

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012671.D
 Acq On : 18 Nov 2022 13:33
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 03:36:31 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	237598	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	1015475	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	686111	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	1523787	20.000	ng	0.00
76) Chrysene-d12	21.516	240	1574760	20.000	ng	0.00
86) Perylene-d12	24.045	264	1547321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1295669	98.553	ng	0.00
7) Phenol-d6	7.187	99	1807305	98.707	ng	0.00
23) Nitrobenzene-d5	9.210	82	1386987	85.877	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	823075	104.826	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	3785942	83.027	ng	0.00
79) Terphenyl-d14	19.980	244	6245988	85.697	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.446	88	36494	6.912	ng	96
3) Pyridine	3.858	79	97402	5.844	ng	96
4) n-Nitrosodimethylamine	3.764	42	45531	6.397	ng	# 75
6) Aniline	7.363	93	160270	6.948	ng	99
8) 2-Chlorophenol	7.599	128	115064	7.088	ng	97
9) Benzaldehyde	7.175	77	106096	9.936	ng	94
10) Phenol	7.210	94	141026	6.837	ng	95
11) bis(2-Chloroethyl)ether	7.458	93	119748	7.288	ng	97
12) 1,3-Dichlorobenzene	7.934	146	136552	7.579	ng	98
13) 1,4-Dichlorobenzene	8.081	146	140241	7.634	ng	99
14) 1,2-Dichlorobenzene	8.399	146	135357	7.678	ng	97
15) Benzyl Alcohol	8.275	79	81414	5.968	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.581	45	174907	7.544	ng	99
17) 2-Methylphenol	8.475	107	91628	6.406	ng	96
18) Hexachloroethane	9.140	117	48487	7.898	ng	96
19) n-Nitroso-di-n-propyla...	8.852	70	79367	6.377	ng	96
20) 3+4-Methylphenols	8.805	107	121727	6.075	ng	98
22) Acetophenone	8.869	105	199078	7.854	ng	# 98
24) Nitrobenzene	9.252	77	135518	7.770	ng	100
25) Isophorone	9.775	82	264184	7.272	ng	99
26) 2-Nitrophenol	9.969	139	40303	5.329	ng	98
27) 2,4-Dimethylphenol	10.022	122	102080	7.153	ng	99
28) bis(2-Chloroethoxy)met...	10.263	93	166302	8.048	ng	99
29) 2,4-Dichlorophenol	10.499	162	106742	6.435	ng	99
30) 1,2,4-Trichlorobenzene	10.722	180	131850	7.405	ng	99
31) Naphthalene	10.916	128	410027	7.345	ng	99
32) Benzoic acid	10.063	122	30798m	2.756	ng	
33) 4-Chloroaniline	11.016	127	152127	6.541	ng	98
34) Hexachlorobutadiene	11.204	225	80818	7.683	ng	97
35) Caprolactam	11.763	113	28233	5.227	ng	96
36) 4-Chloro-3-methylphenol	12.122	107	111933	6.286	ng	99
37) 2-Methylnaphthalene	12.516	142	292603	7.329	ng	98
38) 1-Methylnaphthalene	12.734	142	278926	7.110	ng	99
40) 1,2,4,5-Tetrachloroben...	12.875	216	157130	7.852	ng	99
41) Hexachlorocyclopentadiene	12.863	237	63721	8.372	ng	97
43) 2,4,6-Trichlorophenol	13.110	196	87285	6.127	ng	94

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Instrument :
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 ClientSampleId :
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Quant Time: Nov 21 03:36:31 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.175	196	100340	6.366	ng	99
46) 1,1'-Biphenyl	13.516	154	408340	7.959	ng	99
47) 2-Chloronaphthalene	13.557	162	307192	7.540	ng	99
48) 2-Nitroaniline	13.751	65	37718	4.626	ng	96
49) Acenaphthylene	14.398	152	479594	7.213	ng	100
50) Dimethylphthalate	14.134	163	367947	6.808	ng	100
51) 2,6-Dinitrotoluene	14.245	165	52938	5.586	ng	89
52) Acenaphthene	14.740	154	301130	7.096	ng	98
53) 3-Nitroaniline	14.569	138	51993	4.791	ng	96
54) 2,4-Dinitrophenol	14.775	184	17704	3.364	ng	91
55) Dibenzofuran	15.075	168	486541	7.595	ng	98
56) 4-Nitrophenol	14.863	139	48870	4.811	ng	94
57) 2,4-Dinitrotoluene	15.028	165	61987	4.917	ng	92
58) Fluorene	15.728	166	389800	7.731	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.292	232	88422	6.231	ng	99
60) Diethylphthalate	15.498	149	342784	6.448	ng	99
61) 4-Chlorophenyl-phenyle...	15.722	204	191608	7.906	ng	96
62) 4-Nitroaniline	15.734	138	47339	4.459	ng	91
63) Azobenzene	16.016	77	356259	7.335	ng	98
65) 4,6-Dinitro-2-methylph...	15.792	198	26280	3.512	ng	97
66) n-Nitrosodiphenylamine	15.934	169	308535	6.794	ng	98
67) 4-Bromophenyl-phenylether	16.622	248	106437	6.680	ng	95
68) Hexachlorobenzene	16.734	284	137528	7.443	ng	99
69) Atrazine	16.886	200	76515	6.395	ng	97
70) Pentachlorophenol	17.075	266	69811	5.821	ng	98
71) Phenanthrene	17.475	178	636762	7.367	ng	99
72) Anthracene	17.569	178	621250	7.450	ng	98
73) Carbazole	17.828	167	568747	7.181	ng	99
74) Di-n-butylphthalate	18.386	149	430377	5.212	ng	# 98
75) Fluoranthene	19.433	202	723607	7.067	ng	99
77) Benzidine	19.604	184	106414	4.916	ng	98
78) Pyrene	19.780	202	748170	6.723	ng	99
80) Butylbenzylphthalate	20.657	149	74357	3.702	ng	100
81) Benzo(a)anthracene	21.498	228	752467	6.816	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	104841	3.773	ng	99
83) Chrysene	21.557	228	734347	7.015	ng	97
84) Bis(2-ethylhexyl)phtha...	21.427	149	132027m	3.627	ng	
85) Di-n-octyl phthalate	22.404	149	217142	2.820	ng	# 88
87) Indeno(1,2,3-cd)pyrene	26.698	276	704338	6.253	ng	99
88) Benzo(b)fluoranthene	23.268	252	685336	6.690	ng	99
89) Benzo(k)fluoranthene	23.321	252	758805	7.455	ng	99
90) Benzo(a)pyrene	23.927	252	579163	6.813	ng	98
91) Dibenzo(a,h)anthracene	26.727	278	629841	6.762	ng	99
92) Benzo(g,h,i)perylene	27.515	276	596328	6.591	ng	98

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

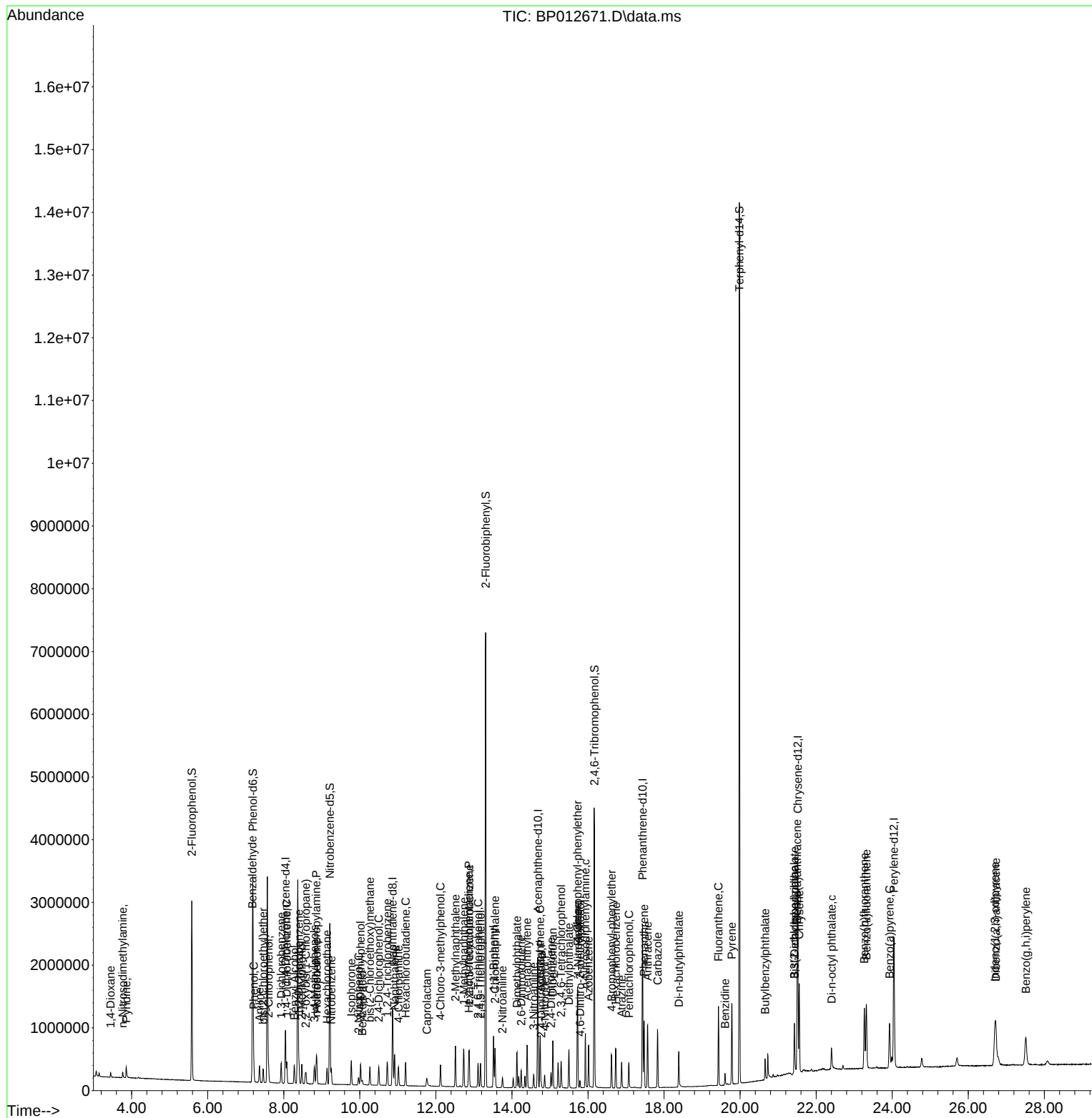
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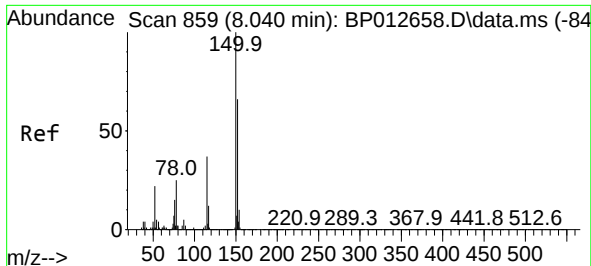
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

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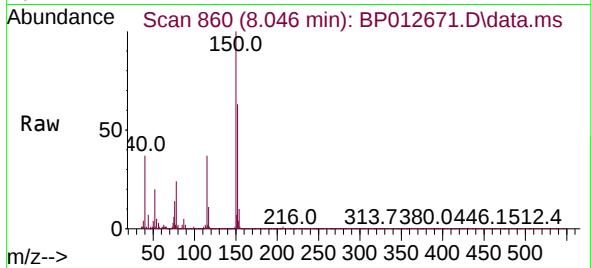
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.046 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

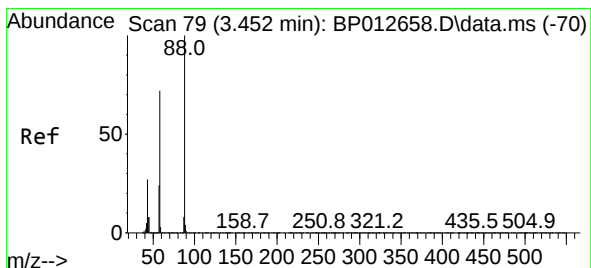
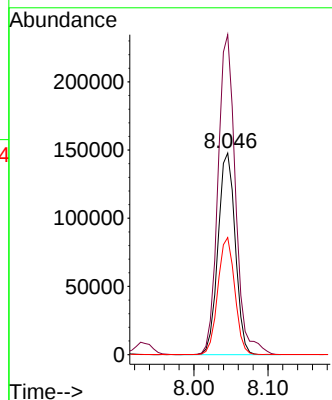
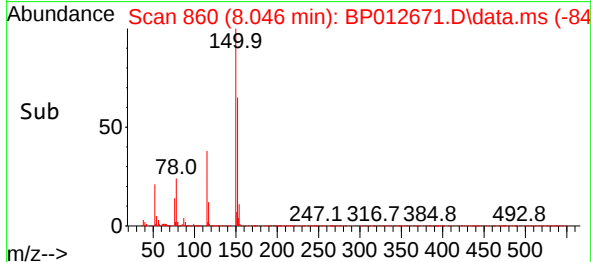
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



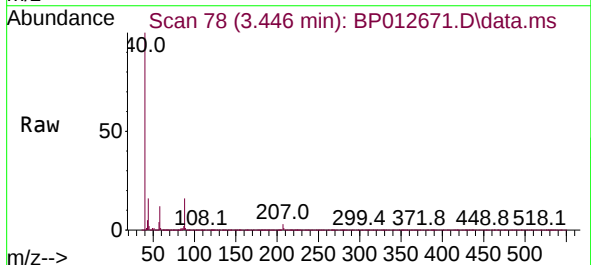
Tgt Ion:152 Resp: 237598
Ion Ratio Lower Upper
152 100
150 158.8 121.8 182.8
115 58.1 45.4 68.2

Manual Integrations
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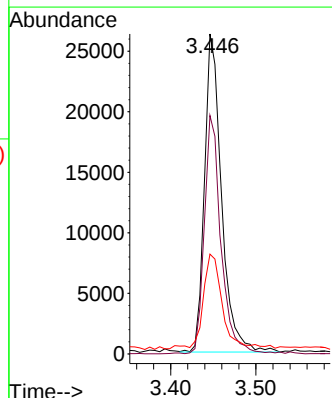
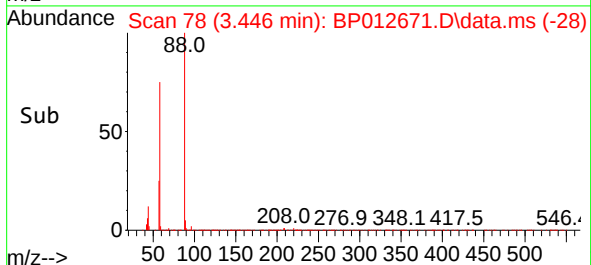
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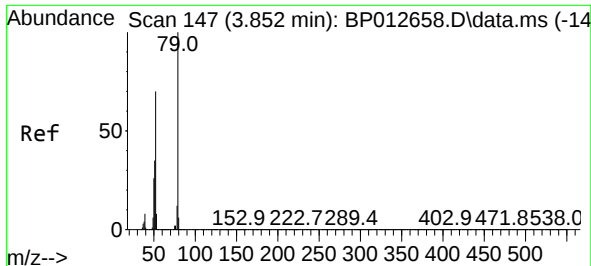


#2
1,4-Dioxane
Concen: 6.912 ng
RT: 3.446 min Scan# 78
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



Tgt Ion: 88 Resp: 36494
Ion Ratio Lower Upper
88 100
58 72.9 59.3 88.9
43 34.0 23.0 34.4





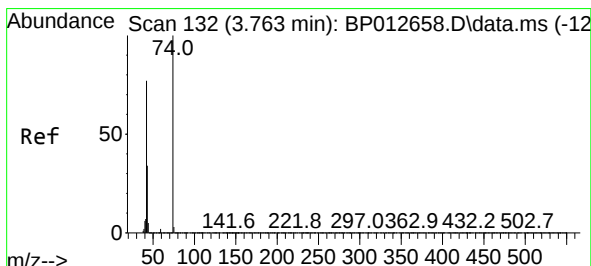
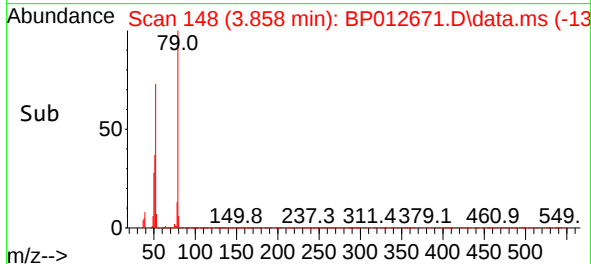
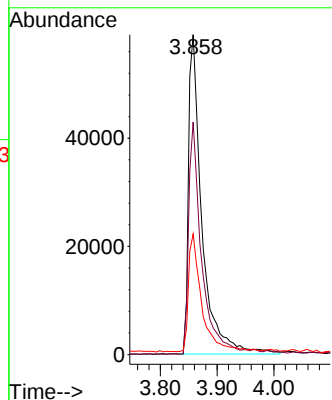
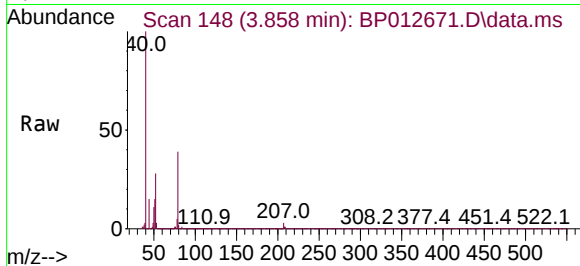
#3
Pyridine
Concen: 5.844 ng
RT: 3.858 min Scan# 147
Delta R.T. 0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion: 79 Resp: 97402
Ion Ratio Lower Upper
79 100
52 72.7 56.1 84.1
51 37.7 28.1 42.1

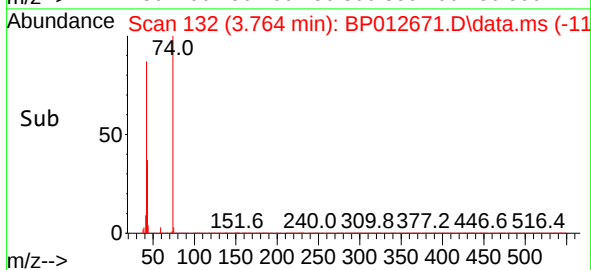
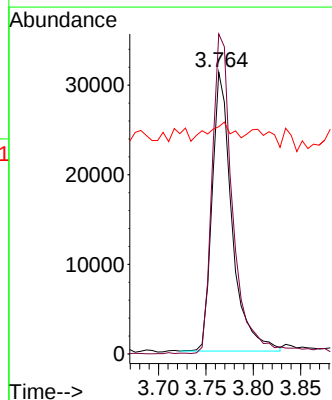
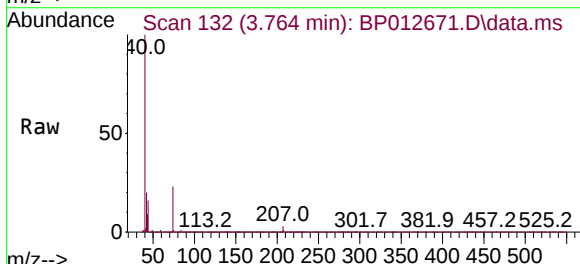
Manual Integrations
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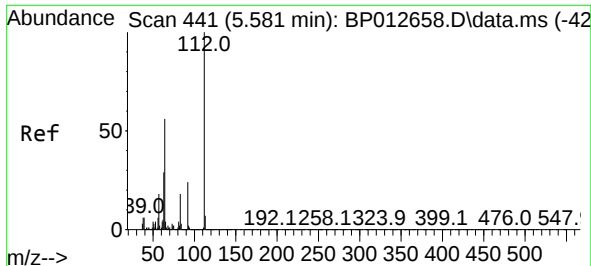
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#4
n-Nitrosodimethylamine
Concen: 6.397 ng
RT: 3.764 min Scan# 132
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion: 42 Resp: 45531
Ion Ratio Lower Upper
42 100
74 113.6 103.5 155.3
44 80.6 6.4 9.6#





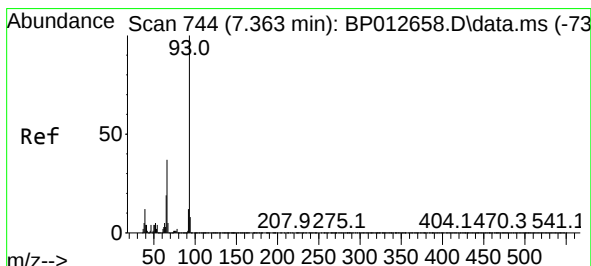
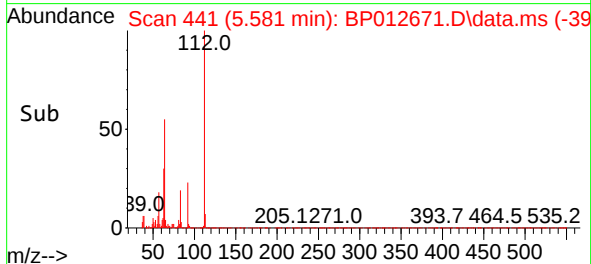
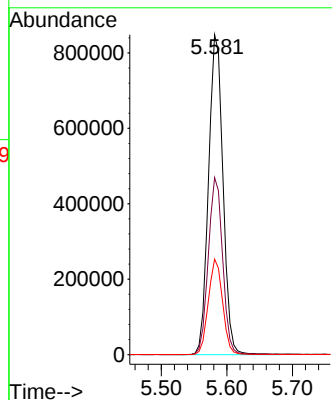
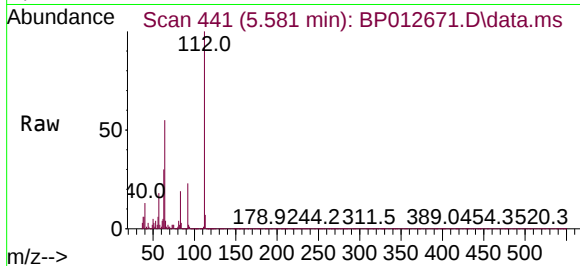
#5
2-Fluorophenol
Concen: 98.553 ng
RT: 5.581 min Scan# 441
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:112 Resp: 1295669
Ion Ratio Lower Upper
112 100
64 55.3 44.7 67.1
63 29.8 23.3 34.9

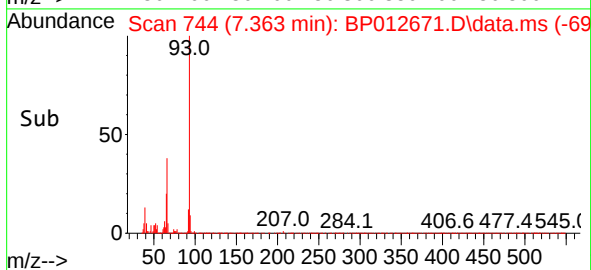
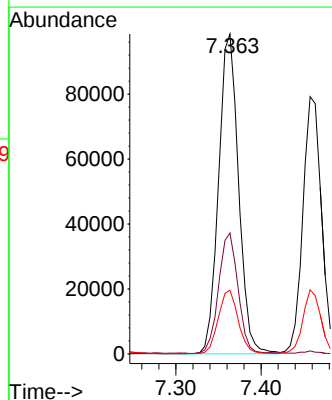
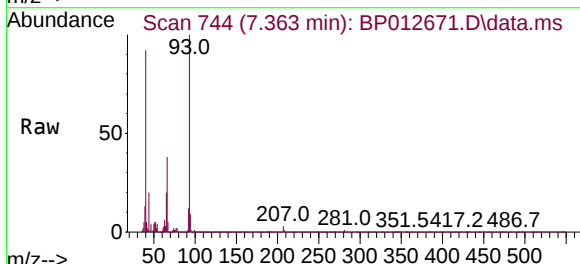
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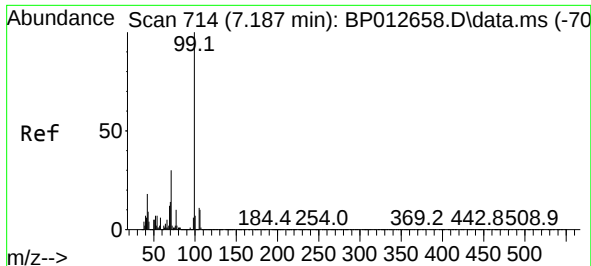
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 6.948 ng
RT: 7.363 min Scan# 744
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

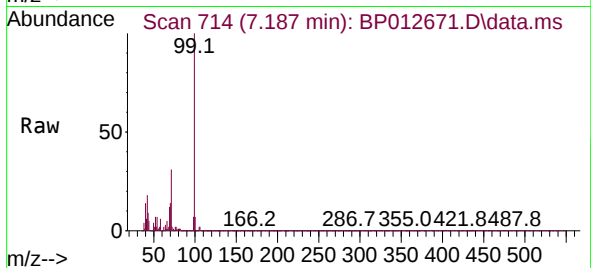
Tgt Ion: 93 Resp: 160270
Ion Ratio Lower Upper
93 100
66 37.8 29.9 44.9
65 19.9 15.4 23.2





#7
Phenol-d6
Concen: 98.707 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BP012671.D
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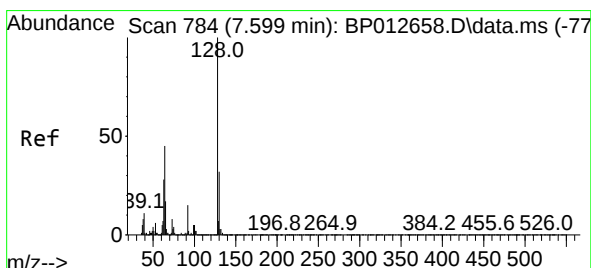
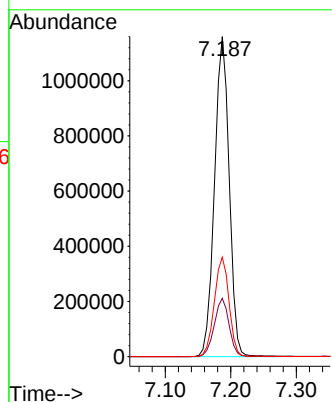
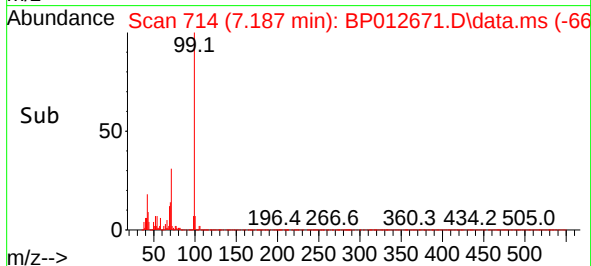
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 1807305
Ion Ratio Lower Upper
99 100
42 18.2 14.2 21.2
71 31.1 24.4 36.6

