

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019531.D
 Acq On : 02 Feb 2024 16:46
 Operator : MA/JU
 Sample : 04699-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Quant Time: Feb 02 17:16:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	74765	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	293848	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	181005	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	335693	20.000	ng	0.00
76) Chrysene-d12	21.386	240	304415	20.000	ng	0.00
86) Perylene-d12	23.804	264	408979	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	647128	139.520	ng	0.00
7) Phenol-d6	7.081	99	872520	139.513	ng	0.00
23) Nitrobenzene-d5	9.081	82	565712	83.421	ng	0.00
42) 2,4,6-Tribromophenol	16.034	330	355896	134.666	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1247255	85.185	ng	0.00
79) Terphenyl-d14	19.863	244	1488909	80.435	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	20635	11.547	ng	98
3) Pyridine	3.787	79	46085	9.512	ng	92
4) n-Nitrosodimethylamine	3.711	42	21666	10.272	ng	# 98
6) Aniline	7.246	93	77798	12.802	ng	98
8) 2-Chlorophenol	7.475	128	49945	10.488	ng	95
9) Benzaldehyde	7.058	77	54084	12.335	ng	95
10) Phenol	7.105	94	67207	10.782	ng	95
11) bis(2-Chloroethyl)ether	7.346	93	51672	10.655	ng	99
12) 1,3-Dichlorobenzene	7.799	146	59538	10.218	ng	94
13) 1,4-Dichlorobenzene	7.946	146	62816	10.641	ng	98
14) 1,2-Dichlorobenzene	8.258	146	59031	10.335	ng	99
15) Benzyl Alcohol	8.158	79	55159	11.038	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.452	45	52916	10.912	ng	97
17) 2-Methylphenol	8.358	107	44387	10.577	ng	98
18) Hexachloroethane	8.981	117	22802	9.965	ng	95
19) n-Nitroso-di-n-propyla...	8.728	70	45736	10.706	ng	96
20) 3+4-Methylphenols	8.687	107	59905	10.460	ng	95
22) Acetophenone	8.740	105	89994	10.750	ng	# 96
24) Nitrobenzene	9.122	77	71261	10.437	ng	97
25) Isophorone	9.646	82	122290	10.355	ng	99
26) 2-Nitrophenol	9.828	139	24540	9.426	ng	97
27) 2,4-Dimethylphenol	9.887	122	39962	12.004	ng	96
28) bis(2-Chloroethoxy)met...	10.134	93	70616	10.568	ng	99
29) 2,4-Dichlorophenol	10.357	162	51814	10.296	ng	95
30) 1,2,4-Trichlorobenzene	10.575	180	62989	10.209	ng	97
31) Naphthalene	10.763	128	165293	10.256	ng	99
32) Benzoic acid	9.969	122	26484m	8.165	ng	
33) 4-Chloroaniline	10.881	127	66779	11.204	ng	99
34) Hexachlorobutadiene	11.034	225	44653	9.766	ng	96
35) Caprolactam	11.652	113	12471	8.754	ng	97
36) 4-Chloro-3-methylphenol	11.999	107	54130	9.865	ng	98
37) 2-Methylnaphthalene	12.369	142	113742	10.198	ng	99
38) 1-Methylnaphthalene	12.587	142	111969	10.216	ng	100
40) 1,2,4,5-Tetrachloroben...	12.728	216	75159	10.767	ng	99
41) Hexachlorocyclopentadiene	12.704	237	41000	13.001	ng	99
43) 2,4,6-Trichlorophenol	12.975	196	43473	10.285	ng	98

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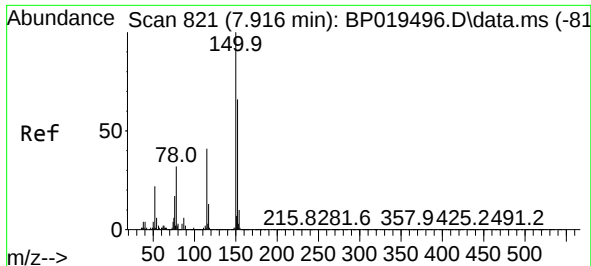
Quant Time: Feb 02 17:16:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.046	196	45843	9.877	ng	99
46) 1,1'-Biphenyl	13.381	154	157135	10.877	ng	100
47) 2-Chloronaphthalene	13.422	162	123200	10.389	ng	99
48) 2-Nitroaniline	13.628	65	31583	9.524	ng	97
49) Acenaphthylene	14.263	152	186864	11.231	ng	100
50) Dimethylphthalate	14.010	163	137519	9.925	ng	98
51) 2,6-Dinitrotoluene	14.134	165	28179	9.256	ng	98
52) Acenaphthene	14.610	154	105496	10.216	ng	98
53) 3-Nitroaniline	14.457	138	26637	9.521	ng	100
54) 2,4-Dinitrophenol	14.663	184	11968	7.571	ng	95
55) Dibenzofuran	14.945	168	175876	10.457	ng	99
56) 4-Nitrophenol	14.757	139	18837	8.214	ng	95
57) 2,4-Dinitrotoluene	14.916	165	33543	8.408	ng	# 98
58) Fluorene	15.592	166	135438	10.111	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.169	232	38518	9.866	ng	99
60) Diethylphthalate	15.381	149	124609	9.041	ng	99
61) 4-Chlorophenyl-phenylether	15.598	204	75151	9.982	ng	94
62) 4-Nitroaniline	15.616	138	24019	8.190	ng	93
63) Azobenzene	15.887	77	129312	9.702	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	16240	8.484	ng	91
66) n-Nitrosodiphenylamine	15.810	169	112048	11.145	ng	98
67) 4-Bromophenyl-phenylether	16.492	248	43320	10.323	ng	93
68) Hexachlorobenzene	16.587	284	51634	10.536	ng	97
69) Atrazine	16.769	200	38315	11.485	ng	99
70) Pentachlorophenol	16.939	266	25724	8.429	ng	98
71) Phenanthrene	17.339	178	190314	10.773	ng	100
72) Anthracene	17.434	178	188606	10.702	ng	99
73) Carbazole	17.704	167	155784	9.731	ng	98
74) Di-n-butylphthalate	18.269	149	171801	8.875	ng	99
75) Fluoranthene	19.304	202	205368	9.516	ng	99
77) Benzidine	19.498	184	106902	16.797	ng	99
78) Pyrene	19.657	202	213414	9.933	ng	99
80) Butylbenzylphthalate	20.551	149	69225	8.628	ng	97
81) Benzo(a)anthracene	21.369	228	224994	10.500	ng	100
82) 3,3'-Dichlorobenzidine	21.310	252	87700	11.231	ng	99
83) Chrysene	21.427	228	213238	10.481	ng	99
84) Bis(2-ethylhexyl)phtha...	21.322	149	109866	8.993	ng	99
85) Di-n-octyl phthalate	22.269	149	199607	9.286	ng	100
87) Indeno(1,2,3-cd)pyrene	26.327	276	335681	10.723	ng	99
88) Benzo(b)fluoranthene	23.069	252	261860	10.159	ng	99
89) Benzo(k)fluoranthene	23.116	252	237969	9.665	ng	98
90) Benzo(a)pyrene	23.698	252	232184	10.124	ng	99
91) Dibenzo(a,h)anthracene	26.357	278	276806	10.751	ng	100
92) Benzo(g,h,i)perylene	27.098	276	266488	10.202	ng	99

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



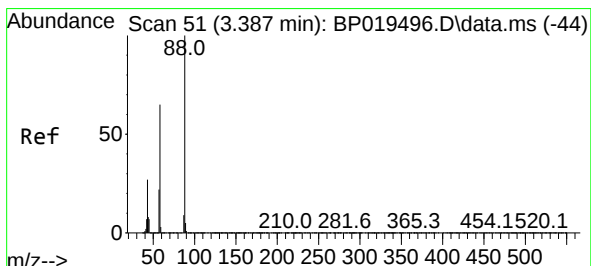
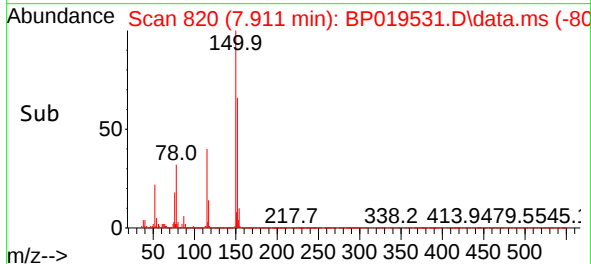
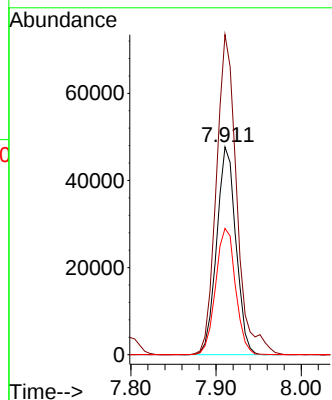
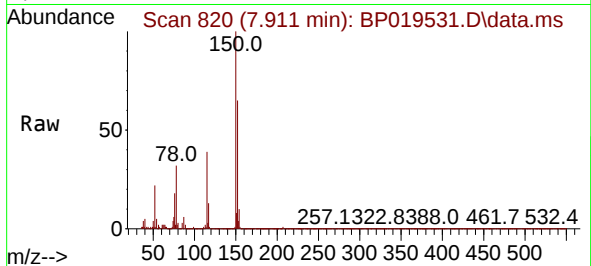
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:152 Resp: 7476
Ion Ratio Lower Upper
152 100
150 154.1 121.8 182.8
115 60.8 49.9 74.9

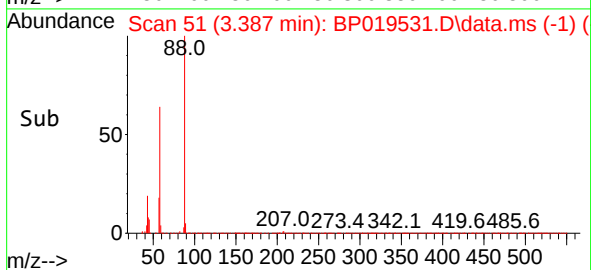
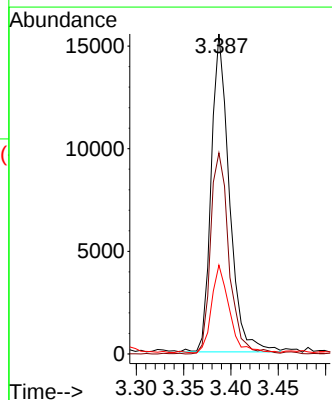
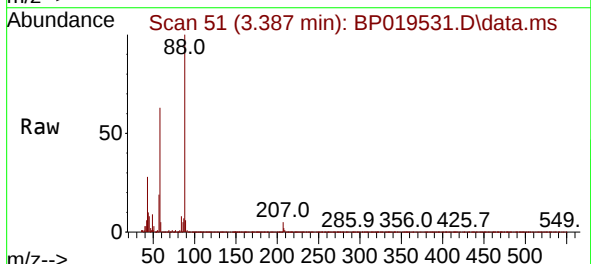
Manual Integrations
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#2
1,4-Dioxane
Concen: 11.547 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion: 88 Resp: 20635
Ion Ratio Lower Upper
88 100
58 64.4 52.6 78.8
43 26.8 21.9 32.9





#3

Pyridine

Concen: 9.512 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

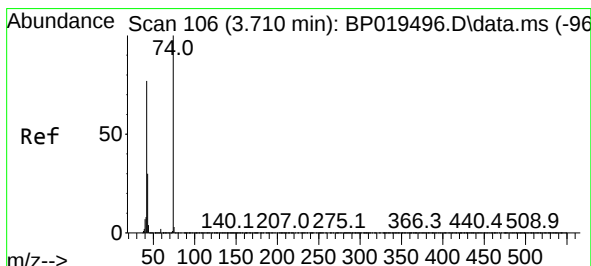
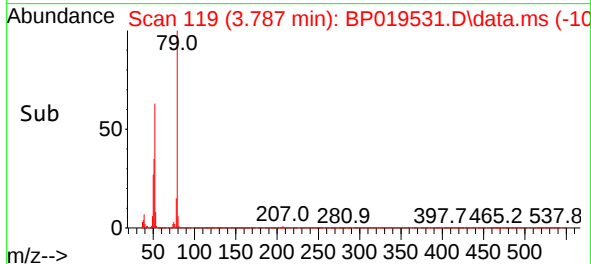
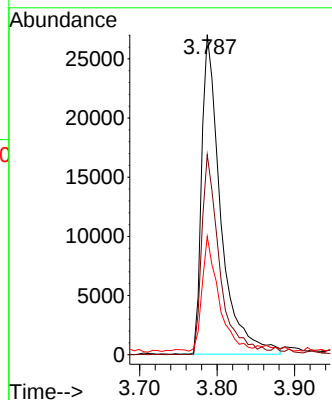
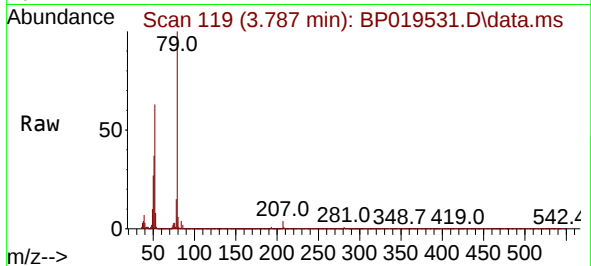
ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 79	Resp: 4608
Ion Ratio	Lower Upper
79 100	
52 62.5	45.0 67.6
51 37.0	26.8 40.2

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Supervised By :mohammad ahmed 02/06/2024



#4

n-Nitrosodimethylamine

Concen: 10.272 ng

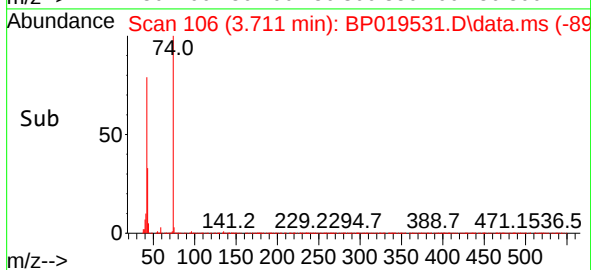
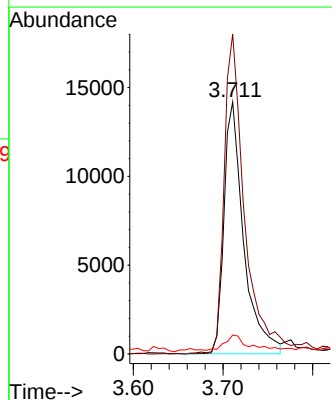
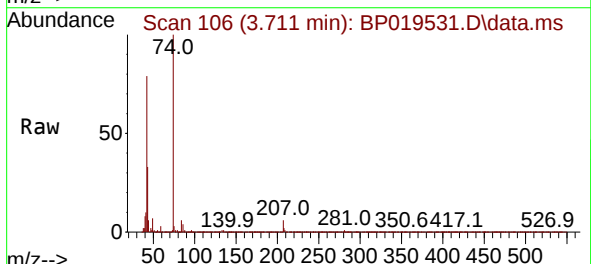
RT: 3.711 min Scan# 106

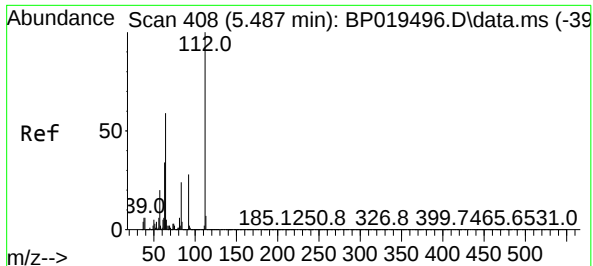
Delta R.T. 0.000 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion: 42	Resp: 21666
Ion Ratio	Lower Upper
42 100	
74 127.0	103.4 155.2
44 7.5	4.8 7.2





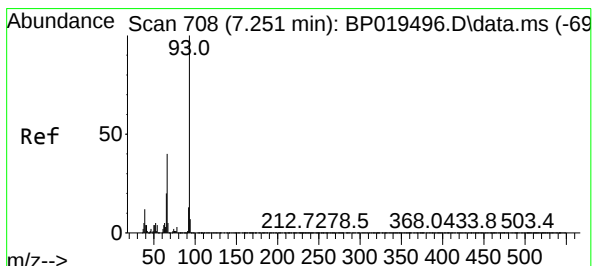
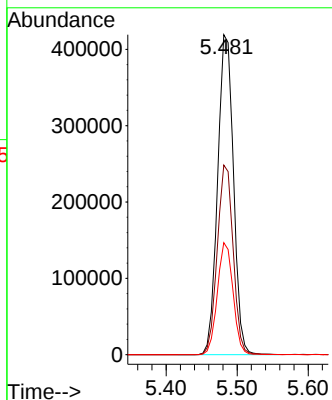
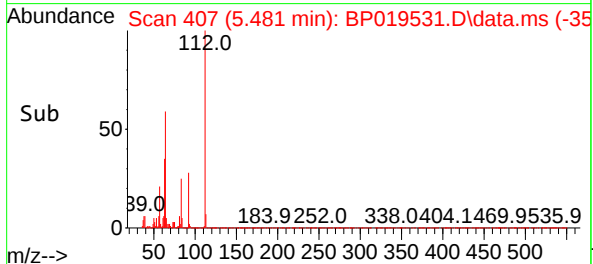
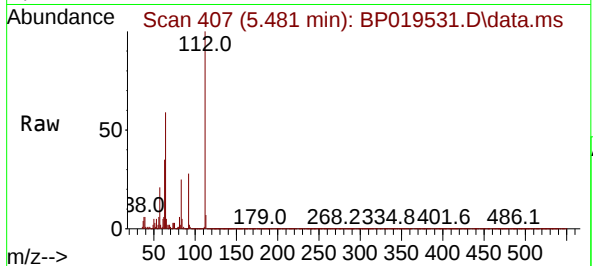
#5
2-Fluorophenol
Concen: 139.520 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:112 Resp: 647128
Ion Ratio Lower Upper
112 100
64 59.3 47.4 71.0
63 35.0 27.0 40.6

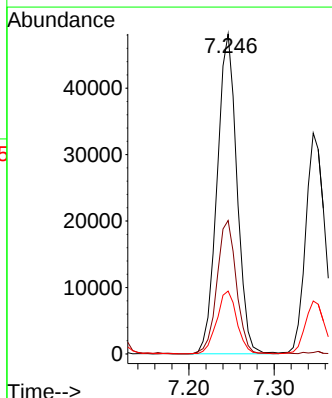
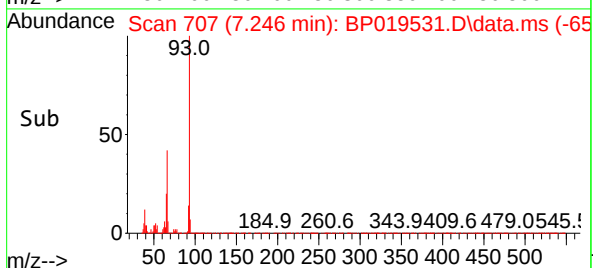
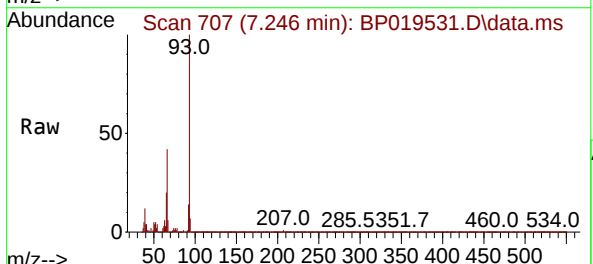
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#6
Aniline
Concen: 12.802 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

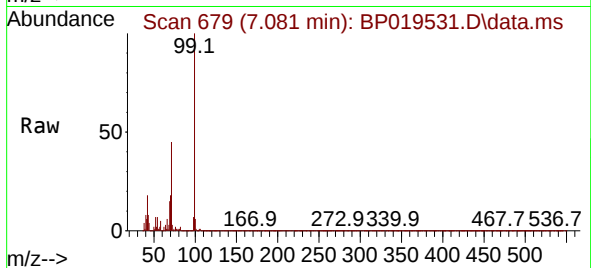
Tgt Ion: 93 Resp: 77798
Ion Ratio Lower Upper
93 100
66 41.7 32.3 48.5
65 19.6 16.4 24.6





#7
Phenol-d6
Concen: 139.513 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

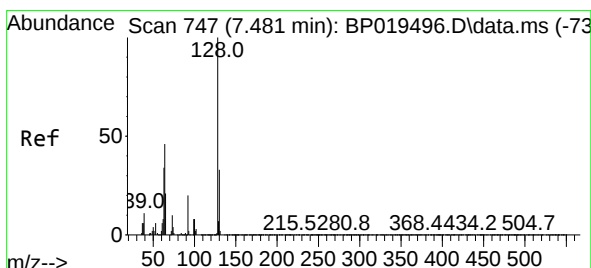
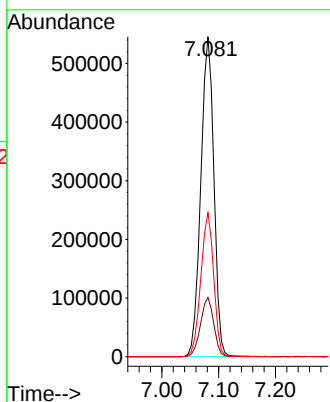
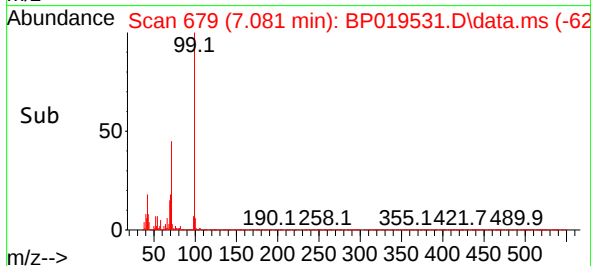
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 99 Resp: 872520
Ion Ratio Lower Upper
99 100
42 18.5 14.7 22.1
71 45.0 34.8 52.2

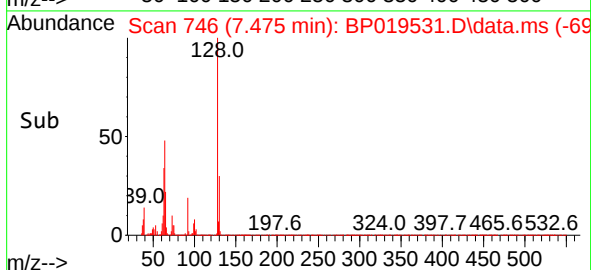
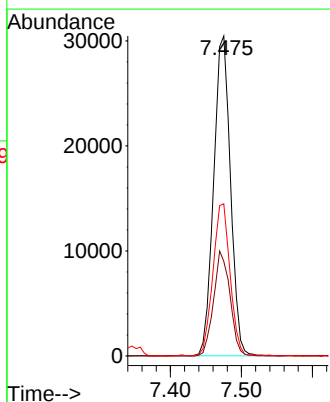
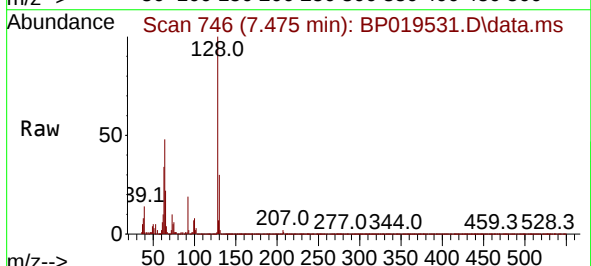
Manual Integrations
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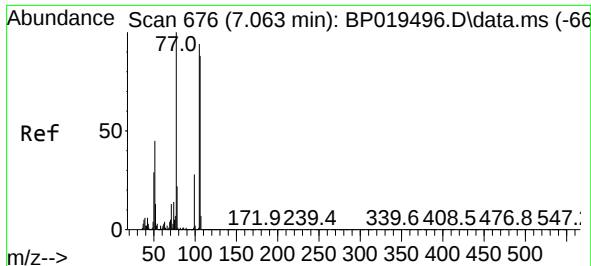
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#8
2-Chlorophenol
Concen: 10.488 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:128 Resp: 49945
Ion Ratio Lower Upper
128 100
130 29.6 13.3 53.3
64 47.5 29.7 69.7





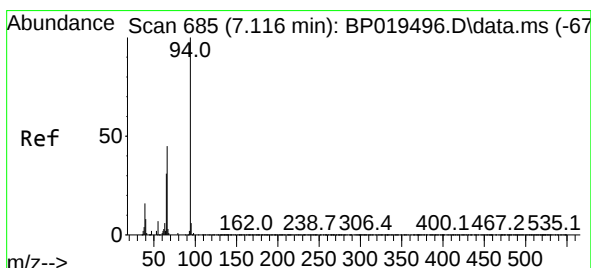
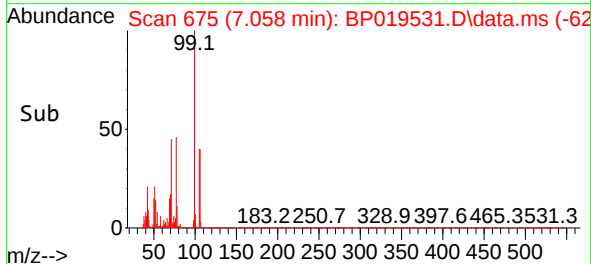
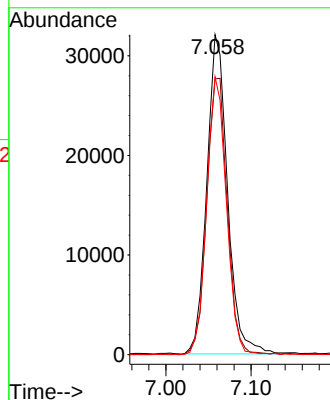
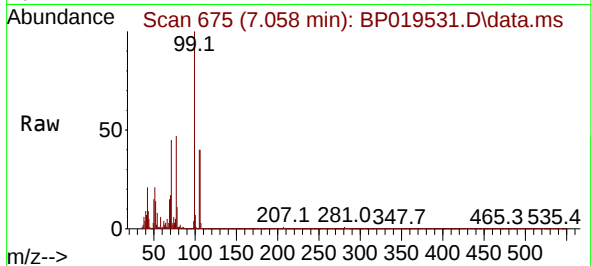
#9
Benzaldehyde
Concen: 12.335 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 77 Resp: 54084
Ion Ratio Lower Upper
77 100
105 86.2 74.0 114.0
106 86.8 67.8 107.8

