

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092024\
 Data File : BP021963.D
 Acq On : 20 Sep 2024 11:49
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ--SOIL 5 ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 20 12:33:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	75132	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	282360	20.000	ng	0.00
39) Acenaphthene-d10	14.322	164	208918	20.000	ng	0.00
64) Phenanthrene-d10	17.110	188	508713	20.000	ng	-0.03
76) Chrysene-d12	21.539	240	626667	20.000	ng	-0.02
86) Perylene-d12	24.833	264	750639	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	468864	117.277	ng	0.00
7) Phenol-d6	6.893	99	603181	116.219	ng	0.00
23) Nitrobenzene-d5	8.852	82	456145	85.480	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	482980	124.701	ng	-0.02
45) 2-Fluorobiphenyl	12.934	172	1227826	85.792	ng	0.00
79) Terphenyl-d14	19.845	244	2734781	81.977	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	8001	4.820	ng	94
3) Pyridine	3.664	79	18607	4.203	ng	98
4) n-Nitrosodimethylamine	3.564	42	11323	4.848	ng	# 86
6) Aniline	7.046	93	26796	5.875	ng	93
8) 2-Chlorophenol	7.281	128	21101	4.936	ng	91
9) Benzaldehyde	6.864	77	21032	7.750	ng	95
10) Phenol	6.917	94	25009	4.852	ng	96
11) bis(2-Chloroethyl)ether	7.140	93	19043	4.904	ng	89
12) 1,3-Dichlorobenzene	7.605	146	25901	4.799	ng	95
13) 1,4-Dichlorobenzene	7.746	146	26037	4.757	ng	97
14) 1,2-Dichlorobenzene	8.058	146	25043	4.767	ng	98
15) Benzyl Alcohol	7.952	79	18191	4.570	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.222	45	21268	5.135	ng	98
17) 2-Methylphenol	8.146	107	16130	4.632	ng	97
18) Hexachloroethane	8.775	117	9346	4.644	ng	97
19) n-Nitroso-di-n-propyla...	8.505	70	15913	4.933	ng	92
20) 3+4-Methylphenols	8.469	107	21218	4.316	ng	96
22) Acetophenone	8.522	105	34001	4.936	ng	97
24) Nitrobenzene	8.893	77	24987	4.611	ng	99
25) Isophorone	9.416	82	41227	4.686	ng	97
26) 2-Nitrophenol	9.599	139	9640	4.068	ng	88
27) 2,4-Dimethylphenol	9.652	122	12404	4.521	ng	94
28) bis(2-Chloroethoxy)met...	9.887	93	24467	4.638	ng	97
29) 2,4-Dichlorophenol	10.128	162	19953	4.285	ng	96
30) 1,2,4-Trichlorobenzene	10.340	180	27073	4.667	ng	96
31) Naphthalene	10.528	128	66378	4.711	ng	97
32) Benzoic acid	9.728	122	10392m	3.240	ng	
33) 4-Chloroaniline	10.628	127	25199	4.958	ng	94
34) Hexachlorobutadiene	10.810	225	20567	4.532	ng	98
35) Caprolactam	11.399	113	5338	3.852	ng	# 89
36) 4-Chloro-3-methylphenol	11.757	107	20240	4.051	ng	# 91
37) 2-Methylnaphthalene	12.128	142	48768	4.731	ng	98
38) 1-Methylnaphthalene	12.352	142	43855	4.309	ng	100
40) 1,2,4,5-Tetrachloroben...	12.504	216	34491	4.719	ng	99
41) Hexachlorocyclopentadiene	12.487	237	15090	5.556	ng	97
43) 2,4,6-Trichlorophenol	12.746	196	18405	4.102	ng	93

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 Sample : P2403-02
 Misc : LOQ--SOIL 5 ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

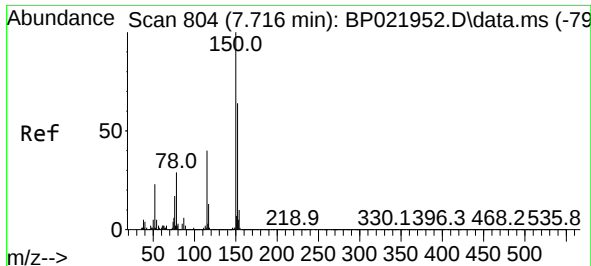
Quant Time: Sep 20 12:33:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.816	196	19660	3.906	ng	97
46) 1,1'-Biphenyl	13.146	154	73761	5.178	ng	97
47) 2-Chloronaphthalene	13.193	162	53911	4.681	ng	98
48) 2-Nitroaniline	13.393	65	12748	4.053	ng	99
49) Acenaphthylene	14.046	152	79400	4.885	ng	98
50) Dimethylphthalate	13.775	163	73562	4.855	ng	99
51) 2,6-Dinitrotoluene	13.887	165	13543	4.011	ng	97
52) Acenaphthene	14.381	154	48002	4.538	ng	98
53) 3-Nitroaniline	14.228	138	11794	3.919	ng	99
54) 2,4-Dinitrophenol	14.440	184	5921	2.993	ng #	77
55) Dibenzofuran	14.722	168	87727	4.934	ng	99
56) 4-Nitrophenol	14.551	139	8334	3.182	ng	85
57) 2,4-Dinitrotoluene	14.687	165	18641	3.905	ng #	93
58) Fluorene	15.381	166	69789	4.700	ng	93
59) 2,3,4,6-Tetrachlorophenol	14.957	232	21192	4.363	ng	99
60) Diethylphthalate	15.151	149	72756	4.725	ng	99
61) 4-Chlorophenyl-phenyle...	15.375	204	39801	4.604	ng	97
62) 4-Nitroaniline	15.393	138	12893	3.896	ng	97
63) Azobenzene	15.675	77	57578	4.519	ng	98
65) 4,6-Dinitro-2-methylph...	15.463	198	10330	3.503	ng	95
66) n-Nitrosodiphenylamine	15.593	169	57832	4.566	ng	98
67) 4-Bromophenyl-phenylether	16.287	248	27278	4.600	ng	98
68) Hexachlorobenzene	16.404	284	34530	4.670	ng	93
69) Atrazine	16.563	200	25342	5.584	ng	97
70) Pentachlorophenol	16.757	266	17749	3.568	ng	96
71) Phenanthrene	17.157	178	120610	4.939	ng	97
72) Anthracene	17.251	178	112788	4.771	ng	98
73) Carbazole	17.534	167	101661	4.453	ng	99
74) Di-n-butylphthalate	18.122	149	112604	4.199	ng	99
75) Fluoranthene	19.239	202	152606	4.477	ng	99
77) Benzidine	19.439	184	63355	8.273	ng	96
78) Pyrene	19.616	202	162904	4.297	ng	98
80) Butylbenzylphthalate	20.575	149	55953	4.138	ng	93
81) Benzo(a)anthracene	21.522	228	192887	4.790	ng	99
82) 3,3'-Dichlorobenzidine	21.445	252	64301	4.401	ng	100
83) Chrysene	21.592	228	184677	4.871	ng	98
84) Bis(2-ethylhexyl)phtha...	21.469	149	84160	4.241	ng	99
85) Di-n-octyl phthalate	22.710	149	136346	4.045	ng	99
87) Indeno(1,2,3-cd)pyrene	28.551	276	240368	4.815	ng #	88
88) Benzo(b)fluoranthene	23.786	252	199947m	4.504	ng	
89) Benzo(k)fluoranthene	23.845	252	203228	4.837	ng	98
90) Benzo(a)pyrene	24.669	252	179516	4.694	ng	97
91) Dibenzo(a,h)anthracene	28.633	278	197614	4.796	ng #	97
92) Benzo(g,h,i)perylene	29.698	276	188242	4.460	ng #	97

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



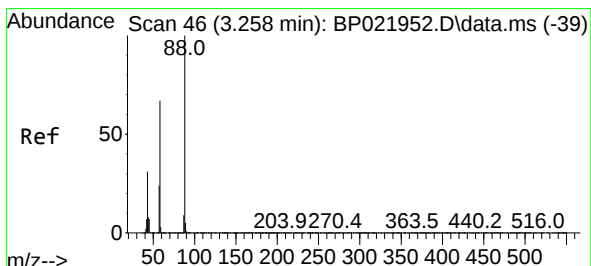
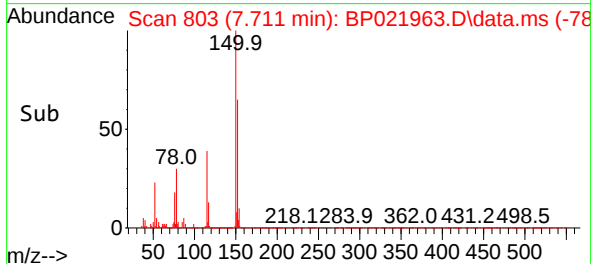
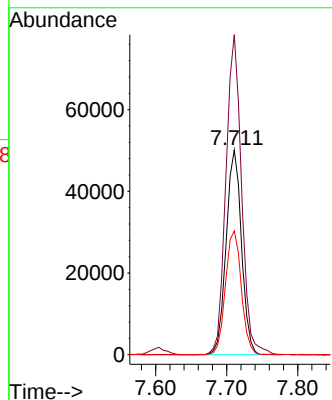
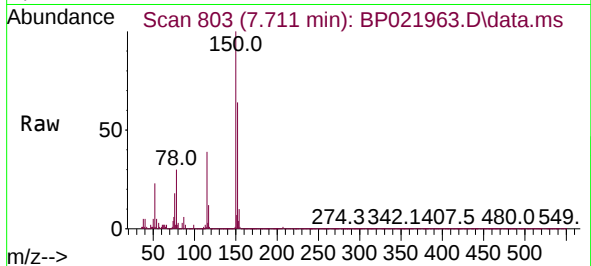
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 804
Delta R.T. -0.005 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:152 Resp: 7513
Ion Ratio Lower Upper
152 100
150 156.2 124.2 186.2
115 60.5 49.2 73.8

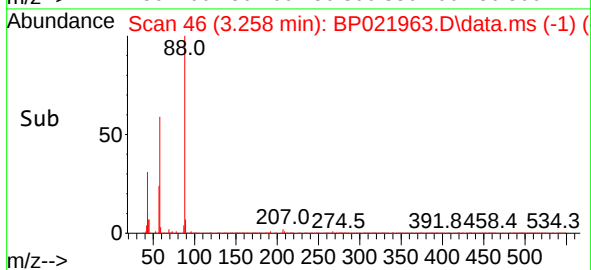
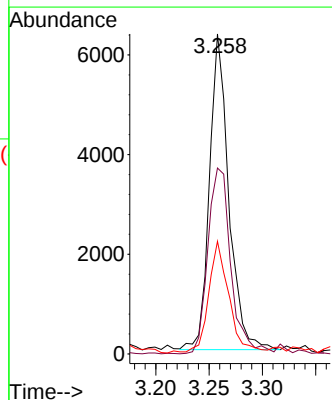
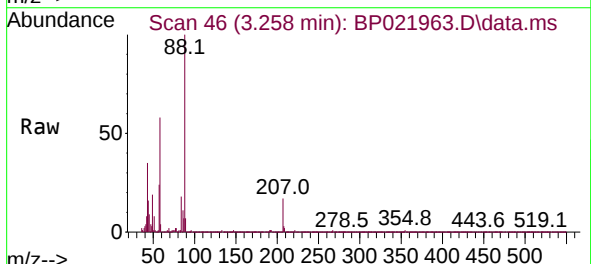
Manual Integrations
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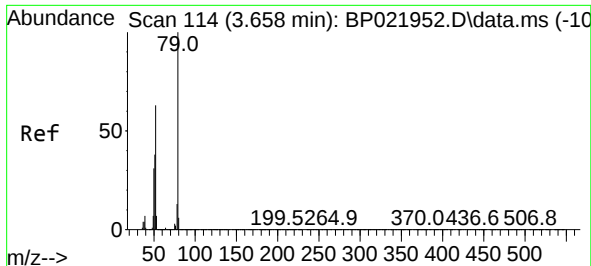
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#2
1,4-Dioxane
Concen: 4.820 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 88 Resp: 8001
Ion Ratio Lower Upper
88 100
58 70.1 53.8 80.6
43 37.4 25.2 37.8





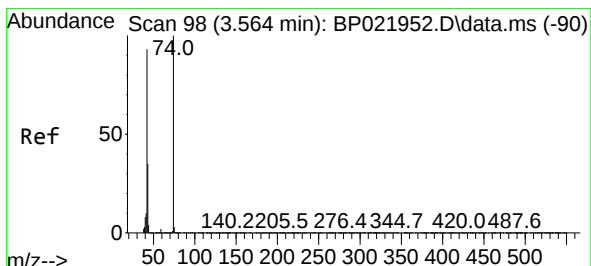
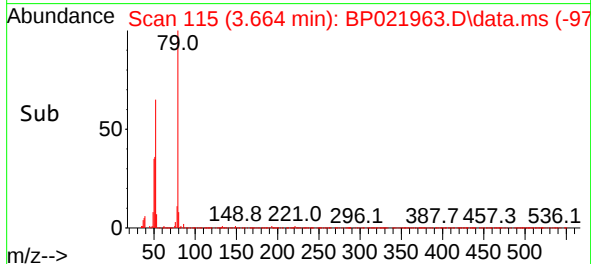
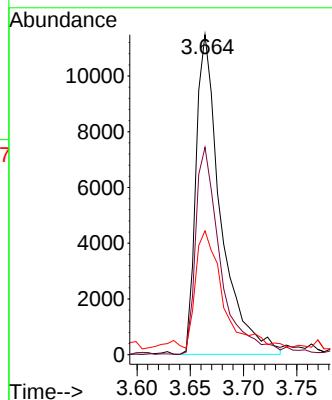
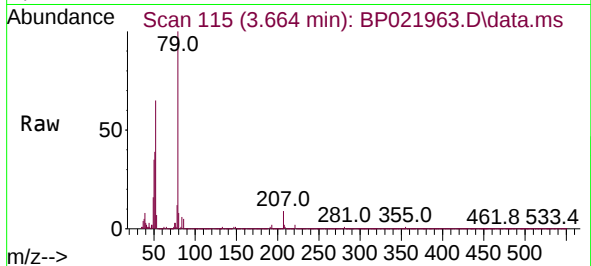
#3
Pyridine
Concen: 4.203 ng
RT: 3.664 min Scan# 114
Delta R.T. 0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion	Ratio	Lower	Upper
79	100		
52	64.8	50.3	75.5
51	38.7	30.9	46.3

