

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019521.D
 Acq On : 02 Feb 2024 10:56
 Operator : MA/JU
 Sample : 04699-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 02 11:25:44 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	7.910	152	96685	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	403076	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	299429	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	717979	20.000	ng	0.00
76) Chrysene-d12	21.392	240	666910	20.000	ng	0.00
86) Perylene-d12	23.810	264	590541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	612277	102.078	ng	0.00
7) Phenol-d6	7.081	99	844674	104.440	ng	0.00
23) Nitrobenzene-d5	9.081	82	803368	86.364	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	509779	116.604	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1941782	80.169	ng	0.00
79) Terphenyl-d14	19.869	244	3867661	95.373	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	11336	4.905	ng	98
3) Pyridine	3.793	79	27318	4.360	ng	98
4) n-Nitrosodimethylamine	3.711	42	12826	4.702	ng	# 97
6) Aniline	7.240	93	44049	5.605	ng	98
8) 2-Chlorophenol	7.475	128	27154	4.409	ng	98
9) Benzaldehyde	7.057	77	30765	5.426	ng	95
10) Phenol	7.104	94	38111	4.728	ng	94
11) bis(2-Chloroethyl)ether	7.346	93	29431	4.693	ng	95
12) 1,3-Dichlorobenzene	7.799	146	32690	4.338	ng	95
13) 1,4-Dichlorobenzene	7.946	146	33825	4.431	ng	99
14) 1,2-Dichlorobenzene	8.257	146	32157	4.354	ng	99
15) Benzyl Alcohol	8.157	79	32391	5.012	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.440	45	30151	4.808	ng	100
17) 2-Methylphenol	8.357	107	24697	4.551	ng	98
18) Hexachloroethane	8.981	117	12503	4.225	ng	92
19) n-Nitroso-di-n-propyla...	8.728	70	27363	4.953	ng	# 97
20) 3+4-Methylphenols	8.687	107	34235	4.622	ng	92
22) Acetophenone	8.740	105	53088	4.623	ng	# 96
24) Nitrobenzene	9.122	77	42541	4.542	ng	99
25) Isophorone	9.646	82	77679	4.795	ng	99
26) 2-Nitrophenol	9.828	139	14723	4.123	ng	93
27) 2,4-Dimethylphenol	9.887	122	24653	5.399	ng	96
28) bis(2-Chloroethoxy)met...	10.140	93	42824	4.672	ng	97
29) 2,4-Dichlorophenol	10.357	162	29847	4.324	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	36360	4.296	ng	99
31) Naphthalene	10.763	128	96021	4.343	ng	98
32) Benzoic acid	9.957	122	16459m	3.699	ng	
33) 4-Chloroaniline	10.881	127	40963	5.010	ng	98
34) Hexachlorobutadiene	11.040	225	25605	4.082	ng	97
35) Caprolactam	11.651	113	10940	5.598	ng	97
36) 4-Chloro-3-methylphenol	11.992	107	35966	4.778	ng	94
37) 2-Methylnaphthalene	12.369	142	70682	4.620	ng	98
38) 1-Methylnaphthalene	12.587	142	69563	4.627	ng	95
40) 1,2,4,5-Tetrachloroben...	12.734	216	46885	4.060	ng	99
41) Hexachlorocyclopentadiene	12.704	237	22453	4.304	ng	99
43) 2,4,6-Trichlorophenol	12.981	196	27514	3.935	ng	97

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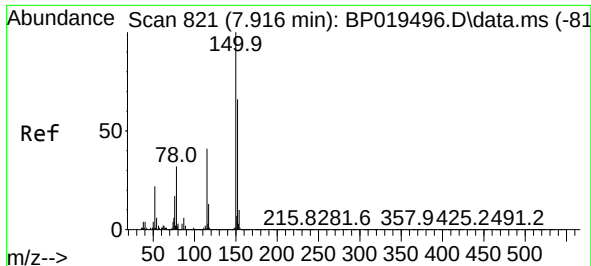
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	30818	4.014	ng	97
46) 1,1'-Biphenyl	13.387	154	101929	4.265	ng	99
47) 2-Chloronaphthalene	13.422	162	80056	4.081	ng	99
48) 2-Nitroaniline	13.634	65	22320	4.069	ng	97
49) Acenaphthylene	14.269	152	128388	4.665	ng	98
50) Dimethylphthalate	14.010	163	107153	4.675	ng	98
51) 2,6-Dinitrotoluene	14.134	165	21084	4.187	ng	97
52) Acenaphthene	14.610	154	74117	4.339	ng	98
53) 3-Nitroaniline	14.457	138	21592	4.665	ng	98
54) 2,4-Dinitrophenol	14.669	184	9204	3.520	ng	91
55) Dibenzofuran	14.945	168	128963	4.635	ng	99
56) 4-Nitrophenol	14.757	139	15951	4.205	ng	95
57) 2,4-Dinitrotoluene	14.916	165	27870	4.223	ng	97
58) Fluorene	15.592	166	104209	4.703	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.169	232	28683	4.441	ng	98
60) Diethylphthalate	15.381	149	107637	4.721	ng	99
61) 4-Chlorophenyl-phenyle...	15.592	204	56578	4.543	ng	94
62) 4-Nitroaniline	15.616	138	22667	4.672	ng	97
63) Azobenzene	15.886	77	101645	4.610	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	13456	3.287	ng	93
66) n-Nitrosodiphenylamine	15.810	169	90226	4.196	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	36238	4.037	ng	98
68) Hexachlorobenzene	16.592	284	43360	4.137	ng	94
69) Atrazine	16.769	200	38865	5.447	ng	93
70) Pentachlorophenol	16.939	266	22068	3.381	ng	94
71) Phenanthrene	17.339	178	173236	4.585	ng	99
72) Anthracene	17.433	178	172794	4.584	ng	99
73) Carbazole	17.710	167	153010	4.469	ng	100
74) Di-n-butylphthalate	18.275	149	181712	4.389	ng	100
75) Fluoranthene	19.310	202	210330	4.557	ng	99
77) Benzidine	19.498	184	82061	5.886	ng	98
78) Pyrene	19.657	202	217323	4.617	ng	100
80) Butylbenzylphthalate	20.551	149	73050	4.156	ng	99
81) Benzo(a)anthracene	21.374	228	208569	4.443	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	70930	4.146	ng	99
83) Chrysene	21.427	228	188666	4.233	ng	99
84) Bis(2-ethylhexyl)phtha...	21.321	149	108795	4.065	ng	99
85) Di-n-octyl phthalate	22.268	149	157744	3.350	ng	100
87) Indeno(1,2,3-cd)pyrene	26.327	276	161715	3.577	ng	98
88) Benzo(b)fluoranthene	23.068	252	164044	4.408	ng	100
89) Benzo(k)fluoranthene	23.115	252	157426m	4.428	ng	
90) Benzo(a)pyrene	23.698	252	134983	4.076	ng	98
91) Dibenzo(a,h)anthracene	26.356	278	136812	3.680	ng	99
92) Benzo(g,h,i)perylene	27.103	276	130017	3.447	ng	100

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



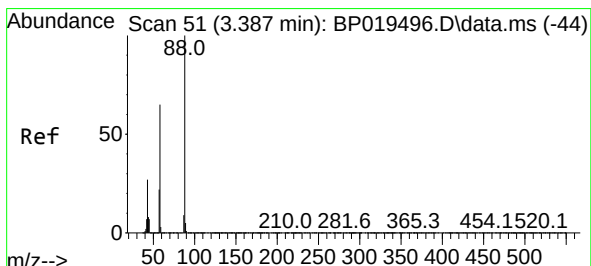
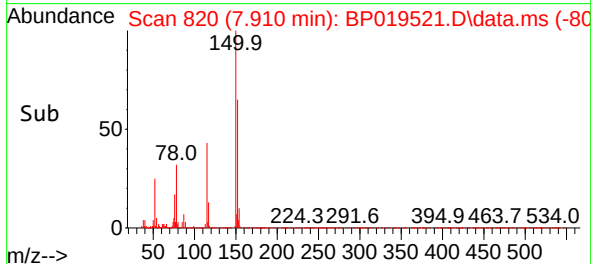
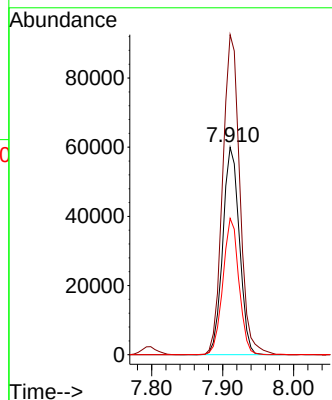
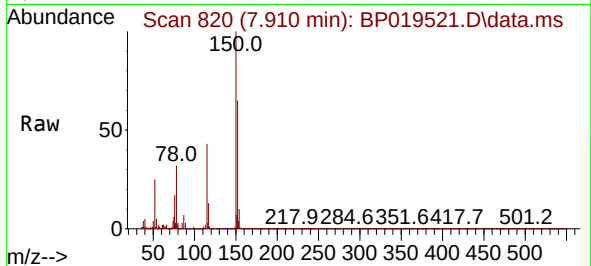
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:152 Resp: 9668
Ion Ratio Lower Upper
152 100
150 154.3 121.8 182.8
115 65.7 49.9 74.9

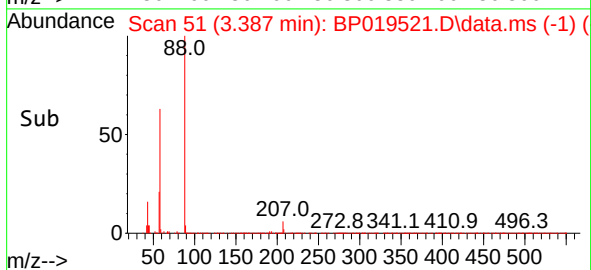
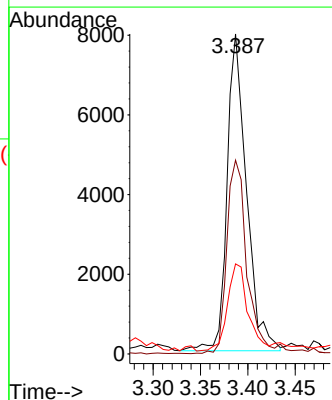
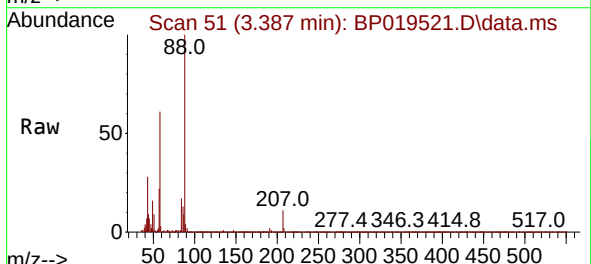
Manual Integrations
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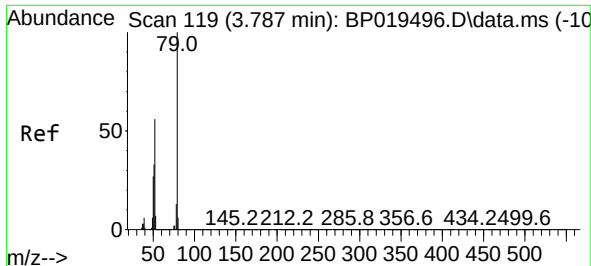
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#2
1,4-Dioxane
Concen: 4.905 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 88 Resp: 11336
Ion Ratio Lower Upper
88 100
58 63.9 52.6 78.8
43 28.5 21.9 32.9





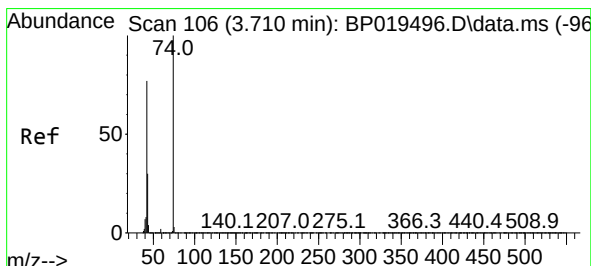
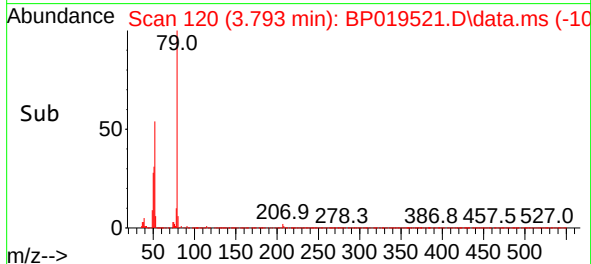
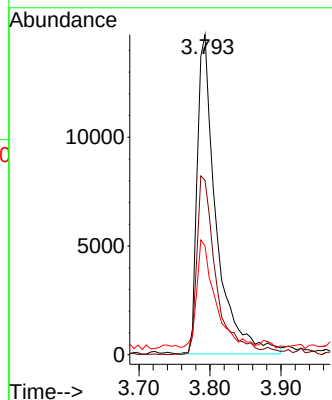
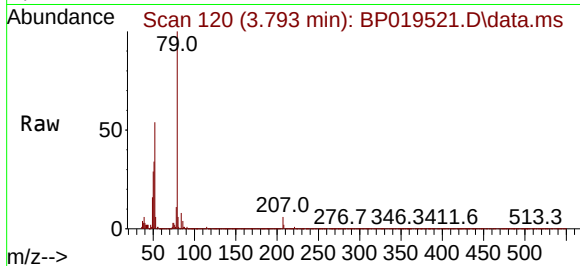
#3
Pyridine
Concen: 4.360 ng
RT: 3.793 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion: 79 Resp: 27318
Ion Ratio Lower Upper
79 100
52 54.5 45.0 67.6
51 34.0 26.8 40.2

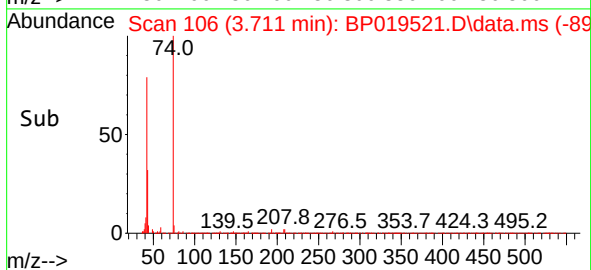
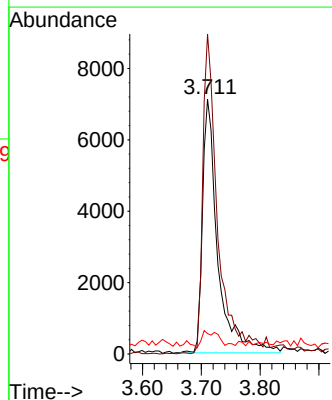
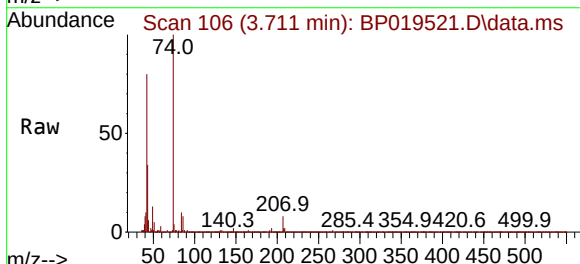
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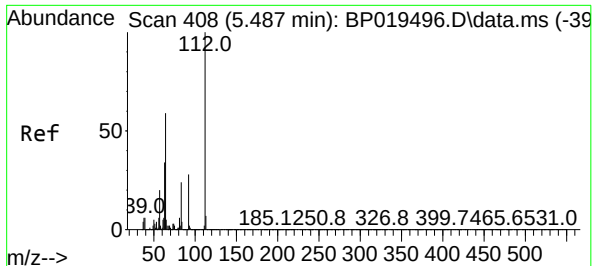
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#4
n-Nitrosodimethylamine
Concen: 4.702 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 42 Resp: 12826
Ion Ratio Lower Upper
42 100
74 125.6 103.4 155.2
44 8.0 4.8 7.2#





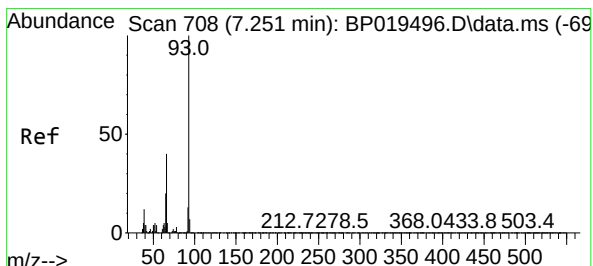
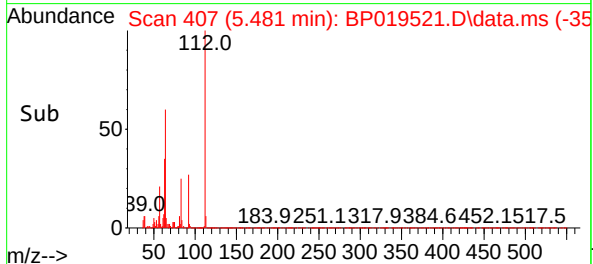
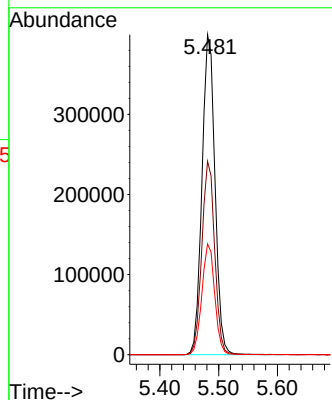
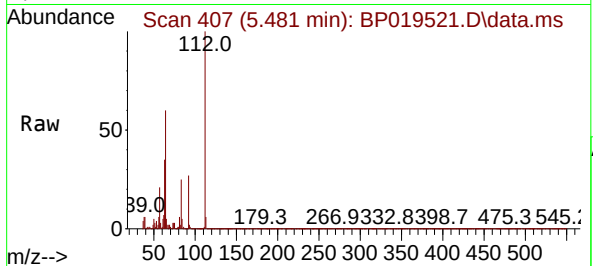
#5
2-Fluorophenol
Concen: 102.078 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:112 Resp: 61227
Ion Ratio Lower Upper
112 100
64 60.4 47.4 71.0
63 34.6 27.0 40.6

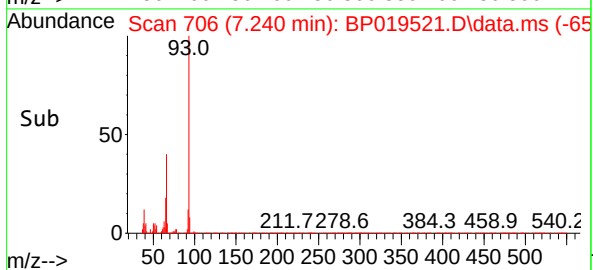
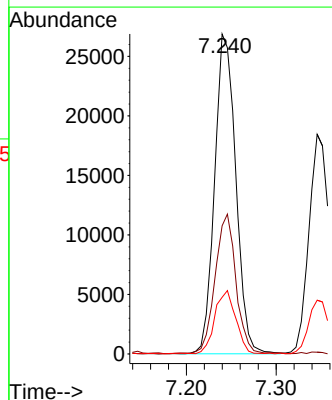
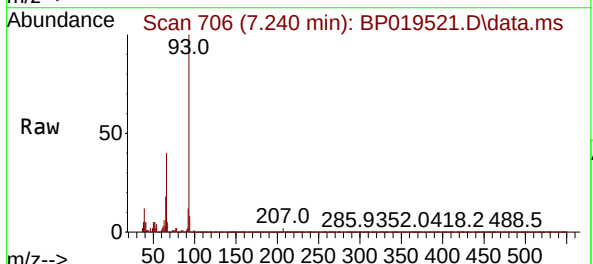
Manual Integrations
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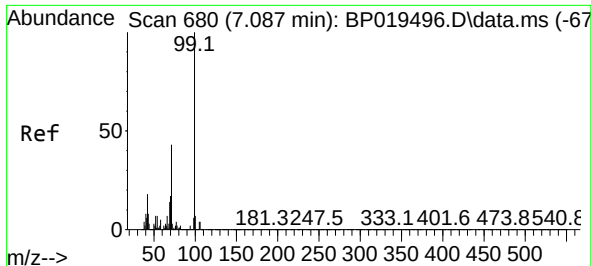
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#6
Aniline
Concen: 5.605 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 93 Resp: 44049
Ion Ratio Lower Upper
93 100
66 40.1 32.3 48.5
65 17.7 16.4 24.6





#7

Phenol-d6

Concen: 104.440 ng

RT: 7.081 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

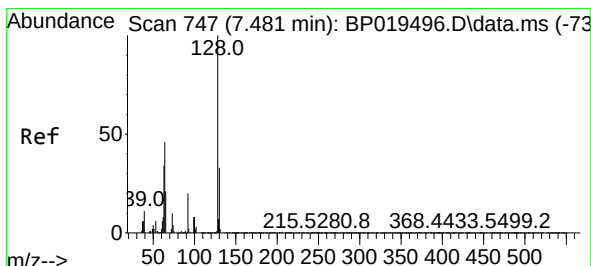
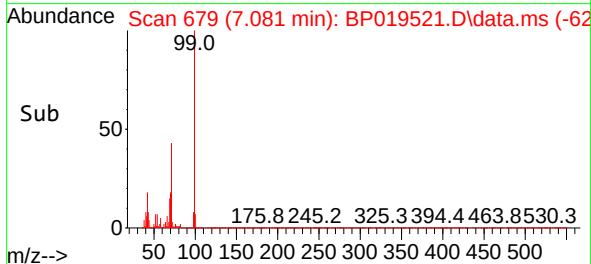
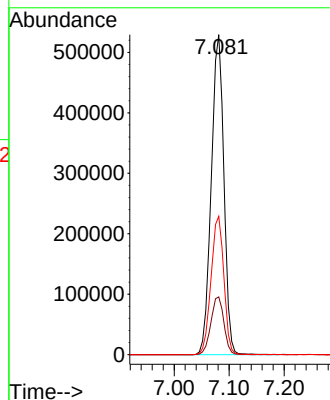
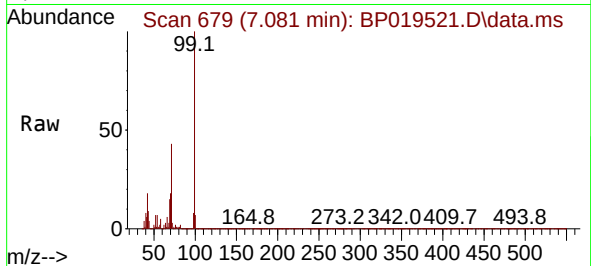
LOQ-SOIL-02-QT4-2023

Tgt Ion: 99	Resp: 844674
Ion Ratio	Lower Upper
99 100	
42 18.1	14.7 22.1
71 43.3	34.8 52.2

Manual Integrations

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#8

2-Chlorophenol

Concen: 4.409 ng

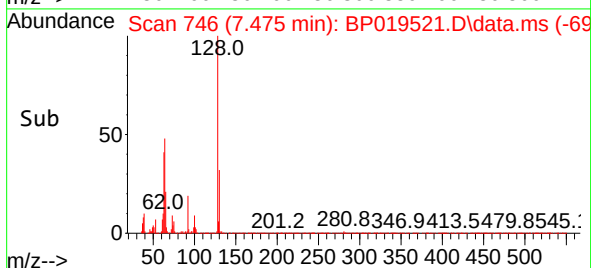
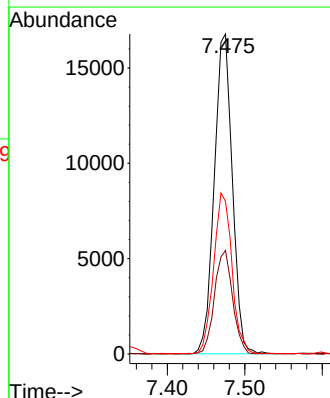
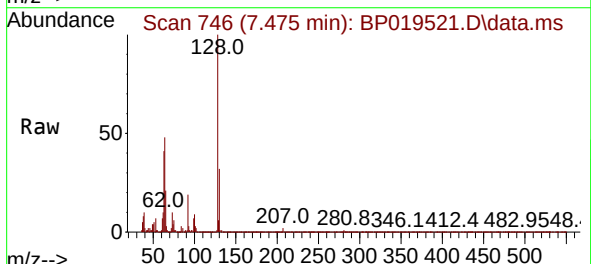
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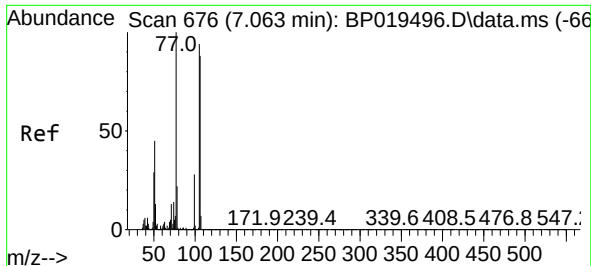
Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:128	Resp: 27154
Ion Ratio	Lower Upper
128 100	
130 32.4	13.3 53.3
64 47.7	29.7 69.7





#9

Benzaldehyde

Concen: 5.426 ng

RT: 7.057 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

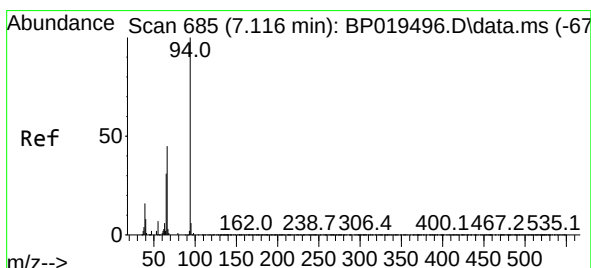
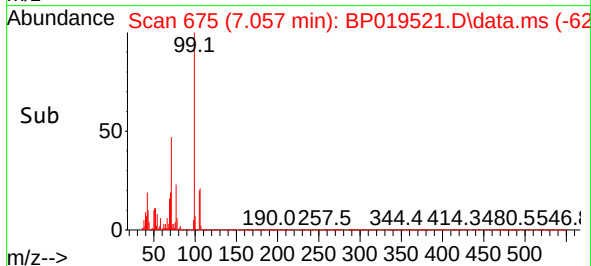
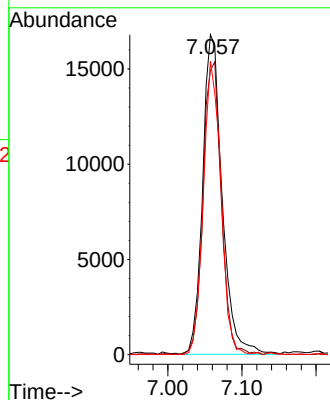
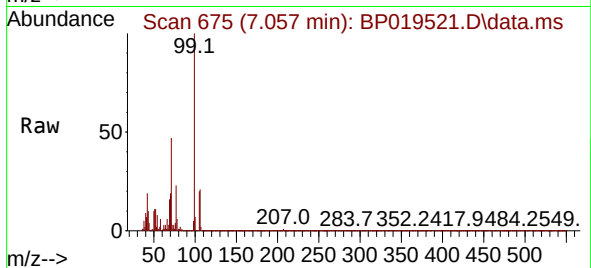
LOQ-SOIL-02-QT4-2023

