

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019547.D
 Acq On : 03 Feb 2024 02:23
 Operator : MA/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Feb 03 03:21:43 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	49442	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	190080	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	112878	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	232016	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	260299	20.000	ng	0.00
86) Perylene-d12	23.804	264	333906	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	627651	204.629	ng	0.00
7) Phenol-d6	7.081	99	814427	196.921	ng	0.00
23) Nitrobenzene-d5	9.075	82	514427	117.271	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	340977	206.891	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1120723	122.740	ng	0.00
79) Terphenyl-d14	19.863	244	1716954	108.475	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	15142	12.813	ng	97
3) Pyridine	3.787	79	34650	10.815	ng	93
4) n-Nitrosodimethylamine	3.711	42	15436	11.066	ng	# 98
6) Aniline	7.240	93	55392	13.784	ng	97
8) 2-Chlorophenol	7.469	128	35900	11.400	ng	97
9) Benzaldehyde	7.058	77	38401	13.243	ng	92
10) Phenol	7.105	94	47210	11.453	ng	91
11) bis(2-Chloroethyl)ether	7.346	93	38184	11.907	ng	97
12) 1,3-Dichlorobenzene	7.799	146	45147	11.716	ng	98
13) 1,4-Dichlorobenzene	7.946	146	45833	11.740	ng	98
14) 1,2-Dichlorobenzene	8.258	146	43398	11.489	ng	98
15) Benzyl Alcohol	8.158	79	38622	11.688	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.440	45	38335m	11.954	ng	
17) 2-Methylphenol	8.352	107	31532	11.362	ng	99
18) Hexachloroethane	8.981	117	17341	11.460	ng	96
19) n-Nitroso-di-n-propyla...	8.722	70	31435	11.128	ng	# 96
20) 3+4-Methylphenols	8.681	107	42289	11.166	ng	97
22) Acetophenone	8.740	105	61998	11.449	ng	# 98
24) Nitrobenzene	9.122	77	50996	11.546	ng	99
25) Isophorone	9.640	82	81964	10.729	ng	99
26) 2-Nitrophenol	9.828	139	17169	10.195	ng	98
27) 2,4-Dimethylphenol	9.887	122	27839	12.928	ng	94
28) bis(2-Chloroethoxy)met...	10.134	93	48511	11.223	ng	95
29) 2,4-Dichlorophenol	10.357	162	35426	10.883	ng	97
30) 1,2,4-Trichlorobenzene	10.575	180	44853	11.238	ng	92
31) Naphthalene	10.757	128	116086	11.135	ng	99
32) Benzoic acid	9.952	122	17005m	8.105	ng	
33) 4-Chloroaniline	10.881	127	45818	11.884	ng	98
34) Hexachlorobutadiene	11.034	225	32833	11.101	ng	94
35) Caprolactam	11.651	113	8964	9.727	ng	92
36) 4-Chloro-3-methylphenol	11.993	107	36067	10.161	ng	98
37) 2-Methylnaphthalene	12.369	142	78192	10.838	ng	99
38) 1-Methylnaphthalene	12.587	142	78309	11.045	ng	99
40) 1,2,4,5-Tetrachloroben...	12.728	216	53949	12.393	ng	99
41) Hexachlorocyclopentadiene	12.704	237	30650	15.585	ng	97
43) 2,4,6-Trichlorophenol	12.975	196	29508	11.194	ng	98

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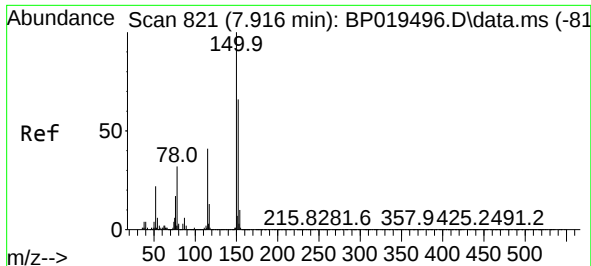
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	31911	11.024	ng	95
46) 1,1'-Biphenyl	13.381	154	108131	12.002	ng	98
47) 2-Chloronaphthalene	13.422	162	87021	11.767	ng	95
48) 2-Nitroaniline	13.628	65	21370	10.334	ng	94
49) Acenaphthylene	14.263	152	127945	12.331	ng	99
50) Dimethylphthalate	14.010	163	97003	11.226	ng	100
51) 2,6-Dinitrotoluene	14.134	165	19203	10.115	ng	90
52) Acenaphthene	14.604	154	73882	11.473	ng	98
53) 3-Nitroaniline	14.457	138	18742	10.742	ng #	98
54) 2,4-Dinitrophenol	14.663	184	8769	8.896	ng	96
55) Dibenzofuran	14.940	168	123242	11.750	ng	96
56) 4-Nitrophenol	14.751	139	14350	10.035	ng	92
57) 2,4-Dinitrotoluene	14.910	165	24442	9.824	ng	95
58) Fluorene	15.592	166	94559	11.319	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.163	232	26138	10.736	ng	97
60) Diethylphthalate	15.375	149	91066	10.595	ng	96
61) 4-Chlorophenyl-phenyle...	15.592	204	53721	11.442	ng	97
62) 4-Nitroaniline	15.616	138	18522	10.128	ng	96
63) Azobenzene	15.887	77	88677	10.669	ng	99
65) 4,6-Dinitro-2-methylph...	15.675	198	12376	9.355	ng	88
66) n-Nitrosodiphenylamine	15.810	169	79078	11.380	ng	97
67) 4-Bromophenyl-phenylether	16.492	248	31655	10.914	ng	97
68) Hexachlorobenzene	16.587	284	37907	11.192	ng	94
69) Atrazine	16.769	200	30042	13.029	ng	93
70) Pentachlorophenol	16.939	266	19787	9.381	ng	93
71) Phenanthrene	17.339	178	145704	11.933	ng	99
72) Anthracene	17.428	178	143044	11.744	ng	99
73) Carbazole	17.704	167	125544	11.346	ng	99
74) Di-n-butylphthalate	18.269	149	142135	10.624	ng	99
75) Fluoranthene	19.304	202	173792	11.651	ng	98
77) Benzidine	19.492	184	100697	18.504	ng	99
78) Pyrene	19.657	202	183502	9.989	ng	99
80) Butylbenzylphthalate	20.551	149	64496	9.401	ng	96
81) Benzo(a)anthracene	21.369	228	211637	11.550	ng	100
82) 3,3'-Dichlorobenzidine	21.310	252	80886	12.114	ng	100
83) Chrysene	21.422	228	197149	11.333	ng	99
84) Bis(2-ethylhexyl)phtha...	21.322	149	104210	9.975	ng	97
85) Di-n-octyl phthalate	22.263	149	183737	9.996	ng	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	282865	11.067	ng	99
88) Benzo(b)fluoranthene	23.063	252	237933	11.306	ng	99
89) Benzo(k)fluoranthene	23.116	252	211863	10.539	ng	99
90) Benzo(a)pyrene	23.692	252	203825	10.885	ng	99
91) Dibenzo(a,h)anthracene	26.345	278	233038	11.086	ng	99
92) Benzo(g,h,i)perylene	27.092	276	225767	10.586	ng	98

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



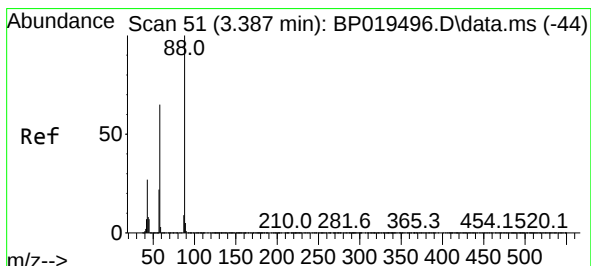
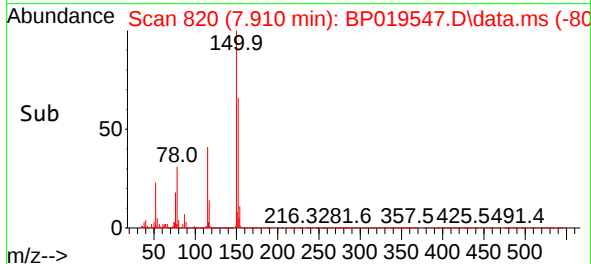
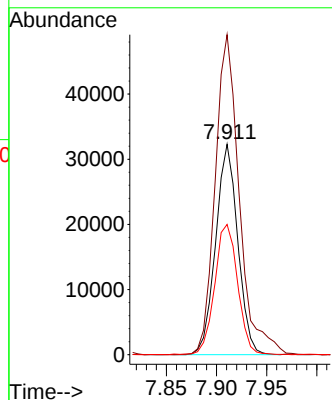
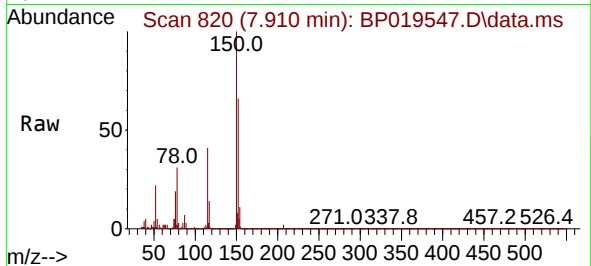
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:152 Resp: 4944
Ion Ratio Lower Upper
152 100
150 152.1 121.8 182.8
115 61.9 49.9 74.9

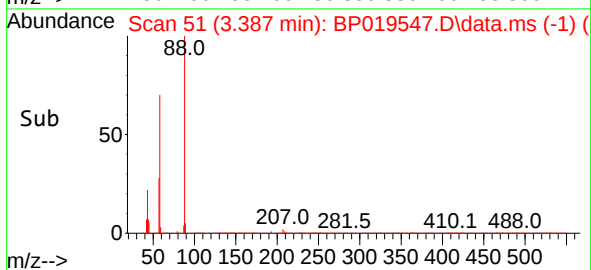
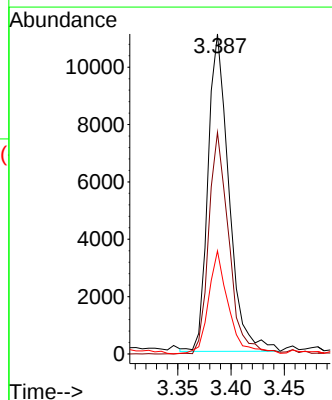
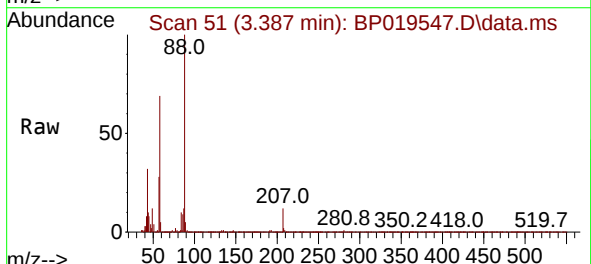
Manual Integrations
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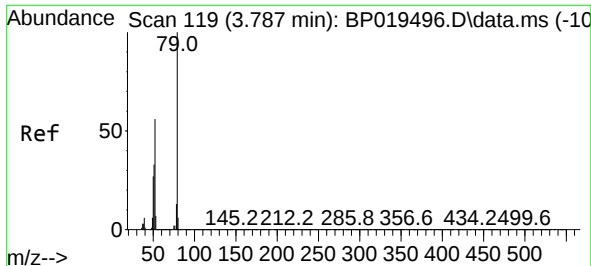
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#2
1,4-Dioxane
Concen: 12.813 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 88 Resp: 15142
Ion Ratio Lower Upper
88 100
58 67.1 52.6 78.8
43 30.8 21.9 32.9





#3

Pyridine

Concen: 10.815 ng

RT: 3.787 min Scan# 119

Delta R.T. 0.000 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

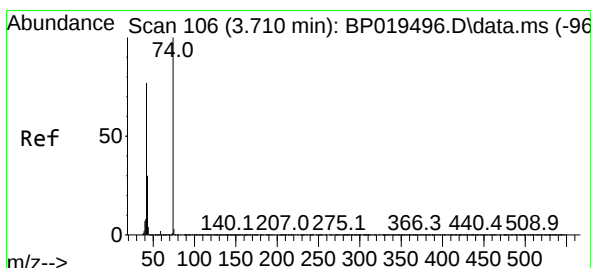
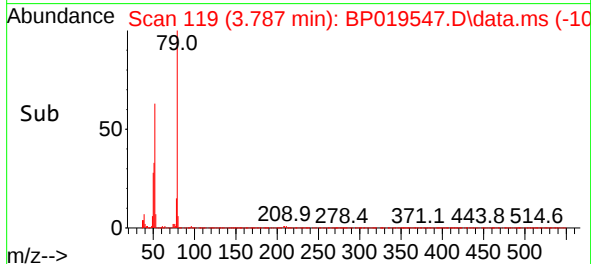
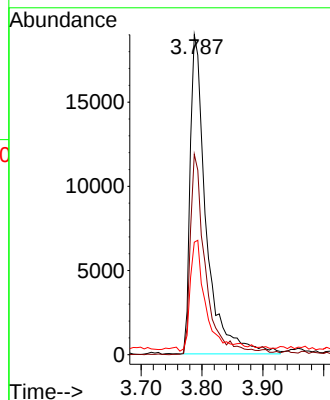
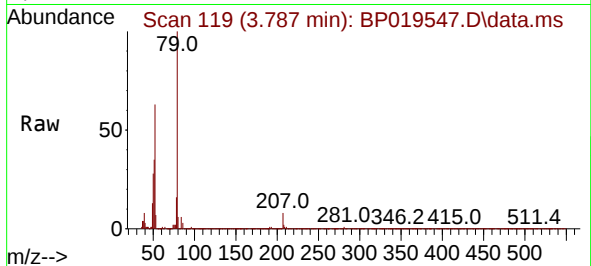
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 79	Resp: 34650
Ion Ratio	Lower Upper
79 100	
52 62.7	45.0 67.6
51 35.2	26.8 40.2

Manual Integrations

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Supervised By :mohammad ahmed 02/06/2024



#4

n-Nitrosodimethylamine

Concen: 11.066 ng

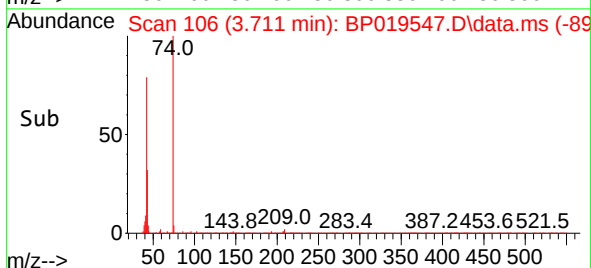
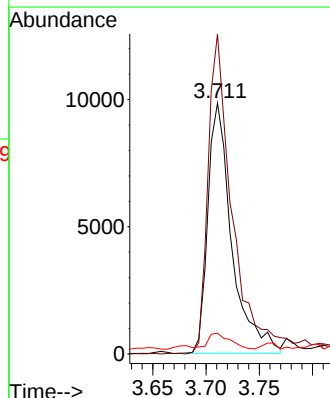
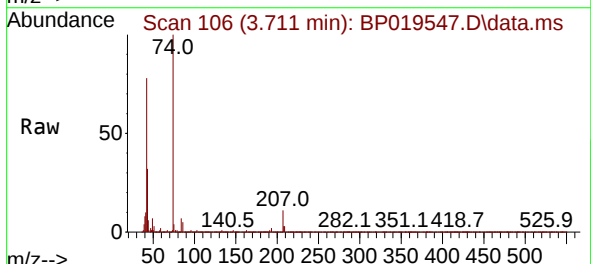
RT: 3.711 min Scan# 106

Delta R.T. 0.000 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion: 42	Resp: 15436
Ion Ratio	Lower Upper
42 100	
74 127.5	103.4 155.2
44 8.2	4.8 7.2





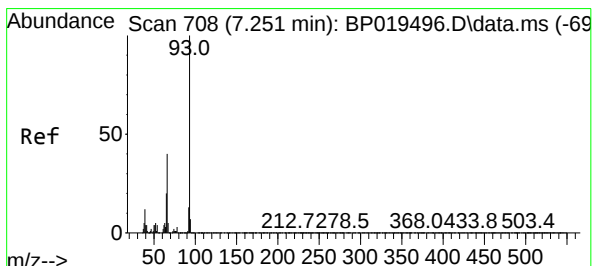
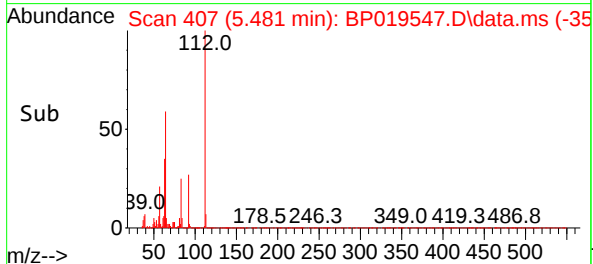
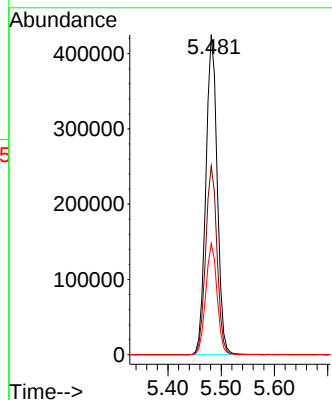
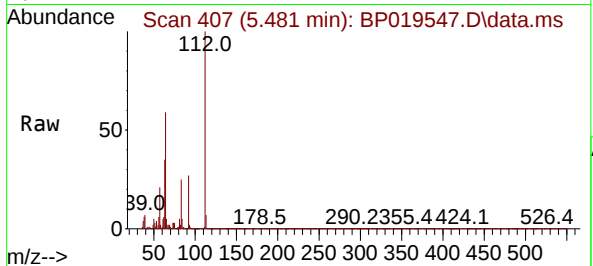
#5
2-Fluorophenol
Concen: 204.629 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:112 Resp: 62765
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.0
63 34.7 27.0 40.6

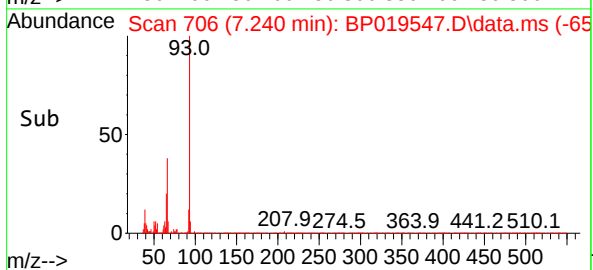
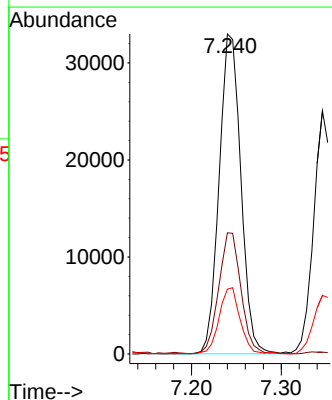
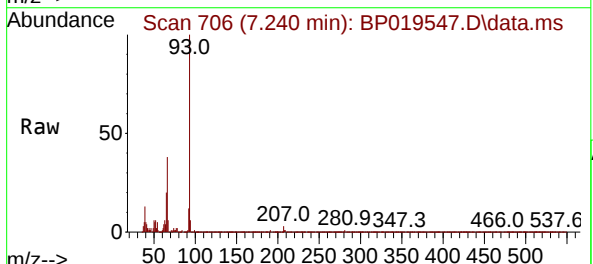
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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#6
Aniline
Concen: 13.784 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

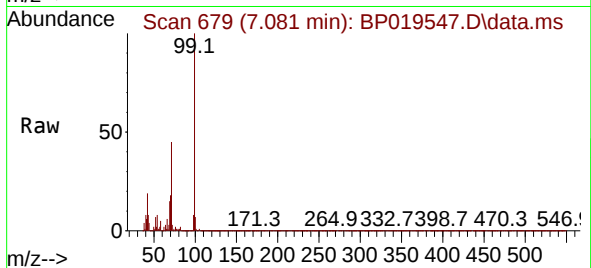
Tgt Ion: 93 Resp: 55392
Ion Ratio Lower Upper
93 100
66 37.8 32.3 48.5
65 20.3 16.4 24.6





#7
Phenol-d6
Concen: 196.921 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

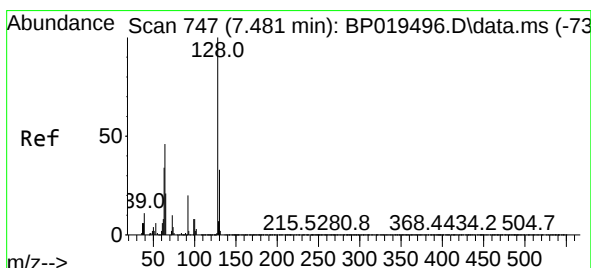
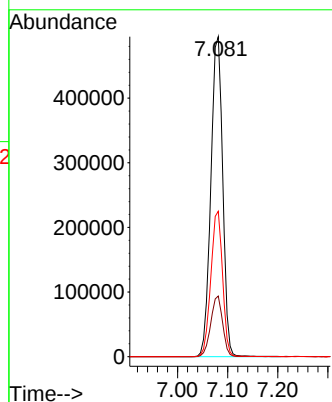
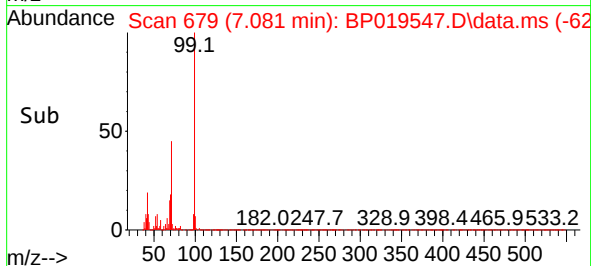
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion: 99 Resp: 81442
Ion Ratio Lower Upper
99 100
42 19.0 14.7 22.1
71 45.4 34.8 52.2

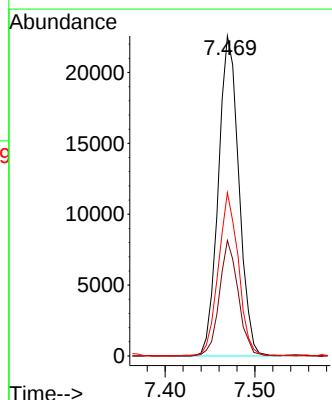
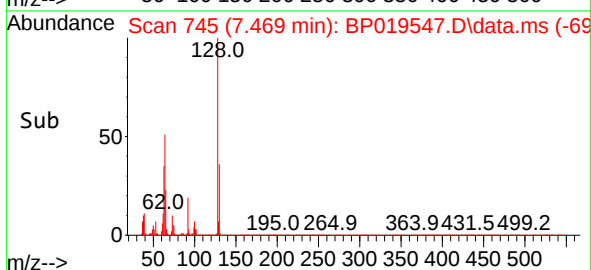
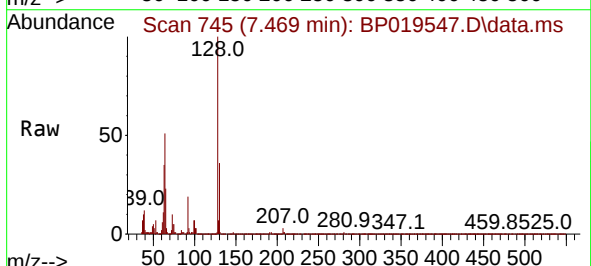
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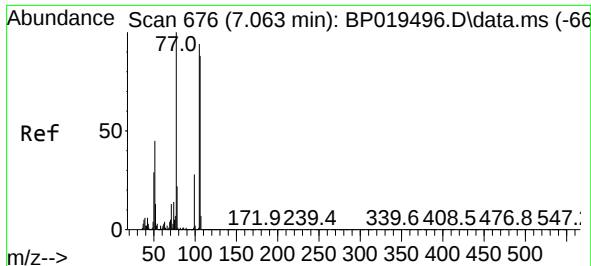
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#8
2-Chlorophenol
Concen: 11.400 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:128 Resp: 35900
Ion Ratio Lower Upper
128 100
130 36.1 13.3 53.3
64 51.0 29.7 69.7





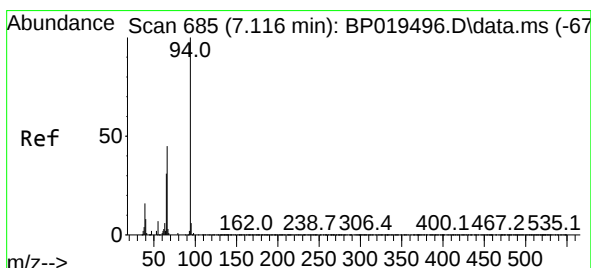
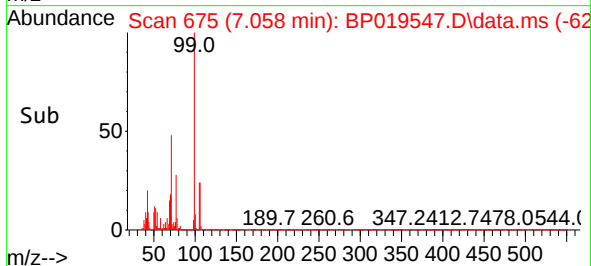
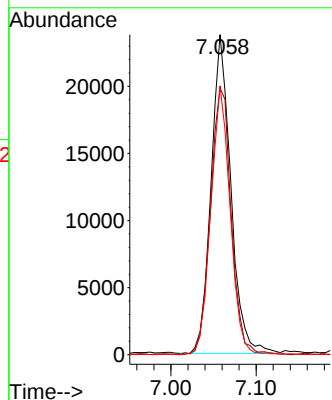
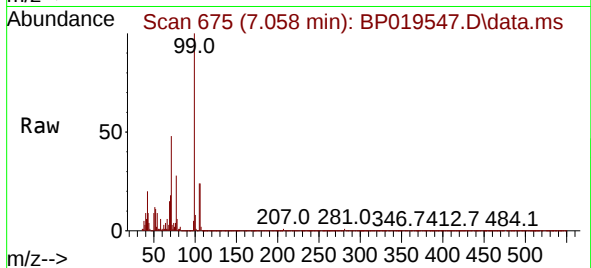
#9
Benzaldehyde
Concen: 13.243 ng
RT: 7.058 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 77 Resp: 3840
Ion Ratio Lower Upper
77 100
105 83.3 74.0 114.0
106 84.0 67.8 107.8

