

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012674.D
 Acq On : 18 Nov 2022 16:41
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 21 03:46:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.045	152	197178	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	884316	20.000	ng	0.00
39) Acenaphthene-d10	14.680	164	606821	20.000	ng	0.00
64) Phenanthrene-d10	17.439	188	1433711	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1699585	20.000	ng	0.00
86) Perylene-d12	24.050	264	1948410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	995887	91.278	ng	0.00
7) Phenol-d6	7.187	99	1433443	94.337	ng	0.00
23) Nitrobenzene-d5	9.210	82	1111177	79.004	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	732739	105.515	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	3099115	76.845	ng	0.00
79) Terphenyl-d14	19.986	244	7650398	97.257	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	76803	17.528	ng	98
3) Pyridine	3.857	79	206924	14.960	ng	98
4) n-Nitrosodimethylamine	3.763	42	98976	16.756	ng	# 88
6) Aniline	7.363	93	348353	18.198	ng	100
8) 2-Chlorophenol	7.604	128	245343	18.211	ng	98
9) Benzaldehyde	7.175	77	224237	25.304	ng	98
10) Phenol	7.216	94	309332	18.070	ng	98
11) bis(2-Chloroethyl)ether	7.463	93	262859	19.276	ng	99
12) 1,3-Dichlorobenzene	7.934	146	291449	19.493	ng	99
13) 1,4-Dichlorobenzene	8.081	146	296944	19.478	ng	99
14) 1,2-Dichlorobenzene	8.404	146	290991	19.889	ng	99
15) Benzyl Alcohol	8.281	79	187394	16.552	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.581	45	378825	19.689	ng	99
17) 2-Methylphenol	8.481	107	209562	17.654	ng	97
18) Hexachloroethane	9.139	117	104066	20.427	ng	95
19) n-Nitroso-di-n-propyla...	8.851	70	184021	17.818	ng	96
20) 3+4-Methylphenols	8.804	107	279846	16.828	ng	98
22) Acetophenone	8.869	105	433977	19.660	ng	# 99
24) Nitrobenzene	9.251	77	296324	19.511	ng	97
25) Isophorone	9.781	82	596089	18.841	ng	99
26) 2-Nitrophenol	9.969	139	97588	14.818	ng	96
27) 2,4-Dimethylphenol	10.022	122	222058	17.867	ng	98
28) bis(2-Chloroethoxy)met...	10.269	93	368294	20.467	ng	99
29) 2,4-Dichlorophenol	10.498	162	249707	17.286	ng	98
30) 1,2,4-Trichlorobenzene	10.728	180	287147	18.519	ng	99
31) Naphthalene	10.916	128	907269	18.662	ng	100
32) Benzoic acid	10.098	122	120075m	12.339	ng	
33) 4-Chloroaniline	11.016	127	352689	17.413	ng	99
34) Hexachlorobutadiene	11.204	225	178005	19.431	ng	98
35) Caprolactam	11.775	113	71211	15.139	ng	96
36) 4-Chloro-3-methylphenol	12.128	107	270360	17.435	ng	98
37) 2-Methylnaphthalene	12.516	142	652319	18.763	ng	100
38) 1-Methylnaphthalene	12.733	142	626779	18.347	ng	99
40) 1,2,4,5-Tetrachloroben...	12.880	216	355868	20.107	ng	99
41) Hexachlorocyclopentadiene	12.863	237	158262	23.510	ng	98
43) 2,4,6-Trichlorophenol	13.110	196	211762	16.806	ng	97

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Instrument :
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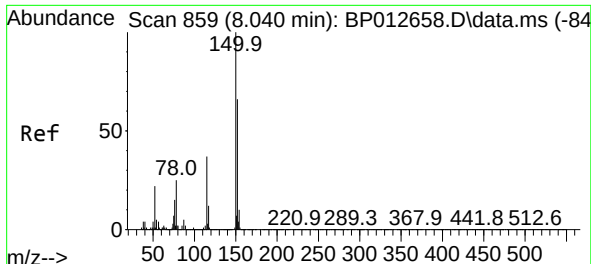
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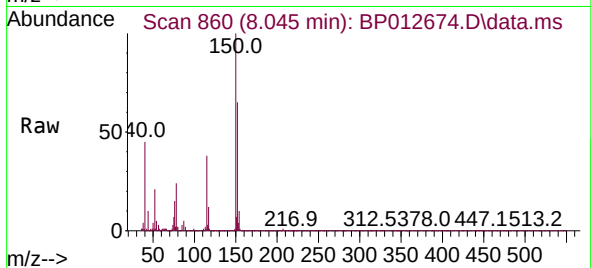
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.180	196	238597	17.114	ng	97
46) 1,1'-Biphenyl	13.522	154	892163	19.661	ng	99
47) 2-Chloronaphthalene	13.563	162	692470	19.218	ng	99
48) 2-Nitroaniline	13.757	65	106222	14.731	ng	99
49) Acenaphthylene	14.404	152	1085972	18.467	ng	99
50) Dimethylphthalate	14.133	163	839425	17.562	ng	99
51) 2,6-Dinitrotoluene	14.251	165	149145	17.794	ng	97
52) Acenaphthene	14.745	154	681448	18.157	ng	97
53) 3-Nitroaniline	14.575	138	146953	15.310	ng	# 93
54) 2,4-Dinitrophenol	14.780	184	62813	13.496	ng	97
55) Dibenzofuran	15.080	168	1087064	19.187	ng	97
56) 4-Nitrophenol	14.863	139	137732	15.329	ng	95
57) 2,4-Dinitrotoluene	15.033	165	189259	16.975	ng	91
58) Fluorene	15.733	166	884658	19.839	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.298	232	211566	16.857	ng	99
60) Diethylphthalate	15.504	149	807216	17.168	ng	99
61) 4-Chlorophenyl-phenylether	15.727	204	439475	20.503	ng	96
62) 4-Nitroaniline	15.739	138	139867	14.895	ng	96
63) Azobenzene	16.021	77	832987	19.391	ng	98
65) 4,6-Dinitro-2-methylph...	15.798	198	85995	12.214	ng	98
66) n-Nitrosodiphenylamine	15.939	169	720252	16.857	ng	99
67) 4-Bromophenyl-phenylether	16.627	248	247318	16.497	ng	96
68) Hexachlorobenzene	16.733	284	311121	17.895	ng	97
69) Atrazine	16.892	200	203068	18.037	ng	98
70) Pentachlorophenol	17.080	266	176667	15.656	ng	99
71) Phenanthrene	17.480	178	1424948	17.522	ng	100
72) Anthracene	17.574	178	1425745	18.172	ng	98
73) Carbazole	17.833	167	1321684	17.737	ng	99
74) Di-n-butylphthalate	18.392	149	1162015	14.957	ng	99
75) Fluoranthene	19.439	202	1707836	17.726	ng	99
77) Benzidine	19.610	184	261923	11.210	ng	99
78) Pyrene	19.786	202	1766495	14.707	ng	99
80) Butylbenzylphthalate	20.662	149	180476	8.325	ng	98
81) Benzo(a)anthracene	21.509	228	1770355	14.858	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	357711	11.927	ng	98
83) Chrysene	21.562	228	1679037	14.861	ng	100
84) Bis(2-ethylhexyl)phtha...	21.433	149	362045	9.216	ng	98
85) Di-n-octyl phthalate	22.409	149	765386	9.209	ng	96
87) Indeno(1,2,3-cd)pyrene	26.709	276	1747138	12.317	ng	99
88) Benzo(b)fluoranthene	23.280	252	1779076	13.792	ng	99
89) Benzo(k)fluoranthene	23.327	252	1768237	13.796	ng	99
90) Benzo(a)pyrene	23.939	252	1470651	13.739	ng	99
91) Dibenzo(a,h)anthracene	26.733	278	1539197	13.122	ng	99
92) Benzo(g,h,i)perylene	27.527	276	1436493	12.609	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.045 min Scan# 80
Delta R.T. 0.005 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

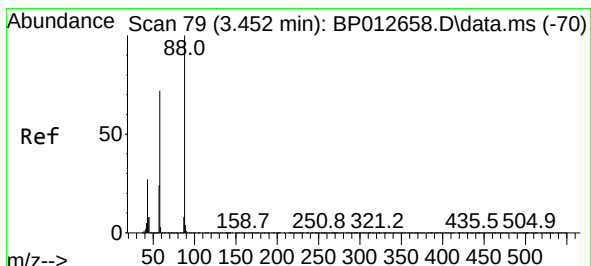
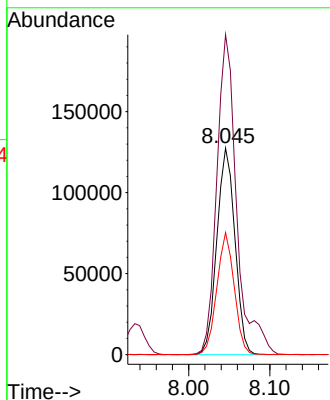
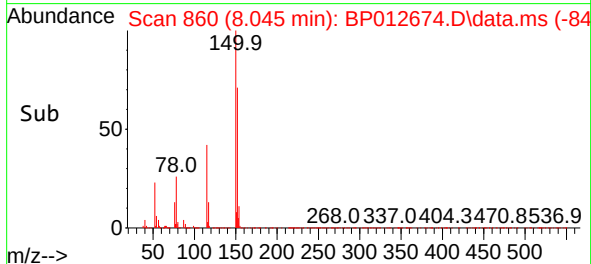
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 197178
Ion Ratio Lower Upper
152 100
150 155.0 121.8 182.8
115 59.1 45.4 68.2

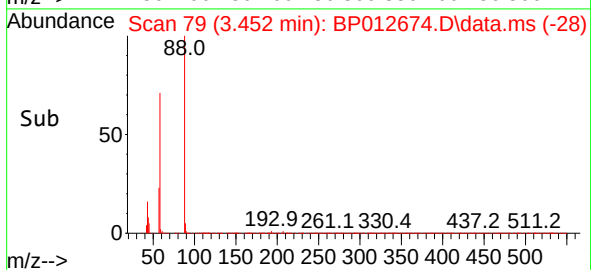
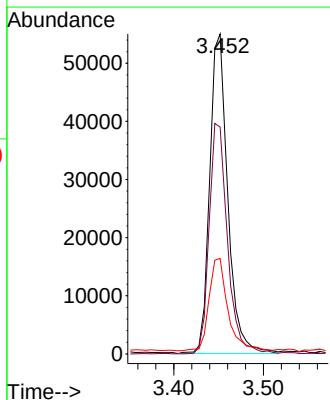
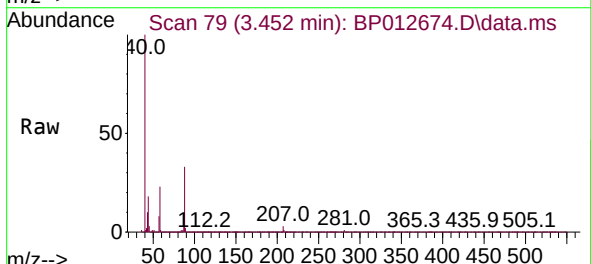
Manual Integrations
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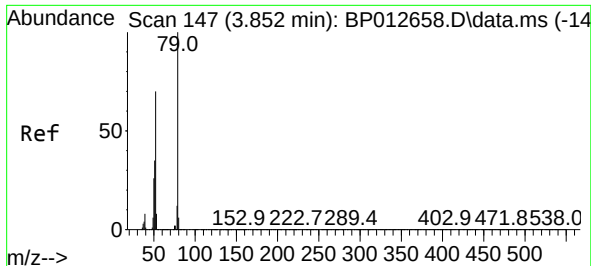
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#2
1,4-Dioxane
Concen: 17.528 ng
RT: 3.452 min Scan# 79
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

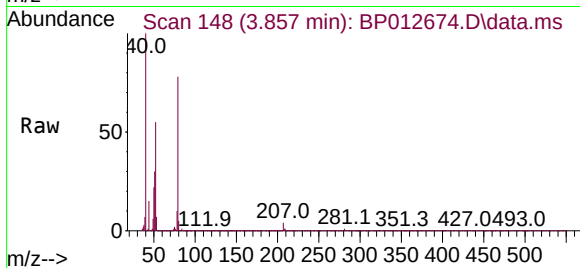
Tgt Ion: 88 Resp: 76803
Ion Ratio Lower Upper
88 100
58 73.1 59.3 88.9
43 30.2 23.0 34.4





#3
Pyridine
Concen: 14.960 ng
RT: 3.857 min Scan# 147
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

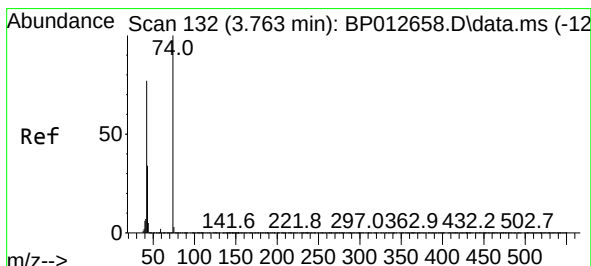
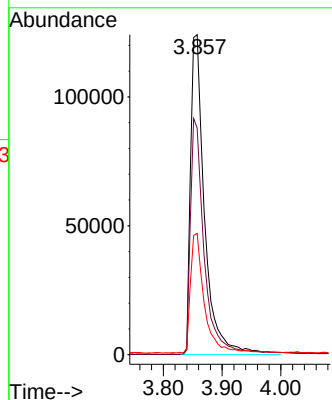
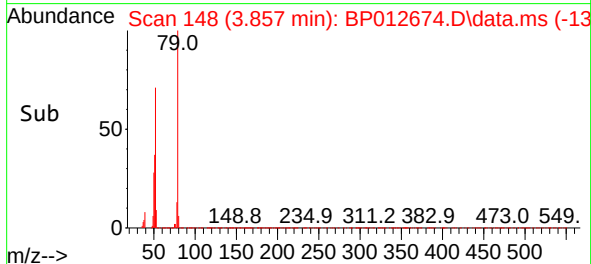
Instrument :
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LOQ-SOIL-02-QT4-2022



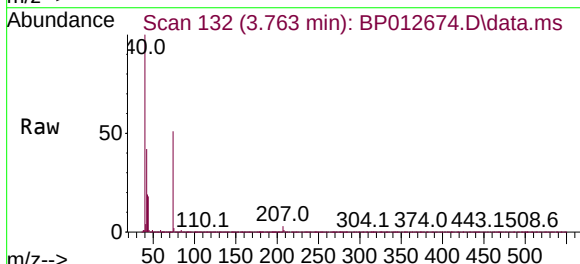
Tgt Ion: 79 Resp: 206924
Ion Ratio Lower Upper
79 100
52 70.8 56.1 84.1
51 37.9 28.1 42.1

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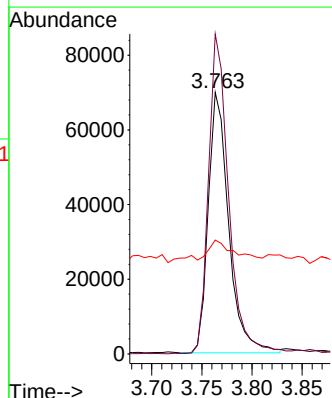
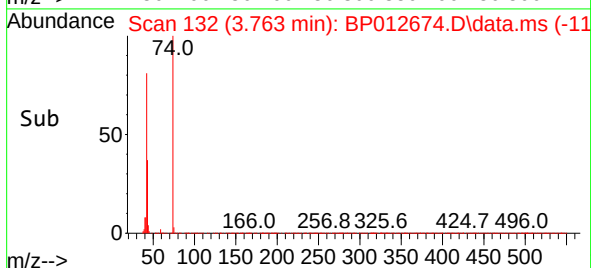
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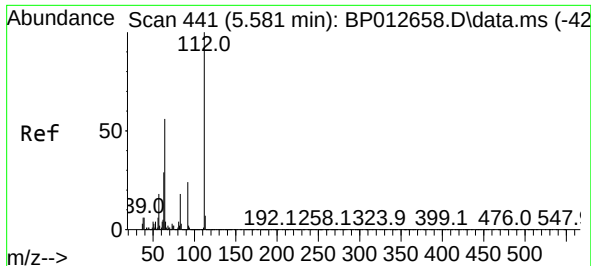


#4
n-Nitrosodimethylamine
Concen: 16.756 ng
RT: 3.763 min Scan# 132
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



Tgt Ion: 42 Resp: 98976
Ion Ratio Lower Upper
42 100
74 122.4 103.5 155.3
44 43.5 6.4 9.6#





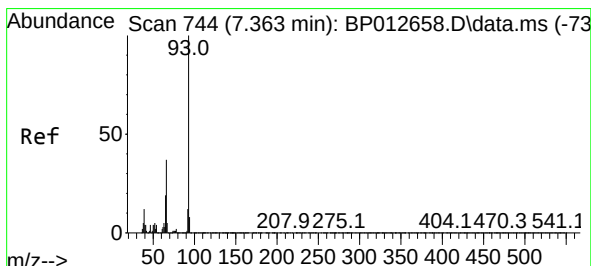
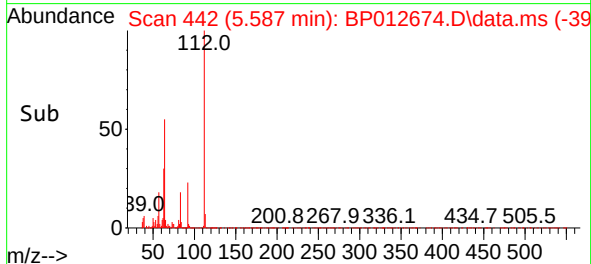
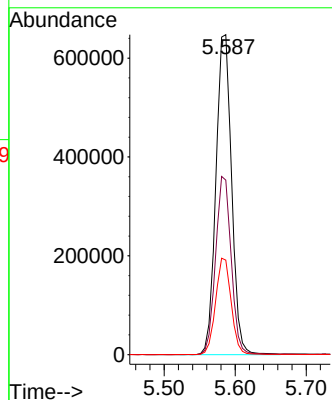
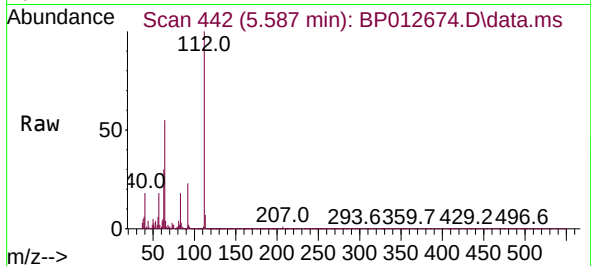
#5
2-Fluorophenol
Concen: 91.278 ng
RT: 5.587 min Scan# 441
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion:112 Resp: 995887
Ion Ratio Lower Upper
112 100
64 54.5 44.7 67.1
63 29.5 23.3 34.9

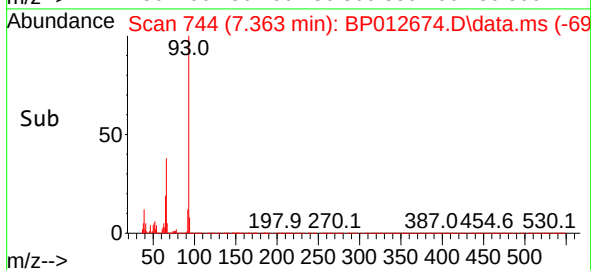
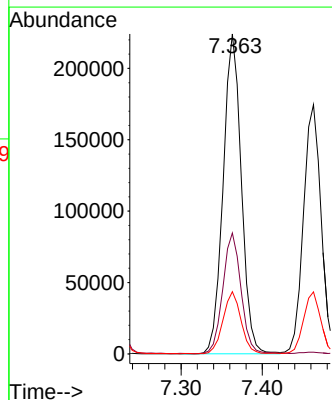
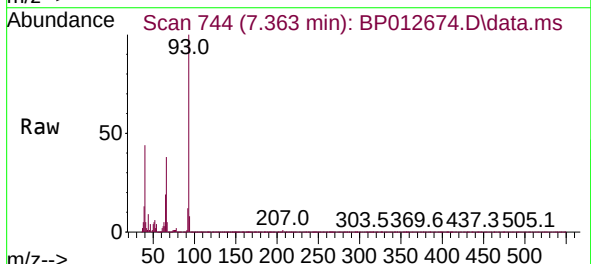
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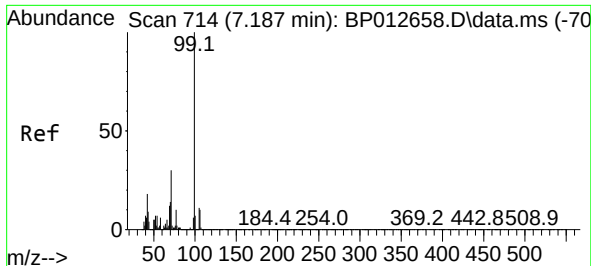
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 18.198 ng
RT: 7.363 min Scan# 744
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

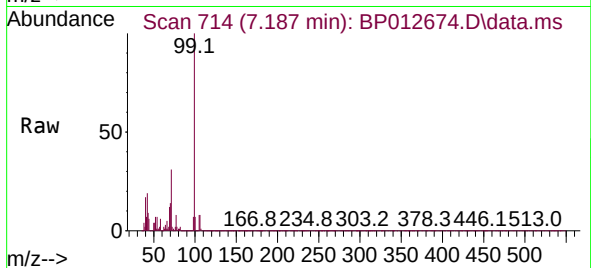
Tgt Ion: 93 Resp: 348353
Ion Ratio Lower Upper
93 100
66 37.8 29.9 44.9
65 19.4 15.4 23.2





#7
Phenol-d6
Concen: 94.337 ng
RT: 7.187 min Scan# 714
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

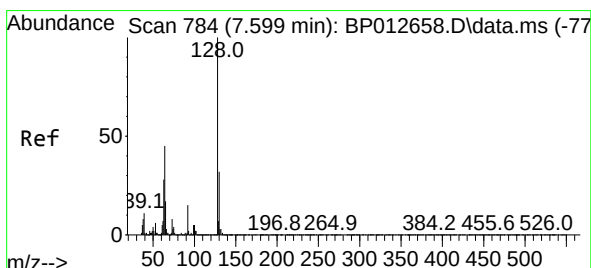
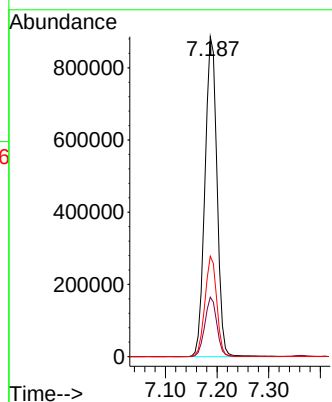
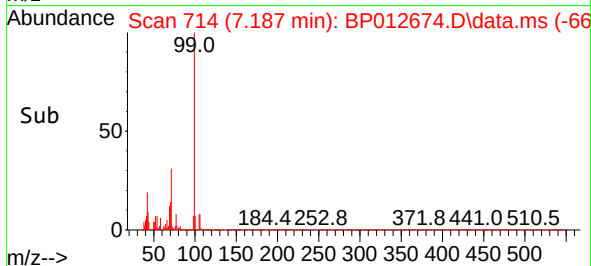
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Tgt Ion: 99 Resp: 143344
Ion Ratio Lower Upper
99 100
42 18.6 14.2 21.2
71 31.4 24.4 36.6

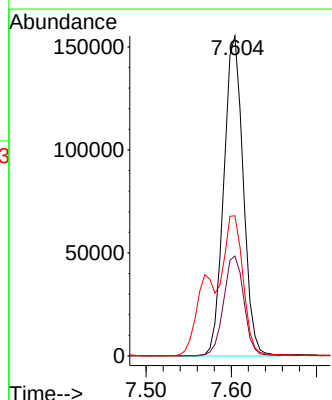
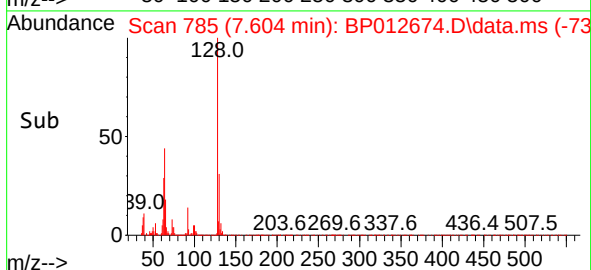
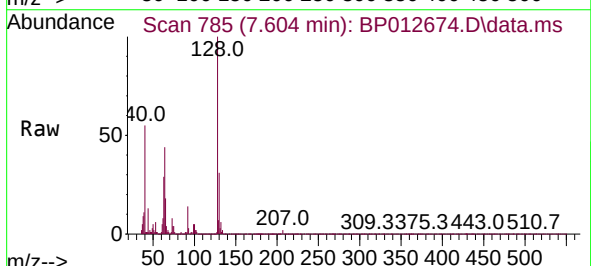
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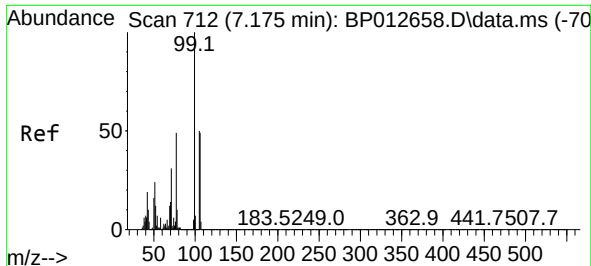
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 18.211 ng
RT: 7.604 min Scan# 785
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

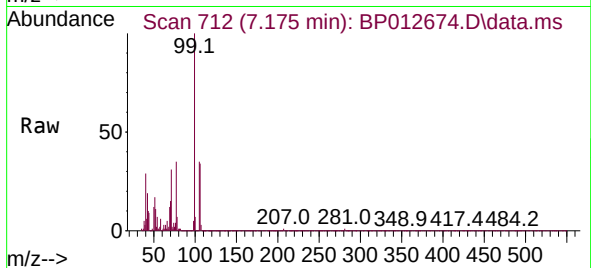
Tgt Ion:128 Resp: 245343
Ion Ratio Lower Upper
128 100
130 31.2 12.0 52.0
64 43.8 25.5 65.5





#9
Benzaldehyde
Concen: 25.304 ng
RT: 7.175 min Scan# 712
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

