

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019527.D
 Acq On : 02 Feb 2024 14:30
 Operator : MA/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Feb 02 14:57:14 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	69862	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	289431	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	196900	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	403517	20.000	ng	0.00
76) Chrysene-d12	21.386	240	294872	20.000	ng	0.00
86) Perylene-d12	23.804	264	359891	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	612049	141.218	ng	0.00
7) Phenol-d6	7.081	99	837702	143.346	ng	0.00
23) Nitrobenzene-d5	9.081	82	553423	82.854	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	414531	144.191	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1294600	81.281	ng	0.00
79) Terphenyl-d14	19.863	244	1662249	92.706	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	20335	12.178	ng	95
3) Pyridine	3.787	79	45114	9.965	ng	99
4) n-Nitrosodimethylamine	3.711	42	21596	10.957	ng	98
6) Aniline	7.246	93	75523	13.300	ng	97
8) 2-Chlorophenol	7.475	128	47987	10.784	ng	97
9) Benzaldehyde	7.058	77	50795	12.397	ng	96
10) Phenol	7.105	94	64626	11.096	ng	93
11) bis(2-Chloroethyl)ether	7.346	93	50537	11.153	ng	95
12) 1,3-Dichlorobenzene	7.799	146	56892	10.449	ng	97
13) 1,4-Dichlorobenzene	7.946	146	58265	10.562	ng	99
14) 1,2-Dichlorobenzene	8.257	146	55845	10.463	ng	98
15) Benzyl Alcohol	8.157	79	56071	12.008	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.457	45	52707	11.632	ng	97
17) 2-Methylphenol	8.357	107	43617	11.123	ng	99
18) Hexachloroethane	8.981	117	22550	10.547	ng	88
19) n-Nitroso-di-n-propyla...	8.728	70	46306	11.601	ng	98
20) 3+4-Methylphenols	8.687	107	59613	11.139	ng	95
22) Acetophenone	8.740	105	88314	10.711	ng	# 97
24) Nitrobenzene	9.122	77	69644m	10.356	ng	
25) Isophorone	9.646	82	126717	10.893	ng	97
26) 2-Nitrophenol	9.828	139	24792	9.668	ng	100
27) 2,4-Dimethylphenol	9.887	122	41068	12.525	ng	98
28) bis(2-Chloroethoxy)met...	10.140	93	70685	10.740	ng	99
29) 2,4-Dichlorophenol	10.357	162	50915	10.272	ng	95
30) 1,2,4-Trichlorobenzene	10.575	180	59857	9.849	ng	100
31) Naphthalene	10.763	128	163540	10.302	ng	98
32) Benzoic acid	9.969	122	29069m	9.099	ng	
33) 4-Chloroaniline	10.881	127	68174	11.613	ng	98
34) Hexachlorobutadiene	11.034	225	43311	9.617	ng	96
35) Caprolactam	11.651	113	15991	11.396	ng	97
36) 4-Chloro-3-methylphenol	11.998	107	58982	10.913	ng	97
37) 2-Methylnaphthalene	12.369	142	116603	10.614	ng	97
38) 1-Methylnaphthalene	12.587	142	115933	10.739	ng	98
40) 1,2,4,5-Tetrachloroben...	12.734	216	76116	10.024	ng	100
41) Hexachlorocyclopentadiene	12.704	237	40102	11.690	ng	98
43) 2,4,6-Trichlorophenol	12.975	196	45301	9.852	ng	95

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Instrument :
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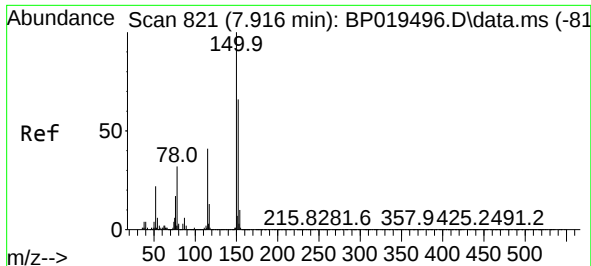
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	49887	9.880	ng	98
46) 1,1'-Biphenyl	13.381	154	164167	10.446	ng	100
47) 2-Chloronaphthalene	13.422	162	127994	9.922	ng	99
48) 2-Nitroaniline	13.634	65	36001	9.980	ng	94
49) Acenaphthylene	14.263	152	204925	11.323	ng	99
50) Dimethylphthalate	14.010	163	159469	10.580	ng	99
51) 2,6-Dinitrotoluene	14.134	165	32068	9.683	ng	99
52) Acenaphthene	14.604	154	115010	10.239	ng	100
53) 3-Nitroaniline	14.457	138	31233	10.262	ng	96
54) 2,4-Dinitrophenol	14.663	184	13741	7.991	ng	95
55) Dibenzofuran	14.945	168	193216	10.561	ng	97
56) 4-Nitrophenol	14.757	139	22984	9.214	ng	98
57) 2,4-Dinitrotoluene	14.916	165	40569	9.348	ng	99
58) Fluorene	15.592	166	152048	10.434	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.163	232	44458	10.468	ng	98
60) Diethylphthalate	15.381	149	152703	10.185	ng	99
61) 4-Chlorophenyl-phenyle...	15.592	204	84510	10.319	ng	100
62) 4-Nitroaniline	15.616	138	29469	9.238	ng	98
63) Azobenzene	15.886	77	147908	10.202	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	19209	8.349	ng	93
66) n-Nitrosodiphenylamine	15.810	169	130624	10.809	ng	99
67) 4-Bromophenyl-phenylether	16.492	248	51992	10.307	ng	98
68) Hexachlorobenzene	16.586	284	58815	9.984	ng	99
69) Atrazine	16.769	200	46496	11.594	ng	97
70) Pentachlorophenol	16.939	266	29989	8.175	ng	95
71) Phenanthrene	17.339	178	226705	10.676	ng	99
72) Anthracene	17.433	178	226246	10.680	ng	99
73) Carbazole	17.704	167	190171	9.882	ng	99
74) Di-n-butylphthalate	18.275	149	206319	8.867	ng	100
75) Fluoranthene	19.304	202	238442	9.191	ng	99
77) Benzidine	19.498	184	108127	17.539	ng	98
78) Pyrene	19.657	202	244725	11.760	ng	99
80) Butylbenzylphthalate	20.551	149	70057	9.014	ng	100
81) Benzo(a)anthracene	21.374	228	217889	10.497	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	80332	10.621	ng	99
83) Chrysene	21.421	228	202168	10.259	ng	100
84) Bis(2-ethylhexyl)phtha...	21.322	149	102091	8.627	ng	98
85) Di-n-octyl phthalate	22.263	149	168263	8.081	ng	100
87) Indeno(1,2,3-cd)pyrene	26.327	276	303282	11.009	ng	99
88) Benzo(b)fluoranthene	23.068	252	225497	9.942	ng	98
89) Benzo(k)fluoranthene	23.116	252	209269	9.658	ng	99
90) Benzo(a)pyrene	23.698	252	202040	10.011	ng	99
91) Dibenzo(a,h)anthracene	26.357	278	252712	11.154	ng	98
92) Benzo(g,h,i)perylene	27.098	276	249099	10.837	ng	99

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



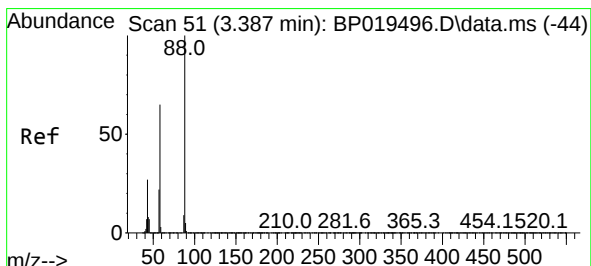
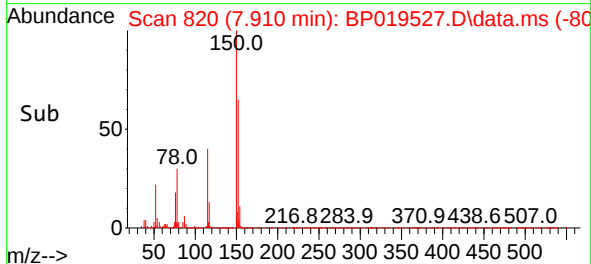
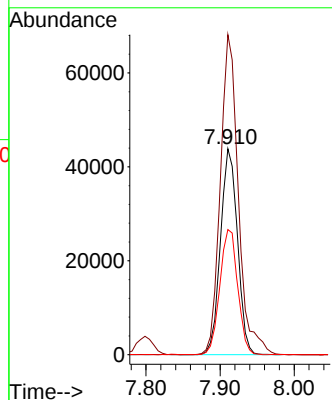
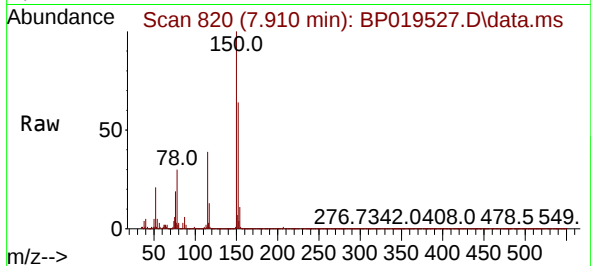
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:152 Resp: 69862
Ion Ratio Lower Upper
152 100
150 155.4 121.8 182.8
115 60.8 49.9 74.9

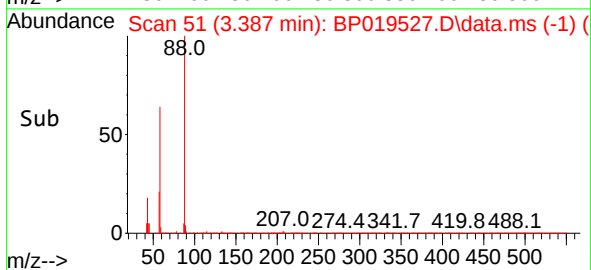
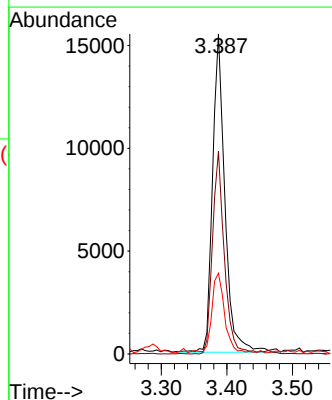
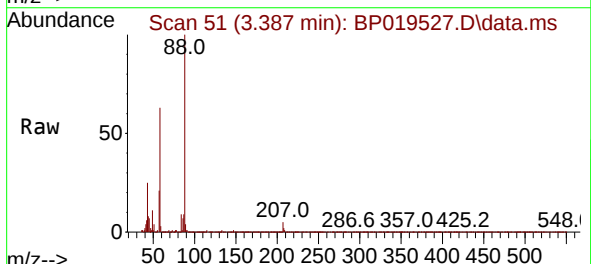
Manual Integrations
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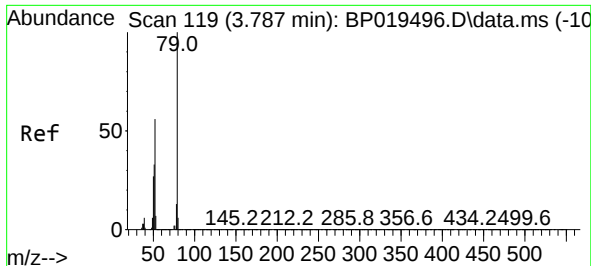
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#2
1,4-Dioxane
Concen: 12.178 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 88 Resp: 20335
Ion Ratio Lower Upper
88 100
58 61.2 52.6 78.8
43 25.0 21.9 32.9





#3

Pyridine

Concen: 9.965 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

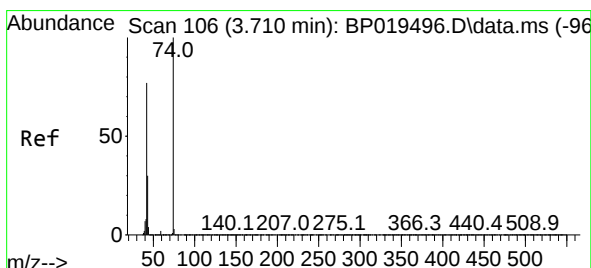
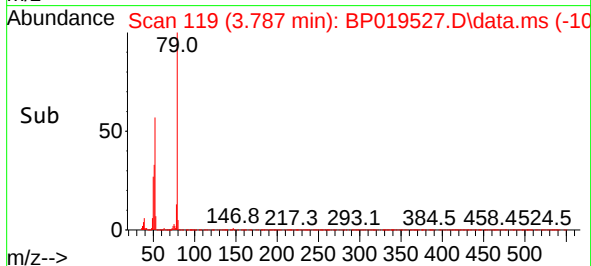
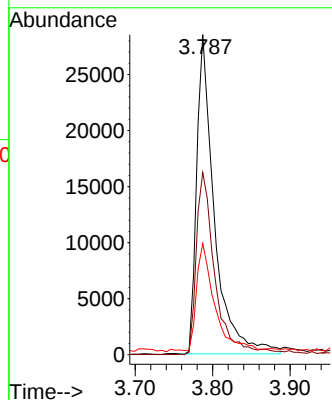
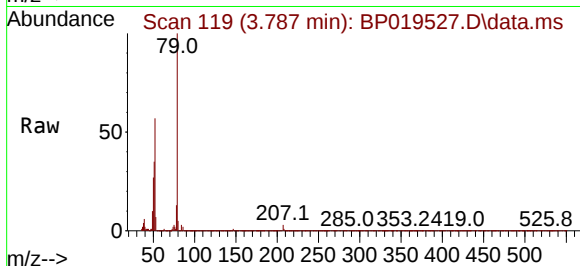
LOQ-SOIL-02-QT1-2024

Tgt Ion:	79	Resp:	45114
Ion	Ratio	Lower	Upper
79	100		
52	56.9	45.0	67.6
51	34.8	26.8	40.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/05/2024
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#4

n-Nitrosodimethylamine

Concen: 10.957 ng

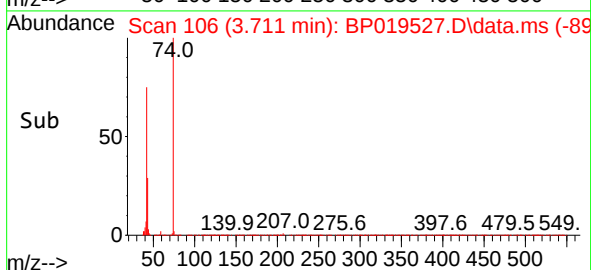
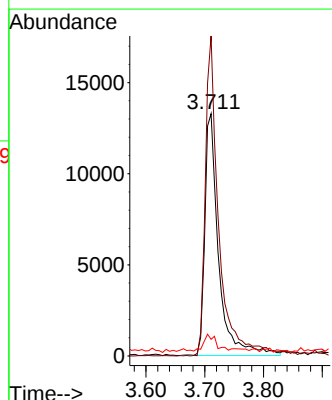
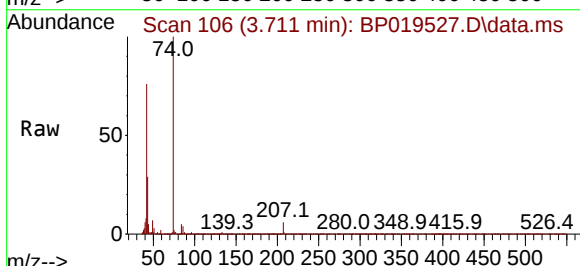
RT: 3.711 min Scan# 106

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:	42	Resp:	21596
Ion	Ratio	Lower	Upper
42	100		
74	132.1	103.4	155.2
44	6.9	4.8	7.2





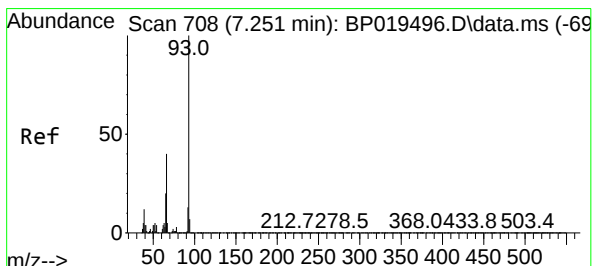
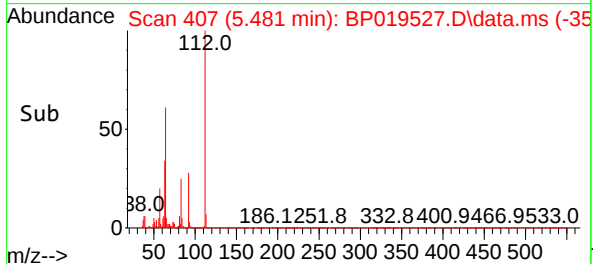
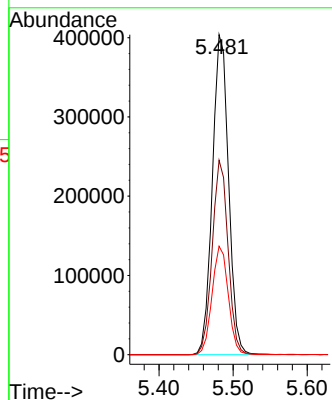
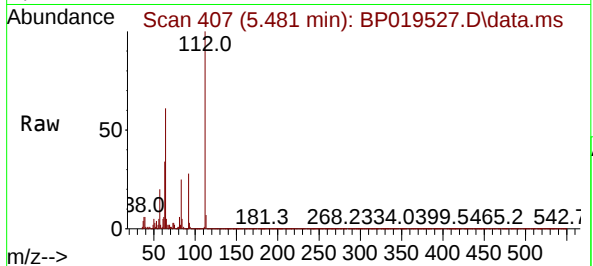
#5
2-Fluorophenol
Concen: 141.218 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:112 Resp: 612049
Ion Ratio Lower Upper
112 100
64 60.8 47.4 71.0
63 33.9 27.0 40.6

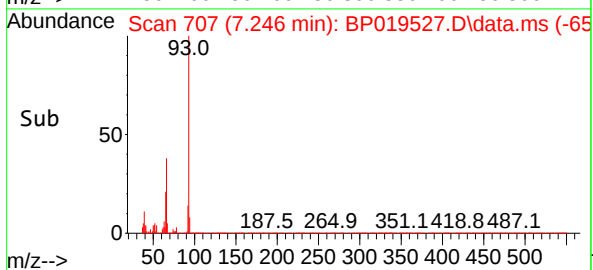
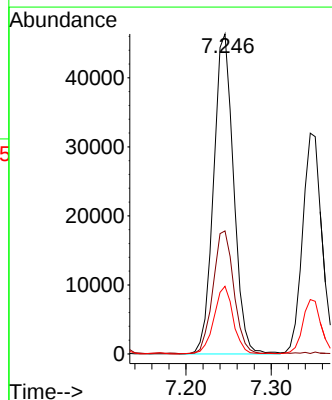
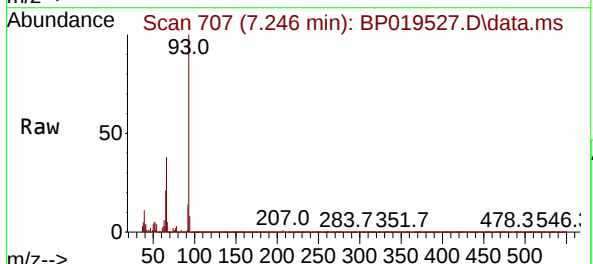
Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#6
Aniline
Concen: 13.300 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

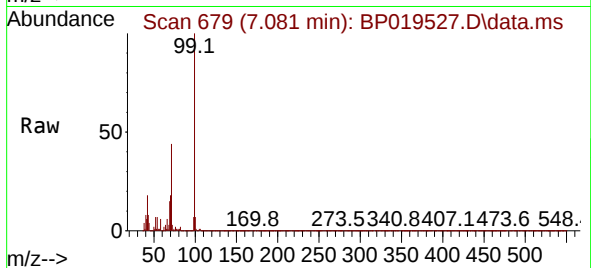
Tgt Ion: 93 Resp: 75523
Ion Ratio Lower Upper
93 100
66 38.5 32.3 48.5
65 21.1 16.4 24.6





#7
Phenol-d6
Concen: 143.346 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

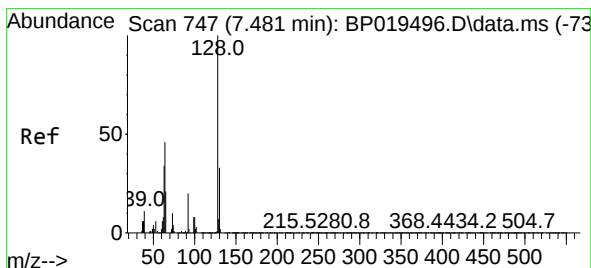
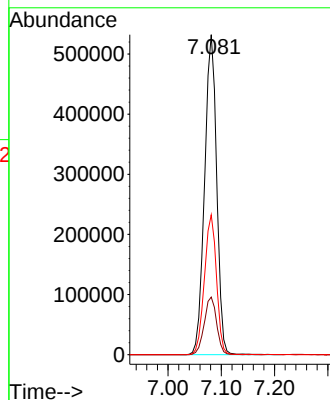
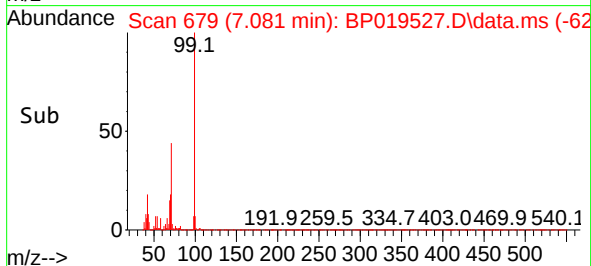
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion: 99 Resp: 83770
Ion Ratio Lower Upper
99 100
42 18.0 14.7 22.1
71 43.7 34.8 52.2

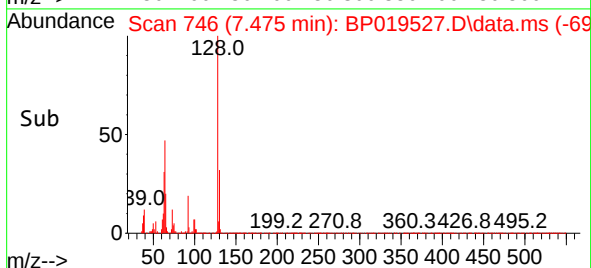
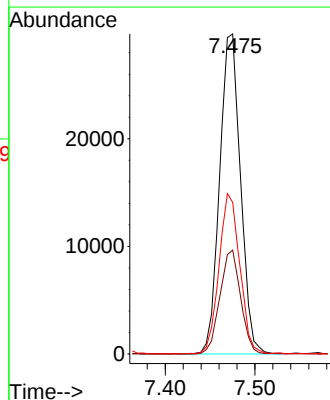
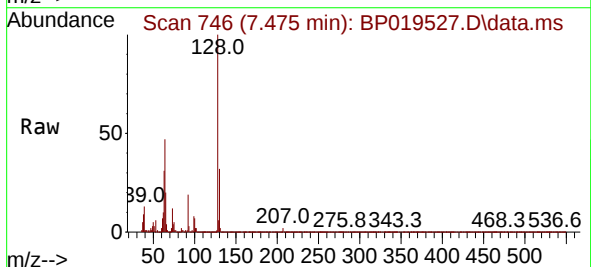
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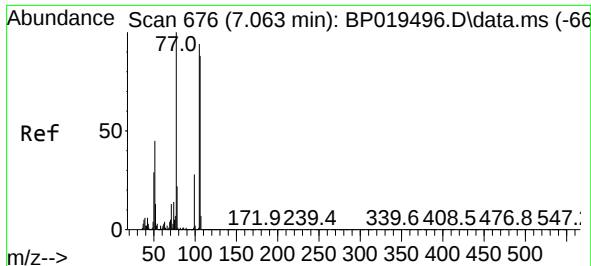
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#8
2-Chlorophenol
Concen: 10.784 ng
RT: 7.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:128 Resp: 47987
Ion Ratio Lower Upper
128 100
130 32.5 13.3 53.3
64 47.4 29.7 69.7





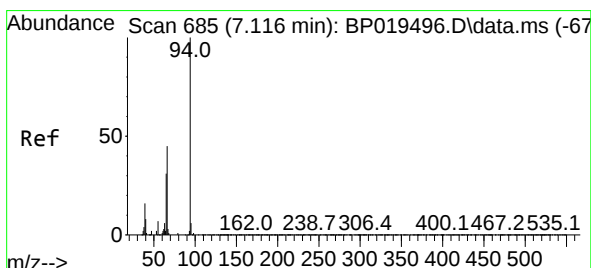
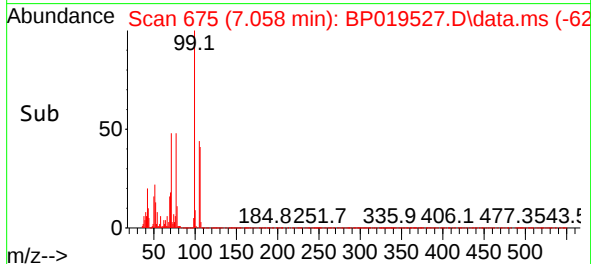
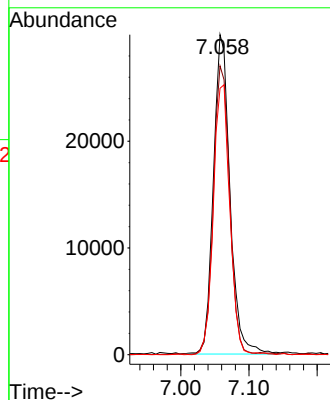
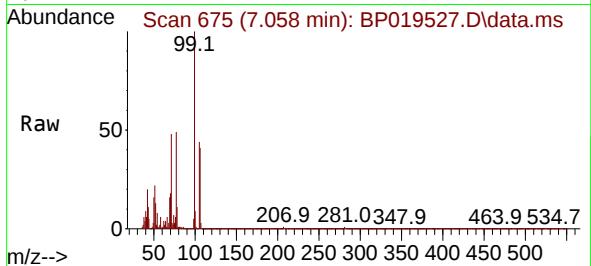
#9
Benzaldehyde
Concen: 12.397 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion: 77 Resp: 5079
Ion Ratio Lower Upper
77 100
105 90.2 74.0 114.0
106 83.2 67.8 107.8