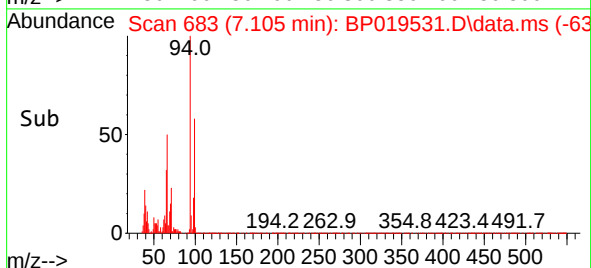
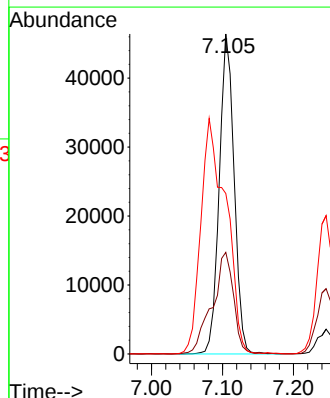
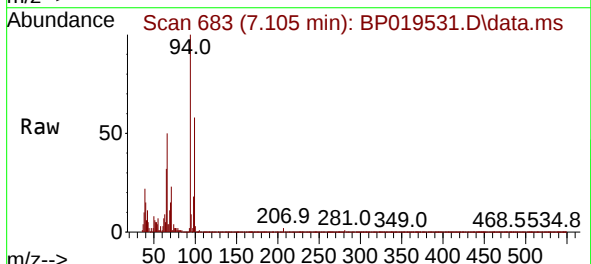
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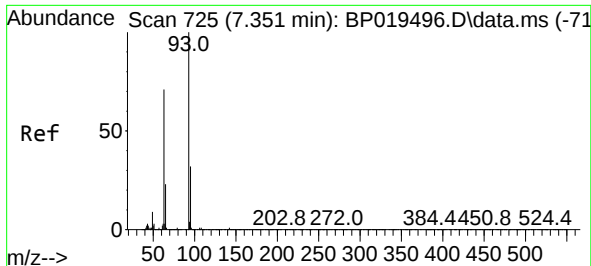
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#10
Phenol
Concen: 10.782 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

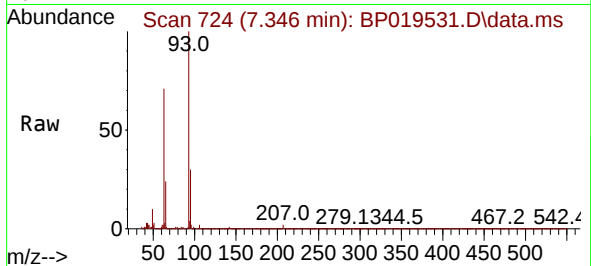
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Ion Ratio Lower Upper
94 100
65 31.8 11.3 51.3
66 50.1 25.1 65.1





#11
bis(2-Chloroethyl)ether
Concen: 10.655 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

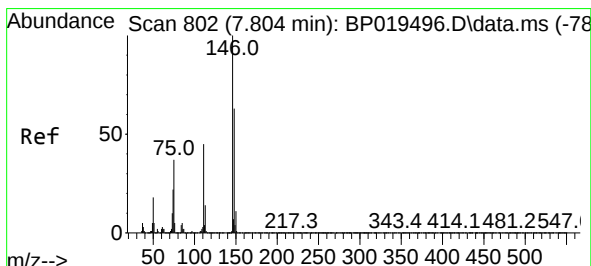
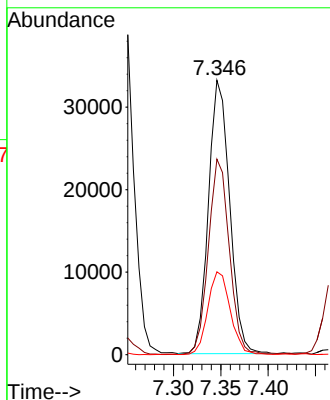
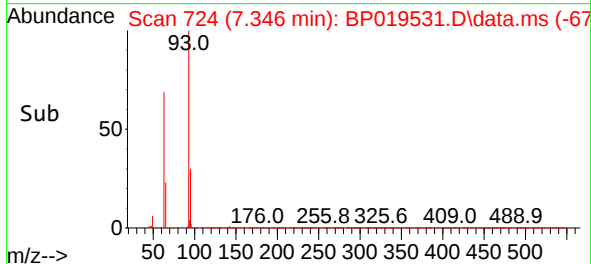
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



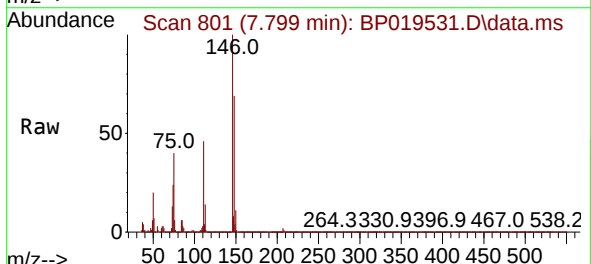
Tgt Ion: 93 Resp: 51672
Ion Ratio Lower Upper
93 100
63 71.3 51.2 91.2
95 30.2 11.8 51.8

Manual Integrations
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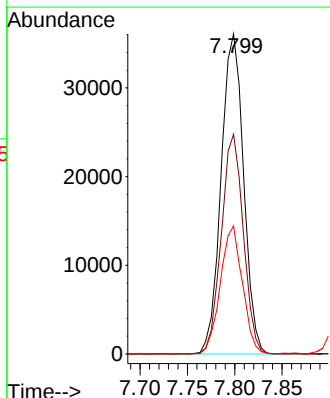
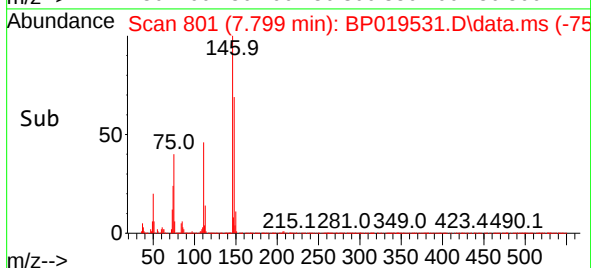
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

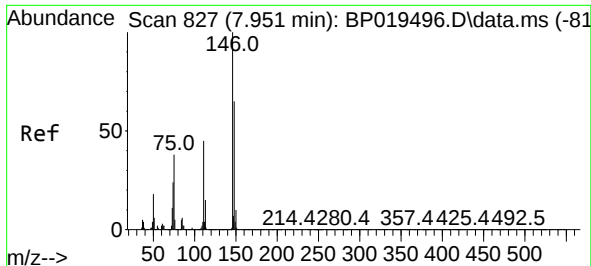


#12
1,3-Dichlorobenzene
Concen: 10.218 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46



Tgt Ion:146 Resp: 59538
Ion Ratio Lower Upper
146 100
148 68.7 50.4 75.6
75 40.0 29.9 44.9





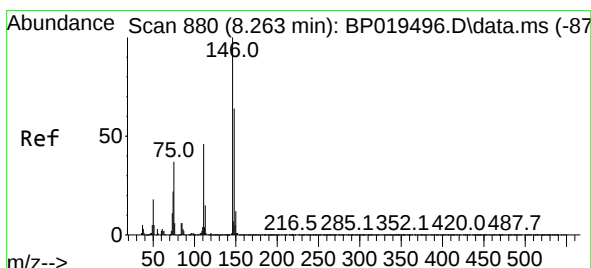
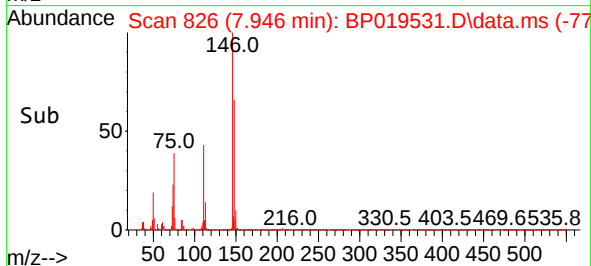
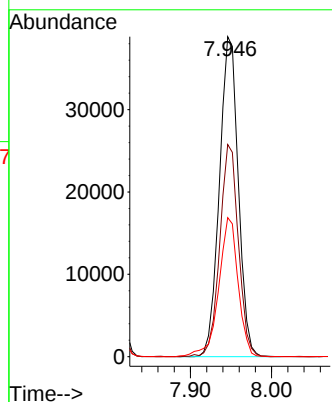
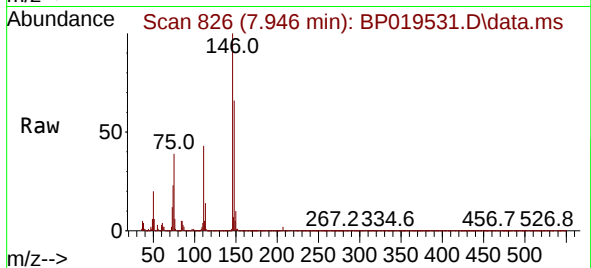
#13
1,4-Dichlorobenzene
Concen: 10.641 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:146 Resp: 62810
Ion Ratio Lower Upper
146 100
148 66.3 51.9 77.9
111 43.4 35.8 53.6

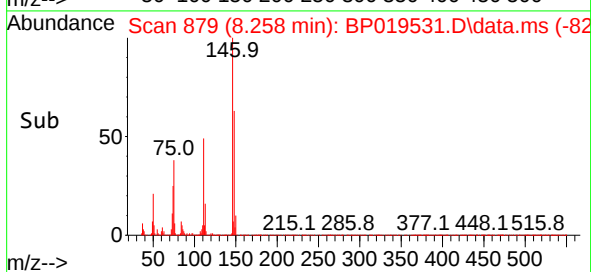
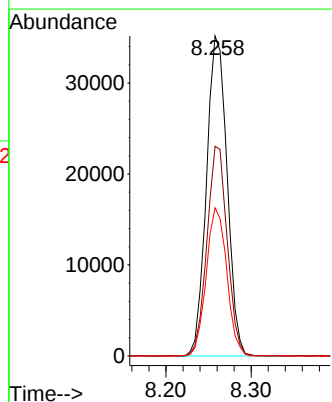
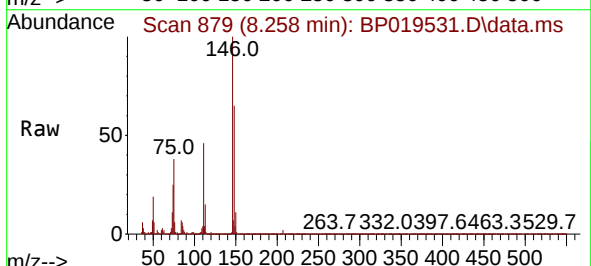
Manual Integrations
APPROVED

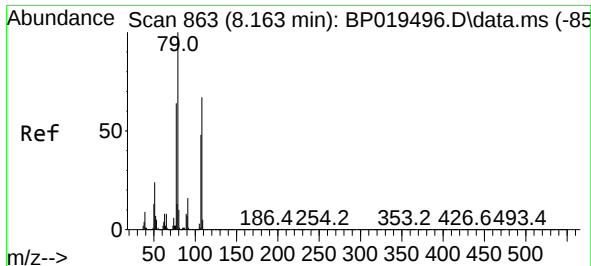
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#14
1,2-Dichlorobenzene
Concen: 10.335 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:146 Resp: 59031
Ion Ratio Lower Upper
146 100
148 65.5 51.4 77.0
111 46.3 37.0 55.6





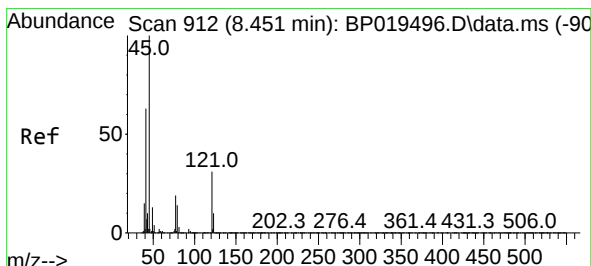
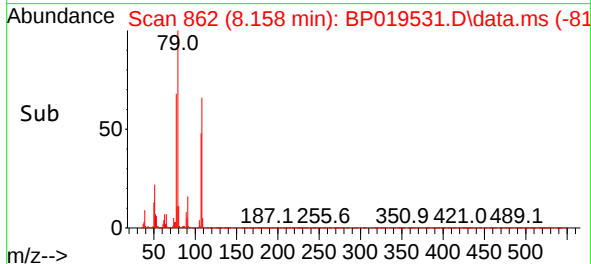
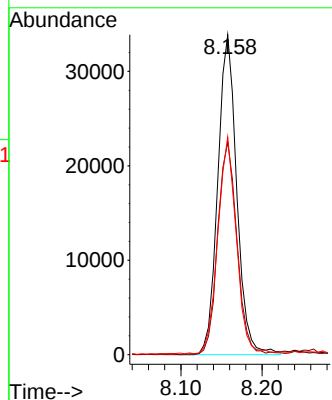
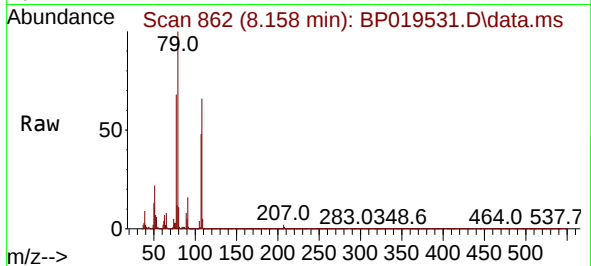
#15
Benzyl Alcohol
Concen: 11.038 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 79 Resp: 5515
Ion Ratio Lower Upper
79 100
108 66.4 53.8 80.6
77 68.0 51.3 76.9

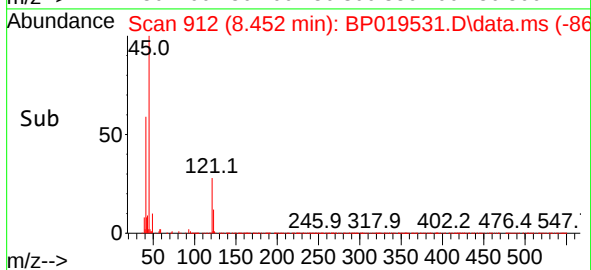
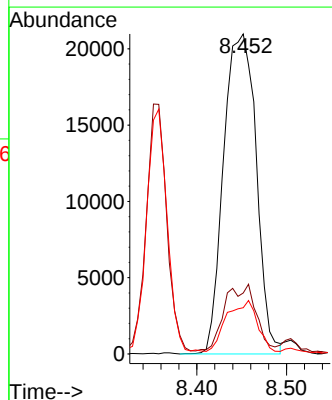
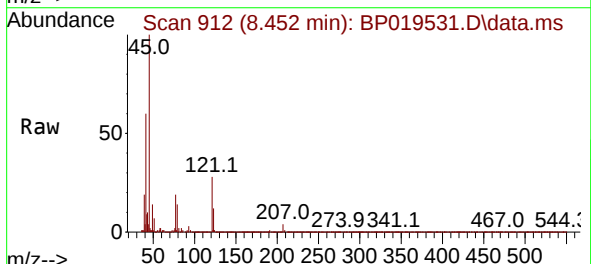
Manual Integrations
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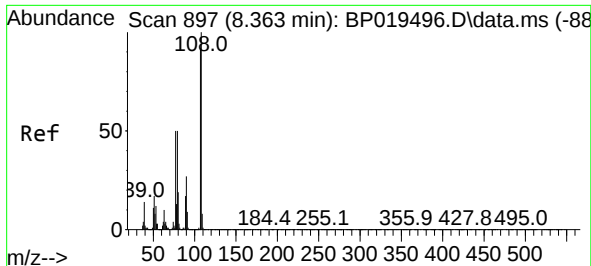
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#16
2,2'-oxybis(1-chloropropane)
Concen: 10.912 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.000 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion: 45 Resp: 52916
Ion Ratio Lower Upper
45 100
77 19.0 0.8 40.8
79 14.4 0.0 35.5





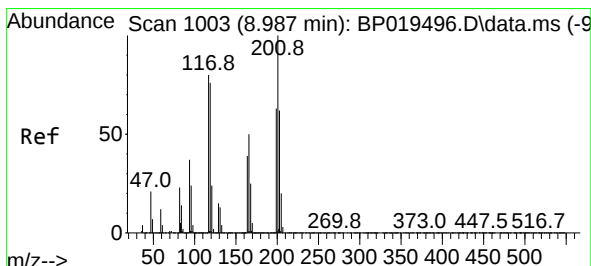
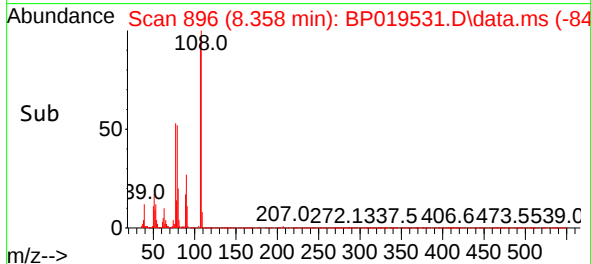
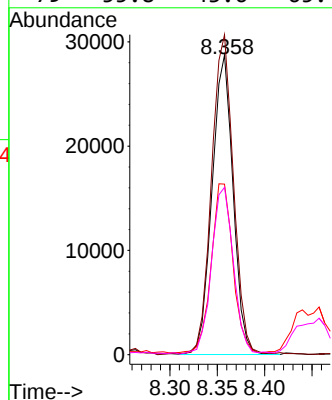
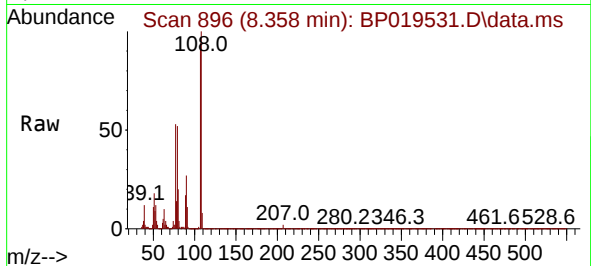
#17
2-Methylphenol
Concen: 10.577 ng
RT: 8.358 min Scan# 897
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:	107	Resp:	4438
Ion Ratio	Lower	Upper	
107	100		
108	106.8	87.0	130.6
77	56.9	43.5	65.3
79	55.8	43.6	65.4

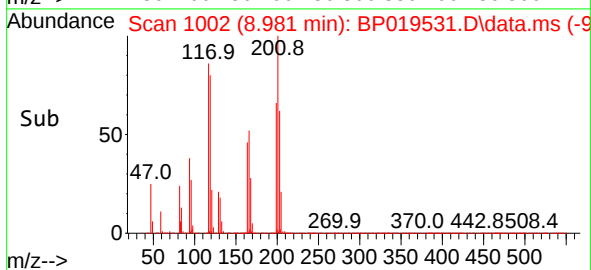
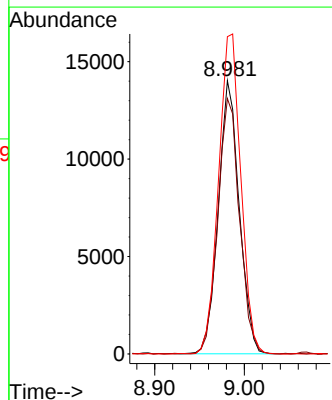
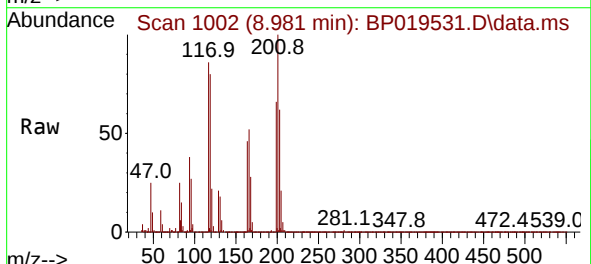
Manual Integrations
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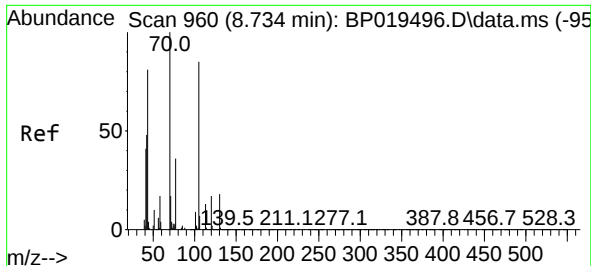
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#18
Hexachloroethane
Concen: 9.965 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

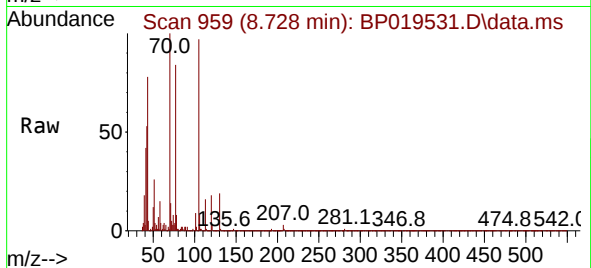
Tgt Ion:	117	Resp:	22802
Ion Ratio	Lower	Upper	
117	100		
119	93.5	75.5	113.3
201	116.1	99.4	149.2





#19
n-Nitroso-di-n-propylamine
Concen: 10.706 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

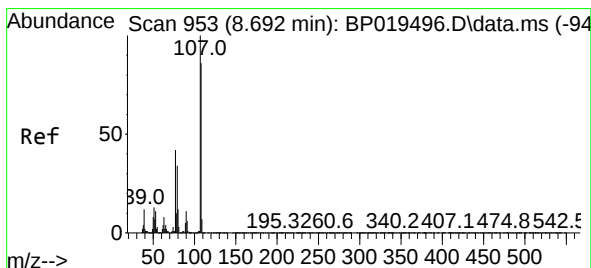
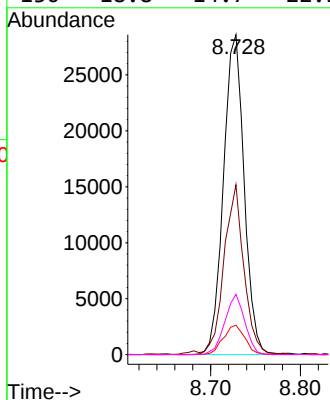
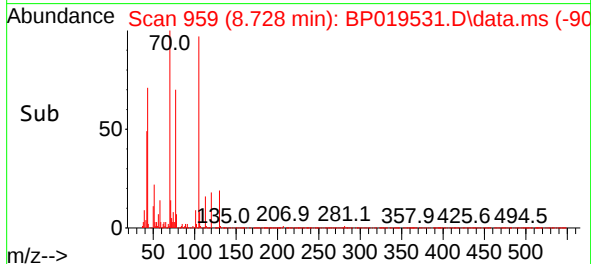
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



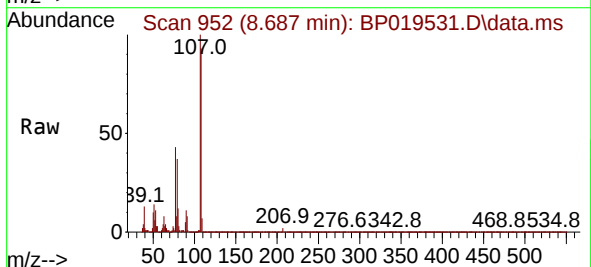
Tgt Ion: 70 Resp: 45730
Ion Ratio Lower Upper
70 100
42 53.1 39.2 58.8
101 9.2 7.3 10.9
130 18.8 14.7 22.1

Manual Integrations
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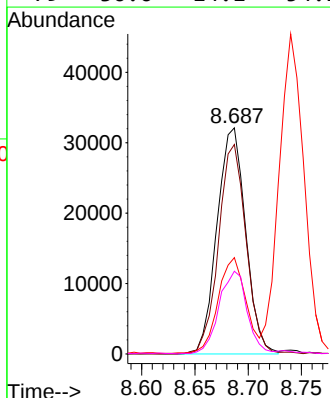
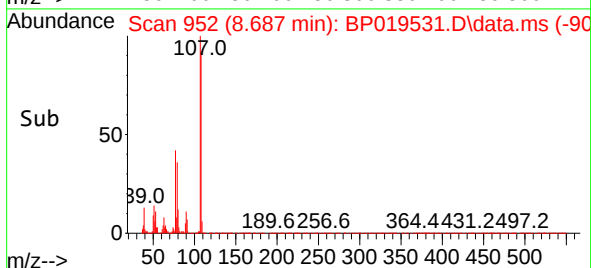
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#20
3+4-Methylphenols
Concen: 10.460 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46



Tgt Ion:107 Resp: 59905
Ion Ratio Lower Upper
107 100
108 92.7 65.5 105.5
77 42.6 21.8 61.8
79 36.6 14.1 54.1