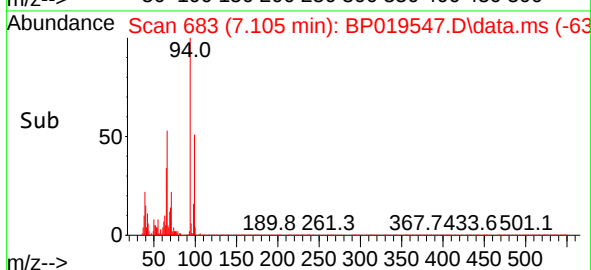
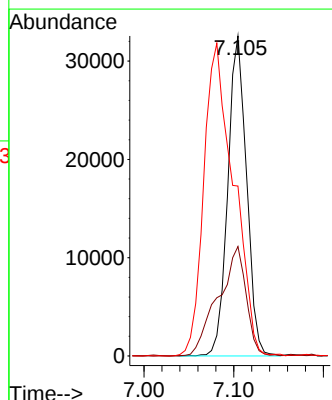
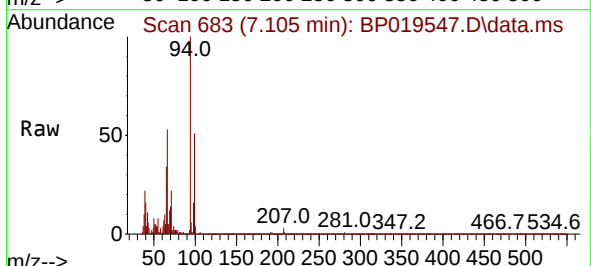
Manual Integrations
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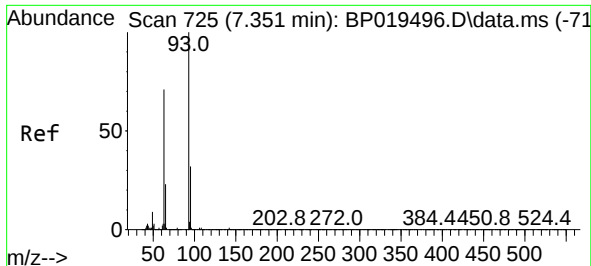
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#10
Phenol
Concen: 11.453 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

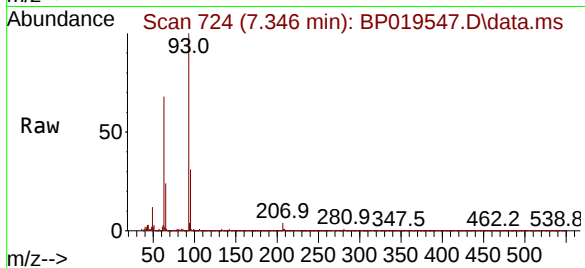
Tgt Ion: 94 Resp: 47210
Ion Ratio Lower Upper
94 100
65 34.2 11.3 51.3
66 53.1 25.1 65.1





#11
bis(2-Chloroethyl)ether
Concen: 11.907 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

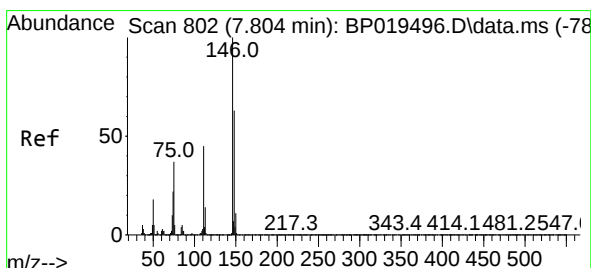
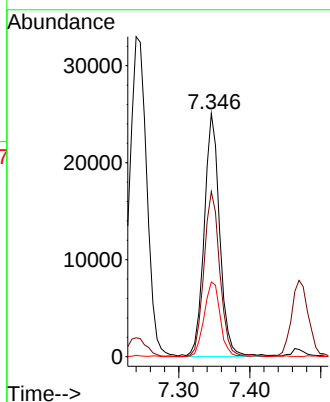
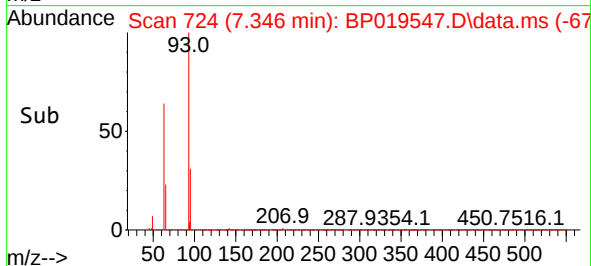
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



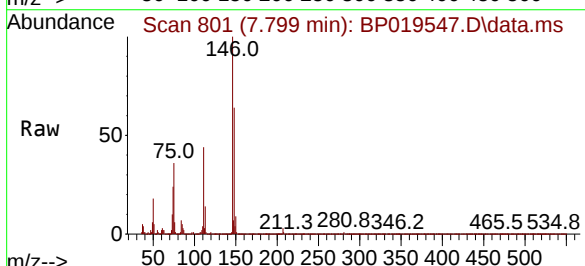
Tgt Ion: 93 Resp: 38184
Ion Ratio Lower Upper
93 100
63 67.9 51.2 91.2
95 30.7 11.8 51.8

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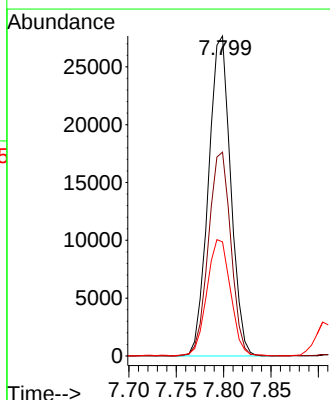
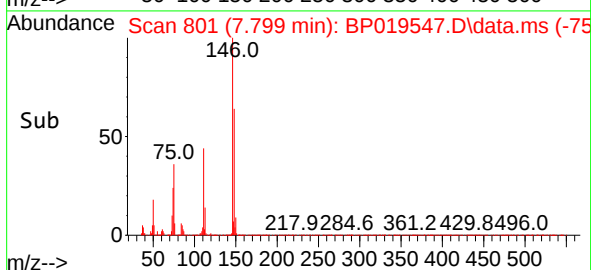
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#12
1,3-Dichlorobenzene
Concen: 11.716 ng
RT: 7.799 min Scan# 801
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23



Tgt Ion:146 Resp: 45147
Ion Ratio Lower Upper
146 100
148 63.7 50.4 75.6
75 35.7 29.9 44.9





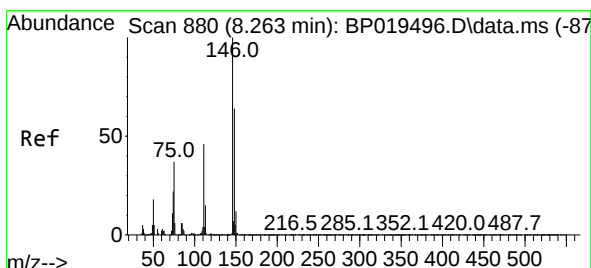
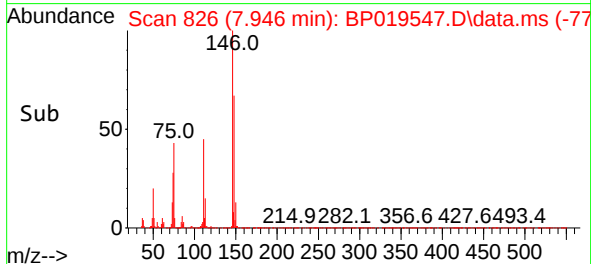
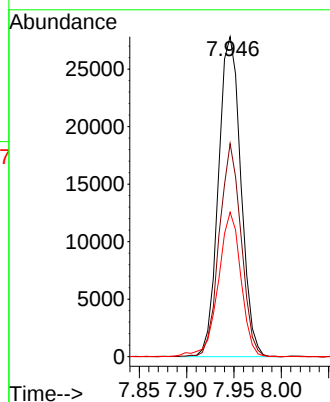
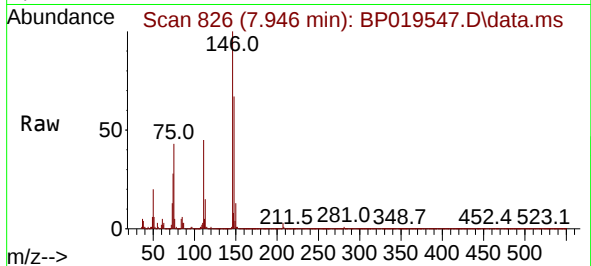
#13
1,4-Dichlorobenzene
Concen: 11.740 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:146 Resp: 4583
Ion Ratio Lower Upper
146 100
148 66.6 51.9 77.9
111 45.2 35.8 53.6

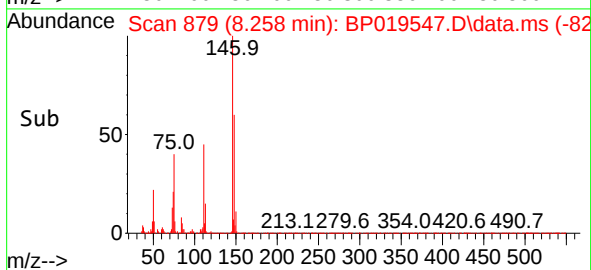
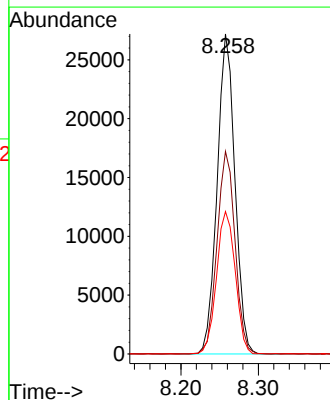
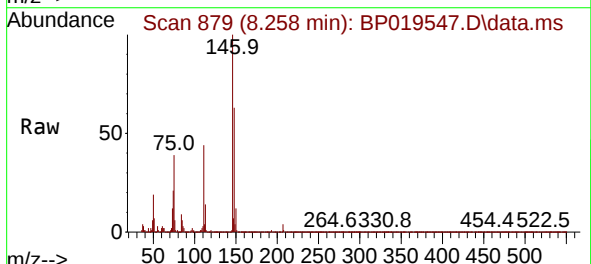
Manual Integrations
APPROVED

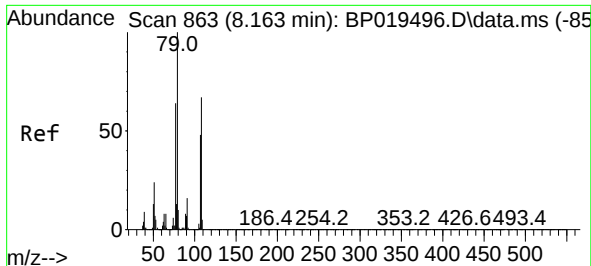
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#14
1,2-Dichlorobenzene
Concen: 11.489 ng
RT: 8.258 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:146 Resp: 43398
Ion Ratio Lower Upper
146 100
148 63.3 51.4 77.0
111 44.5 37.0 55.6





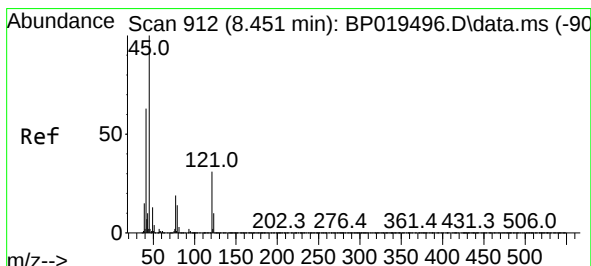
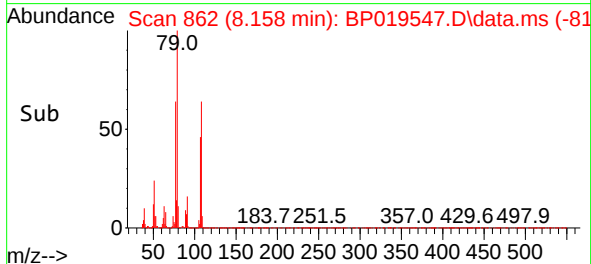
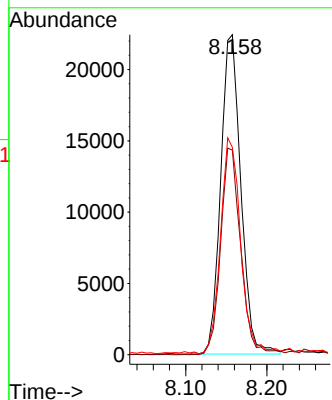
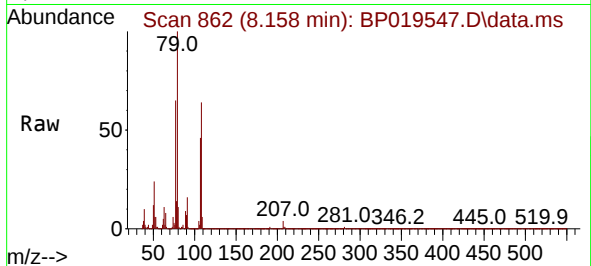
#15
Benzyl Alcohol
Concen: 11.688 ng
RT: 8.158 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 79 Resp: 3862
Ion Ratio Lower Upper
79 100
108 64.0 53.8 80.6
77 64.8 51.3 76.9

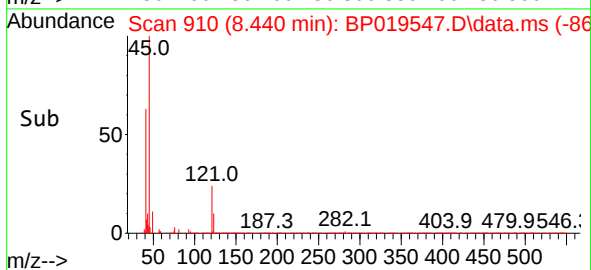
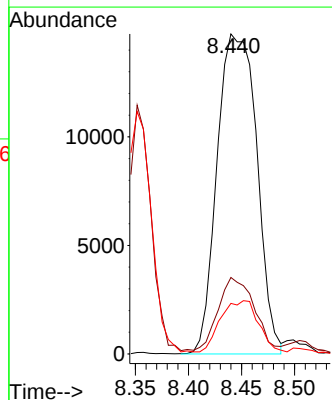
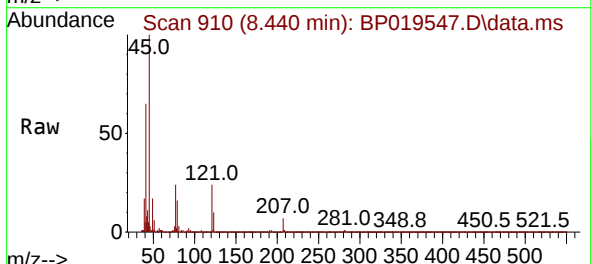
Manual Integrations
APPROVED

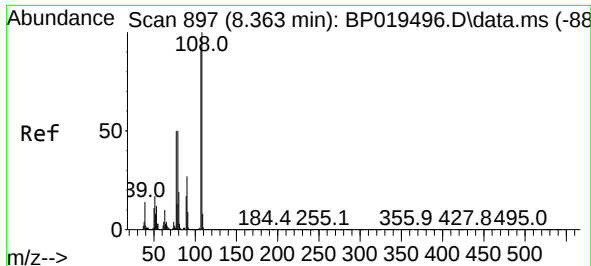
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.954 ng m
RT: 8.440 min Scan# 910
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 45 Resp: 38335
Ion Ratio Lower Upper
45 100
77 23.9 0.8 40.8
79 15.8 0.0 35.5





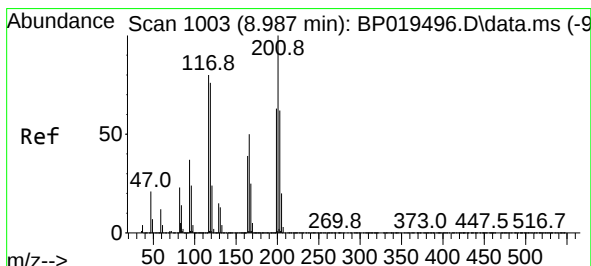
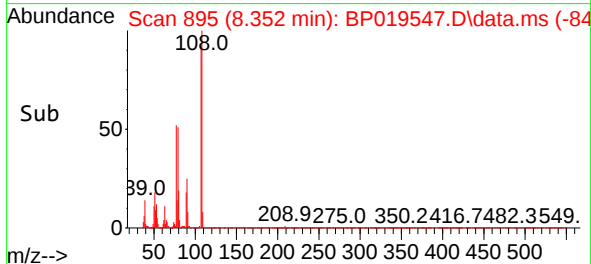
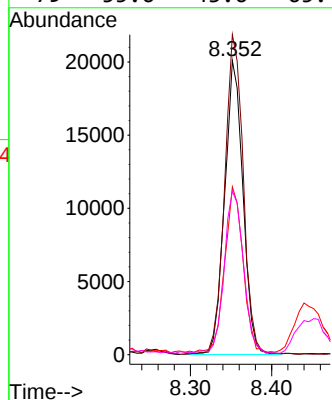
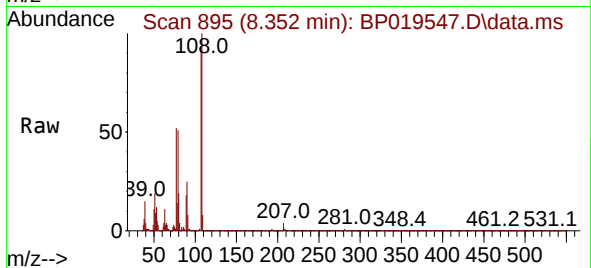
#17
2-Methylphenol
Concen: 11.362 ng
RT: 8.352 min Scan# 895
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:	107	Resp:	3153
Ion Ratio	Lower	Upper	
107	100		
108	108.9	87.0	130.6
77	57.1	43.5	65.3
79	55.6	43.6	65.4

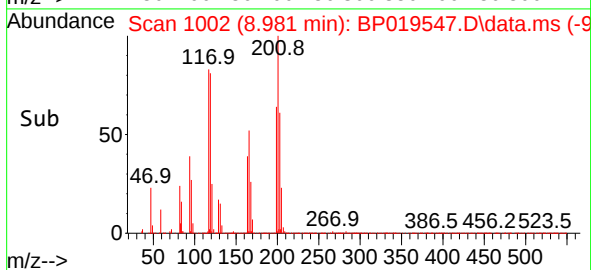
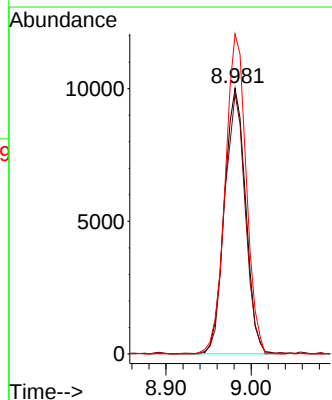
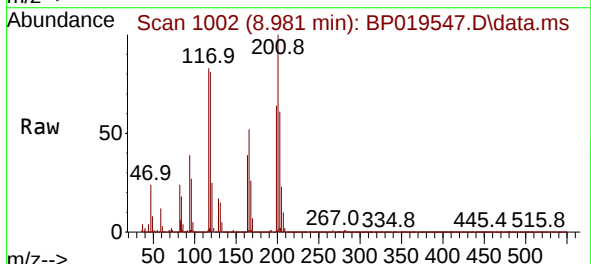
Manual Integrations
APPROVED

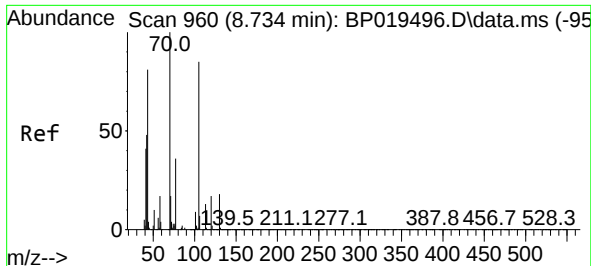
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#18
Hexachloroethane
Concen: 11.460 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:	117	Resp:	17341
Ion Ratio	Lower	Upper	
117	100		
119	97.9	75.5	113.3
201	120.4	99.4	149.2





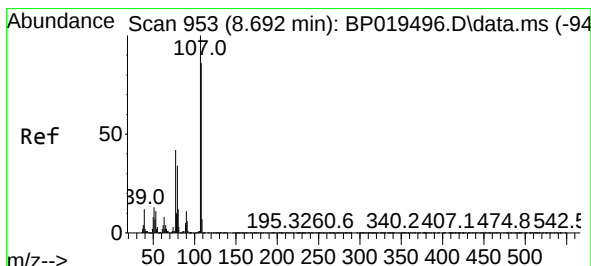
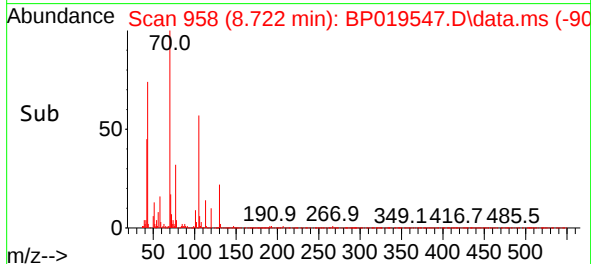
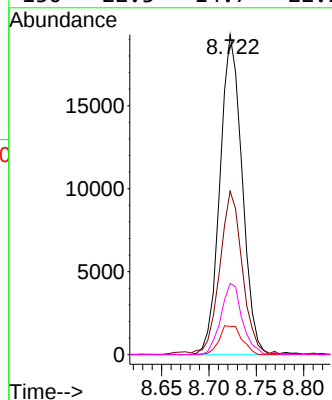
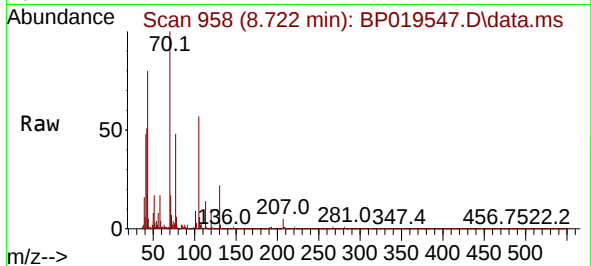
#19
n-Nitroso-di-n-propylamine
Concen: 11.128 ng
RT: 8.722 min Scan# 911
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 70 Resp: 31435
Ion Ratio Lower Upper
70 100
42 51.1 39.2 58.8
101 8.9 7.3 10.9
130 22.3 14.7 22.1#

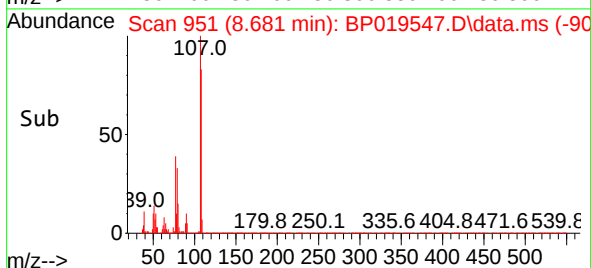
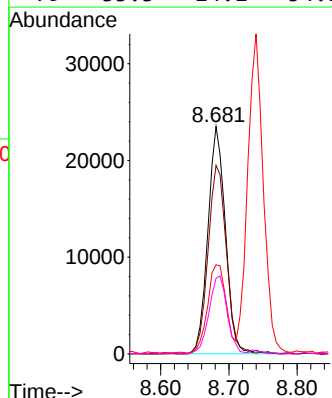
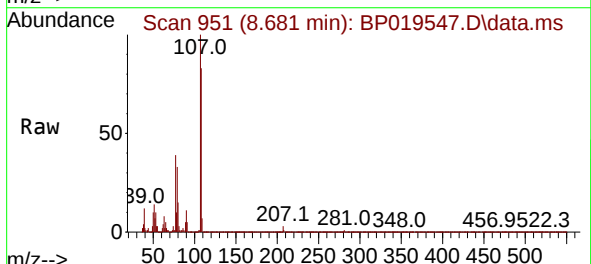
Manual Integrations
APPROVED

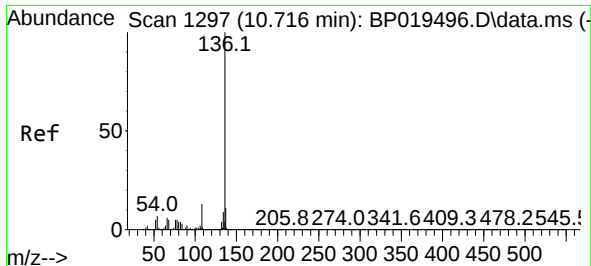
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#20
3+4-Methylphenols
Concen: 11.166 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

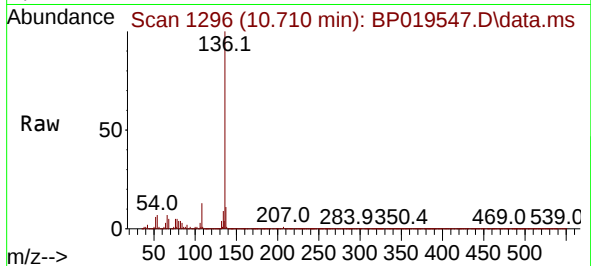
Tgt Ion:107 Resp: 42289
Ion Ratio Lower Upper
107 100
108 82.9 65.5 105.5
77 39.2 21.8 61.8
79 33.3 14.1 54.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

