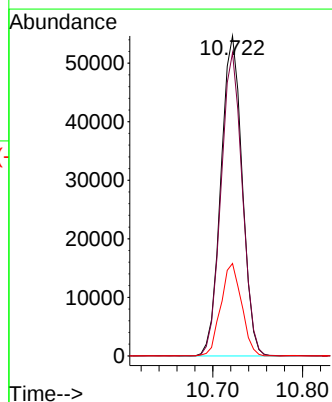
Manual Integrations
APPROVED

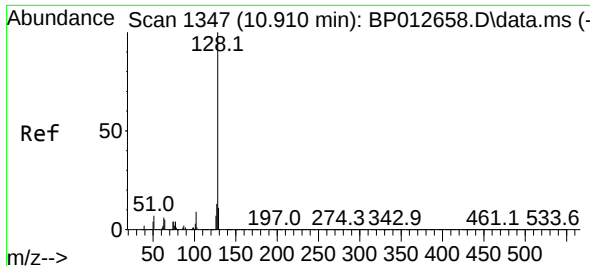
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#30
1,2,4-Trichlorobenzene
Concen: 5.356 ng
RT: 10.722 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

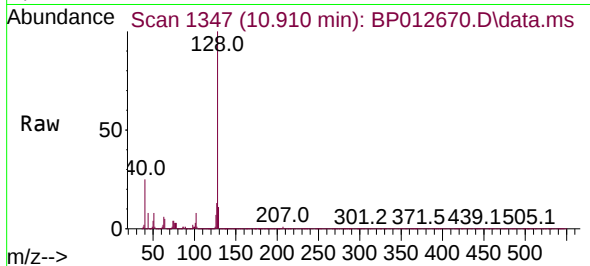
Tgt Ion:180 Resp: 90215
Ion Ratio Lower Upper
180 100
182 94.7 76.1 114.1
145 28.9 23.0 34.4





#31
Naphthalene
Concen: 5.329 ng
RT: 10.910 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

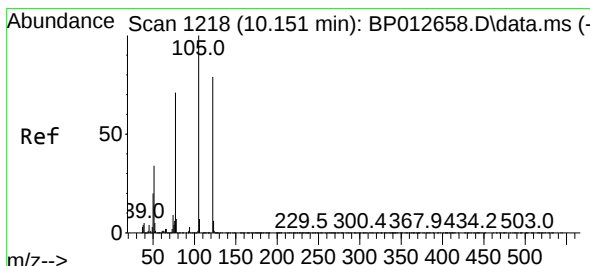
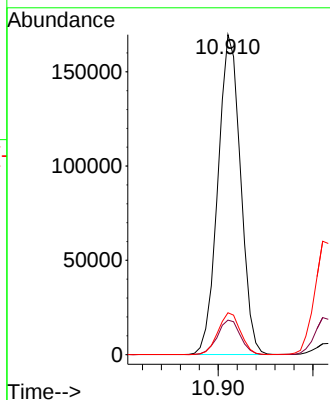
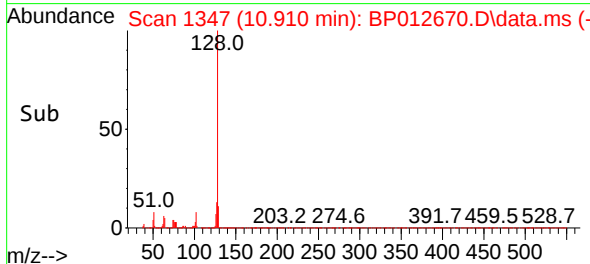
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 281391
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.1 10.5 15.7

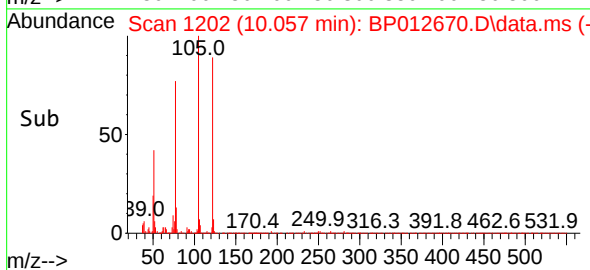
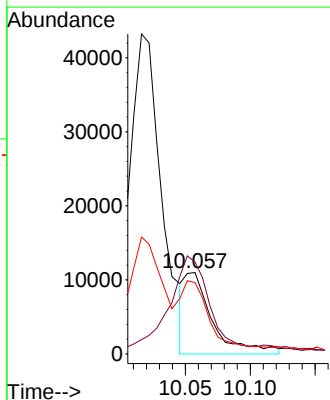
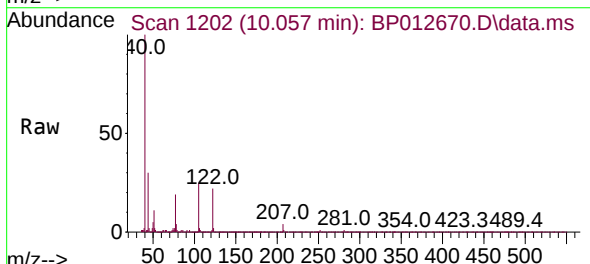
Manual Integrations
APPROVED

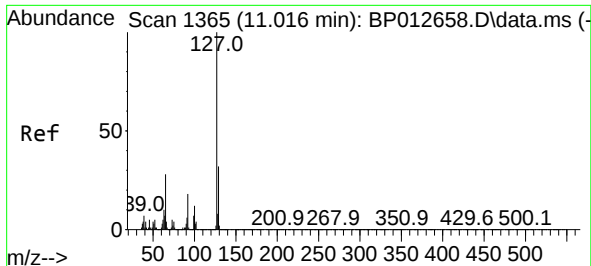
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 1.564 ng m
RT: 10.057 min Scan# 1202
Delta R.T. -0.094 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:122 Resp: 16536
Ion Ratio Lower Upper
122 100
105 112.9 101.1 141.1
77 87.5 67.6 107.6





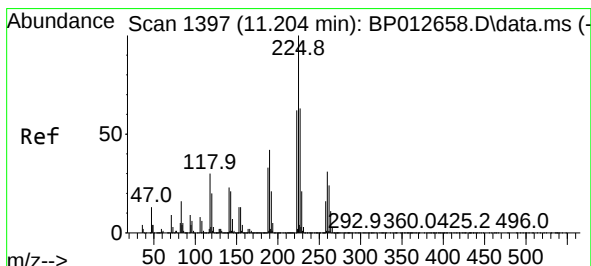
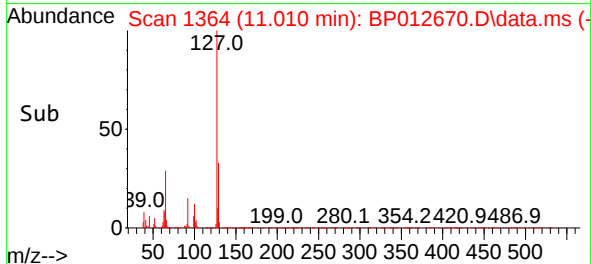
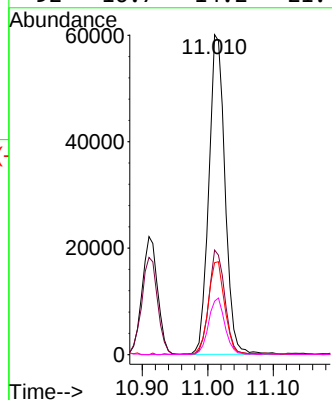
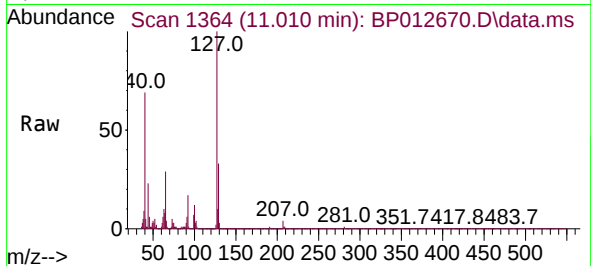
#33
4-Chloroaniline
Concen: 4.682 ng
RT: 11.010 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.0
65	28.7	22.6	33.8
92	16.7	14.2	21.4

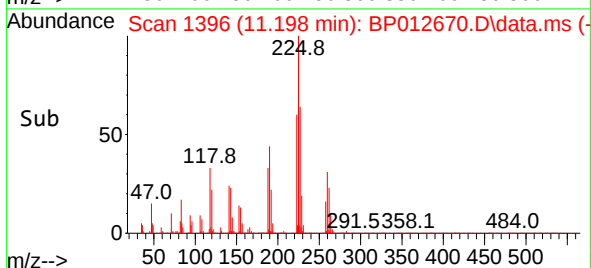
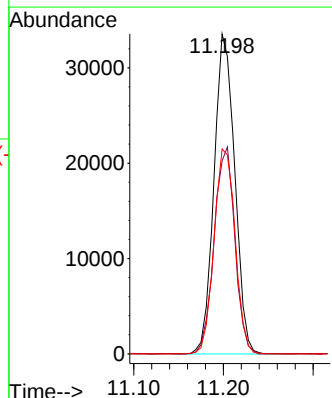
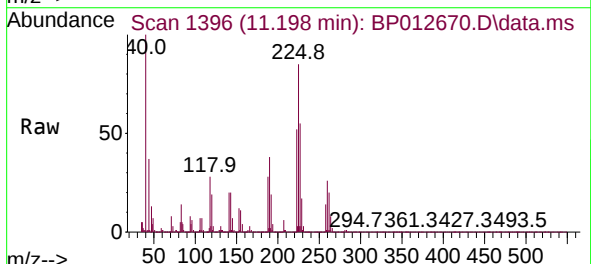
Manual Integrations
APPROVED

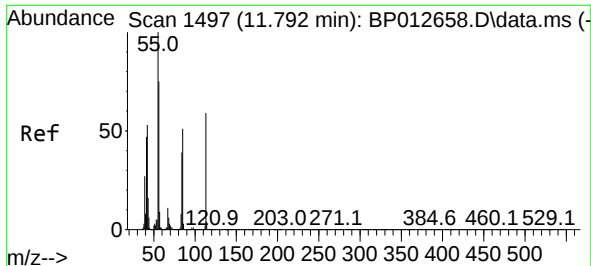
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 5.416 ng
RT: 11.198 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

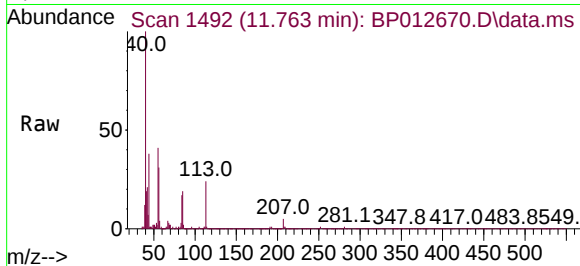
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	49.6	74.4
227	64.0	50.0	75.0





#35
Caprolactam
Concen: 3.852 ng
RT: 11.763 min Scan# 1497
Delta R.T. -0.029 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

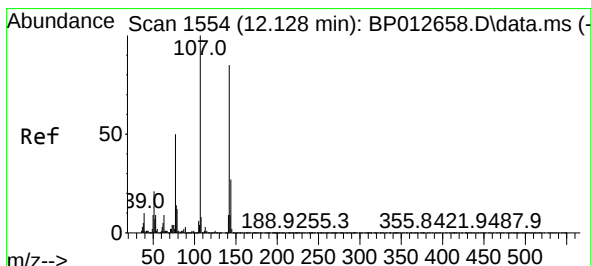
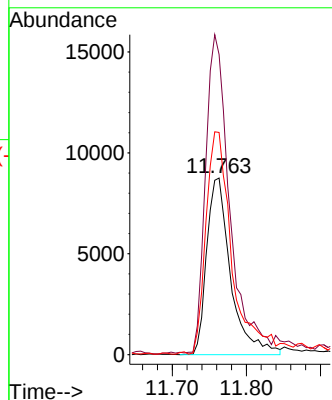
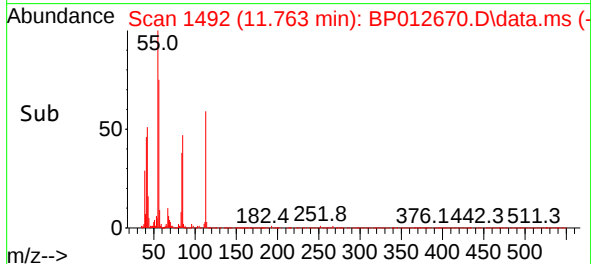
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



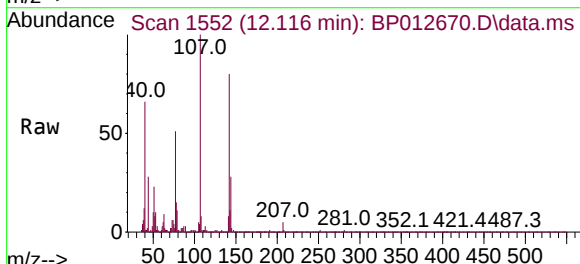
Tgt Ion:113 Resp: 19682
Ion Ratio Lower Upper
113 100
55 169.9 149.2 189.2
56 125.9 106.9 146.9

Manual Integrations
APPROVED

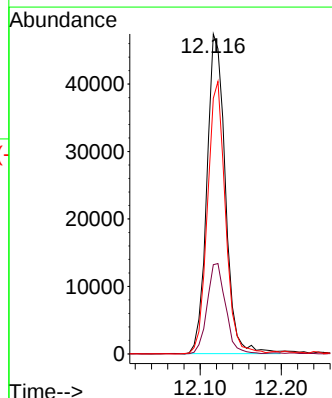
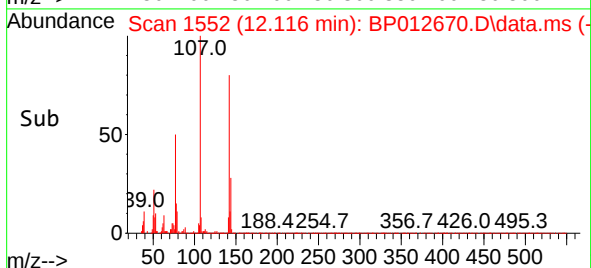
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

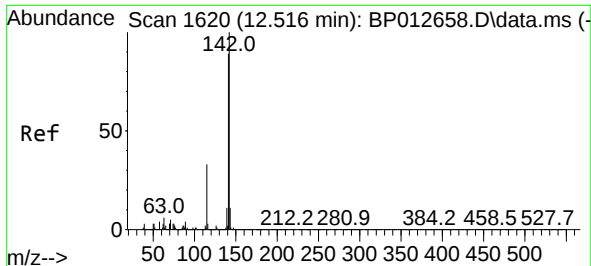


#36
4-Chloro-3-methylphenol
Concen: 4.449 ng
RT: 12.116 min Scan# 1552
Delta R.T. -0.012 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56



Tgt Ion:107 Resp: 74931
Ion Ratio Lower Upper
107 100
144 27.9 21.9 32.9
142 79.9 68.1 102.1





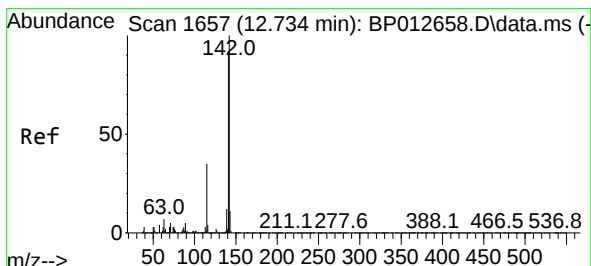
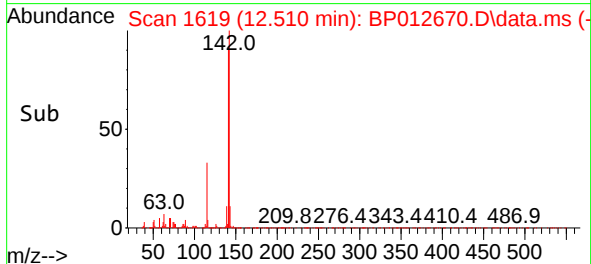
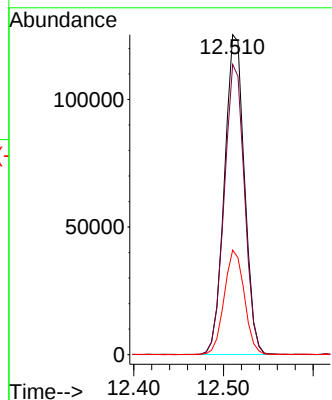
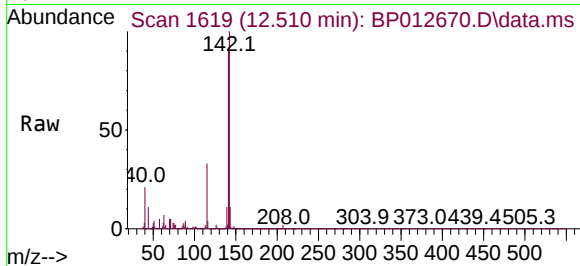
#37
2-Methylnaphthalene
Concen: 5.165 ng
RT: 12.510 min Scan# 1619
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:142 Resp: 195056
Ion Ratio Lower Upper
142 100
141 90.7 71.0 106.6
115 32.7 26.2 39.4