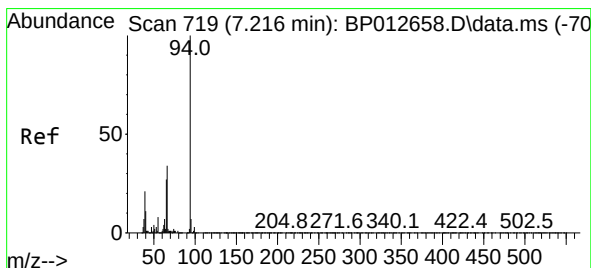
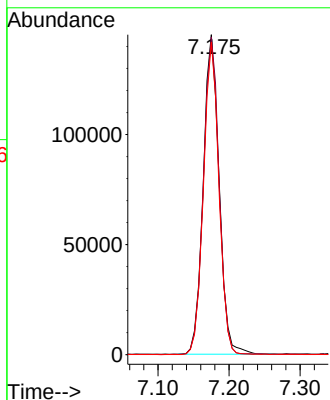
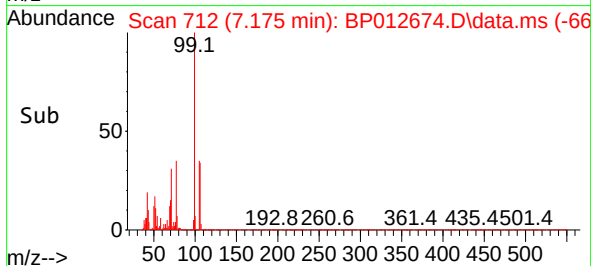
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



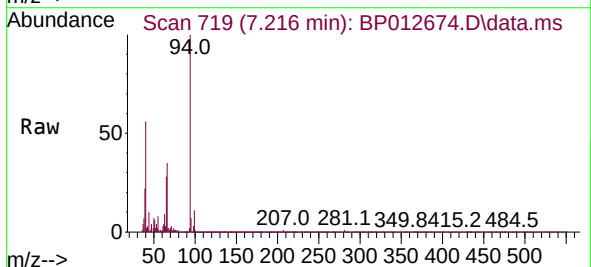
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Ion Ratio Lower Upper
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105 99.3 82.0 122.0
106 97.6 79.6 119.6

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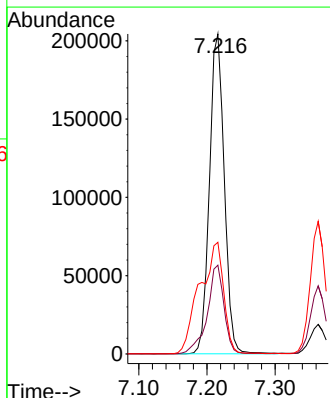
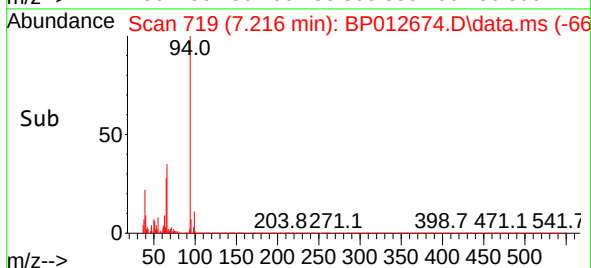
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

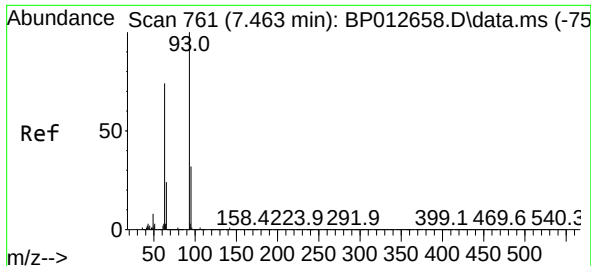


#10
Phenol
Concen: 18.070 ng
RT: 7.216 min Scan# 719
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



Tgt Ion: 94 Resp: 309332
Ion Ratio Lower Upper
94 100
65 27.7 6.8 46.8
66 34.9 13.9 53.9





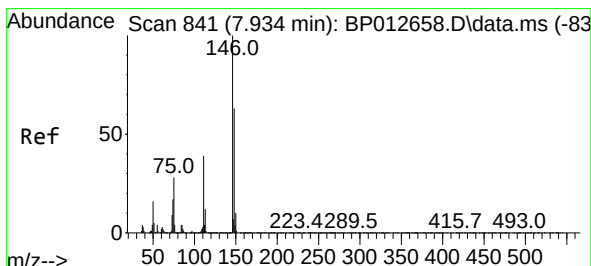
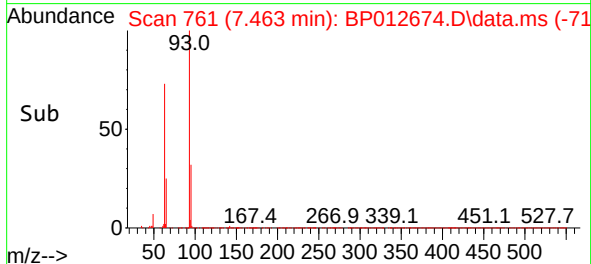
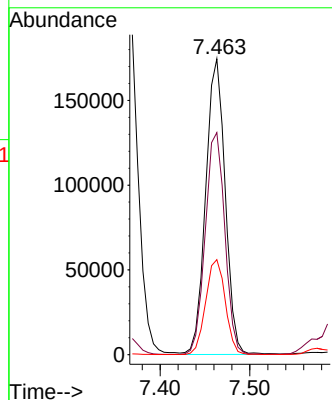
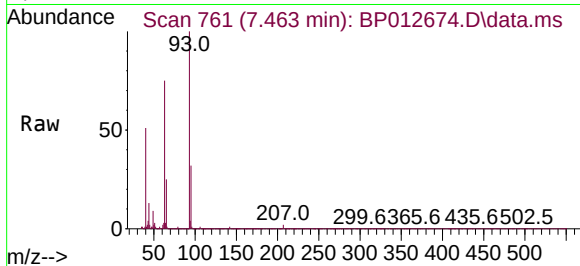
#11
bis(2-Chloroethyl)ether
Concen: 19.276 ng
RT: 7.463 min Scan# 761
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion: 93 Resp: 262859
Ion Ratio Lower Upper
93 100
63 75.1 53.9 93.9
95 32.1 12.3 52.3

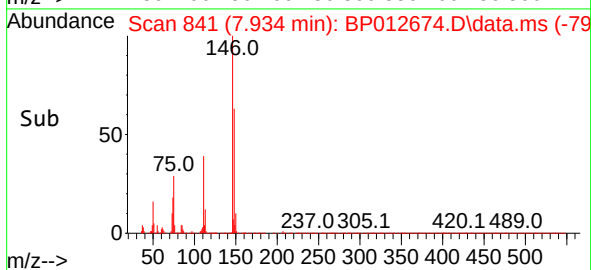
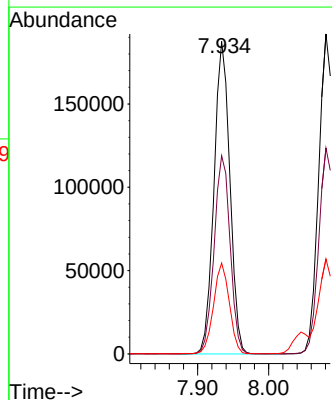
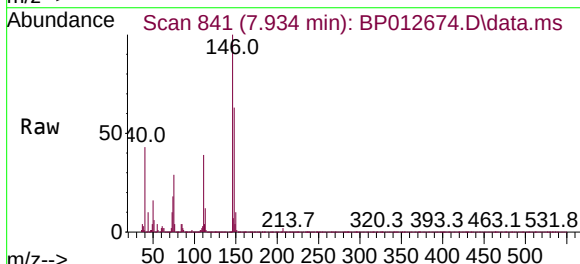
Manual Integrations
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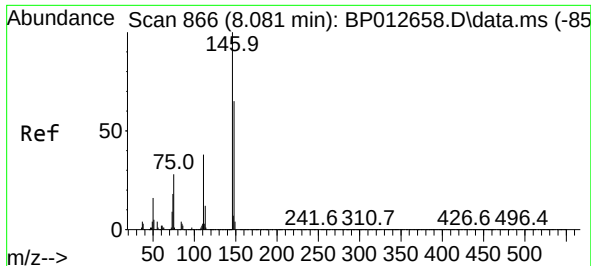
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 19.493 ng
RT: 7.934 min Scan# 841
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion:146 Resp: 291449
Ion Ratio Lower Upper
146 100
148 63.4 50.6 76.0
75 29.1 22.5 33.7





#13

1,4-Dichlorobenzene

Concen: 19.478 ng

RT: 8.081 min Scan# 866

Delta R.T. -0.000 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

Instrument :

BNA_P

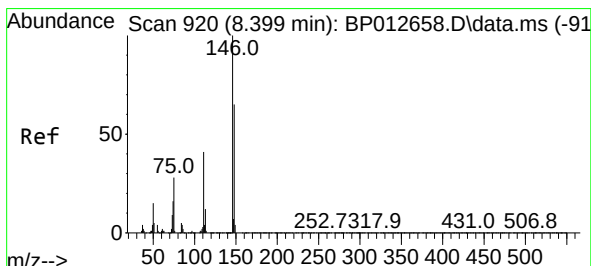
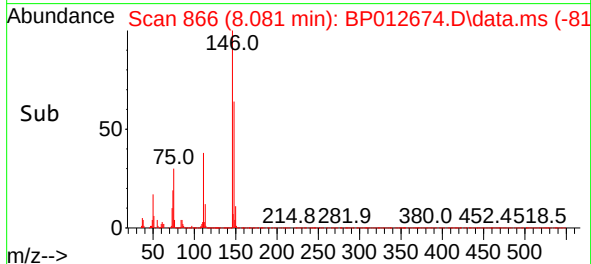
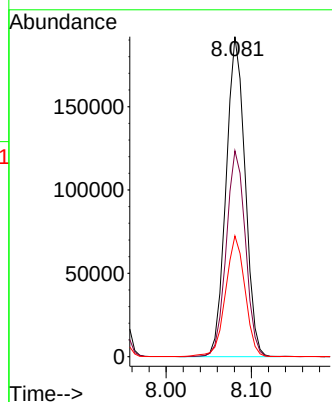
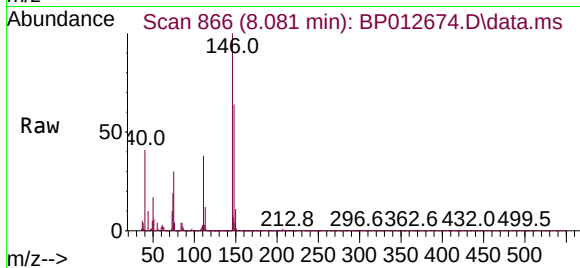
ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:146 Resp: 296944
 Ion Ratio Lower Upper
 146 100
 148 64.3 52.2 78.4
 111 37.7 30.6 45.8

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



#14

1,2-Dichlorobenzene

Concen: 19.889 ng

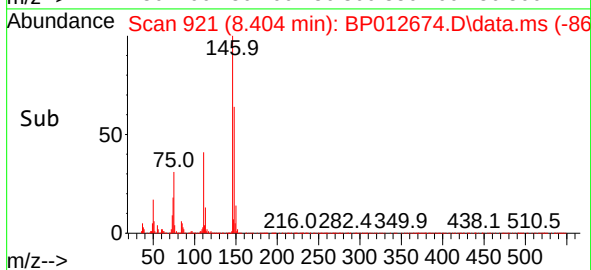
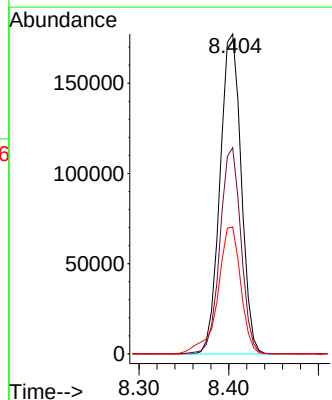
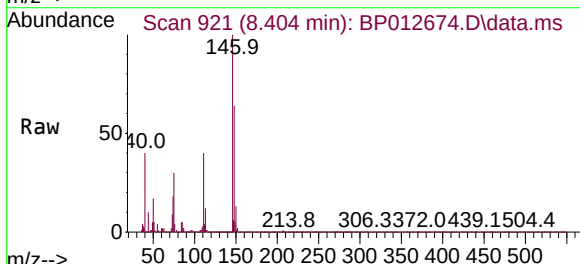
RT: 8.404 min Scan# 921

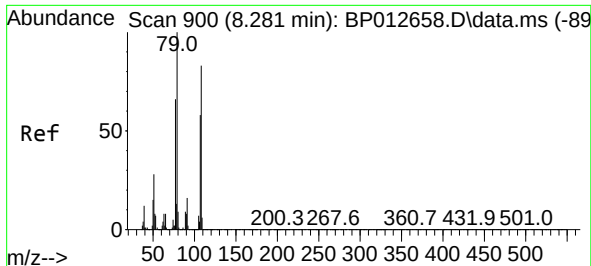
Delta R.T. 0.006 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

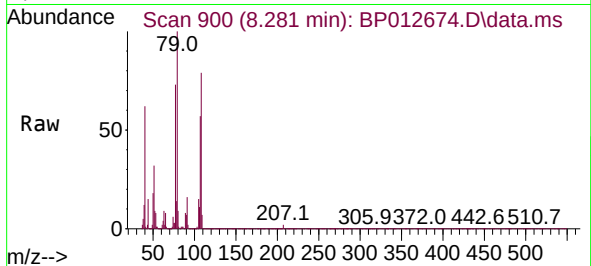
Tgt Ion:146 Resp: 290991
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.1 78.1
 111 39.7 32.8 49.2





#15
Benzyl Alcohol
Concen: 16.552 ng
RT: 8.281 min Scan# 900
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

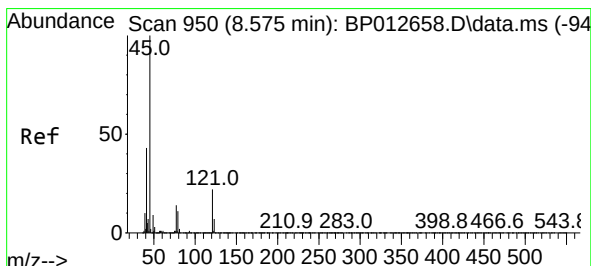
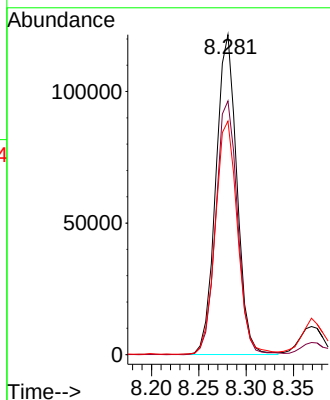
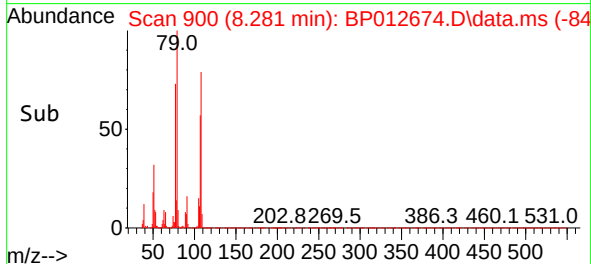
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



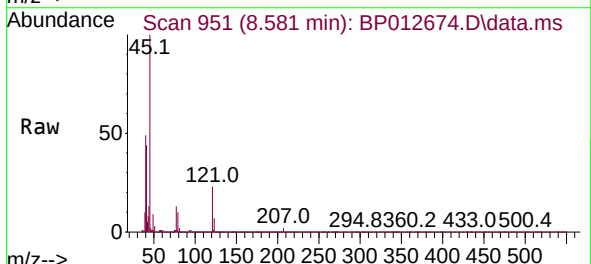
Tgt Ion: 79 Resp: 187394
Ion Ratio Lower Upper
79 100
108 79.3 66.4 99.6
77 73.0 53.2 79.8

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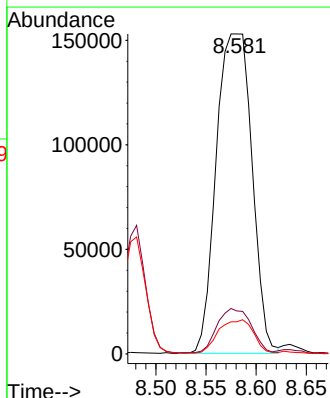
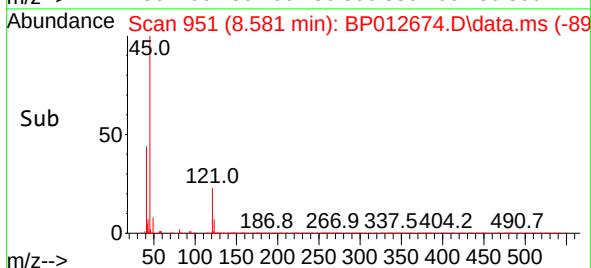
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

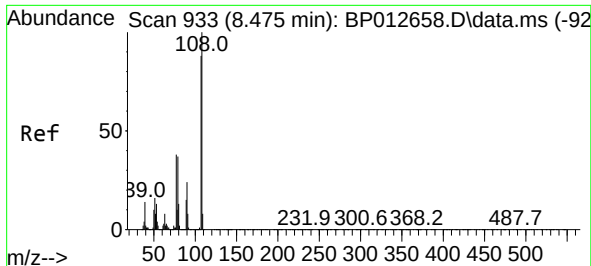


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.689 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



Tgt Ion: 45 Resp: 378825
Ion Ratio Lower Upper
45 100
77 13.4 0.0 33.8
79 10.0 0.0 30.7





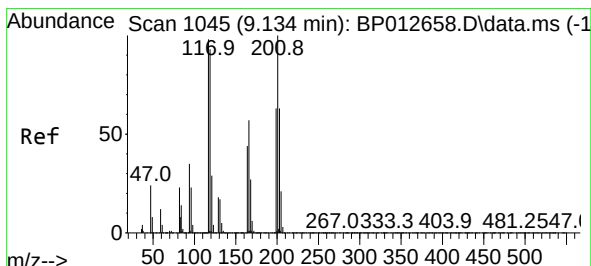
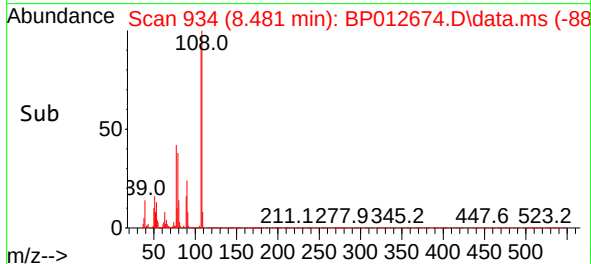
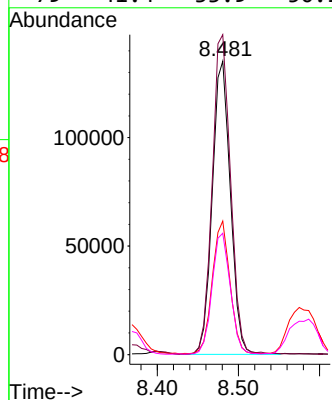
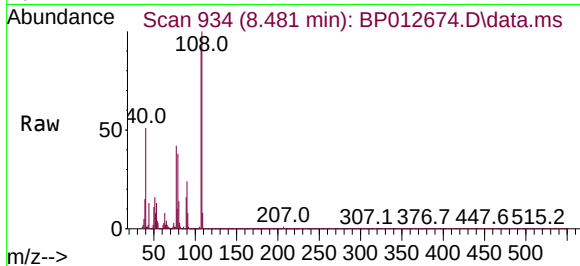
#17
2-Methylphenol
Concen: 17.654 ng
RT: 8.481 min Scan# 934
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion	Ratio	Lower	Upper
107	100		
108	109.1	91.0	136.6
77	45.5	35.1	52.7
79	41.4	33.9	50.9

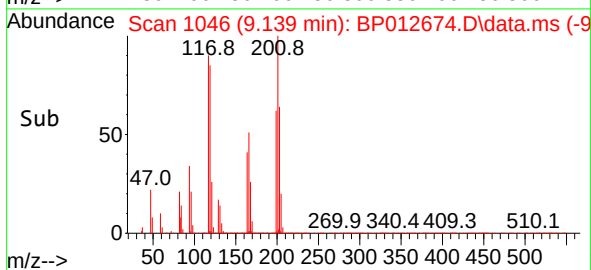
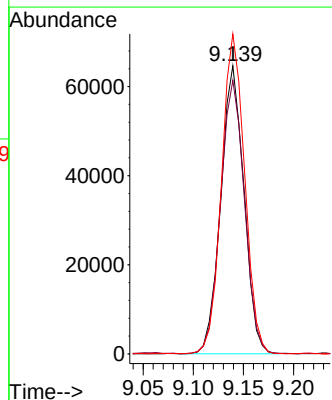
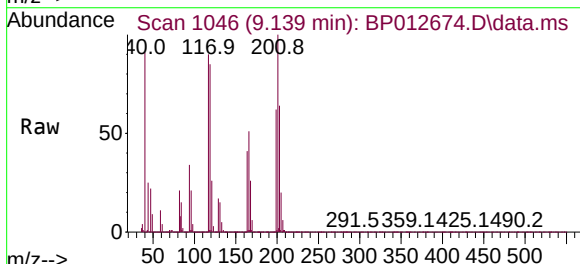
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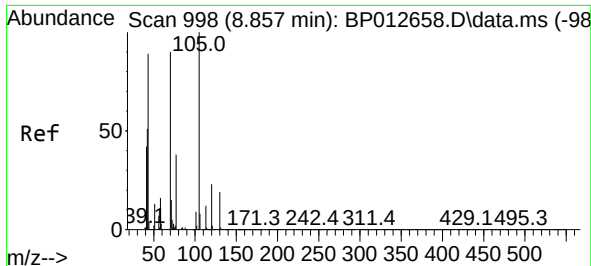
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 20.427 ng
RT: 9.139 min Scan# 1046
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.1	114.1
201	111.1	81.8	122.8





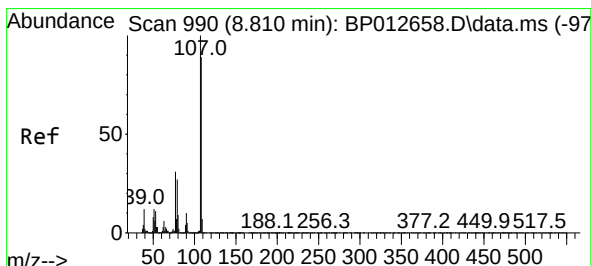
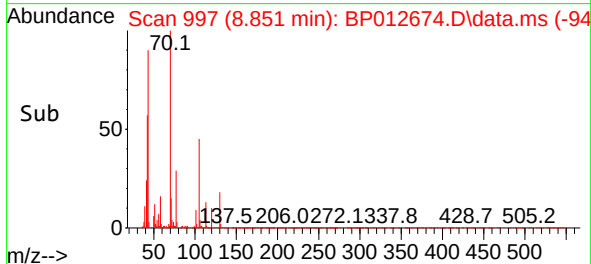
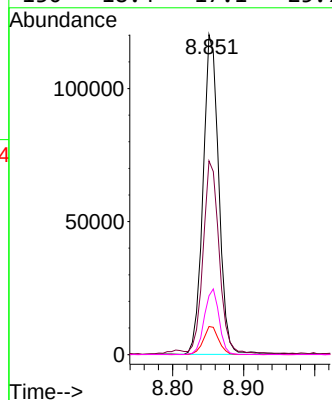
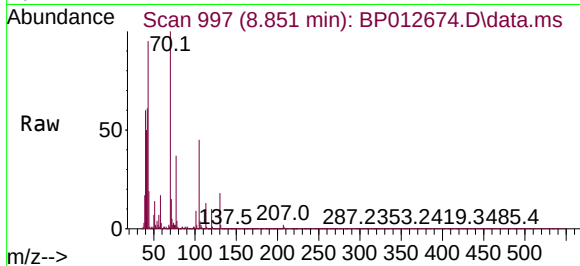
#19
n-Nitroso-di-n-propylamine
Concen: 17.818 ng
RT: 8.851 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion: 70 Resp: 184021
Ion Ratio Lower Upper
70 100
42 60.5 46.4 69.6
101 8.8 7.6 11.4
130 18.4 17.1 25.7

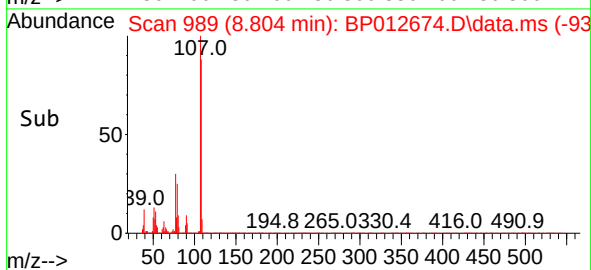
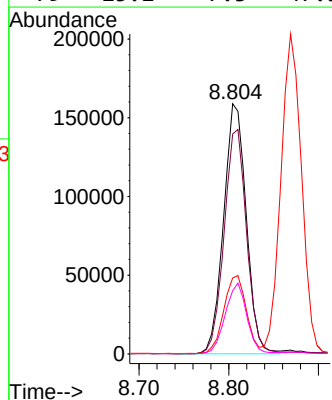
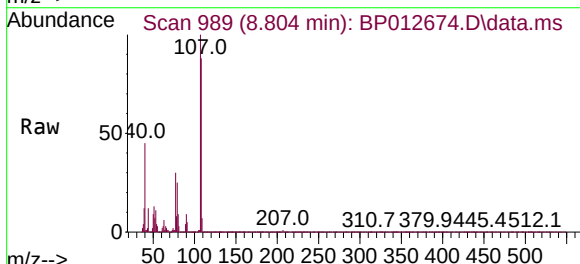
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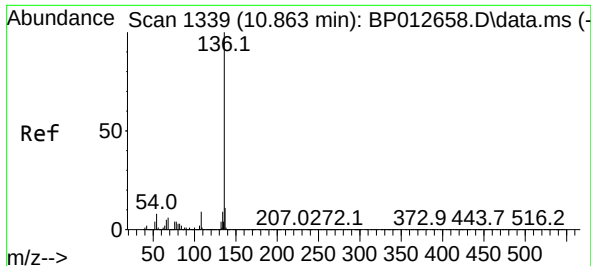
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 16.828 ng
RT: 8.804 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

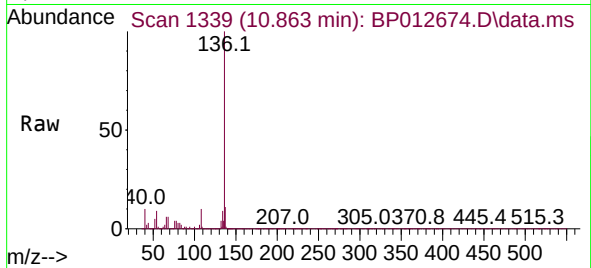
Tgt Ion:107 Resp: 279846
Ion Ratio Lower Upper
107 100
108 87.9 69.1 109.1
77 30.3 10.8 50.8
79 25.2 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.863 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