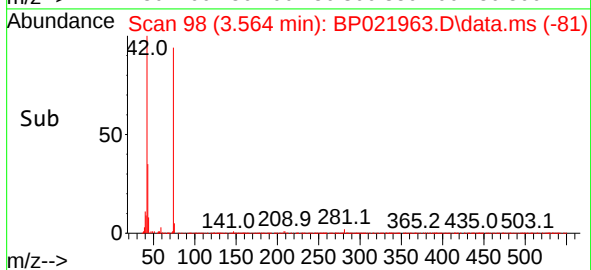
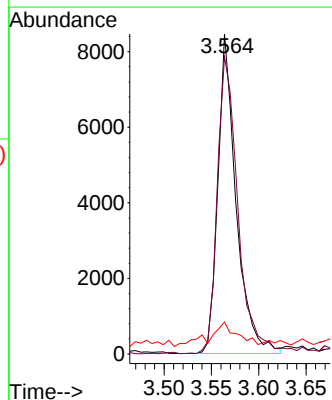
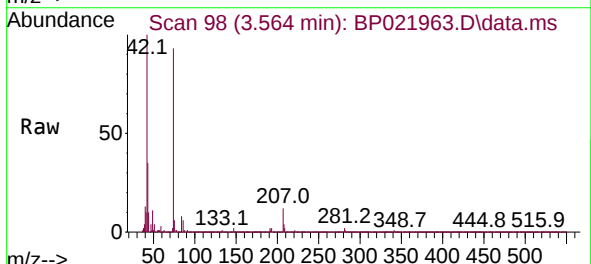
Manual Integrations
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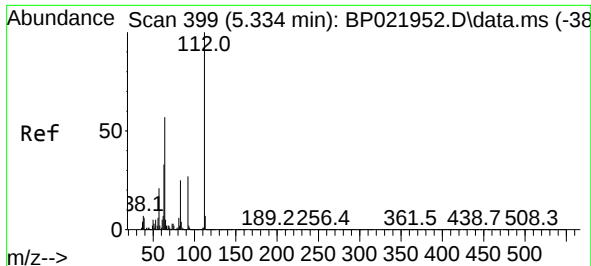
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#4
n-Nitrosodimethylamine
Concen: 4.848 ng
RT: 3.564 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion	Ratio	Lower	Upper
42	100		
74	93.0	86.3	129.5
44	10.0	4.0	6.0





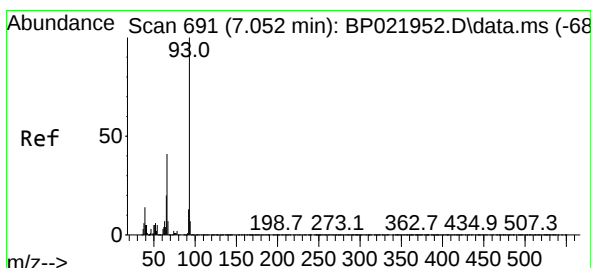
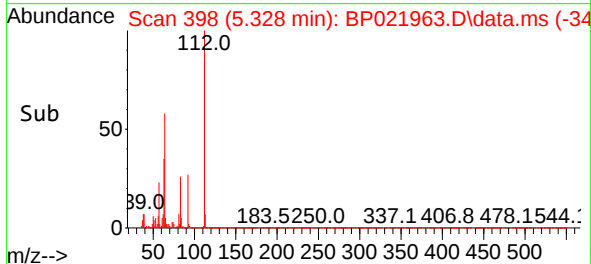
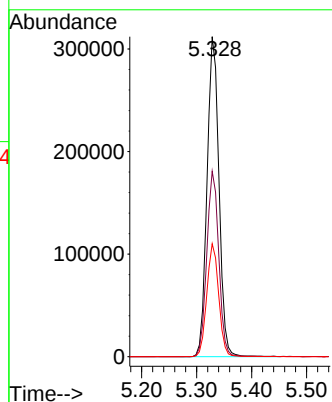
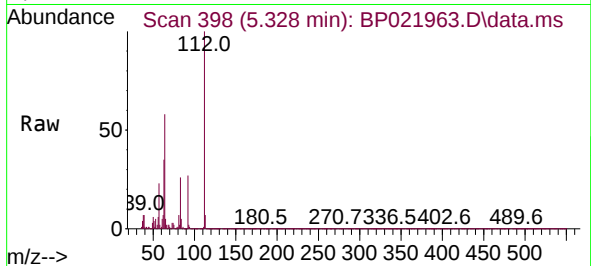
#5
2-Fluorophenol
Concen: 117.277 ng
RT: 5.328 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:112 Resp: 468864
Ion Ratio Lower Upper
112 100
64 58.0 45.4 68.0
63 35.3 26.6 39.8

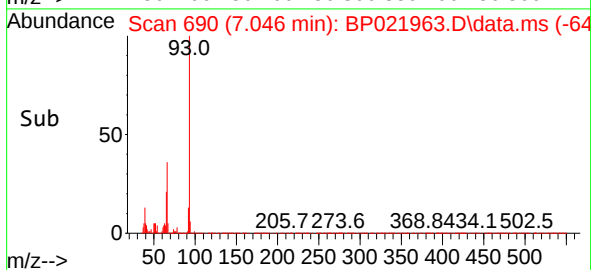
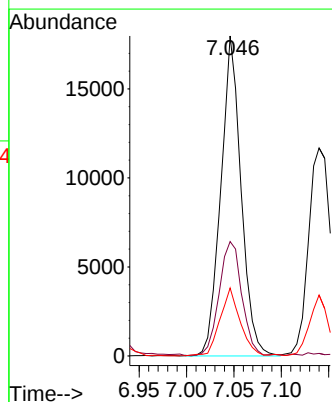
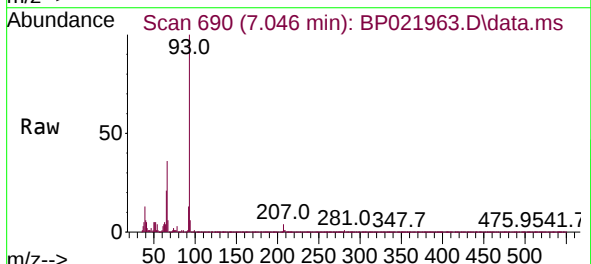
Manual Integrations
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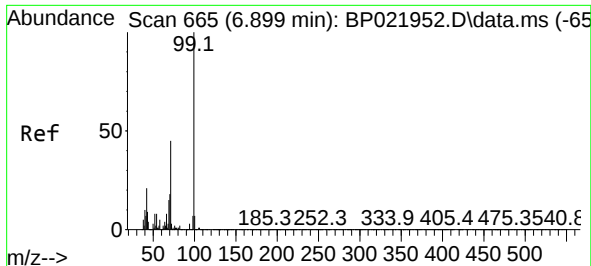
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#6
Aniline
Concen: 5.875 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

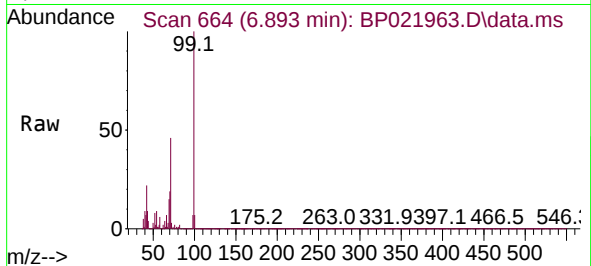
Tgt Ion: 93 Resp: 26796
Ion Ratio Lower Upper
93 100
66 35.8 33.0 49.4
65 21.3 16.1 24.1





#7
Phenol-d6
Concen: 116.219 ng
RT: 6.893 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

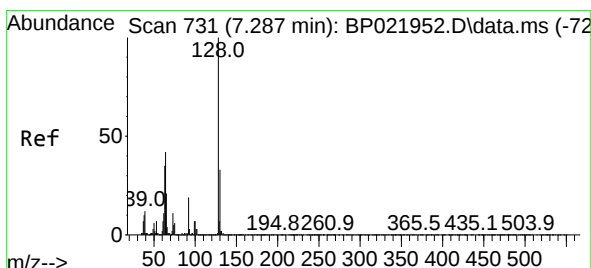
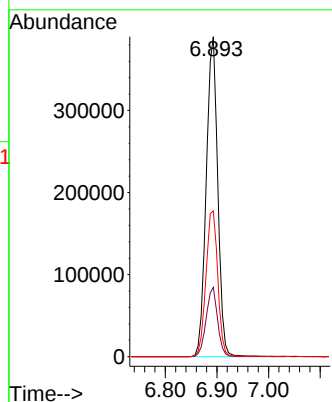
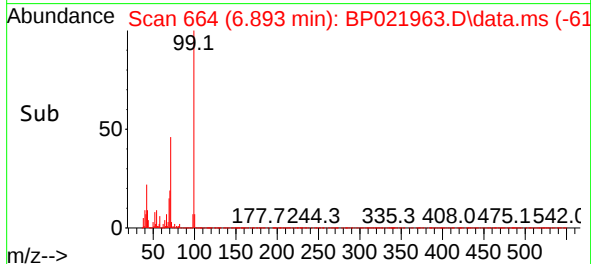
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 99 Resp: 60318
Ion Ratio Lower Upper
99 100
42 21.7 16.8 25.2
71 45.5 35.8 53.6

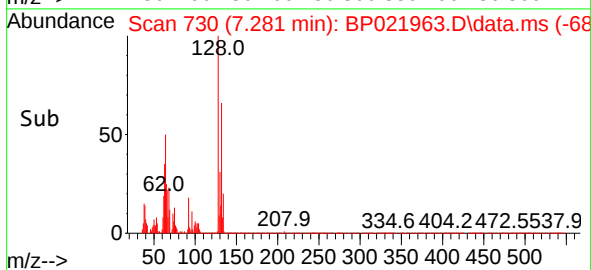
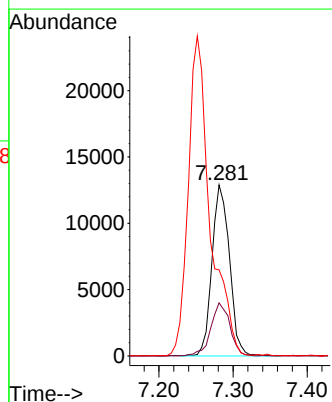
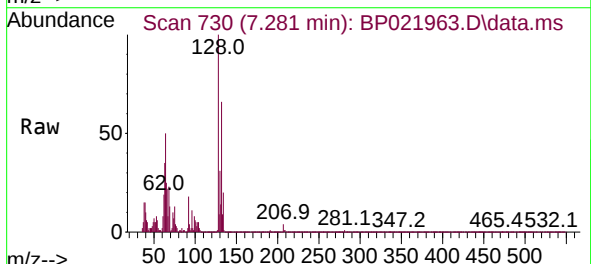
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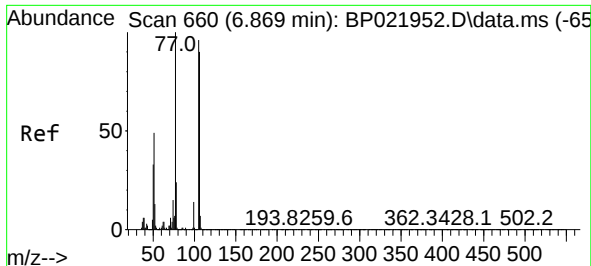
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#8
2-Chlorophenol
Concen: 4.936 ng
RT: 7.281 min Scan# 730
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:128 Resp: 21101
Ion Ratio Lower Upper
128 100
130 31.1 13.1 53.1
64 50.3 22.1 62.1





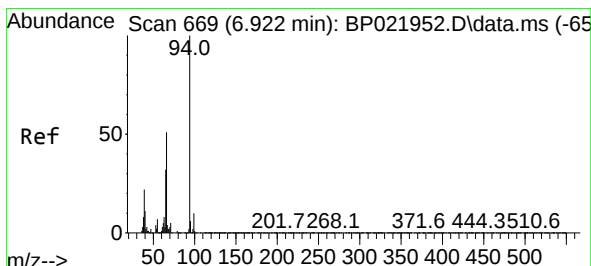
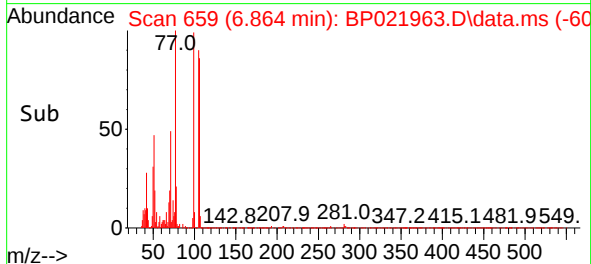
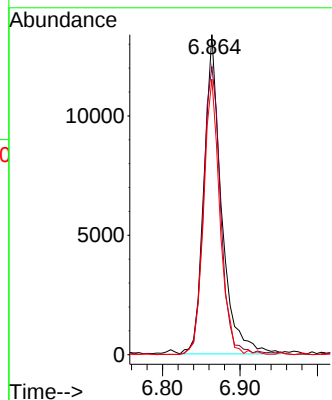
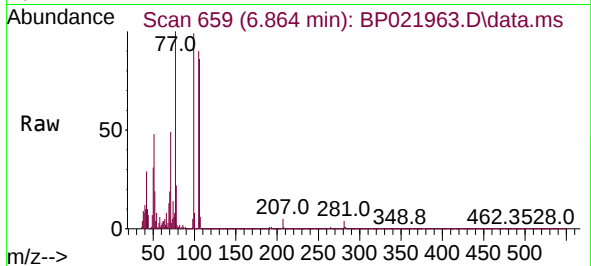
#9
Benzaldehyde
Concen: 7.750 ng
RT: 6.864 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 2103
Ion Ratio Lower Upper
77 100
105 90.0 76.1 116.1
106 86.1 69.9 109.9

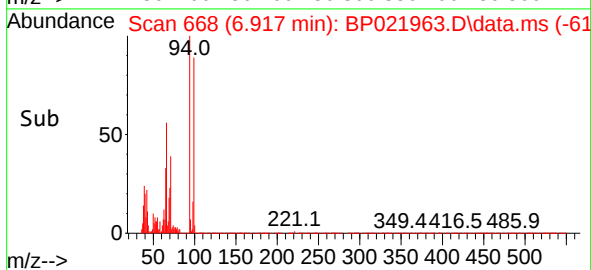
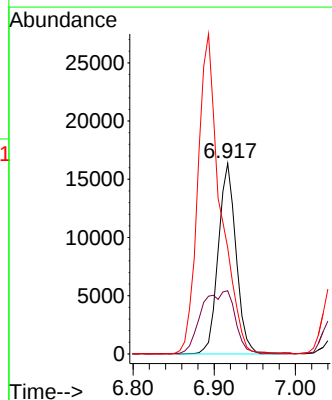
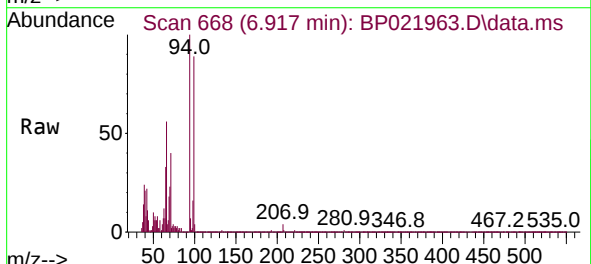
Manual Integrations
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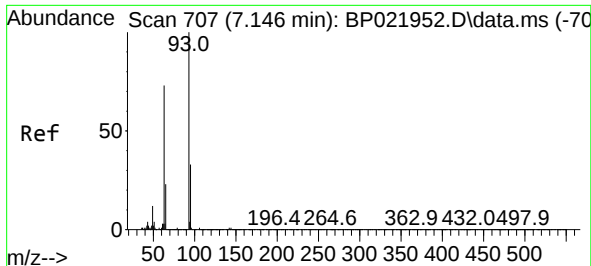
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#10
Phenol
Concen: 4.852 ng
RT: 6.917 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 94 Resp: 25009
Ion Ratio Lower Upper
94 100
65 33.1 12.5 52.5
66 55.7 31.2 71.2