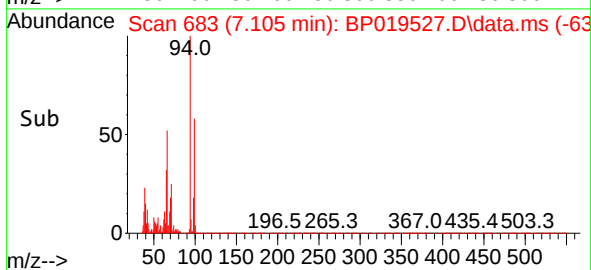
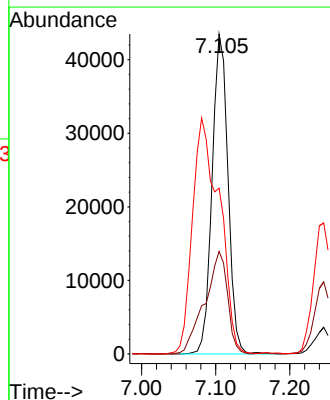
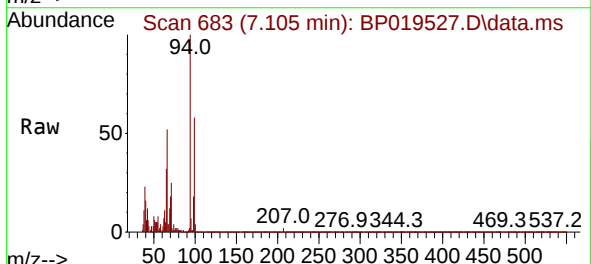
Manual Integrations
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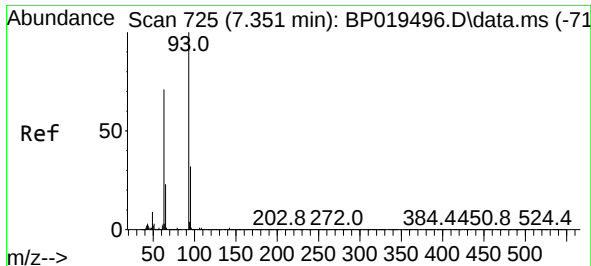
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#10
Phenol
Concen: 11.096 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 94 Resp: 64626
Ion Ratio Lower Upper
94 100
65 32.0 11.3 51.3
66 51.8 25.1 65.1





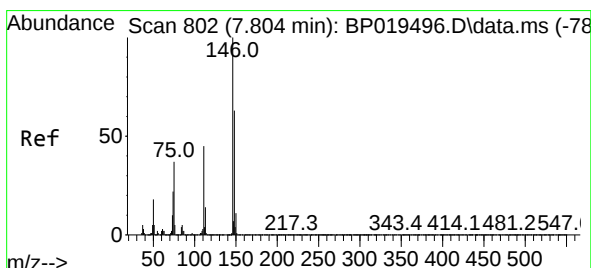
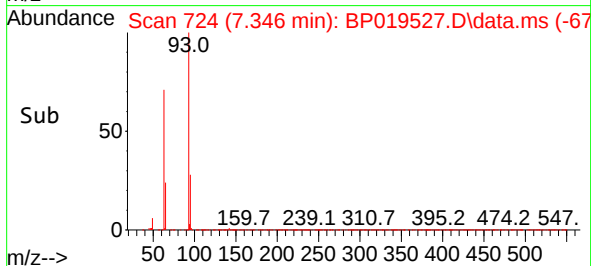
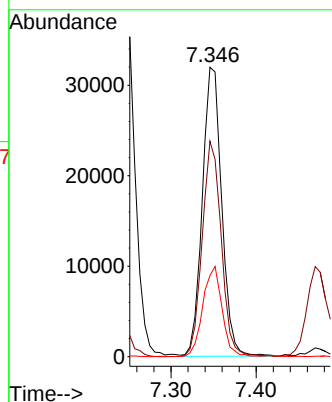
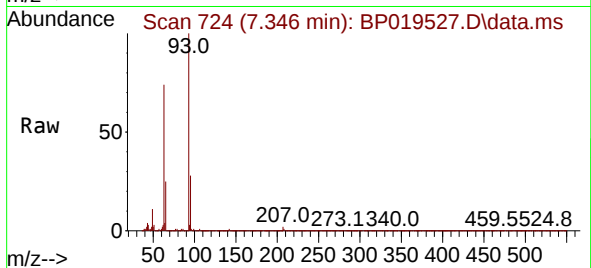
#11
bis(2-Chloroethyl)ether
Concen: 11.153 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion: 93 Resp: 5053
Ion Ratio Lower Upper
93 100
63 74.5 51.2 91.2
95 28.0 11.8 51.8

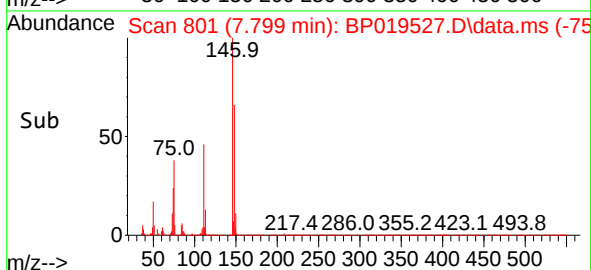
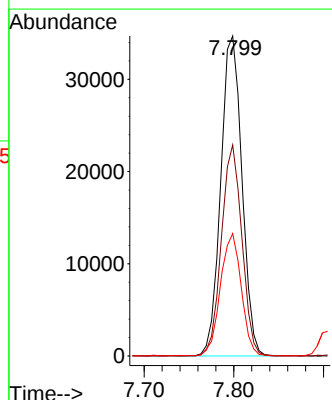
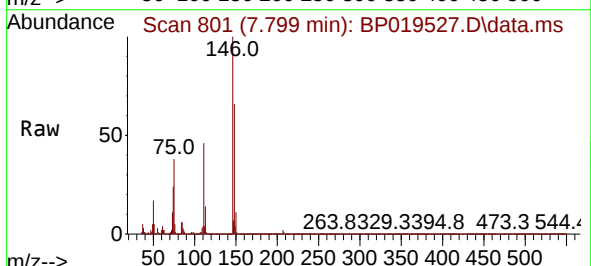
Manual Integrations
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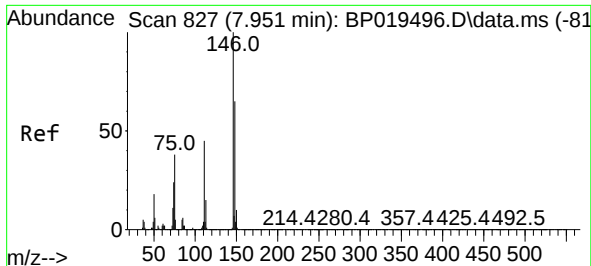
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#12
1,3-Dichlorobenzene
Concen: 10.449 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:146 Resp: 56892
Ion Ratio Lower Upper
146 100
148 66.0 50.4 75.6
75 38.3 29.9 44.9





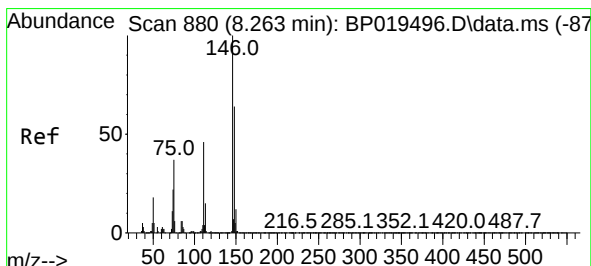
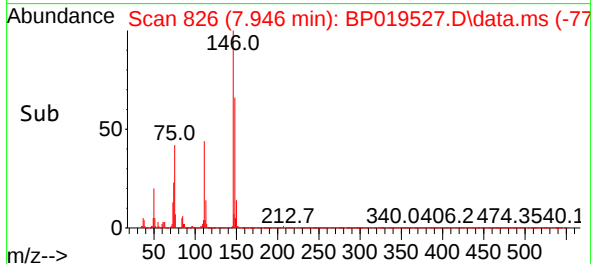
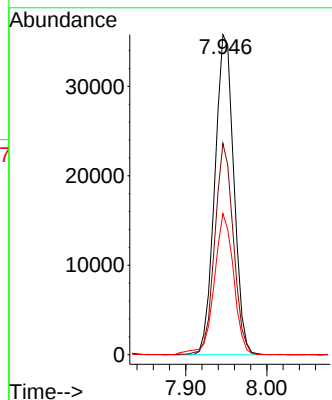
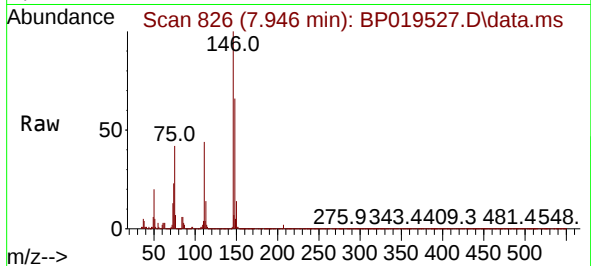
#13
1,4-Dichlorobenzene
Concen: 10.562 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:146 Resp: 5826
Ion Ratio Lower Upper
146 100
148 66.1 51.9 77.9
111 44.1 35.8 53.6

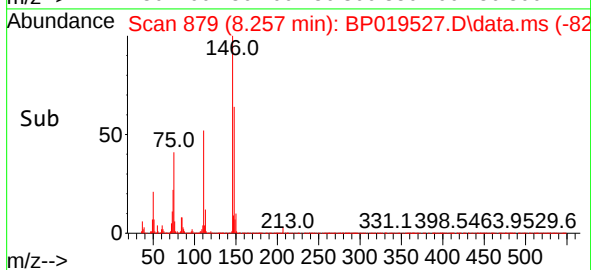
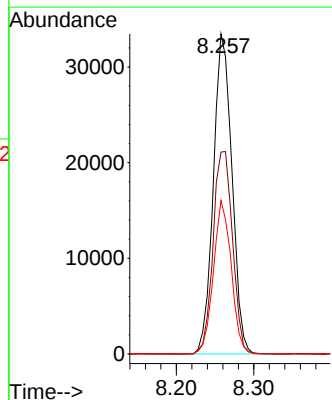
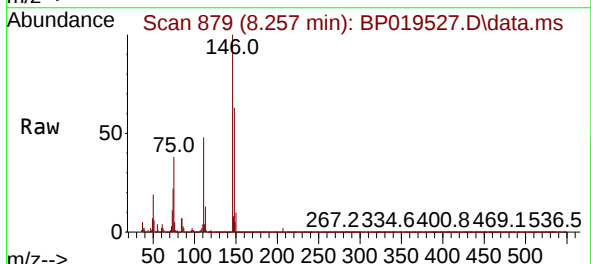
Manual Integrations
APPROVED

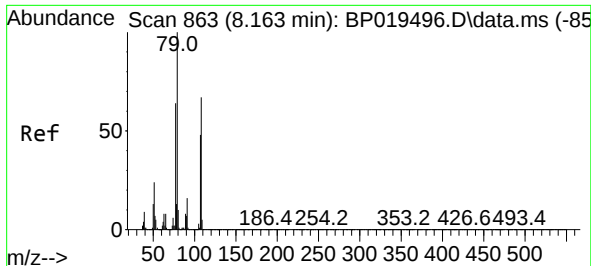
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#14
1,2-Dichlorobenzene
Concen: 10.463 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:146 Resp: 55845
Ion Ratio Lower Upper
146 100
148 63.1 51.4 77.0
111 47.9 37.0 55.6





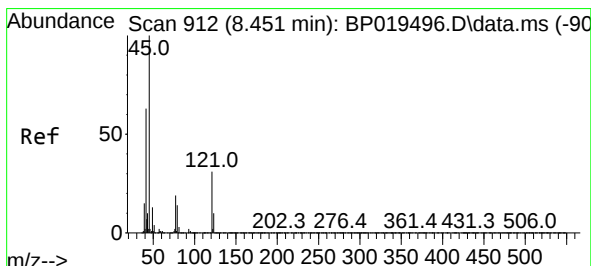
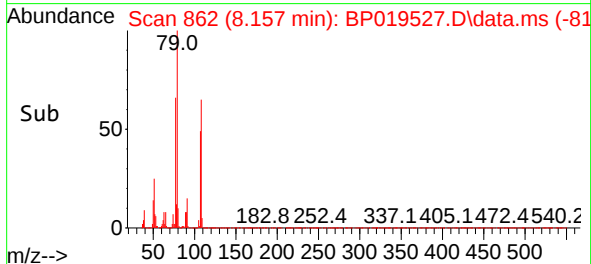
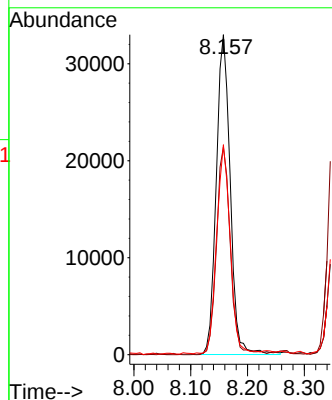
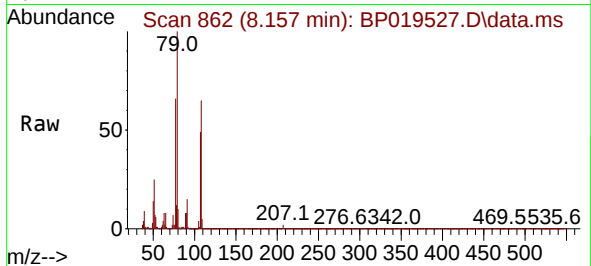
#15
Benzyl Alcohol
Concen: 12.008 ng
RT: 8.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion: 79 Resp: 5607
Ion Ratio Lower Upper
79 100
108 64.8 53.8 80.6
77 65.6 51.3 76.9

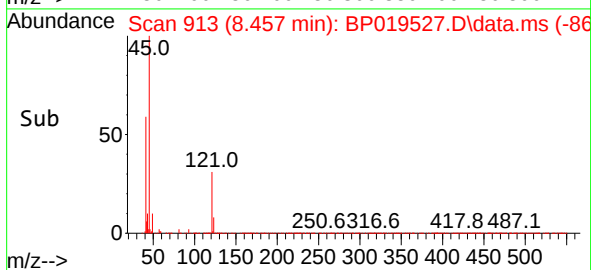
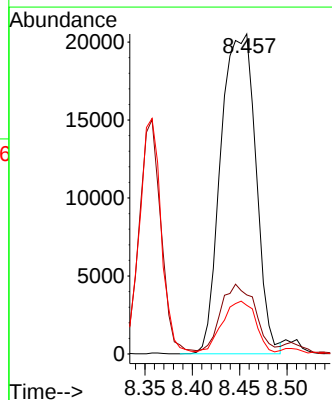
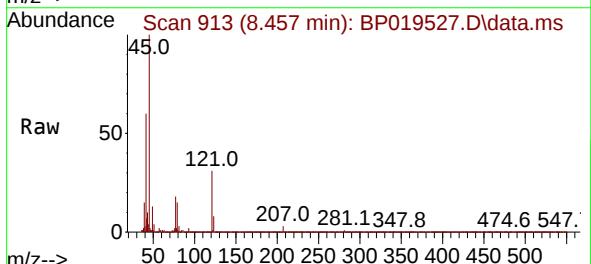
Manual Integrations
APPROVED

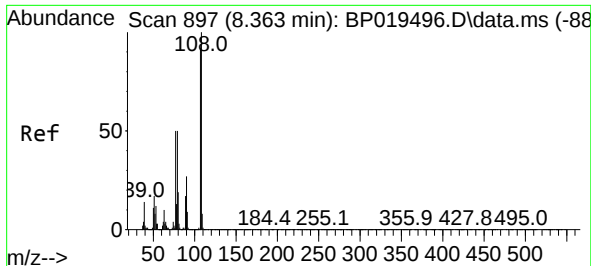
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.632 ng
RT: 8.457 min Scan# 913
Delta R.T. 0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

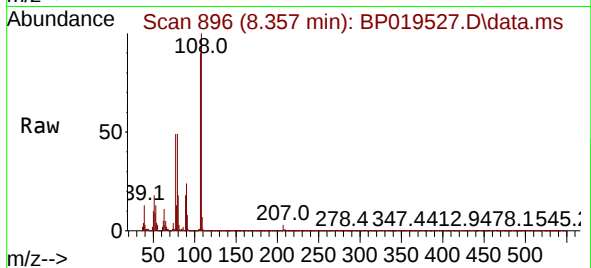
Tgt Ion: 45 Resp: 52707
Ion Ratio Lower Upper
45 100
77 18.4 0.8 40.8
79 15.2 0.0 35.5





#17
2-Methylphenol
Concen: 11.123 ng
RT: 8.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

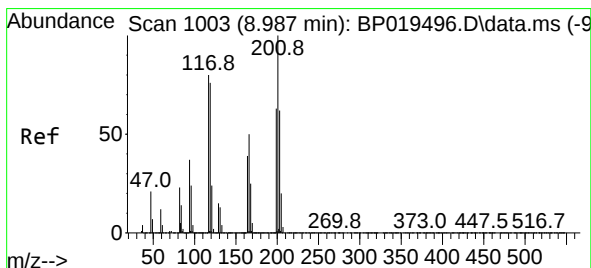
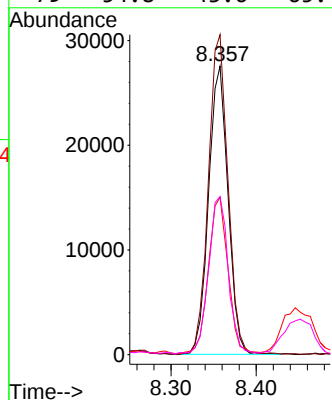
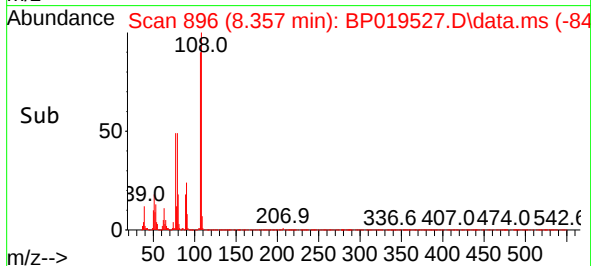
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:	107	Resp:	4361
Ion Ratio	Lower	Upper	
107	100		
108	110.9	87.0	130.6
77	54.6	43.5	65.3
79	54.8	43.6	65.4

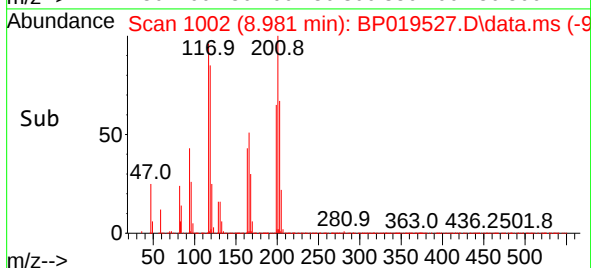
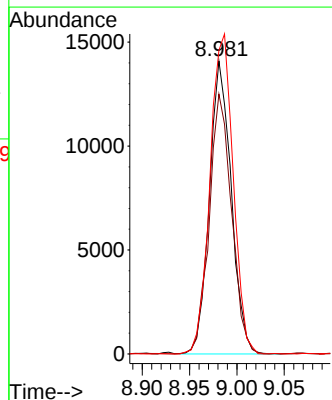
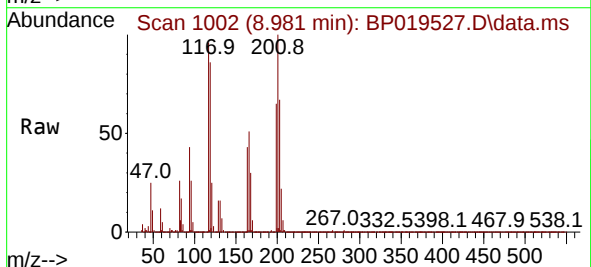
Manual Integrations
APPROVED

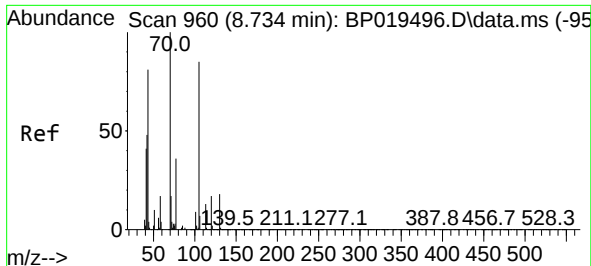
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#18
Hexachloroethane
Concen: 10.547 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:	117	Resp:	22550
Ion Ratio	Lower	Upper	
117	100		
119	88.7	75.5	113.3
201	106.1	99.4	149.2





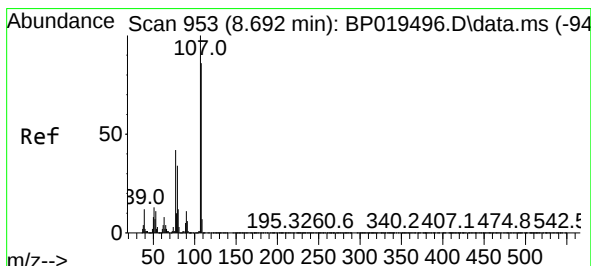
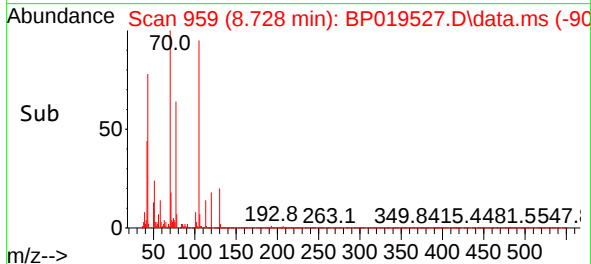
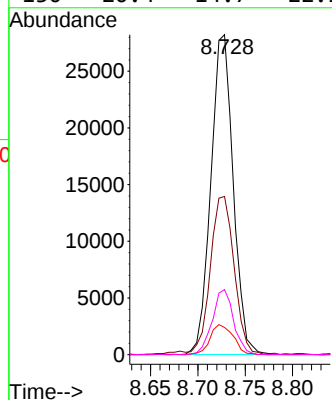
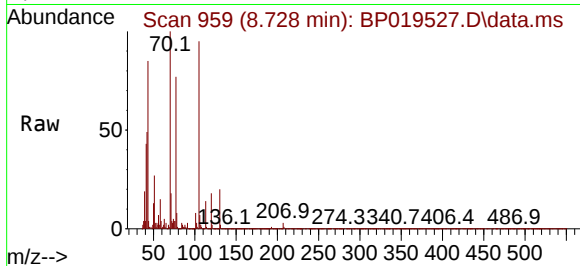
#19
n-Nitroso-di-n-propylamine
Concen: 11.601 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion: 70	Resp: 46300
Ion Ratio	Lower Upper
70 100	
42 49.4	39.2 58.8
101 8.5	7.3 10.9
130 20.4	14.7 22.1

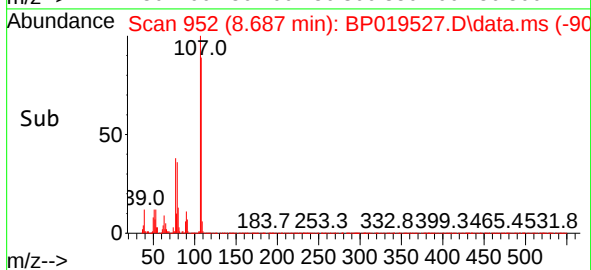
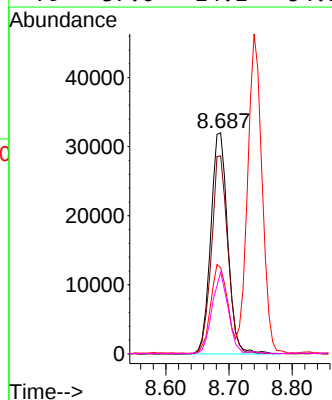
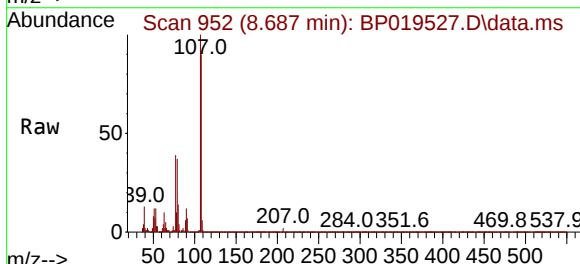
Manual Integrations
APPROVED

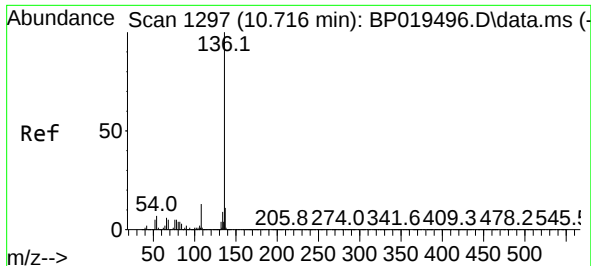
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#20
3+4-Methylphenols
Concen: 11.139 ng
RT: 8.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

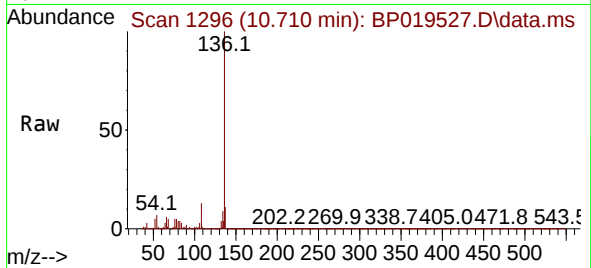
Tgt	Ion:107	Resp:	59613
Ion	Ratio	Lower	Upper
107	100		
108	89.6	65.5	105.5
77	39.0	21.8	61.8
79	37.0	14.1	54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

