

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011623\
 Data File : BP013478.D
 Acq On : 16 Jan 2023 12:54
 Operator : CG/JU
 Sample : N3214-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022

Quant Time: Jan 17 03:43:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	471334	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1957275	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	1351257	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	3135900	20.000	ng	0.00
76) Chrysene-d12	21.410	240	3271138	20.000	ng	0.00
86) Perylene-d12	23.874	264	3815535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	4384462	163.405	ng	0.00
7) Phenol-d6	7.075	99	6067254	159.969	ng	0.00
23) Nitrobenzene-d5	9.081	82	3281703	89.078	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	3464807	164.267	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	8460431	91.528	ng	0.00
79) Terphenyl-d14	19.874	244	12714704	79.466	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	53769	5.110	ng	96
3) Pyridine	3.758	79	147403	4.494	ng	96
4) n-Nitrosodimethylamine	3.658	42	79585	5.060	ng	# 97
6) Aniline	7.234	93	244840	4.831	ng	99
8) 2-Chlorophenol	7.469	128	154480	4.975	ng	97
9) Benzaldehyde	7.046	77	138199m	6.036	ng	
10) Phenol	7.099	94	194200	4.961	ng	93
11) bis(2-Chloroethyl)ether	7.334	93	156856	4.943	ng	97
12) 1,3-Dichlorobenzene	7.793	146	175345	5.360	ng	98
13) 1,4-Dichlorobenzene	7.946	146	177526	5.324	ng	98
14) 1,2-Dichlorobenzene	8.263	146	168857	5.184	ng	98
15) Benzyl Alcohol	8.152	79	134522	4.603	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.440	45	250893	5.110	ng	99
17) 2-Methylphenol	8.352	107	128297	4.427	ng	99
18) Hexachloroethane	8.993	117	61275	5.189	ng	98
19) n-Nitroso-di-n-propyla...	8.716	70	130796	4.832	ng	94
20) 3+4-Methylphenols	8.681	107	177969	4.420	ng	97
22) Acetophenone	8.740	105	251378	5.015	ng	# 97
24) Nitrobenzene	9.122	77	195274	5.124	ng	98
25) Isophorone	9.646	82	364314	4.804	ng	98
26) 2-Nitrophenol	9.834	139	82216	4.365	ng	93
27) 2,4-Dimethylphenol	9.893	122	149660	4.826	ng	99
28) bis(2-Chloroethoxy)met...	10.128	93	223132	4.989	ng	99
29) 2,4-Dichlorophenol	10.369	162	150974	4.640	ng	99
30) 1,2,4-Trichlorobenzene	10.581	180	178442	5.182	ng	99
31) Naphthalene	10.769	128	514514	4.971	ng	100
32) Benzoic acid	9.969	122	94511	3.654	ng	97
33) 4-Chloroaniline	10.887	127	209590	4.433	ng	99
34) Hexachlorobutadiene	11.051	225	112234	5.170	ng	97
35) Caprolactam	11.675	113	51686	4.458	ng	98
36) 4-Chloro-3-methylphenol	12.010	107	166464	4.694	ng	99
37) 2-Methylnaphthalene	12.381	142	365969	4.710	ng	99
38) 1-Methylnaphthalene	12.598	142	361216	4.928	ng	97
40) 1,2,4,5-Tetrachloroben...	12.745	216	220361	4.975	ng	98
41) Hexachlorocyclopentadiene	12.722	237	101350	4.389	ng	98
43) 2,4,6-Trichlorophenol	12.992	196	137022	4.499	ng	98

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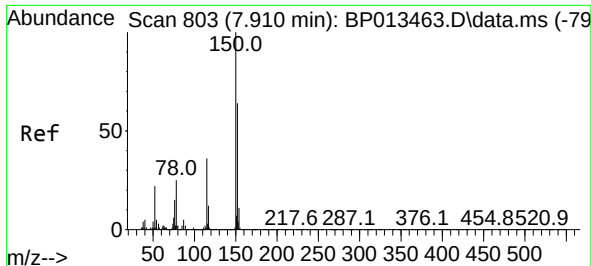
Quant Time: Jan 17 03:43:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
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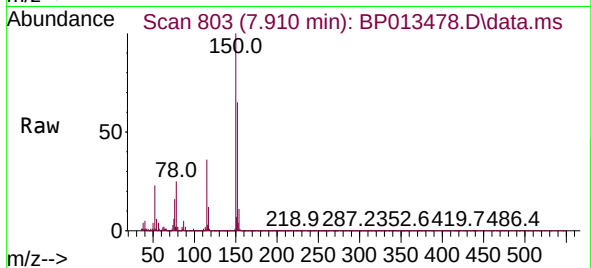
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	151341	4.235	ng	98
46) 1,1'-Biphenyl	13.392	154	529213	5.180	ng	99
47) 2-Chloronaphthalene	13.434	162	399919	5.104	ng	98
48) 2-Nitroaniline	13.640	65	104495	4.052	ng	92
49) Acenaphthylene	14.281	152	646350	5.002	ng	98
50) Dimethylphthalate	14.010	163	517637	4.831	ng	99
51) 2,6-Dinitrotoluene	14.134	165	100618	4.305	ng	93
52) Acenaphthene	14.622	154	374220	4.893	ng	96
53) 3-Nitroaniline	14.469	138	97605	3.903	ng	89
54) 2,4-Dinitrophenol	14.681	184	49669	3.127	ng	96
55) Dibenzofuran	14.957	168	630667	4.974	ng	99
56) 4-Nitrophenol	14.781	139	77951	3.880	ng	93
57) 2,4-Dinitrotoluene	14.928	165	134239	4.200	ng	95
58) Fluorene	15.610	166	502288	5.020	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.186	232	137455	4.448	ng	99
60) Diethylphthalate	15.375	149	509740	4.862	ng	98
61) 4-Chlorophenyl-phenylether	15.598	204	267554	5.035	ng	98
62) 4-Nitroaniline	15.634	138	97872	3.823	ng	96
63) Azobenzene	15.898	77	448768	4.661	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	76095	3.548	ng	89
66) n-Nitrosodiphenylamine	15.816	169	439935	4.774	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	168844	4.677	ng	97
68) Hexachlorobenzene	16.616	284	199714	5.080	ng	98
69) Atrazine	16.775	200	162754	4.823	ng	98
70) Pentachlorophenol	16.969	266	107857	3.743	ng	97
71) Phenanthrene	17.363	178	828515	5.007	ng	99
72) Anthracene	17.451	178	814483	4.838	ng	99
73) Carbazole	17.728	167	742677	4.843	ng	99
74) Di-n-butylphthalate	18.269	149	834882	4.691	ng	99
75) Fluoranthene	19.327	202	1016783	5.116	ng	99
77) Benzidine	19.510	184	427642	4.400	ng	100
78) Pyrene	19.680	202	1064939	4.950	ng	98
80) Butylbenzylphthalate	20.545	149	389399	4.187	ng	94
81) Benzo(a)anthracene	21.392	228	1132557	5.141	ng	98
82) 3,3'-Dichlorobenzidine	21.327	252	405387	4.925	ng	97
83) Chrysene	21.451	228	1063028	5.107	ng	98
84) Bis(2-ethylhexyl)phtha...	21.304	149	610128	4.533	ng	99
85) Di-n-octyl phthalate	22.251	149	1074298	4.702	ng	97
87) Indeno(1,2,3-cd)pyrene	26.445	276	1272373	4.611	ng	100
88) Benzo(b)fluoranthene	23.115	252	1177745	5.199	ng	99
89) Benzo(k)fluoranthene	23.168	252	1116284	5.077	ng	99
90) Benzo(a)pyrene	23.762	252	1125868	5.059	ng	99
91) Dibenzo(a,h)anthracene	26.462	278	1111990	4.840	ng	99
92) Benzo(g,h,i)perylene	27.233	276	1099690	4.851	ng	98

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.910 min Scan# 803
 Delta R.T. 0.000 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54

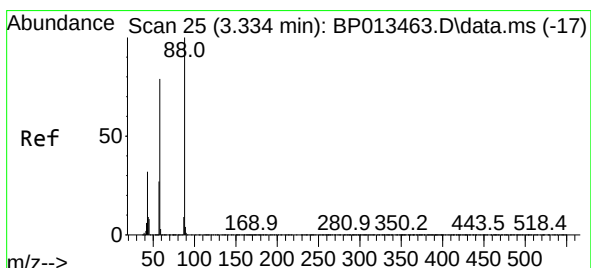
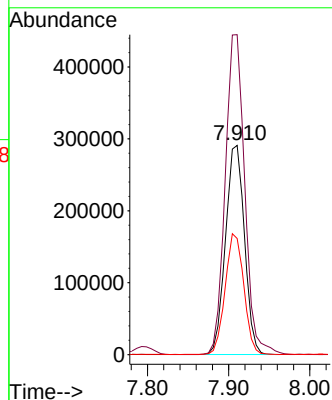
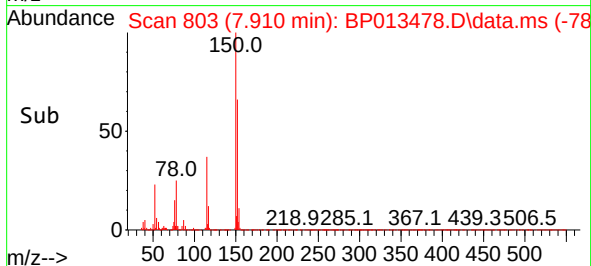
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



Tgt Ion: 152 Resp: 471334
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.7 188.5
 115 55.5 45.8 68.8

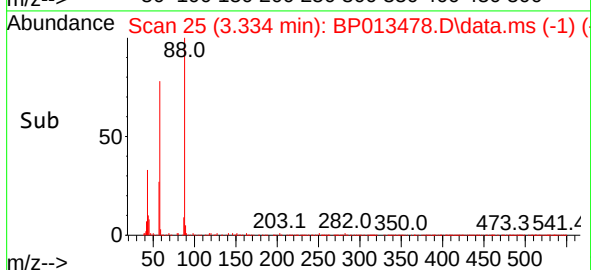
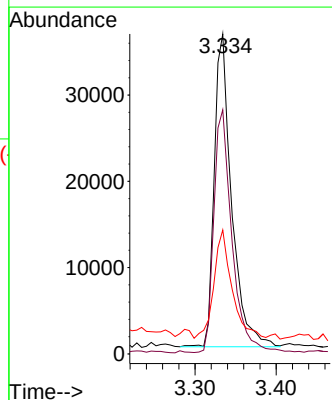
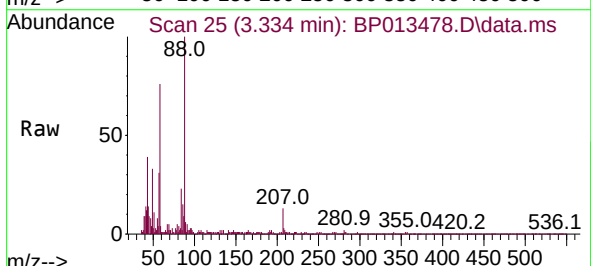
Manual Integrations
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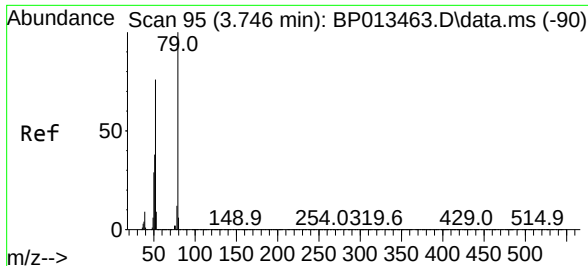
Reviewed By : Christian Giraldo 01/17/2023
 Supervised By : Jagrut Upadhyay 01/18/2023



#2
 1,4-Dioxane
 Concen: 5.110 ng
 RT: 3.334 min Scan# 25
 Delta R.T. 0.000 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54

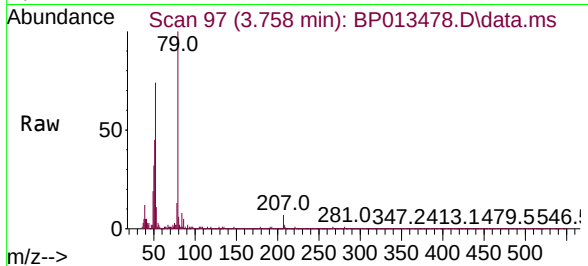
Tgt Ion: 88 Resp: 53769
 Ion Ratio Lower Upper
 88 100
 58 81.3 63.4 95.0
 43 36.8 26.2 39.4





#3
Pyridine
Concen: 4.494 ng
RT: 3.758 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

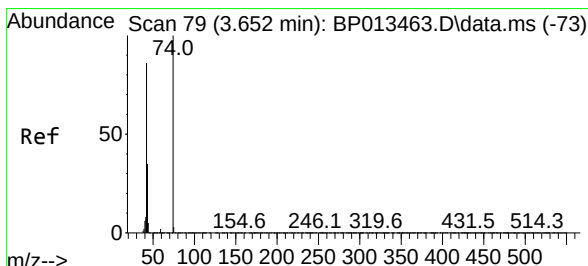
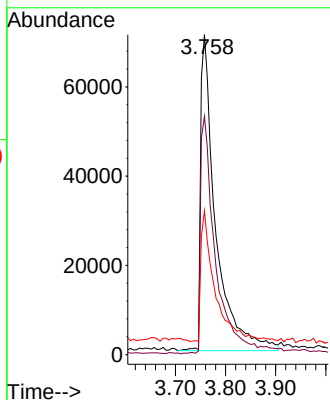
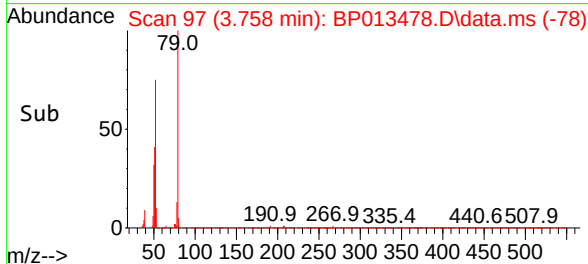
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



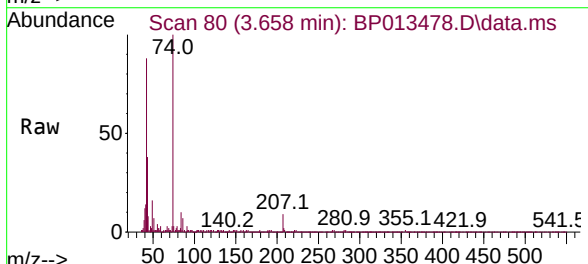
Tgt Ion: 79 Resp: 147403
Ion Ratio Lower Upper
79 100
52 74.5 60.6 91.0
51 44.9 31.0 46.4

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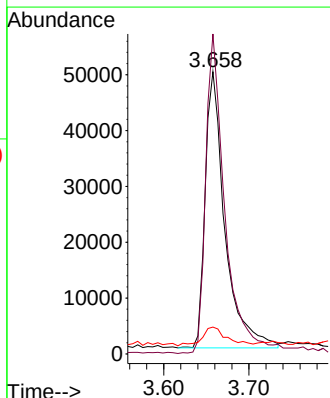
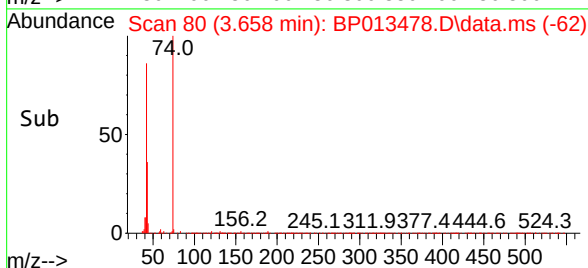
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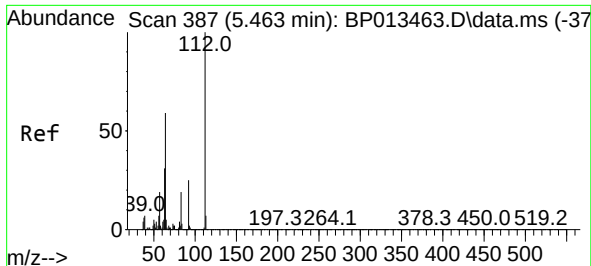


#4
n-Nitrosodimethylamine
Concen: 5.060 ng
RT: 3.658 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



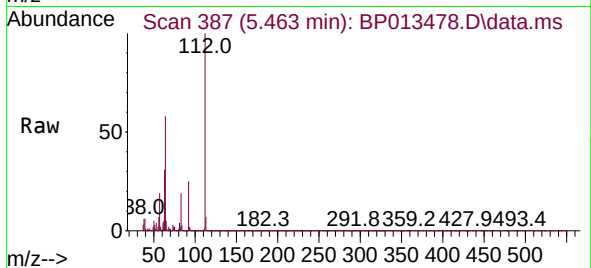
Tgt Ion: 42 Resp: 79585
Ion Ratio Lower Upper
42 100
74 113.4 93.3 139.9
44 9.5 5.1 7.7#





#5
2-Fluorophenol
Concen: 163.405 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

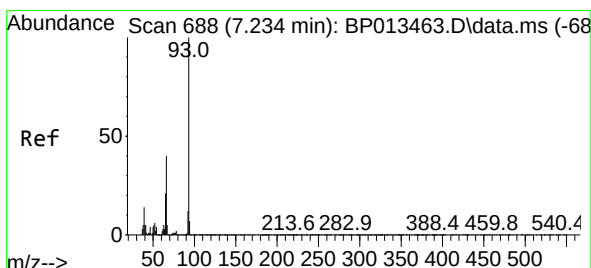
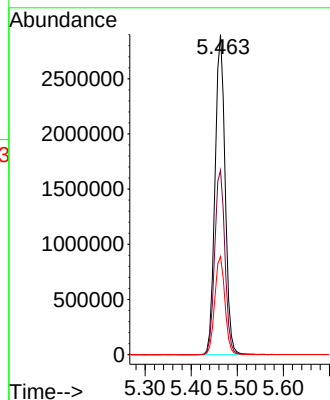
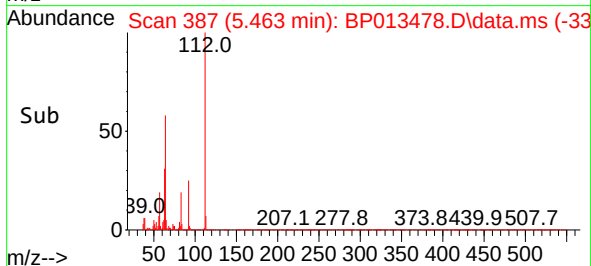
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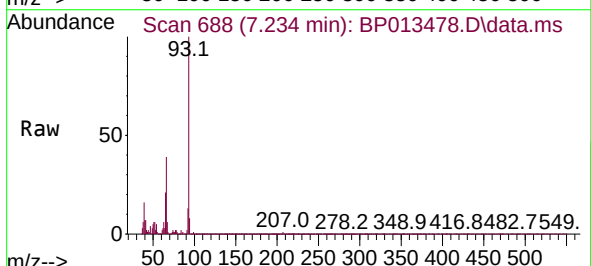
Tgt Ion:112 Resp: 4384462
Ion Ratio Lower Upper
112 100
64 57.6 47.5 71.3
63 30.6 25.0 37.4

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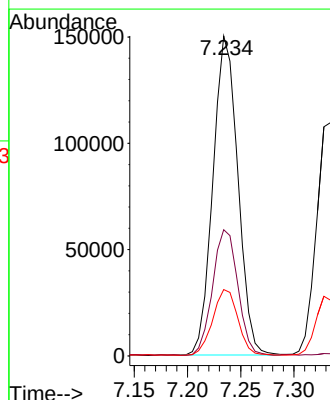
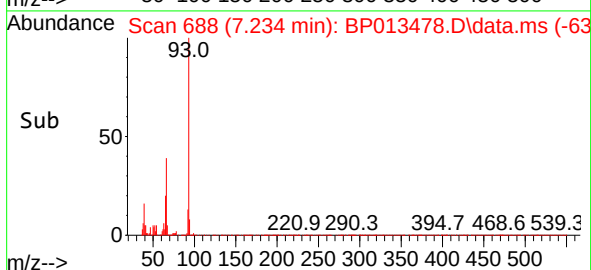
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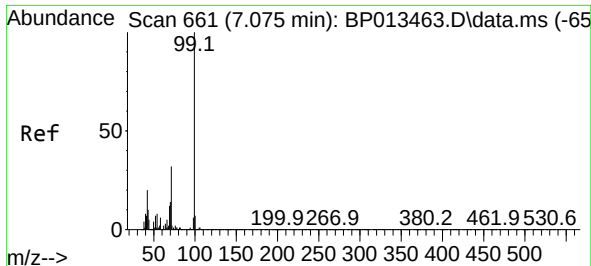


#6
Aniline
Concen: 4.831 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



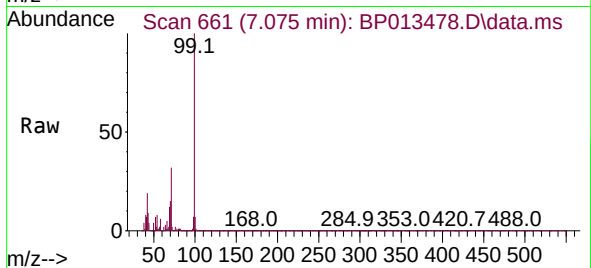
Tgt Ion: 93 Resp: 244840
Ion Ratio Lower Upper
93 100
66 39.4 31.9 47.9
65 20.7 16.6 25.0





#7
Phenol-d6
Concen: 159.969 ng
RT: 7.075 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

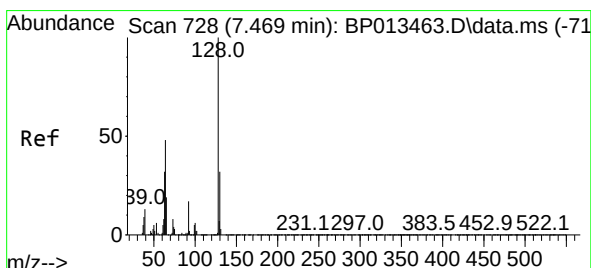
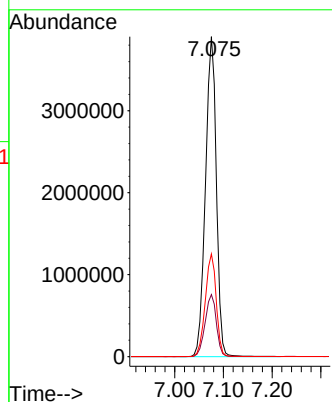
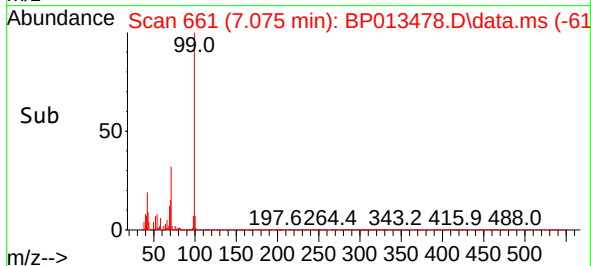
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ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 99 Resp: 6067254
Ion Ratio Lower Upper
99 100
42 19.4 15.8 23.6
71 32.1 25.6 38.4

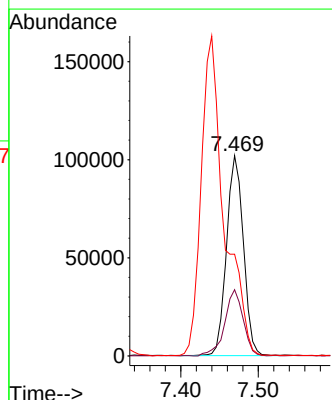
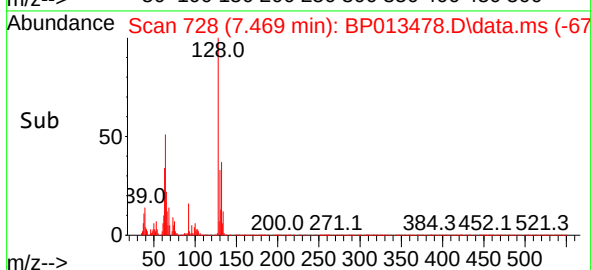
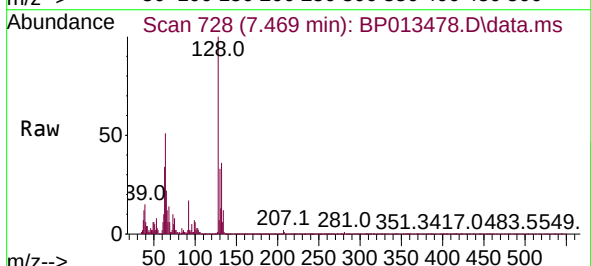
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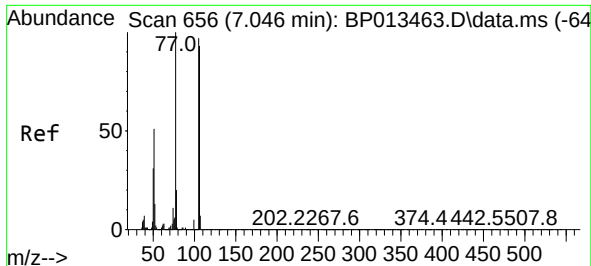
Reviewed By :Christian Giraldo 01/17/2023
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#8
2-Chlorophenol
Concen: 4.975 ng
RT: 7.469 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

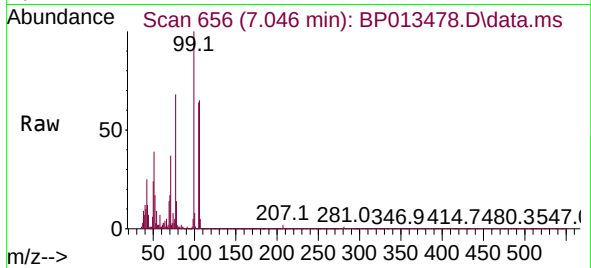
Tgt Ion:128 Resp: 154480
Ion Ratio Lower Upper
128 100
130 33.0 11.7 51.7
64 50.8 28.6 68.6





#9
Benzaldehyde
Concen: 6.036 ng m
RT: 7.046 min Scan# 656
Delta R.T. -0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