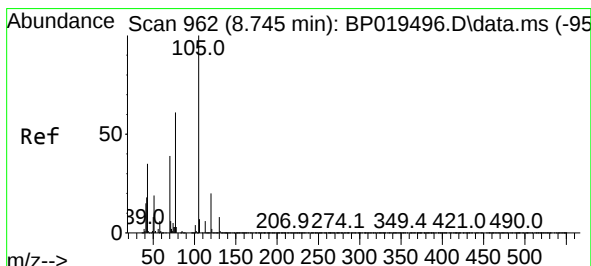
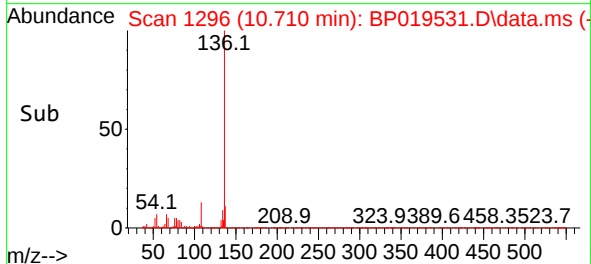
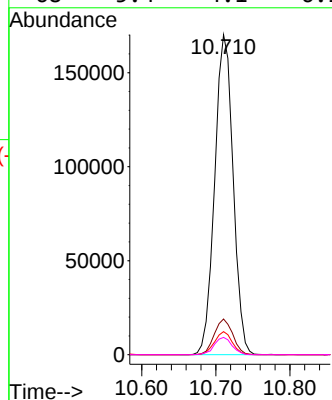
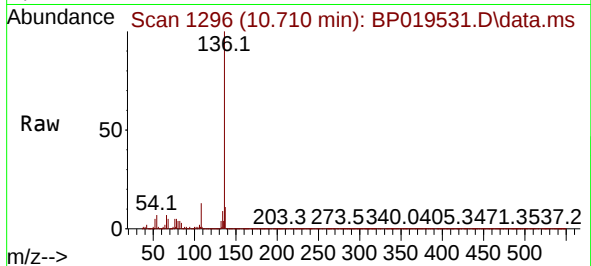
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2023

Tgt Ion:	136	Resp:	29384
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.2	5.3	7.9
68	5.4	4.1	6.1

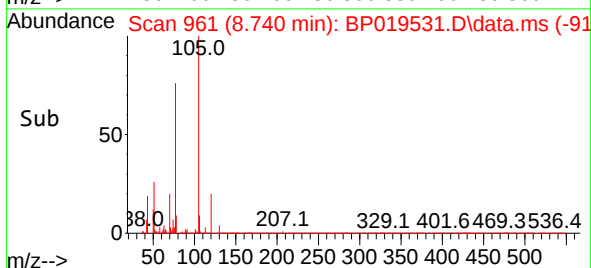
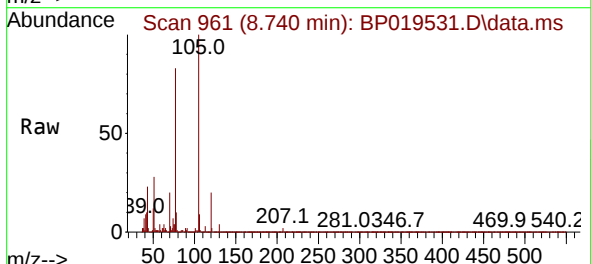
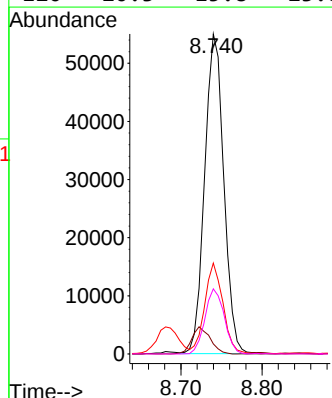
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#22
Acetophenone
Concen: 10.750 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:	105	Resp:	89994
Ion Ratio	Lower	Upper	
105	100		
71	3.1	4.9	7.3
51	28.4	20.7	31.1
120	20.3	15.8	23.8





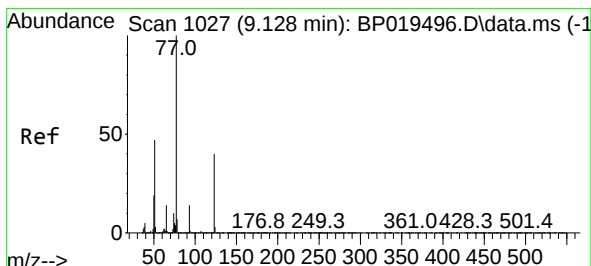
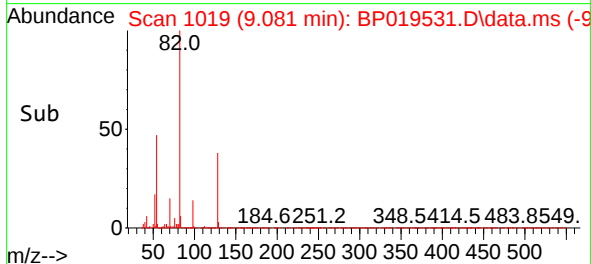
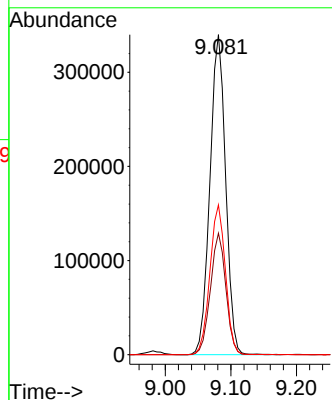
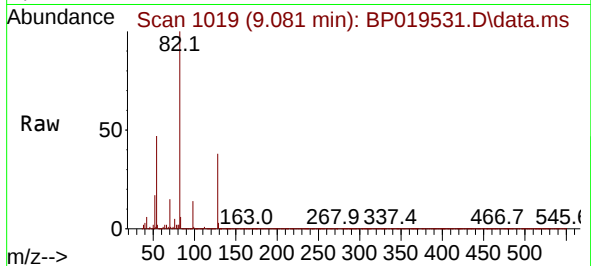
#23
Nitrobenzene-d5
Concen: 83.421 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 82 Resp: 56571
Ion Ratio Lower Upper
82 100
128 37.9 29.7 44.5
54 46.8 36.8 55.2

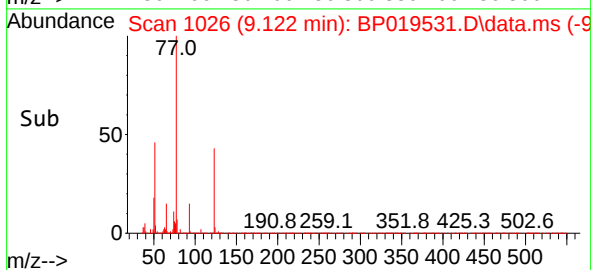
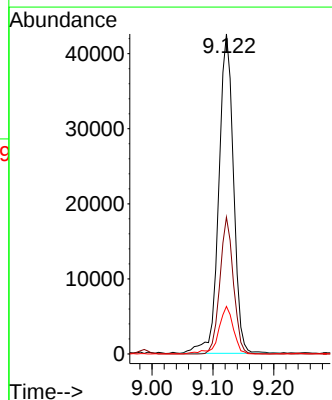
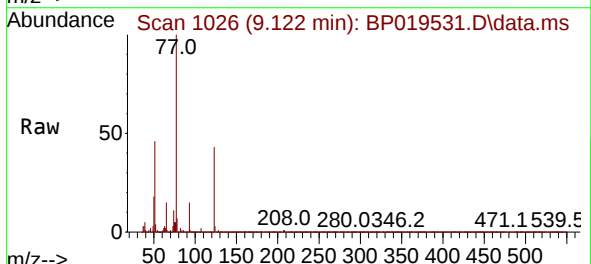
Manual Integrations
APPROVED

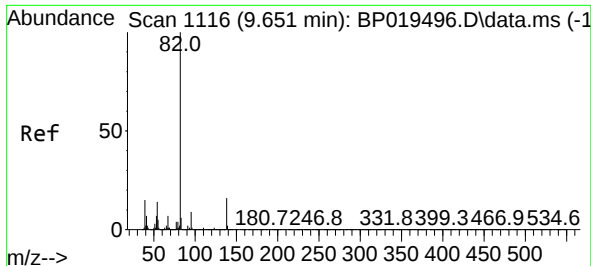
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#24
Nitrobenzene
Concen: 10.437 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion: 77 Resp: 71261
Ion Ratio Lower Upper
77 100
123 42.8 32.3 48.5
65 14.9 11.6 17.4





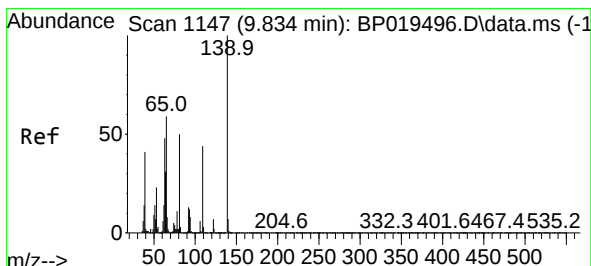
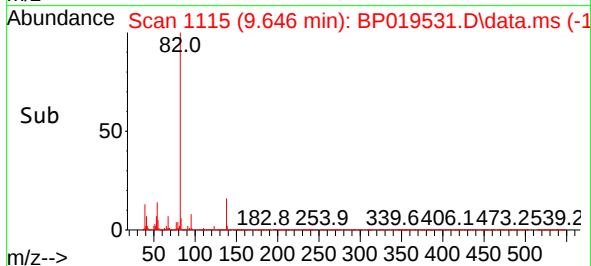
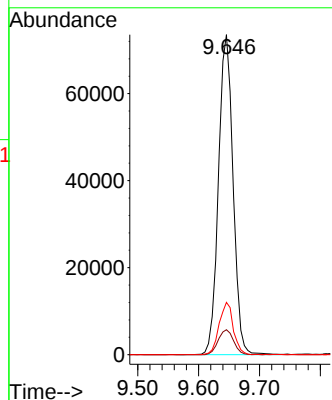
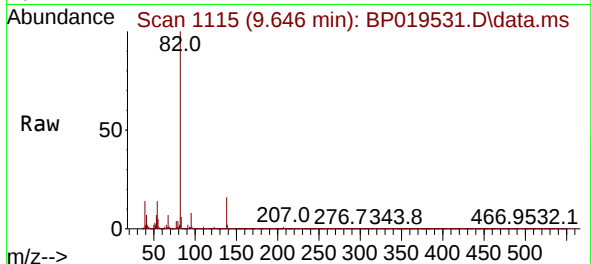
#25
Isophorone
Concen: 10.355 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion: 82 Resp: 122290
Ion Ratio Lower Upper
82 100
95 7.8 7.0 10.4
138 16.3 13.1 19.7

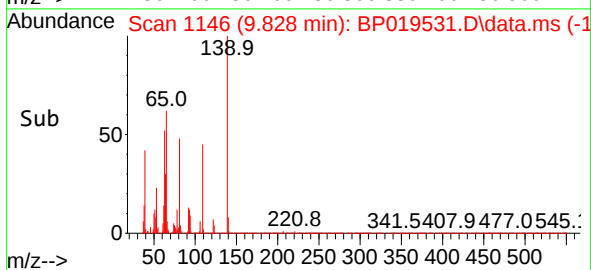
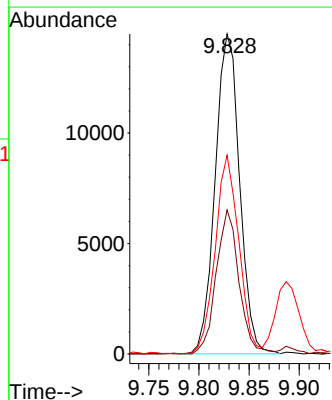
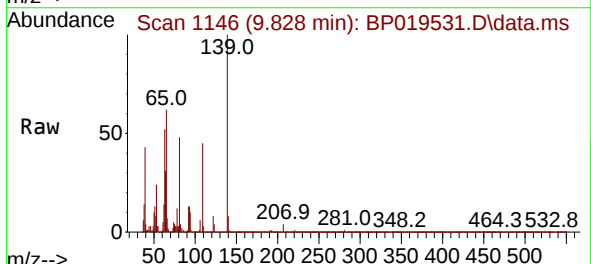
Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#26
2-Nitrophenol
Concen: 9.426 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:139 Resp: 24540
Ion Ratio Lower Upper
139 100
109 45.0 34.9 52.3
65 62.1 47.5 71.3





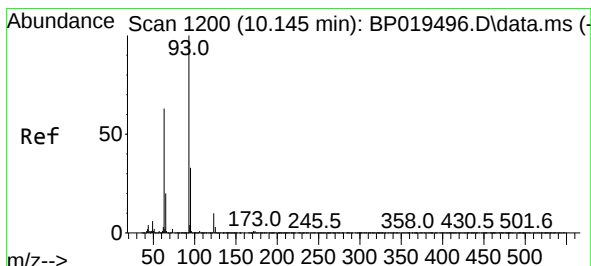
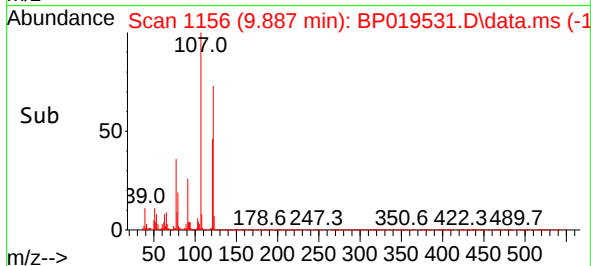
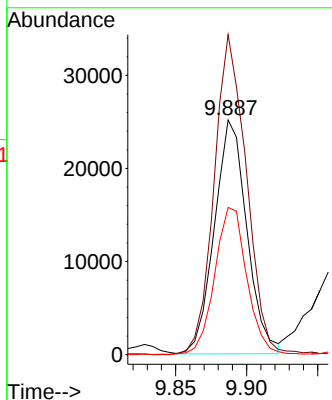
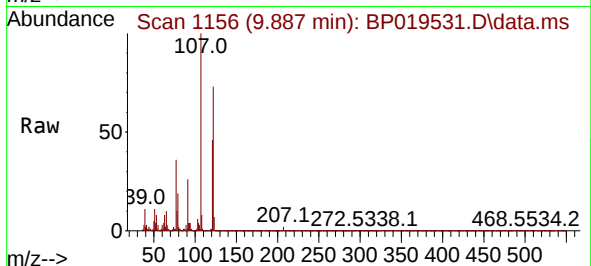
#27
2,4-Dimethylphenol
Concen: 12.004 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:122 Resp: 3996
Ion Ratio Lower Upper
122 100
107 136.3 105.9 158.9
121 62.7 47.5 71.3

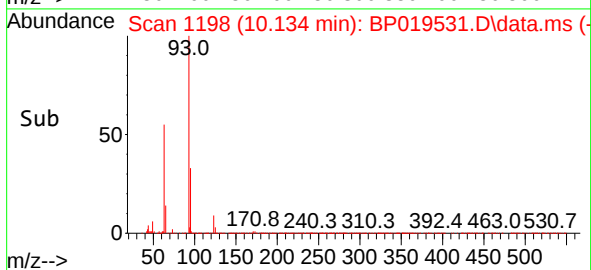
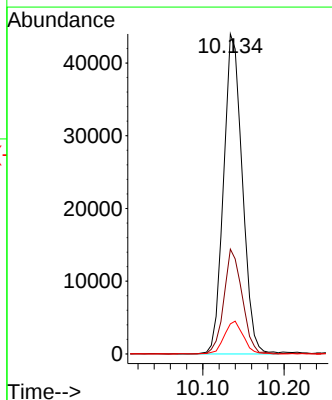
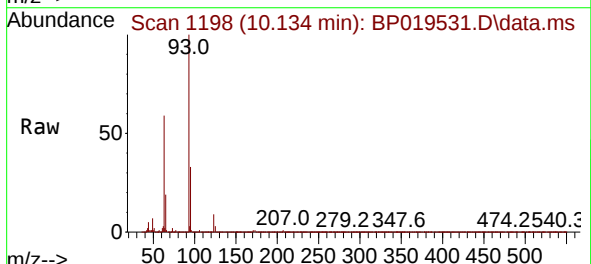
Manual Integrations
APPROVED

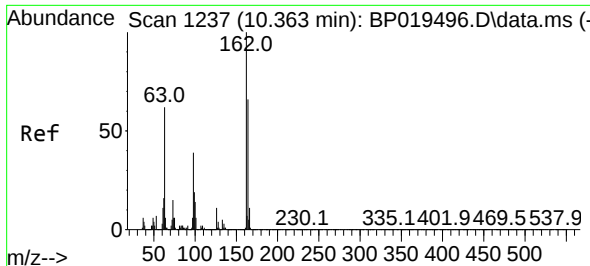
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#28
bis(2-Chloroethoxy)methane
Concen: 10.568 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

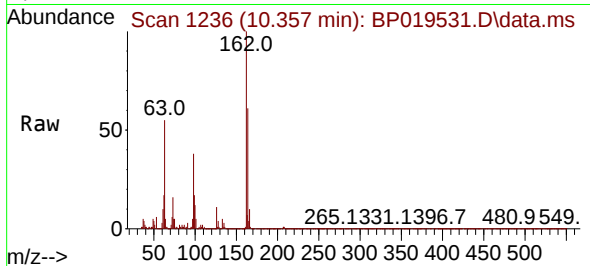
Tgt Ion: 93 Resp: 70616
Ion Ratio Lower Upper
93 100
95 32.7 26.2 39.4
123 9.4 8.5 12.7





#29
2,4-Dichlorophenol
Concen: 10.296 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

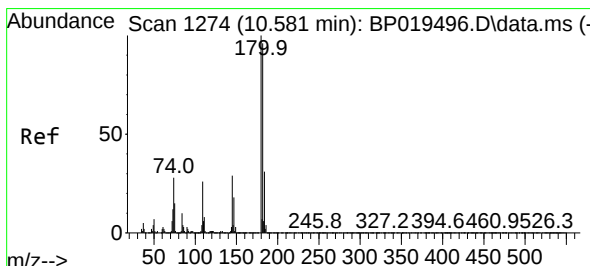
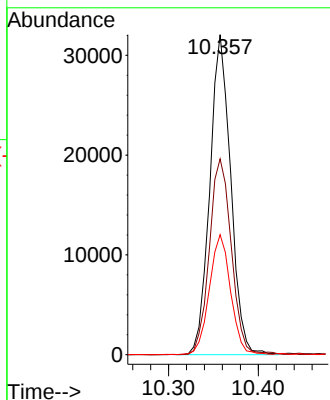
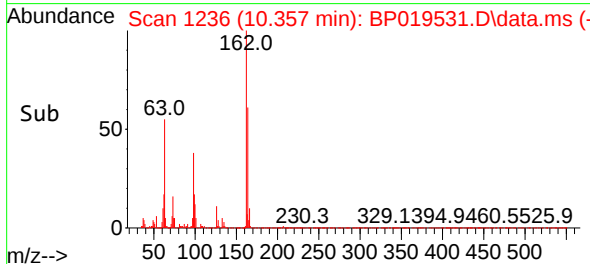
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



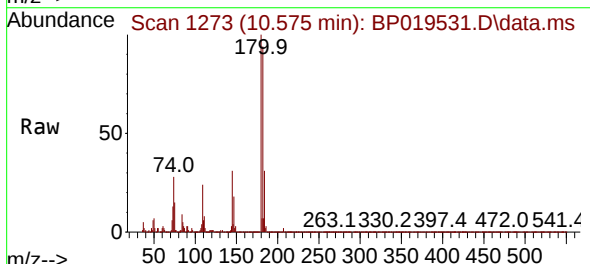
Tgt Ion:162 Resp: 51814
Ion Ratio Lower Upper
162 100
164 61.2 46.0 86.0
98 37.5 18.7 58.7

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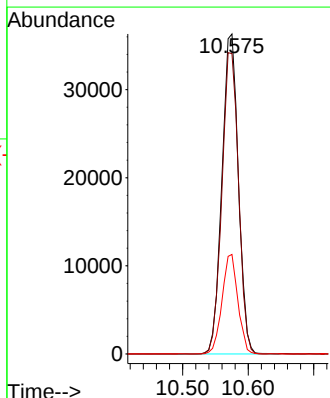
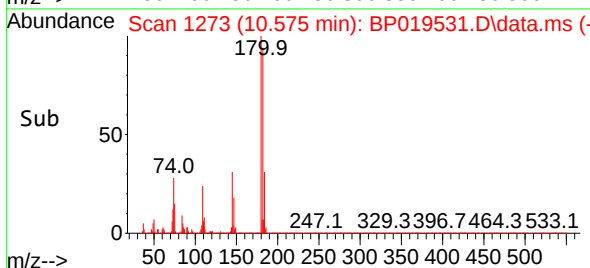
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

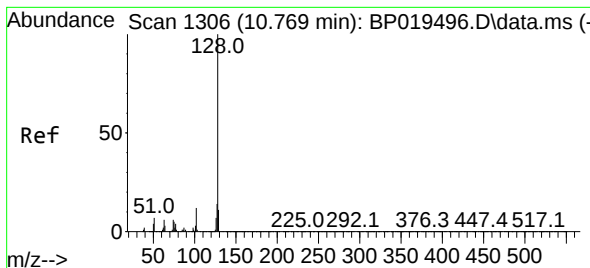


#30
1,2,4-Trichlorobenzene
Concen: 10.209 ng
RT: 10.575 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46



Tgt Ion:180 Resp: 62989
Ion Ratio Lower Upper
180 100
182 93.8 77.0 115.6
145 31.1 23.2 34.8





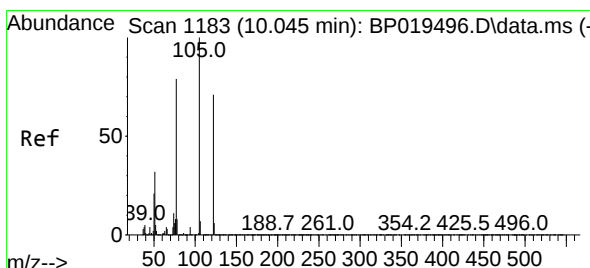
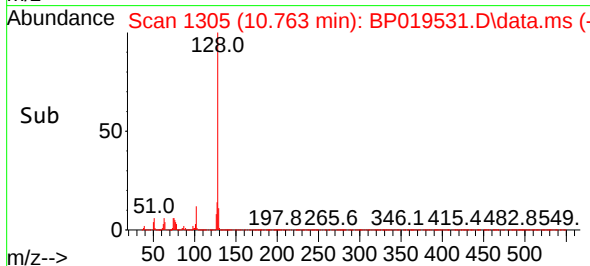
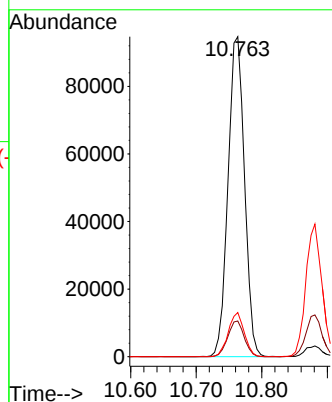
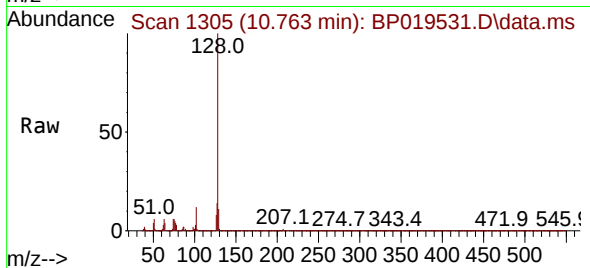
#31
Naphthalene
Concen: 10.256 ng
RT: 10.763 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:128 Resp: 16529
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.8 10.8 16.2

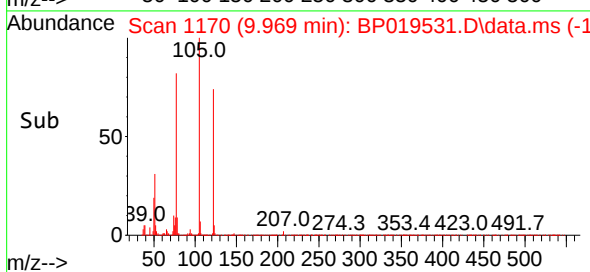
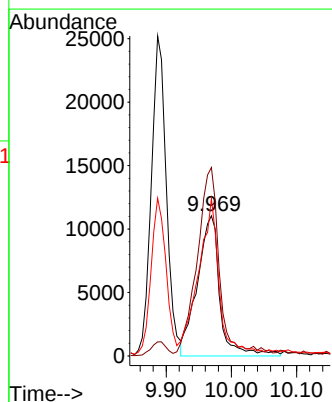
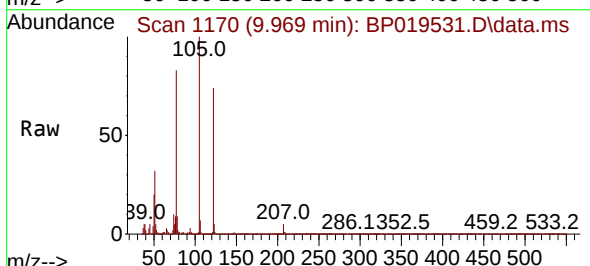
Manual Integrations
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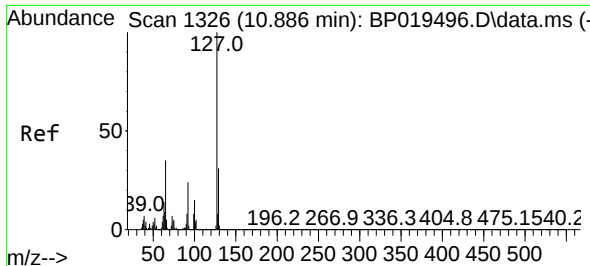
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#32
Benzoic acid
Concen: 8.165 ng m
RT: 9.969 min Scan# 1170
Delta R.T. -0.076 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:122 Resp: 26484
Ion Ratio Lower Upper
122 100
105 134.6 118.8 158.8
77 112.1 91.7 131.7