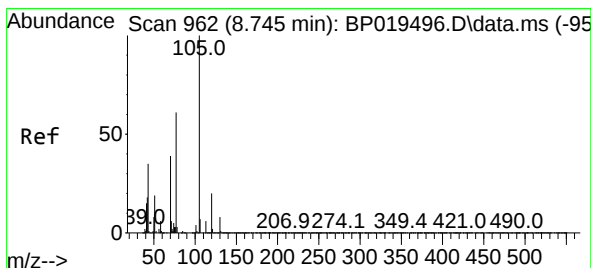
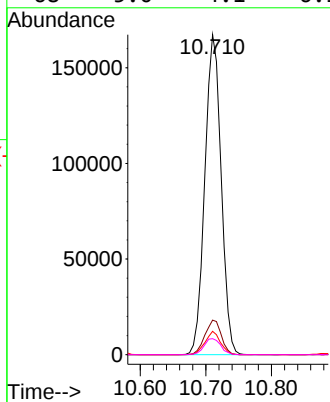
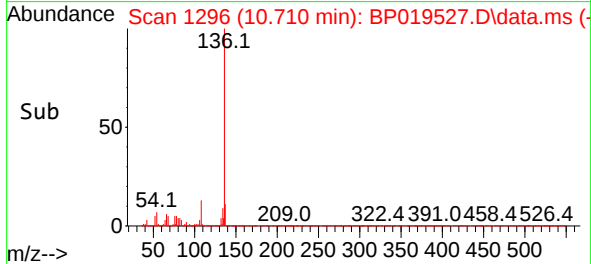
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:136 Resp: 28943
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.3 5.3 7.9
68 5.0 4.1 6.1

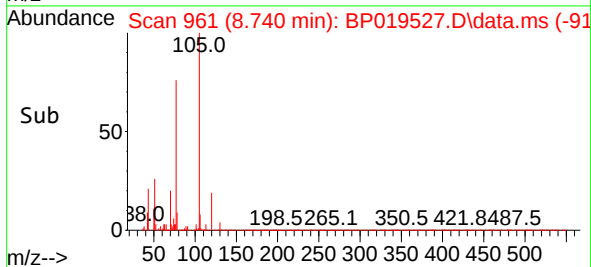
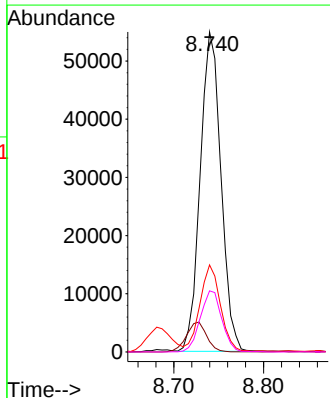
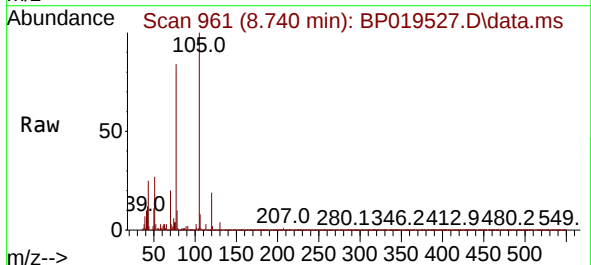
Manual Integrations
APPROVED

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



#22
Acetophenone
Concen: 10.711 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:105 Resp: 88314
Ion Ratio Lower Upper
105 100
71 3.2 4.9 7.3#
51 27.2 20.7 31.1
120 19.1 15.8 23.8





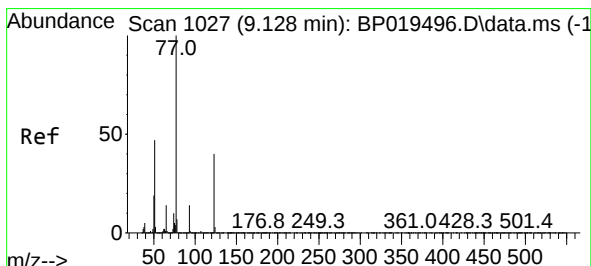
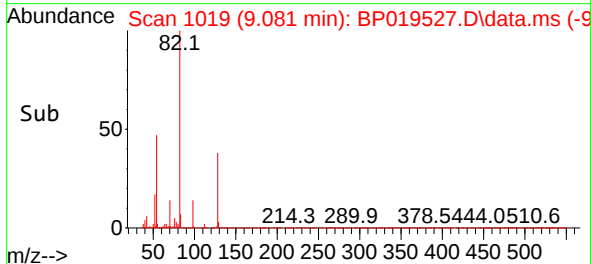
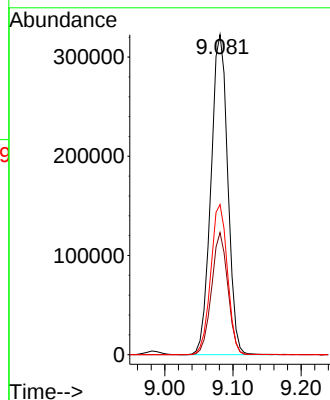
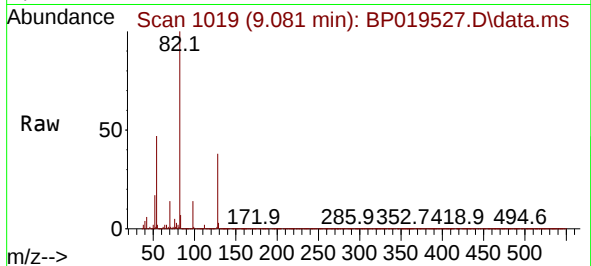
#23
Nitrobenzene-d5
Concen: 82.854 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion: 82 Resp: 55342
Ion Ratio Lower Upper
82 100
128 38.2 29.7 44.5
54 46.9 36.8 55.2

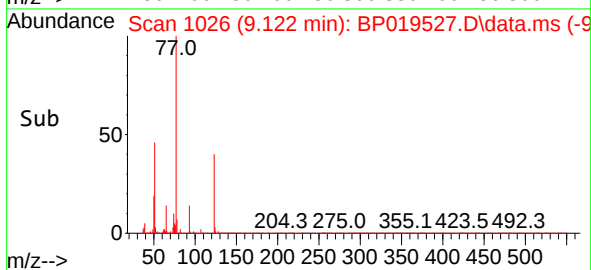
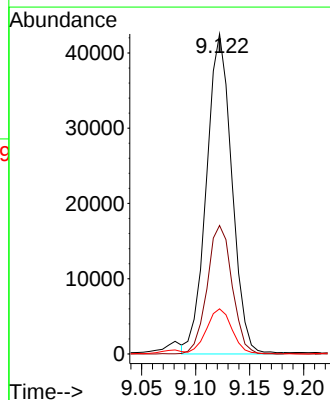
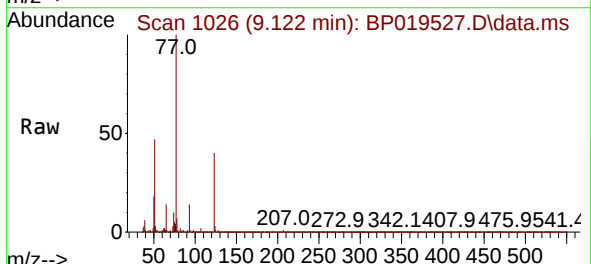
Manual Integrations
APPROVED

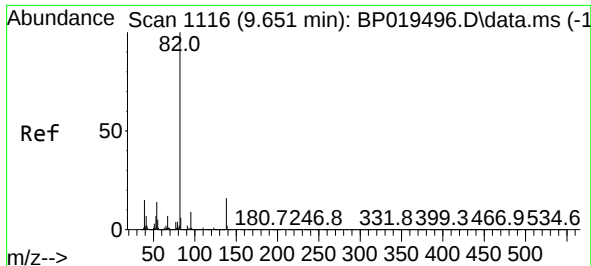
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#24
Nitrobenzene
Concen: 10.356 ng m
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

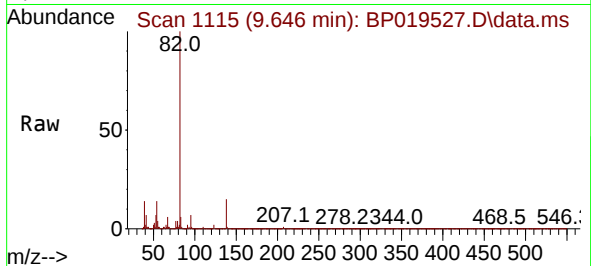
Tgt Ion: 77 Resp: 69644
Ion Ratio Lower Upper
77 100
123 40.2 32.3 48.5
65 14.1 11.6 17.4





#25
Isophorone
Concen: 10.893 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

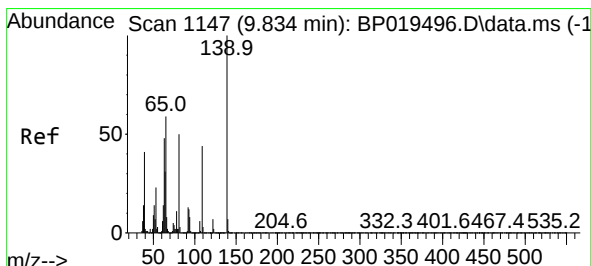
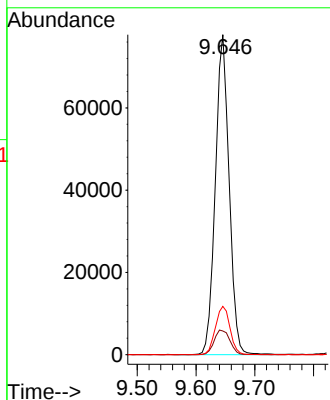
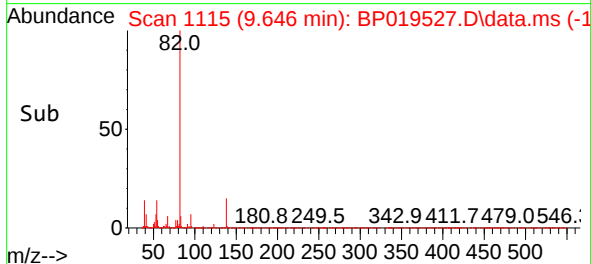
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion: 82 Resp: 12671
Ion Ratio Lower Upper
82 100
95 7.4 7.0 10.4
138 15.1 13.1 19.7

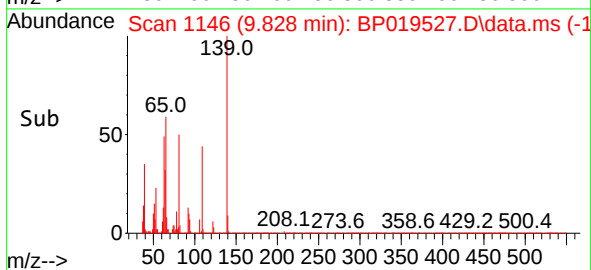
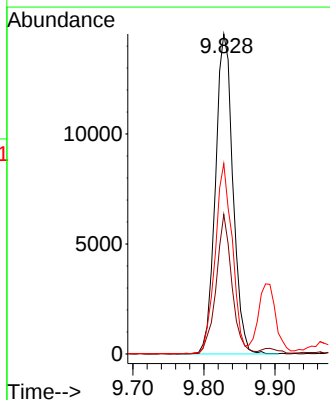
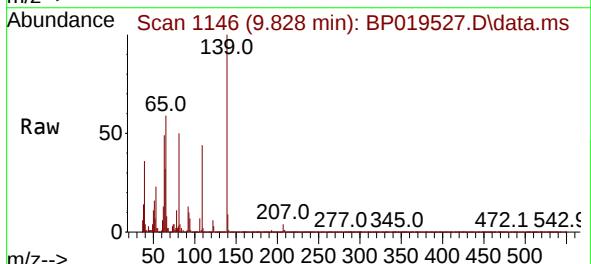
Manual Integrations
APPROVED

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



#26
2-Nitrophenol
Concen: 9.668 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:139 Resp: 24792
Ion Ratio Lower Upper
139 100
109 43.6 34.9 52.3
65 59.5 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 12.525 ng

RT: 9.887 min Scan# 1158

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

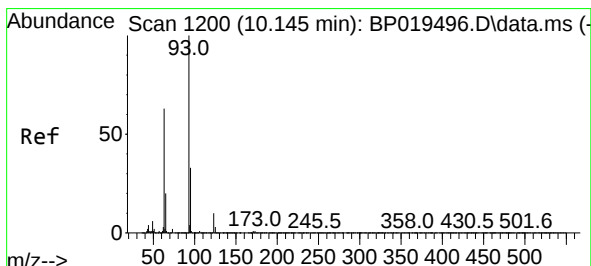
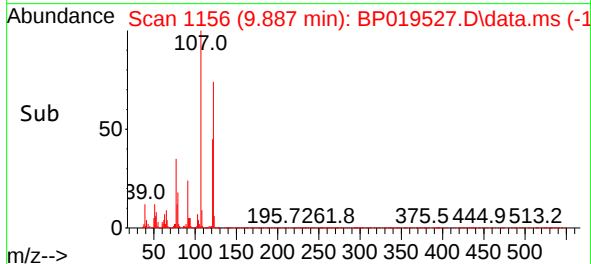
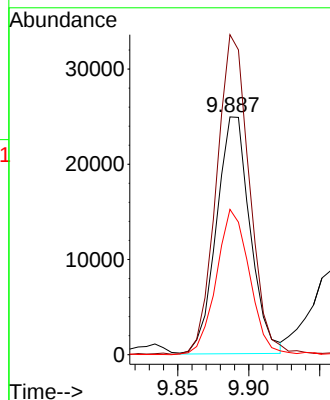
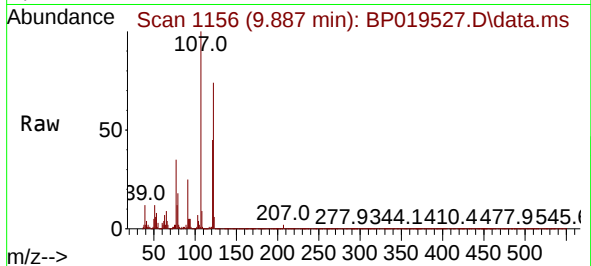
LOQ-SOIL-02-QT1-2024

Tgt Ion:	122	Resp:	41068
Ion	Ratio	Lower	Upper
122	100		
107	134.6	105.9	158.9
121	61.1	47.5	71.3

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 10.740 ng

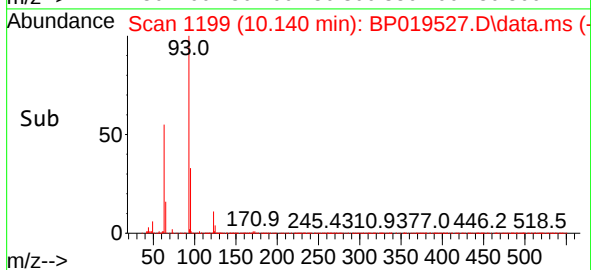
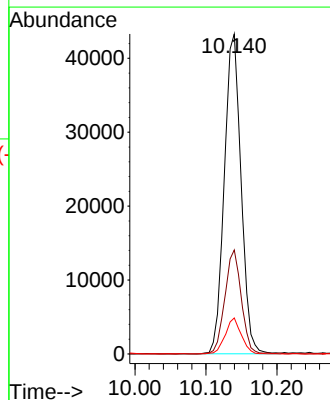
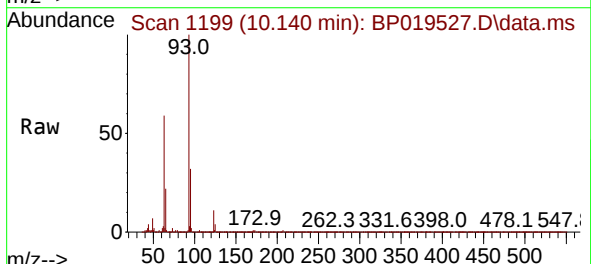
RT: 10.140 min Scan# 1199

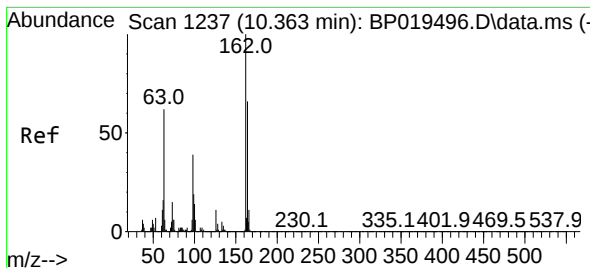
Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:	93	Resp:	70685
Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	11.2	8.5	12.7





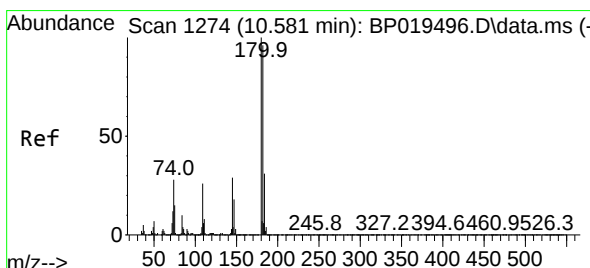
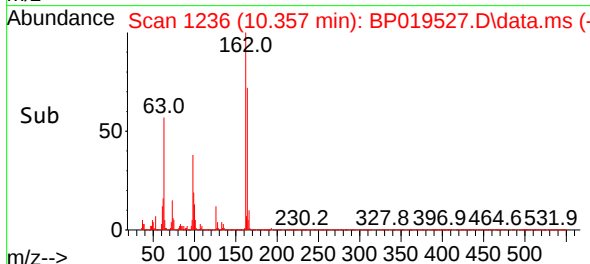
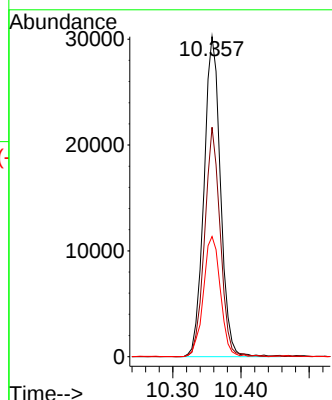
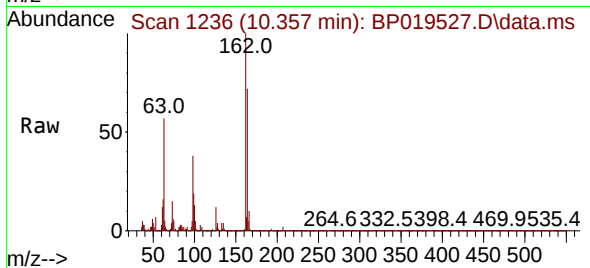
#29
2,4-Dichlorophenol
Concen: 10.272 ng
RT: 10.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:162 Resp: 50915
Ion Ratio Lower Upper
162 100
164 71.7 46.0 86.0
98 37.5 18.7 58.7

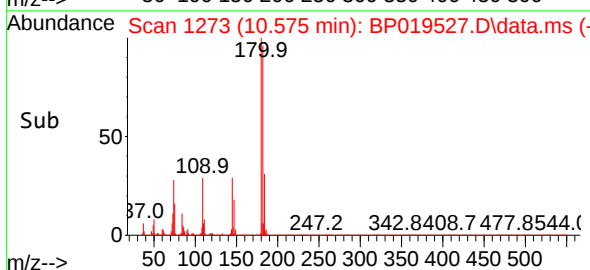
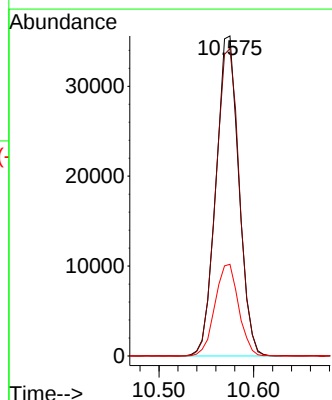
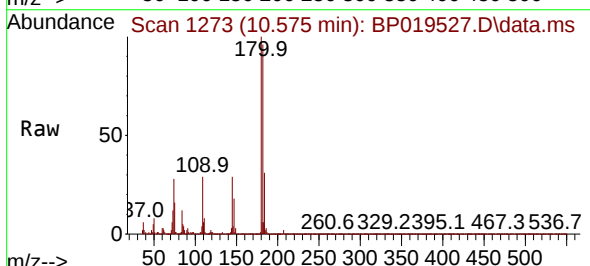
Manual Integrations
APPROVED

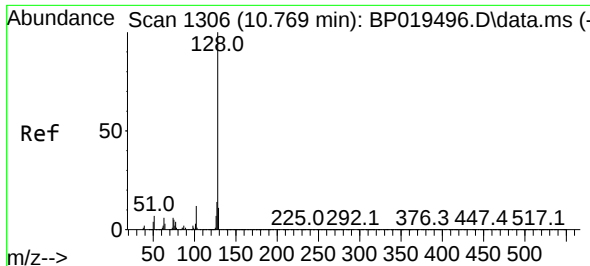
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#30
1,2,4-Trichlorobenzene
Concen: 9.849 ng
RT: 10.575 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

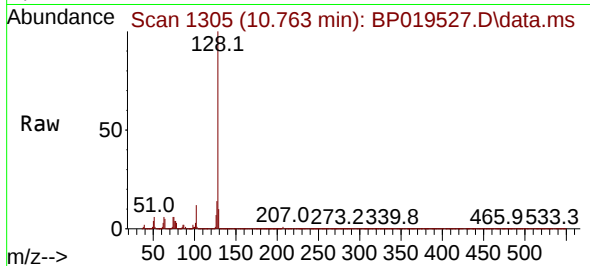
Tgt Ion:180 Resp: 59857
Ion Ratio Lower Upper
180 100
182 96.1 77.0 115.6
145 28.7 23.2 34.8





#31
Naphthalene
Concen: 10.302 ng
RT: 10.763 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

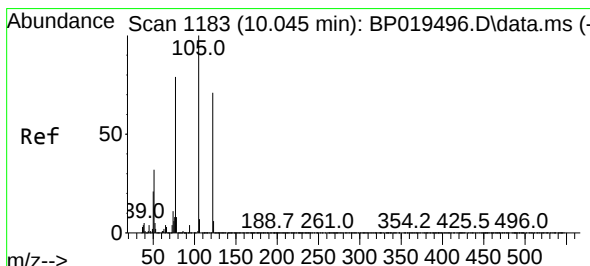
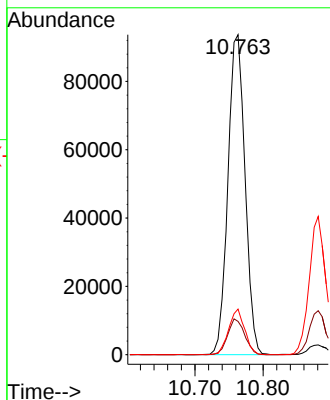
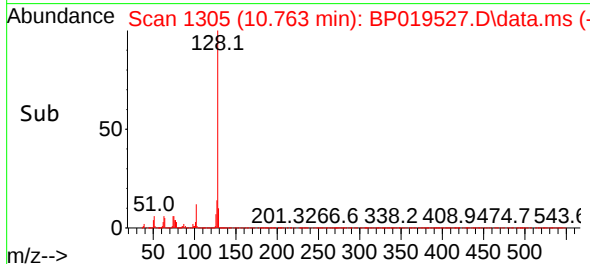
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:128 Resp: 163540
Ion Ratio Lower Upper
128 100
129 10.4 8.6 13.0
127 14.3 10.8 16.2

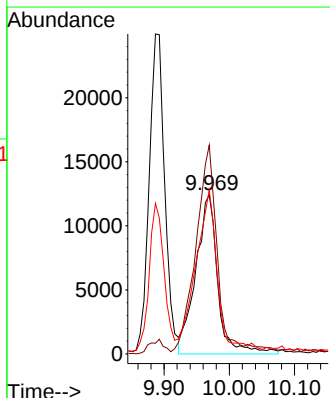
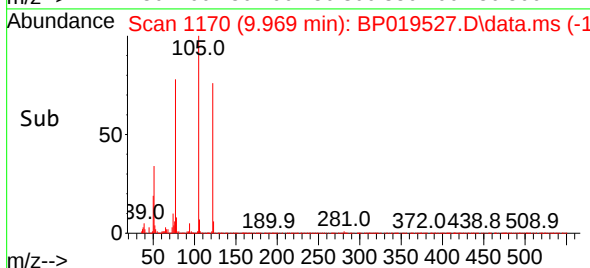
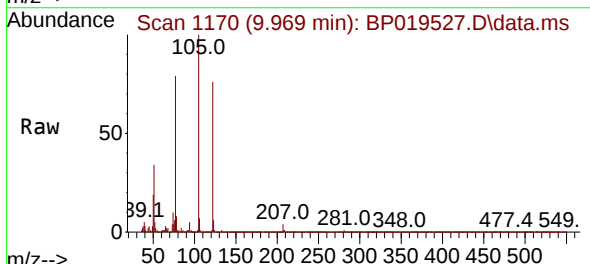
Manual Integrations
APPROVED

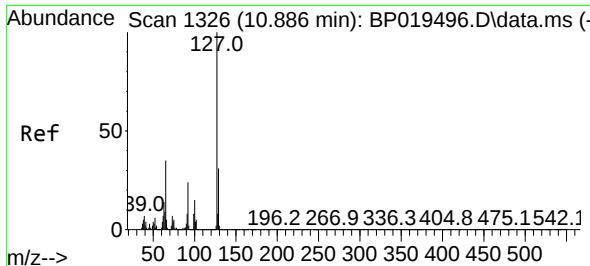
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#32
Benzoic acid
Concen: 9.099 ng m
RT: 9.969 min Scan# 1170
Delta R.T. -0.076 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:122 Resp: 29069
Ion Ratio Lower Upper
122 100
105 131.3 118.8 158.8
77 103.2 91.7 131.7