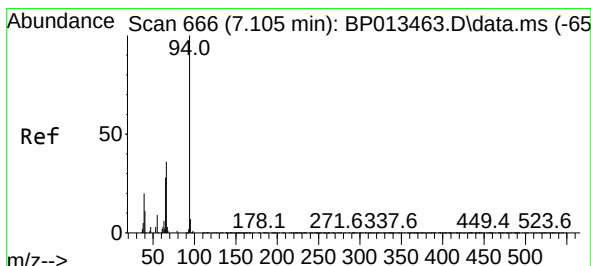
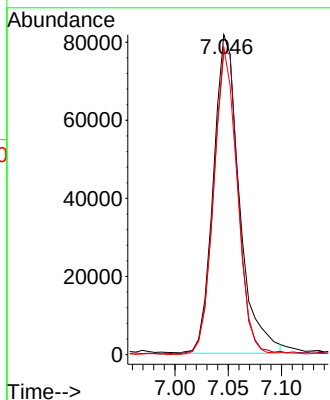
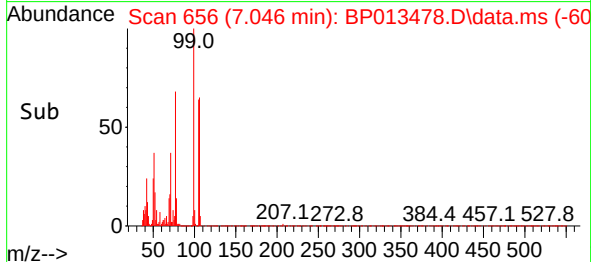
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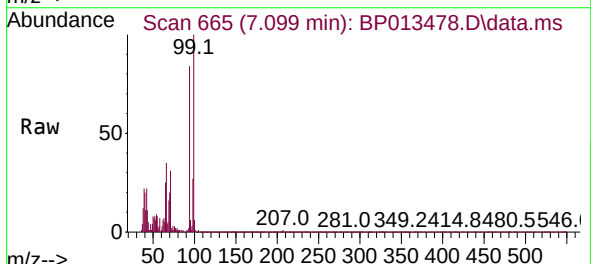
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Ion Ratio Lower Upper
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105 94.7 77.3 117.3
106 96.0 73.1 113.1

Manual Integrations
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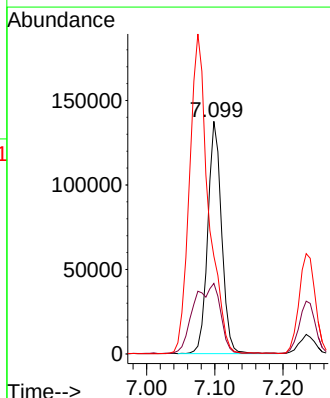
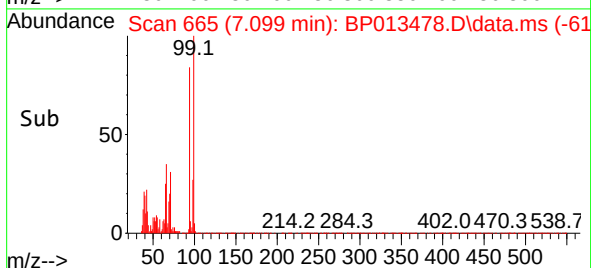
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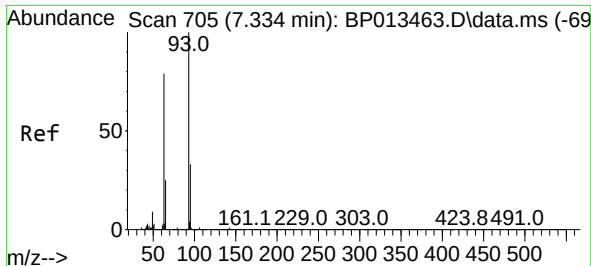


#10
Phenol
Concen: 4.961 ng
RT: 7.099 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



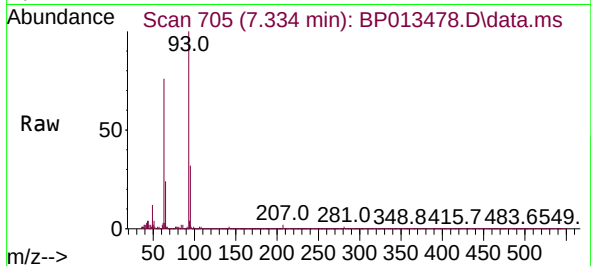
Tgt Ion: 94 Resp: 194200
Ion Ratio Lower Upper
94 100
65 30.3 8.3 48.3
66 42.0 16.6 56.6





#11
bis(2-Chloroethyl)ether
Concen: 4.943 ng
RT: 7.334 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

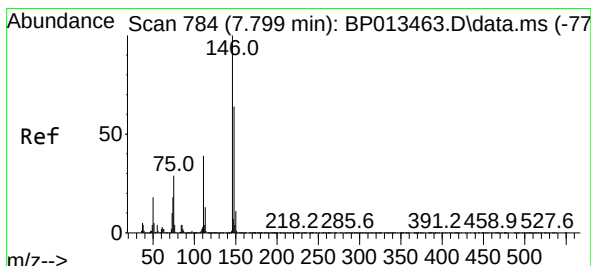
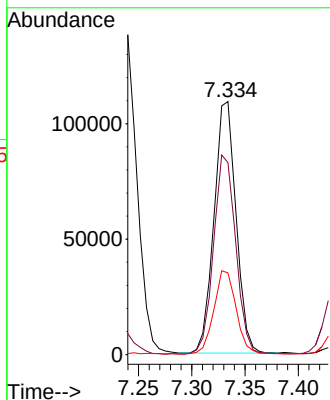
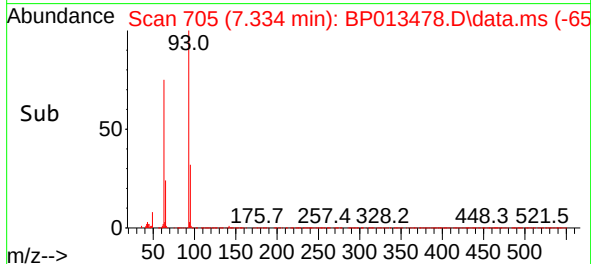
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



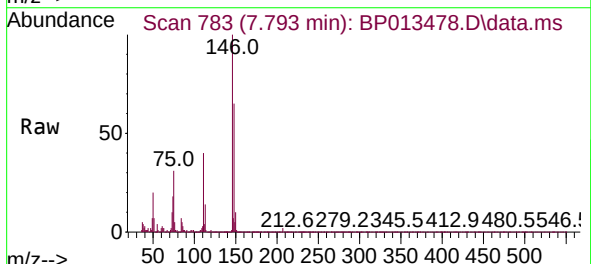
Tgt Ion: 93 Resp: 156856
Ion Ratio Lower Upper
93 100
63 75.8 59.3 99.3
95 32.3 12.8 52.8

Manual Integrations
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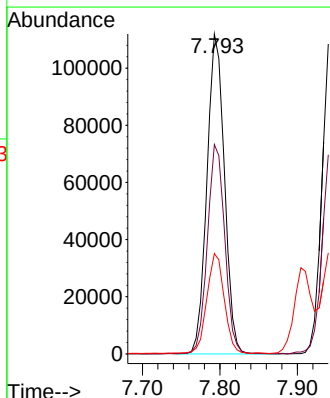
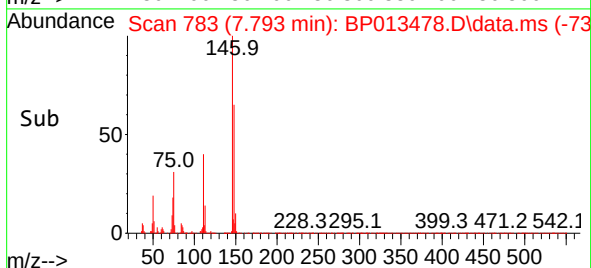
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

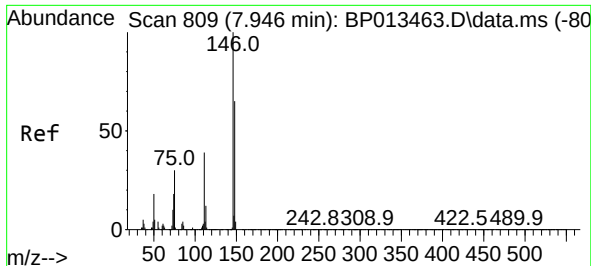


#12
1,3-Dichlorobenzene
Concen: 5.360 ng
RT: 7.793 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



Tgt Ion:146 Resp: 175345
Ion Ratio Lower Upper
146 100
148 65.4 51.5 77.3
75 31.3 23.6 35.4





#13

1,4-Dichlorobenzene

Concen: 5.324 ng

RT: 7.946 min Scan# 809

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

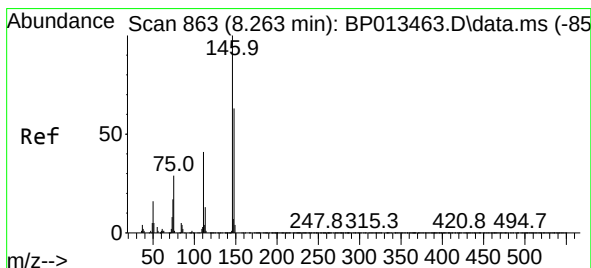
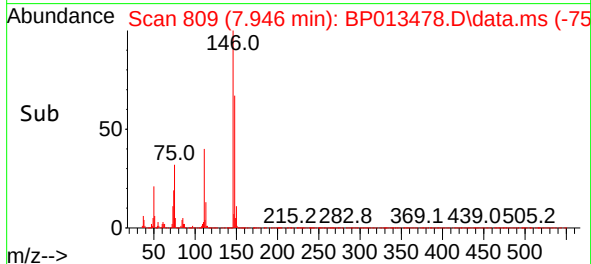
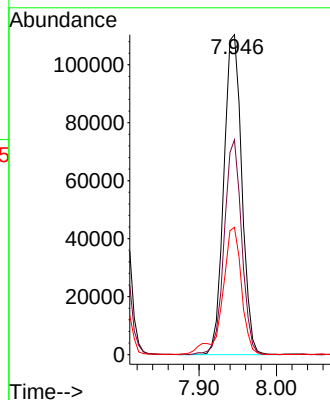
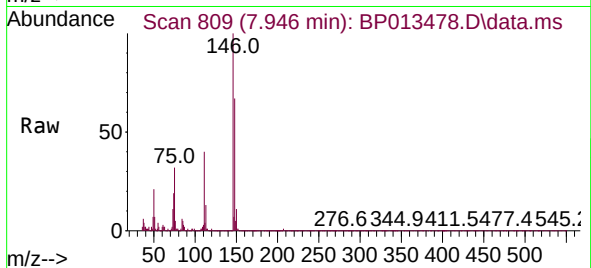
LOQ-SOIL-02-QT2-2022

Tgt Ion:146 Resp: 177526
 Ion Ratio Lower Upper
 146 100
 148 67.1 52.0 78.0
 111 39.8 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#14

1,2-Dichlorobenzene

Concen: 5.184 ng

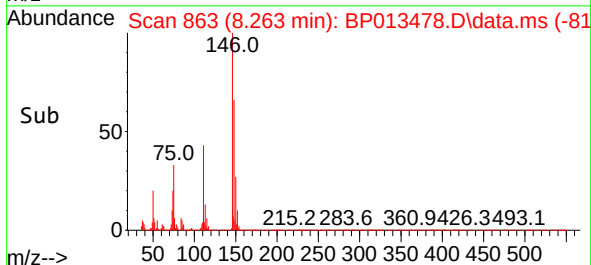
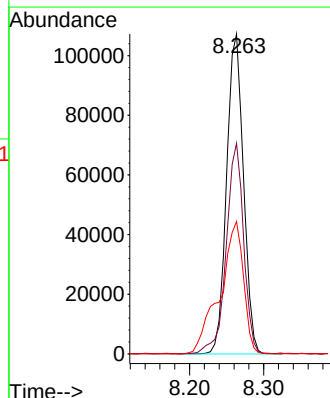
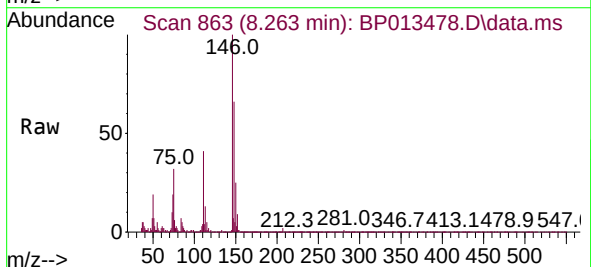
RT: 8.263 min Scan# 863

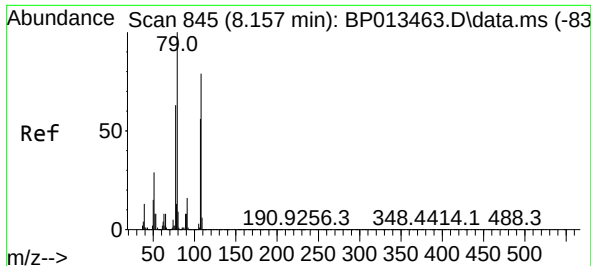
Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

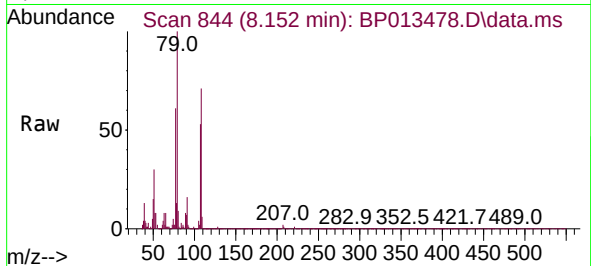
Tgt Ion:146 Resp: 168857
 Ion Ratio Lower Upper
 146 100
 148 65.8 50.9 76.3
 111 41.4 32.7 49.1





#15
Benzyl Alcohol
Concen: 4.603 ng
RT: 8.152 min Scan# 844
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

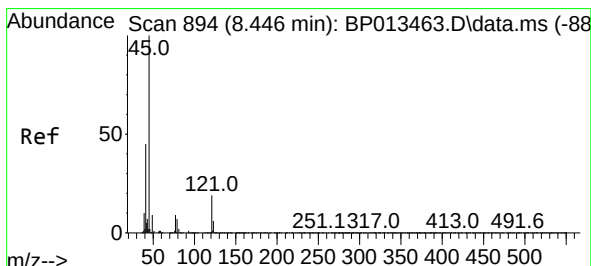
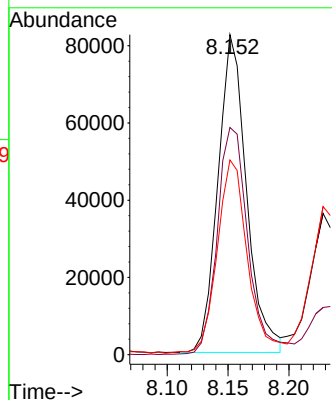
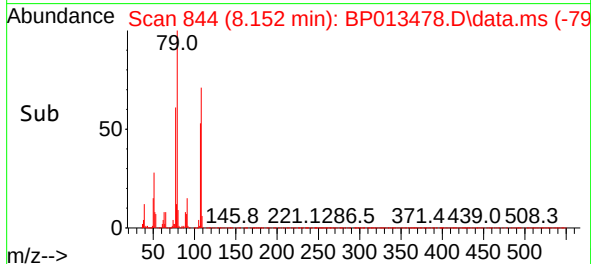
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



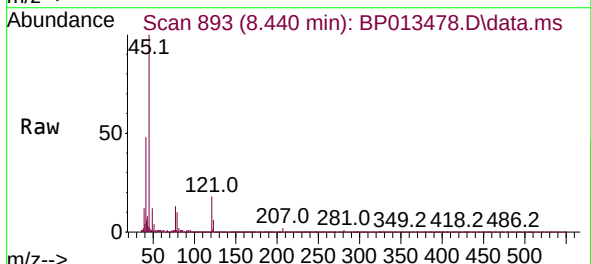
Tgt Ion: 79 Resp: 134522
Ion Ratio Lower Upper
79 100
108 71.0 63.2 94.8
77 60.8 50.5 75.7

Manual Integrations
APPROVED

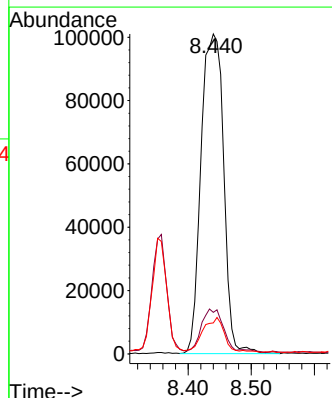
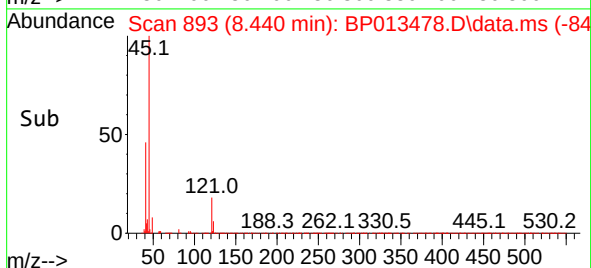
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

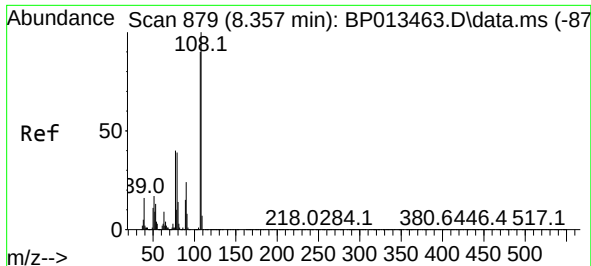


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.110 ng
RT: 8.440 min Scan# 893
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



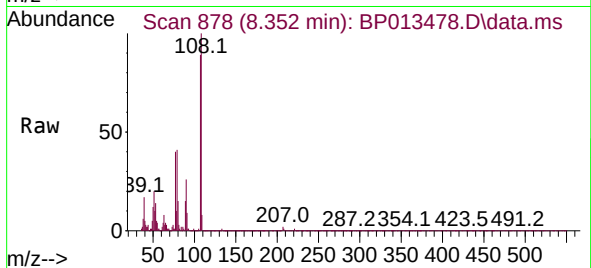
Tgt Ion: 45 Resp: 250893
Ion Ratio Lower Upper
45 100
77 13.0 0.0 32.8
79 9.7 0.0 30.3





#17
2-Methylphenol
Concen: 4.427 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

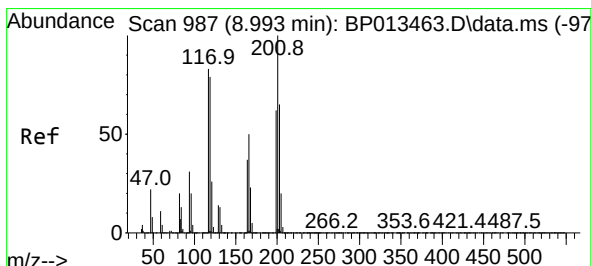
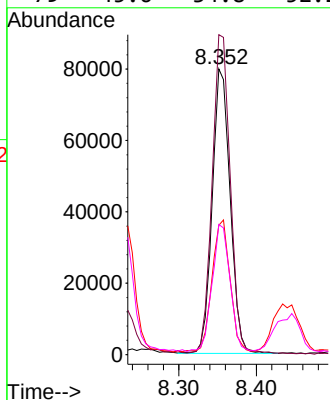
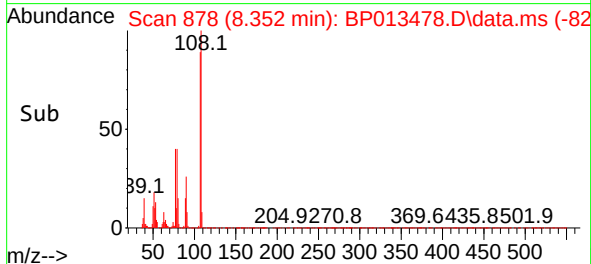
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:107 Resp: 12829
Ion Ratio Lower Upper
107 100
108 112.0 88.8 133.2
77 45.3 35.8 53.8
79 45.6 34.8 52.2

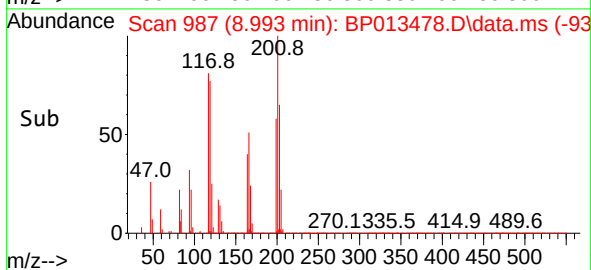
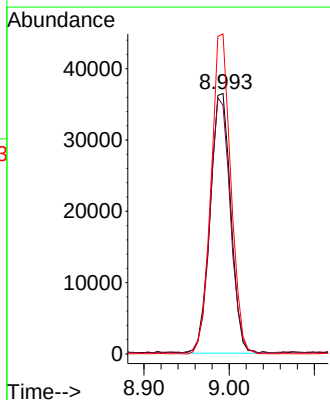
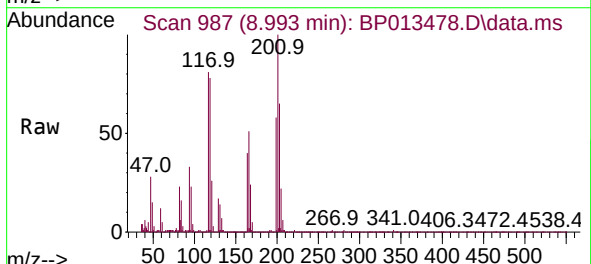
Manual Integrations
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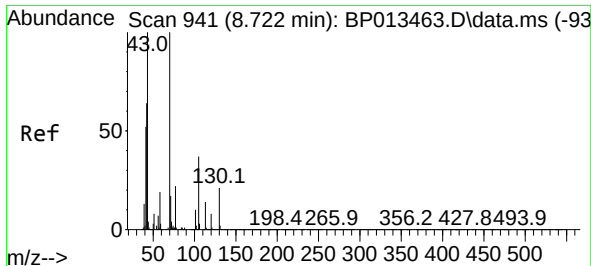
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#18
Hexachloroethane
Concen: 5.189 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

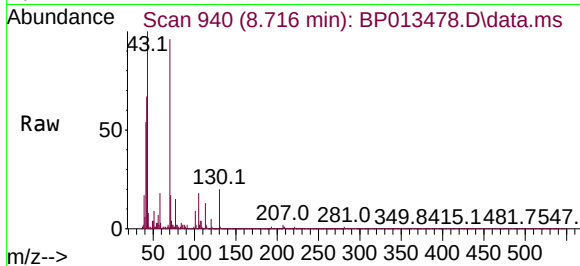
Tgt Ion:117 Resp: 61275
Ion Ratio Lower Upper
117 100
119 95.5 75.8 113.8
201 122.9 95.8 143.8





#19
n-Nitroso-di-n-propylamine
Concen: 4.832 ng
RT: 8.716 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

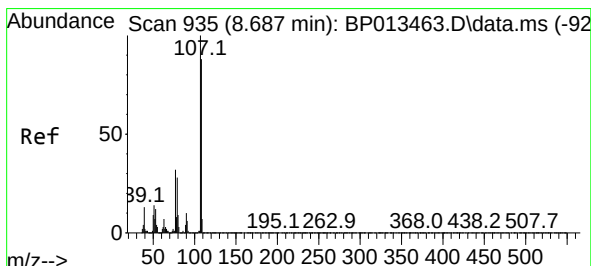
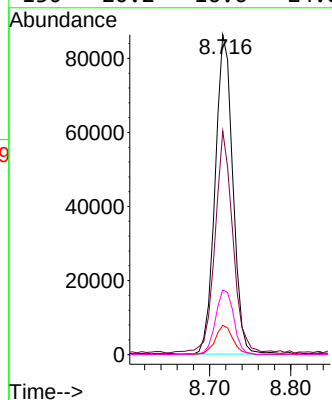
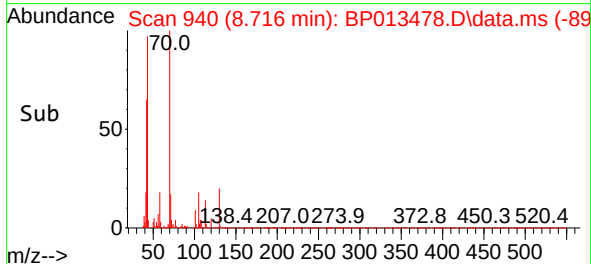
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



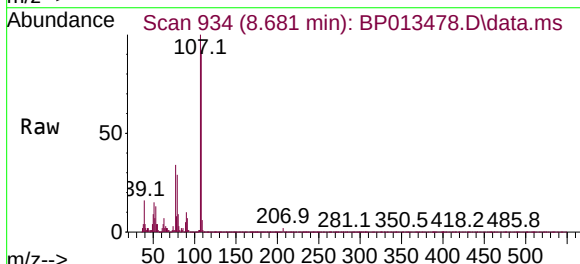
Tgt Ion: 70 Resp: 130796
Ion Ratio Lower Upper
70 100
42 69.9 51.1 76.7
101 9.1 7.8 11.8
130 20.2 16.6 24.8

Manual Integrations
APPROVED

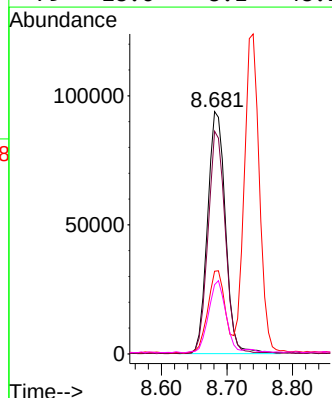
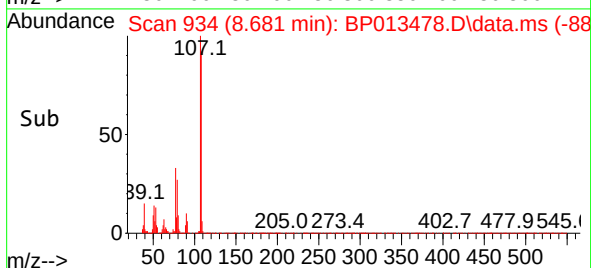
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

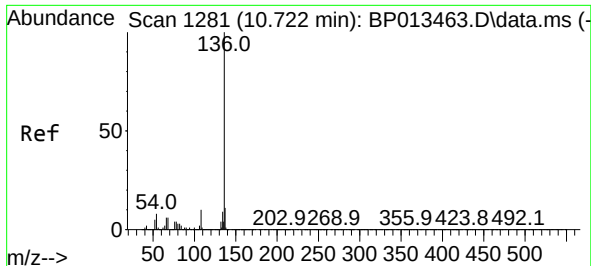


#20
3+4-Methylphenols
Concen: 4.420 ng
RT: 8.681 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



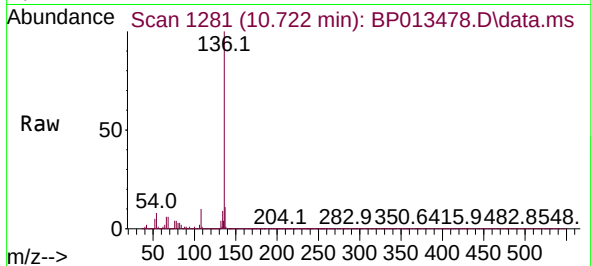
Tgt Ion:107 Resp: 177969
Ion Ratio Lower Upper
107 100
108 91.9 68.1 108.1
77 34.1 12.3 52.3
79 28.6 8.1 48.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