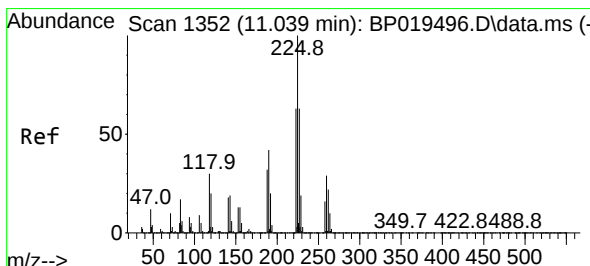
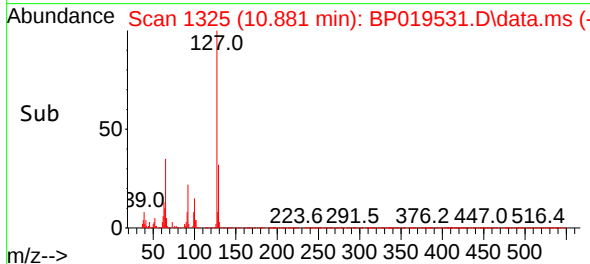
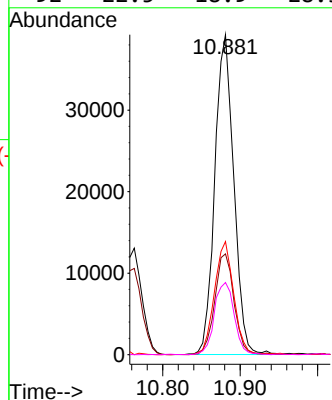
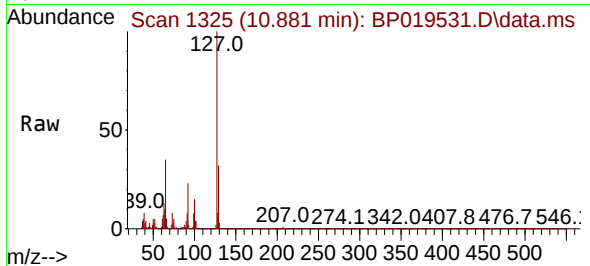
#33
4-Chloroaniline
Concen: 11.204 ng
RT: 10.881 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:	127	Resp:	66779
Ion	Ratio	Lower	Upper
127	100		
129	31.5	24.6	36.8
65	35.4	28.2	42.4
92	22.5	18.9	28.3

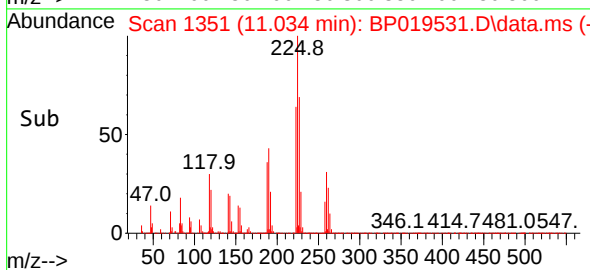
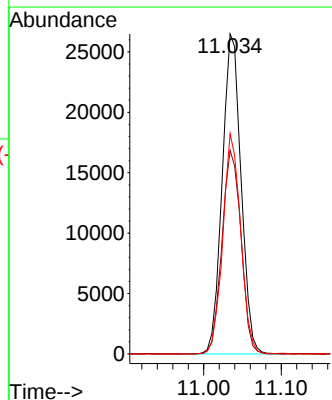
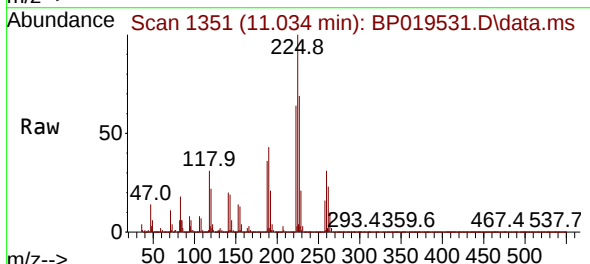
Manual Integrations
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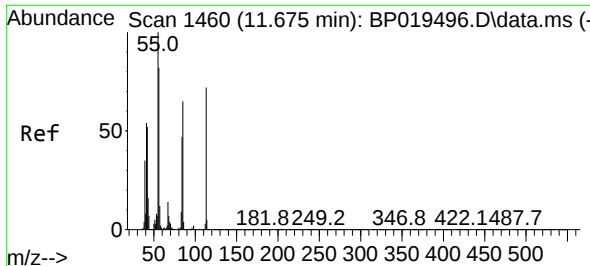
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#34
Hexachlorobutadiene
Concen: 9.766 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

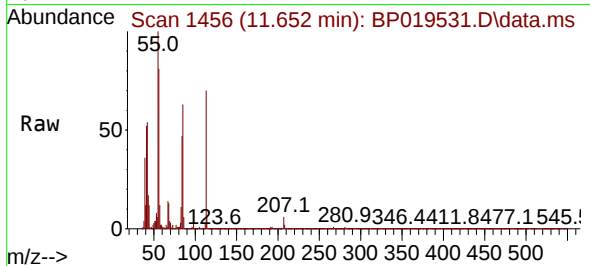
Tgt Ion:	225	Resp:	44653
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.5	75.7
227	68.8	50.2	75.2





#35
Caprolactam
Concen: 8.754 ng
RT: 11.652 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

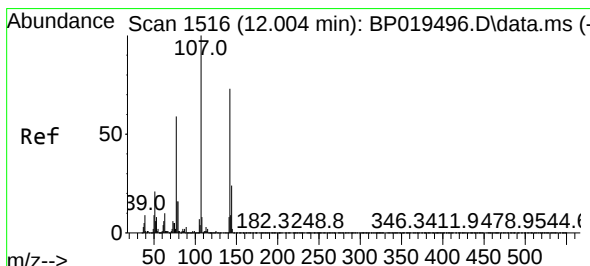
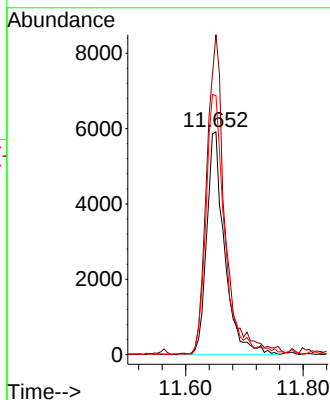
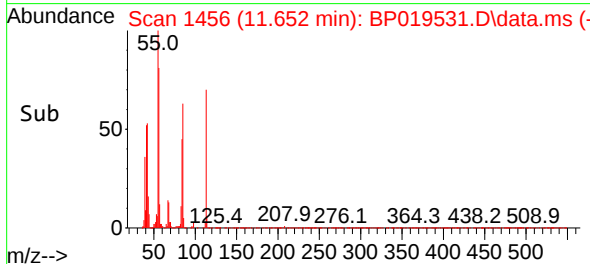
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



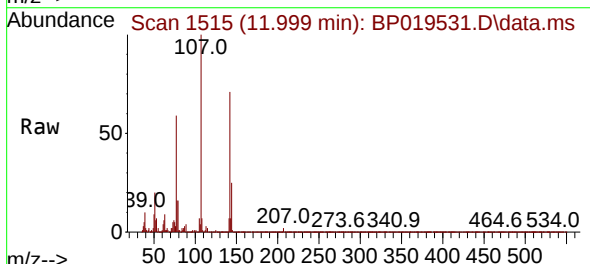
Tgt Ion:113 Resp: 1247
Ion Ratio Lower Upper
113 100
55 143.6 120.0 160.0
56 116.3 94.0 134.0

Manual Integrations
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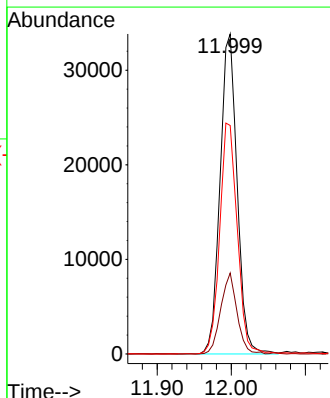
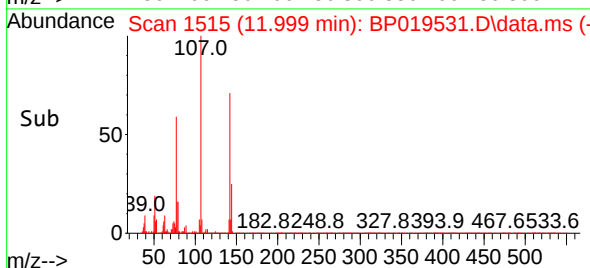
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

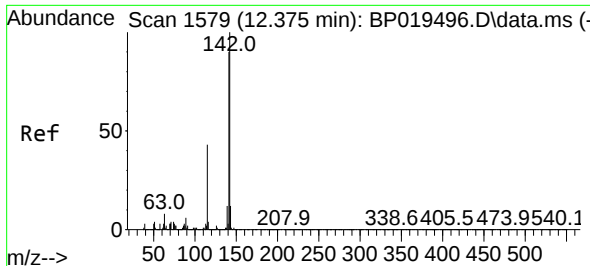


#36
4-Chloro-3-methylphenol
Concen: 9.865 ng
RT: 11.999 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46



Tgt Ion:107 Resp: 54130
Ion Ratio Lower Upper
107 100
144 25.3 19.0 28.4
142 71.4 58.6 88.0





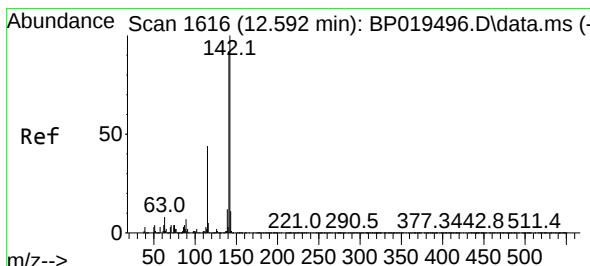
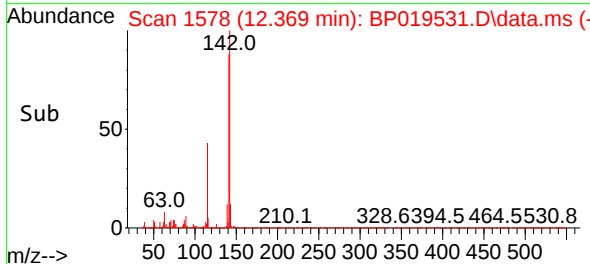
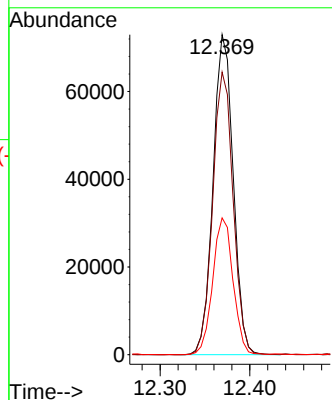
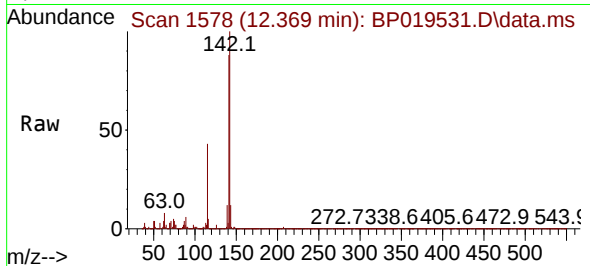
#37
2-Methylnaphthalene
Concen: 10.198 ng
RT: 12.369 min Scan# 11374
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:142 Resp: 11374
Ion Ratio Lower Upper
142 100
141 88.3 72.2 108.4
115 42.7 34.2 51.2

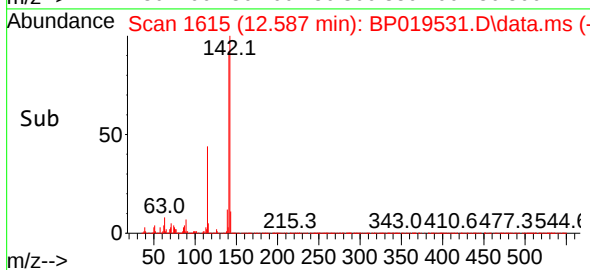
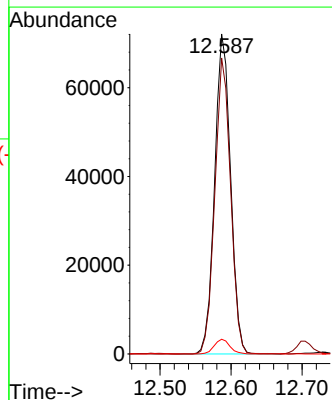
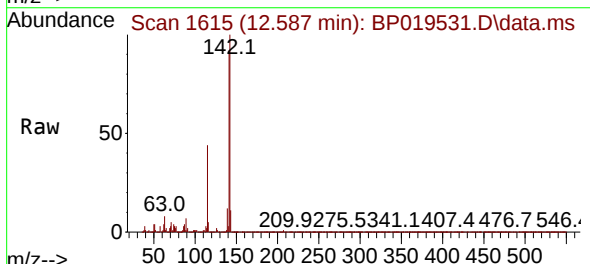
Manual Integrations
APPROVED

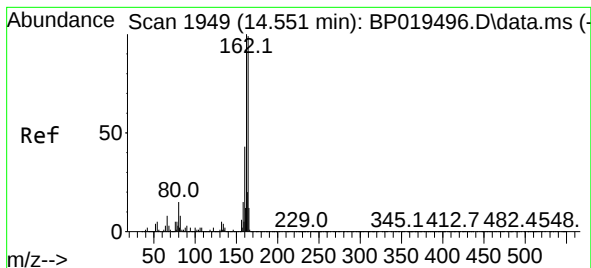
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#38
1-Methylnaphthalene
Concen: 10.216 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:142 Resp: 111969
Ion Ratio Lower Upper
142 100
141 92.5 74.0 111.0
116 4.6 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

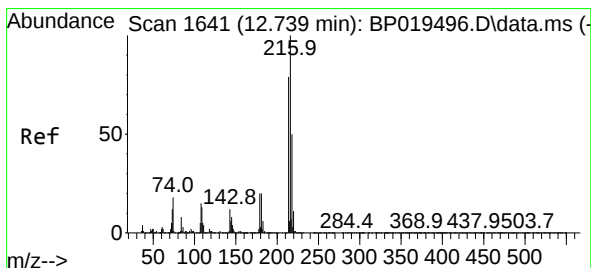
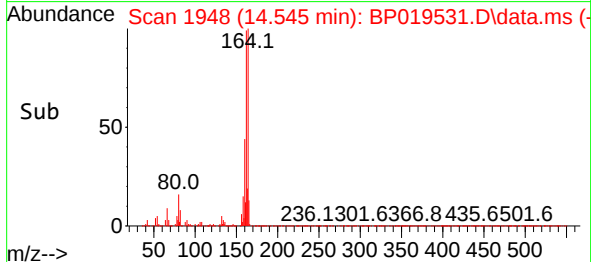
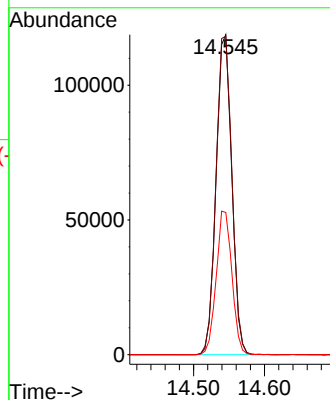
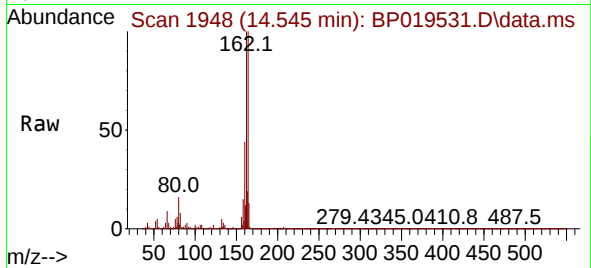
LOQ-SOIL-02-QT4-2023

Tgt Ion:164	Resp: 18100
Ion Ratio	Lower Upper
164	100
162	99.5 81.2 121.8
160	44.5 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.767 ng

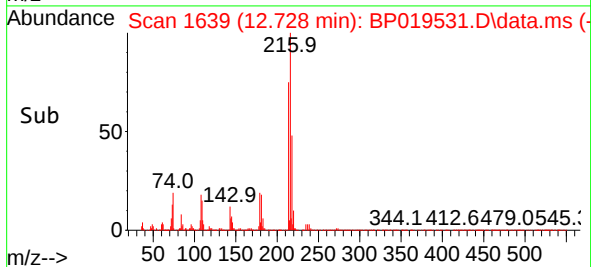
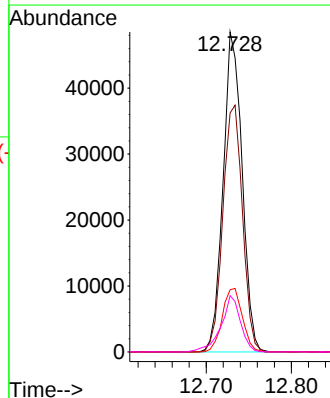
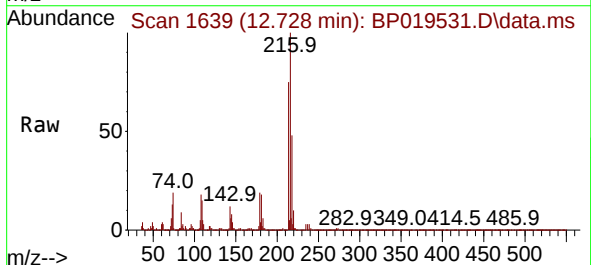
RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion:216	Resp: 75159
Ion Ratio	Lower Upper
216	100
214	79.8 62.8 94.2
179	21.0 16.6 24.8
108	18.1 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 13.001 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

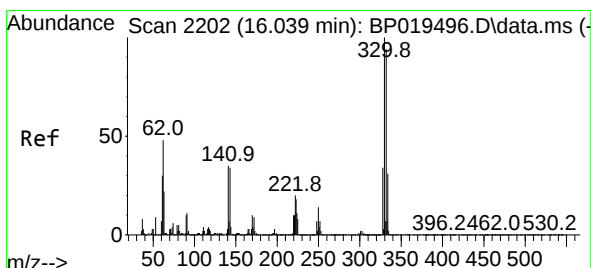
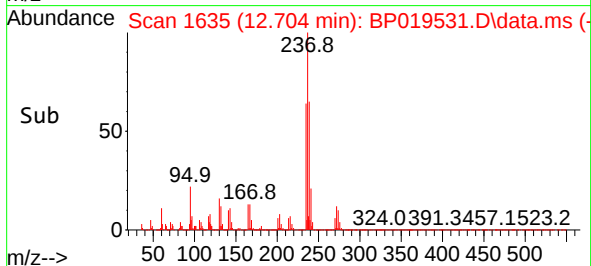
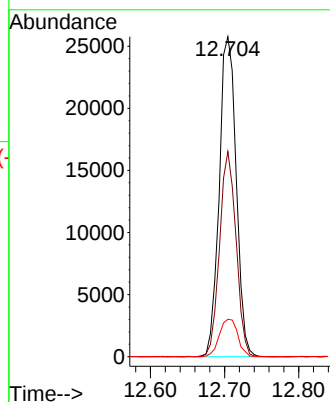
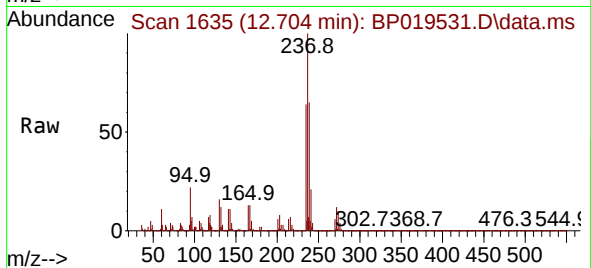
LOQ-SOIL-02-QT4-2023

Tgt Ion:	237	Resp:	41000
Ion Ratio	Lower	Upper	
237	100		
235	64.1	43.7	83.7
272	11.7	0.0	32.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#42

2,4,6-Tribromophenol

Concen: 134.666 ng

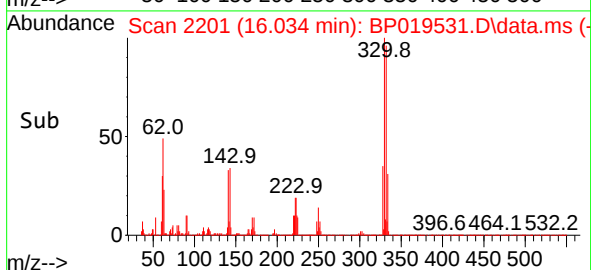
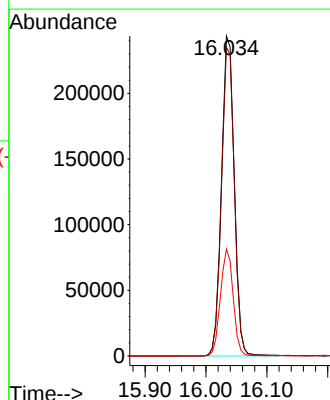
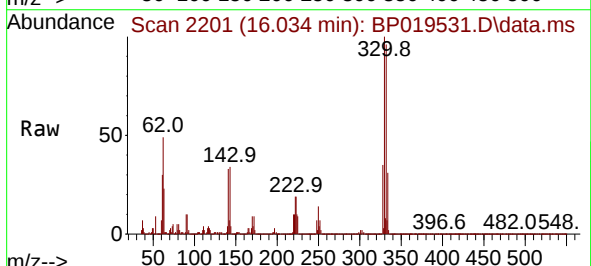
RT: 16.034 min Scan# 2201

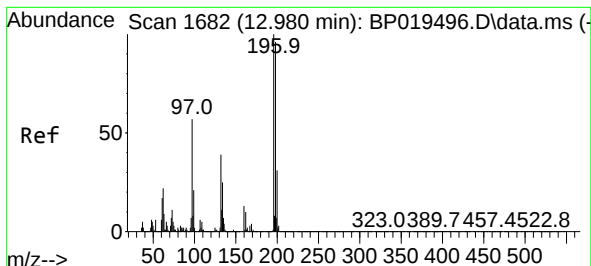
Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion:	330	Resp:	355896
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.2	115.8
141	33.3	27.0	40.4





#43

2,4,6-Trichlorophenol

Concen: 10.285 ng

RT: 12.975 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

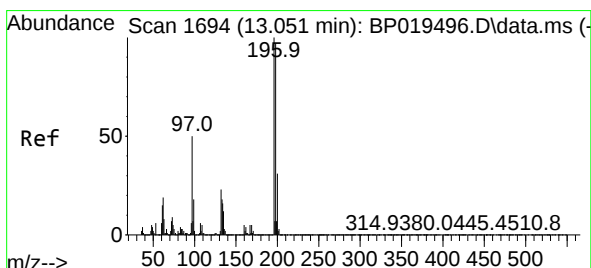
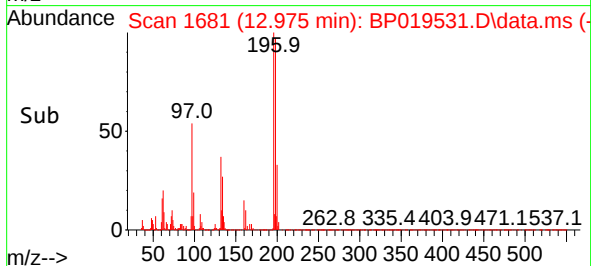
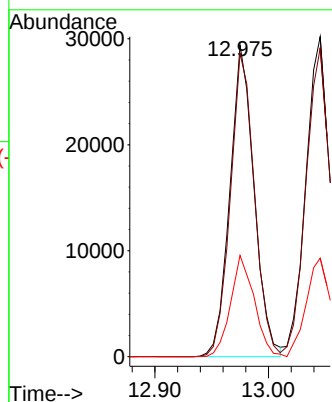
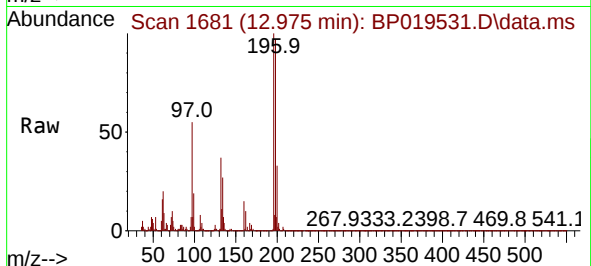
LOQ-SOIL-02-QT4-2023

Tgt Ion:	196	Resp:	4347
Ion Ratio	Lower	Upper	
196	100		
198	97.4	76.7	115.1
200	32.5	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#44

2,4,5-Trichlorophenol

Concen: 9.877 ng

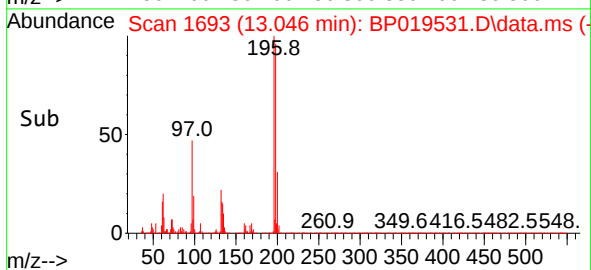
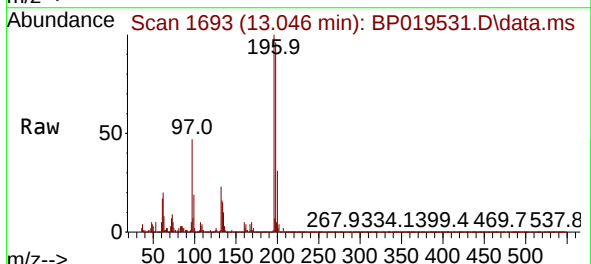
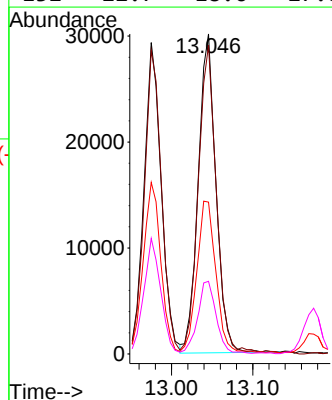
RT: 13.046 min Scan# 1693

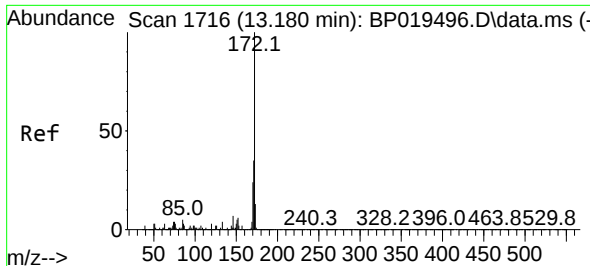
Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