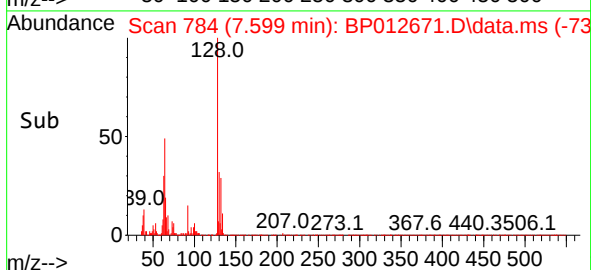
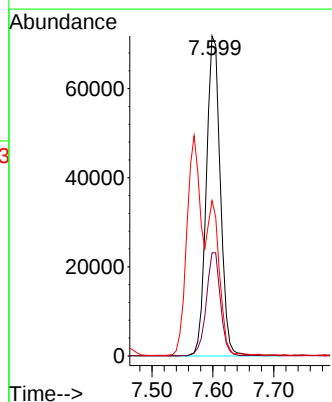
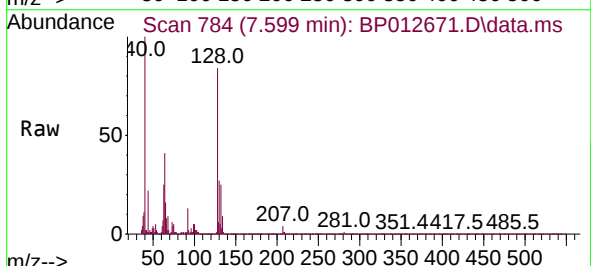
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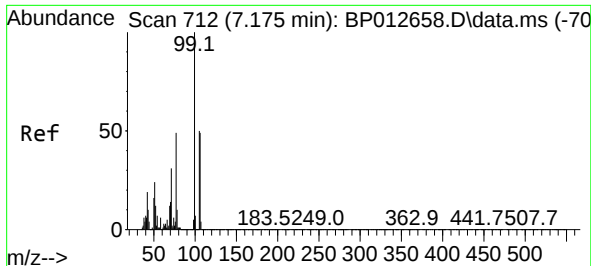
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 7.088 ng
RT: 7.599 min Scan# 784
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

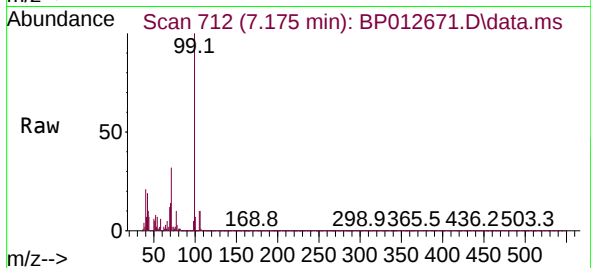
Tgt Ion:128 Resp: 115064
Ion Ratio Lower Upper
128 100
130 32.2 12.0 52.0
64 48.6 25.5 65.5





#9
Benzaldehyde
Concen: 9.936 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BP012671.D
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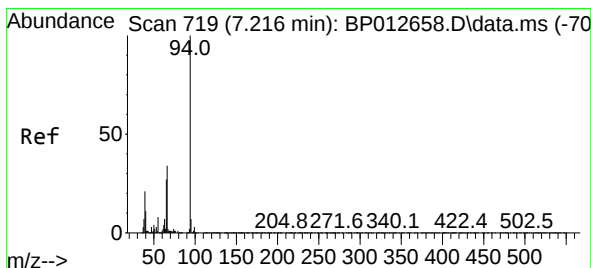
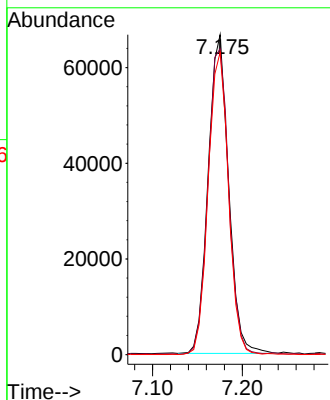
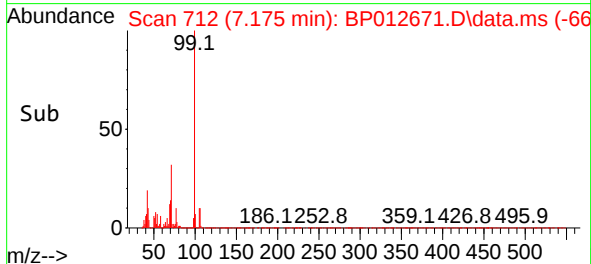
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ClientSampleId :
LOQ-SOIL-02-QT4-2022



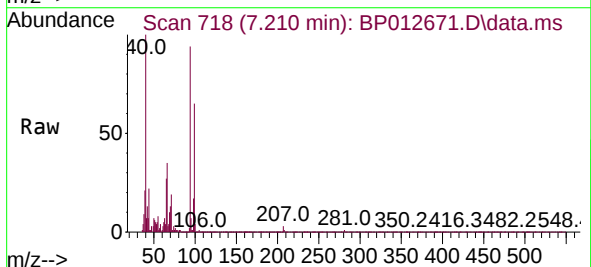
Tgt Ion: 77 Resp: 106096
Ion Ratio Lower Upper
77 100
105 95.6 82.0 122.0
106 94.5 79.6 119.6

Manual Integrations
APPROVED

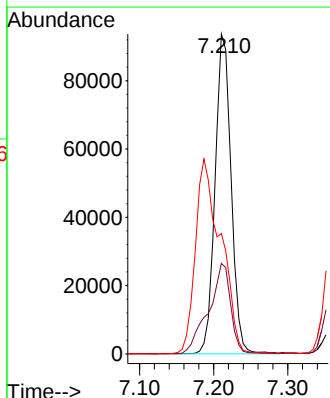
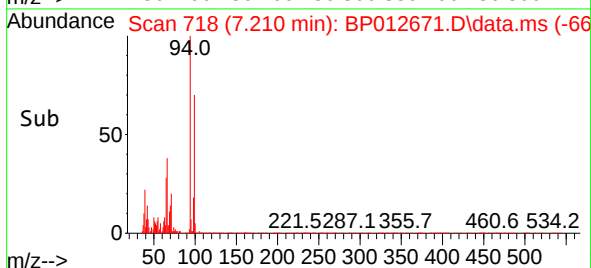
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

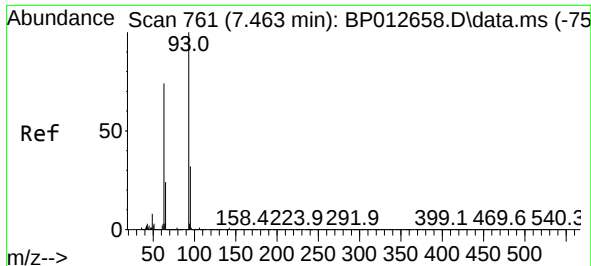


#10
Phenol
Concen: 6.837 ng
RT: 7.210 min Scan# 718
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



Tgt Ion: 94 Resp: 141026
Ion Ratio Lower Upper
94 100
65 28.3 6.8 46.8
66 37.6 13.9 53.9





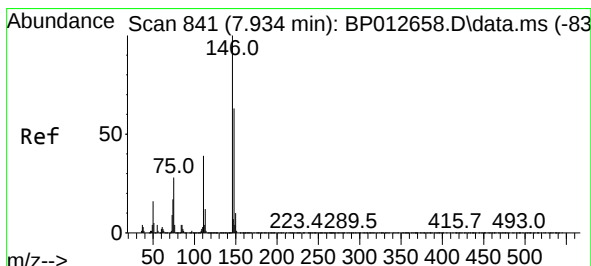
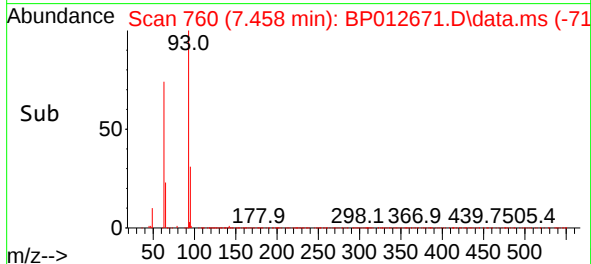
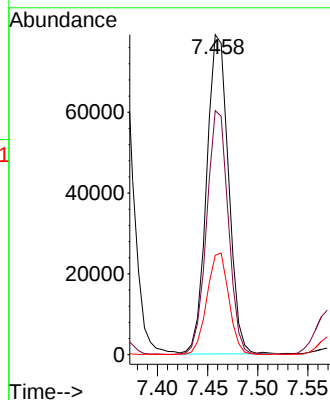
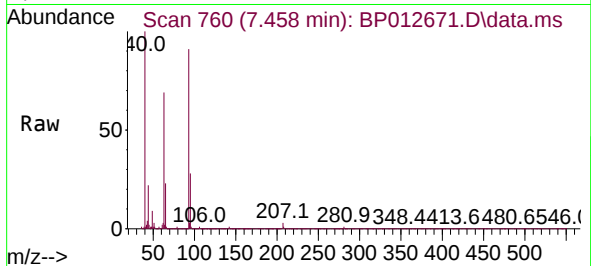
#11
bis(2-Chloroethyl)ether
Concen: 7.288 ng
RT: 7.458 min Scan# 760
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion: 93 Resp: 119748
Ion Ratio Lower Upper
93 100
63 76.2 53.9 93.9
95 31.0 12.3 52.3

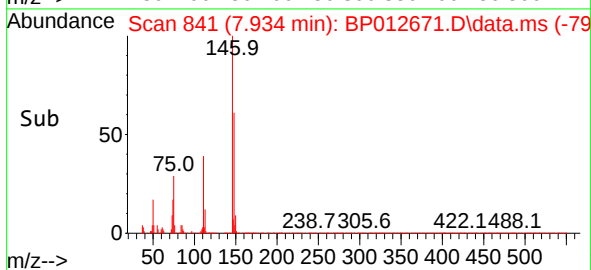
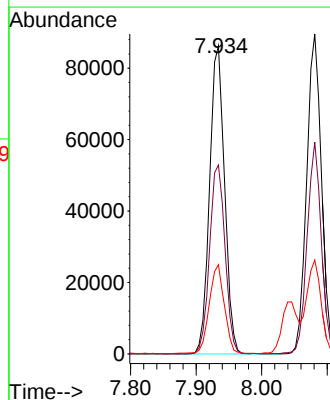
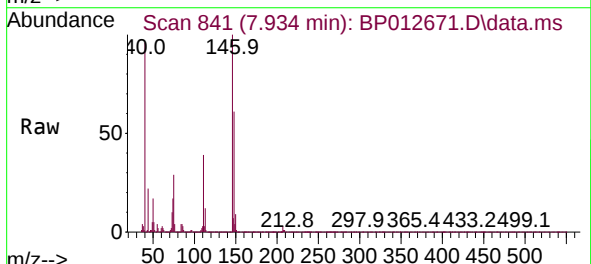
Manual Integrations
APPROVED

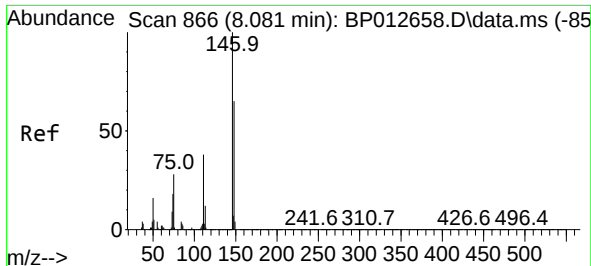
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 7.579 ng
RT: 7.934 min Scan# 841
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:146 Resp: 136552
Ion Ratio Lower Upper
146 100
148 61.3 50.6 76.0
75 28.9 22.5 33.7





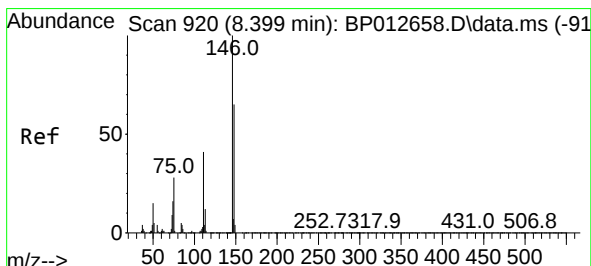
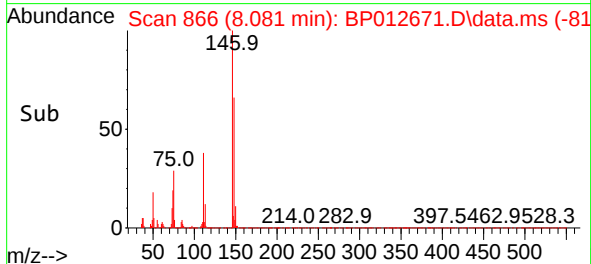
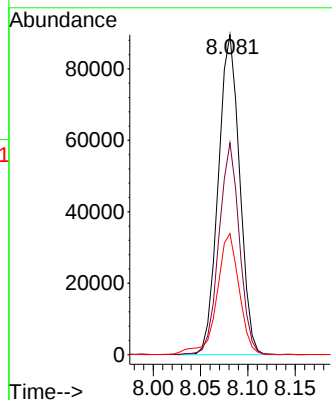
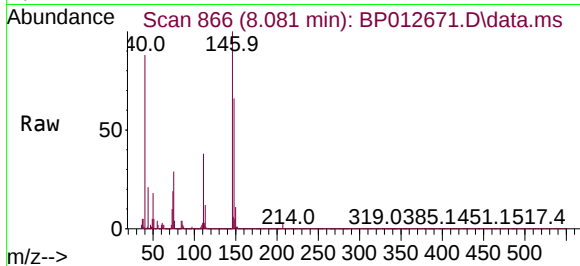
#13
1,4-Dichlorobenzene
Concen: 7.634 ng
RT: 8.081 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:146 Resp: 14024
Ion Ratio Lower Upper
146 100
148 66.2 52.2 78.4
111 37.8 30.6 45.8

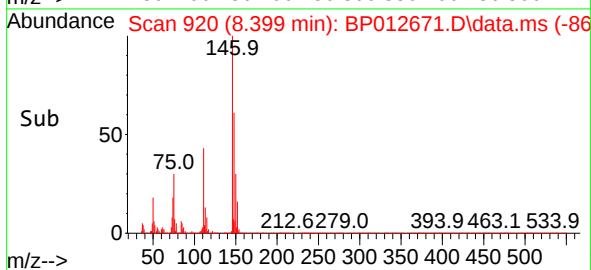
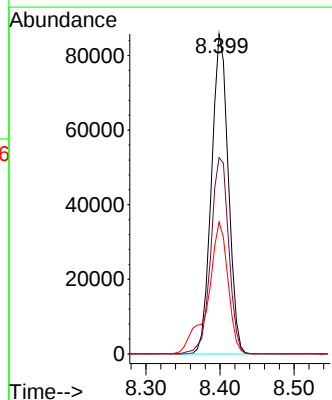
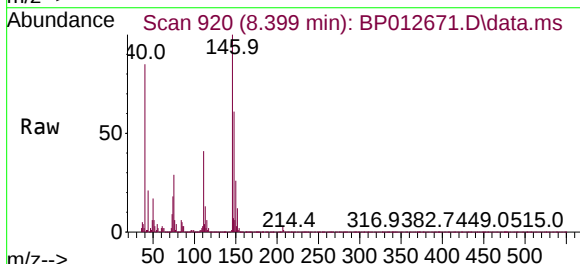
Manual Integrations
APPROVED

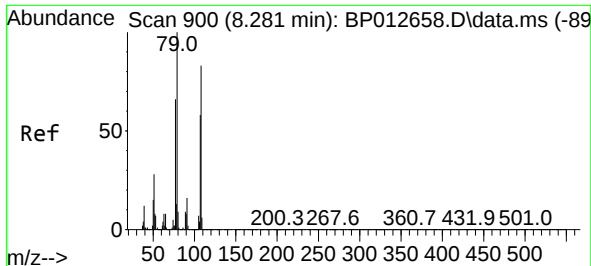
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#14
1,2-Dichlorobenzene
Concen: 7.678 ng
RT: 8.399 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:146 Resp: 135357
Ion Ratio Lower Upper
146 100
148 61.3 52.1 78.1
111 41.2 32.8 49.2





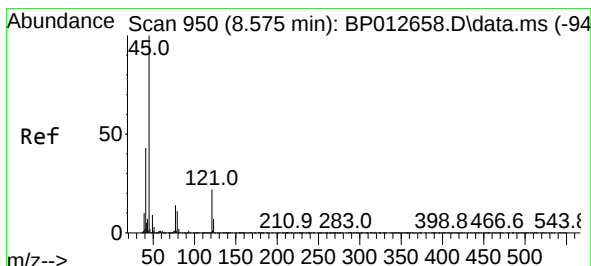
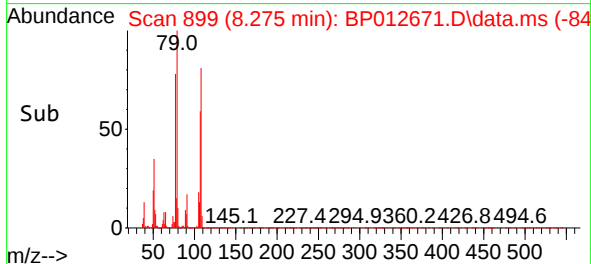
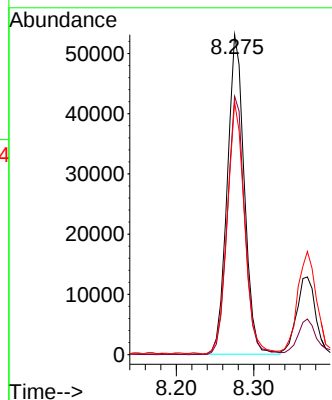
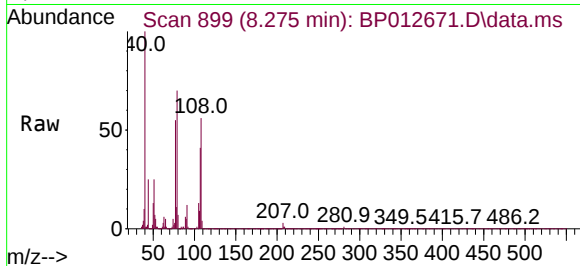
#15
Benzyl Alcohol
Concen: 5.968 ng
RT: 8.275 min Scan# 89
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion: 79 Resp: 81414
Ion Ratio Lower Upper
79 100
108 80.7 66.4 99.6
77 78.9 53.2 79.8

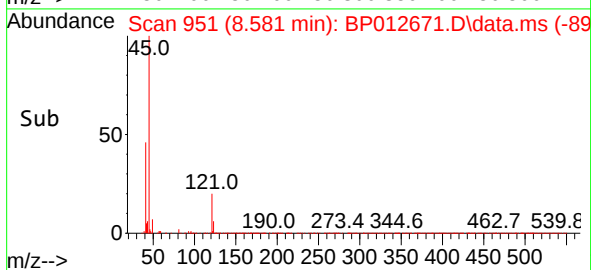
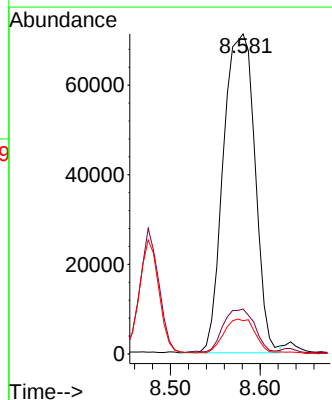
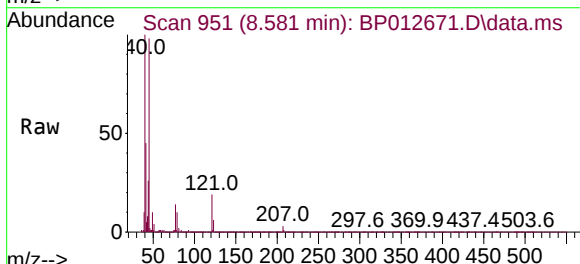
Manual Integrations
APPROVED

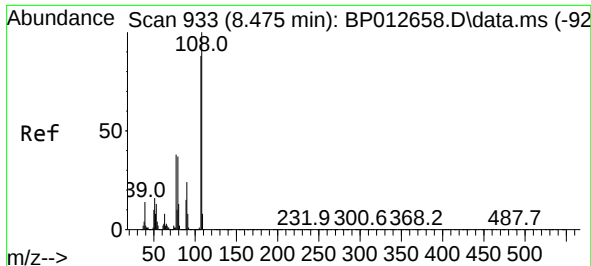
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.544 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion: 45 Resp: 174907
Ion Ratio Lower Upper
45 100
77 14.0 0.0 33.8
79 10.4 0.0 30.7





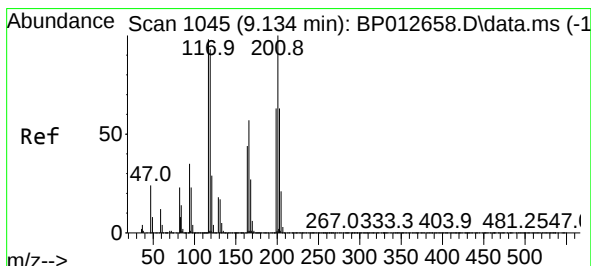
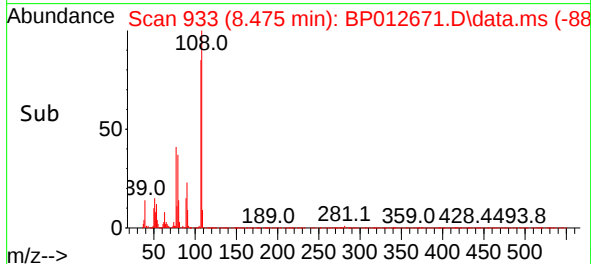
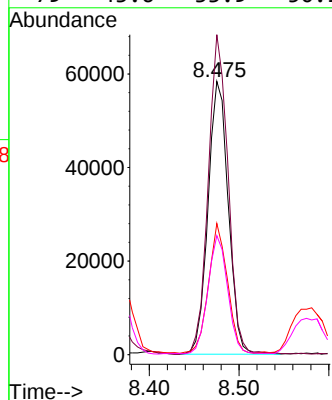
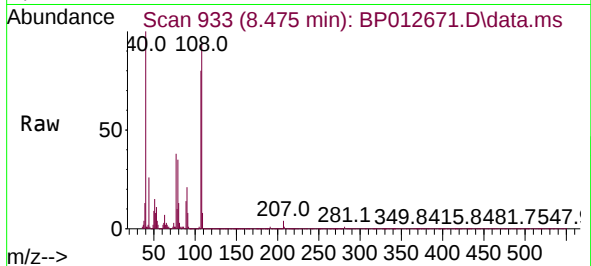
#17
2-Methylphenol
Concen: 6.406 ng
RT: 8.475 min Scan# 933
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:	107	Resp:	91628
Ion Ratio	Lower	Upper	
107	100		
108	117.1	91.0	136.6
77	48.0	35.1	52.7
79	43.6	33.9	50.9

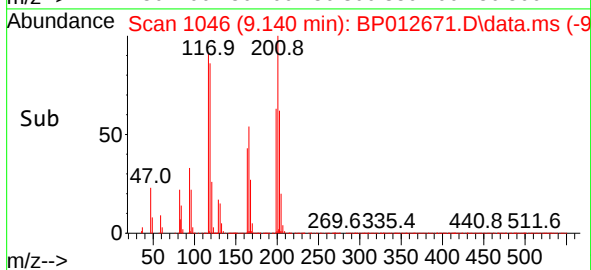
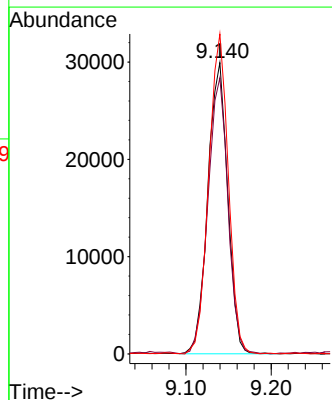
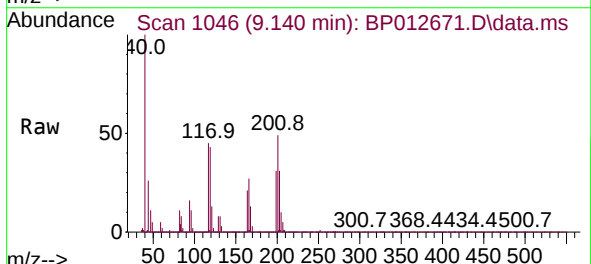
Manual Integrations
APPROVED

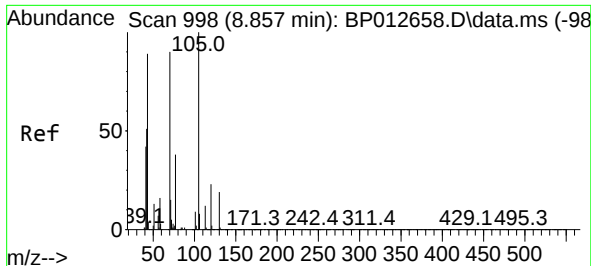
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 7.898 ng
RT: 9.140 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:	117	Resp:	48487
Ion Ratio	Lower	Upper	
117	100		
119	94.8	76.1	114.1
201	109.9	81.8	122.8





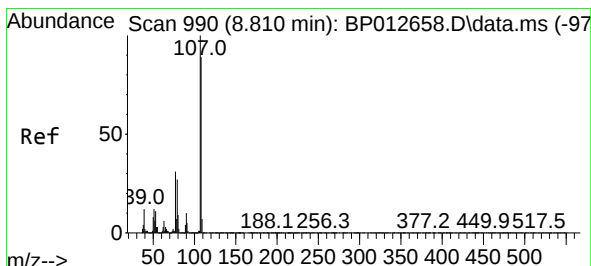
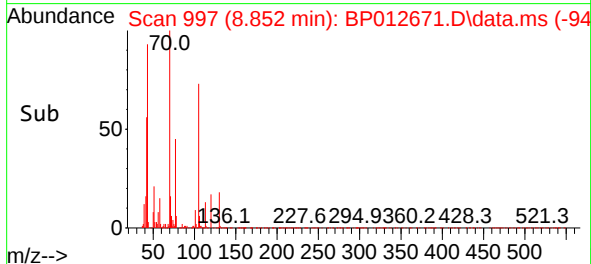
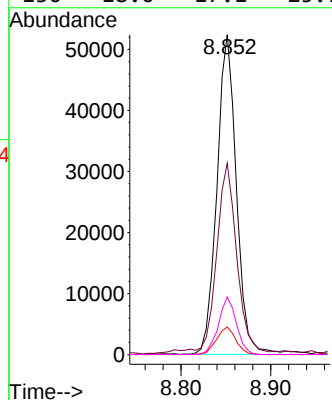
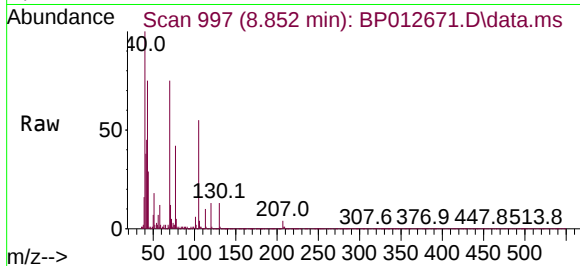
#19
n-Nitroso-di-n-propylamine
Concen: 6.377 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion: 70 Resp: 79362
Ion Ratio Lower Upper
70 100
42 59.8 46.4 69.6
101 8.6 7.6 11.4
130 18.0 17.1 25.7