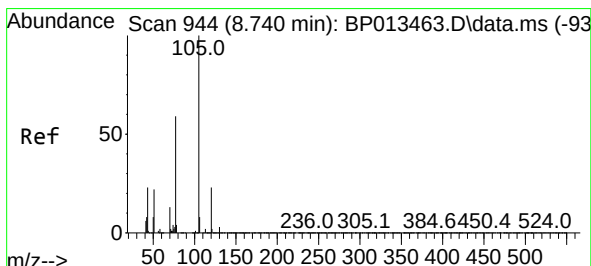
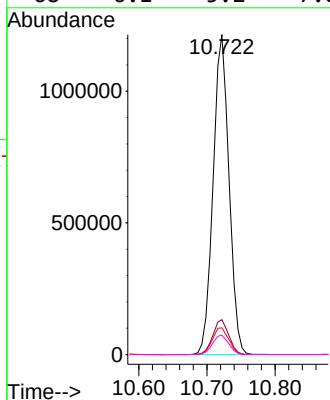
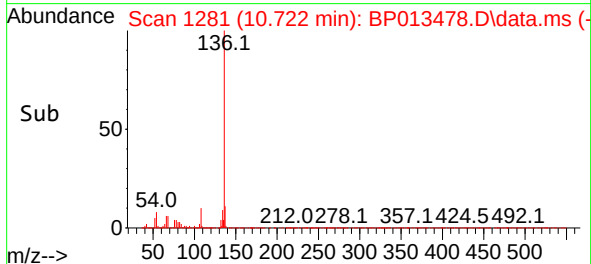
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:136 Resp: 1957275
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.4 6.6 10.0
68 6.1 5.2 7.8

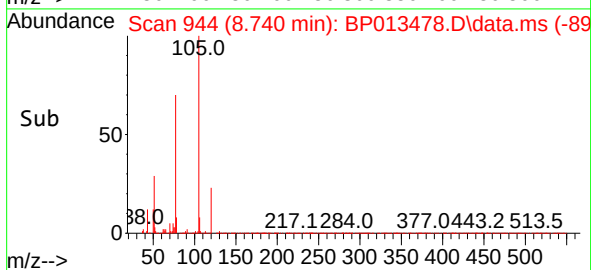
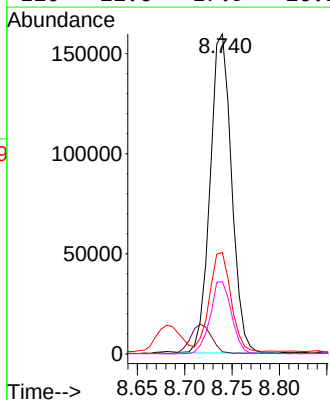
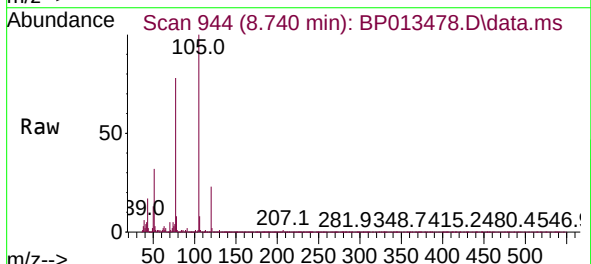
Manual Integrations
APPROVED

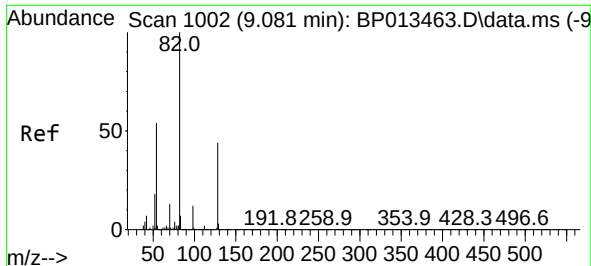
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#22
Acetophenone
Concen: 5.015 ng
RT: 8.740 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

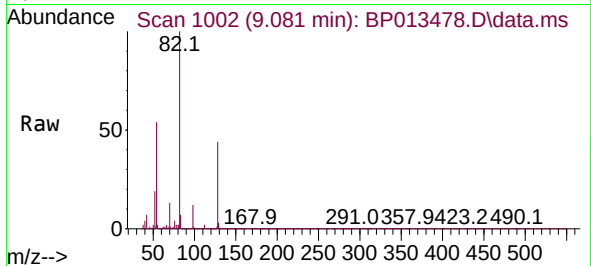
Tgt Ion:105 Resp: 251378
Ion Ratio Lower Upper
105 100
71 0.7 2.1 3.1#
51 31.7 23.3 34.9
120 22.6 17.9 26.9





#23
Nitrobenzene-d5
Concen: 89.078 ng
RT: 9.081 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

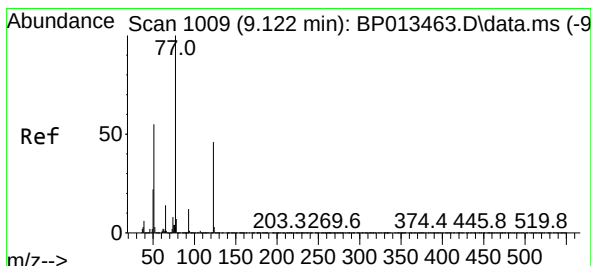
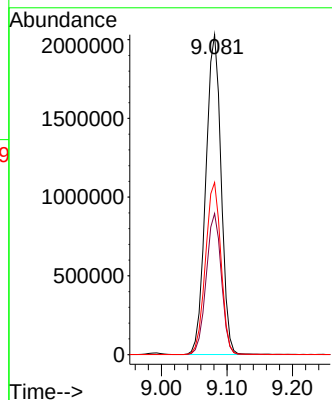
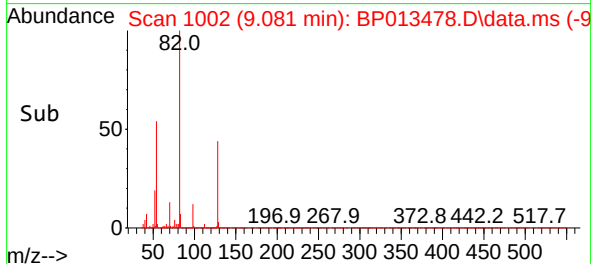
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 82 Resp: 3281703
Ion Ratio Lower Upper
82 100
128 44.1 35.4 53.0
54 53.8 42.8 64.2

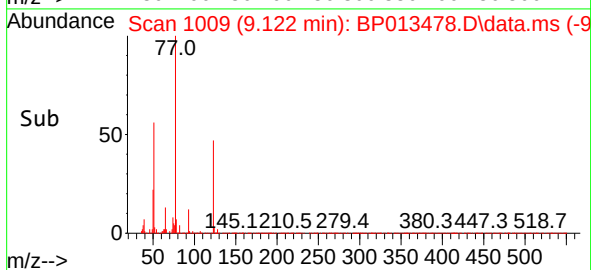
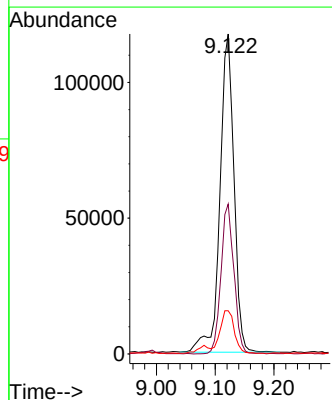
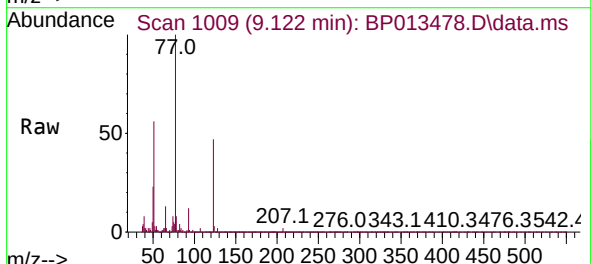
Manual Integrations
APPROVED

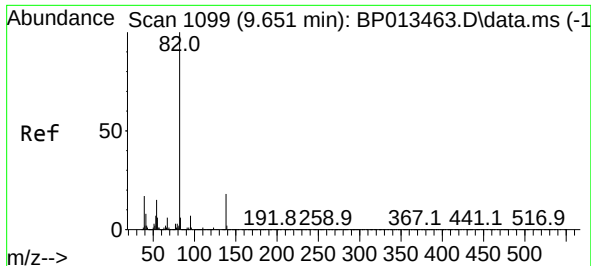
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#24
Nitrobenzene
Concen: 5.124 ng
RT: 9.122 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

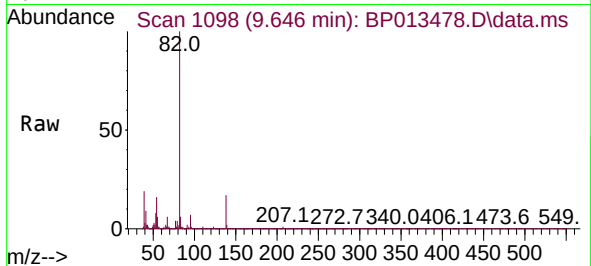
Tgt Ion: 77 Resp: 195274
Ion Ratio Lower Upper
77 100
123 46.8 36.5 54.7
65 13.5 11.0 16.6





#25
Isophorone
Concen: 4.804 ng
RT: 9.646 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

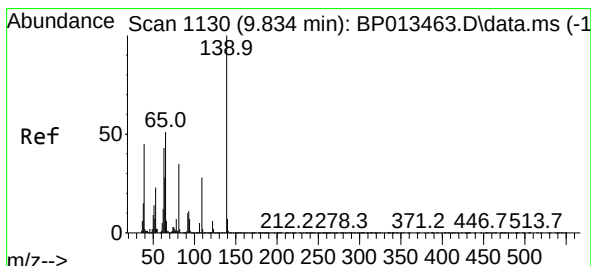
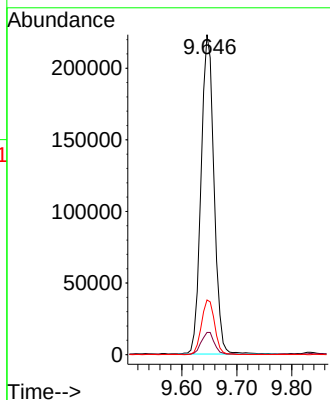
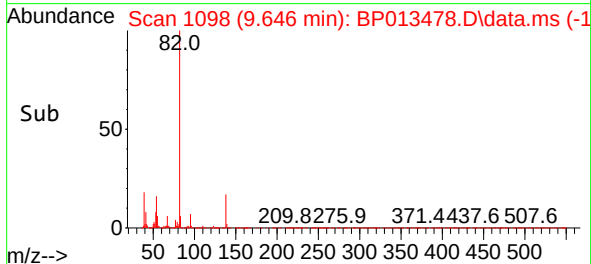
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 82 Resp: 364314
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 17.1 14.5 21.7

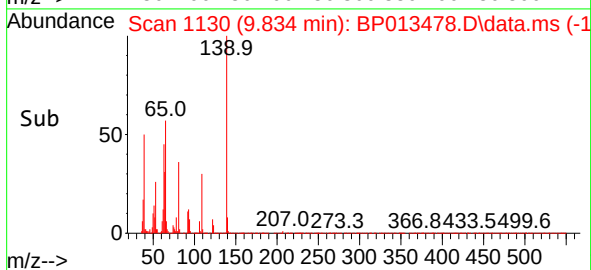
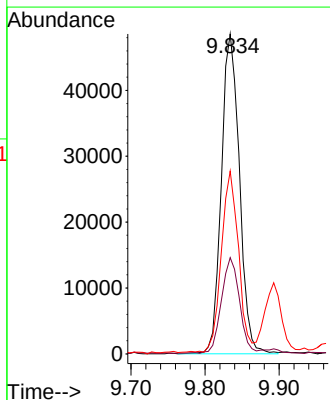
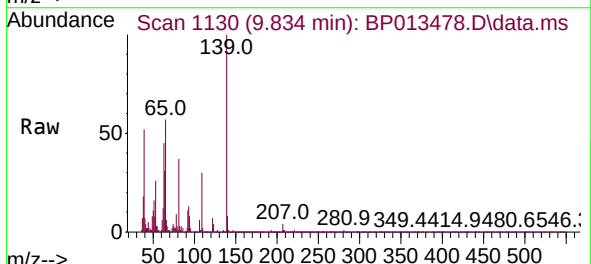
Manual Integrations
APPROVED

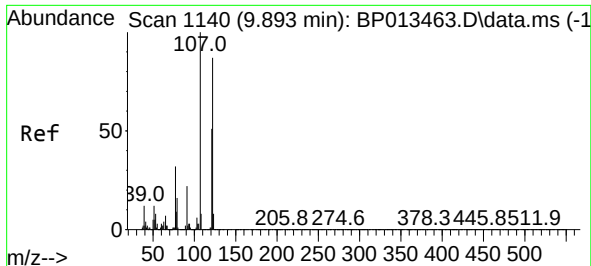
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#26
2-Nitrophenol
Concen: 4.365 ng
RT: 9.834 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:139 Resp: 82216
Ion Ratio Lower Upper
139 100
109 30.1 22.5 33.7
65 57.1 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 4.826 ng

RT: 9.893 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:122 Resp: 149660

Ion Ratio Lower Upper

122 100

107 114.2 91.6 137.4

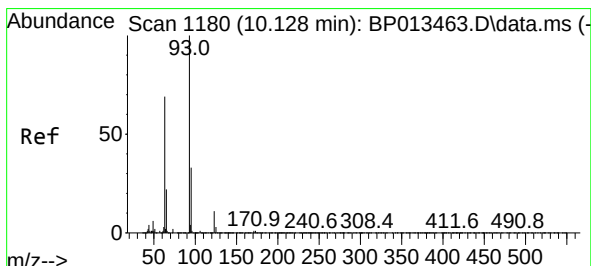
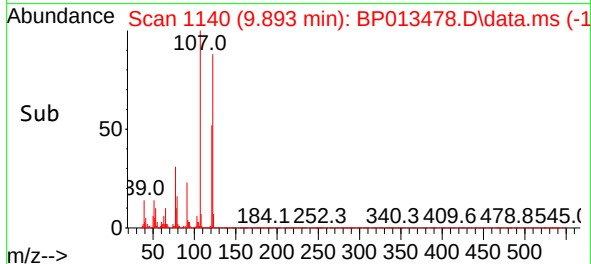
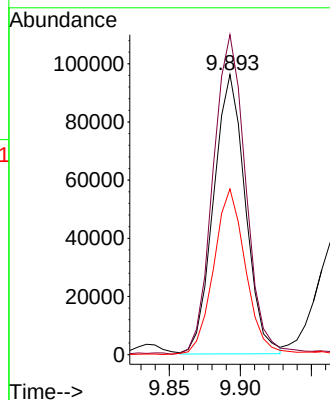
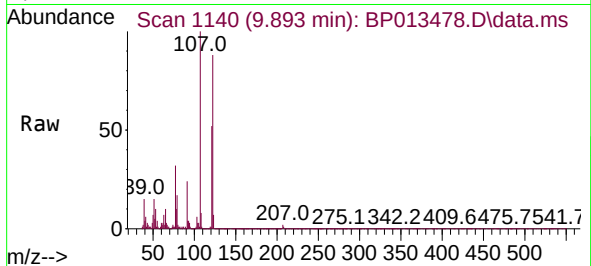
121 59.2 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#28

bis(2-Chloroethoxy)methane

Concen: 4.989 ng

RT: 10.128 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

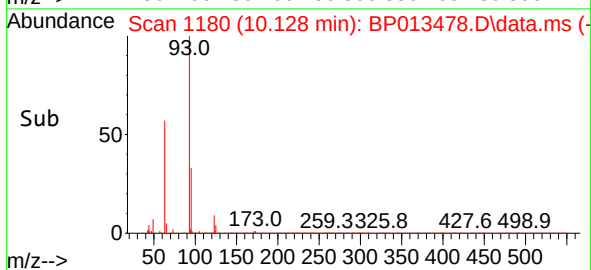
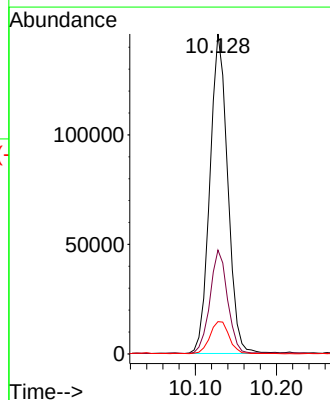
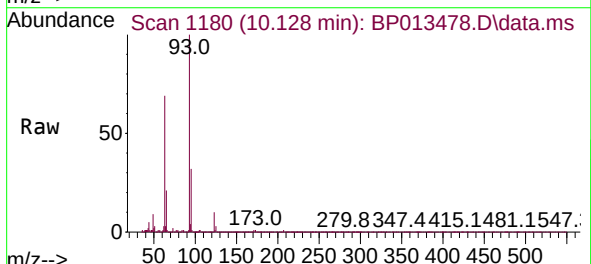
Tgt Ion: 93 Resp: 223132

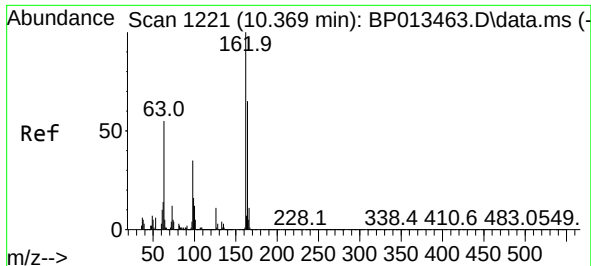
Ion Ratio Lower Upper

93 100

95 32.4 26.1 39.1

123 10.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 4.640 ng

RT: 10.369 min Scan# 1221

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

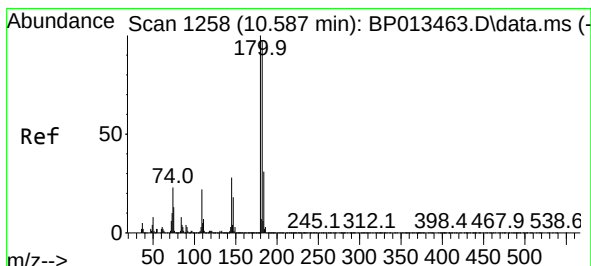
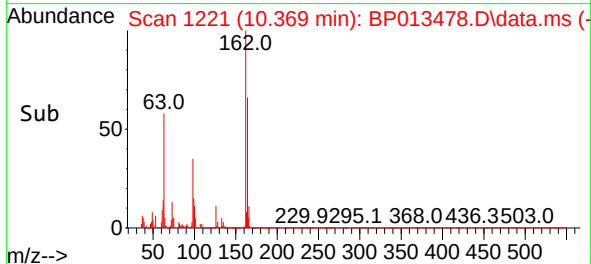
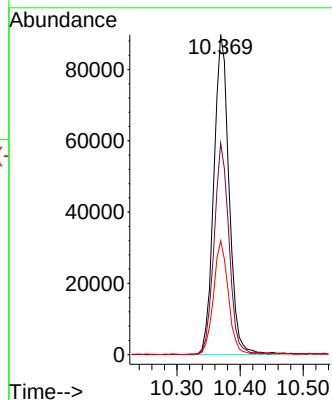
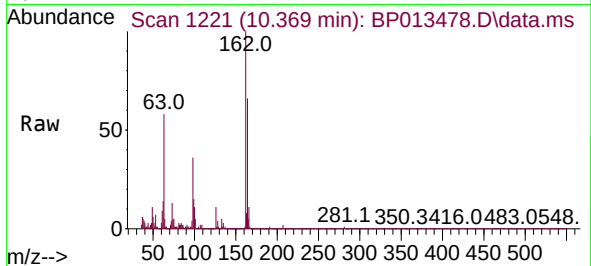
Tgt Ion:	162	Resp:	150974
Ion Ratio	Lower	Upper	
162	100		
164	66.1	45.4	85.4
98	35.5	14.8	54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#30

1,2,4-Trichlorobenzene

Concen: 5.182 ng

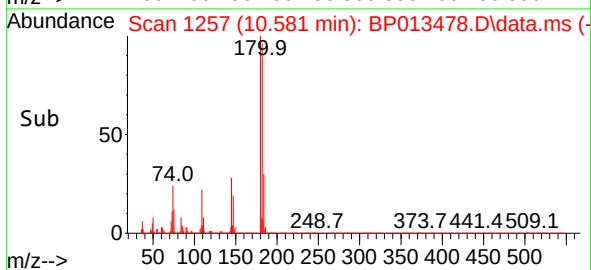
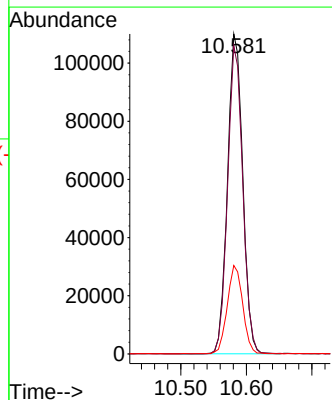
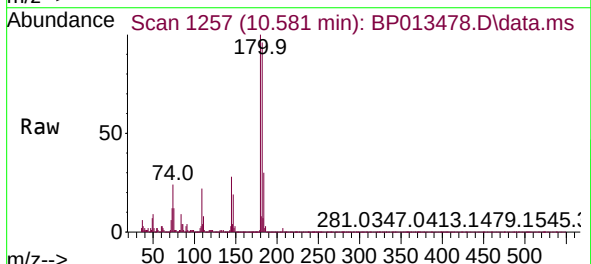
RT: 10.581 min Scan# 1257

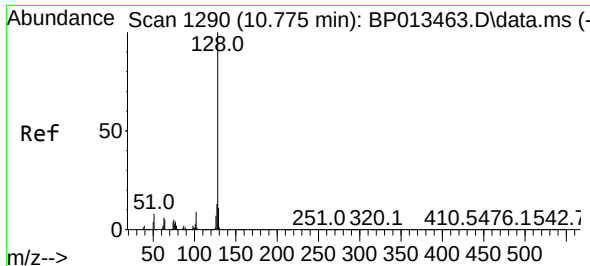
Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

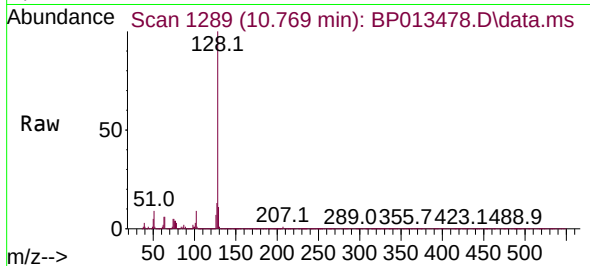
Tgt Ion:	180	Resp:	178442
Ion Ratio	Lower	Upper	
180	100		
182	96.2	77.3	115.9
145	27.6	22.8	34.2





#31
Naphthalene
Concen: 4.971 ng
RT: 10.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

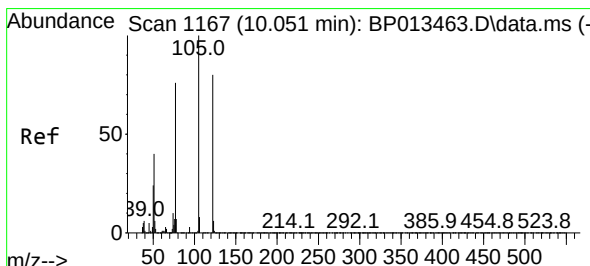
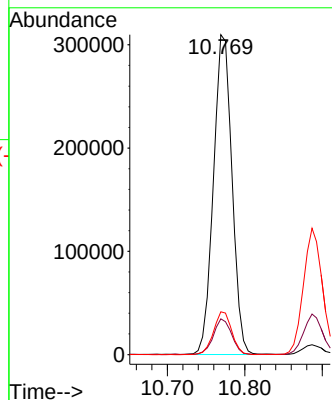
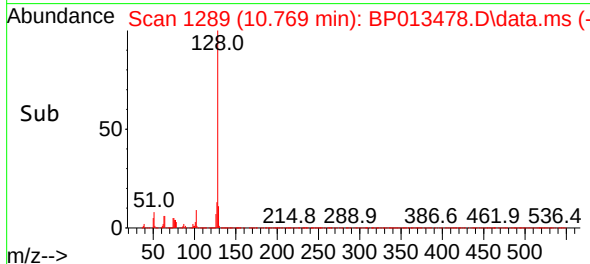
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2022



Tgt Ion:128 Resp: 514514
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.4 10.6 16.0

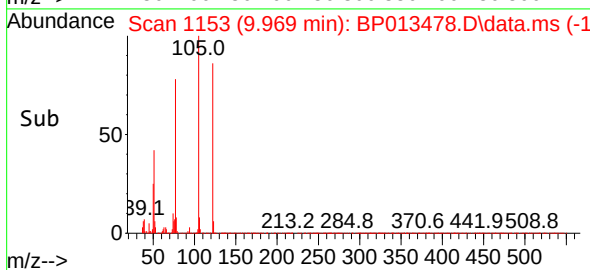
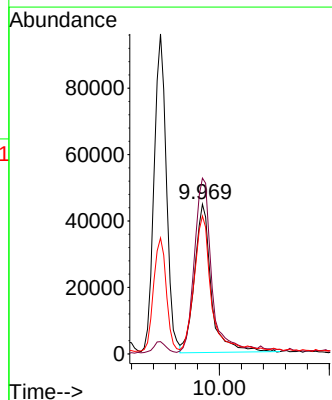
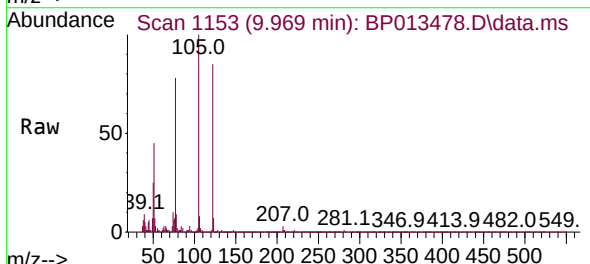
Manual Integrations
APPROVED

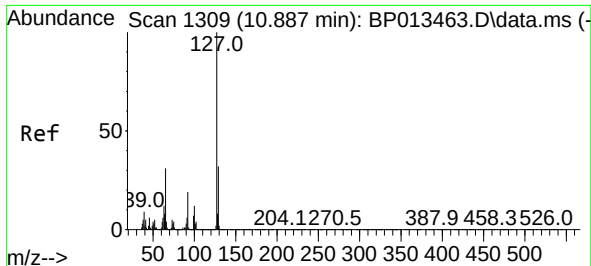
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#32
Benzoic acid
Concen: 3.654 ng
RT: 9.969 min Scan# 1153
Delta R.T. -0.082 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

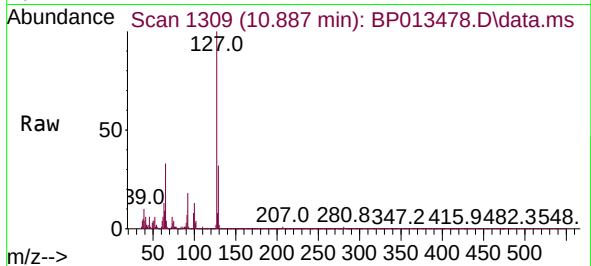
Tgt Ion:122 Resp: 94511
Ion Ratio Lower Upper
122 100
105 117.5 102.7 142.7
77 92.1 74.0 114.0