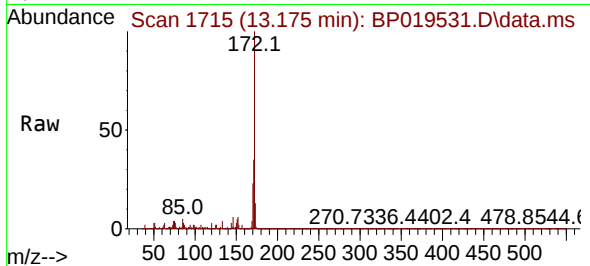
Tgt Ion:	196	Resp:	45843
Ion Ratio	Lower	Upper	
196	100		
198	96.5	77.5	116.3
97	47.4	39.9	59.9
132	22.7	18.6	27.8





#45
2-Fluorobiphenyl
Concen: 85.185 ng
RT: 13.175 min Scan# 1715
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

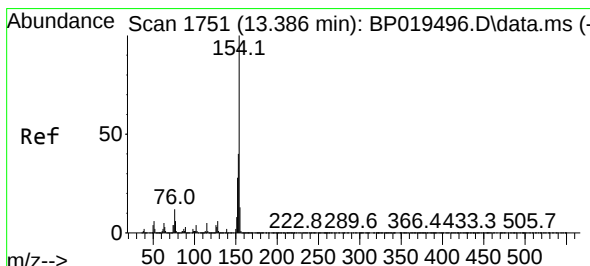
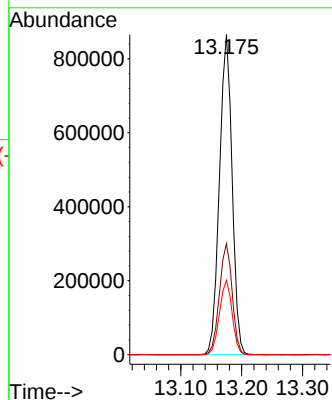
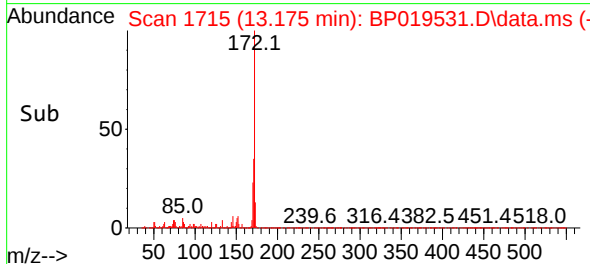
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



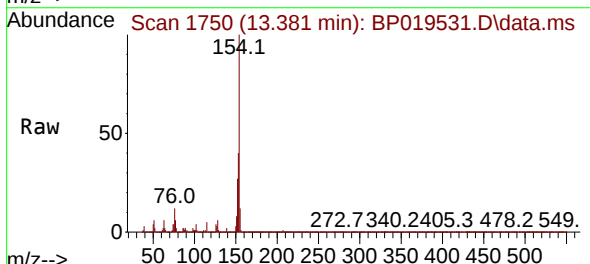
Tgt Ion:172 Resp: 124725
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 23.2 18.9 28.3

Manual Integrations
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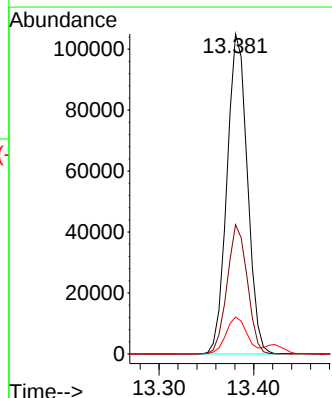
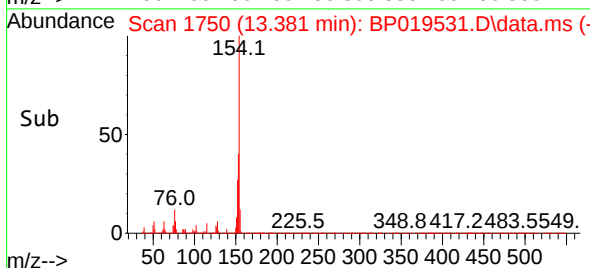
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

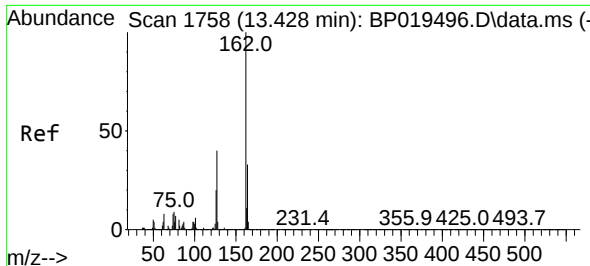


#46
1,1'-Biphenyl
Concen: 10.877 ng
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46



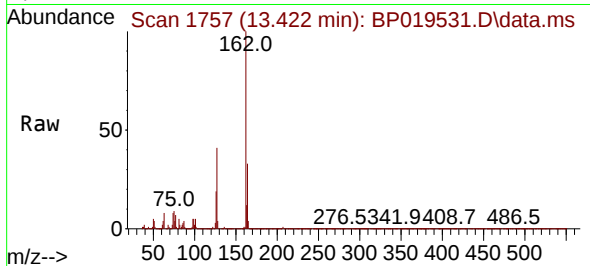
Tgt Ion:154 Resp: 157135
Ion Ratio Lower Upper
154 100
153 40.4 20.2 60.2
76 11.5 0.0 31.6





#47
2-Chloronaphthalene
Concen: 10.389 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

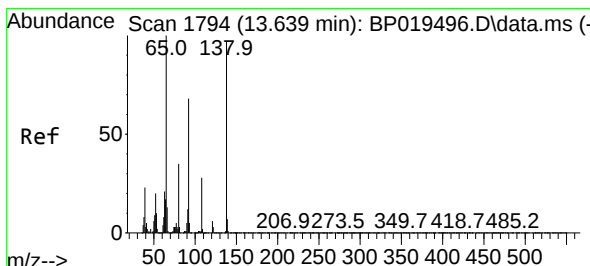
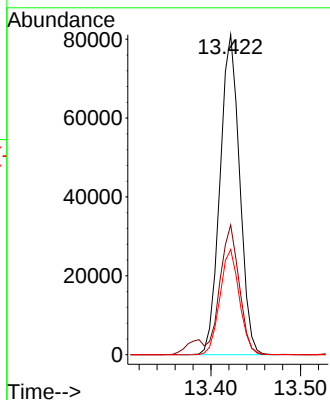
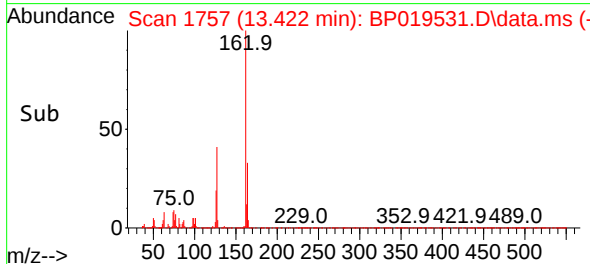
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



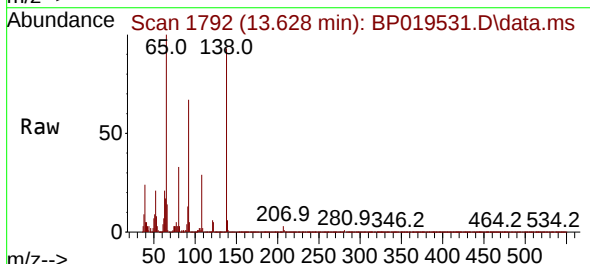
Tgt Ion:162 Resp: 123200
Ion Ratio Lower Upper
162 100
127 40.6 32.1 48.1
164 32.9 26.7 40.1

Manual Integrations
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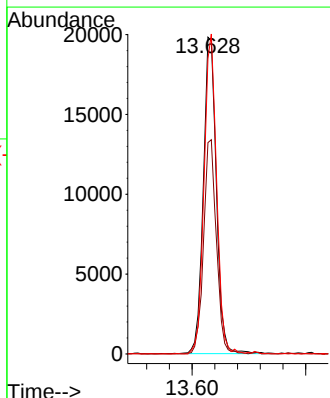
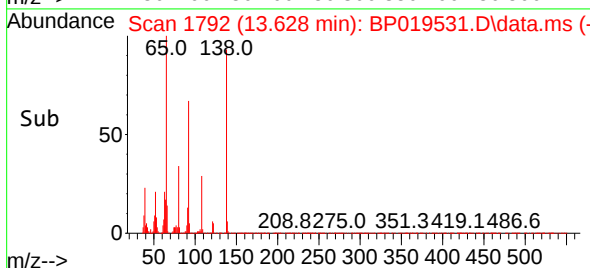
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

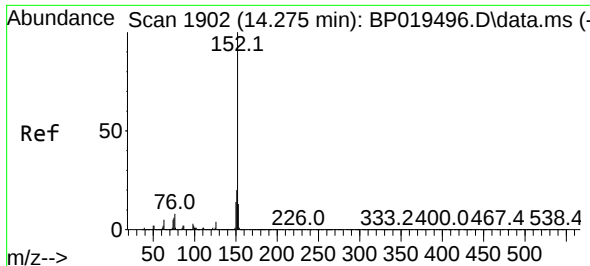


#48
2-Nitroaniline
Concen: 9.524 ng
RT: 13.628 min Scan# 1792
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46



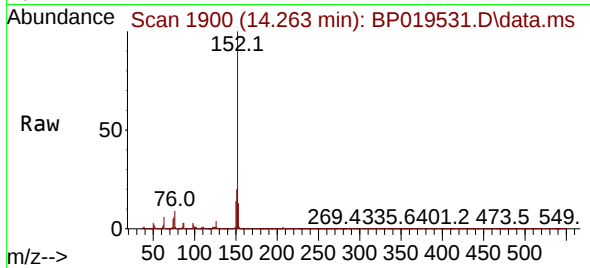
Tgt Ion: 65 Resp: 31583
Ion Ratio Lower Upper
65 100
92 66.7 54.7 82.1
138 93.2 77.8 116.6





#49
Acenaphthylene
Concen: 11.231 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

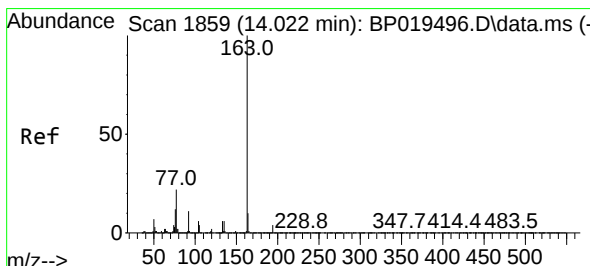
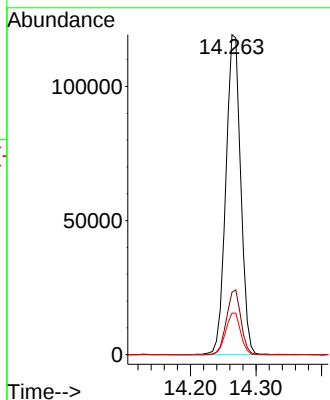
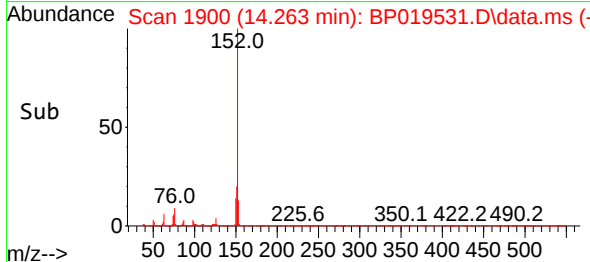
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



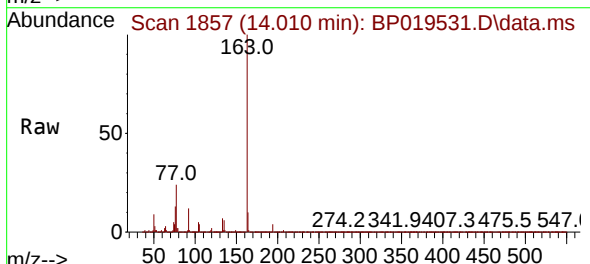
Tgt Ion:152 Resp: 186864
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.0 10.6 15.8

Manual Integrations
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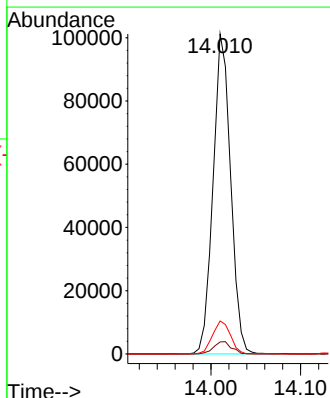
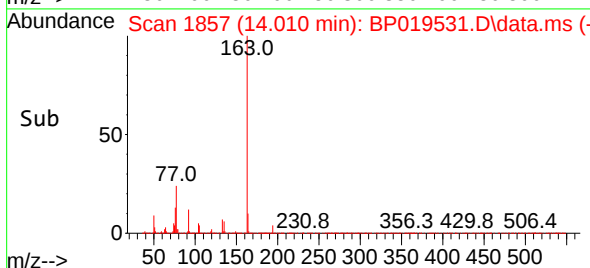
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

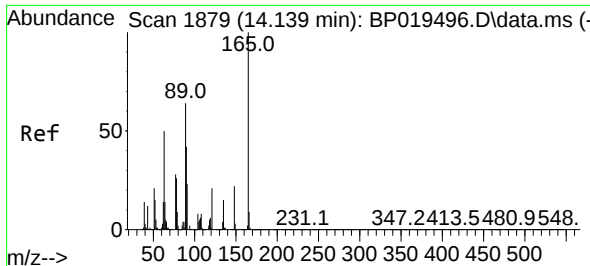


#50
Dimethylphthalate
Concen: 9.925 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46



Tgt Ion:163 Resp: 137519
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 10.3 7.8 11.6





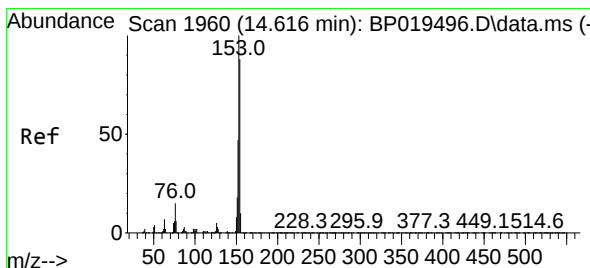
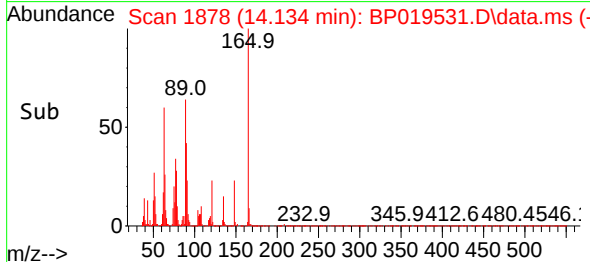
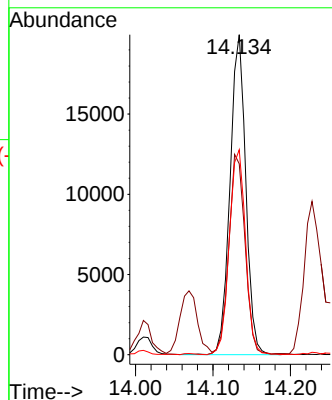
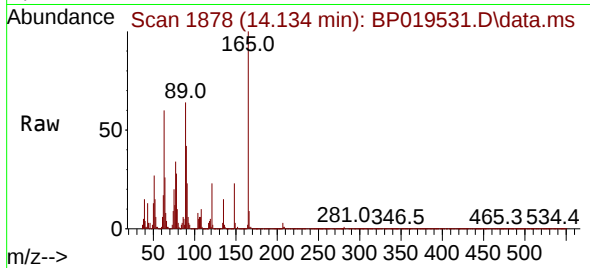
#51
2,6-Dinitrotoluene
Concen: 9.256 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:165 Resp: 28179
Ion Ratio Lower Upper
165 100
63 59.6 50.4 75.6
89 64.1 51.7 77.5

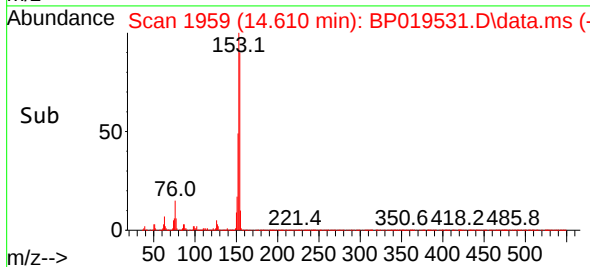
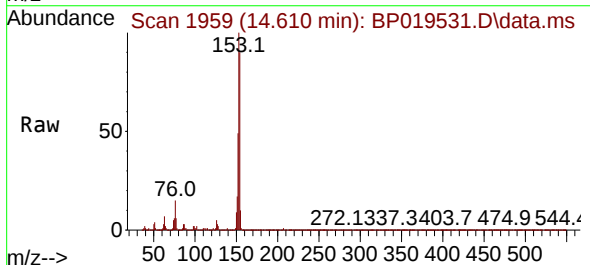
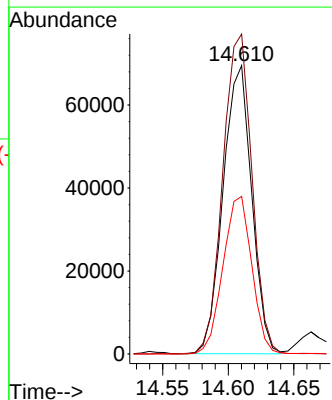
Manual Integrations
APPROVED

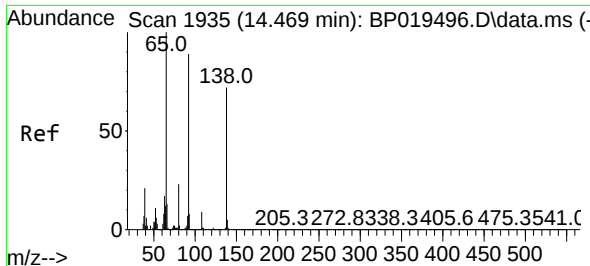
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#52
Acenaphthene
Concen: 10.216 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:154 Resp: 105496
Ion Ratio Lower Upper
154 100
153 110.9 90.5 135.7
152 54.6 42.1 63.1





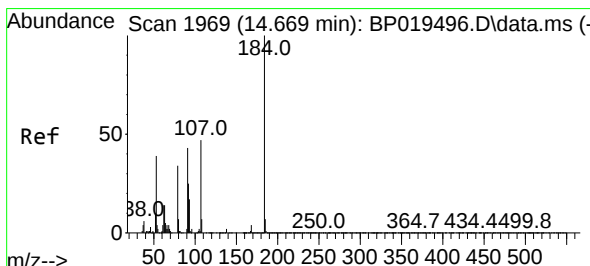
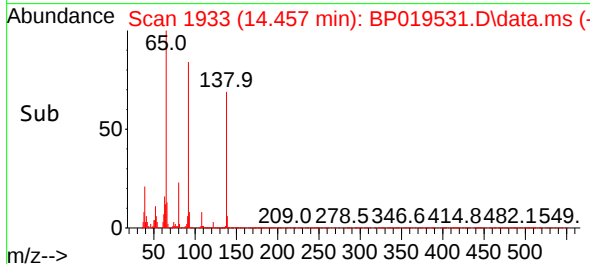
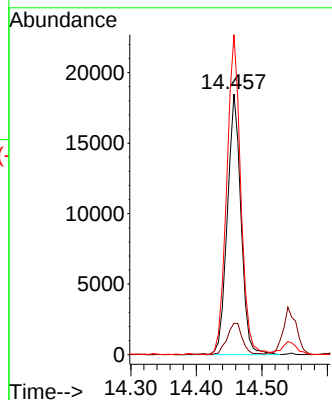
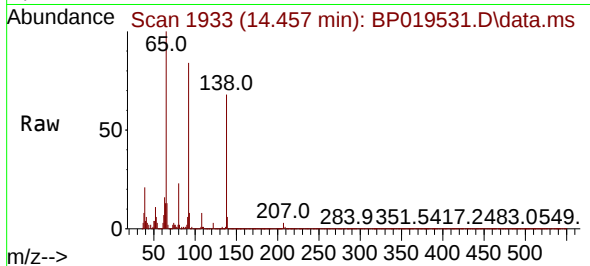
#53
3-Nitroaniline
Concen: 9.521 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:138 Resp: 2663
Ion Ratio Lower Upper
138 100
108 12.1 9.7 14.5
92 122.8 98.0 147.0

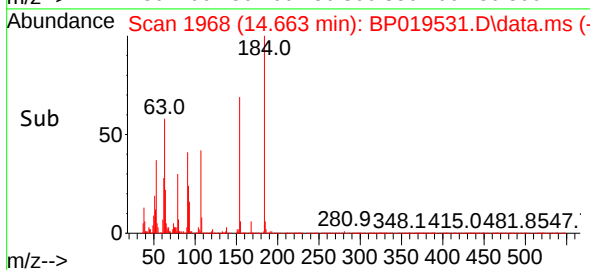
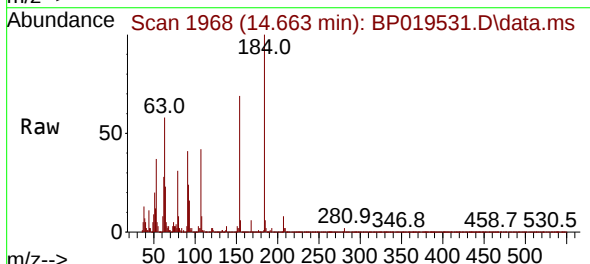
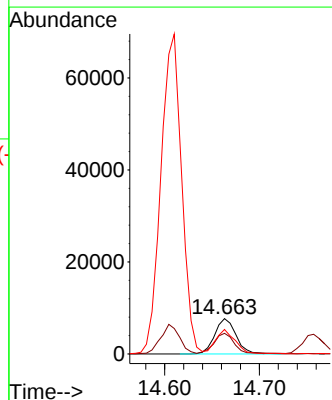
Manual Integrations
APPROVED

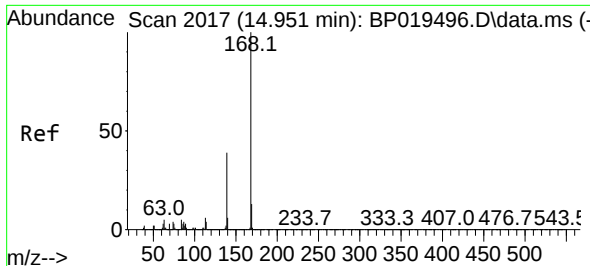
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#54
2,4-Dinitrophenol
Concen: 7.571 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:184 Resp: 11968
Ion Ratio Lower Upper
184 100
63 58.2 50.5 75.7
154 69.2 53.4 80.0





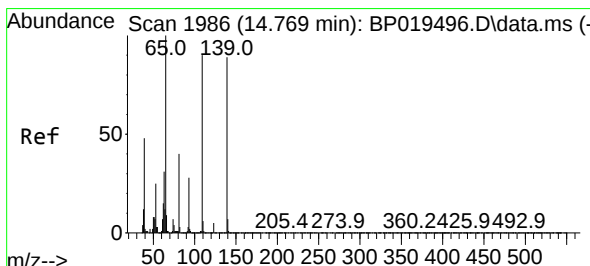
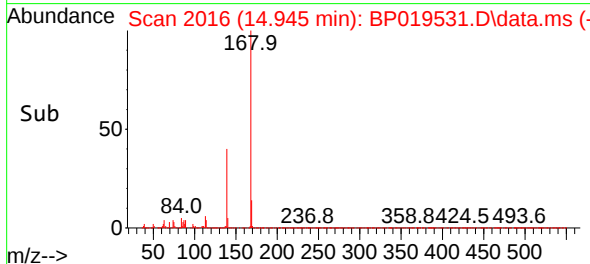
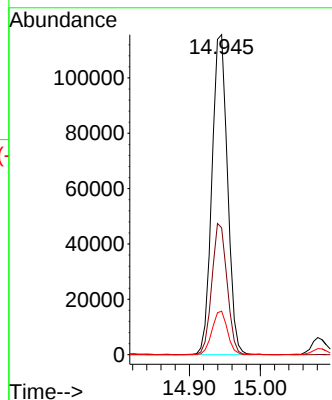
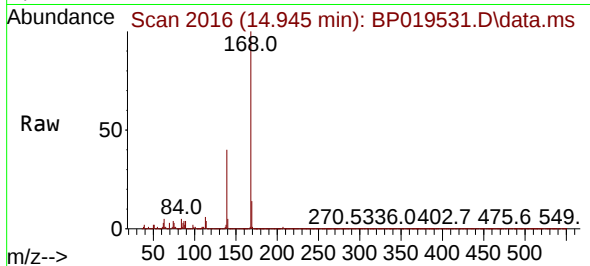
#55
Dibenzenofuran
Concen: 10.457 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:168 Resp: 175870
Ion Ratio Lower Upper
168 100
139 39.6 31.5 47.3
169 13.6 10.3 15.5

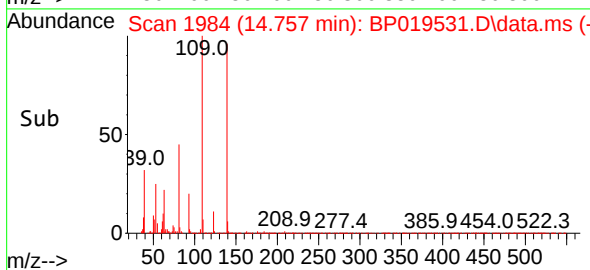
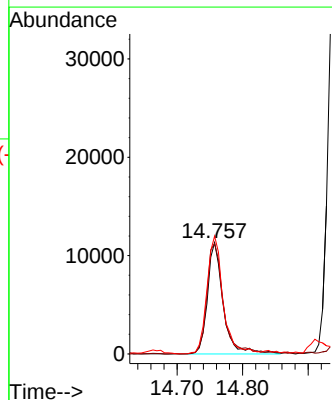
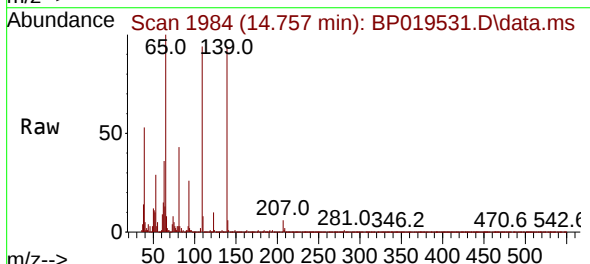
Manual Integrations
APPROVED