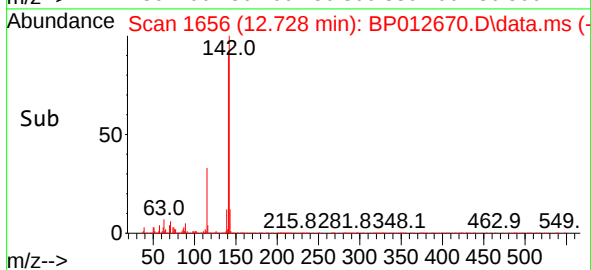
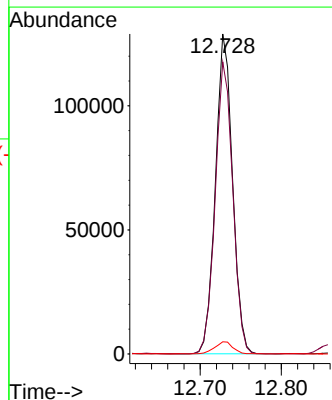
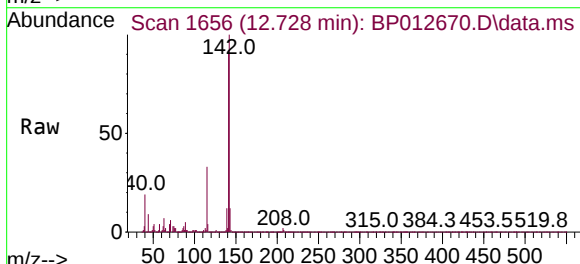
Manual Integrations
APPROVED

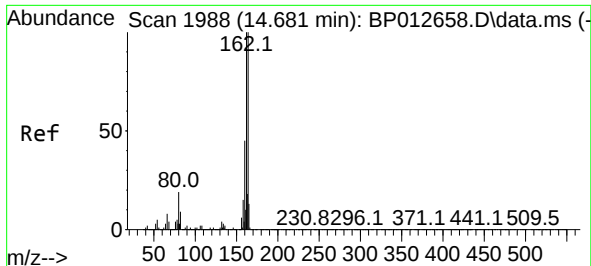
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#38
1-Methylnaphthalene
Concen: 5.091 ng
RT: 12.728 min Scan# 1656
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

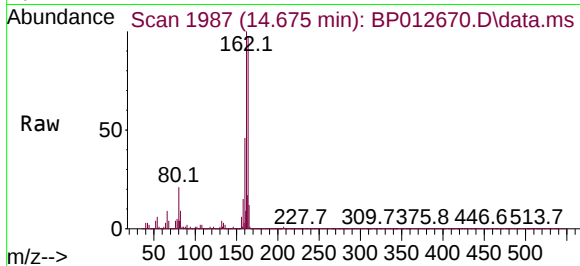
Tgt Ion:142 Resp: 188907
Ion Ratio Lower Upper
142 100
141 91.2 73.9 110.9
116 3.8 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.675 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

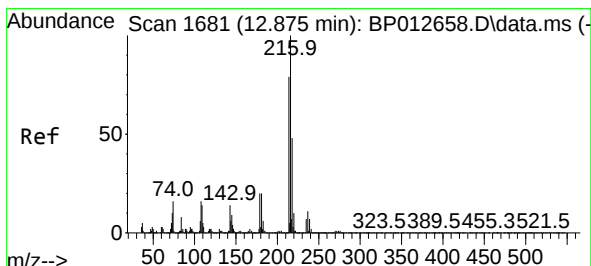
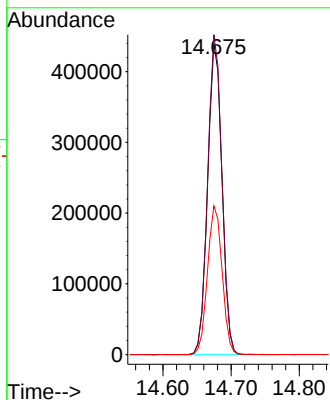
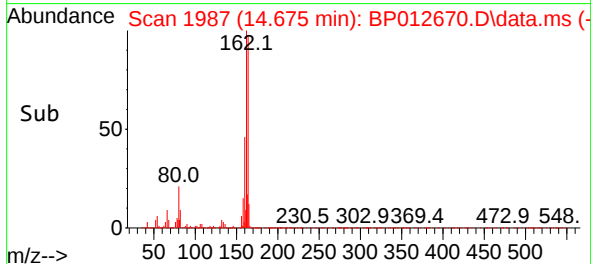
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:164 Resp: 64010
Ion Ratio Lower Upper
164 100
162 102.8 80.3 120.5
160 47.8 36.2 54.4

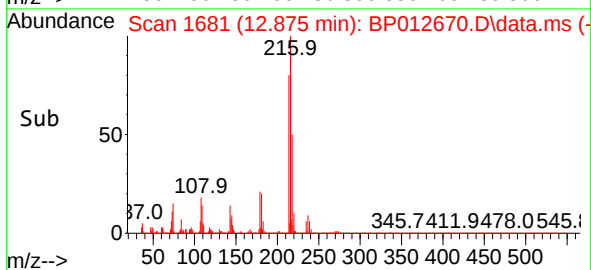
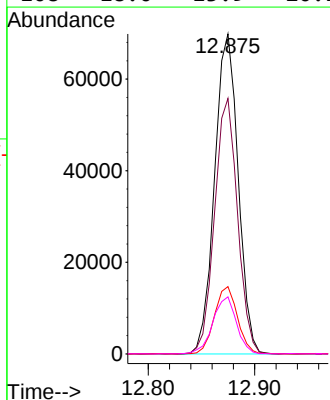
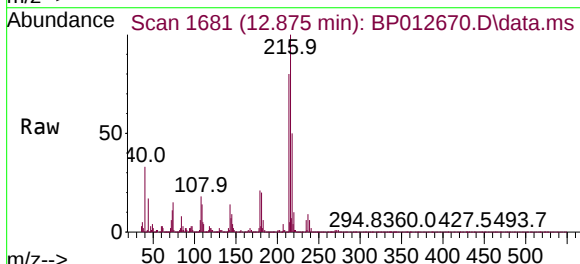
Manual Integrations
APPROVED

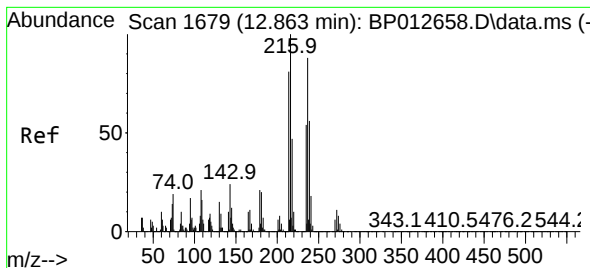
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.748 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:216 Resp: 107320
Ion Ratio Lower Upper
216 100
214 77.9 62.5 93.7
179 20.6 16.6 24.8
108 18.0 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 5.866 ng

RT: 12.857 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

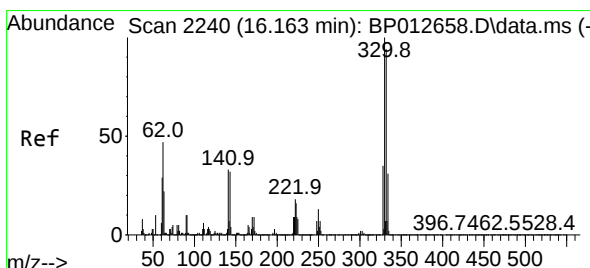
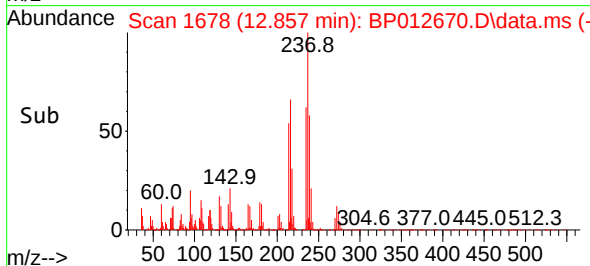
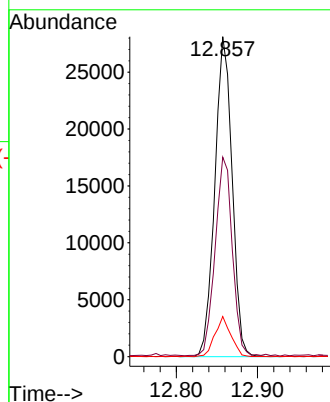
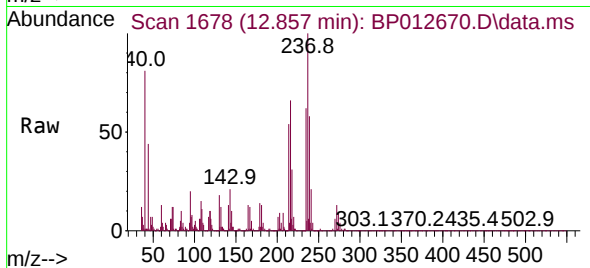
Tgt Ion:	237	Resp:	4165
Ion Ratio	Lower	Upper	
237	100		
235	62.3	41.7	81.7
272	12.5	0.0	32.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#42

2,4,6-Tribromophenol

Concen: 116.336 ng

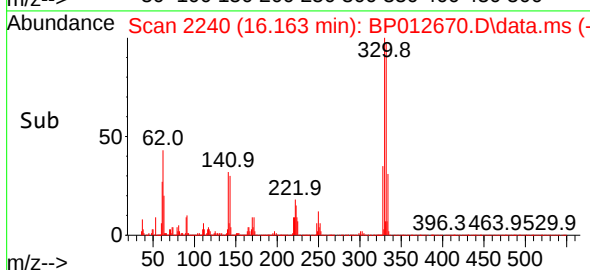
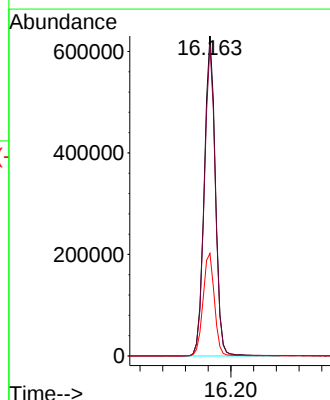
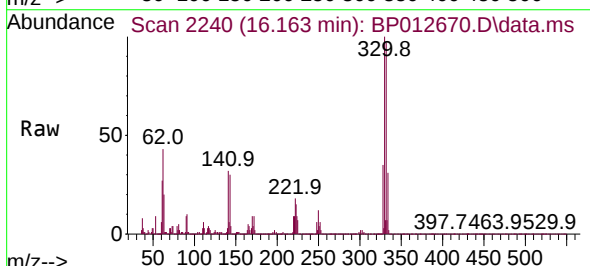
RT: 16.163 min Scan# 2240

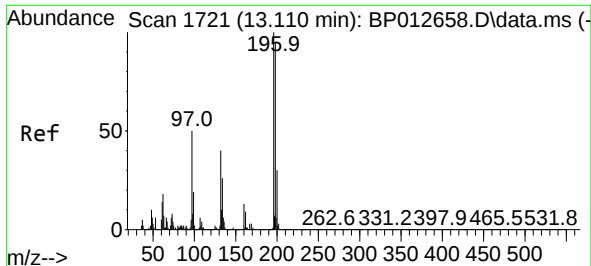
Delta R.T. 0.000 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

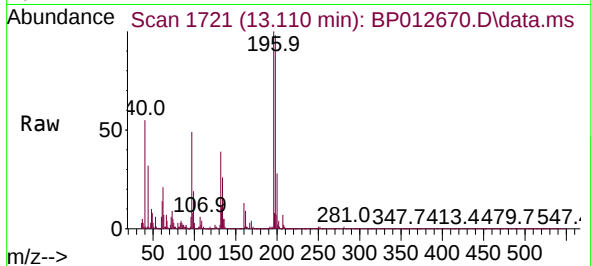
Tgt Ion:	330	Resp:	852191
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.0	115.4
141	33.0	26.7	40.1





#43
2,4,6-Trichlorophenol
Concen: 4.460 ng
RT: 13.110 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

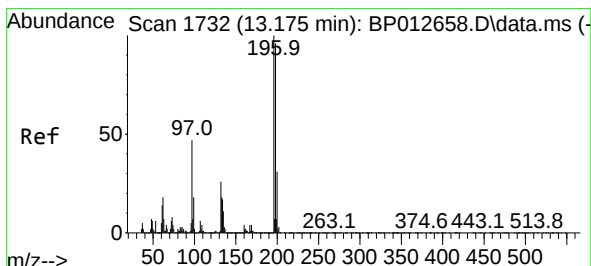
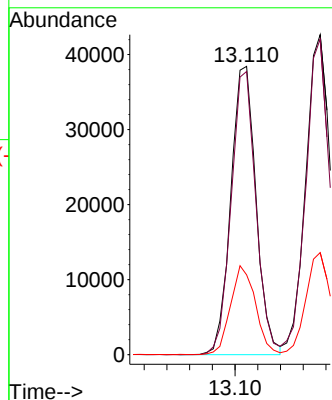
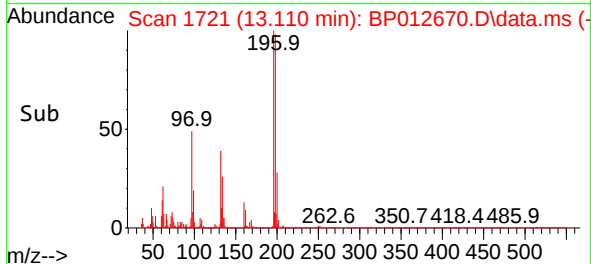
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



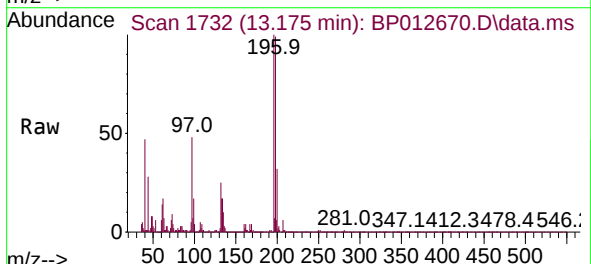
Tgt Ion:196 Resp: 5927
Ion Ratio Lower Upper
196 100
198 98.2 75.8 113.6
200 27.7 24.4 36.6

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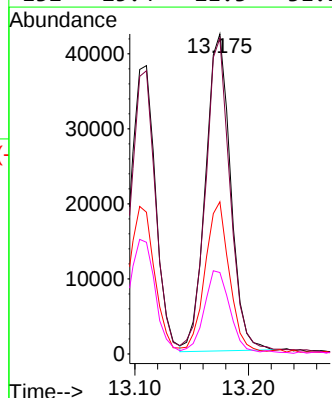
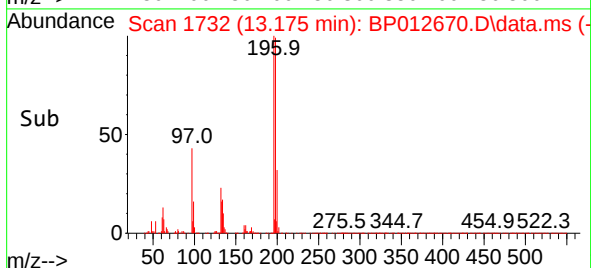
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

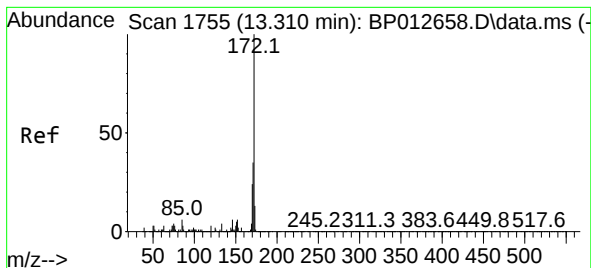


#44
2,4,5-Trichlorophenol
Concen: 4.391 ng
RT: 13.175 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56



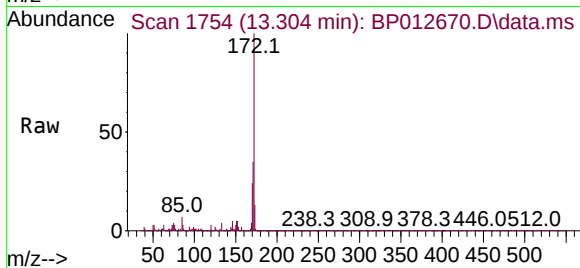
Tgt Ion:196 Resp: 64574
Ion Ratio Lower Upper
196 100
198 98.6 76.4 114.6
97 47.5 37.5 56.3
132 25.4 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 89.706 ng
RT: 13.304 min Scan# 1754
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

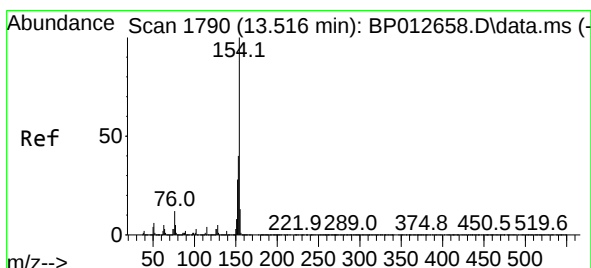
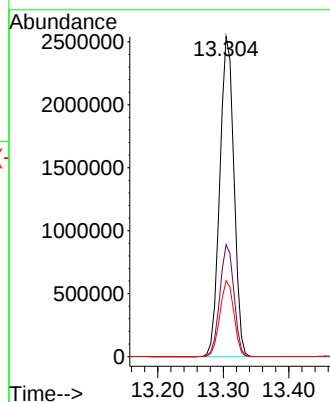
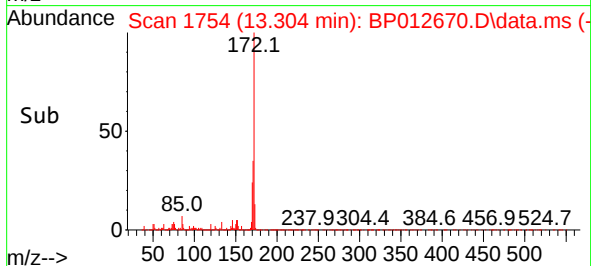
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:172 Resp: 381619
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.7 19.3 28.9