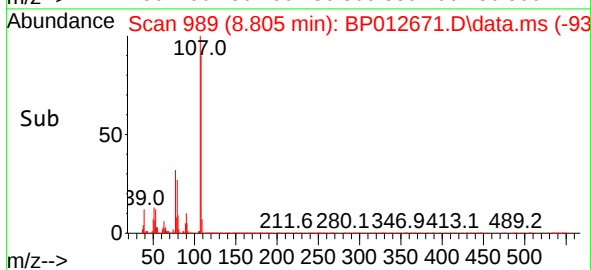
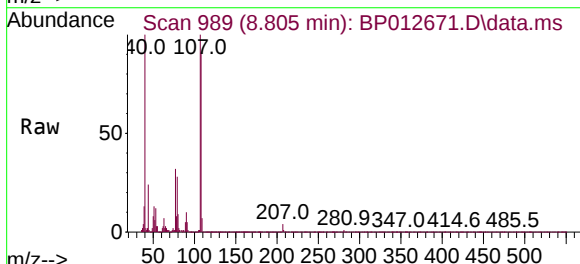
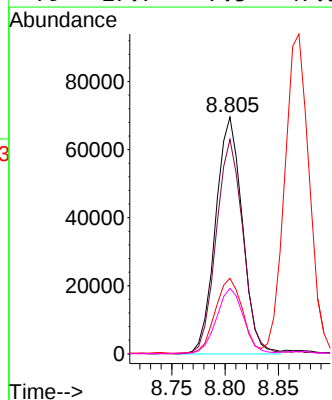
Manual Integrations
APPROVED

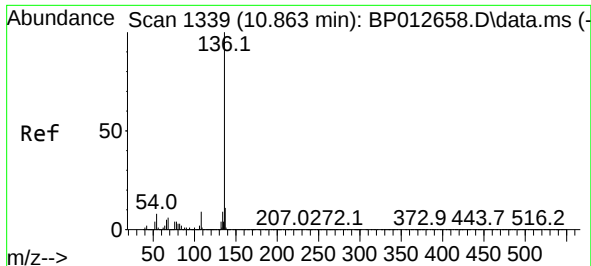
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 6.075 ng
RT: 8.805 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

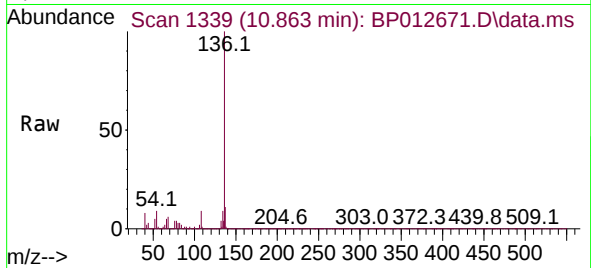
Tgt Ion:107 Resp: 121727
Ion Ratio Lower Upper
107 100
108 90.6 69.1 109.1
77 31.9 10.8 50.8
79 27.7 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.863 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

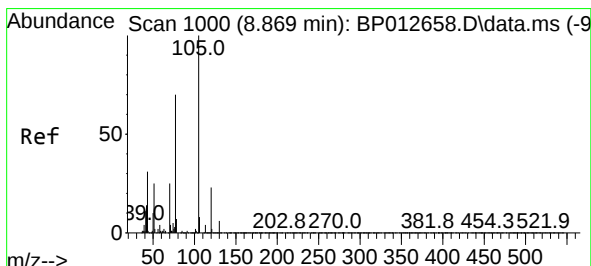
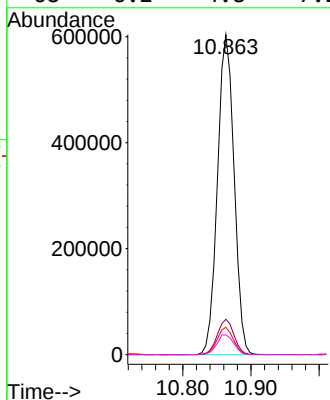
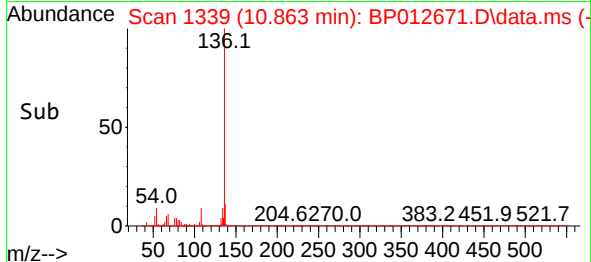
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:136 Resp: 1015475
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.5 6.3 9.5
68 6.2 4.8 7.2

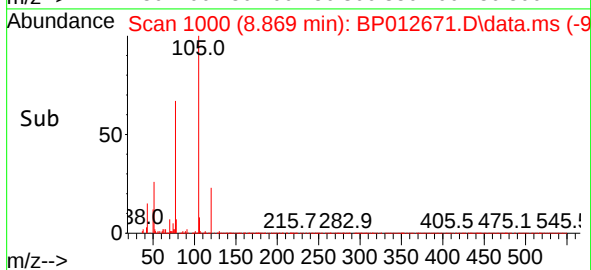
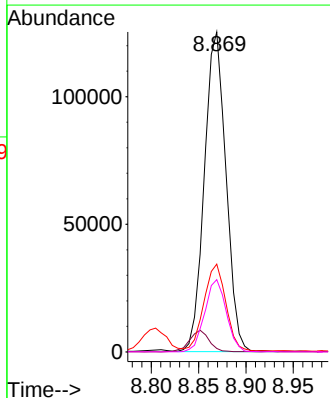
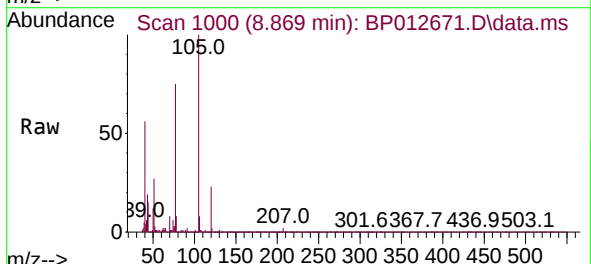
Manual Integrations
APPROVED

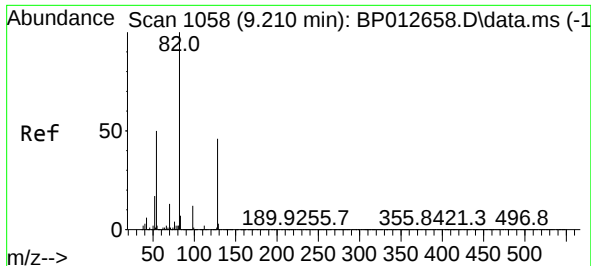
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#22
Acetophenone
Concen: 7.854 ng
RT: 8.869 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:105 Resp: 199078
Ion Ratio Lower Upper
105 100
71 1.1 3.1 4.7#
51 27.4 21.4 32.2
120 22.6 18.6 28.0





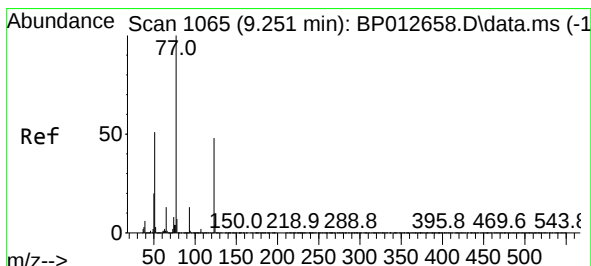
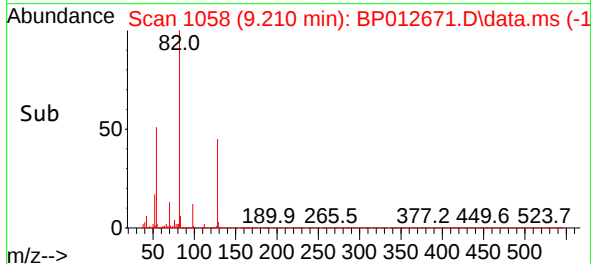
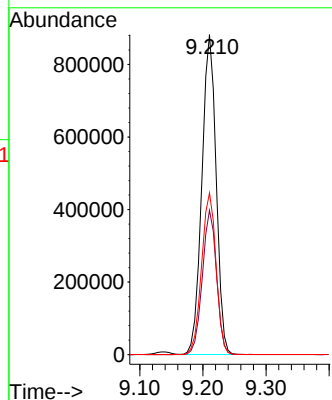
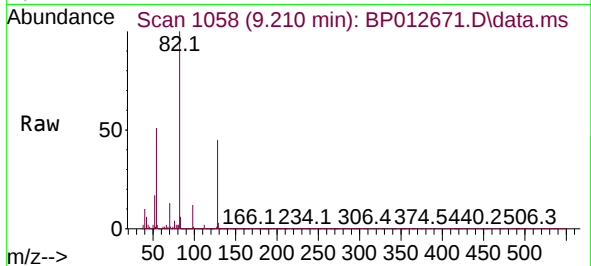
#23
Nitrobenzene-d5
Concen: 85.877 ng
RT: 9.210 min Scan# 1058
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion: 82 Resp: 138698
Ion Ratio Lower Upper
82 100
128 45.1 36.5 54.7
54 50.6 39.9 59.9

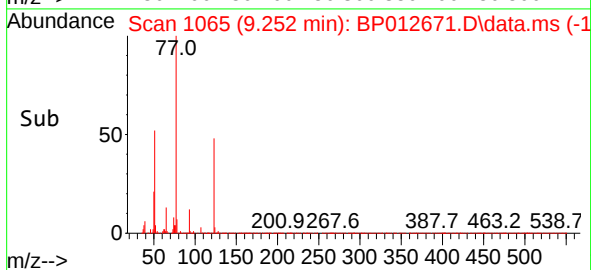
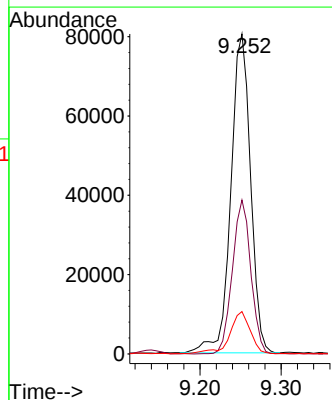
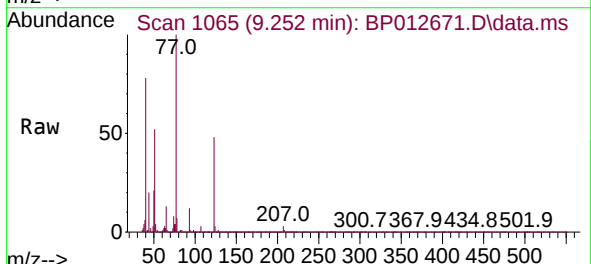
Manual Integrations
APPROVED

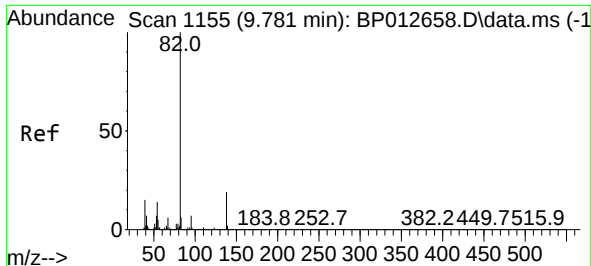
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 7.770 ng
RT: 9.252 min Scan# 1065
Delta R.T. 0.001 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

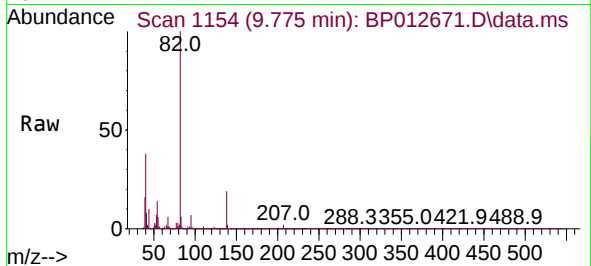
Tgt Ion: 77 Resp: 135518
Ion Ratio Lower Upper
77 100
123 48.1 38.7 58.1
65 13.2 10.6 15.8





#25
Isophorone
Concen: 7.272 ng
RT: 9.775 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

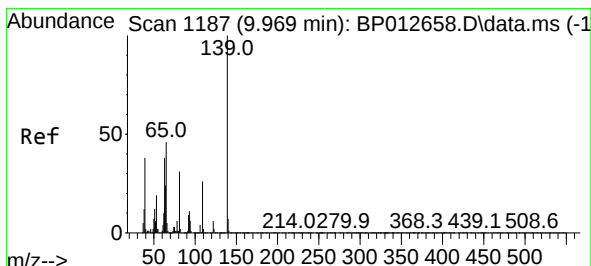
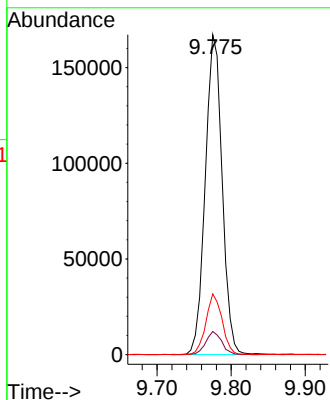
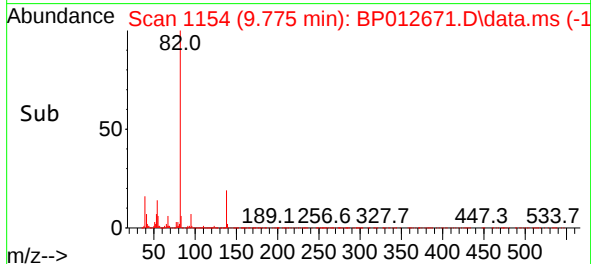
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion: 82 Resp: 264184
Ion Ratio Lower Upper
82 100
95 7.2 5.4 8.0
138 19.0 14.9 22.3

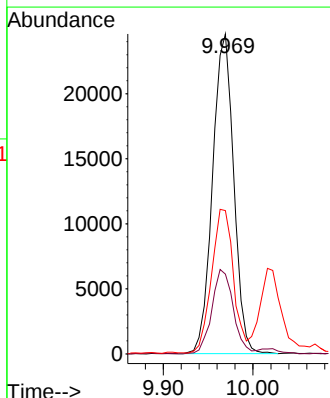
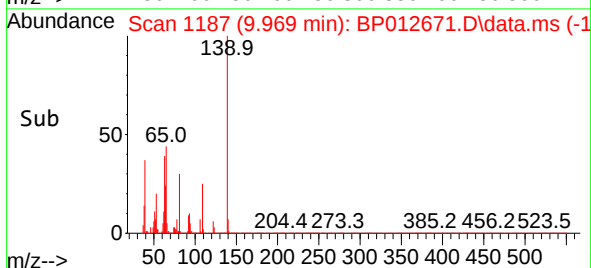
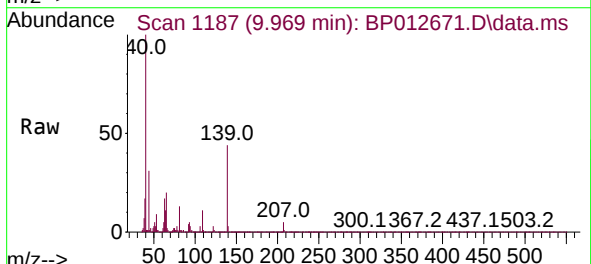
Manual Integrations
APPROVED

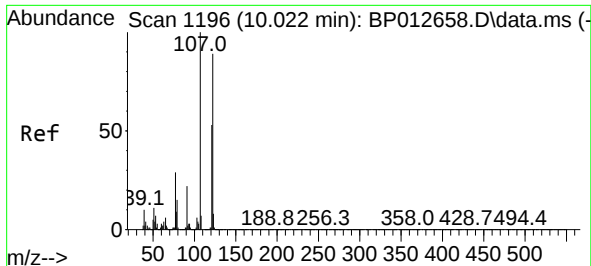
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 5.329 ng
RT: 9.969 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

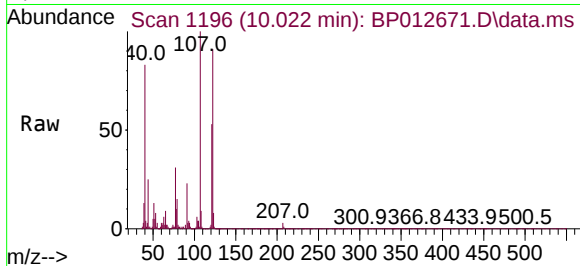
Tgt Ion:139 Resp: 40303
Ion Ratio Lower Upper
139 100
109 24.9 20.9 31.3
65 44.8 36.6 54.8





#27
2,4-Dimethylphenol
Concen: 7.153 ng
RT: 10.022 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

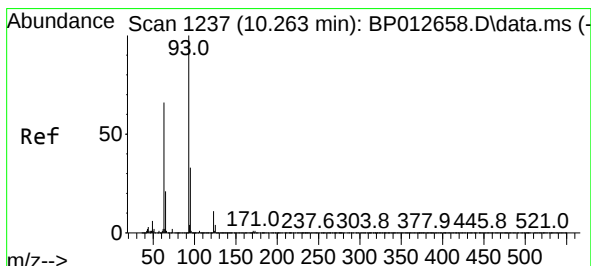
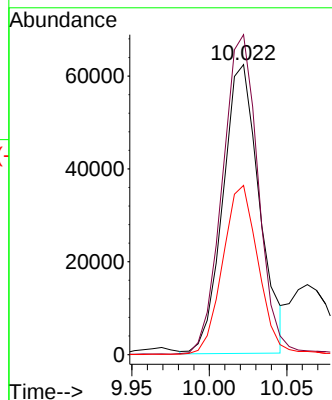
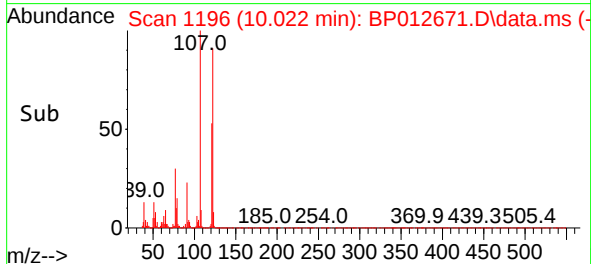
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



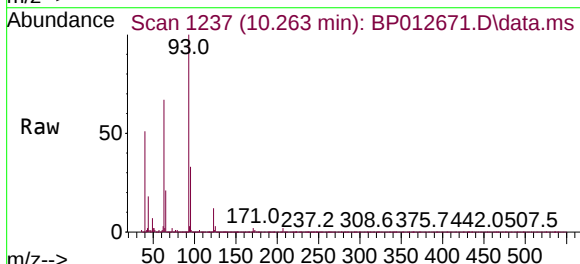
Tgt Ion:122 Resp: 102080
Ion Ratio Lower Upper
122 100
107 110.3 89.2 133.8
121 58.3 47.1 70.7

Manual Integrations
APPROVED

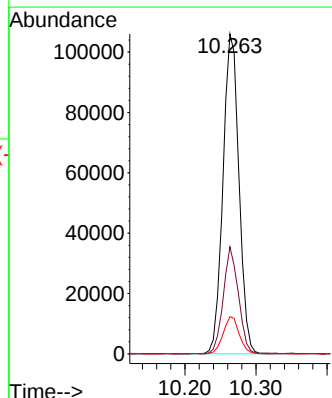
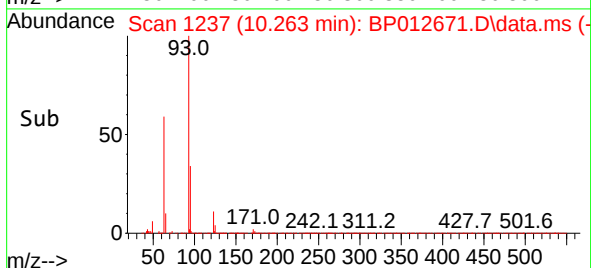
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

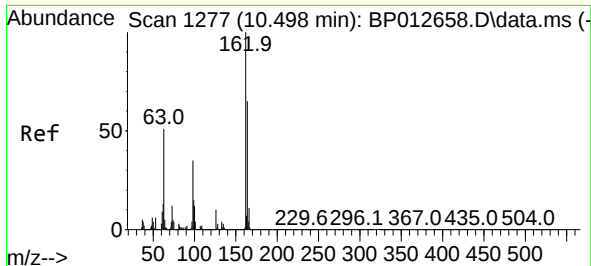


#28
bis(2-Chloroethoxy)methane
Concen: 8.048 ng
RT: 10.263 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



Tgt Ion: 93 Resp: 166302
Ion Ratio Lower Upper
93 100
95 33.5 26.2 39.4
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 6.435 ng

RT: 10.499 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

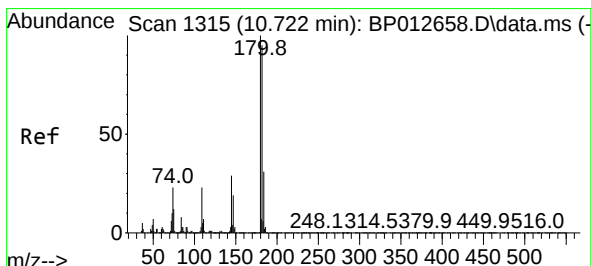
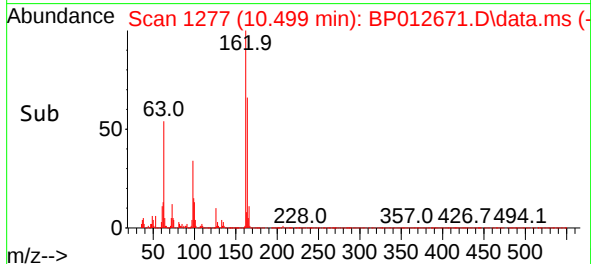
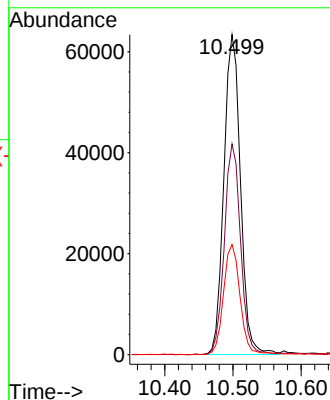
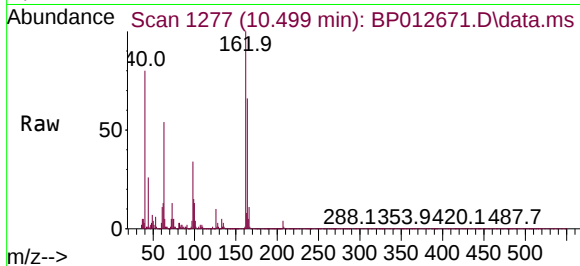
Tgt Ion:	162	Resp:	10674
Ion Ratio	Lower	Upper	
162	100		
164	65.8	44.7	84.7
98	34.4	14.9	54.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 7.405 ng

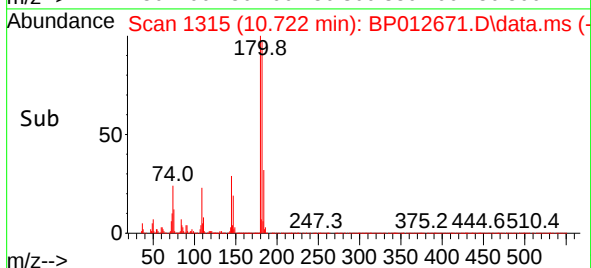
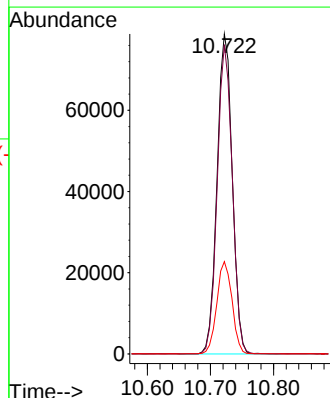
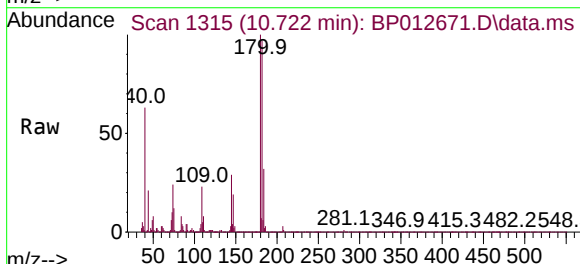
RT: 10.722 min Scan# 1315

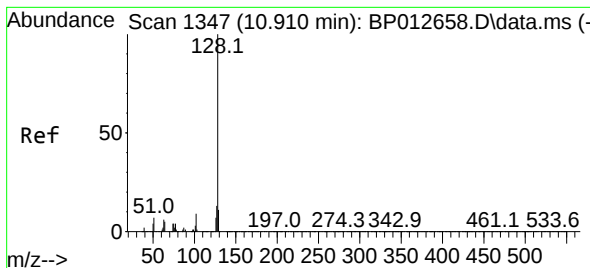
Delta R.T. 0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

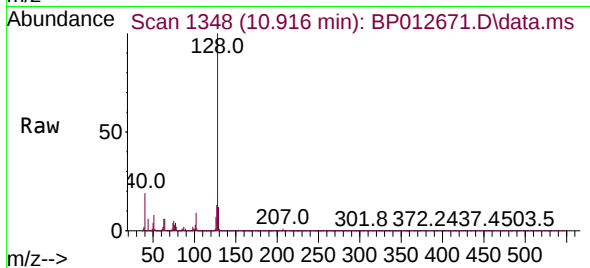
Tgt Ion:	180	Resp:	131850
Ion Ratio	Lower	Upper	
180	100		
182	96.6	76.1	114.1
145	28.8	23.0	34.4





#31
Naphthalene
Concen: 7.345 ng
RT: 10.916 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

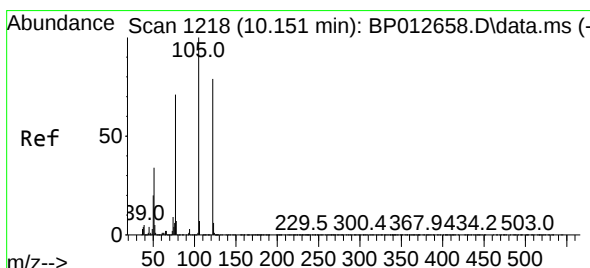
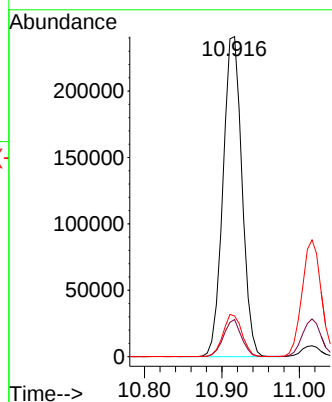
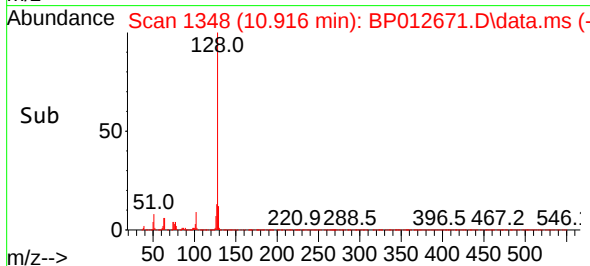
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 410027
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 12.7 10.5 15.7