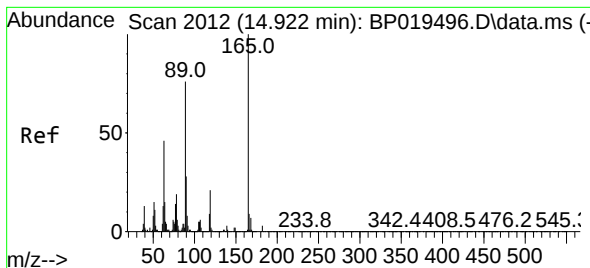
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#56
4-Nitrophenol
Concen: 8.214 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

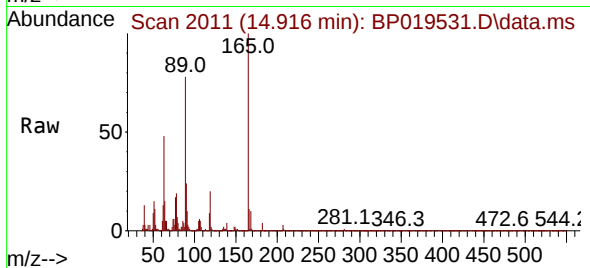
Tgt Ion:139 Resp: 18837
Ion Ratio Lower Upper
139 100
109 99.2 82.0 122.0
65 105.8 92.9 132.9





#57
2,4-Dinitrotoluene
Concen: 8.408 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

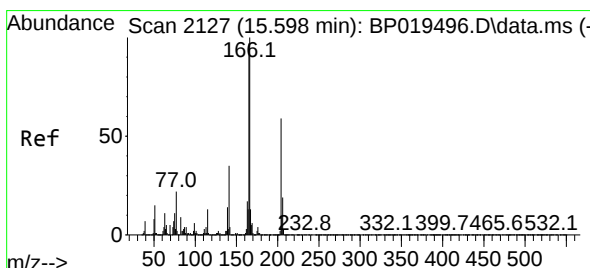
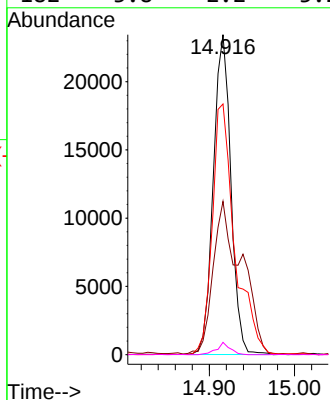
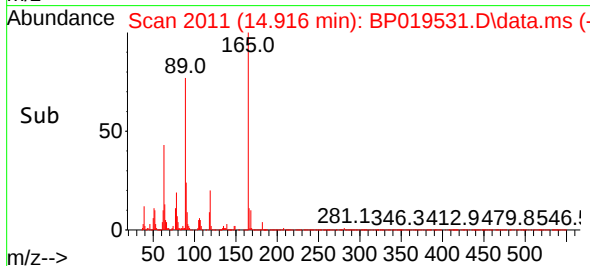
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:165 Resp: 3354
Ion Ratio Lower Upper
165 100
63 47.9 36.9 55.3
89 78.4 61.1 91.7
182 3.8 2.2 3.2#

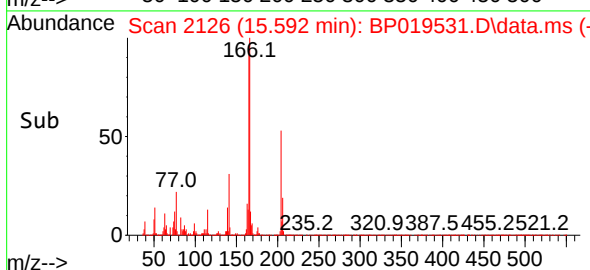
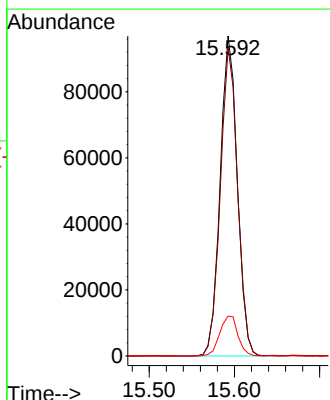
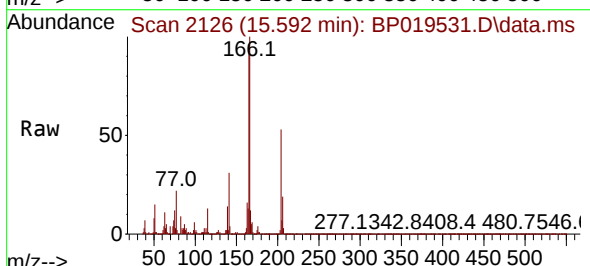
Manual Integrations
APPROVED

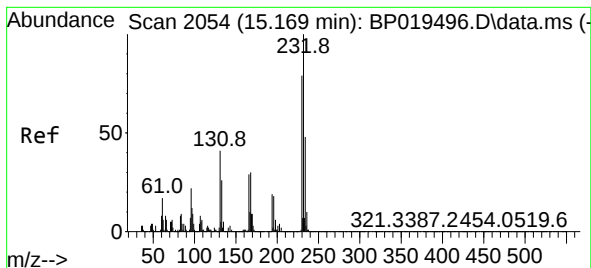
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#58
Fluorene
Concen: 10.111 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:166 Resp: 135438
Ion Ratio Lower Upper
166 100
165 96.3 77.8 116.8
167 12.5 10.7 16.1





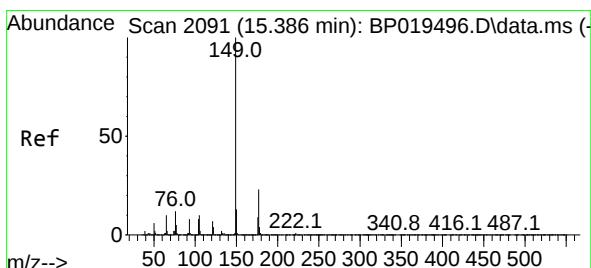
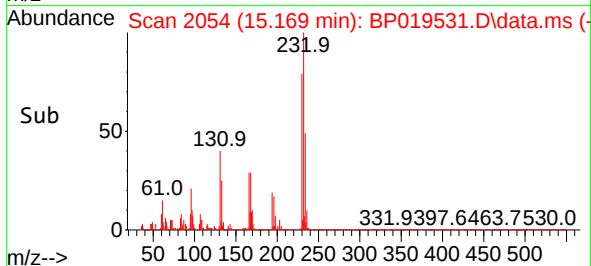
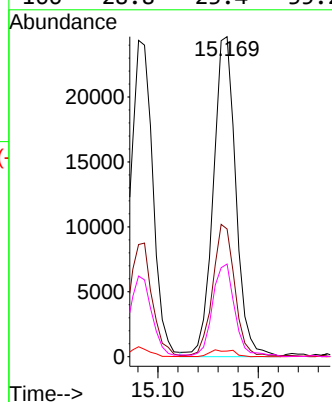
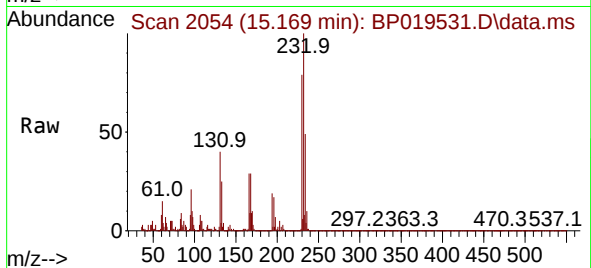
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.866 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion	Ratio	Lower	Upper
232	100		
131	40.8	32.4	48.6
130	2.3	1.9	2.9
166	28.8	23.4	35.2

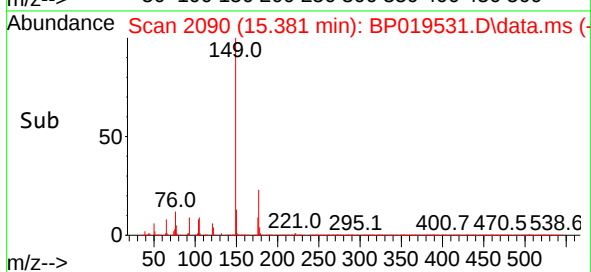
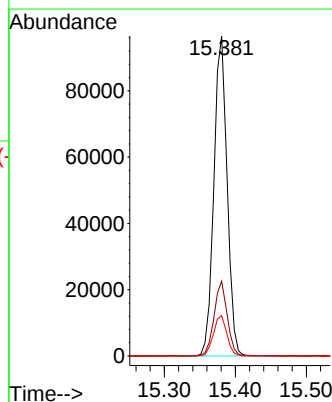
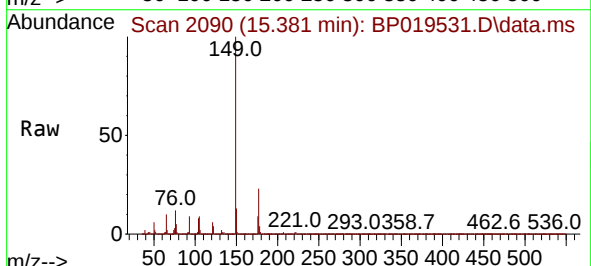
Manual Integrations
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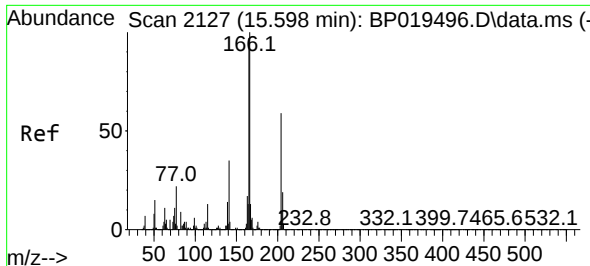
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#60
Diethylphthalate
Concen: 9.041 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

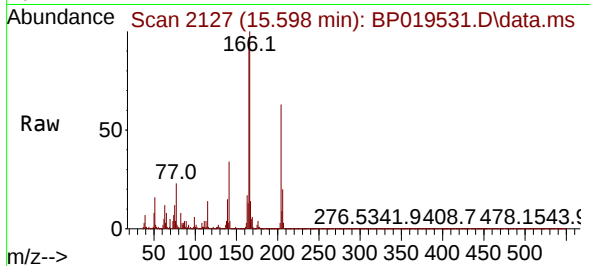
Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.6	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 9.982 ng
RT: 15.598 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

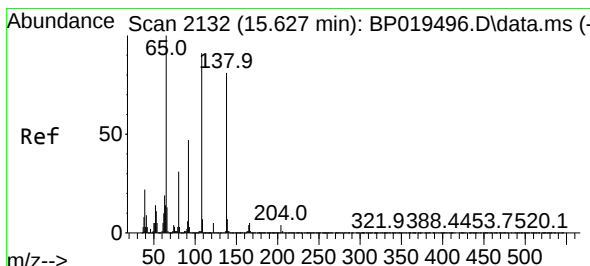
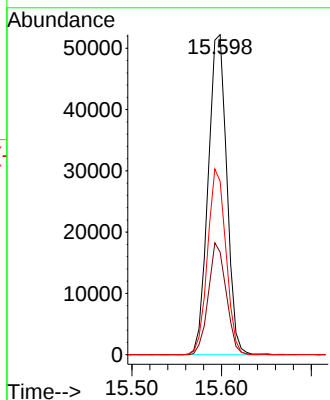
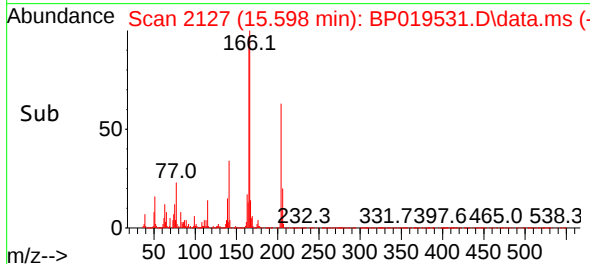
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:204 Resp: 7515
Ion Ratio Lower Upper
204 100
206 32.0 26.5 39.7
141 54.2 48.5 72.7

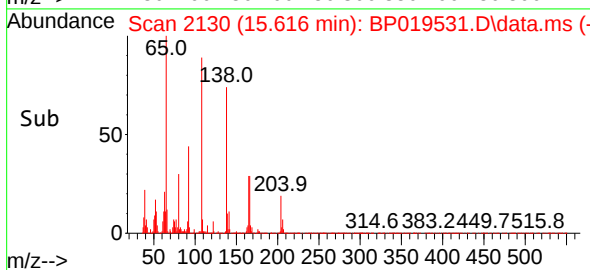
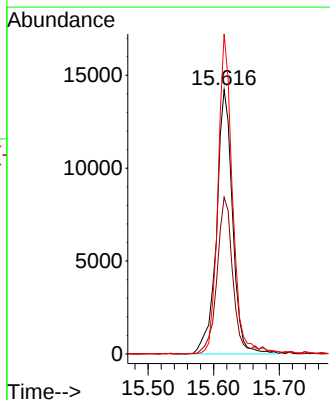
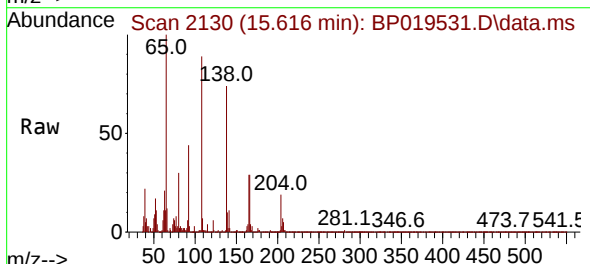
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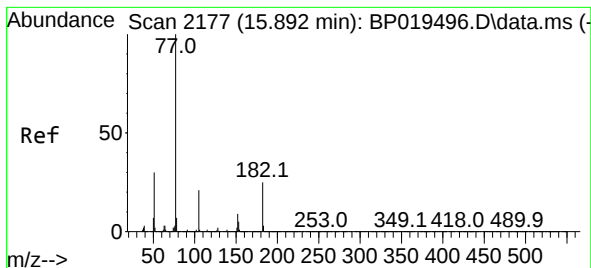
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#62
4-Nitroaniline
Concen: 8.190 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:138 Resp: 24019
Ion Ratio Lower Upper
138 100
92 59.3 38.3 78.3
108 121.1 91.2 131.2





#63

Azobenzene

Concen: 9.702 ng

RT: 15.887 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion: 77 Resp: 12931

Ion Ratio Lower Upper

77 100

182 25.2 5.1 45.1

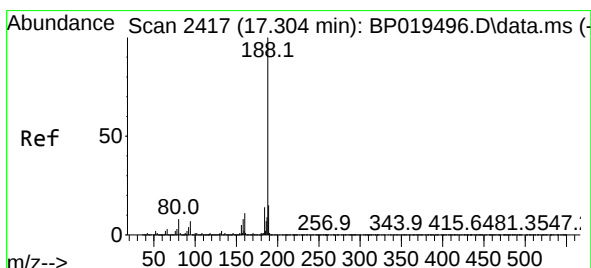
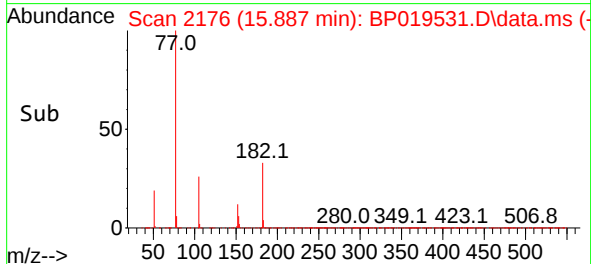
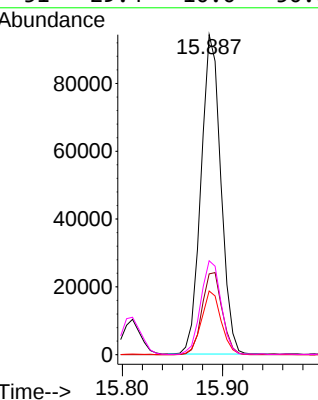
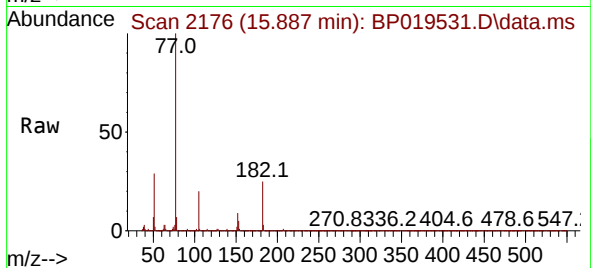
105 19.9 0.8 40.8

51 29.4 10.0 50.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

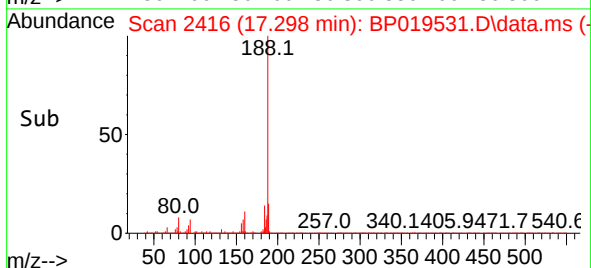
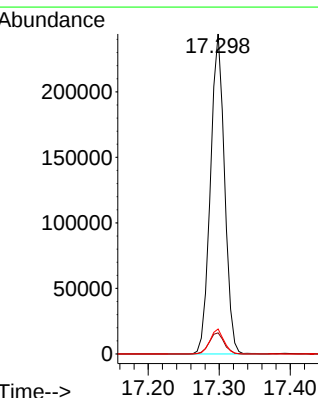
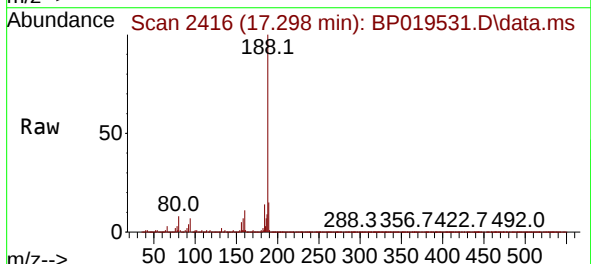
Tgt Ion:188 Resp: 335693

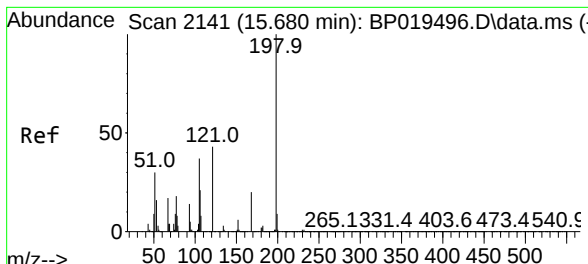
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.2

80 7.8 6.3 9.5





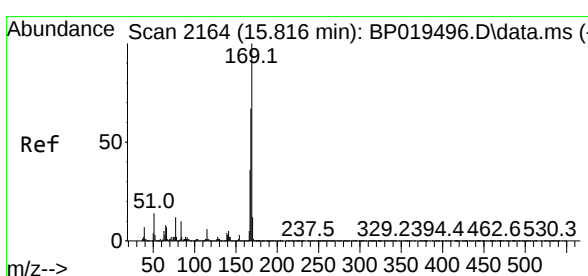
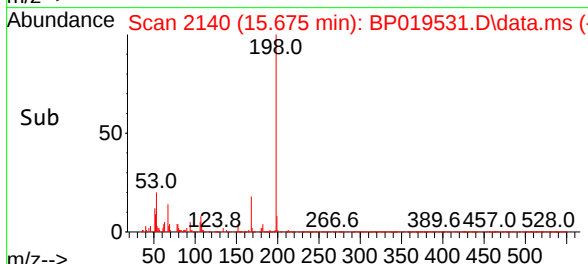
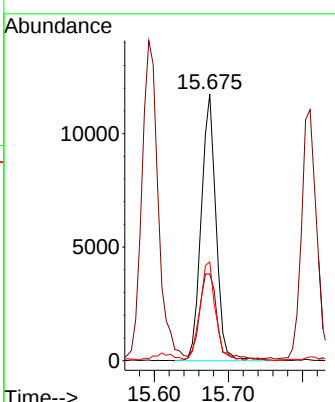
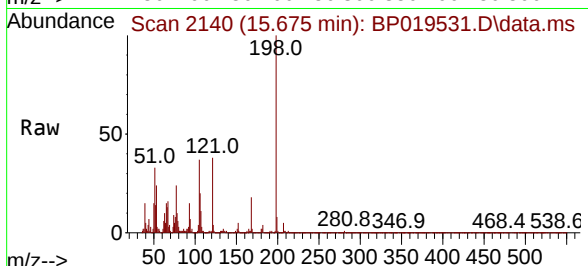
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.484 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2023

Tgt Ion:	198	Resp:	16240
Ion Ratio	Lower	Upper	
198	100		
51	32.5	21.2	61.2
105	37.0	19.1	59.1

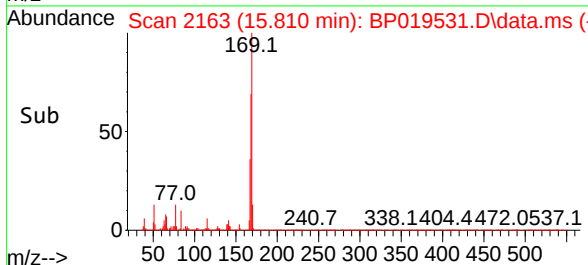
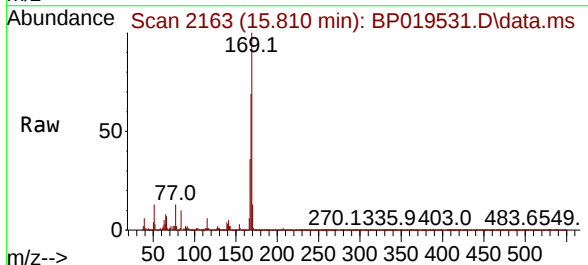
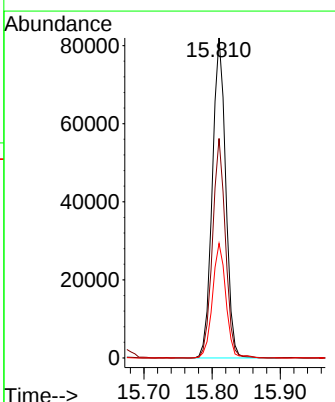
Manual Integrations
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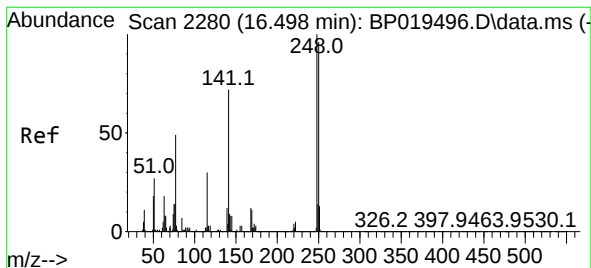
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#66
 n-Nitrosodiphenylamine
 Concen: 11.145 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

Tgt Ion:	169	Resp:	112048
Ion Ratio	Lower	Upper	
169	100		
168	68.6	53.4	80.2
167	35.8	28.9	43.3





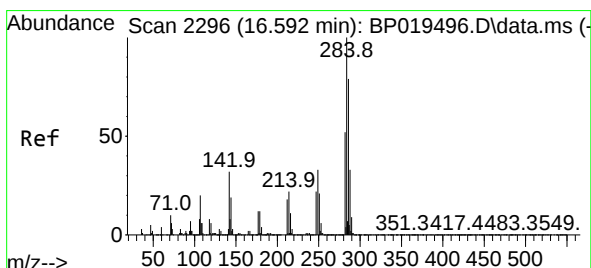
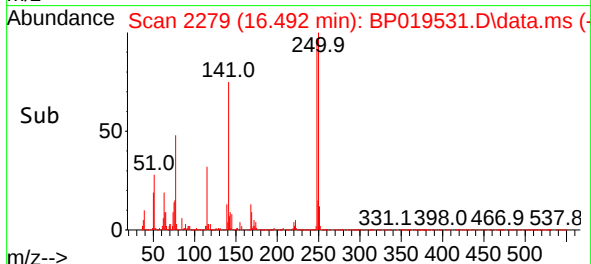
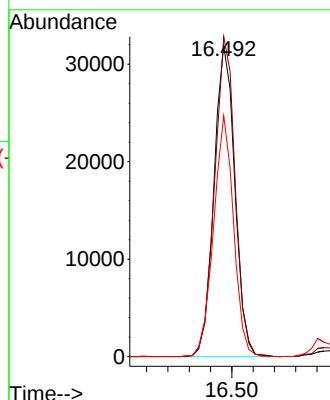
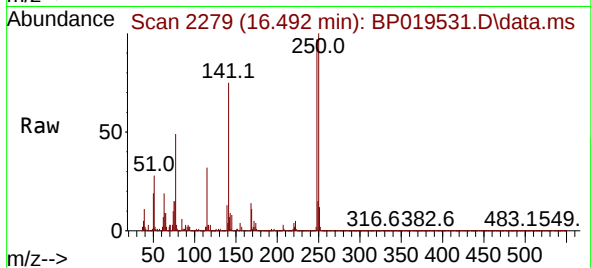
#67
4-Bromophenyl-phenylether
Concen: 10.323 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Tgt Ion:248 Resp: 43320
Ion Ratio Lower Upper
248 100
250 102.9 76.9 115.3
141 77.5 58.0 87.0