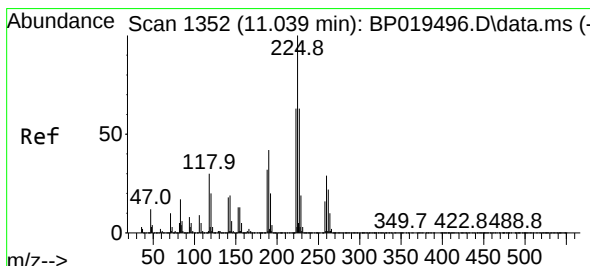
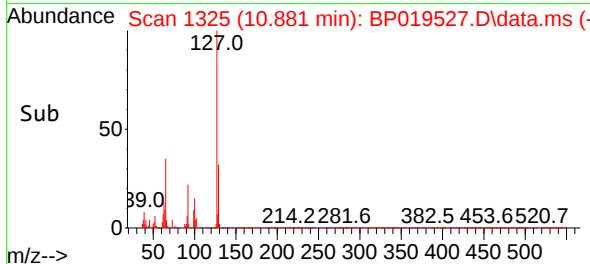
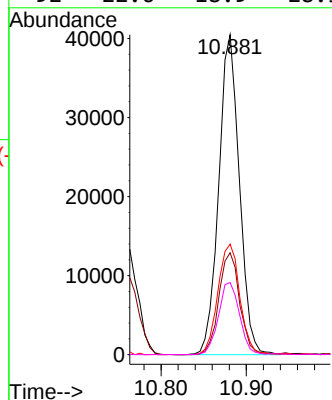
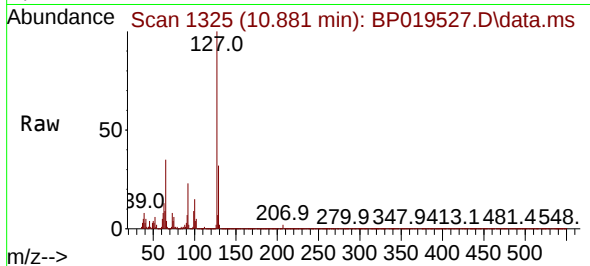
#33
4-Chloroaniline
Concen: 11.613 ng
RT: 10.881 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.9	24.6	36.8
65	34.5	28.2	42.4
92	22.6	18.9	28.3

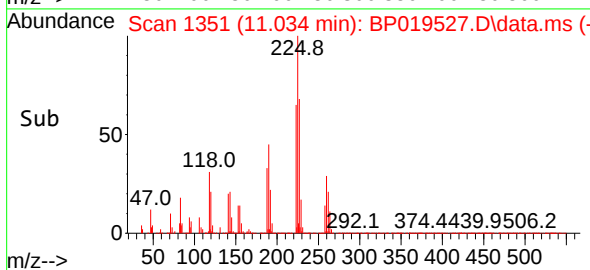
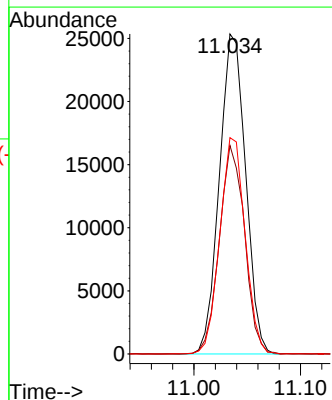
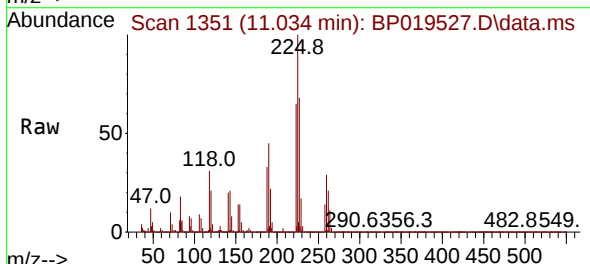
Manual Integrations
APPROVED

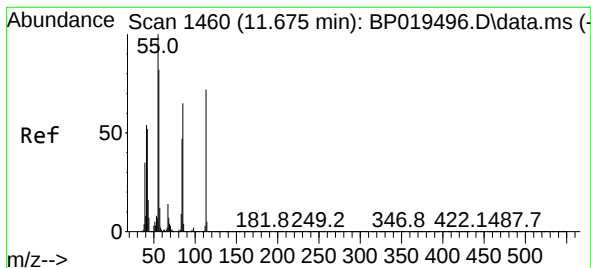
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#34
Hexachlorobutadiene
Concen: 9.617 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

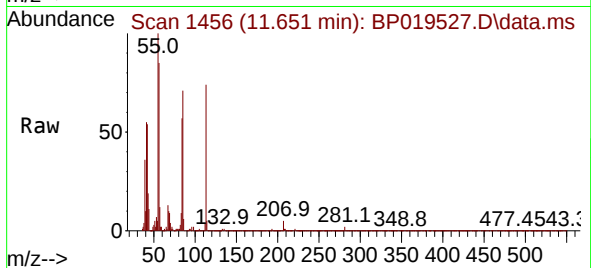
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	50.5	75.7
227	67.6	50.2	75.2





#35
Caprolactam
Concen: 11.396 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

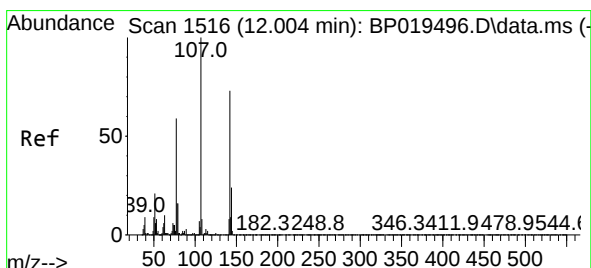
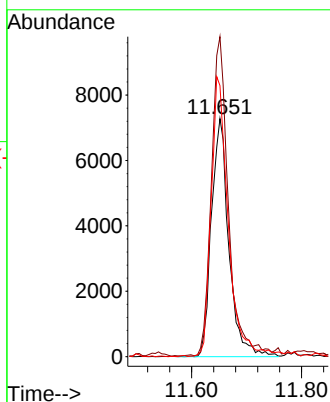
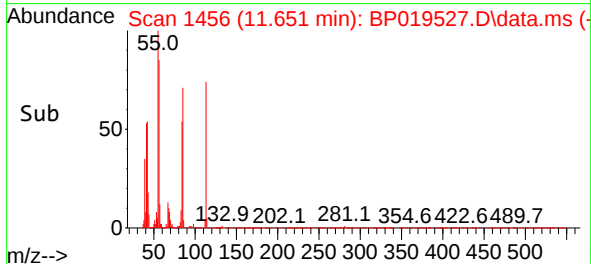
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



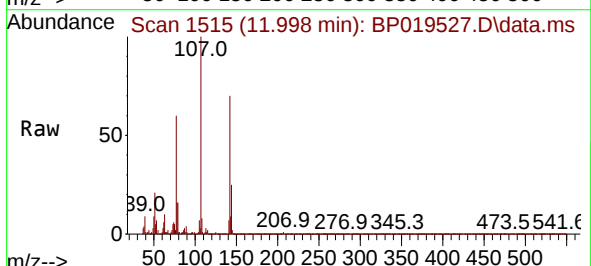
Tgt Ion:113 Resp: 1599
Ion Ratio Lower Upper
113 100
55 134.4 120.0 160.0
56 113.9 94.0 134.0

Manual Integrations
APPROVED

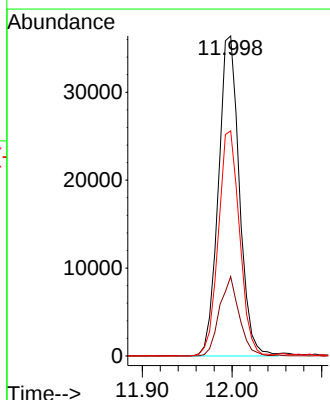
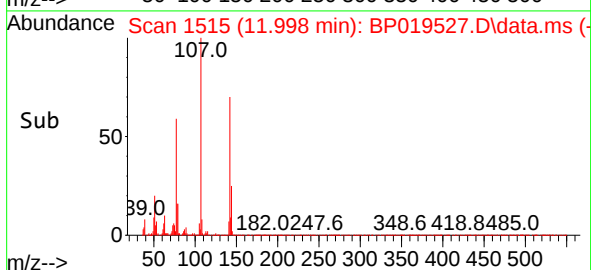
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

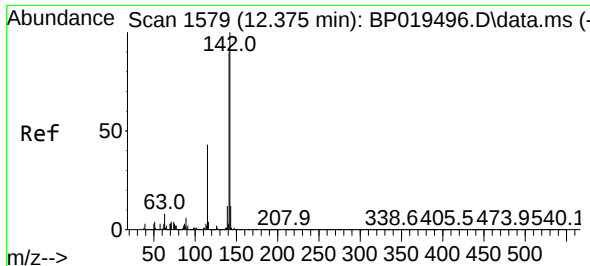


#36
4-Chloro-3-methylphenol
Concen: 10.913 ng
RT: 11.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30



Tgt Ion:107 Resp: 58982
Ion Ratio Lower Upper
107 100
144 24.8 19.0 28.4
142 70.4 58.6 88.0





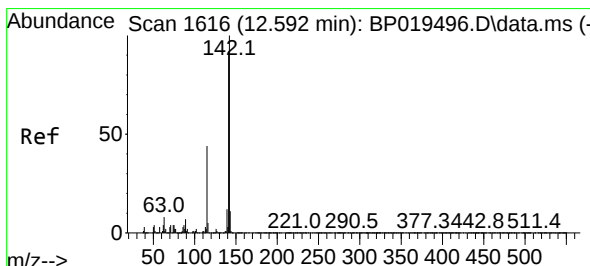
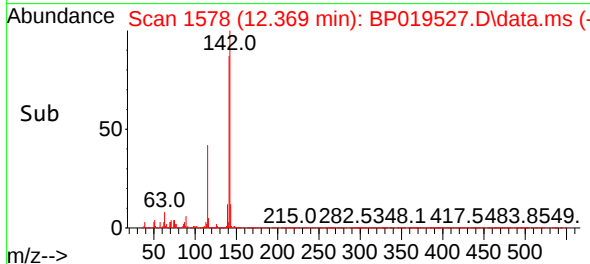
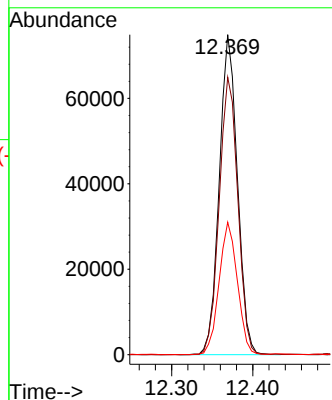
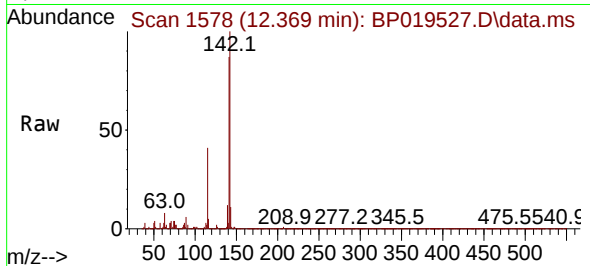
#37
2-Methylnaphthalene
Concen: 10.614 ng
RT: 12.369 min Scan# 11660
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:142 Resp: 11660
Ion Ratio Lower Upper
142 100
141 86.7 72.2 108.4
115 41.4 34.2 51.2

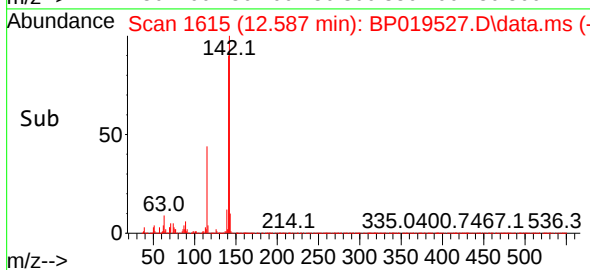
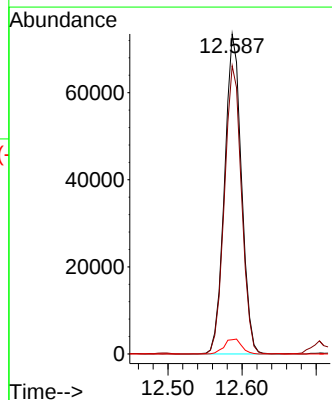
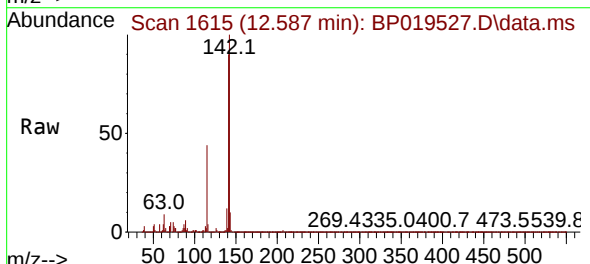
Manual Integrations
APPROVED

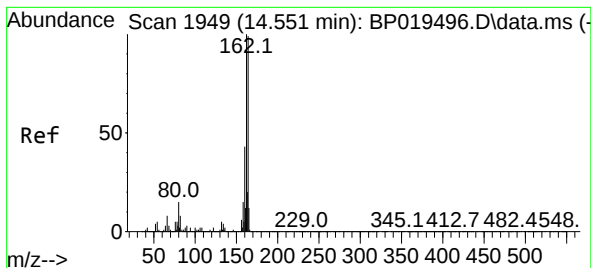
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#38
1-Methylnaphthalene
Concen: 10.739 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:142 Resp: 115933
Ion Ratio Lower Upper
142 100
141 90.0 74.0 111.0
116 4.5 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1949

Delta R.T. -0.011 min

Lab File: BP019527.D

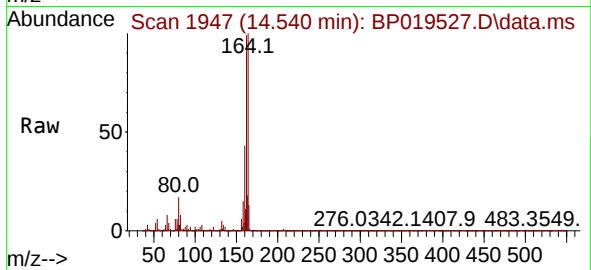
Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:164 Resp: 196900

Ion Ratio Lower Upper

164 100

162 99.2 81.2 121.8

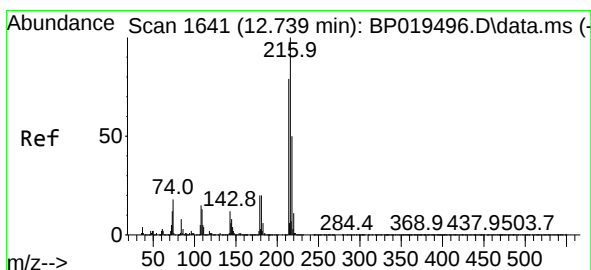
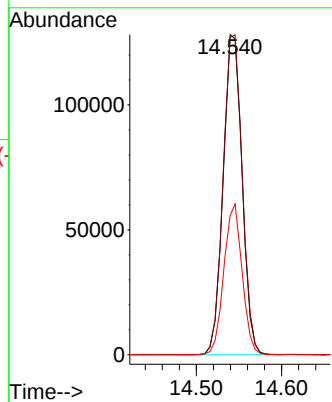
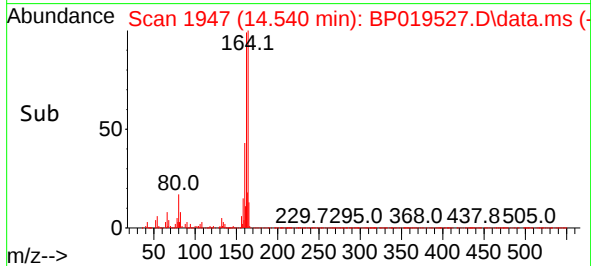
160 43.5 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.024 ng

RT: 12.734 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:216 Resp: 76116

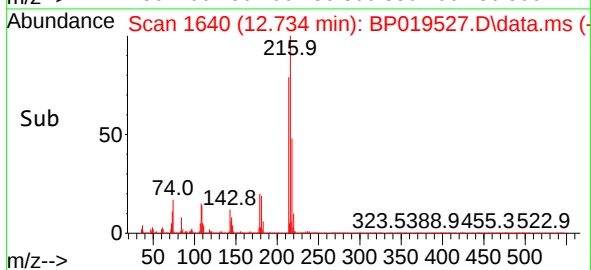
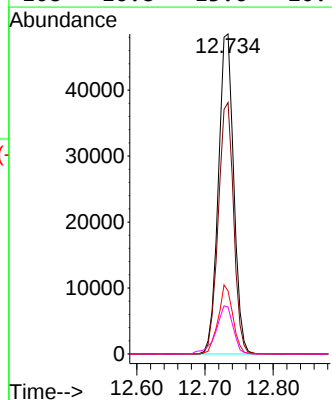
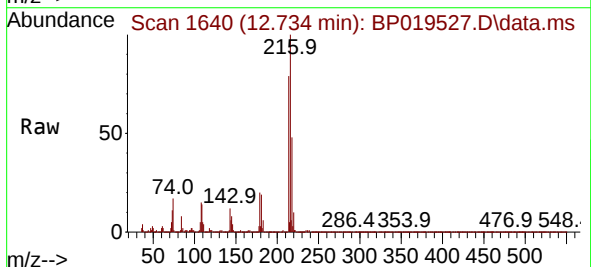
Ion Ratio Lower Upper

216 100

214 78.5 62.8 94.2

179 20.5 16.6 24.8

108 16.8 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 11.690 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

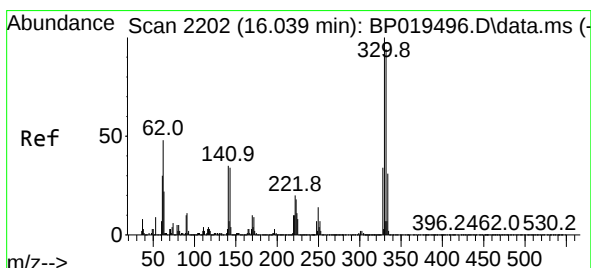
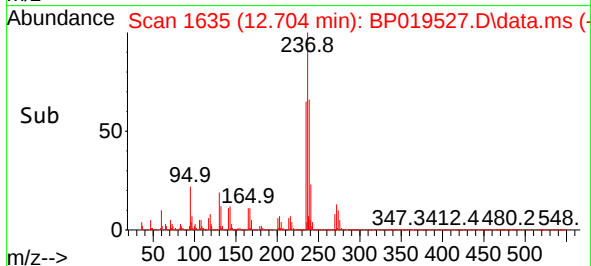
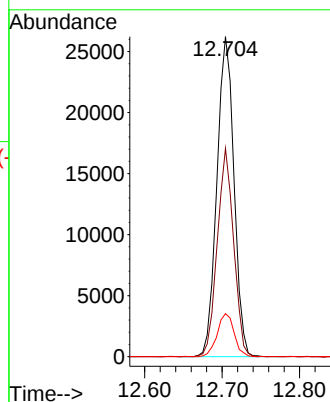
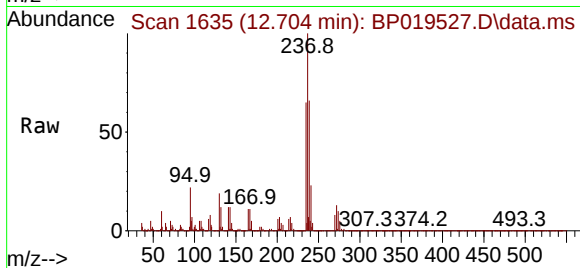
LOQ-SOIL-02-QT1-2024

Tgt Ion:	237	Resp:	4010
Ion Ratio	Lower	Upper	
237	100		
235	65.1	43.7	83.7
272	13.5	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: 144.191 ng

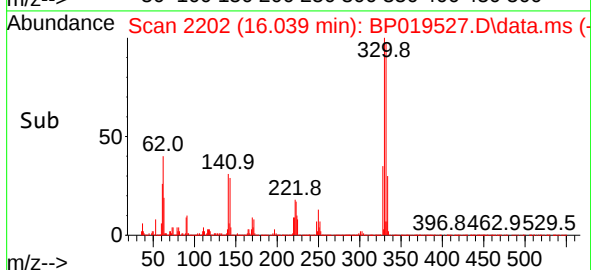
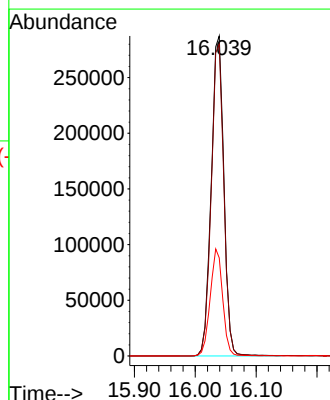
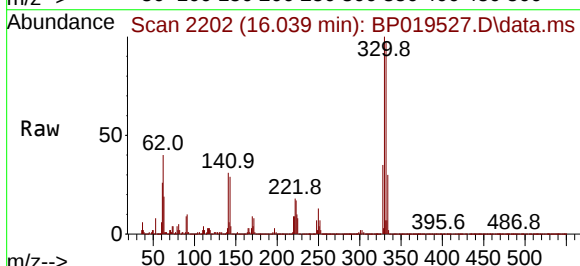
RT: 16.039 min Scan# 2202

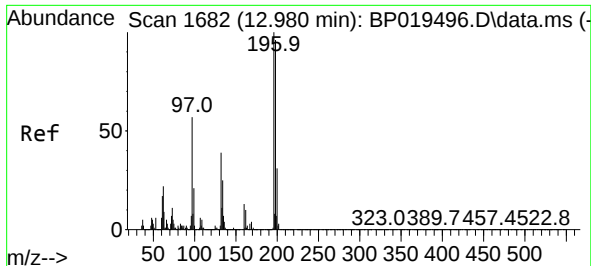
Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

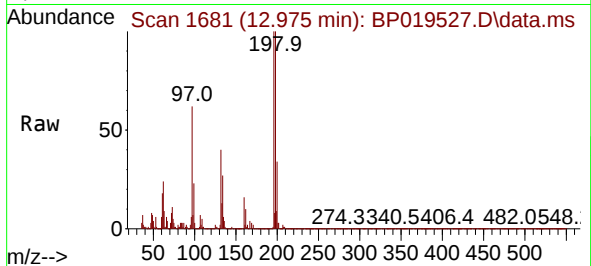
Tgt Ion:	330	Resp:	414531
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.2	115.8
141	33.2	27.0	40.4





#43
2,4,6-Trichlorophenol
Concen: 9.852 ng
RT: 12.975 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

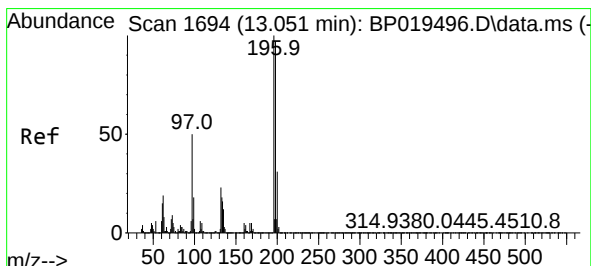
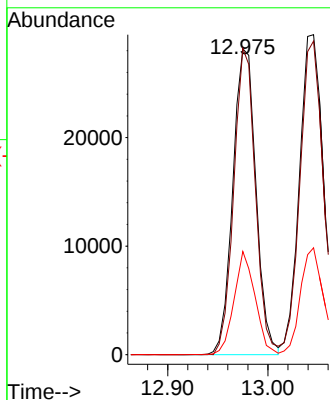
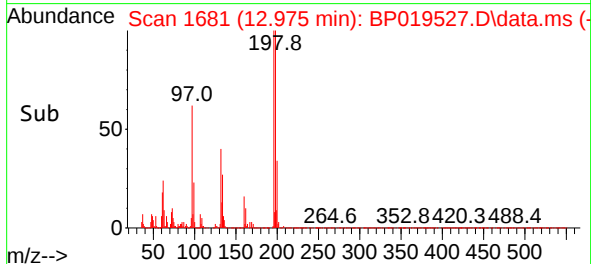
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:196 Resp: 4530
Ion Ratio Lower Upper
196 100
198 100.1 76.7 115.1
200 33.8 24.6 36.8

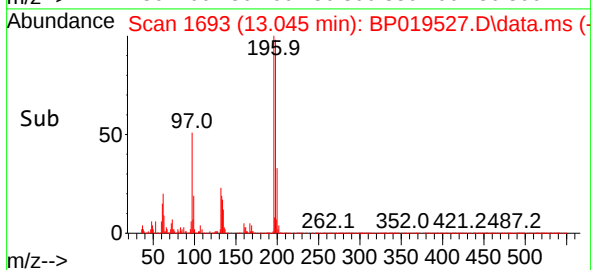
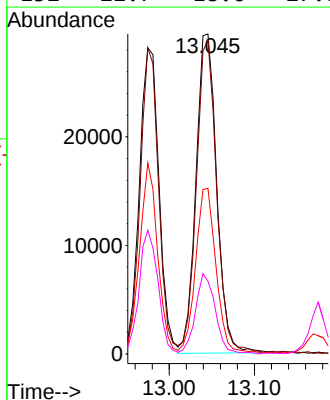
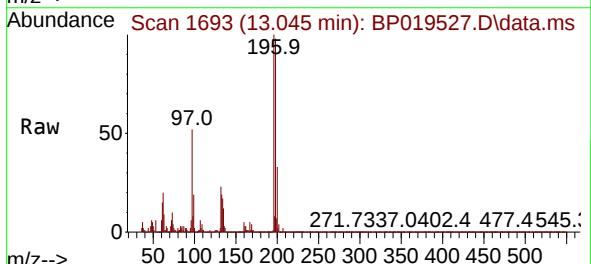
Manual Integrations
APPROVED

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



#44
2,4,5-Trichlorophenol
Concen: 9.880 ng
RT: 13.045 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:196 Resp: 49887
Ion Ratio Lower Upper
196 100
198 98.0 77.5 116.3
97 51.7 39.9 59.9
132 22.7 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 81.281 ng