#33
4-Chloroaniline
Concen: 4.433 ng
RT: 10.887 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

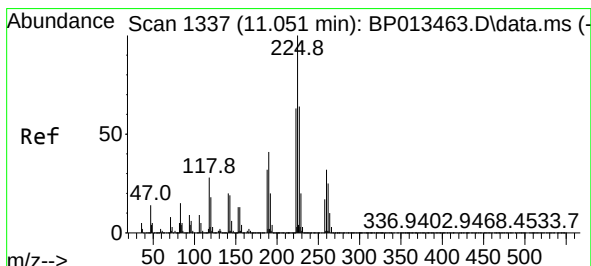
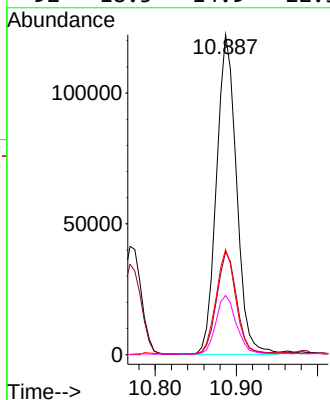
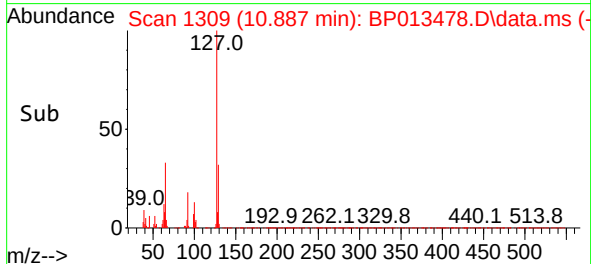


Tgt Ion:127 Resp: 209590

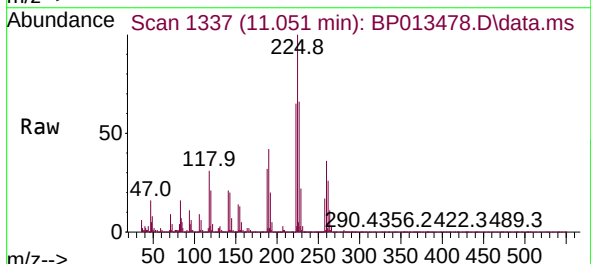
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.6	38.4
65	32.8	25.2	37.8
92	18.5	14.9	22.3

Manual Integrations
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Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

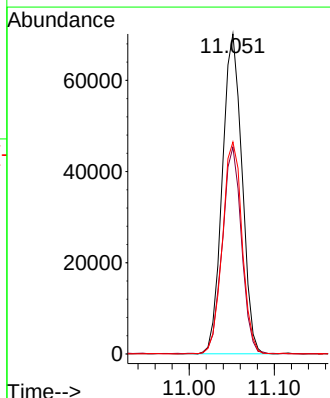
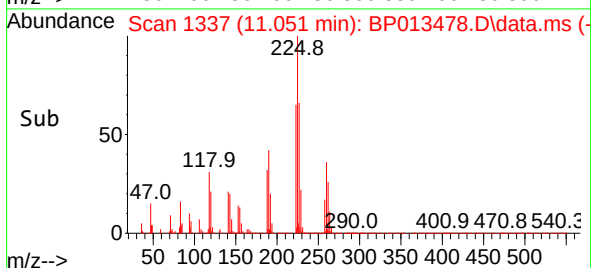


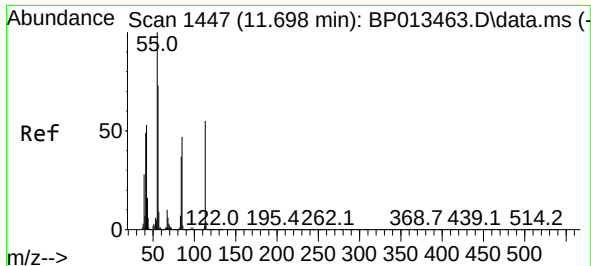
#34
Hexachlorobutadiene
Concen: 5.170 ng
RT: 11.051 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



Tgt Ion:225 Resp: 112234

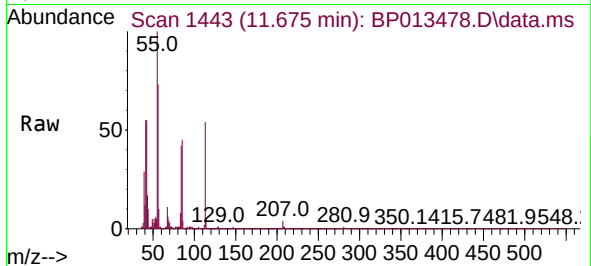
Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.0	75.0
227	66.2	51.0	76.6





#35
Caprolactam
Concen: 4.458 ng
RT: 11.675 min Scan# 1447
Delta R.T. -0.024 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

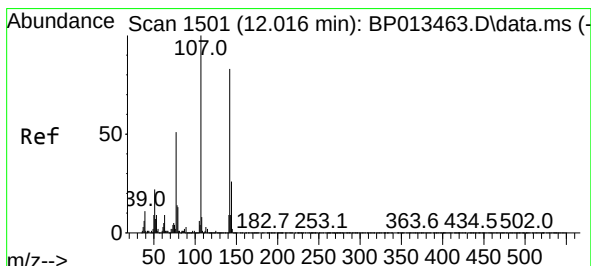
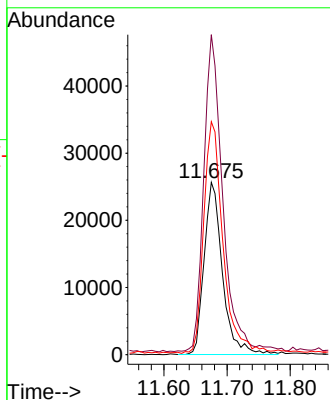
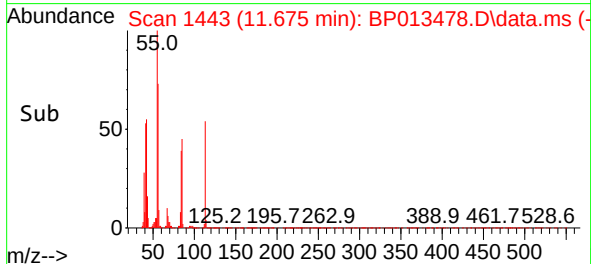
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:113 Resp: 51686
Ion Ratio Lower Upper
113 100
55 185.9 163.1 203.1
56 135.2 113.0 153.0

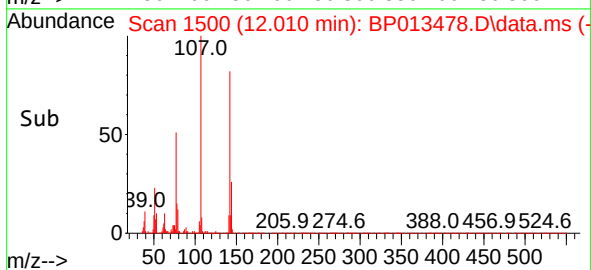
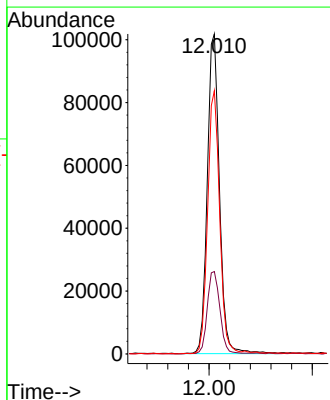
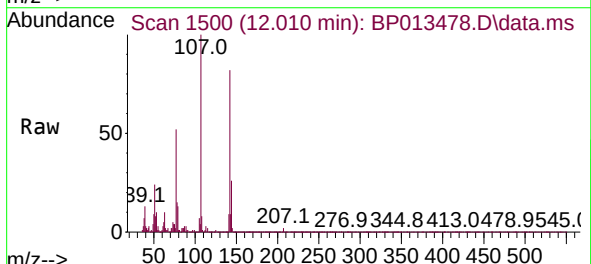
Manual Integrations
APPROVED

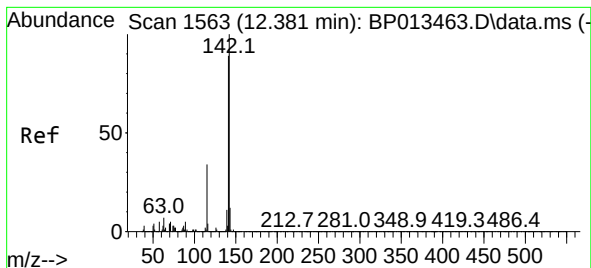
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#36
4-Chloro-3-methylphenol
Concen: 4.694 ng
RT: 12.010 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:107 Resp: 166464
Ion Ratio Lower Upper
107 100
144 25.7 21.2 31.8
142 82.2 66.0 99.0





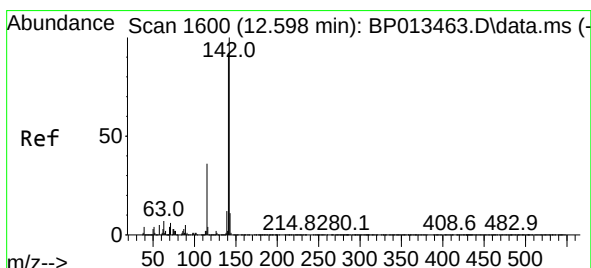
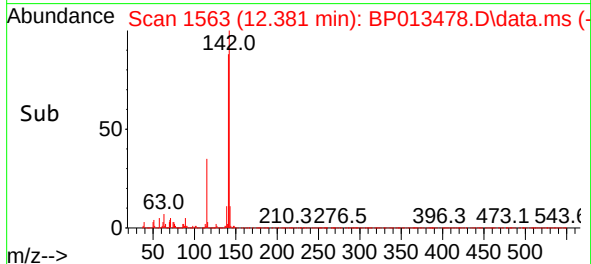
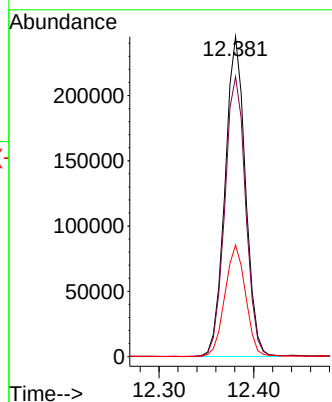
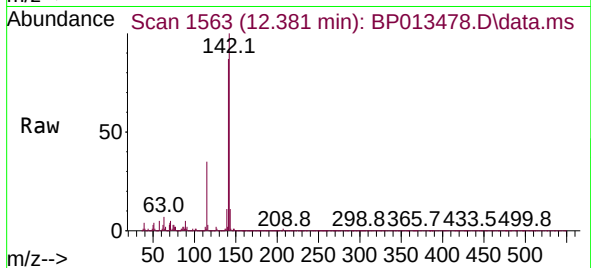
#37
2-Methylnaphthalene
Concen: 4.710 ng
RT: 12.381 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:142 Resp: 365969
Ion Ratio Lower Upper
142 100
141 87.5 71.1 106.7
115 34.9 27.6 41.4

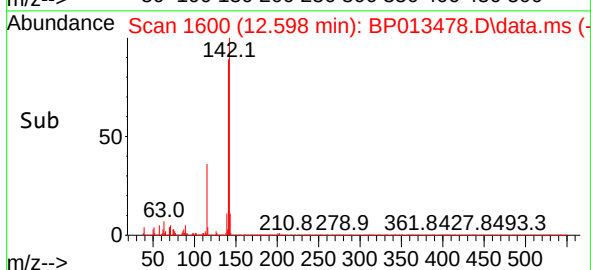
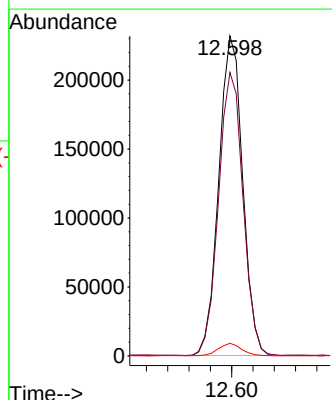
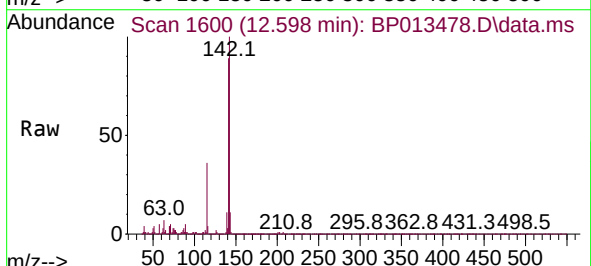
Manual Integrations
APPROVED

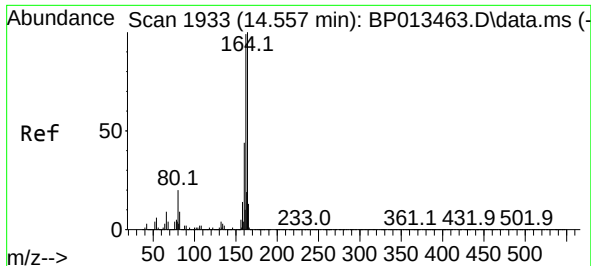
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#38
1-Methylnaphthalene
Concen: 4.928 ng
RT: 12.598 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

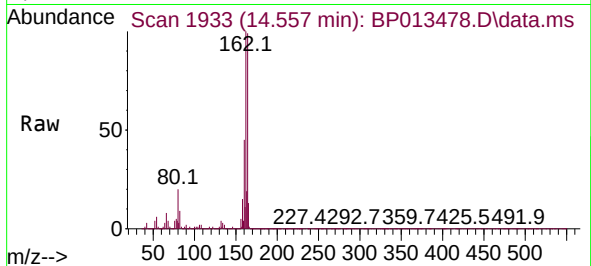
Tgt Ion:142 Resp: 361216
Ion Ratio Lower Upper
142 100
141 88.6 73.3 109.9
116 3.9 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

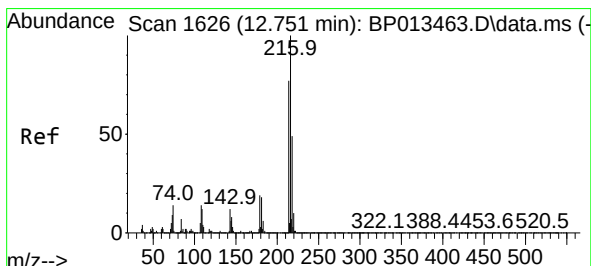
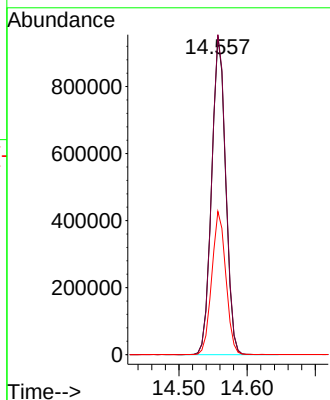
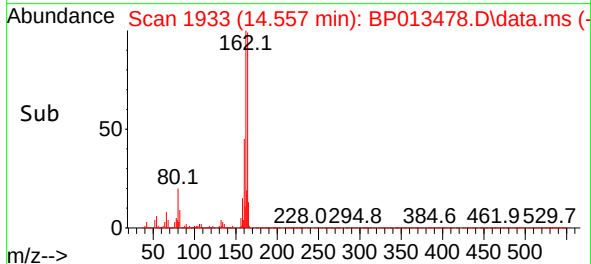
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:164 Resp: 135125
Ion Ratio Lower Upper
164 100
162 100.7 79.5 119.3
160 45.0 35.4 53.0

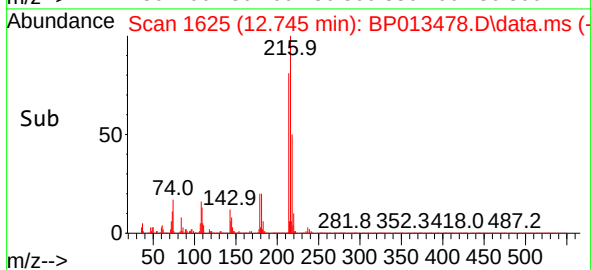
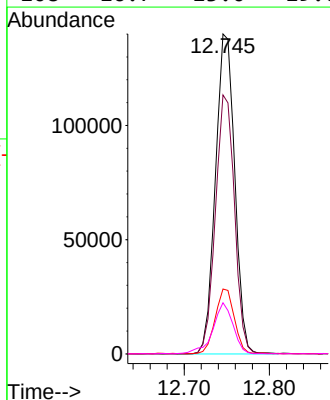
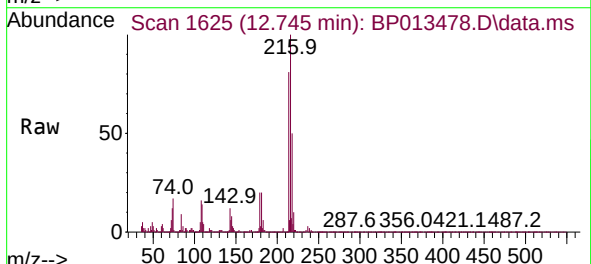
Manual Integrations
APPROVED

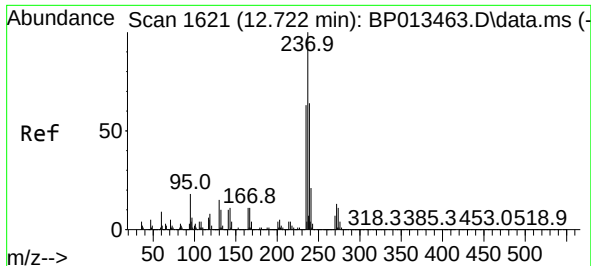
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.975 ng
RT: 12.745 min Scan# 1625
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

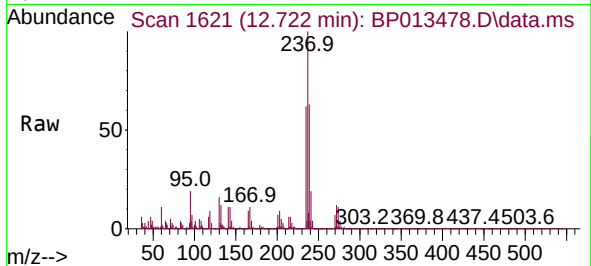
Tgt Ion:216 Resp: 220361
Ion Ratio Lower Upper
216 100
214 80.0 62.1 93.1
179 20.2 15.6 23.4
108 16.7 13.0 19.6





#41
Hexachlorocyclopentadiene
Concen: 4.389 ng
RT: 12.722 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

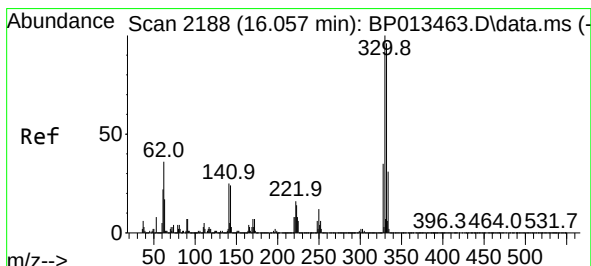
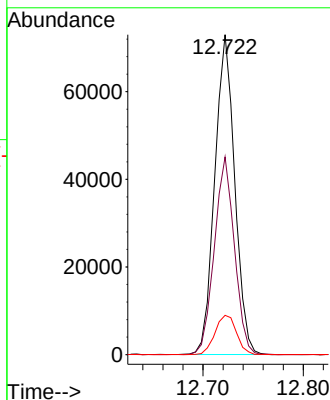
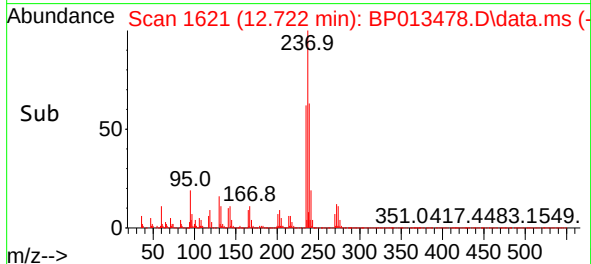
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



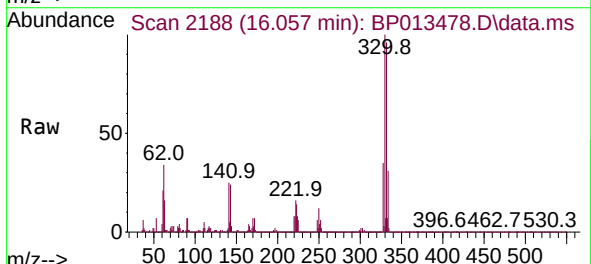
Tgt Ion: 237 Resp: 101350
Ion Ratio Lower Upper
237 100
235 61.8 43.4 83.4
272 12.3 0.0 32.7

Manual Integrations
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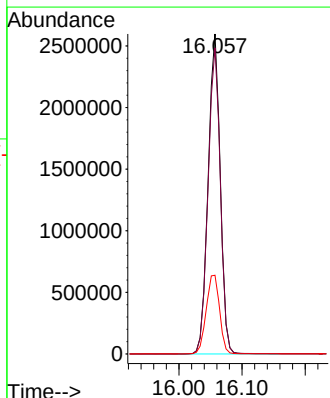
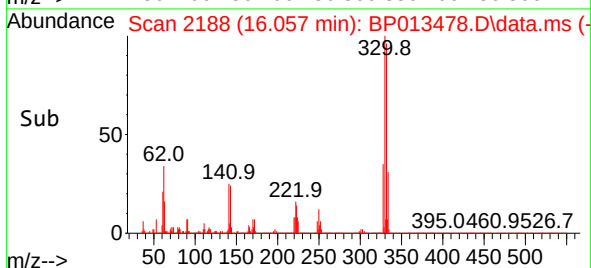
Reviewed By : Christian Giraldo 01/17/2023
Supervised By : Jagrut Upadhyay 01/18/2023

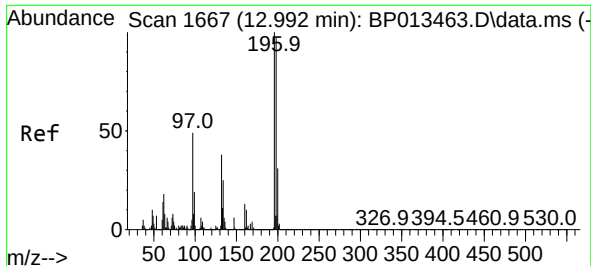


#42
2,4,6-Tribromophenol
Concen: 164.267 ng
RT: 16.057 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



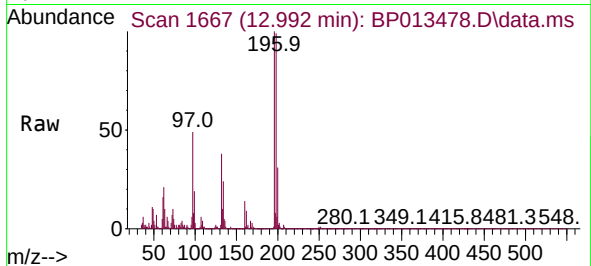
Tgt Ion: 330 Resp: 3464807
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 27.1 22.2 33.4





#43
2,4,6-Trichlorophenol
Concen: 4.499 ng
RT: 12.992 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

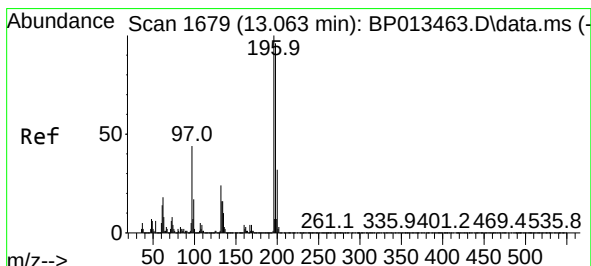
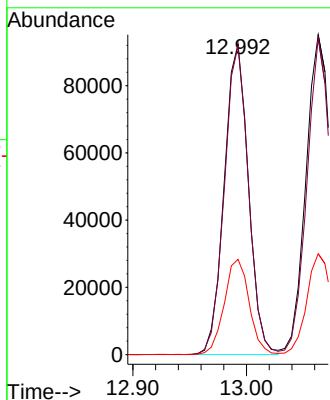
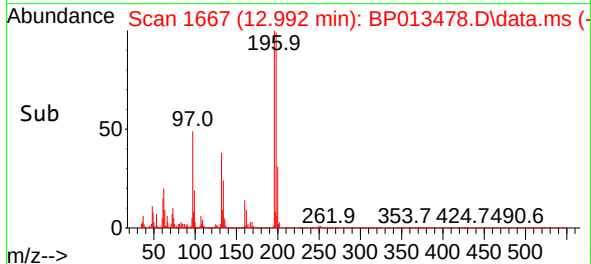
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



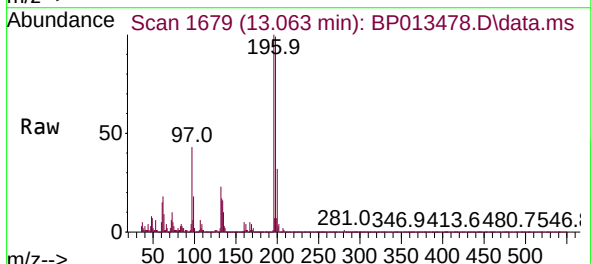
Tgt Ion:196 Resp: 137022
Ion Ratio Lower Upper
196 100
198 99.4 77.4 116.0
200 30.7 24.7 37.1

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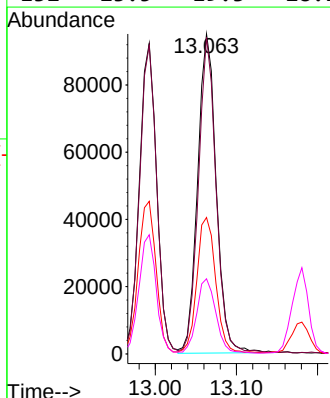
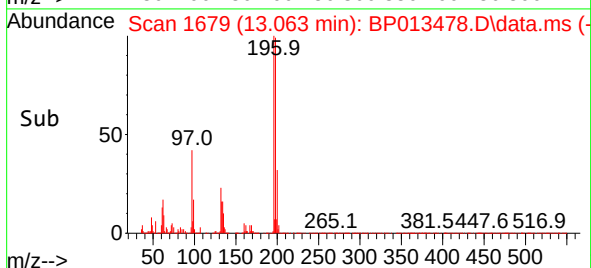
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

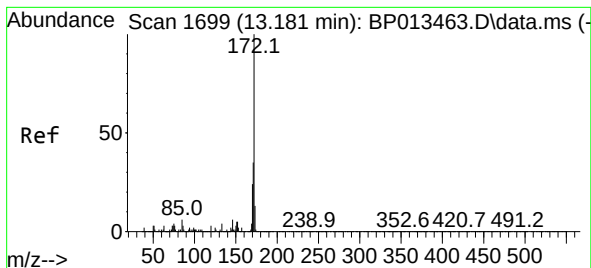


#44
2,4,5-Trichlorophenol
Concen: 4.235 ng
RT: 13.063 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