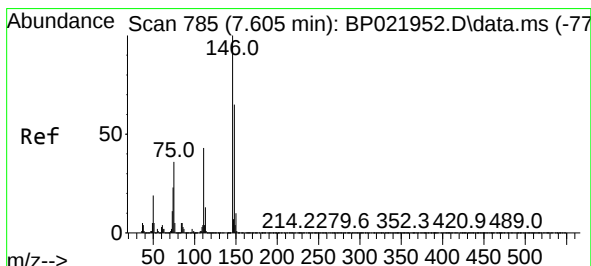
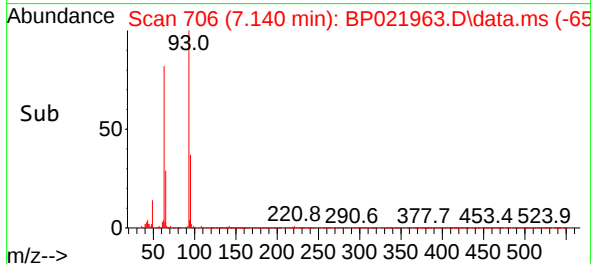
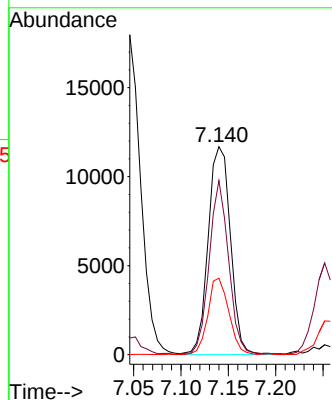
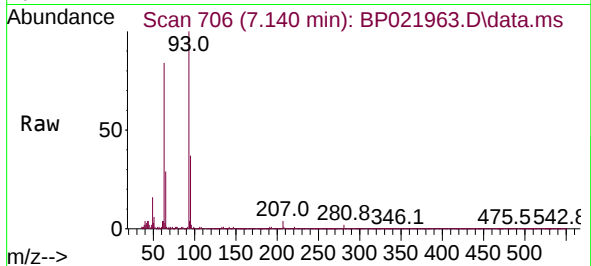
#11
bis(2-Chloroethyl)ether
Concen: 4.904 ng
RT: 7.140 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 93 Resp: 1904
Ion Ratio Lower Upper
93 100
63 83.7 53.0 93.0
95 36.8 12.4 52.4

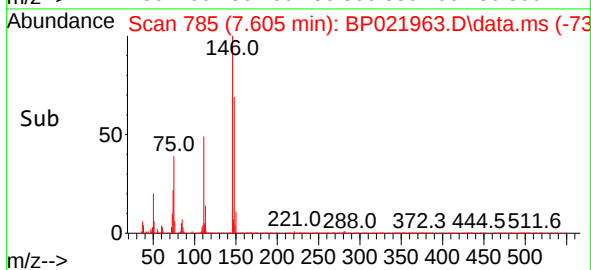
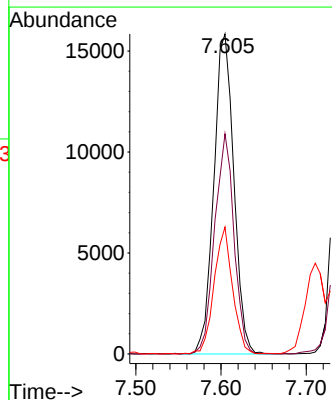
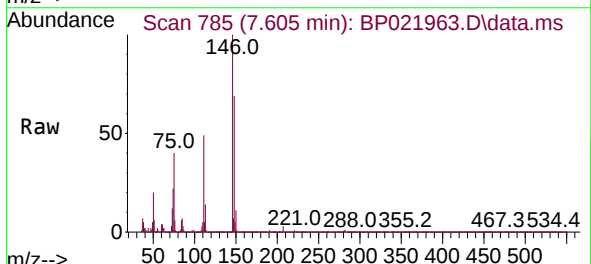
Manual Integrations
APPROVED

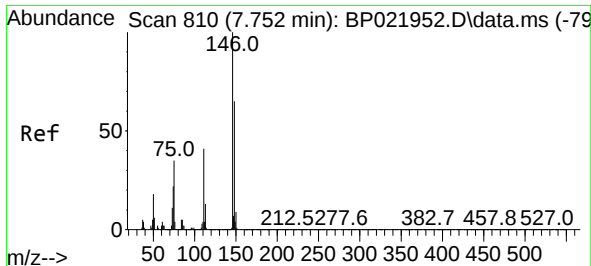
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#12
1,3-Dichlorobenzene
Concen: 4.799 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:146 Resp: 25901
Ion Ratio Lower Upper
146 100
148 68.8 52.3 78.5
75 39.7 29.0 43.6





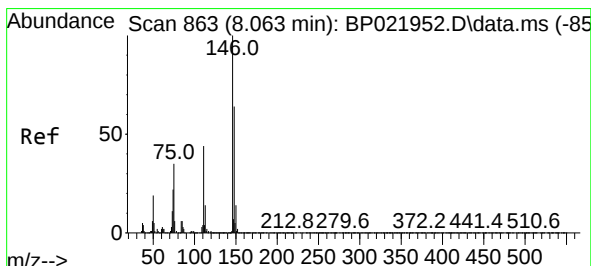
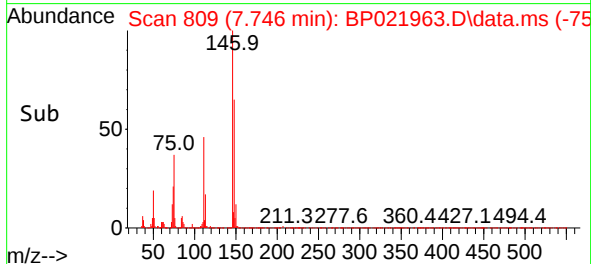
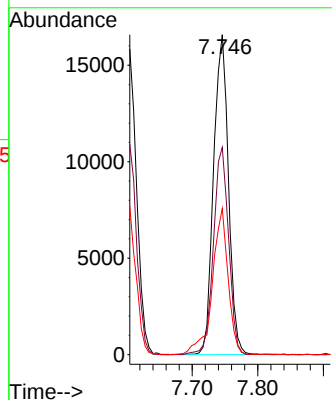
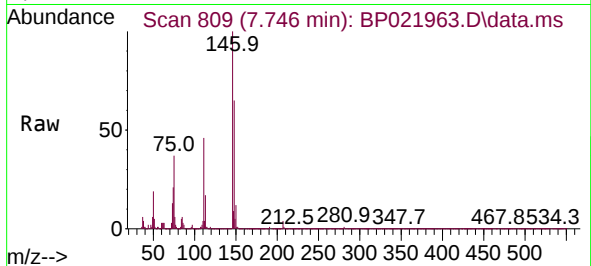
#13
1,4-Dichlorobenzene
Concen: 4.757 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:146 Resp: 2603
Ion Ratio Lower Upper
146 100
148 64.8 52.2 78.4
111 45.7 32.6 48.8

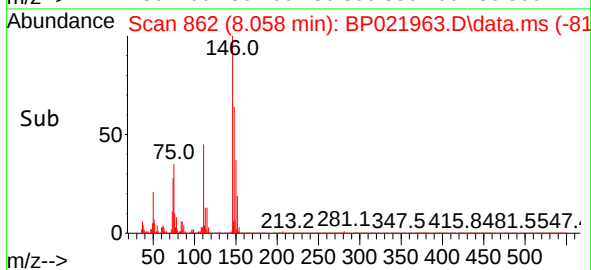
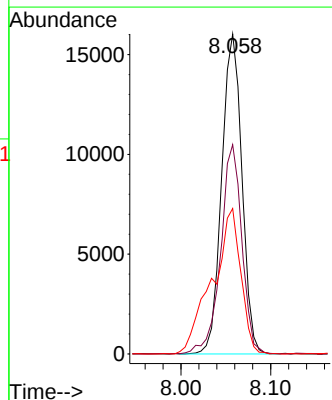
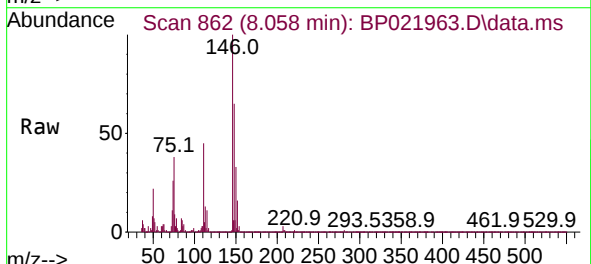
Manual Integrations
APPROVED

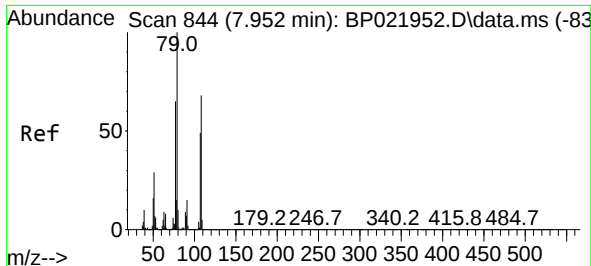
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#14
1,2-Dichlorobenzene
Concen: 4.767 ng
RT: 8.058 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:146 Resp: 25043
Ion Ratio Lower Upper
146 100
148 65.4 51.3 76.9
111 45.5 35.6 53.4





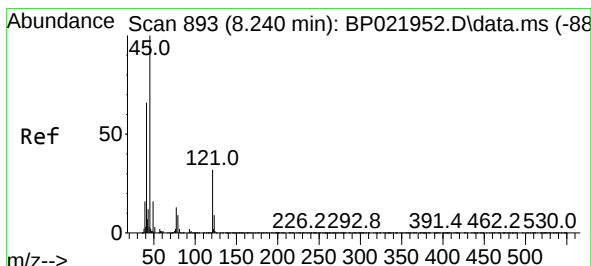
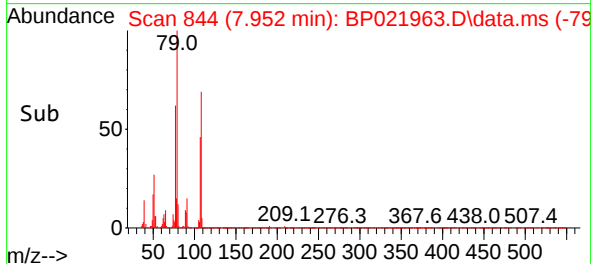
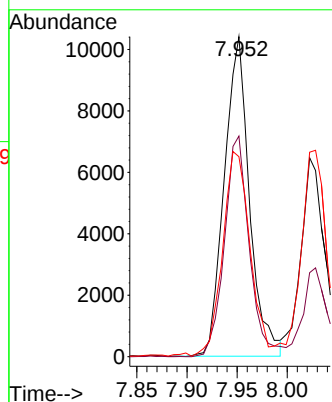
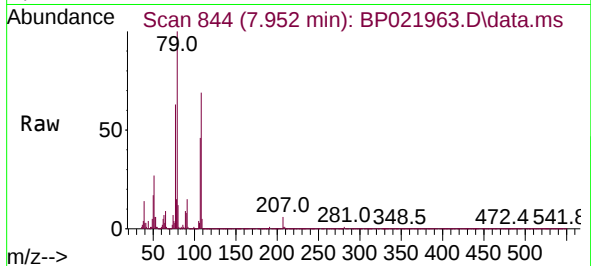
#15
Benzyl Alcohol
Concen: 4.570 ng
RT: 7.952 min Scan# 844
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 79 Resp: 1819
Ion Ratio Lower Upper
79 100
108 68.9 54.7 82.1
77 62.5 51.8 77.8

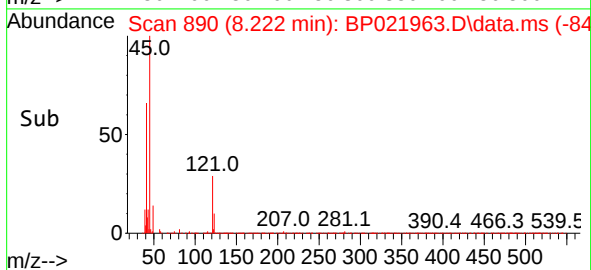
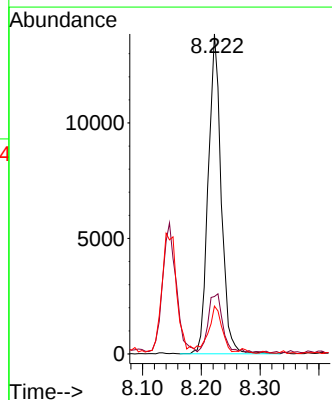
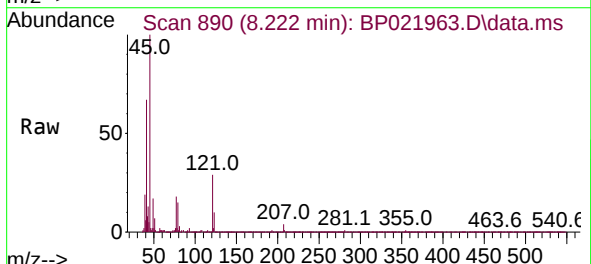
Manual Integrations
APPROVED

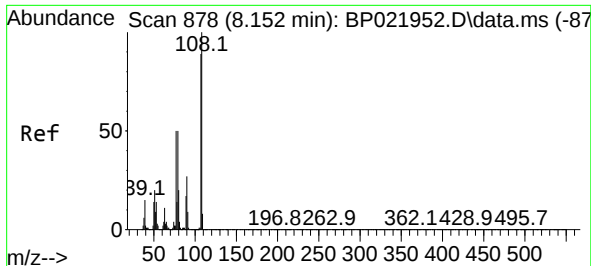
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.135 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 45 Resp: 21268
Ion Ratio Lower Upper
45 100
77 17.9 0.0 39.5
79 14.9 0.0 34.9





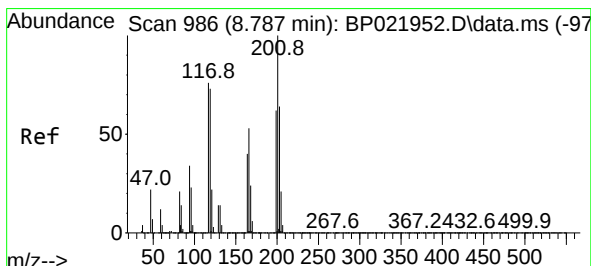
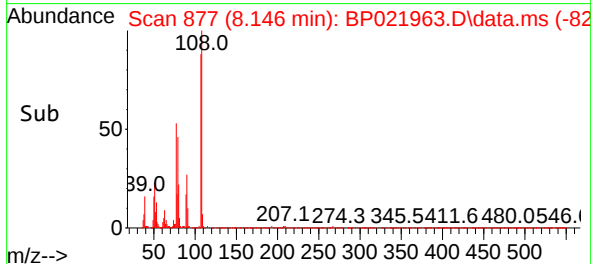
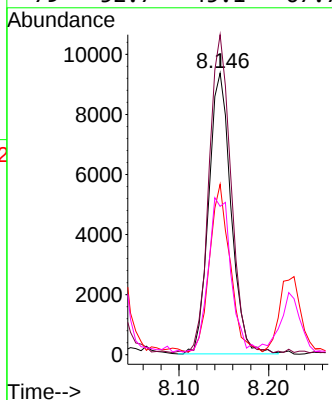
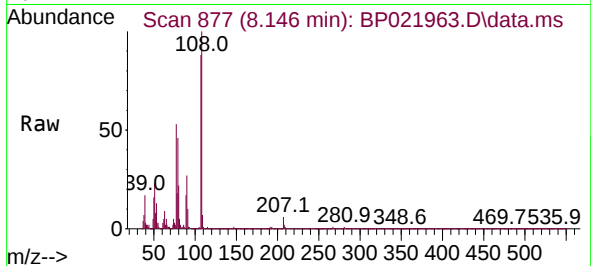
#17
2-Methylphenol
Concen: 4.632 ng
RT: 8.146 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:	107	Resp:	16130
Ion Ratio	Lower	Upper	
107	100		
108	113.6	90.3	135.5
77	60.5	45.1	67.7
79	52.7	45.1	67.7