Tgt Ion: 77	Resp: 3076
Ion Ratio	Lower Upper
77 100	
105 88.9	74.0 114.0
106 91.7	67.8 107.8

Manual Integrations

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#10

Phenol

Concen: 4.728 ng

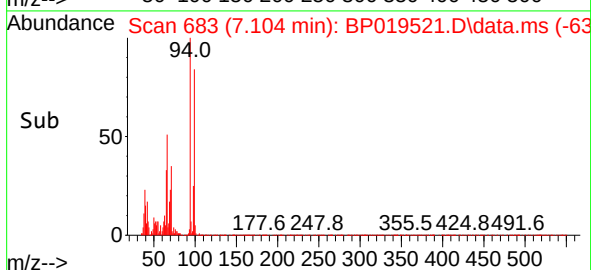
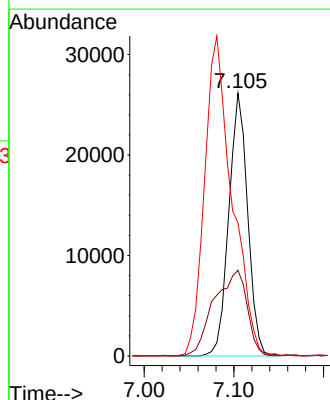
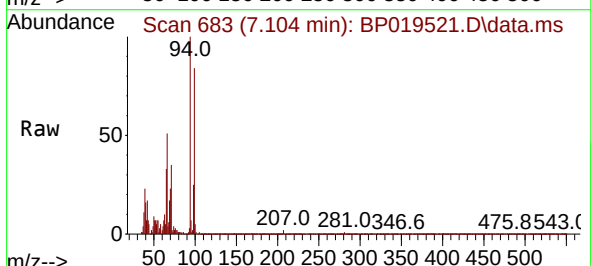
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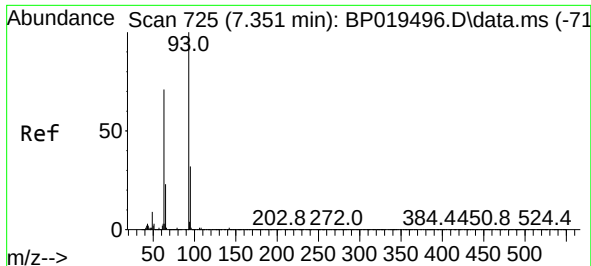
Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

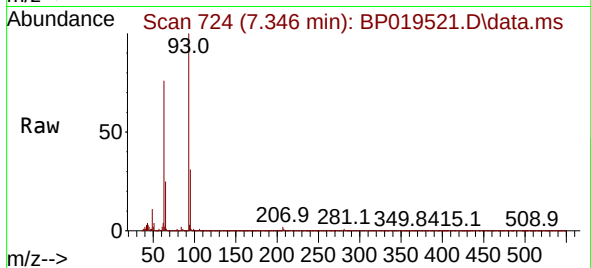
Tgt Ion: 94	Resp: 3811
Ion Ratio	Lower Upper
94 100	
65 32.6	11.3 51.3
66 50.7	25.1 65.1





#11
bis(2-Chloroethyl)ether
Concen: 4.693 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

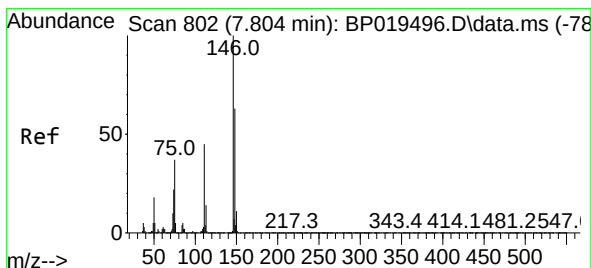
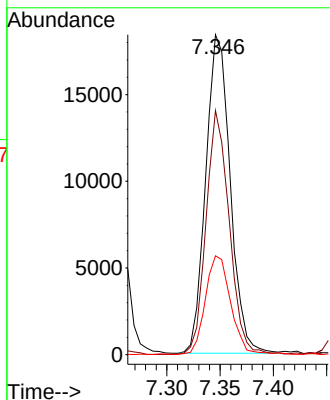
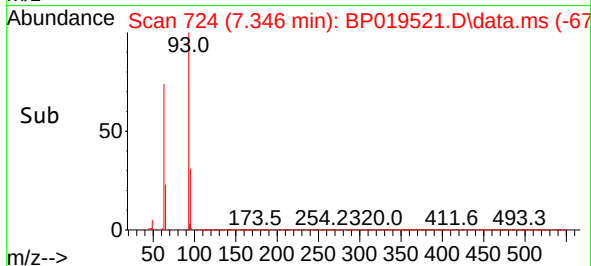
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



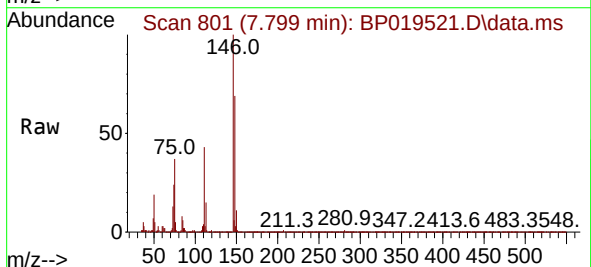
Tgt Ion: 93 Resp: 2943
Ion Ratio Lower Upper
93 100
63 76.3 51.2 91.2
95 30.9 11.8 51.8

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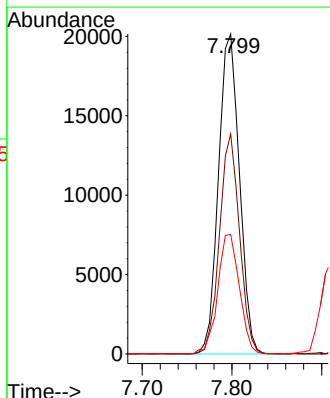
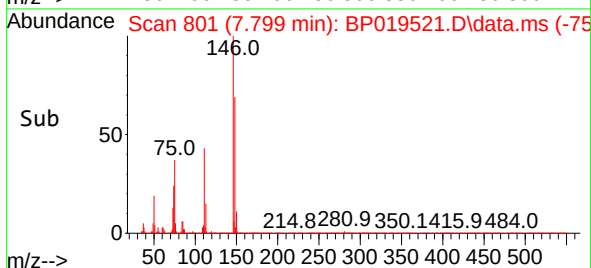
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

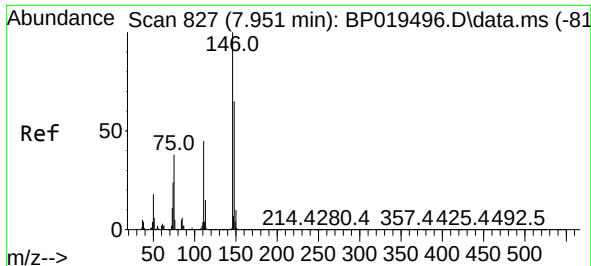


#12
1,3-Dichlorobenzene
Concen: 4.338 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56



Tgt Ion:146 Resp: 32690
Ion Ratio Lower Upper
146 100
148 68.7 50.4 75.6
75 37.3 29.9 44.9





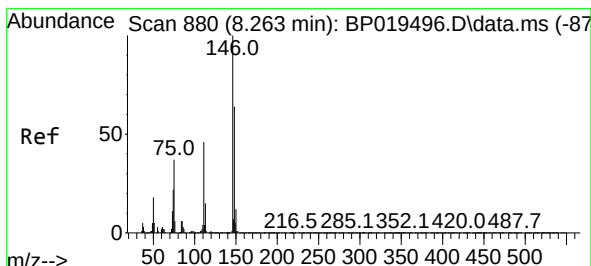
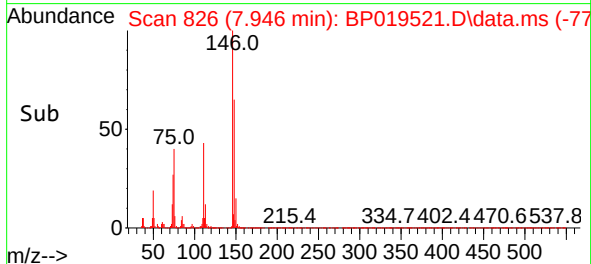
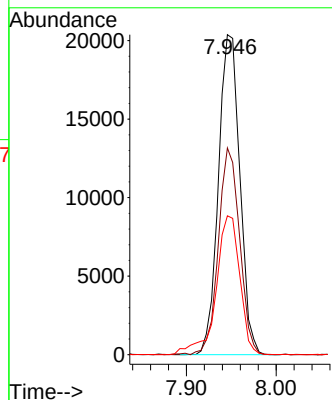
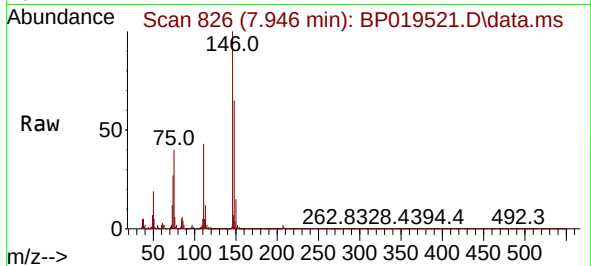
#13
1,4-Dichlorobenzene
Concen: 4.431 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:146 Resp: 3382
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
111 43.4 35.8 53.6

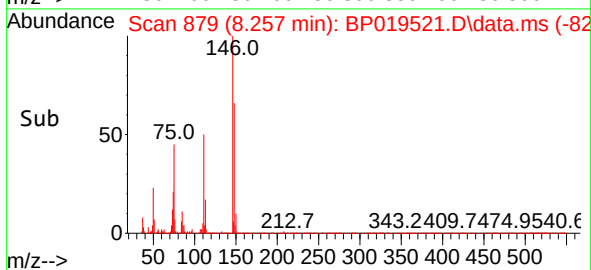
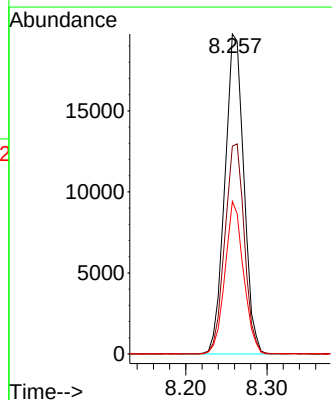
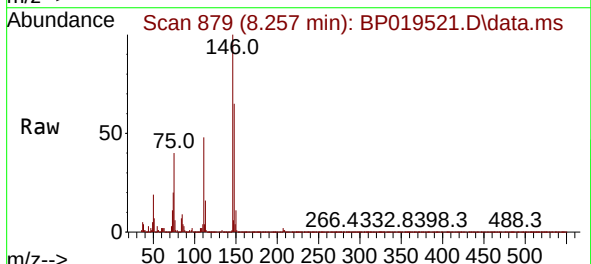
Manual Integrations
APPROVED

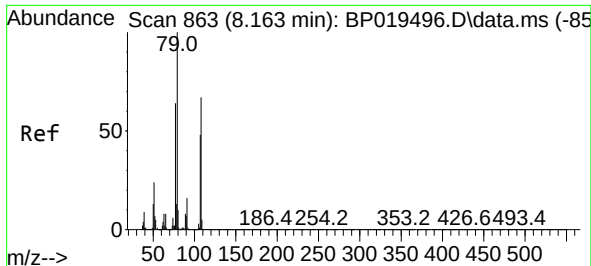
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#14
1,2-Dichlorobenzene
Concen: 4.354 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:146 Resp: 32157
Ion Ratio Lower Upper
146 100
148 65.0 51.4 77.0
111 47.7 37.0 55.6





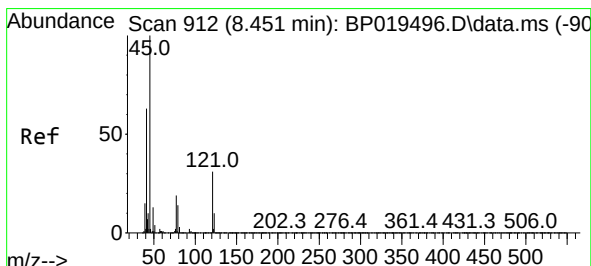
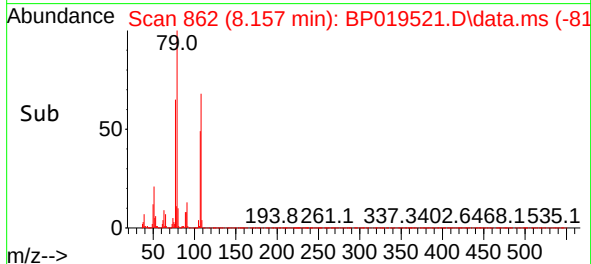
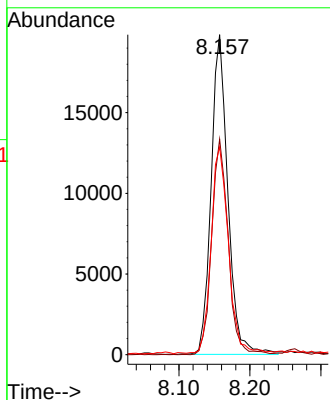
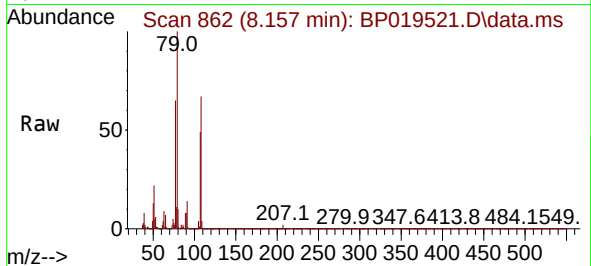
#15
Benzyl Alcohol
Concen: 5.012 ng
RT: 8.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion: 79	Resp: 3239
Ion Ratio	Lower Upper
79 100	
108 67.3	53.8 80.6
77 65.0	51.3 76.9

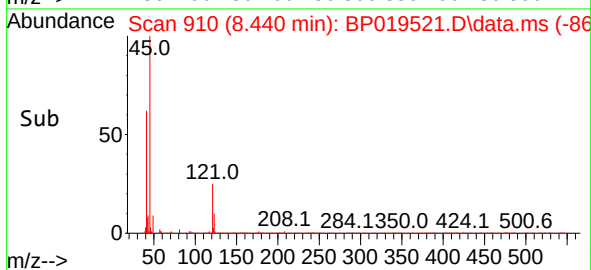
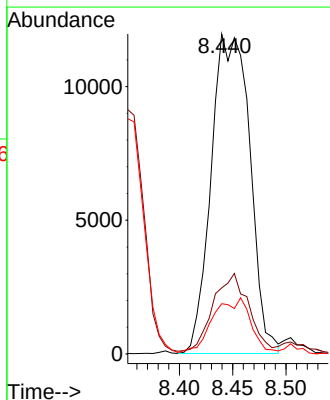
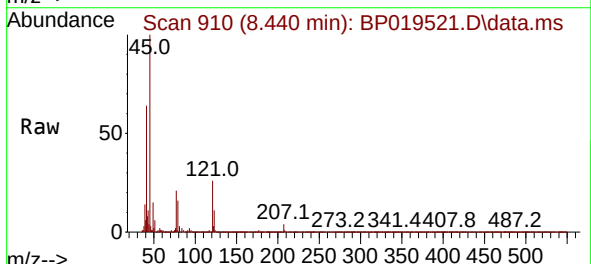
Manual Integrations
APPROVED

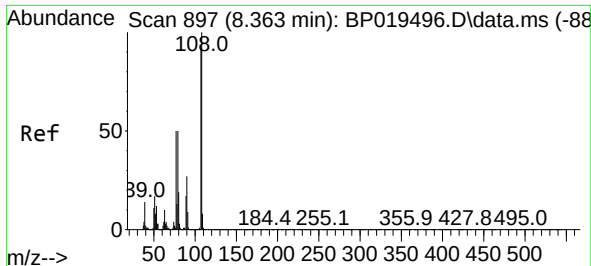
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.808 ng
RT: 8.440 min Scan# 910
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 45	Resp: 30151
Ion Ratio	Lower Upper
45 100	
77 20.7	0.8 40.8
79 15.7	0.0 35.5





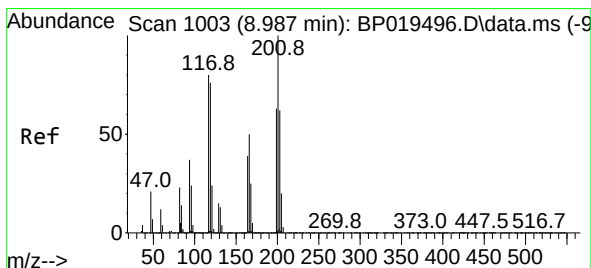
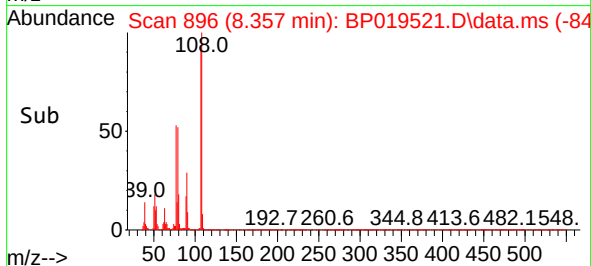
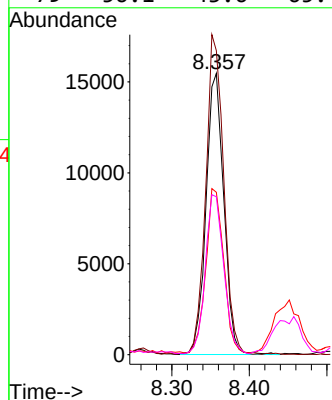
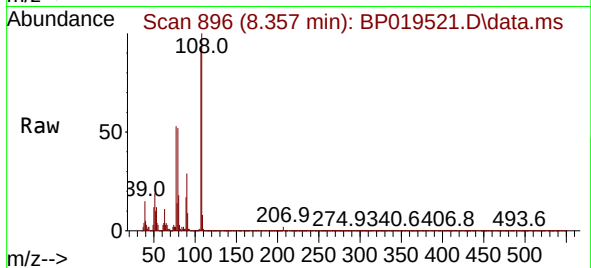
#17
2-Methylphenol
Concen: 4.551 ng
RT: 8.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:	107	Resp:	2469
Ion	Ratio	Lower	Upper
107	100		
108	108.1	87.0	130.6
77	57.7	43.5	65.3
79	56.1	43.6	65.4

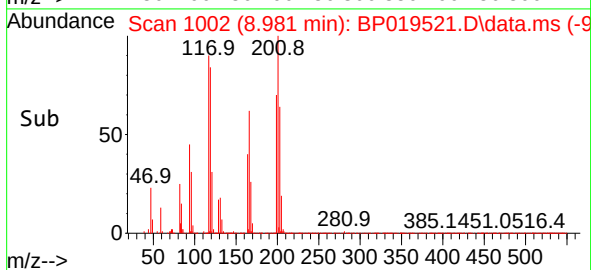
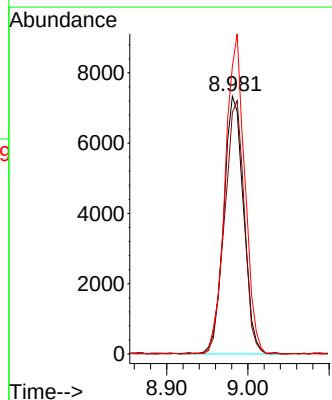
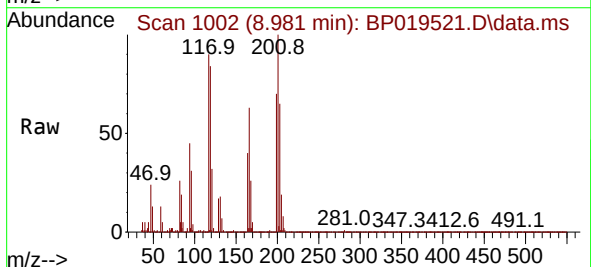
Manual Integrations
APPROVED

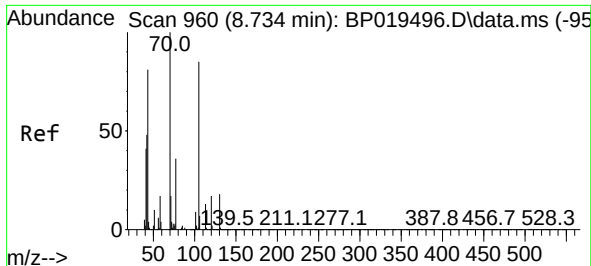
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#18
Hexachloroethane
Concen: 4.225 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

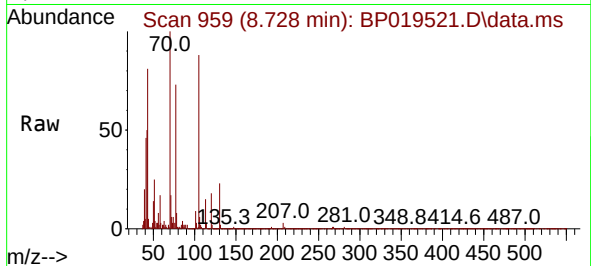
Tgt Ion:	117	Resp:	12503
Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.5	113.3
201	110.4	99.4	149.2





#19
n-Nitroso-di-n-propylamine
Concen: 4.953 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

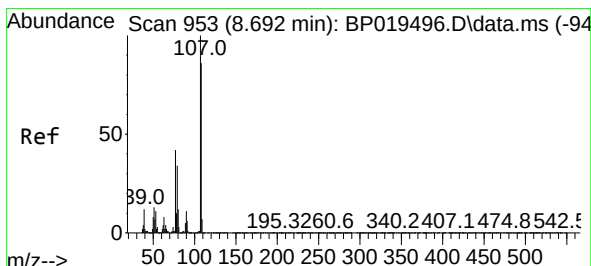
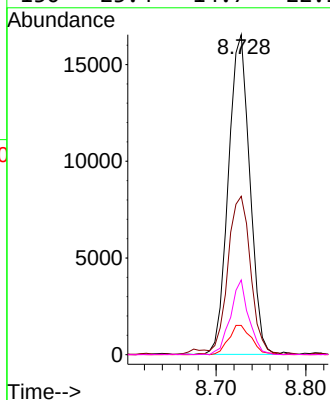
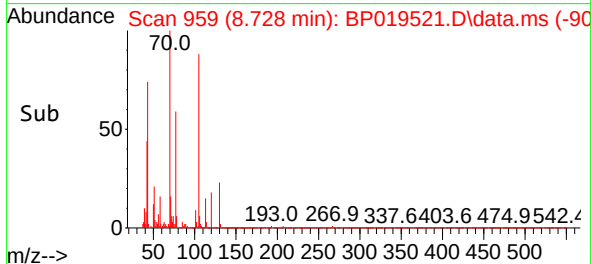
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion: 70 Resp: 2736
Ion Ratio Lower Upper
70 100
42 49.5 39.2 58.8
101 9.1 7.3 10.9
130 23.4 14.7 22.1#

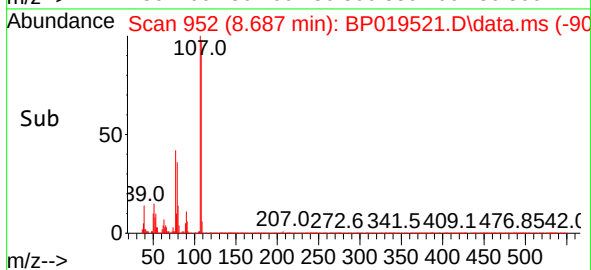
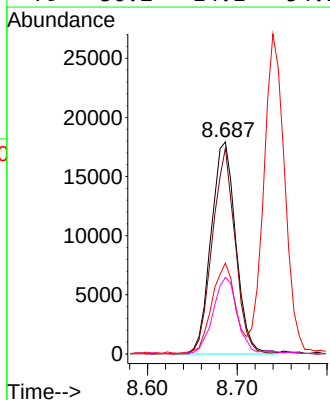
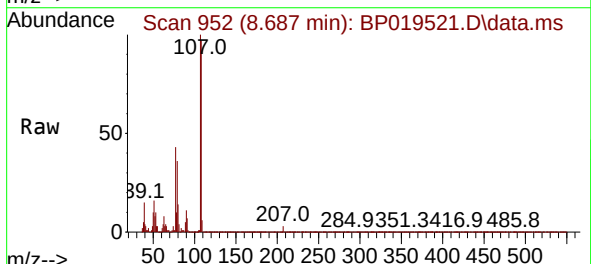
Manual Integrations
APPROVED

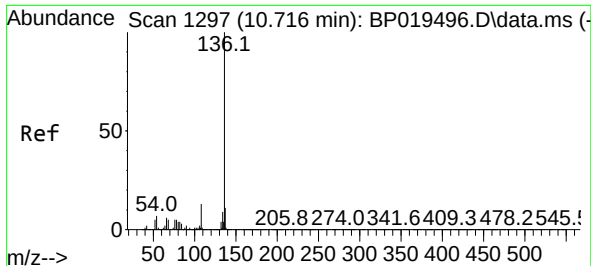
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#20
3+4-Methylphenols
Concen: 4.622 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:107 Resp: 34235
Ion Ratio Lower Upper
107 100
108 97.2 65.5 105.5
77 42.9 21.8 61.8
79 36.2 14.1 54.1