RT: 13.175 min Scan# 1715

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:172 Resp: 1294600

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

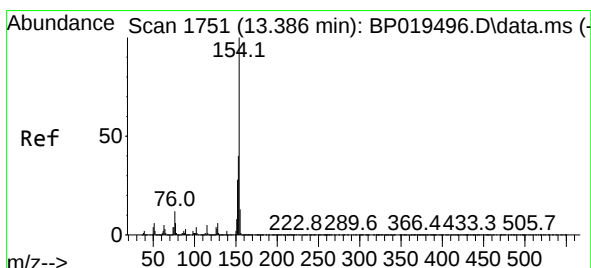
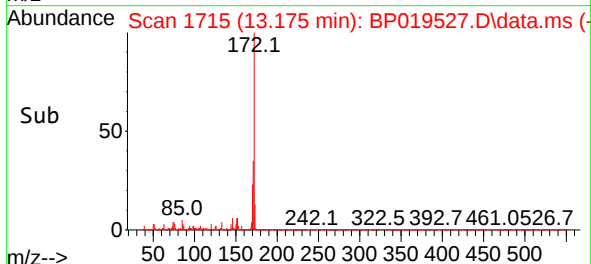
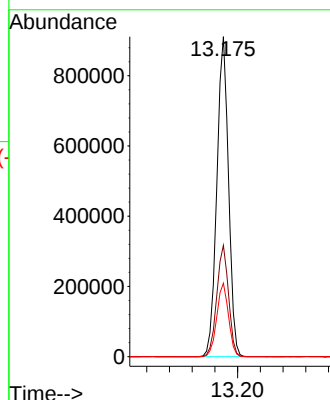
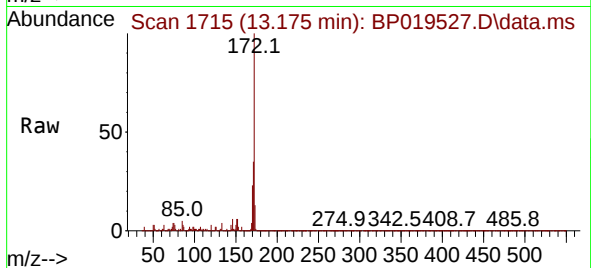
170 23.0 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#46

1,1'-Biphenyl

Concen: 10.446 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

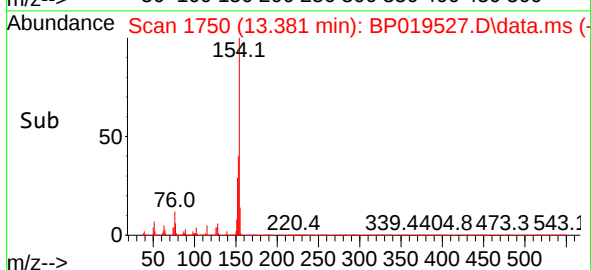
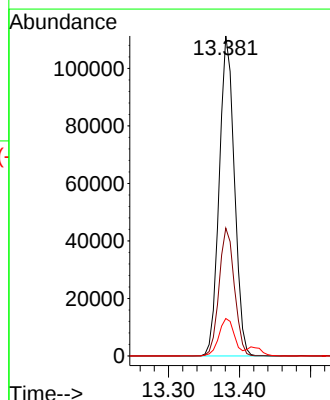
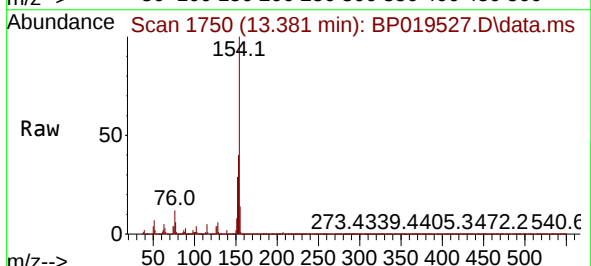
Tgt Ion:154 Resp: 164167

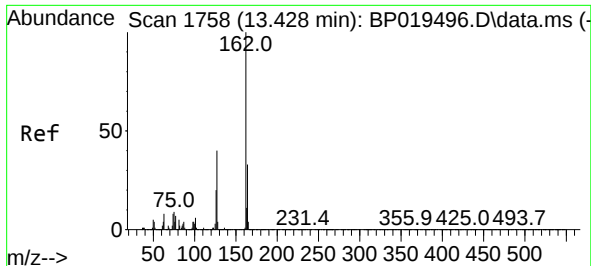
Ion Ratio Lower Upper

154 100

153 40.0 20.2 60.2

76 11.7 0.0 31.6





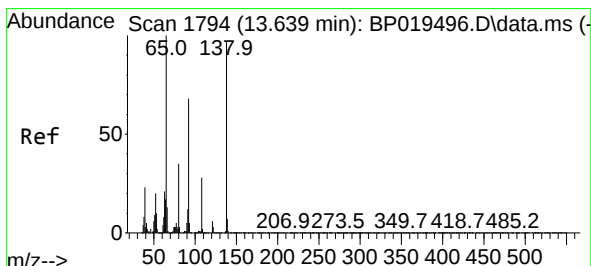
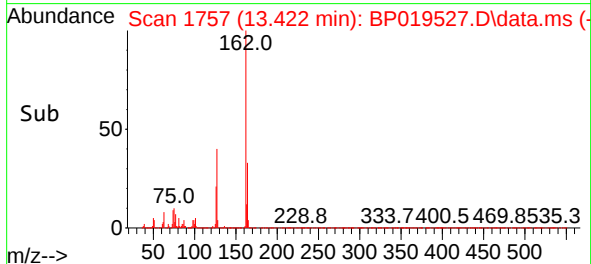
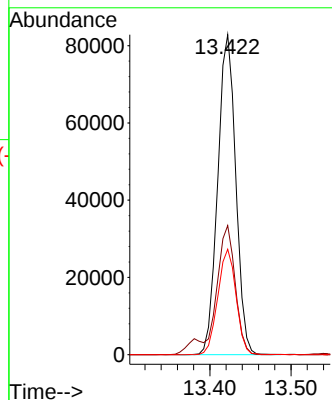
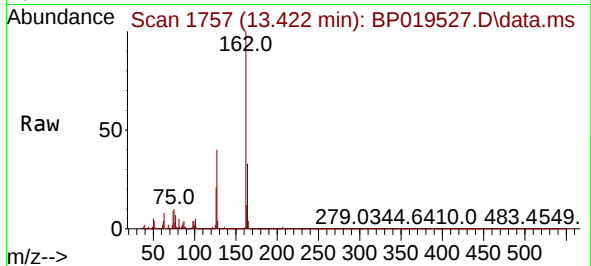
#47
2-Chloronaphthalene
Concen: 9.922 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2024

Tgt Ion:162 Resp: 127994
Ion Ratio Lower Upper
162 100
127 40.4 32.1 48.1
164 33.0 26.7 40.1

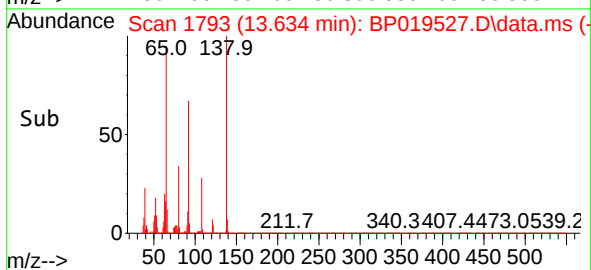
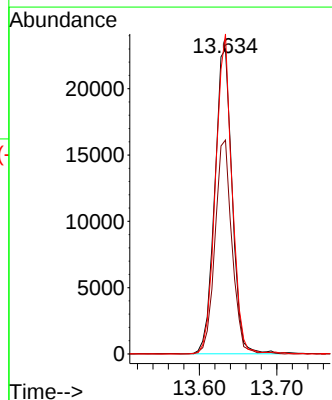
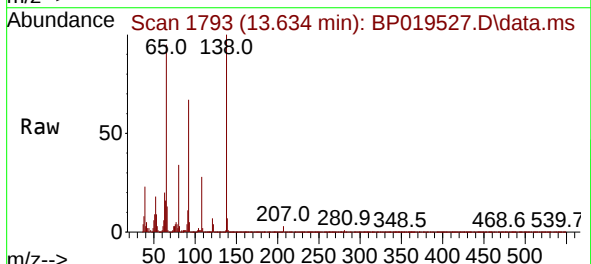
Manual Integrations
APPROVED

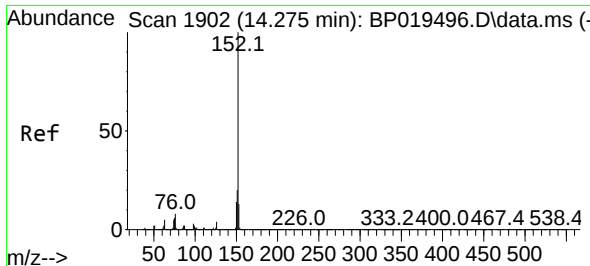
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#48
2-Nitroaniline
Concen: 9.980 ng
RT: 13.634 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion: 65 Resp: 36001
Ion Ratio Lower Upper
65 100
92 70.2 54.7 82.1
138 104.9 77.8 116.6





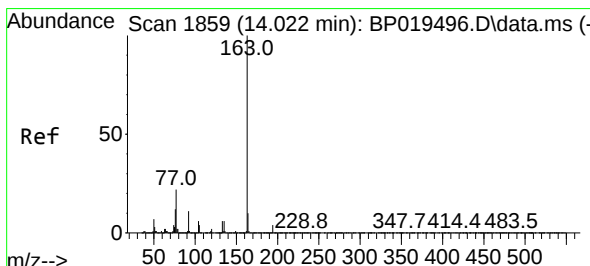
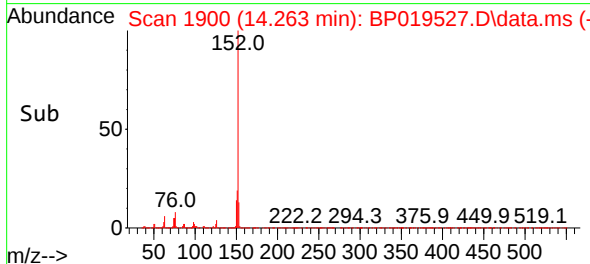
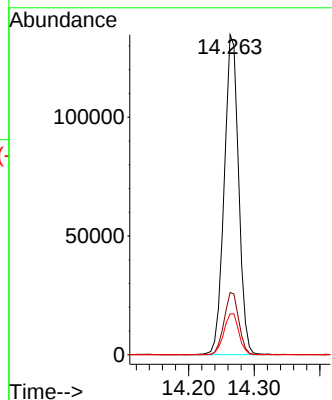
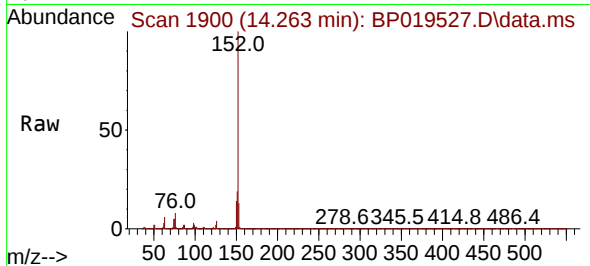
#49
Acenaphthylene
Concen: 11.323 ng
RT: 14.263 min Scan# 1902
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:152 Resp: 204925
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 12.8 10.6 15.8

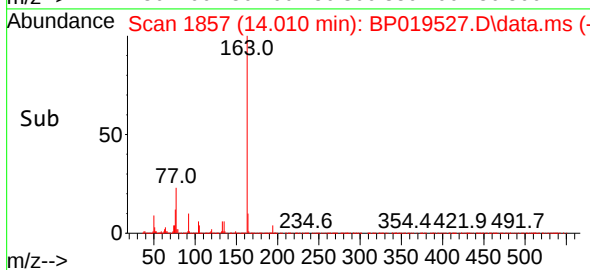
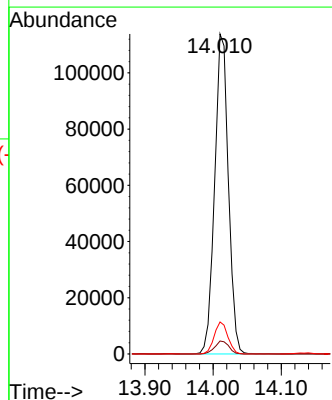
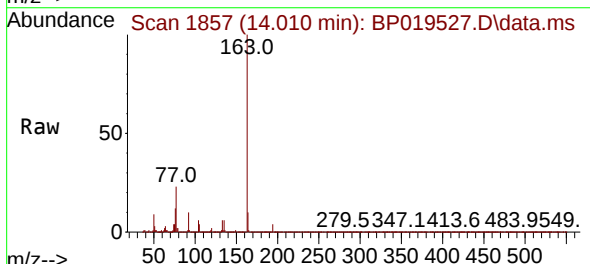
Manual Integrations
APPROVED

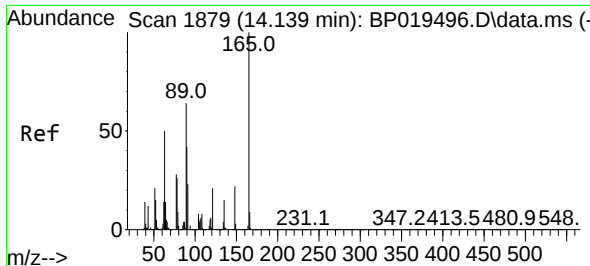
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#50
Dimethylphthalate
Concen: 10.580 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:163 Resp: 159469
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.0 7.8 11.6





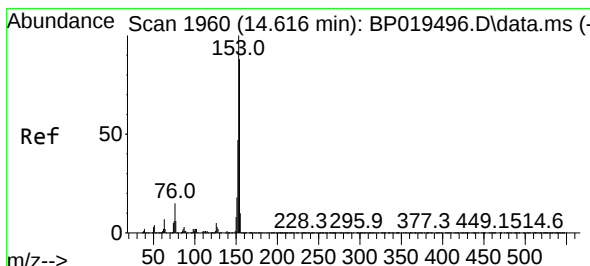
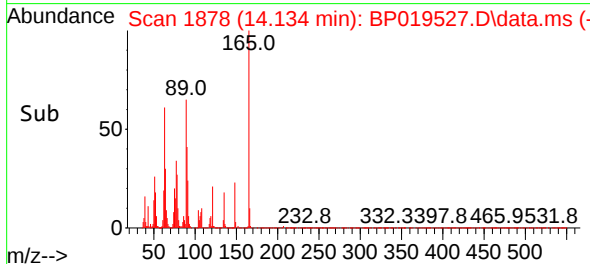
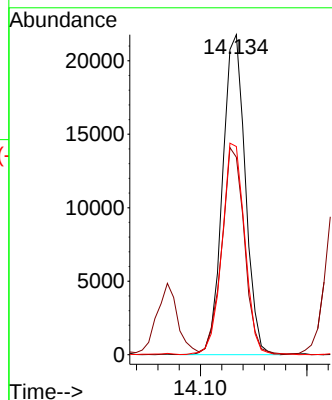
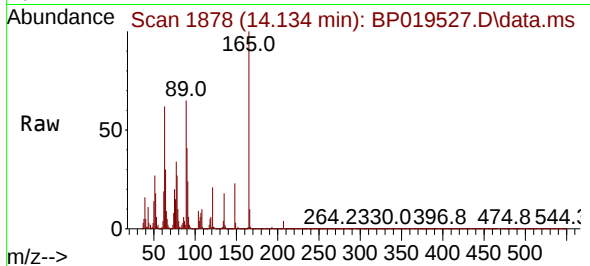
#51
2,6-Dinitrotoluene
Concen: 9.683 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:165 Resp: 32068
Ion Ratio Lower Upper
165 100
63 61.7 50.4 75.6
89 65.0 51.7 77.5

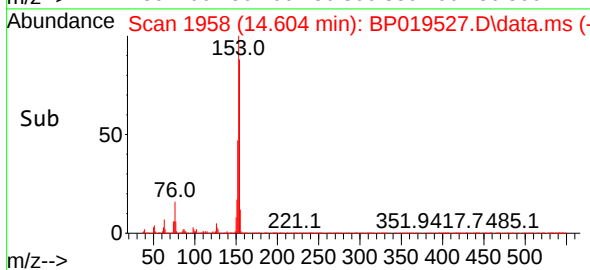
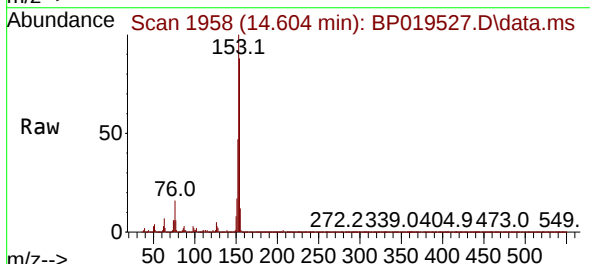
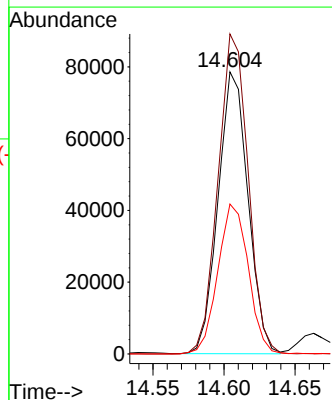
Manual Integrations
APPROVED

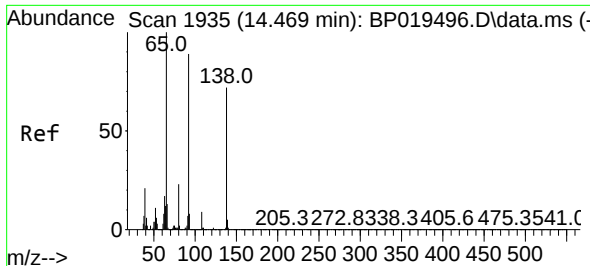
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#52
Acenaphthene
Concen: 10.239 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

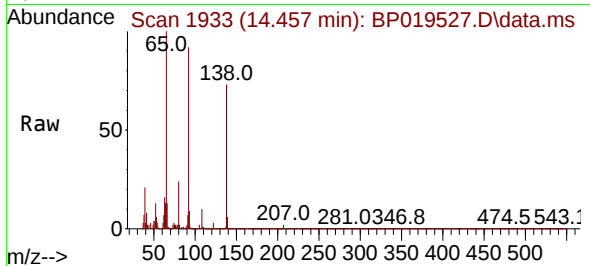
Tgt Ion:154 Resp: 115010
Ion Ratio Lower Upper
154 100
153 113.5 90.5 135.7
152 53.2 42.1 63.1





#53
3-Nitroaniline
Concen: 10.262 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

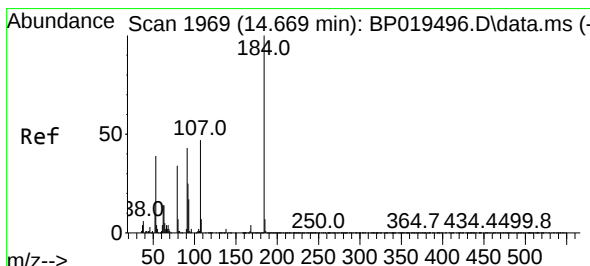
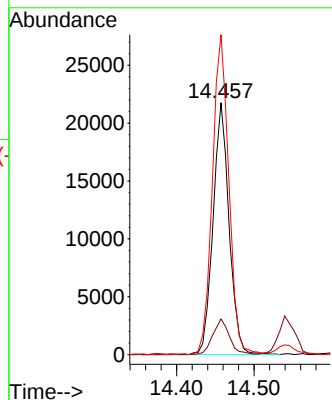
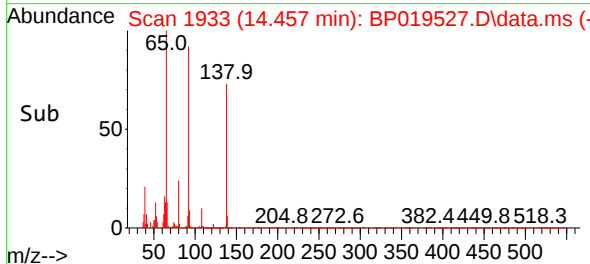
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:138 Resp: 3123
Ion Ratio Lower Upper
138 100
108 14.2 9.7 14.5
92 127.0 98.0 147.0

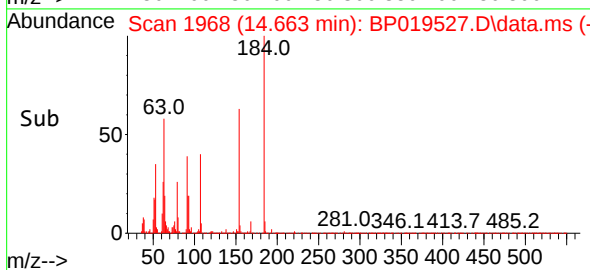
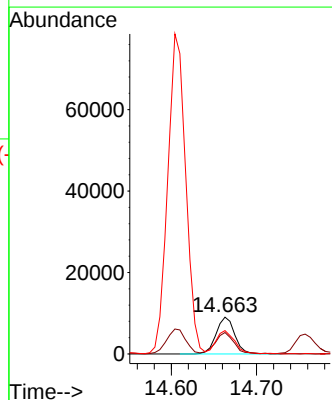
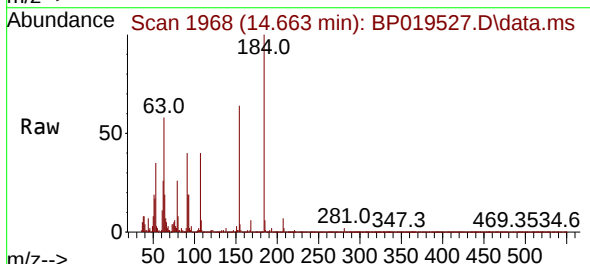
Manual Integrations
APPROVED

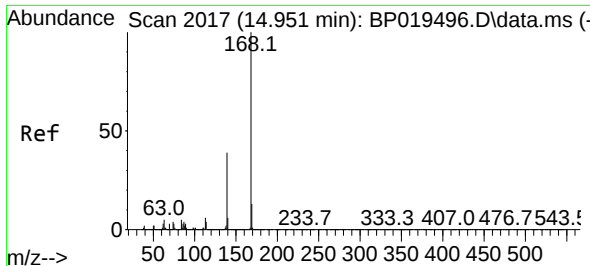
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#54
2,4-Dinitrophenol
Concen: 7.991 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

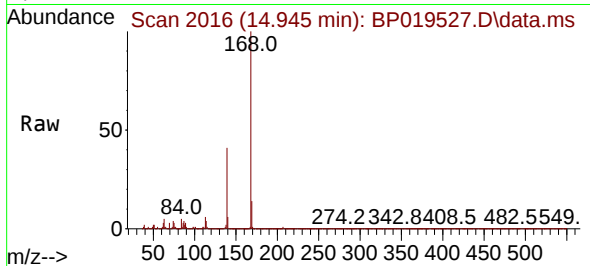
Tgt Ion:184 Resp: 13741
Ion Ratio Lower Upper
184 100
63 58.3 50.5 75.7
154 63.5 53.4 80.0





#55
Dibenzenofuran
Concen: 10.561 ng
RT: 14.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

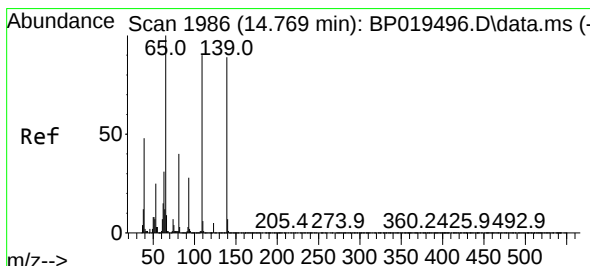
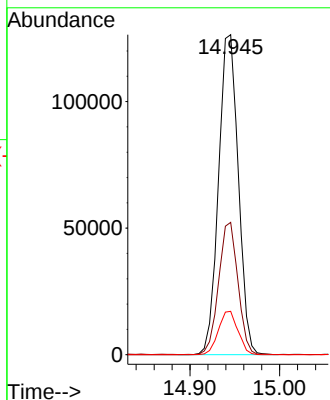
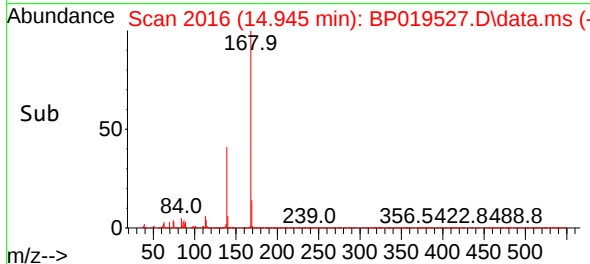
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



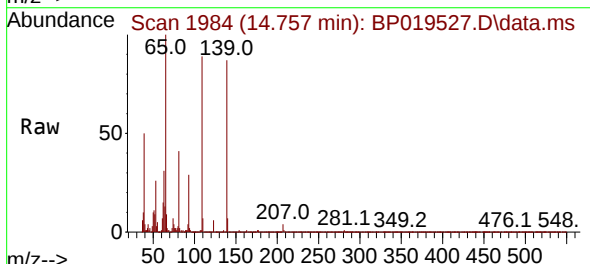
Tgt Ion:168 Resp: 193210
Ion Ratio Lower Upper
168 100
139 41.4 31.5 47.3
169 13.5 10.3 15.5

Manual Integrations
APPROVED

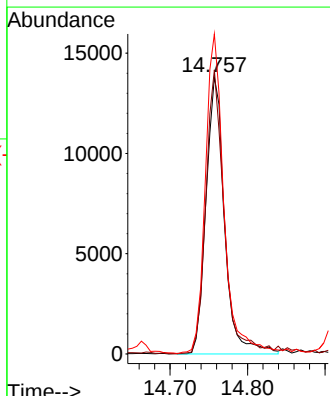
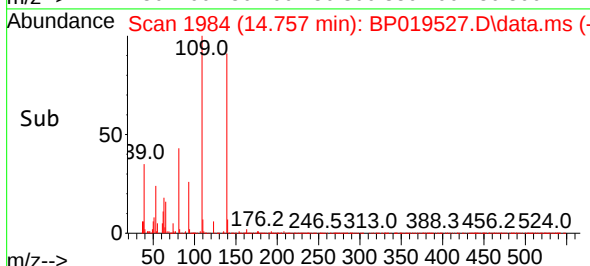
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