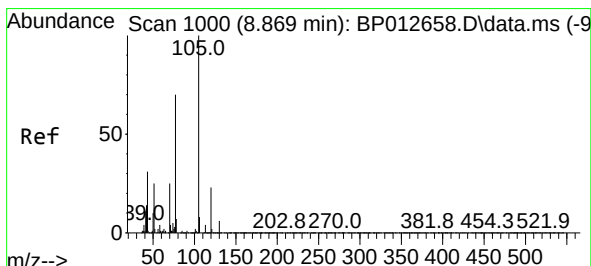
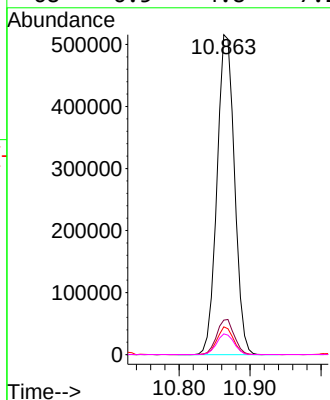
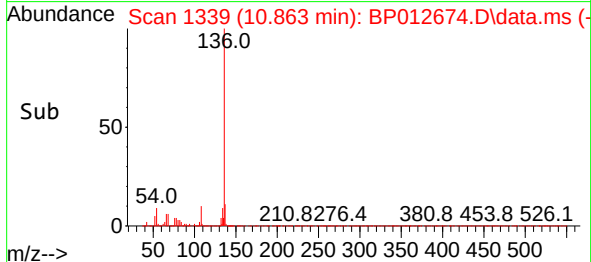
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



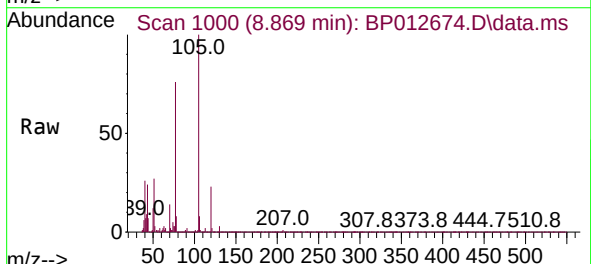
Tgt Ion:136 Resp: 884316
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.7 6.3 9.5
68 6.5 4.8 7.2

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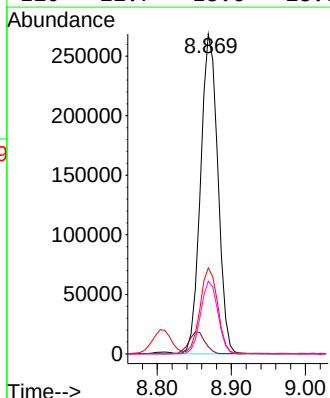
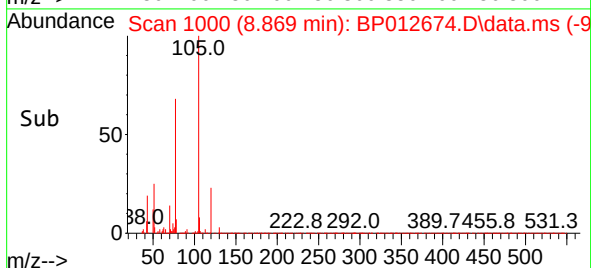
Reviewed By :Christian Giraldo 11/21/2022
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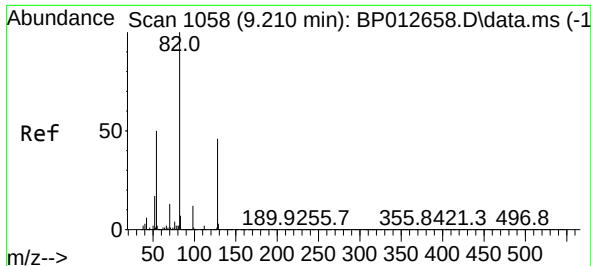


#22
Acetophenone
Concen: 19.660 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



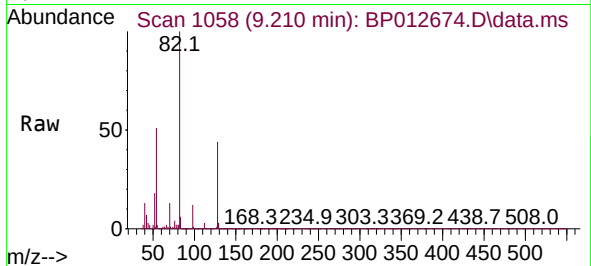
Tgt Ion:105 Resp: 433977
Ion Ratio Lower Upper
105 100
71 2.3 3.1 4.7#
51 26.9 21.4 32.2
120 22.7 18.6 28.0





#23
Nitrobenzene-d5
Concen: 79.004 ng
RT: 9.210 min Scan# 1058
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

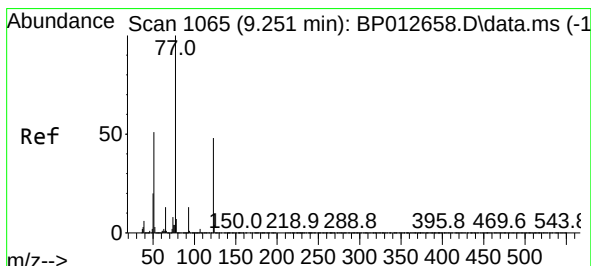
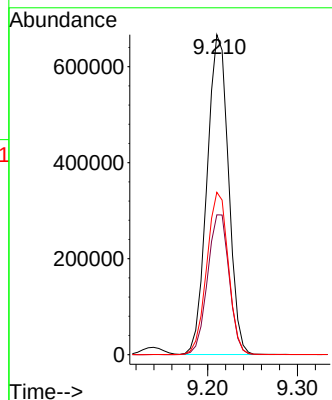
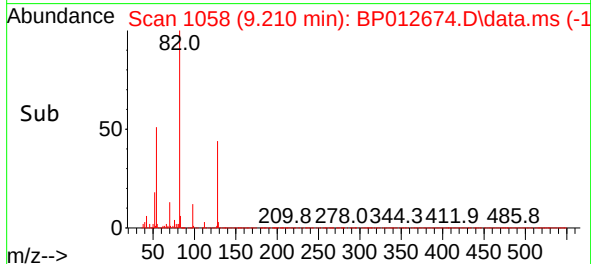
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



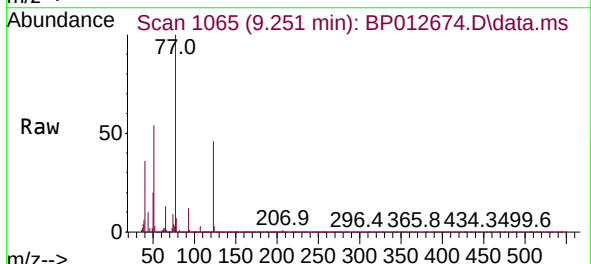
Tgt Ion: 82 Resp: 111117
Ion Ratio Lower Upper
82 100
128 43.7 36.5 54.7
54 50.7 39.9 59.9

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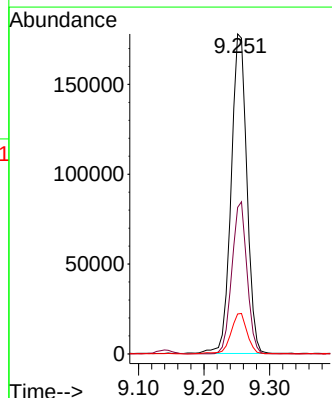
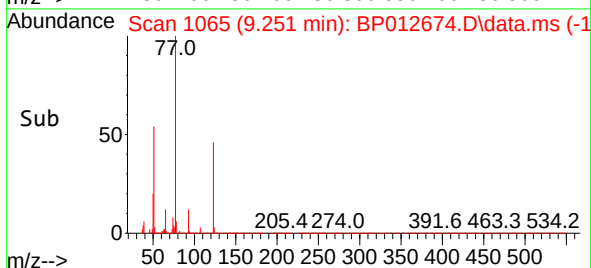
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

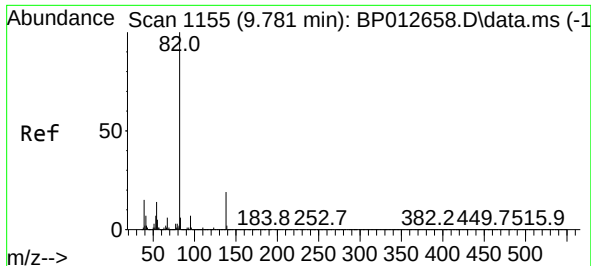


#24
Nitrobenzene
Concen: 19.511 ng
RT: 9.251 min Scan# 1065
Delta R.T. 0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



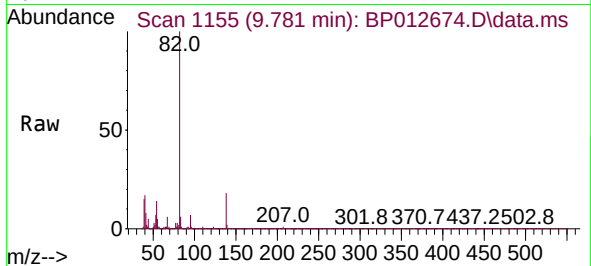
Tgt Ion: 77 Resp: 296324
Ion Ratio Lower Upper
77 100
123 45.8 38.7 58.1
65 12.5 10.6 15.8





#25
Isophorone
Concen: 18.841 ng
RT: 9.781 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

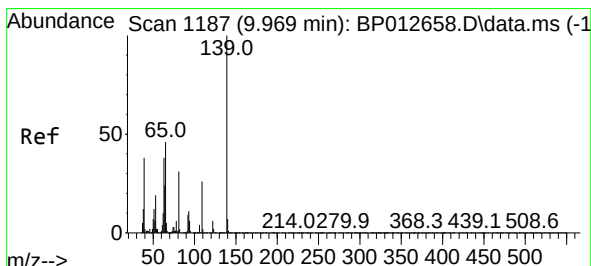
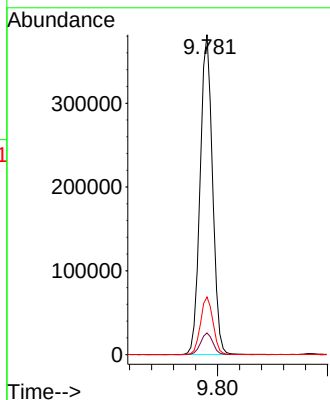
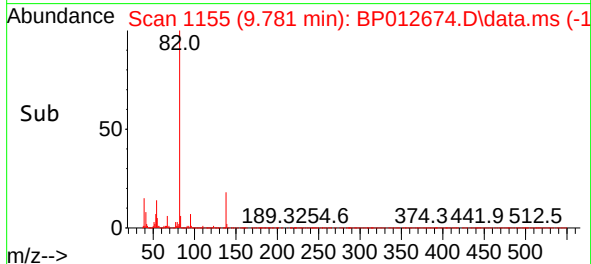
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



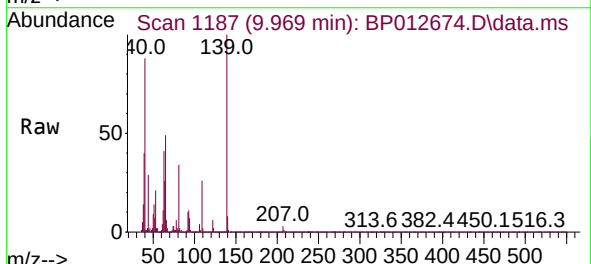
Tgt Ion: 82 Resp: 596089
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 18.0 14.9 22.3

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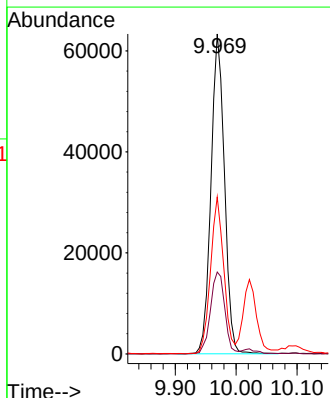
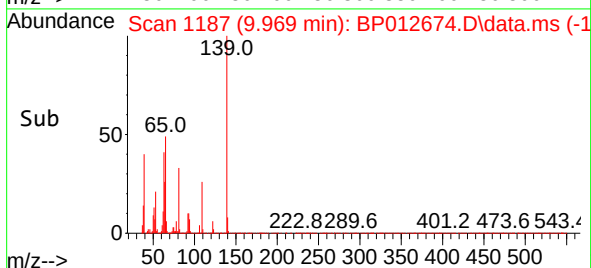
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

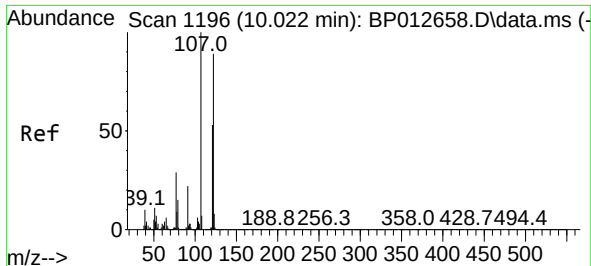


#26
2-Nitrophenol
Concen: 14.818 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



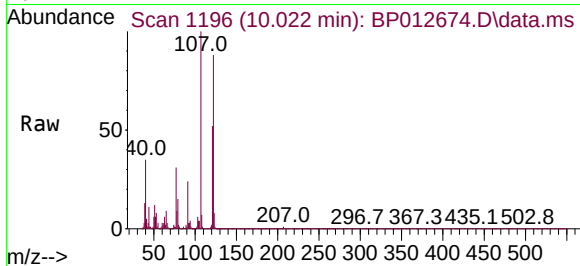
Tgt Ion:139 Resp: 97588
Ion Ratio Lower Upper
139 100
109 25.6 20.9 31.3
65 49.0 36.6 54.8





#27
2,4-Dimethylphenol
Concen: 17.867 ng
RT: 10.022 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

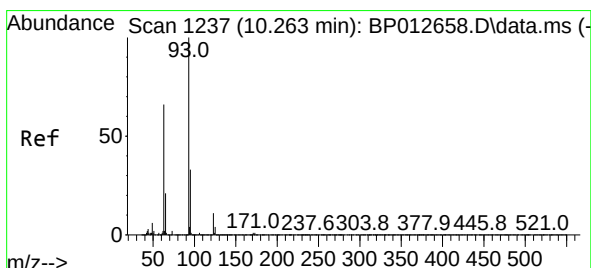
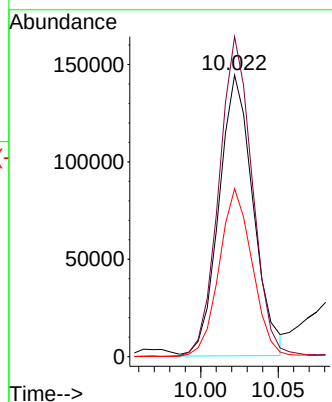
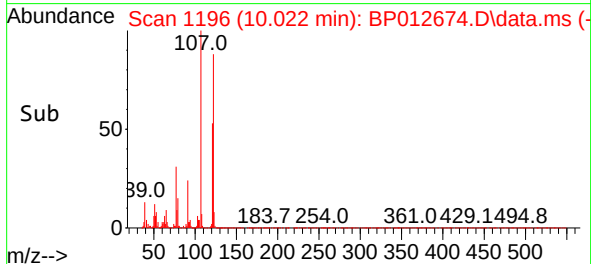
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



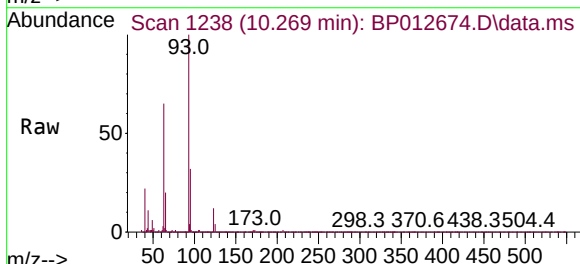
Tgt Ion:122 Resp: 222058
Ion Ratio Lower Upper
122 100
107 113.7 89.2 133.8
121 59.7 47.1 70.7

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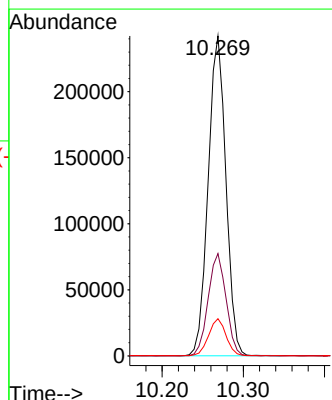
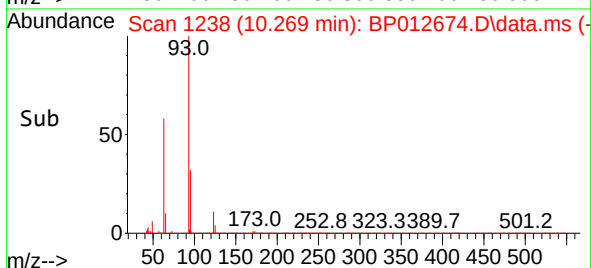
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

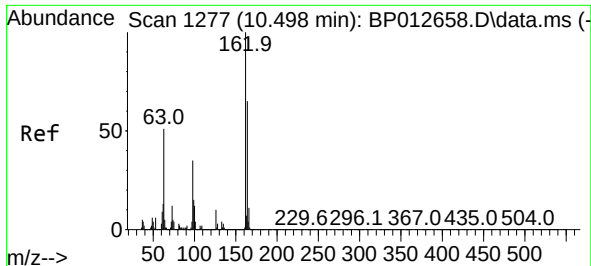


#28
bis(2-Chloroethoxy)methane
Concen: 20.467 ng
RT: 10.269 min Scan# 1238
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



Tgt Ion: 93 Resp: 368294
Ion Ratio Lower Upper
93 100
95 32.0 26.2 39.4
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 17.286 ng

RT: 10.498 min Scan# 1277

Delta R.T. -0.000 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

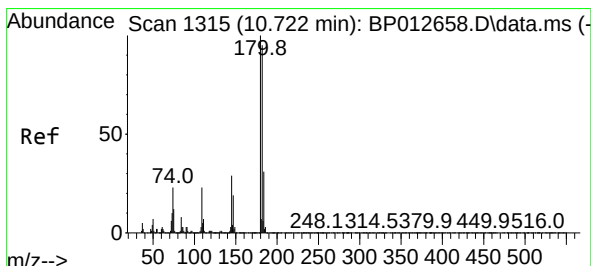
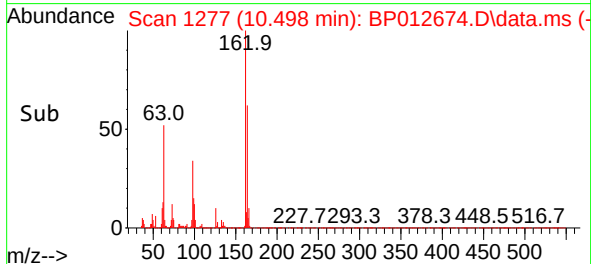
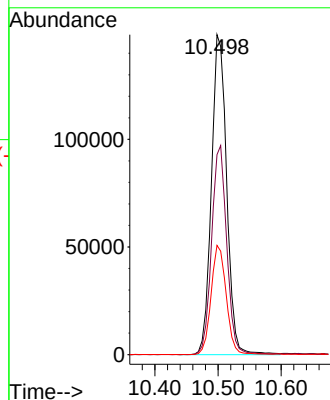
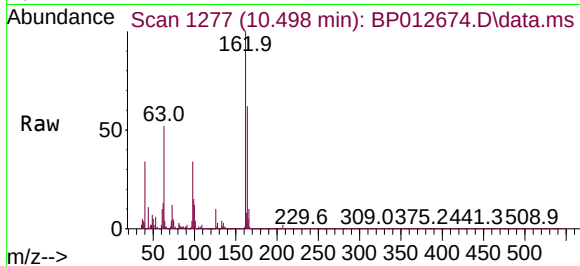
Tgt Ion:	162	Resp:	24970
Ion Ratio	Lower	Upper	
162	100		
164	62.5	44.7	84.7
98	34.1	14.9	54.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 18.519 ng

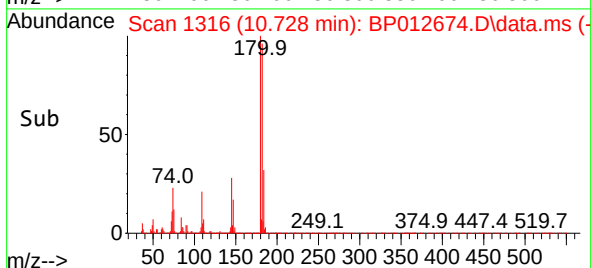
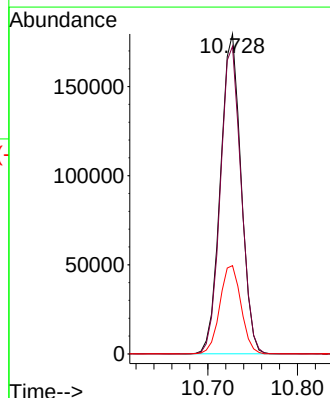
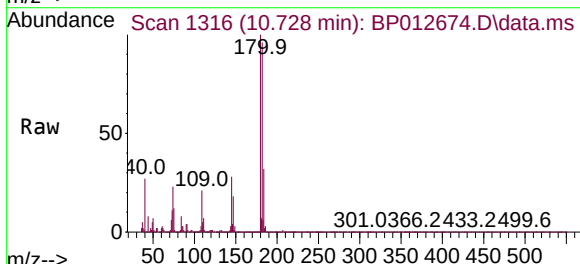
RT: 10.728 min Scan# 1316

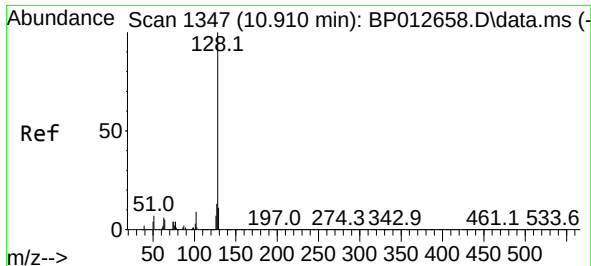
Delta R.T. 0.006 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

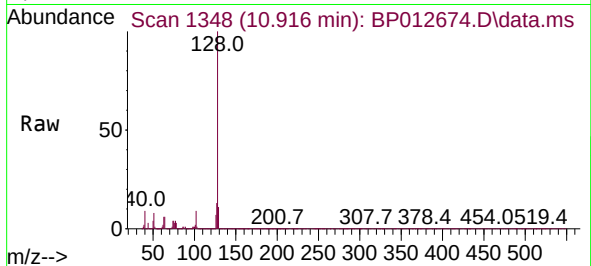
Tgt Ion:	180	Resp:	287147
Ion Ratio	Lower	Upper	
180	100		
182	96.1	76.1	114.1
145	27.6	23.0	34.4





#31
Naphthalene
Concen: 18.662 ng
RT: 10.916 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

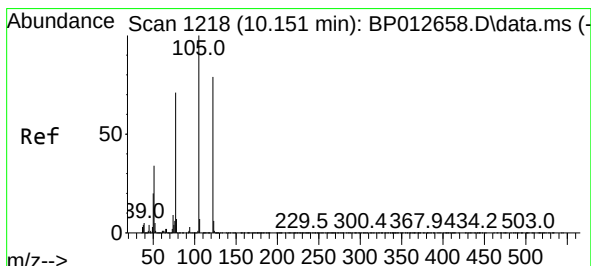
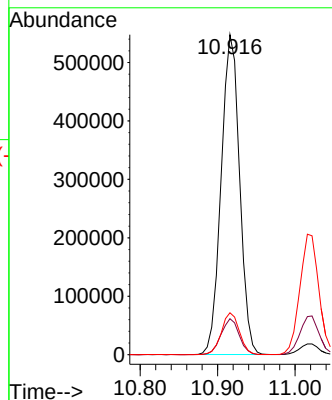
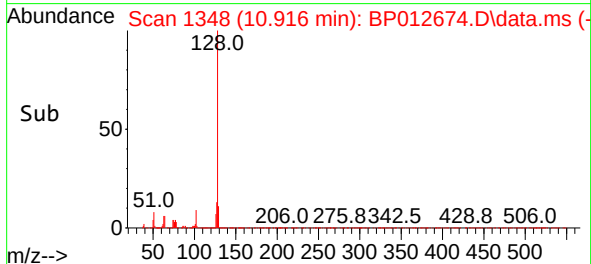
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 907269
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.1 10.5 15.7

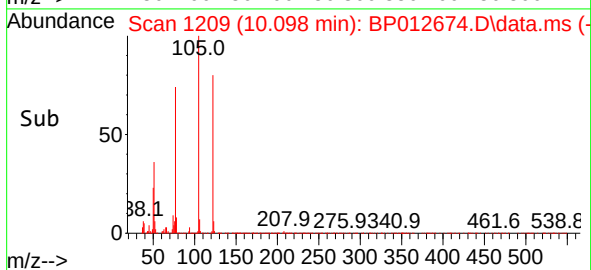
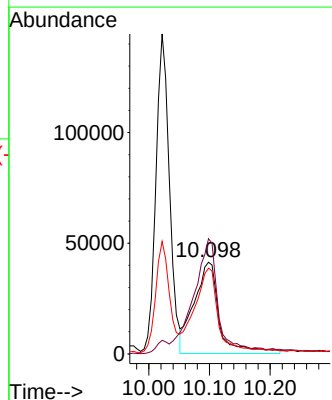
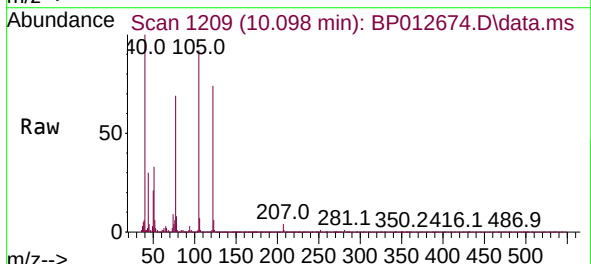
Manual Integrations
APPROVED

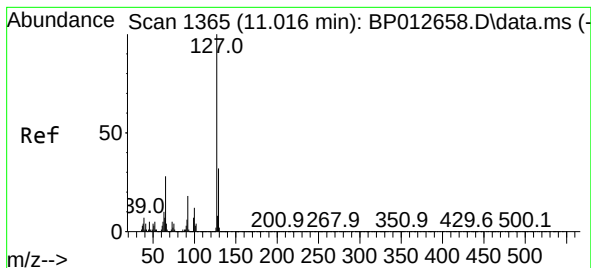
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 12.339 ng m
RT: 10.098 min Scan# 1209
Delta R.T. -0.053 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion:122 Resp: 120075
Ion Ratio Lower Upper
122 100
105 125.7 101.1 141.1
77 93.5 67.6 107.6