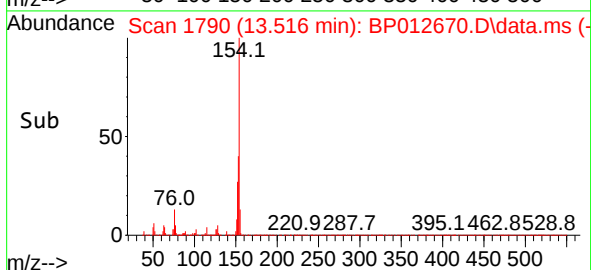
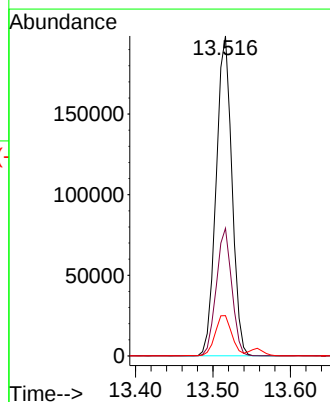
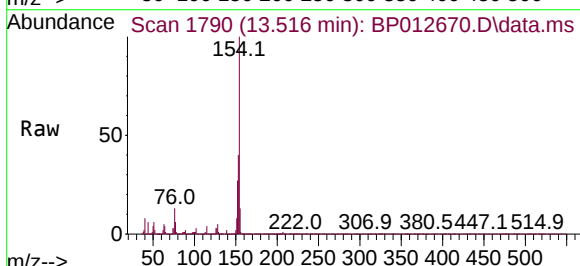
Manual Integrations
APPROVED

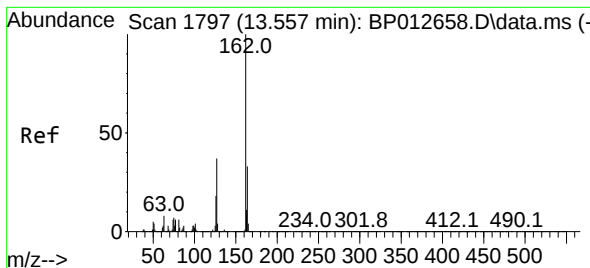
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#46
1,1'-Biphenyl
Concen: 5.876 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:154 Resp: 281272
Ion Ratio Lower Upper
154 100
153 39.9 19.6 59.6
76 12.6 0.0 32.4





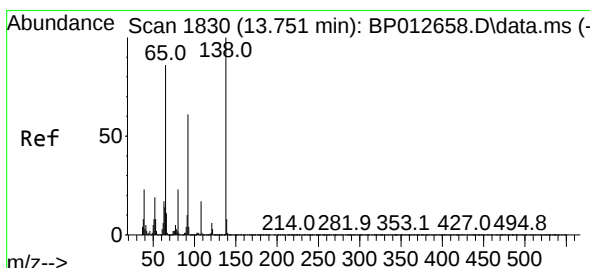
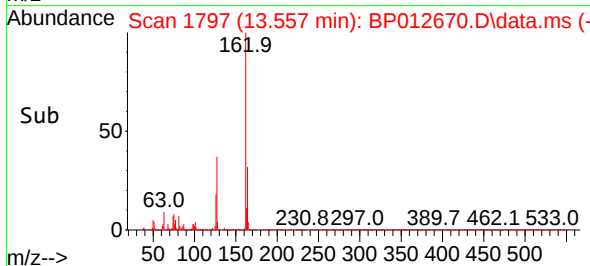
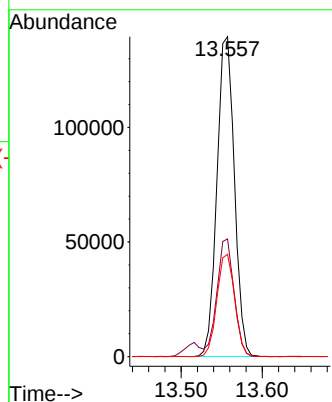
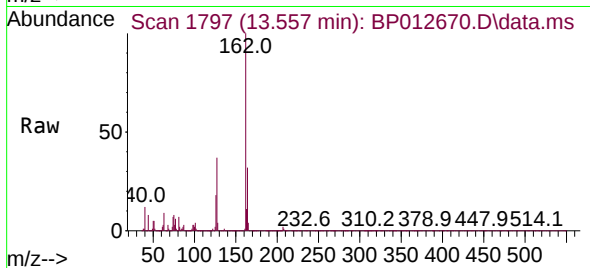
#47
2-Chloronaphthalene
Concen: 5.475 ng
RT: 13.557 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:162 Resp: 208110
Ion Ratio Lower Upper
162 100
127 36.8 29.4 44.2
164 32.0 26.4 39.6

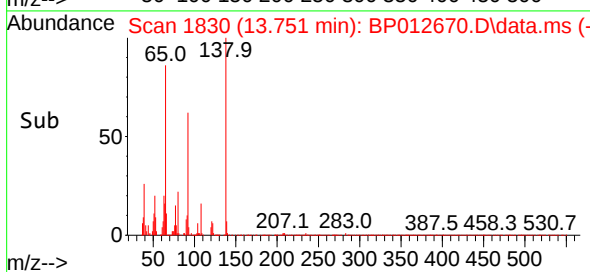
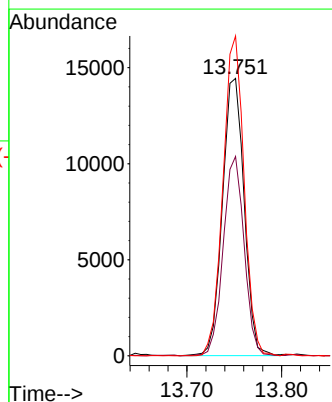
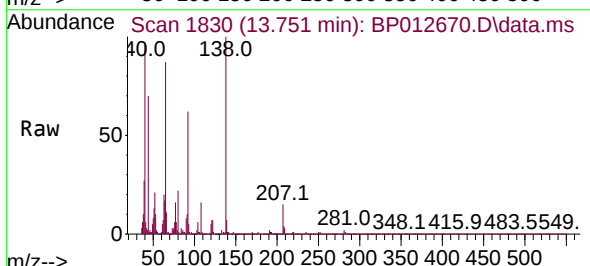
Manual Integrations
APPROVED

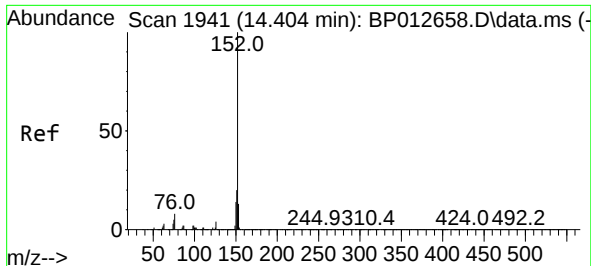
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 3.018 ng
RT: 13.751 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion: 65 Resp: 22959
Ion Ratio Lower Upper
65 100
92 71.8 56.7 85.1
138 115.3 92.7 139.1





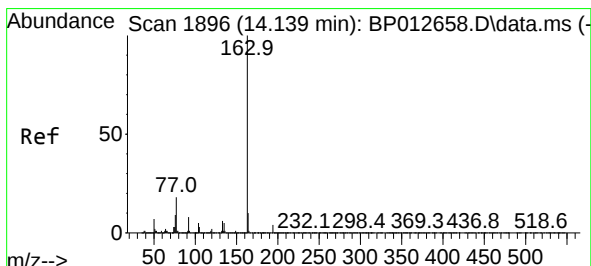
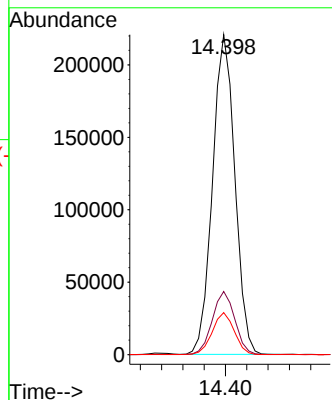
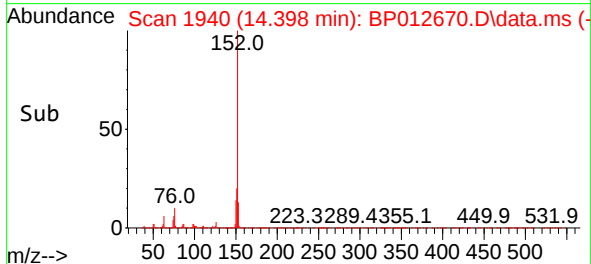
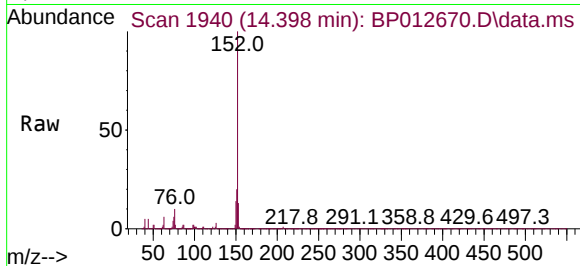
#49
Acenaphthylene
Concen: 5.191 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:152 Resp: 321999
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.1 10.6 15.8

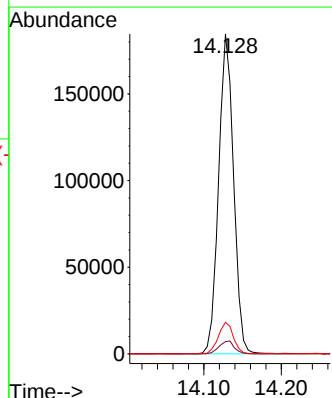
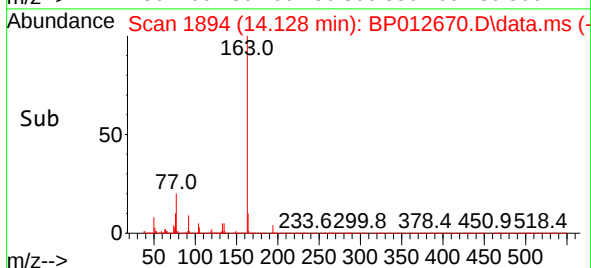
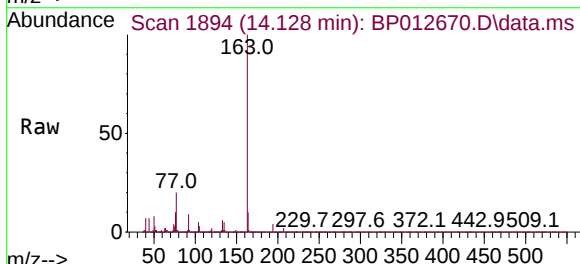
Manual Integrations
APPROVED

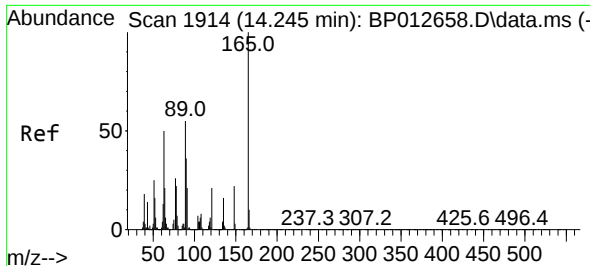
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#50
Dimethylphthalate
Concen: 4.924 ng
RT: 14.128 min Scan# 1894
Delta R.T. -0.011 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:163 Resp: 248240
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.9 8.2 12.4





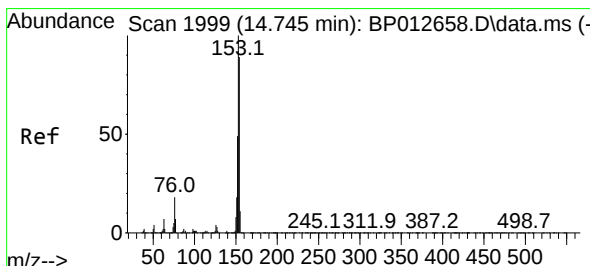
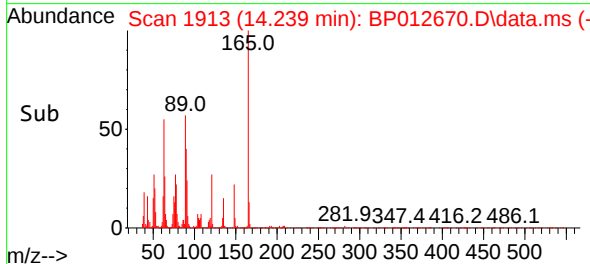
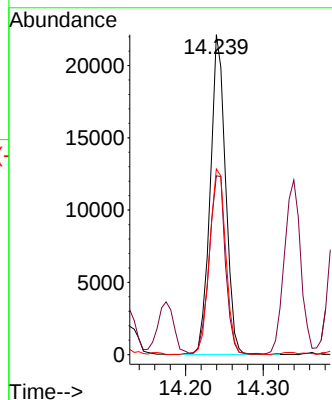
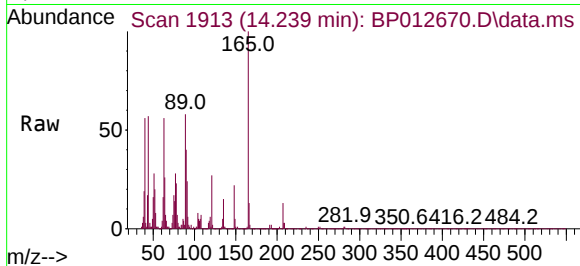
#51
2,6-Dinitrotoluene
Concen: 3.432 ng
RT: 14.239 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:165 Resp: 30345
Ion Ratio Lower Upper
165 100
63 55.9 42.6 63.8
89 58.0 44.0 66.0

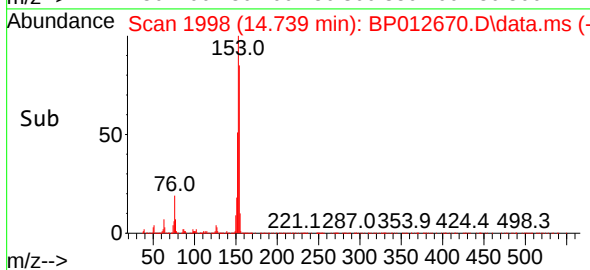
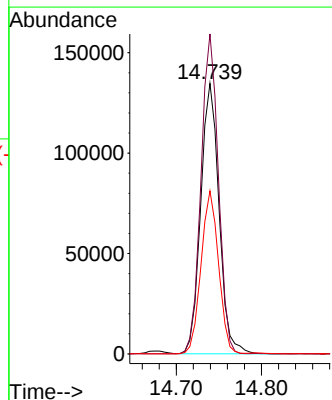
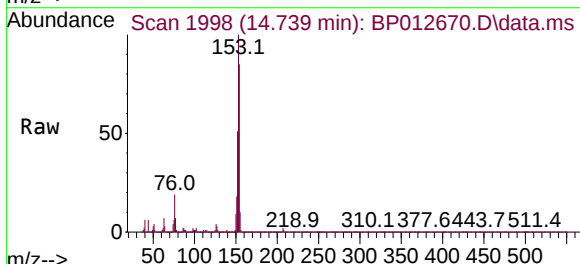
Manual Integrations
APPROVED

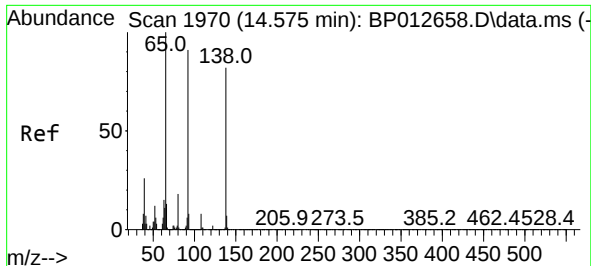
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#52
Acenaphthene
Concen: 5.085 ng
RT: 14.739 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:154 Resp: 201318
Ion Ratio Lower Upper
154 100
153 118.3 90.2 135.2
152 60.2 43.9 65.9





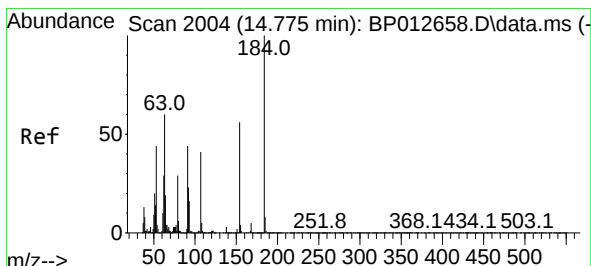
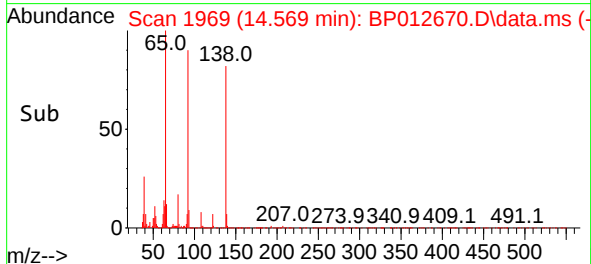
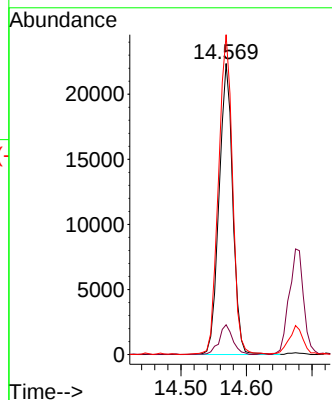
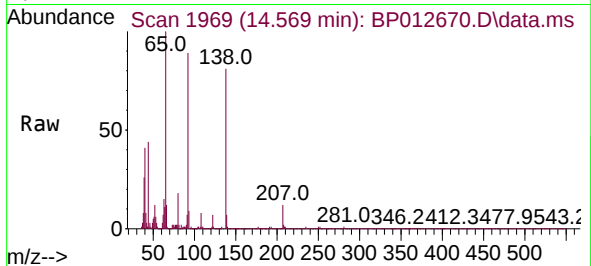
#53
3-Nitroaniline
Concen: 3.207 ng
RT: 14.569 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:138 Resp: 32468
Ion Ratio Lower Upper
138 100
108 10.2 8.2 12.2
92 109.9 89.1 133.7