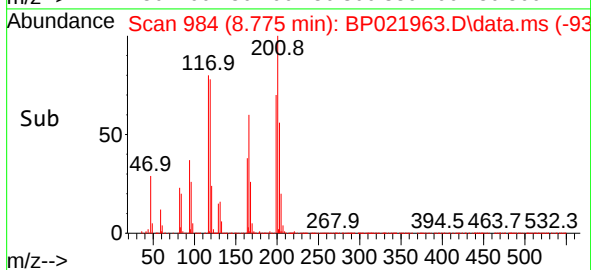
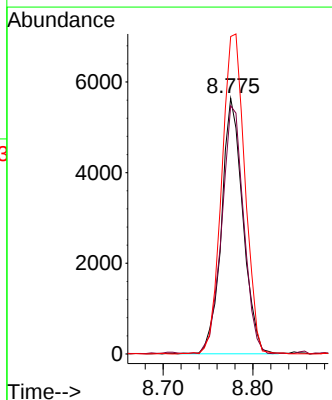
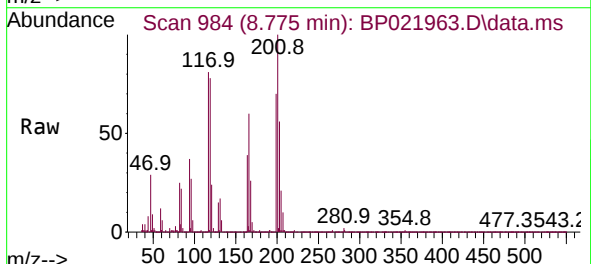
Manual Integrations
APPROVED

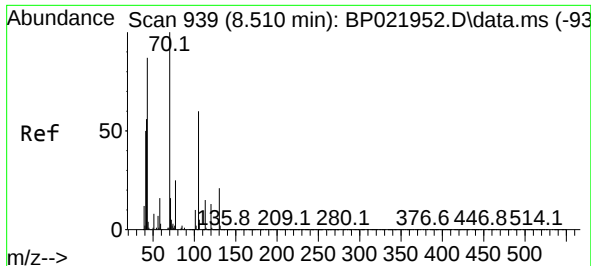
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#18
Hexachloroethane
Concen: 4.644 ng
RT: 8.775 min Scan# 984
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

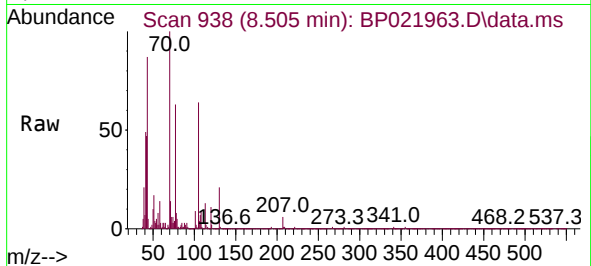
Tgt Ion:	117	Resp:	9346
Ion Ratio	Lower	Upper	
117	100		
119	97.0	77.0	115.4
201	126.6	105.6	158.4





#19
n-Nitroso-di-n-propylamine
Concen: 4.933 ng
RT: 8.505 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

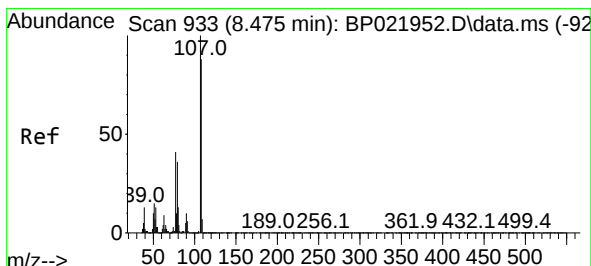
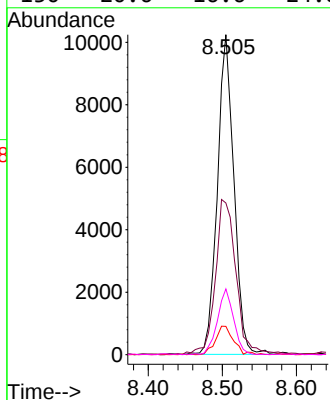
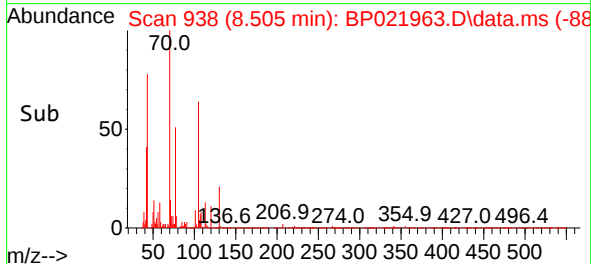
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 70 Resp: 1591
Ion Ratio Lower Upper
70 100
42 47.4 45.2 67.8
101 8.8 7.8 11.6
130 20.6 16.6 24.8

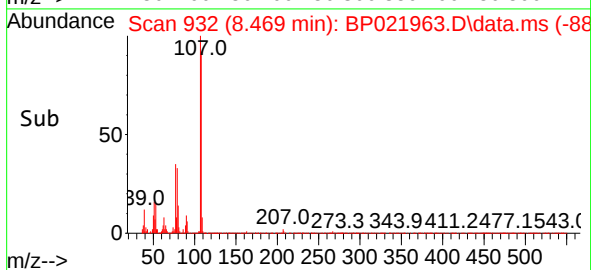
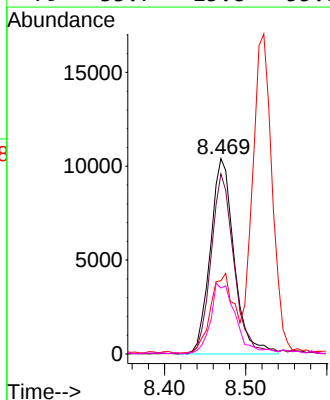
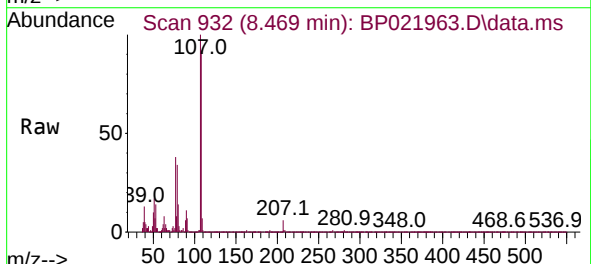
Manual Integrations
APPROVED

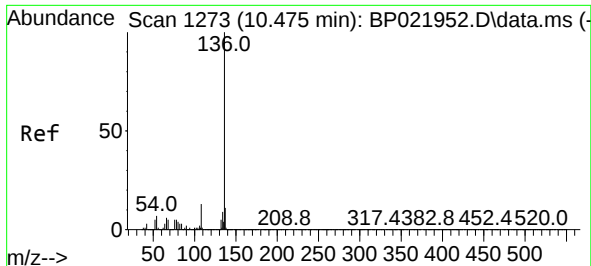
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#20
3+4-Methylphenols
Concen: 4.316 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

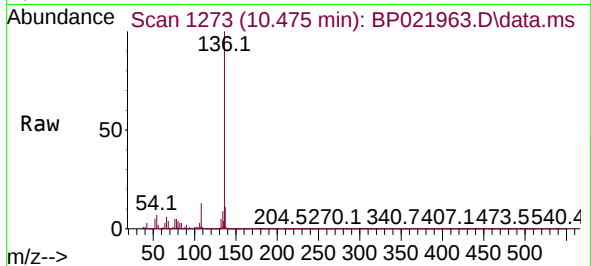
Tgt Ion:107 Resp: 21218
Ion Ratio Lower Upper
107 100
108 92.1 68.3 108.3
77 37.5 20.6 60.6
79 33.7 15.8 55.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

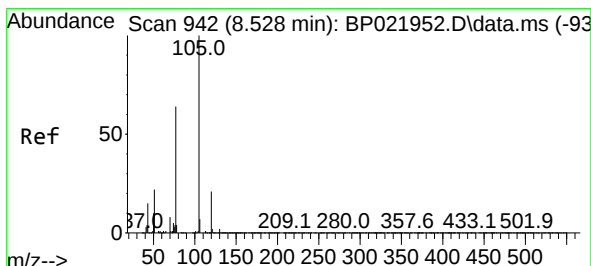
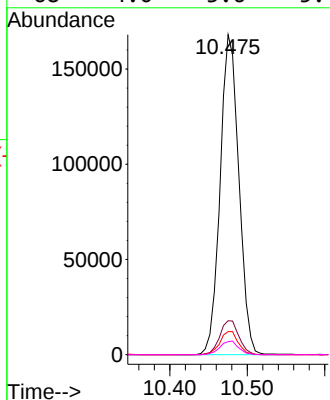
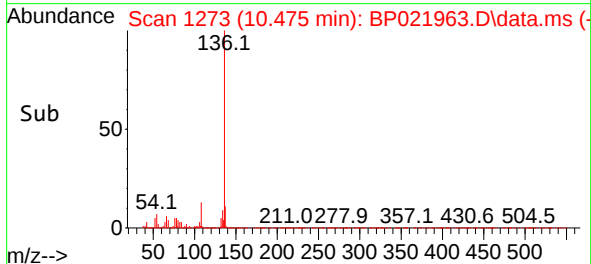
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:136 Resp: 282360
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.2 5.5 8.3
68 4.0 3.6 5.4

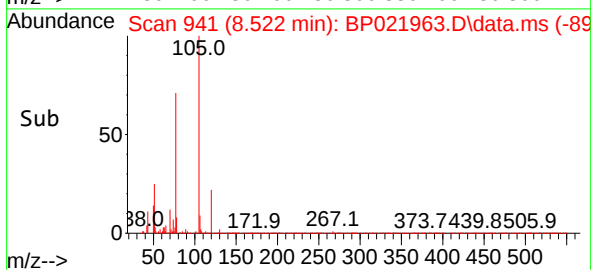
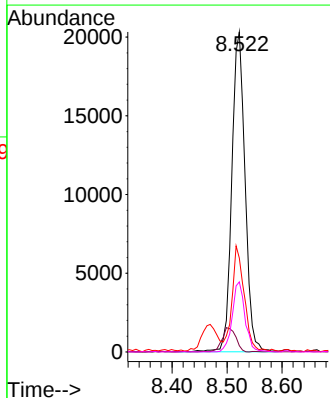
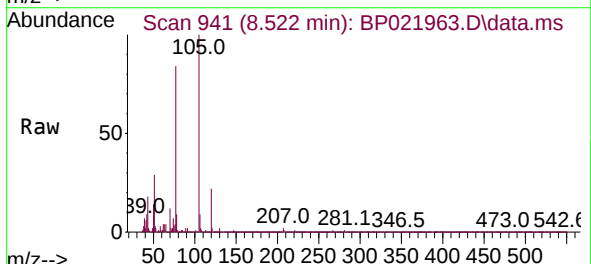
Manual Integrations
APPROVED

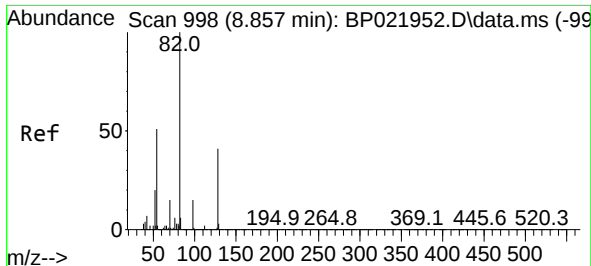
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#22
Acetophenone
Concen: 4.936 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

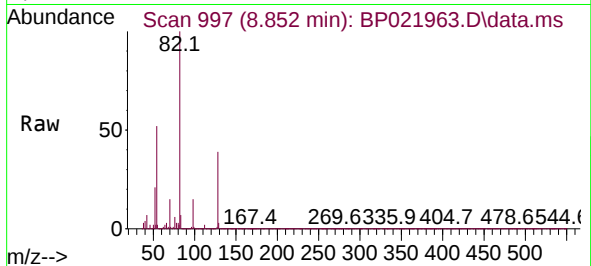
Tgt Ion:105 Resp: 34001
Ion Ratio Lower Upper
105 100
71 1.9 1.4 2.0
51 29.3 22.1 33.1
120 21.9 16.8 25.2





#23
Nitrobenzene-d5
Concen: 85.480 ng
RT: 8.852 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

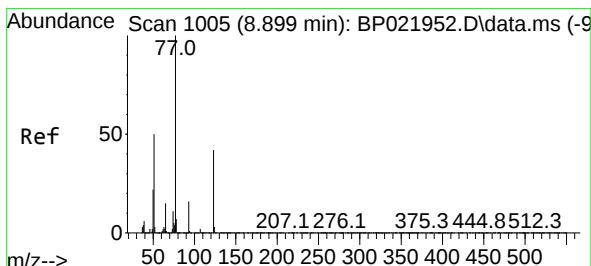
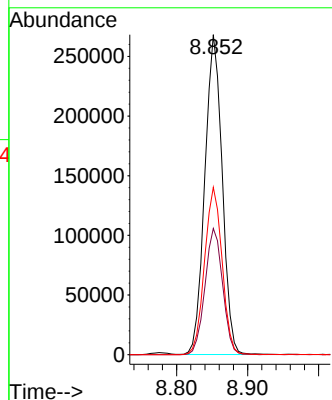
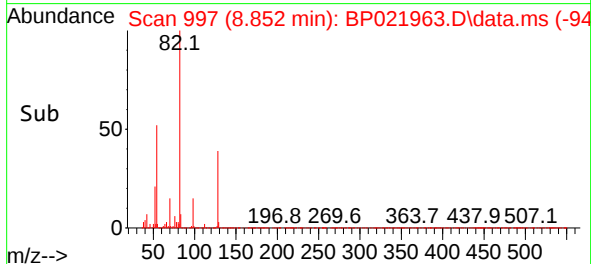
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 82 Resp: 45614
Ion Ratio Lower Upper
82 100
128 39.5 33.1 49.7
54 52.3 40.3 60.5

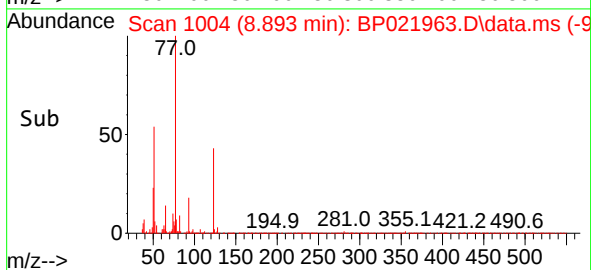
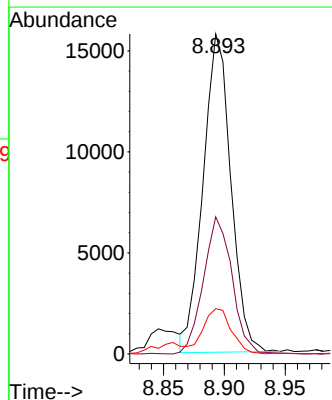
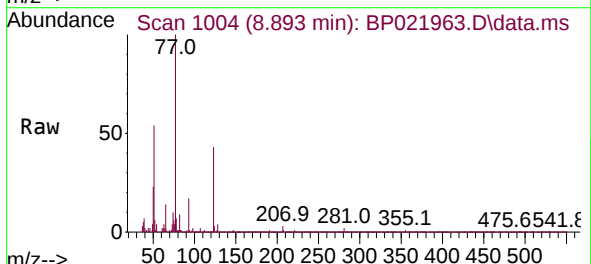
Manual Integrations
APPROVED