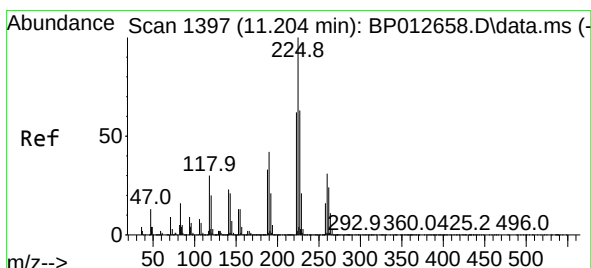
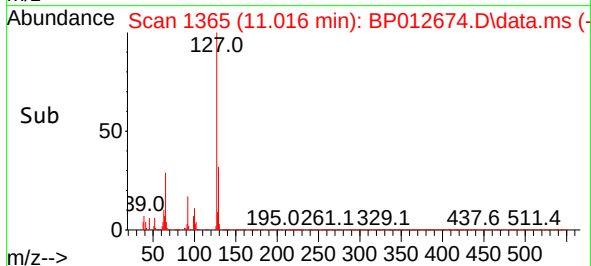
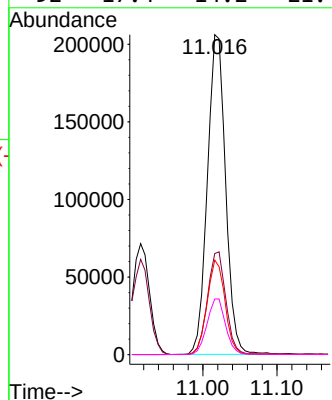
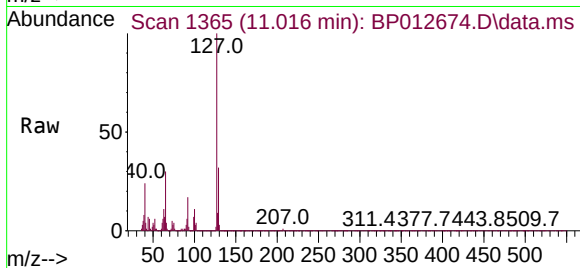
#33
4-Chloroaniline
Concen: 17.413 ng
RT: 11.016 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.4	38.0
65	29.5	22.6	33.8
92	17.4	14.2	21.4

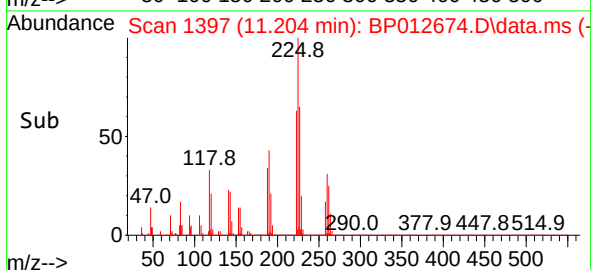
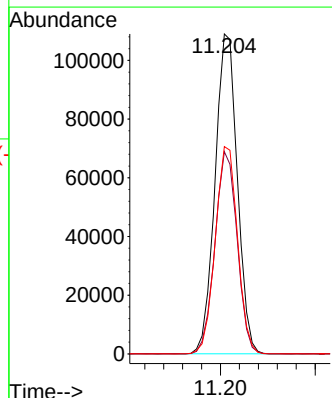
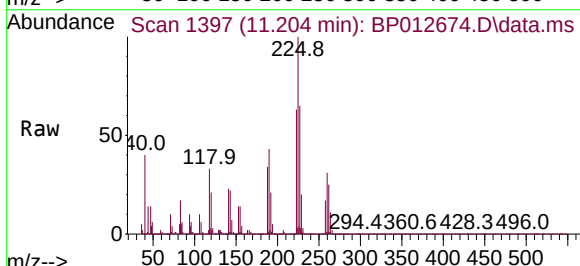
Manual Integrations
APPROVED

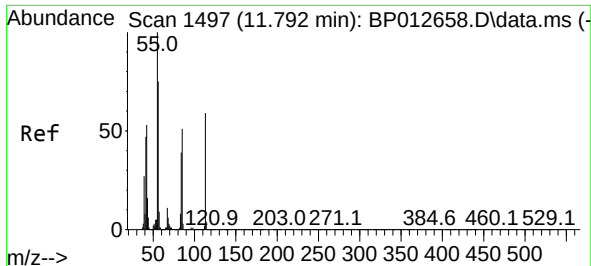
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 19.431 ng
RT: 11.204 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

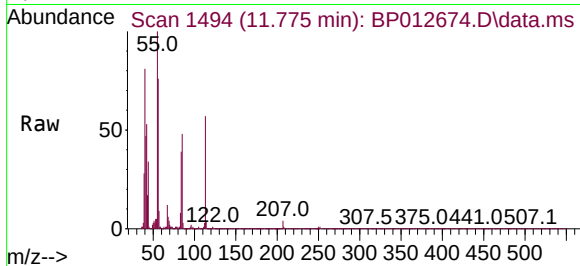
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.6	74.4
227	64.8	50.0	75.0





#35
Caprolactam
Concen: 15.139 ng
RT: 11.775 min Scan# 1494
Delta R.T. -0.018 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

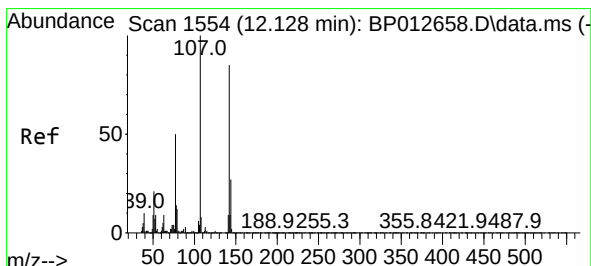
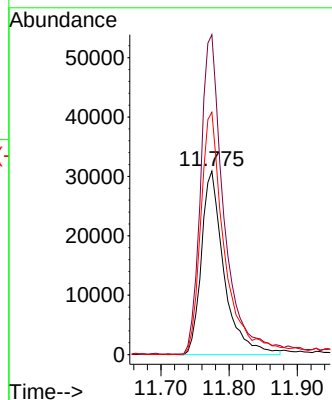
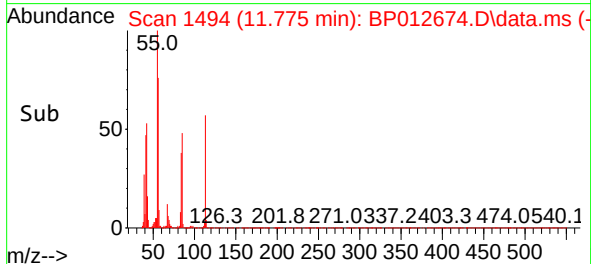
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:113 Resp: 7121
Ion Ratio Lower Upper
113 100
55 174.4 149.2 189.2
56 132.1 106.9 146.9

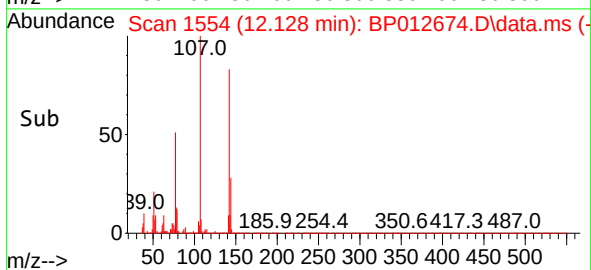
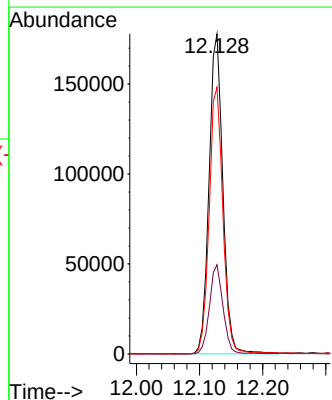
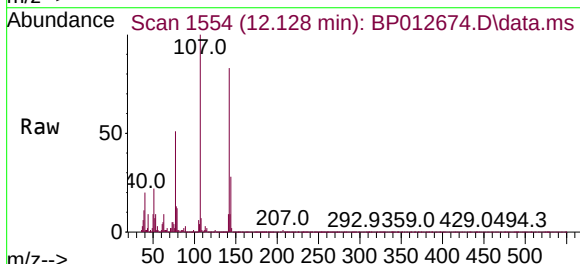
Manual Integrations
APPROVED

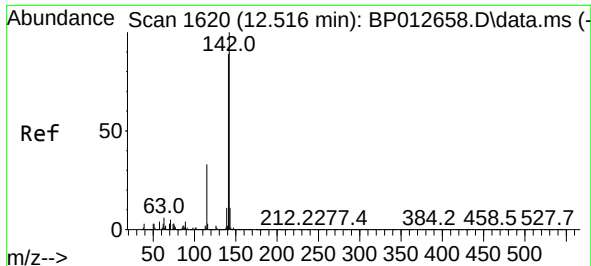
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#36
4-Chloro-3-methylphenol
Concen: 17.435 ng
RT: 12.128 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

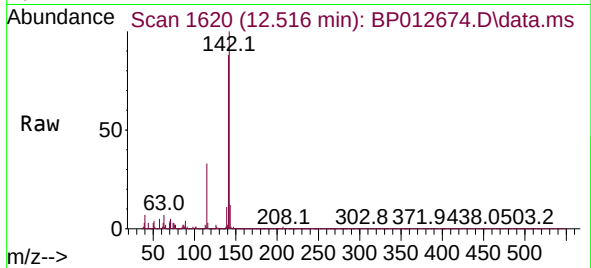
Tgt Ion:107 Resp: 270360
Ion Ratio Lower Upper
107 100
144 27.9 21.9 32.9
142 83.3 68.1 102.1





#37
2-Methylnaphthalene
Concen: 18.763 ng
RT: 12.516 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

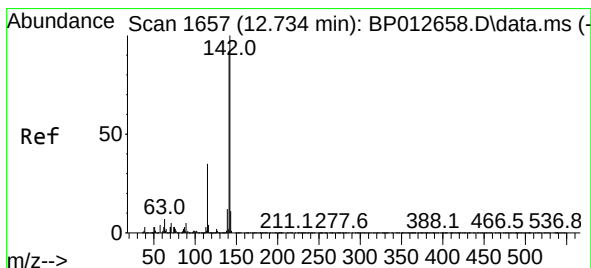
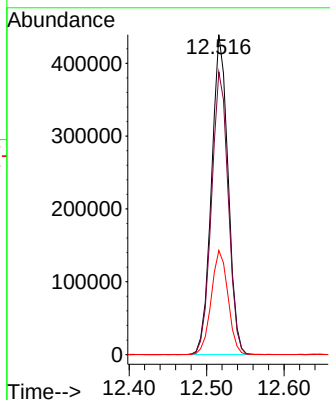
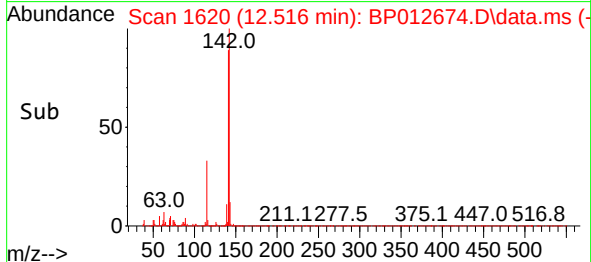
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



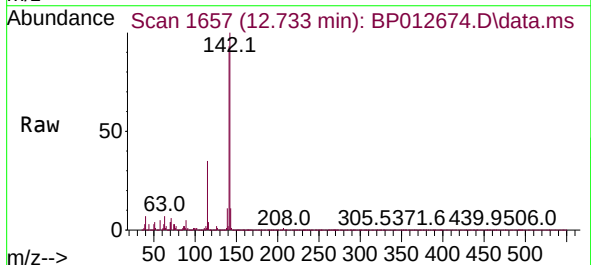
Tgt Ion:142 Resp: 652319
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.6
115 32.5 26.2 39.4

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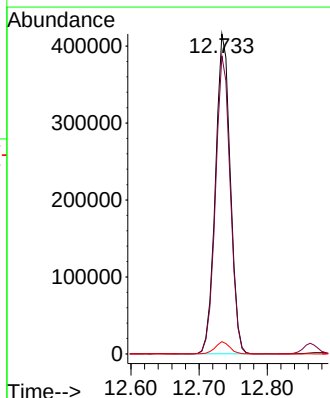
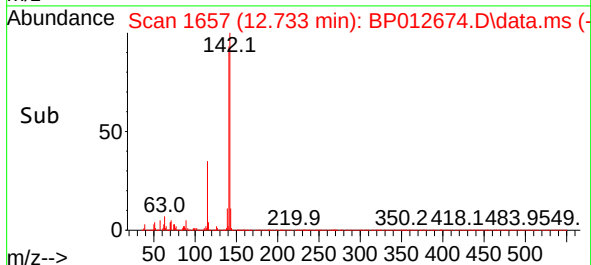
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

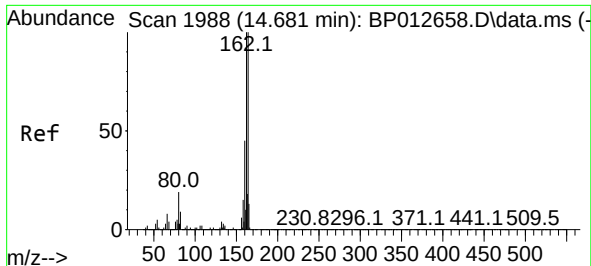


#38
1-Methylnaphthalene
Concen: 18.347 ng
RT: 12.733 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



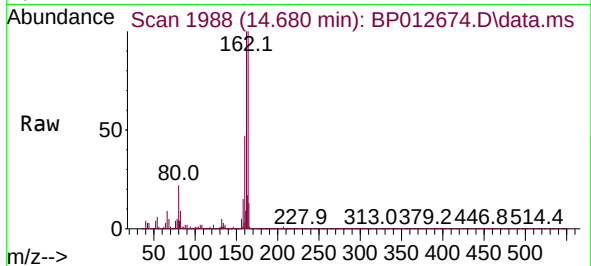
Tgt Ion:142 Resp: 626779
Ion Ratio Lower Upper
142 100
141 93.1 73.9 110.9
116 3.8 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.680 min Scan# 1988
Delta R.T. -0.001 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

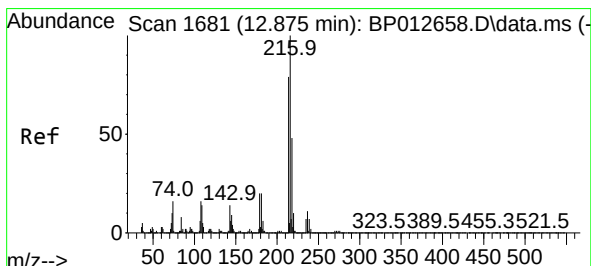
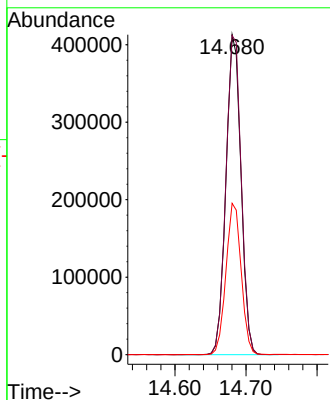
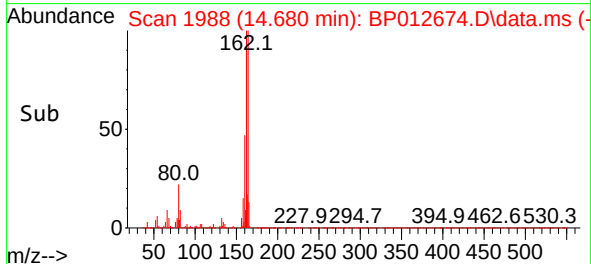
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:164 Resp: 606821
Ion Ratio Lower Upper
164 100
162 99.7 80.3 120.5
160 47.3 36.2 54.4

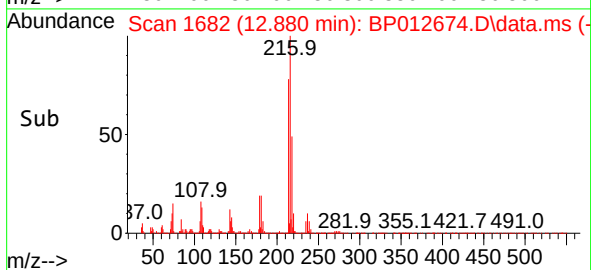
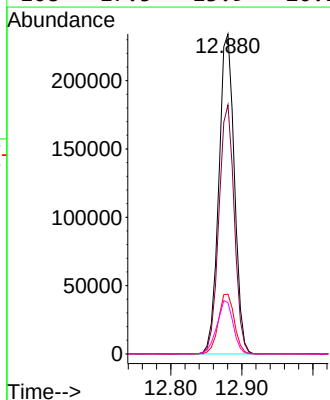
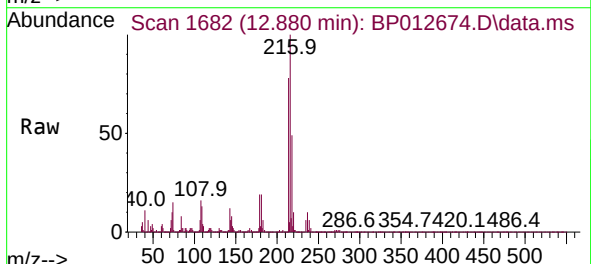
Manual Integrations
APPROVED

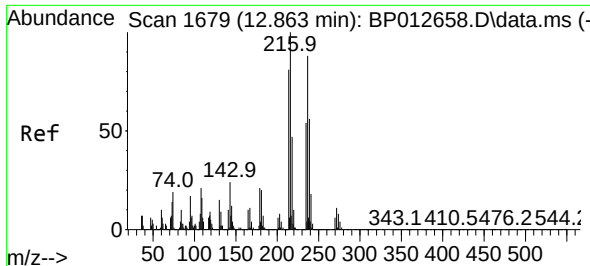
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.107 ng
RT: 12.880 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

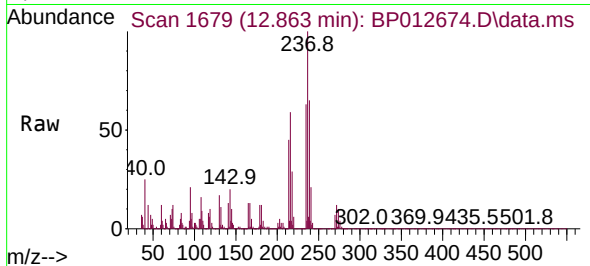
Tgt Ion:216 Resp: 355868
Ion Ratio Lower Upper
216 100
214 77.1 62.5 93.7
179 19.3 16.6 24.8
108 17.5 13.9 20.9





#41
Hexachlorocyclopentadiene
Concen: 23.510 ng
RT: 12.863 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

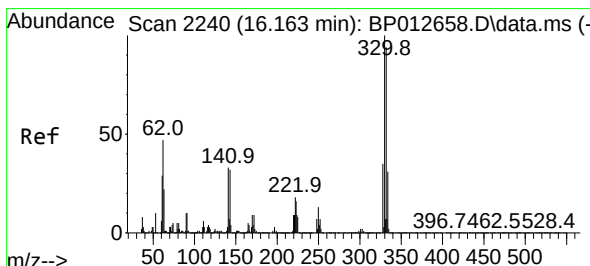
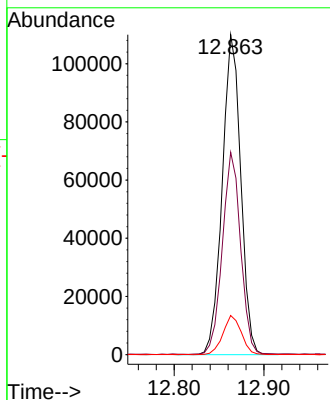
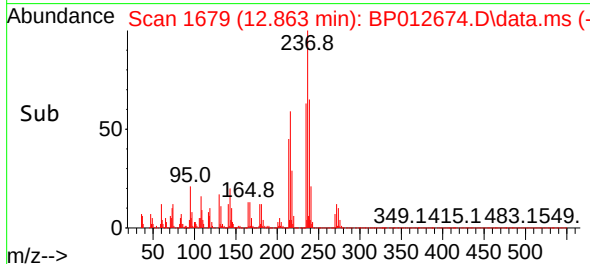
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



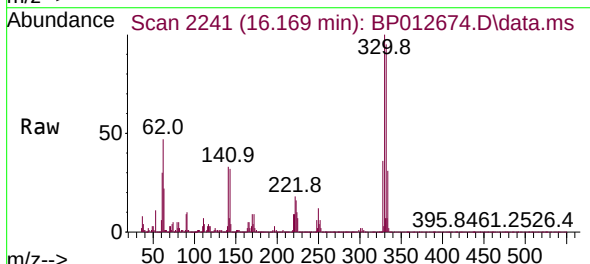
Tgt Ion: 237 Resp: 158262
Ion Ratio Lower Upper
237 100
235 63.2 41.7 81.7
272 12.2 0.0 32.7

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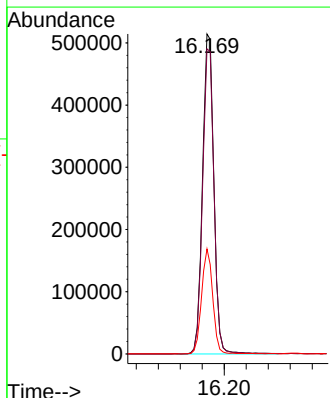
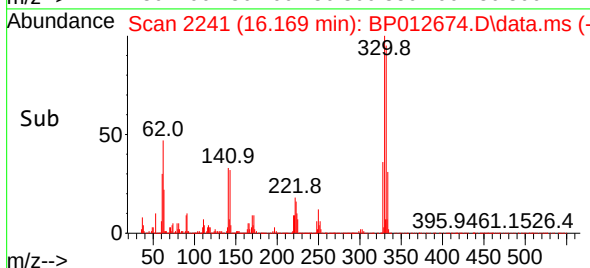
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

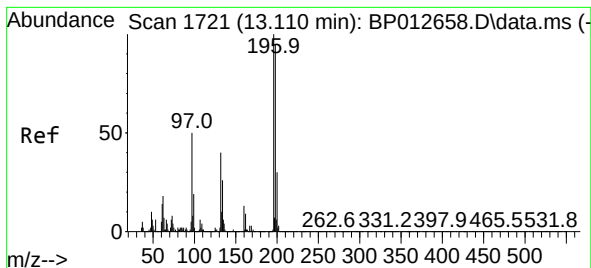


#42
2,4,6-Tribromophenol
Concen: 105.515 ng
RT: 16.169 min Scan# 2241
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



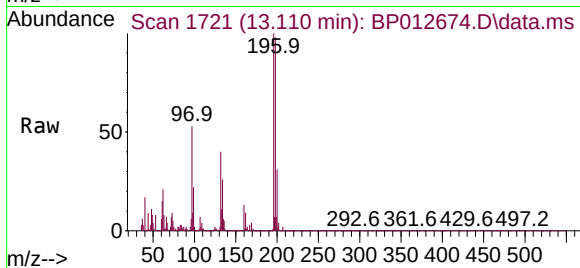
Tgt Ion: 330 Resp: 732739
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 32.3 26.7 40.1





#43
2,4,6-Trichlorophenol
Concen: 16.806 ng
RT: 13.110 min Scan# 1721
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

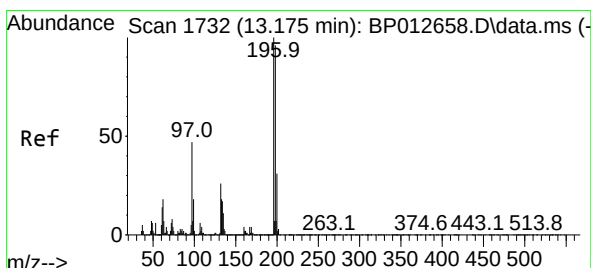
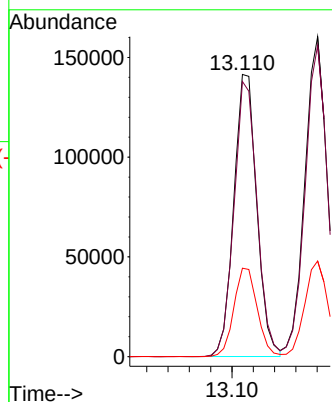
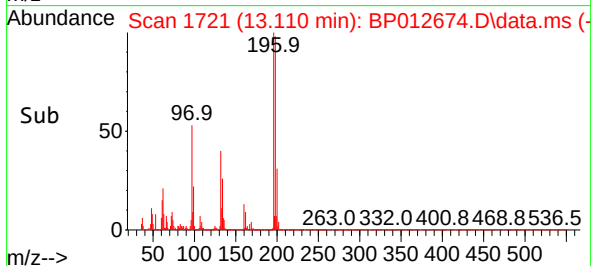
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



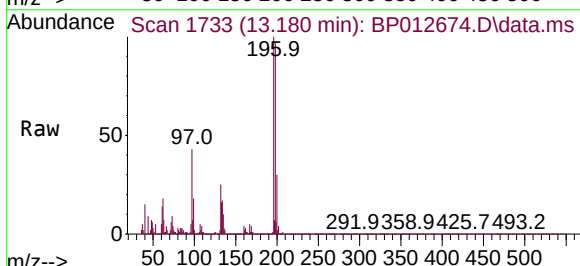
Tgt Ion:196 Resp: 211762
Ion Ratio Lower Upper
196 100
198 97.5 75.8 113.6
200 31.3 24.4 36.6

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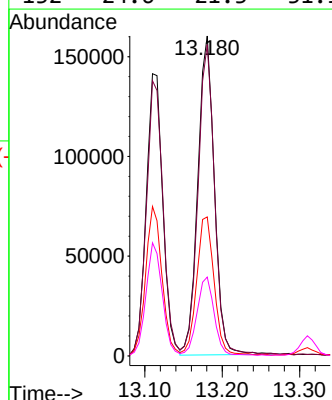
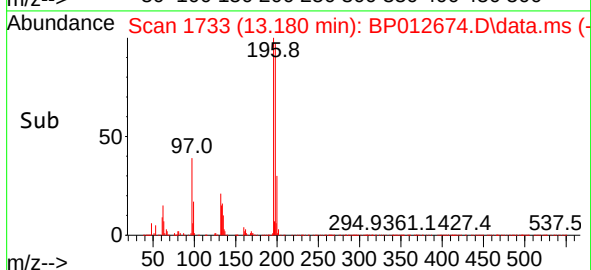
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

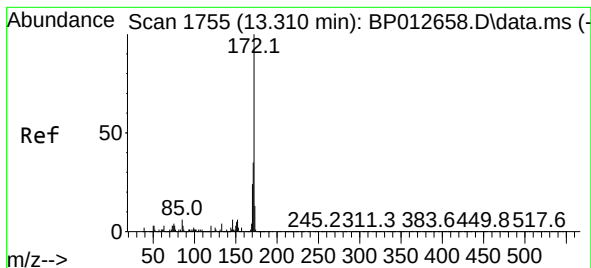


#44
2,4,5-Trichlorophenol
Concen: 17.114 ng
RT: 13.180 min Scan# 1733
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