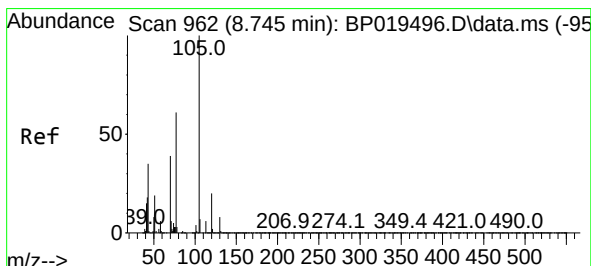
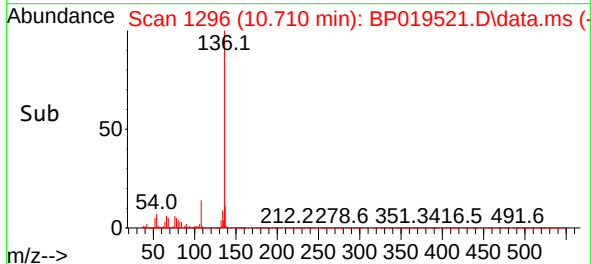
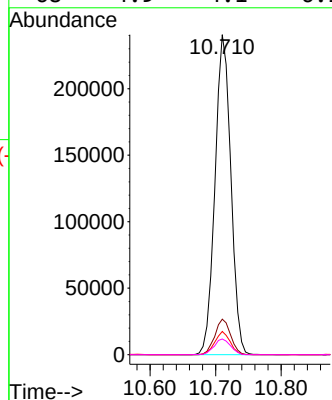
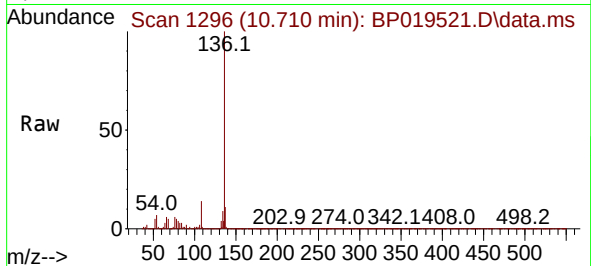
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:	136	Resp:	403070
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.2	5.3	7.9
68	4.9	4.1	6.1

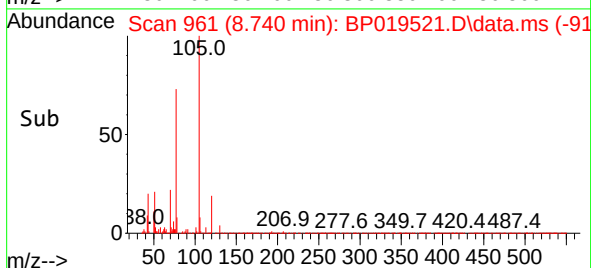
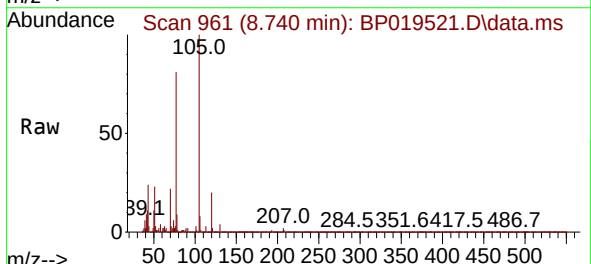
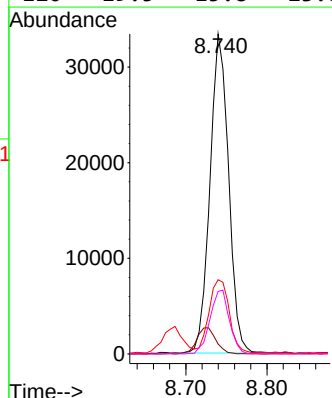
Manual Integrations
APPROVED

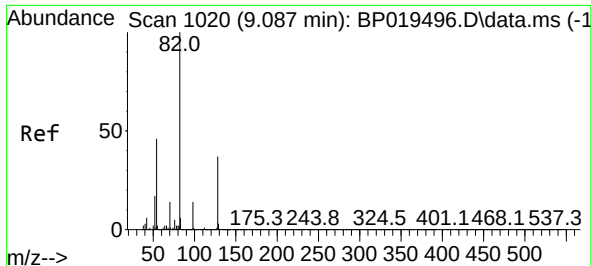
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#22
Acetophenone
Concen: 4.623 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:	105	Resp:	53088
Ion Ratio	Lower	Upper	
105	100		
71	3.1	4.9	7.3
51	23.2	20.7	31.1
120	19.5	15.8	23.8





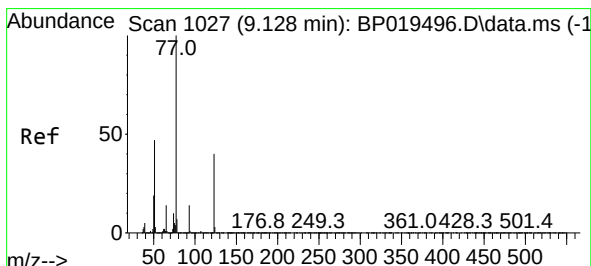
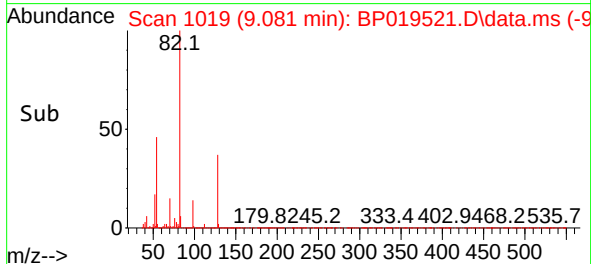
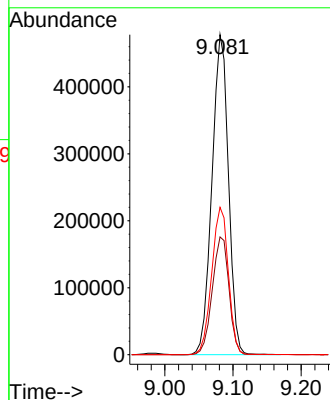
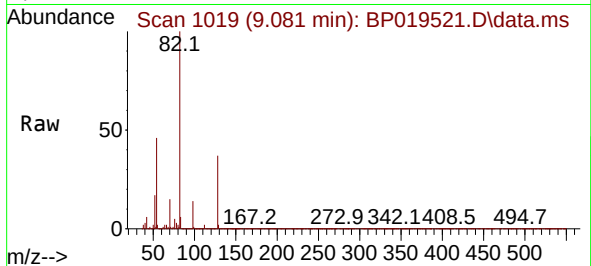
#23
Nitrobenzene-d5
Concen: 86.364 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion: 82 Resp: 803368
Ion Ratio Lower Upper
82 100
128 36.8 29.7 44.5
54 46.1 36.8 55.2

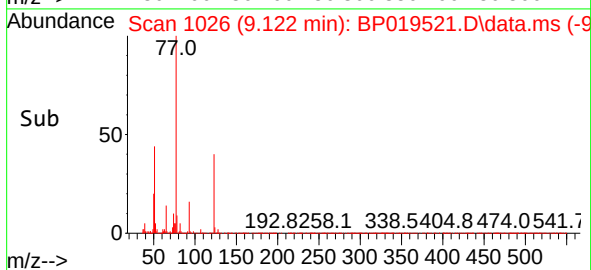
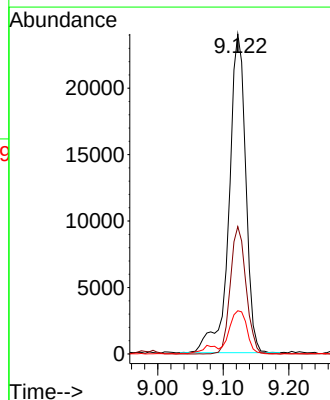
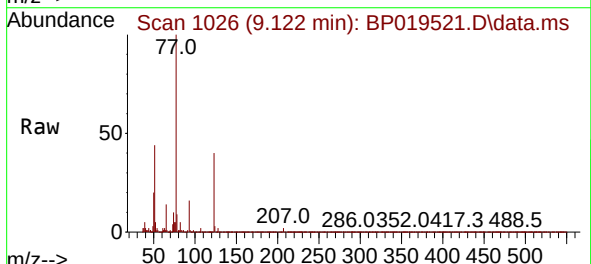
Manual Integrations
APPROVED

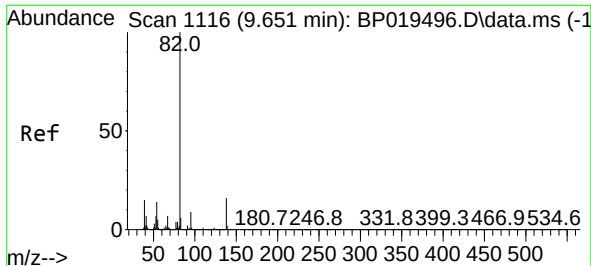
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#24
Nitrobenzene
Concen: 4.542 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion: 77 Resp: 42541
Ion Ratio Lower Upper
77 100
123 39.8 32.3 48.5
65 13.5 11.6 17.4





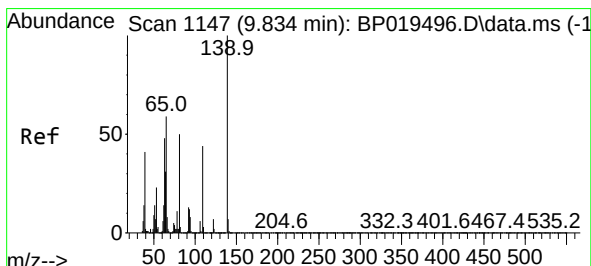
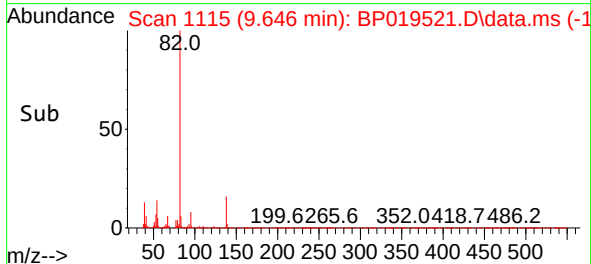
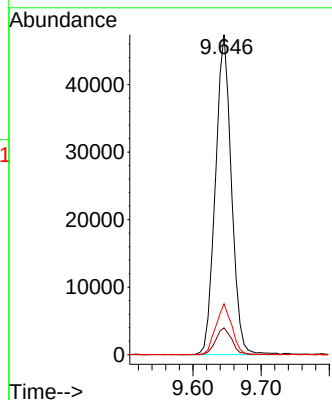
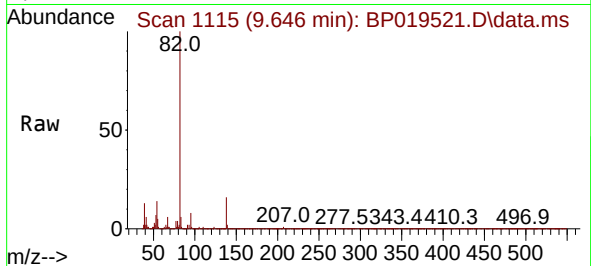
#25
Isophorone
Concen: 4.795 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion: 82	Resp: 77679
Ion Ratio	Lower Upper
82 100	
95 8.4	7.0 10.4
138 15.9	13.1 19.7

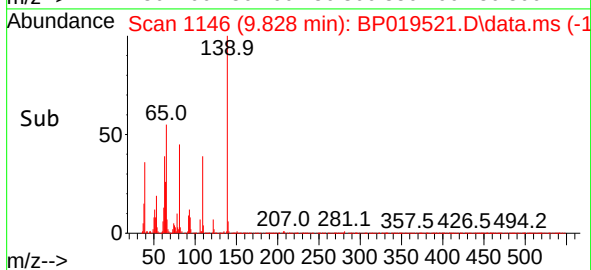
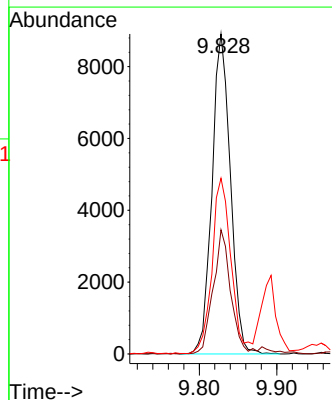
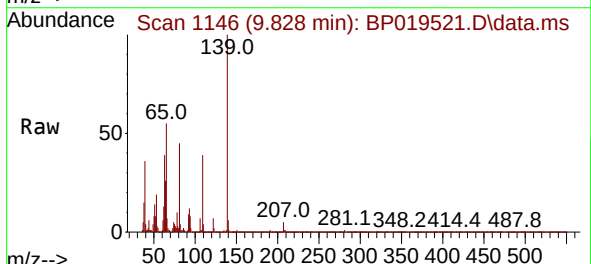
Manual Integrations
APPROVED

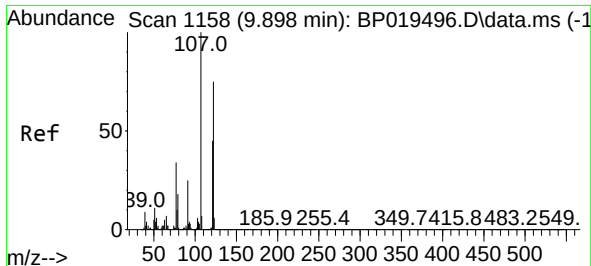
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#26
2-Nitrophenol
Concen: 4.123 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:139	Resp: 14723
Ion Ratio	Lower Upper
139 100	
109 38.8	34.9 52.3
65 54.9	47.5 71.3





#27

2,4-Dimethylphenol

Concen: 5.399 ng

RT: 9.887 min Scan# 1158

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

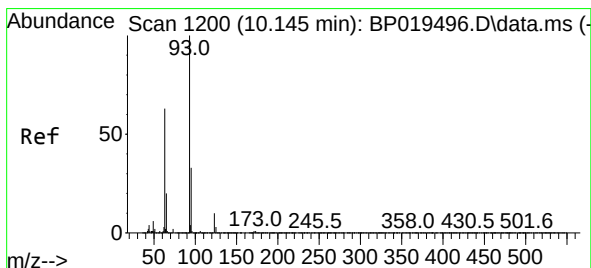
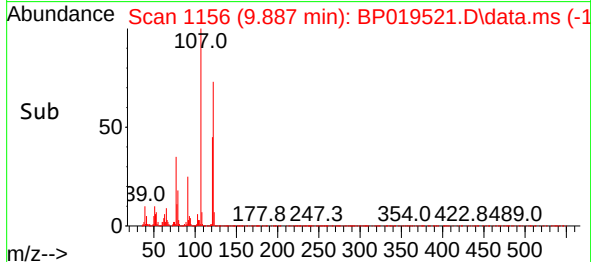
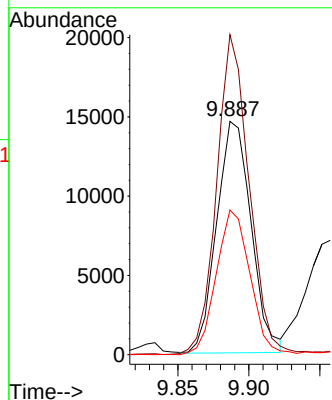
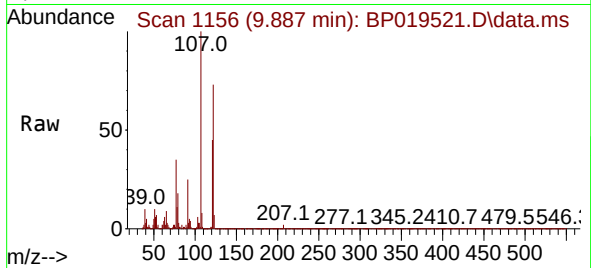
LOQ-SOIL-02-QT4-2023

Tgt Ion:	122	Resp:	2465
Ion Ratio	Lower	Upper	
122	100		
107	137.1	105.9	158.9
121	62.0	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: 4.672 ng

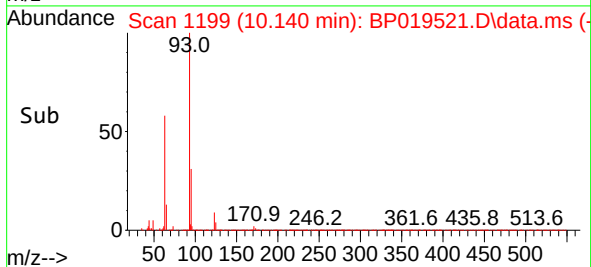
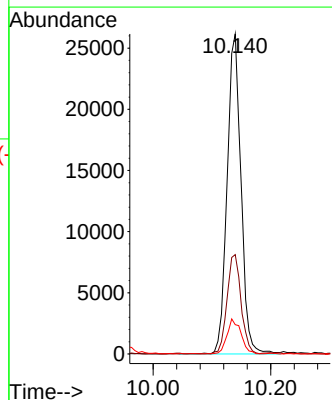
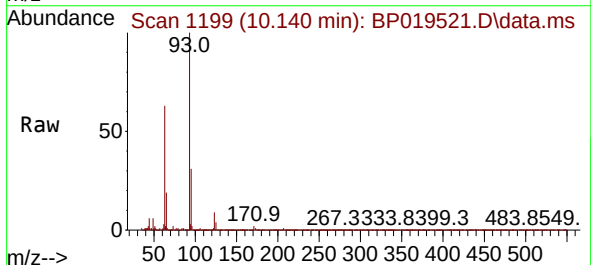
RT: 10.140 min Scan# 1199

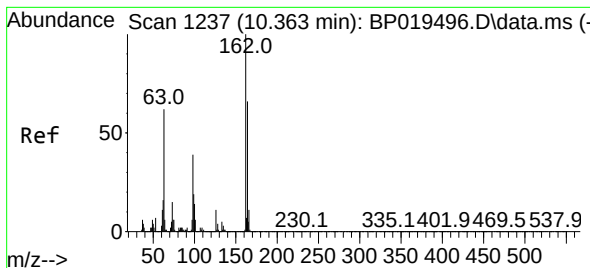
Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

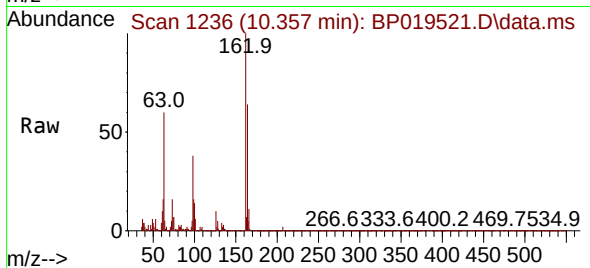
Tgt Ion:	93	Resp:	42824
Ion Ratio	Lower	Upper	
93	100		
95	31.1	26.2	39.4
123	9.1	8.5	12.7





#29
2,4-Dichlorophenol
Concen: 4.324 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

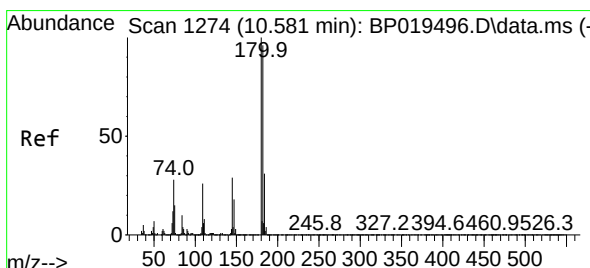
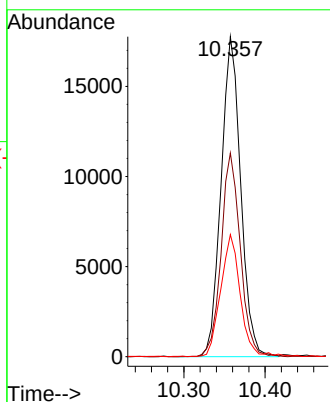
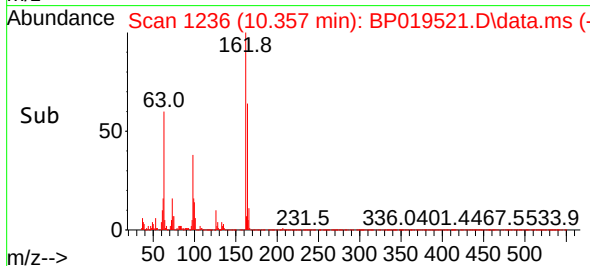
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:162 Resp: 2984
Ion Ratio Lower Upper
162 100
164 63.7 46.0 86.0
98 38.2 18.7 58.7

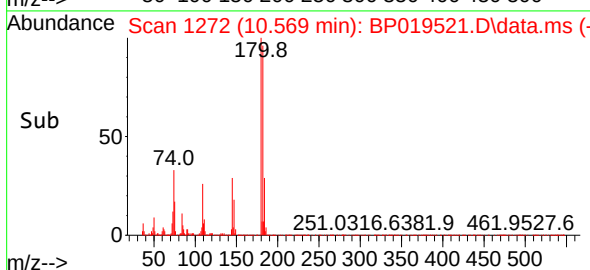
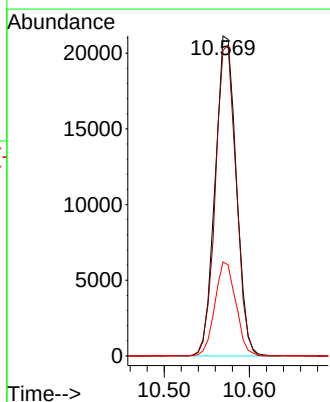
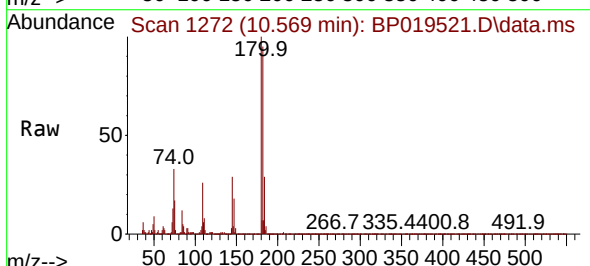
Manual Integrations
APPROVED

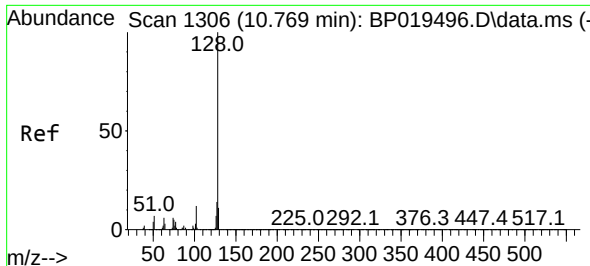
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#30
1,2,4-Trichlorobenzene
Concen: 4.296 ng
RT: 10.569 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:180 Resp: 36360
Ion Ratio Lower Upper
180 100
182 95.5 77.0 115.6
145 29.3 23.2 34.8





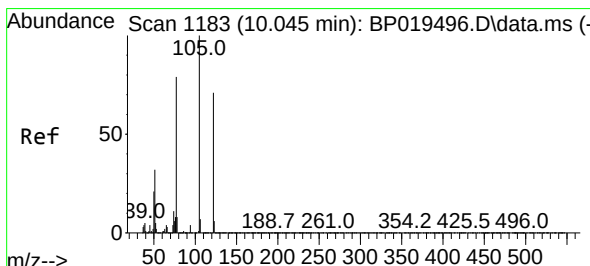
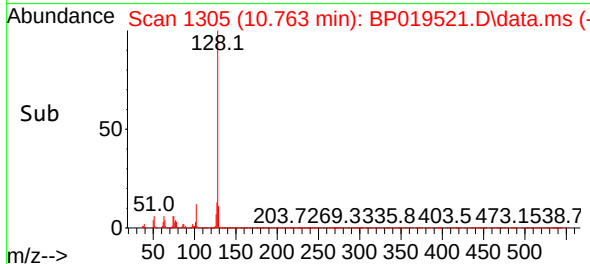
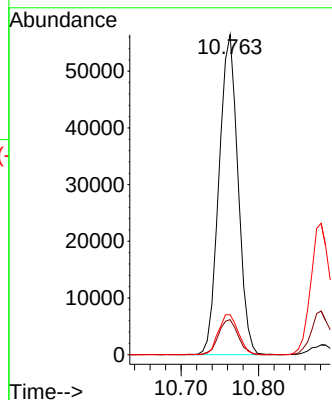
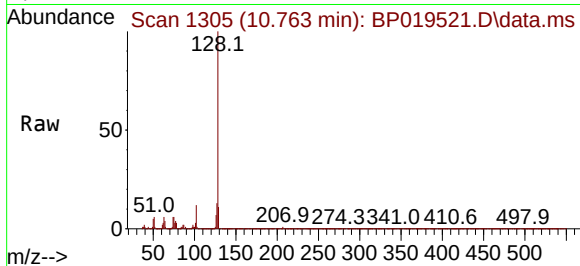
#31
Naphthalene
Concen: 4.343 ng
RT: 10.763 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:128 Resp: 9602
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.5 10.8 16.2

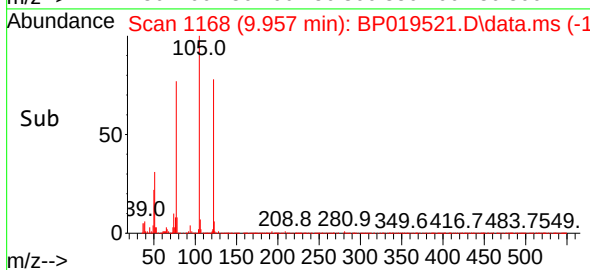
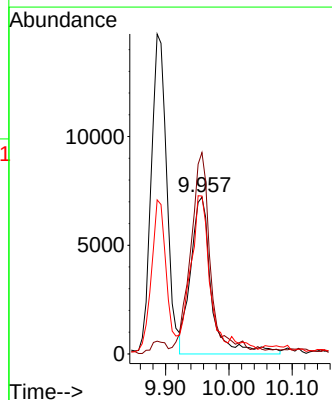
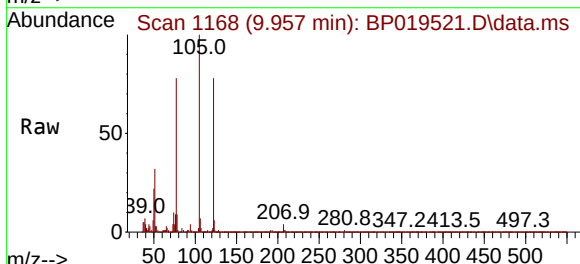
Manual Integrations
APPROVED

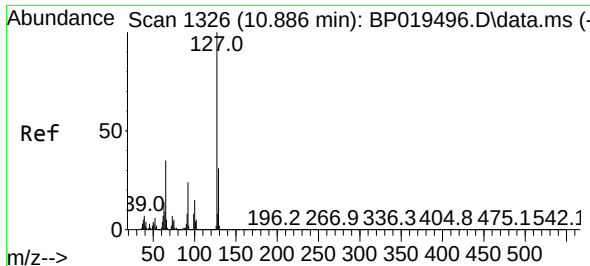
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#32
Benzoic acid
Concen: 3.699 ng m
RT: 9.957 min Scan# 1168
Delta R.T. -0.088 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:122 Resp: 16459
Ion Ratio Lower Upper
122 100
105 128.5 118.8 158.8
77 100.8 91.7 131.7