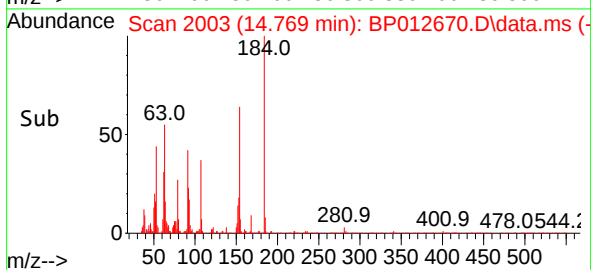
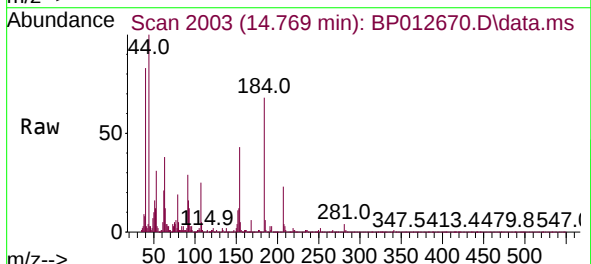
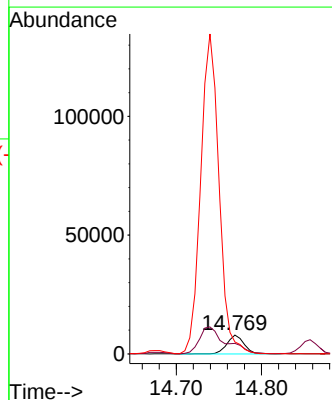
Manual Integrations
APPROVED

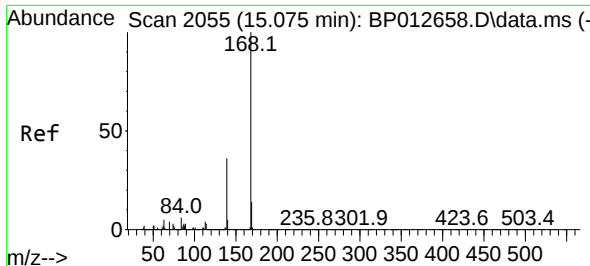
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 2.236 ng
RT: 14.769 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

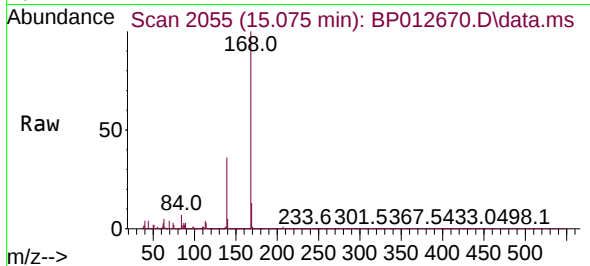
Tgt Ion:184 Resp: 10978
Ion Ratio Lower Upper
184 100
63 55.5 48.0 72.0
154 63.9 47.1 70.7





#55
Dibenzenofuran
Concen: 5.499 ng
RT: 15.075 min Scan# 2055
Delta R.T. -0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

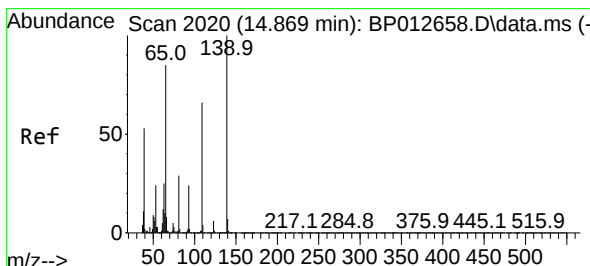
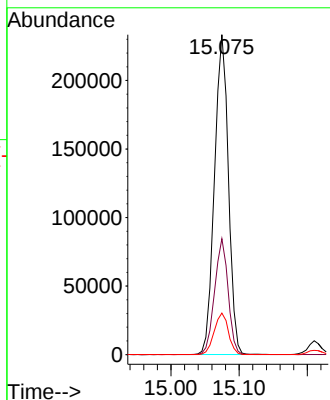
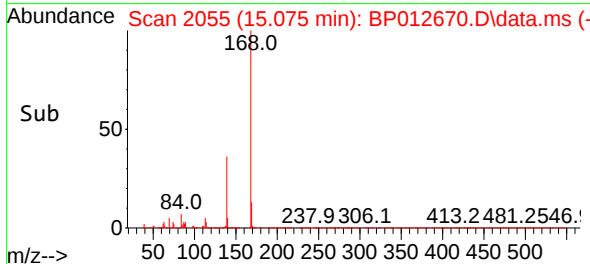
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



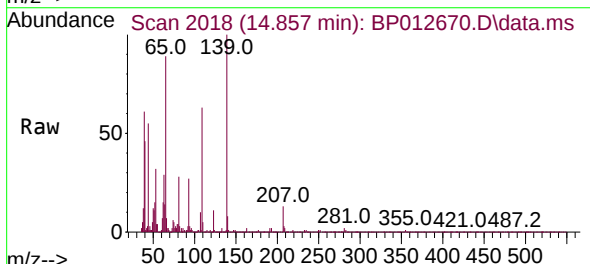
Tgt Ion:168 Resp: 328659
Ion Ratio Lower Upper
168 100
139 36.2 29.0 43.6
169 13.0 11.0 16.4

Manual Integrations
APPROVED

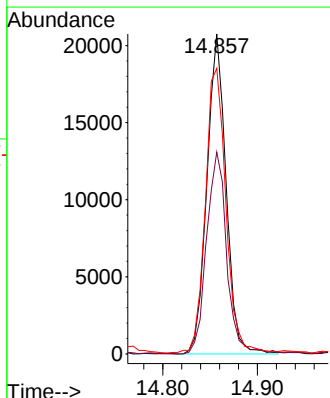
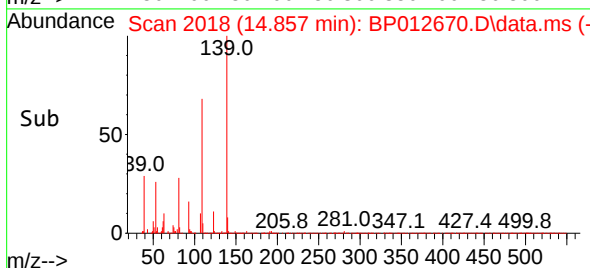
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

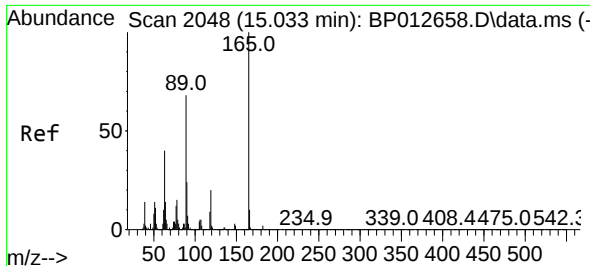


#56
4-Nitrophenol
Concen: 3.082 ng
RT: 14.857 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56



Tgt Ion:139 Resp: 29206
Ion Ratio Lower Upper
139 100
109 63.1 45.7 85.7
65 89.2 65.4 105.4





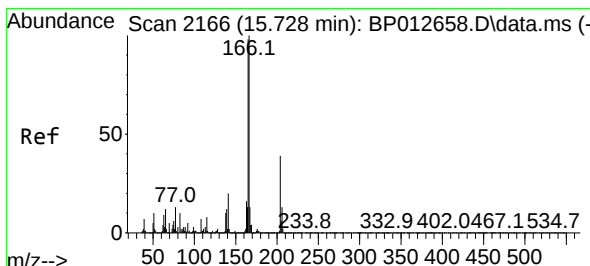
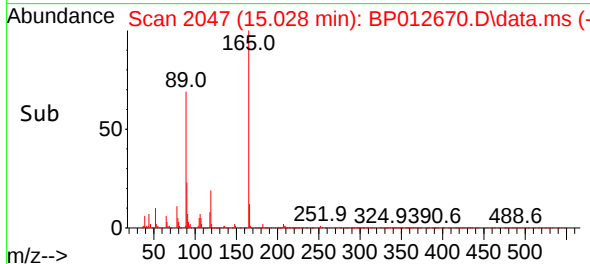
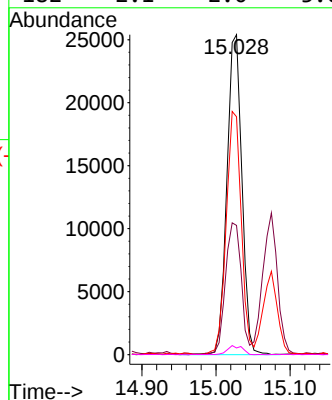
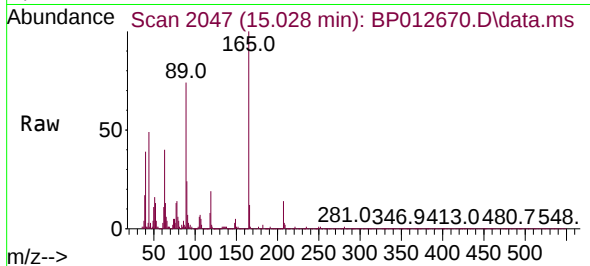
#57
2,4-Dinitrotoluene
Concen: 3.032 ng
RT: 15.028 min Scan# 2047
Delta R.T. -0.005 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:165 Resp: 35659
Ion Ratio Lower Upper
165 100
63 40.4 32.0 48.0
89 74.3 54.1 81.1
182 2.1 2.0 3.0

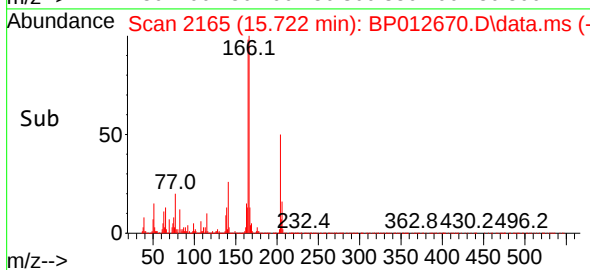
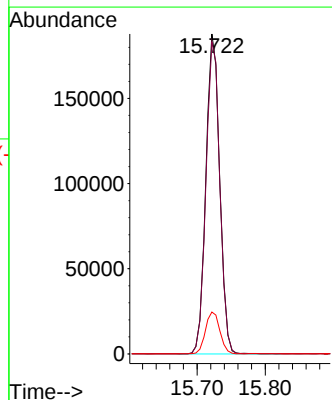
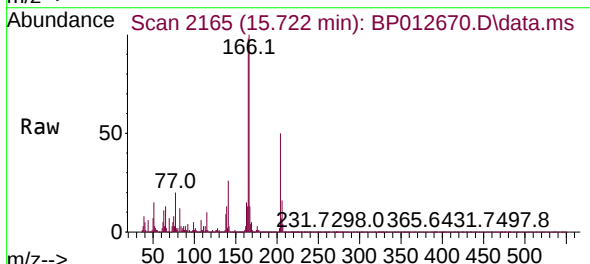
Manual Integrations
APPROVED

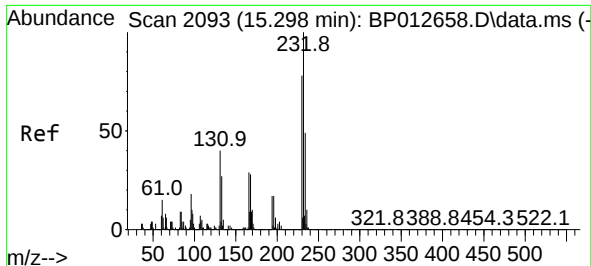
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 5.609 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

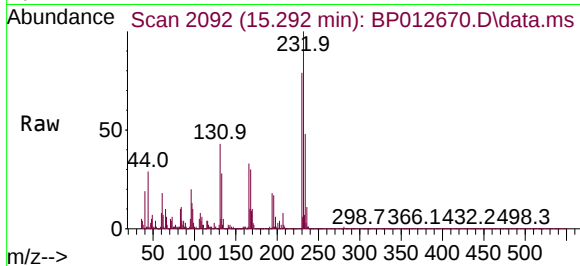
Tgt Ion:166 Resp: 263827
Ion Ratio Lower Upper
166 100
165 97.5 78.8 118.2
167 13.1 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.293 ng
RT: 15.292 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

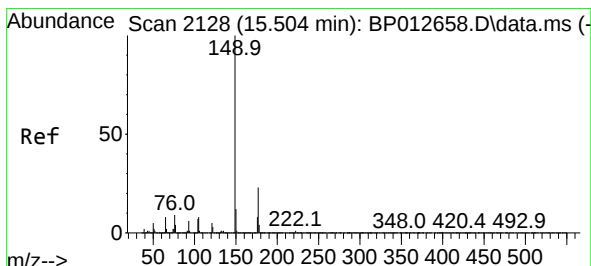
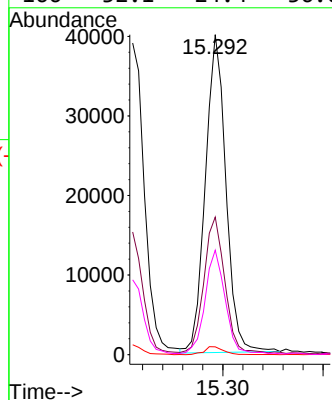
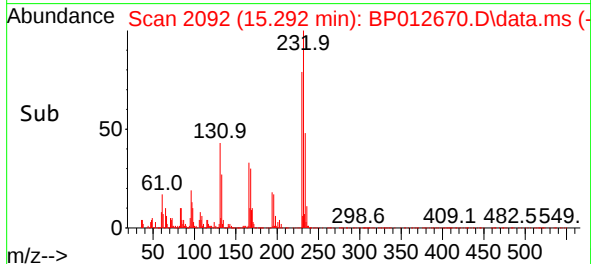
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 56840
Ion Ratio Lower Upper
232 100
131 44.6 34.3 51.5
130 2.3 1.8 2.6
166 32.1 24.4 36.6

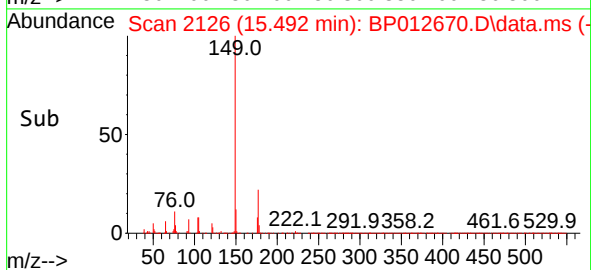
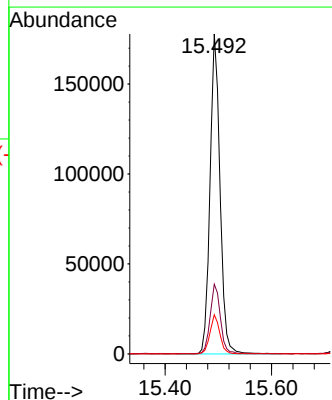
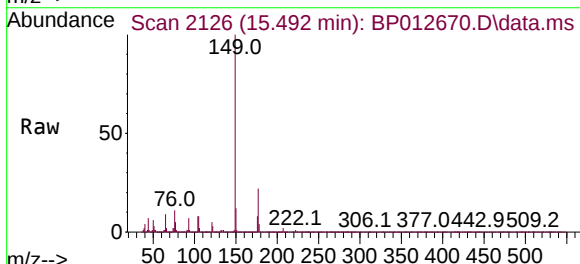
Manual Integrations
APPROVED

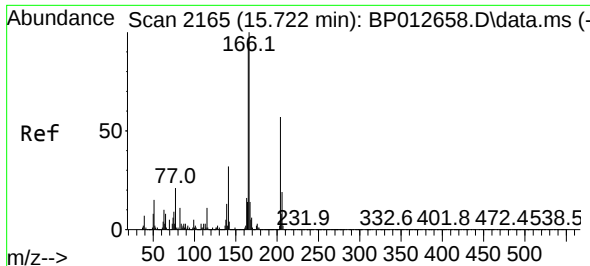
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 4.671 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

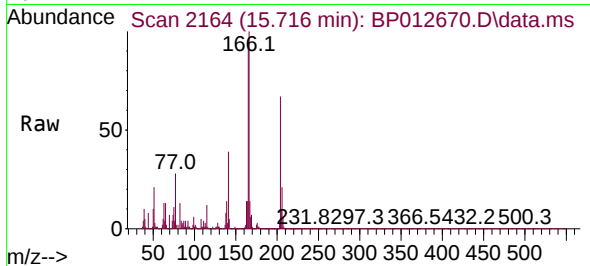
Tgt Ion:149 Resp: 231681
Ion Ratio Lower Upper
149 100
177 21.8 18.2 27.4
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 5.798 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