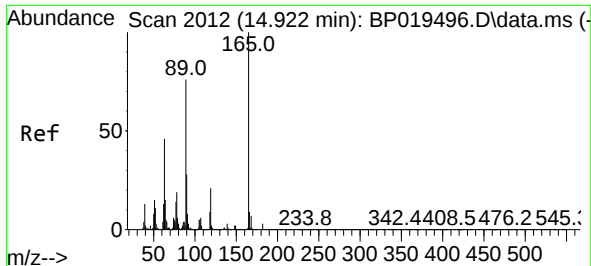


#56
4-Nitrophenol
Concen: 9.214 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30



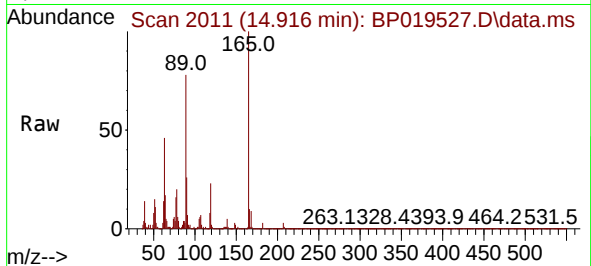
Tgt Ion:139 Resp: 22984
Ion Ratio Lower Upper
139 100
109 102.6 82.0 122.0
65 115.6 92.9 132.9





#57
2,4-Dinitrotoluene
Concen: 9.348 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

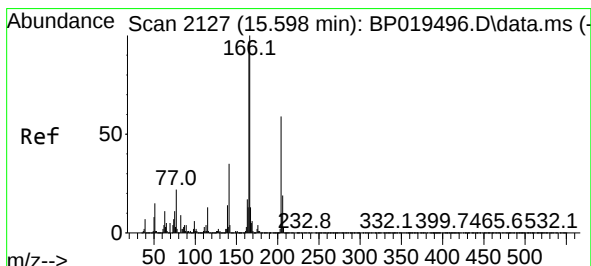
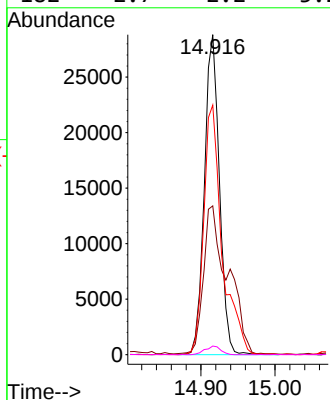
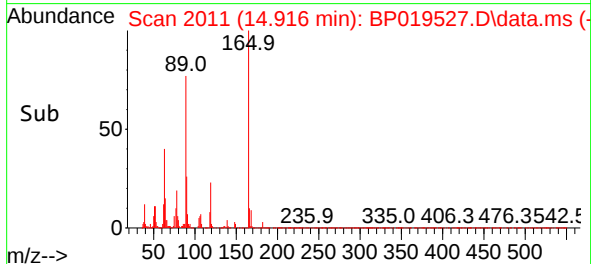
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024



Tgt Ion:165 Resp: 40569
Ion Ratio Lower Upper
165 100
63 46.5 36.9 55.3
89 78.0 61.1 91.7
182 2.7 2.2 3.2

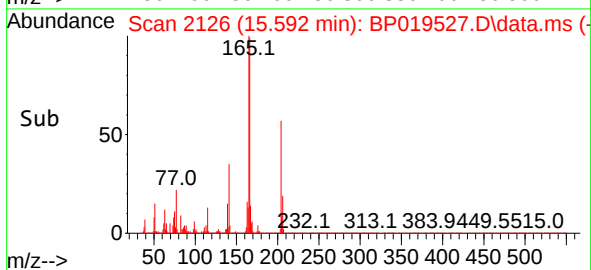
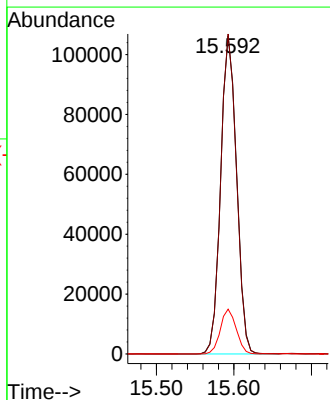
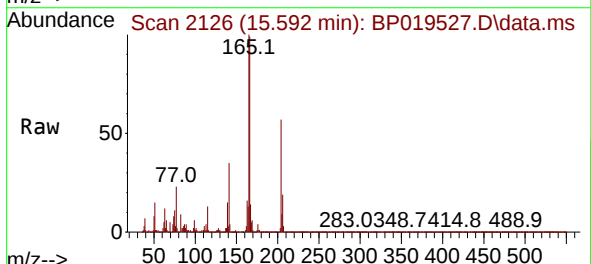
Manual Integrations
APPROVED

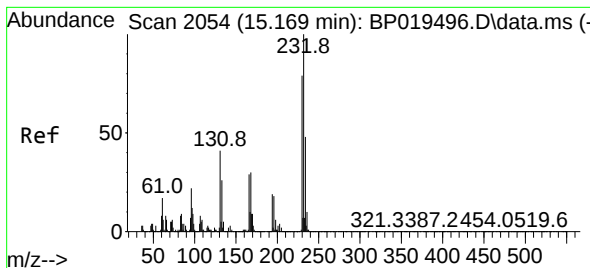
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#58
Fluorene
Concen: 10.434 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:166 Resp: 152048
Ion Ratio Lower Upper
166 100
165 100.6 77.8 116.8
167 14.1 10.7 16.1





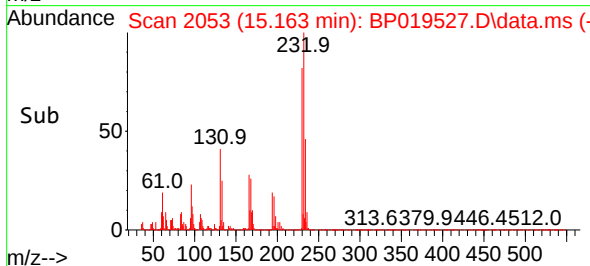
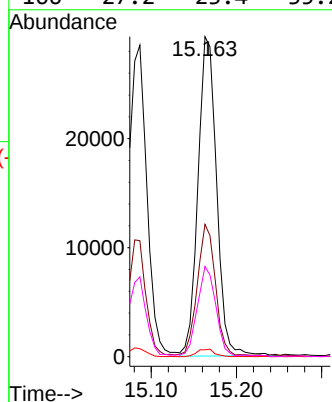
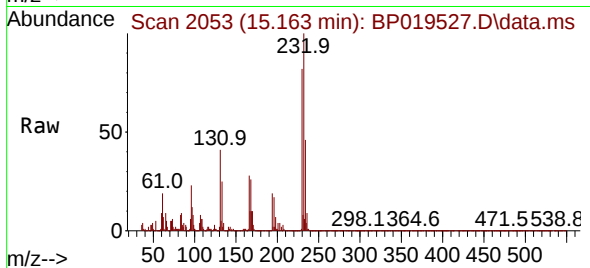
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.468 ng
RT: 15.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2024

Tgt Ion:232 Resp: 4445
Ion Ratio Lower Upper
232 100
131 40.8 32.4 48.6
130 2.3 1.9 2.9
166 27.2 23.4 35.2

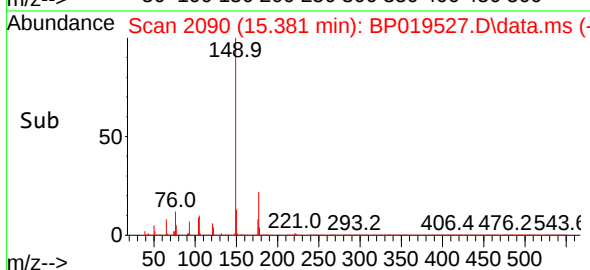
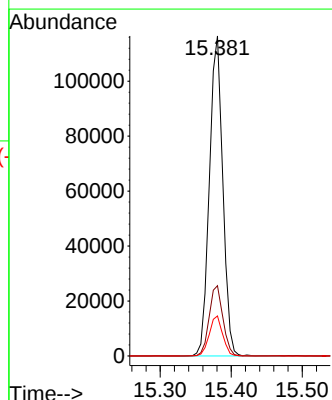
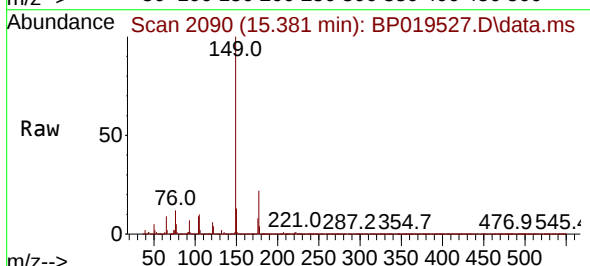
Manual Integrations
APPROVED

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



#60
Diethylphthalate
Concen: 10.185 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:149 Resp: 152703
Ion Ratio Lower Upper
149 100
177 22.0 18.2 27.2
150 12.5 10.2 15.4





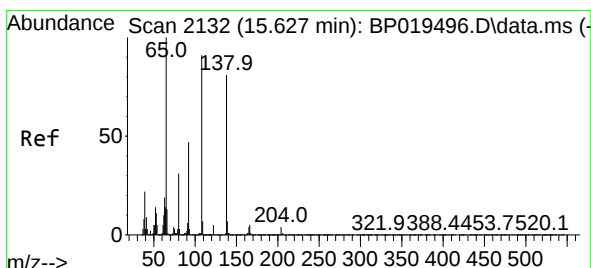
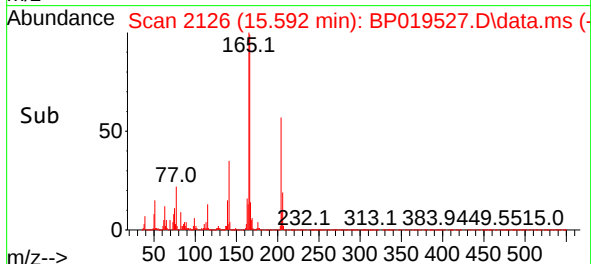
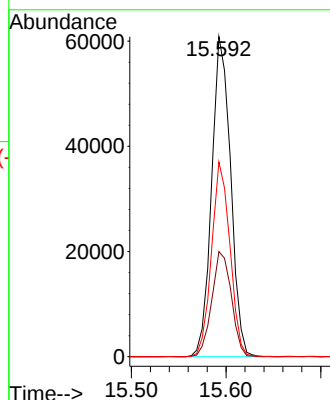
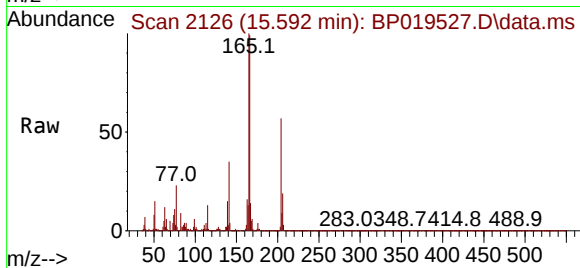
#61
4-Chlorophenyl-phenylether
Concen: 10.319 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:204 Resp: 84510
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 60.9 48.5 72.7

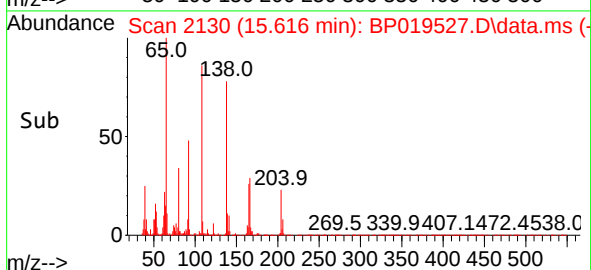
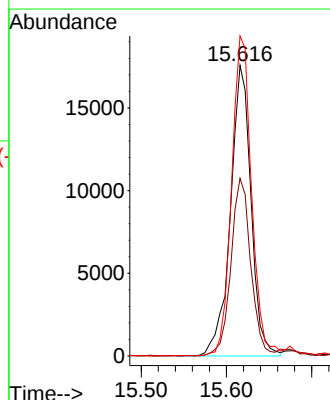
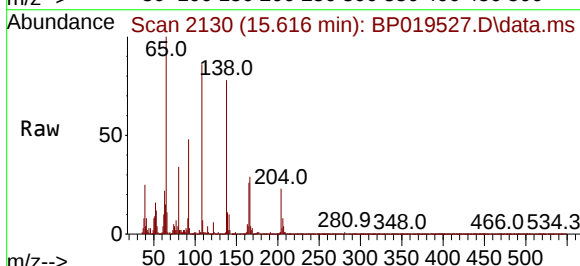
Manual Integrations
APPROVED

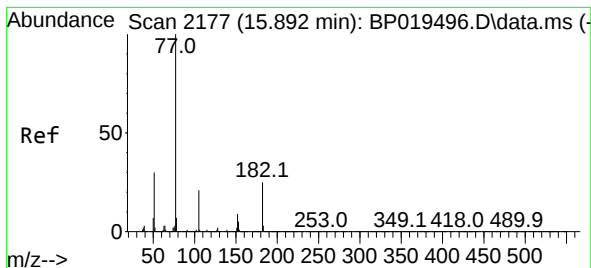
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#62
4-Nitroaniline
Concen: 9.238 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:138 Resp: 29469
Ion Ratio Lower Upper
138 100
92 61.1 38.3 78.3
108 110.2 91.2 131.2





#63

Azobenzene

Concen: 10.202 ng

RT: 15.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 77 Resp: 147908

Ion Ratio Lower Upper

77 100

182 25.1 5.1 45.1

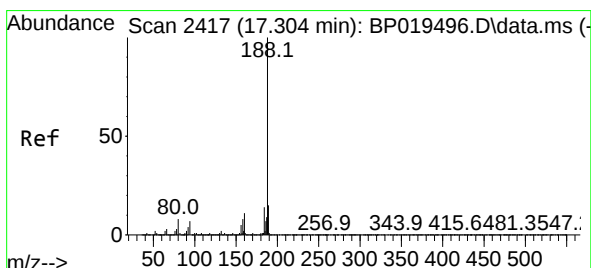
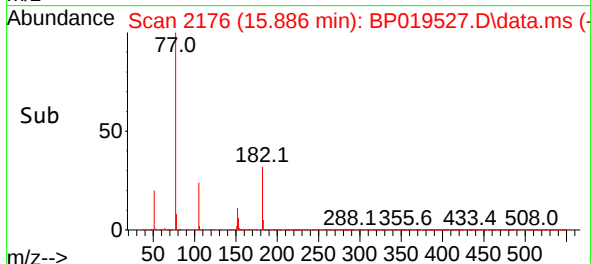
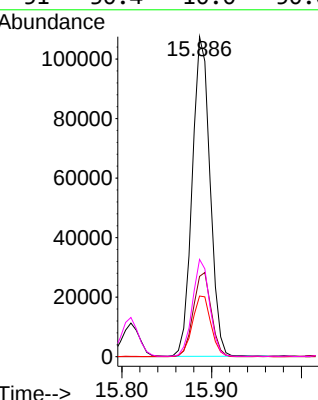
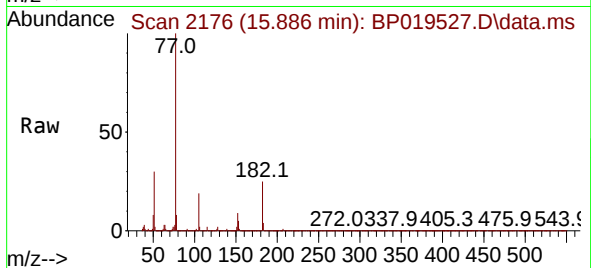
105 18.9 0.8 40.8

51 30.4 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: BP019527.D

Acq: 02 Feb 2024 14:30

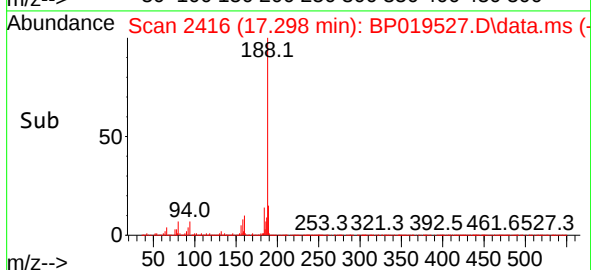
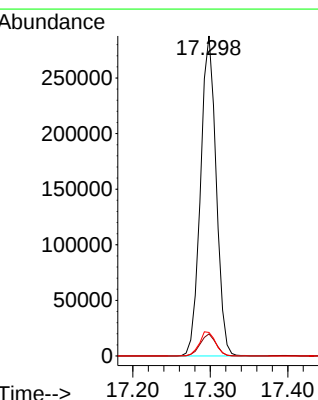
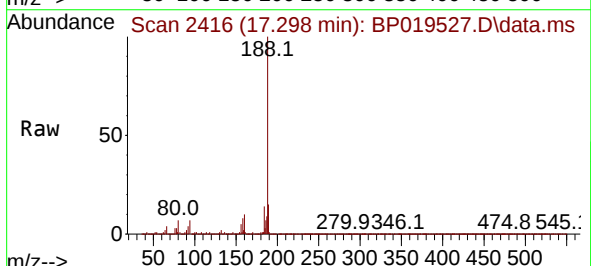
Tgt Ion:188 Resp: 403517

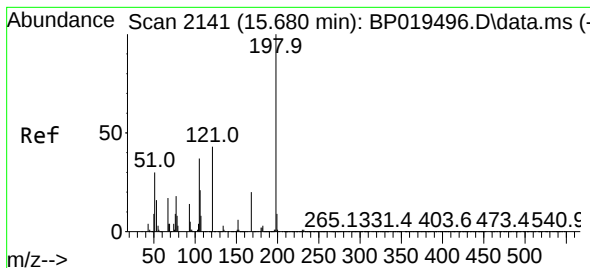
Ion Ratio Lower Upper

188 100

94 6.9 5.4 8.2

80 7.4 6.3 9.5





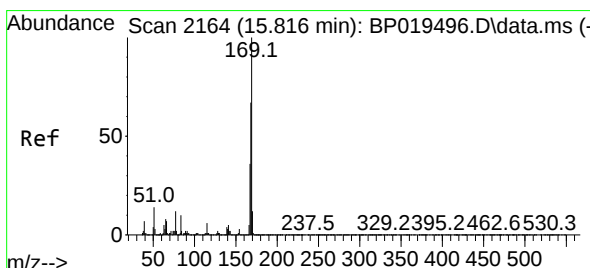
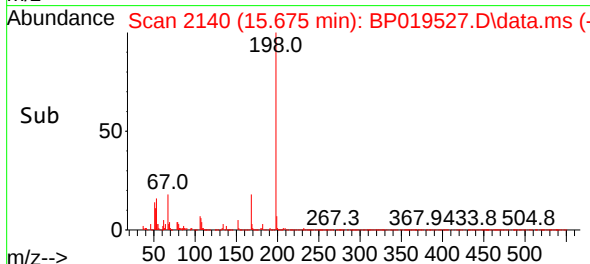
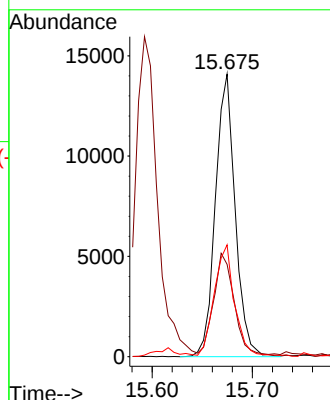
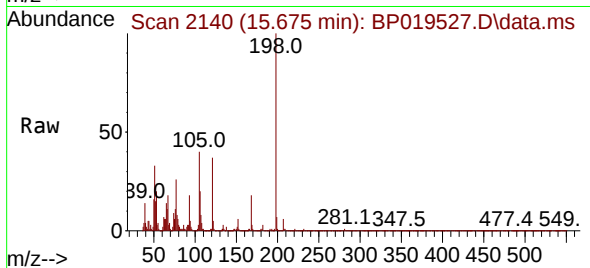
#65
4,6-Dinitro-2-methylphenol
Concen: 8.349 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:198 Resp: 19209
Ion Ratio Lower Upper
198 100
51 32.7 21.2 61.2
105 39.6 19.1 59.1

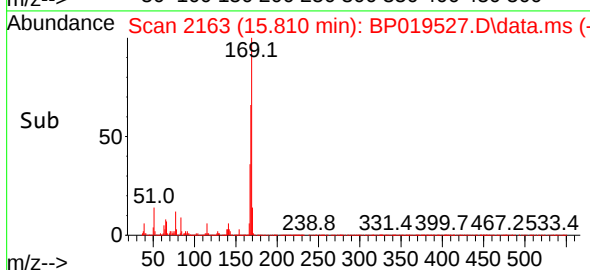
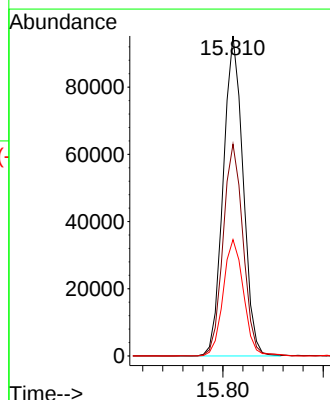
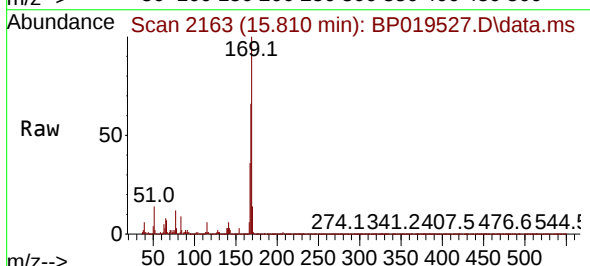
Manual Integrations
APPROVED

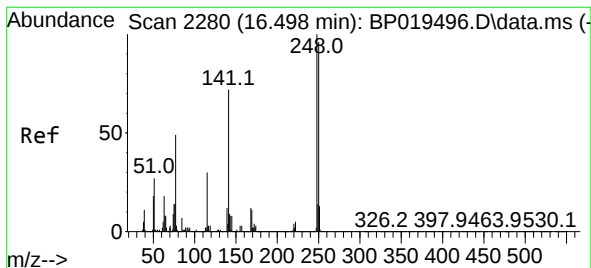
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#66
n-Nitrosodiphenylamine
Concen: 10.809 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:169 Resp: 130624
Ion Ratio Lower Upper
169 100
168 66.2 53.4 80.2
167 36.4 28.9 43.3





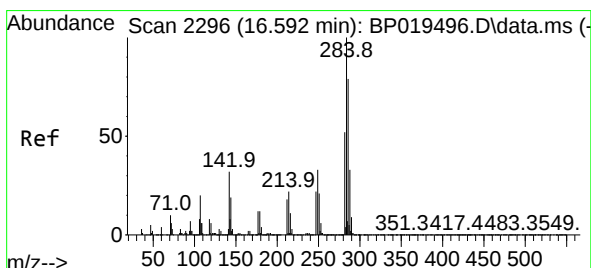
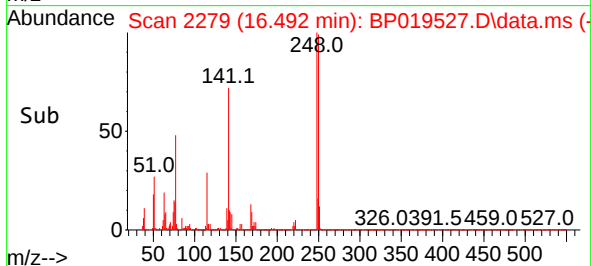
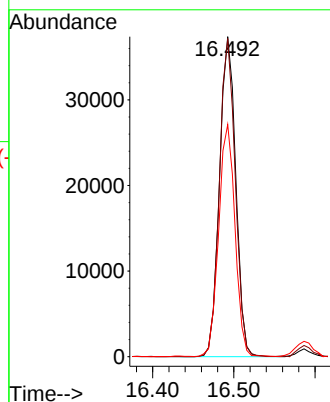
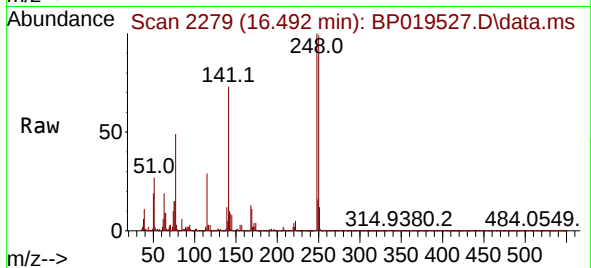
#67
4-Bromophenyl-phenylether
Concen: 10.307 ng
RT: 16.492 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:248 Resp: 51992
Ion Ratio Lower Upper
248 100
250 99.4 76.9 115.3
141 72.5 58.0 87.0

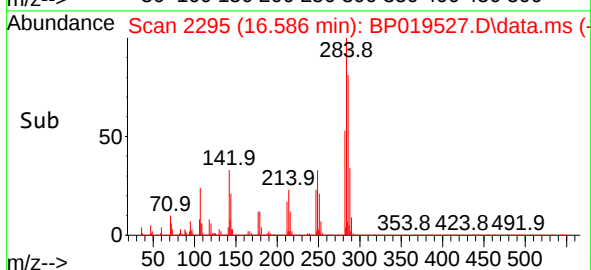
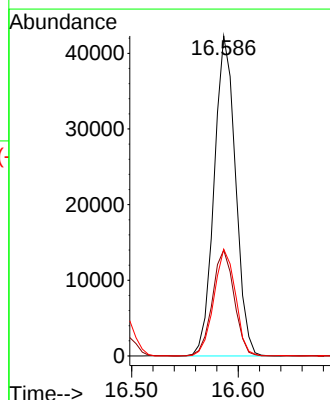
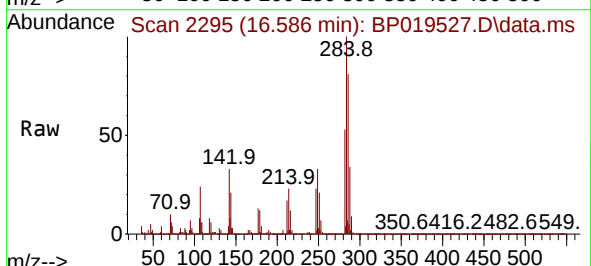
Manual Integrations
APPROVED