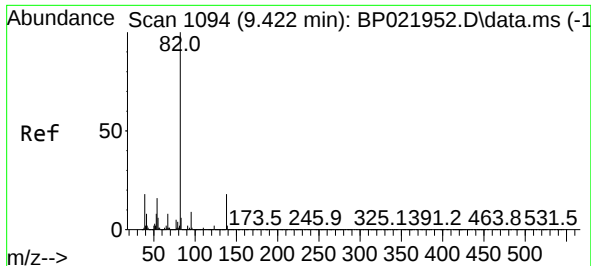
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#24
Nitrobenzene
Concen: 4.611 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 77 Resp: 24987
Ion Ratio Lower Upper
77 100
123 42.9 33.9 50.9
65 14.2 12.0 18.0





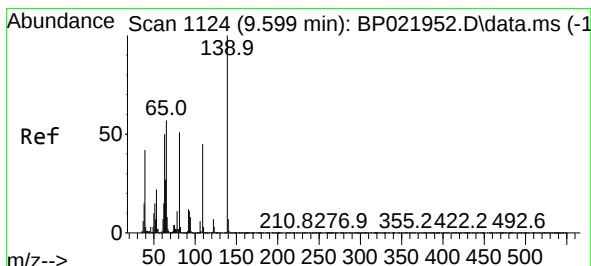
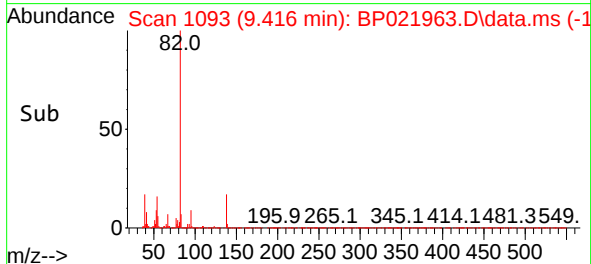
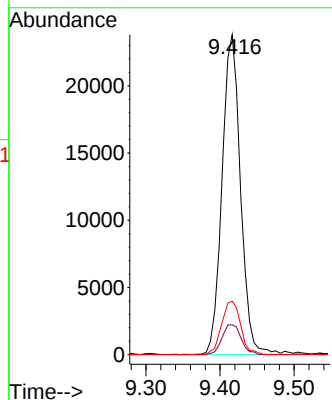
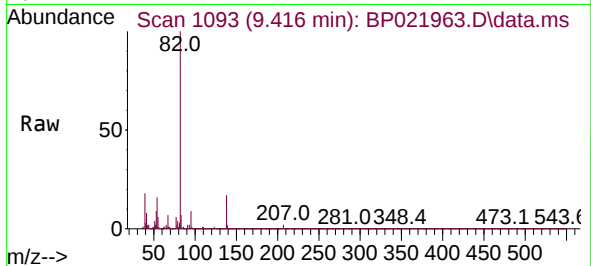
#25
Isophorone
Concen: 4.686 ng
RT: 9.416 min Scan# 1093
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 82 Resp: 4122
Ion Ratio Lower Upper
82 100
95 9.3 7.0 10.6
138 16.8 14.6 21.8

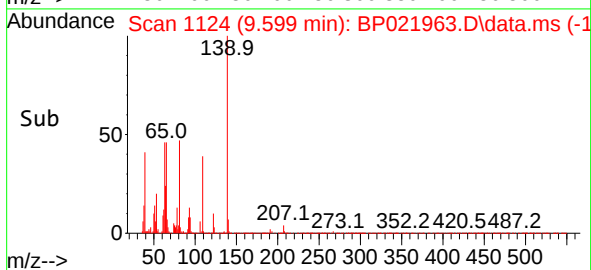
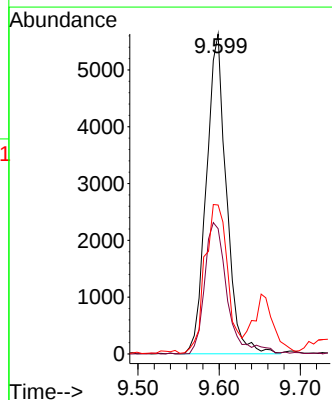
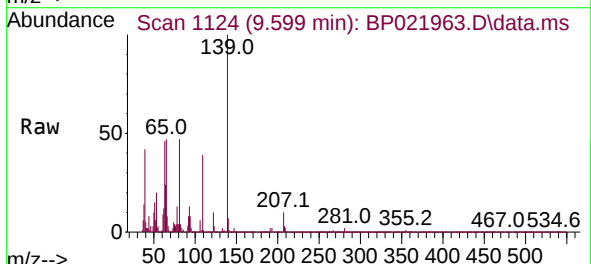
Manual Integrations
APPROVED

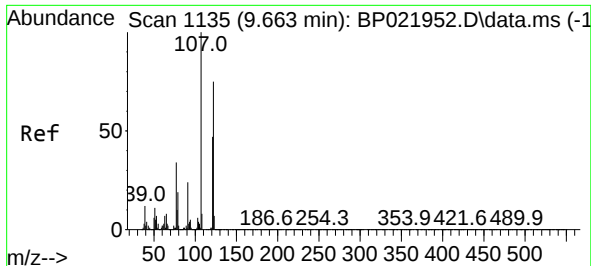
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#26
2-Nitrophenol
Concen: 4.068 ng
RT: 9.599 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:139 Resp: 9640
Ion Ratio Lower Upper
139 100
109 39.2 36.0 54.0
65 46.5 45.7 68.5





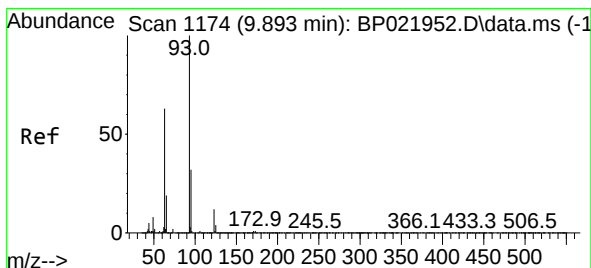
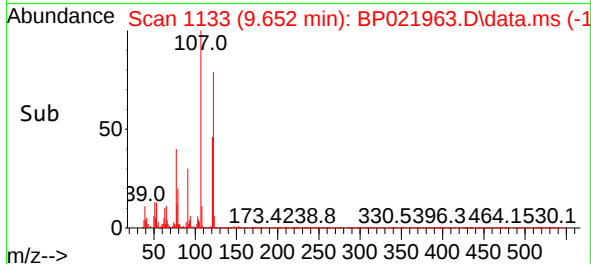
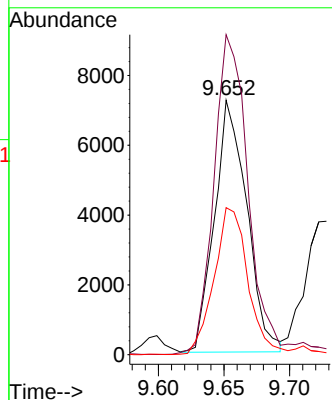
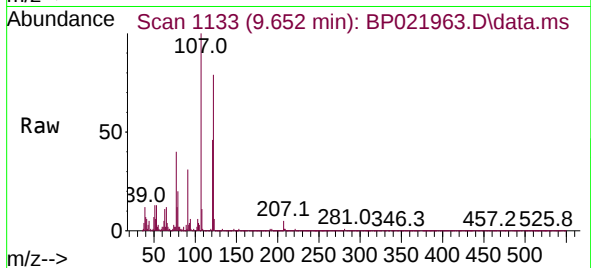
#27
2,4-Dimethylphenol
Concen: 4.521 ng
RT: 9.652 min Scan# 1133
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 122 Resp: 12404
Ion Ratio Lower Upper
122 100
107 125.8 106.1 159.1
121 57.8 49.6 74.4

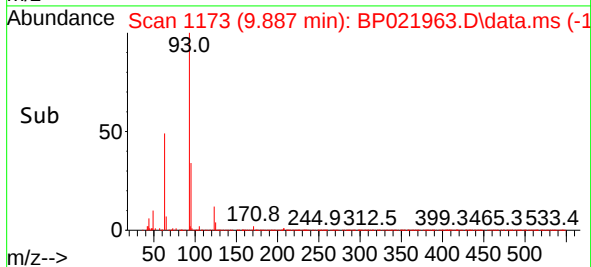
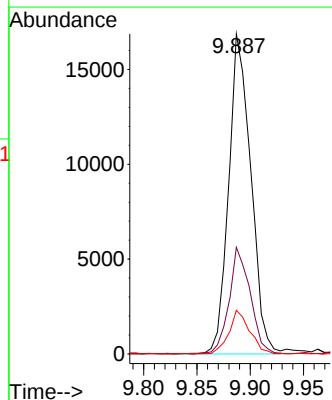
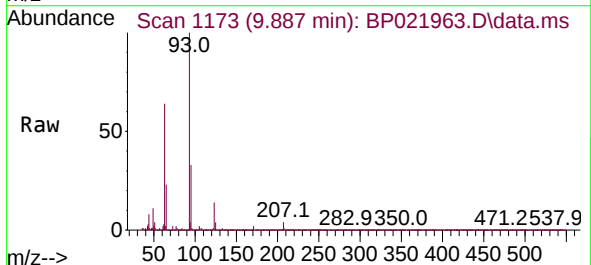
Manual Integrations
APPROVED

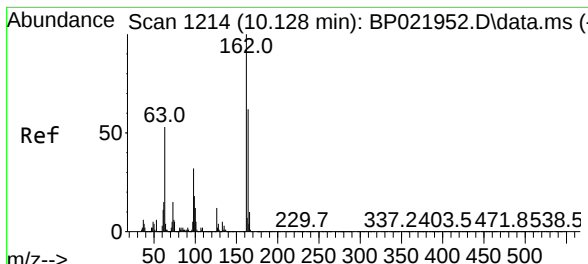
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#28
bis(2-Chloroethoxy)methane
Concen: 4.638 ng
RT: 9.887 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 93 Resp: 24467
Ion Ratio Lower Upper
93 100
95 33.4 25.7 38.5
123 13.7 9.4 14.0



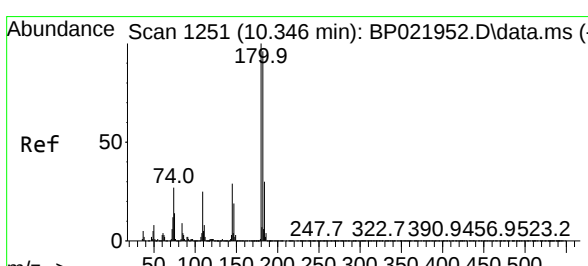
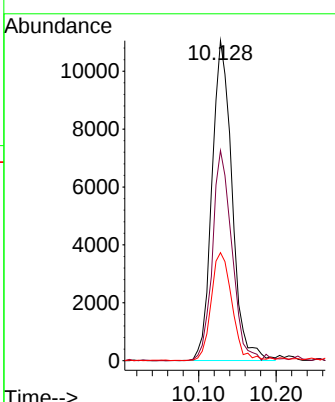
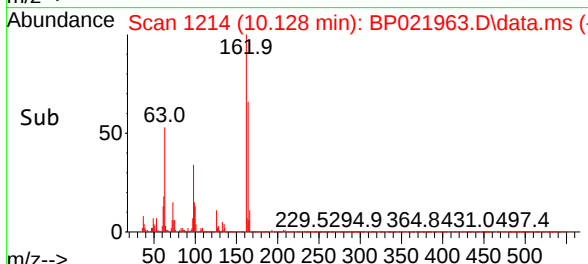
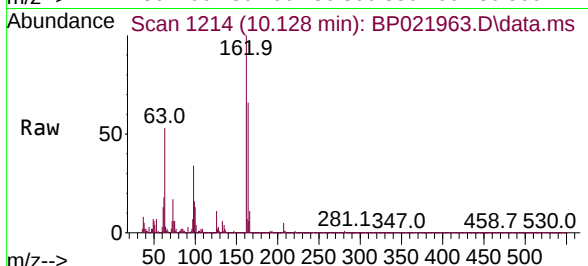


#29
 2,4-Dichlorophenol
 Concen: 4.285 ng
 RT: 10.128 min Scan# 1195
 Delta R.T. 0.000 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT2-2024

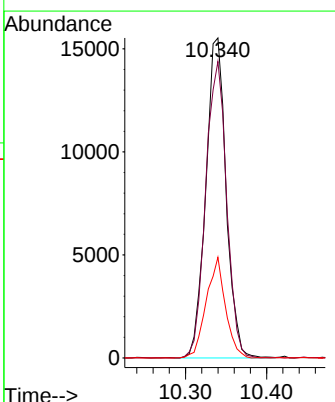
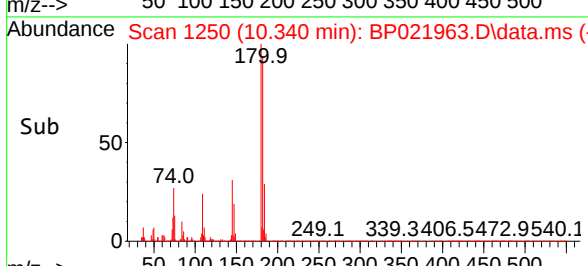
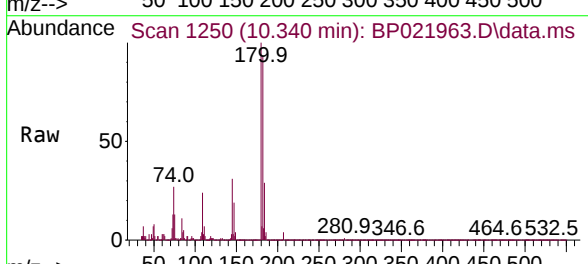
Tgt Ion:	162	Resp:	1995
Ion Ratio	Lower	Upper	
162	100		
164	65.7	41.7	81.7
98	33.7	12.4	52.4

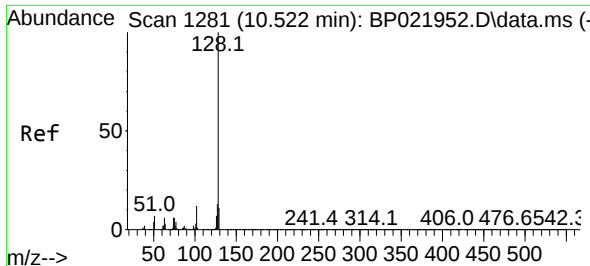
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024



#30
 1,2,4-Trichlorobenzene
 Concen: 4.667 ng
 RT: 10.340 min Scan# 1250
 Delta R.T. -0.006 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

Tgt Ion:	180	Resp:	27073
Ion Ratio	Lower	Upper	
180	100		
182	92.7	77.0	115.4
145	31.4	23.0	34.6