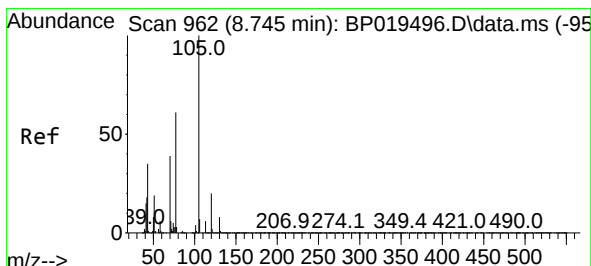
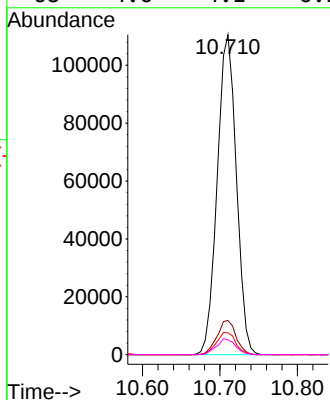
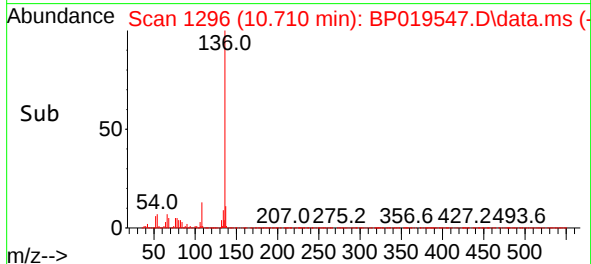
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:136 Resp: 190080
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.8 5.3 7.9
68 4.6 4.1 6.1

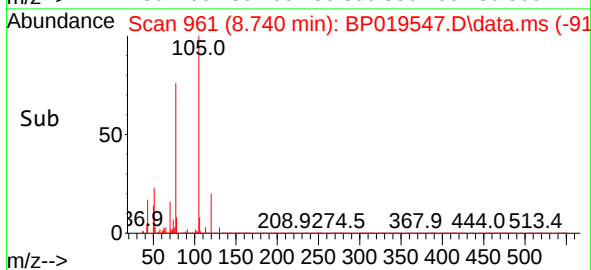
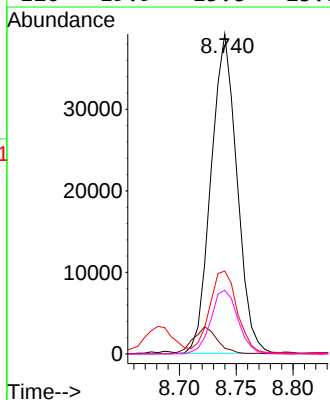
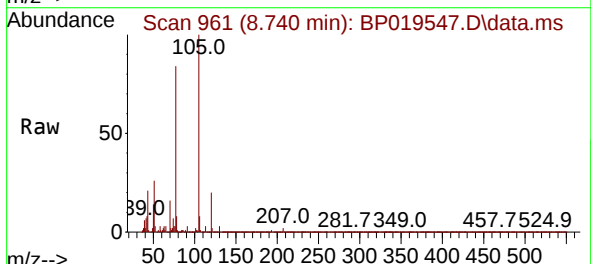
Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#22
Acetophenone
Concen: 11.449 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:105 Resp: 61998
Ion Ratio Lower Upper
105 100
71 1.8 4.9 7.3#
51 25.9 20.7 31.1
120 19.9 15.8 23.8





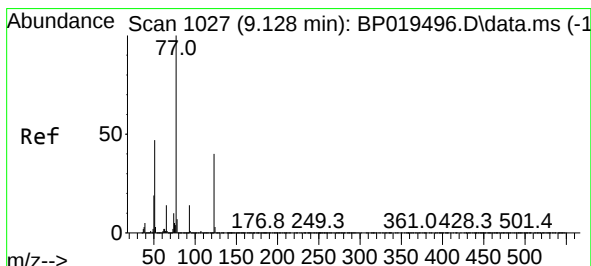
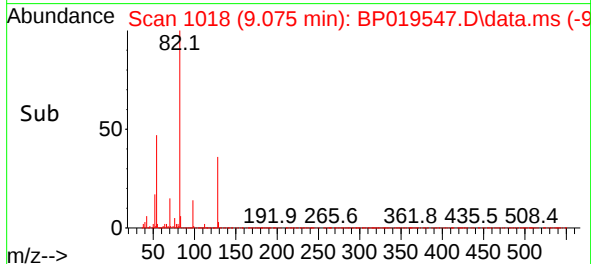
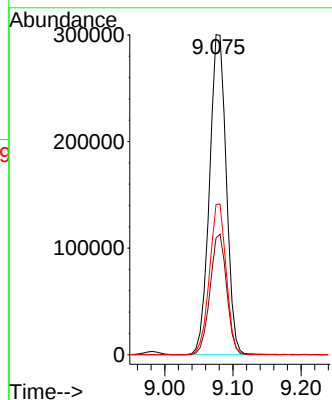
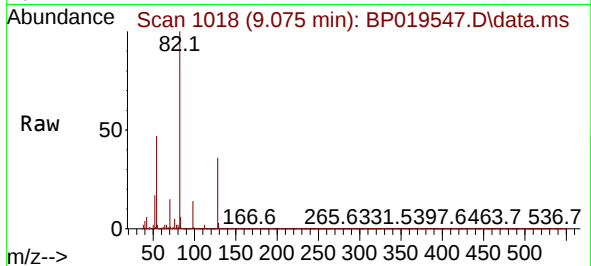
#23
Nitrobenzene-d5
Concen: 117.271 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 82 Resp: 51442
Ion Ratio Lower Upper
82 100
128 36.5 29.7 44.5
54 47.0 36.8 55.2

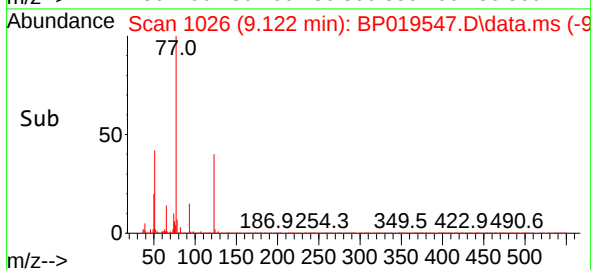
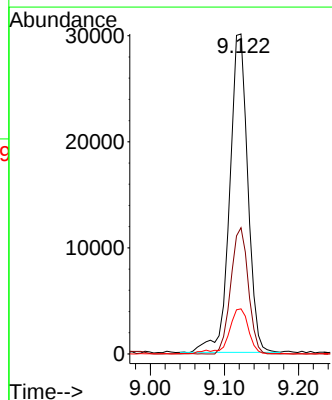
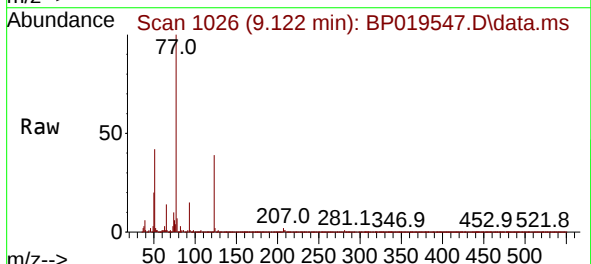
Manual Integrations
APPROVED

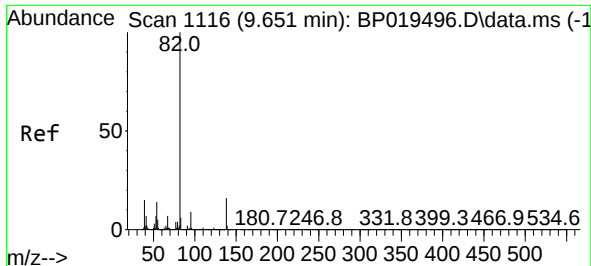
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#24
Nitrobenzene
Concen: 11.546 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion: 77 Resp: 50996
Ion Ratio Lower Upper
77 100
123 39.5 32.3 48.5
65 14.1 11.6 17.4





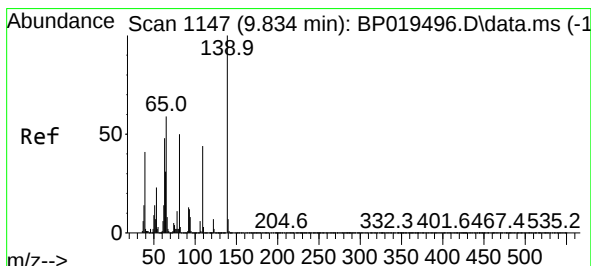
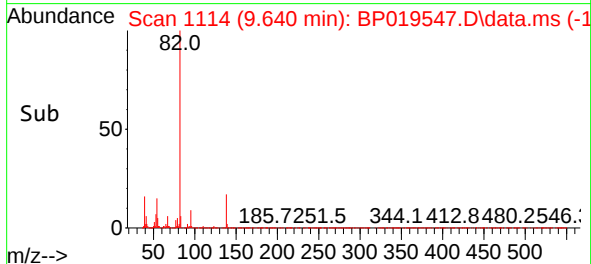
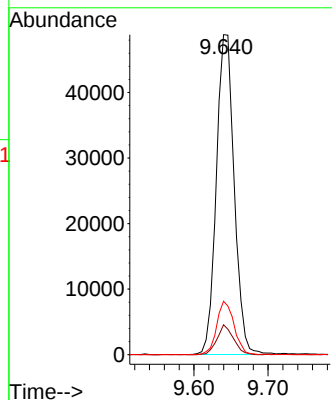
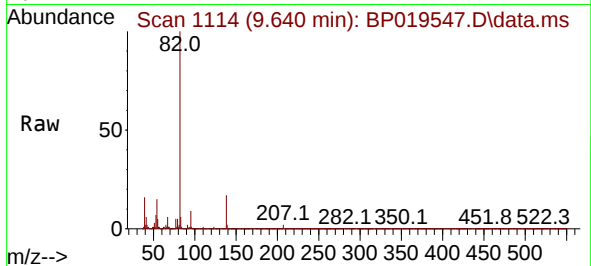
#25
Isophorone
Concen: 10.729 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 82	Resp: 8196
Ion Ratio	Lower Upper
82 100	
95 9.4	7.0 10.4
138 16.7	13.1 19.7

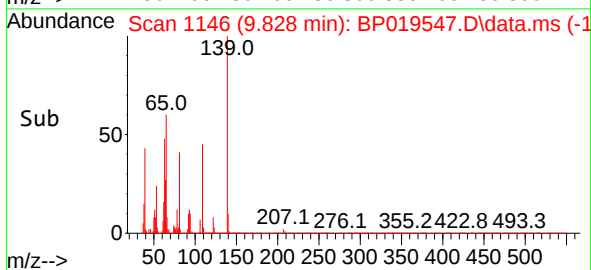
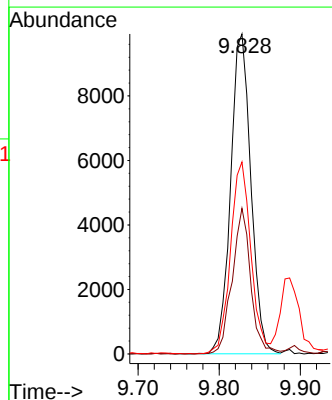
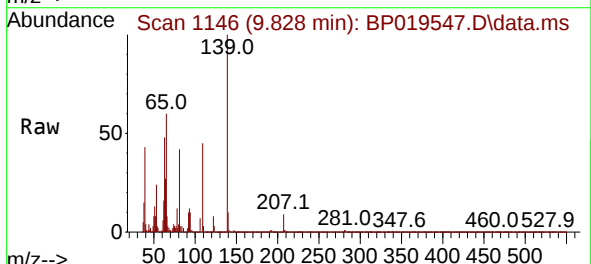
Manual Integrations
APPROVED

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



#26
2-Nitrophenol
Concen: 10.195 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

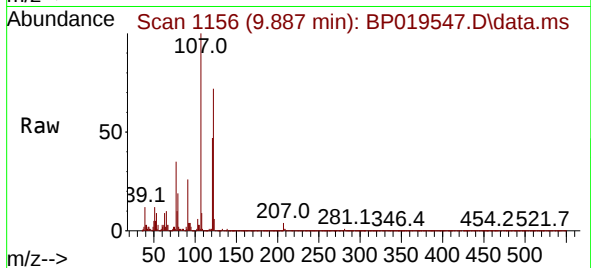
Tgt Ion:139	Resp: 17169
Ion Ratio	Lower Upper
139 100	
109 45.5	34.9 52.3
65 60.0	47.5 71.3





#27
2,4-Dimethylphenol
Concen: 12.928 ng
RT: 9.887 min Scan# 1158
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

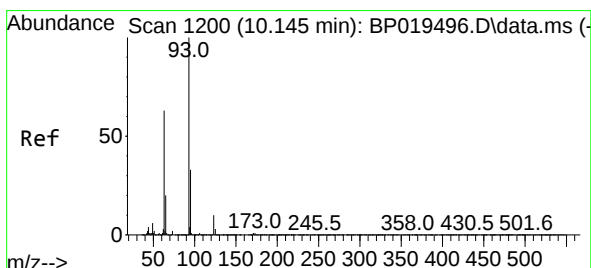
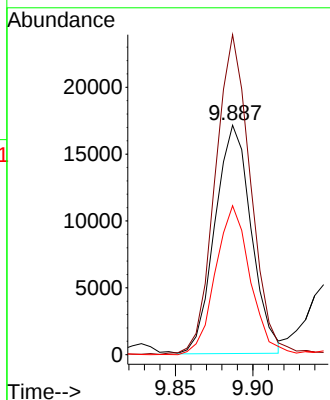
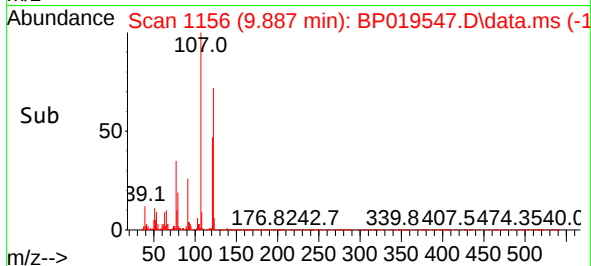
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



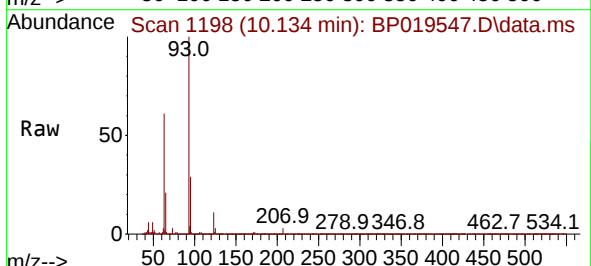
Tgt Ion:122 Resp: 27839
Ion Ratio Lower Upper
122 100
107 139.4 105.9 158.9
121 64.9 47.5 71.3

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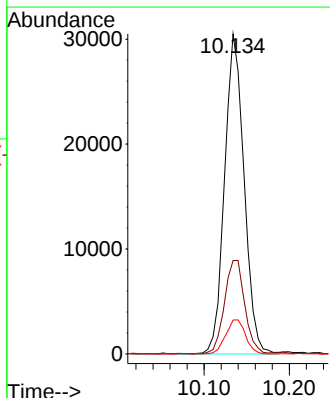
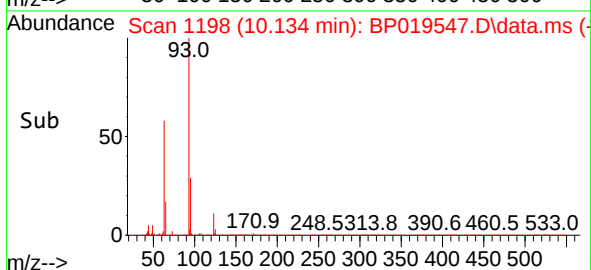
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

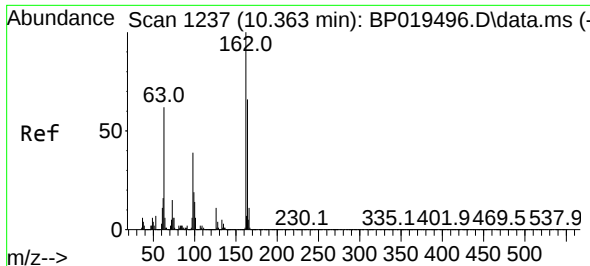


#28
bis(2-Chloroethoxy)methane
Concen: 11.223 ng
RT: 10.134 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23



Tgt Ion: 93 Resp: 48511
Ion Ratio Lower Upper
93 100
95 29.2 26.2 39.4
123 10.6 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 10.883 ng

RT: 10.357 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

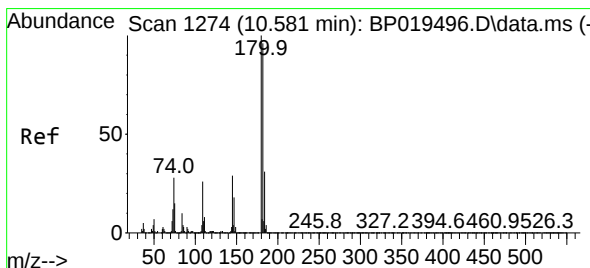
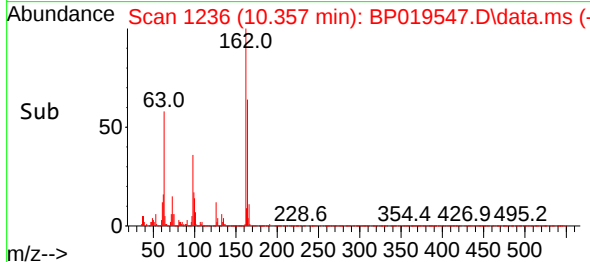
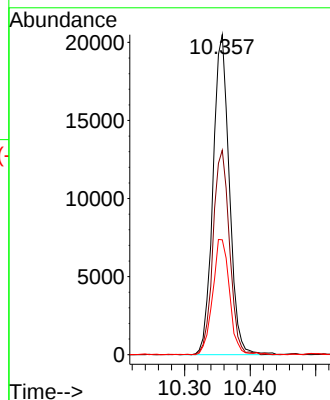
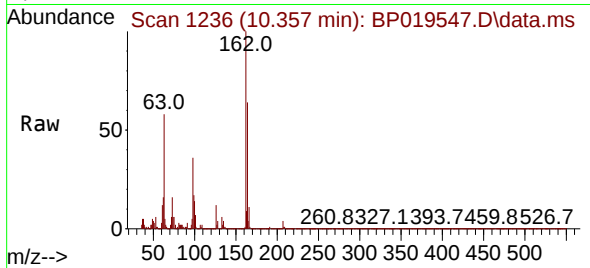
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:	162	Resp:	35420
Ion Ratio	Lower	Upper	
162	100		
164	63.9	46.0	86.0
98	35.9	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: 11.238 ng

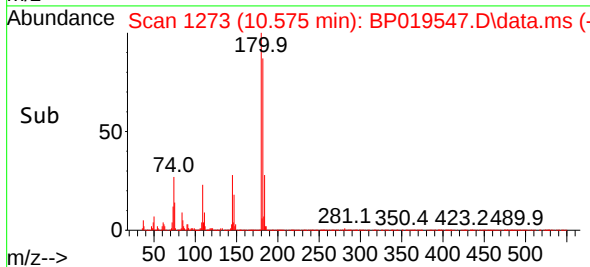
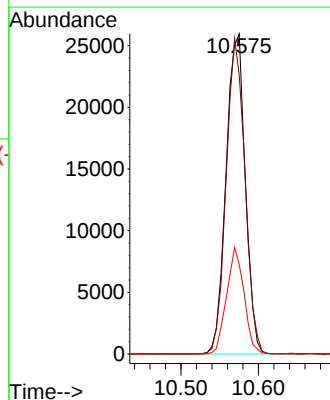
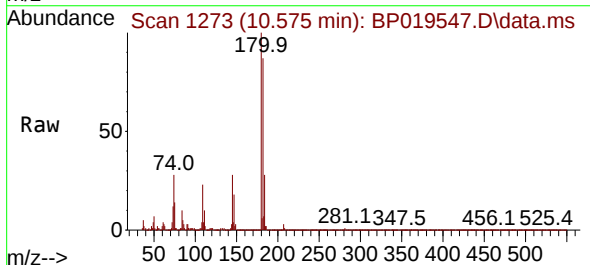
RT: 10.575 min Scan# 1273

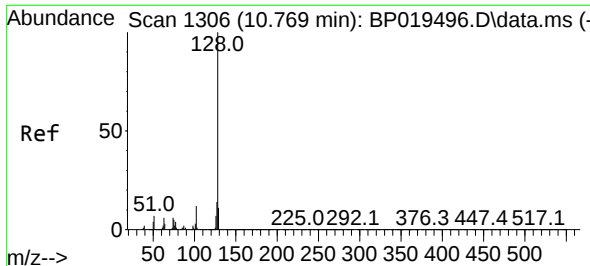
Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

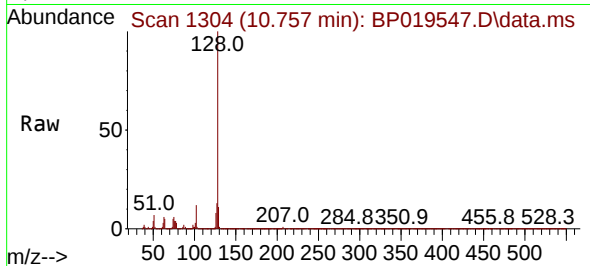
Tgt Ion:	180	Resp:	44853
Ion Ratio	Lower	Upper	
180	100		
182	87.1	77.0	115.6
145	27.9	23.2	34.8





#31
Naphthalene
Concen: 11.135 ng
RT: 10.757 min Scan# 1167
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

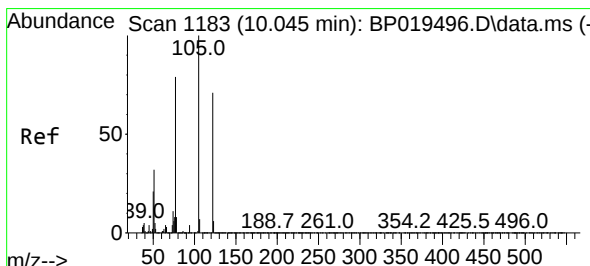
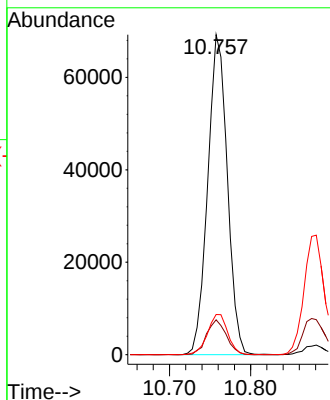
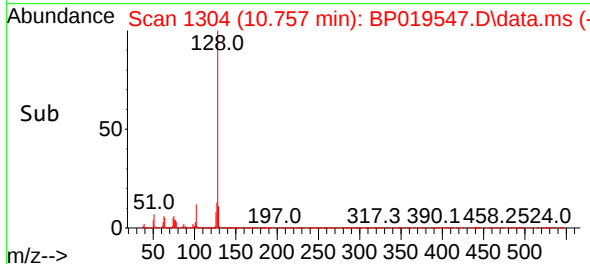
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:128 Resp: 116080
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.5 10.8 16.2

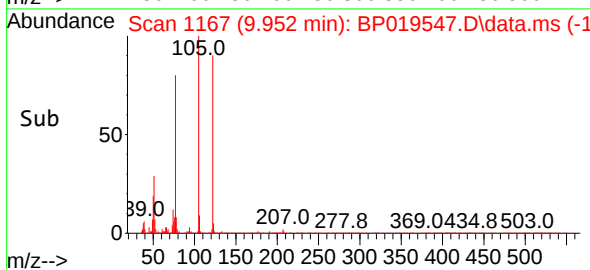
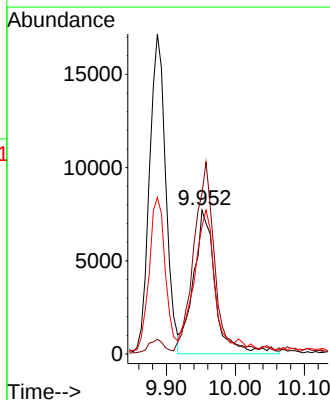
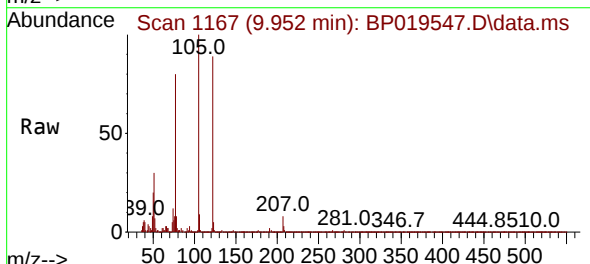
Manual Integrations
APPROVED

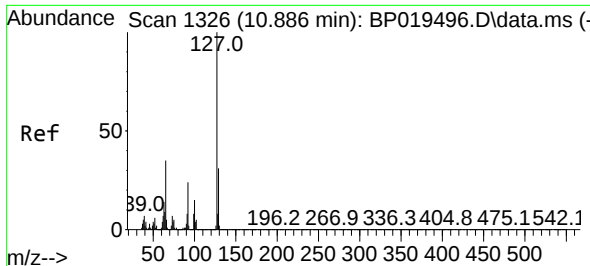
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#32
Benzoic acid
Concen: 8.105 ng m
RT: 9.952 min Scan# 1167
Delta R.T. -0.094 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

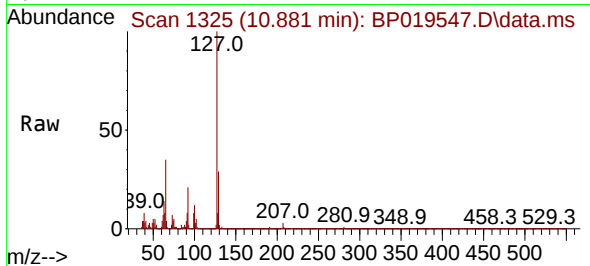
Tgt Ion:122 Resp: 17005
Ion Ratio Lower Upper
122 100
105 111.8 118.8 158.8#
77 89.0 91.7 131.7#





#33
4-Chloroaniline
Concen: 11.884 ng
RT: 10.881 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