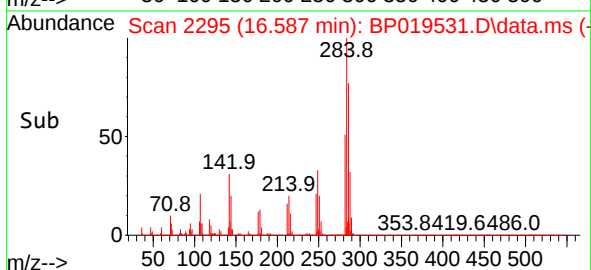
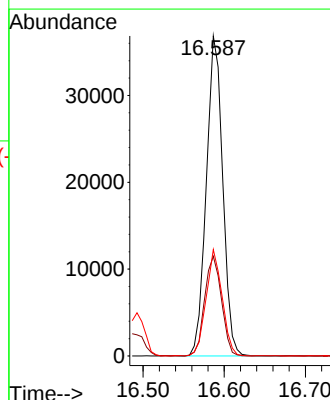
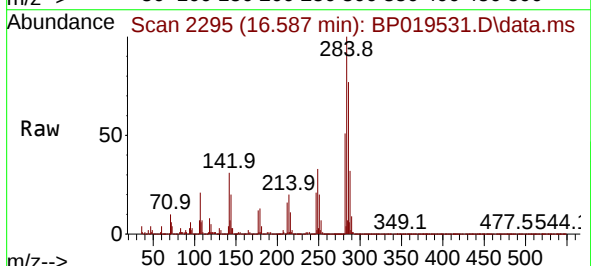
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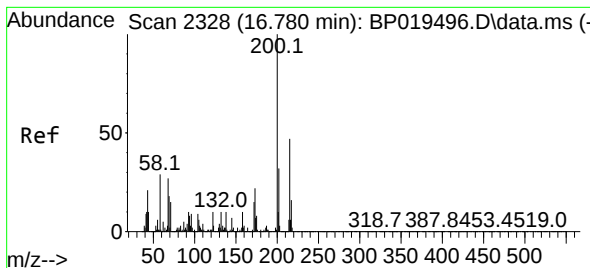
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#68
Hexachlorobenzene
Concen: 10.536 ng
RT: 16.587 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:284 Resp: 51634
Ion Ratio Lower Upper
284 100
142 31.2 25.4 38.2
249 35.8 26.5 39.7





#69

Atrazine

Concen: 11.485 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

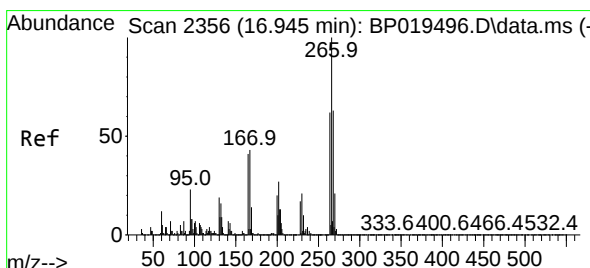
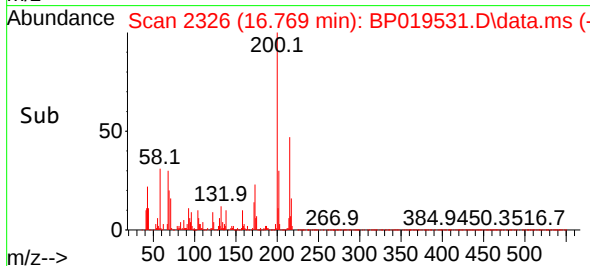
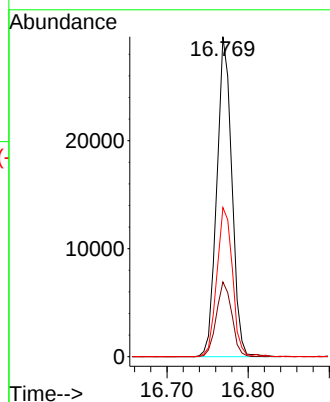
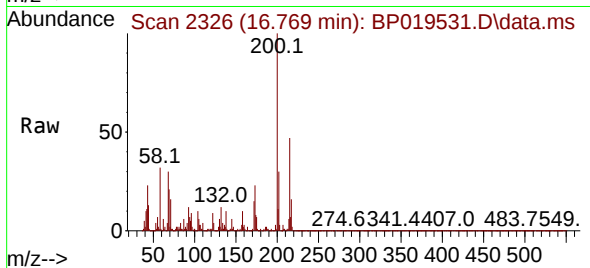
LOQ-SOIL-02-QT4-2023

Tgt Ion:200	Resp:	3831
Ion Ratio	Lower	Upper
200	100	
173	23.4	1.7 41.7
215	46.6	26.9 66.9

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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#70

Pentachlorophenol

Concen: 8.429 ng

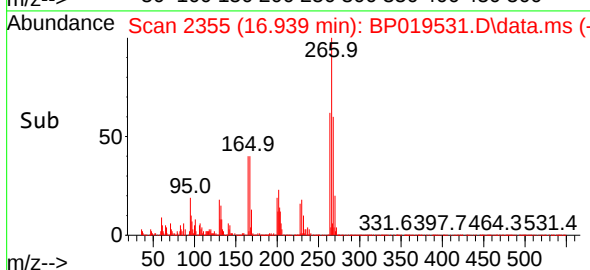
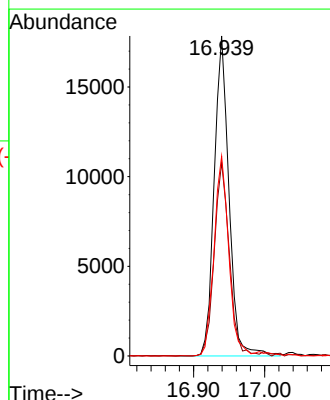
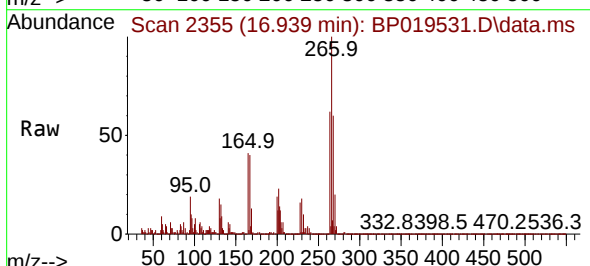
RT: 16.939 min Scan# 2355

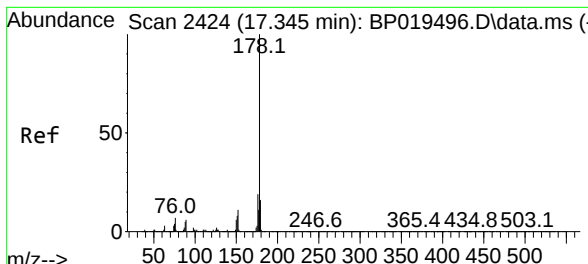
Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion:266	Resp:	25724
Ion Ratio	Lower	Upper
266	100	
268	60.4	50.3 75.5
264	62.4	49.7 74.5





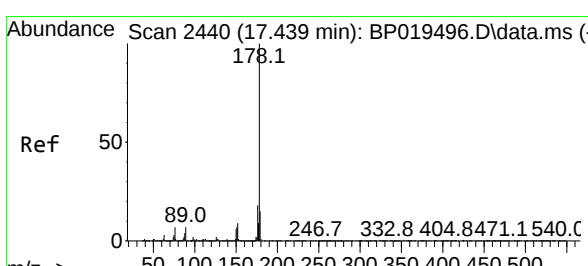
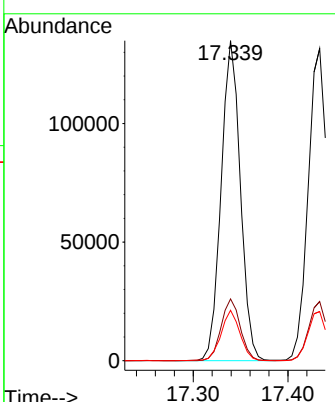
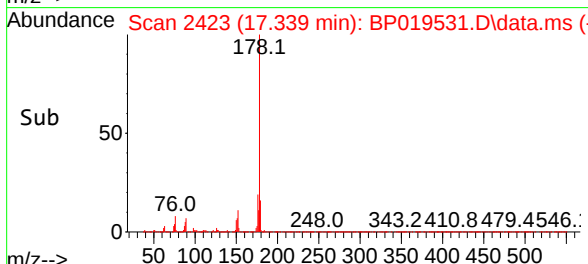
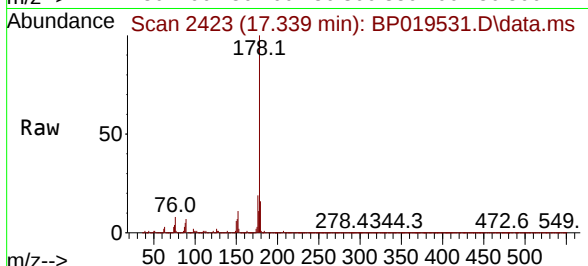
#71
 Phenanthrene
 Concen: 10.773 ng
 RT: 17.339 min Scan# 2423
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2023

Tgt Ion:	178	Resp:	190314
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.7	12.6	19.0

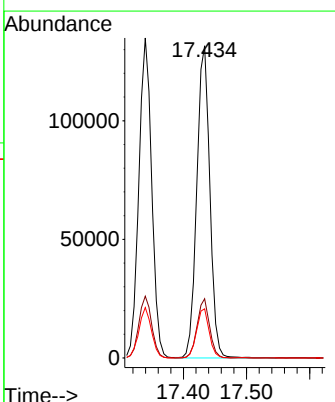
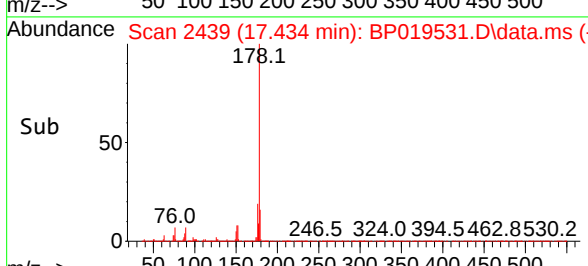
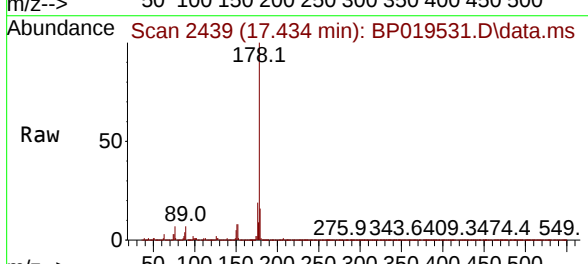
Manual Integrations
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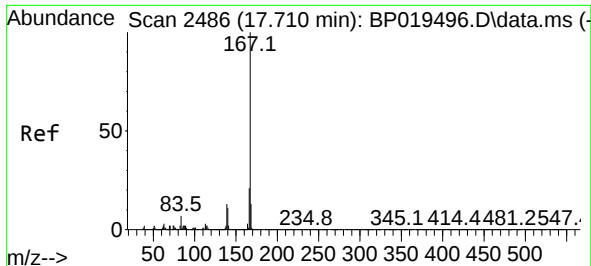
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#72
 Anthracene
 Concen: 10.702 ng
 RT: 17.434 min Scan# 2439
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

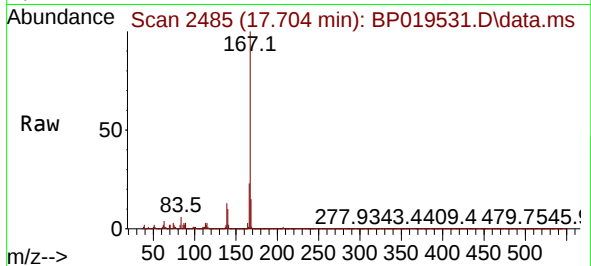
Tgt Ion:	178	Resp:	188606
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.7	22.1
179	15.7	12.2	18.2





#73
 Carbazole
 Concen: 9.731 ng
 RT: 17.704 min Scan# 2486
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

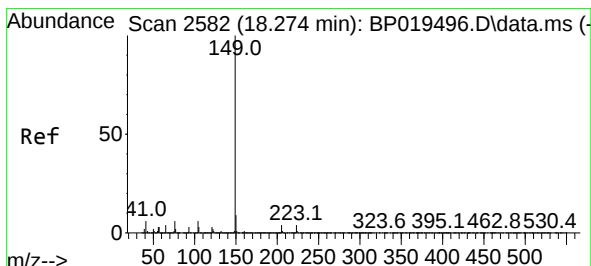
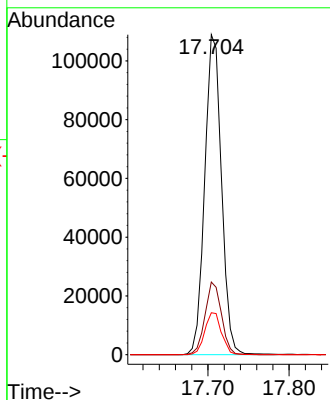
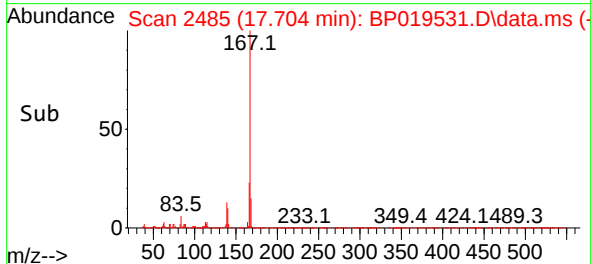
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2023



Tgt Ion:167 Resp: 155784
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.2 25.8
 139 13.1 10.6 15.8

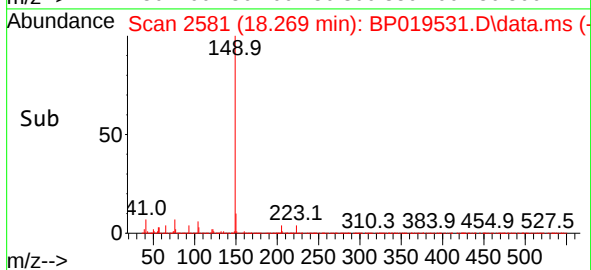
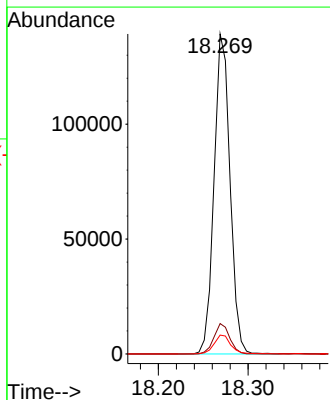
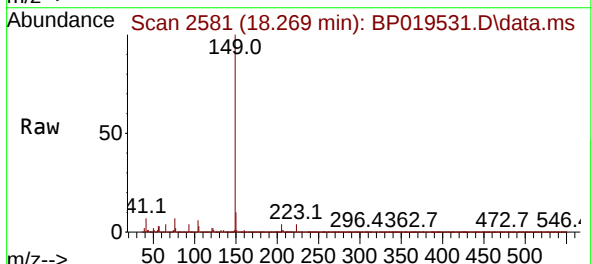
Manual Integrations
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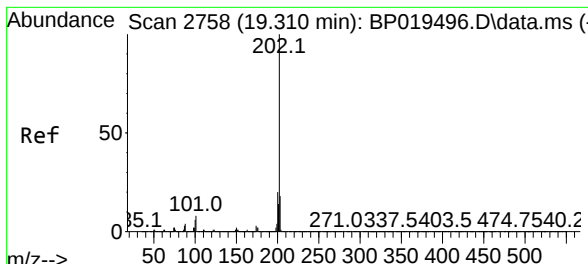
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#74
 Di-n-butylphthalate
 Concen: 8.875 ng
 RT: 18.269 min Scan# 2581
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

Tgt Ion:149 Resp: 171801
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.3 10.9
 104 5.9 4.8 7.2



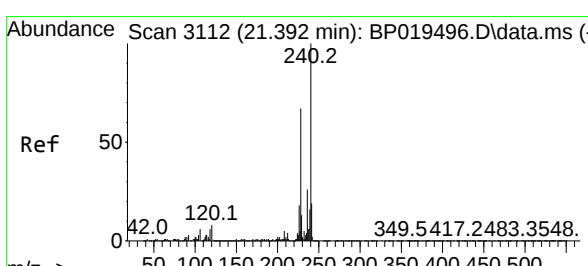
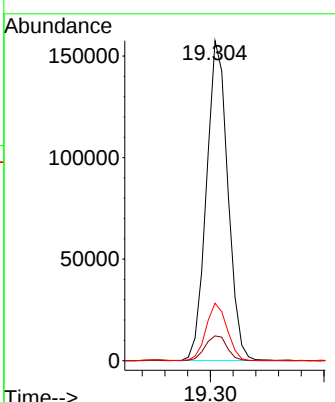
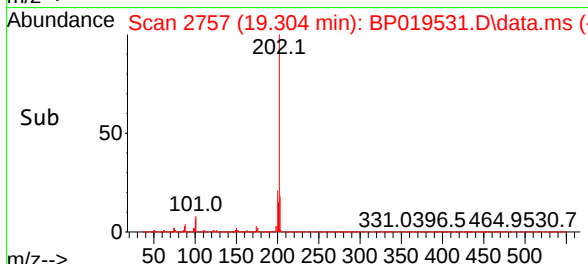
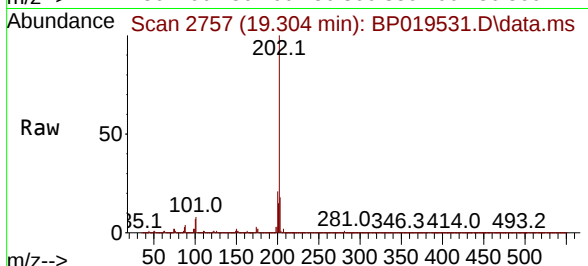


#75
 Fluoranthene
 Concen: 9.516 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2023

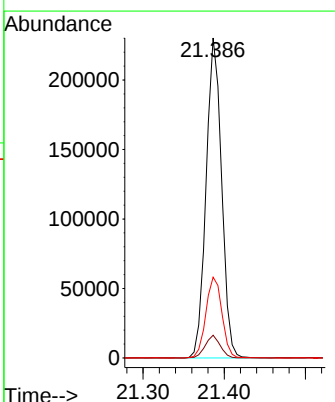
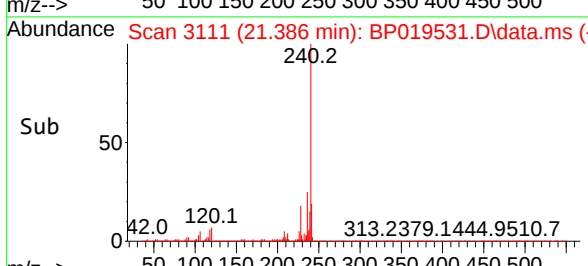
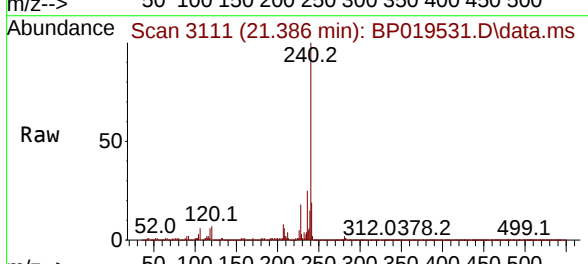
Tgt Ion:	202	Resp:	20536
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	27.7
203	17.9	0.0	37.5

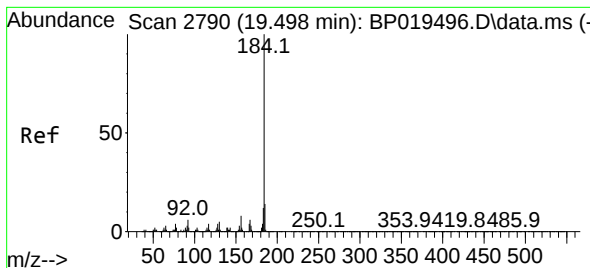
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

Tgt Ion:	240	Resp:	304415
Ion Ratio	Lower	Upper	
240	100		
120	7.1	6.1	9.1
236	25.2	20.7	31.1





#77

Benzidine

Concen: 16.797 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNP_P

ClientSampleId :

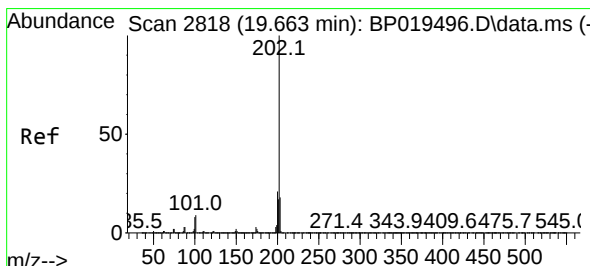
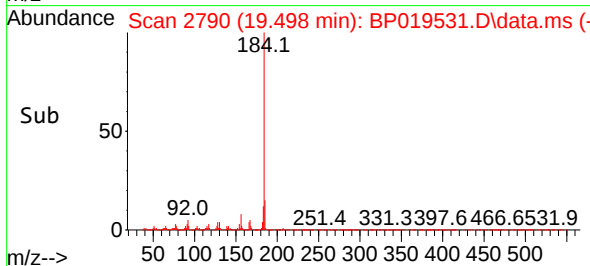
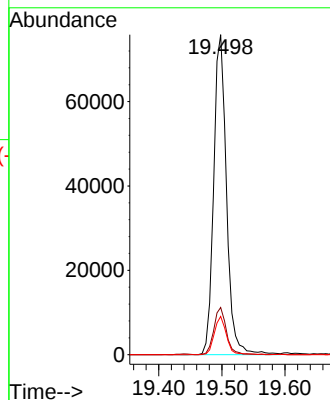
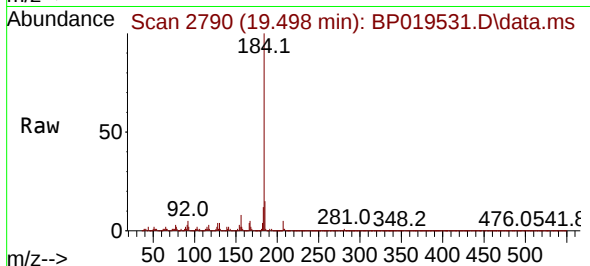
LOQ-SOIL-02-QT4-2023

Tgt Ion:	184	Resp:	10690
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.1	16.7
183	12.0	9.7	14.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#78

Pyrene

Concen: 9.933 ng

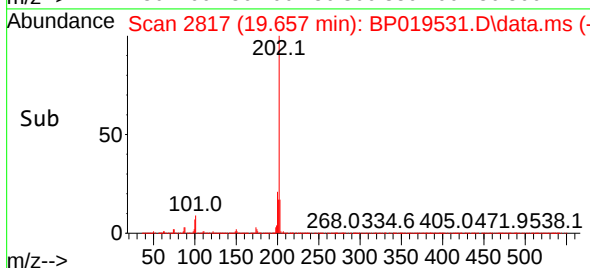
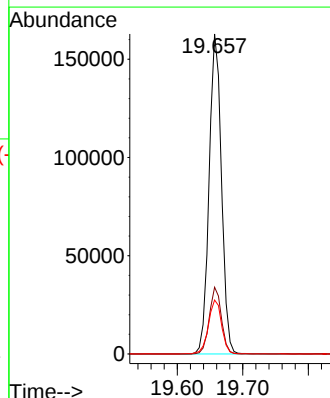
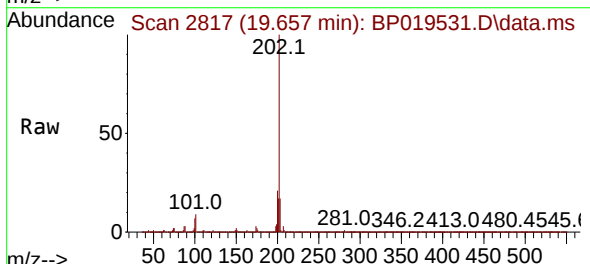
RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

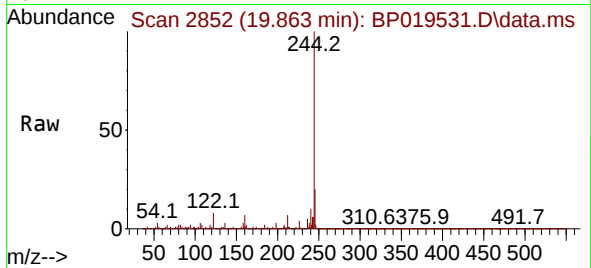
Tgt Ion:	202	Resp:	213414
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.9	25.3
203	16.9	14.2	21.2





#79
 Terphenyl-d14
 Concen: 80.435 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

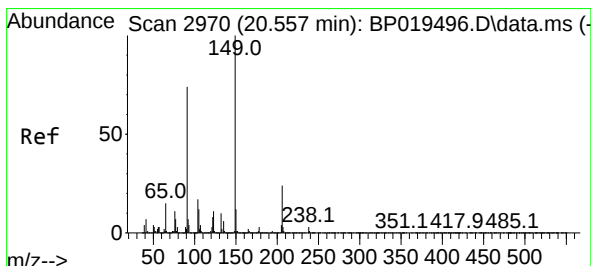
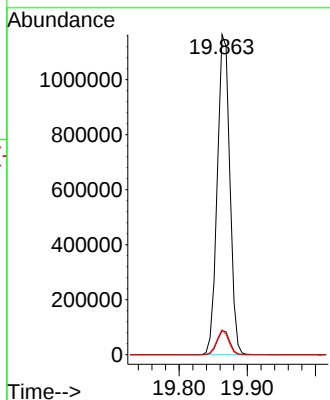
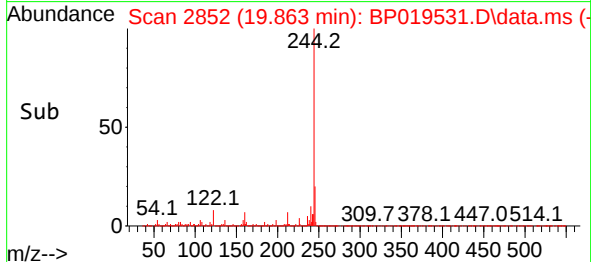
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023



Tgt Ion:244 Resp: 1488909
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 7.7 5.9 8.9