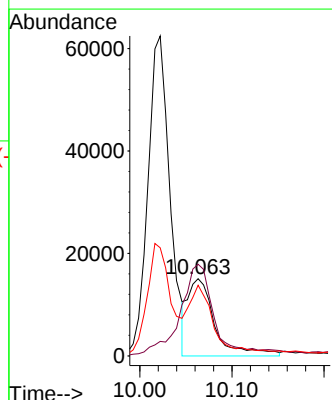
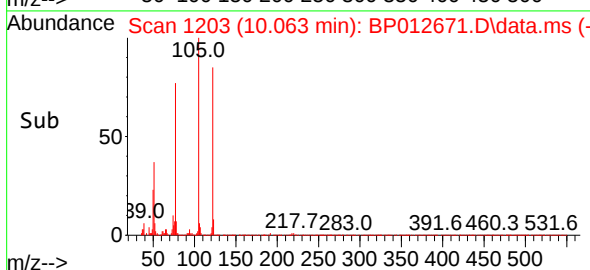
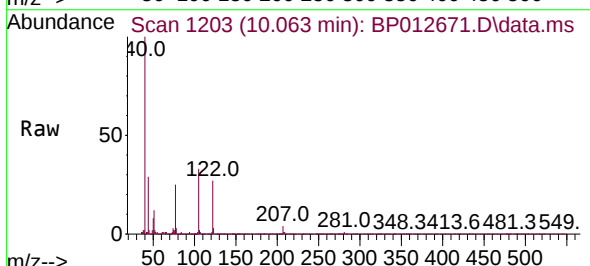
Manual Integrations
APPROVED

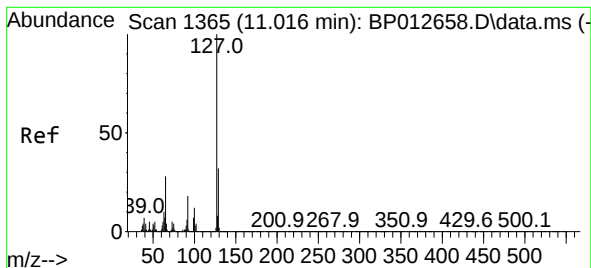
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 2.756 ng m
RT: 10.063 min Scan# 1203
Delta R.T. -0.088 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:122 Resp: 30798
Ion Ratio Lower Upper
122 100
105 118.7 101.1 141.1
77 91.5 67.6 107.6





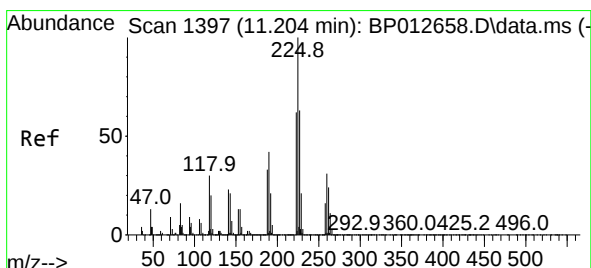
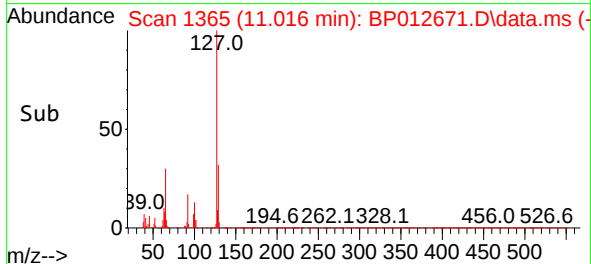
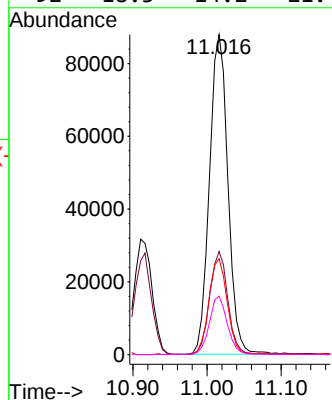
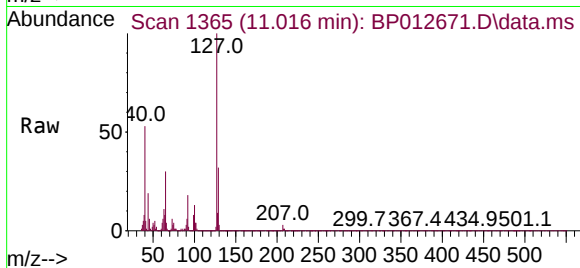
#33
4-Chloroaniline
Concen: 6.541 ng
RT: 11.016 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:	127	Resp:	15212
Ion Ratio	Lower	Upper	
127	100		
129	32.2	25.4	38.0
65	30.0	22.6	33.8
92	18.3	14.2	21.4

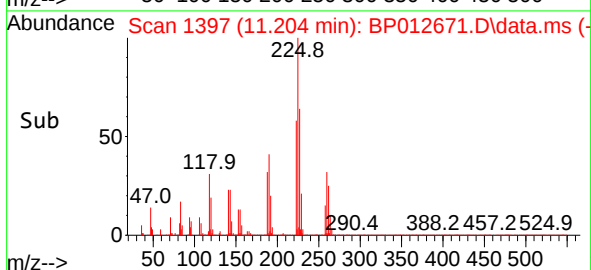
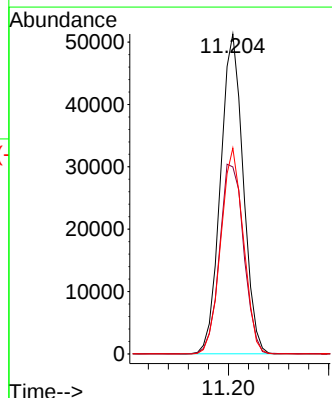
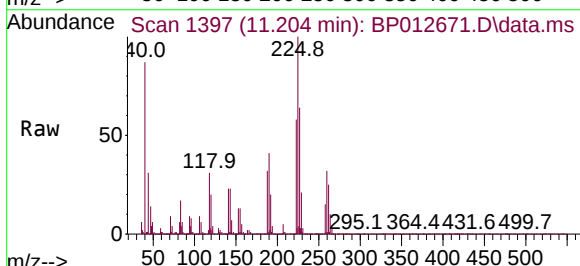
Manual Integrations
APPROVED

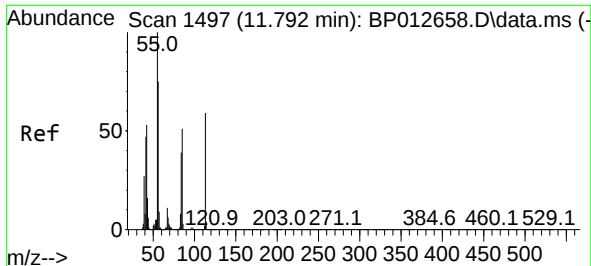
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 7.683 ng
RT: 11.204 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

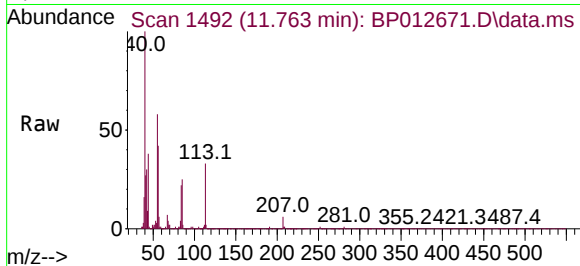
Tgt Ion:	225	Resp:	80818
Ion Ratio	Lower	Upper	
225	100		
223	58.4	49.6	74.4
227	64.3	50.0	75.0





#35
Caprolactam
Concen: 5.227 ng
RT: 11.763 min Scan# 1492
Delta R.T. -0.029 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

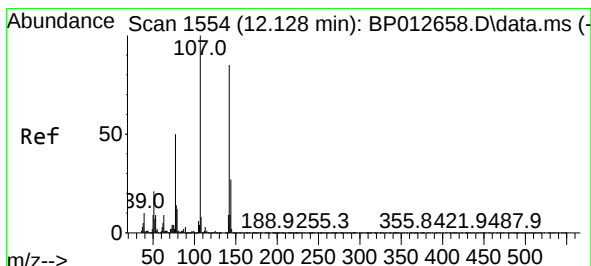
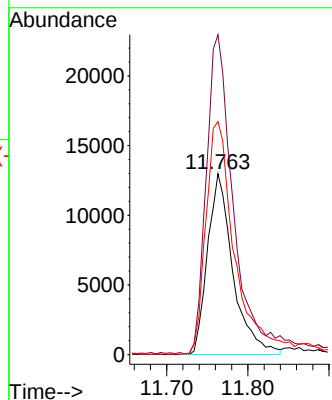
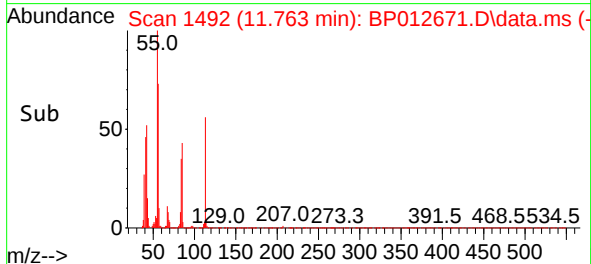
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



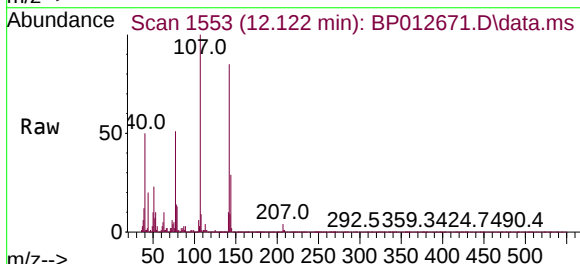
Tgt Ion:113 Resp: 28233
Ion Ratio Lower Upper
113 100
55 176.9 149.2 189.2
56 128.9 106.9 146.9

Manual Integrations
APPROVED

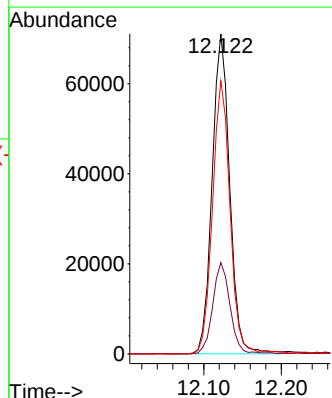
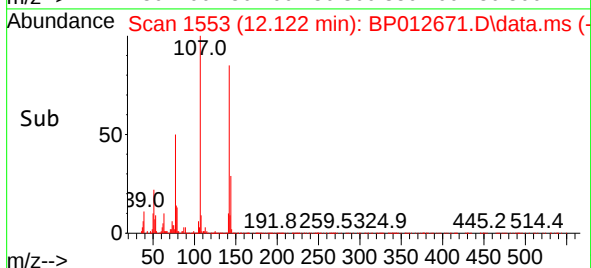
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

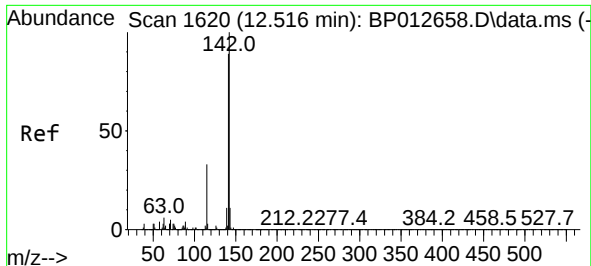


#36
4-Chloro-3-methylphenol
Concen: 6.286 ng
RT: 12.122 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



Tgt Ion:107 Resp: 111933
Ion Ratio Lower Upper
107 100
144 28.5 21.9 32.9
142 85.3 68.1 102.1





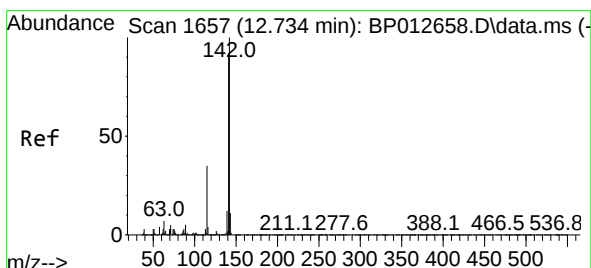
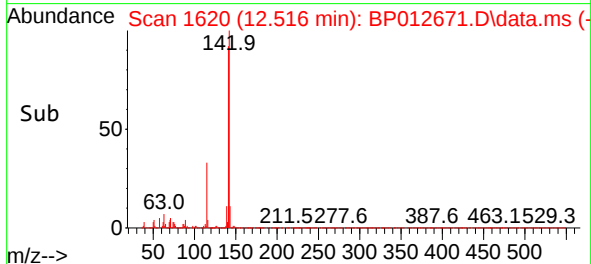
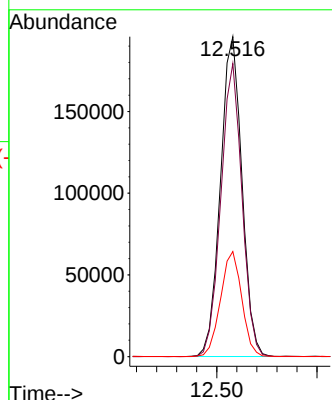
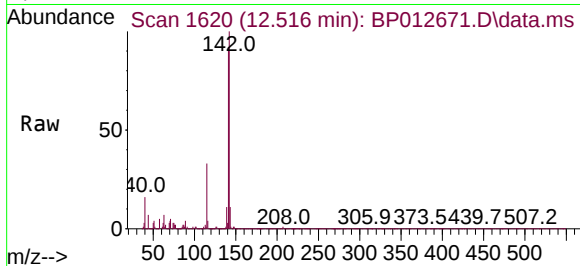
#37
2-Methylnaphthalene
Concen: 7.329 ng
RT: 12.516 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:142 Resp: 292603
Ion Ratio Lower Upper
142 100
141 91.6 71.0 106.6
115 32.8 26.2 39.4

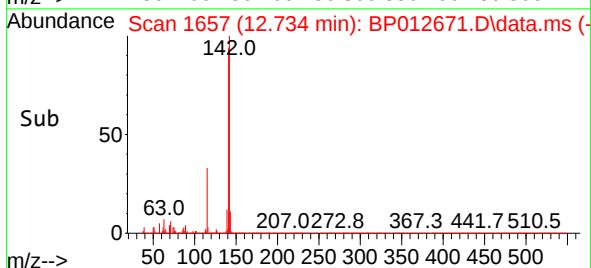
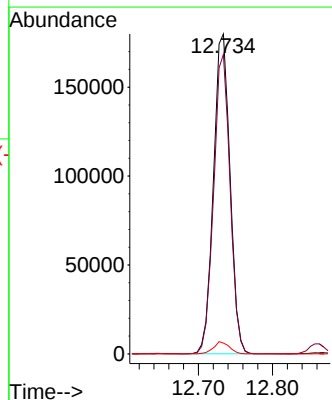
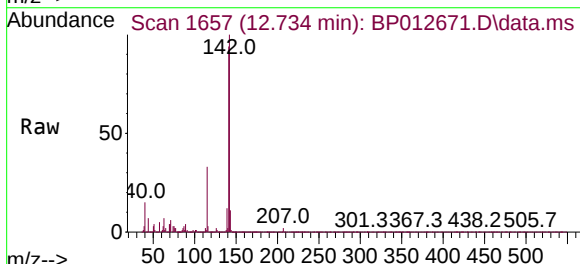
Manual Integrations
APPROVED

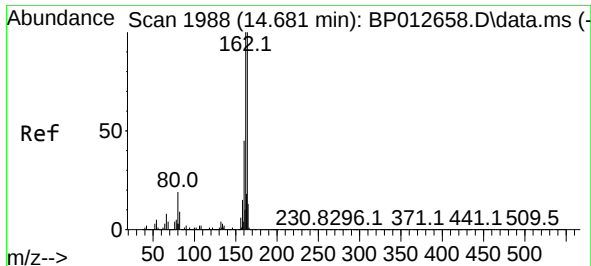
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#38
1-Methylnaphthalene
Concen: 7.110 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

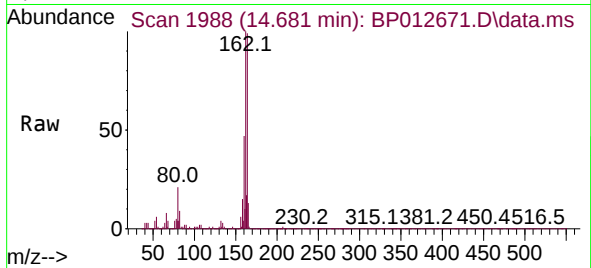
Tgt Ion:142 Resp: 278926
Ion Ratio Lower Upper
142 100
141 93.6 73.9 110.9
116 3.4 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

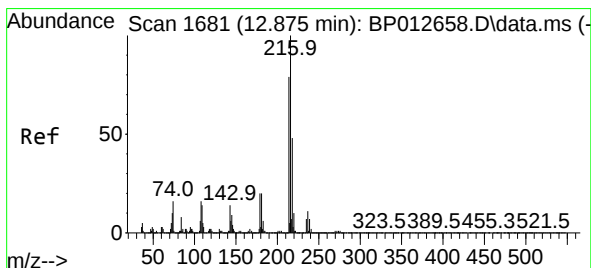
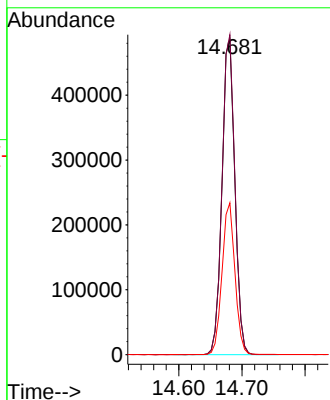
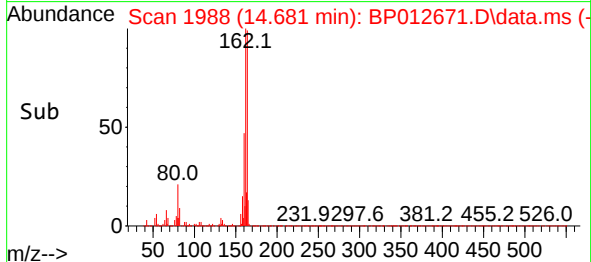
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:164 Resp: 686111
Ion Ratio Lower Upper
164 100
162 101.5 80.3 120.5
160 48.1 36.2 54.4

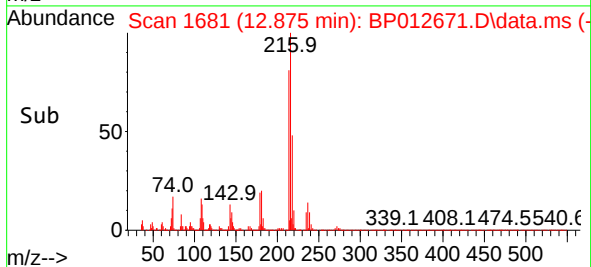
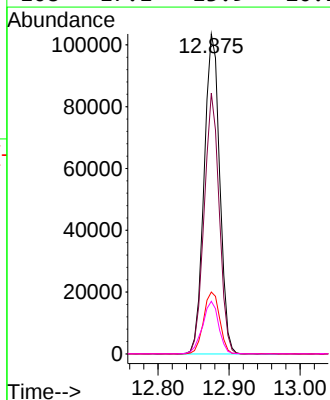
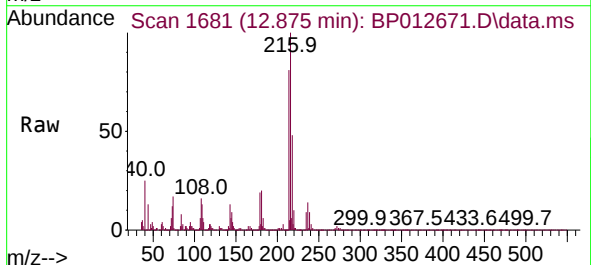
Manual Integrations
APPROVED

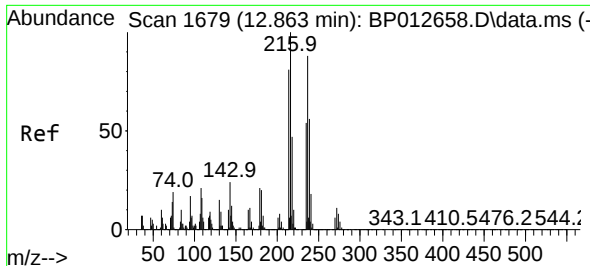
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.852 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:216 Resp: 157130
Ion Ratio Lower Upper
216 100
214 78.6 62.5 93.7
179 20.0 16.6 24.8
108 17.1 13.9 20.9





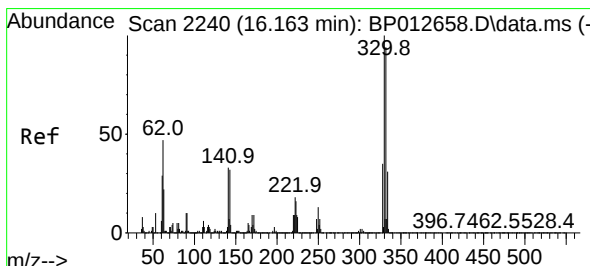
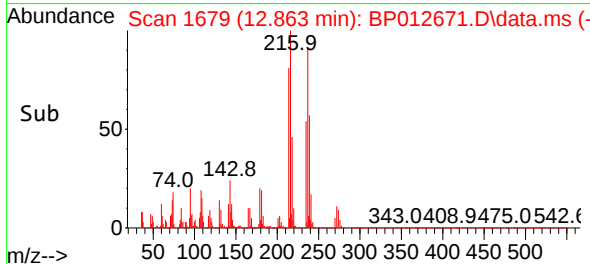
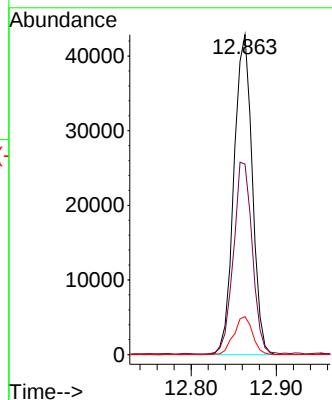
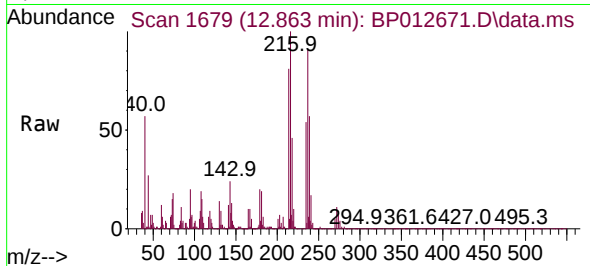
#41
Hexachlorocyclopentadiene
Concen: 8.372 ng
RT: 12.863 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion: 237 Resp: 6372
Ion Ratio Lower Upper
237 100
235 59.5 41.7 81.7
272 11.9 0.0 32.7

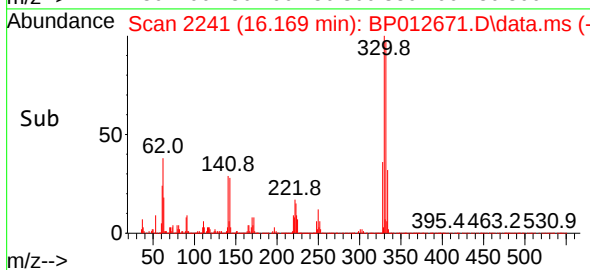
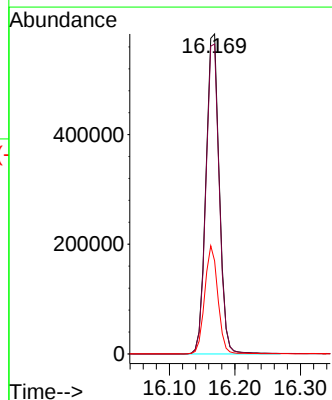
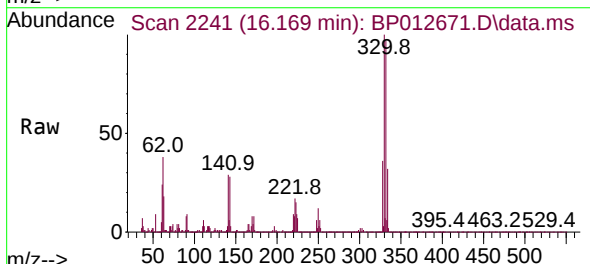
Manual Integrations
APPROVED

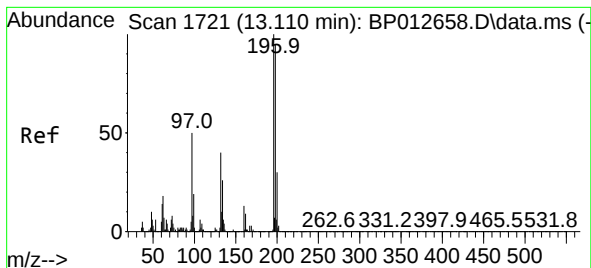
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#42
2,4,6-Tribromophenol
Concen: 104.826 ng
RT: 16.169 min Scan# 2241
Delta R.T. 0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion: 330 Resp: 823075
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 33.2 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 6.127 ng

RT: 13.110 min Scan# 1721

Delta R.T. 0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Instrument :

BNA_P

ClientSampleId :

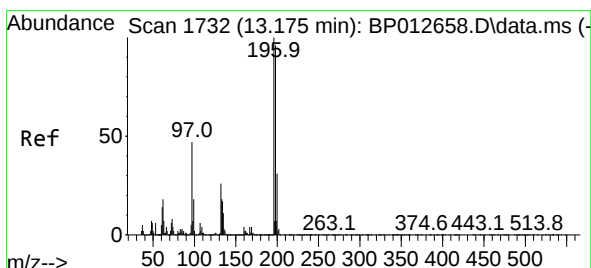
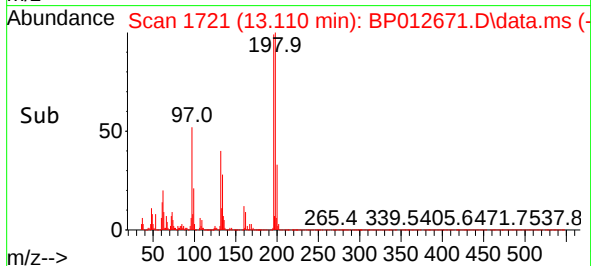
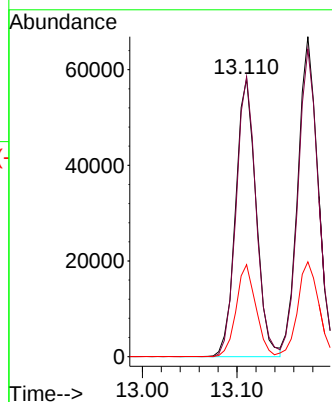
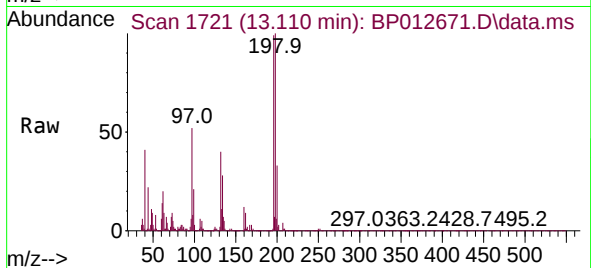
LOQ-SOIL-02-QT4-2022

Tgt Ion:196	Resp:	87285
Ion Ratio	Lower	Upper
196	100	
198	100.7	75.8 113.6
200	33.1	24.4 36.6