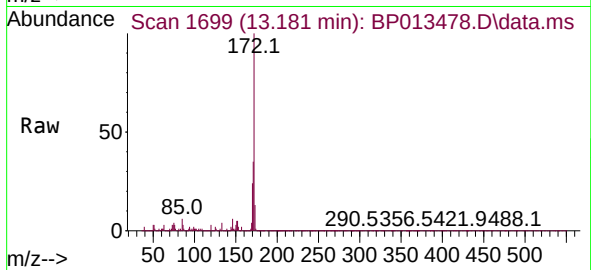
Tgt Ion:196 Resp: 151341
Ion Ratio Lower Upper
196 100
198 99.0 76.8 115.2
97 42.6 34.9 52.3
132 23.5 19.3 28.9





#45
2-Fluorobiphenyl
Concen: 91.528 ng
RT: 13.181 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

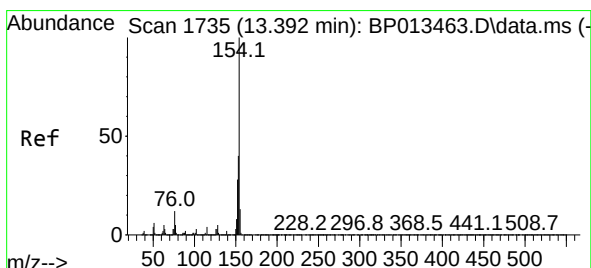
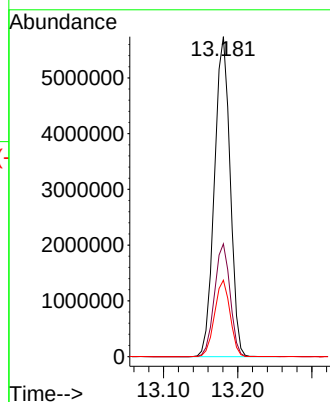
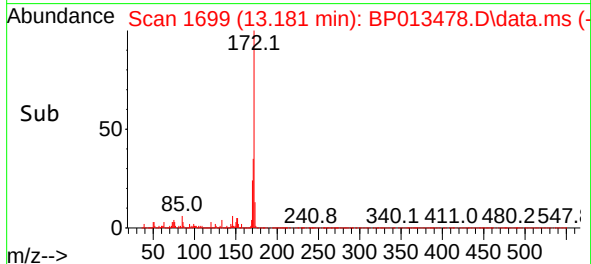
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



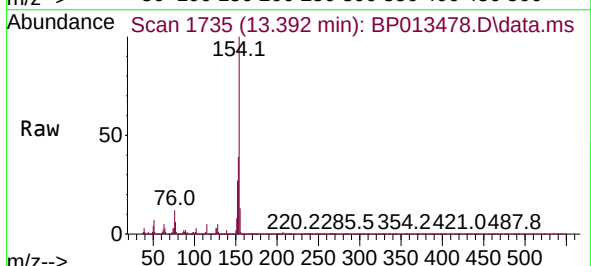
Tgt Ion:172 Resp: 846043
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.9 19.0 28.4

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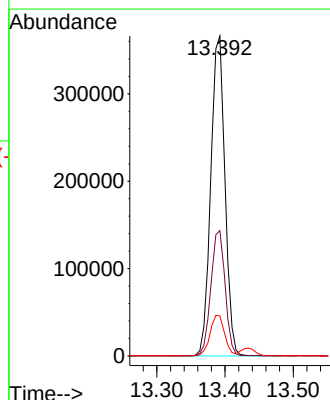
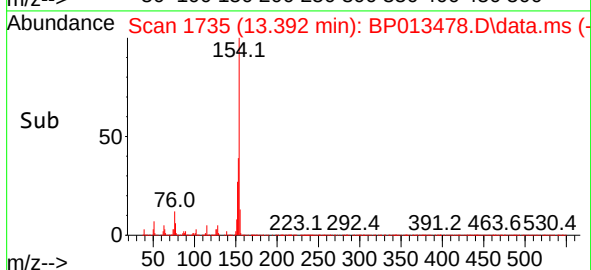
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

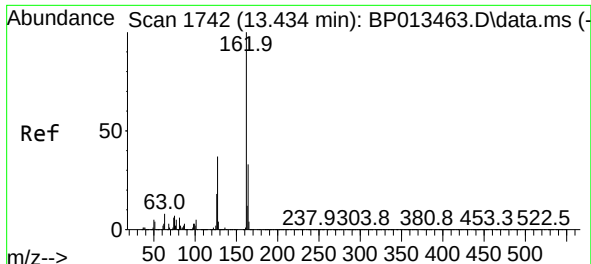


#46
1,1'-Biphenyl
Concen: 5.180 ng
RT: 13.392 min Scan# 1735
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



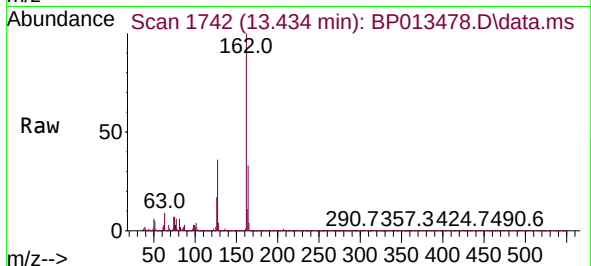
Tgt Ion:154 Resp: 529213
Ion Ratio Lower Upper
154 100
153 39.1 19.9 59.9
76 12.5 0.0 32.5





#47
2-Chloronaphthalene
Concen: 5.104 ng
RT: 13.434 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

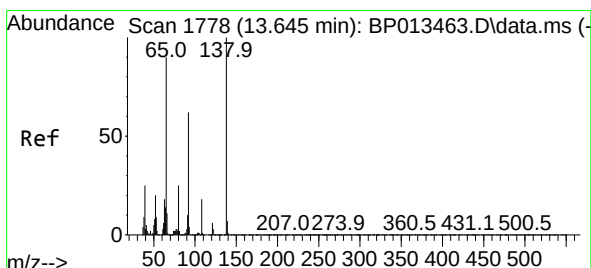
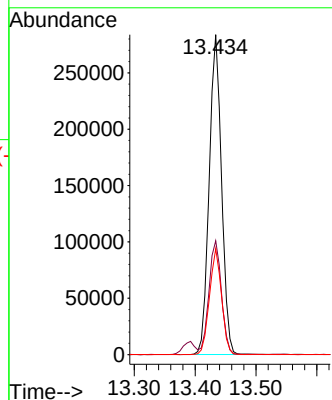
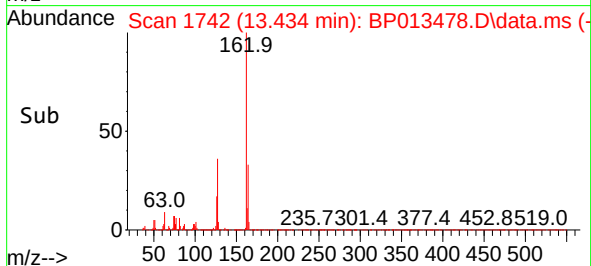
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:162 Resp: 399919
Ion Ratio Lower Upper
162 100
127 35.6 29.8 44.8
164 33.1 26.4 39.6

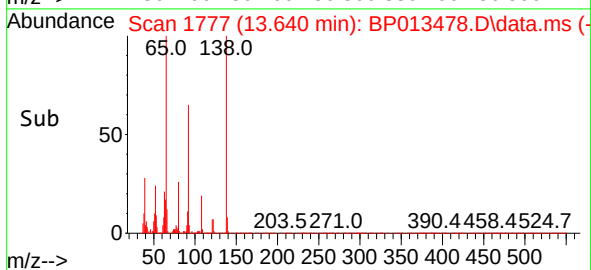
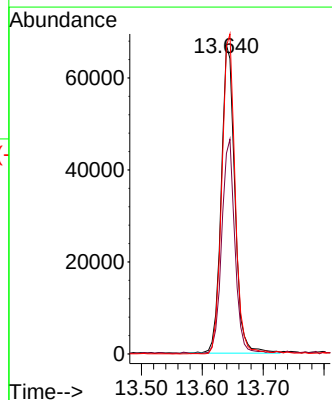
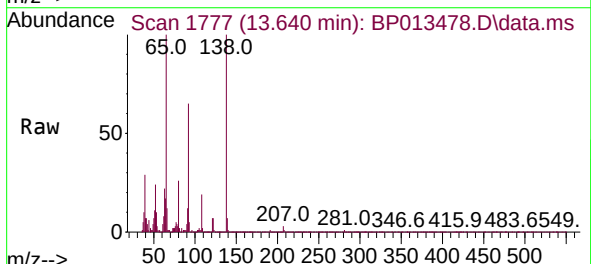
Manual Integrations
APPROVED

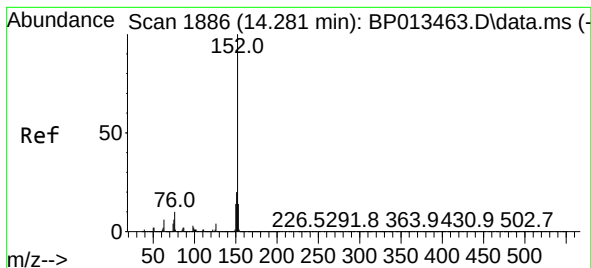
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#48
2-Nitroaniline
Concen: 4.052 ng
RT: 13.640 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion: 65 Resp: 104495
Ion Ratio Lower Upper
65 100
92 64.9 55.1 82.7
138 99.5 88.5 132.7





#49

Acenaphthylene

Concen: 5.002 ng

RT: 14.281 min Scan# 1886

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

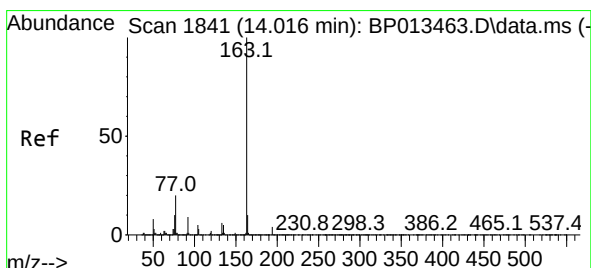
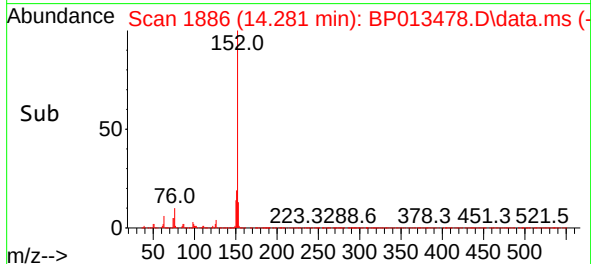
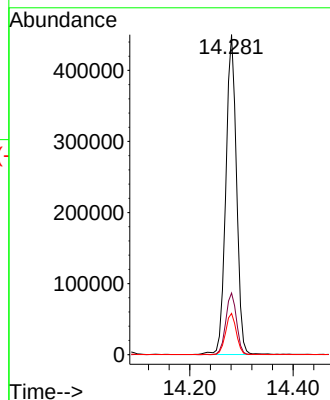
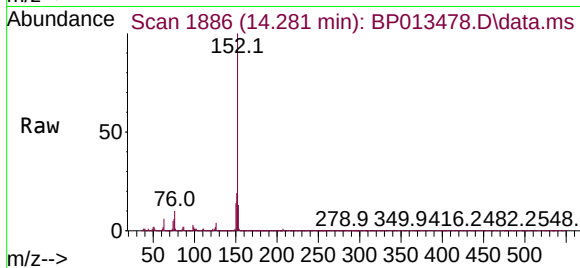
LOQ-SOIL-02-QT2-2022

Tgt Ion:	152	Resp:	646350
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.0	24.0
153	12.9	10.9	16.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#50

Dimethylphthalate

Concen: 4.831 ng

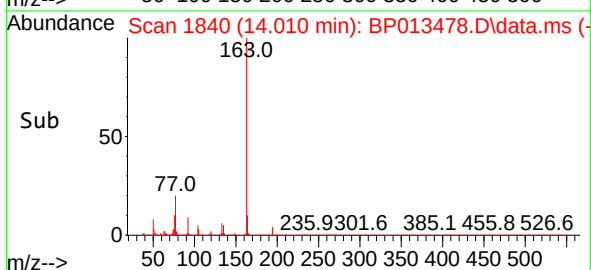
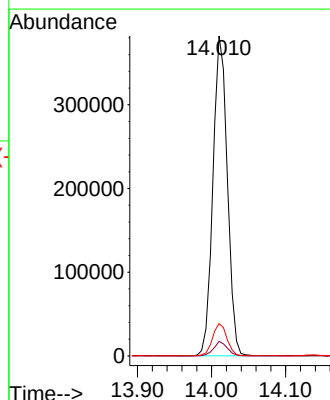
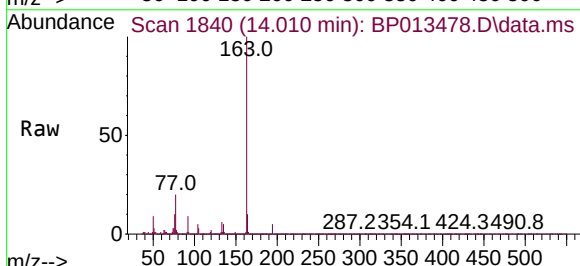
RT: 14.010 min Scan# 1840

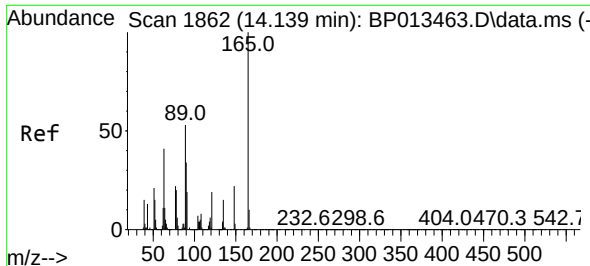
Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Tgt Ion:	163	Resp:	517637
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.2
164	10.1	8.3	12.5





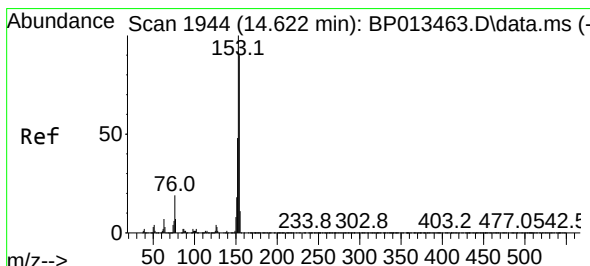
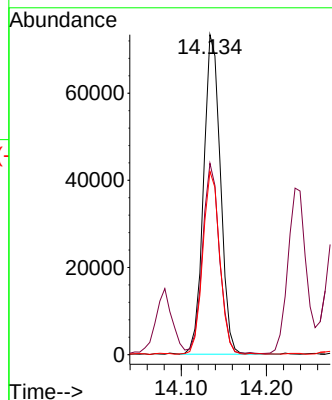
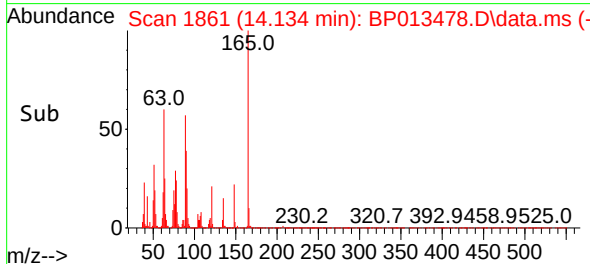
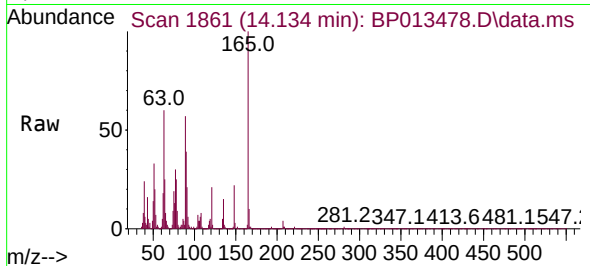
#51
2,6-Dinitrotoluene
Concen: 4.305 ng
RT: 14.134 min Scan# 1862
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2022

Tgt Ion:165 Resp: 100618
Ion Ratio Lower Upper
165 100
63 59.8 42.8 64.2
89 57.2 42.5 63.7

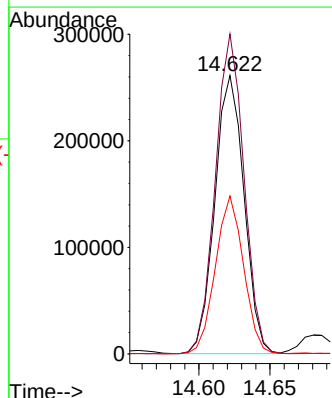
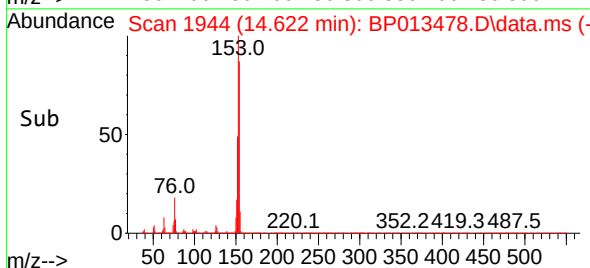
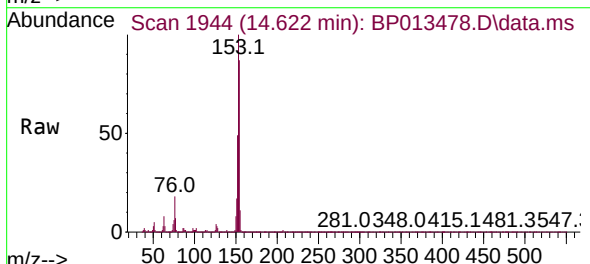
Manual Integrations
APPROVED

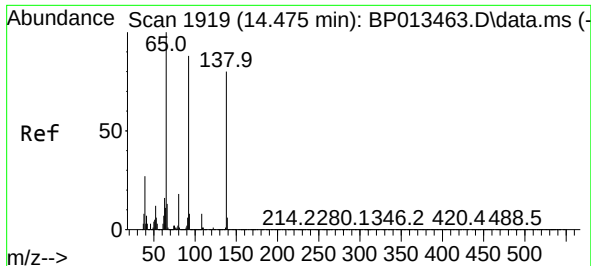
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#52
Acenaphthene
Concen: 4.893 ng
RT: 14.622 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:154 Resp: 374220
Ion Ratio Lower Upper
154 100
153 115.0 89.2 133.8
152 56.7 42.8 64.2





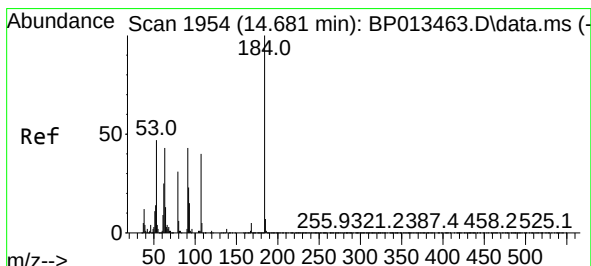
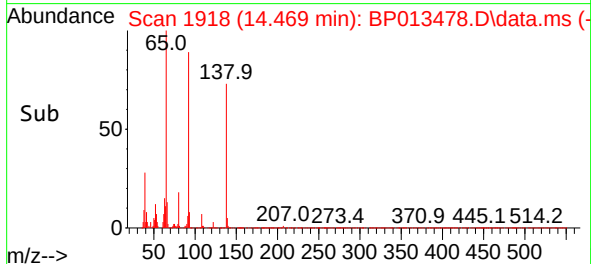
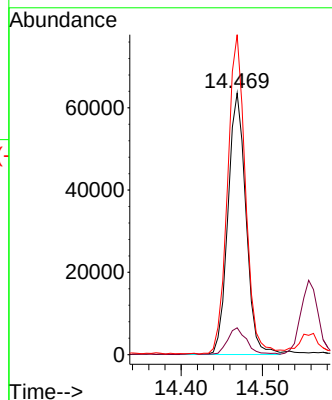
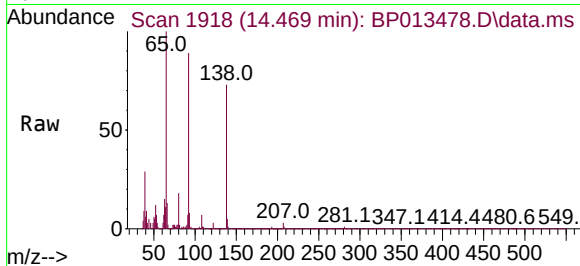
#53
3-Nitroaniline
Concen: 3.903 ng
RT: 14.469 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:138 Resp: 97605
Ion Ratio Lower Upper
138 100
108 10.3 7.7 11.5
92 122.4 88.2 132.2

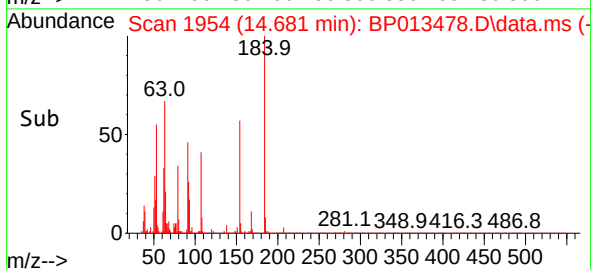
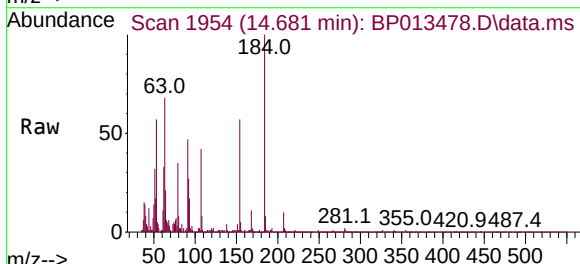
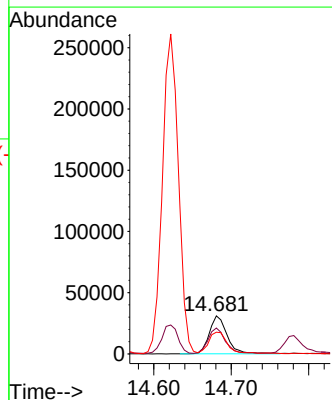
Manual Integrations
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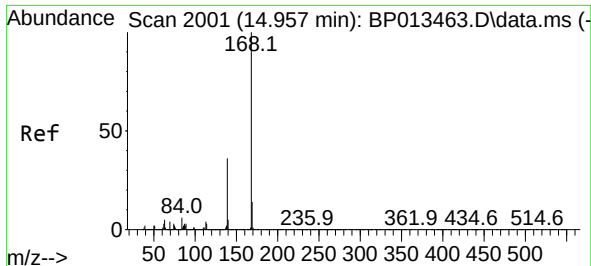
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#54
2,4-Dinitrophenol
Concen: 3.127 ng
RT: 14.681 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

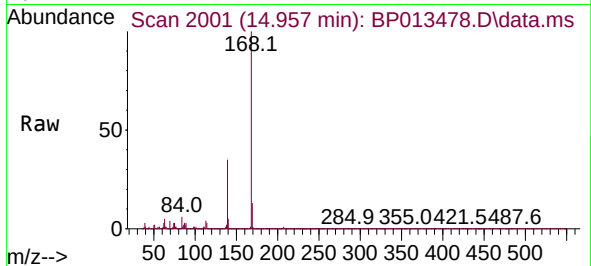
Tgt Ion:184 Resp: 49669
Ion Ratio Lower Upper
184 100
63 68.2 49.8 74.8
154 56.9 45.8 68.8





#55
Dibenzofuran
Concen: 4.974 ng
RT: 14.957 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

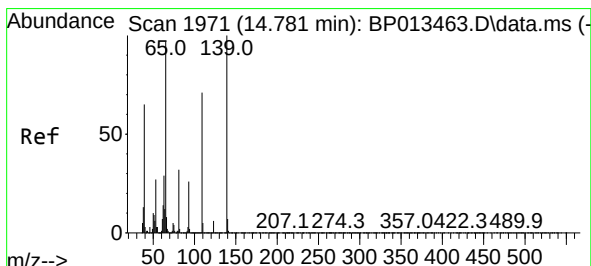
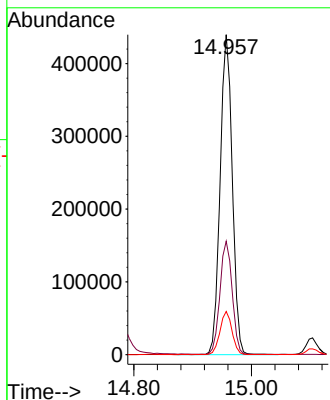
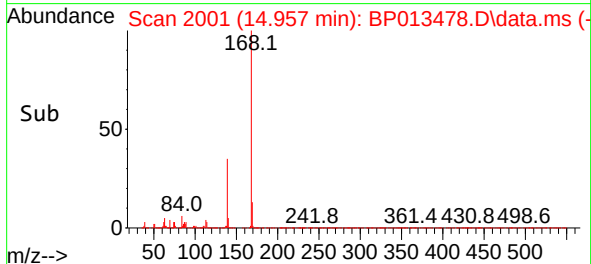
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



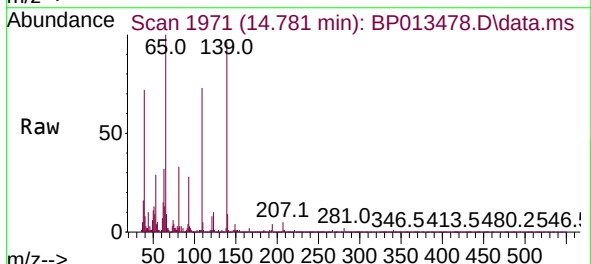
Tgt Ion:168 Resp: 630662
Ion Ratio Lower Upper
168 100
139 35.4 28.6 43.0
169 13.5 11.0 16.6

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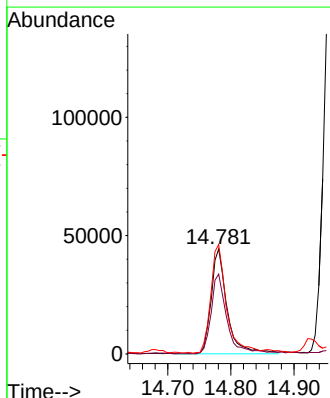
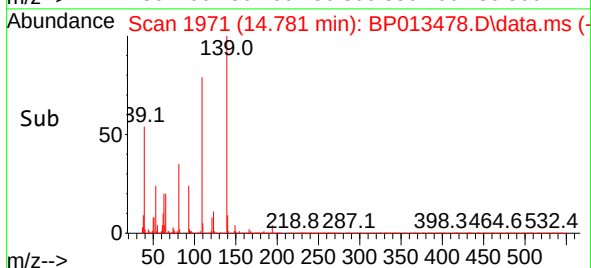
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