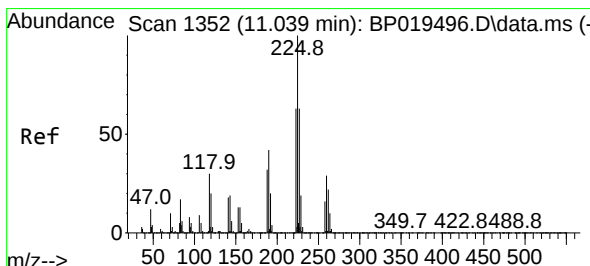
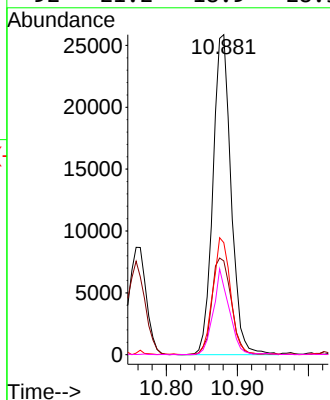
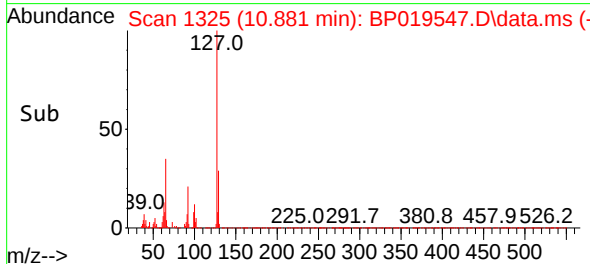
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	29.3	24.6	36.8
65	35.0	28.2	42.4
92	21.2	18.9	28.3

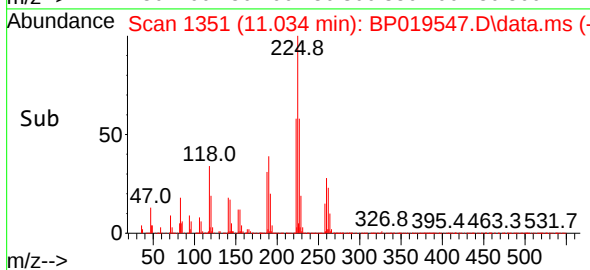
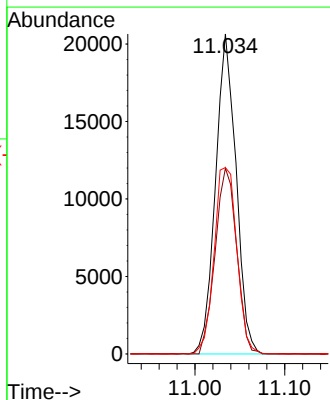
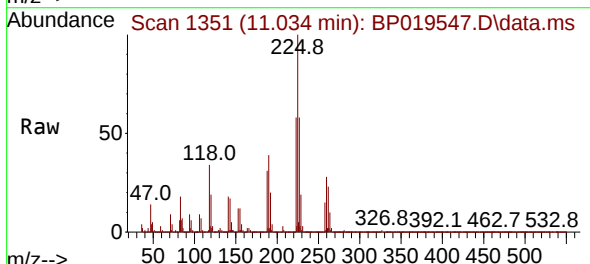
Manual Integrations
APPROVED

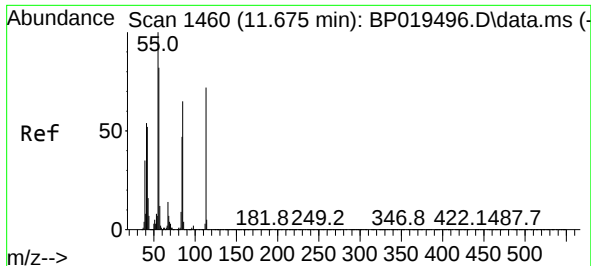
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#34
Hexachlorobutadiene
Concen: 11.101 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

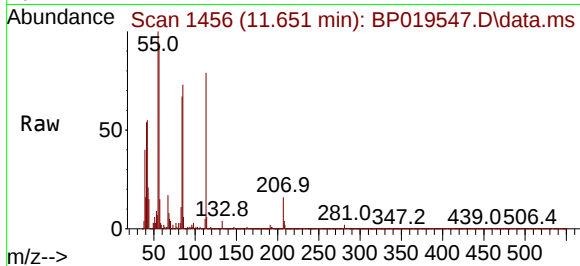
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.1	50.5	75.7
227	58.2	50.2	75.2





#35
Caprolactam
Concen: 9.727 ng
RT: 11.651 min Scan# 1460
Delta R.T. -0.023 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

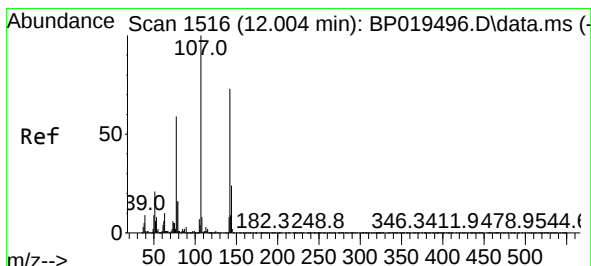
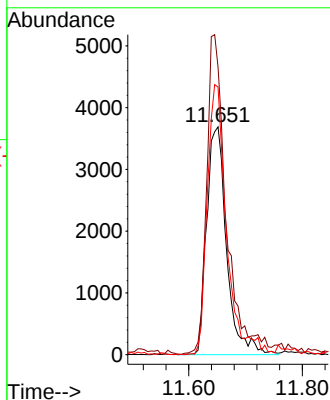
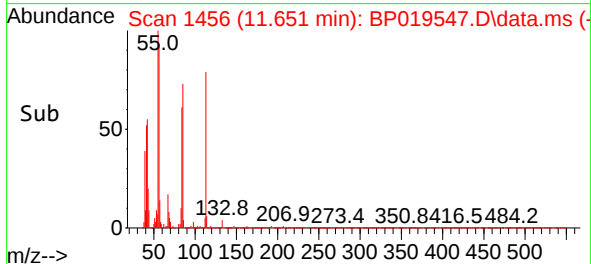
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



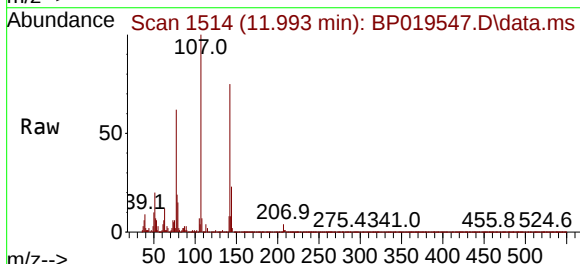
Tgt Ion:113 Resp: 8964
Ion Ratio Lower Upper
113 100
55 126.2 120.0 160.0
56 117.4 94.0 134.0

Manual Integrations
APPROVED

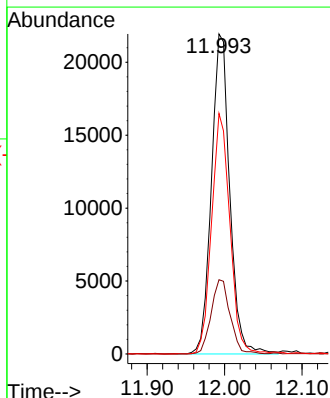
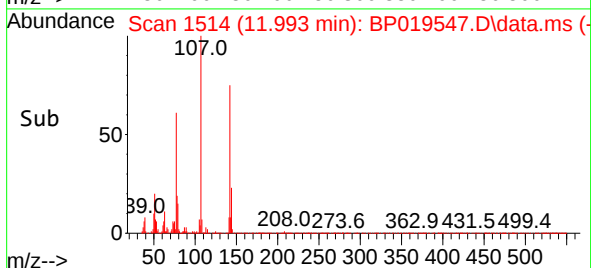
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

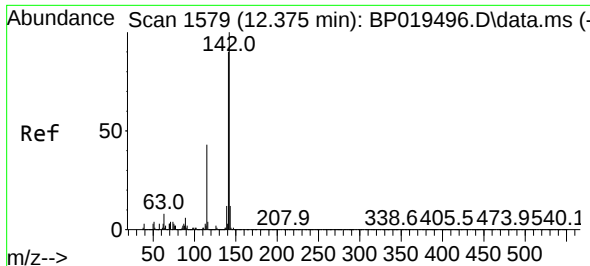


#36
4-Chloro-3-methylphenol
Concen: 10.161 ng
RT: 11.993 min Scan# 1514
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23



Tgt Ion:107 Resp: 36067
Ion Ratio Lower Upper
107 100
144 23.2 19.0 28.4
142 75.2 58.6 88.0





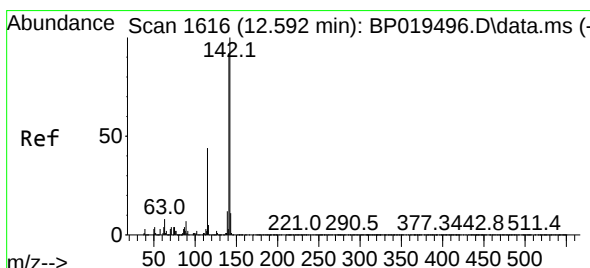
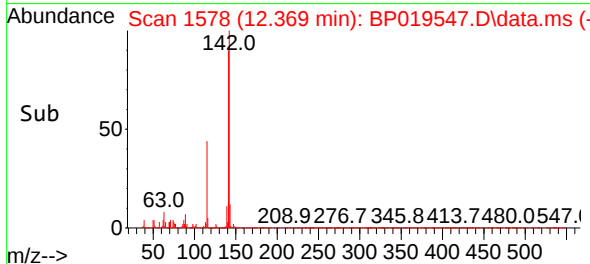
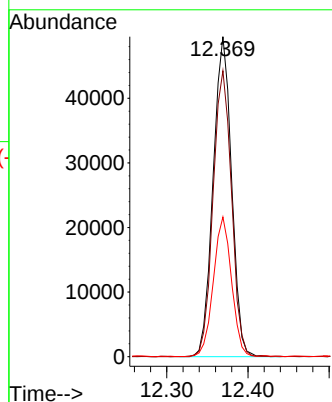
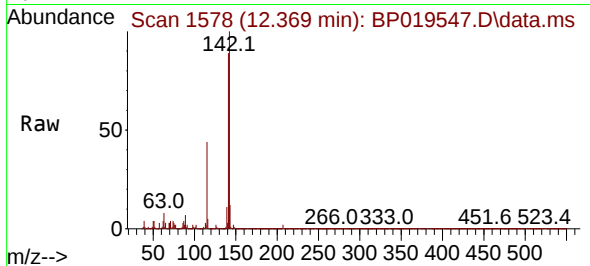
#37
2-Methylnaphthalene
Concen: 10.838 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:142 Resp: 7819
Ion Ratio Lower Upper
142 100
141 89.4 72.2 108.4
115 43.6 34.2 51.2

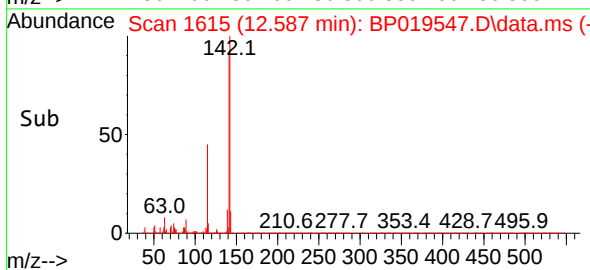
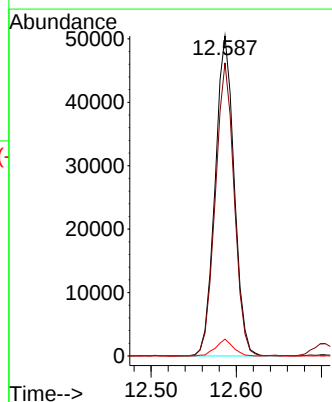
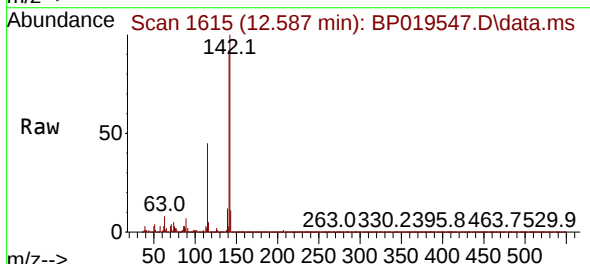
Manual Integrations
APPROVED

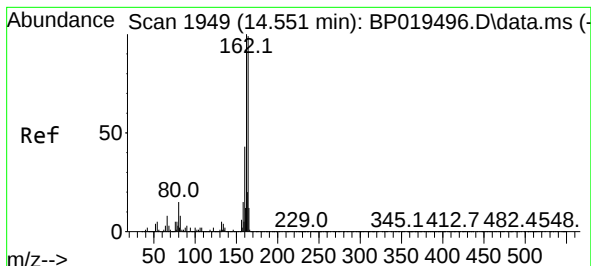
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#38
1-Methylnaphthalene
Concen: 11.045 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:142 Resp: 78309
Ion Ratio Lower Upper
142 100
141 91.6 74.0 111.0
116 5.3 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.011 min

Lab File: BP019547.D

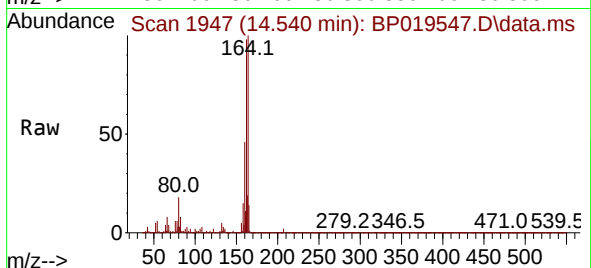
Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:164 Resp: 112878

Ion Ratio Lower Upper

164 100

162 98.1 81.2 121.8

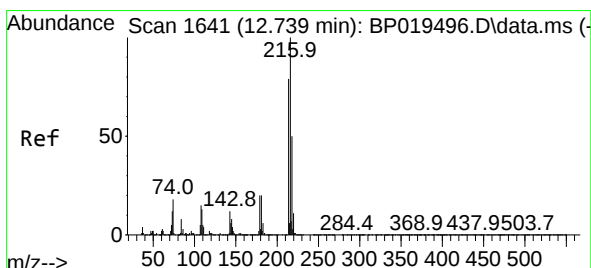
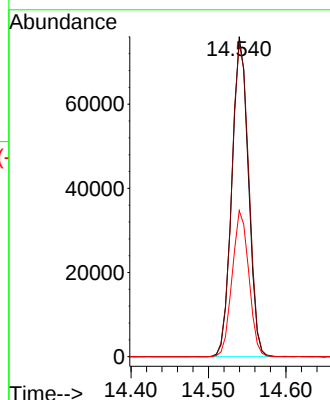
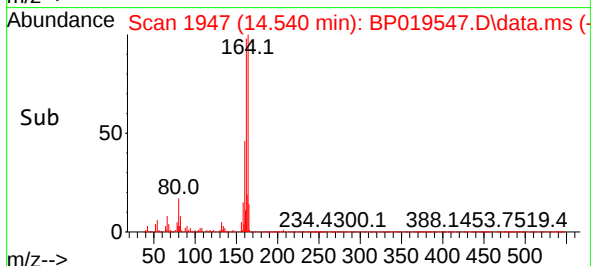
160 45.7 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 12.393 ng

RT: 12.728 min Scan# 1639

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:216 Resp: 53949

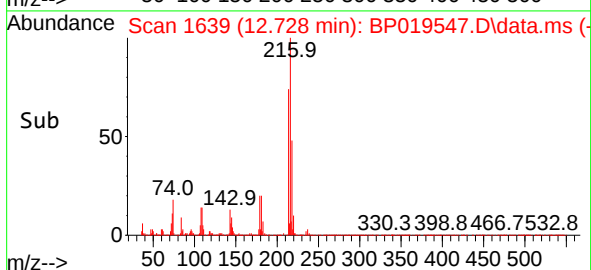
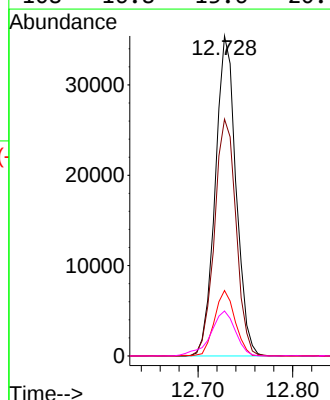
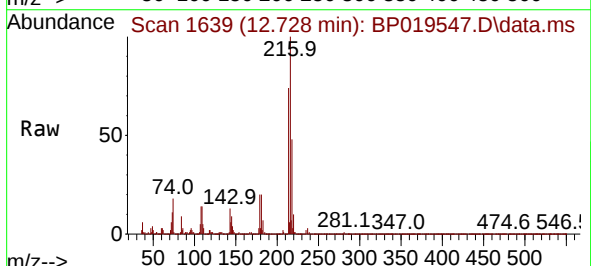
Ion Ratio Lower Upper

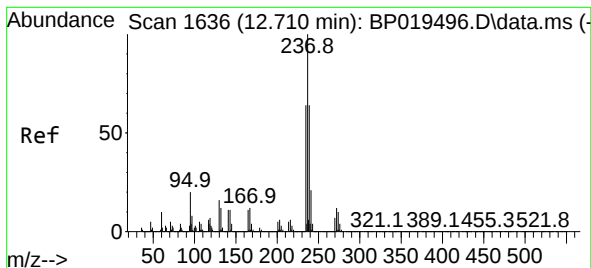
216 100

214 76.9 62.8 94.2

179 20.4 16.6 24.8

108 16.8 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 15.585 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

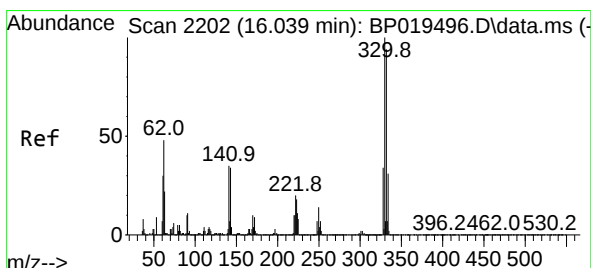
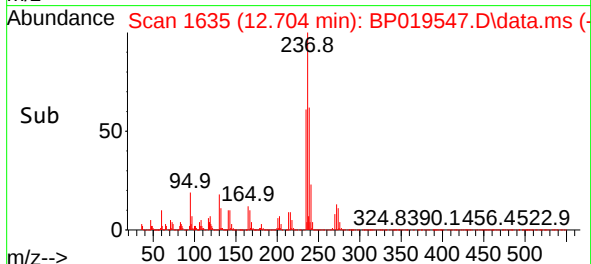
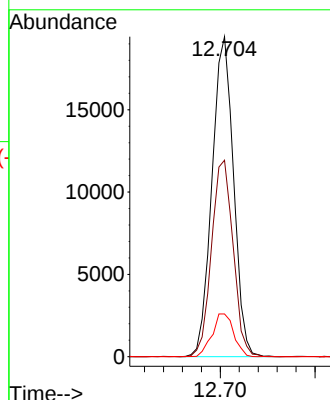
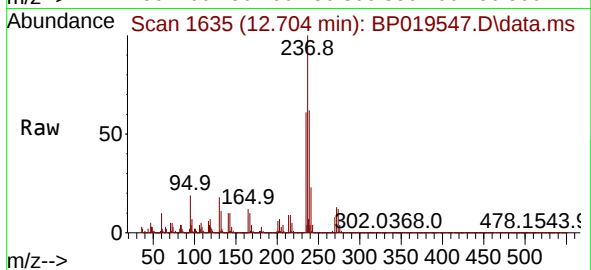
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 237	Resp: 30650
Ion Ratio	Lower Upper
237 100	
235 61.4	43.7 83.7
272 13.4	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: 206.891 ng

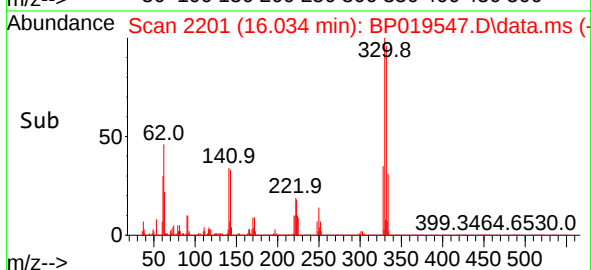
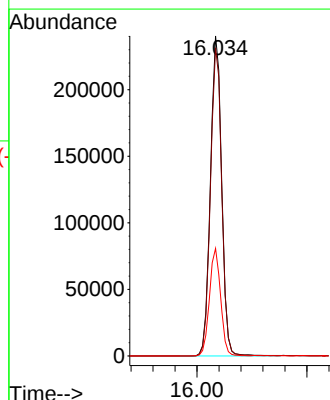
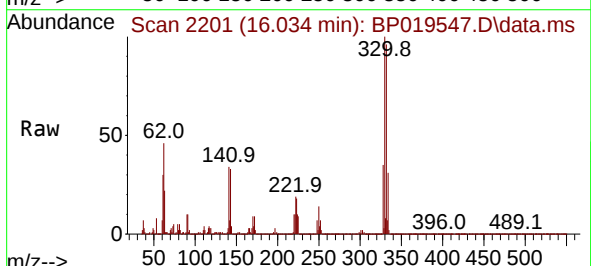
RT: 16.034 min Scan# 2201

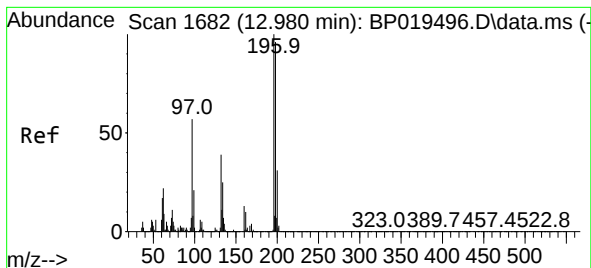
Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion: 330	Resp: 340977
Ion Ratio	Lower Upper
330 100	
332 96.3	77.2 115.8
141 33.3	27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 11.194 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

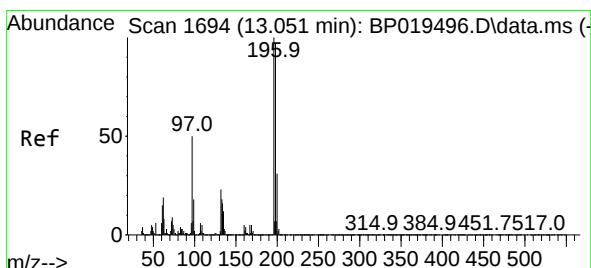
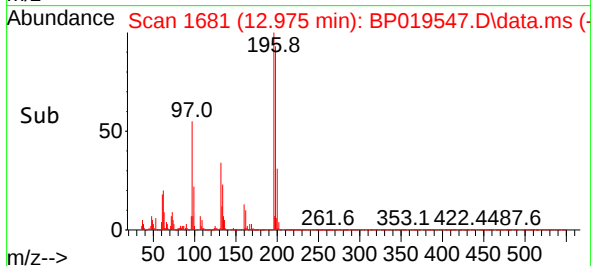
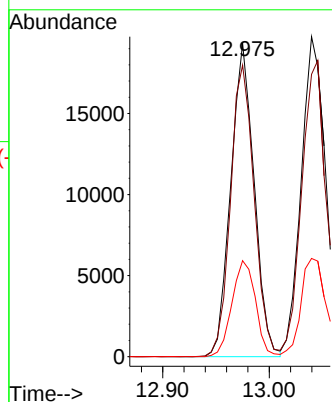
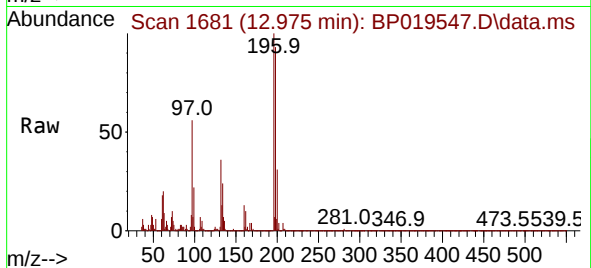
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:196	Resp:	29508
Ion Ratio	Lower	Upper
196	100	
198	93.0	76.7 115.1
200	30.6	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: 11.024 ng

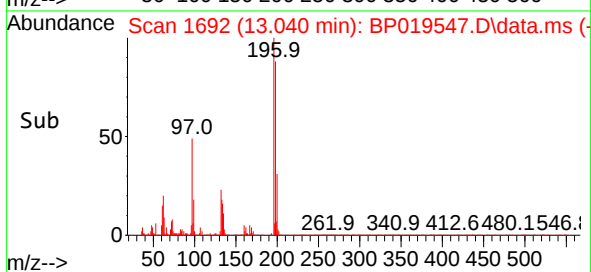
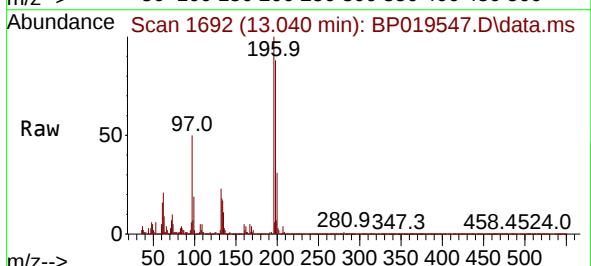
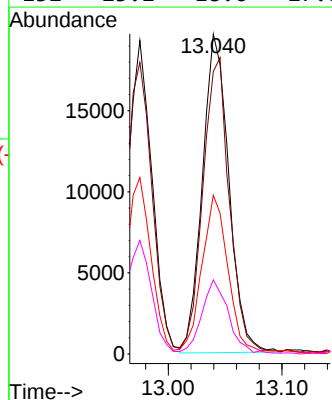
RT: 13.040 min Scan# 1692

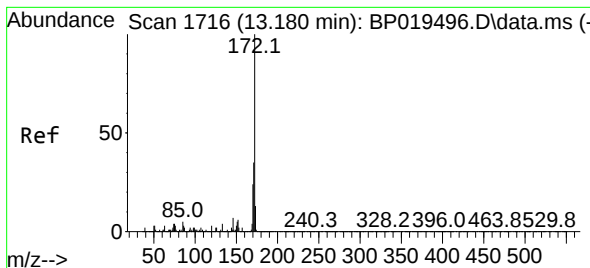
Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:196	Resp:	31911
Ion Ratio	Lower	Upper
196	100	
198	88.2	77.5 116.3
97	49.6	39.9 59.9
132	23.2	18.6 27.8