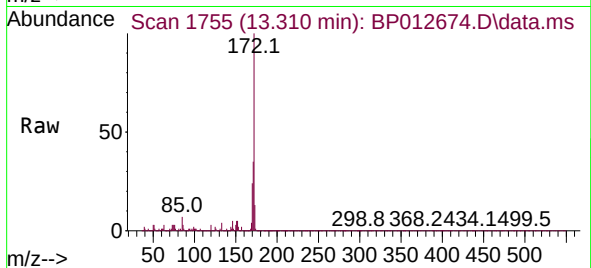
Tgt Ion:196 Resp: 238597
Ion Ratio Lower Upper
196 100
198 97.3 76.4 114.6
97 43.4 37.5 56.3
132 24.6 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 76.845 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

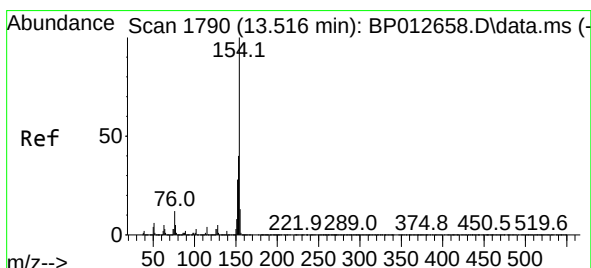
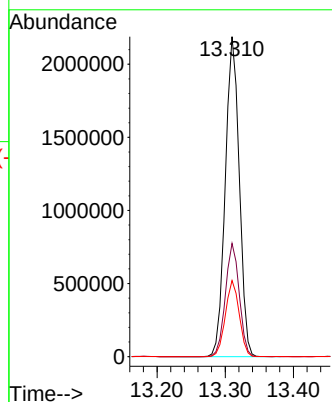
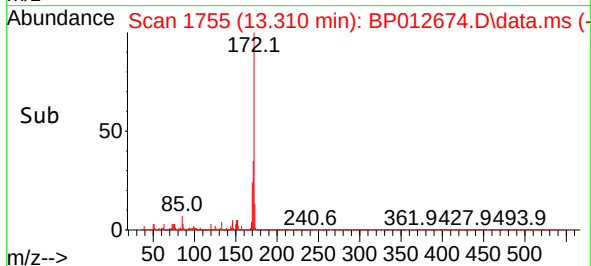
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



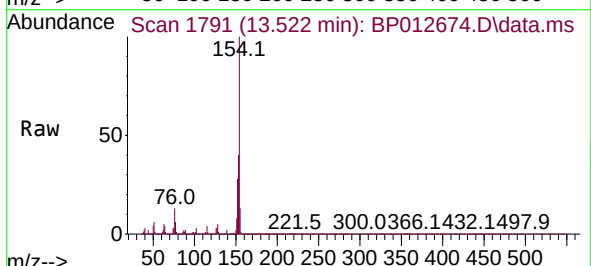
Tgt Ion:172 Resp: 3099115
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.8 19.3 28.9

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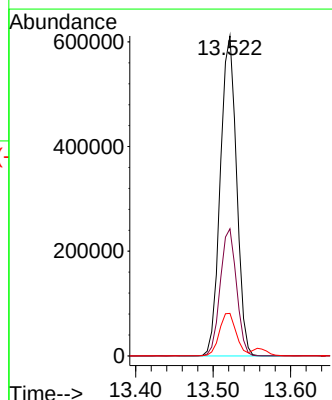
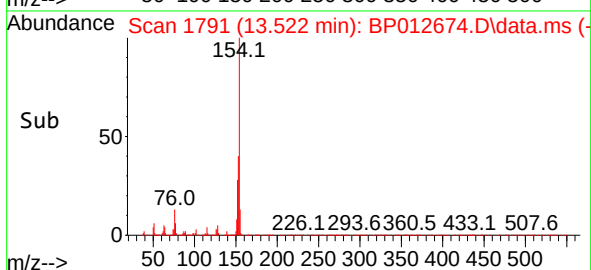
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

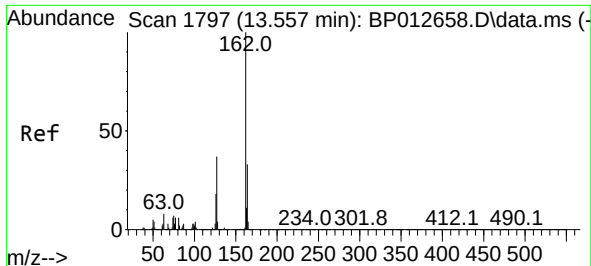


#46
1,1'-Biphenyl
Concen: 19.661 ng
RT: 13.522 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



Tgt Ion:154 Resp: 892163
Ion Ratio Lower Upper
154 100
153 39.7 19.6 59.6
76 13.3 0.0 32.4





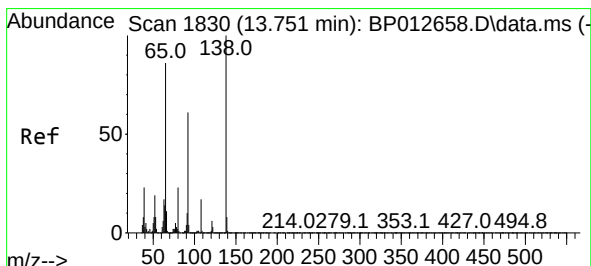
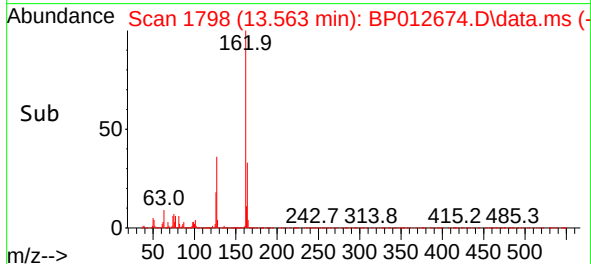
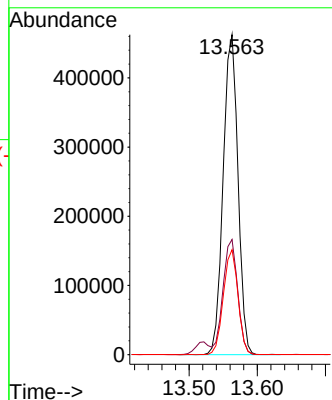
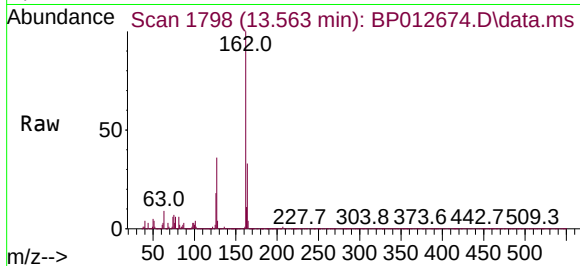
#47
2-Chloronaphthalene
Concen: 19.218 ng
RT: 13.563 min Scan# 1797
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion:162 Resp: 692470
Ion Ratio Lower Upper
162 100
127 36.0 29.4 44.2
164 32.8 26.4 39.6

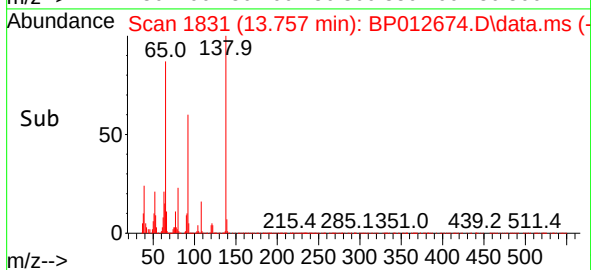
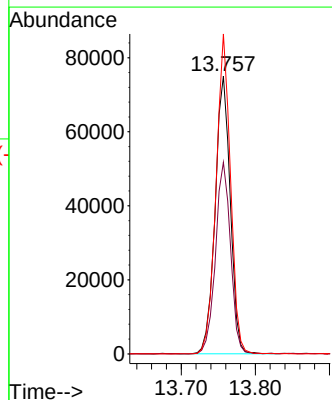
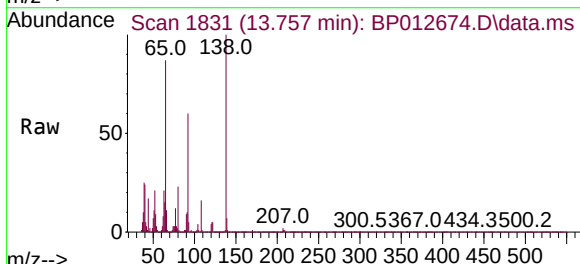
Manual Integrations
APPROVED

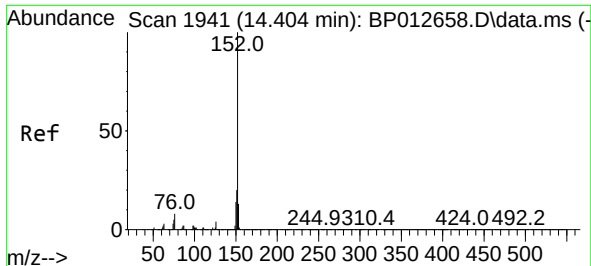
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 14.731 ng
RT: 13.757 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

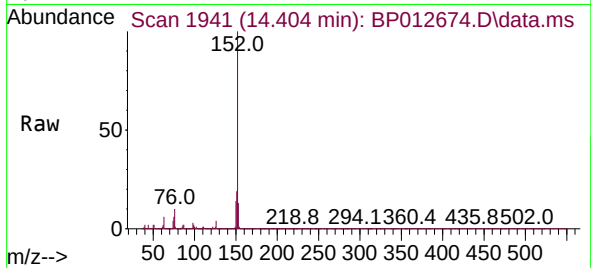
Tgt Ion: 65 Resp: 106222
Ion Ratio Lower Upper
65 100
92 69.0 56.7 85.1
138 115.2 92.7 139.1





#49
Acenaphthylene
Concen: 18.467 ng
RT: 14.404 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

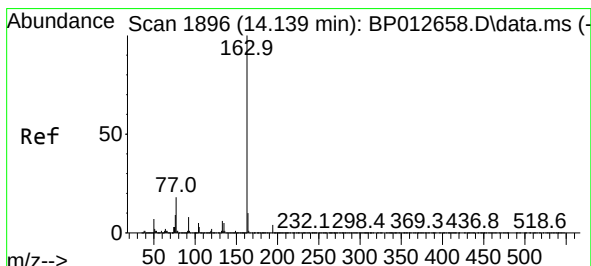
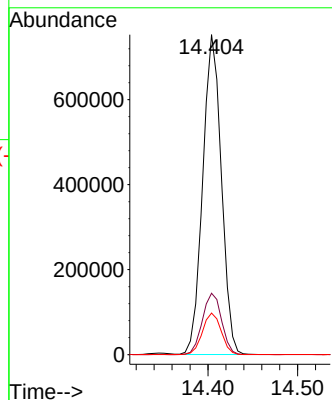
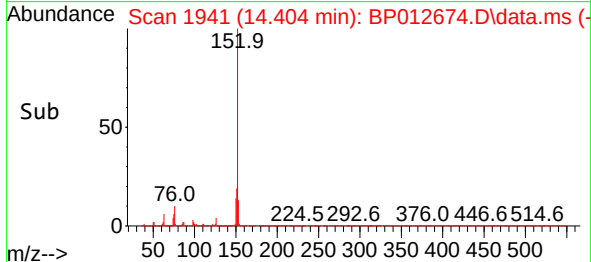
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2022



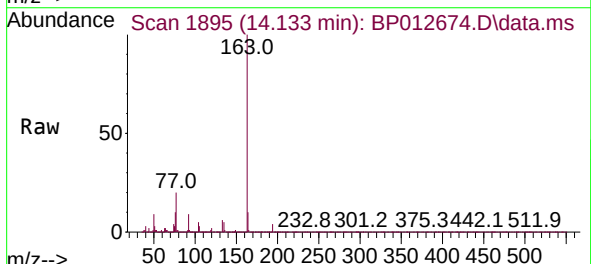
Tgt Ion:152 Resp: 1085972
Ion Ratio Lower Upper
152 100
151 19.2 16.1 24.1
153 13.0 10.6 15.8

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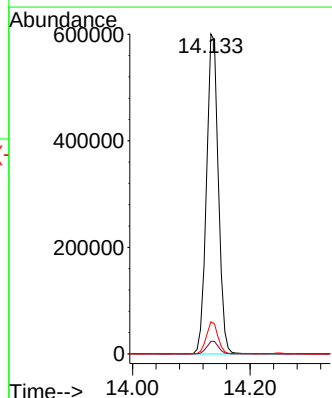
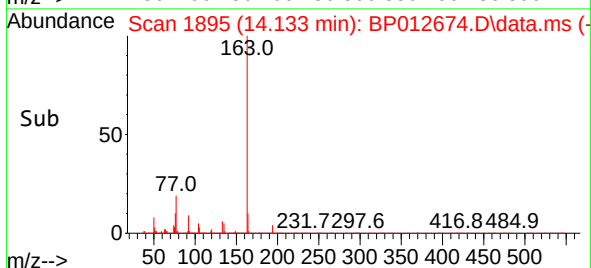
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

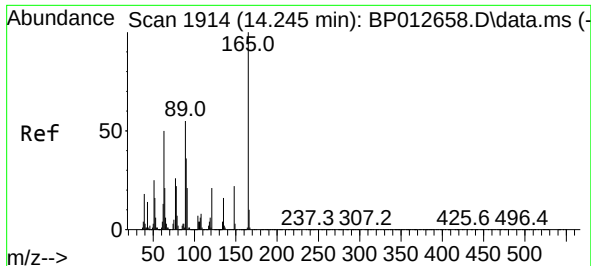


#50
Dimethylphthalate
Concen: 17.562 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



Tgt Ion:163 Resp: 839425
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.0 8.2 12.4





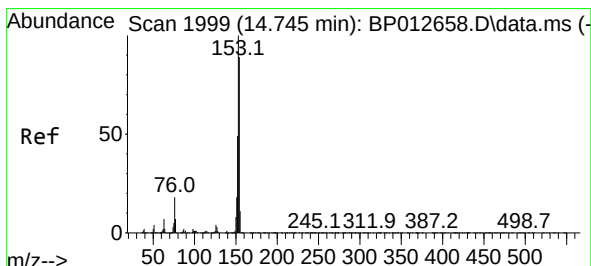
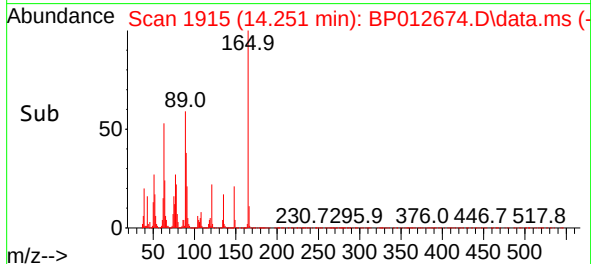
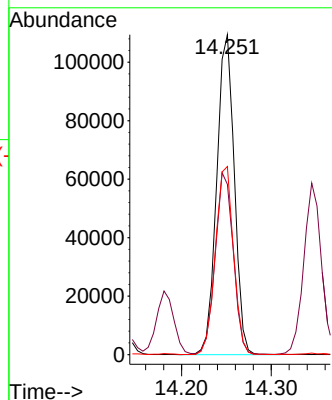
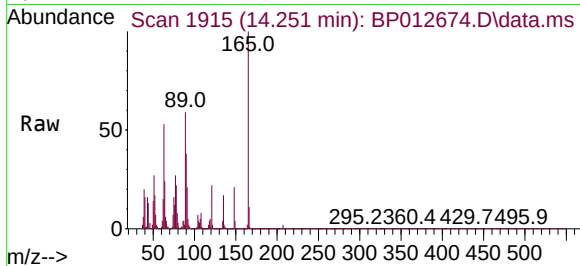
#51
2,6-Dinitrotoluene
Concen: 17.794 ng
RT: 14.251 min Scan# 1914
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion:165 Resp: 149145
Ion Ratio Lower Upper
165 100
63 53.2 42.6 63.8
89 58.8 44.0 66.0

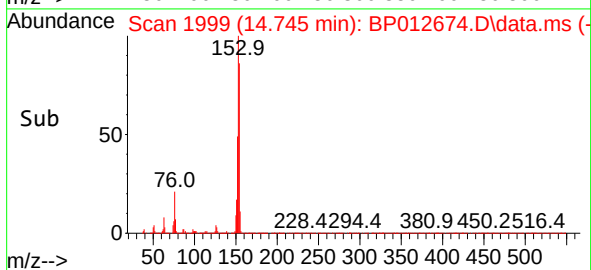
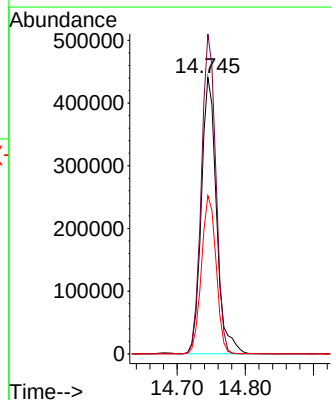
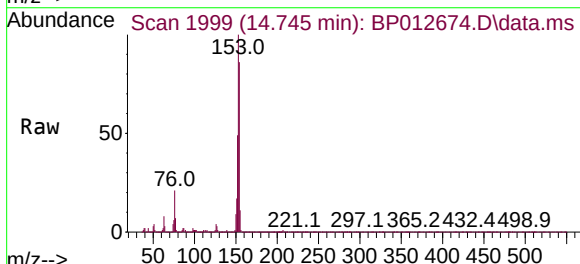
Manual Integrations
APPROVED

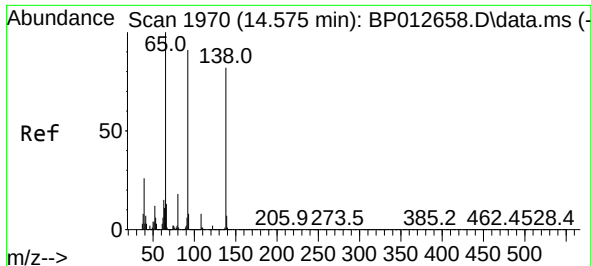
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#52
Acenaphthene
Concen: 18.157 ng
RT: 14.745 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

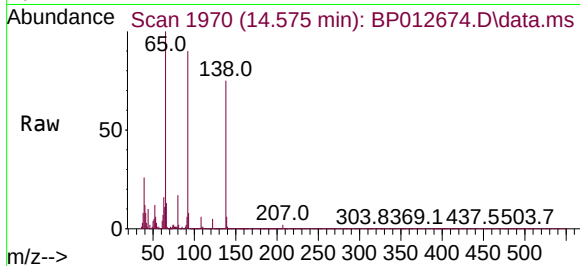
Tgt Ion:154 Resp: 681448
Ion Ratio Lower Upper
154 100
153 115.8 90.2 135.2
152 57.2 43.9 65.9





#53
3-Nitroaniline
Concen: 15.310 ng
RT: 14.575 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

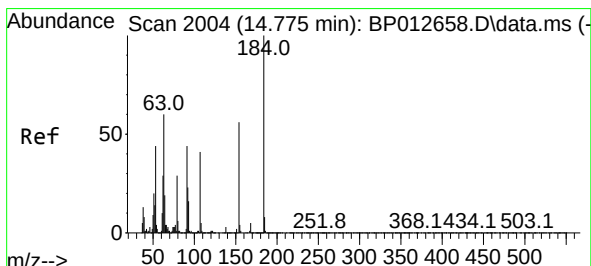
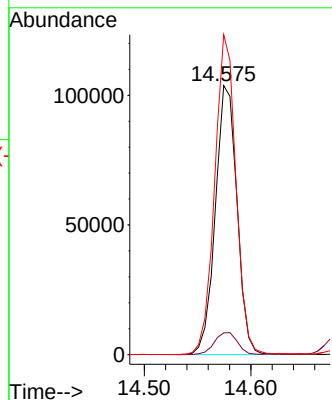
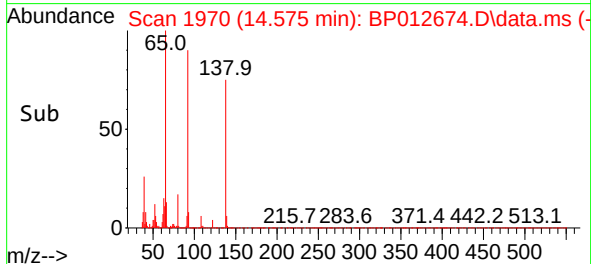
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:138 Resp: 146953
Ion Ratio Lower Upper
138 100
108 8.1 8.2 12.2
92 119.0 89.1 133.7

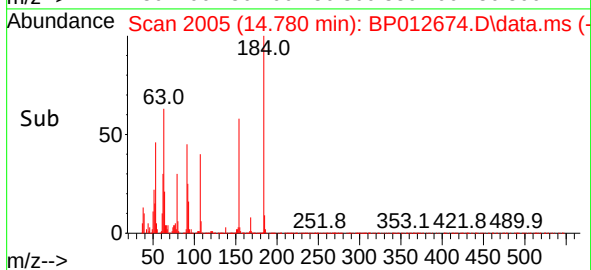
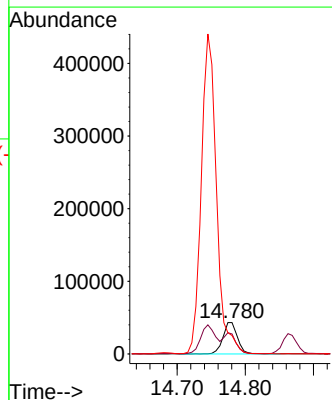
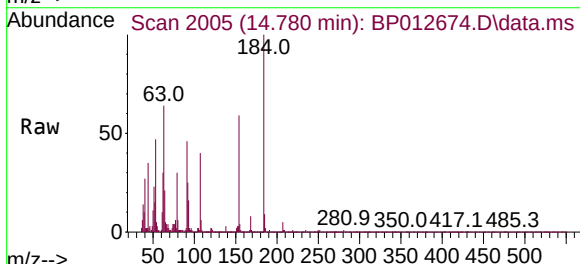
Manual Integrations
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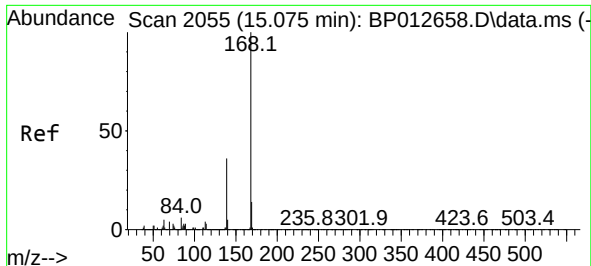
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 13.496 ng
RT: 14.780 min Scan# 2005
Delta R.T. 0.005 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

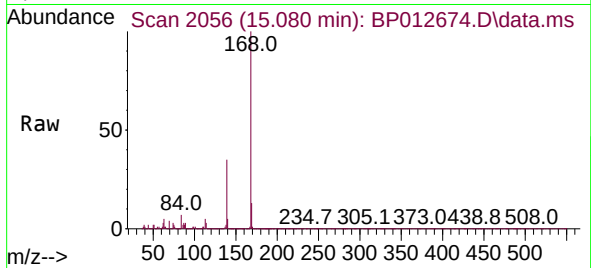
Tgt Ion:184 Resp: 62813
Ion Ratio Lower Upper
184 100
63 63.8 48.0 72.0
154 58.6 47.1 70.7





#55
Dibenzofuran
Concen: 19.187 ng
RT: 15.080 min Scan# 2055
Delta R.T. 0.005 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

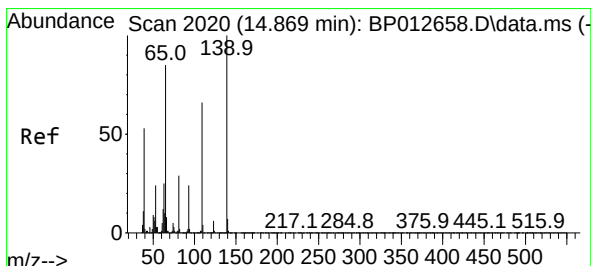
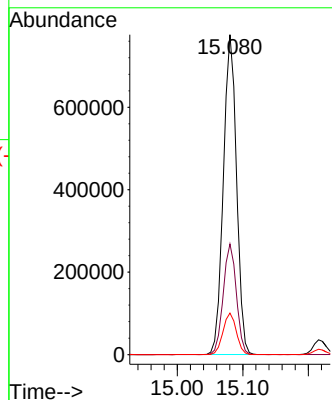
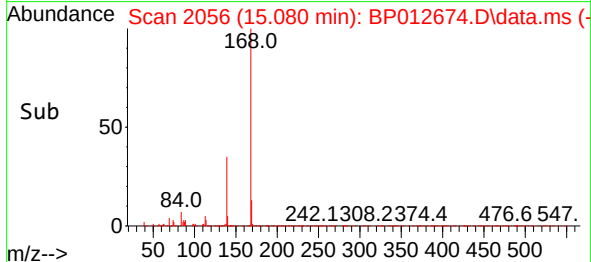
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:168 Resp: 1087064
Ion Ratio Lower Upper
168 100
139 34.6 29.0 43.6
169 13.0 11.0 16.4

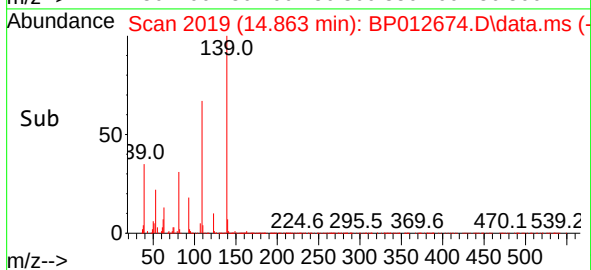
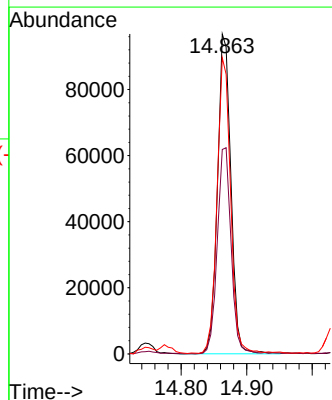
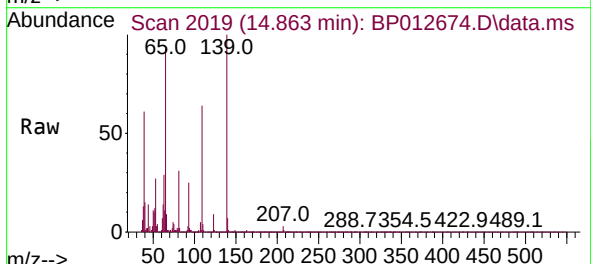
Manual Integrations
APPROVED