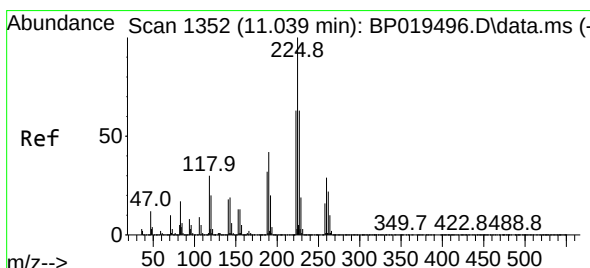
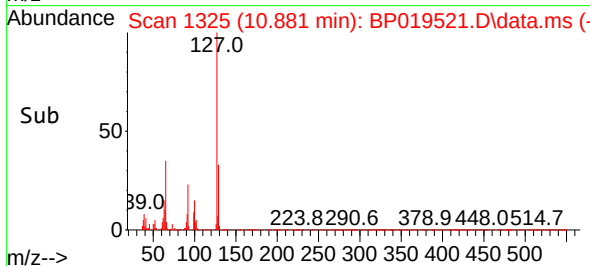
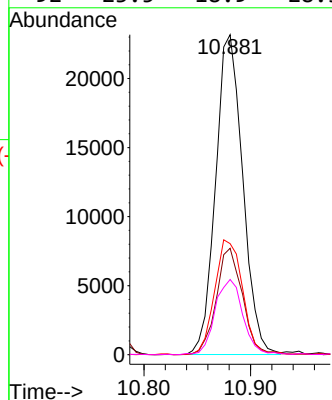
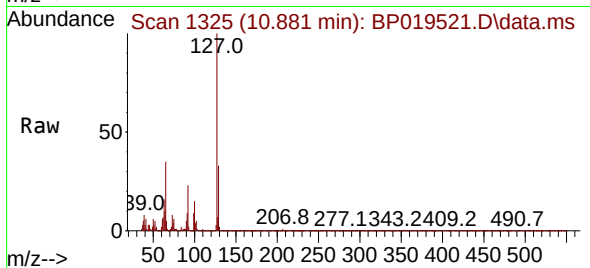
#33
4-Chloroaniline
Concen: 5.010 ng
RT: 10.881 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:	127	Resp:	4096
Ion Ratio	Lower	Upper	
127	100		
129	33.3	24.6	36.8
65	34.7	28.2	42.4
92	23.5	18.9	28.3

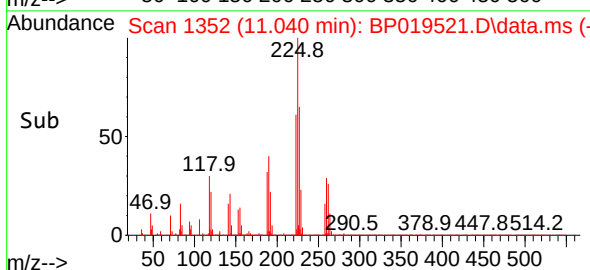
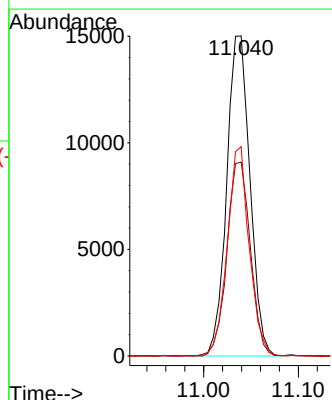
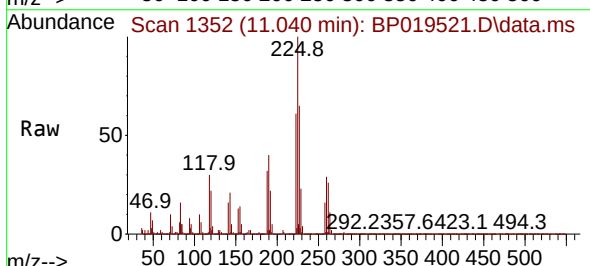
Manual Integrations
APPROVED

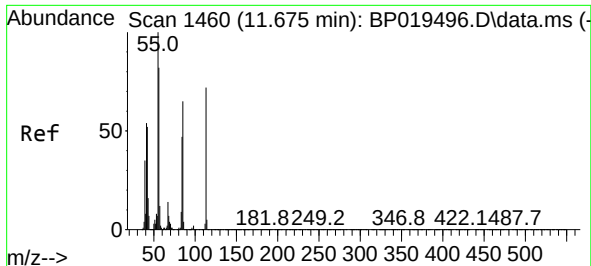
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#34
Hexachlorobutadiene
Concen: 4.082 ng
RT: 11.040 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

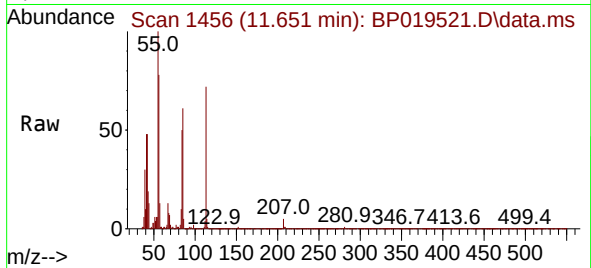
Tgt Ion:	225	Resp:	25605
Ion Ratio	Lower	Upper	
225	100		
223	60.6	50.5	75.7
227	65.4	50.2	75.2





#35
Caprolactam
Concen: 5.598 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

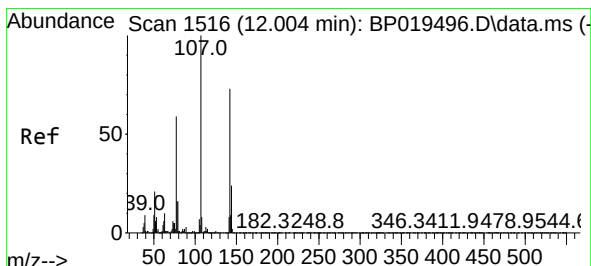
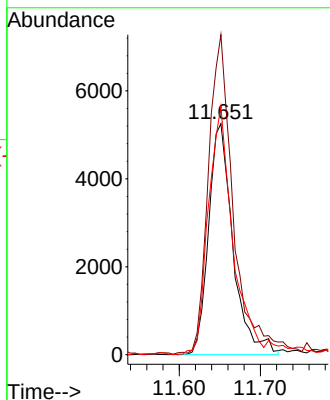
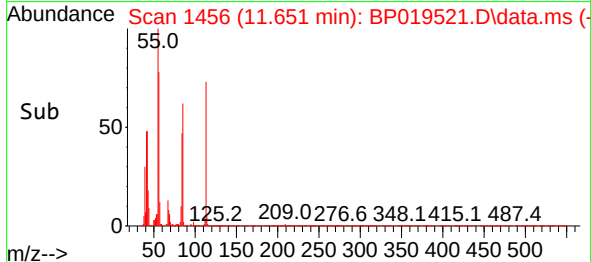
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



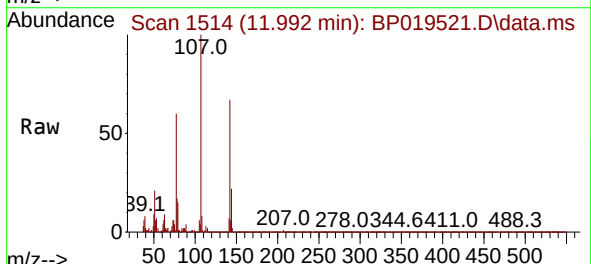
Tgt Ion:113 Resp: 10940
Ion Ratio Lower Upper
113 100
55 138.5 120.0 160.0
56 107.5 94.0 134.0

Manual Integrations
APPROVED

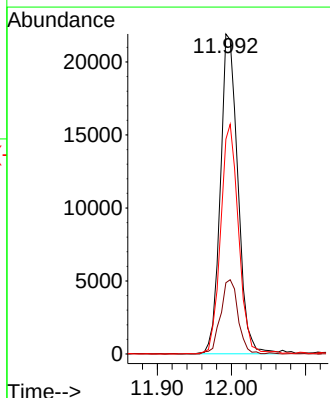
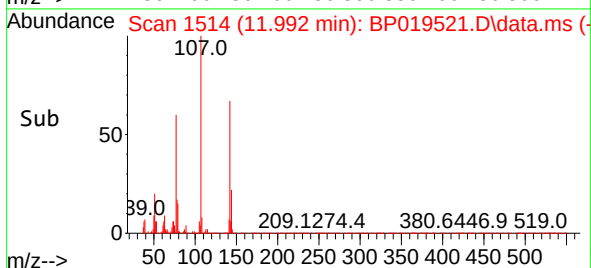
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

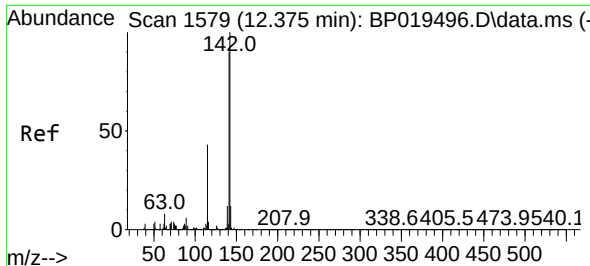


#36
4-Chloro-3-methylphenol
Concen: 4.778 ng
RT: 11.992 min Scan# 1514
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56



Tgt Ion:107 Resp: 35966
Ion Ratio Lower Upper
107 100
144 22.3 19.0 28.4
142 67.1 58.6 88.0





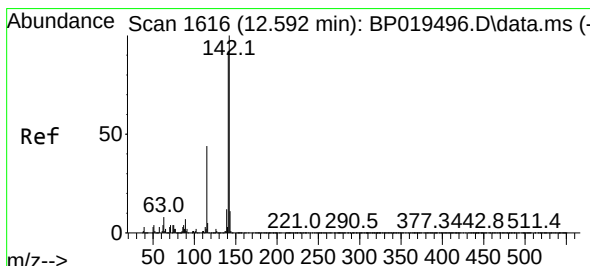
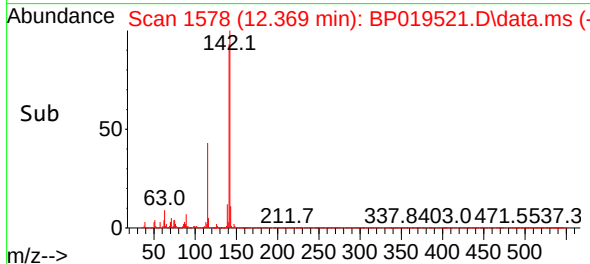
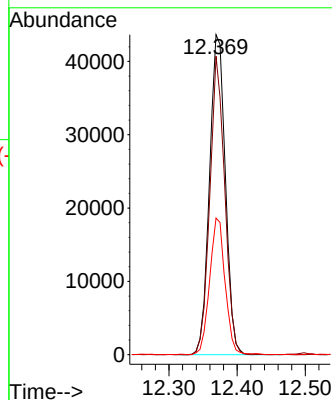
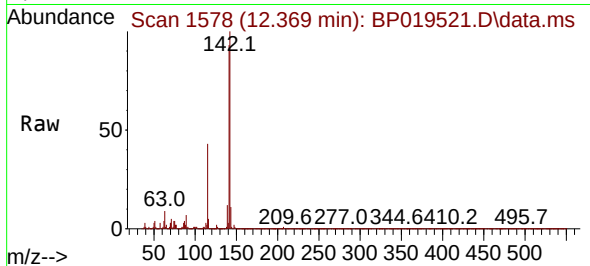
#37
2-Methylnaphthalene
Concen: 4.620 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:142 Resp: 7068
Ion Ratio Lower Upper
142 100
141 93.2 72.2 108.4
115 42.7 34.2 51.2

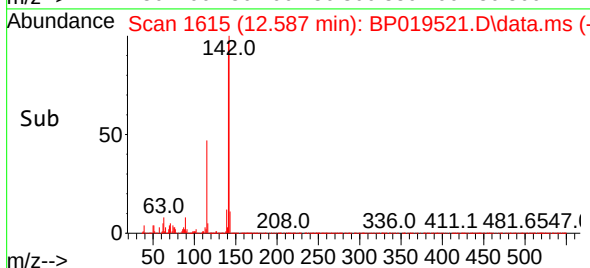
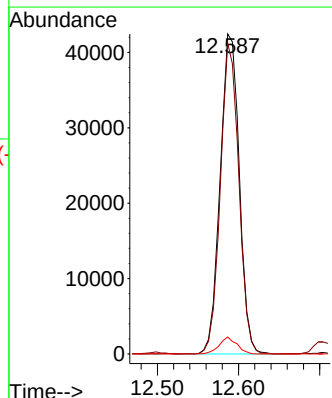
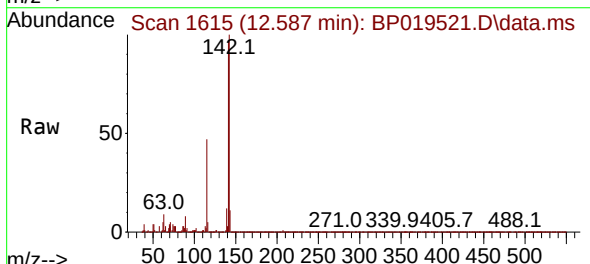
Manual Integrations
APPROVED

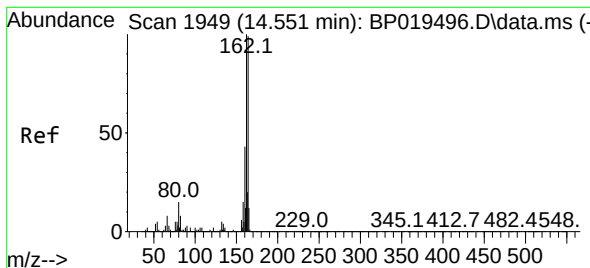
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#38
1-Methylnaphthalene
Concen: 4.627 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:142 Resp: 69563
Ion Ratio Lower Upper
142 100
141 97.0 74.0 111.0
116 5.3 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP019521.D

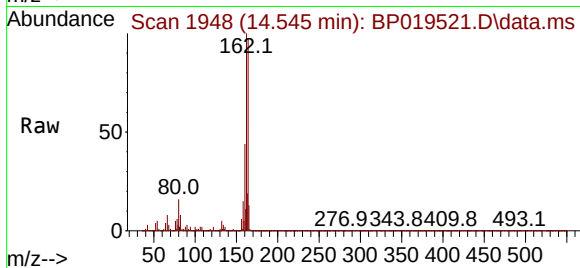
Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023



Tgt Ion:164 Resp: 299429

Ion Ratio Lower Upper

164 100

162 102.7 81.2 121.8

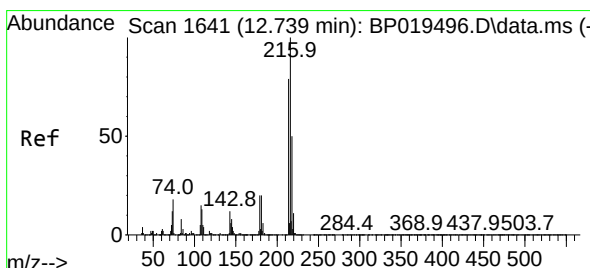
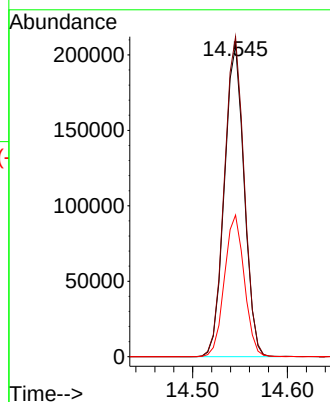
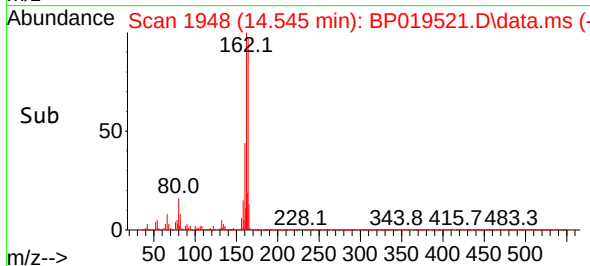
160 45.4 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.060 ng

RT: 12.734 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:216 Resp: 46885

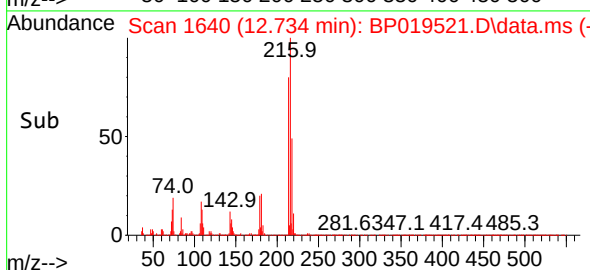
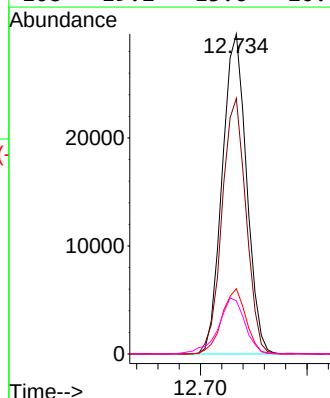
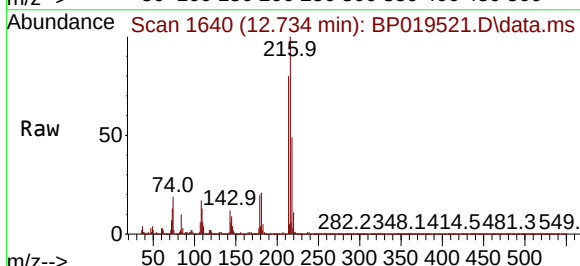
Ion Ratio Lower Upper

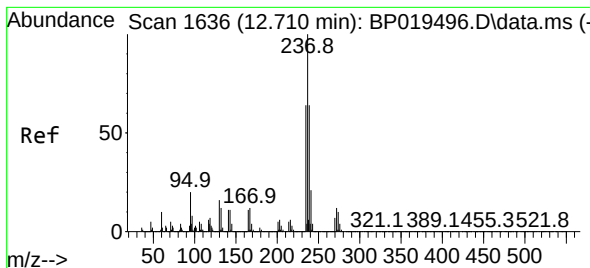
216 100

214 78.8 62.8 94.2

179 20.3 16.6 24.8

108 19.2 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 4.304 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

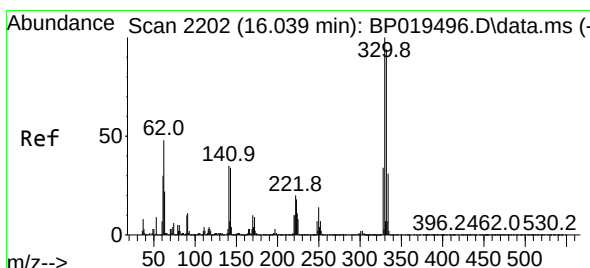
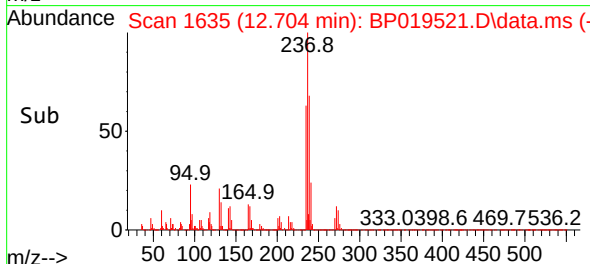
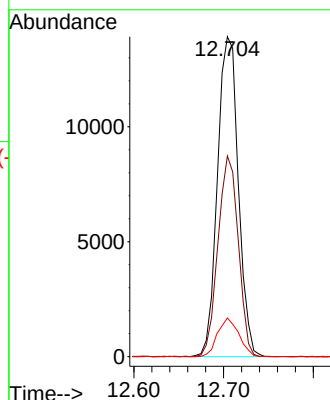
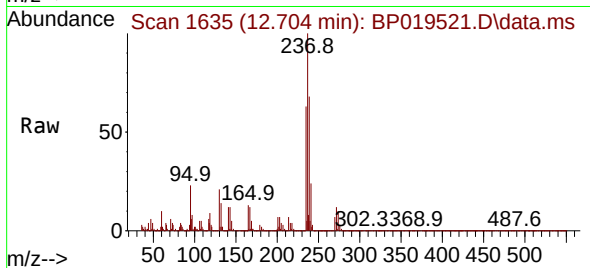
LOQ-SOIL-02-QT4-2023

Tgt Ion:	237	Resp:	2245
Ion Ratio	Lower	Upper	
237	100		
235	62.7	43.7	83.7
272	12.1	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: 116.604 ng

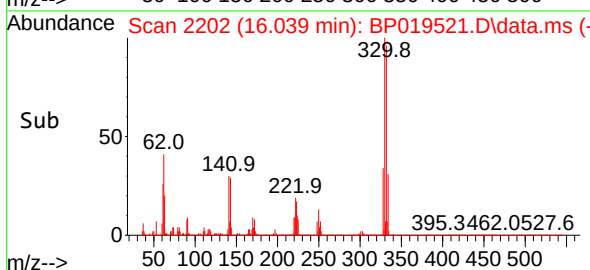
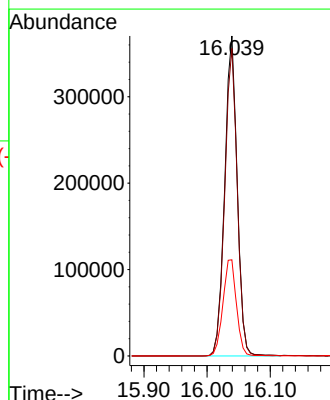
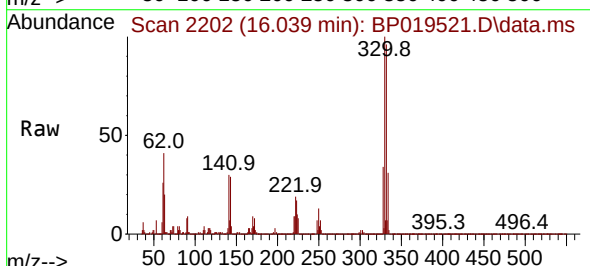
RT: 16.039 min Scan# 2202

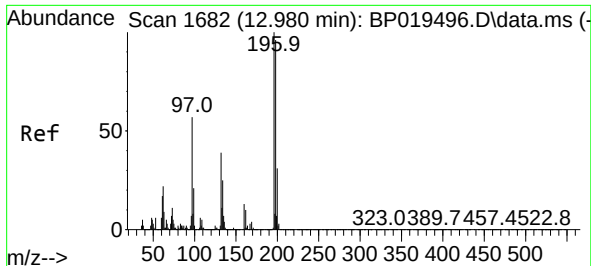
Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

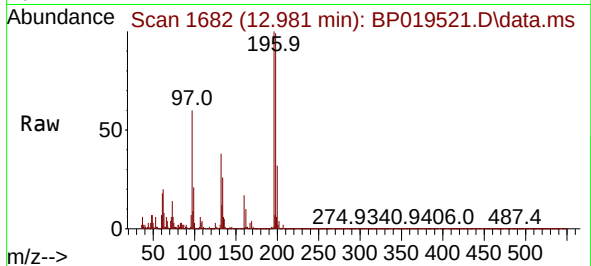
Tgt Ion:	330	Resp:	509779
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.2	115.8
141	32.7	27.0	40.4





#43
2,4,6-Trichlorophenol
Concen: 3.935 ng
RT: 12.981 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

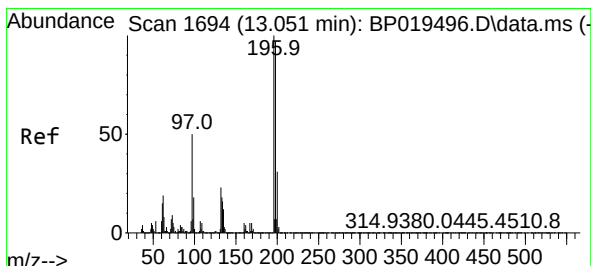
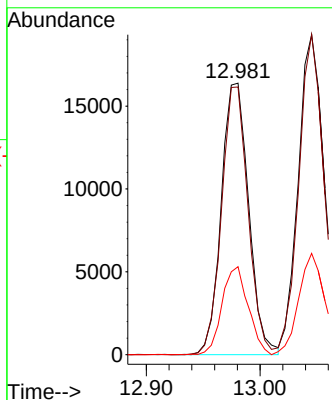
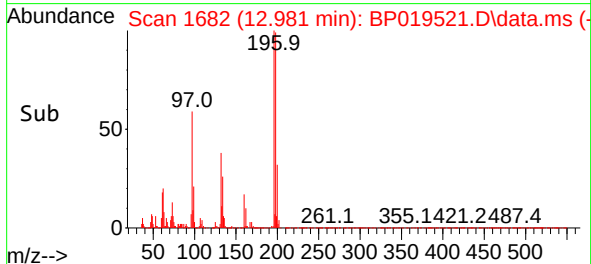
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



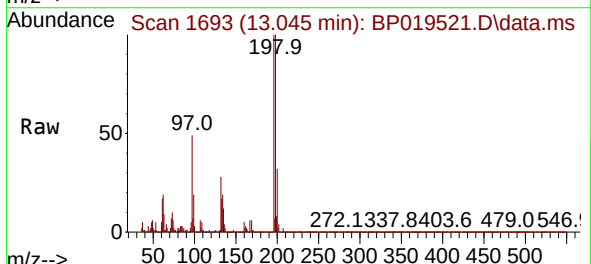
Tgt Ion:196 Resp: 27514
Ion Ratio Lower Upper
196 100
198 98.6 76.7 115.1
200 32.4 24.6 36.8

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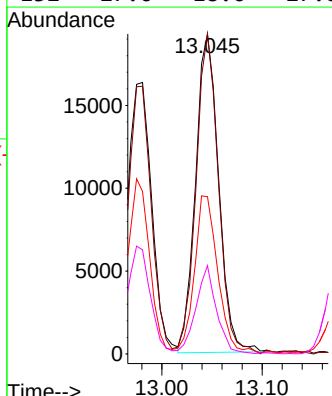
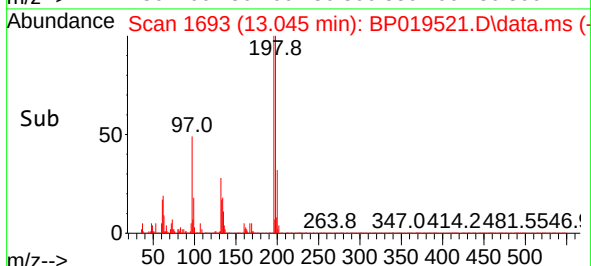
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

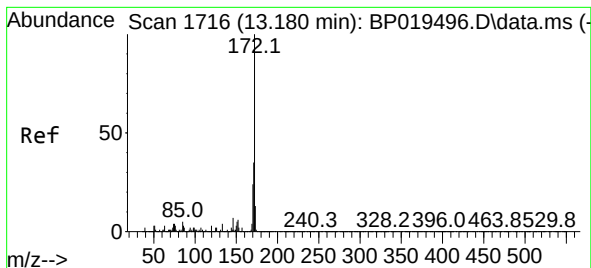


#44
2,4,5-Trichlorophenol
Concen: 4.014 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56