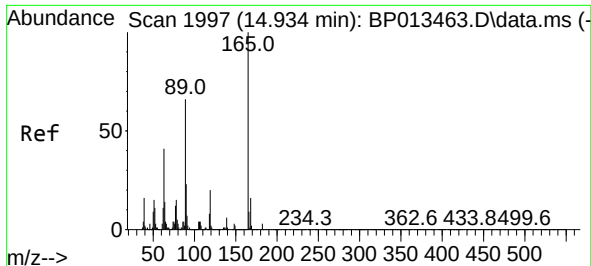


#56
4-Nitrophenol
Concen: 3.880 ng
RT: 14.781 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



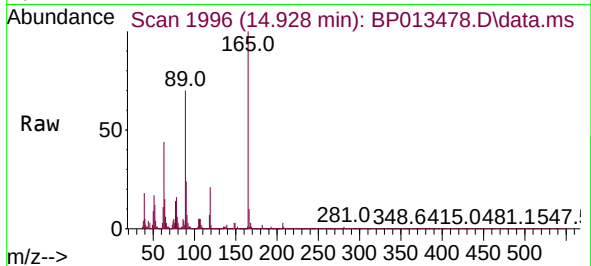
Tgt Ion:139 Resp: 77951
Ion Ratio Lower Upper
139 100
109 76.1 51.0 91.0
65 104.3 77.3 117.3





#57
2,4-Dinitrotoluene
Concen: 4.200 ng
RT: 14.928 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

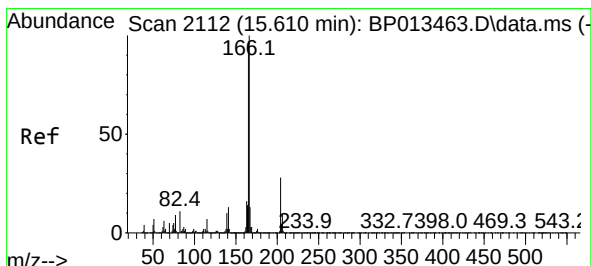
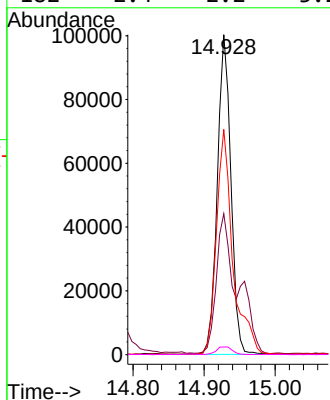
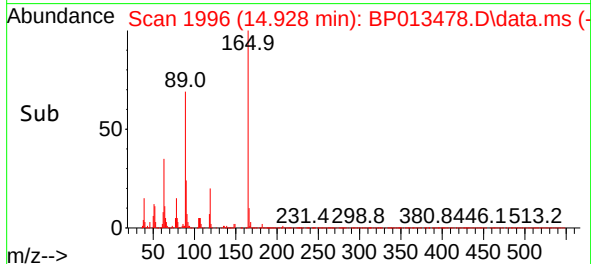
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



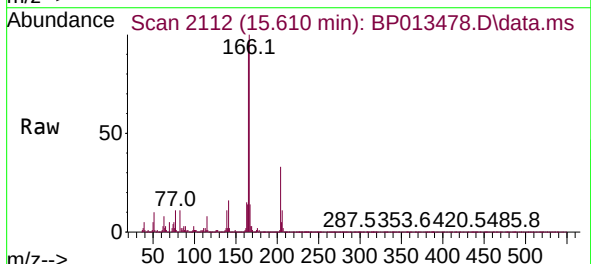
Tgt Ion:165 Resp: 134239
Ion Ratio Lower Upper
165 100
63 44.0 33.3 49.9
89 70.4 52.6 78.8
182 2.4 2.2 3.2

Manual Integrations
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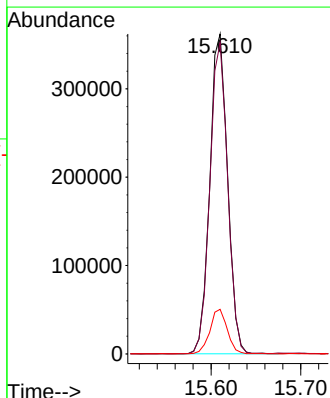
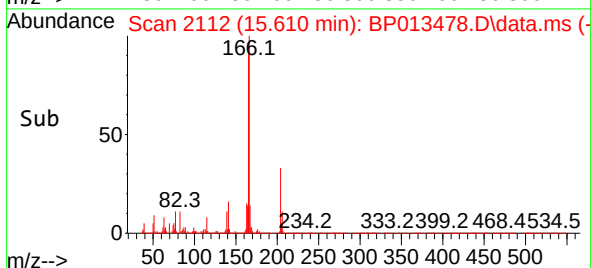
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

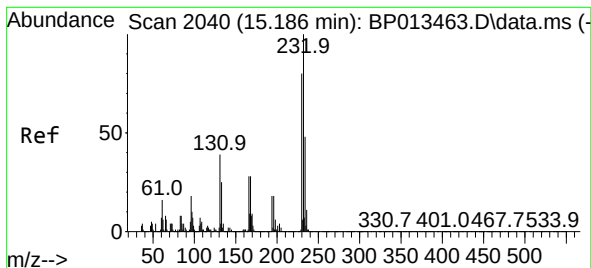


#58
Fluorene
Concen: 5.020 ng
RT: 15.610 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



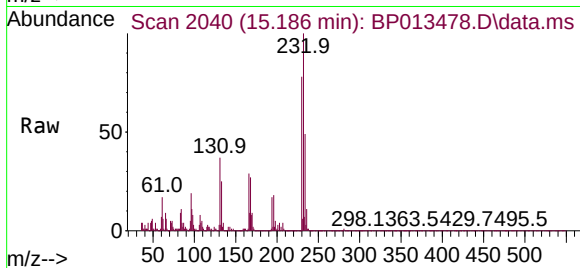
Tgt Ion:166 Resp: 502288
Ion Ratio Lower Upper
166 100
165 97.2 77.9 116.9
167 13.9 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.448 ng
RT: 15.186 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

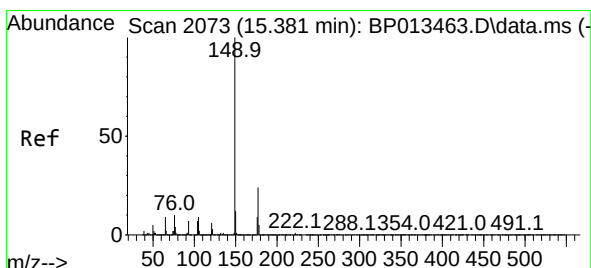
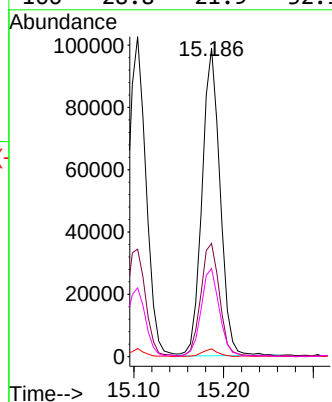
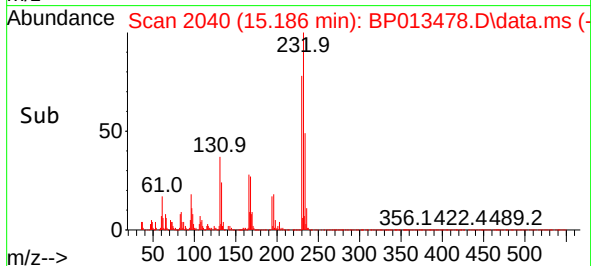
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:232 Resp: 13745
Ion Ratio Lower Upper
232 100
131 37.5 30.3 45.5
130 2.3 1.7 2.5
166 28.8 21.9 32.9

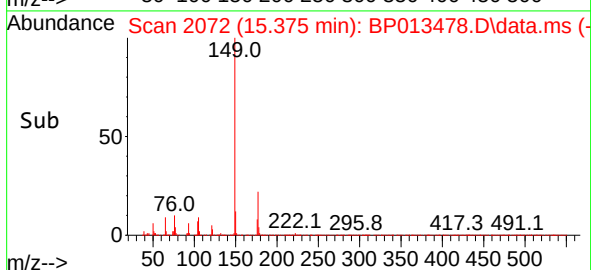
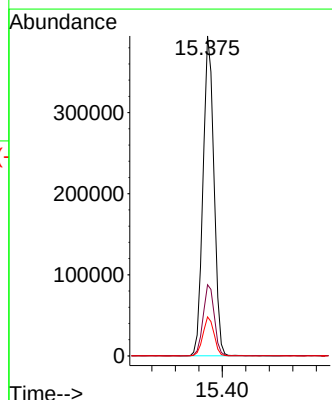
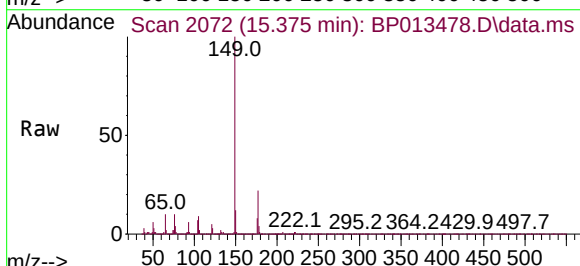
Manual Integrations
APPROVED

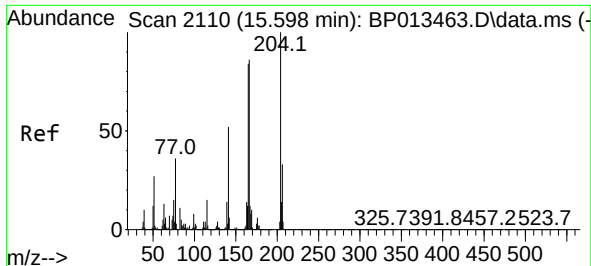
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#60
Diethylphthalate
Concen: 4.862 ng
RT: 15.375 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

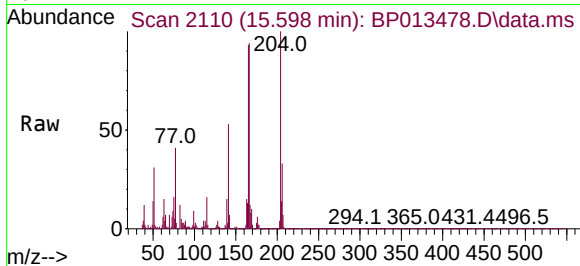
Tgt Ion:149 Resp: 509740
Ion Ratio Lower Upper
149 100
177 22.2 18.8 28.2
150 12.2 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 5.035 ng
RT: 15.598 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

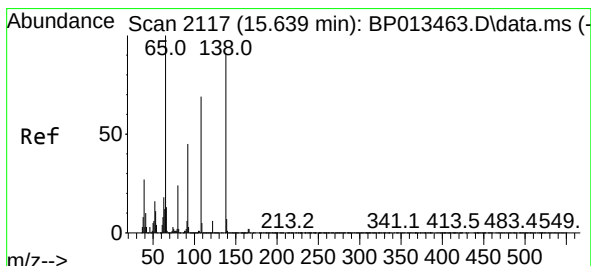
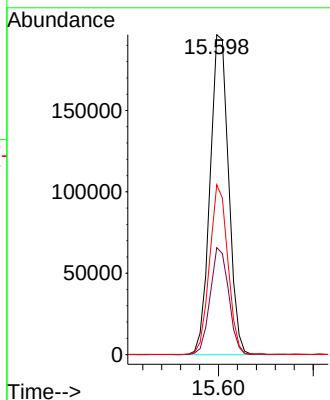
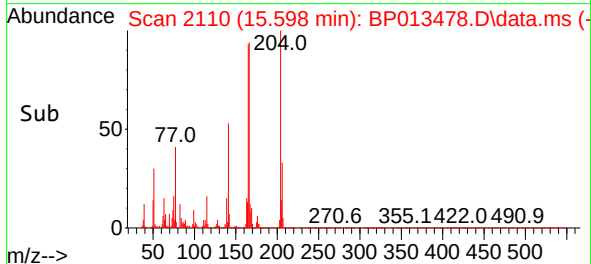
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



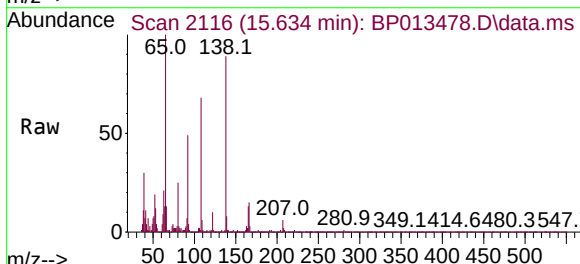
Tgt Ion: 204 Resp: 267554
Ion Ratio Lower Upper
204 100
206 33.4 26.4 39.6
141 53.1 41.3 61.9

Manual Integrations
APPROVED

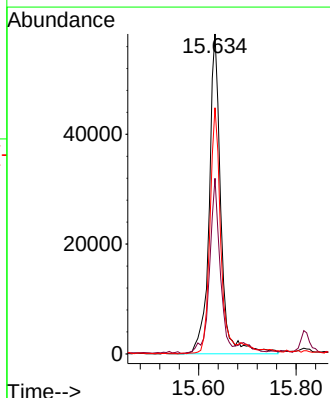
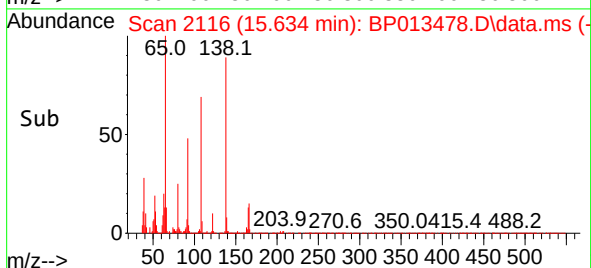
Reviewed By : Christian Giraldo 01/17/2023
Supervised By : Jagrut Upadhyay 01/18/2023

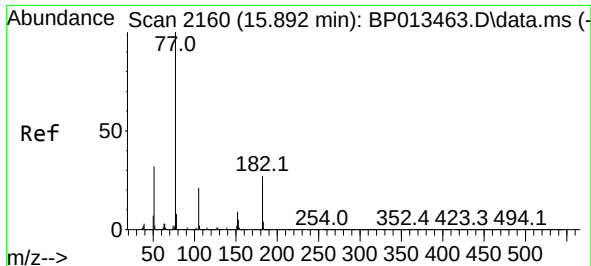


#62
4-Nitroaniline
Concen: 3.823 ng
RT: 15.634 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54



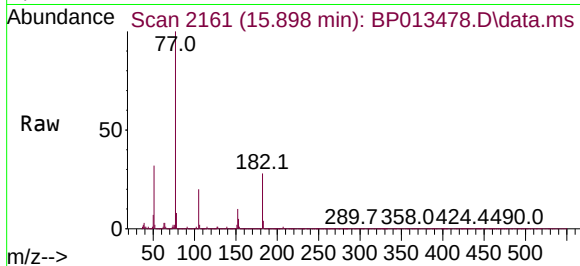
Tgt Ion: 138 Resp: 97872
Ion Ratio Lower Upper
138 100
92 54.9 29.7 69.7
108 76.9 55.8 95.8





#63
Azobenzene
Concen: 4.661 ng
RT: 15.898 min Scan# 2161
Delta R.T. 0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

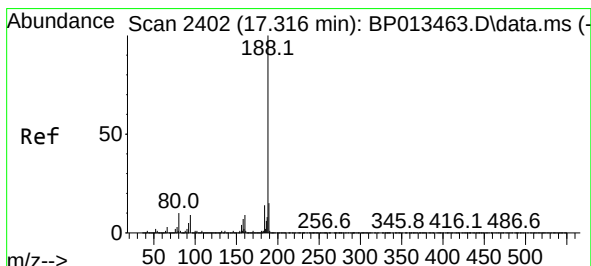
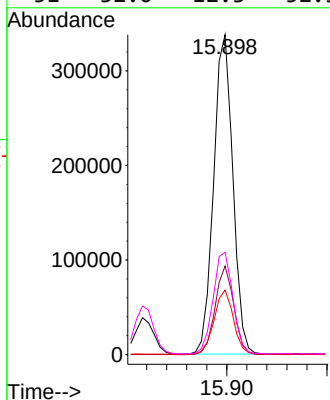
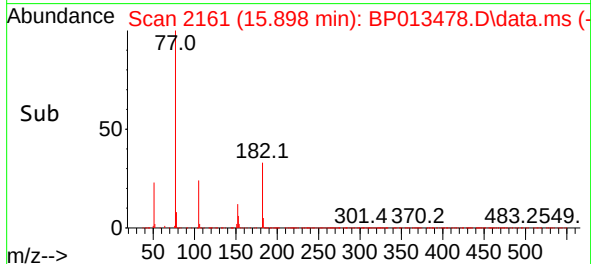
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion: 77 Resp: 448768
Ion Ratio Lower Upper
77 100
182 27.7 7.0 47.0
105 20.2 1.0 41.0
51 32.0 12.3 52.3

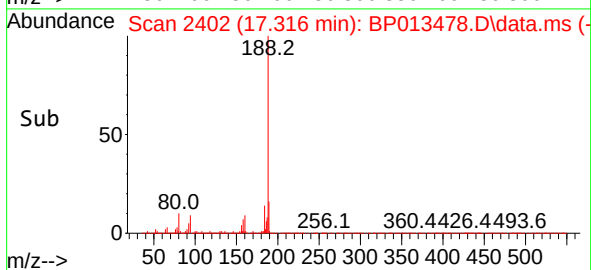
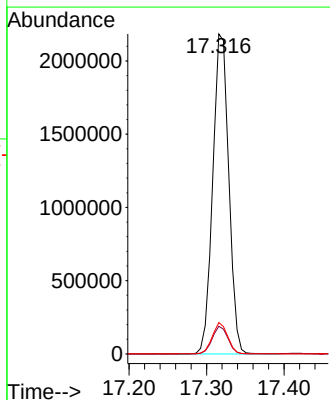
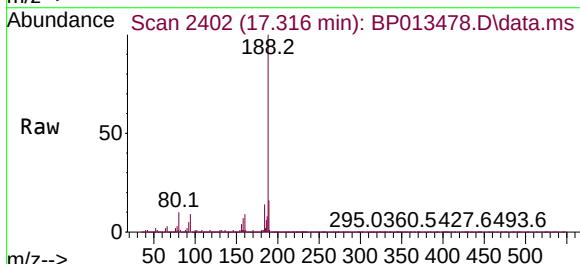
Manual Integrations
APPROVED

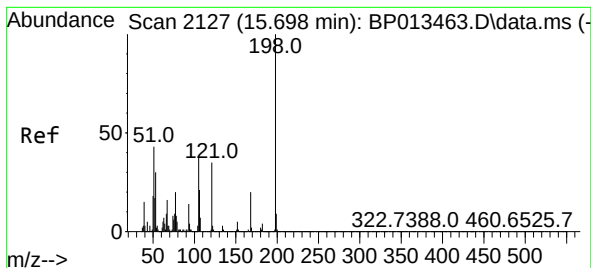
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:188 Resp: 3135900
Ion Ratio Lower Upper
188 100
94 8.6 7.1 10.7
80 9.8 7.9 11.9





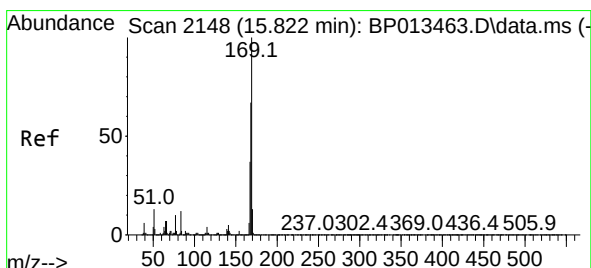
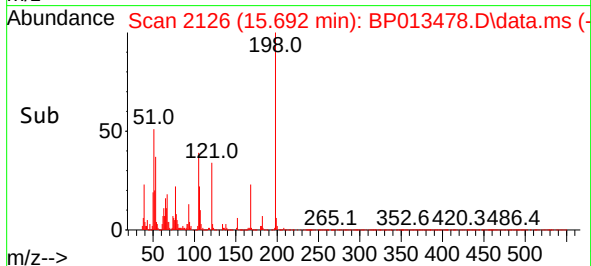
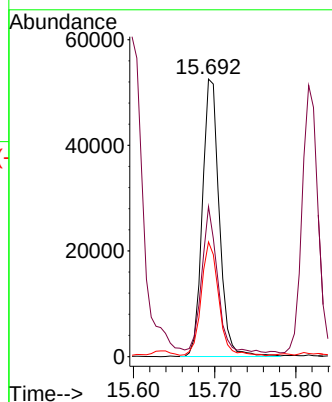
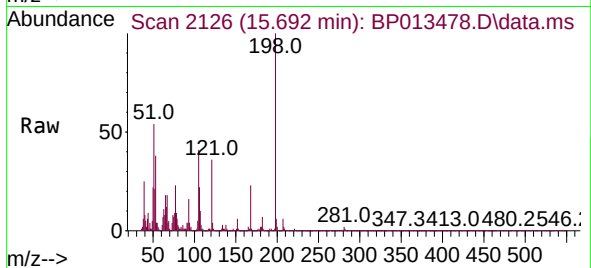
#65
4,6-Dinitro-2-methylphenol
Concen: 3.548 ng
RT: 15.692 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:198 Resp: 76095
Ion Ratio Lower Upper
198 100
51 54.0 23.6 63.6
105 41.3 17.9 57.9

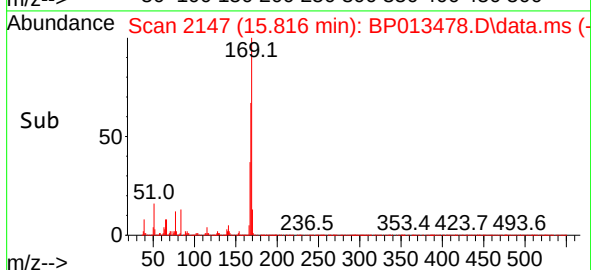
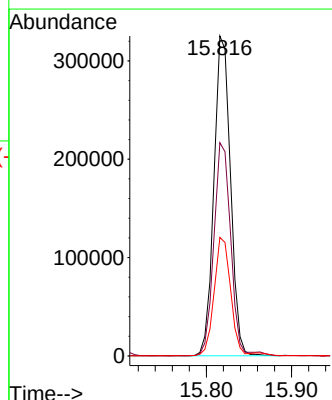
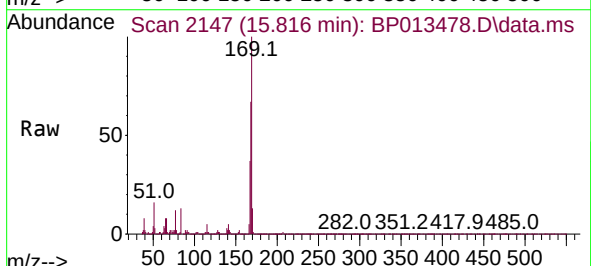
Manual Integrations
APPROVED

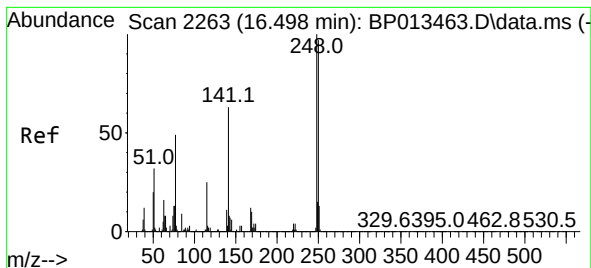
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#66
n-Nitrosodiphenylamine
Concen: 4.774 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

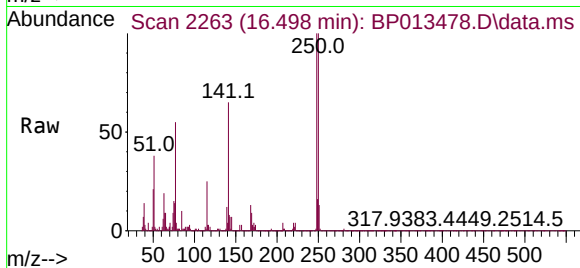
Tgt Ion:169 Resp: 439935
Ion Ratio Lower Upper
169 100
168 66.6 53.3 79.9
167 37.1 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 4.677 ng
RT: 16.498 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

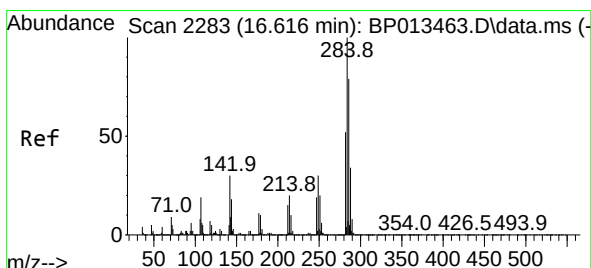
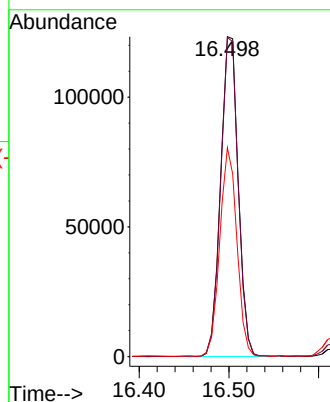
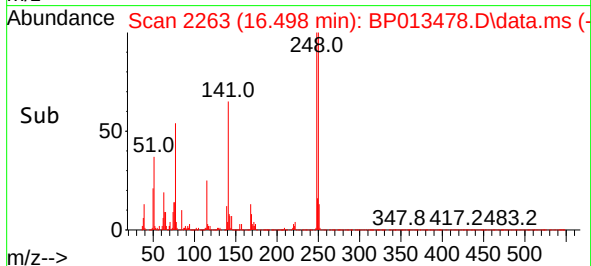
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:248 Resp: 168844
Ion Ratio Lower Upper
248 100
250 99.7 77.7 116.5
141 65.3 50.2 75.4