Manual Integrations

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



#44

2,4,5-Trichlorophenol

Concen: 6.366 ng

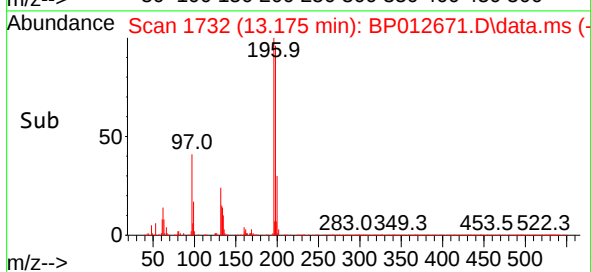
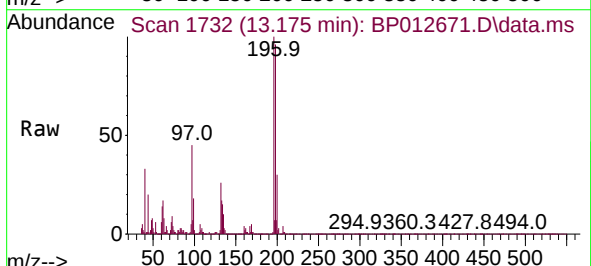
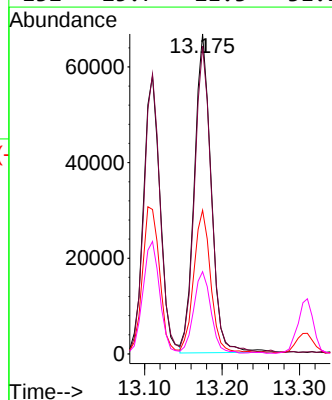
RT: 13.175 min Scan# 1732

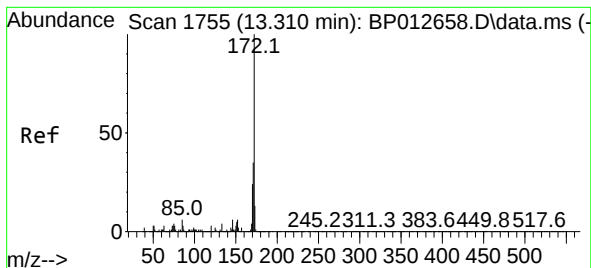
Delta R.T. 0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

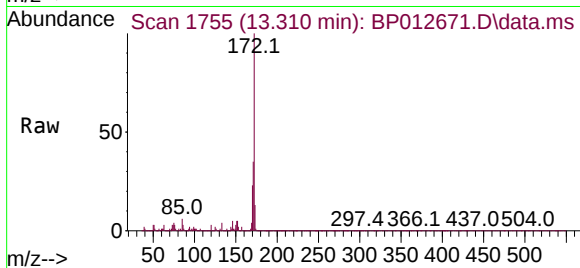
Tgt Ion:196	Resp:	100340
Ion Ratio	Lower	Upper
196	100	
198	96.1	76.4 114.6
97	44.9	37.5 56.3
132	25.7	21.3 31.9





#45
2-Fluorobiphenyl
Concen: 83.027 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

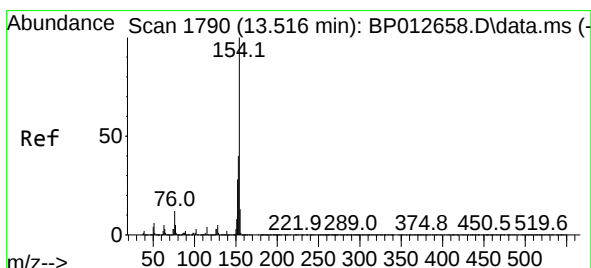
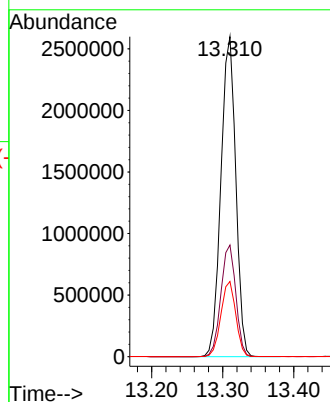
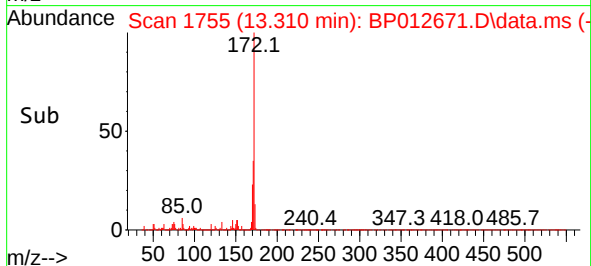
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



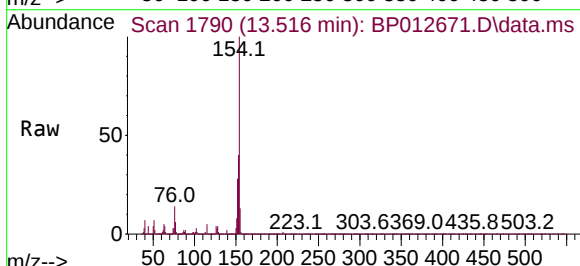
Tgt Ion:172 Resp: 378594
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.5 19.3 28.9

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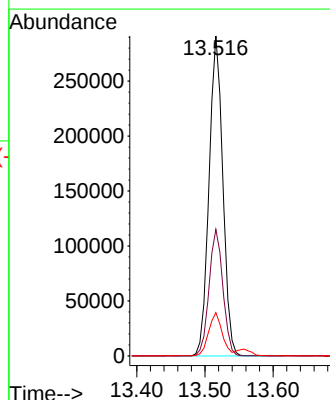
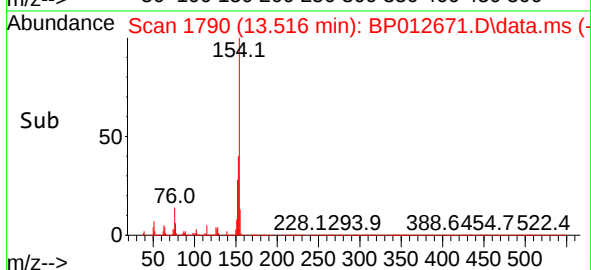
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

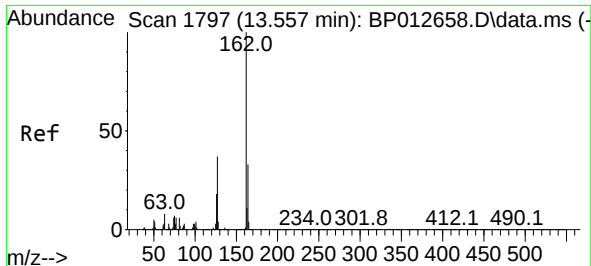


#46
1,1'-Biphenyl
Concen: 7.959 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



Tgt Ion:154 Resp: 408340
Ion Ratio Lower Upper
154 100
153 39.5 19.6 59.6
76 13.5 0.0 32.4





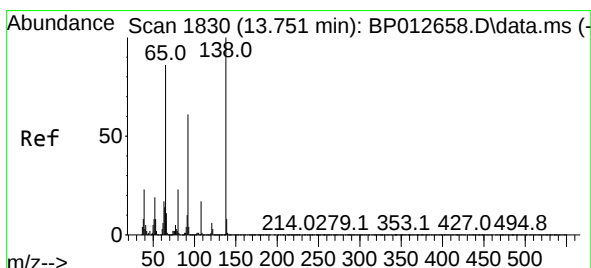
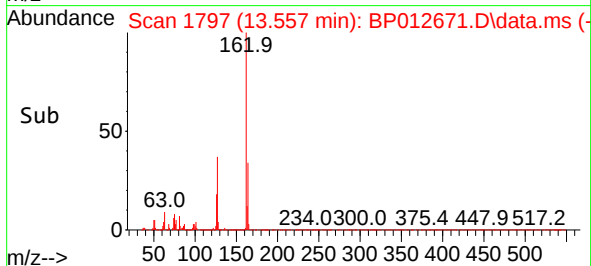
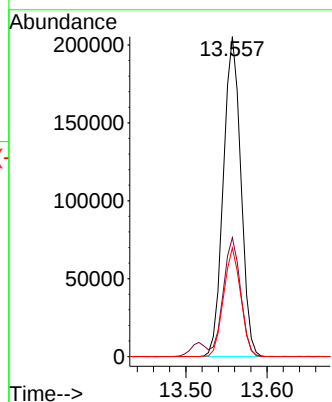
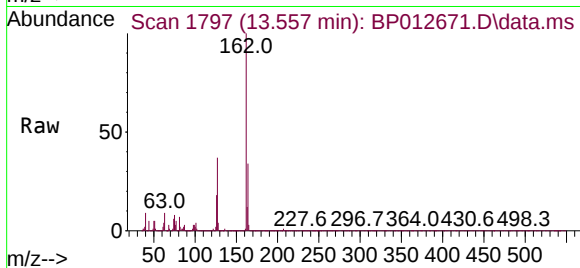
#47
2-Chloronaphthalene
Concen: 7.540 ng
RT: 13.557 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:162 Resp: 307192
Ion Ratio Lower Upper
162 100
127 37.2 29.4 44.2
164 34.0 26.4 39.6

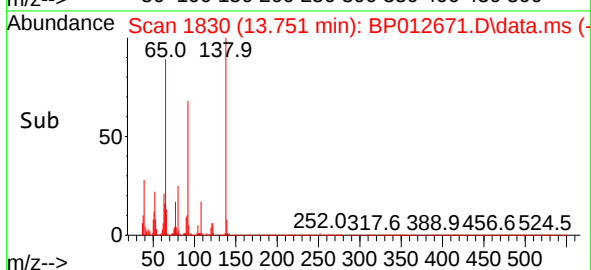
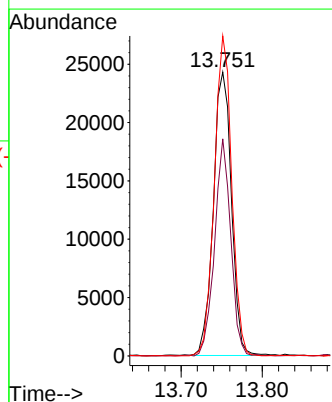
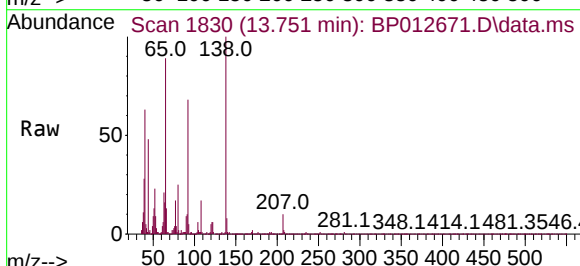
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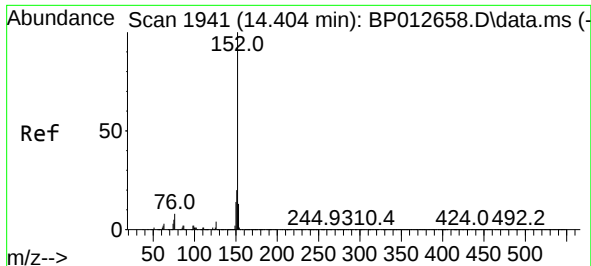
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 4.626 ng
RT: 13.751 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion: 65 Resp: 37718
Ion Ratio Lower Upper
65 100
92 76.5 56.7 85.1
138 112.8 92.7 139.1





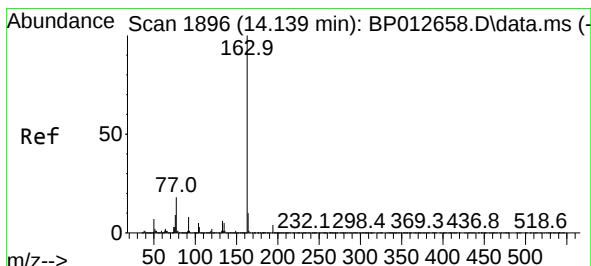
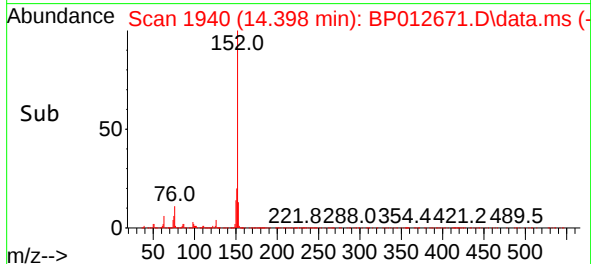
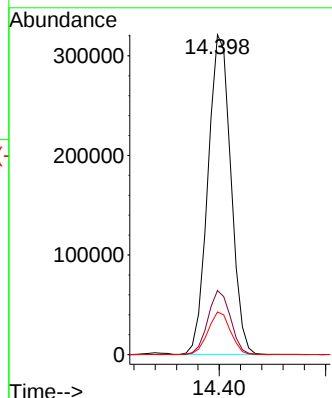
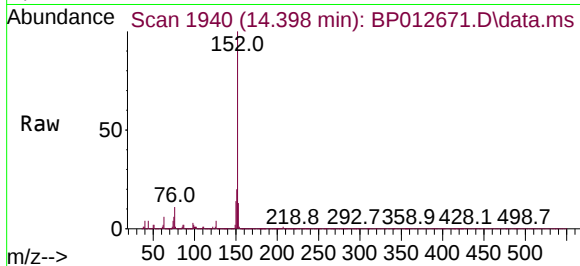
#49
Acenaphthylene
Concen: 7.213 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:152 Resp: 479594
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.3 10.6 15.8

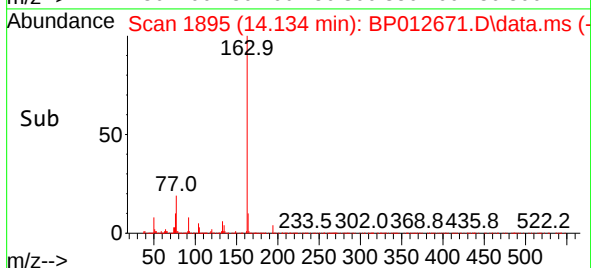
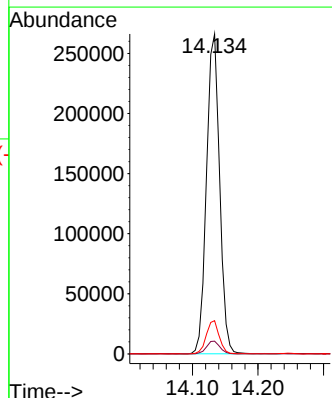
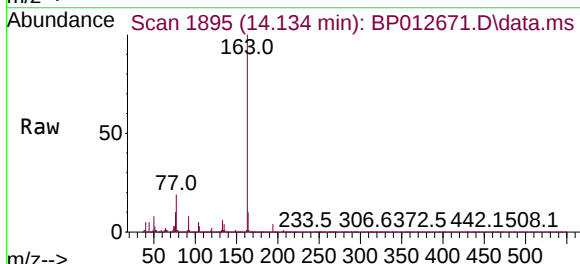
Manual Integrations
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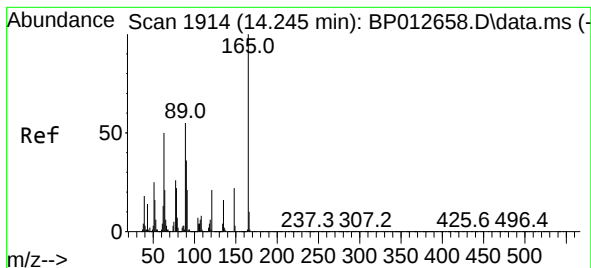
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#50
Dimethylphthalate
Concen: 6.808 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.005 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:163 Resp: 367947
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.4 8.2 12.4





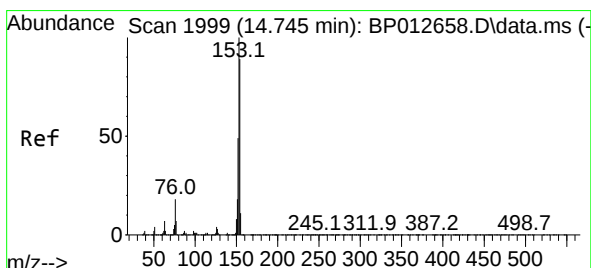
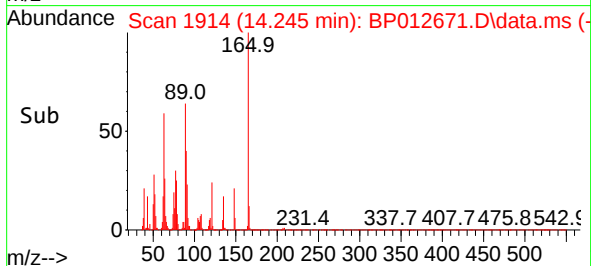
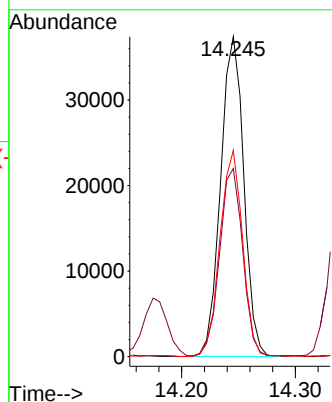
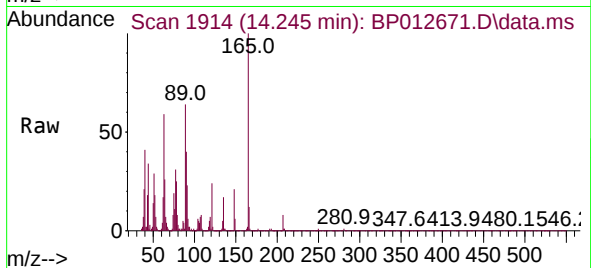
#51
2,6-Dinitrotoluene
Concen: 5.586 ng
RT: 14.245 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:165 Resp: 52938
Ion Ratio Lower Upper
165 100
63 58.8 42.6 63.8
89 64.5 44.0 66.0

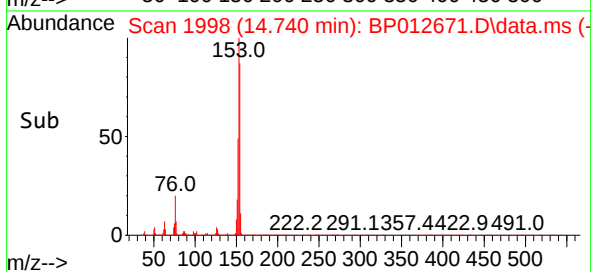
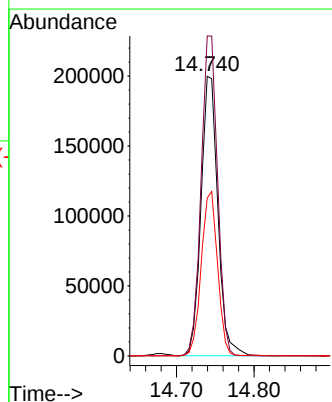
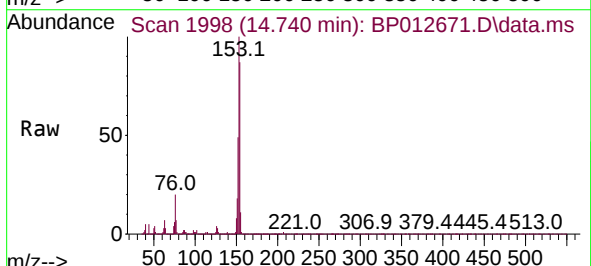
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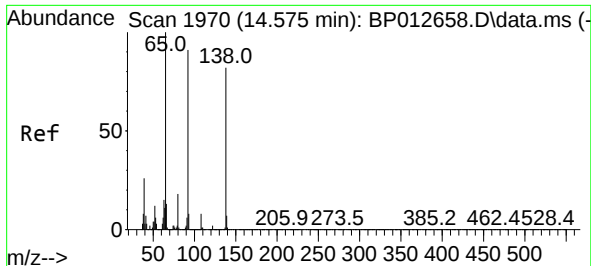
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#52
Acenaphthene
Concen: 7.096 ng
RT: 14.740 min Scan# 1998
Delta R.T. -0.005 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:154 Resp: 301130
Ion Ratio Lower Upper
154 100
153 114.5 90.2 135.2
152 56.4 43.9 65.9





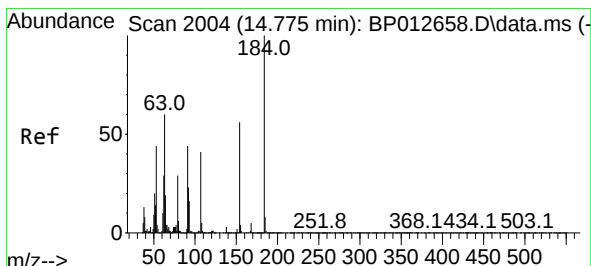
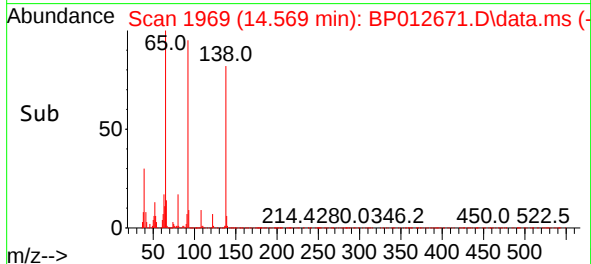
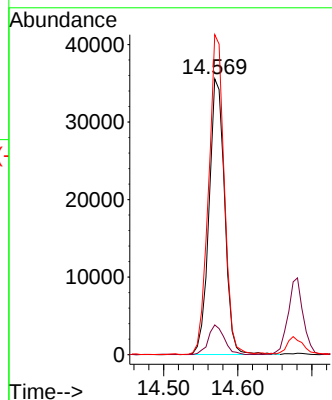
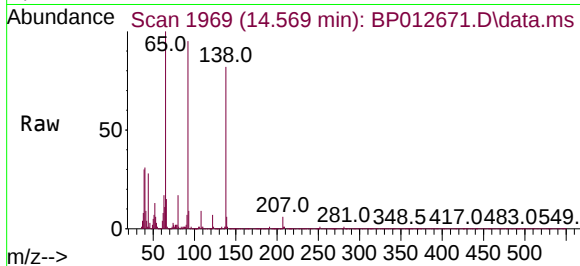
#53
3-Nitroaniline
Concen: 4.791 ng
RT: 14.569 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:138 Resp: 51993
Ion Ratio Lower Upper
138 100
108 10.8 8.2 12.2
92 116.0 89.1 133.7

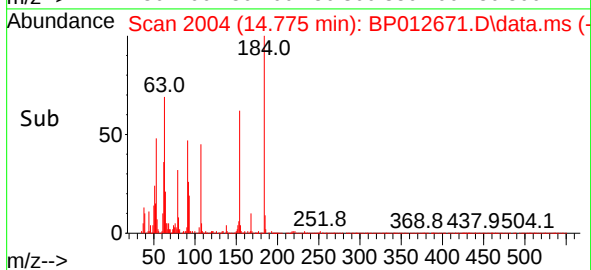
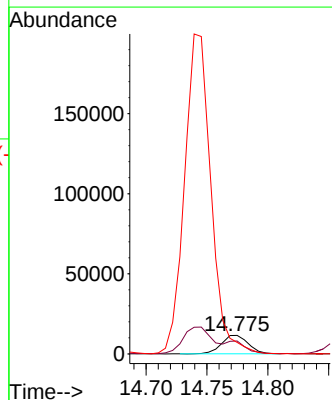
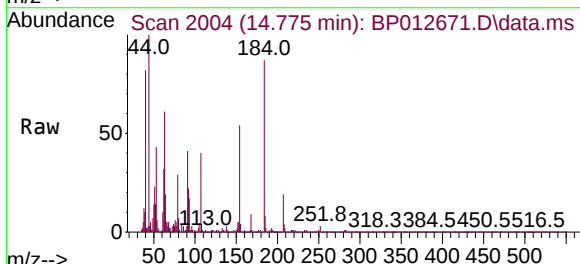
Manual Integrations
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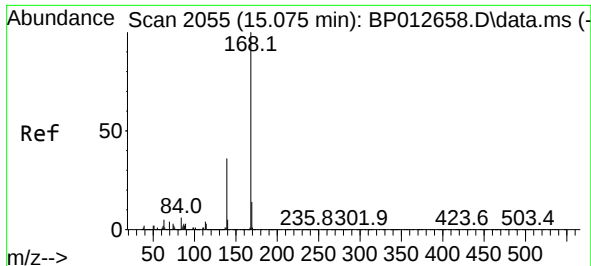
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 3.364 ng
RT: 14.775 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

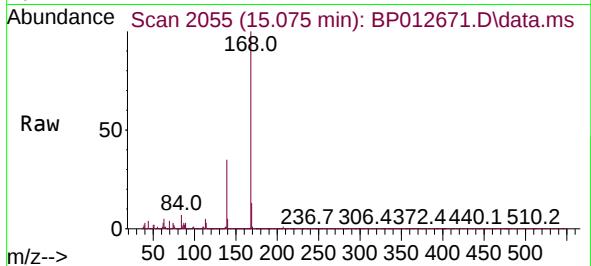
Tgt Ion:184 Resp: 17704
Ion Ratio Lower Upper
184 100
63 69.9 48.0 72.0
154 61.9 47.1 70.7





#55
Dibenzenofuran
Concen: 7.595 ng
RT: 15.075 min Scan# 2055
Delta R.T. -0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

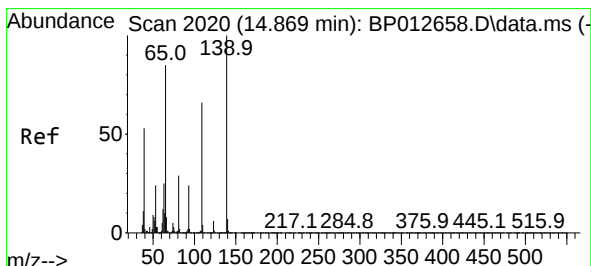
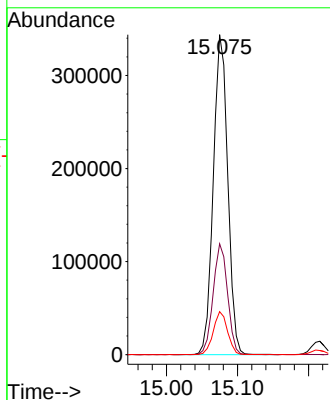
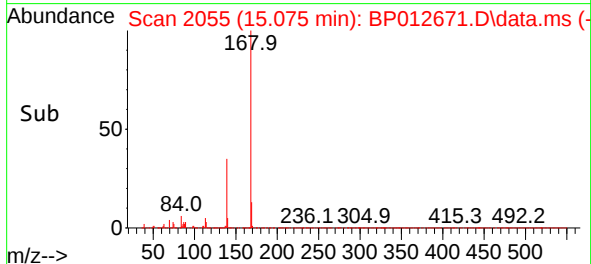
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



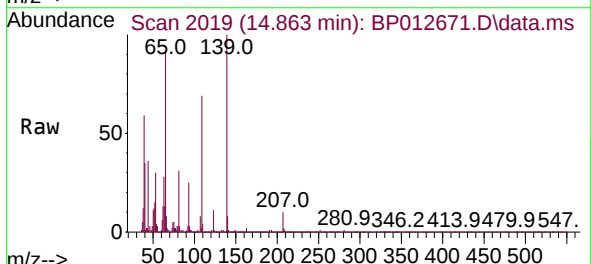
Tgt Ion:168 Resp: 48654
Ion Ratio Lower Upper
168 100
139 34.6 29.0 43.6
169 13.4 11.0 16.4