Tgt Ion:196 Resp: 30818
Ion Ratio Lower Upper
196 100
198 100.0 77.5 116.3
97 49.1 39.9 59.9
132 27.6 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 80.169 ng

RT: 13.175 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:172 Resp: 194178

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

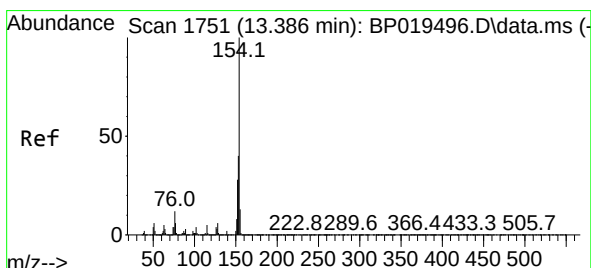
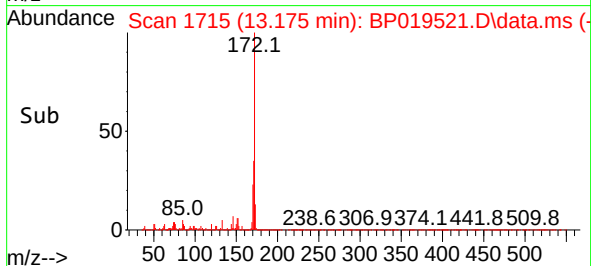
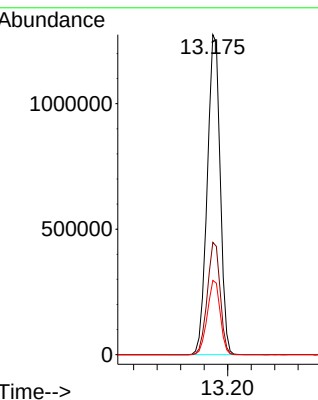
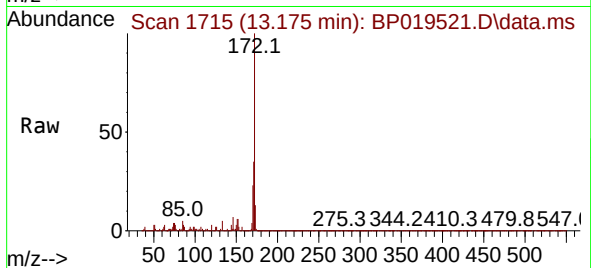
170 23.2 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#46

1,1'-Biphenyl

Concen: 4.265 ng

RT: 13.387 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

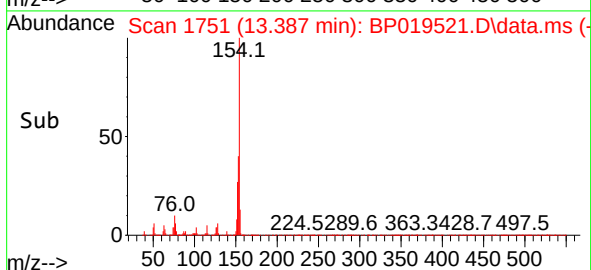
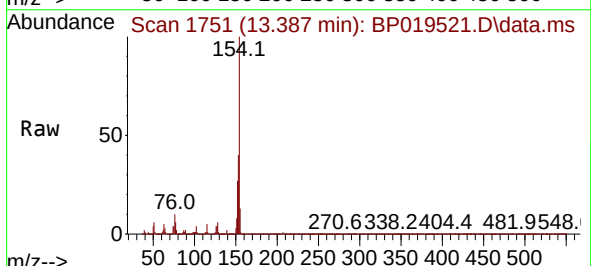
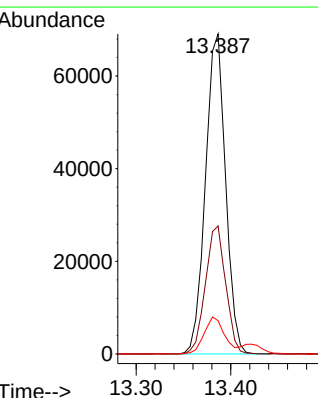
Tgt Ion:154 Resp: 101929

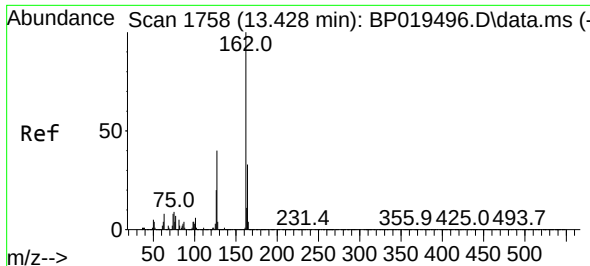
Ion Ratio Lower Upper

154 100

153 40.0 20.2 60.2

76 10.4 0.0 31.6





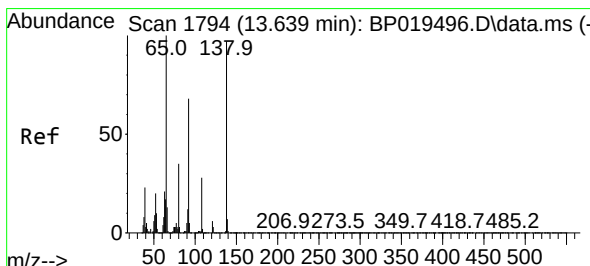
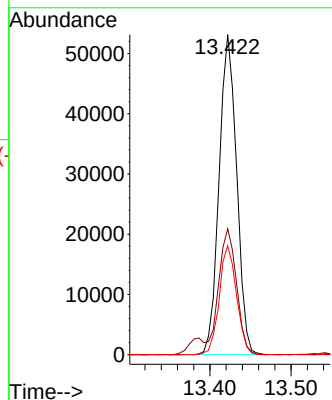
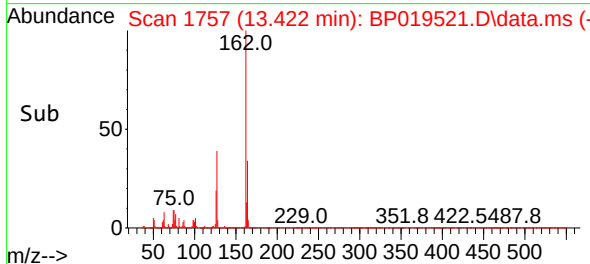
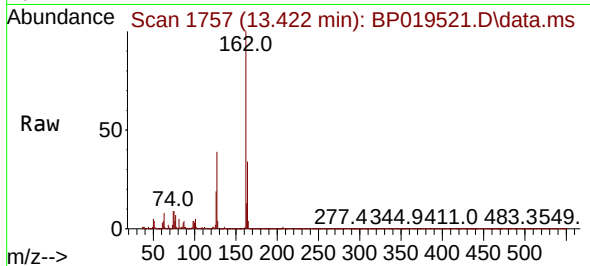
#47
2-Chloronaphthalene
Concen: 4.081 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:162 Resp: 80050
Ion Ratio Lower Upper
162 100
127 39.3 32.1 48.1
164 34.0 26.7 40.1

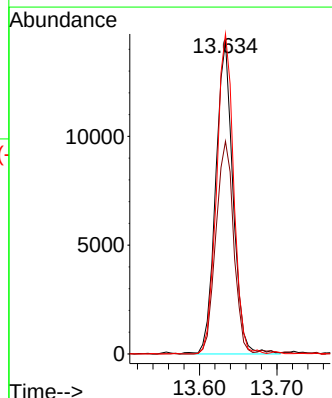
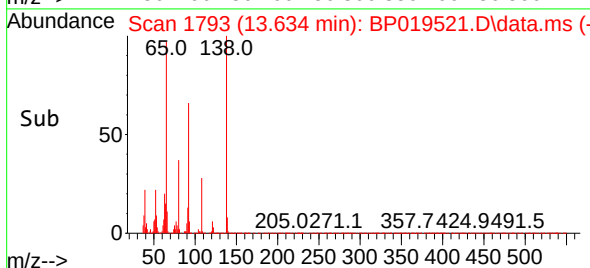
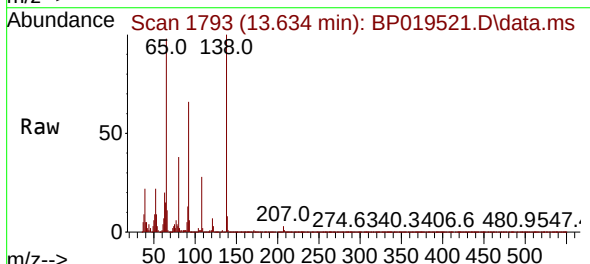
Manual Integrations
APPROVED

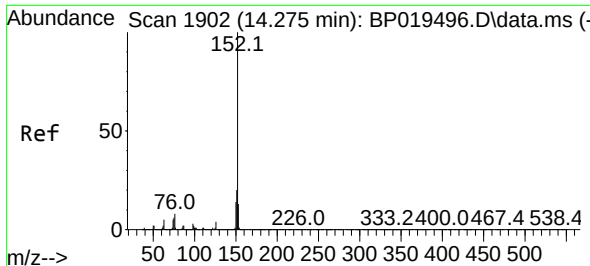
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#48
2-Nitroaniline
Concen: 4.069 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

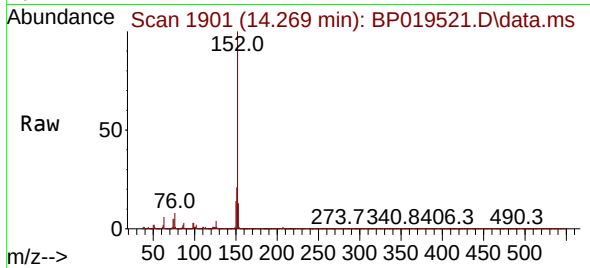
Tgt Ion: 65 Resp: 22320
Ion Ratio Lower Upper
65 100
92 68.0 54.7 82.1
138 102.4 77.8 116.6





#49
Acenaphthylene
Concen: 4.665 ng
RT: 14.269 min Scan# 1902
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

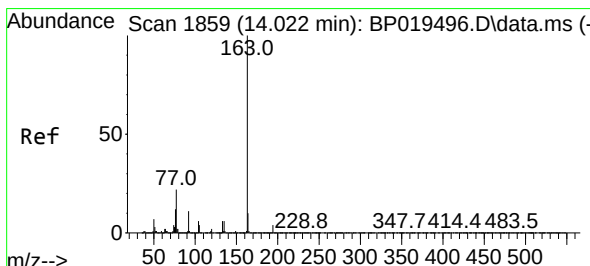
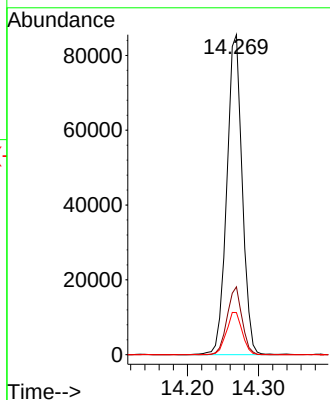
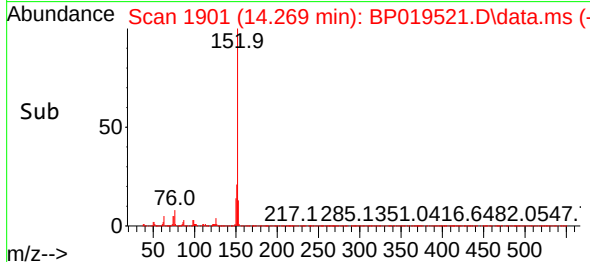
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



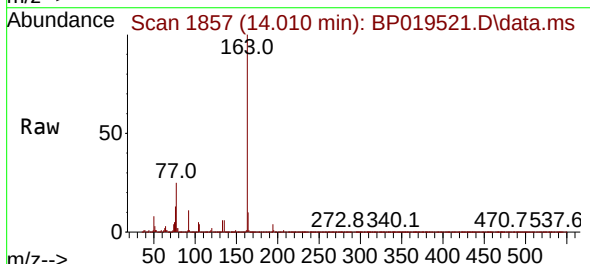
Tgt Ion:152 Resp: 128388
Ion Ratio Lower Upper
152 100
151 21.2 15.8 23.6
153 13.2 10.6 15.8

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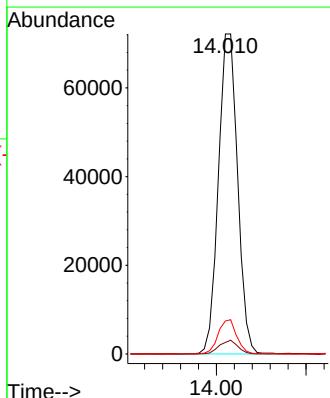
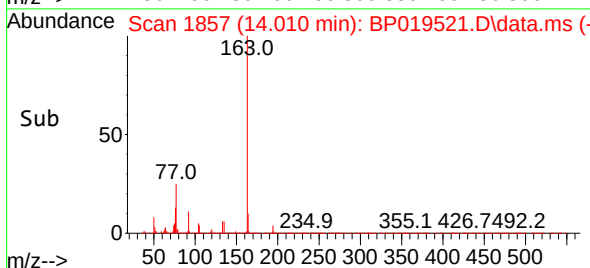
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

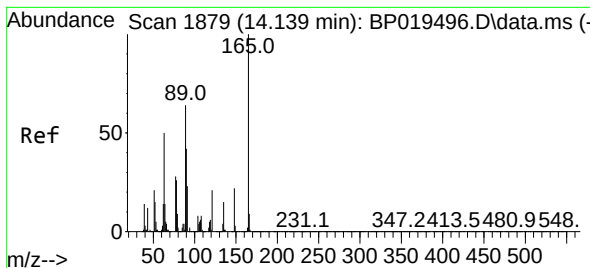


#50
Dimethylphthalate
Concen: 4.675 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56



Tgt Ion:163 Resp: 107153
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.2
164 10.3 7.8 11.6





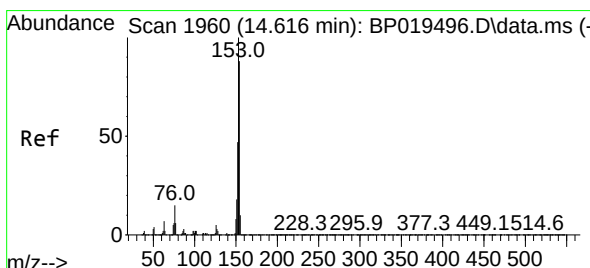
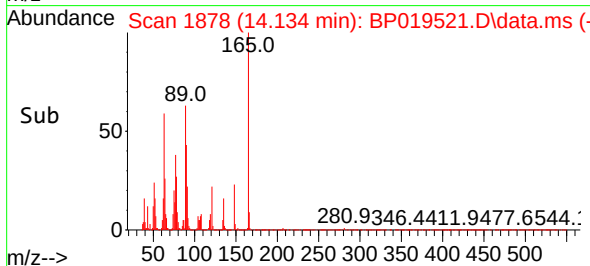
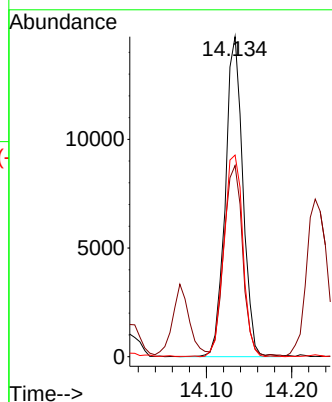
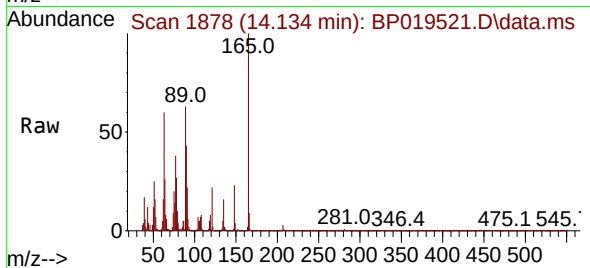
#51
2,6-Dinitrotoluene
Concen: 4.187 ng
RT: 14.134 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:165 Resp: 21084
Ion Ratio Lower Upper
165 100
63 59.7 50.4 75.6
89 63.0 51.7 77.5

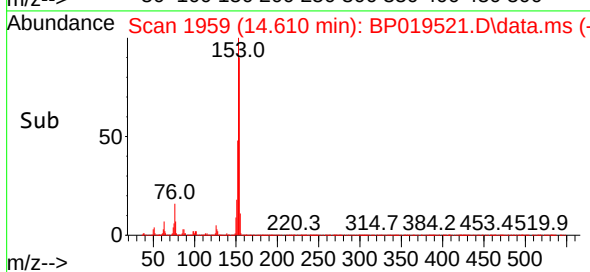
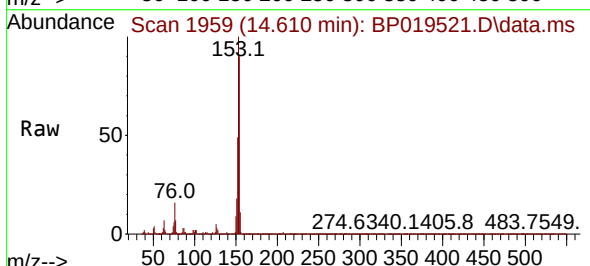
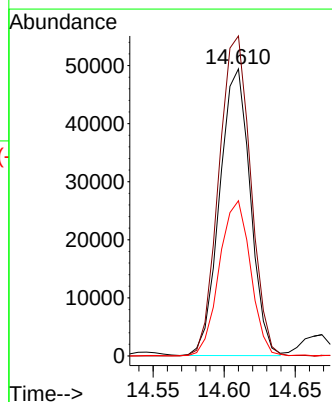
Manual Integrations
APPROVED

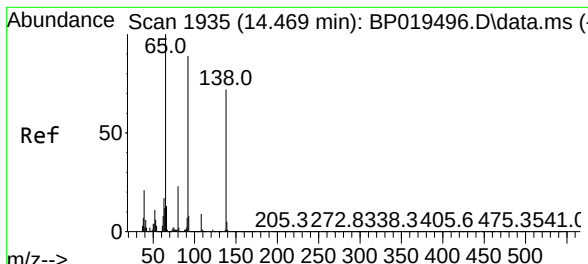
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#52
Acenaphthene
Concen: 4.339 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:154 Resp: 74117
Ion Ratio Lower Upper
154 100
153 111.5 90.5 135.7
152 54.1 42.1 63.1





#53
3-Nitroaniline
Concen: 4.665 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

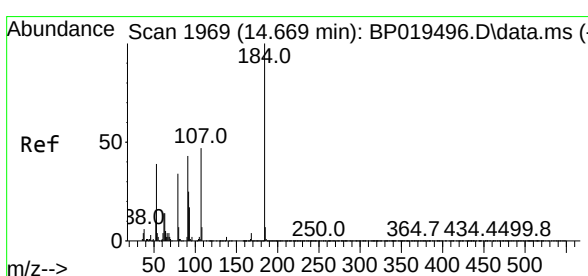
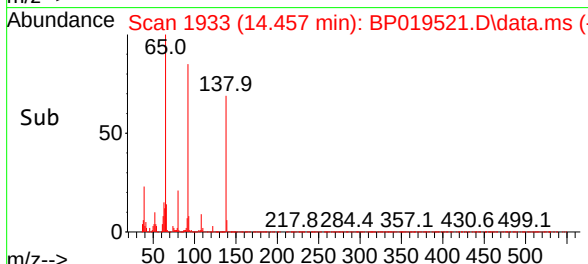
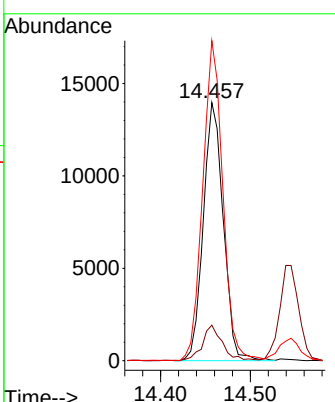
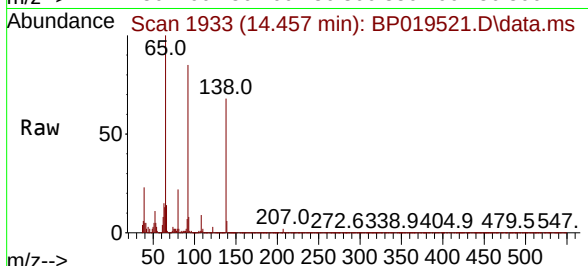
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2023

Tgt Ion:138 Resp: 2159

Ion	Ratio	Lower	Upper
138	100		
108	13.8	9.7	14.5
92	124.0	98.0	147.0

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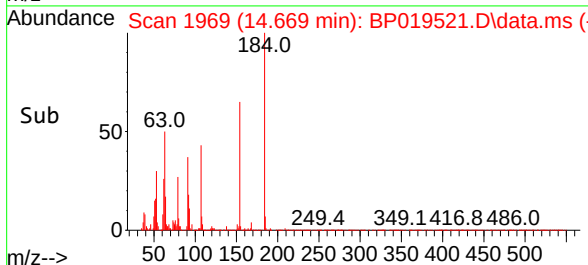
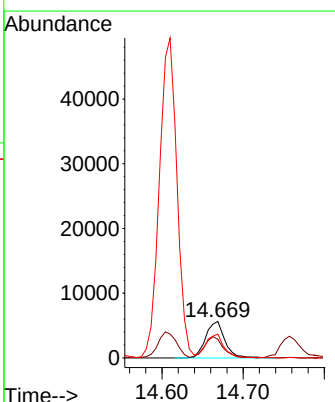
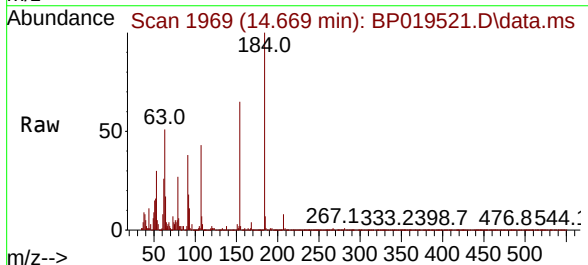
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

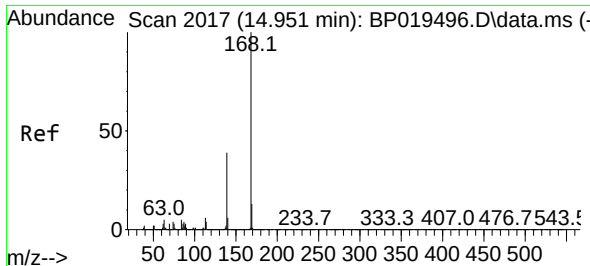


#54
2,4-Dinitrophenol
Concen: 3.520 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:184 Resp: 9204

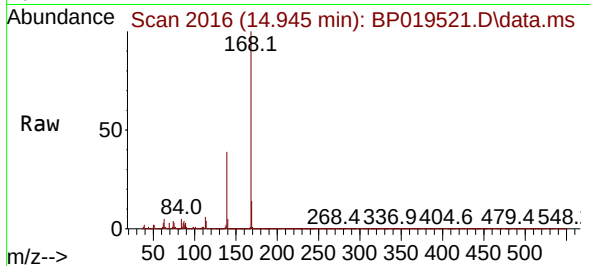
Ion	Ratio	Lower	Upper
184	100		
63	50.7	50.5	75.7
154	65.1	53.4	80.0





#55
Dibenzenofuran
Concen: 4.635 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

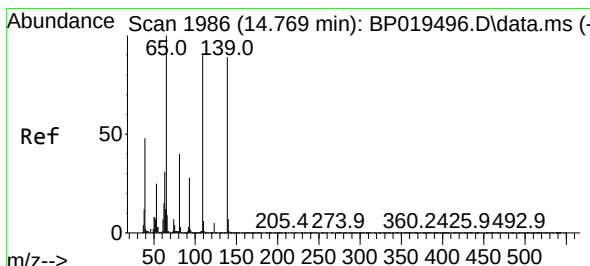
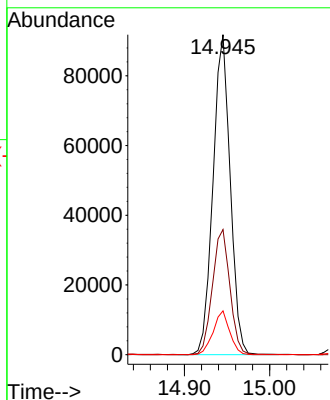
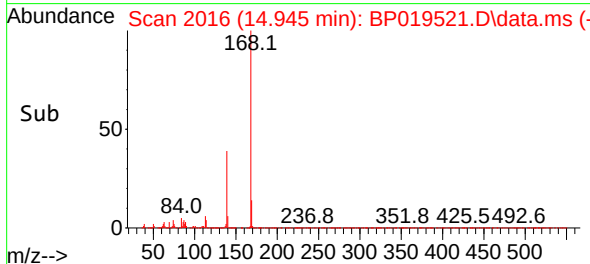
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:168 Resp: 12896
Ion Ratio Lower Upper
168 100
139 39.1 31.5 47.3
169 13.7 10.3 15.5

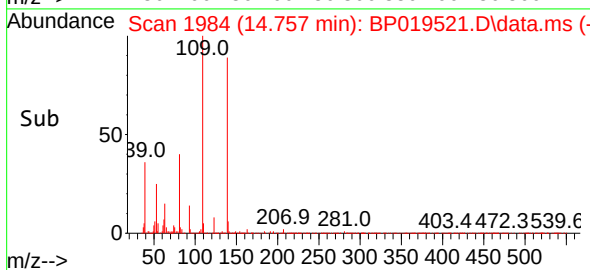
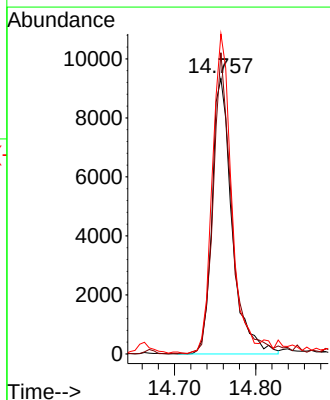
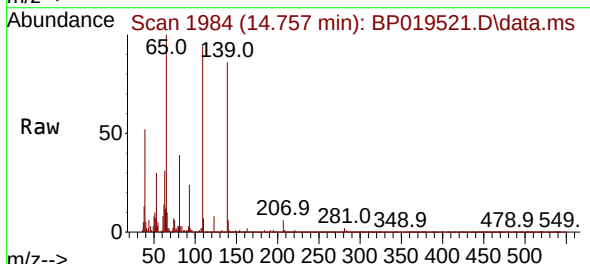
Manual Integrations
APPROVED