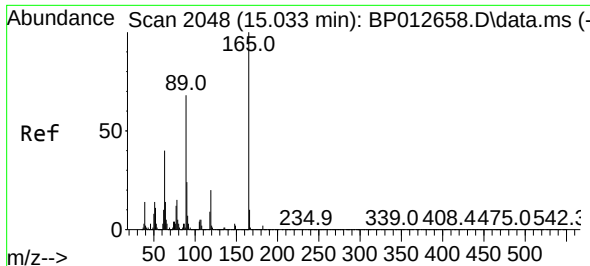
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#56
4-Nitrophenol
Concen: 15.329 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion:139 Resp: 137732
Ion Ratio Lower Upper
139 100
109 63.9 45.7 85.7
65 92.5 65.4 105.4





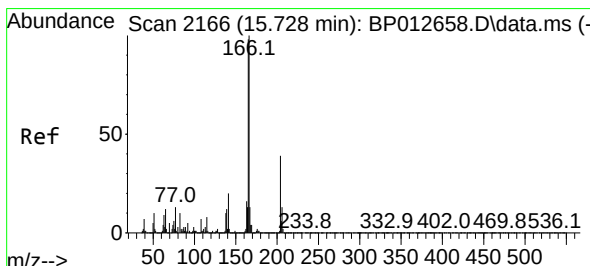
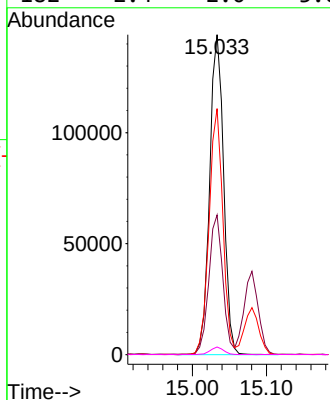
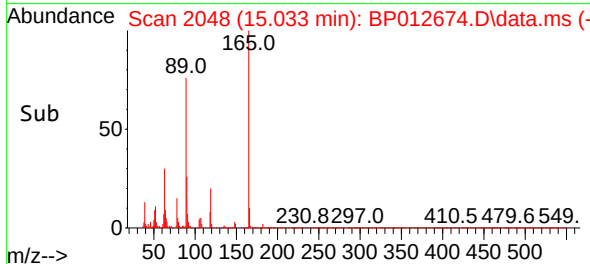
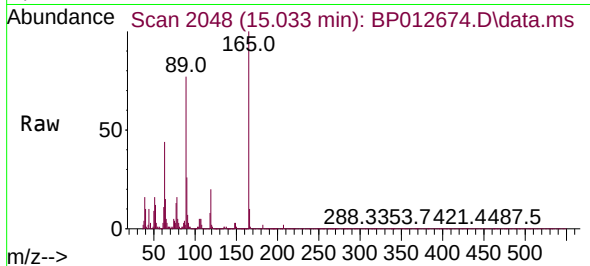
#57
2,4-Dinitrotoluene
Concen: 16.975 ng
RT: 15.033 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion:	165	Resp:	189259
Ion Ratio	Lower	Upper	
165	100		
63	43.6	32.0	48.0
89	76.9	54.1	81.1
182	2.4	2.0	3.0

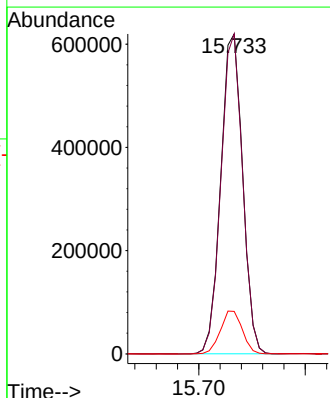
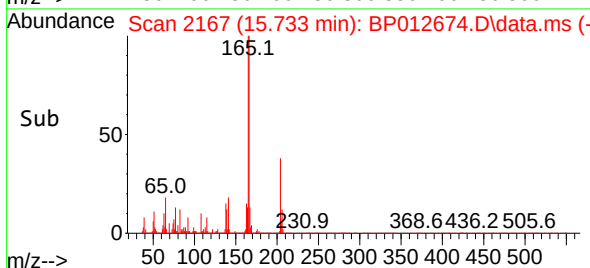
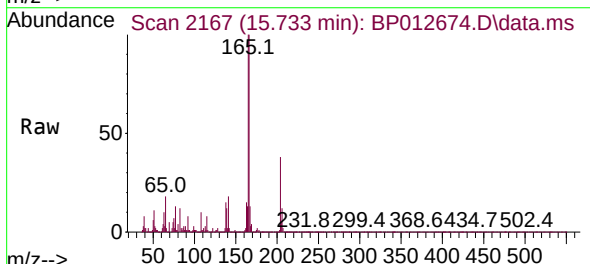
Manual Integrations
APPROVED

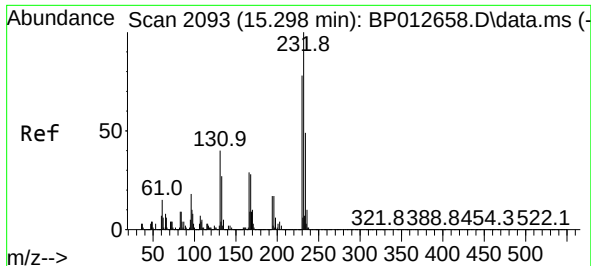
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 19.839 ng
RT: 15.733 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

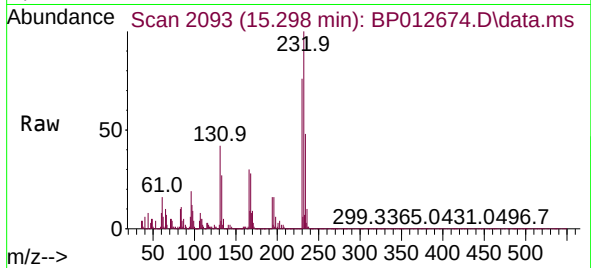
Tgt Ion:	166	Resp:	884658
Ion Ratio	Lower	Upper	
166	100		
165	100.0	78.8	118.2
167	13.3	10.8	16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 16.857 ng
RT: 15.298 min Scan# 2093
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

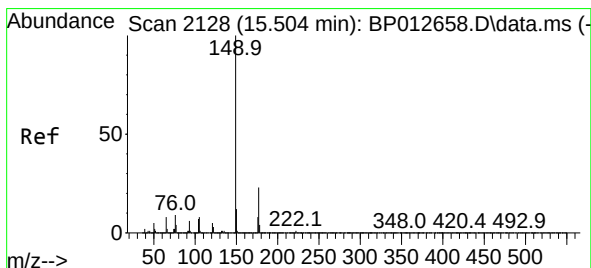
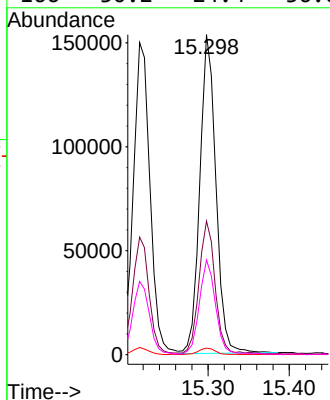
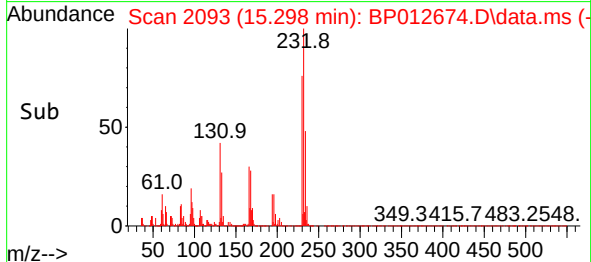
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 211566
Ion Ratio Lower Upper
232 100
131 41.8 34.3 51.5
130 2.1 1.8 2.6
166 30.2 24.4 36.6

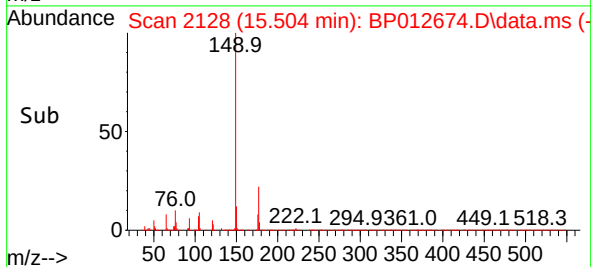
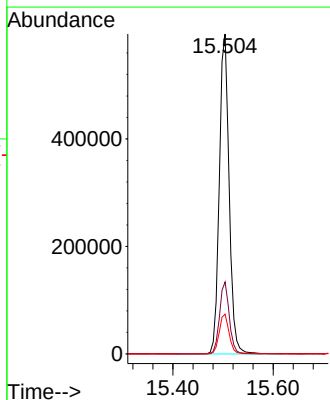
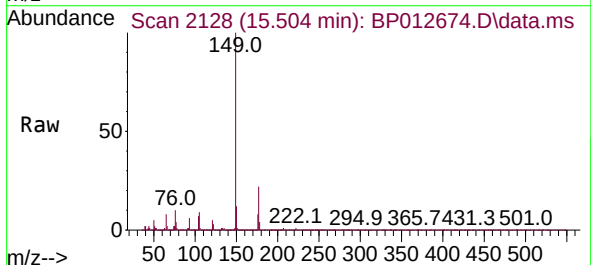
Manual Integrations
APPROVED

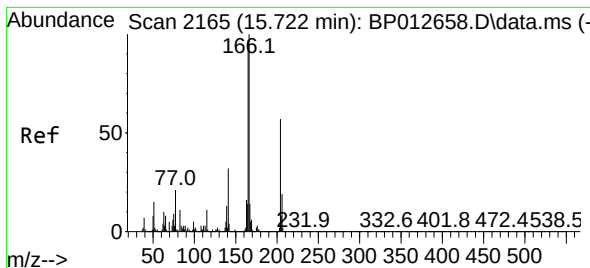
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 17.168 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

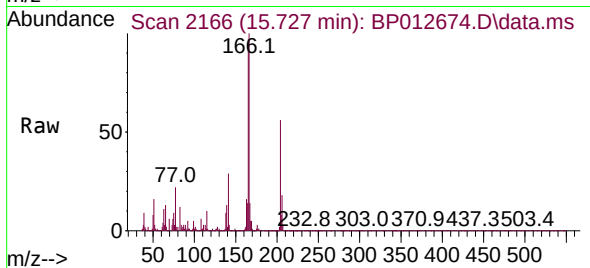
Tgt Ion:149 Resp: 807216
Ion Ratio Lower Upper
149 100
177 22.5 18.2 27.4
150 12.4 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 20.503 ng
RT: 15.727 min Scan# 2165
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

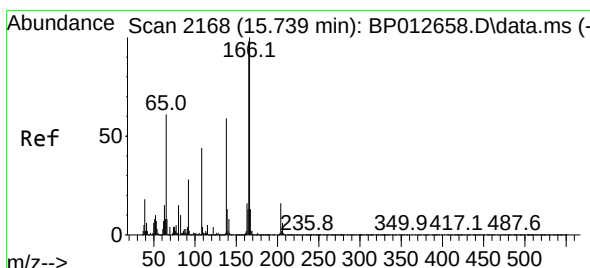
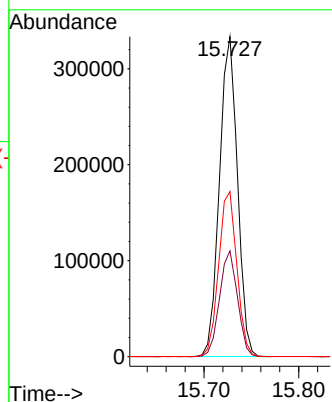
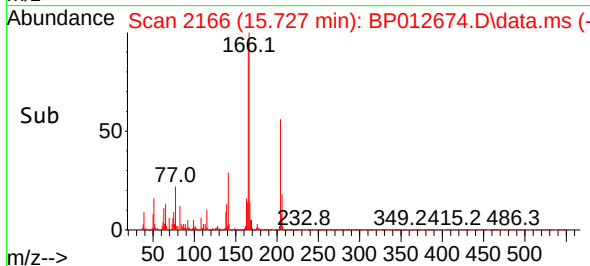
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



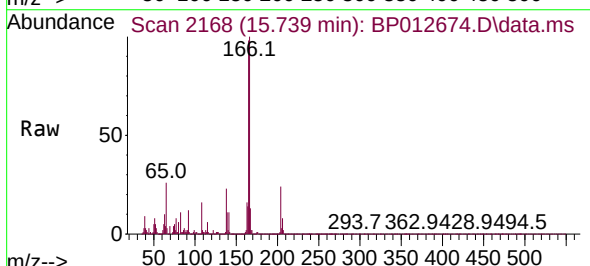
Tgt Ion: 204 Resp: 439475
Ion Ratio Lower Upper
204 100
206 33.0 26.9 40.3
141 51.6 44.3 66.5

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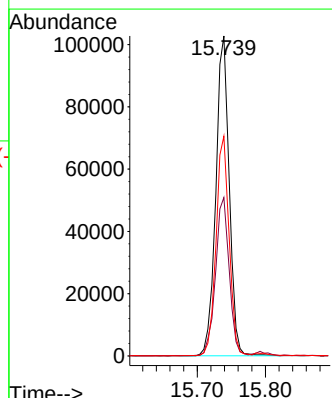
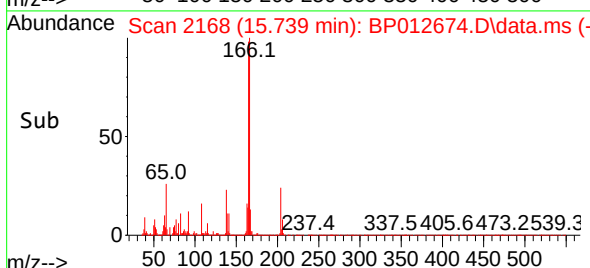
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

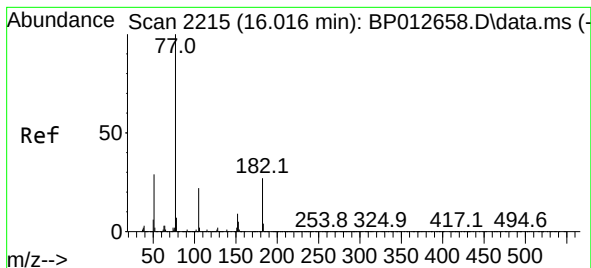


#62
4-Nitroaniline
Concen: 14.895 ng
RT: 15.739 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



Tgt Ion: 138 Resp: 139867
Ion Ratio Lower Upper
138 100
92 49.5 28.2 68.2
108 68.6 53.7 93.7





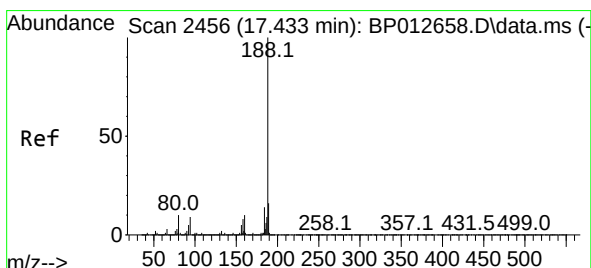
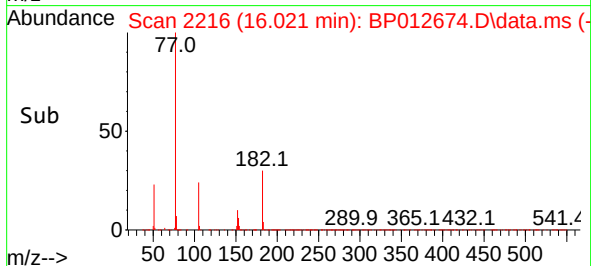
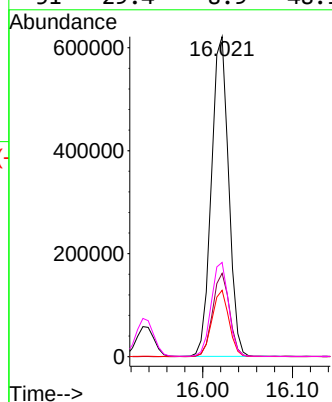
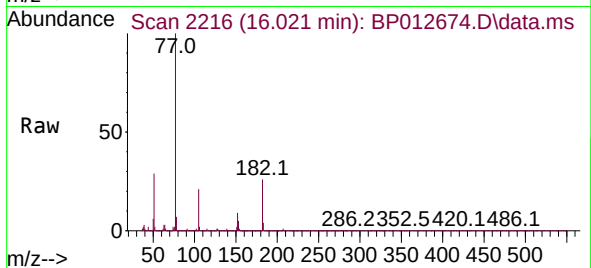
#63
Azobenzene
Concen: 19.391 ng
RT: 16.021 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion: 77 Resp: 83298
Ion Ratio Lower Upper
77 100
182 26.0 7.1 47.1
105 20.7 1.9 41.9
51 29.4 8.9 48.9

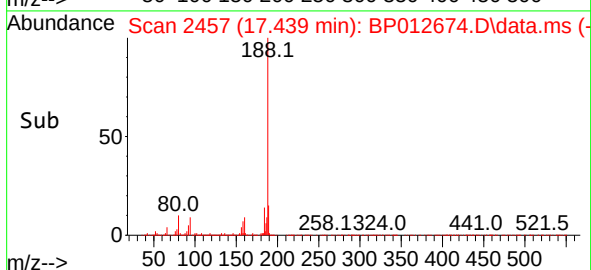
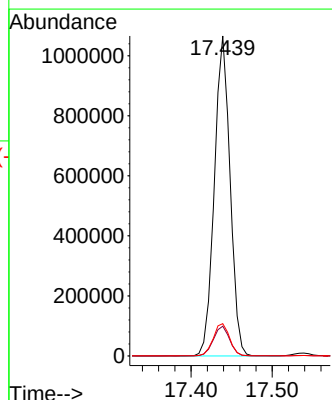
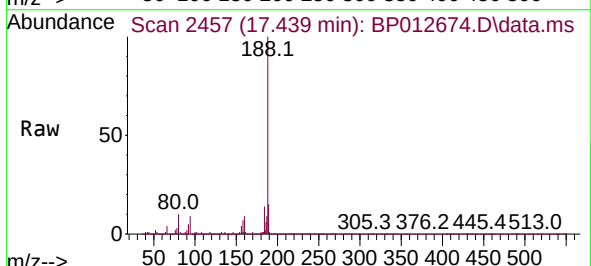
Manual Integrations
APPROVED

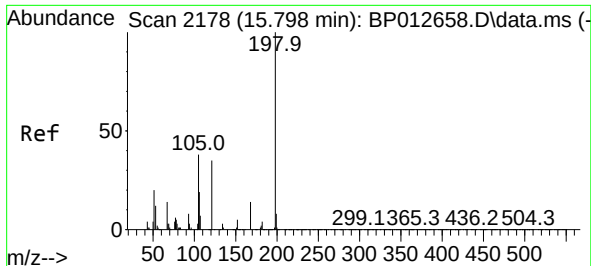
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.439 min Scan# 2457
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion:188 Resp: 1433711
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 10.1 8.2 12.2





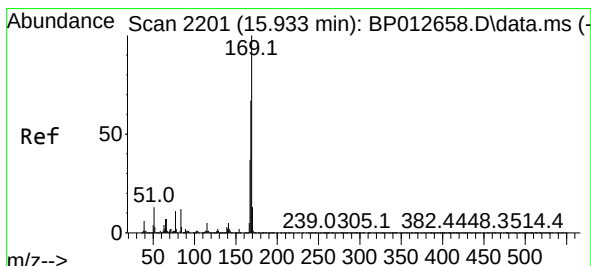
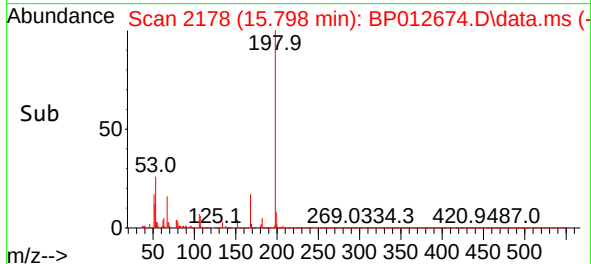
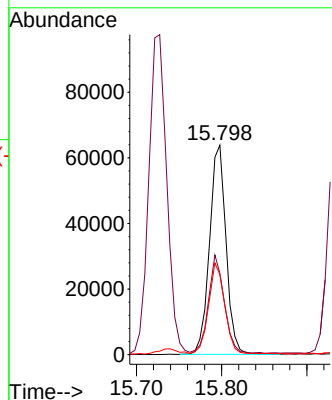
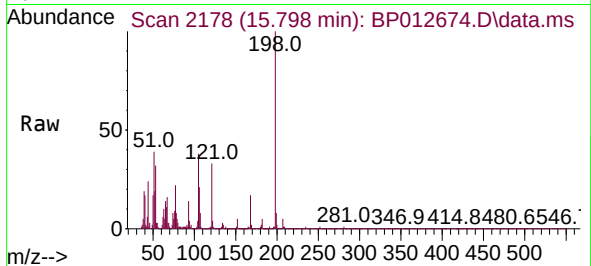
#65
4,6-Dinitro-2-methylphenol
Concen: 12.214 ng
RT: 15.798 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion:198 Resp: 85995
Ion Ratio Lower Upper
198 100
51 38.8 18.2 58.2
105 38.2 19.6 59.6

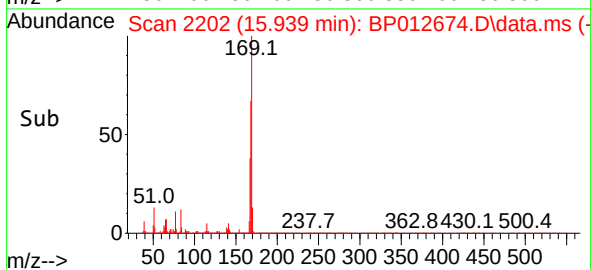
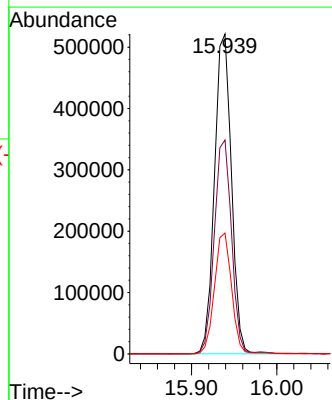
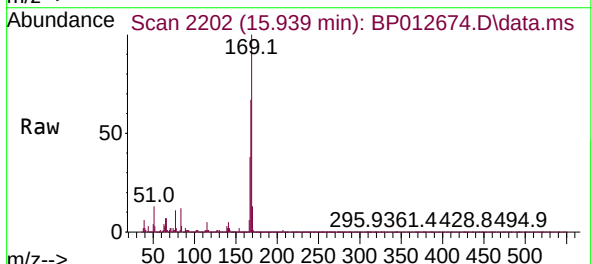
Manual Integrations
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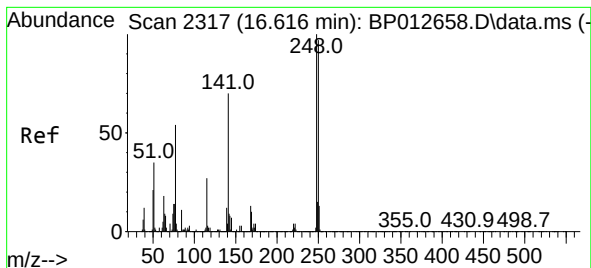
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 16.857 ng
RT: 15.939 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

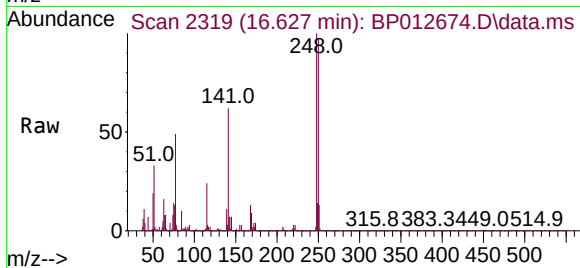
Tgt Ion:169 Resp: 720252
Ion Ratio Lower Upper
169 100
168 66.8 53.5 80.3
167 37.8 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 16.497 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.012 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

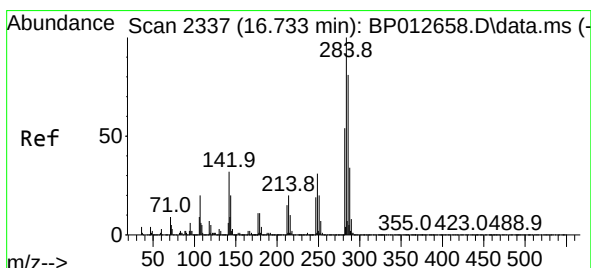
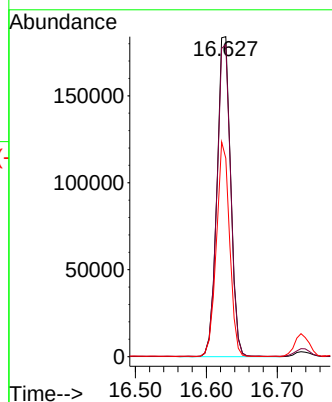
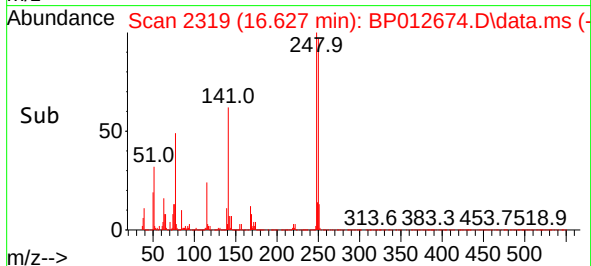
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:248 Resp: 247318
Ion Ratio Lower Upper
248 100
250 97.4 77.4 116.2
141 62.0 55.6 83.4

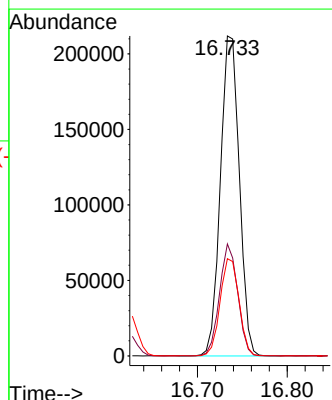
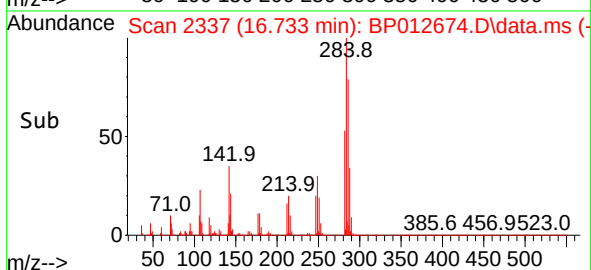
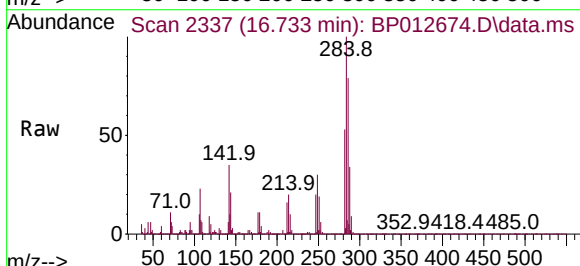
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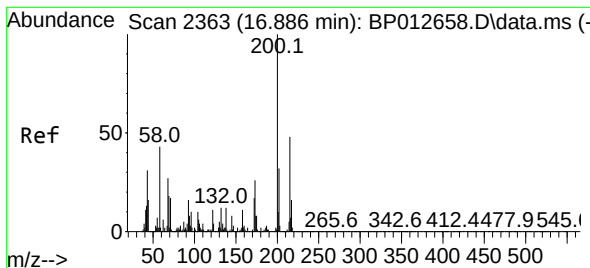
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 17.895 ng
RT: 16.733 min Scan# 2337
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion:284 Resp: 311121
Ion Ratio Lower Upper
284 100
142 35.0 25.8 38.6
249 30.4 25.0 37.4