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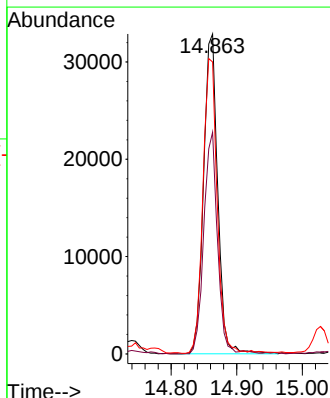
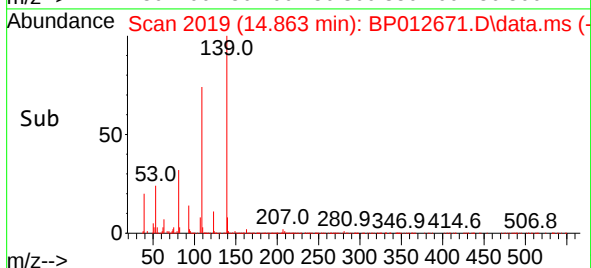
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

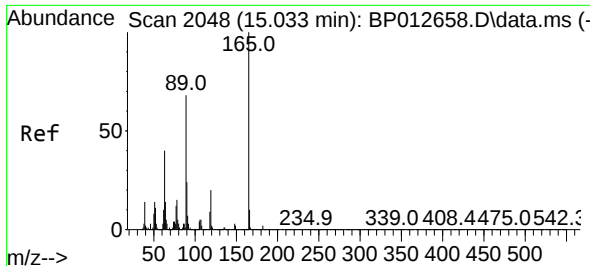


#56
4-Nitrophenol
Concen: 4.811 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



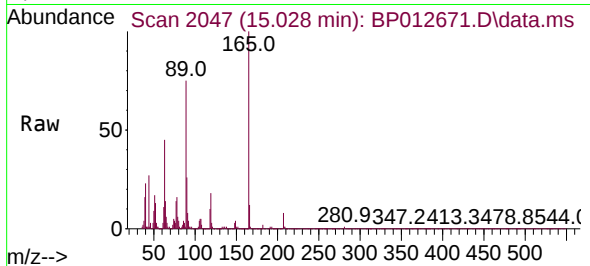
Tgt Ion:139 Resp: 48870
Ion Ratio Lower Upper
139 100
109 69.3 45.7 85.7
65 91.2 65.4 105.4





#57
2,4-Dinitrotoluene
Concen: 4.917 ng
RT: 15.028 min Scan# 2047
Delta R.T. -0.005 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

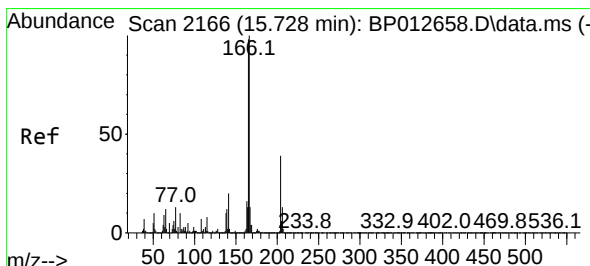
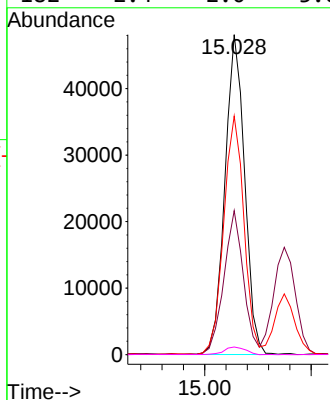
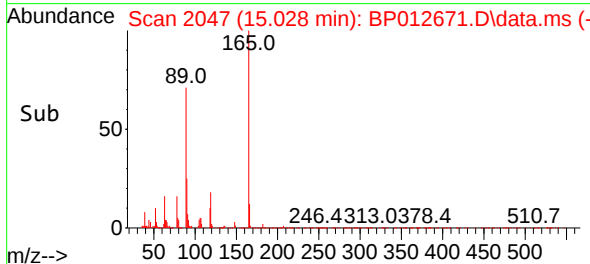
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



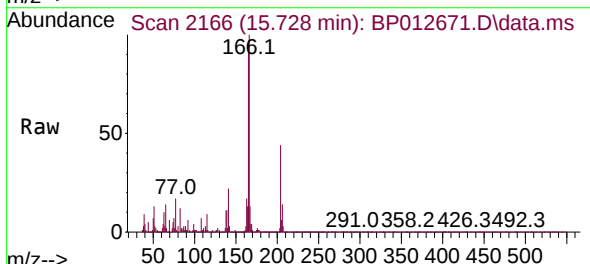
Tgt Ion:165 Resp: 61987
Ion Ratio Lower Upper
165 100
63 45.0 32.0 48.0
89 74.6 54.1 81.1
182 2.4 2.0 3.0

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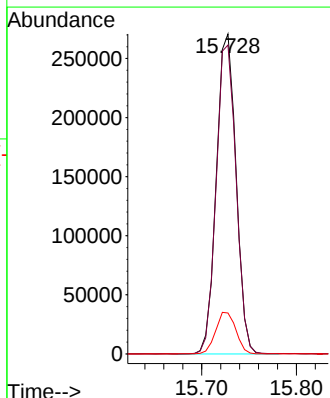
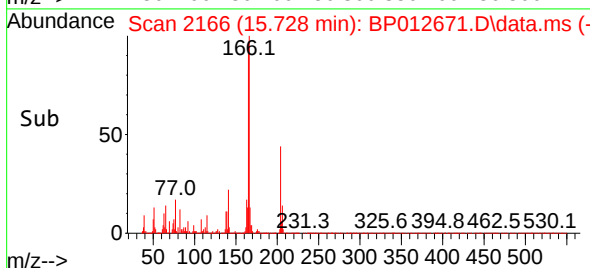
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

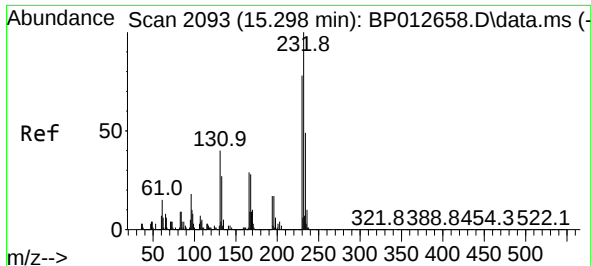


#58
Fluorene
Concen: 7.731 ng
RT: 15.728 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



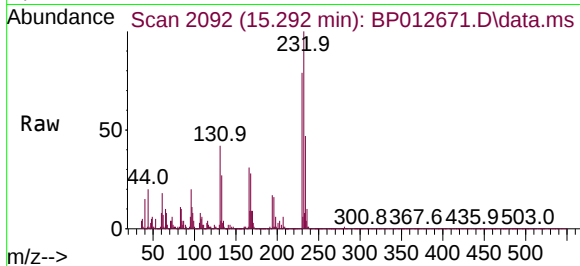
Tgt Ion:166 Resp: 389800
Ion Ratio Lower Upper
166 100
165 96.5 78.8 118.2
167 12.8 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.231 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

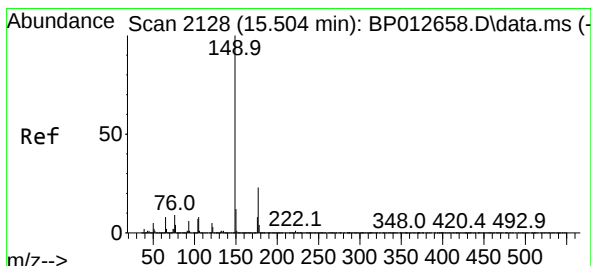
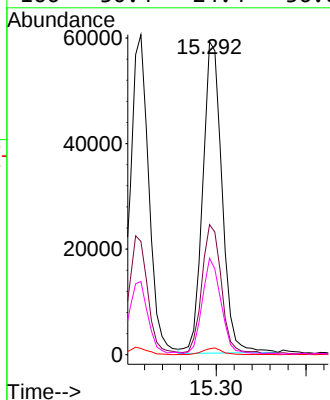
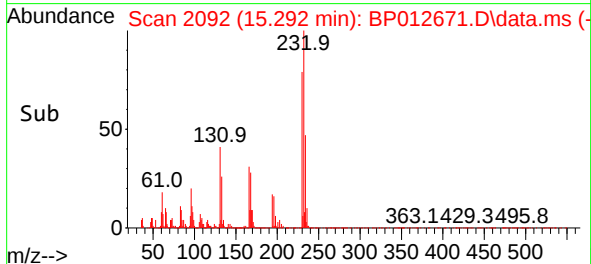
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 8842
Ion Ratio Lower Upper
232 100
131 41.6 34.3 51.5
130 2.0 1.8 2.6
166 30.4 24.4 36.6

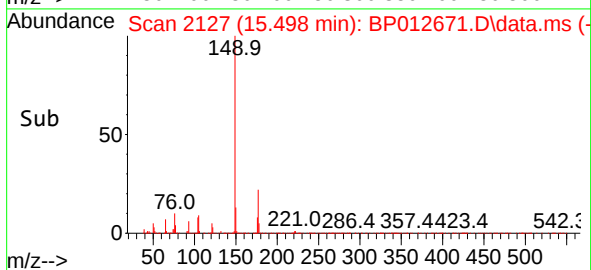
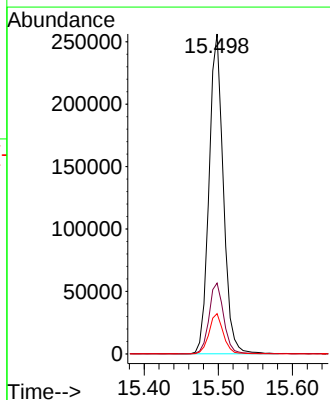
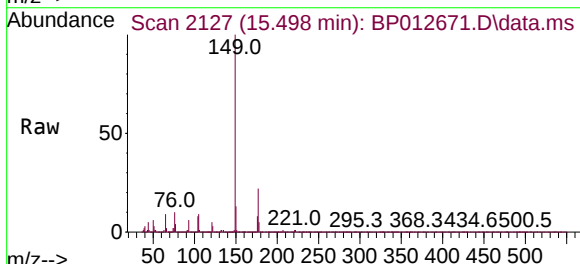
Manual Integrations
APPROVED

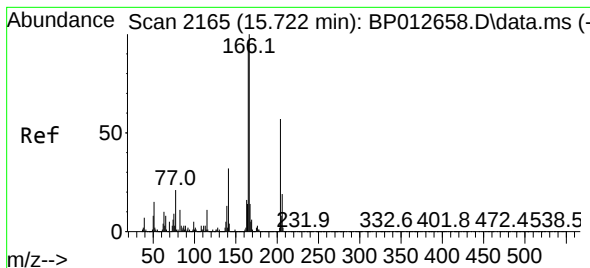
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 6.448 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

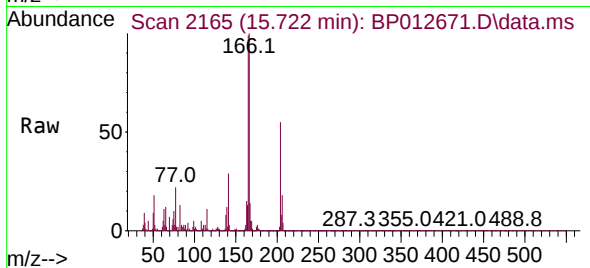
Tgt Ion:149 Resp: 342784
Ion Ratio Lower Upper
149 100
177 22.1 18.2 27.4
150 12.6 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 7.906 ng
RT: 15.722 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

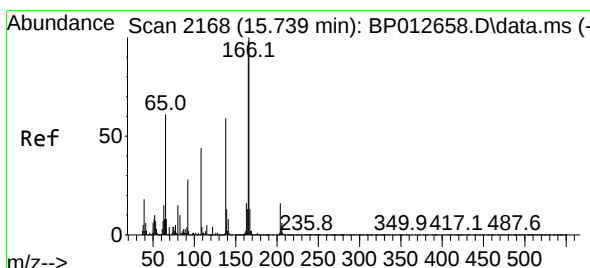
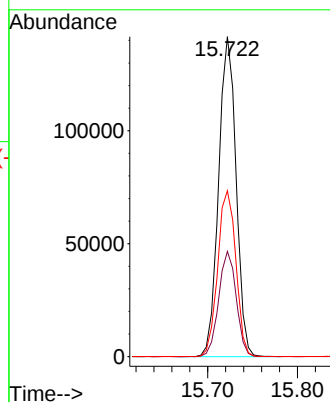
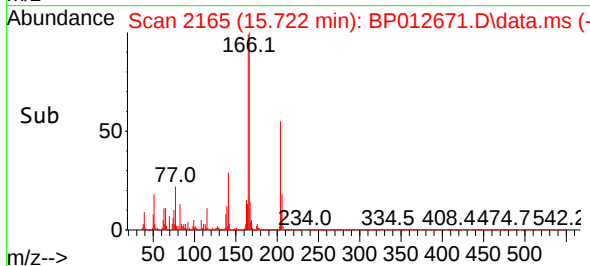
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



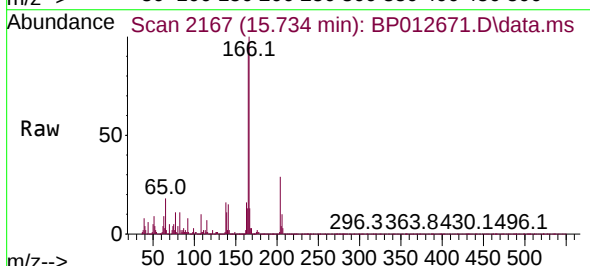
Tgt Ion:204 Resp: 191608
Ion Ratio Lower Upper
204 100
206 32.9 26.9 40.3
141 51.8 44.3 66.5

Manual Integrations
APPROVED

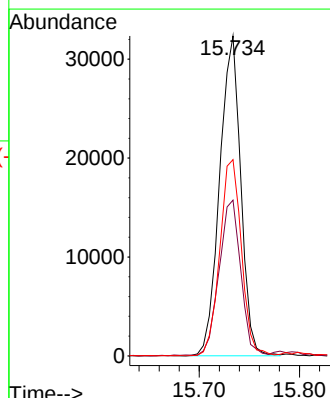
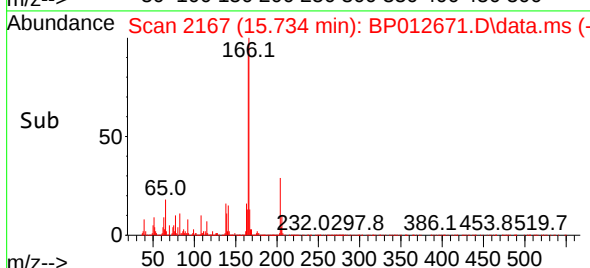
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

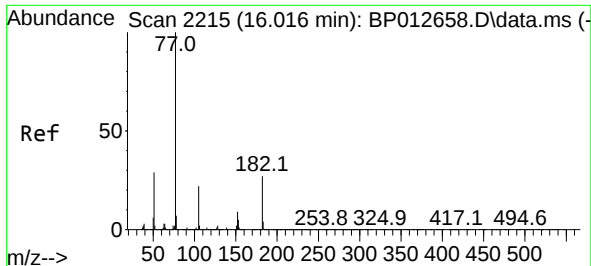


#62
4-Nitroaniline
Concen: 4.459 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.005 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



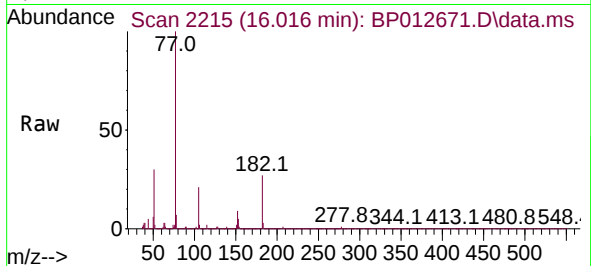
Tgt Ion:138 Resp: 47339
Ion Ratio Lower Upper
138 100
92 48.7 28.2 68.2
108 61.3 53.7 93.7





#63
Azobenzene
Concen: 7.335 ng
RT: 16.016 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

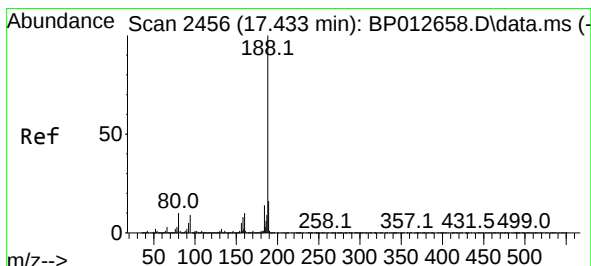
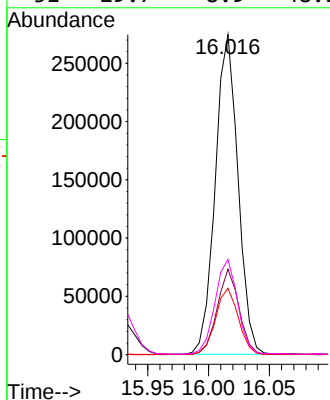
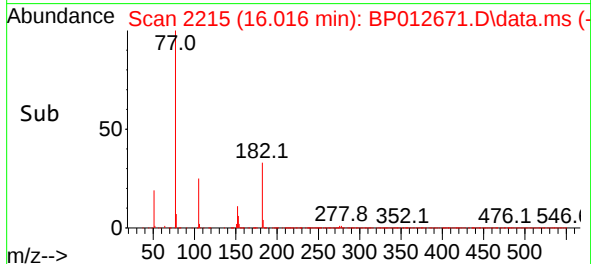
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 77 Resp: 356259
Ion Ratio Lower Upper
77 100
182 26.7 7.1 47.1
105 20.7 1.9 41.9
51 29.7 8.9 48.9

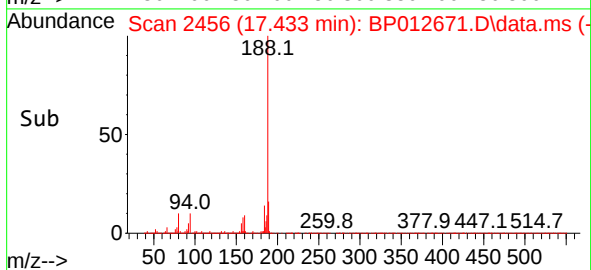
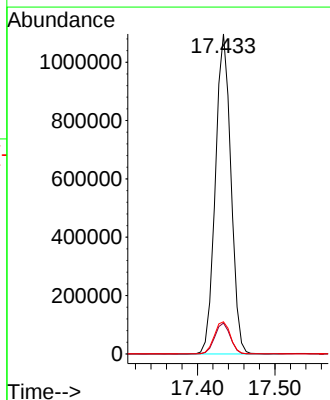
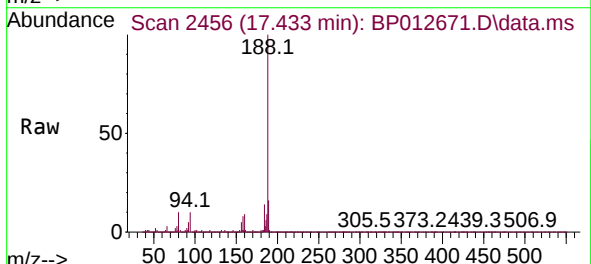
Manual Integrations
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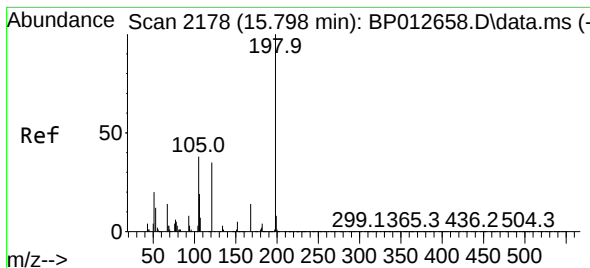
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.433 min Scan# 2456
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:188 Resp: 1523787
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.0 8.2 12.2





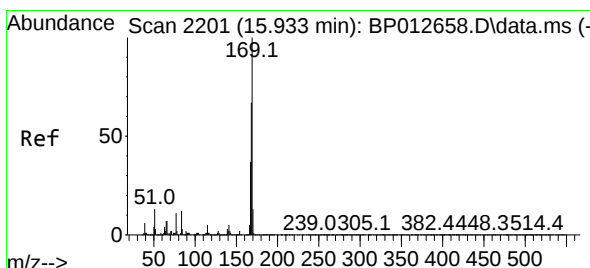
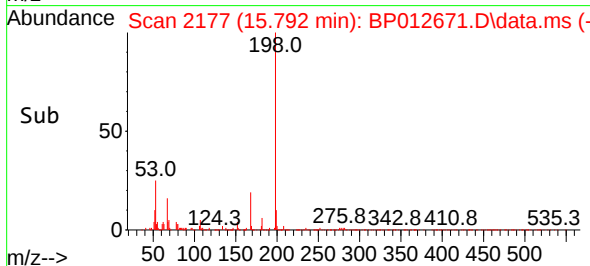
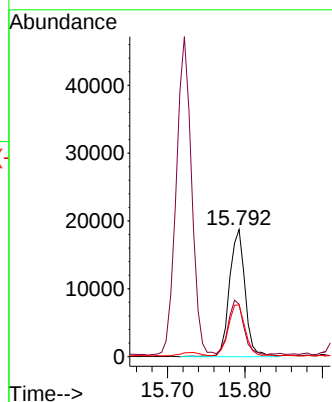
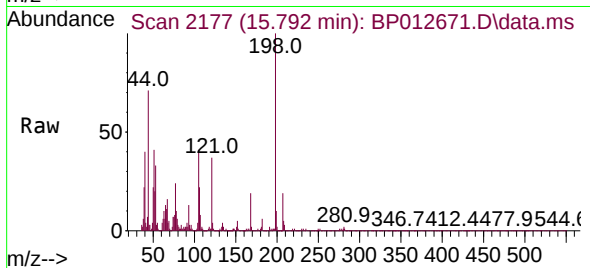
#65
4,6-Dinitro-2-methylphenol
Concen: 3.512 ng
RT: 15.792 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:198 Resp: 26280
Ion Ratio Lower Upper
198 100
51 41.2 18.2 58.2
105 40.6 19.6 59.6

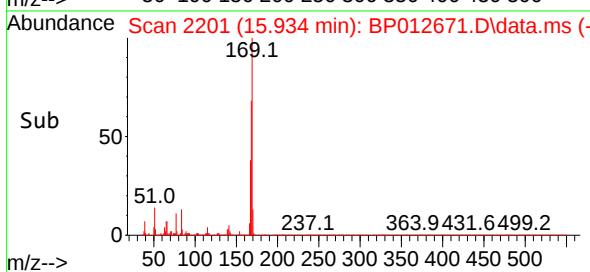
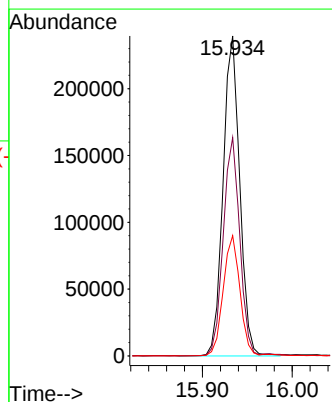
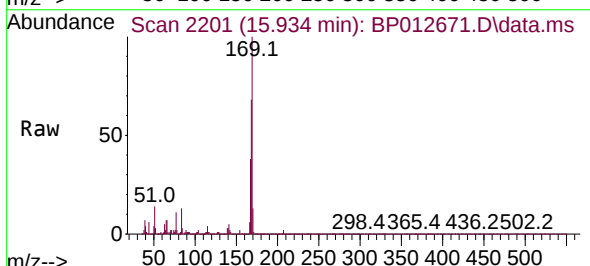
Manual Integrations
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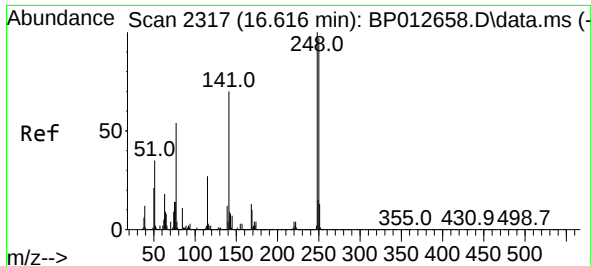
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 6.794 ng
RT: 15.934 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:169 Resp: 308535
Ion Ratio Lower Upper
169 100
168 68.2 53.5 80.3
167 37.6 29.3 43.9





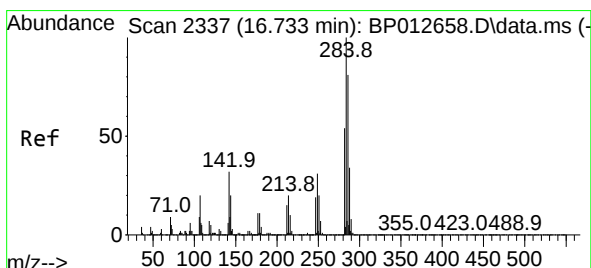
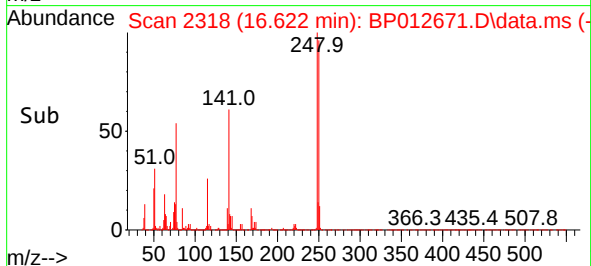
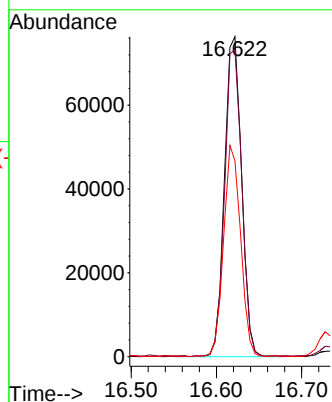
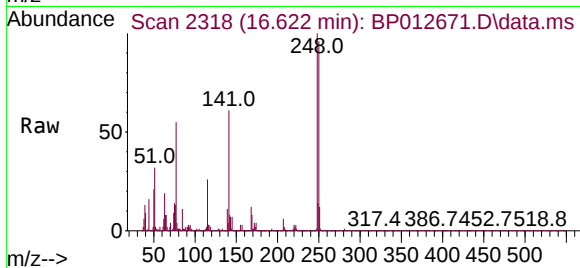
#67
4-Bromophenyl-phenylether
Concen: 6.680 ng
RT: 16.622 min Scan# 2317
Delta R.T. 0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:248 Resp: 106437
Ion Ratio Lower Upper
248 100
250 96.0 77.4 116.2
141 61.2 55.6 83.4