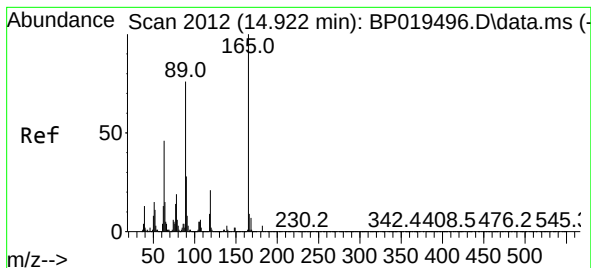
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#56
4-Nitrophenol
Concen: 4.205 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:139 Resp: 15951
Ion Ratio Lower Upper
139 100
109 109.3 82.0 122.0
65 116.1 92.9 132.9





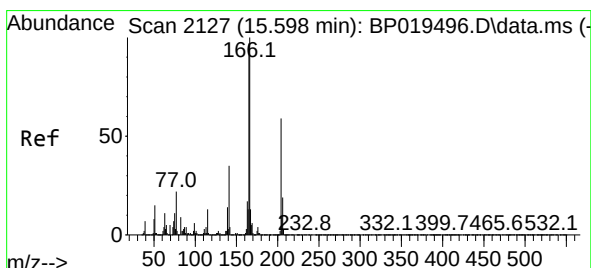
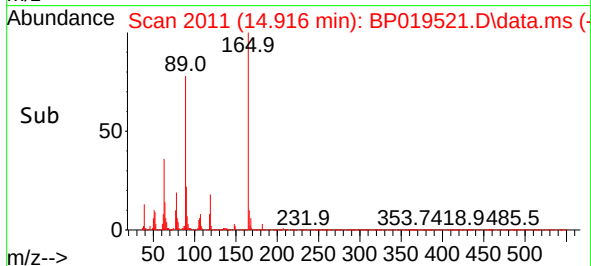
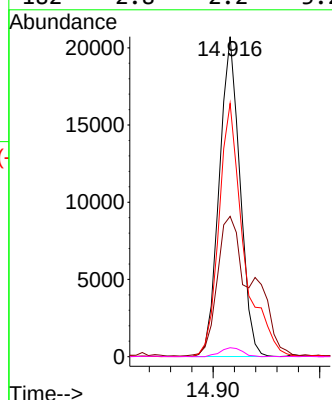
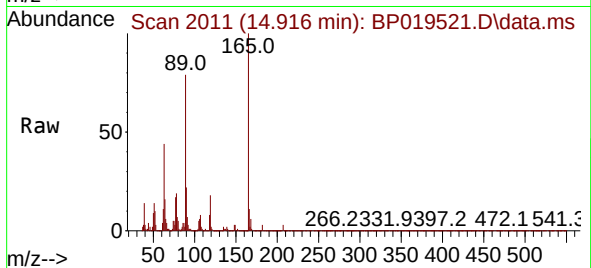
#57
2,4-Dinitrotoluene
Concen: 4.223 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:	165	Resp:	27870
Ion Ratio	Lower	Upper	
165	100		
63	43.8	36.9	55.3
89	79.2	61.1	91.7
182	2.8	2.2	3.2

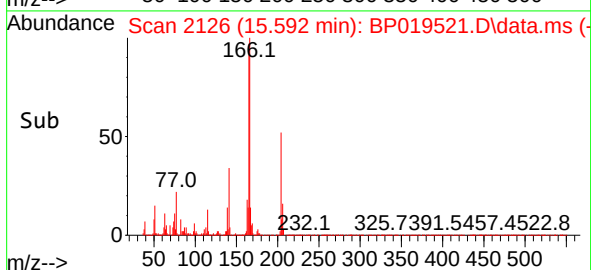
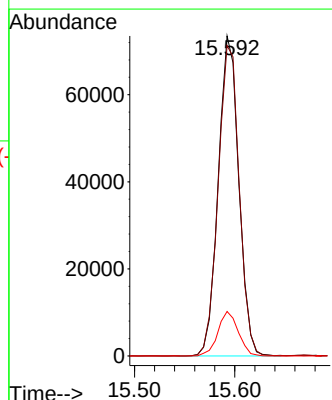
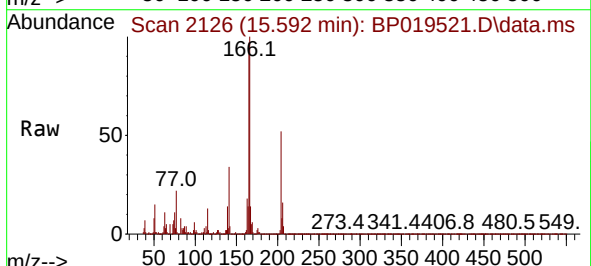
Manual Integrations
APPROVED

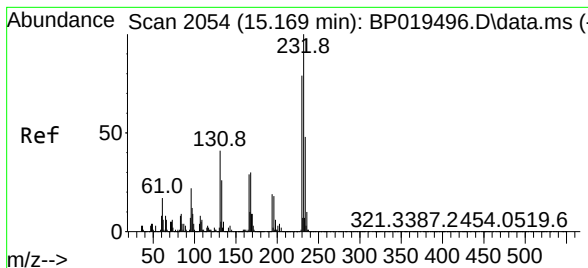
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#58
Fluorene
Concen: 4.703 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:	166	Resp:	104209
Ion Ratio	Lower	Upper	
166	100		
165	97.0	77.8	116.8
167	13.9	10.7	16.1





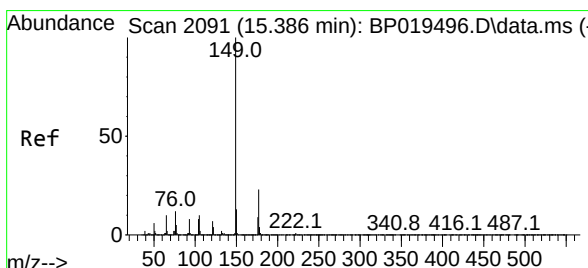
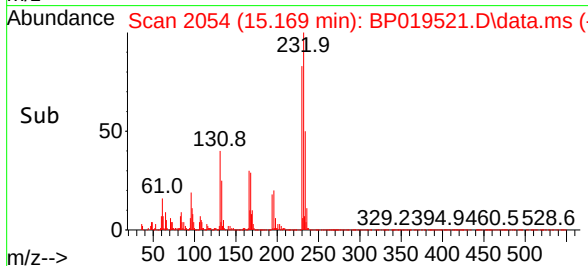
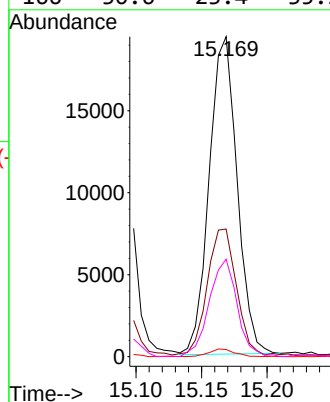
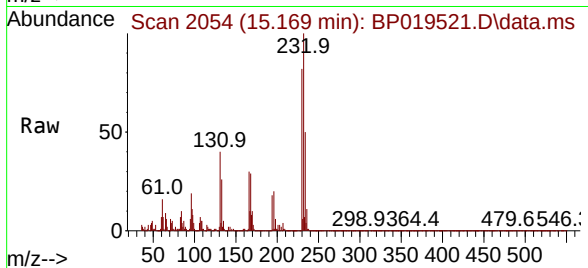
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.441 ng
RT: 15.169 min Scan# 2054
Delta R.T. 0.000 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:232	Resp:	2868
Ion Ratio	Lower	Upper
232	100	
131	41.9	32.4 48.6
130	2.3	1.9 2.9
166	30.6	23.4 35.2

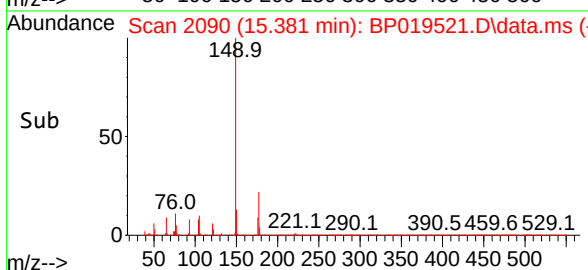
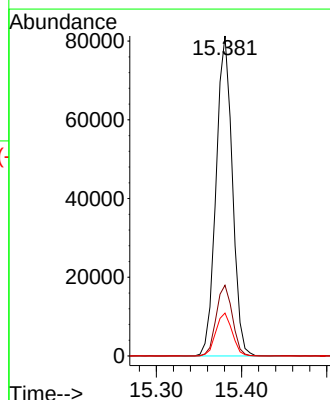
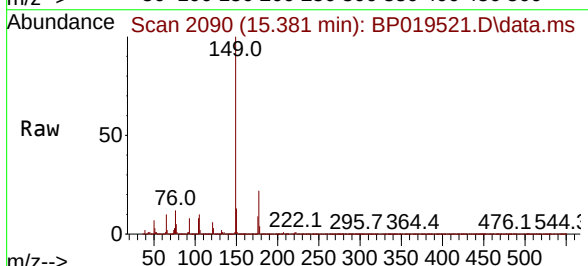
Manual Integrations
APPROVED

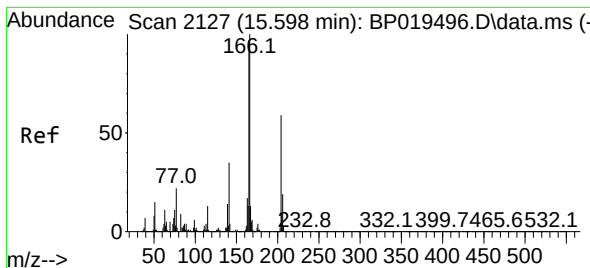
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#60
Diethylphthalate
Concen: 4.721 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

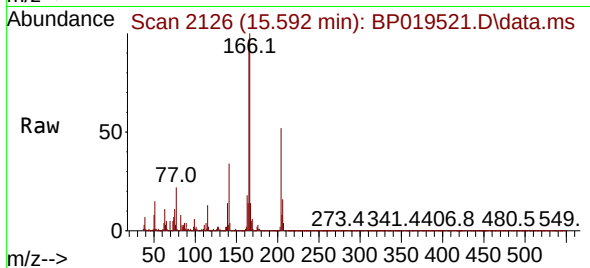
Tgt Ion:149	Resp:	107637
Ion Ratio	Lower	Upper
149	100	
177	22.1	18.2 27.2
150	13.4	10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 4.543 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

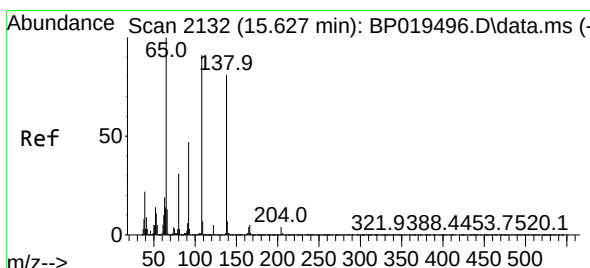
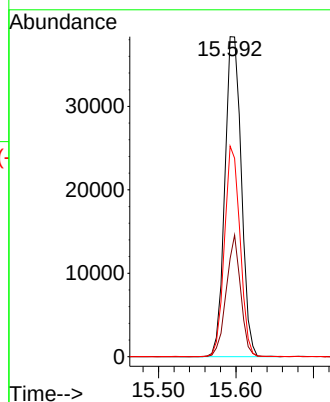
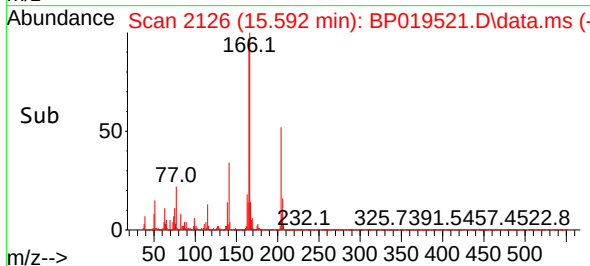
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



Tgt Ion:204 Resp: 56578
Ion Ratio Lower Upper
204 100
206 30.6 26.5 39.7
141 65.8 48.5 72.7

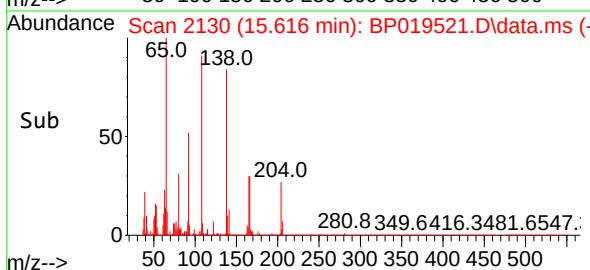
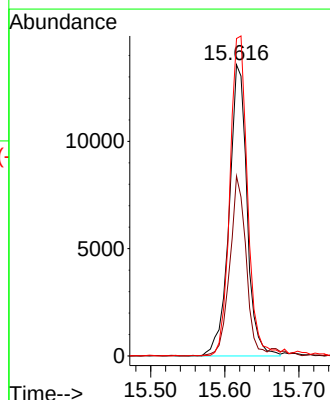
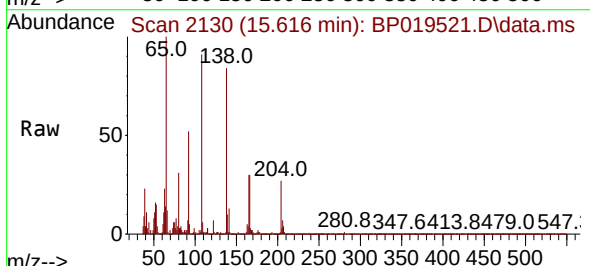
Manual Integrations
APPROVED

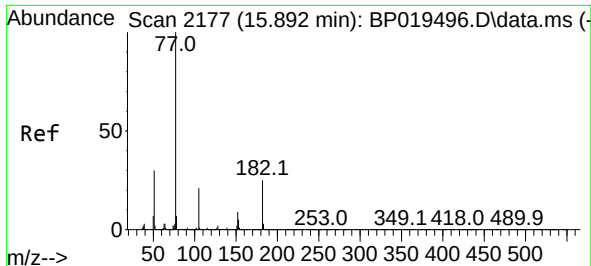
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#62
4-Nitroaniline
Concen: 4.672 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

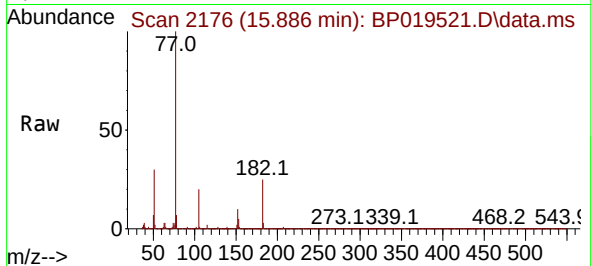
Tgt Ion:138 Resp: 22667
Ion Ratio Lower Upper
138 100
92 61.8 38.3 78.3
108 109.0 91.2 131.2





#63
Azobenzene
Concen: 4.610 ng
RT: 15.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

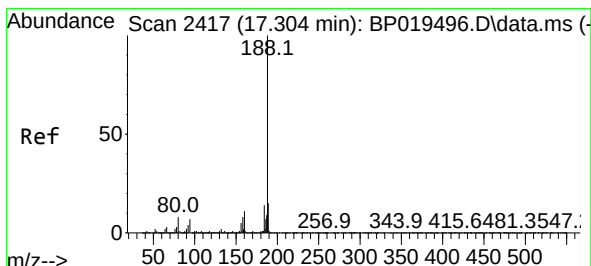
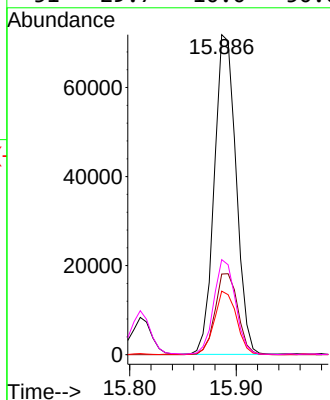
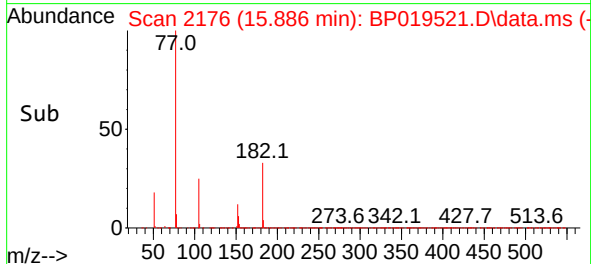
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2023



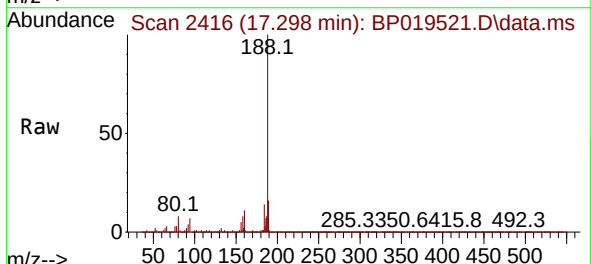
Tgt Ion:	77	Resp:	10164
Ion Ratio	100	Lower	Upper
77	100		
182	25.2	5.1	45.1
105	19.8	0.8	40.8
51	29.7	10.0	50.0

Manual Integrations
APPROVED

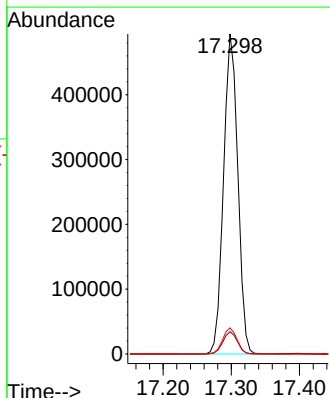
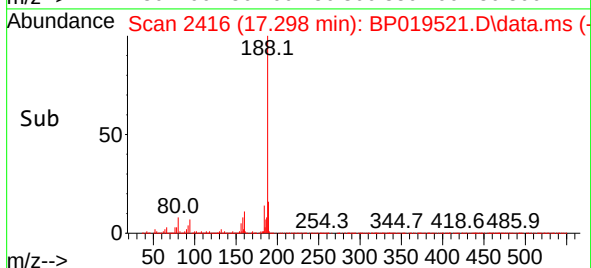
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

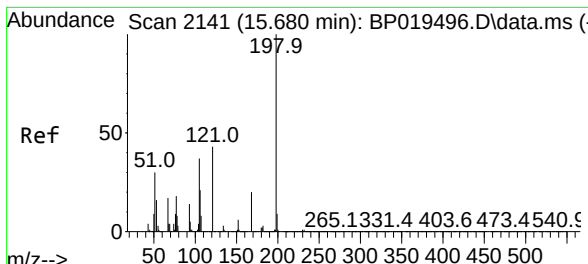


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56



Tgt Ion:	188	Resp:	717979
Ion Ratio	100	Lower	Upper
188	100		
94	7.0	5.4	8.2
80	8.1	6.3	9.5





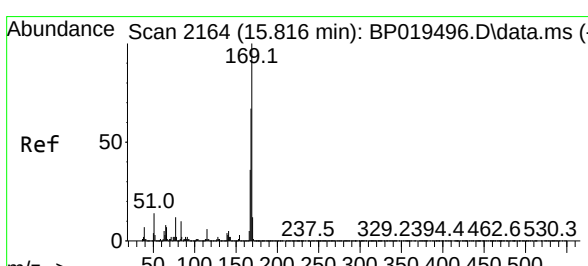
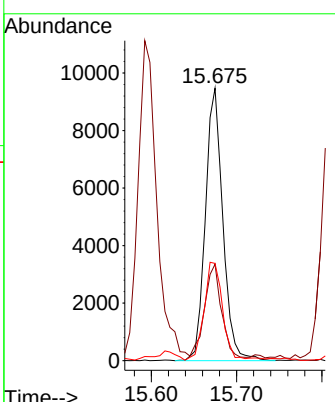
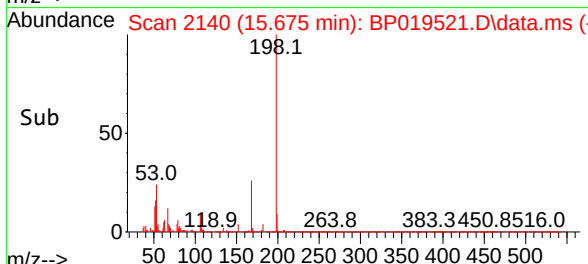
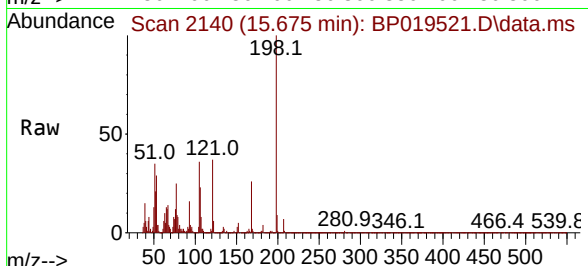
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.287 ng
 RT: 15.675 min Scan# 2140
 Delta R.T. -0.006 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

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

Tgt Ion:	198	Resp:	1345
Ion Ratio	Lower	Upper	
198	100		
51	35.4	21.2	61.2
105	35.7	19.1	59.1

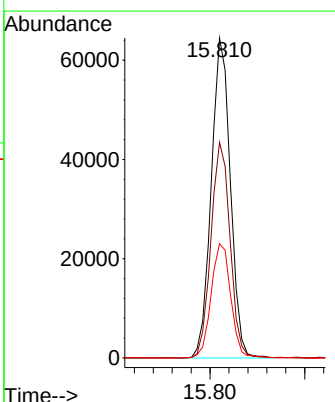
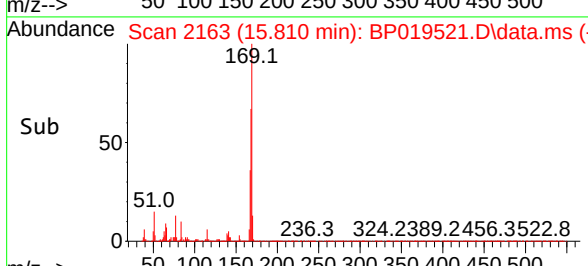
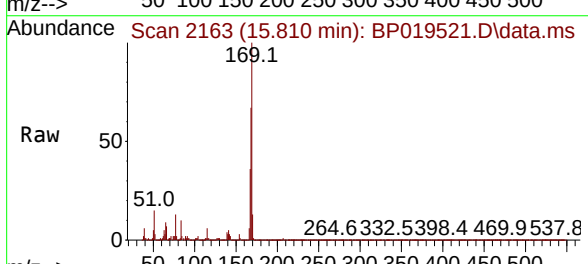
Manual Integrations
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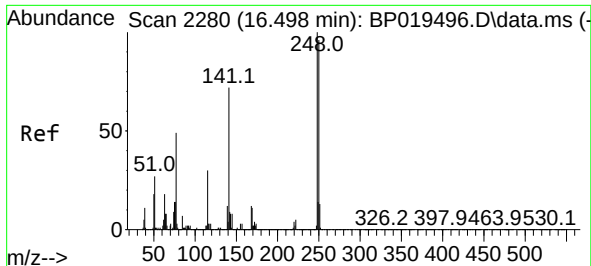
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#66
 n-Nitrosodiphenylamine
 Concen: 4.196 ng
 RT: 15.810 min Scan# 2163
 Delta R.T. -0.006 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

Tgt Ion:	169	Resp:	90226
Ion Ratio	Lower	Upper	
169	100		
168	67.4	53.4	80.2
167	35.7	28.9	43.3





#67

4-Bromophenyl-phenylether

Concen: 4.037 ng

RT: 16.492 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

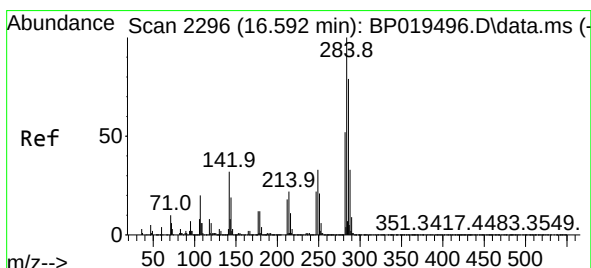
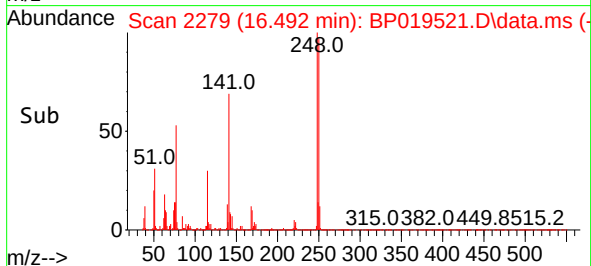
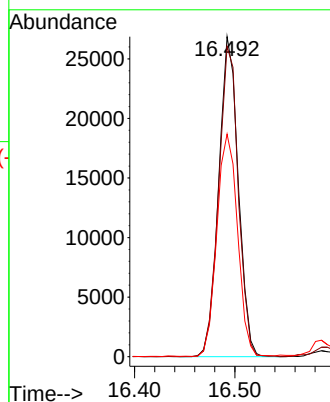
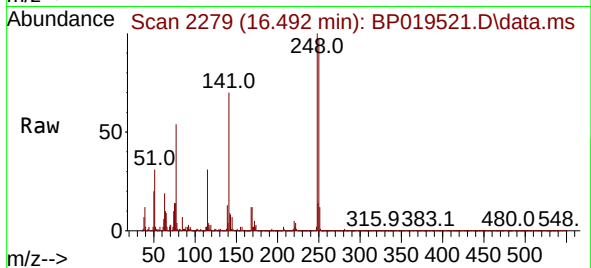
LOQ-SOIL-02-QT4-2023

Tgt Ion:248	Resp:	36238
Ion Ratio	Lower	Upper
248	100	
250	96.9	76.9 115.3
141	69.6	58.0 87.0

Manual Integrations

APPROVED

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



#68

Hexachlorobenzene

Concen: 4.137 ng

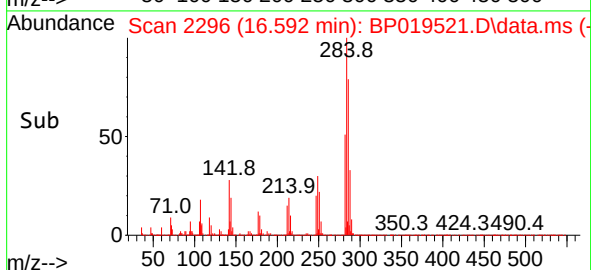
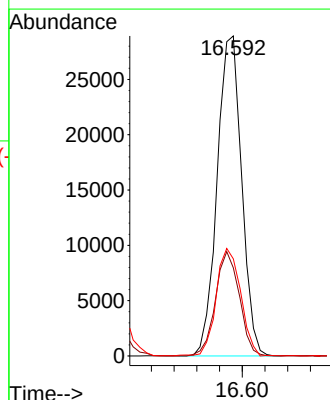
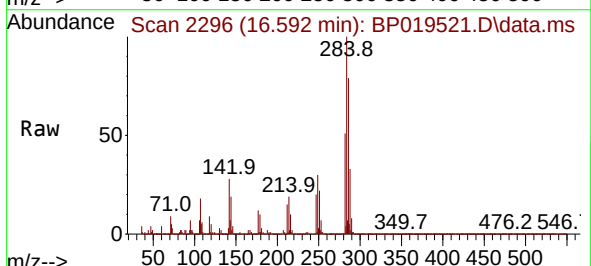
RT: 16.592 min Scan# 2296