#45

2-Fluorobiphenyl

Concen: 122.740 ng

RT: 13.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:172 Resp: 112072

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

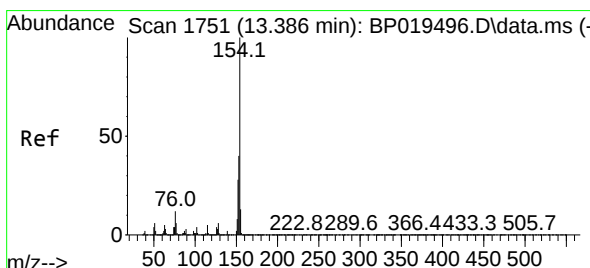
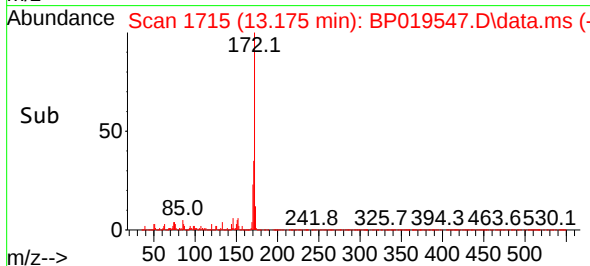
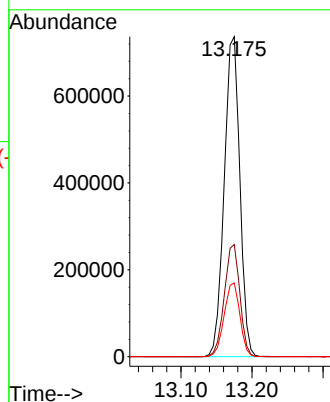
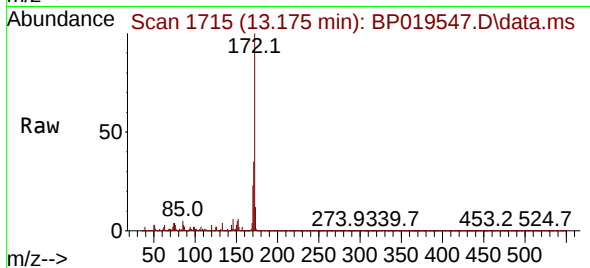
170 23.1 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#46

1,1'-Biphenyl

Concen: 12.002 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

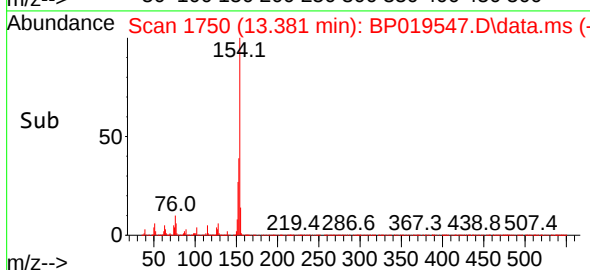
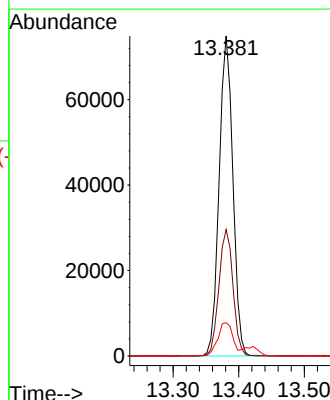
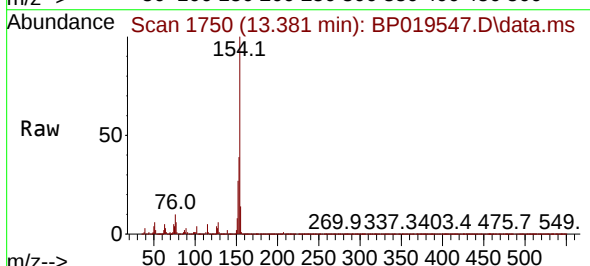
Tgt Ion:154 Resp: 108131

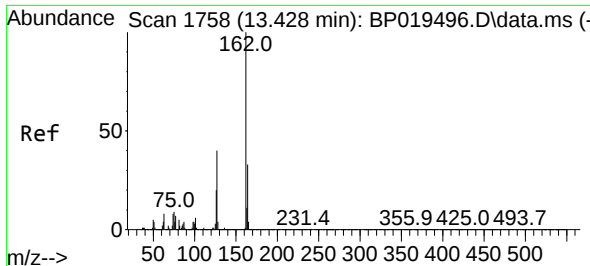
Ion Ratio Lower Upper

154 100

153 39.5 20.2 60.2

76 10.4 0.0 31.6





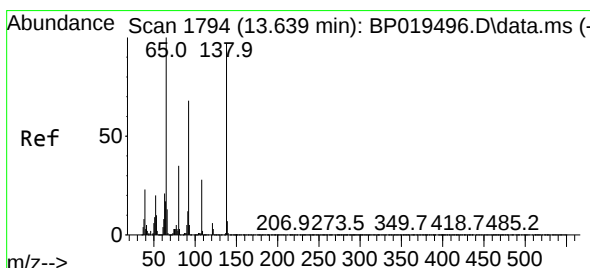
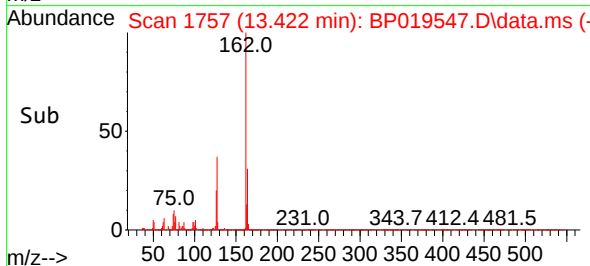
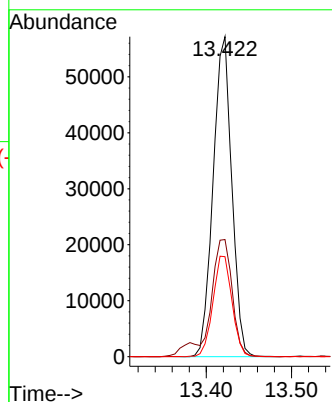
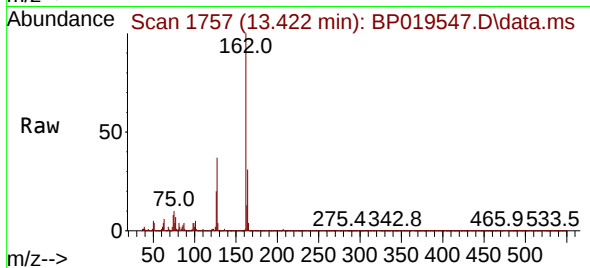
#47
2-Chloronaphthalene
Concen: 11.767 ng
RT: 13.422 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:162 Resp: 8702
Ion Ratio Lower Upper
162 100
127 36.6 32.1 48.1
164 31.3 26.7 40.1

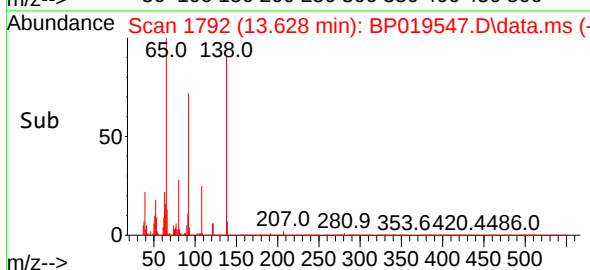
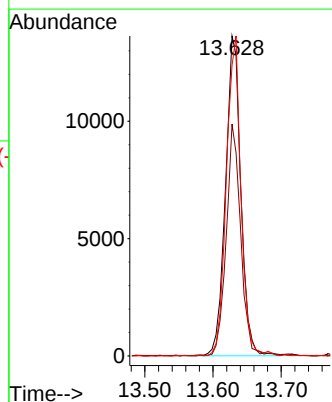
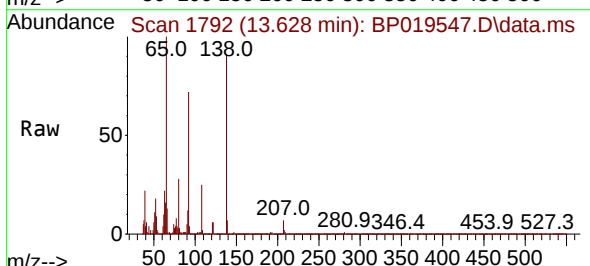
Manual Integrations
APPROVED

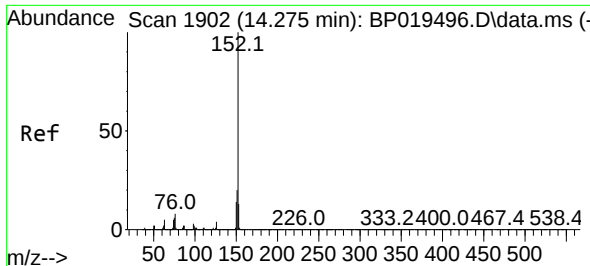
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#48
2-Nitroaniline
Concen: 10.334 ng
RT: 13.628 min Scan# 1792
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

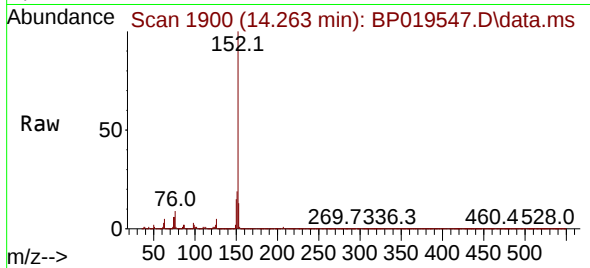
Tgt Ion: 65 Resp: 21370
Ion Ratio Lower Upper
65 100
92 72.4 54.7 82.1
138 90.8 77.8 116.6





#49
Acenaphthylene
Concen: 12.331 ng
RT: 14.263 min Scan# 1902
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

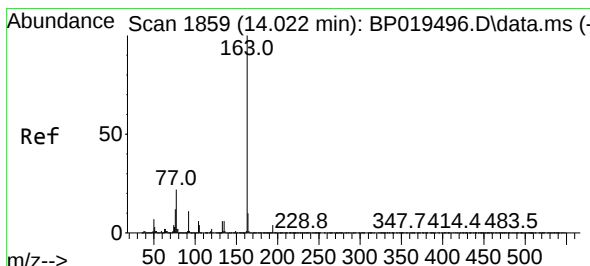
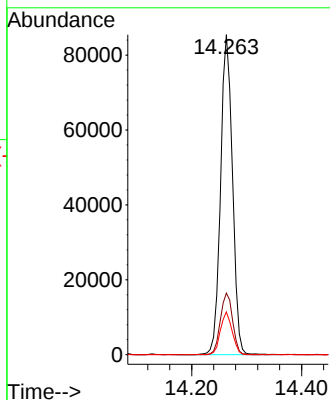
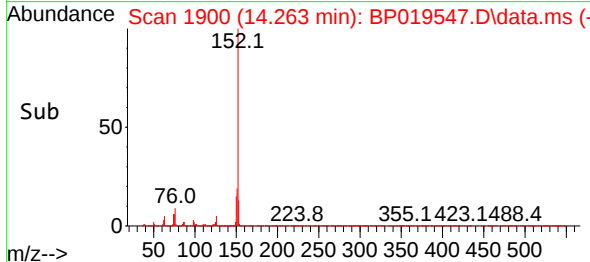
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



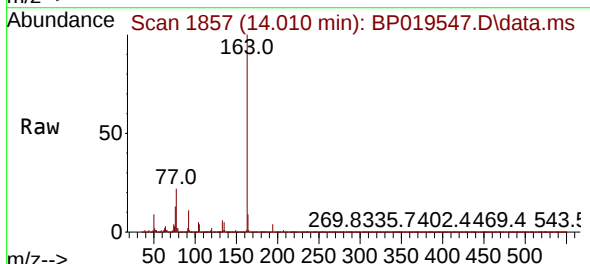
Tgt Ion:152 Resp: 127945
Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.6
153 13.3 10.6 15.8

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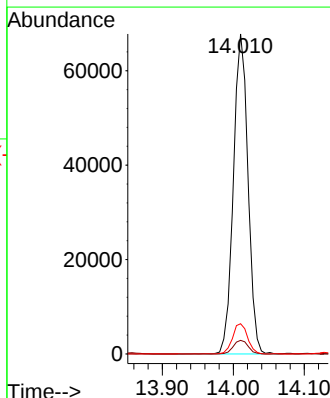
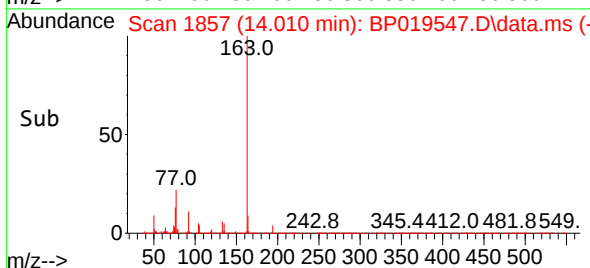
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

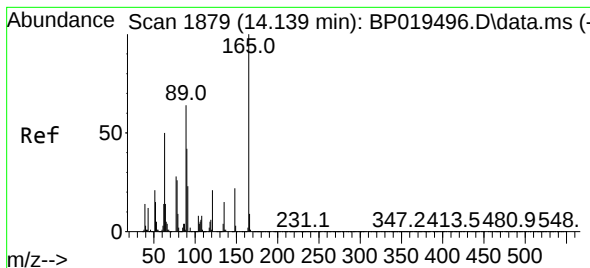


#50
Dimethylphthalate
Concen: 11.226 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23



Tgt Ion:163 Resp: 97003
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 9.5 7.8 11.6





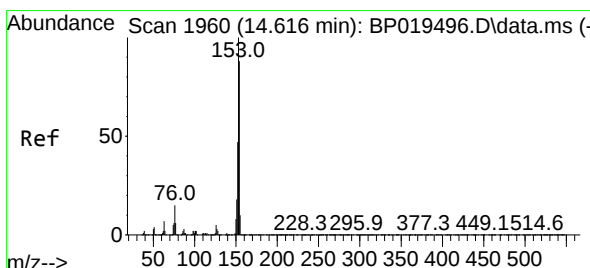
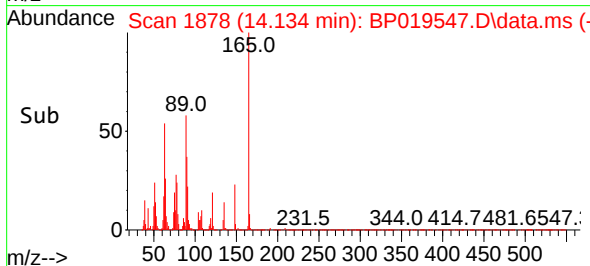
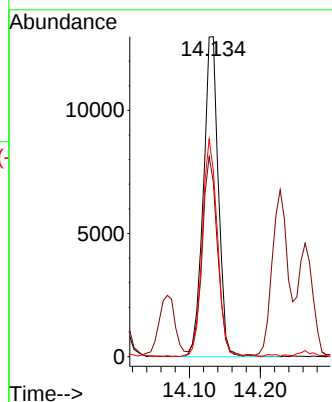
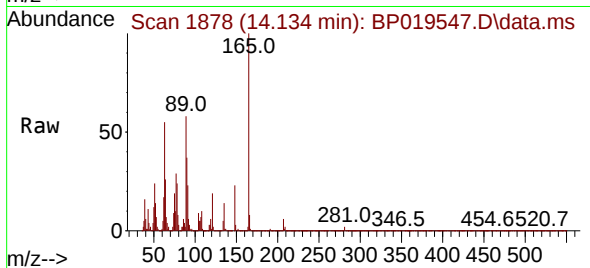
#51
2,6-Dinitrotoluene
Concen: 10.115 ng
RT: 14.134 min Scan# 1879
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:165 Resp: 1920
Ion Ratio Lower Upper
165 100
63 54.5 50.4 75.6
89 58.1 51.7 77.5

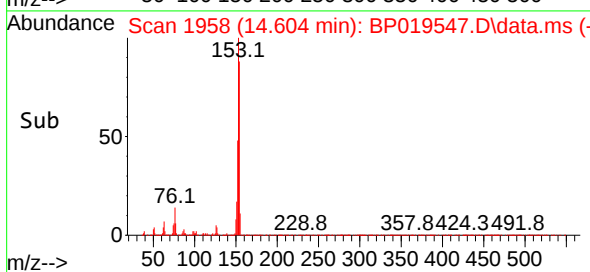
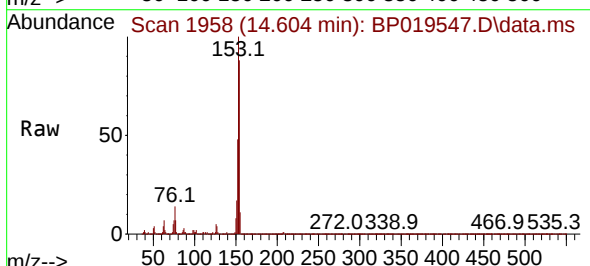
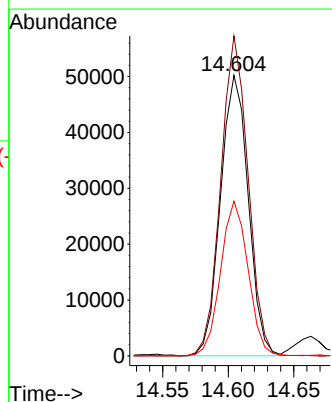
Manual Integrations
APPROVED

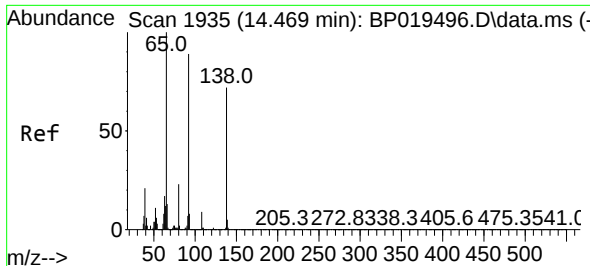
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#52
Acenaphthene
Concen: 11.473 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:154 Resp: 73882
Ion Ratio Lower Upper
154 100
153 114.0 90.5 135.7
152 55.1 42.1 63.1





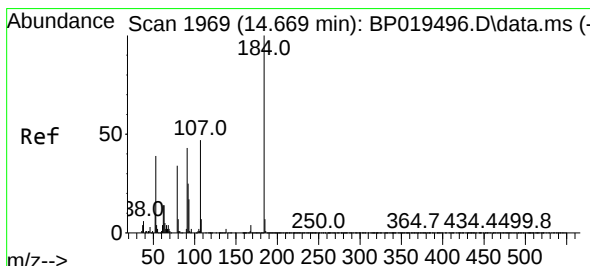
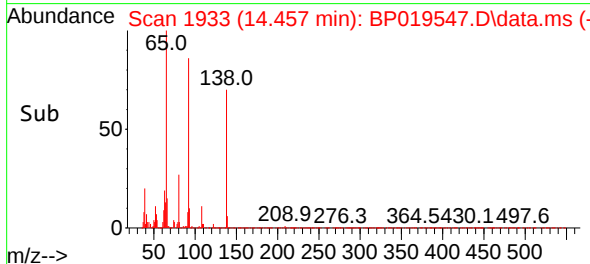
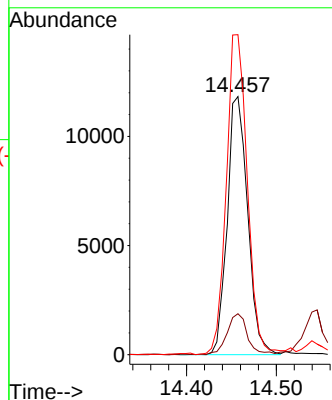
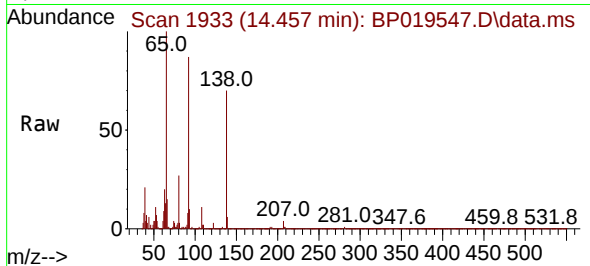
#53
3-Nitroaniline
Concen: 10.742 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:138 Resp: 18742
Ion Ratio Lower Upper
138 100
108 15.9 9.7 14.5
92 124.0 98.0 147.0

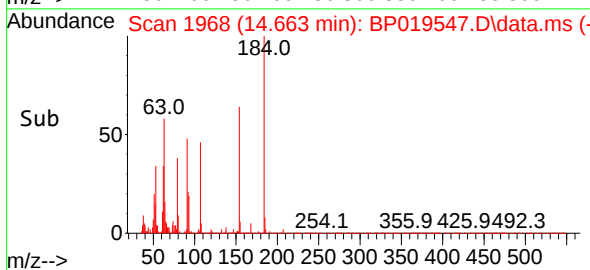
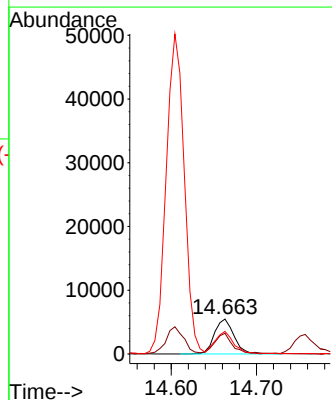
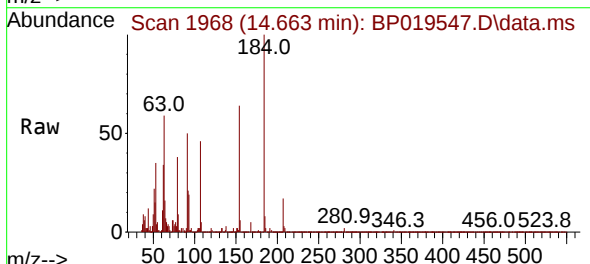
Manual Integrations
APPROVED

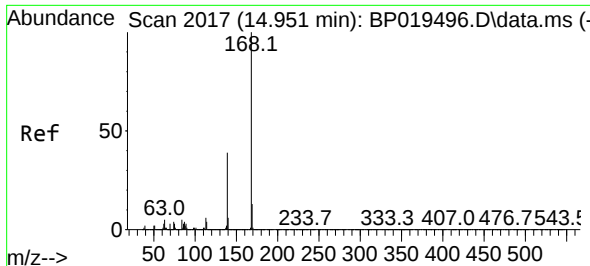
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#54
2,4-Dinitrophenol
Concen: 8.896 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

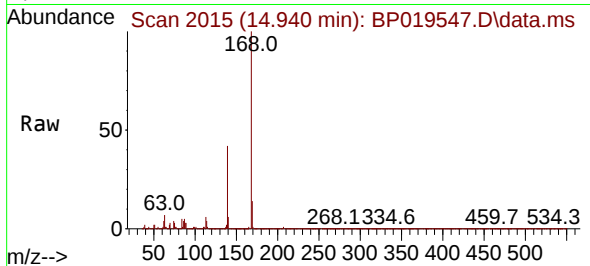
Tgt Ion:184 Resp: 8769
Ion Ratio Lower Upper
184 100
63 58.9 50.5 75.7
154 64.5 53.4 80.0





#55
Dibenzenofuran
Concen: 11.750 ng
RT: 14.940 min Scan# 2015
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

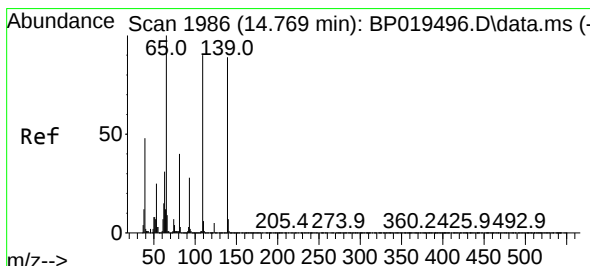
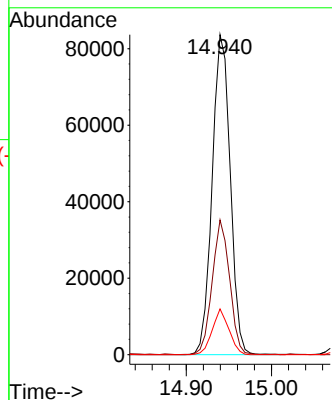
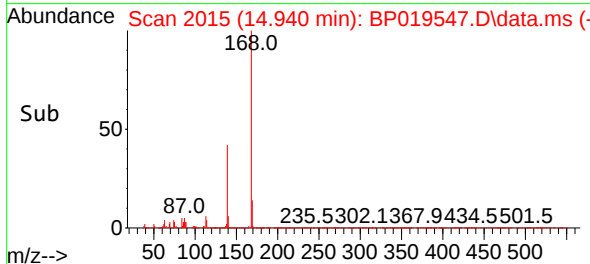
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:168 Resp: 12324
Ion Ratio Lower Upper
168 100
139 42.1 31.5 47.3
169 14.3 10.3 15.5

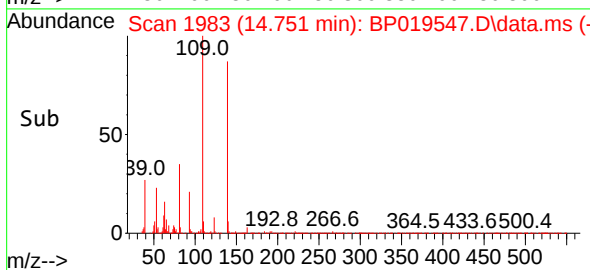
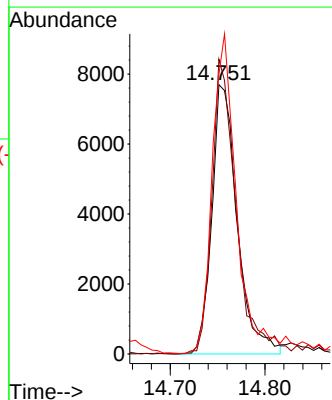
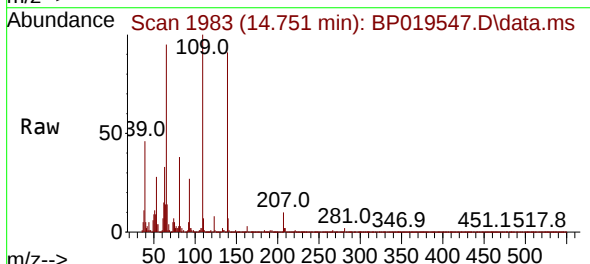
Manual Integrations
APPROVED