#69

Atrazine

Concen: 18.037 ng

RT: 16.892 min Scan# 2364

Delta R.T. 0.006 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

Instrument :

BNA_P

ClientSampleId :

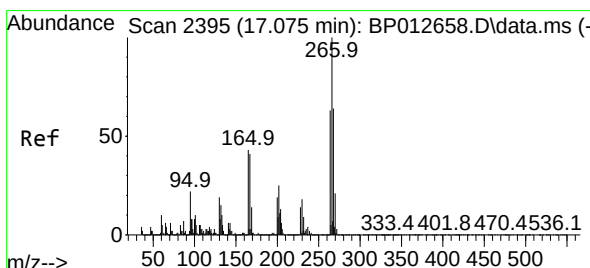
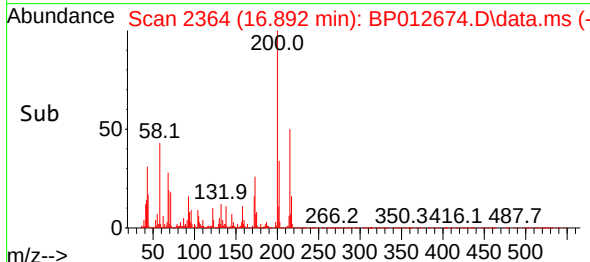
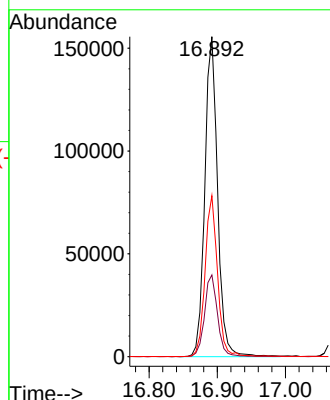
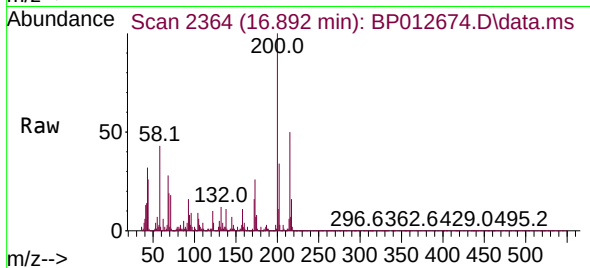
LOQ-SOIL-02-QT4-2022

Tgt Ion:200 Resp: 203068
 Ion Ratio Lower Upper
 200 100
 173 25.5 6.2 46.2
 215 50.3 28.4 68.4

Manual Integrations

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 Supervised By :Jagrut Upadhyay 11/21/2022



#70

Pentachlorophenol

Concen: 15.656 ng

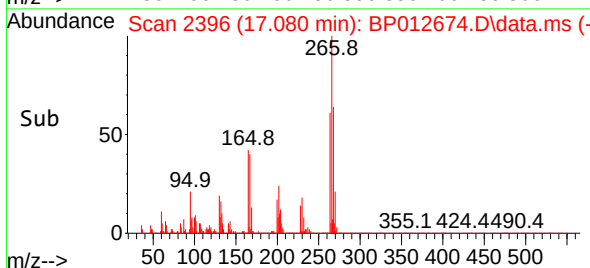
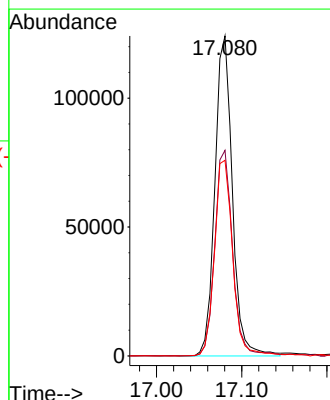
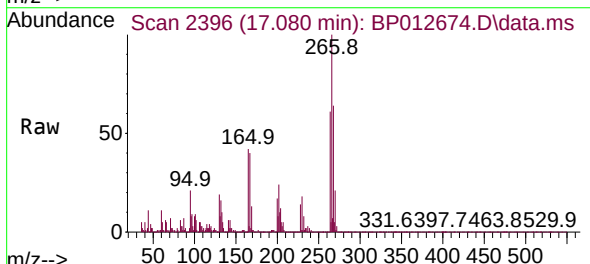
RT: 17.080 min Scan# 2396

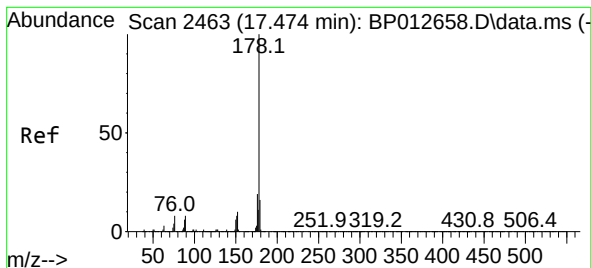
Delta R.T. 0.006 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

Tgt Ion:266 Resp: 176667
 Ion Ratio Lower Upper
 266 100
 268 64.2 51.4 77.0
 264 61.1 50.6 75.8





#71

Phenanthrene

Concen: 17.522 ng

RT: 17.480 min Scan# 2463

Delta R.T. 0.006 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:178 Resp: 1424948

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

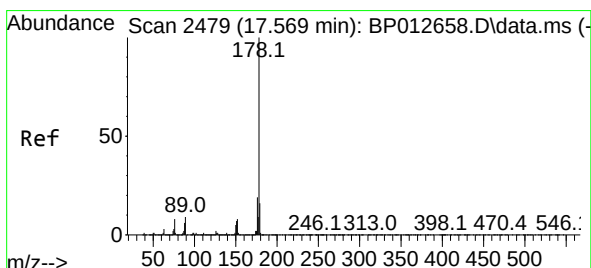
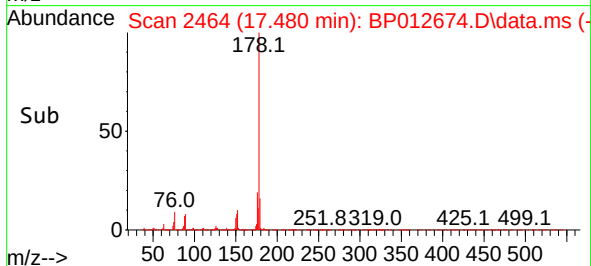
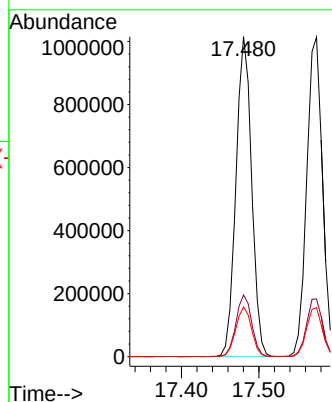
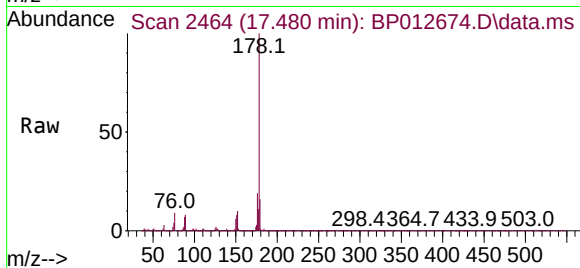
179 15.5 12.5 18.7

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Supervised By :Jagrut Upadhyay 11/21/2022



#72

Anthracene

Concen: 18.172 ng

RT: 17.574 min Scan# 2480

Delta R.T. 0.005 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

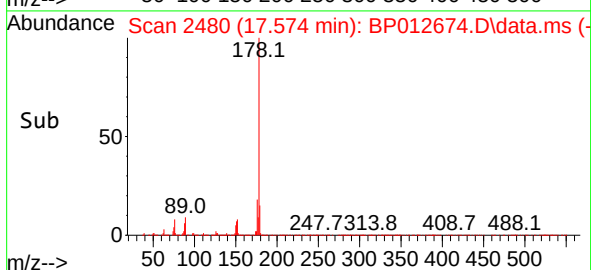
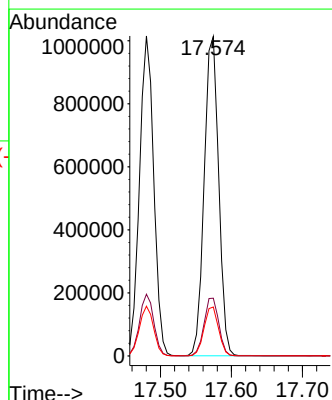
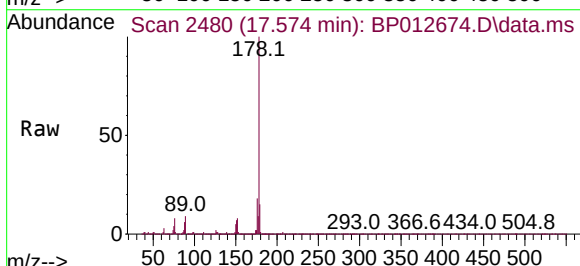
Tgt Ion:178 Resp: 1425745

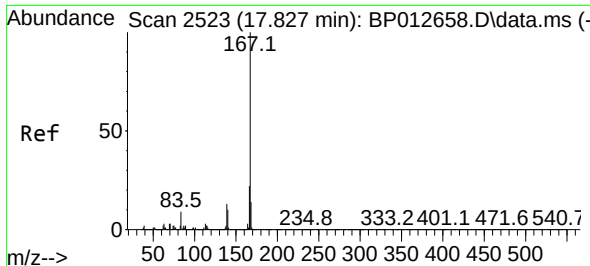
Ion Ratio Lower Upper

178 100

176 18.0 15.3 22.9

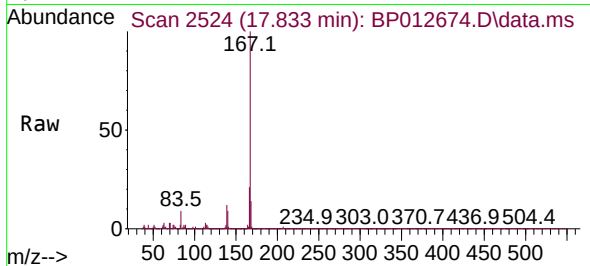
179 15.3 12.8 19.2





#73
 Carbazole
 Concen: 17.737 ng
 RT: 17.833 min Scan# 2524
 Delta R.T. 0.006 min
 Lab File: BP012674.D
 Acq: 18 Nov 2022 16:41

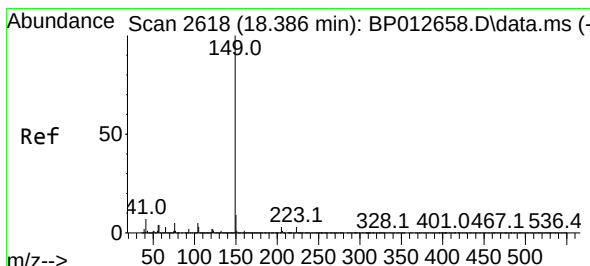
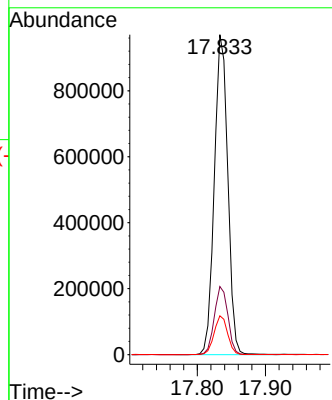
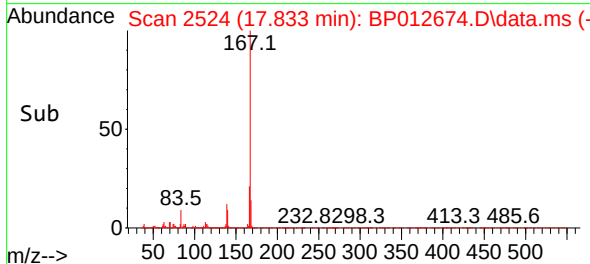
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



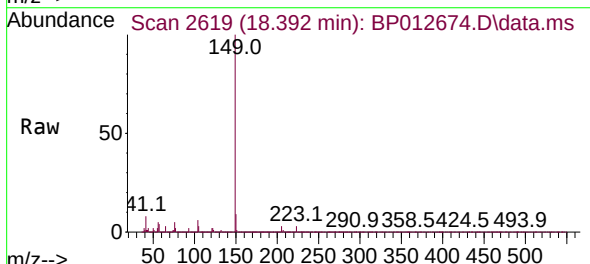
Tgt Ion:167 Resp: 1321684
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.2
 139 12.1 10.2 15.2

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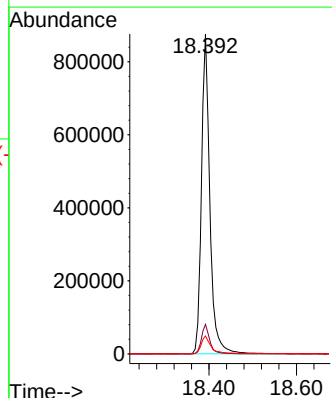
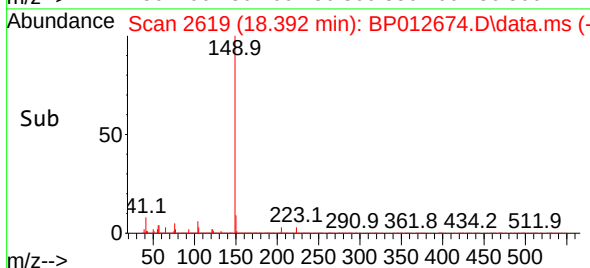
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

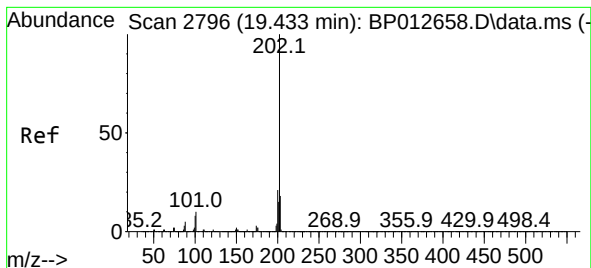


#74
 Di-n-butylphthalate
 Concen: 14.957 ng
 RT: 18.392 min Scan# 2619
 Delta R.T. 0.006 min
 Lab File: BP012674.D
 Acq: 18 Nov 2022 16:41



Tgt Ion:149 Resp: 1162015
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 5.6 4.0 6.0





#75

Fluoranthene

Concen: 17.726 ng

RT: 19.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:202 Resp: 1707836

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.4

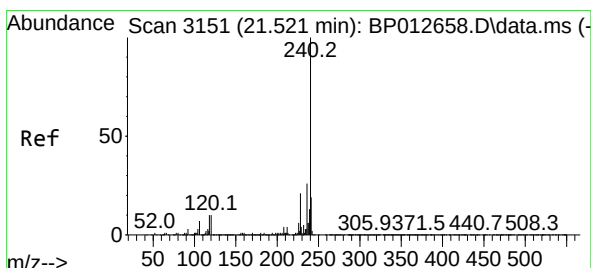
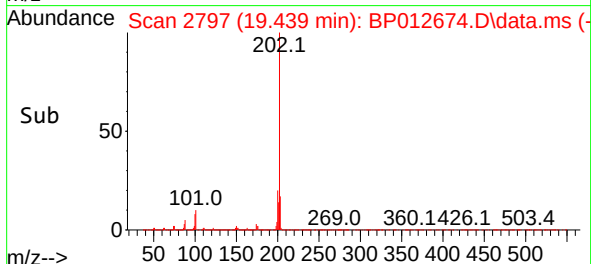
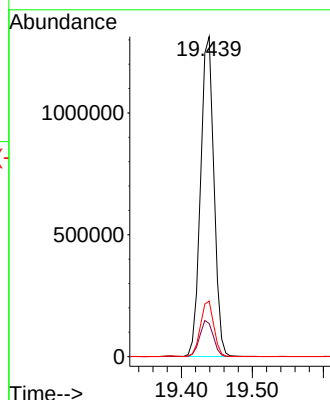
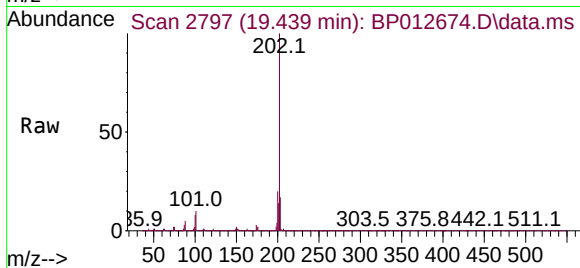
203 17.4 0.0 37.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 3151

Delta R.T. 0.000 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

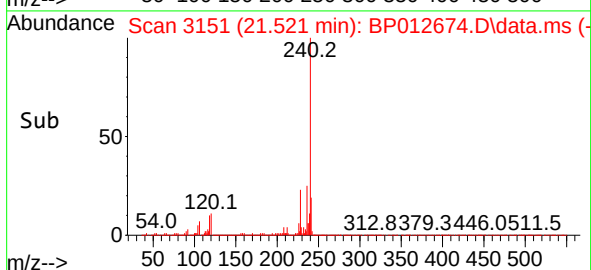
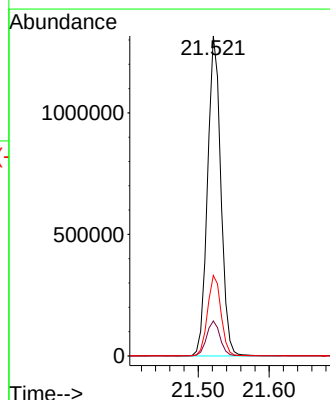
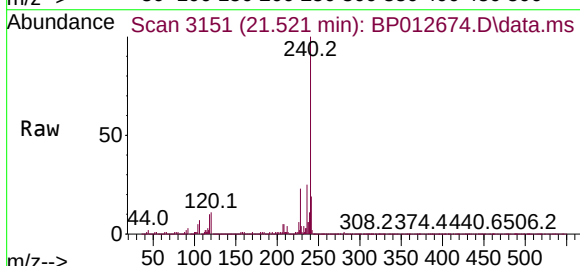
Tgt Ion:240 Resp: 1699585

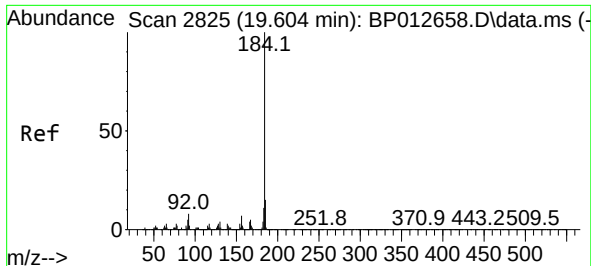
Ion Ratio Lower Upper

240 100

120 10.9 8.2 12.2

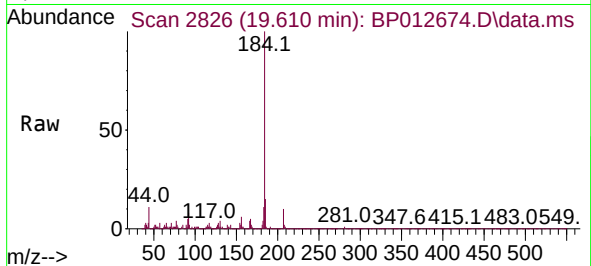
236 25.1 20.4 30.6





#77
Benzidine
Concen: 11.210 ng
RT: 19.610 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

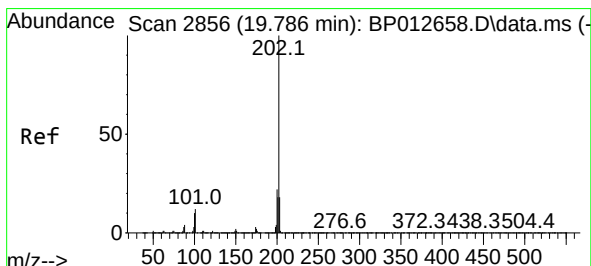
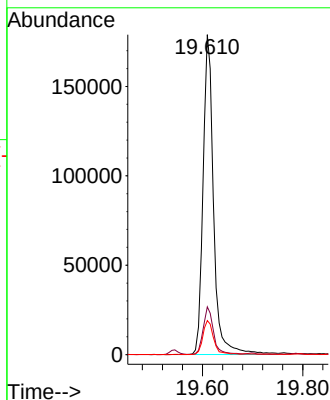
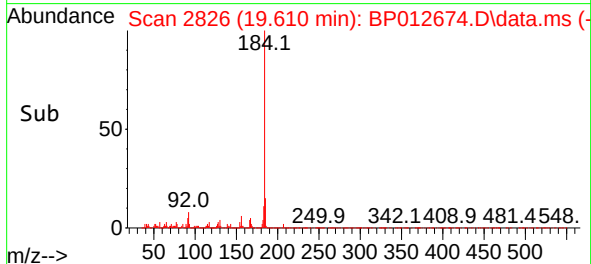
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



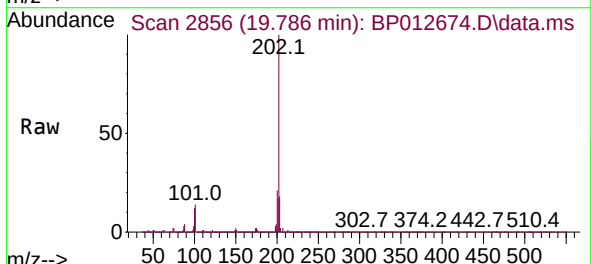
Tgt Ion:184 Resp: 261923
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.2
183 10.6 9.0 13.4

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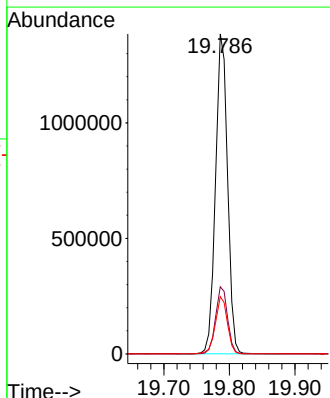
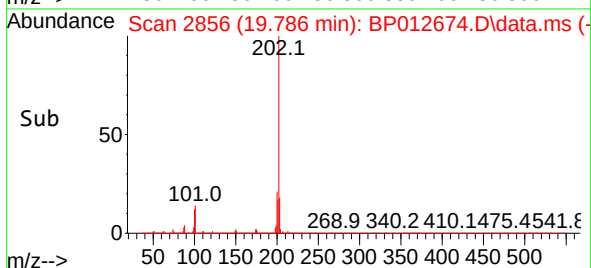
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

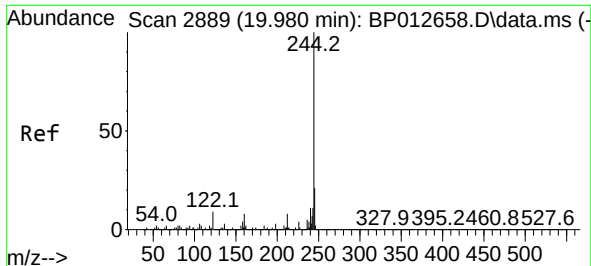


#78
Pyrene
Concen: 14.707 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41



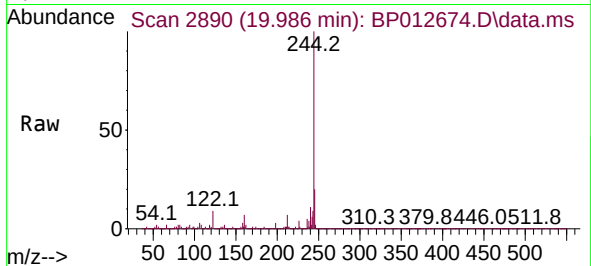
Tgt Ion:202 Resp: 1766495
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.0
203 17.9 14.3 21.5





#79
Terphenyl-d14
Concen: 97.257 ng
RT: 19.986 min Scan# 2889
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

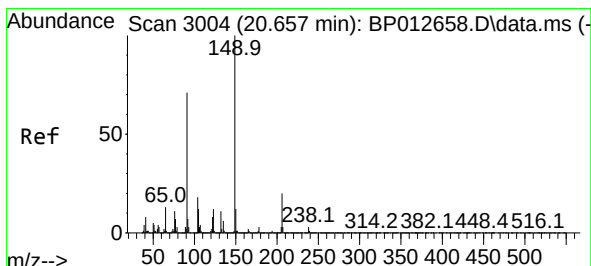
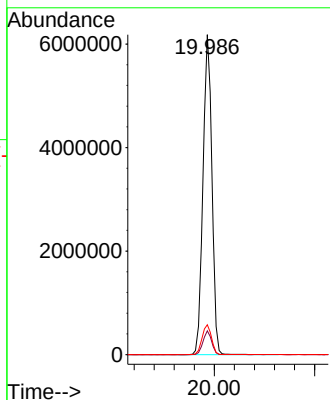
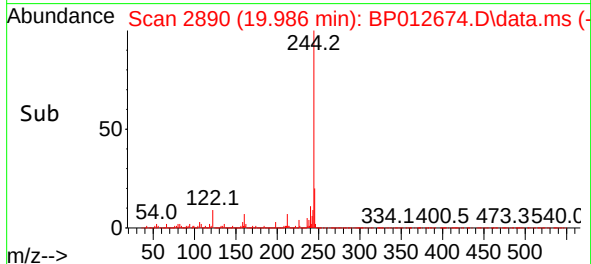
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:244 Resp: 7650398
Ion Ratio Lower Upper
244 100
212 7.4 6.3 9.5
122 9.3 7.5 11.3