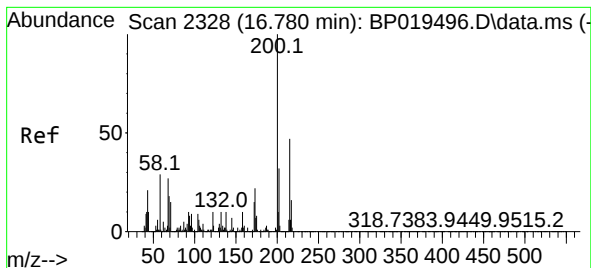
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#68
Hexachlorobenzene
Concen: 9.984 ng
RT: 16.586 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:284 Resp: 58815
Ion Ratio Lower Upper
284 100
142 33.1 25.4 38.2
249 33.3 26.5 39.7





#69

Atrazine

Concen: 11.594 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

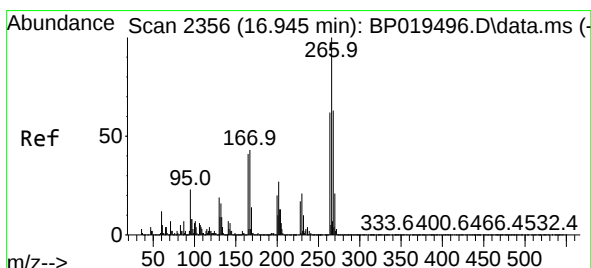
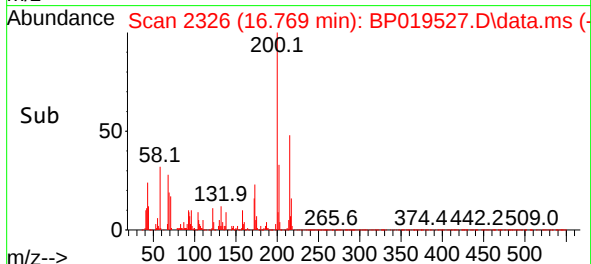
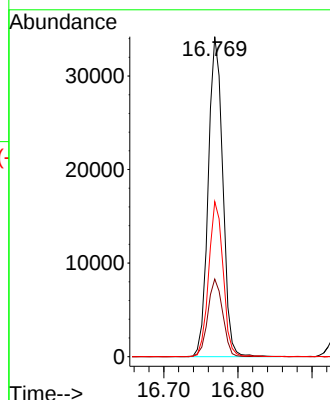
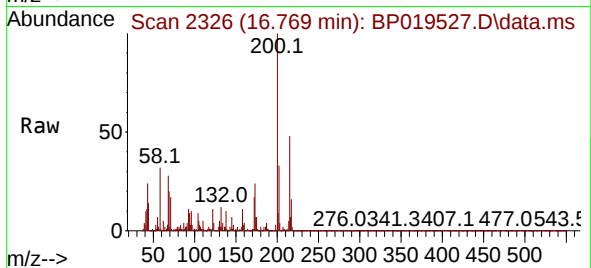
LOQ-SOIL-02-QT1-2024

Tgt Ion:200 Resp: 46490
 Ion Ratio Lower Upper
 200 100
 173 24.2 1.7 41.7
 215 48.4 26.9 66.9

Manual Integrations

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



#70

Pentachlorophenol

Concen: 8.175 ng

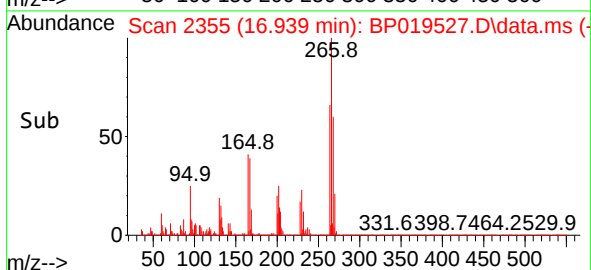
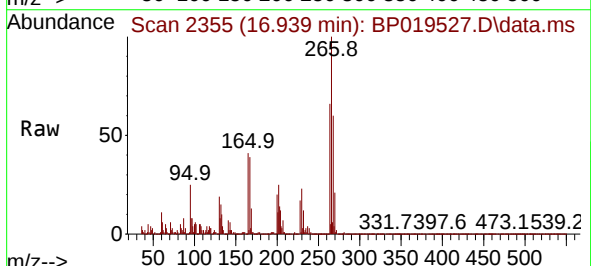
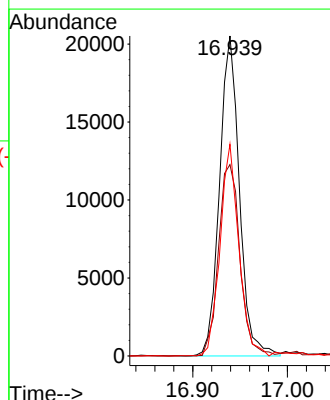
RT: 16.939 min Scan# 2355

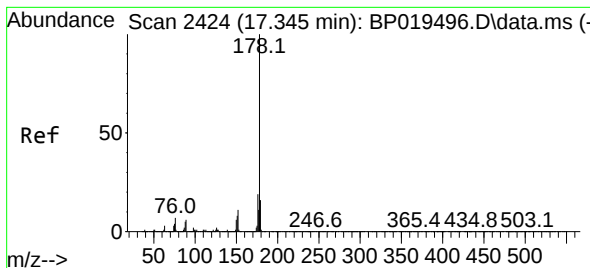
Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:266 Resp: 29989
 Ion Ratio Lower Upper
 266 100
 268 59.8 50.3 75.5
 264 66.2 49.7 74.5





#71

Phenanthrene

Concen: 10.676 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

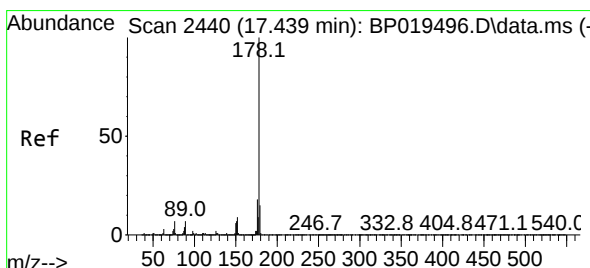
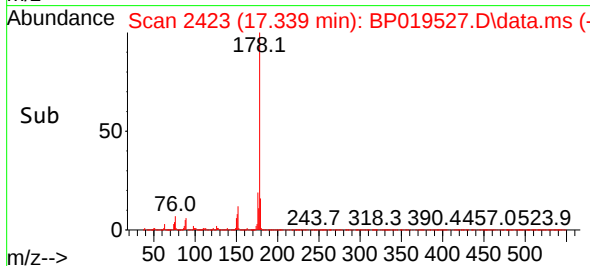
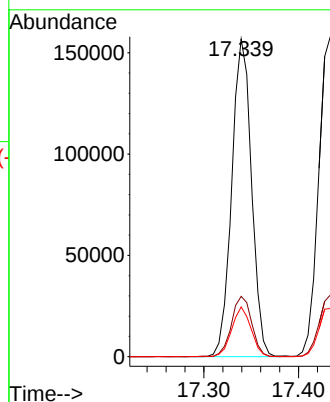
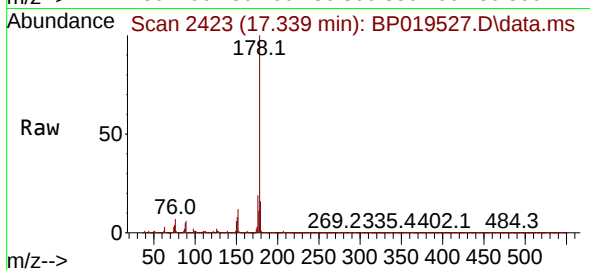
ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:178	Resp: 226708
Ion Ratio	Lower Upper
178	100
176	19.0 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: 10.680 ng

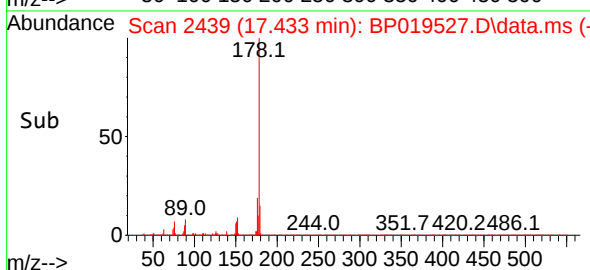
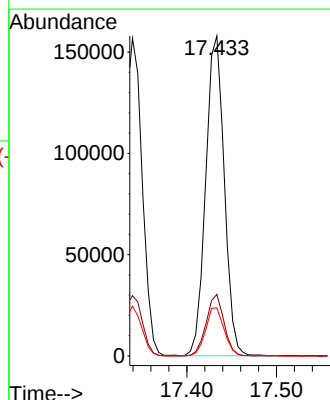
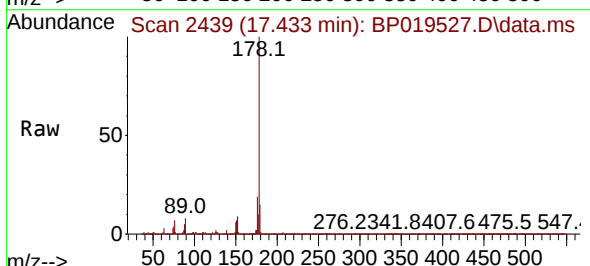
RT: 17.433 min Scan# 2439

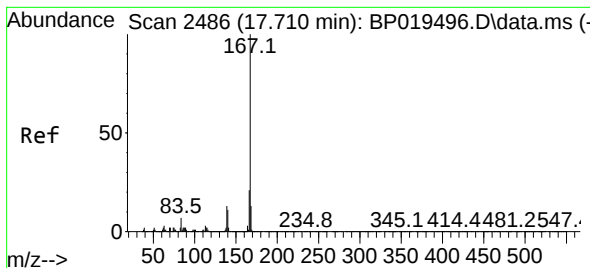
Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:178	Resp: 226246
Ion Ratio	Lower Upper
178	100
176	19.2 14.7 22.1
179	15.1 12.2 18.2





#73

Carbazole

Concen: 9.882 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

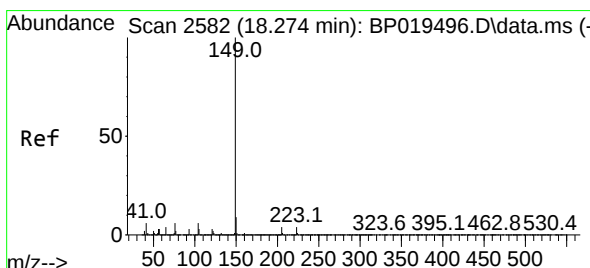
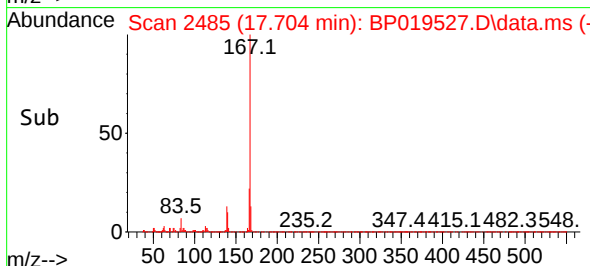
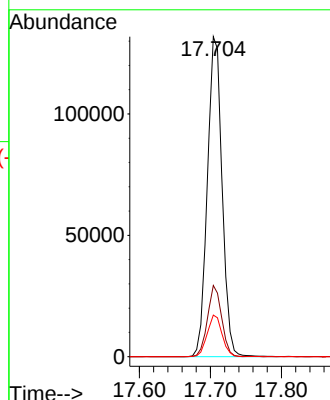
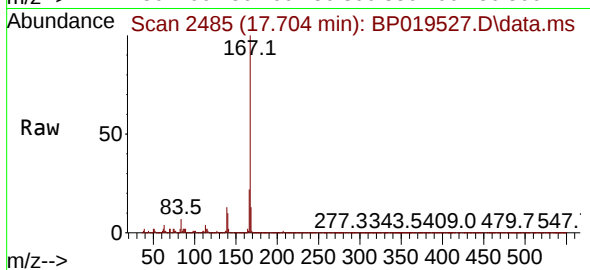
LOQ-SOIL-02-QT1-2024

Tgt Ion:167	Resp: 19017
Ion Ratio	Lower Upper
167 100	
166 22.2	17.2 25.8
139 13.0	10.6 15.8

Manual Integrations

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



#74

Di-n-butylphthalate

Concen: 8.867 ng

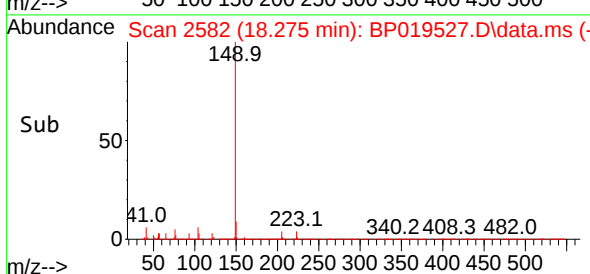
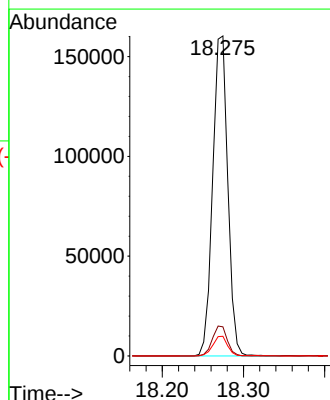
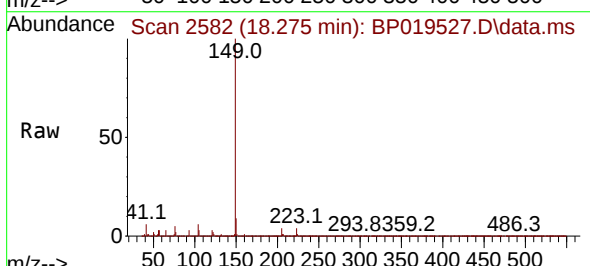
RT: 18.275 min Scan# 2582

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:149	Resp: 206319
Ion Ratio	Lower Upper
149 100	
150 9.1	7.3 10.9
104 6.1	4.8 7.2





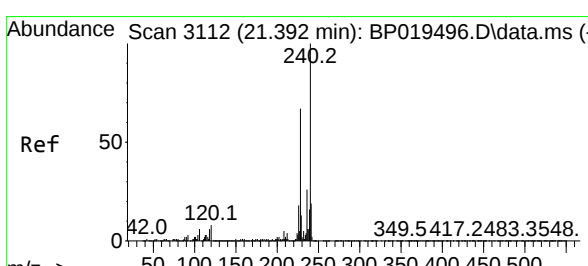
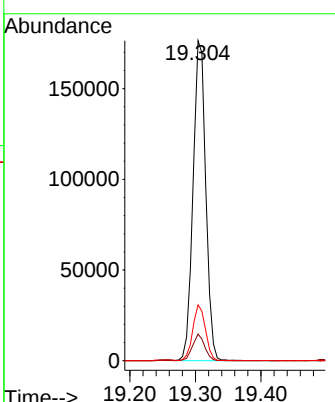
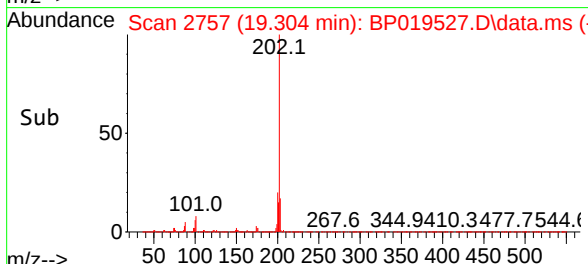
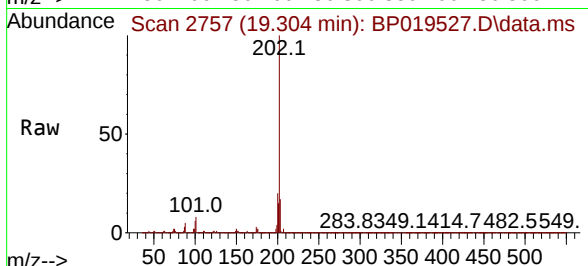
#75
 Fluoranthene
 Concen: 9.191 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019527.D
 Acq: 02 Feb 2024 14:30

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT1-2024

Tgt Ion:	202	Resp:	23844
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	27.7
203	17.5	0.0	37.5

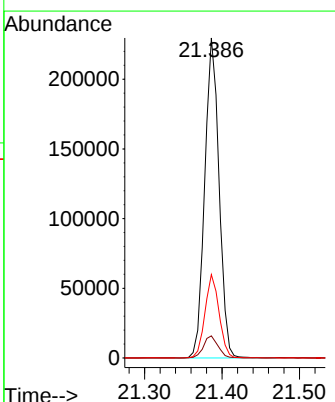
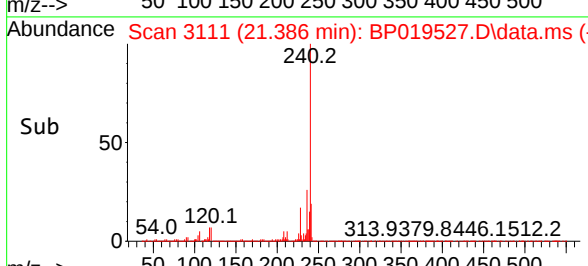
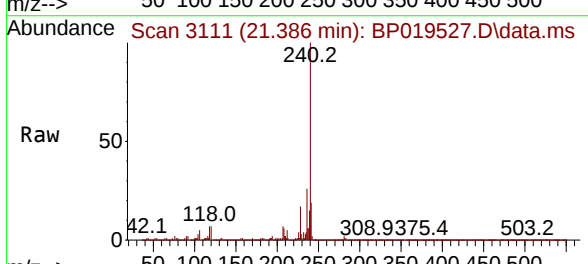
Manual Integrations
 APPROVED

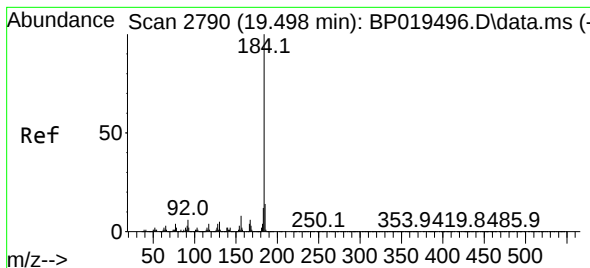
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019527.D
 Acq: 02 Feb 2024 14:30

Tgt Ion:	240	Resp:	294872
Ion Ratio	Lower	Upper	
240	100		
120	6.9	6.1	9.1
236	26.1	20.7	31.1





#77

Benzidine

Concen: 17.539 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

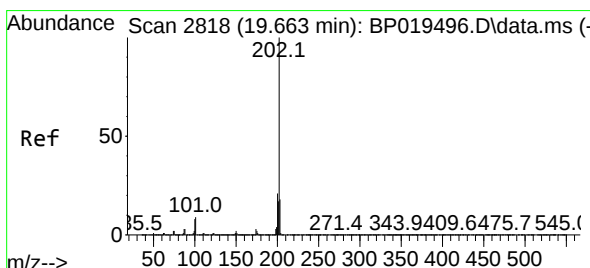
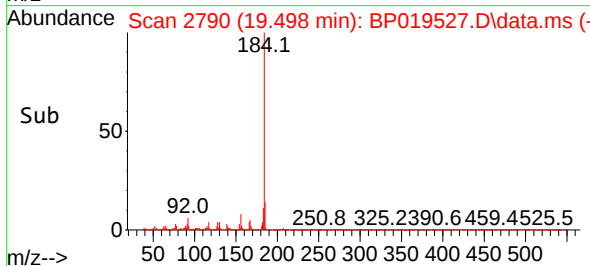
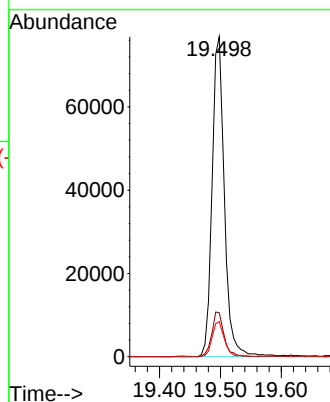
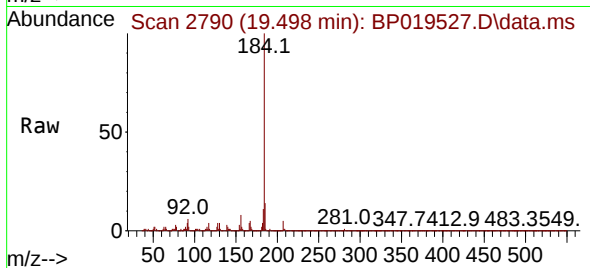
ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:184	Resp: 10812
Ion Ratio	Lower Upper
184 100	
185 13.8	11.1 16.7
183 10.9	9.7 14.5

Manual Integrations
APPROVED

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



#78

Pyrene

Concen: 11.760 ng

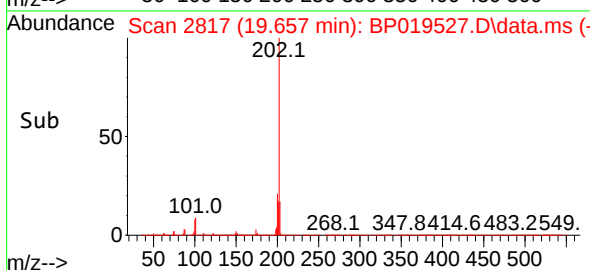
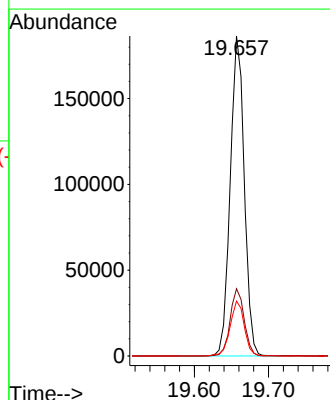
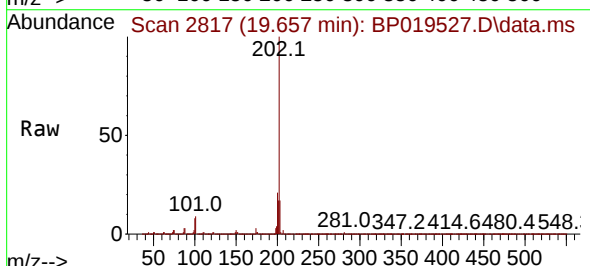
RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:202	Resp: 244725
Ion Ratio	Lower Upper
202 100	
200 21.0	16.9 25.3
203 17.2	14.2 21.2





#79

Terphenyl-d14

Concen: 92.706 ng

RT: 19.863 min Scan# 2

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:244 Resp: 1662249

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

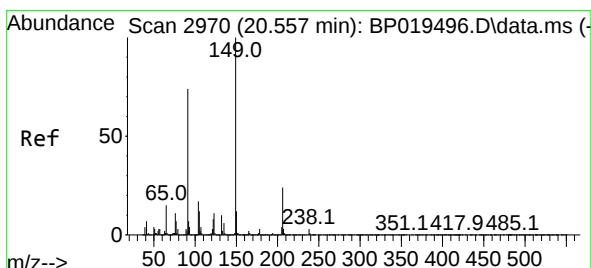
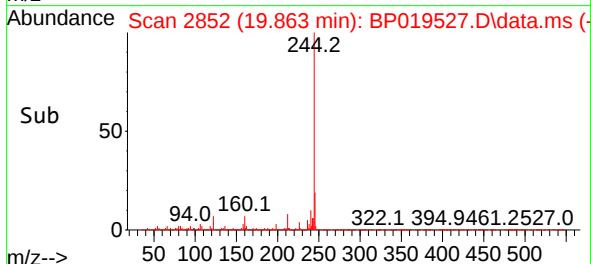
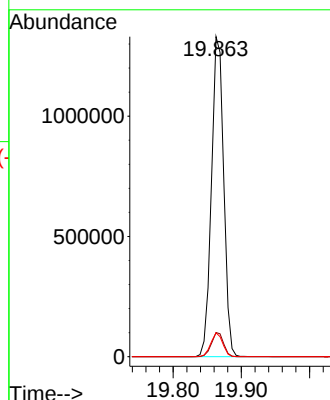
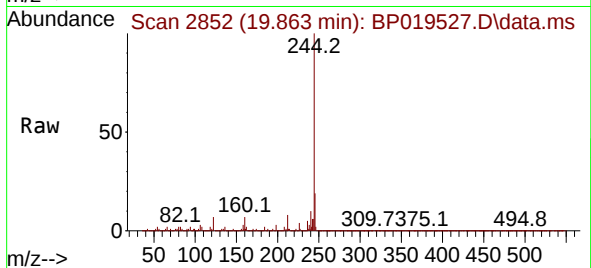
122 7.5 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#80

Butylbenzylphthalate

Concen: 9.014 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

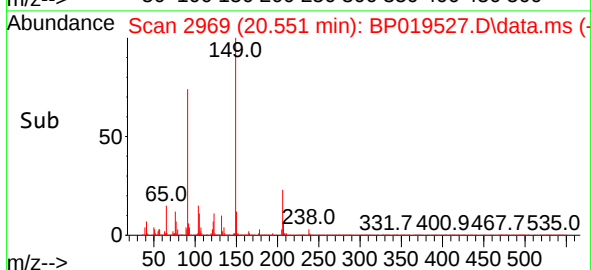
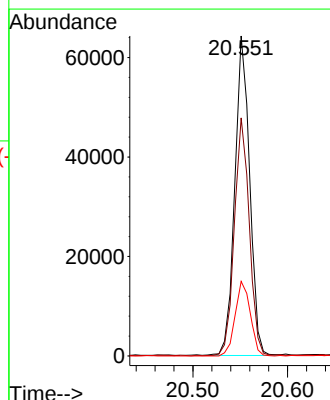
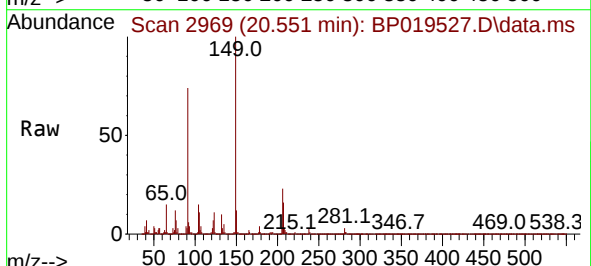
Tgt Ion:149 Resp: 70057