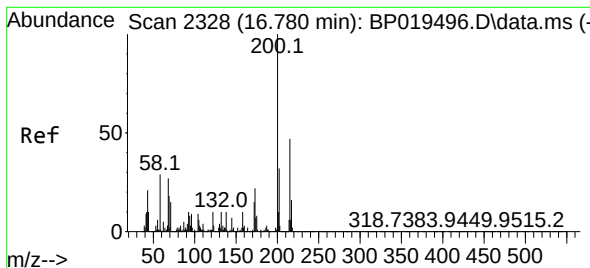
Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:284	Resp:	43360
Ion Ratio	Lower	Upper
284	100	
142	27.5	25.4 38.2
249	30.3	26.5 39.7





#69

Atrazine

Concen: 5.447 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

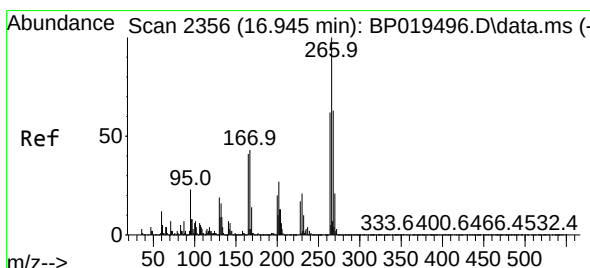
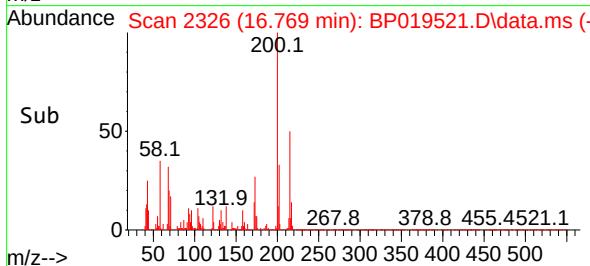
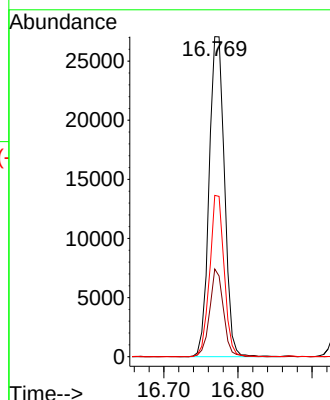
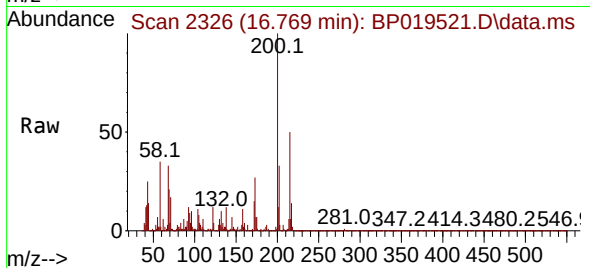
Tgt Ion:200 Resp: 3886

Ion	Ratio	Lower	Upper
200	100		
173	27.4	1.7	41.7
215	50.4	26.9	66.9

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 3.381 ng

RT: 16.939 min Scan# 2355

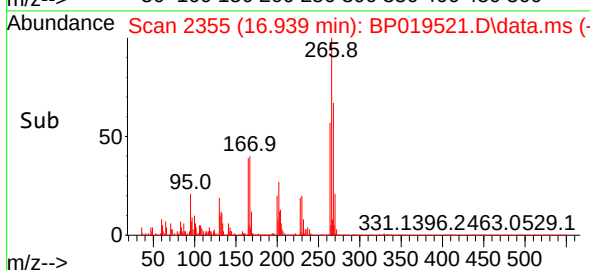
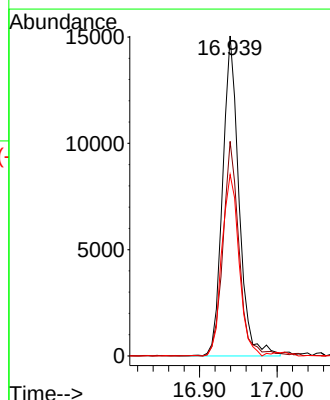
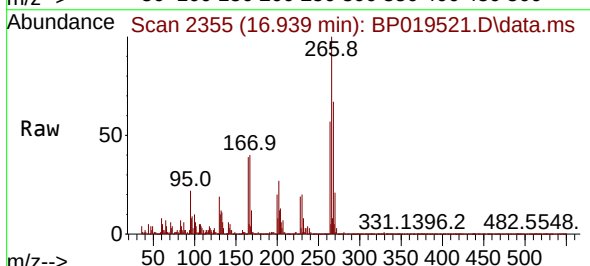
Delta R.T. -0.006 min

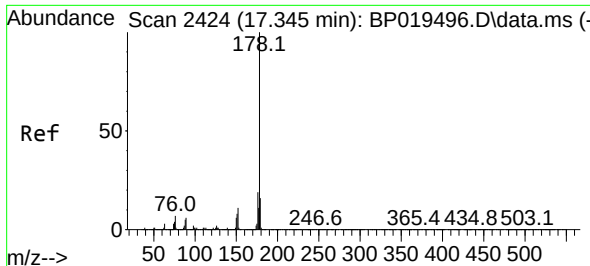
Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:266 Resp: 22068

Ion	Ratio	Lower	Upper
266	100		
268	67.0	50.3	75.5
264	56.7	49.7	74.5





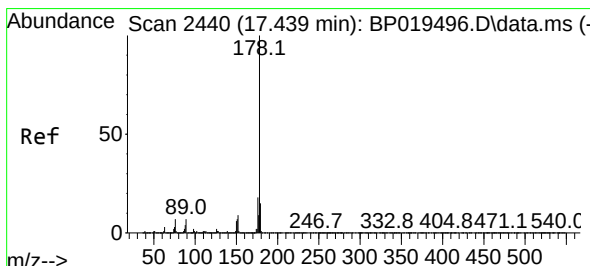
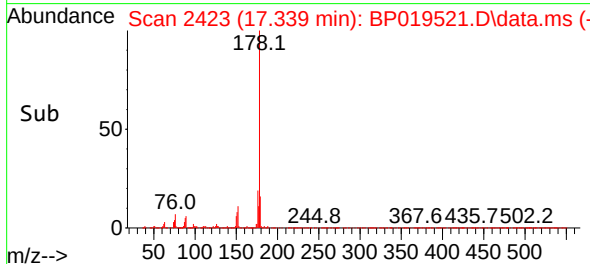
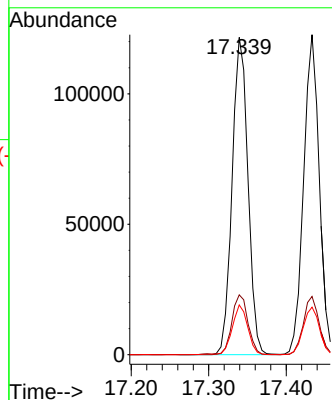
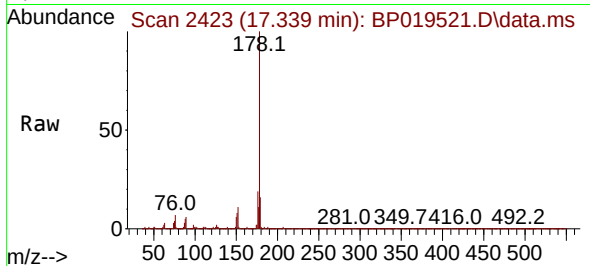
#71
Phenanthrene
Concen: 4.585 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:178 Resp: 173230
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.7 12.6 19.0

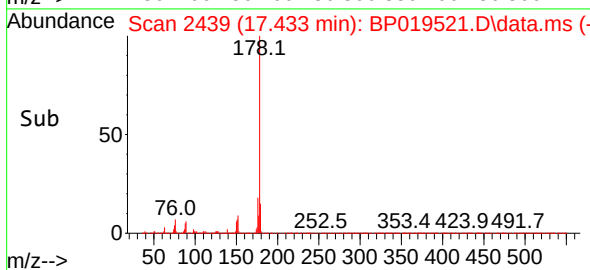
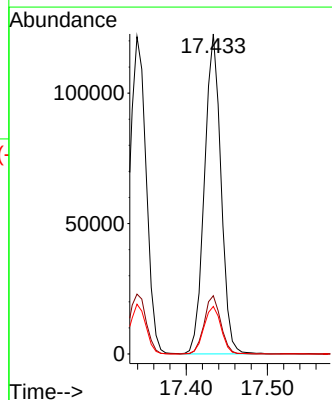
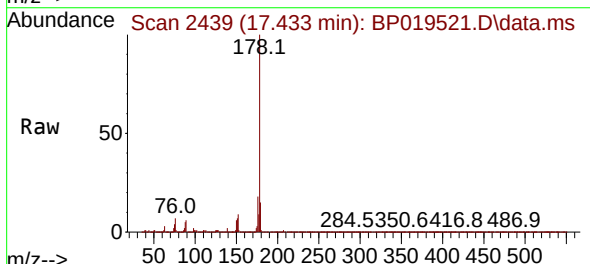
Manual Integrations
APPROVED

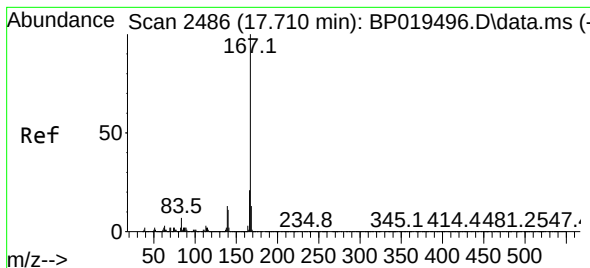
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#72
Anthracene
Concen: 4.584 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:178 Resp: 172794
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 14.8 12.2 18.2





#73

Carbazole

Concen: 4.469 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

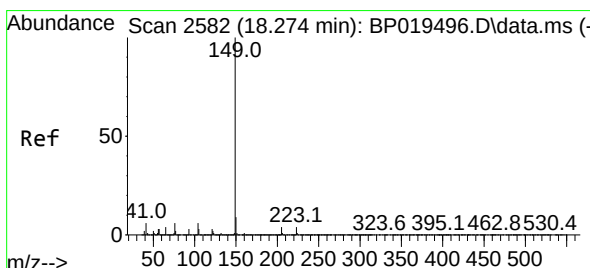
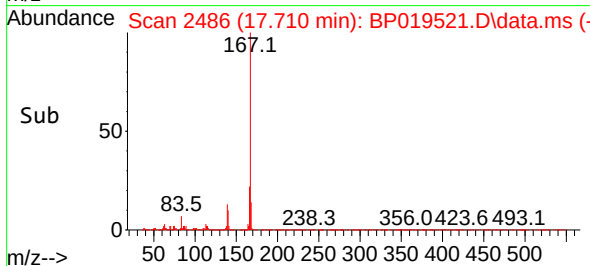
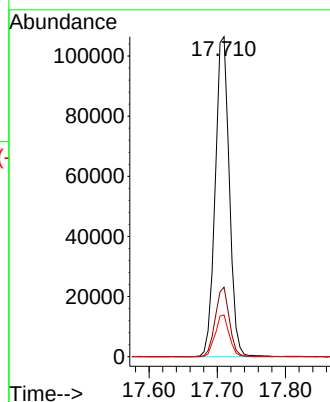
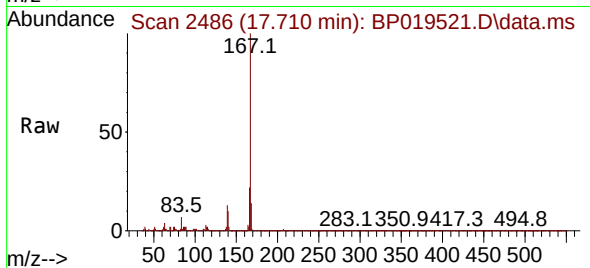
LOQ-SOIL-02-QT4-2023

Tgt Ion:	167	Resp:	153010
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.2	25.8
139	13.0	10.6	15.8

Manual Integrations

APPROVED

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



#74

Di-n-butylphthalate

Concen: 4.389 ng

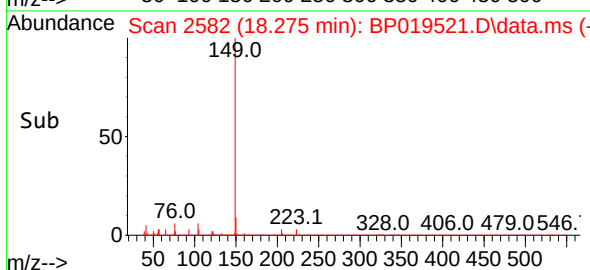
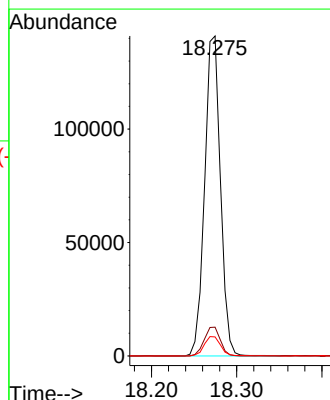
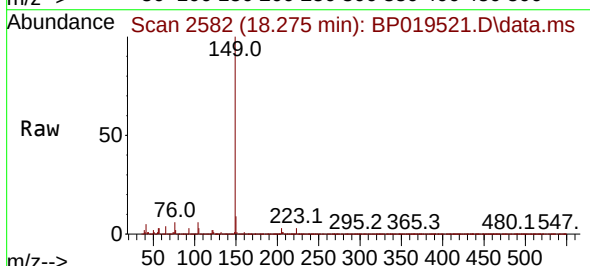
RT: 18.275 min Scan# 2582

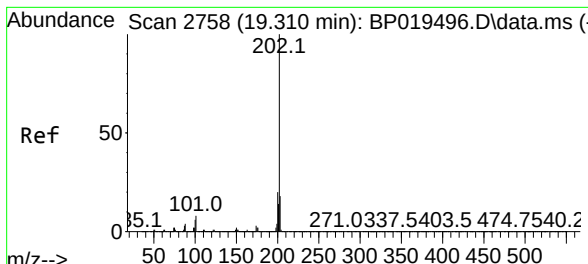
Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:	149	Resp:	181712
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.3	10.9
104	6.0	4.8	7.2



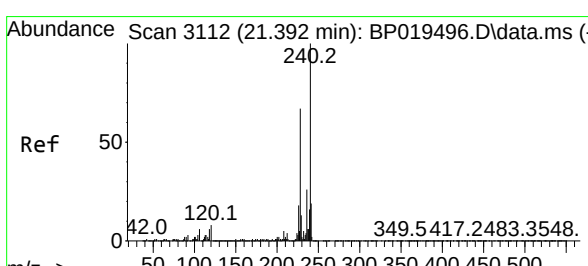
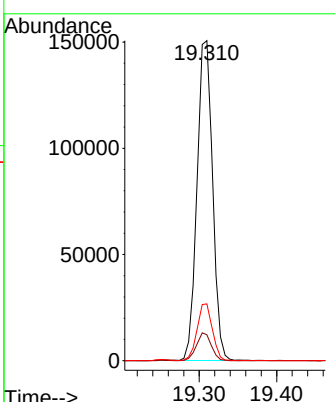
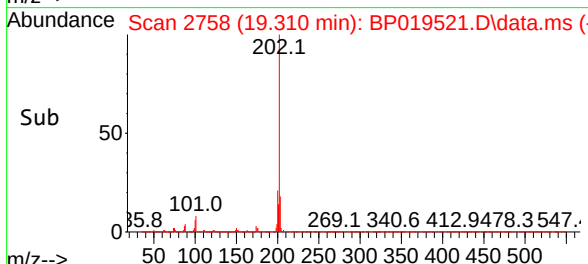
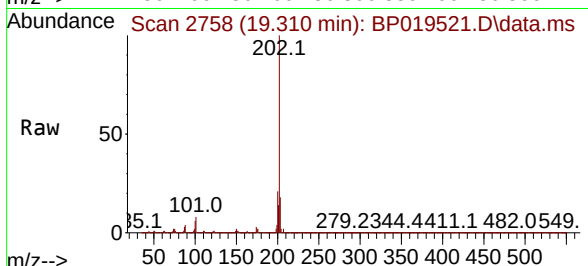


#75
 Fluoranthene
 Concen: 4.557 ng
 RT: 19.310 min Scan# 210330
 Delta R.T. 0.000 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

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

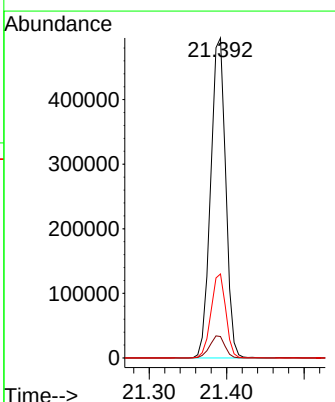
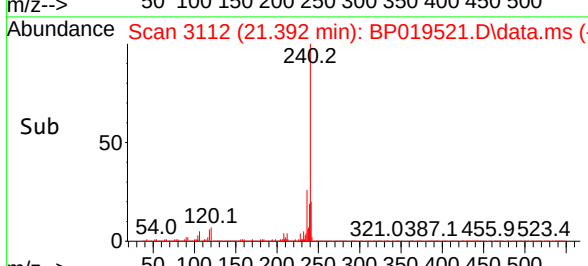
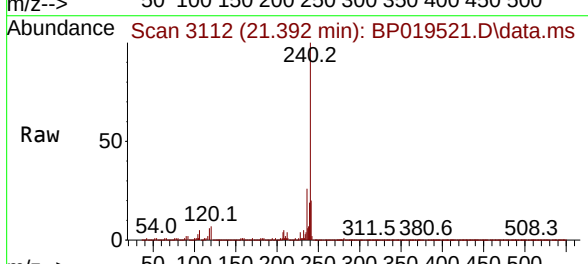
Tgt Ion:	202	Resp:	210330
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	27.7
203	17.8	0.0	37.5

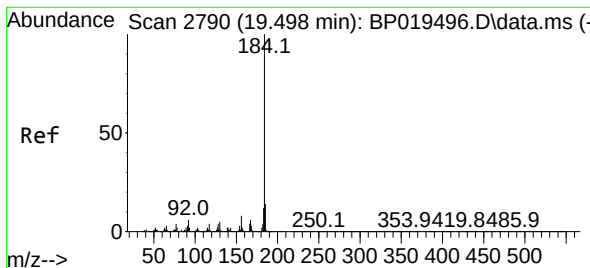
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BP019521.D
 Acq: 02 Feb 2024 10:56

Tgt Ion:	240	Resp:	666910
Ion Ratio	Lower	Upper	
240	100		
120	6.7	6.1	9.1
236	26.3	20.7	31.1





#77

Benzidine

Concen: 5.886 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

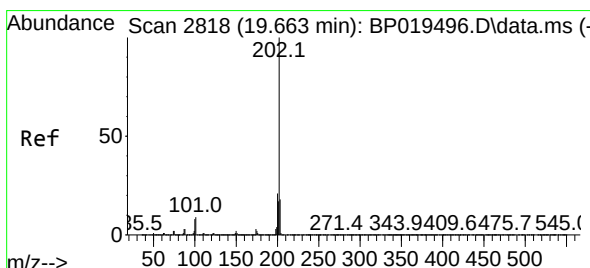
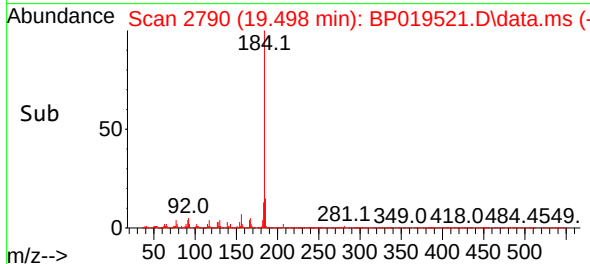
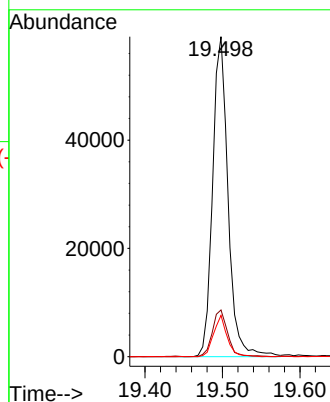
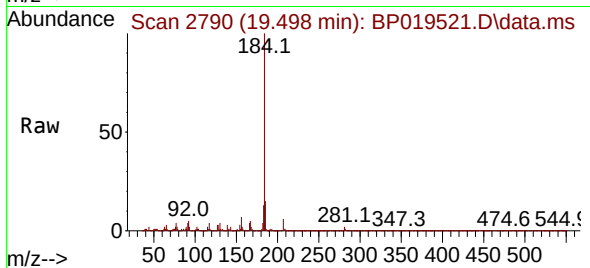
LOQ-SOIL-02-QT4-2023

Tgt Ion:	184	Resp:	8206
Ion Ratio	Lower	Upper	
184	100		
185	14.6	11.1	16.7
183	12.9	9.7	14.5

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 4.617 ng

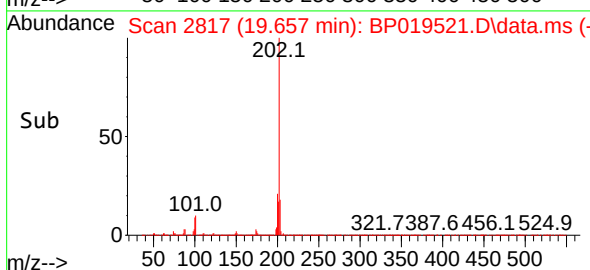
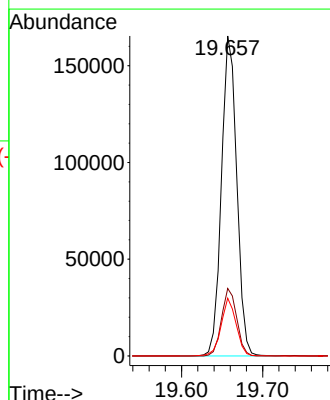
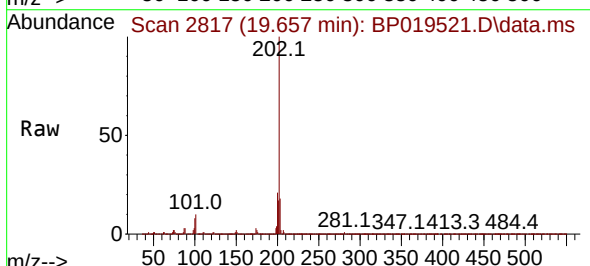
RT: 19.657 min Scan# 2817

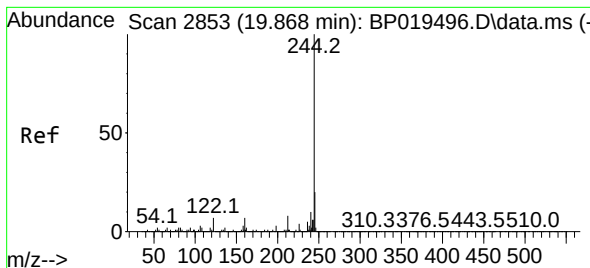
Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:	202	Resp:	217323
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.9	25.3
203	18.0	14.2	21.2





#79

Terphenyl-d14

Concen: 95.373 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2023

Tgt Ion:244 Resp: 386766

Ion Ratio Lower Upper

244 100

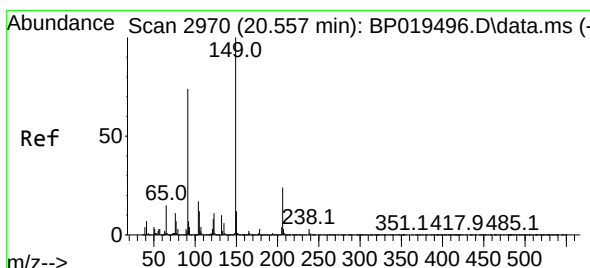
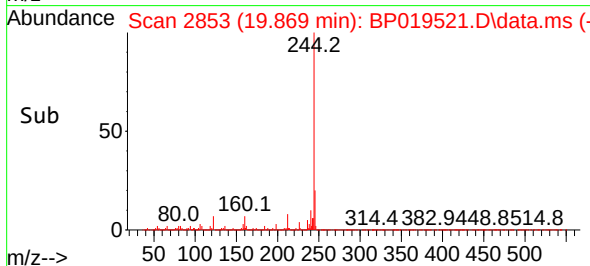
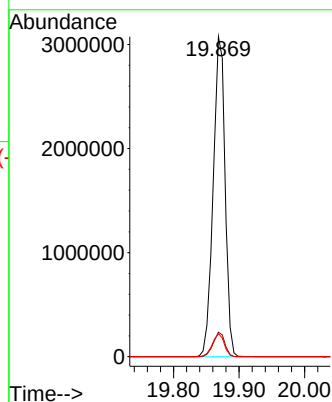
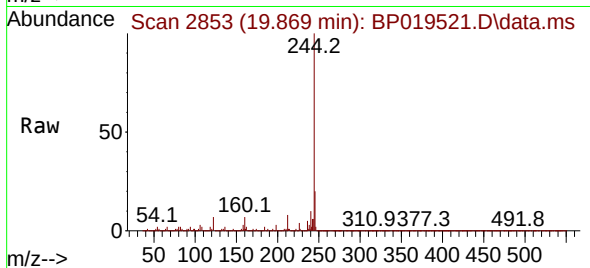
212 7.6 6.1 9.1