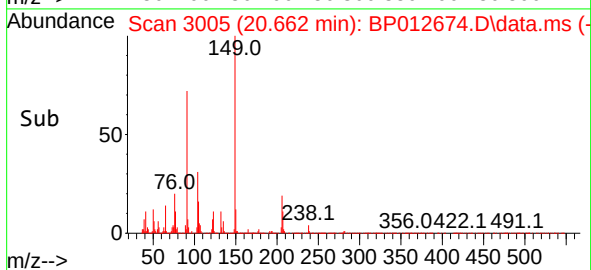
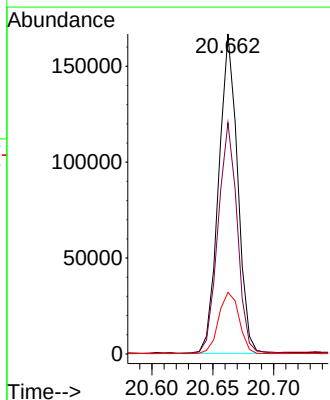
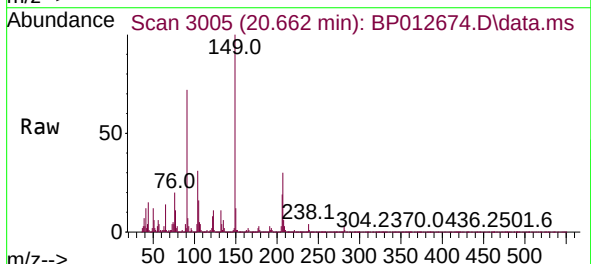
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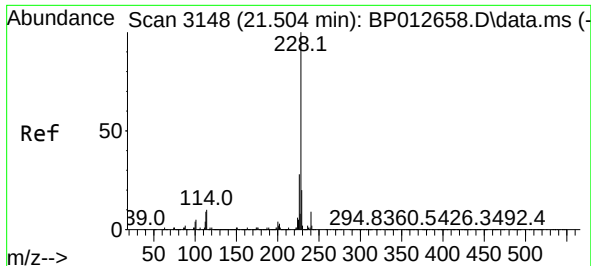
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#80
Butylbenzylphthalate
Concen: 8.325 ng
RT: 20.662 min Scan# 3005
Delta R.T. 0.005 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

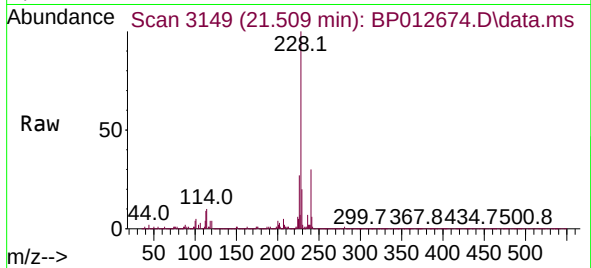
Tgt Ion:149 Resp: 180476
Ion Ratio Lower Upper
149 100
91 72.3 56.9 85.3
206 19.2 16.1 24.1





#81
Benzo(a)anthracene
Concen: 14.858 ng
RT: 21.509 min Scan# 3149
Delta R.T. 0.005 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

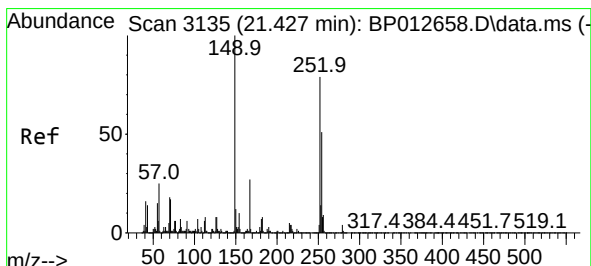
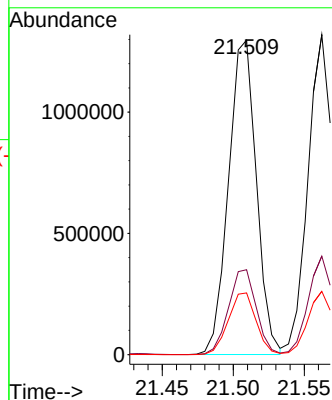
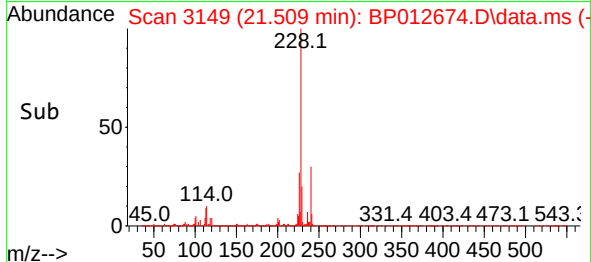
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 177035
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.2
229 19.6 16.2 24.2

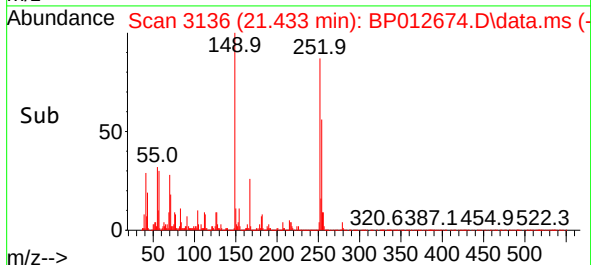
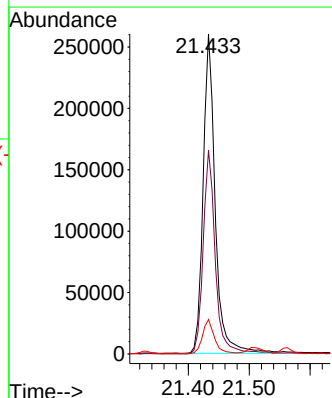
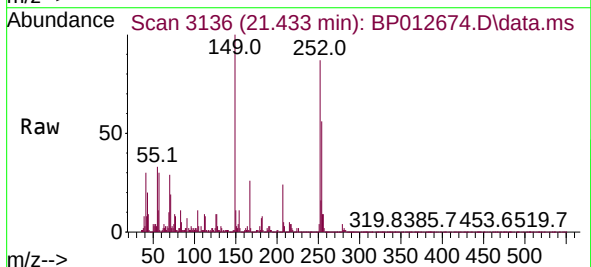
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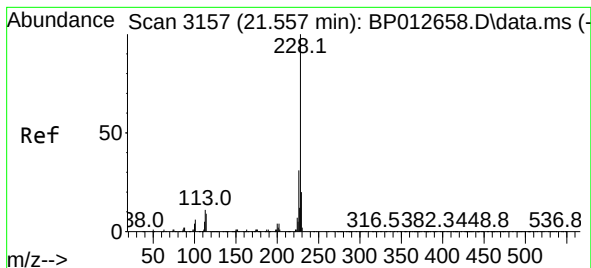
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 11.927 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion:252 Resp: 357711
Ion Ratio Lower Upper
252 100
254 63.7 51.9 77.9
126 10.7 8.2 12.4





#83

Chrysene

Concen: 14.861 ng

RT: 21.562 min Scan# 3157

Delta R.T. 0.005 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:228 Resp: 167903

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

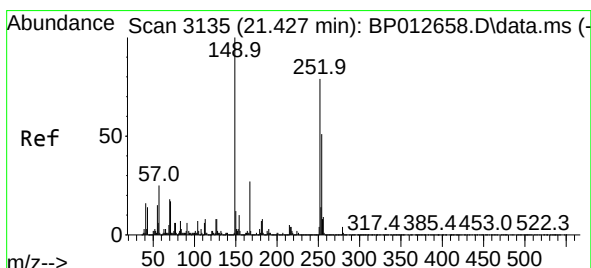
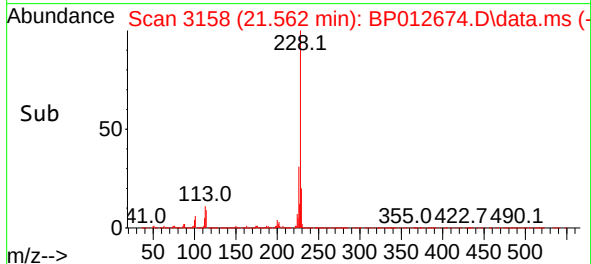
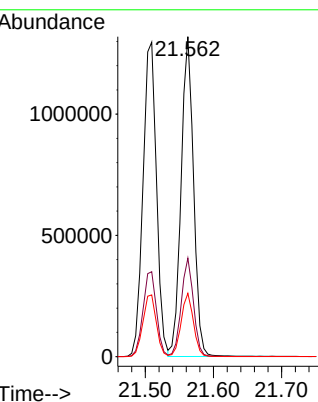
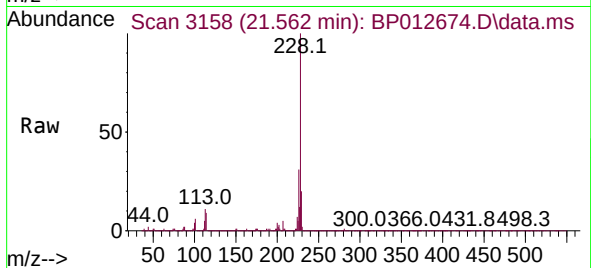
229 19.8 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.216 ng

RT: 21.433 min Scan# 3136

Delta R.T. 0.006 min

Lab File: BP012674.D

Acq: 18 Nov 2022 16:41

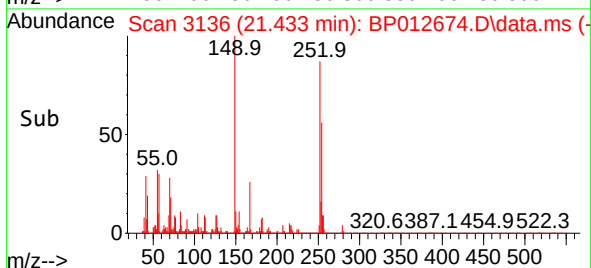
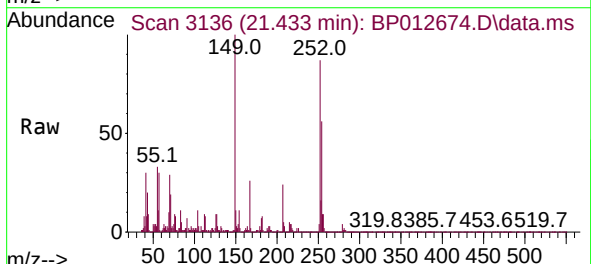
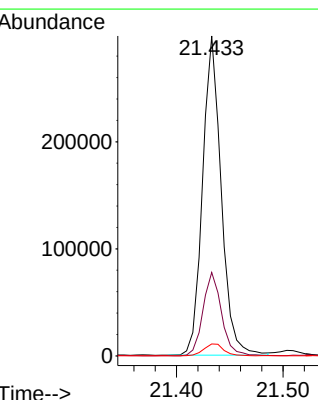
Tgt Ion:149 Resp: 362045

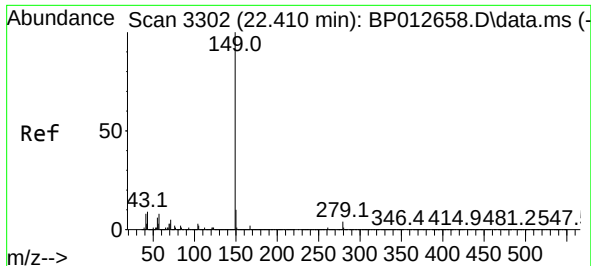
Ion Ratio Lower Upper

149 100

167 26.1 21.7 32.5

279 3.8 3.1 4.7





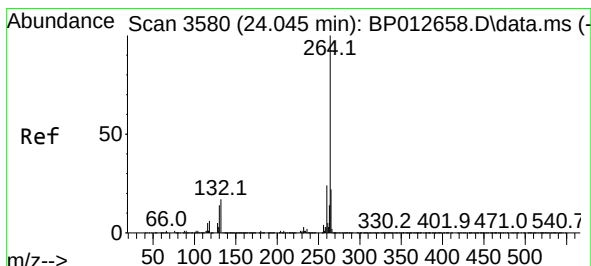
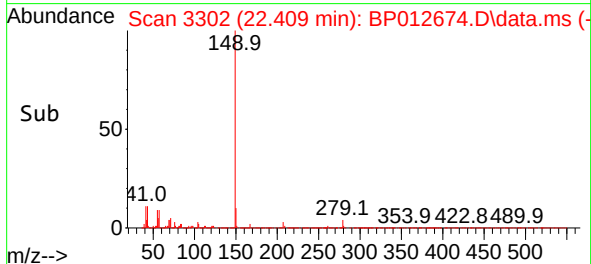
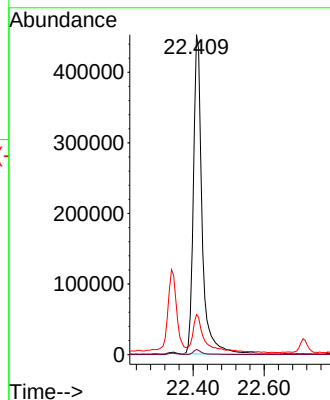
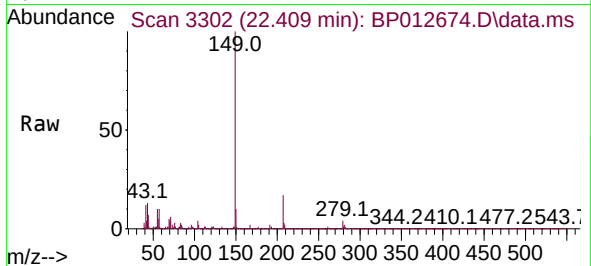
#85
Di-n-octyl phthalate
Concen: 9.209 ng
RT: 22.409 min Scan# 3302
Delta R.T. -0.001 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion:149 Resp: 765386
Ion Ratio Lower Upper
149 100
167 1.3 1.3 1.9
43 12.7 8.9 13.3

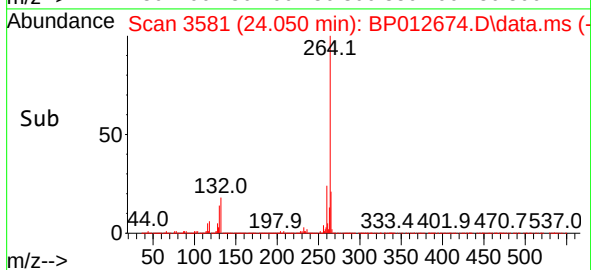
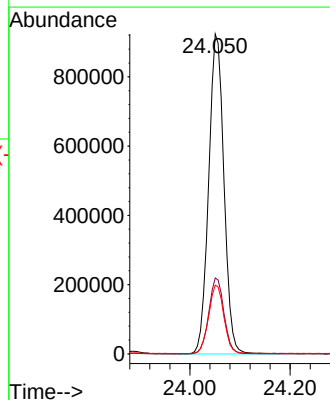
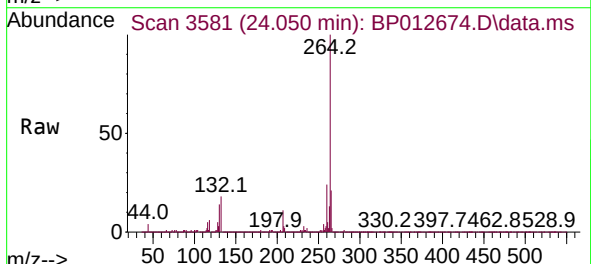
Manual Integrations
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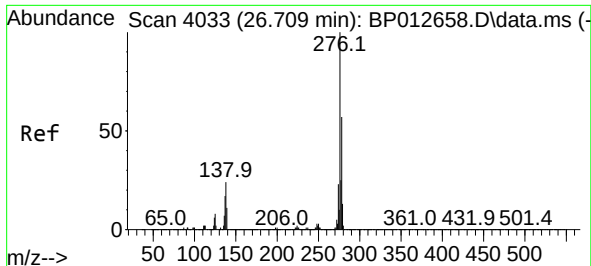
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.050 min Scan# 3581
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion:264 Resp: 1948410
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.5 17.3 25.9





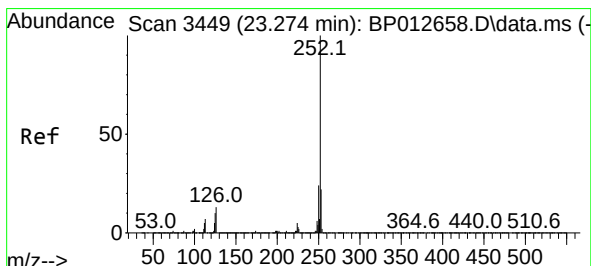
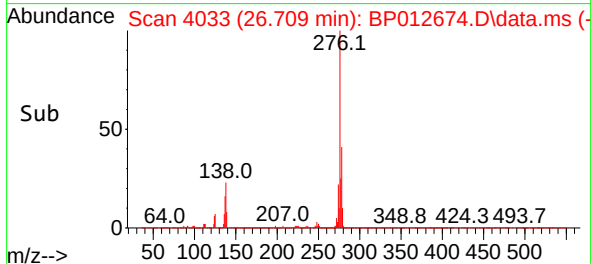
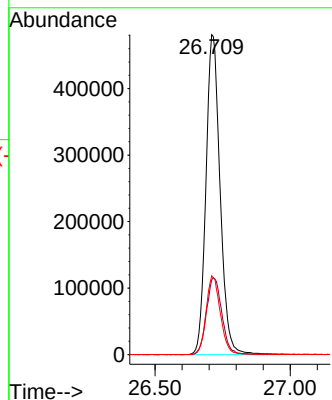
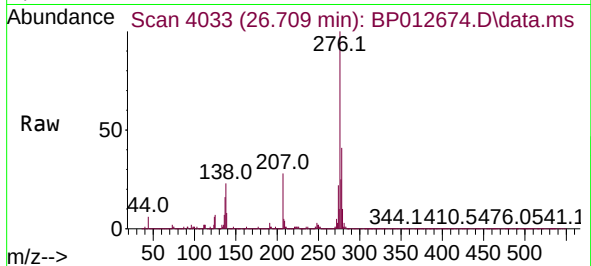
#87
Indeno(1,2,3-cd)pyrene
Concen: 12.317 ng
RT: 26.709 min Scan# 4033
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion: 276 Resp: 1747138
Ion Ratio Lower Upper
276 100
138 26.1 20.8 31.2
277 24.8 20.2 30.2

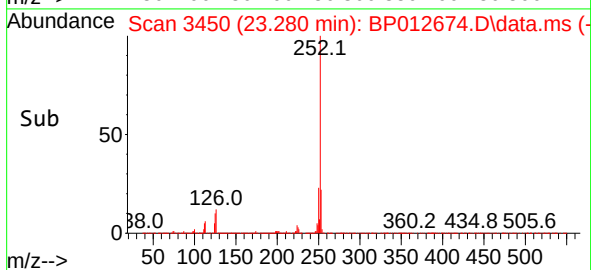
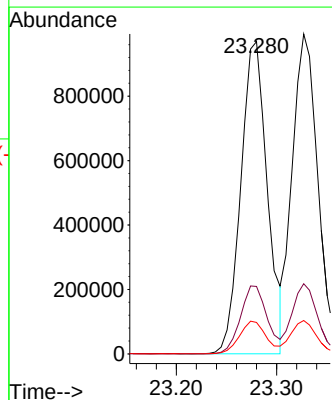
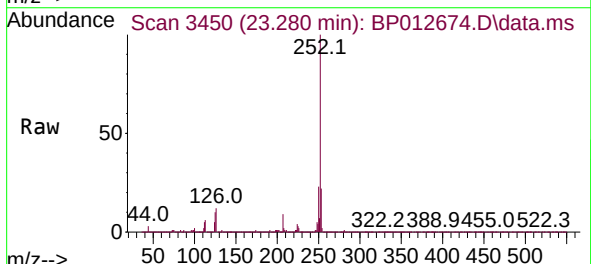
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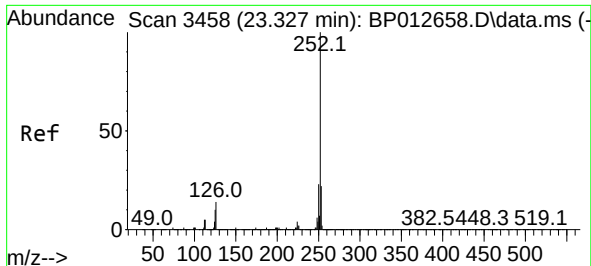
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#88
Benzo(b)fluoranthene
Concen: 13.792 ng
RT: 23.280 min Scan# 3450
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion: 252 Resp: 1779076
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 10.1 7.9 11.9





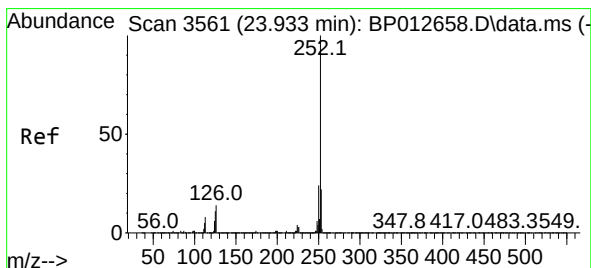
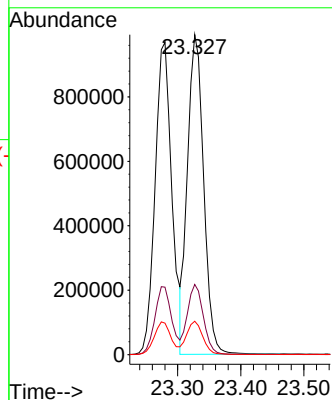
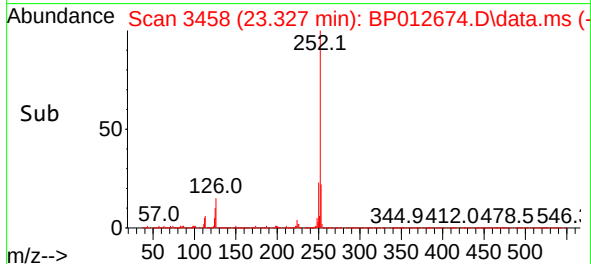
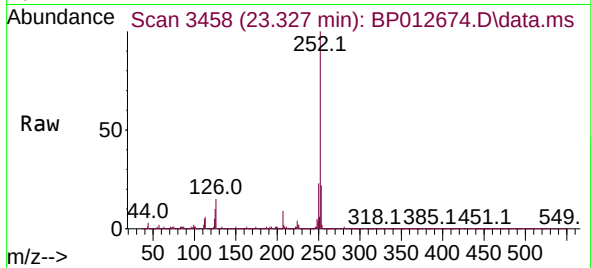
#89
Benzo(k)fluoranthene
Concen: 13.796 ng
RT: 23.327 min Scan# 3458
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

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

Tgt Ion:252 Resp: 1768237
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 10.4 7.9 11.9

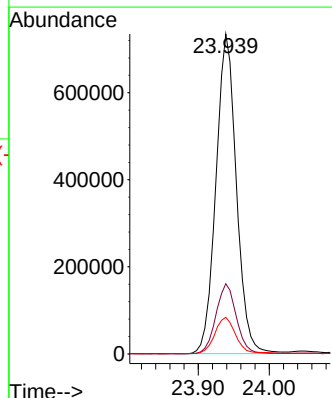
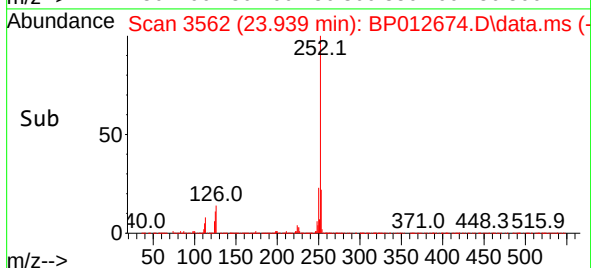
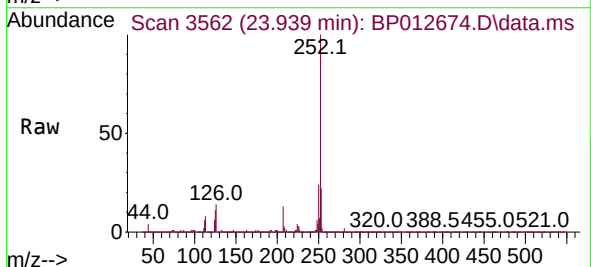
Manual Integrations
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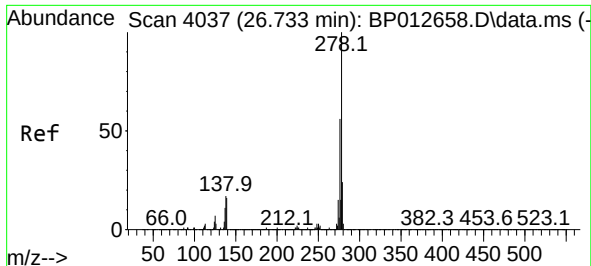
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#90
Benzo(a)pyrene
Concen: 13.739 ng
RT: 23.939 min Scan# 3562
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

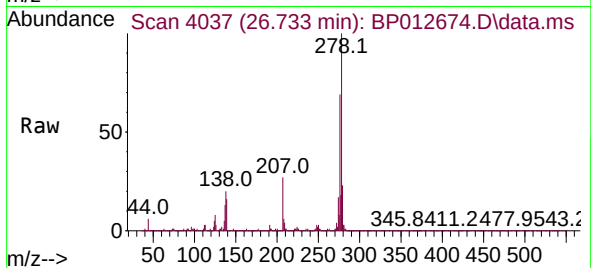
Tgt Ion:252 Resp: 1470651
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 11.4 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 13.122 ng
RT: 26.733 min Scan# 4037
Delta R.T. -0.000 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

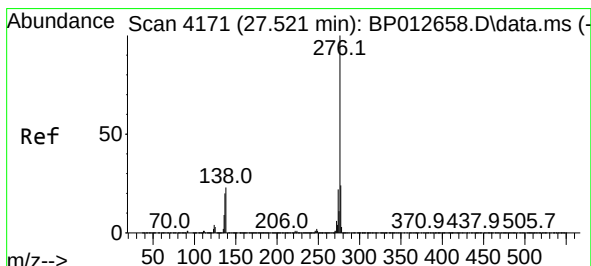
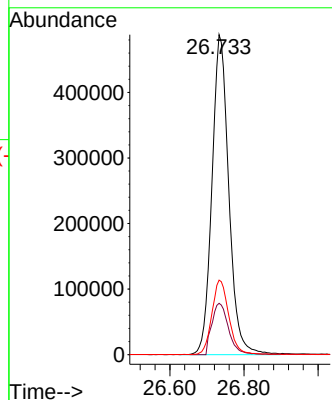
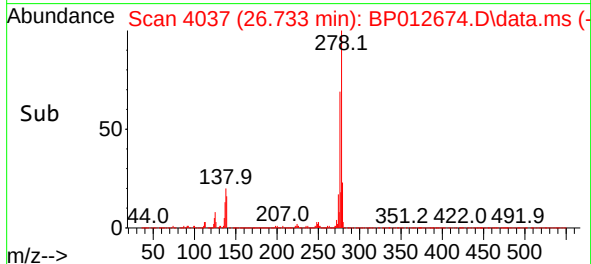
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 278 Resp: 153919
Ion Ratio Lower Upper
278 100
139 16.0 13.0 19.4
279 23.3 19.2 28.8

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



#92
Benzo(g,h,i)perylene
Concen: 12.609 ng
RT: 27.527 min Scan# 4172
Delta R.T. 0.006 min
Lab File: BP012674.D
Acq: 18 Nov 2022 16:41

Tgt Ion: 276 Resp: 1436493
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.2
138 21.9 18.1 27.1