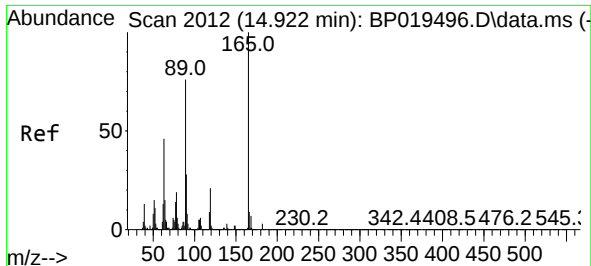
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#56
4-Nitrophenol
Concen: 10.035 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.017 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:139 Resp: 14350
Ion Ratio Lower Upper
139 100
109 109.4 82.0 122.0
65 103.9 92.9 132.9





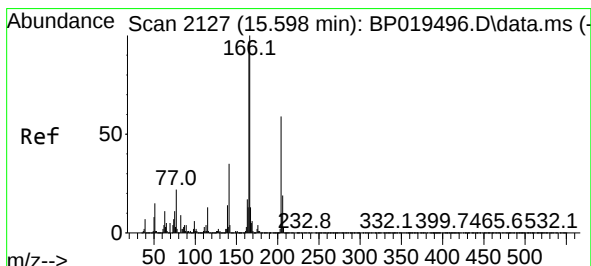
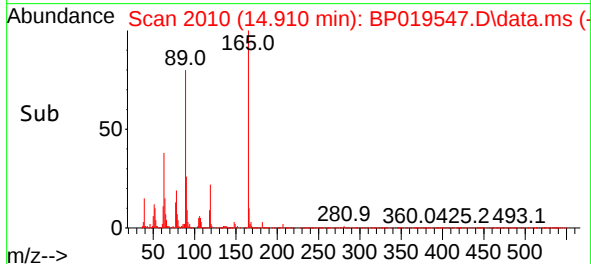
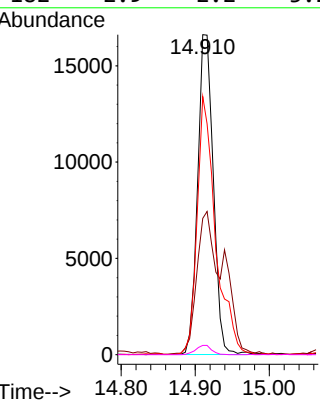
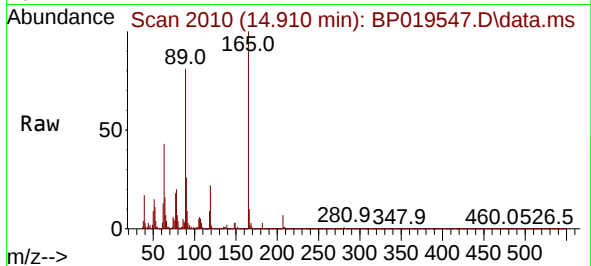
#57
2,4-Dinitrotoluene
Concen: 9.824 ng
RT: 14.910 min Scan# 2010
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:165	Resp:	2444
Ion Ratio	Lower	Upper
165	100	
63	42.6	36.9 55.3
89	80.7	61.1 91.7
182	2.9	2.2 3.2

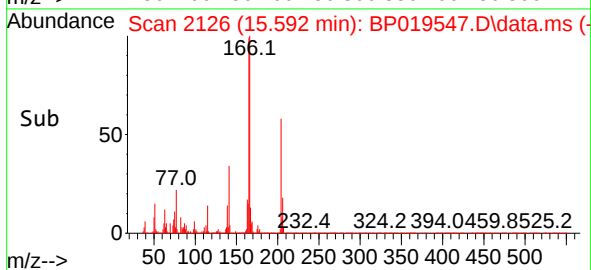
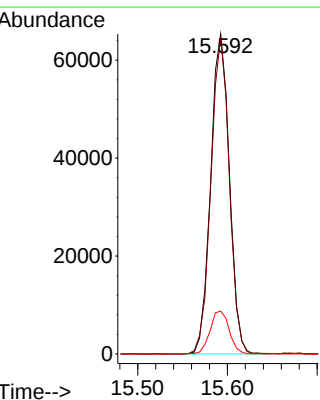
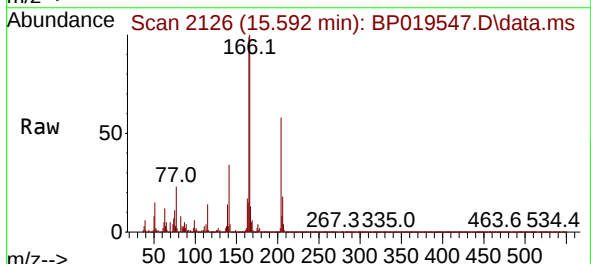
Manual Integrations
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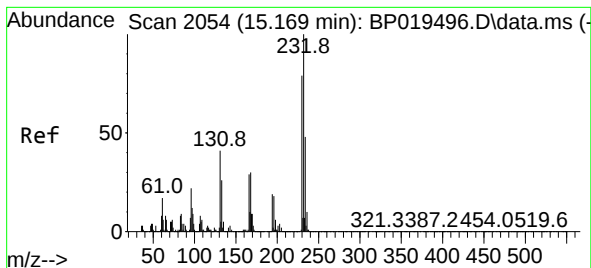
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#58
Fluorene
Concen: 11.319 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:166	Resp:	94559
Ion Ratio	Lower	Upper
166	100	
165	99.1	77.8 116.8
167	13.4	10.7 16.1





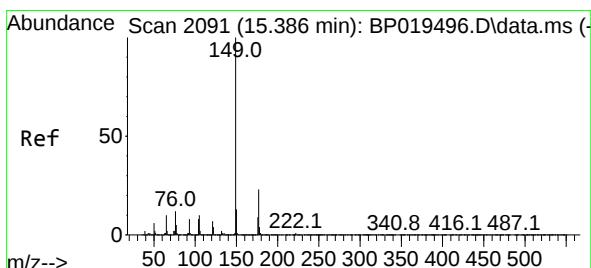
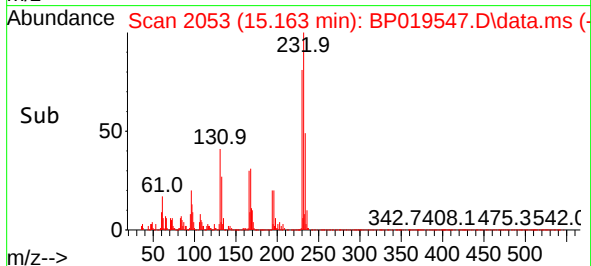
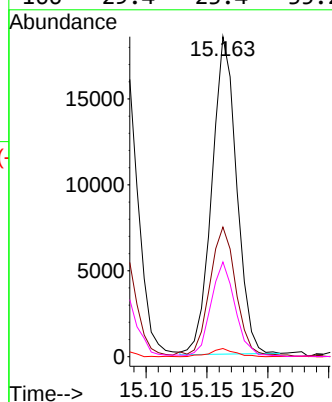
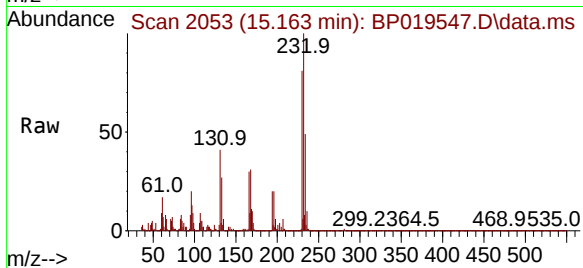
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.736 ng
RT: 15.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:232	Resp:	26138
Ion Ratio	Lower	Upper
232	100	
131	43.4	32.4 48.6
130	2.6	1.9 2.9
166	29.4	23.4 35.2

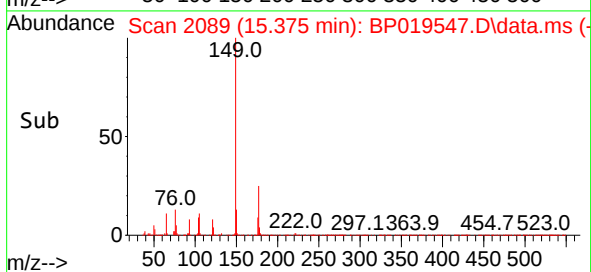
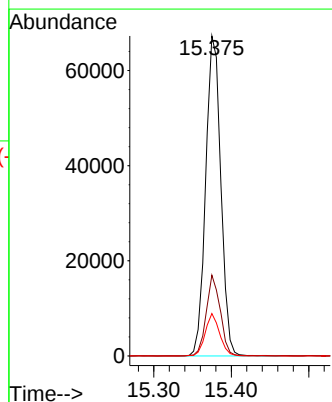
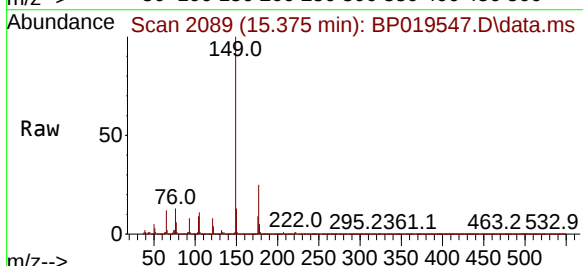
Manual Integrations
APPROVED

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



#60
Diethylphthalate
Concen: 10.595 ng
RT: 15.375 min Scan# 2089
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

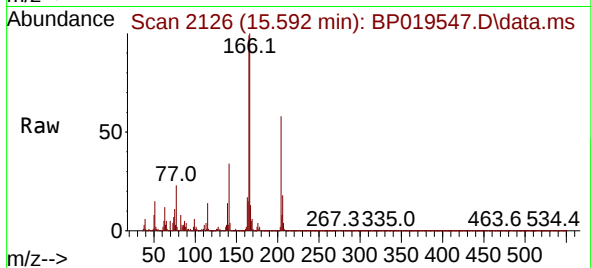
Tgt Ion:149	Resp:	91066
Ion Ratio	Lower	Upper
149	100	
177	25.3	18.2 27.2
150	13.2	10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 11.442 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

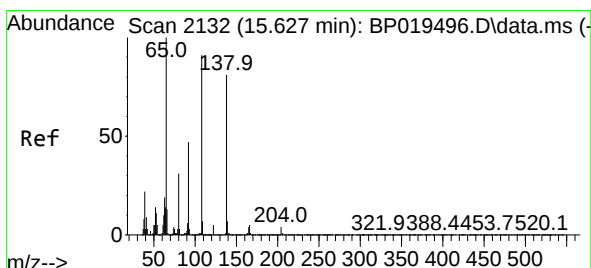
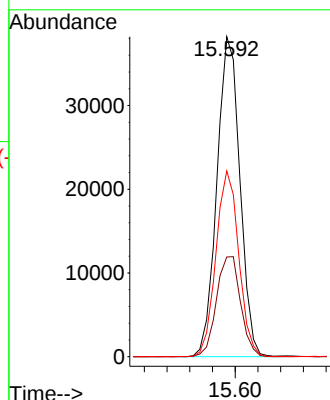
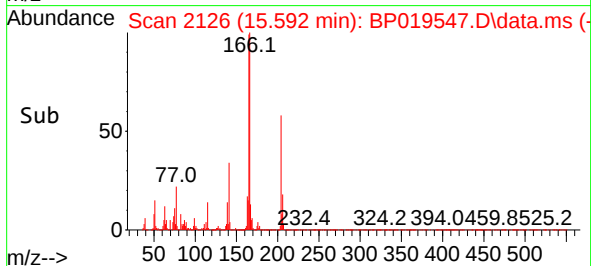
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:204 Resp: 5372
Ion Ratio Lower Upper
204 100
206 31.1 26.5 39.7
141 58.1 48.5 72.7

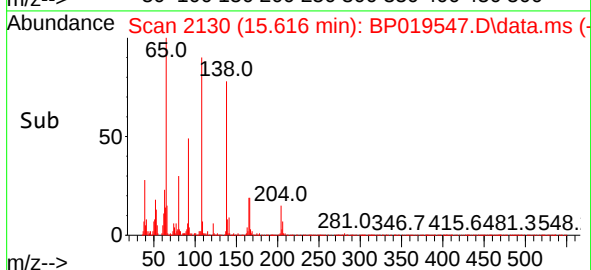
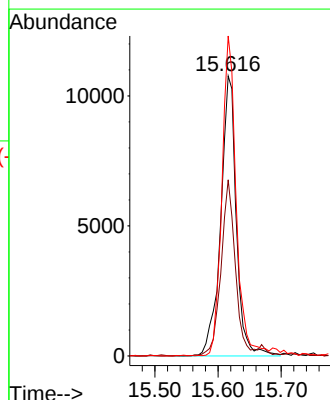
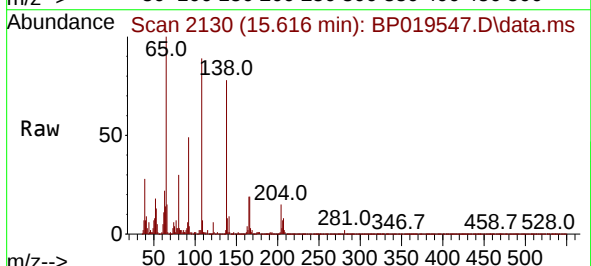
Manual Integrations
APPROVED

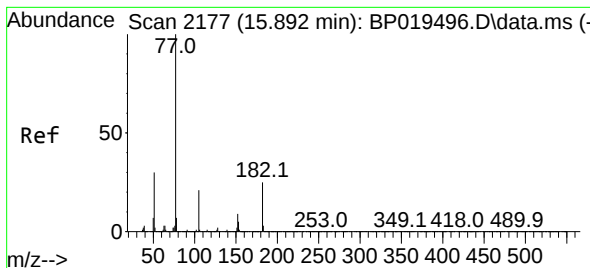
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#62
4-Nitroaniline
Concen: 10.128 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:138 Resp: 18522
Ion Ratio Lower Upper
138 100
92 62.9 38.3 78.3
108 114.3 91.2 131.2





#63

Azobenzene

Concen: 10.669 ng

RT: 15.887 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

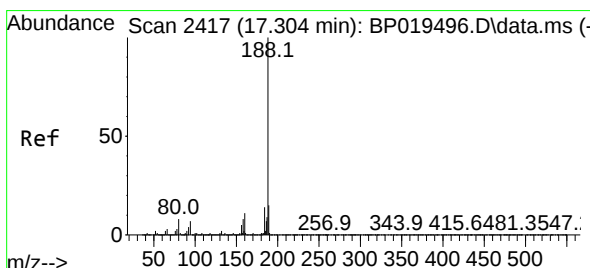
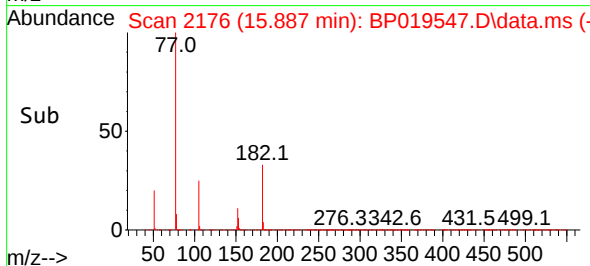
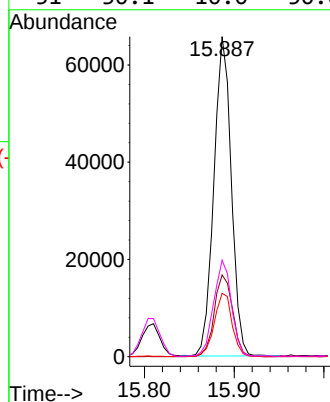
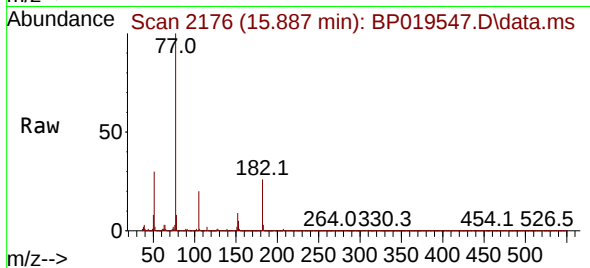
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 77	Resp: 8867
Ion Ratio	Lower Upper
77 100	
182 25.5	5.1 45.1
105 19.8	0.8 40.8
51 30.1	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

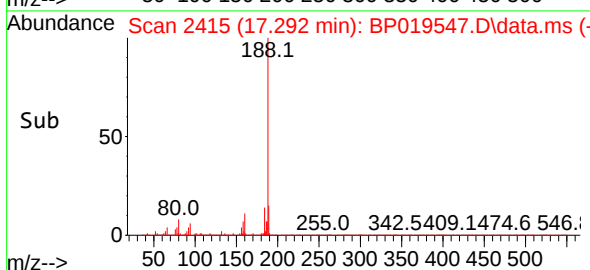
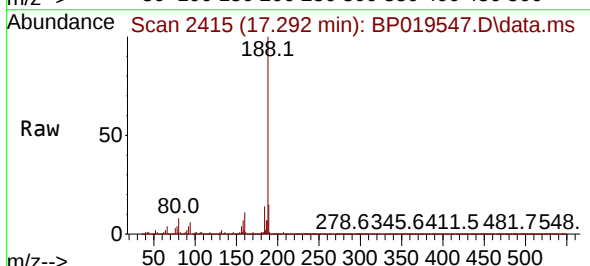
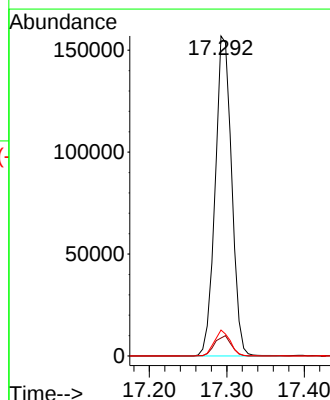
RT: 17.292 min Scan# 2415

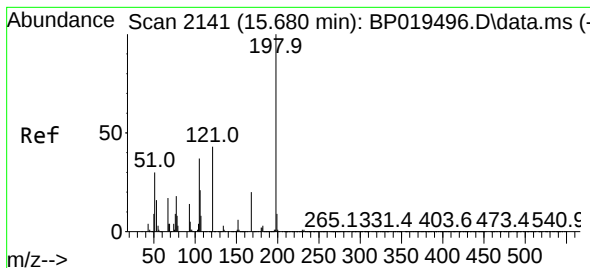
Delta R.T. -0.012 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:188	Resp: 232016
Ion Ratio	Lower Upper
188 100	
94 5.6	5.4 8.2
80 8.1	6.3 9.5





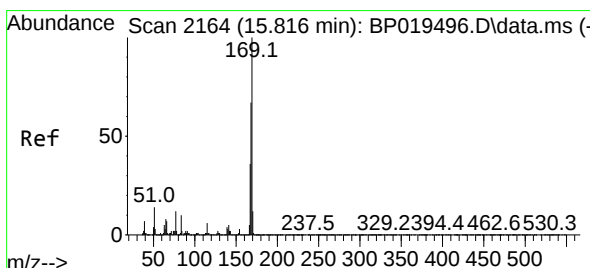
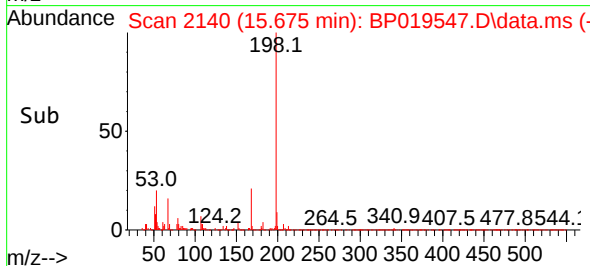
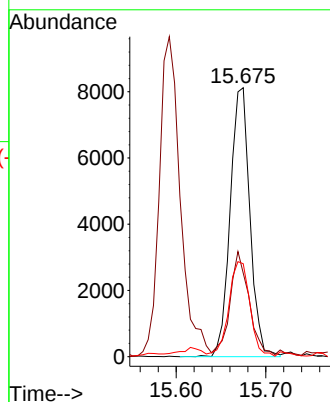
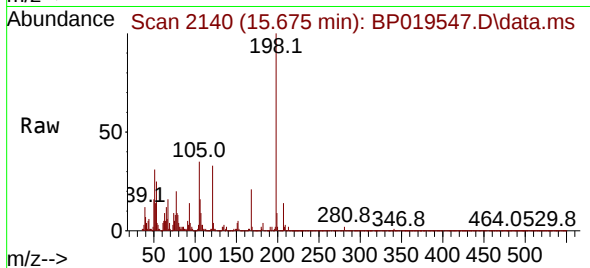
#65
4,6-Dinitro-2-methylphenol
Concen: 9.355 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:198 Resp: 12370
Ion Ratio Lower Upper
198 100
51 31.1 21.2 61.2
105 34.6 19.1 59.1

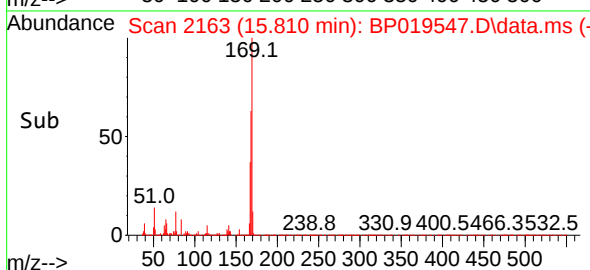
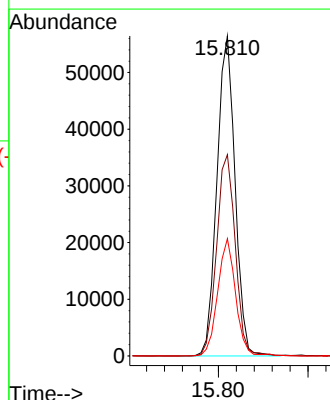
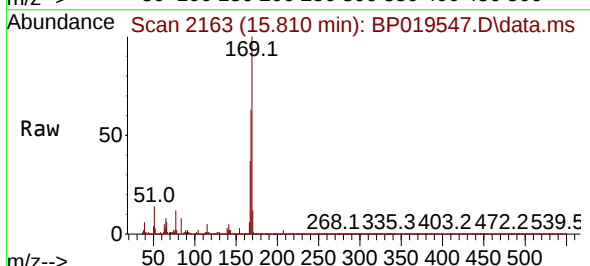
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APPROVED

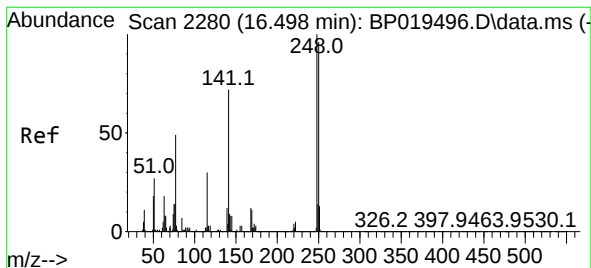
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#66
n-Nitrosodiphenylamine
Concen: 11.380 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:169 Resp: 79078
Ion Ratio Lower Upper
169 100
168 62.9 53.4 80.2
167 36.6 28.9 43.3





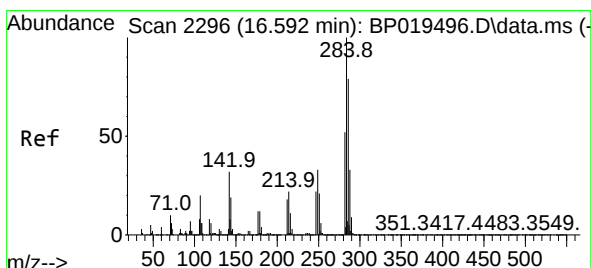
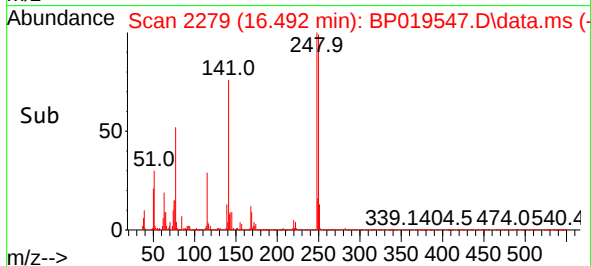
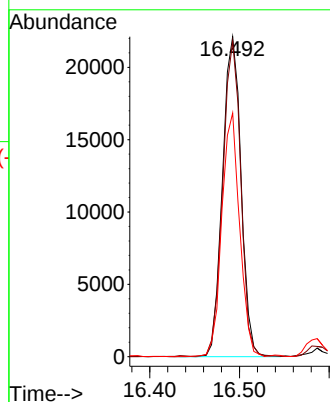
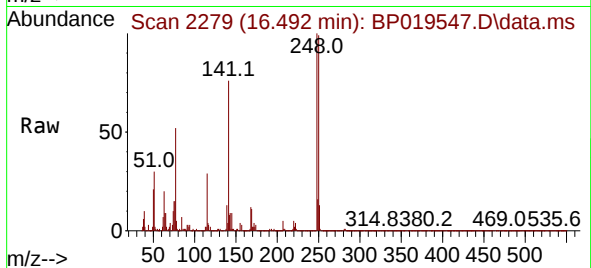
#67
4-Bromophenyl-phenylether
Concen: 10.914 ng
RT: 16.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:248 Resp: 3165
Ion Ratio Lower Upper
248 100
250 98.6 76.9 115.3
141 76.2 58.0 87.0

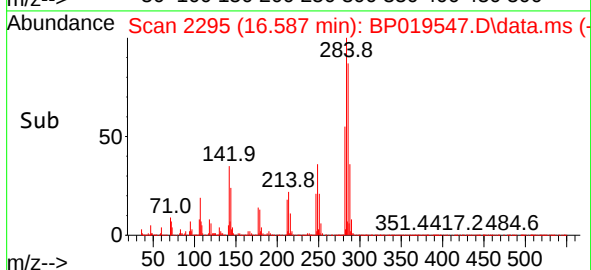
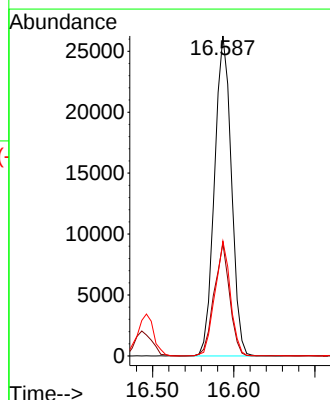
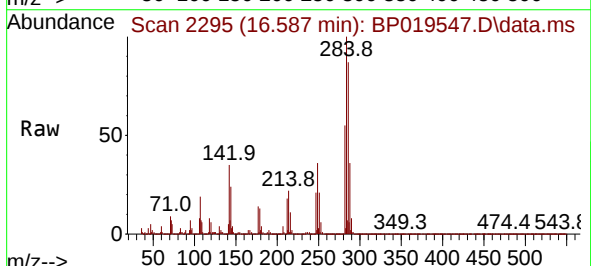
Manual Integrations
APPROVED