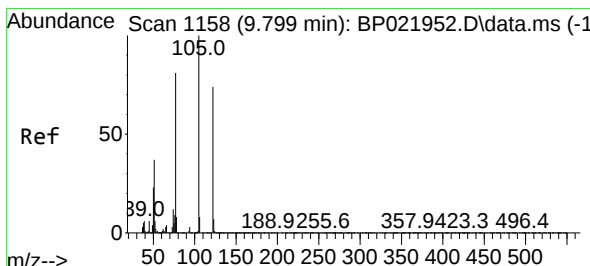
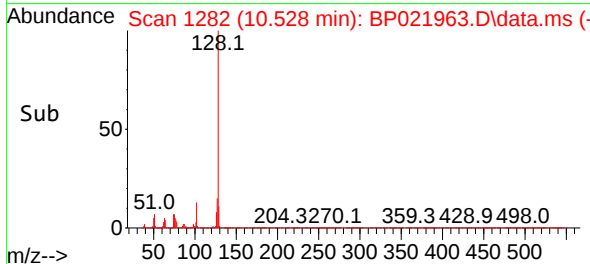
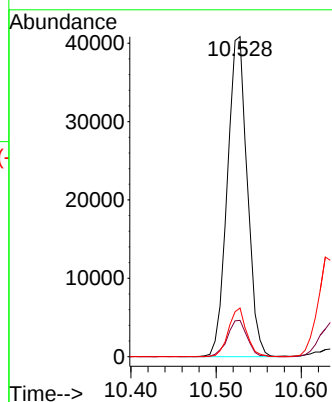
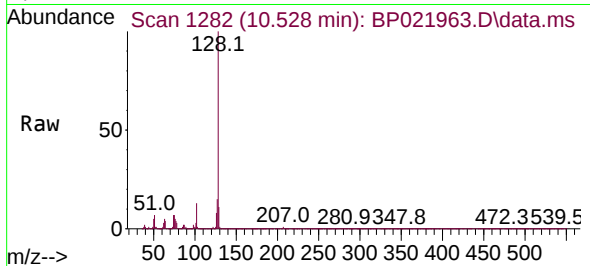
#31
Naphthalene
Concen: 4.711 ng
RT: 10.528 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:128 Resp: 66378
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 15.2 10.6 15.8

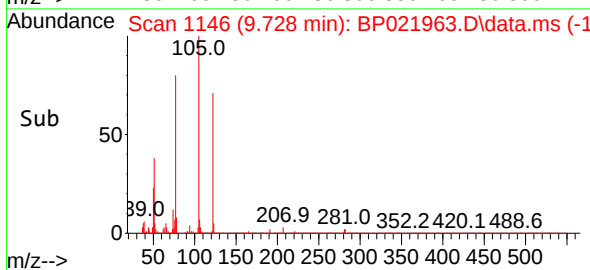
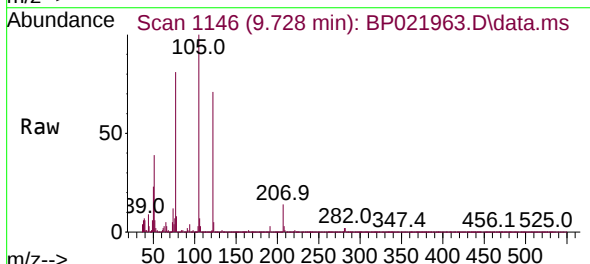
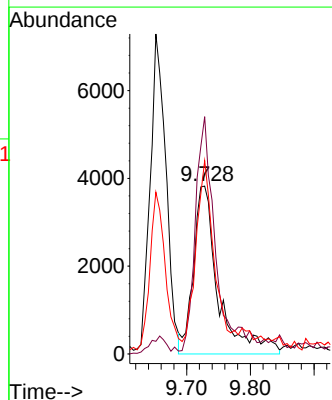
Manual Integrations
APPROVED

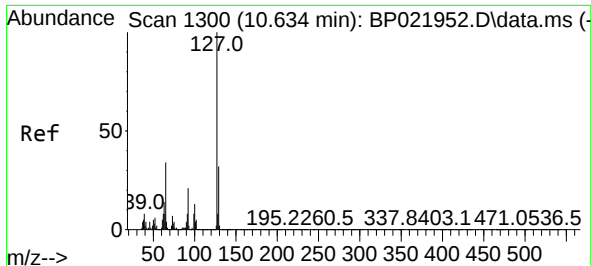
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#32
Benzoic acid
Concen: 3.240 ng m
RT: 9.728 min Scan# 1146
Delta R.T. -0.070 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:122 Resp: 10392
Ion Ratio Lower Upper
122 100
105 141.3 111.3 151.3
77 115.1 86.7 126.7





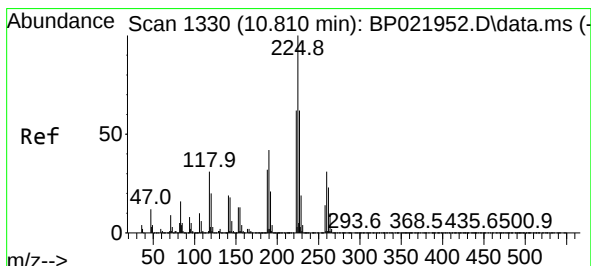
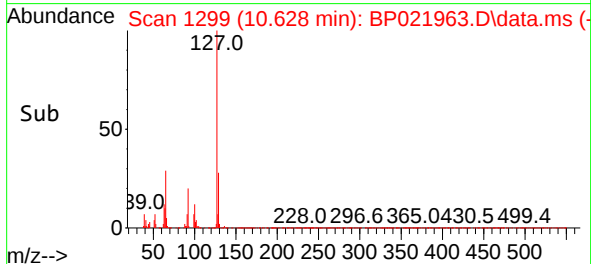
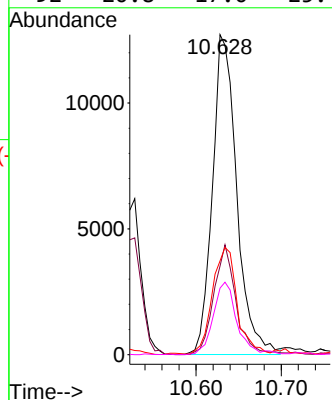
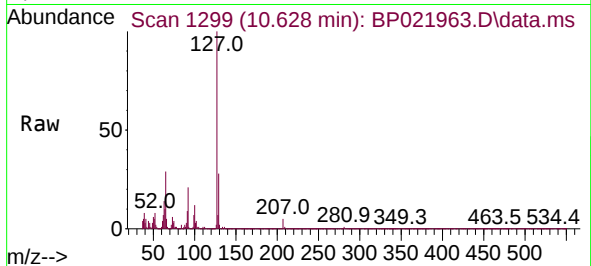
#33
4-Chloroaniline
Concen: 4.958 ng
RT: 10.628 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion	Ratio	Lower	Upper
127	100		
129	27.7	25.4	38.0
65	29.3	27.4	41.2
92	20.8	17.0	25.4

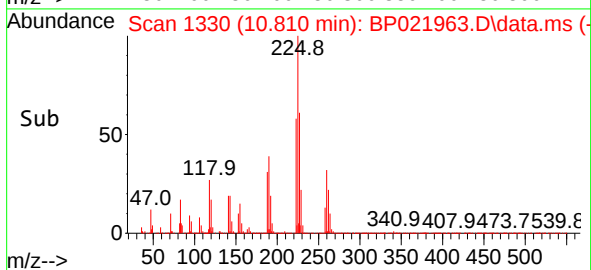
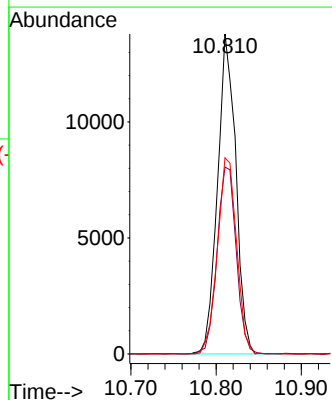
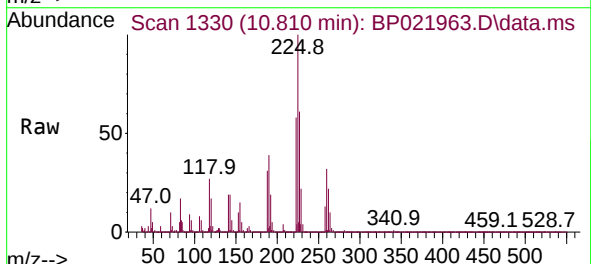
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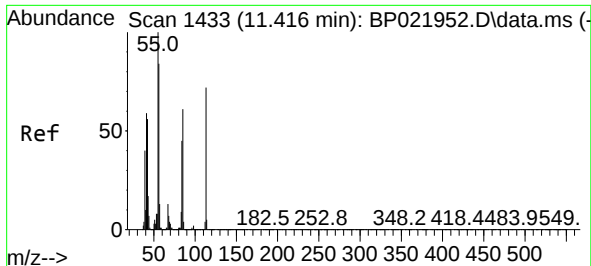
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#34
Hexachlorobutadiene
Concen: 4.532 ng
RT: 10.810 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	64.9	49.7	74.5





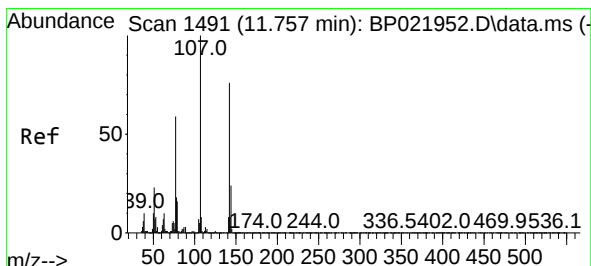
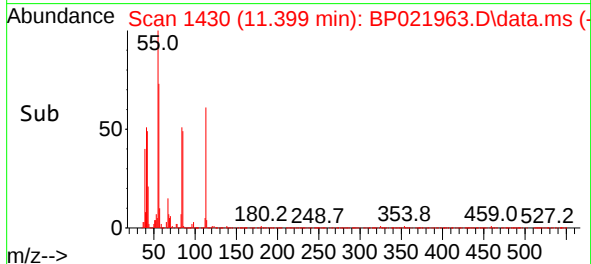
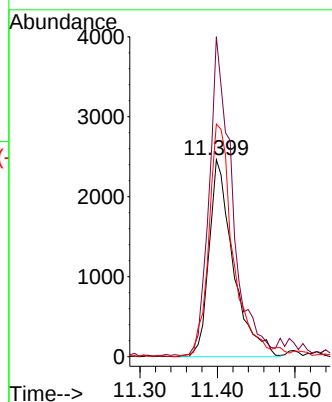
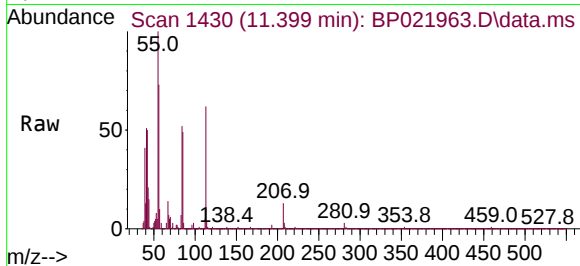
#35
Caprolactam
Concen: 3.852 ng
RT: 11.399 min Scan# 1433
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:113 Resp: 5338
Ion Ratio Lower Upper
113 100
55 162.5 119.4 159.4
56 118.2 97.1 137.1

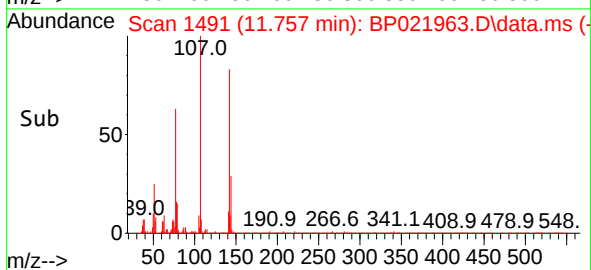
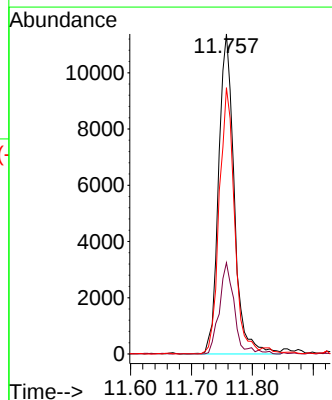
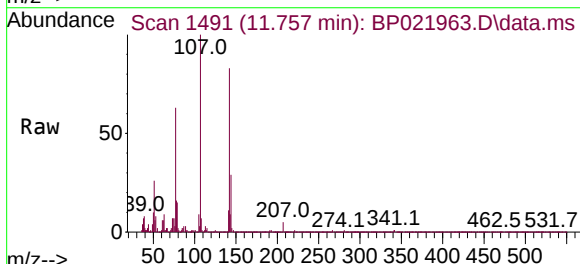
Manual Integrations
APPROVED

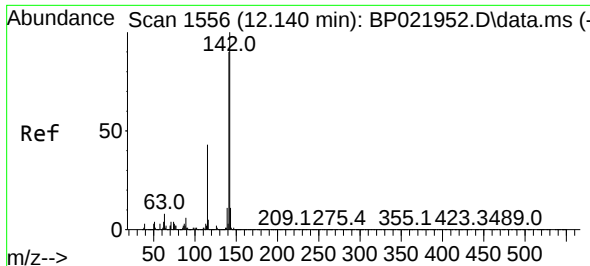
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#36
4-Chloro-3-methylphenol
Concen: 4.051 ng
RT: 11.757 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:107 Resp: 20240
Ion Ratio Lower Upper
107 100
144 28.5 19.0 28.4
142 83.2 60.4 90.6





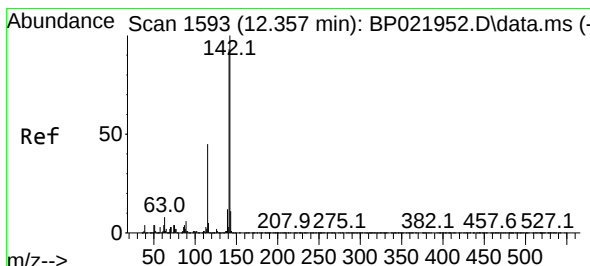
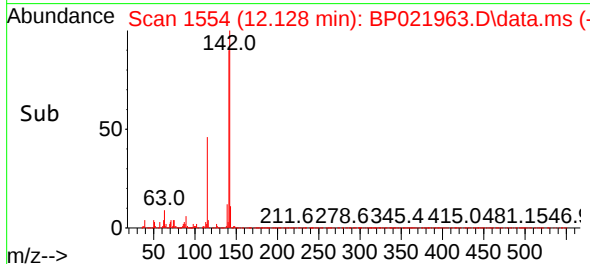
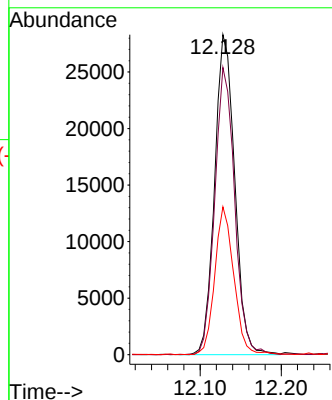
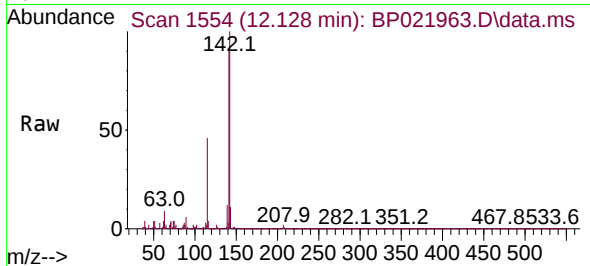
#37
2-Methylnaphthalene
Concen: 4.731 ng
RT: 12.128 min Scan# 1554
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:142 Resp: 48768
Ion Ratio Lower Upper
142 100
141 89.8 71.7 107.5
115 46.2 34.6 51.8