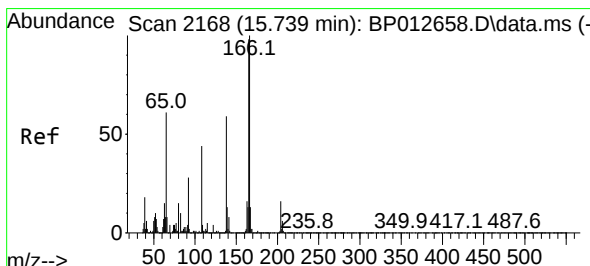
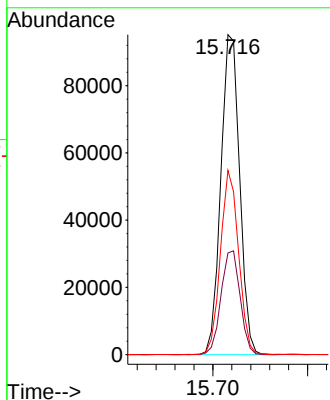
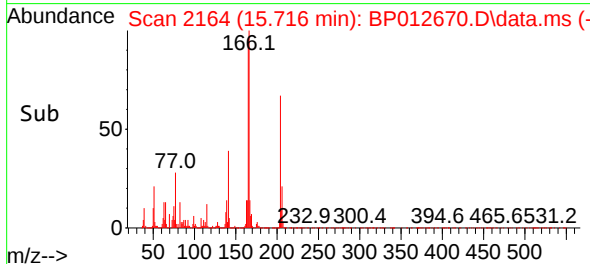
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 204 Resp: 131096
Ion Ratio Lower Upper
204 100
206 31.8 26.9 40.3
141 57.6 44.3 66.5

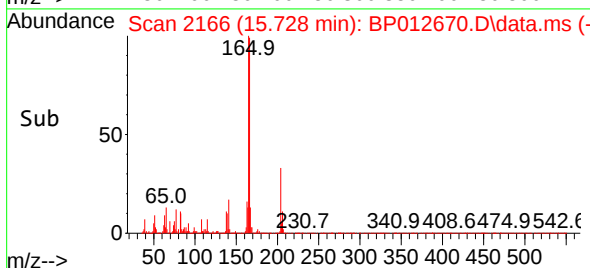
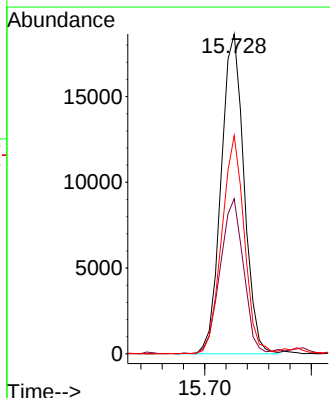
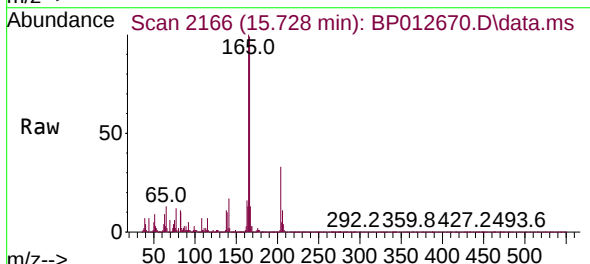
Manual Integrations
APPROVED

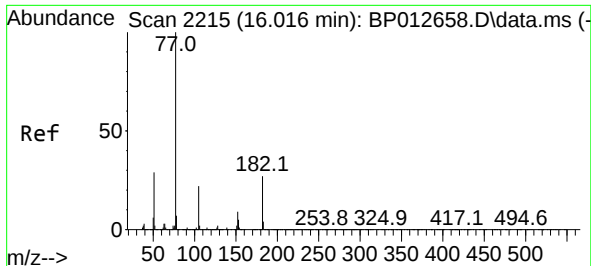
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 2.812 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.011 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

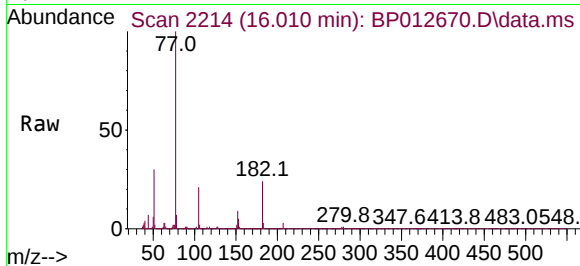
Tgt Ion: 138 Resp: 27850
Ion Ratio Lower Upper
138 100
92 48.5 28.2 68.2
108 68.2 53.7 93.7





#63
Azobenzene
Concen: 5.048 ng
RT: 16.010 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

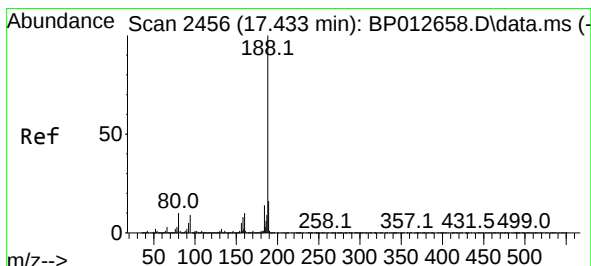
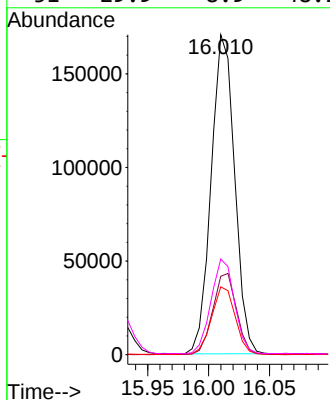
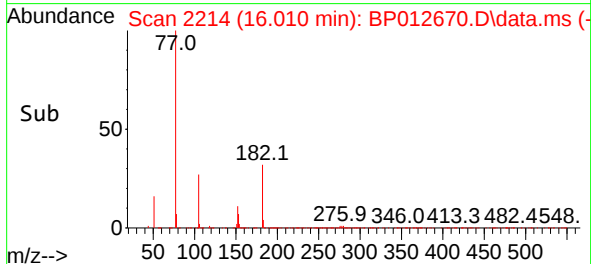
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 77 Resp: 228740
Ion Ratio Lower Upper
77 100
182 24.5 7.1 47.1
105 21.2 1.9 41.9
51 29.9 8.9 48.9

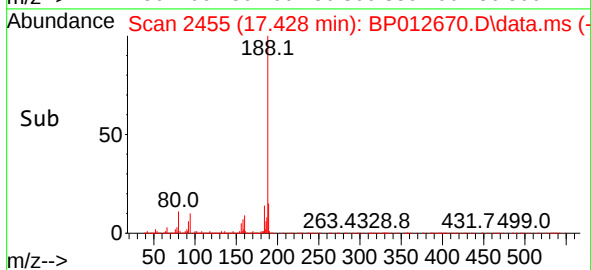
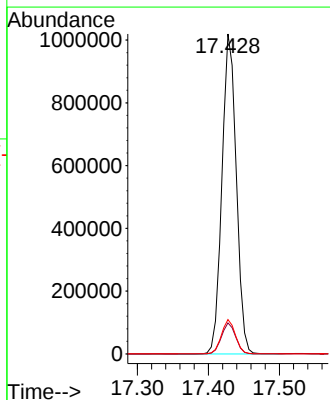
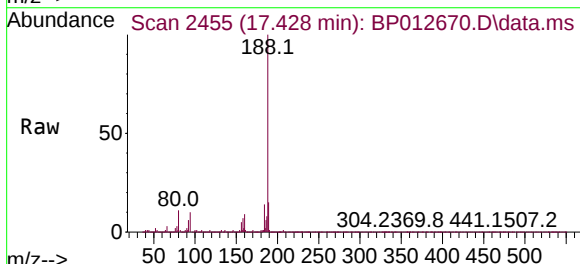
Manual Integrations
APPROVED

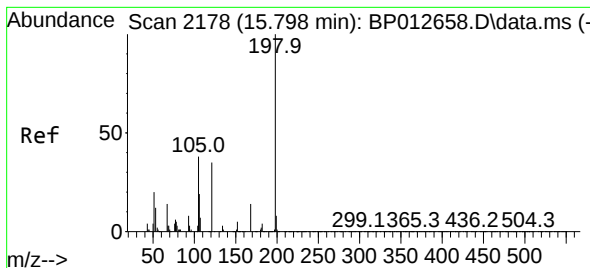
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.428 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:188 Resp: 1432003
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.7 8.2 12.2





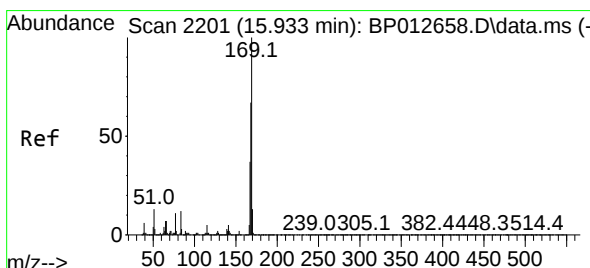
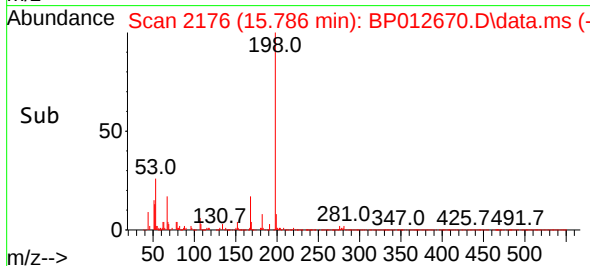
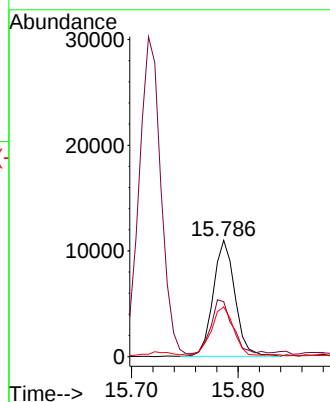
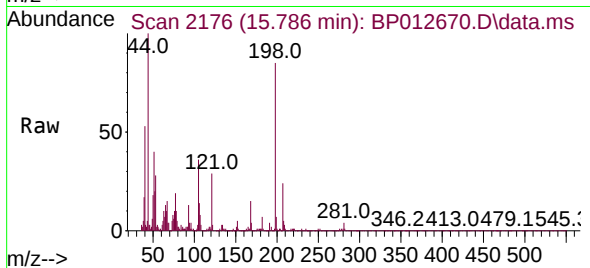
#65
4,6-Dinitro-2-methylphenol
Concen: 2.220 ng
RT: 15.786 min Scan# 2178
Delta R.T. -0.012 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:198 Resp: 15609
Ion Ratio Lower Upper
198 100
51 47.3 18.2 58.2
105 42.7 19.6 59.6

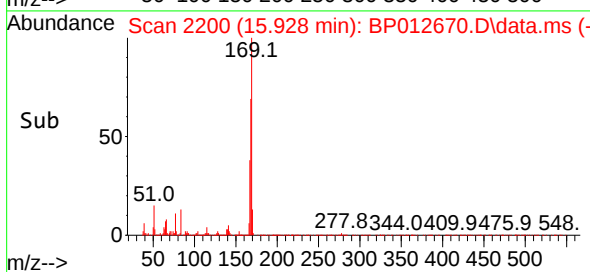
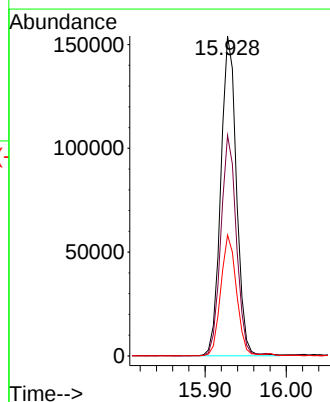
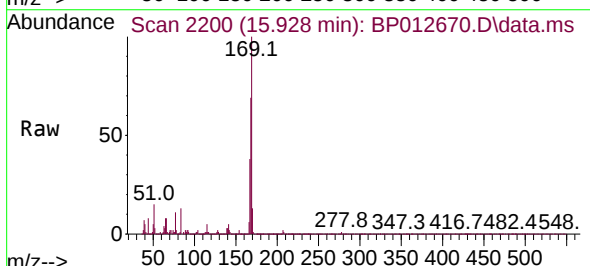
Manual Integrations
APPROVED

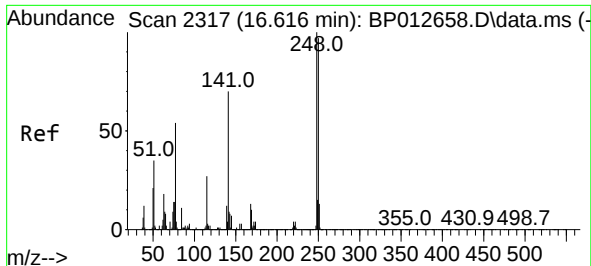
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 4.826 ng
RT: 15.928 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:169 Resp: 205963
Ion Ratio Lower Upper
169 100
168 68.9 53.5 80.3
167 37.8 29.3 43.9





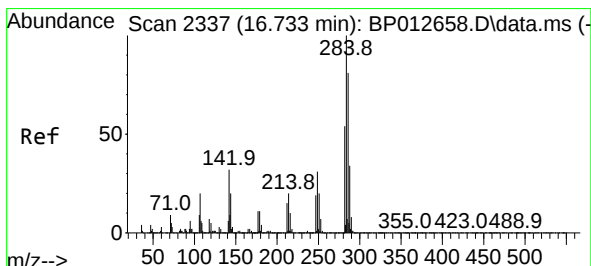
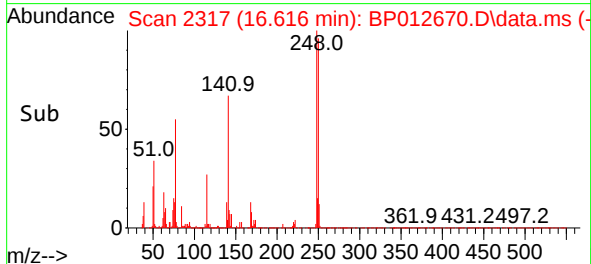
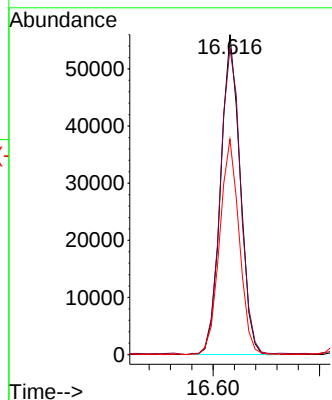
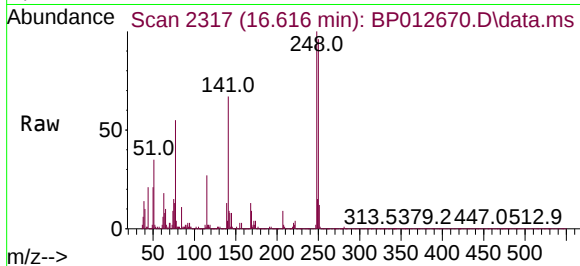
#67
4-Bromophenyl-phenylether
Concen: 4.738 ng
RT: 16.616 min Scan# 2317
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:248 Resp: 70945
Ion Ratio Lower Upper
248 100
250 95.7 77.4 116.2
141 67.3 55.6 83.4

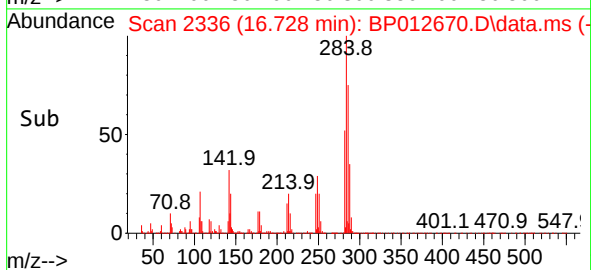
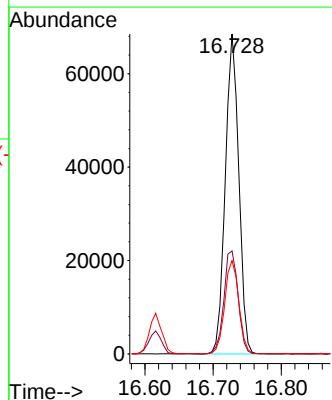
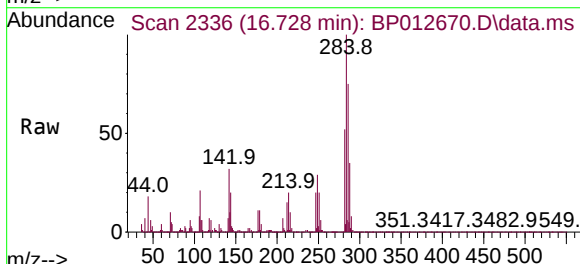
Manual Integrations
APPROVED

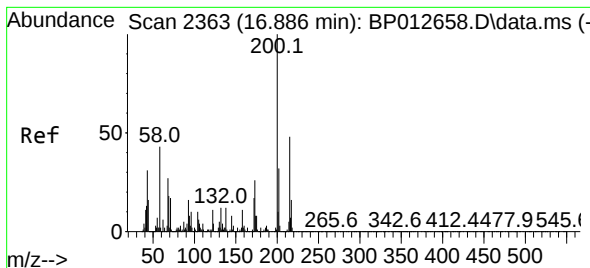
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 5.381 ng
RT: 16.728 min Scan# 2336
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:284 Resp: 93444
Ion Ratio Lower Upper
284 100
142 32.2 25.8 38.6
249 29.1 25.0 37.4