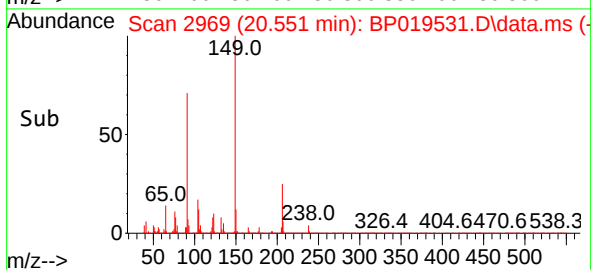
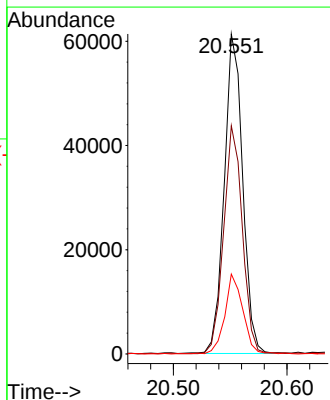
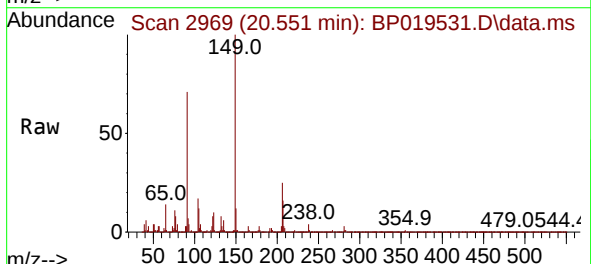
Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#80
 Butylbenzylphthalate
 Concen: 8.628 ng
 RT: 20.551 min Scan# 2969
 Delta R.T. -0.006 min
 Lab File: BP019531.D
 Acq: 02 Feb 2024 16:46

Tgt Ion:149 Resp: 69225
 Ion Ratio Lower Upper
 149 100
 91 71.3 59.4 89.0
 206 25.0 19.0 28.6





#81

Benzo(a)anthracene

Concen: 10.500 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

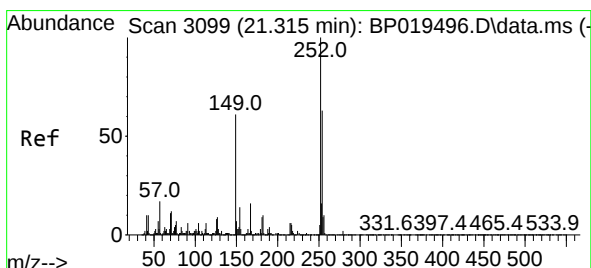
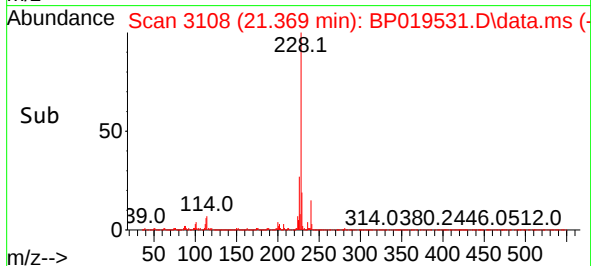
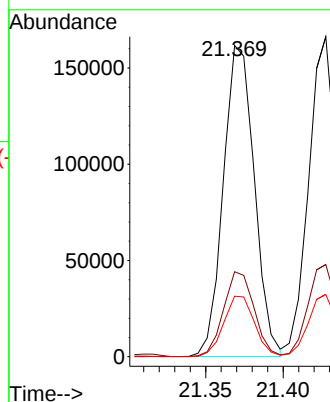
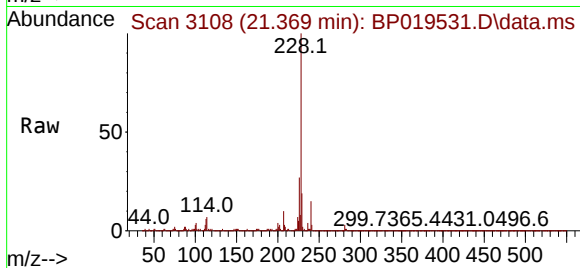
LOQ-SOIL-02-QT4-2023

Tgt Ion:	228	Resp:	224994
Ion Ratio	Lower	Upper	
228	100		
226	27.3	21.7	32.5
229	19.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#82

3,3'-Dichlorobenzidine

Concen: 11.231 ng

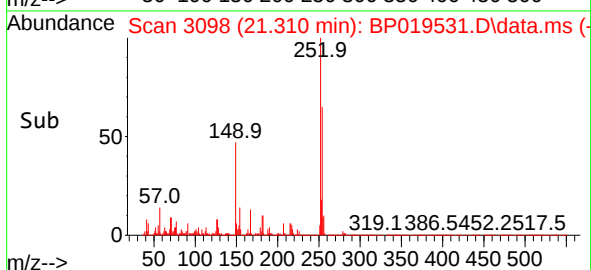
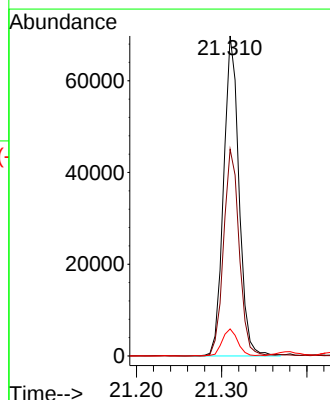
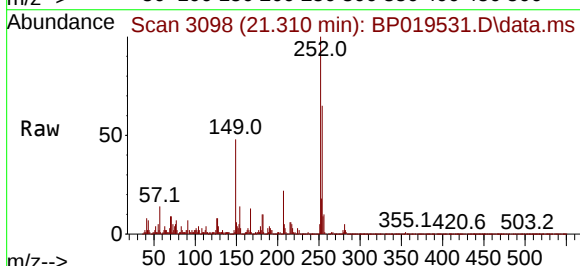
RT: 21.310 min Scan# 3098

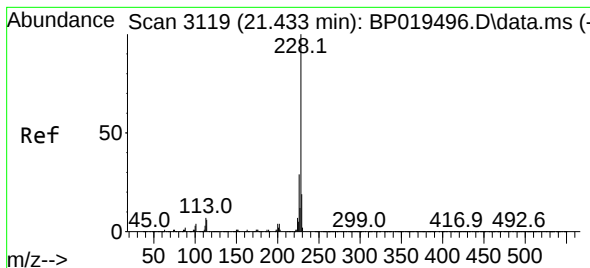
Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion:	252	Resp:	87700
Ion Ratio	Lower	Upper	
252	100		
254	64.6	50.7	76.1
126	8.4	6.4	9.6





#83

Chrysene

Concen: 10.481 ng

RT: 21.427 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

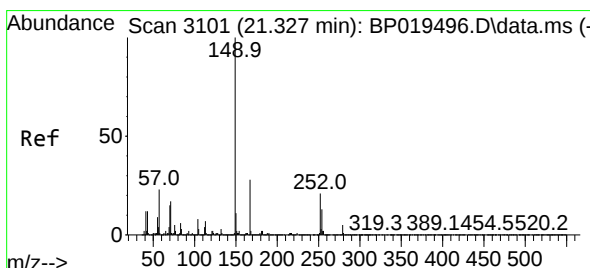
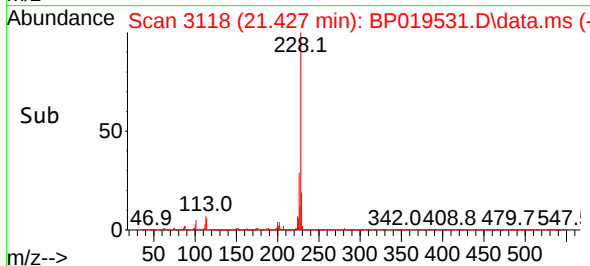
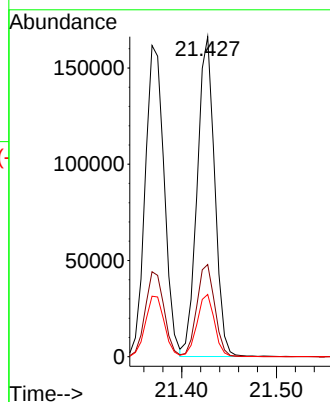
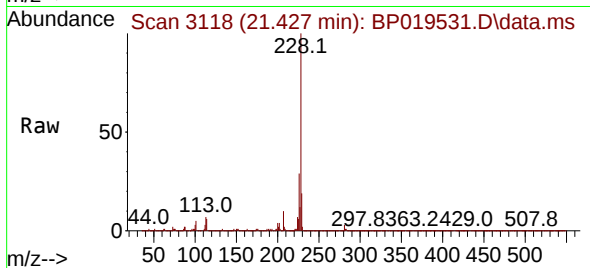
Tgt Ion:228 Resp: 213238

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.4	35.2
229	19.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.993 ng

RT: 21.322 min Scan# 3100

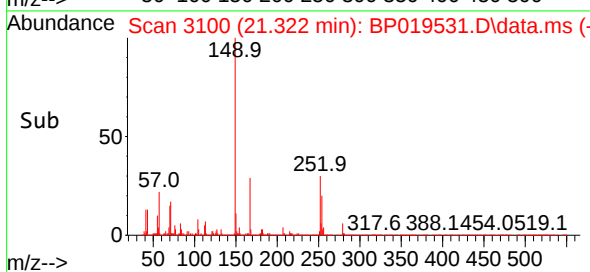
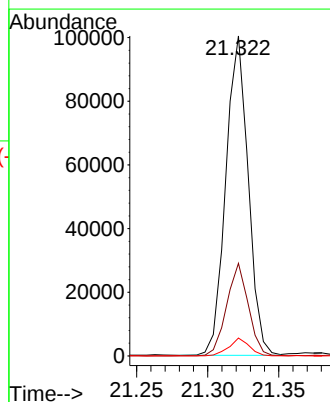
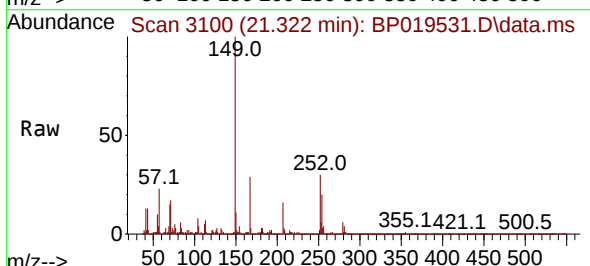
Delta R.T. -0.006 min

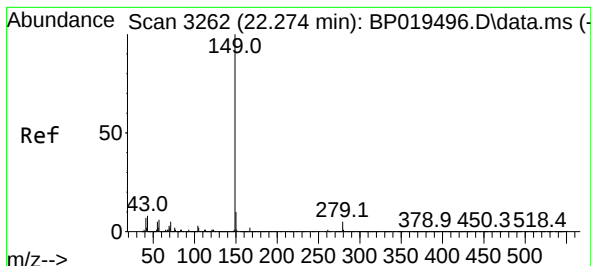
Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion:149 Resp: 109866

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.7	34.1
279	5.6	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 9.286 ng

RT: 22.269 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

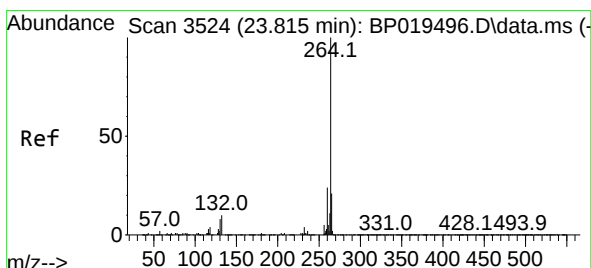
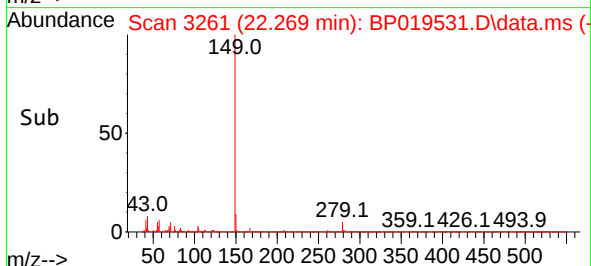
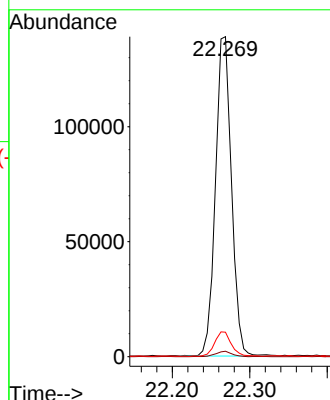
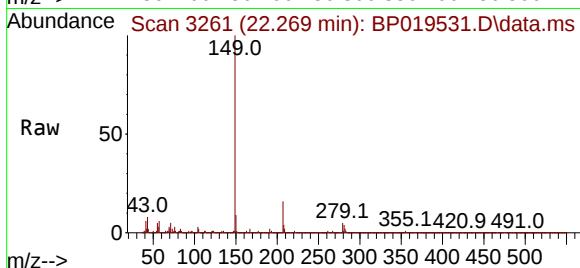
LOQ-SOIL-02-QT4-2023

Tgt Ion:	149	Resp:	19960
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	8.0	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#86

Perylene-d12

Concen: 20.000 ng

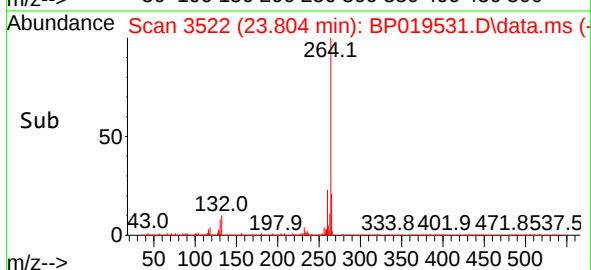
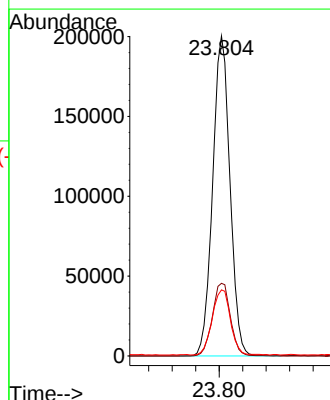
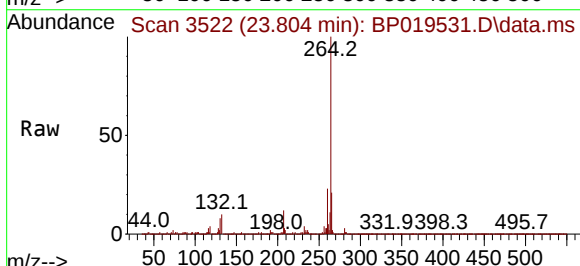
RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion:	264	Resp:	408979
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.2	28.8
265	20.7	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.723 ng

RT: 26.327 min Scan# 3397

Delta R.T. -0.017 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

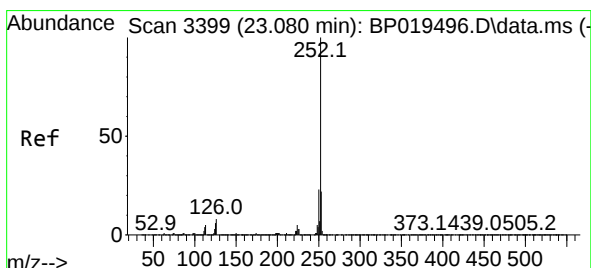
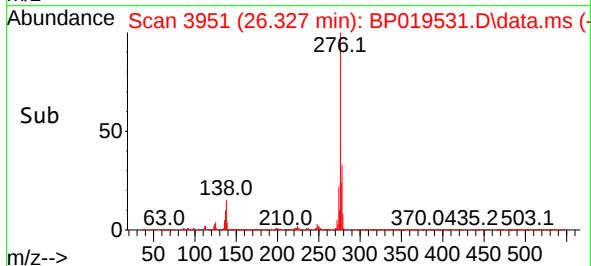
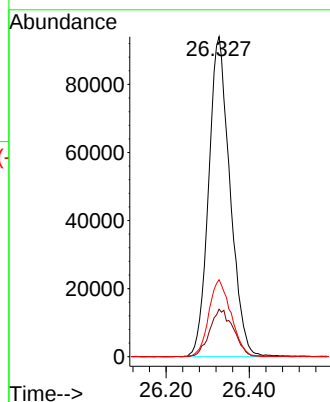
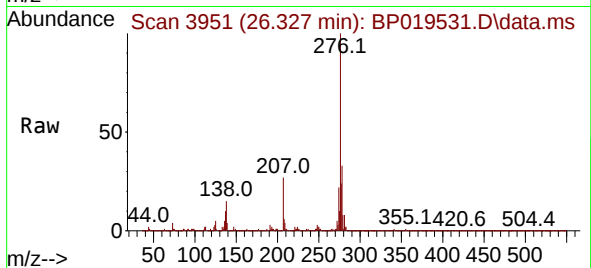
LOQ-SOIL-02-QT4-2023

Tgt Ion:	276	Resp:	33568
Ion Ratio	Lower	Upper	
276	100		
138	16.5	13.1	19.7
277	25.0	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#88

Benzo(b)fluoranthene

Concen: 10.159 ng

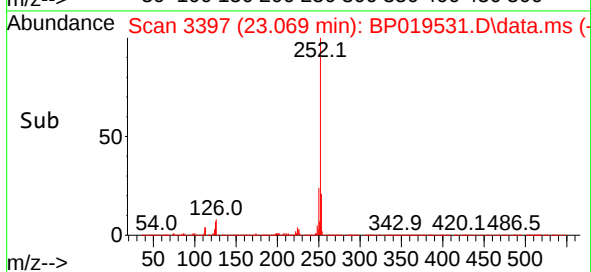
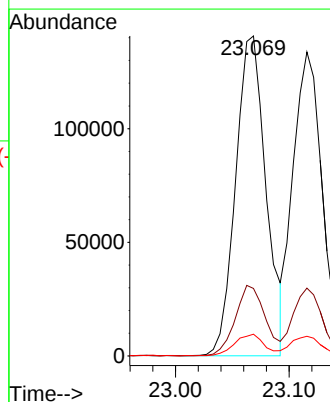
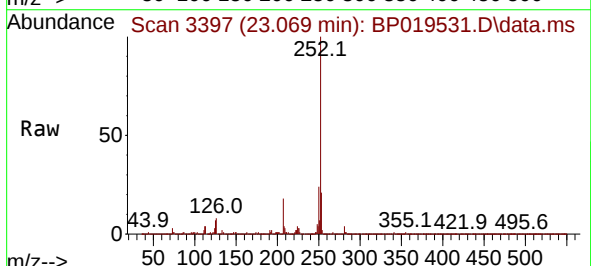
RT: 23.069 min Scan# 3397

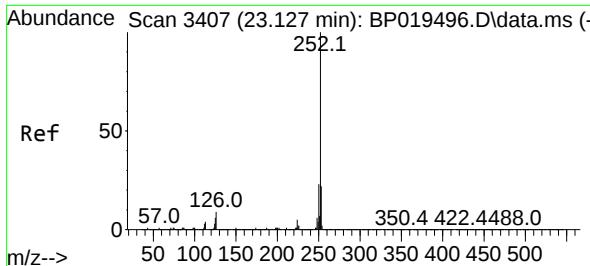
Delta R.T. -0.011 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

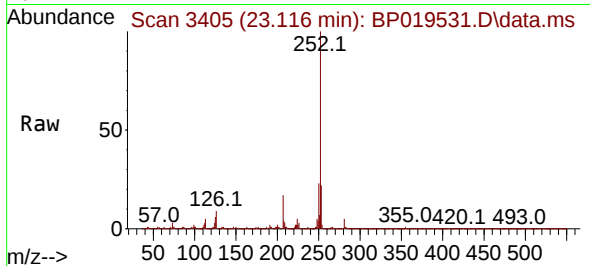
Tgt Ion:	252	Resp:	261860
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.3	25.9
125	6.8	4.9	7.3





#89
Benzo(k)fluoranthene
Concen: 9.665 ng
RT: 23.116 min Scan# 3407
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

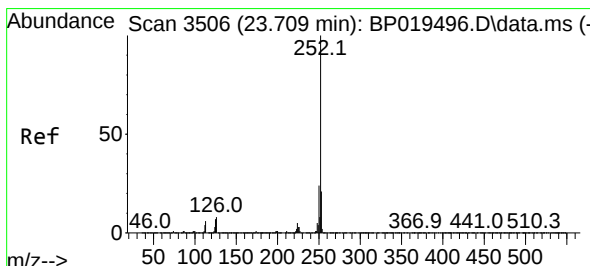
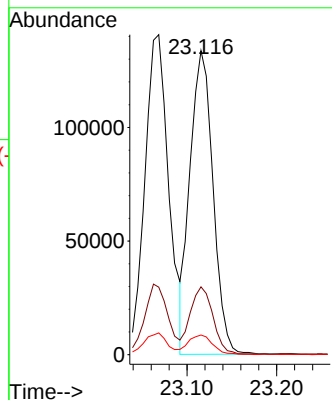
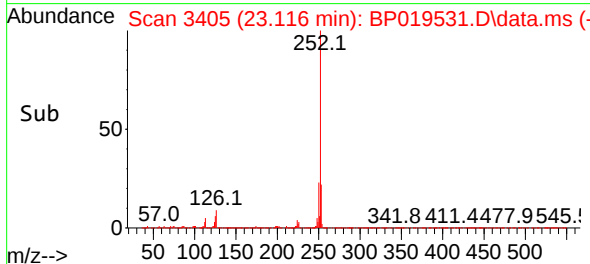
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2023



Tgt Ion:252 Resp: 237969
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 6.5 5.0 7.6

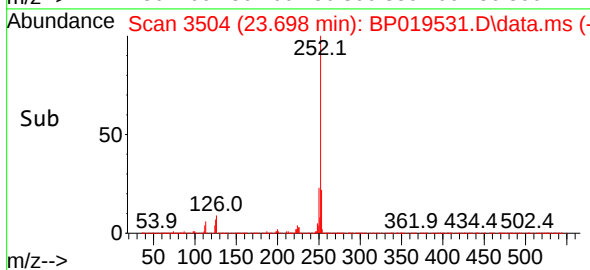
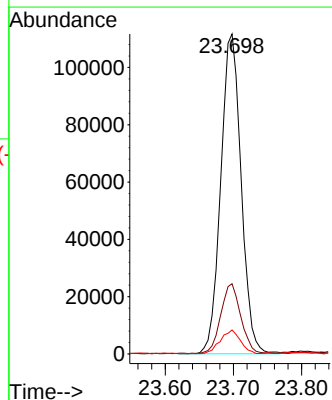
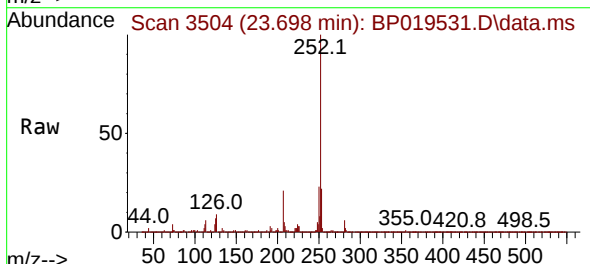
Manual Integrations
APPROVED

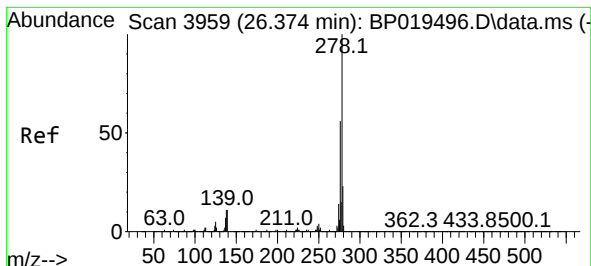
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#90
Benzo(a)pyrene
Concen: 10.124 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.011 min
Lab File: BP019531.D
Acq: 02 Feb 2024 16:46

Tgt Ion:252 Resp: 232184
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 7.5 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 10.751 ng

RT: 26.357 min Scan# 3956

Delta R.T. -0.017 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Instrument :

BNA_P

ClientSampleId :

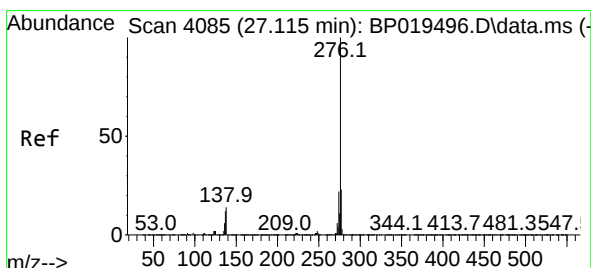
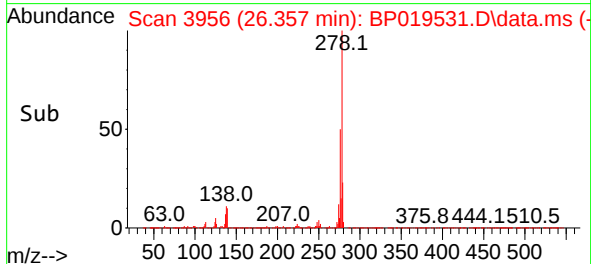
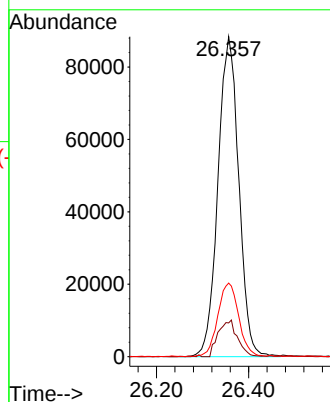
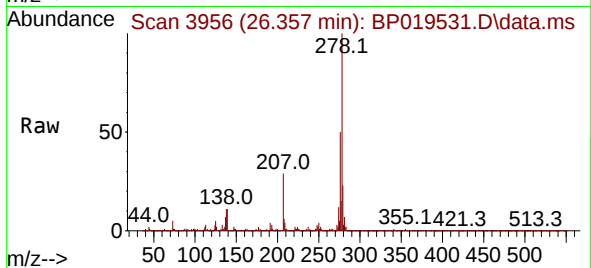
LOQ-SOIL-02-QT4-2023

Tgt Ion:	278	Resp:	276800
Ion Ratio	Lower	Upper	
278	100		
139	10.5	8.6	12.8
279	23.0	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#92

Benzo(g,h,i)perylene

Concen: 10.202 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.017 min

Lab File: BP019531.D

Acq: 02 Feb 2024 16:46

Tgt Ion:	276	Resp:	266488
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	12.6	10.9	16.3