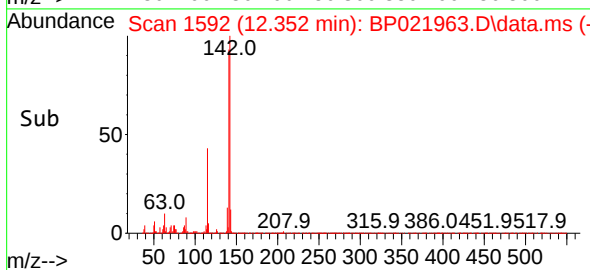
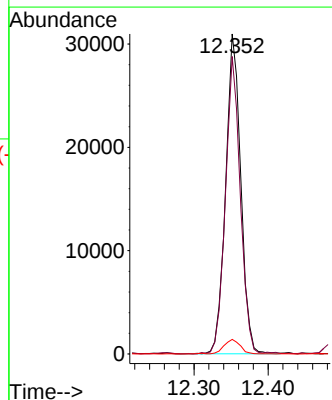
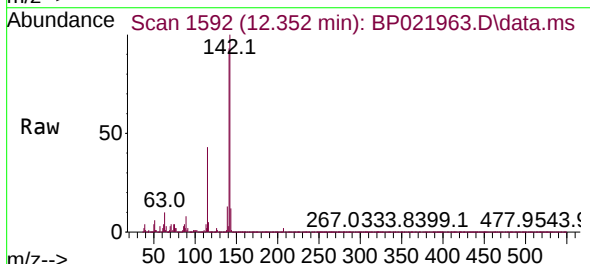
Manual Integrations
APPROVED

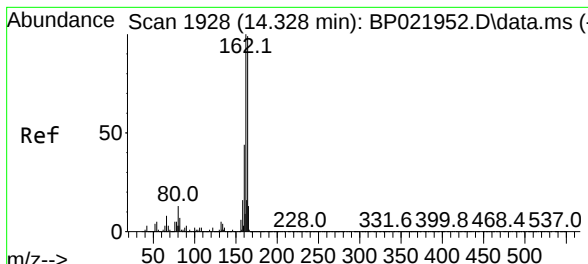
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#38
1-Methylnaphthalene
Concen: 4.309 ng
RT: 12.352 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:142 Resp: 43855
Ion Ratio Lower Upper
142 100
141 93.0 74.1 111.1
116 4.5 3.8 5.8



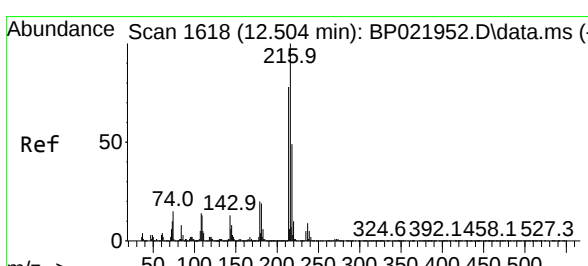
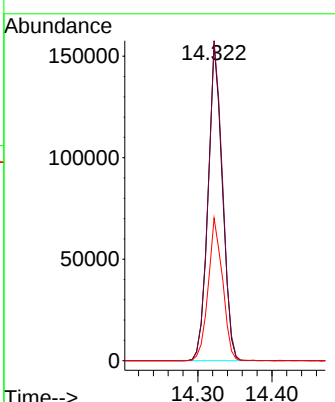
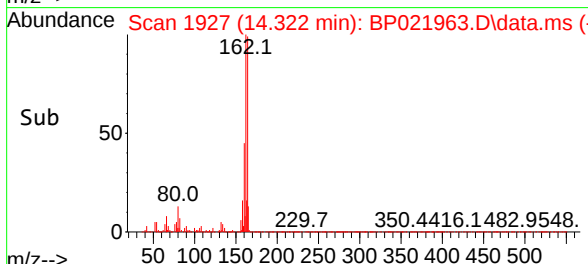
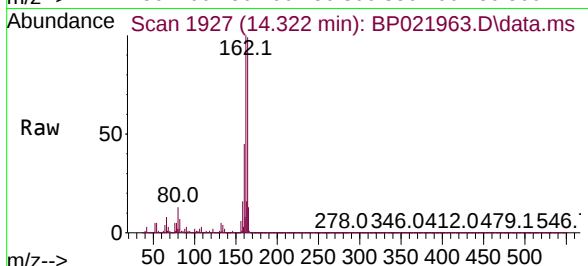


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.322 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

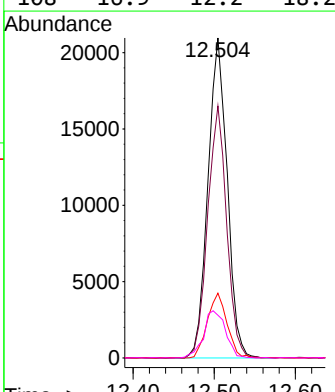
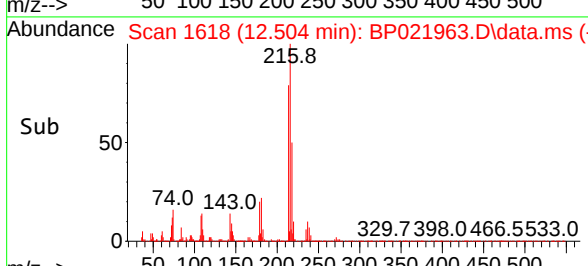
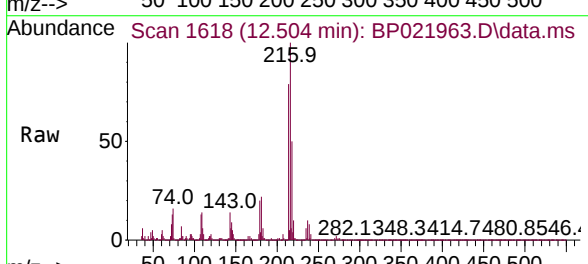
Tgt Ion:	164	Resp:	208918
Ion Ratio	Lower	Upper	
164	100		
162	101.1	81.2	121.8
160	45.0	35.9	53.9

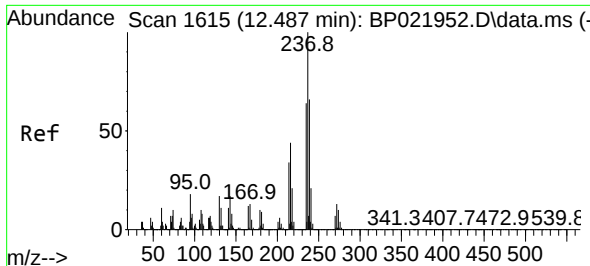
Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.719 ng
RT: 12.504 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

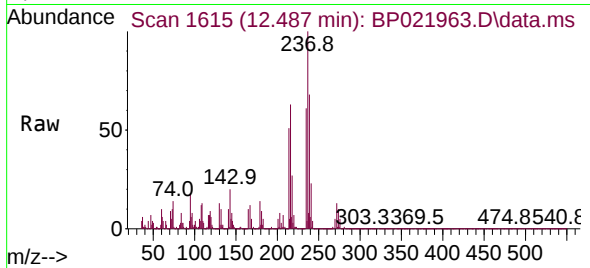
Tgt Ion:	216	Resp:	34491
Ion Ratio	Lower	Upper	
216	100		
214	78.0	62.8	94.2
179	20.6	16.4	24.6
108	16.9	12.2	18.2





#41
Hexachlorocyclopentadiene
Concen: 5.556 ng
RT: 12.487 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

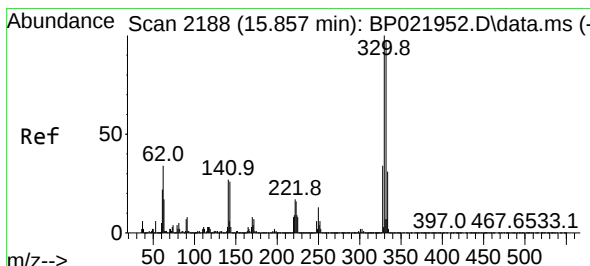
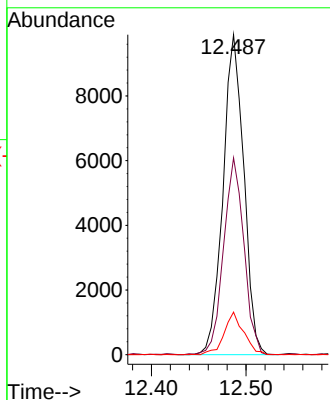
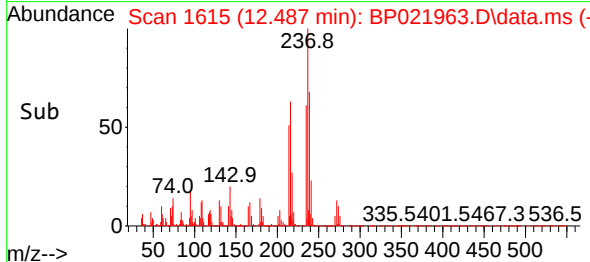
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 237 Resp: 15090
Ion Ratio Lower Upper
237 100
235 61.5 44.1 84.1
272 13.3 0.0 33.1

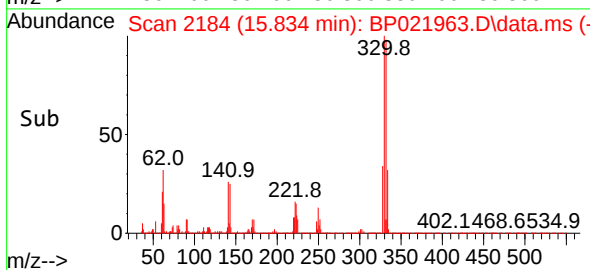
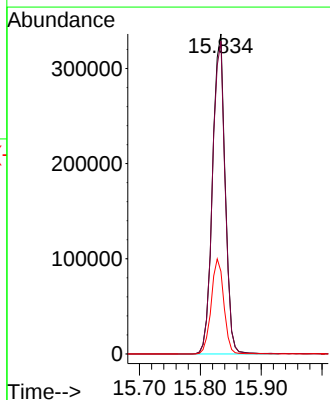
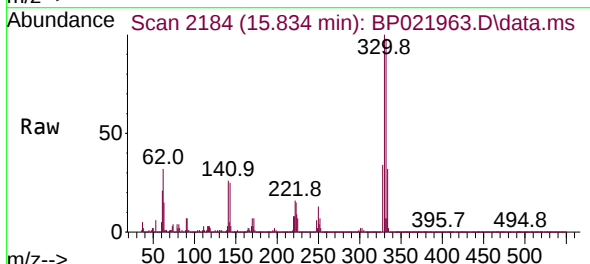
Manual Integrations
APPROVED

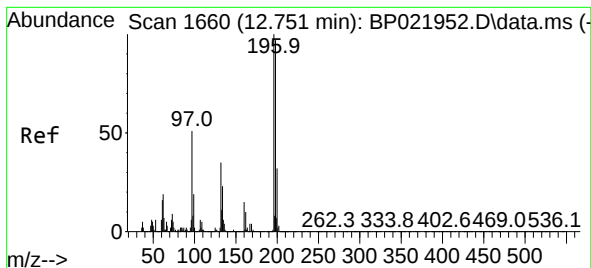
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#42
2,4,6-Tribromophenol
Concen: 124.701 ng
RT: 15.834 min Scan# 2184
Delta R.T. -0.023 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion: 330 Resp: 482980
Ion Ratio Lower Upper
330 100
332 98.0 77.5 116.3
141 29.7 23.4 35.0





#43

2,4,6-Trichlorophenol

Concen: 4.102 ng

RT: 12.746 min Scan# 1659

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

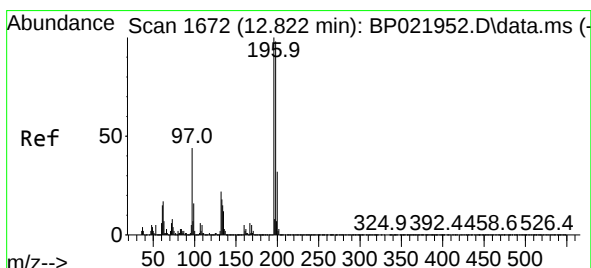
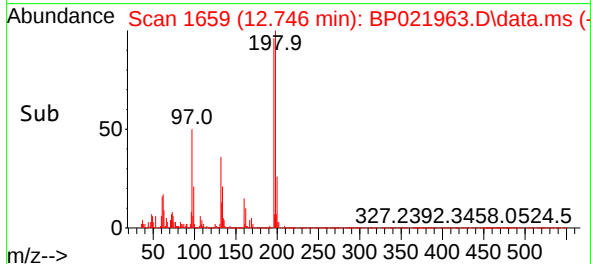
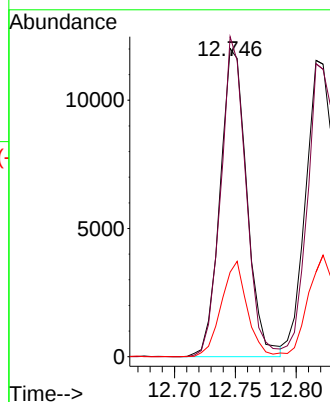
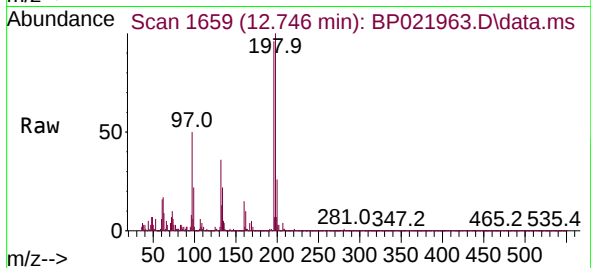
LOQ-SOIL-02-QT2-2024

Tgt Ion:196	Resp:	1840
Ion Ratio	Lower	Upper
196	100	
198	103.9	77.6 116.4
200	27.4	25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#44

2,4,5-Trichlorophenol

Concen: 3.906 ng

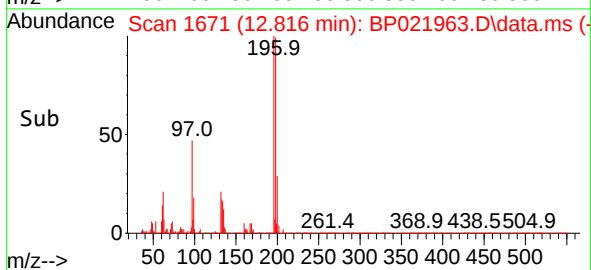
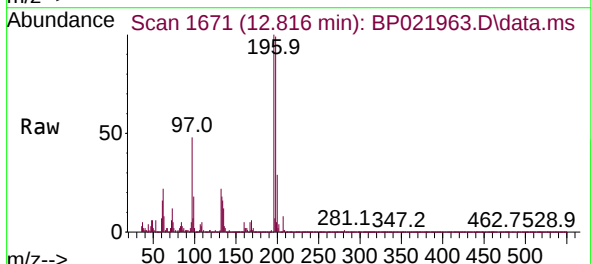
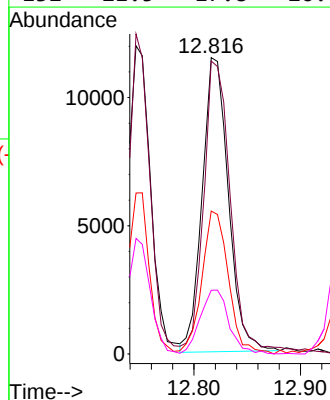
RT: 12.816 min Scan# 1671