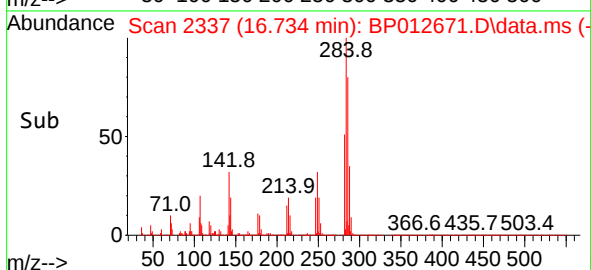
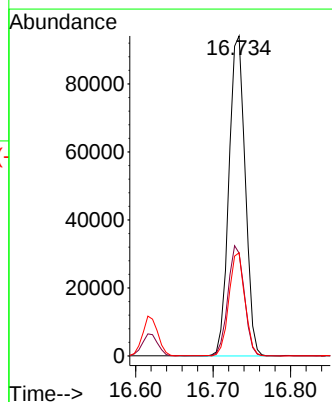
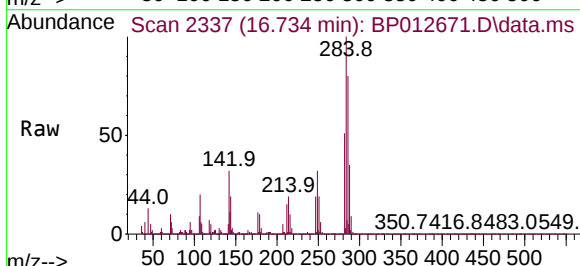
Manual Integrations
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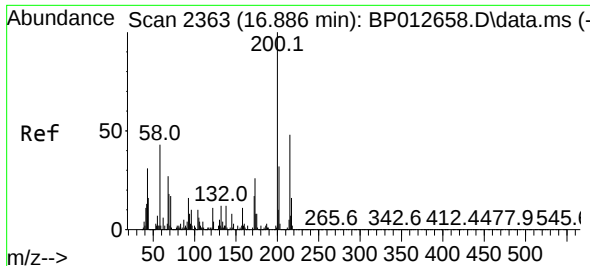
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 7.443 ng
RT: 16.734 min Scan# 2337
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:284 Resp: 137528
Ion Ratio Lower Upper
284 100
142 32.1 25.8 38.6
249 32.2 25.0 37.4





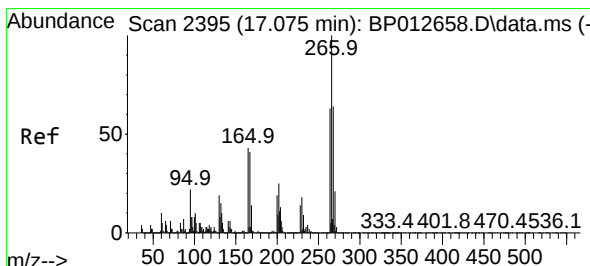
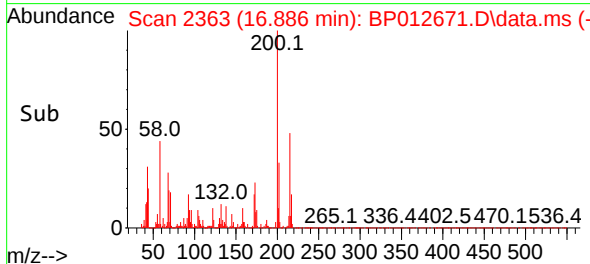
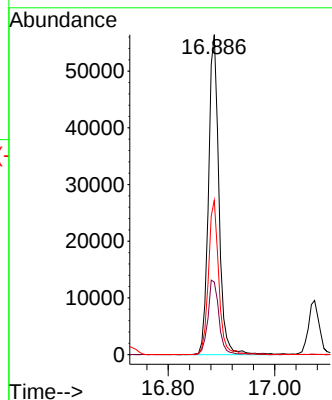
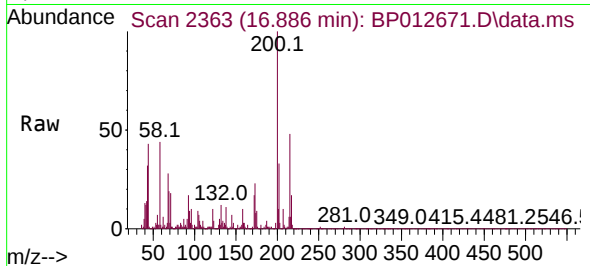
#69
Atrazine
Concen: 6.395 ng
RT: 16.886 min Scan# 2363
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:200 Resp: 76515
Ion Ratio Lower Upper
200 100
173 22.7 6.2 46.2
215 48.2 28.4 68.4

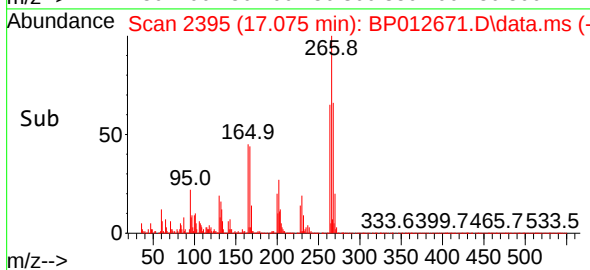
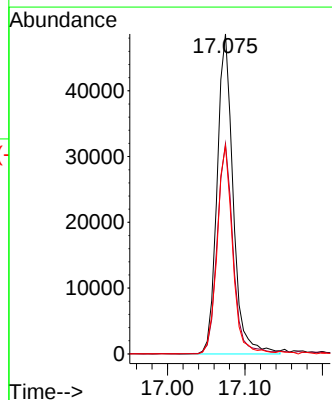
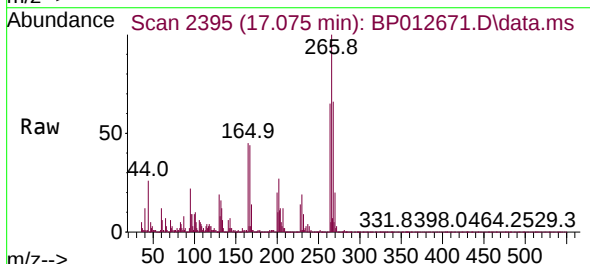
Manual Integrations
APPROVED

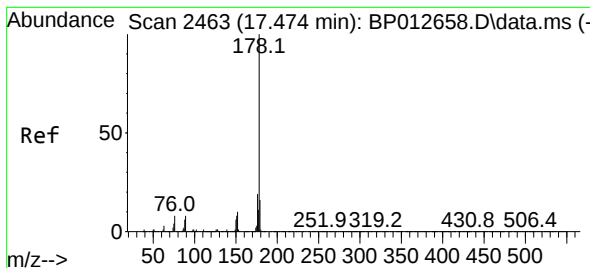
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#70
Pentachlorophenol
Concen: 5.821 ng
RT: 17.075 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:266 Resp: 69811
Ion Ratio Lower Upper
266 100
268 65.7 51.4 77.0
264 65.1 50.6 75.8





#71

Phenanthrene

Concen: 7.367 ng

RT: 17.475 min Scan# 2463

Delta R.T. 0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Instrument :

BNA_P

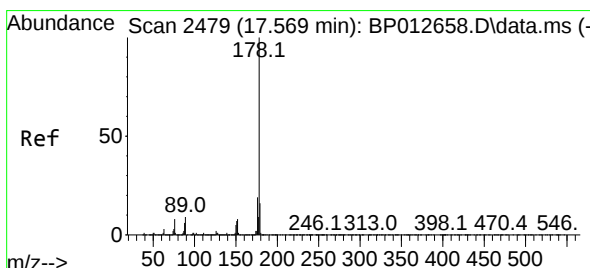
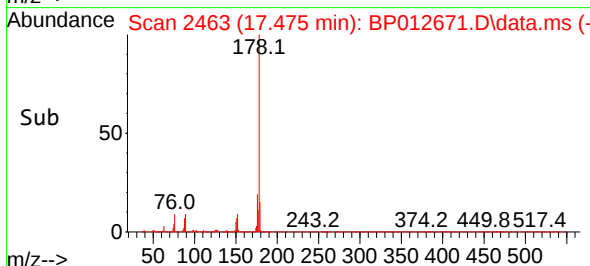
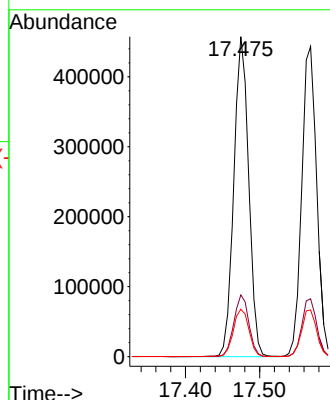
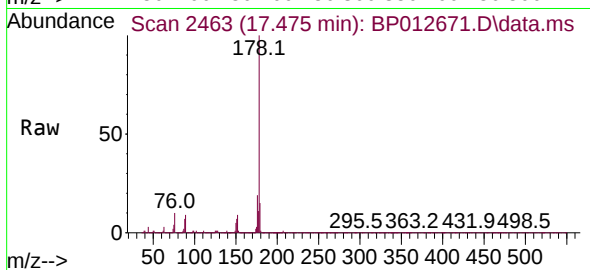
ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:178	Resp: 636762
Ion Ratio	Lower Upper
178 100	
176 19.3	15.5 23.3
179 14.8	12.5 18.7

Manual Integrations
APPROVED

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



#72

Anthracene

Concen: 7.450 ng

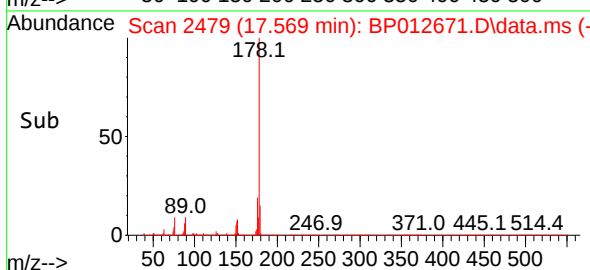
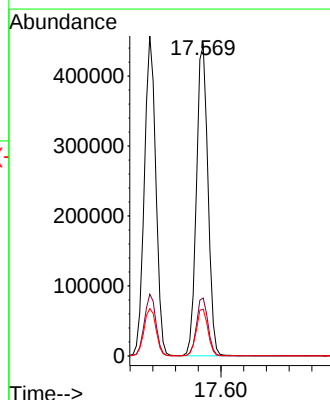
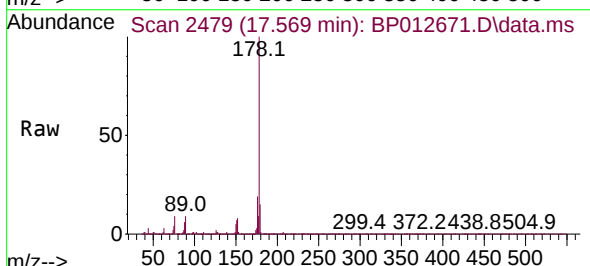
RT: 17.569 min Scan# 2479

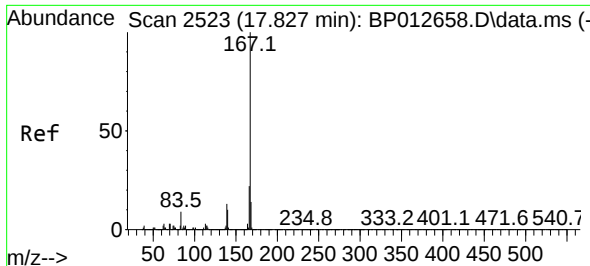
Delta R.T. -0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

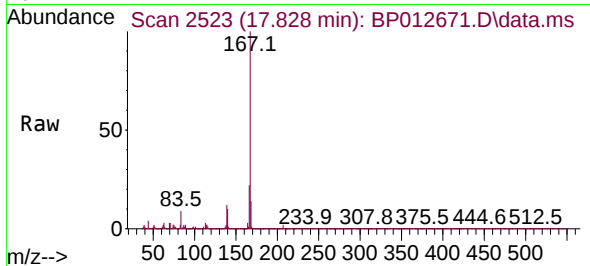
Tgt Ion:178	Resp: 621250
Ion Ratio	Lower Upper
178 100	
176 18.7	15.3 22.9
179 15.0	12.8 19.2





#73
 Carbazole
 Concen: 7.181 ng
 RT: 17.828 min Scan# 2523
 Delta R.T. 0.000 min
 Lab File: BP012671.D
 Acq: 18 Nov 2022 13:33

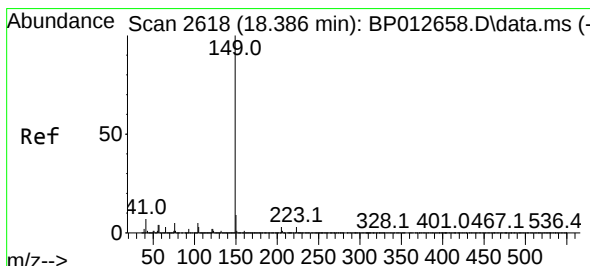
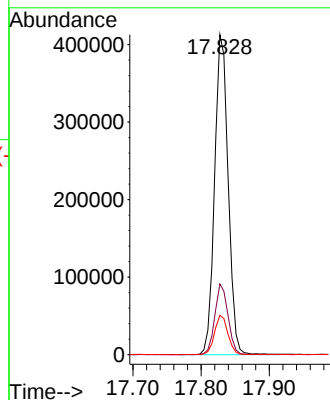
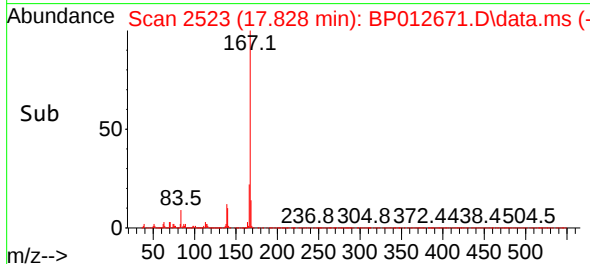
Instrument : BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



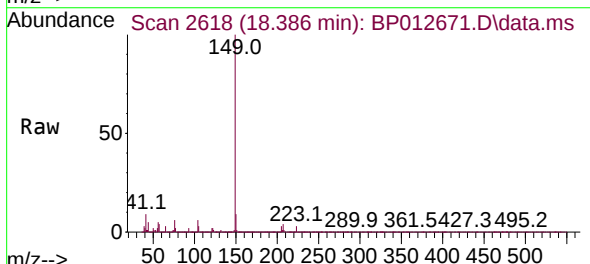
Tgt Ion:167 Resp: 56874
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 12.3 10.2 15.2

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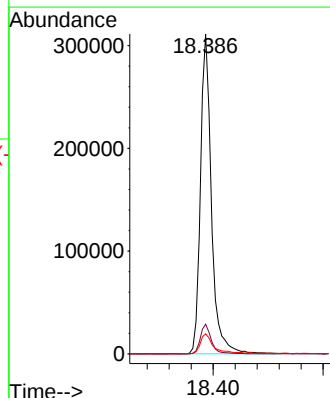
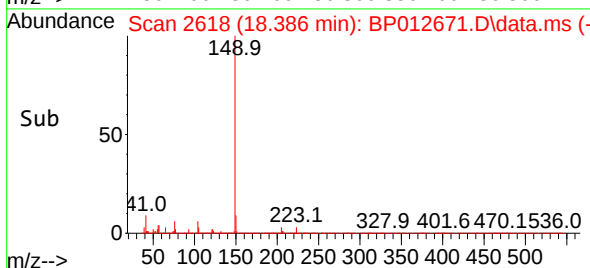
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

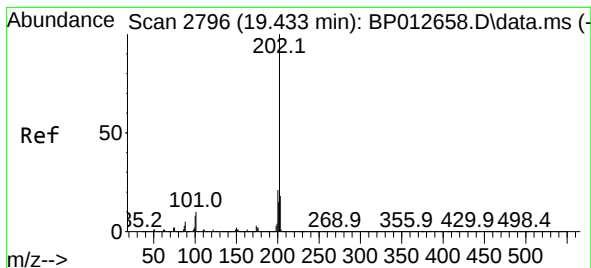


#74
 Di-n-butylphthalate
 Concen: 5.212 ng
 RT: 18.386 min Scan# 2618
 Delta R.T. 0.000 min
 Lab File: BP012671.D
 Acq: 18 Nov 2022 13:33



Tgt Ion:149 Resp: 430377
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 6.3 4.0 6.0#





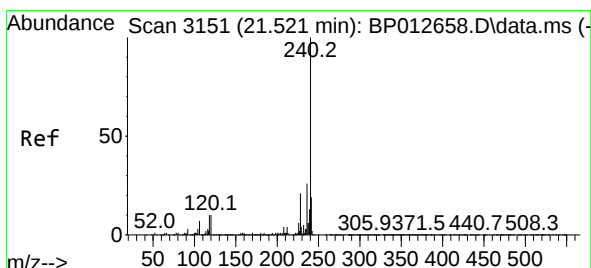
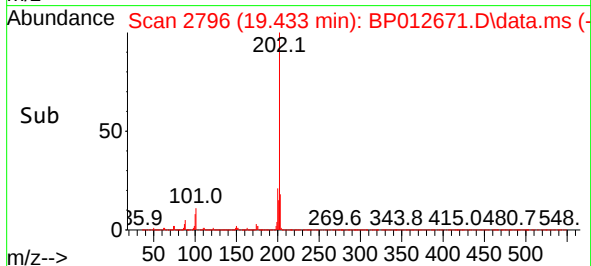
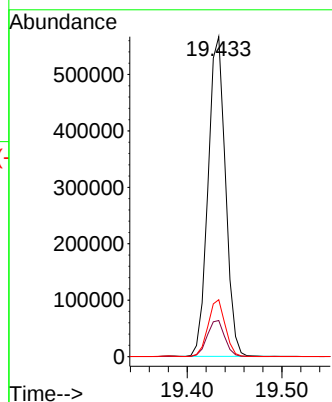
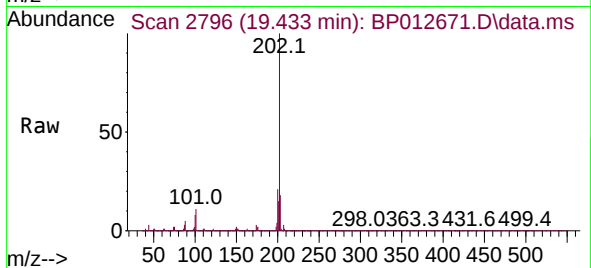
#75
Fluoranthene
Concen: 7.067 ng
RT: 19.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:202 Resp: 72360
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.4
203 17.8 0.0 37.9

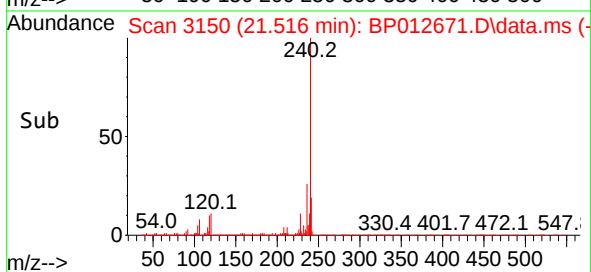
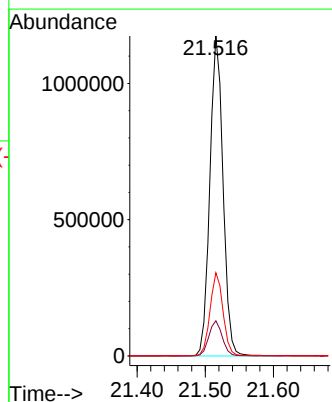
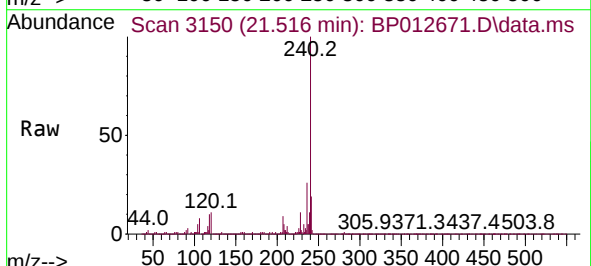
Manual Integrations
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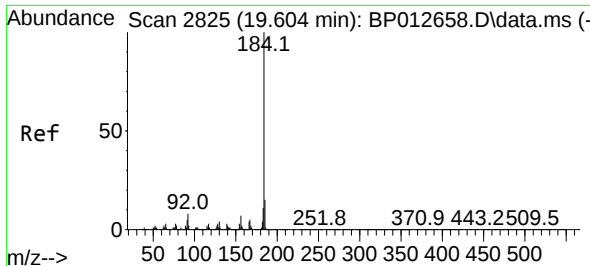
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

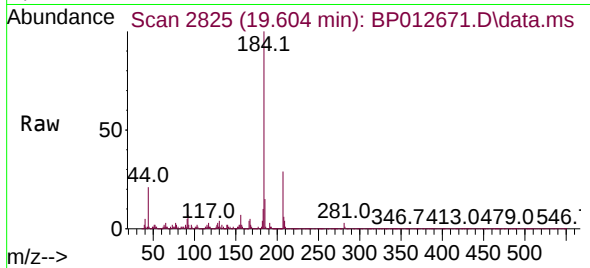
Tgt Ion:240 Resp: 1574760
Ion Ratio Lower Upper
240 100
120 11.0 8.2 12.2
236 26.0 20.4 30.6





#77
Benzidine
Concen: 4.916 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

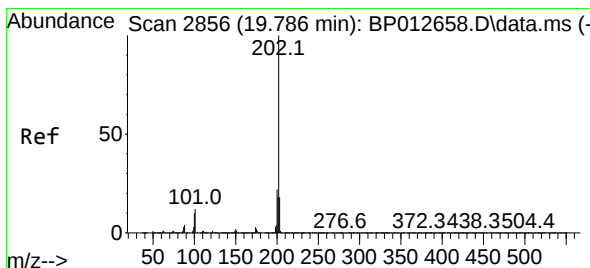
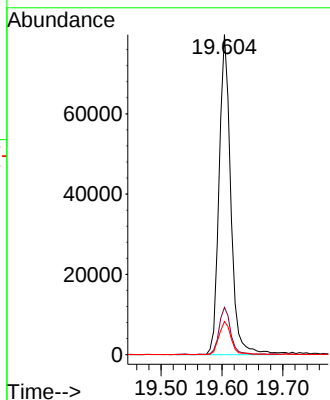
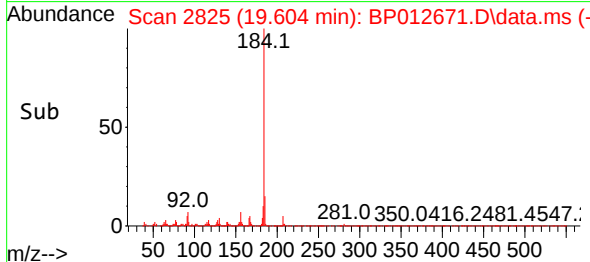
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2022



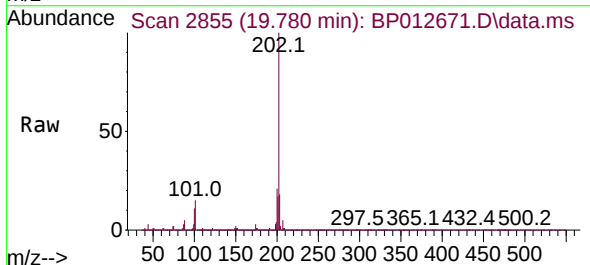
Tgt Ion:184 Resp: 106414
Ion Ratio Lower Upper
184 100
185 14.8 12.2 18.2
183 10.3 9.0 13.4

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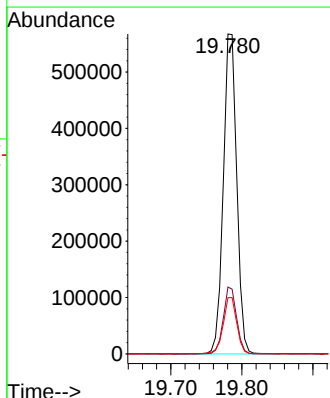
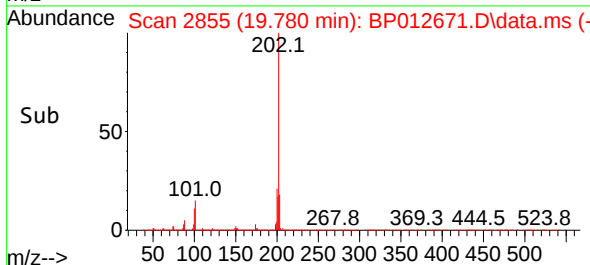
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

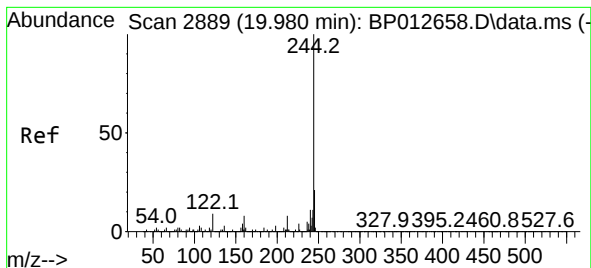


#78
Pyrene
Concen: 6.723 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33



Tgt Ion:202 Resp: 748170
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.0
203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 85.697 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:244 Resp: 6245988

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

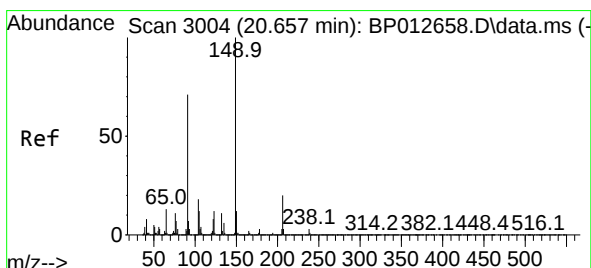
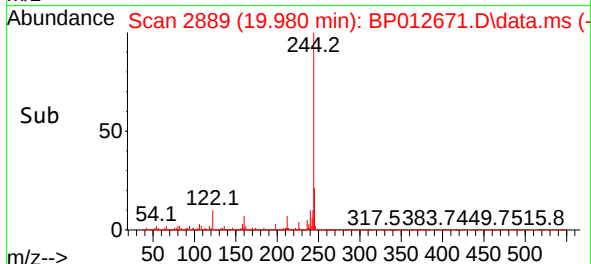
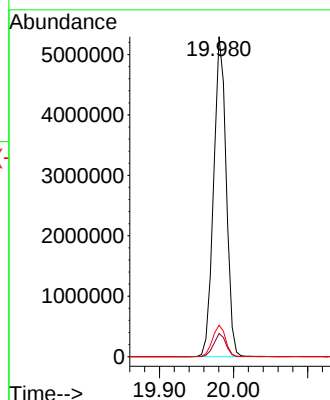
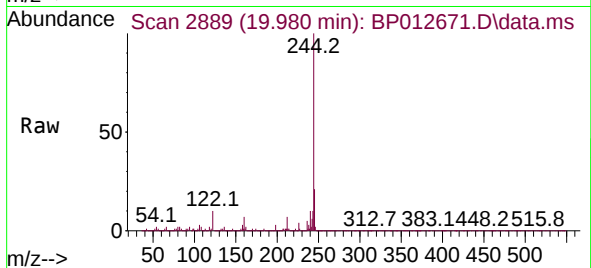
122 9.8 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#80