#69

Atrazine

Concen: 4.402 ng

RT: 16.881 min Scan# 2363

Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

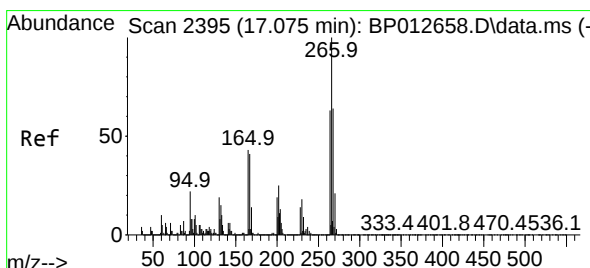
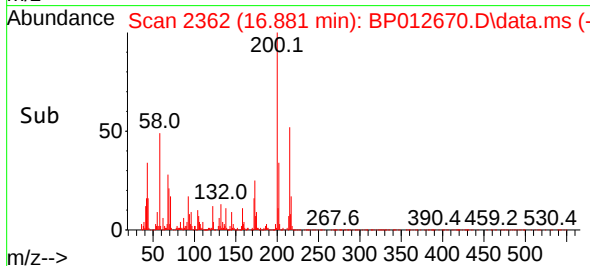
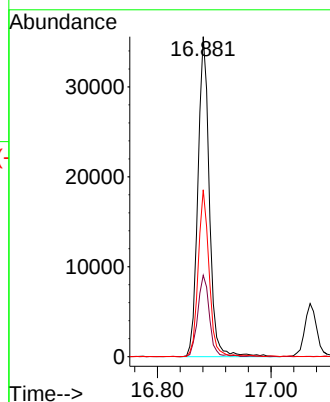
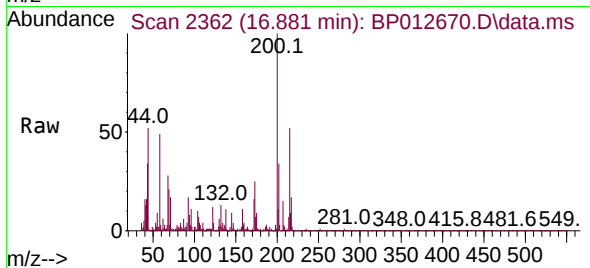
Tgt Ion:	200	Resp:	49500
Ion Ratio	Lower	Upper	
200	100		
173	25.4	6.2	46.2
215	52.1	28.4	68.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#70

Pentachlorophenol

Concen: 4.118 ng

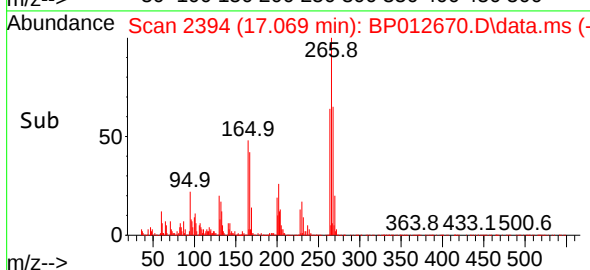
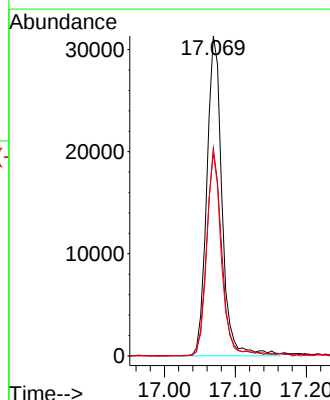
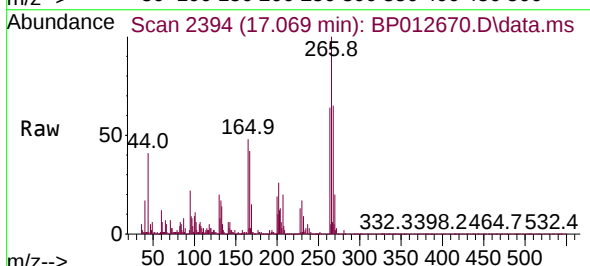
RT: 17.069 min Scan# 2394

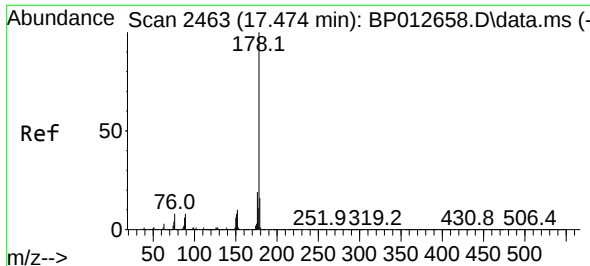
Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Tgt Ion:	266	Resp:	46409
Ion Ratio	Lower	Upper	
266	100		
268	64.9	51.4	77.0
264	63.6	50.6	75.8





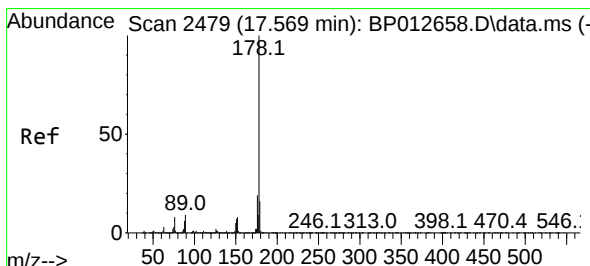
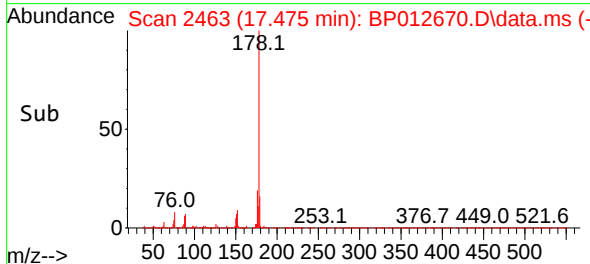
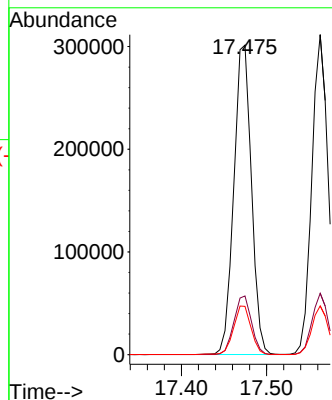
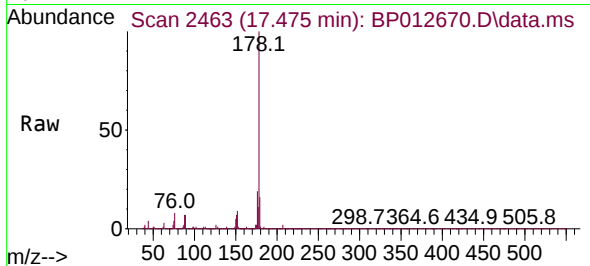
#71
Phenanthrene
Concen: 5.325 ng
RT: 17.475 min Scan# 2463
Delta R.T. 0.000 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:178 Resp: 432561
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.5 18.7

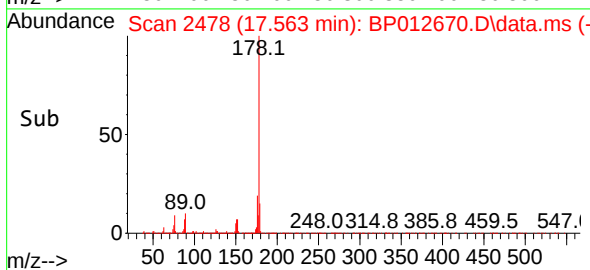
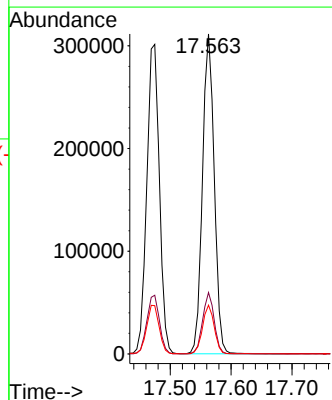
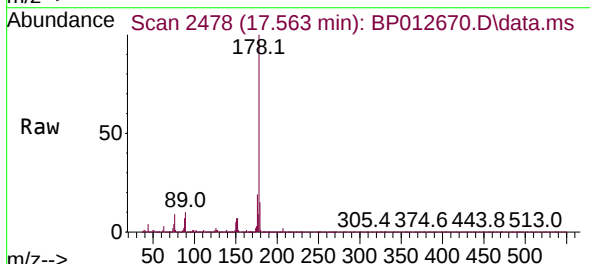
Manual Integrations
APPROVED

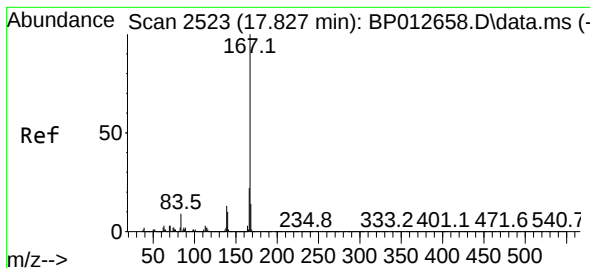
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 5.329 ng
RT: 17.563 min Scan# 2478
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:178 Resp: 417619
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.8 19.2





#73

Carbazole

Concen: 5.048 ng

RT: 17.828 min Scan# 2523

Delta R.T. 0.000 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Instrument :

BNA_P

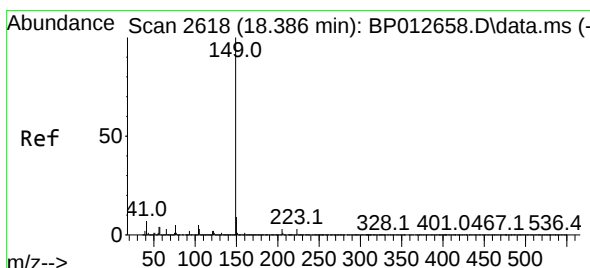
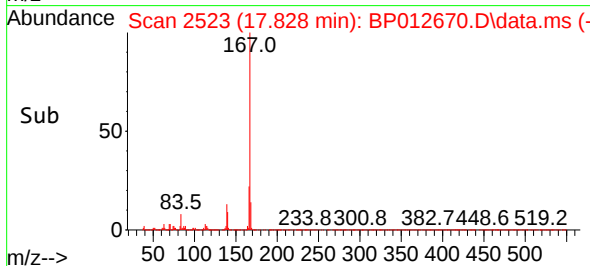
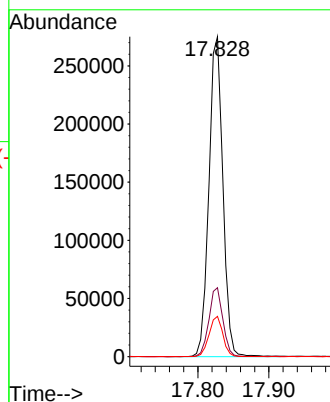
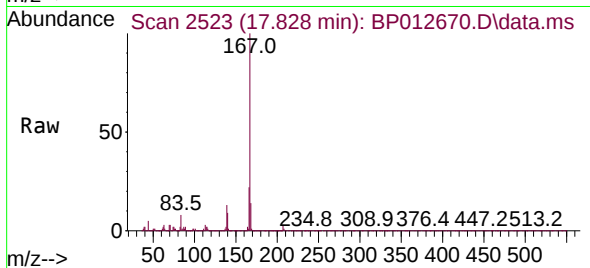
ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:167	Resp: 375733
Ion Ratio	Lower Upper
167 100	
166 21.5	17.4 26.2
139 12.6	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: 3.719 ng

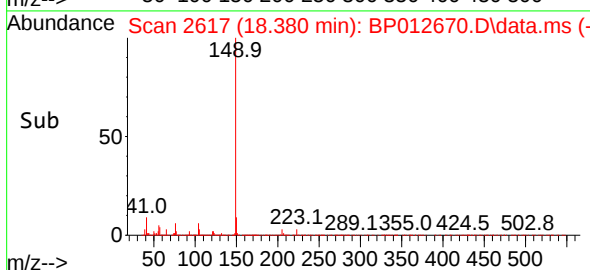
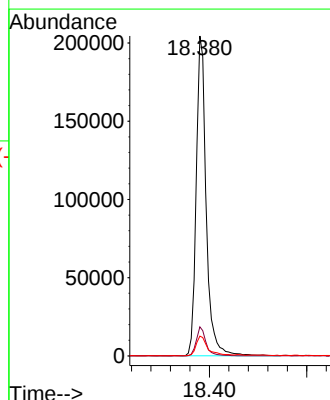
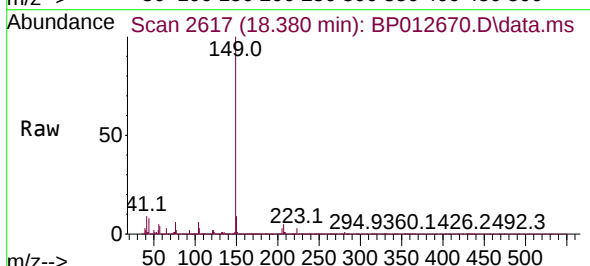
RT: 18.380 min Scan# 2617

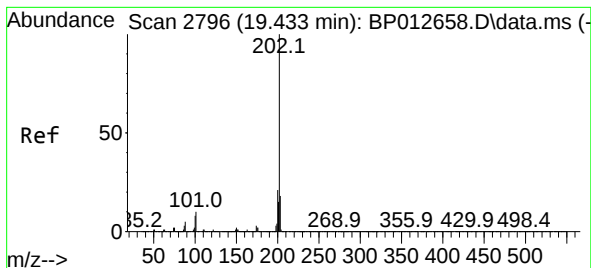
Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Tgt Ion:149	Resp: 288607		
Ion Ratio	Lower	Upper	
149 100			
150 9.1	7.5	11.3	
104 6.2	4.0	6.0#	





#75

Fluoranthene

Concen: 5.046 ng

RT: 19.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

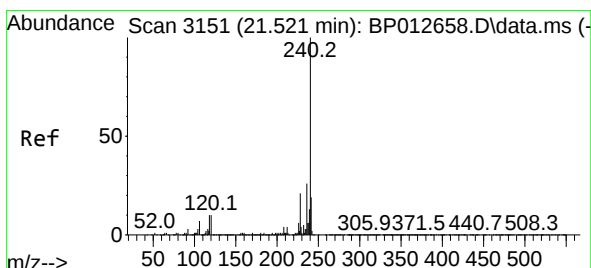
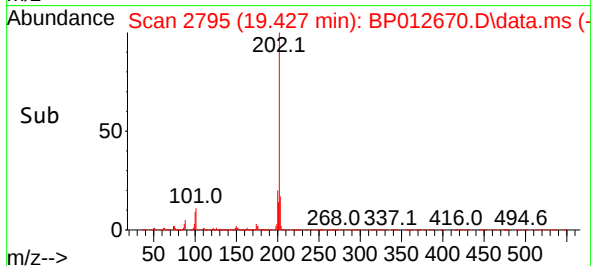
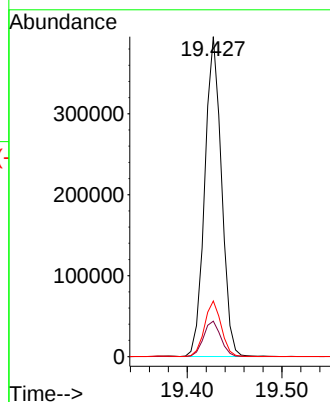
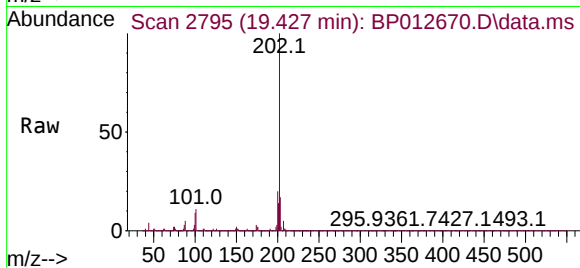
Tgt Ion:	202	Resp:	485574
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	30.4
203	17.4	0.0	37.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#76

Chrysene-d12

Concen: 20.000 ng

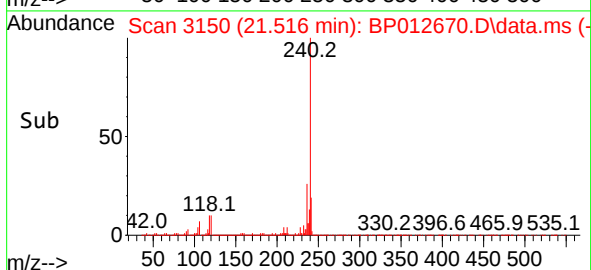
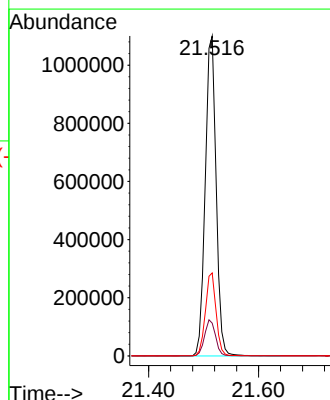
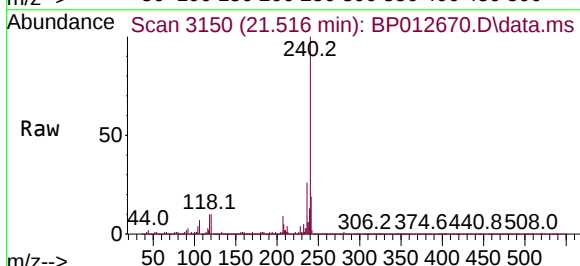
RT: 21.516 min Scan# 3150