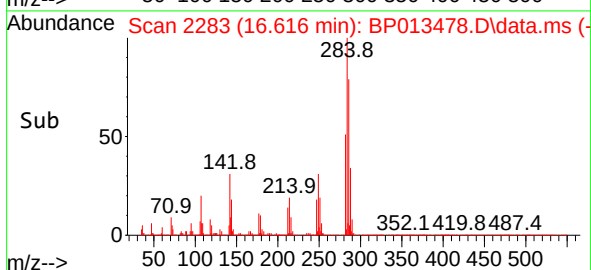
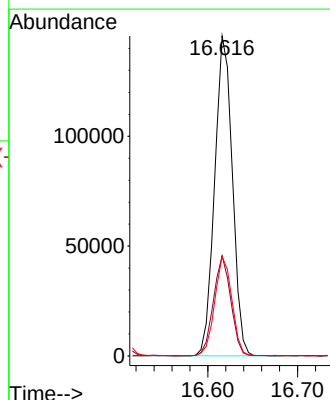
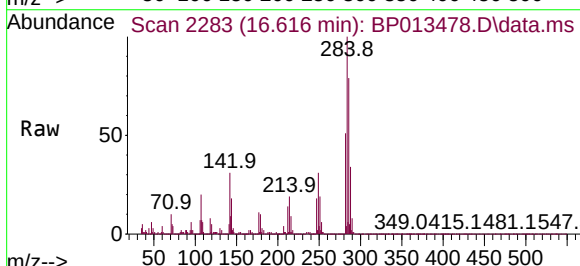
Manual Integrations
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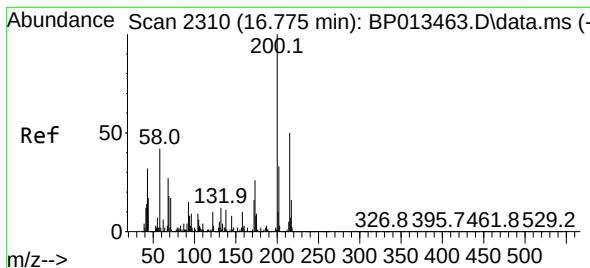
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#68
Hexachlorobenzene
Concen: 5.080 ng
RT: 16.616 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:284 Resp: 199714
Ion Ratio Lower Upper
284 100
142 31.3 23.9 35.9
249 31.1 24.1 36.1





#69

Atrazine

Concen: 4.823 ng

RT: 16.775 min Scan# 2310

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

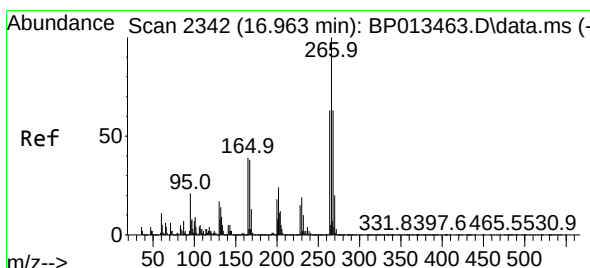
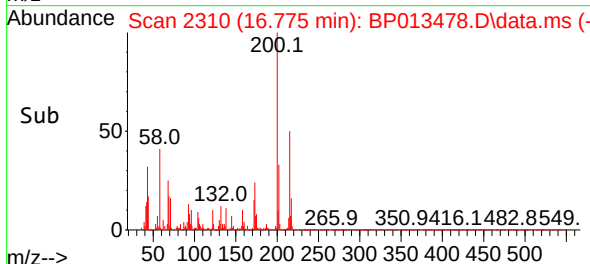
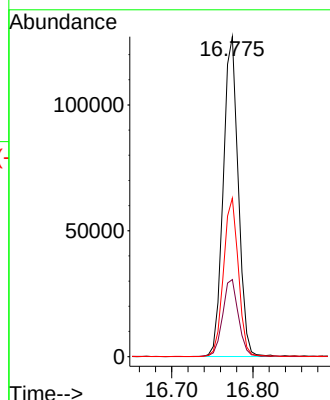
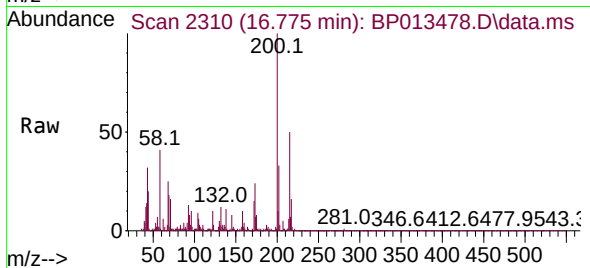
LOQ-SOIL-02-QT2-2022

Tgt Ion:200 Resp: 162754
 Ion Ratio Lower Upper
 200 100
 173 24.1 5.9 45.9
 215 49.5 30.0 70.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#70

Pentachlorophenol

Concen: 3.743 ng

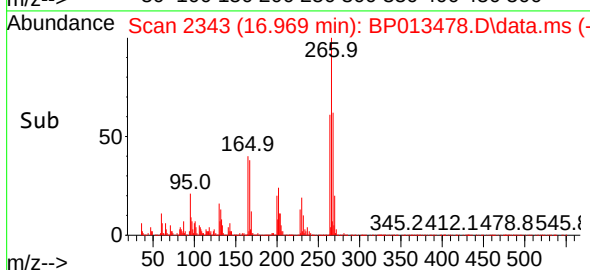
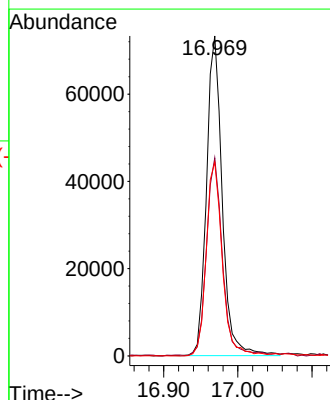
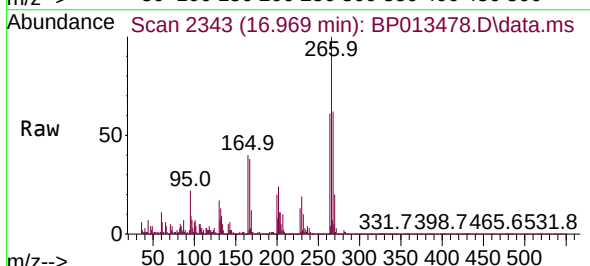
RT: 16.969 min Scan# 2343

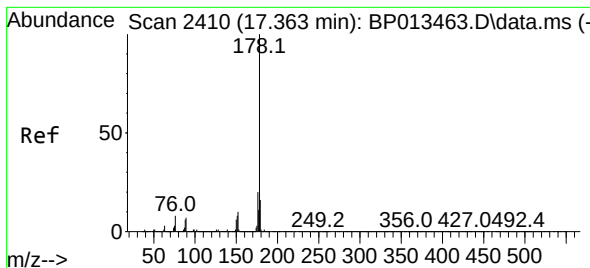
Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Tgt Ion:266 Resp: 107857
 Ion Ratio Lower Upper
 266 100
 268 61.9 50.7 76.1
 264 60.6 50.4 75.6





#71

Phenanthrene

Concen: 5.007 ng

RT: 17.363 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

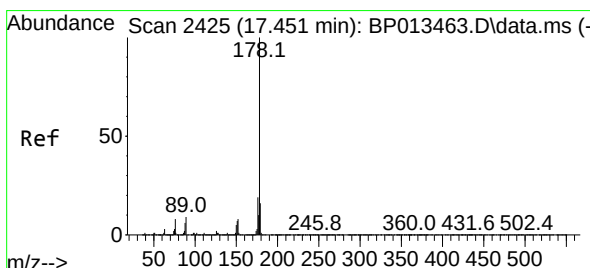
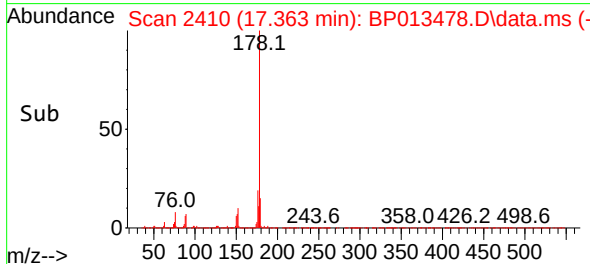
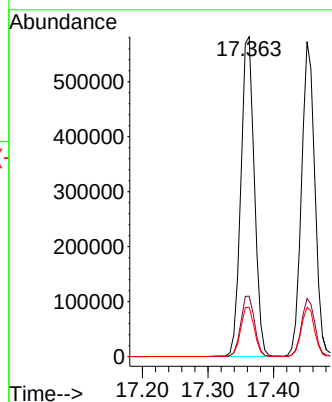
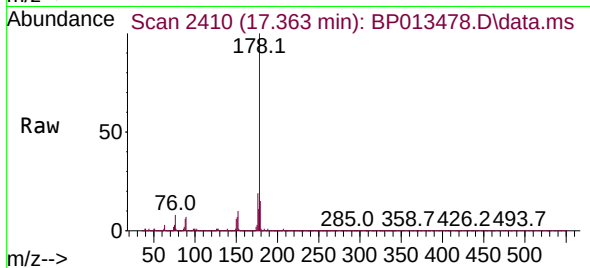
LOQ-SOIL-02-QT2-2022

Tgt Ion:178	Resp: 828515
Ion Ratio	Lower Upper
178	100
176	18.9 15.8 23.6
179	15.5 12.6 19.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#72

Anthracene

Concen: 4.838 ng

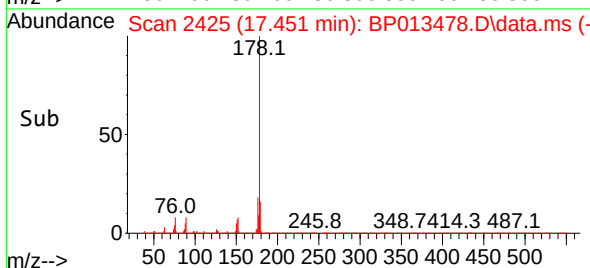
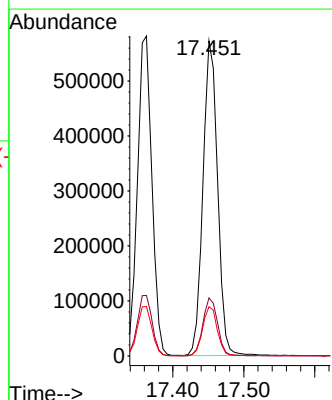
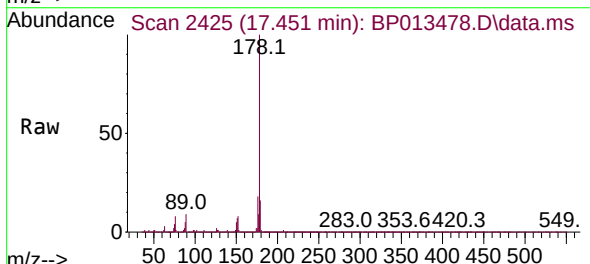
RT: 17.451 min Scan# 2425

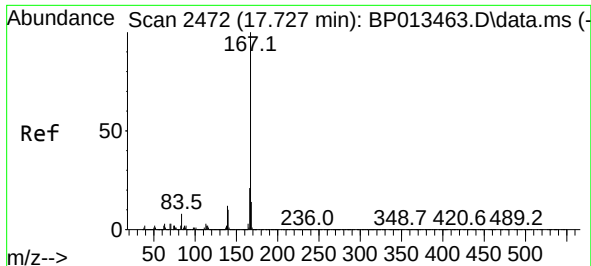
Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

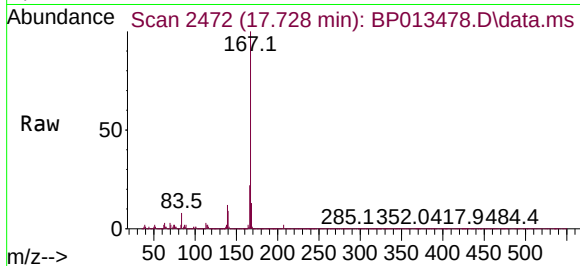
Tgt Ion:178	Resp: 814483
Ion Ratio	Lower Upper
178	100
176	18.4 15.2 22.8
179	15.6 12.6 18.8





#73
 Carbazole
 Concen: 4.843 ng
 RT: 17.728 min Scan# 2472
 Delta R.T. 0.000 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54

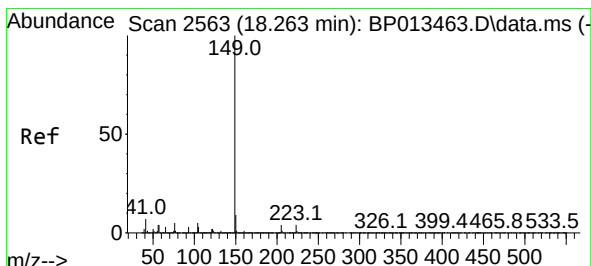
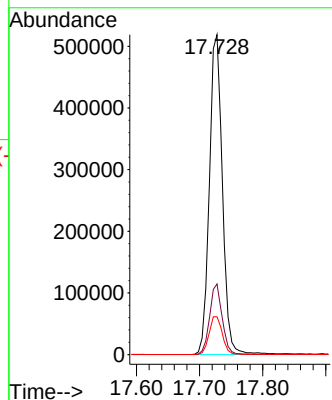
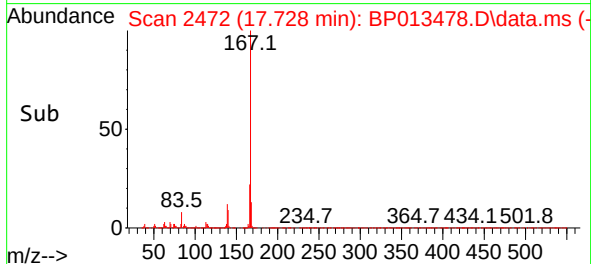
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2022



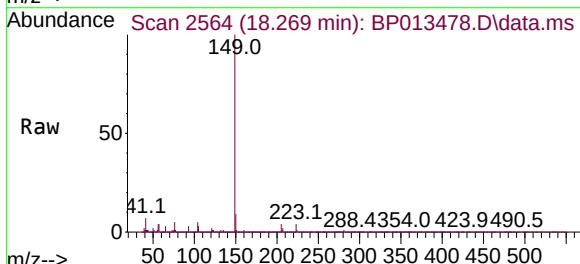
Tgt Ion:167 Resp: 742672
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.2 25.8
 139 11.8 9.9 14.9

Manual Integrations
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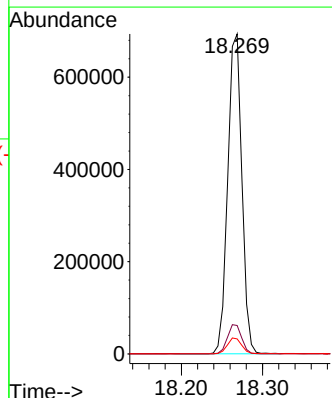
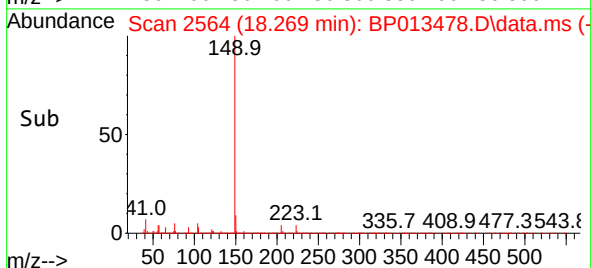
Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023

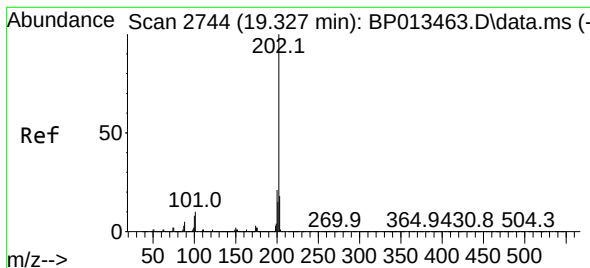


#74
 Di-n-butylphthalate
 Concen: 4.691 ng
 RT: 18.269 min Scan# 2564
 Delta R.T. 0.006 min
 Lab File: BP013478.D
 Acq: 16 Jan 2023 12:54



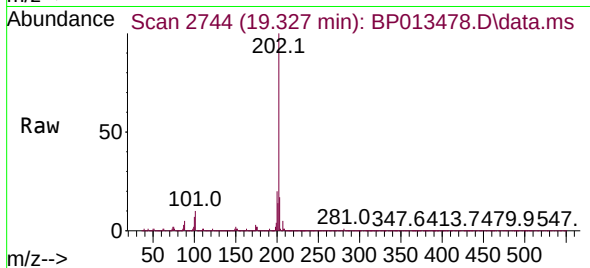
Tgt Ion:149 Resp: 834882
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.5 11.3
 104 4.7 3.9 5.9





#75
Fluoranthene
Concen: 5.116 ng
RT: 19.327 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

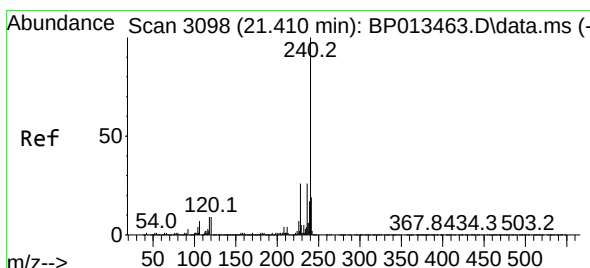
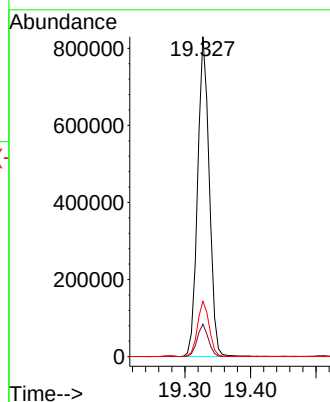
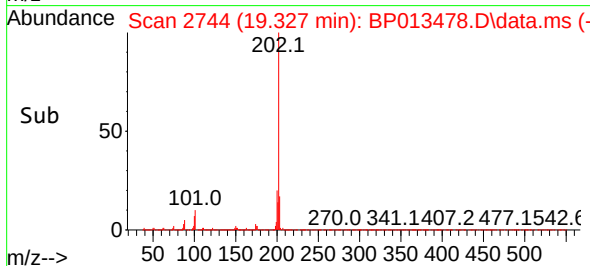
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:202 Resp: 1016783
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.3
203 17.3 0.0 37.9

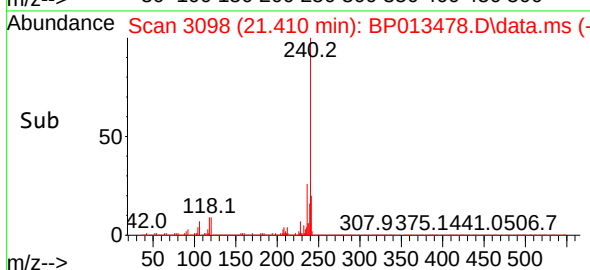
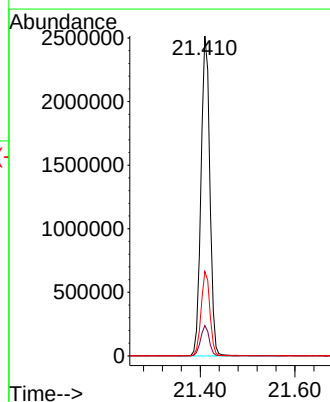
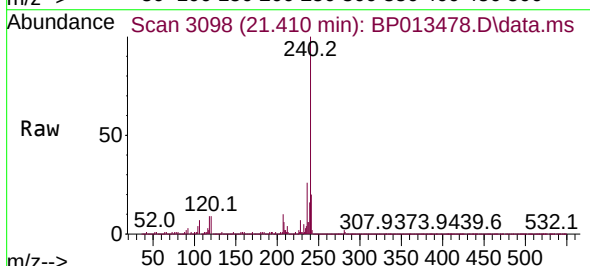
Manual Integrations
APPROVED

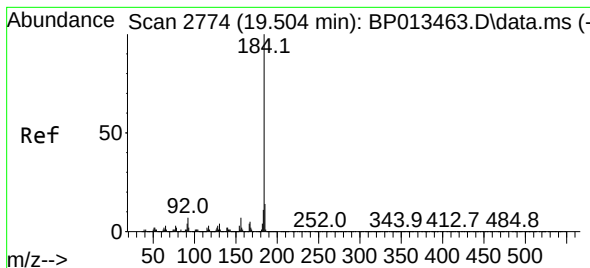
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:240 Resp: 3271138
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.4 21.2 31.8





#77

Benzidine

Concen: 4.400 ng

RT: 19.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

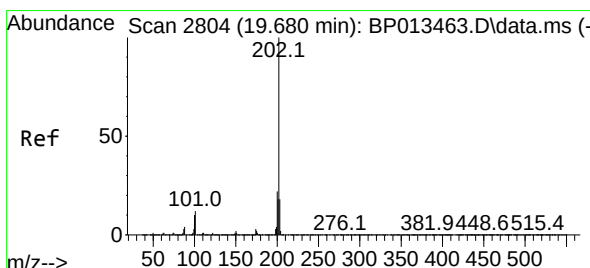
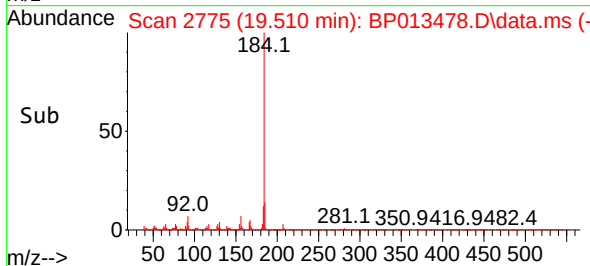
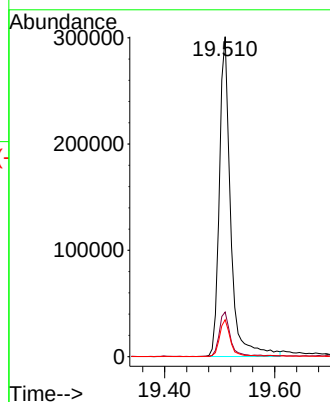
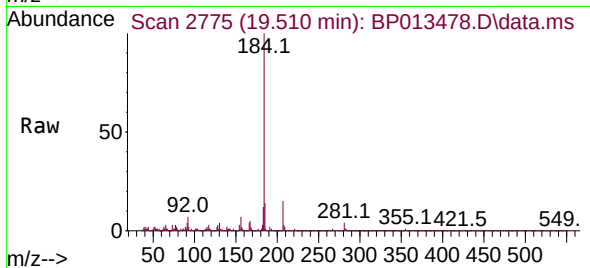
Tgt Ion:184	Resp: 427642
Ion Ratio	Lower Upper
184 100	
185 13.9	11.3 16.9
183 11.5	9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#78

Pyrene

Concen: 4.950 ng

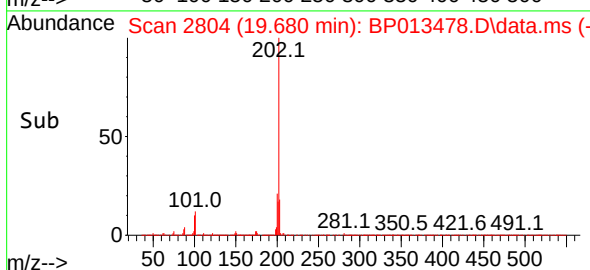
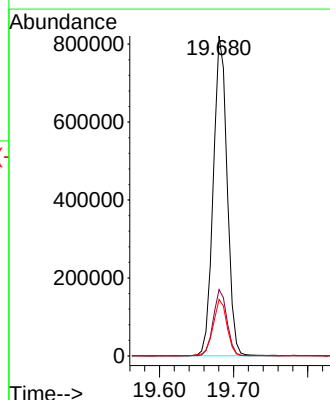
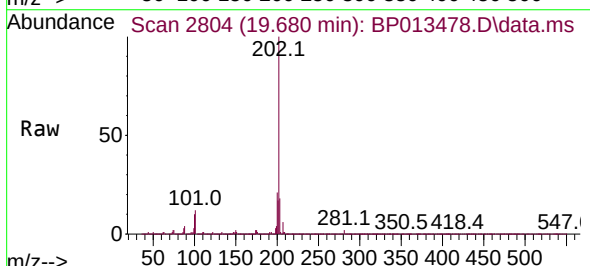
RT: 19.680 min Scan# 2804

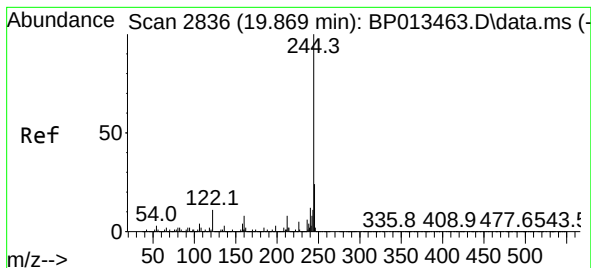
Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Tgt Ion:202	Resp: 1064939
Ion Ratio	Lower Upper
202 100	
200 20.7	17.4 26.2
203 17.7	14.6 21.8





#79

Terphenyl-d14

Concen: 79.466 ng

RT: 19.874 min Scan# 2836

Delta R.T. 0.005 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:244 Resp:12714704

Ion Ratio Lower Upper

244 100

212 9.8 6.8 10.2

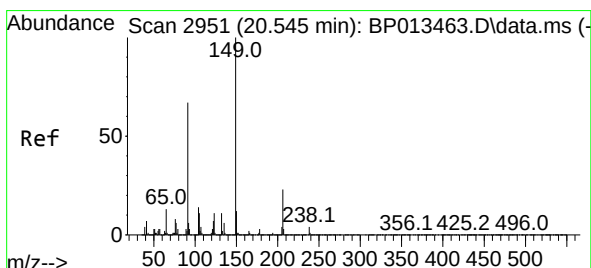
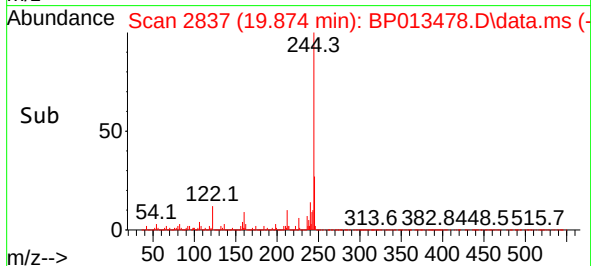
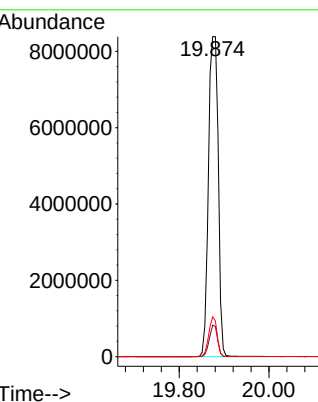
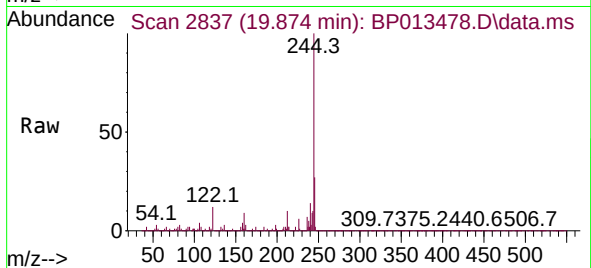
122 12.4 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#80