Butylbenzylphthalate

Concen: 3.702 ng

RT: 20.657 min Scan# 3004

Delta R.T. -0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

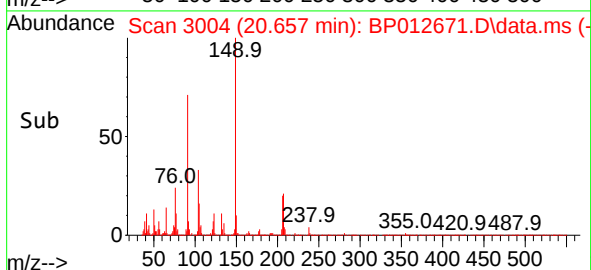
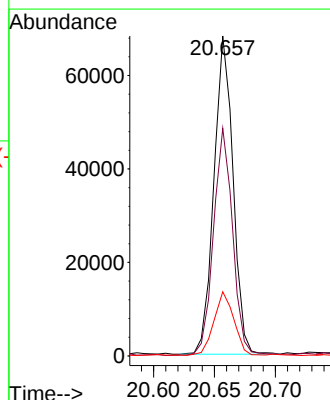
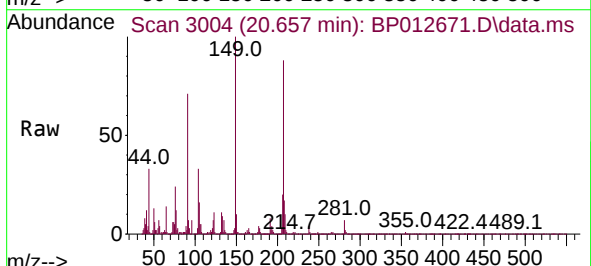
Tgt Ion:149 Resp: 74357

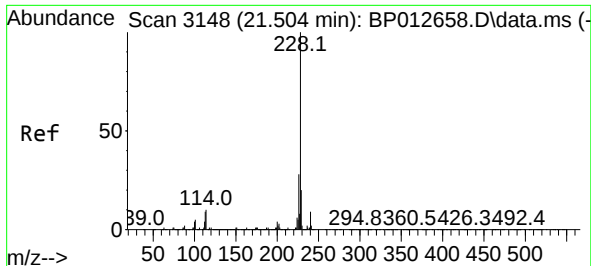
Ion Ratio Lower Upper

149 100

91 71.1 56.9 85.3

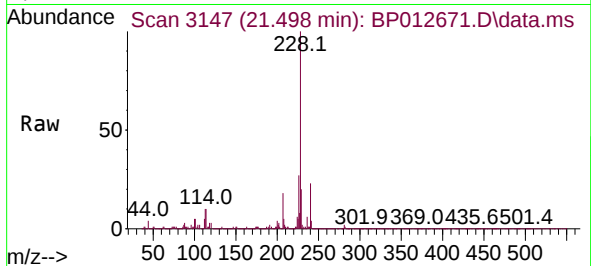
206 20.0 16.1 24.1





#81
Benzo(a)anthracene
Concen: 6.816 ng
RT: 21.498 min Scan# 3148
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

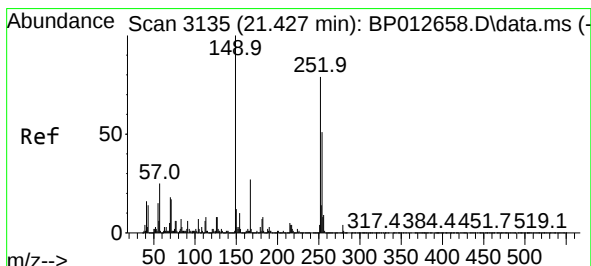
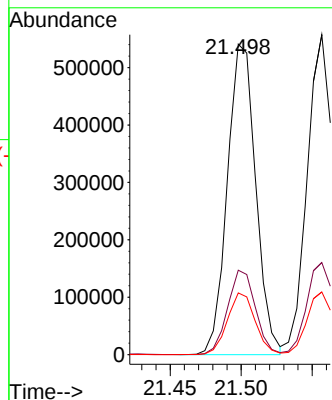
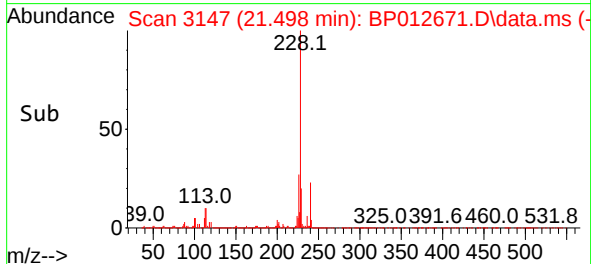
Instrument : BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 752462
Ion Ratio Lower Upper
228 100
226 27.2 22.2 33.2
229 19.9 16.2 24.2

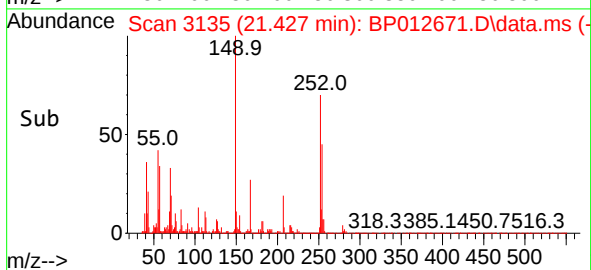
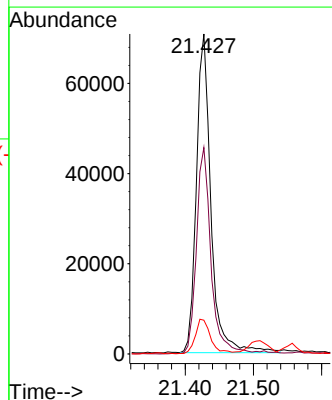
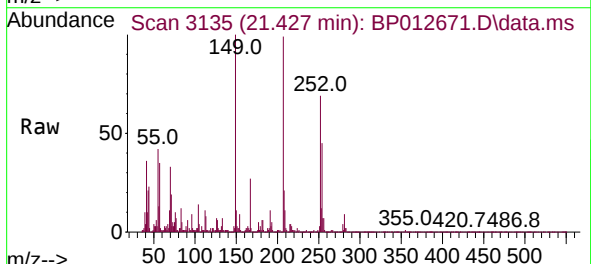
Manual Integrations
APPROVED

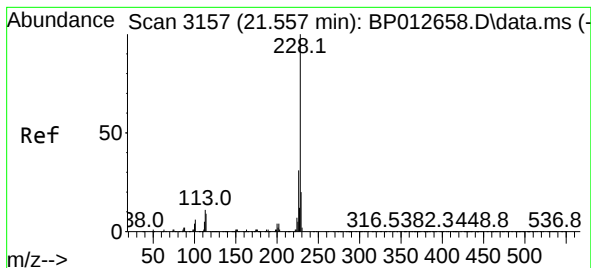
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.773 ng
RT: 21.427 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:252 Resp: 104841
Ion Ratio Lower Upper
252 100
254 64.5 51.9 77.9
126 10.6 8.2 12.4





#83

Chrysene

Concen: 7.015 ng

RT: 21.557 min Scan# 3157

Delta R.T. -0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Instrument :

BNA_P

ClientSampleId :

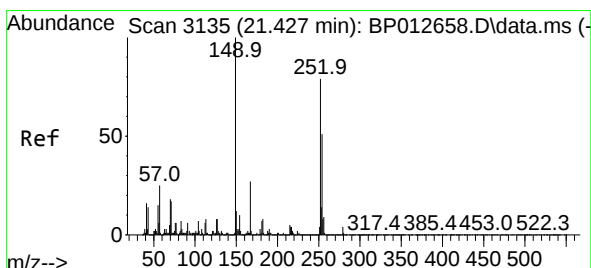
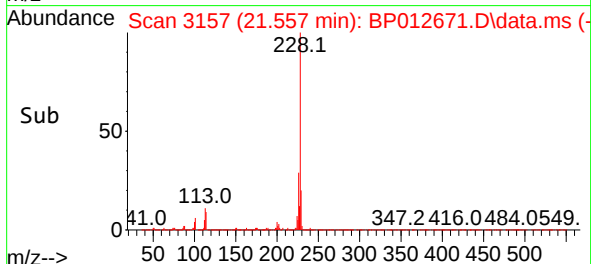
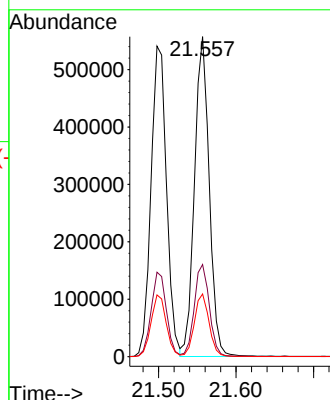
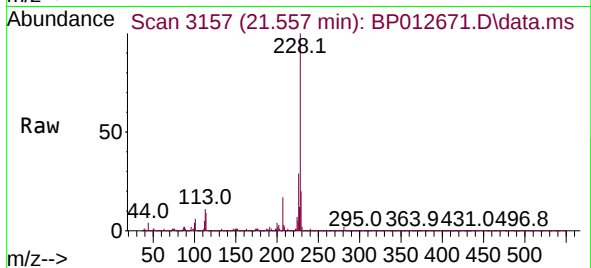
LOQ-SOIL-02-QT4-2022

Tgt Ion:	228	Resp:	73434
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.6	36.8
229	19.6	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: 3.627 ng m

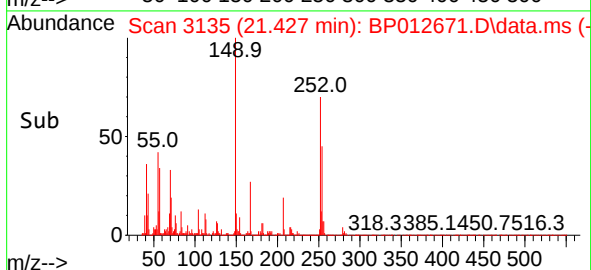
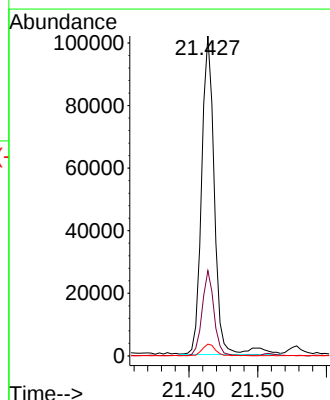
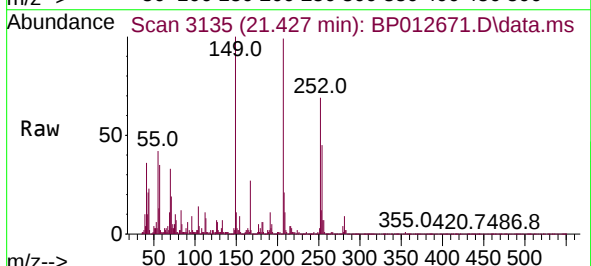
RT: 21.427 min Scan# 3135

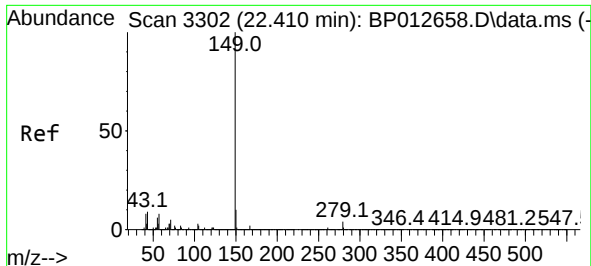
Delta R.T. 0.000 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Tgt Ion:	149	Resp:	132027
Ion Ratio	Lower	Upper	
149	100		
167	26.6	21.7	32.5
279	3.7	3.1	4.7





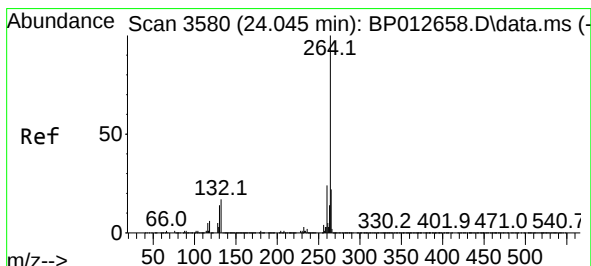
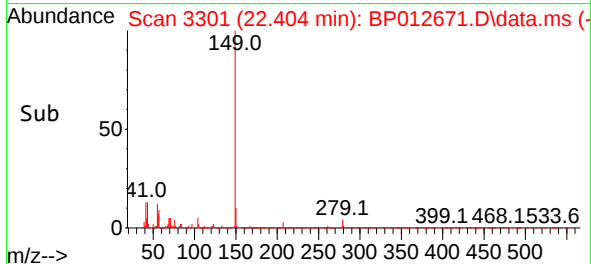
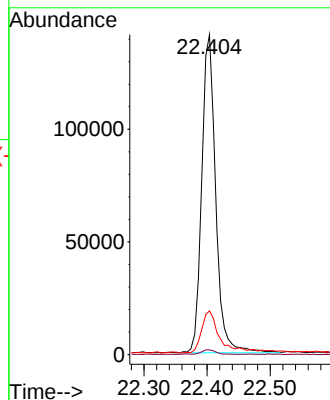
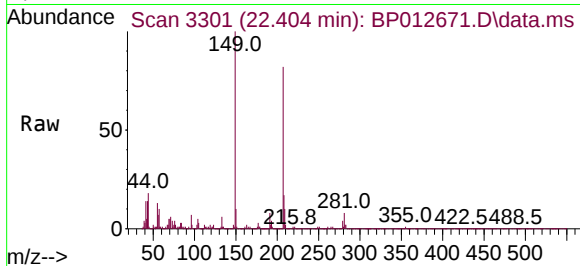
#85
Di-n-octyl phthalate
Concen: 2.820 ng
RT: 22.404 min Scan# 3302
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:149 Resp: 217142
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 16.4 8.9 13.3

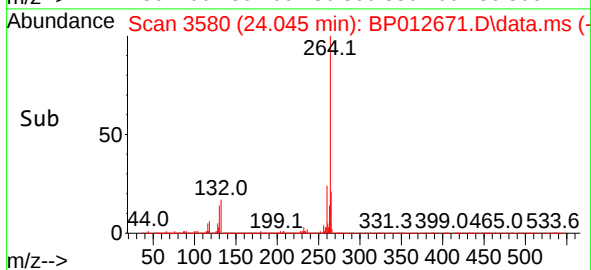
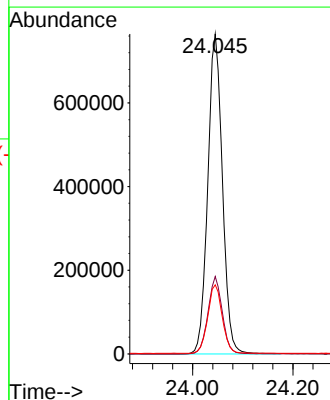
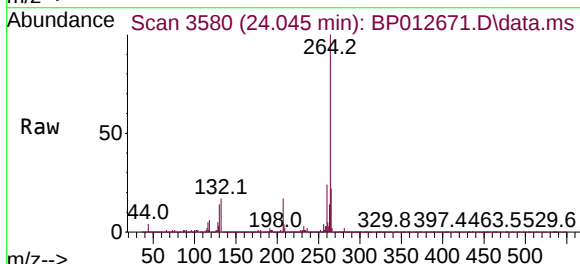
Manual Integrations
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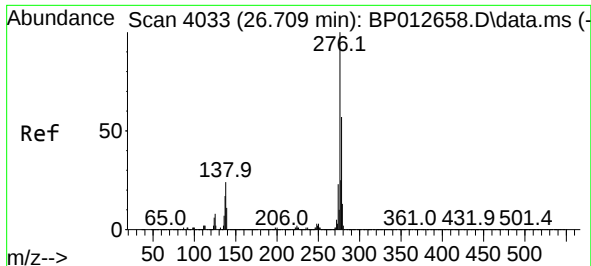
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.000 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:264 Resp: 1547321
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 21.6 17.3 25.9





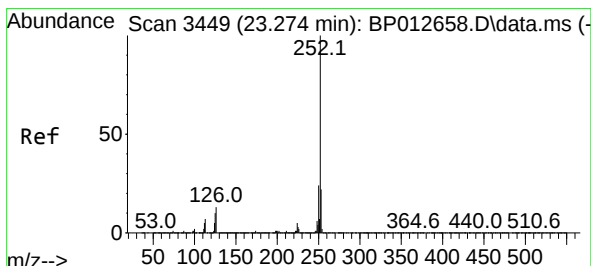
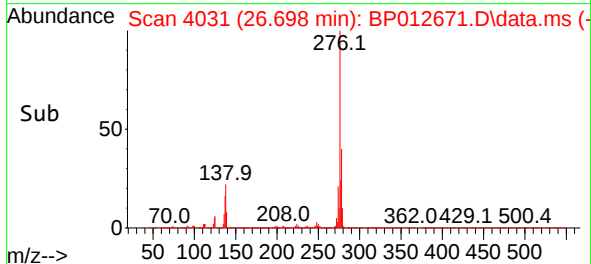
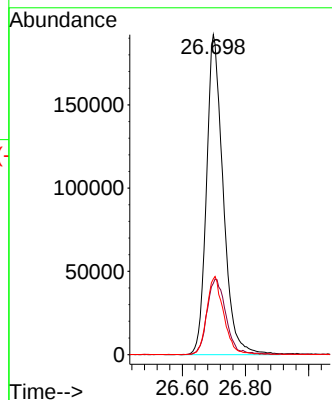
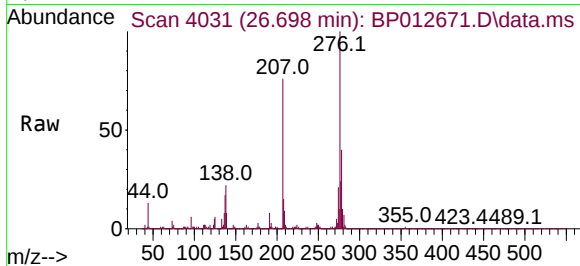
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.253 ng
 RT: 26.698 min Scan# 4033
 Delta R.T. -0.012 min
 Lab File: BP012671.D
 Acq: 18 Nov 2022 13:33

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

Tgt Ion: 276 Resp: 704338
 Ion Ratio Lower Upper
 276 100
 138 26.7 20.8 31.2
 277 24.9 20.2 30.2

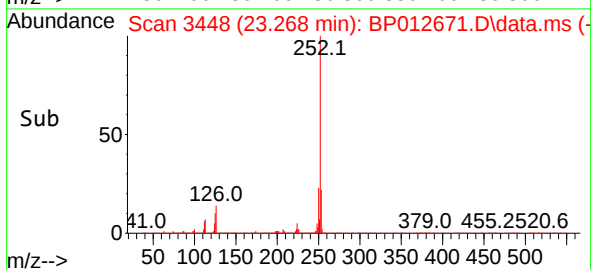
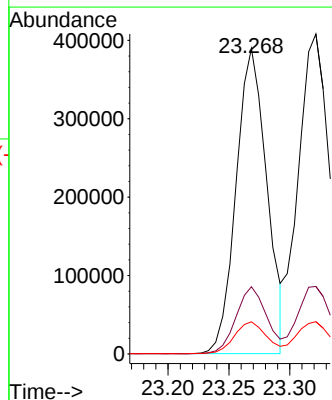
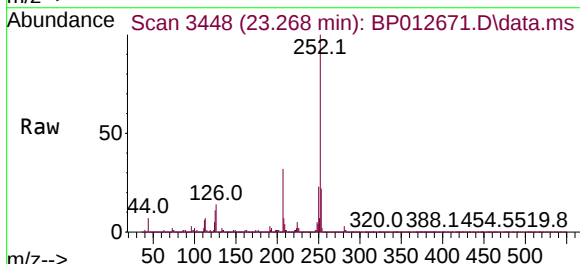
Manual Integrations
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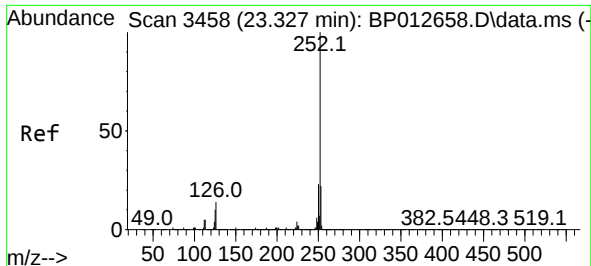
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022



#88
 Benzo(b)fluoranthene
 Concen: 6.690 ng
 RT: 23.268 min Scan# 3448
 Delta R.T. -0.006 min
 Lab File: BP012671.D
 Acq: 18 Nov 2022 13:33

Tgt Ion: 252 Resp: 685336
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.8 26.8
 125 10.5 7.9 11.9





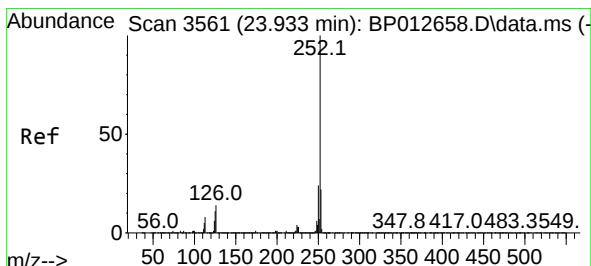
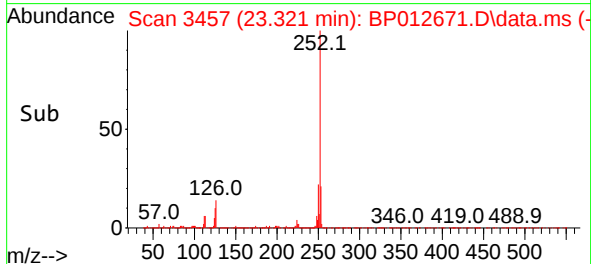
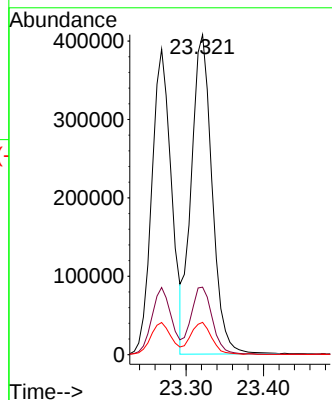
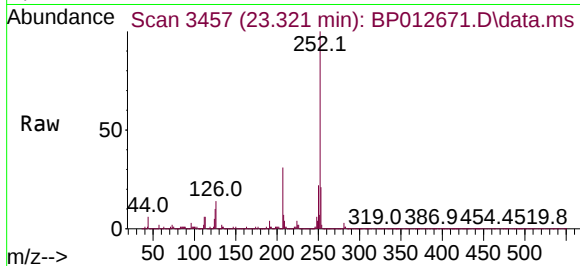
#89
Benzo(k)fluoranthene
Concen: 7.455 ng
RT: 23.321 min Scan# 3458
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

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

Tgt Ion:252 Resp: 758805
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.2
125 10.1 7.9 11.9

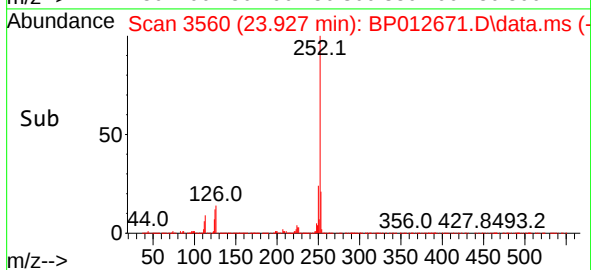
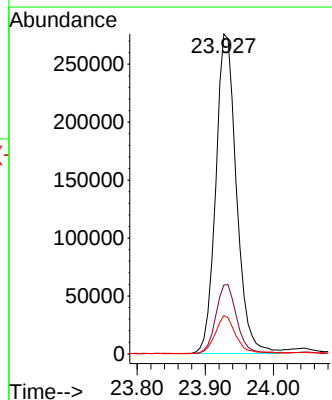
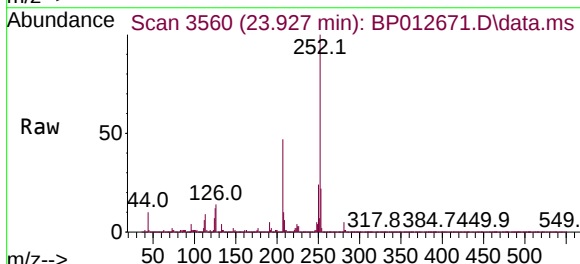
Manual Integrations
APPROVED

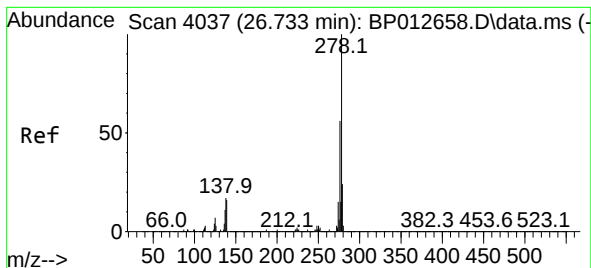
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#90
Benzo(a)pyrene
Concen: 6.813 ng
RT: 23.927 min Scan# 3560
Delta R.T. -0.006 min
Lab File: BP012671.D
Acq: 18 Nov 2022 13:33

Tgt Ion:252 Resp: 579163
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 12.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 6.762 ng

RT: 26.727 min Scan# 4037

Delta R.T. -0.006 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

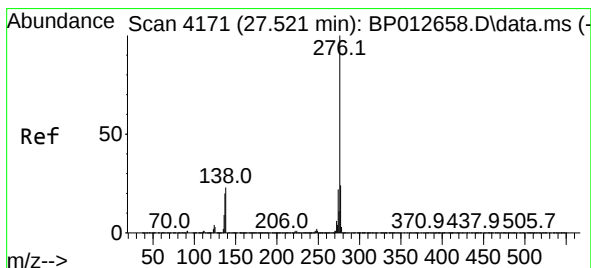
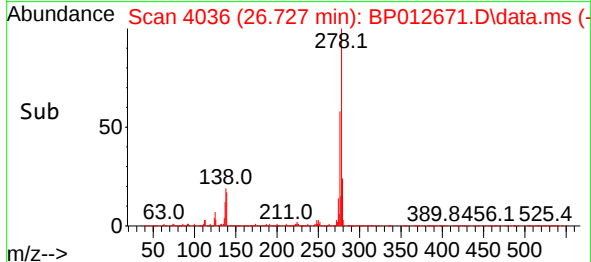
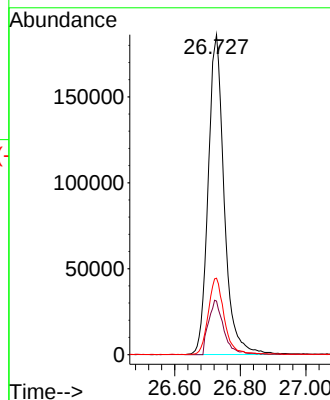
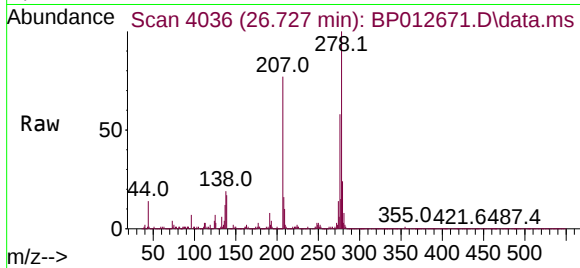
Tgt Ion:	278	Resp:	62984
Ion Ratio	Lower	Upper	
278	100		
139	16.7	13.0	19.4
279	23.9	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#92

Benzo(g,h,i)perylene

Concen: 6.591 ng

RT: 27.515 min Scan# 4170

Delta R.T. -0.006 min

Lab File: BP012671.D

Acq: 18 Nov 2022 13:33

Tgt Ion:	276	Resp:	596328
Ion Ratio	Lower	Upper	
276	100		
277	22.5	19.4	29.2
138	22.9	18.1	27.1