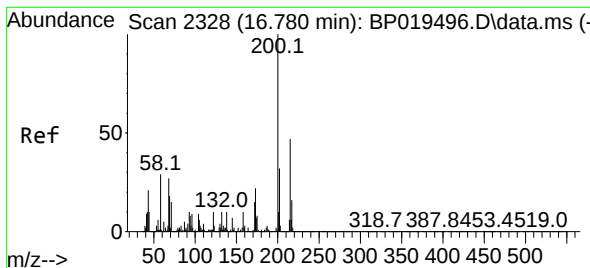
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#68
Hexachlorobenzene
Concen: 11.192 ng
RT: 16.587 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:284 Resp: 37907
Ion Ratio Lower Upper
284 100
142 35.2 25.4 38.2
249 35.9 26.5 39.7





#69

Atrazine

Concen: 13.029 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

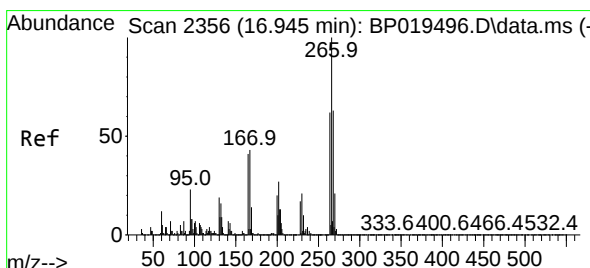
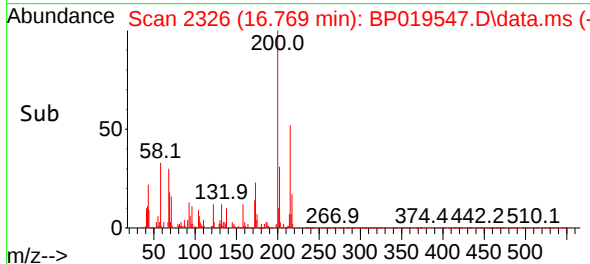
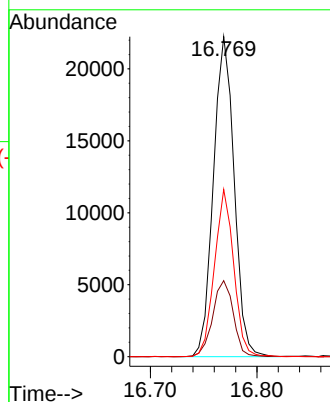
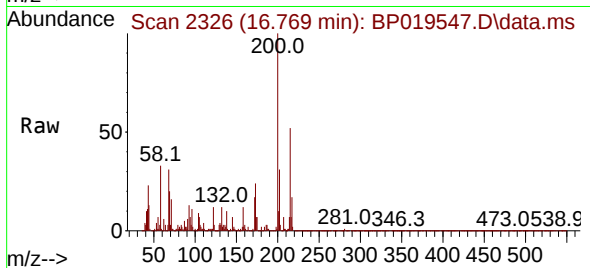
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:200	Resp:	3004
Ion Ratio	Lower	Upper
200	100	
173	23.7	1.7 41.7
215	52.2	26.9 66.9

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 9.381 ng

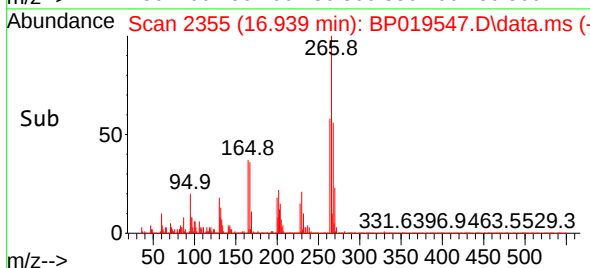
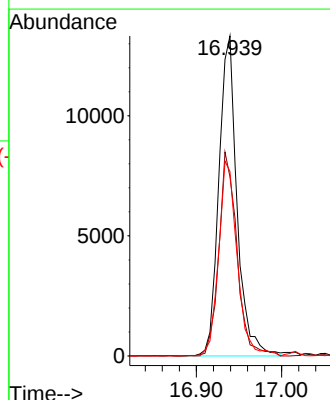
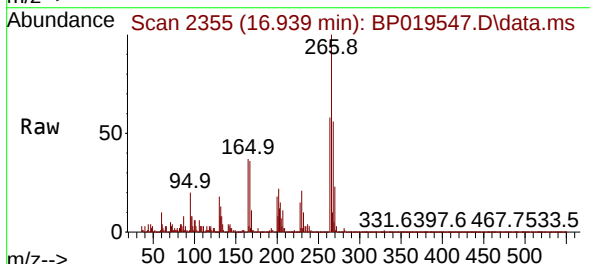
RT: 16.939 min Scan# 2355

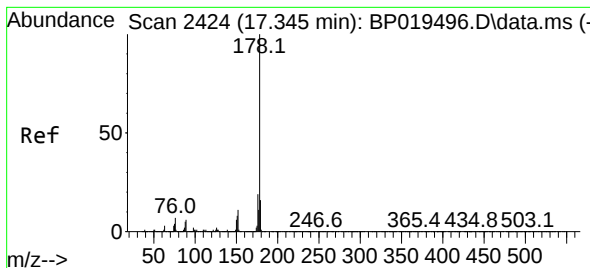
Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:266	Resp:	19787
Ion Ratio	Lower	Upper
266	100	
268	56.0	50.3 75.5
264	57.6	49.7 74.5





#71

Phenanthrene

Concen: 11.933 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

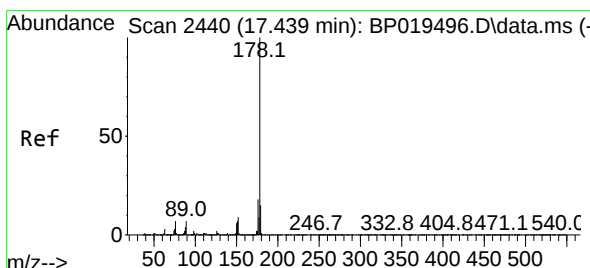
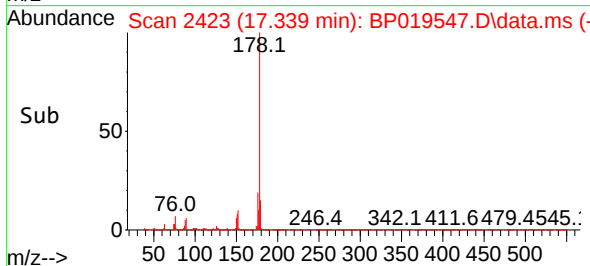
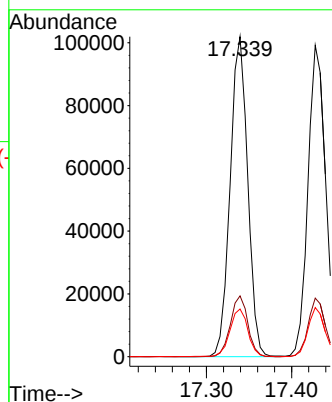
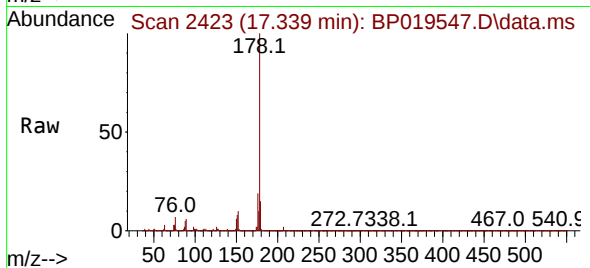
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:178 Resp: 145704
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.5 23.3
 179 14.9 12.6 19.0

Manual Integrations

APPROVED

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



#72

Anthracene

Concen: 11.744 ng

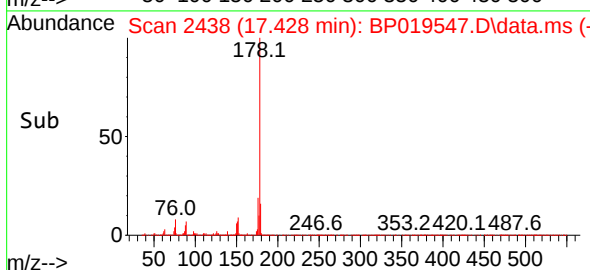
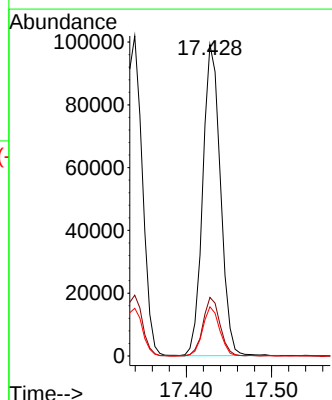
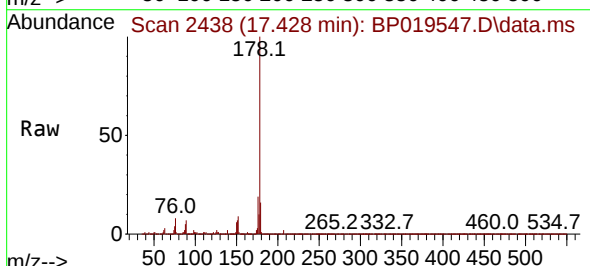
RT: 17.428 min Scan# 2438

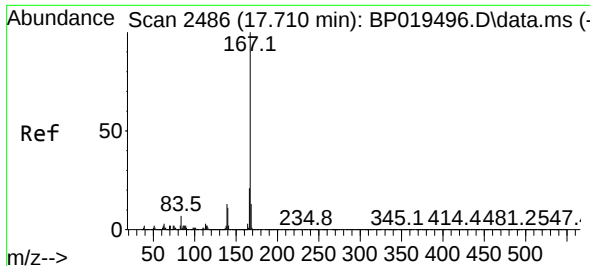
Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

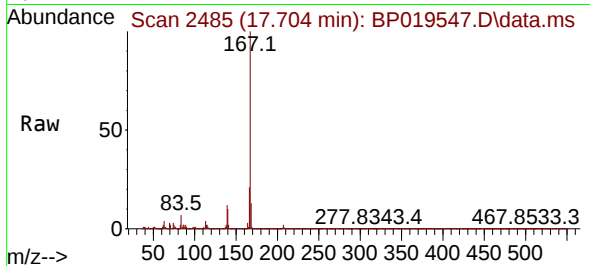
Tgt Ion:178 Resp: 143044
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.7 22.1
 179 15.8 12.2 18.2





#73
 Carbazole
 Concen: 11.346 ng
 RT: 17.704 min Scan# 2486
 Delta R.T. -0.006 min
 Lab File: BP019547.D
 Acq: 03 Feb 2024 02:23

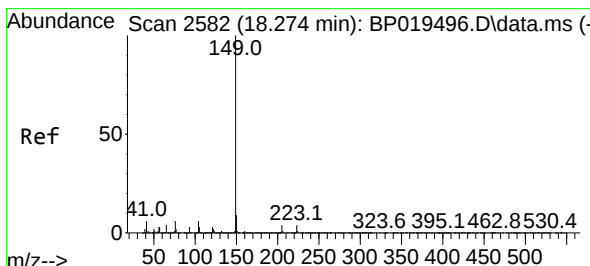
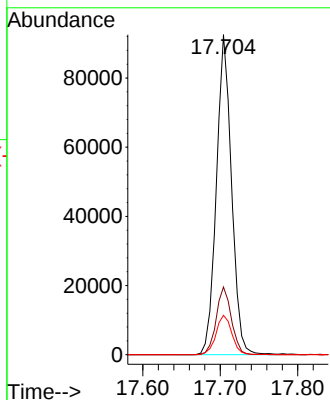
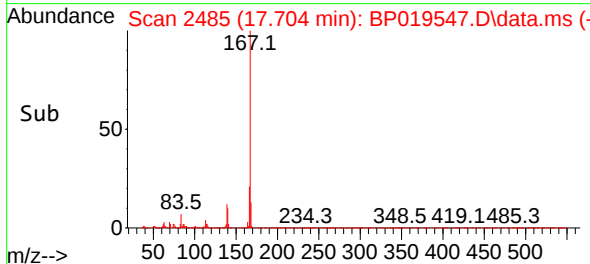
Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



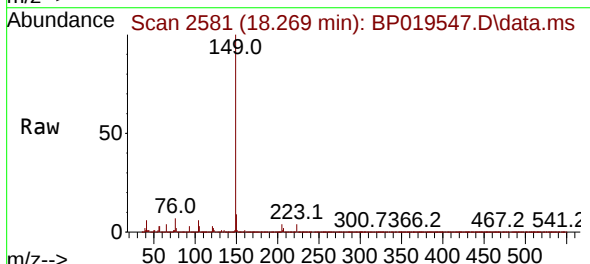
Tgt Ion:167 Resp: 125544
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.2 25.8
 139 12.3 10.6 15.8

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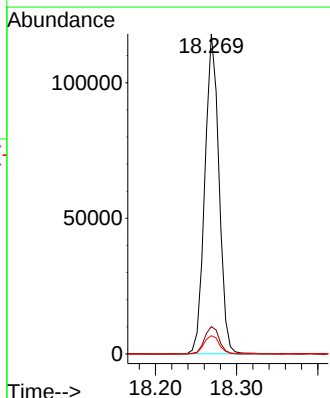
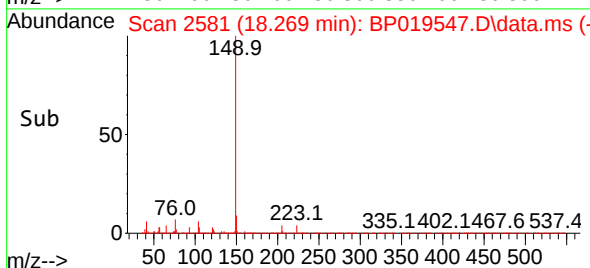
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#74
 Di-n-butylphthalate
 Concen: 10.624 ng
 RT: 18.269 min Scan# 2581
 Delta R.T. -0.006 min
 Lab File: BP019547.D
 Acq: 03 Feb 2024 02:23



Tgt Ion:149 Resp: 142135
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.3 10.9
 104 5.7 4.8 7.2





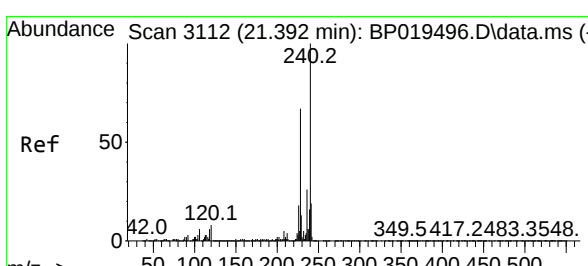
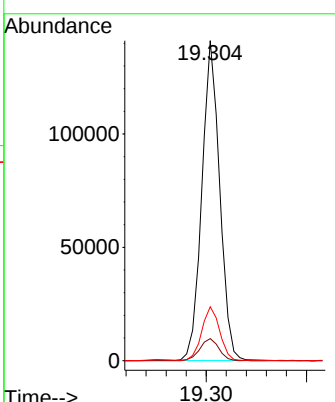
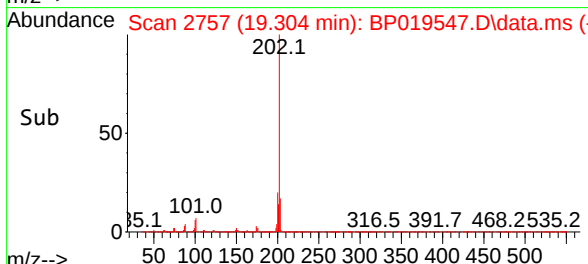
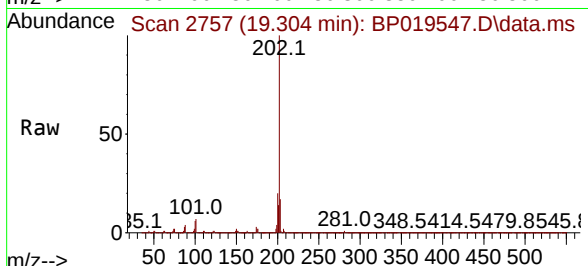
#75
 Fluoranthene
 Concen: 11.651 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019547.D
 Acq: 03 Feb 2024 02:23

Instrument : BNA_P
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:	202	Resp:	173792
Ion Ratio	Lower	Upper	
202	100		
101	6.9	0.0	27.7
203	16.8	0.0	37.5

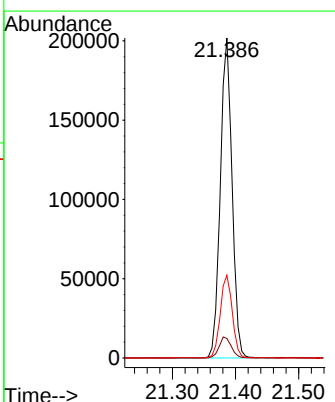
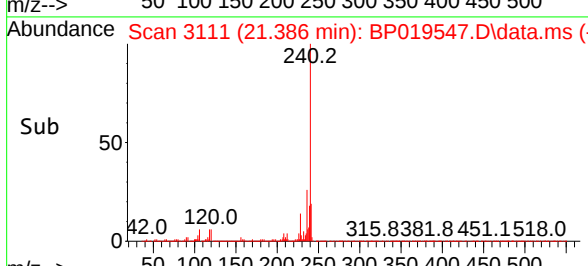
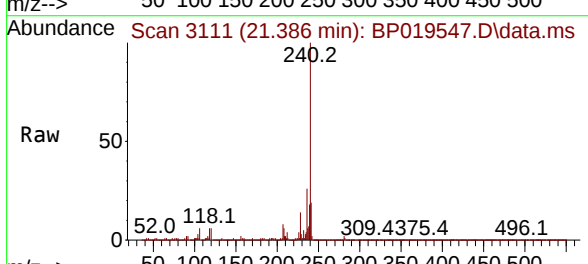
Manual Integrations
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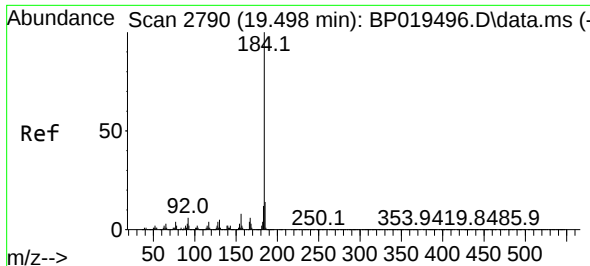
Reviewed By :Jagrut Upadhyay 02/05/2024
 Supervised By :mohammad ahmed 02/06/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019547.D
 Acq: 03 Feb 2024 02:23

Tgt Ion:	240	Resp:	260299
Ion Ratio	Lower	Upper	
240	100		
120	6.1	6.1	9.1
236	25.8	20.7	31.1





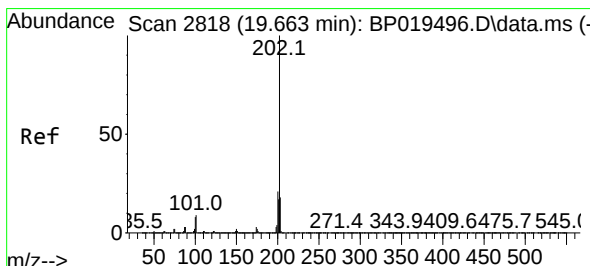
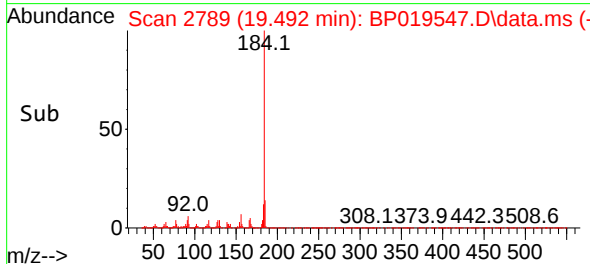
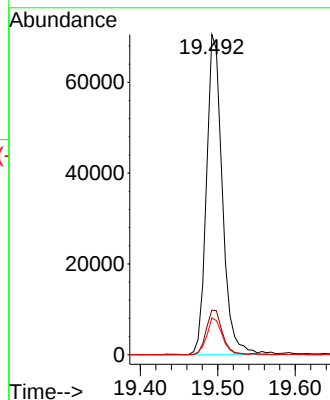
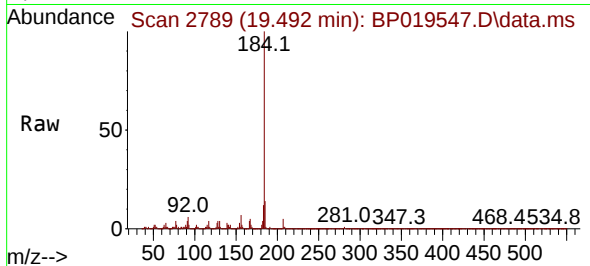
#77
Benzidine
Concen: 18.504 ng
RT: 19.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:184 Resp: 10069
Ion Ratio Lower Upper
184 100
185 13.9 11.1 16.7
183 11.5 9.7 14.5

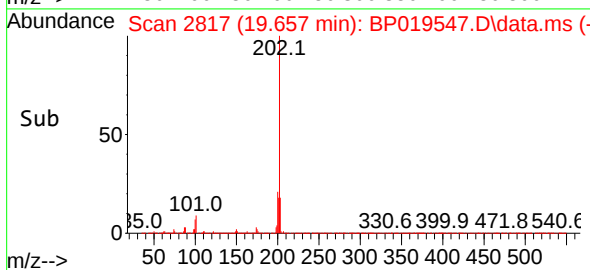
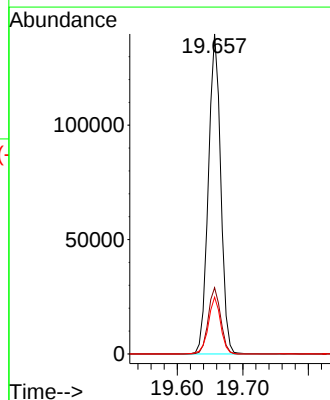
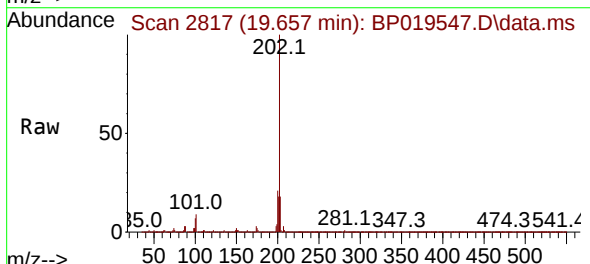
Manual Integrations
APPROVED

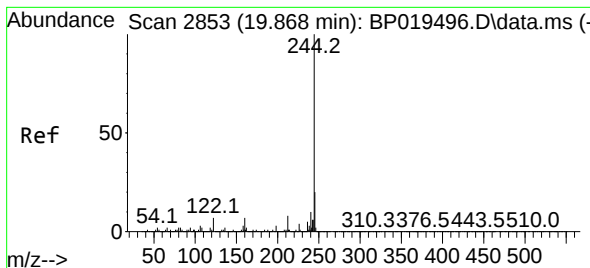
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#78
Pyrene
Concen: 9.989 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:202 Resp: 183502
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 108.475 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:244 Resp: 1716954

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

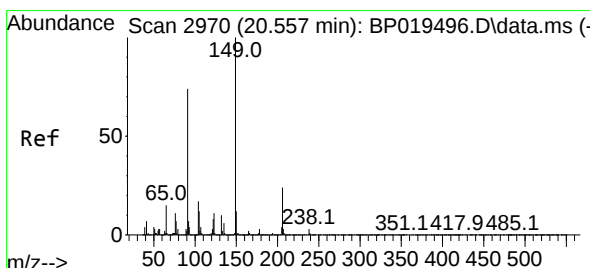
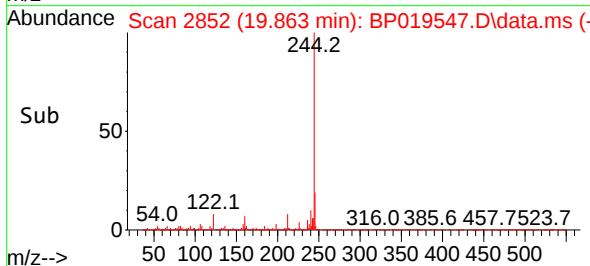
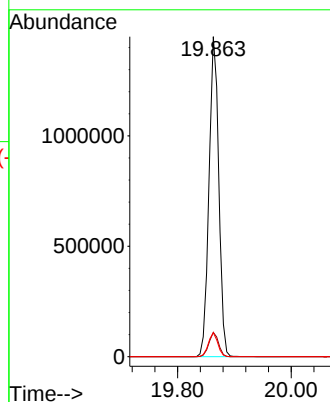
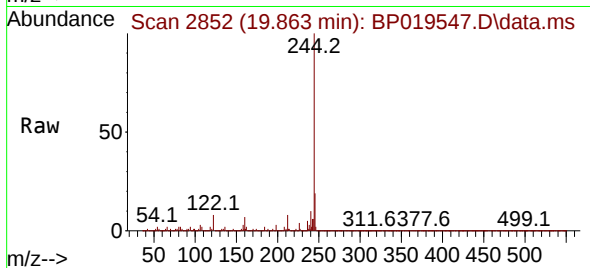
122 7.5 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2024