Butylbenzylphthalate

Concen: 4.187 ng

RT: 20.545 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

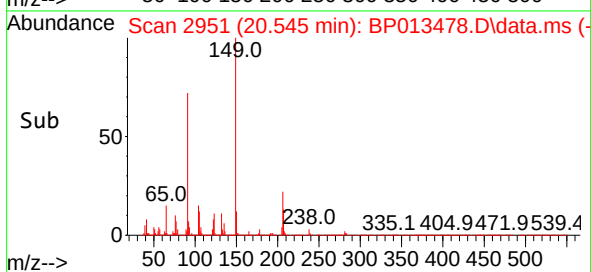
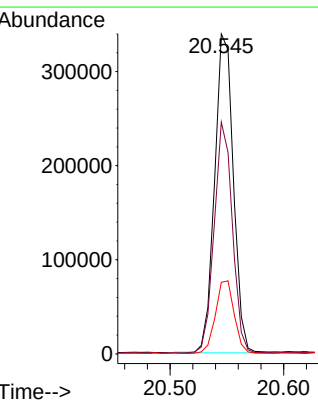
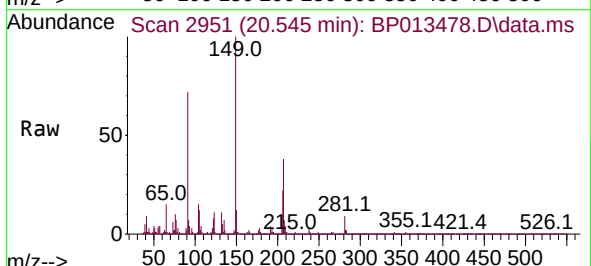
Tgt Ion:149 Resp: 389399

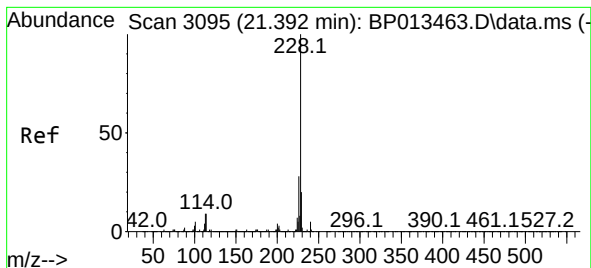
Ion Ratio Lower Upper

149 100

91 72.4 53.2 79.8

206 22.4 18.8 28.2





#81

Benzo(a)anthracene

Concen: 5.141 ng

RT: 21.392 min Scan# 3095

Delta R.T. 0.000 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:228 Resp: 113255

Ion Ratio Lower Upper

228 100

226 27.5 22.6 34.0

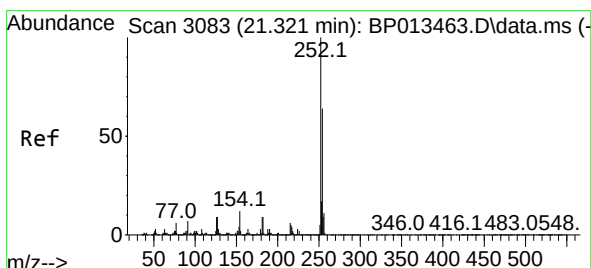
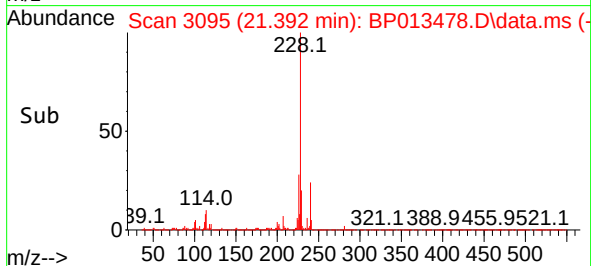
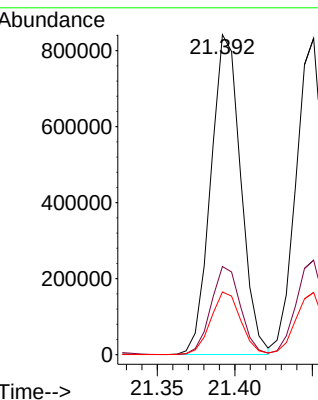
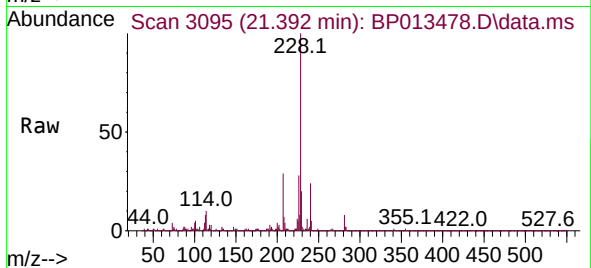
229 19.6 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#82

3,3'-Dichlorobenzidine

Concen: 4.925 ng

RT: 21.327 min Scan# 3084

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

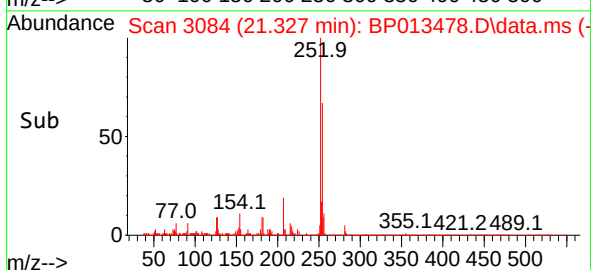
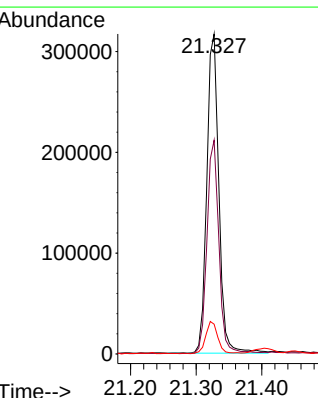
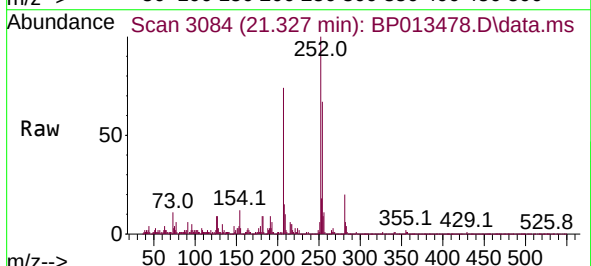
Tgt Ion:252 Resp: 405387

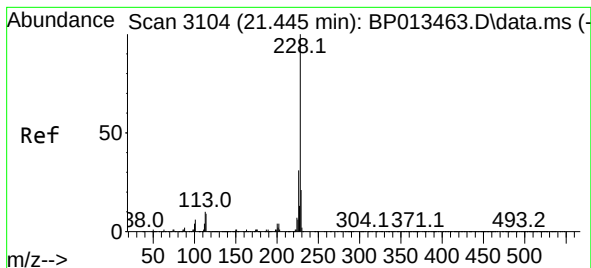
Ion Ratio Lower Upper

252 100

254 66.8 51.0 76.6

126 9.3 7.6 11.4





#83

Chrysene

Concen: 5.107 ng

RT: 21.451 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:228 Resp: 1063028

Ion Ratio Lower Upper

228 100

226 29.9 25.1 37.7

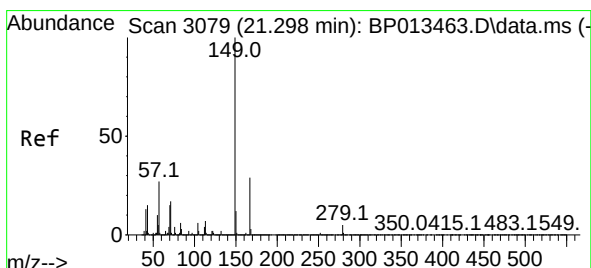
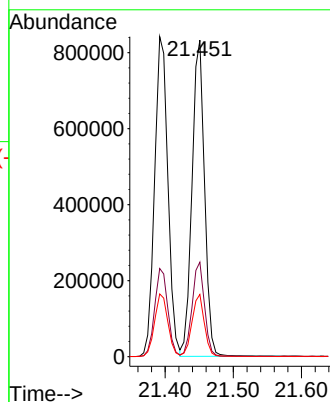
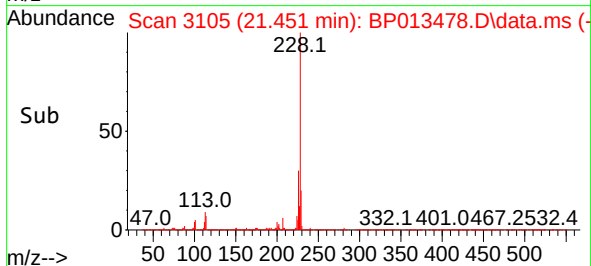
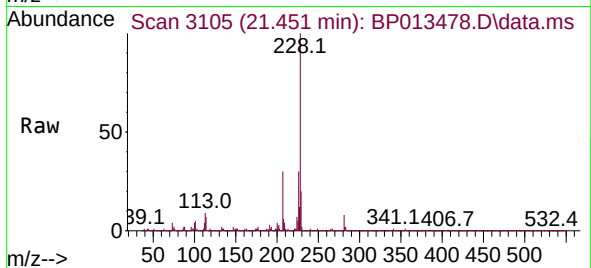
229 19.6 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.533 ng

RT: 21.304 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

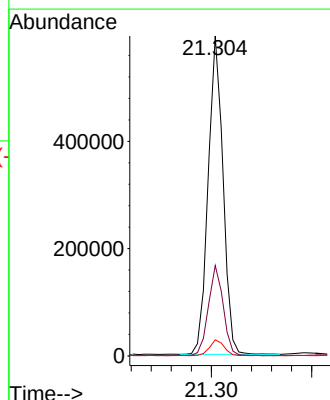
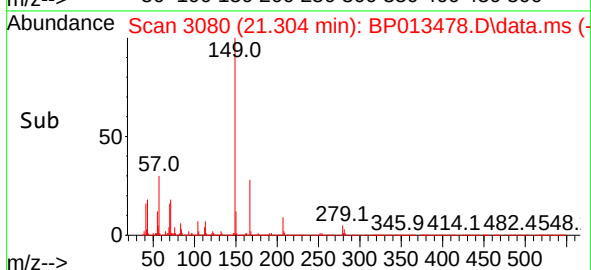
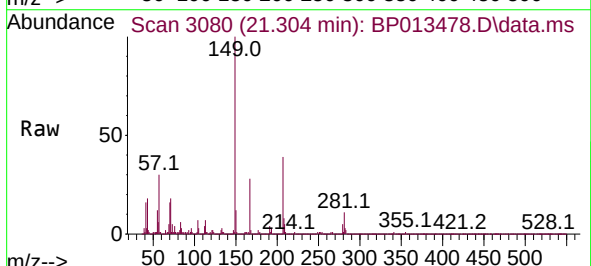
Tgt Ion:149 Resp: 610128

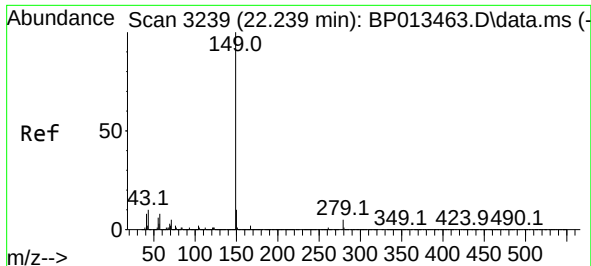
Ion Ratio Lower Upper

149 100

167 28.2 23.0 34.4

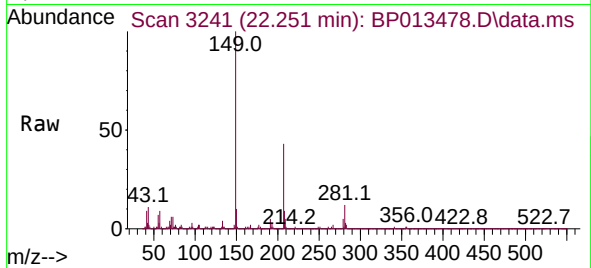
279 5.0 3.9 5.9





#85
Di-n-octyl phthalate
Concen: 4.702 ng
RT: 22.251 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

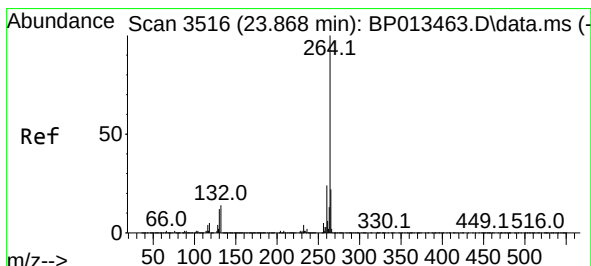
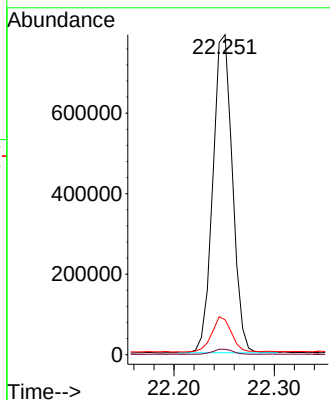
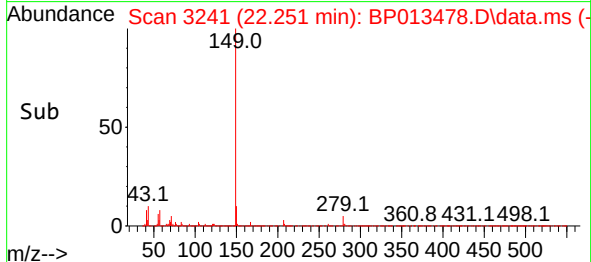
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:149 Resp: 1074298
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 11.0 7.9 11.9

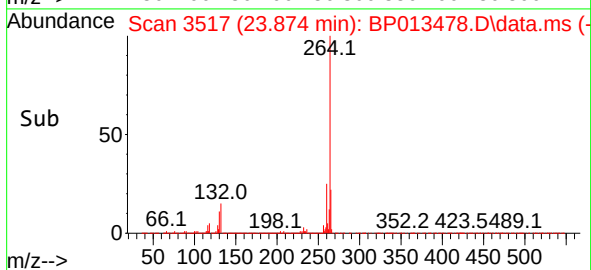
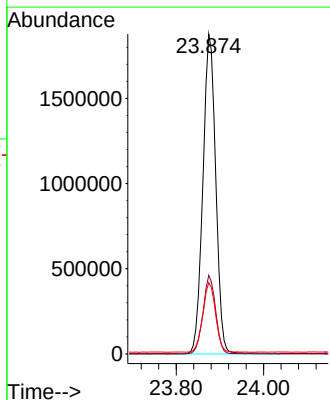
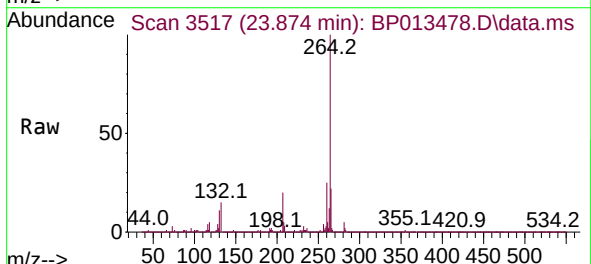
Manual Integrations
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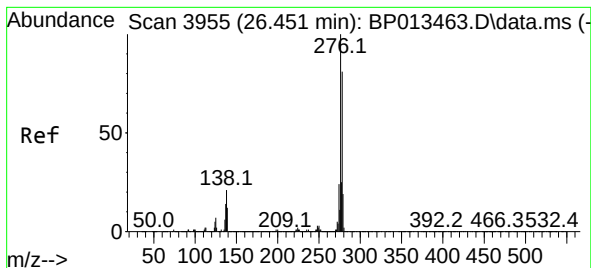
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.874 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:264 Resp: 3815535
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 22.3 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.611 ng

RT: 26.445 min Scan# 3955

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2022

Tgt Ion:276 Resp: 1272373

Ion Ratio Lower Upper

276 100

138 21.3 17.0 25.4

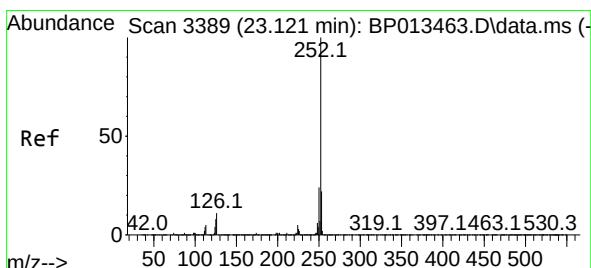
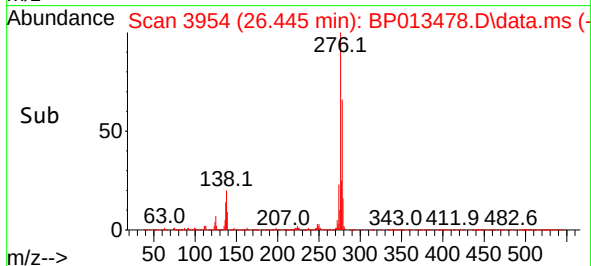
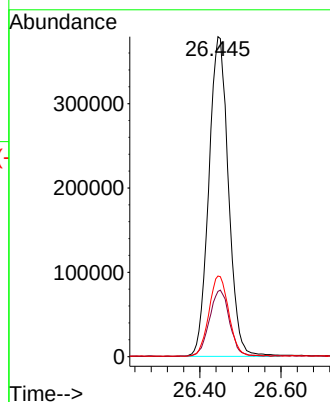
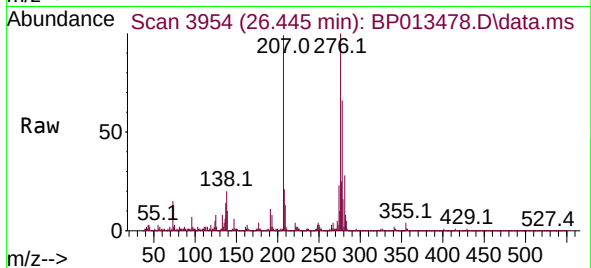
277 25.5 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#88

Benzo(b)fluoranthene

Concen: 5.199 ng

RT: 23.115 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BP013478.D

Acq: 16 Jan 2023 12:54

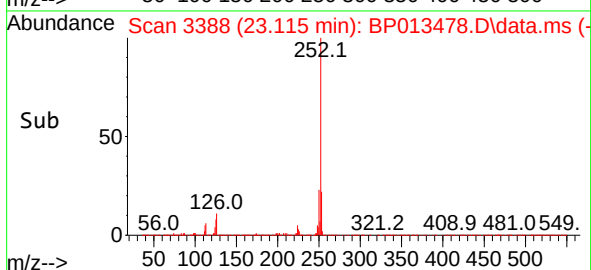
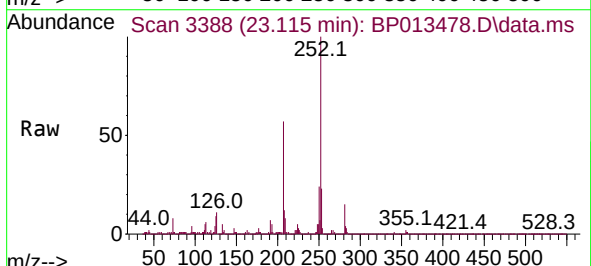
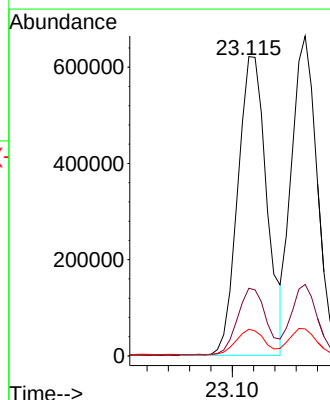
Tgt Ion:252 Resp: 1177745

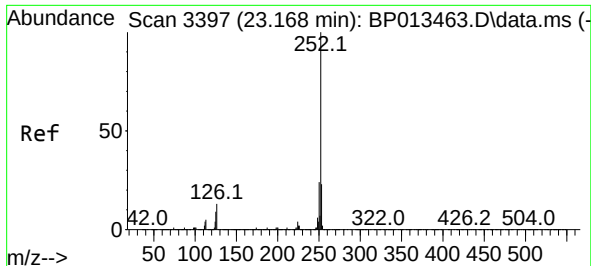
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

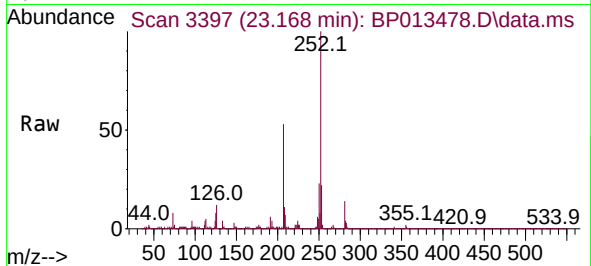
125 8.9 6.7 10.1





#89
Benzo(k)fluoranthene
Concen: 5.077 ng
RT: 23.168 min Scan# 3397
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

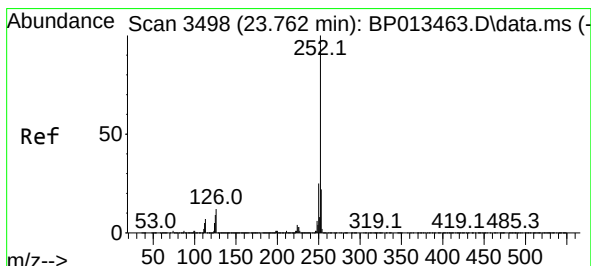
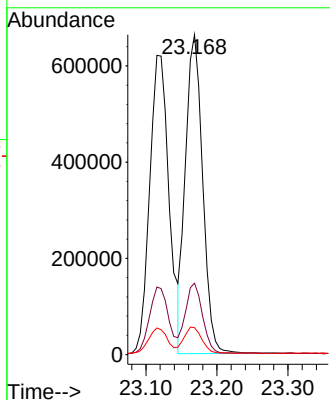
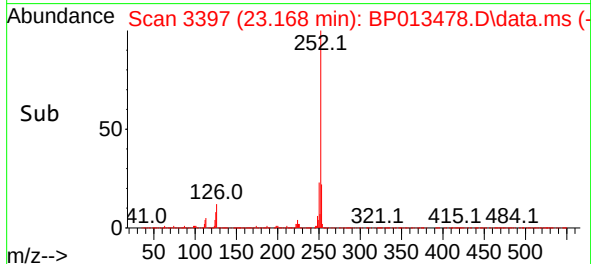
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022



Tgt Ion:252 Resp: 1116284
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 8.4 6.9 10.3

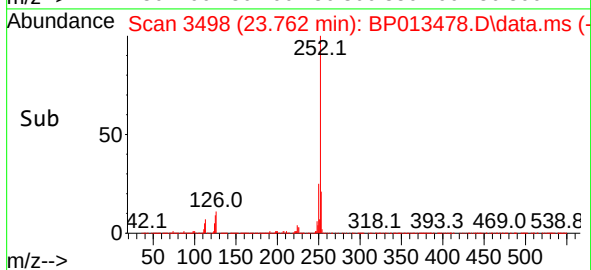
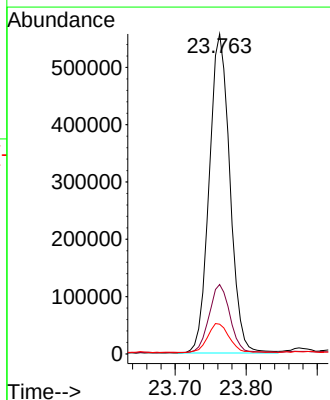
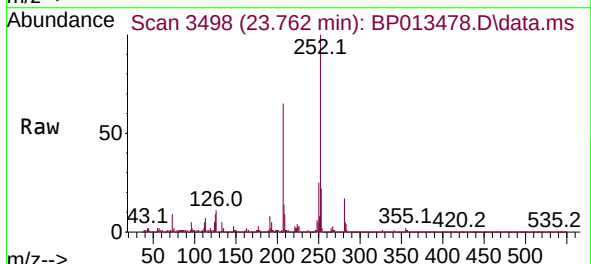
Manual Integrations
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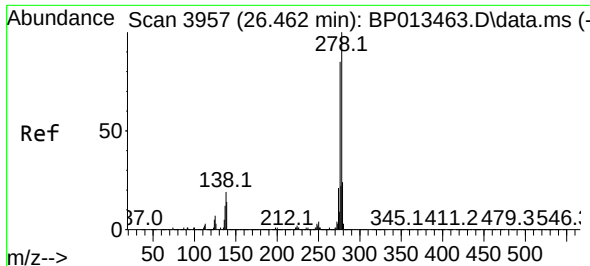
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#90
Benzo(a)pyrene
Concen: 5.059 ng
RT: 23.762 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:252 Resp: 1125868
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 9.3 7.6 11.4





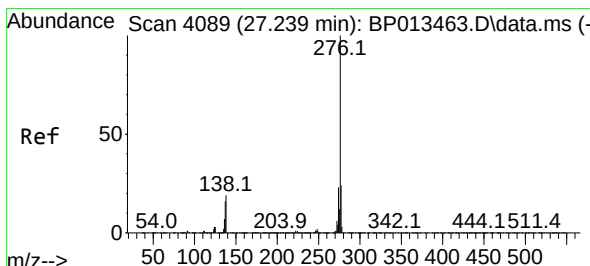
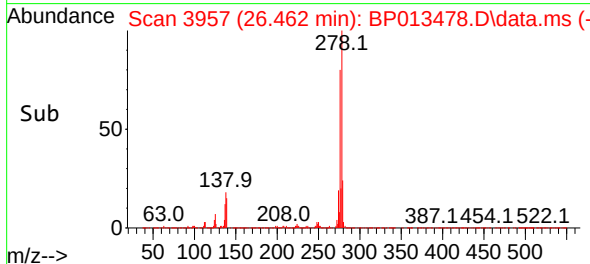
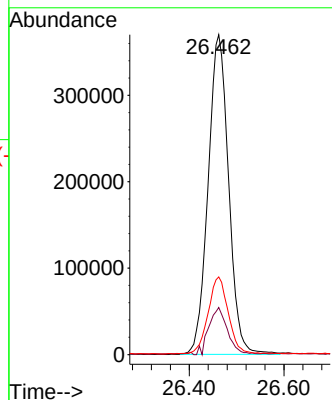
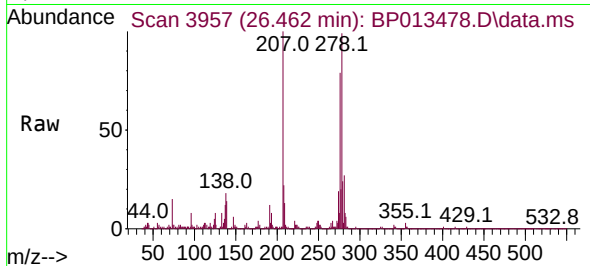
#91
Dibenzo(a,h)anthracene
Concen: 4.840 ng
RT: 26.462 min Scan# 3957
Delta R.T. 0.000 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2022

Tgt Ion:278 Resp: 1111990
Ion Ratio Lower Upper
278 100
139 14.7 11.1 16.7
279 24.3 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#92
Benzo(g,h,i)perylene
Concen: 4.851 ng
RT: 27.233 min Scan# 4088
Delta R.T. -0.006 min
Lab File: BP013478.D
Acq: 16 Jan 2023 12:54

Tgt Ion:276 Resp: 1099690
Ion Ratio Lower Upper
276 100
277 23.3 19.3 28.9
138 18.4 15.3 22.9