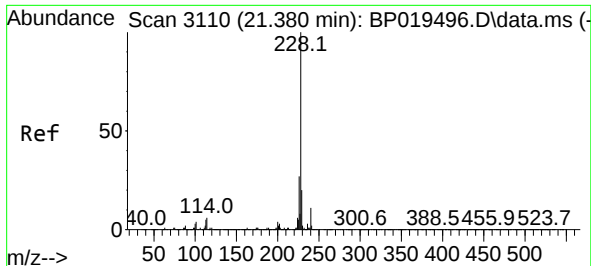
Ion Ratio Lower Upper

149 100

91 74.4 59.4 89.0

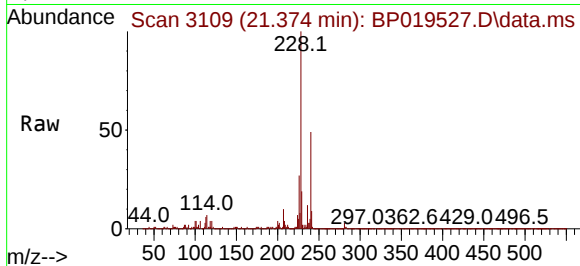
206 23.3 19.0 28.6





#81
Benzo(a)anthracene
Concen: 10.497 ng
RT: 21.374 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

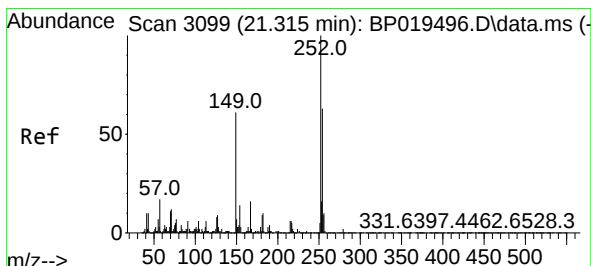
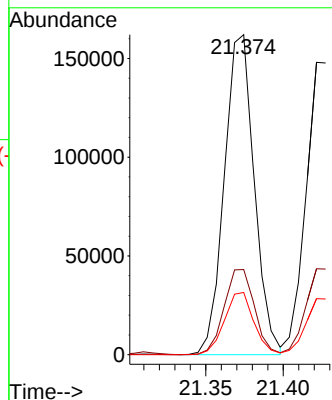
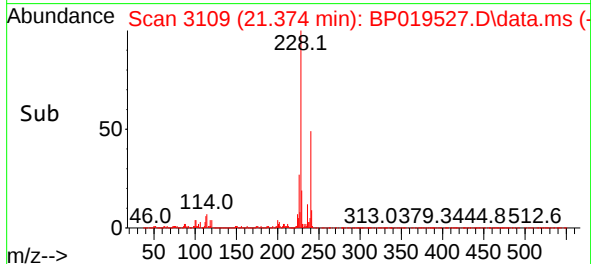
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT1-2024



Tgt Ion:228 Resp: 217889
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.6 23.4

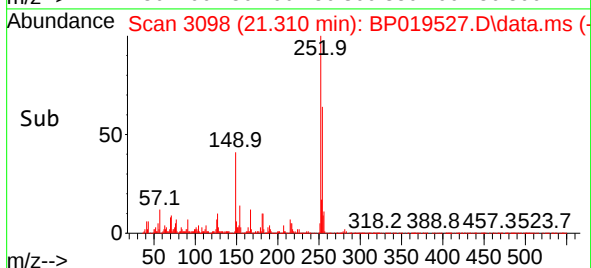
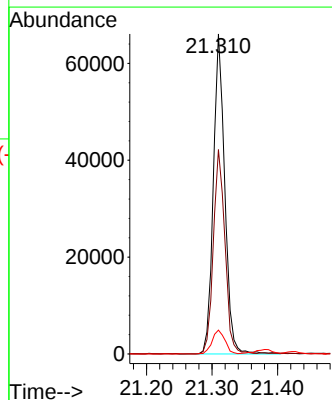
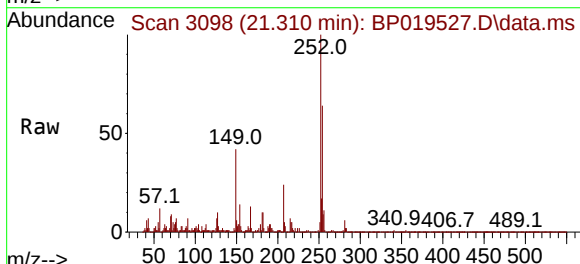
Manual Integrations
APPROVED

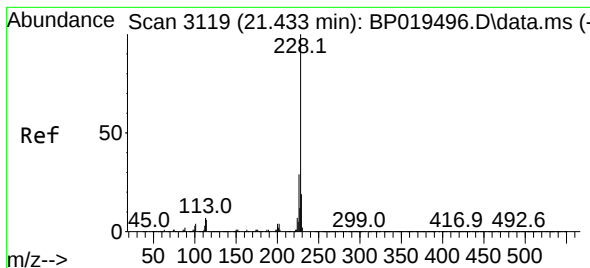
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#82
3,3'-Dichlorobenzidine
Concen: 10.621 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP019527.D
Acq: 02 Feb 2024 14:30

Tgt Ion:252 Resp: 80332
Ion Ratio Lower Upper
252 100
254 63.9 50.7 76.1
126 7.5 6.4 9.6





#83

Chrysene

Concen: 10.259 ng

RT: 21.421 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

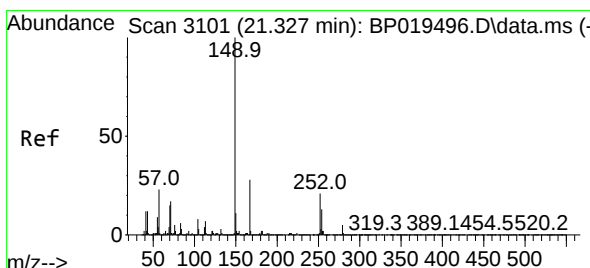
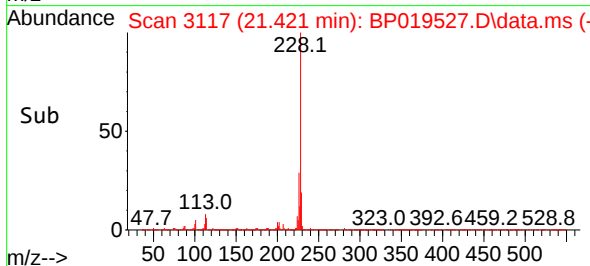
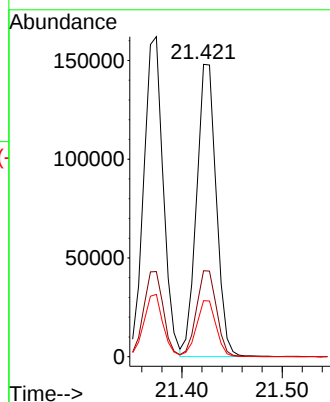
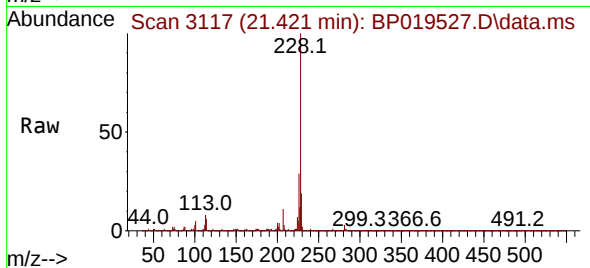
LOQ-SOIL-02-QT1-2024

Tgt Ion:	228	Resp:	202168
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.4	35.2
229	19.2	15.6	23.4

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.627 ng

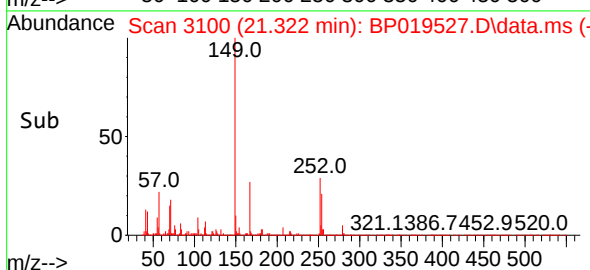
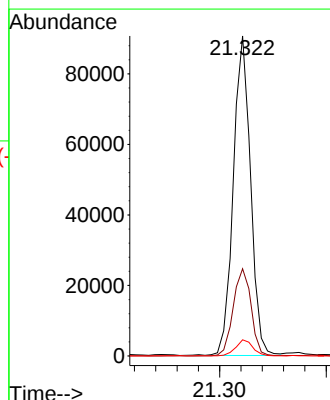
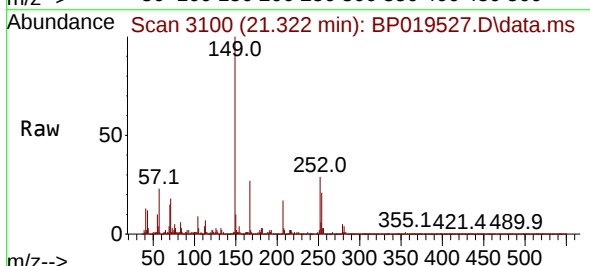
RT: 21.322 min Scan# 3100

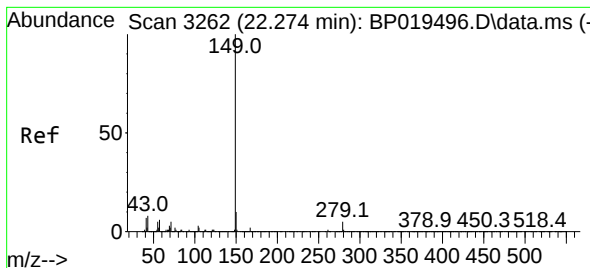
Delta R.T. -0.006 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:	149	Resp:	102091
Ion Ratio	Lower	Upper	
149	100		
167	27.2	22.7	34.1
279	5.1	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 8.081 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT1-2024

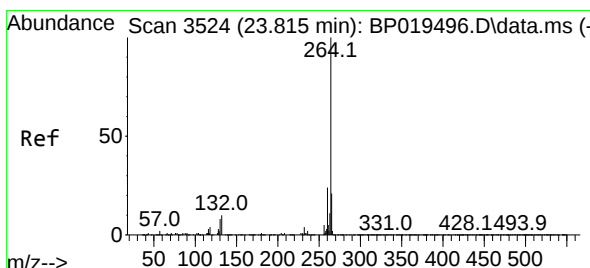
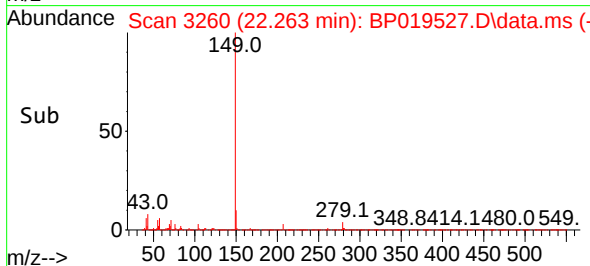
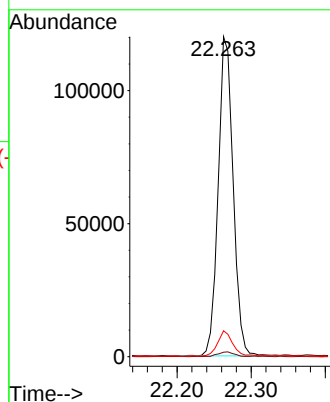
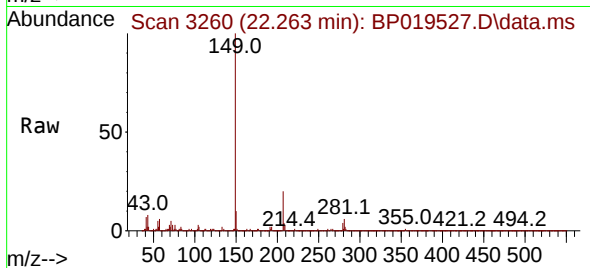
Tgt Ion:149 Resp: 16826

Ion	Ratio	Lower	Upper
149	100		
167	1.7	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: 23.804 min Scan# 3522

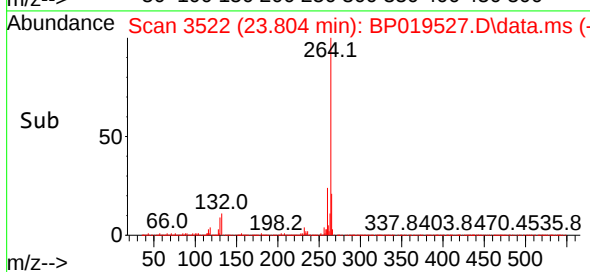
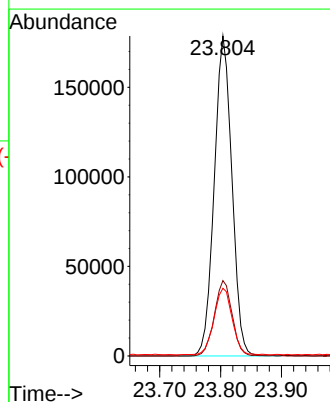
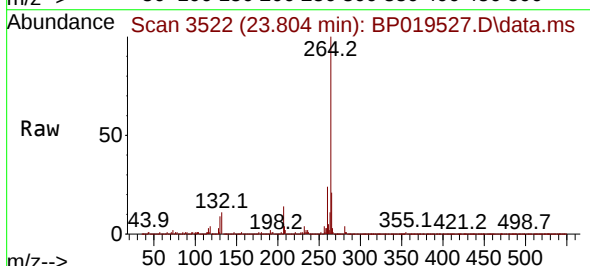
Delta R.T. -0.012 min

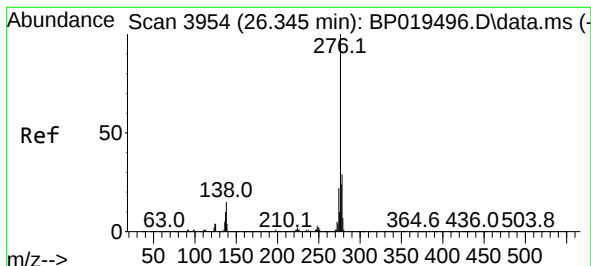
Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:264 Resp: 359891

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.1	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.009 ng

RT: 26.327 min Scan# 3951

Delta R.T. -0.017 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

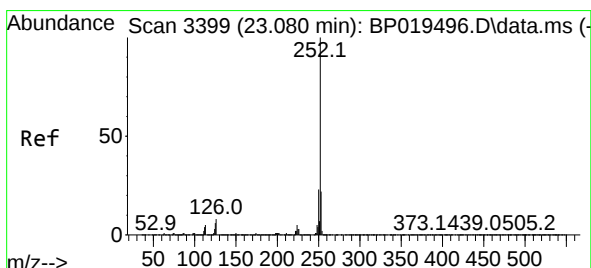
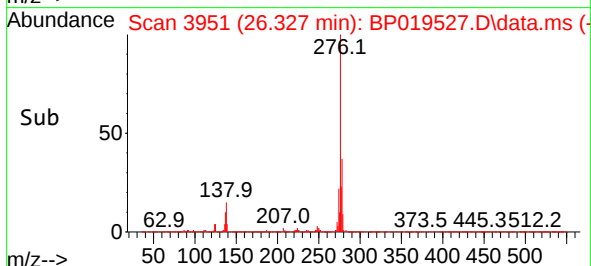
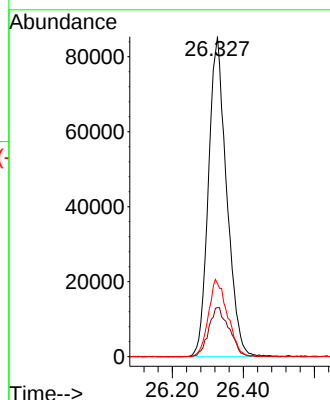
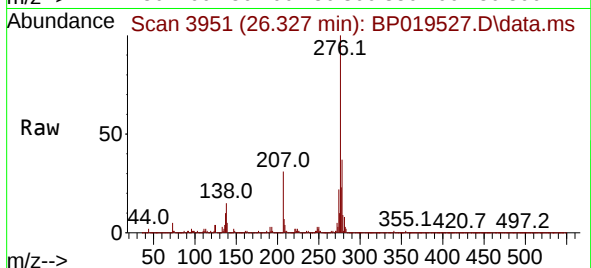
LOQ-SOIL-02-QT1-2024

Tgt Ion:	276	Resp:	30328
Ion Ratio	Lower	Upper	
276	100		
138	17.3	13.1	19.7
277	25.3	20.3	30.5

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 9.942 ng

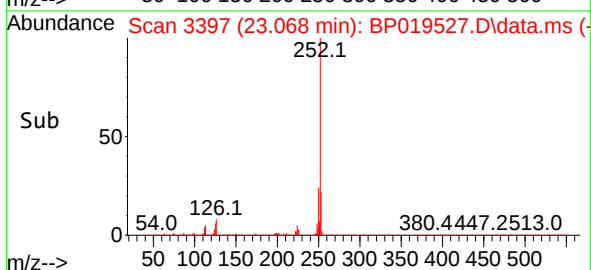
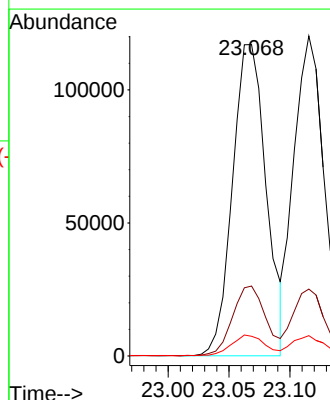
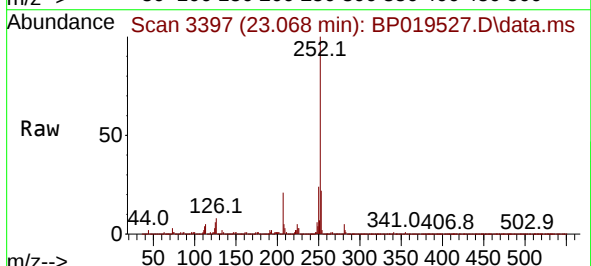
RT: 23.068 min Scan# 3397

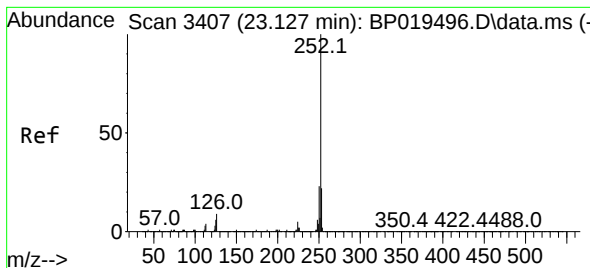
Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:	252	Resp:	225497
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	6.3	4.9	7.3





#89

Benzo(k)fluoranthene

Concen: 9.658 ng

RT: 23.116 min Scan# 34

Delta R.T. -0.011 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

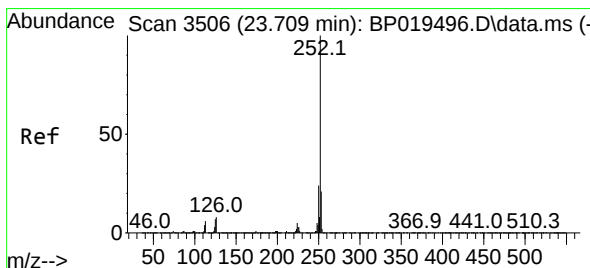
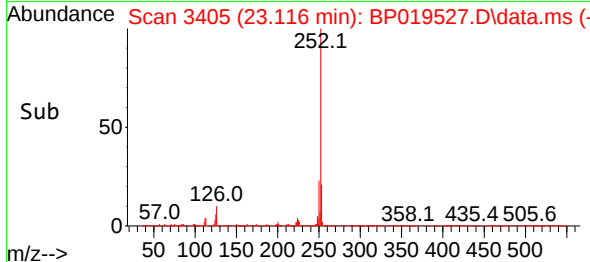
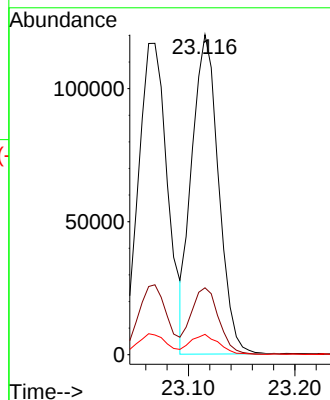
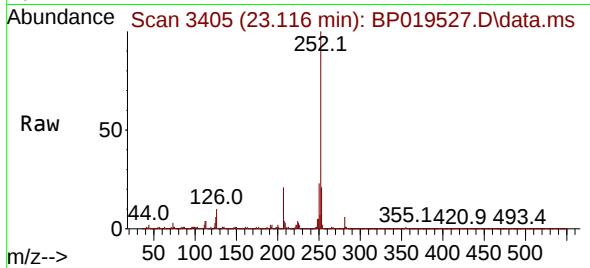
LOQ-SOIL-02-QT1-2024

Tgt Ion:252	Resp: 209269
Ion Ratio	Lower Upper
252	100
253	20.9 17.1 25.7
125	6.4 5.0 7.6

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 10.011 ng

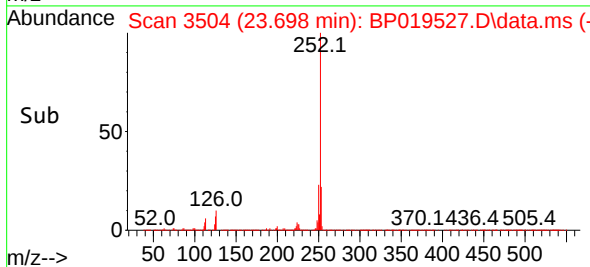
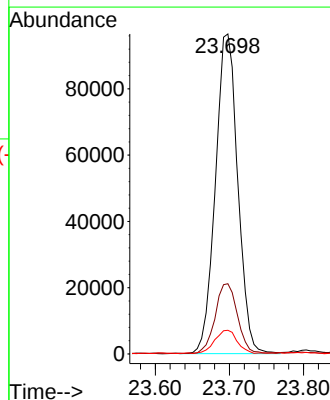
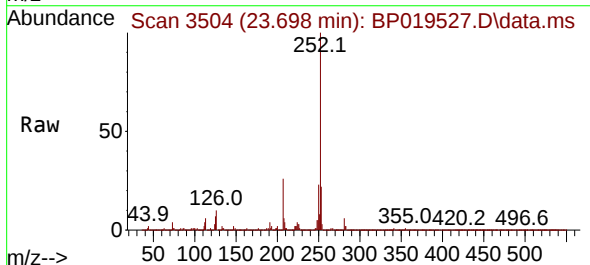
RT: 23.698 min Scan# 3504

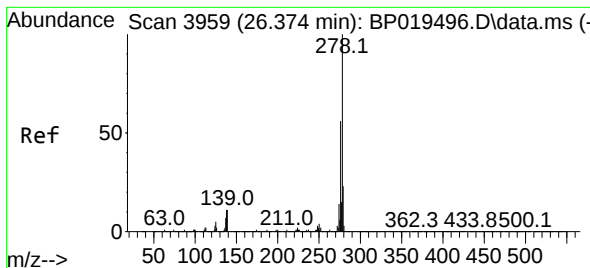
Delta R.T. -0.012 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:252	Resp: 202040
Ion Ratio	Lower Upper
252	100
253	21.9 17.1 25.7
125	7.4 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 11.154 ng

RT: 26.357 min Scan# 3956

Delta R.T. -0.017 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Instrument :

BNA_P

ClientSampleId :

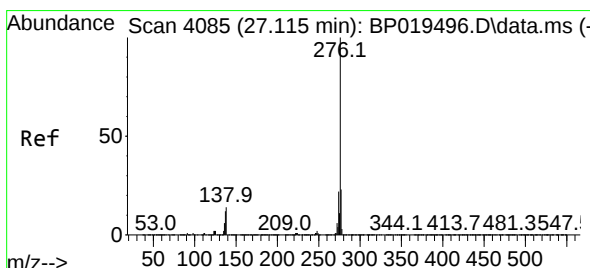
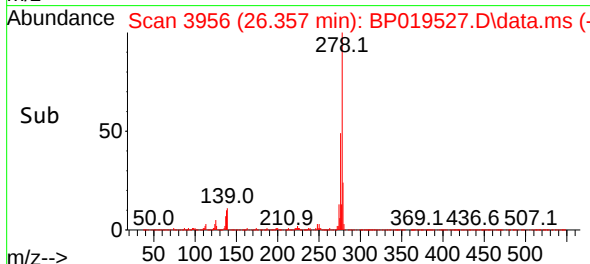
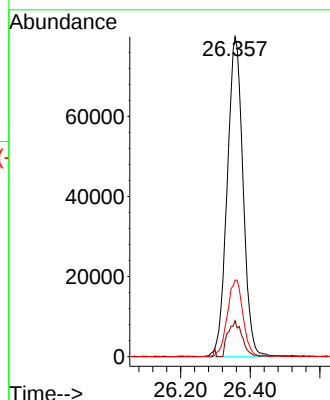
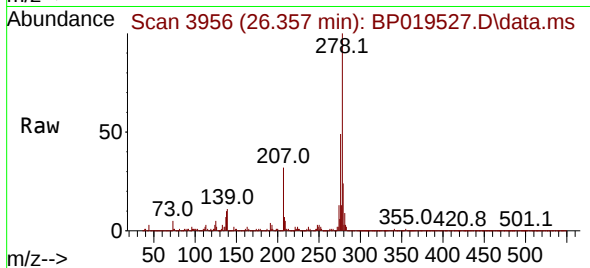
LOQ-SOIL-02-QT1-2024

Tgt Ion:	278	Resp:	25271
Ion Ratio	Lower	Upper	
278	100		
139	11.3	8.6	12.8
279	23.9	18.5	27.7

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 10.837 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.017 min

Lab File: BP019527.D

Acq: 02 Feb 2024 14:30

Tgt Ion:	276	Resp:	249099
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	14.3	10.9	16.3