Supervised By :mohammad ahmed 02/06/2024



#80

Butylbenzylphthalate

Concen: 9.401 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

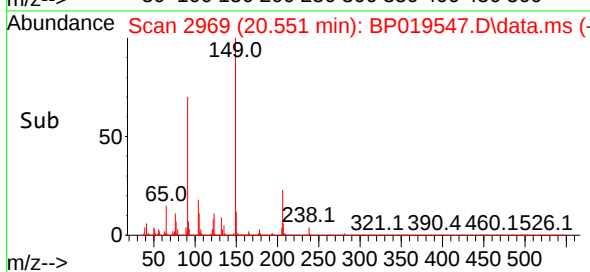
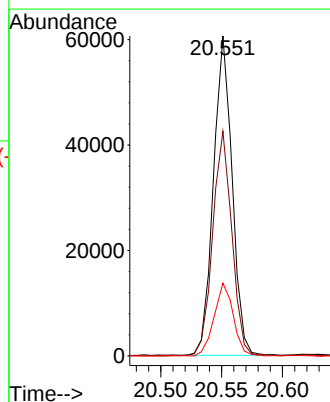
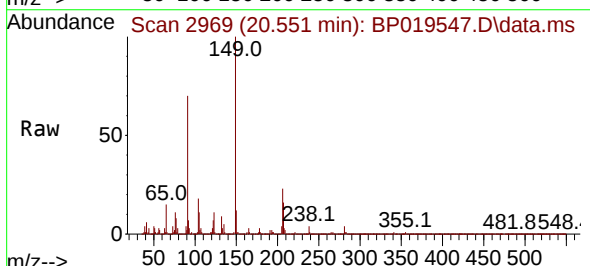
Tgt Ion:149 Resp: 64496

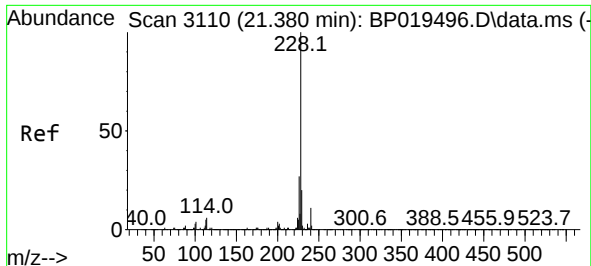
Ion Ratio Lower Upper

149 100

91 70.2 59.4 89.0

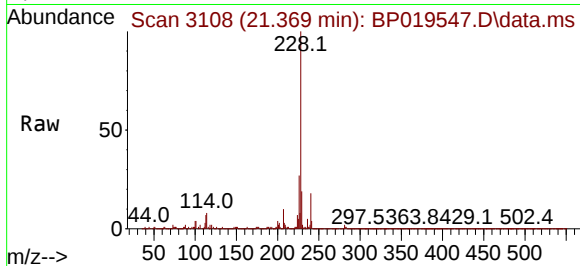
206 22.7 19.0 28.6





#81
Benzo(a)anthracene
Concen: 11.550 ng
RT: 21.369 min Scan# 3110
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

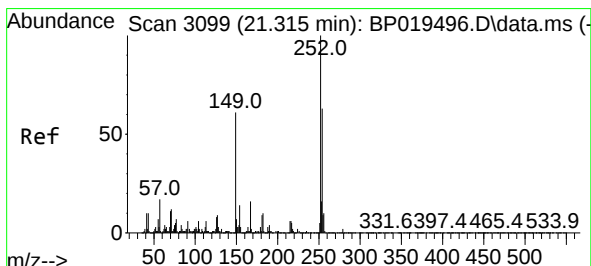
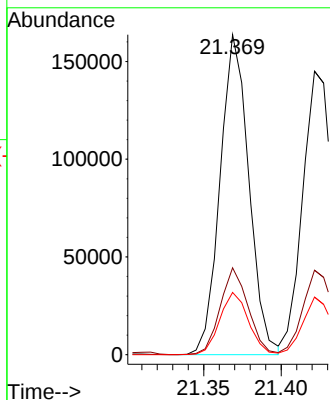
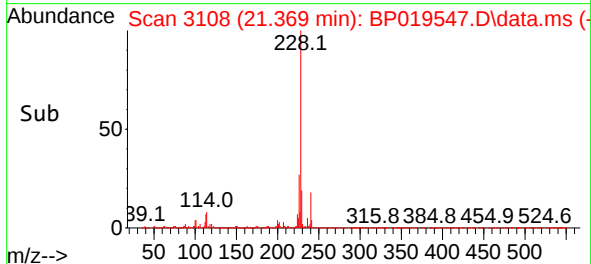
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



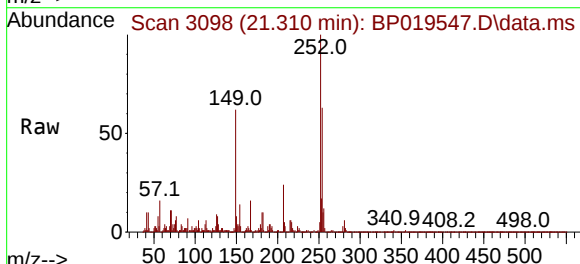
Tgt Ion:228 Resp: 21163
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.4 15.6 23.4

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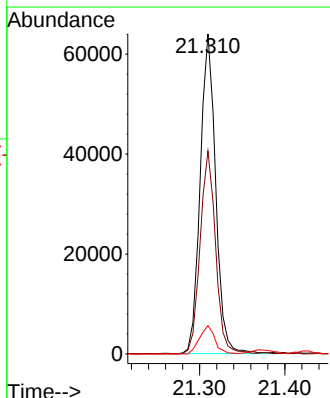
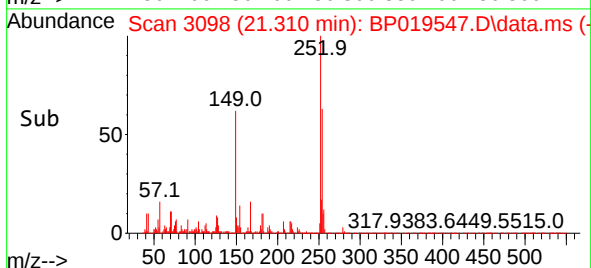
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024

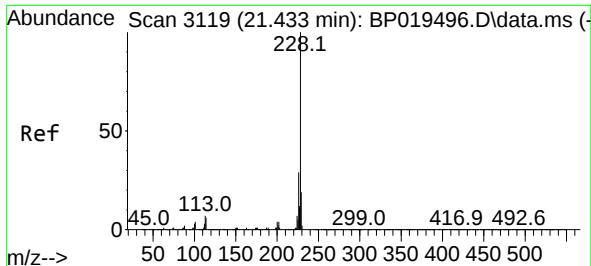


#82
3,3'-Dichlorobenzidine
Concen: 12.114 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23



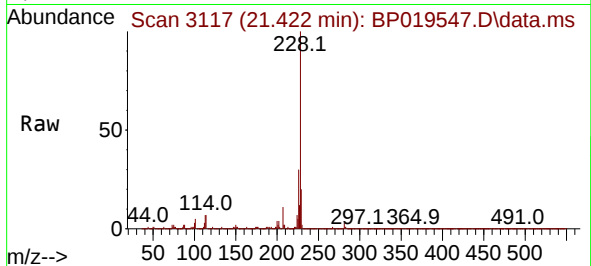
Tgt Ion:252 Resp: 80886
Ion Ratio Lower Upper
252 100
254 63.4 50.7 76.1
126 8.9 6.4 9.6





#83
Chrysene
Concen: 11.333 ng
RT: 21.422 min Scan# 3119
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

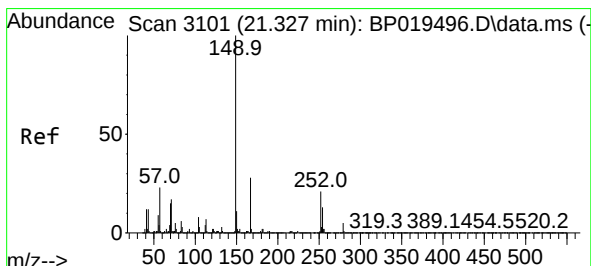
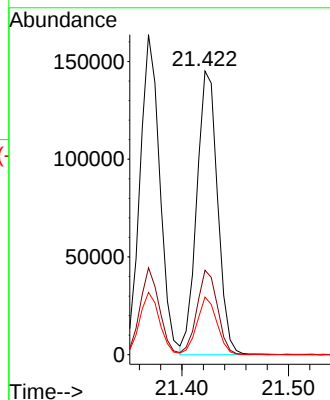
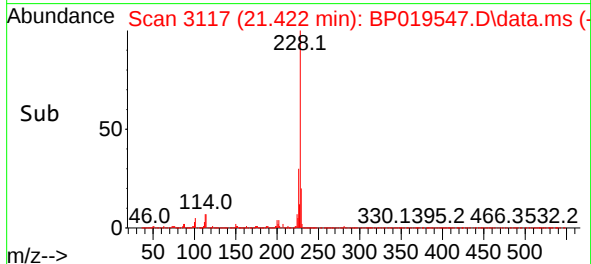
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:228 Resp: 197149
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 20.3 15.6 23.4

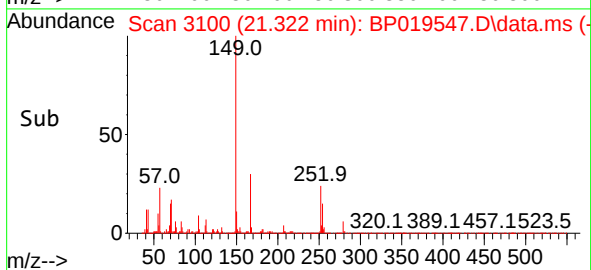
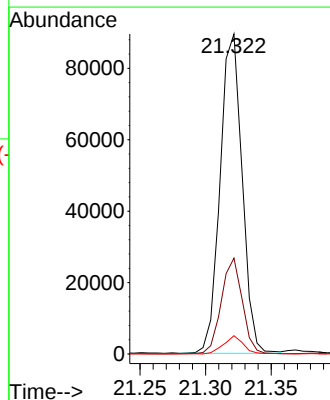
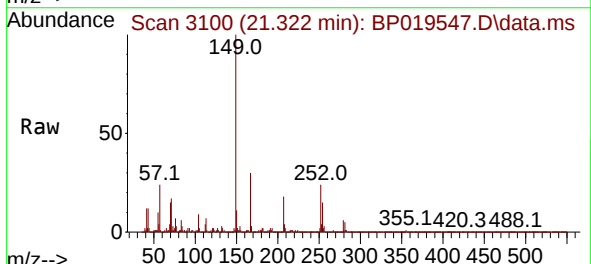
Manual Integrations
APPROVED

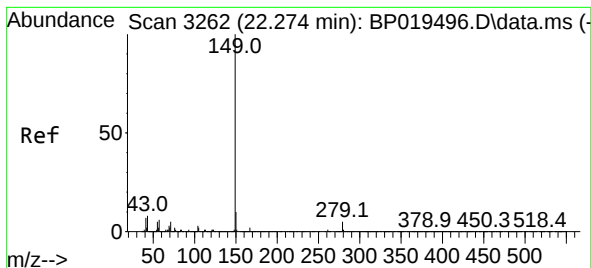
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.975 ng
RT: 21.322 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:149 Resp: 104210
Ion Ratio Lower Upper
149 100
167 30.0 22.7 34.1
279 5.7 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 9.996 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

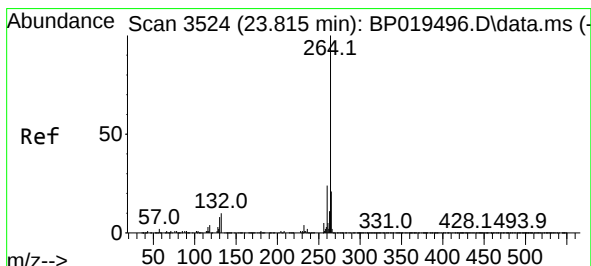
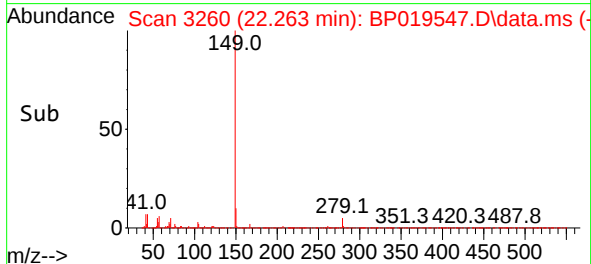
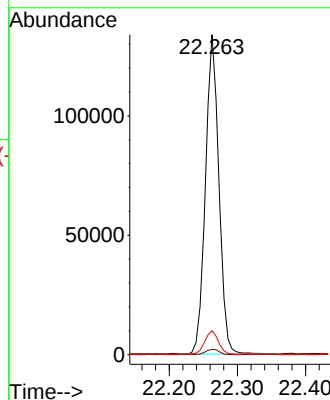
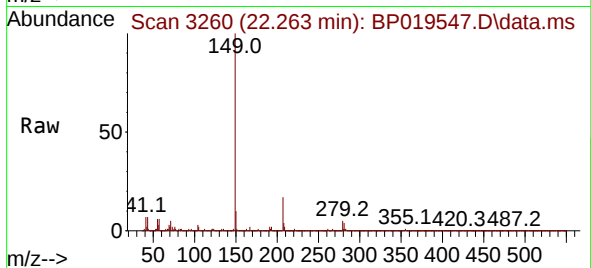
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:149	Resp: 18373
Ion Ratio	Lower Upper
149 100	
167 1.8	1.3 1.9
43 7.5	6.3 9.5

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

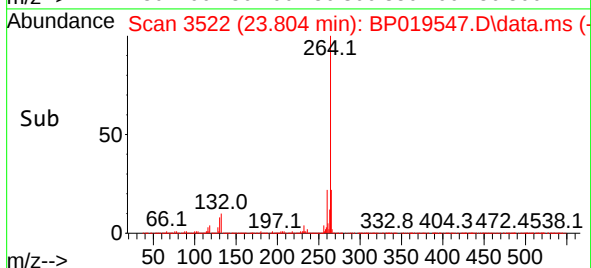
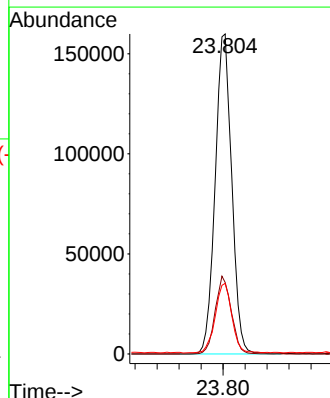
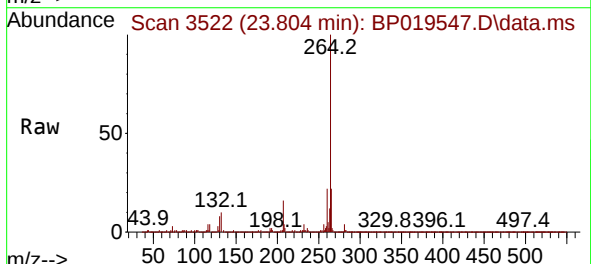
RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:264	Resp: 333906
Ion Ratio	Lower Upper
264 100	
260 22.3	19.2 28.8
265 22.0	17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.067 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

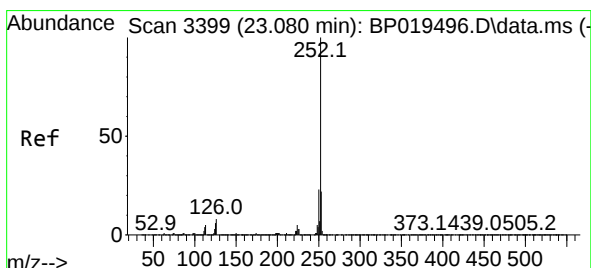
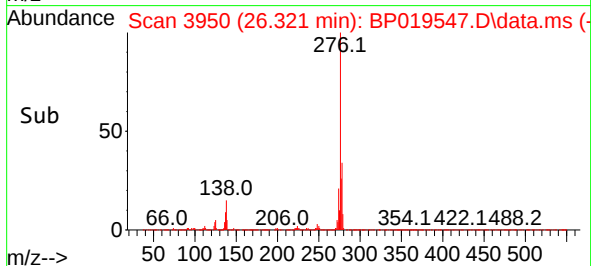
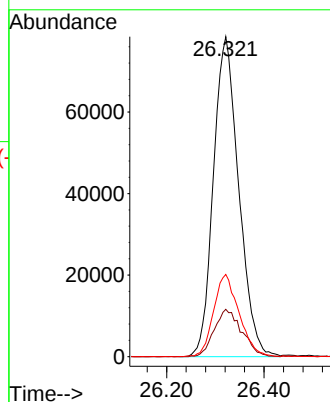
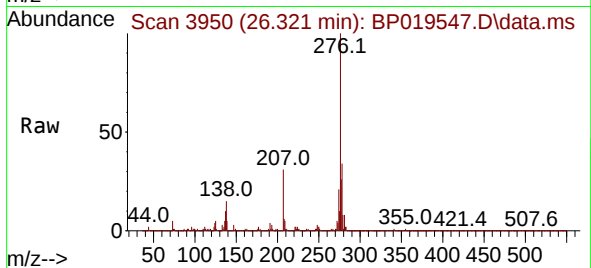
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:	276	Resp:	28286
Ion Ratio	Lower	Upper	
276	100		
138	16.1	13.1	19.7
277	25.8	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: 11.306 ng

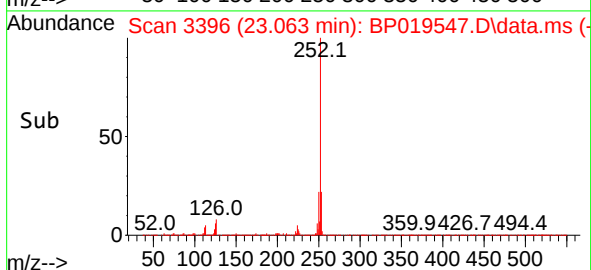
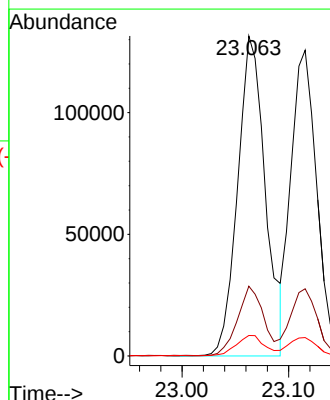
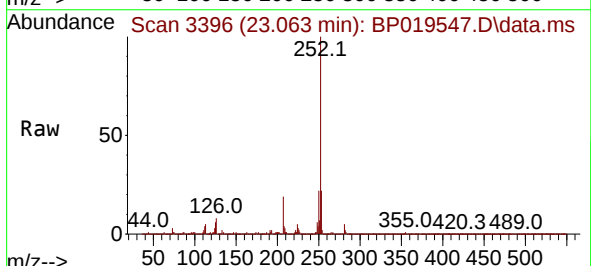
RT: 23.063 min Scan# 3396

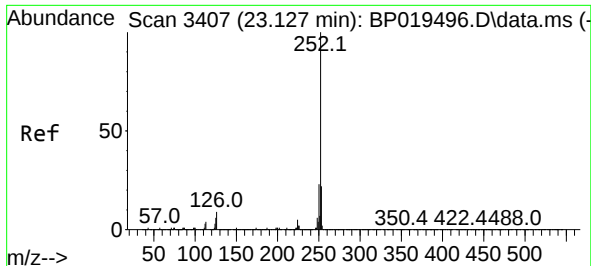
Delta R.T. -0.017 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:	252	Resp:	237933
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.3	25.9
125	6.4	4.9	7.3





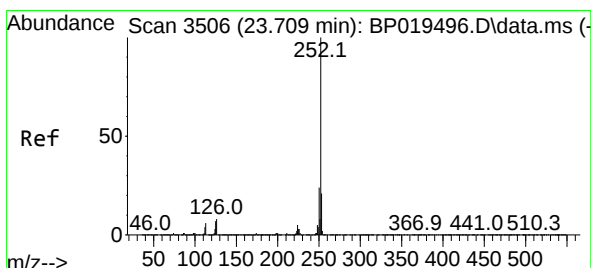
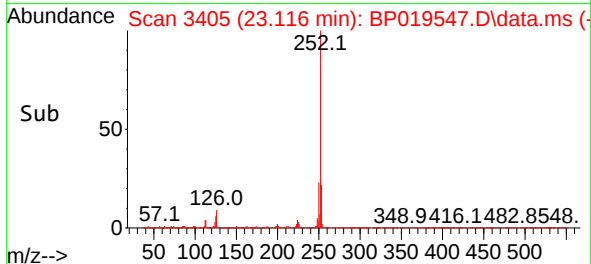
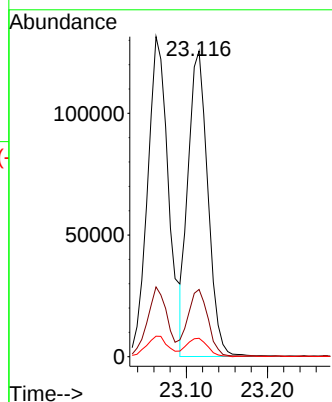
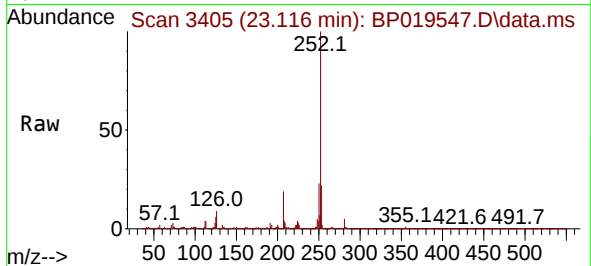
#89
Benzo(k)fluoranthene
Concen: 10.539 ng
RT: 23.116 min Scan# 3405
Delta R.T. -0.011 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:252 Resp: 21186
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 6.0 5.0 7.6

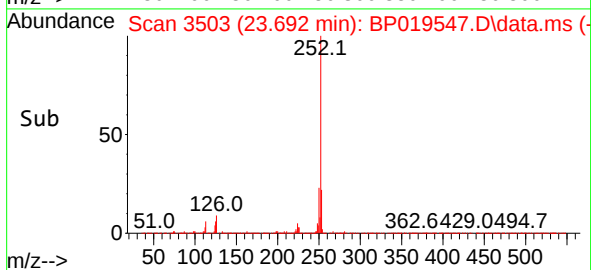
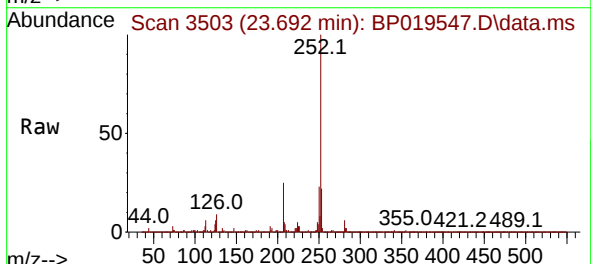
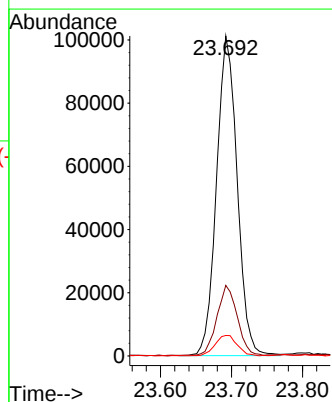
Manual Integrations
APPROVED

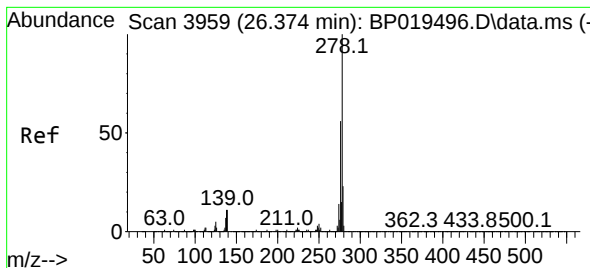
Reviewed By :Jagrut Upadhyay 02/05/2024
Supervised By :mohammad ahmed 02/06/2024



#90
Benzo(a)pyrene
Concen: 10.885 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.017 min
Lab File: BP019547.D
Acq: 03 Feb 2024 02:23

Tgt Ion:252 Resp: 203825
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 6.4 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 11.086 ng

RT: 26.345 min Scan# 3954

Delta R.T. -0.029 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Instrument :

BNA_P

ClientSampleId :

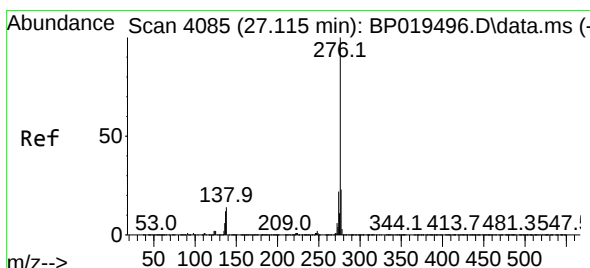
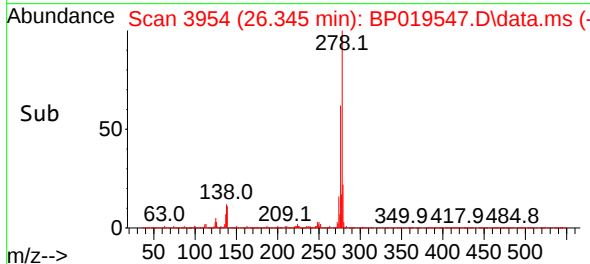
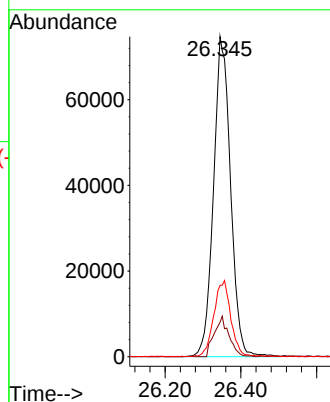
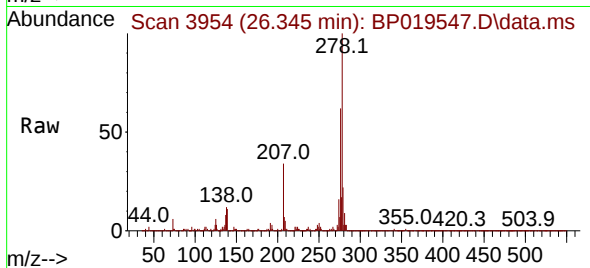
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:	278	Resp:	23303
Ion Ratio	Lower	Upper	
278	100		
139	10.8	8.6	12.8
279	22.3	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: 10.586 ng

RT: 27.092 min Scan# 4081

Delta R.T. -0.023 min

Lab File: BP019547.D

Acq: 03 Feb 2024 02:23

Tgt Ion:	276	Resp:	225767
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	28.0
138	12.3	10.9	16.3