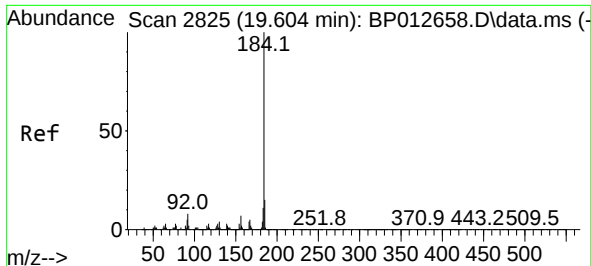
Delta R.T. -0.005 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Tgt Ion:	240	Resp:	1508202
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.2	12.2
236	25.9	20.4	30.6





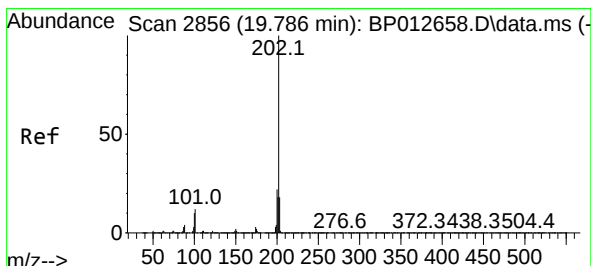
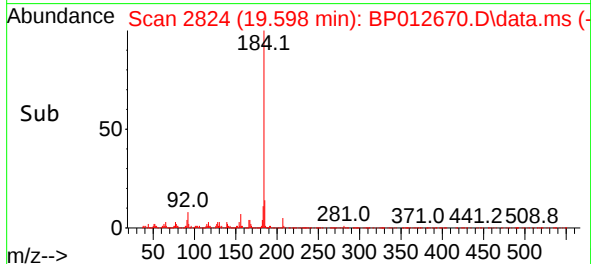
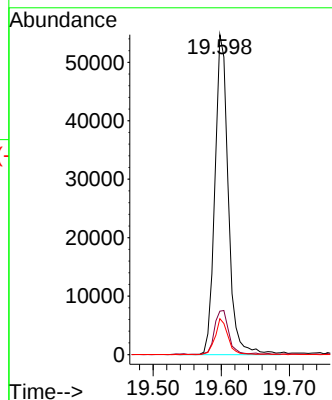
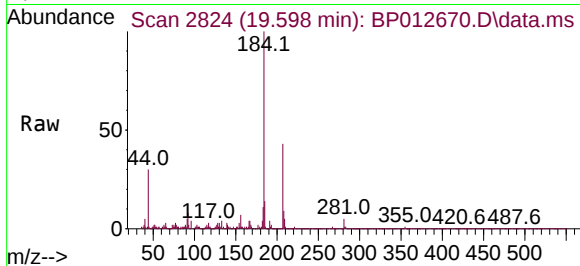
#77
Benzidine
Concen: 3.601 ng
RT: 19.598 min Scan# 2824
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:184 Resp: 74670
Ion Ratio Lower Upper
184 100
185 13.6 12.2 18.2
183 11.2 9.0 13.4

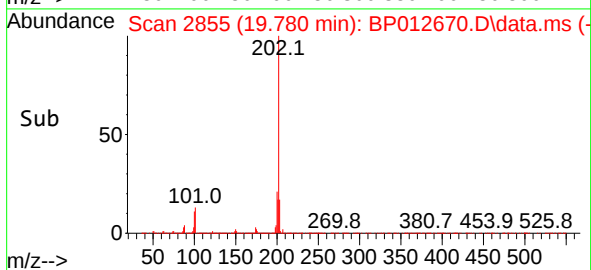
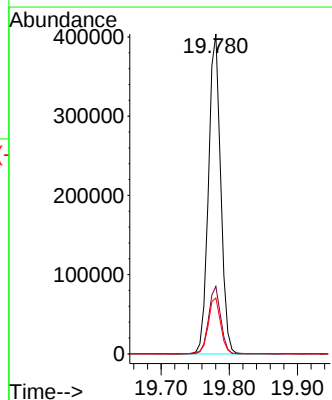
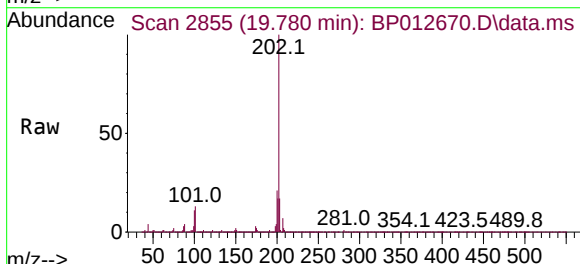
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APPROVED

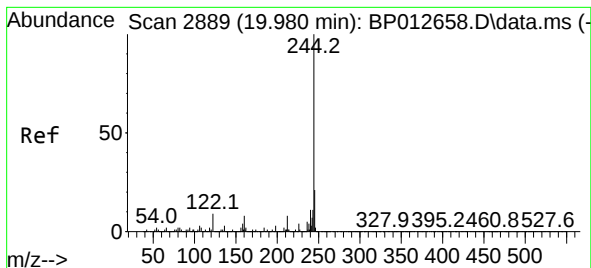
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#78
Pyrene
Concen: 4.712 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:202 Resp: 502255
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.0
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 90.864 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.000 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:244 Resp: 6342664

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

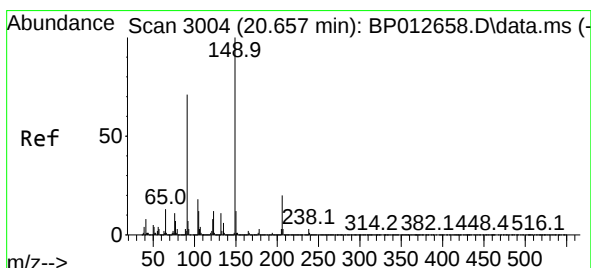
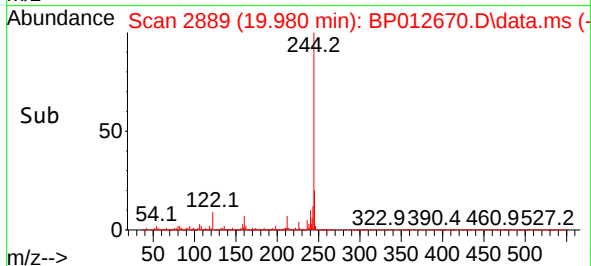
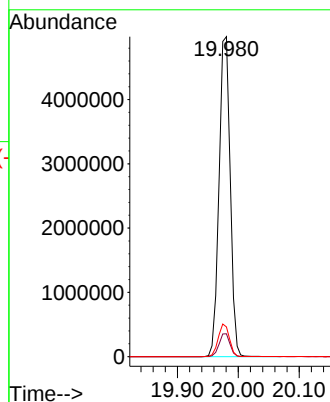
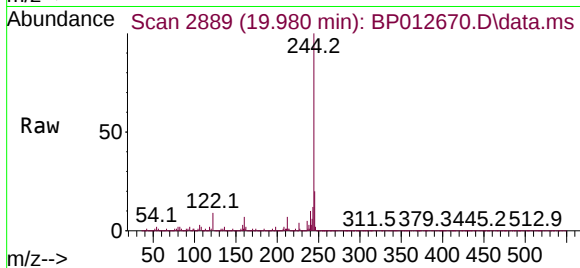
122 9.3 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#80

Butylbenzylphthalate

Concen: 2.827 ng

RT: 20.657 min Scan# 3004

Delta R.T. -0.000 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

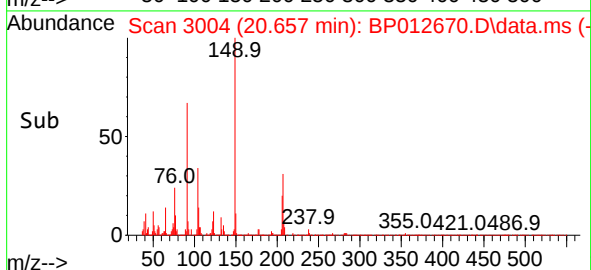
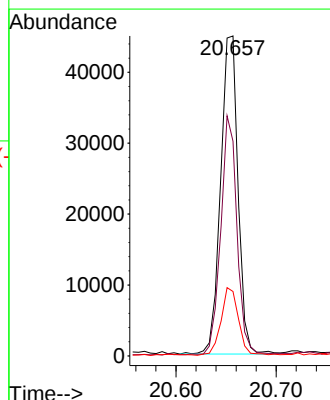
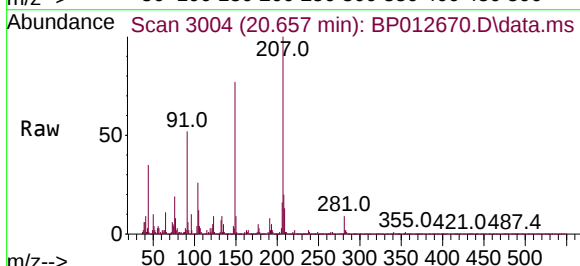
Tgt Ion:149 Resp: 54377

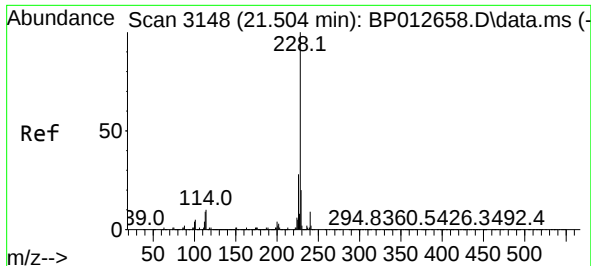
Ion Ratio Lower Upper

149 100

91 67.1 56.9 85.3

206 20.1 16.1 24.1





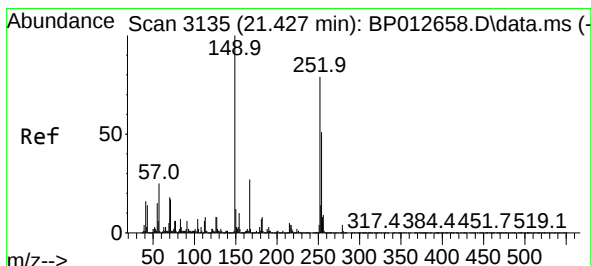
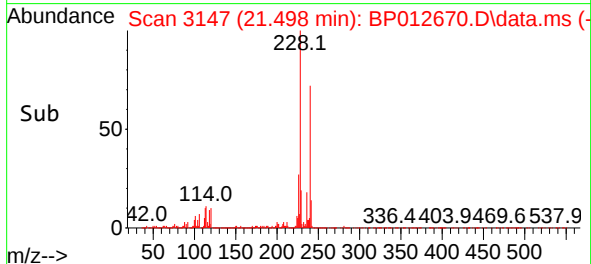
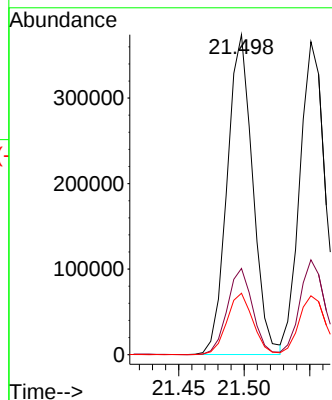
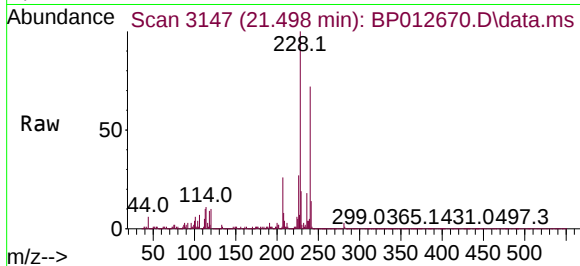
#81
Benzo(a)anthracene
Concen: 4.800 ng
RT: 21.498 min Scan# 3148
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:228 Resp: 50757
Ion Ratio Lower Upper
228 100
226 26.9 22.2 33.2
229 19.2 16.2 24.2

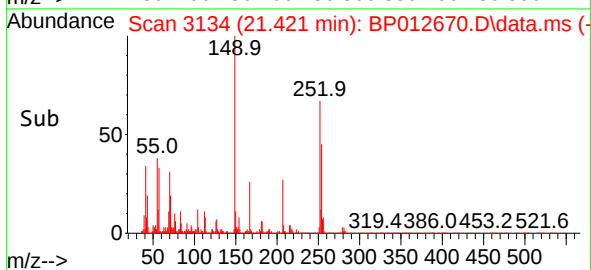
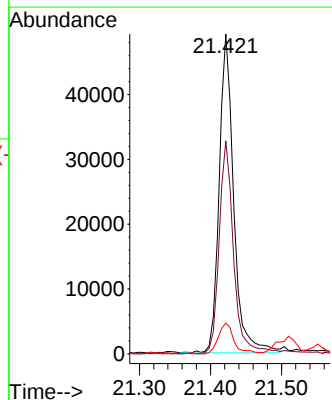
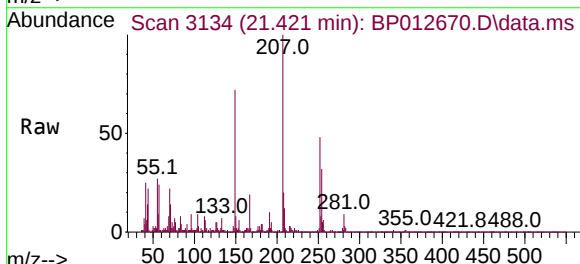
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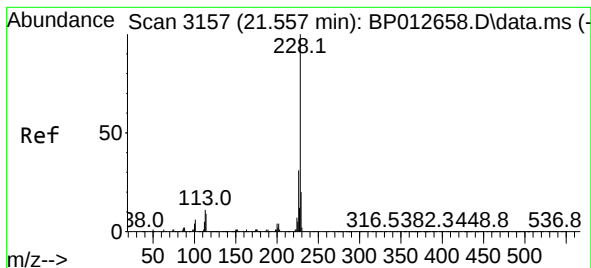
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 2.635 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:252 Resp: 70140
Ion Ratio Lower Upper
252 100
254 66.6 51.9 77.9
126 9.6 8.2 12.4





#83

Chrysene

Concen: 4.953 ng

RT: 21.551 min Scan# 3157

Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

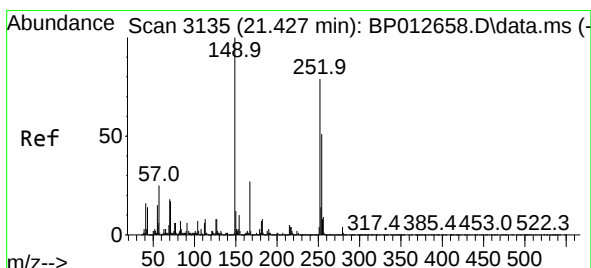
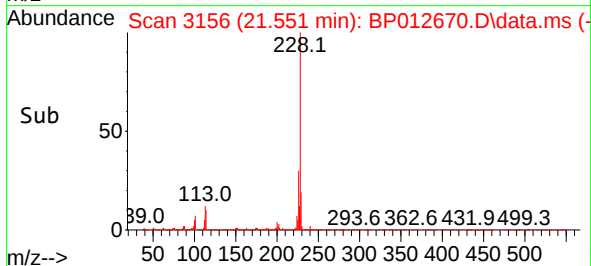
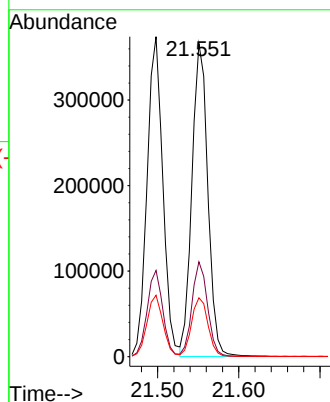
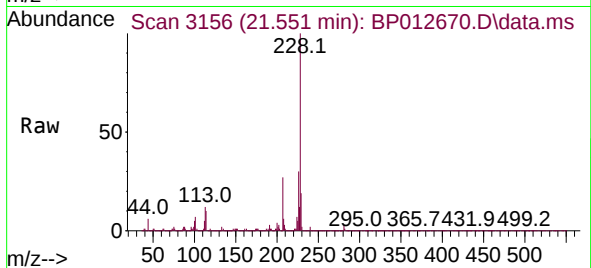
Tgt Ion:	228	Resp:	496644
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.6	36.8
229	18.8	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.597 ng

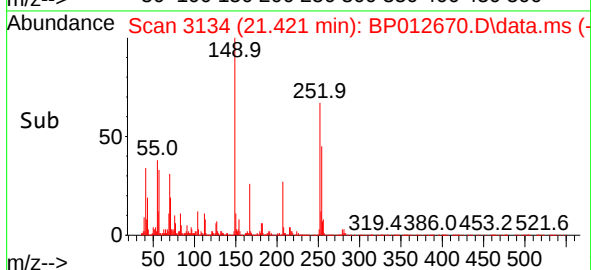
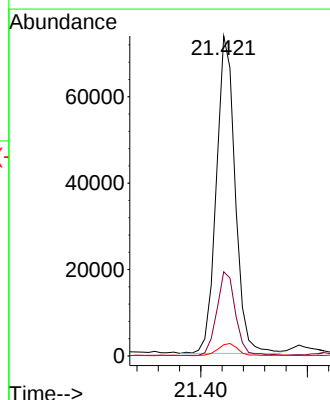
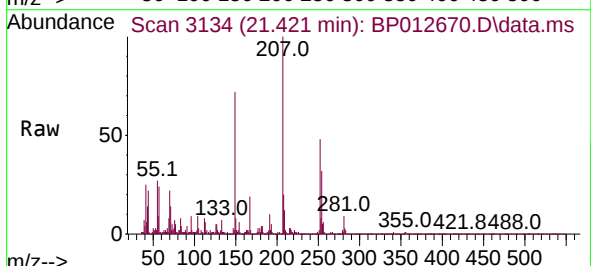
RT: 21.421 min Scan# 3134