122 7.2 5.9 8.9

Manual Integrations

APPROVED

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



#80

Butylbenzylphthalate

Concen: 4.156 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

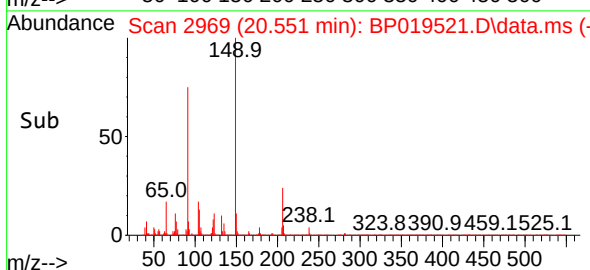
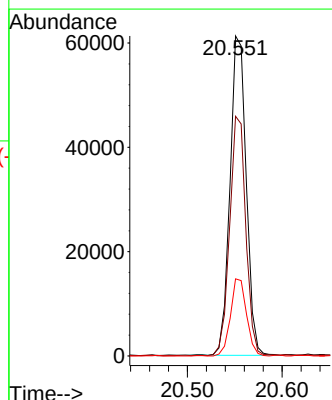
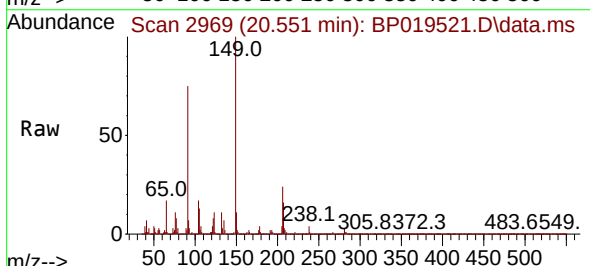
Tgt Ion:149 Resp: 73050

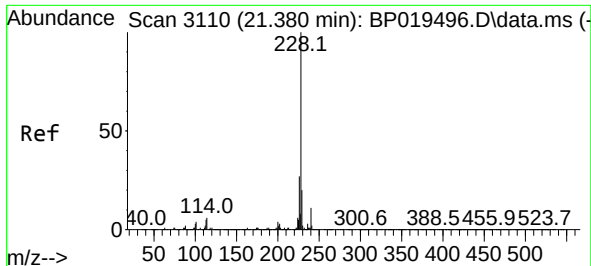
Ion Ratio Lower Upper

149 100

91 74.9 59.4 89.0

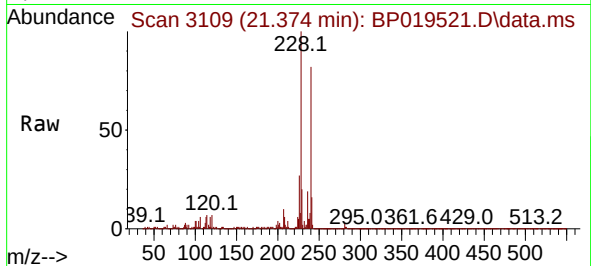
206 24.1 19.0 28.6





#81
Benzo(a)anthracene
Concen: 4.443 ng
RT: 21.374 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

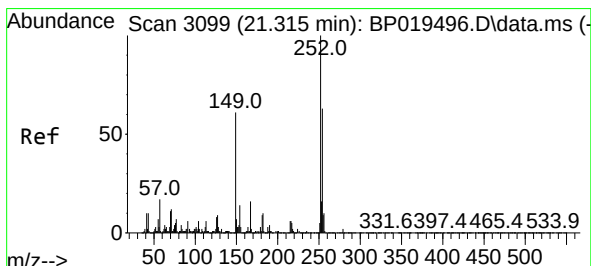
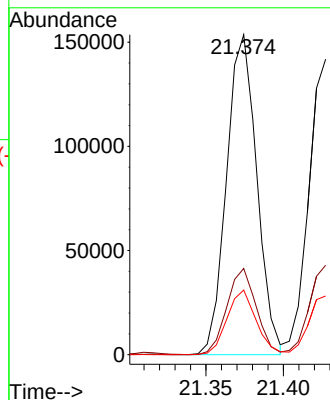
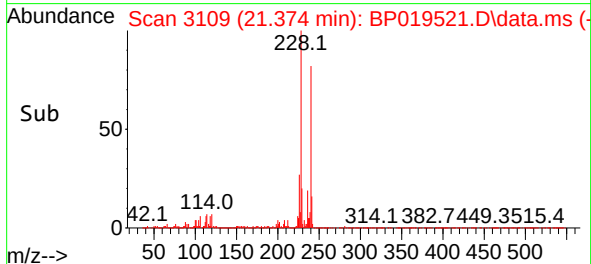
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT4-2023



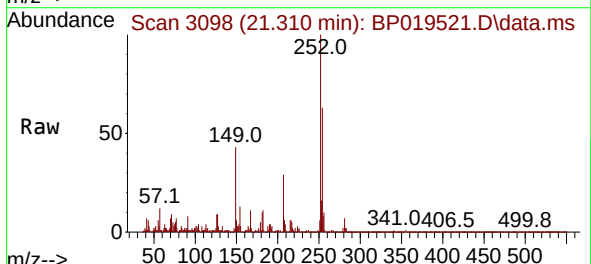
Tgt Ion:228 Resp: 208569
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.2 15.6 23.4

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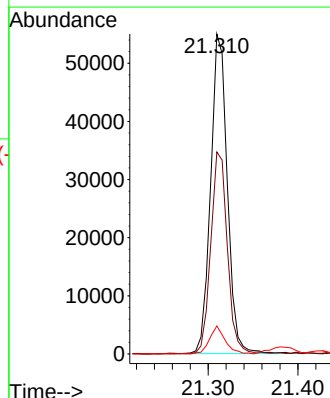
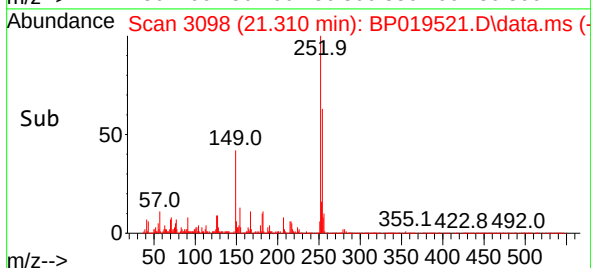
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

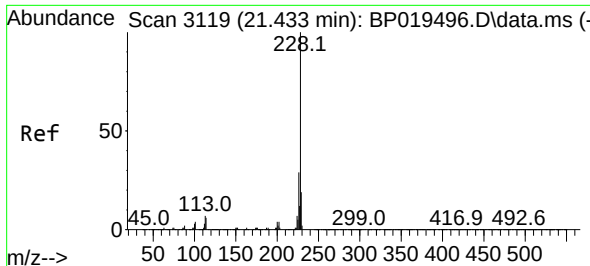


#82
3,3'-Dichlorobenzidine
Concen: 4.146 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56



Tgt Ion:252 Resp: 70930
Ion Ratio Lower Upper
252 100
254 63.1 50.7 76.1
126 8.7 6.4 9.6





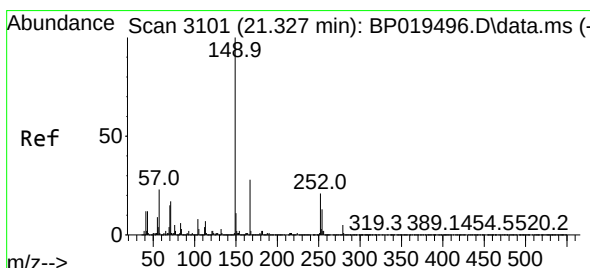
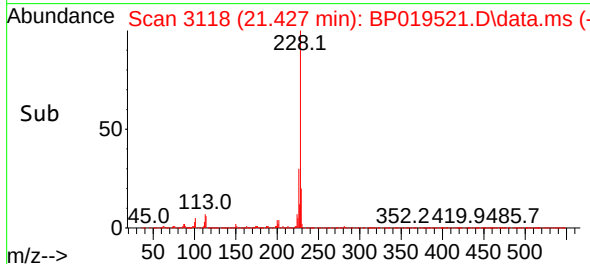
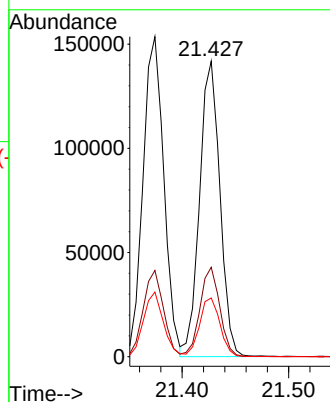
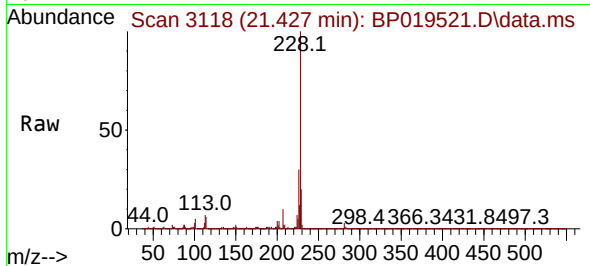
#83
Chrysene
Concen: 4.233 ng
RT: 21.427 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:228 Resp: 188660
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 19.9 15.6 23.4

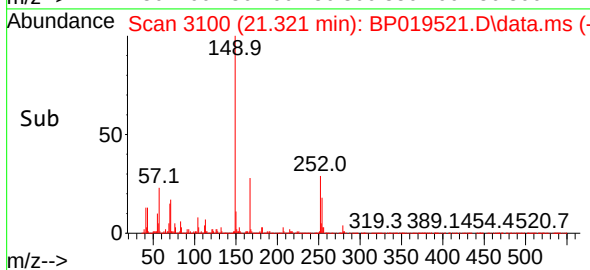
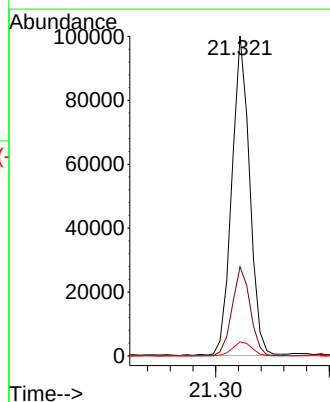
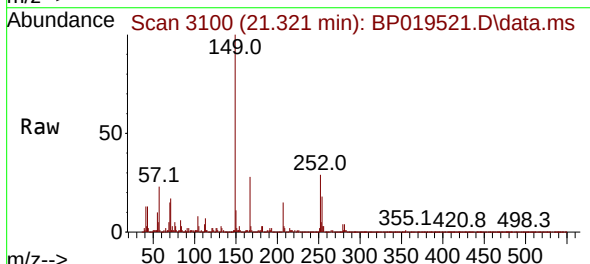
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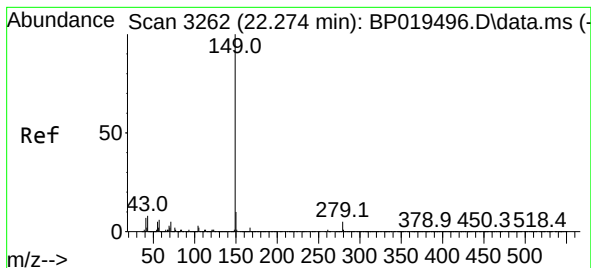
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.065 ng
RT: 21.321 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:149 Resp: 108795
Ion Ratio Lower Upper
149 100
167 27.9 22.7 34.1
279 4.4 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 3.350 ng

RT: 22.268 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

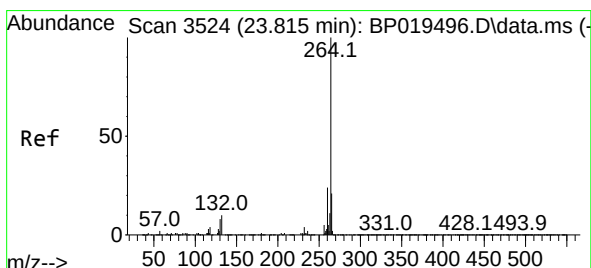
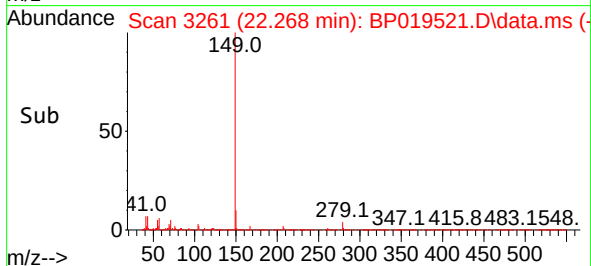
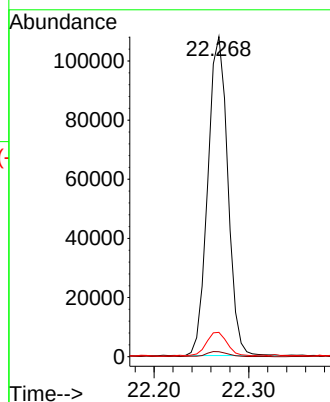
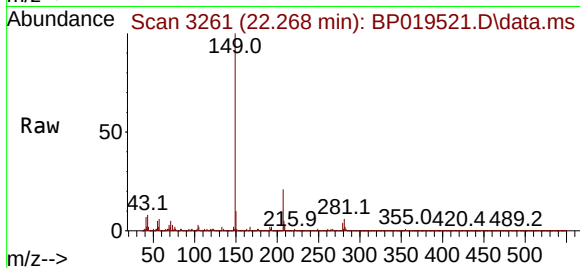
LOQ-SOIL-02-QT4-2023

Tgt Ion:	149	Resp:	157744
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	7.9	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

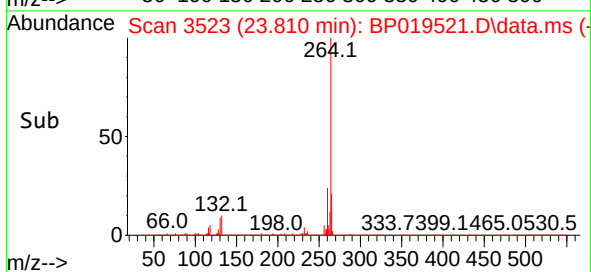
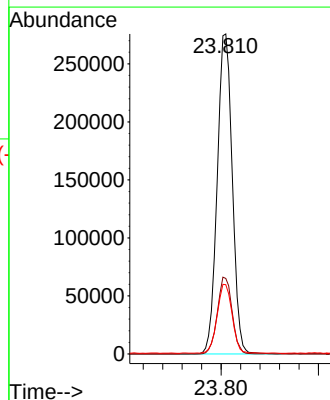
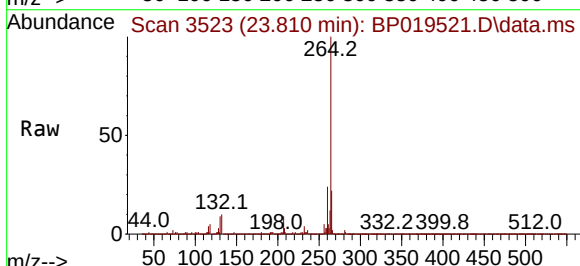
RT: 23.810 min Scan# 3523

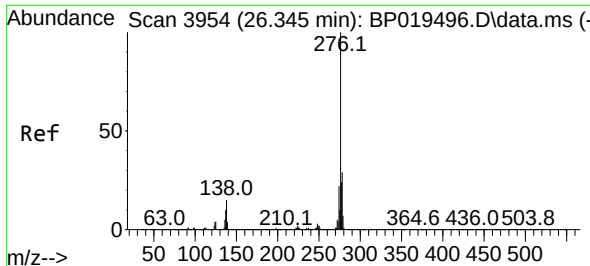
Delta R.T. -0.006 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:	264	Resp:	590541
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.6	17.0	25.4





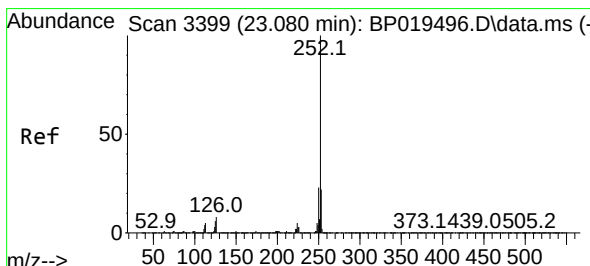
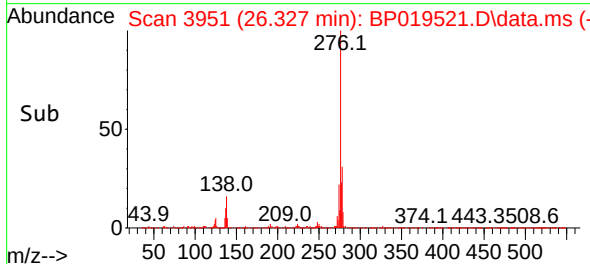
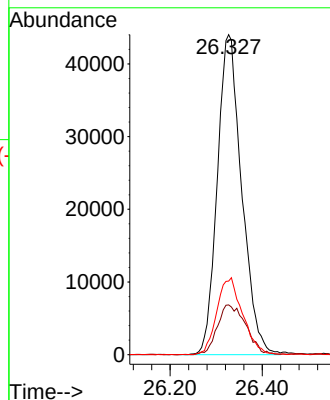
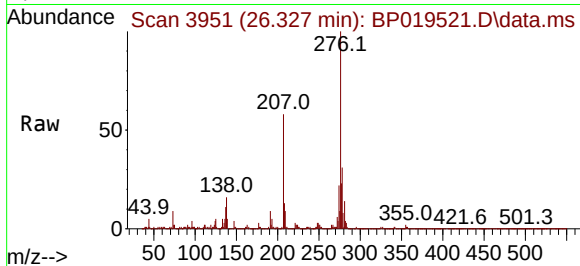
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.577 ng
RT: 26.327 min Scan# 3951
Delta R.T. -0.017 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:276 Resp: 161715
Ion Ratio Lower Upper
276 100
138 18.2 13.1 19.7
277 25.4 20.3 30.5

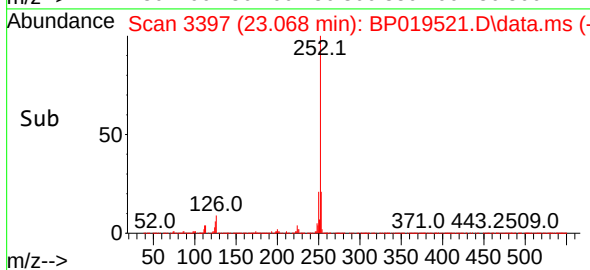
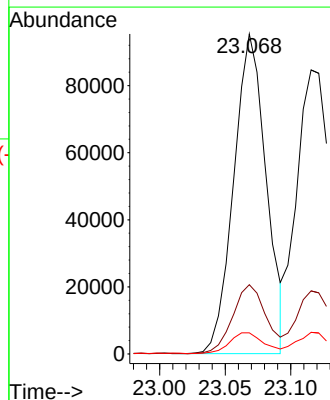
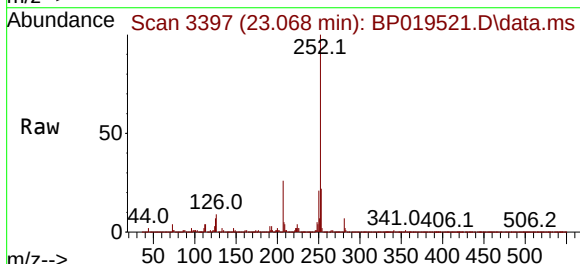
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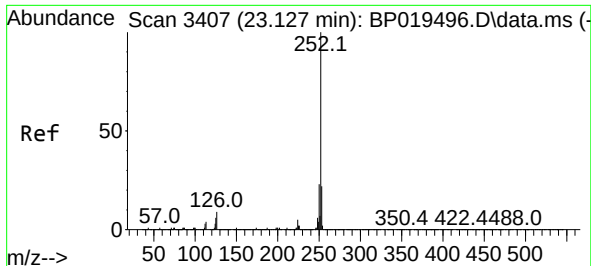
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#88
Benzo(b)fluoranthene
Concen: 4.408 ng
RT: 23.068 min Scan# 3397
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:252 Resp: 164044
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 6.6 4.9 7.3





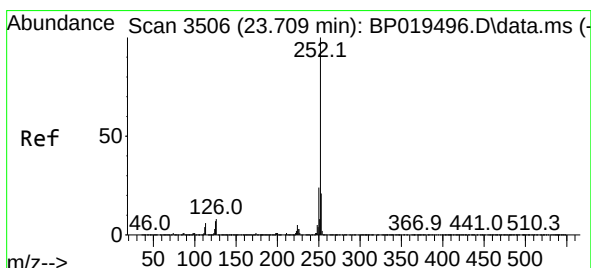
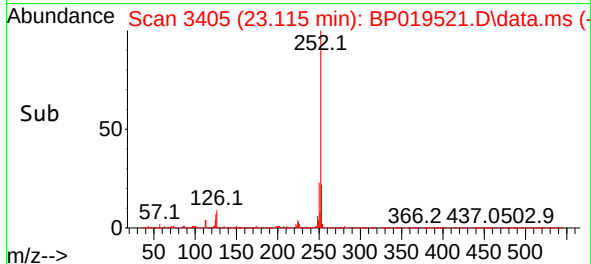
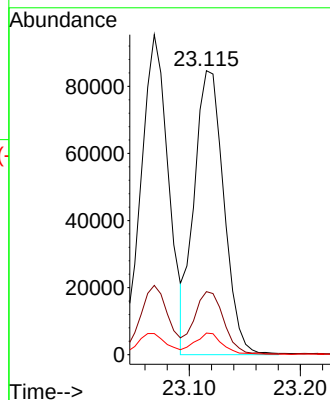
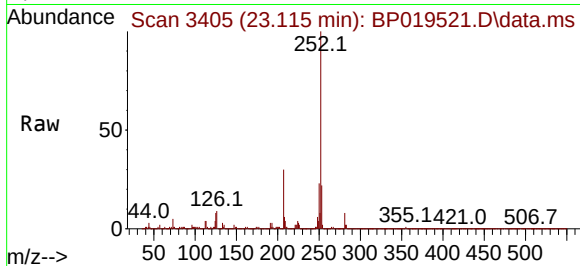
#89
Benzo(k)fluoranthene
Concen: 4.428 ng m
RT: 23.115 min Scan# 3405
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

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

Tgt Ion:252 Resp: 157420
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 7.6 5.0 7.6

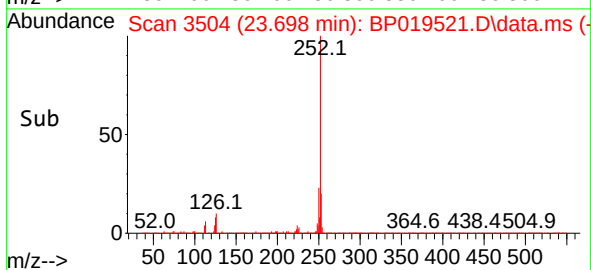
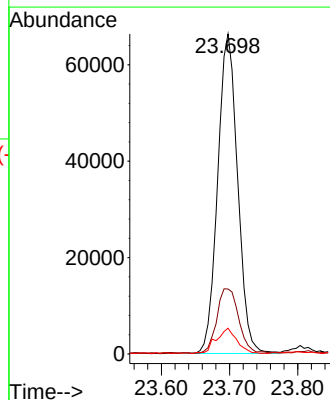
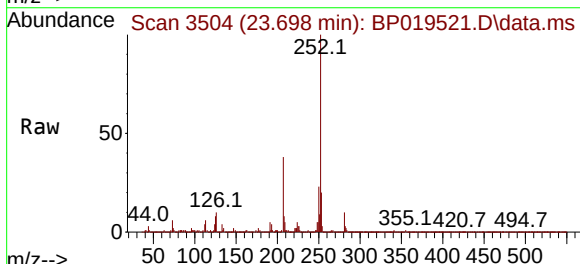
Manual Integrations
APPROVED

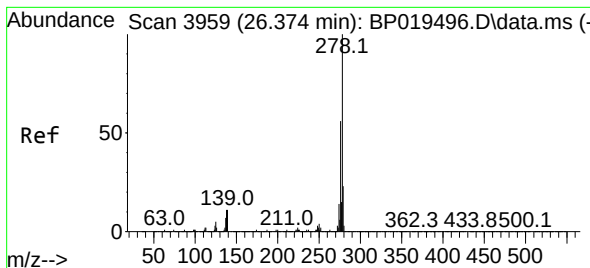
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#90
Benzo(a)pyrene
Concen: 4.076 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.012 min
Lab File: BP019521.D
Acq: 02 Feb 2024 10:56

Tgt Ion:252 Resp: 134983
Ion Ratio Lower Upper
252 100
253 20.3 17.1 25.7
125 8.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.680 ng

RT: 26.356 min Scan# 3956

Delta R.T. -0.017 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Instrument :

BNA_P

ClientSampleId :

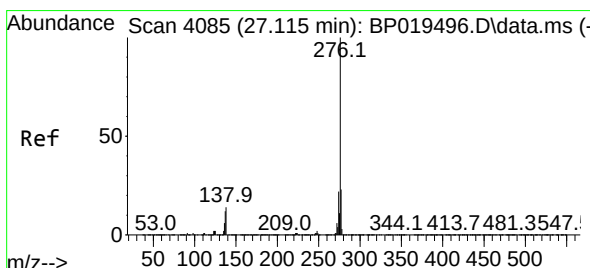
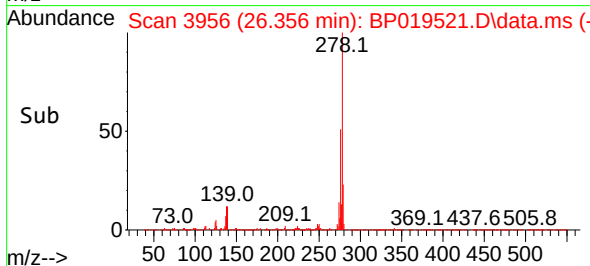
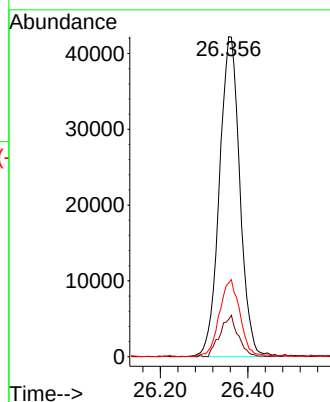
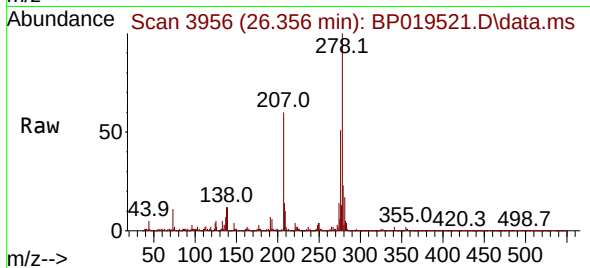
LOQ-SOIL-02-QT4-2023

Tgt Ion:	278	Resp:	13681
Ion Ratio	Lower	Upper	
278	100		
139	11.7	8.6	12.8
279	23.1	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: 3.447 ng

RT: 27.103 min Scan# 4083

Delta R.T. -0.012 min

Lab File: BP019521.D

Acq: 02 Feb 2024 10:56

Tgt Ion:	276	Resp:	130017
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.6	28.0
138	13.6	10.9	16.3