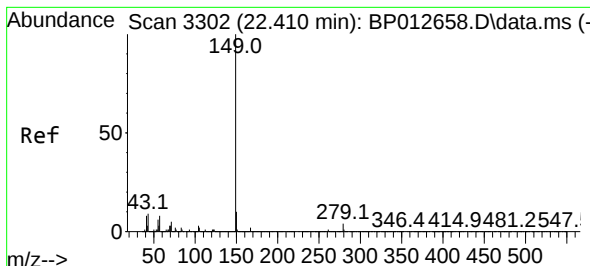
Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Tgt Ion:	149	Resp:	90520
Ion Ratio	Lower	Upper	
149	100		
167	26.3	21.7	32.5
279	3.5	3.1	4.7





#85

Di-n-octyl phthalate

Concen: 2.088 ng

RT: 22.398 min Scan# 33

Delta R.T. -0.012 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

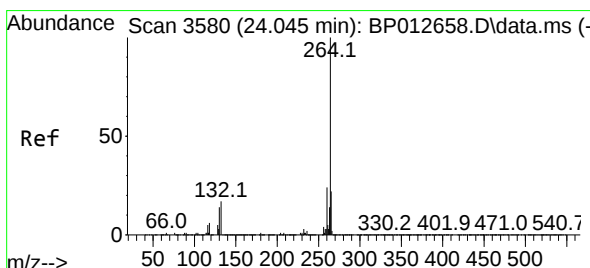
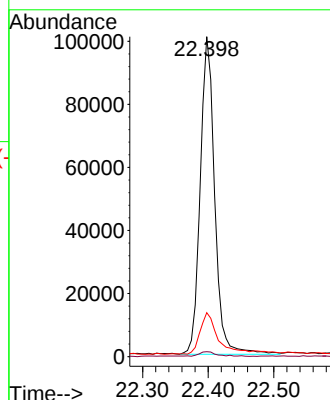
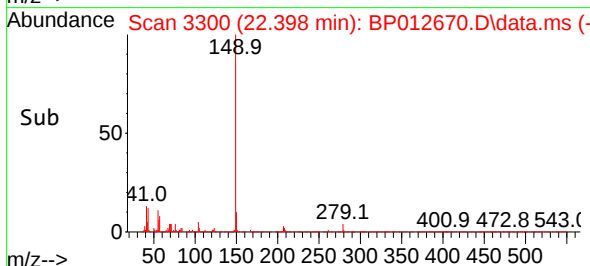
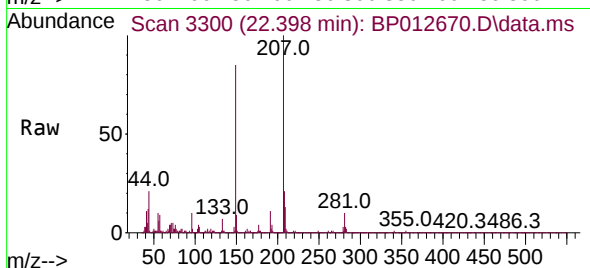
Tgt Ion:	149	Resp:	154024
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.3	1.9
43	15.5	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#86

Perylene-d12

Concen: 20.000 ng

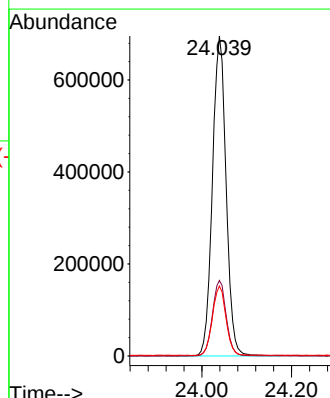
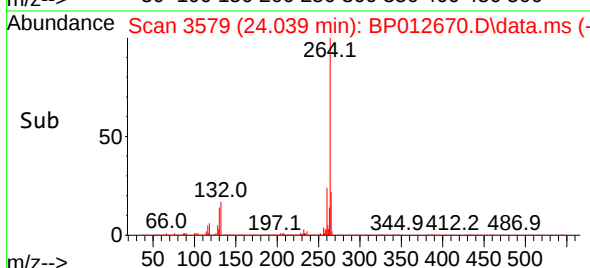
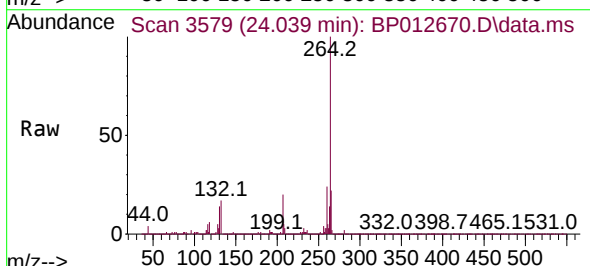
RT: 24.039 min Scan# 3579

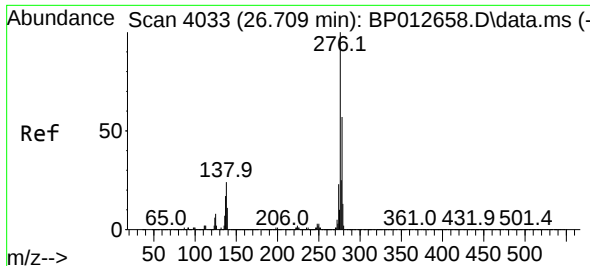
Delta R.T. -0.006 min

Lab File: BP012670.D

Acq: 18 Nov 2022 11:56

Tgt Ion:	264	Resp:	1469537
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.3	28.9
265	21.8	17.3	25.9





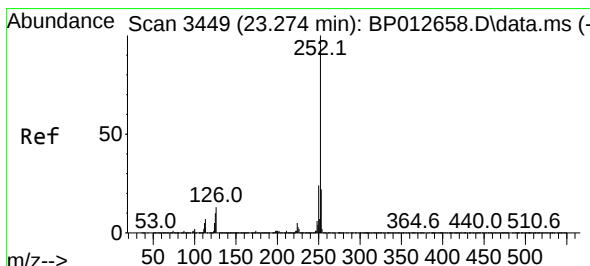
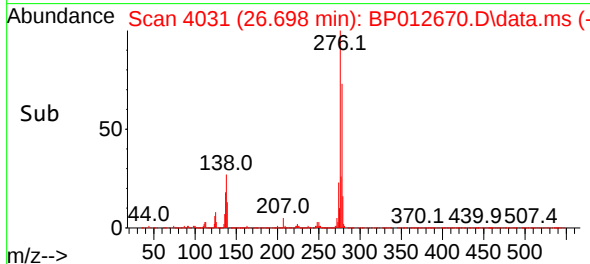
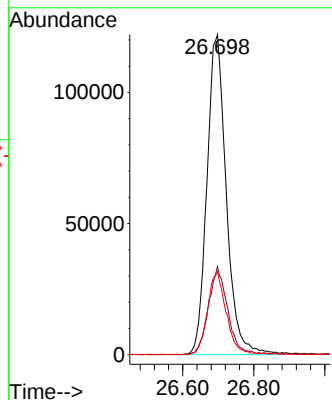
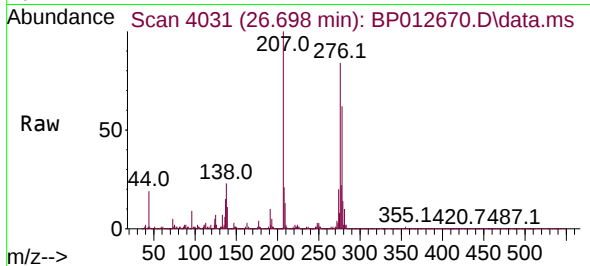
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.309 ng
RT: 26.698 min Scan# 4033
Delta R.T. -0.012 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion: 276 Resp: 460989
Ion Ratio Lower Upper
276 100
138 26.9 20.8 31.2
277 25.0 20.2 30.2

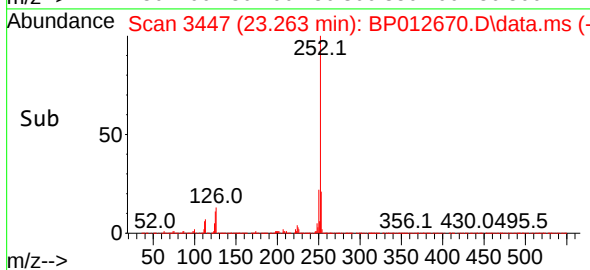
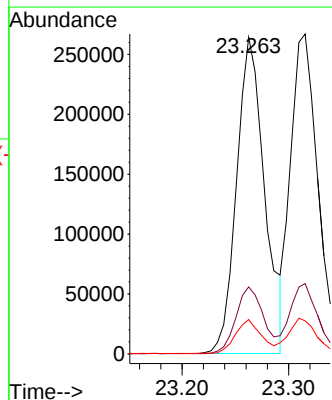
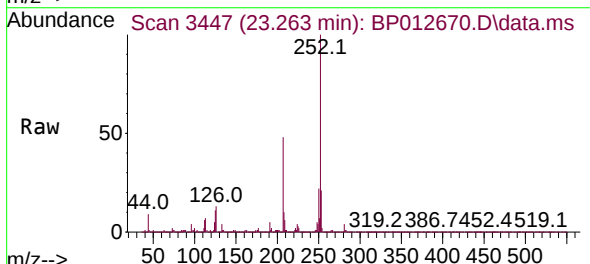
Manual Integrations
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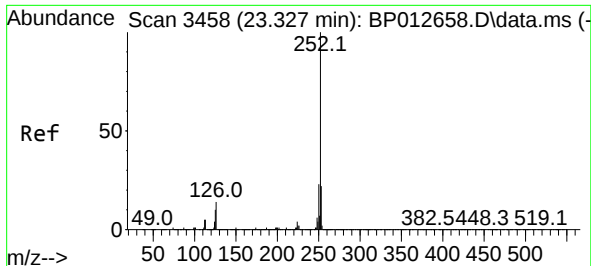
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#88
Benzo(b)fluoranthene
Concen: 4.959 ng
RT: 23.263 min Scan# 3447
Delta R.T. -0.012 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

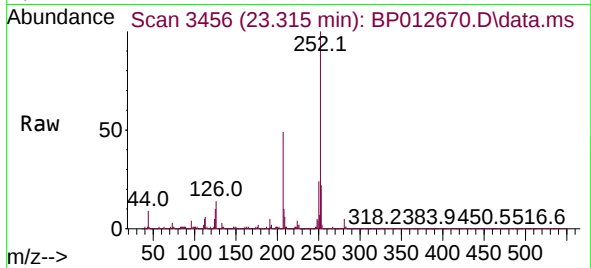
Tgt Ion: 252 Resp: 482469
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.8
125 10.8 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 4.943 ng
RT: 23.315 min Scan# 3458
Delta R.T. -0.012 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

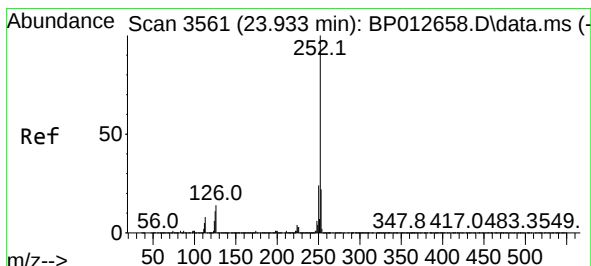
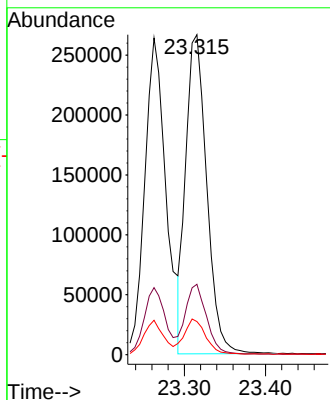
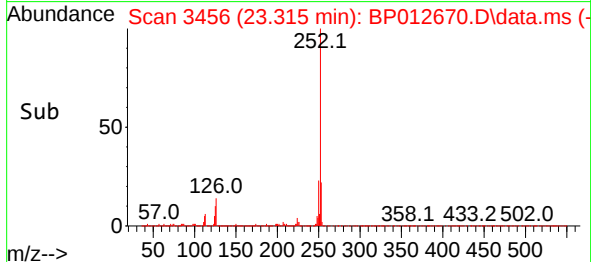
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:252 Resp: 477854
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.4 7.9 11.9

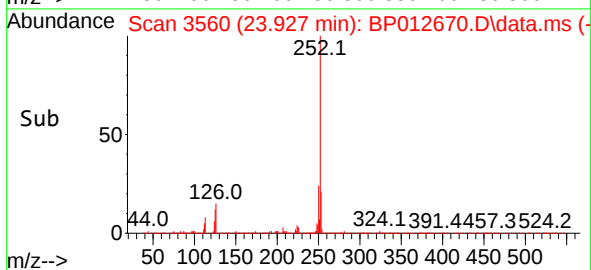
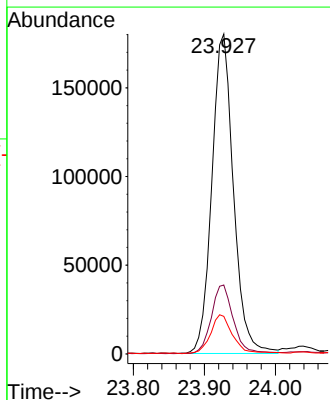
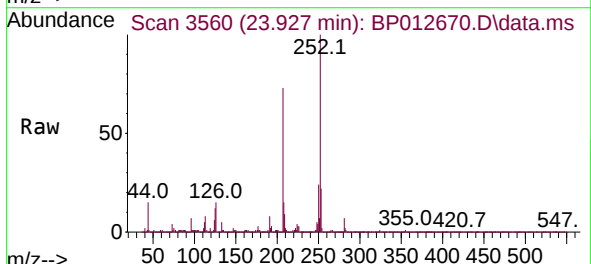
Manual Integrations
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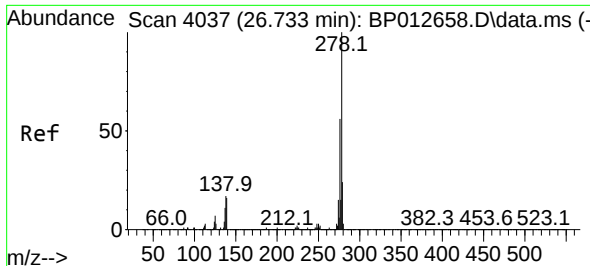
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#90
Benzo(a)pyrene
Concen: 4.730 ng
RT: 23.927 min Scan# 3560
Delta R.T. -0.006 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:252 Resp: 381873
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 11.8 8.8 13.2





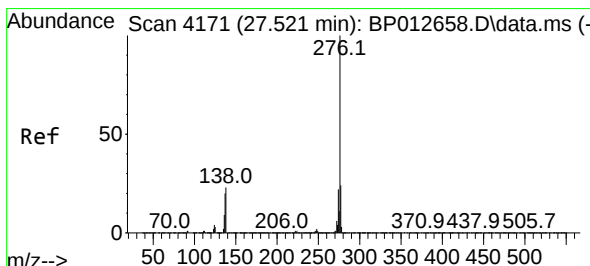
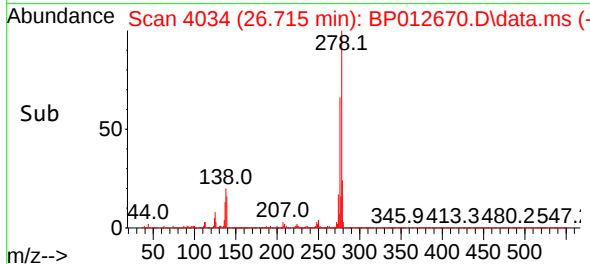
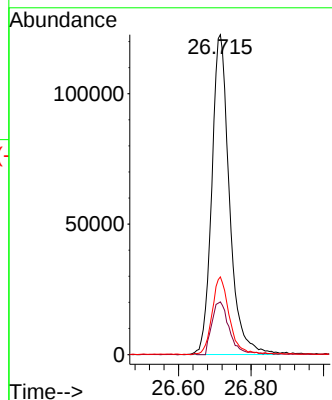
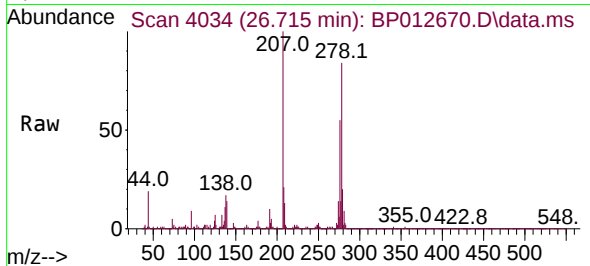
#91
Dibenzo(a,h)anthracene
Concen: 4.688 ng
RT: 26.715 min Scan# 4037
Delta R.T. -0.018 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

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

Tgt Ion:278 Resp: 414708
Ion Ratio Lower Upper
278 100
139 16.5 13.0 19.4
279 24.3 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.588 ng
RT: 27.498 min Scan# 4167
Delta R.T. -0.023 min
Lab File: BP012670.D
Acq: 18 Nov 2022 11:56

Tgt Ion:276 Resp: 394266
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.2
138 23.5 18.1 27.1