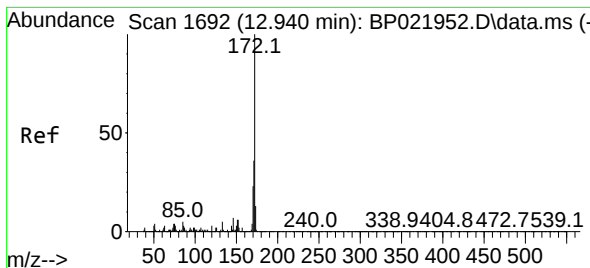
Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:196	Resp:	19660
Ion Ratio	Lower	Upper
196	100	
198	98.9	78.2 117.4
97	48.2	35.0 52.4
132	21.5	17.8 26.8





#45

2-Fluorobiphenyl

Concen: 85.792 ng

RT: 12.934 min Scan# 1691

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:172 Resp: 1227820

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

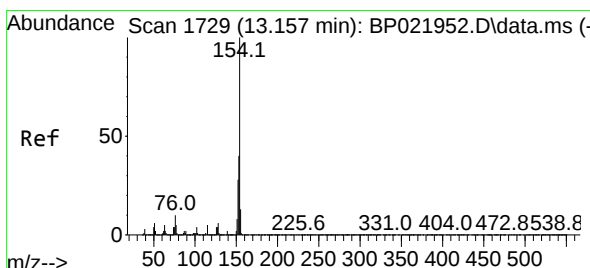
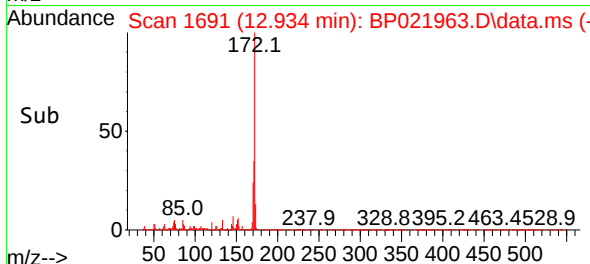
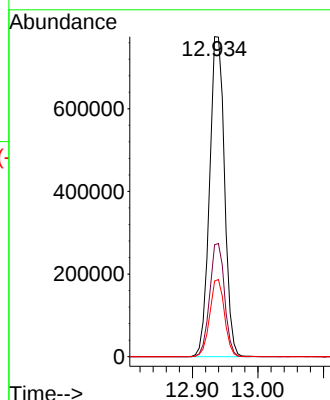
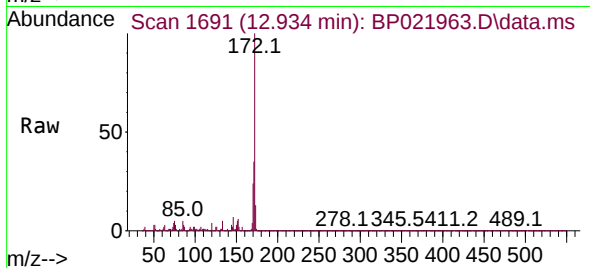
170 23.6 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/24/2024



#46

1,1'-Biphenyl

Concen: 5.178 ng

RT: 13.146 min Scan# 1727

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

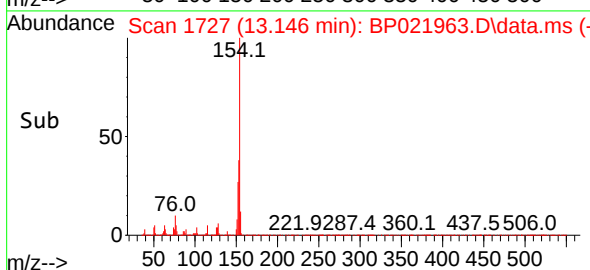
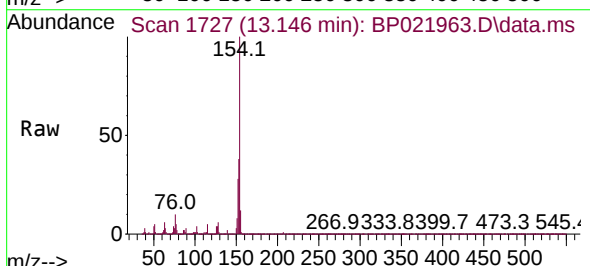
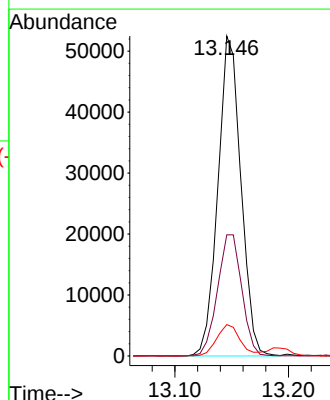
Tgt Ion:154 Resp: 73761

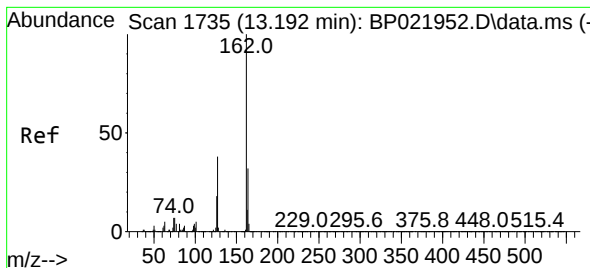
Ion Ratio Lower Upper

154 100

153 37.8 20.2 60.2

76 9.8 0.0 29.9





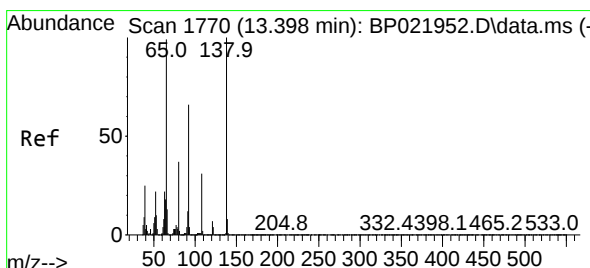
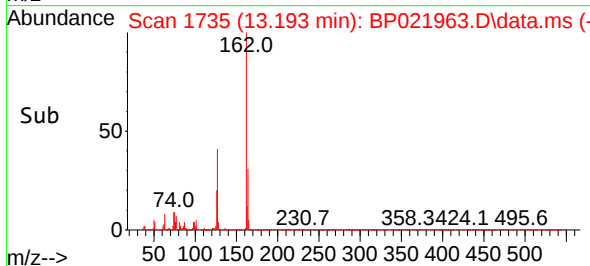
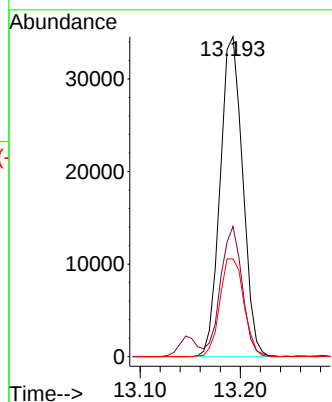
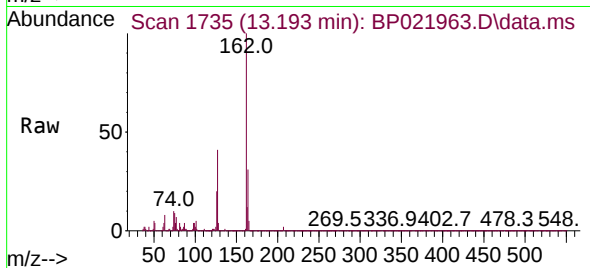
#47
2-Chloronaphthalene
Concen: 4.681 ng
RT: 13.193 min Scan# 1735
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.7	31.7	47.5
164	30.5	25.9	38.9

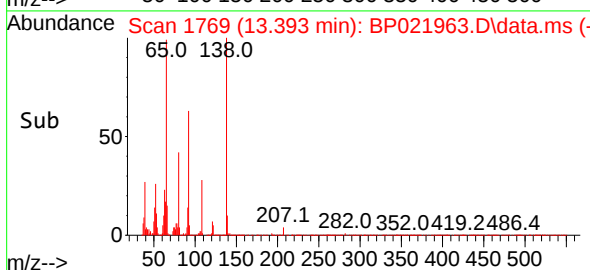
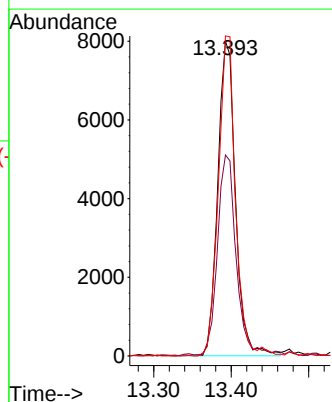
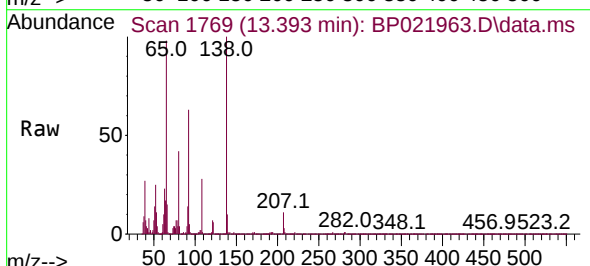
Manual Integrations
APPROVED

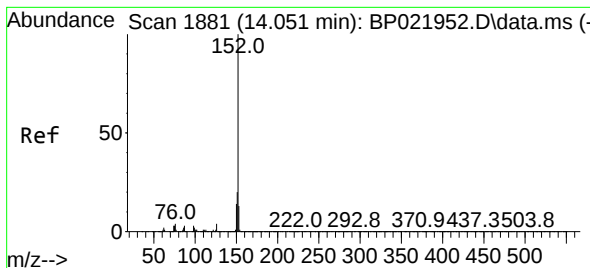
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#48
2-Nitroaniline
Concen: 4.053 ng
RT: 13.393 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.9	53.2	79.8
138	101.7	81.1	121.7





#49

Acenaphthylene

Concen: 4.885 ng

RT: 14.046 min Scan# 1880

Delta R.T. -0.006 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

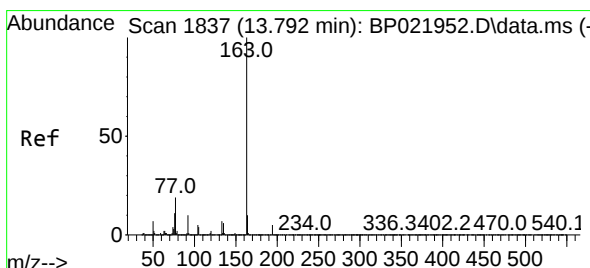
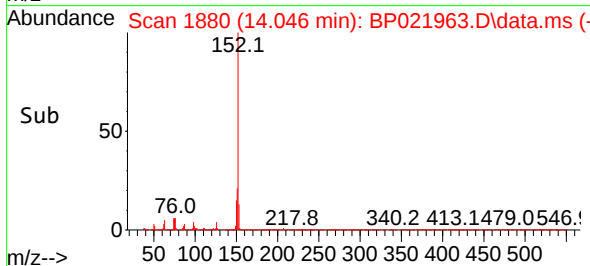
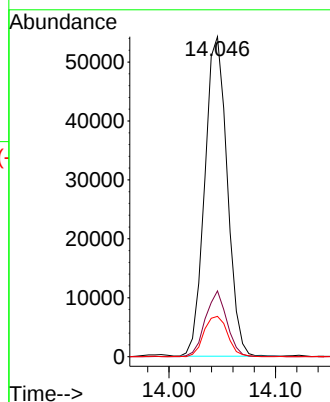
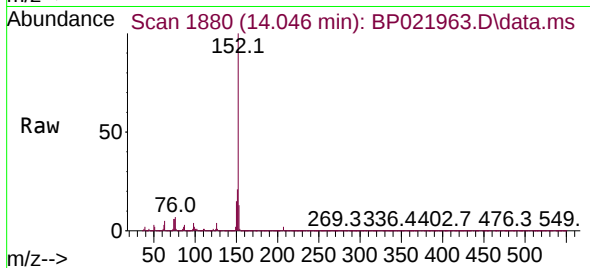
LOQ-SOIL-02-QT2-2024

Tgt Ion:	152	Resp:	79400
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.0	24.0
153	12.6	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#50

Dimethylphthalate

Concen: 4.855 ng

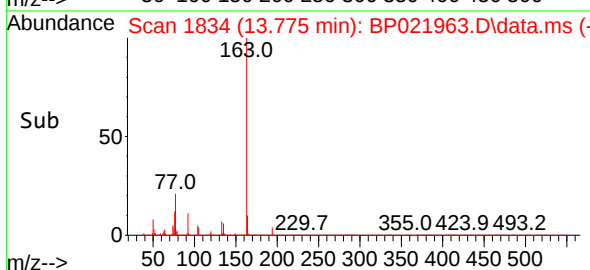
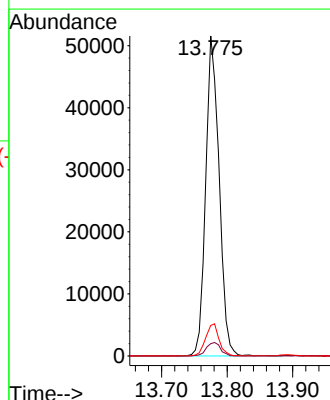
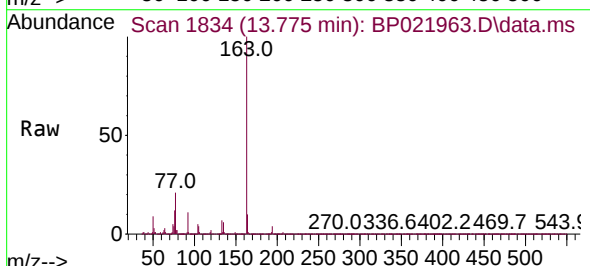
RT: 13.775 min Scan# 1834

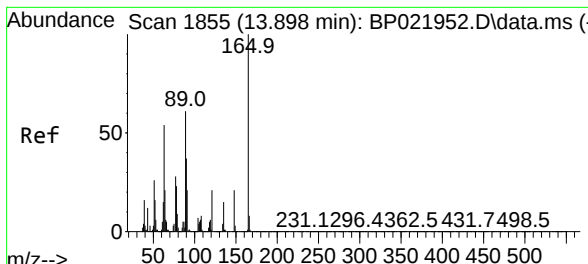
Delta R.T. -0.018 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:	163	Resp:	73562
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.6	5.4
164	9.6	8.0	12.0





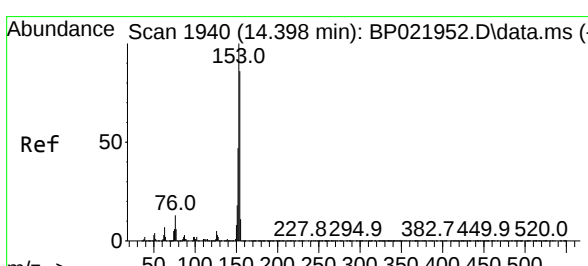
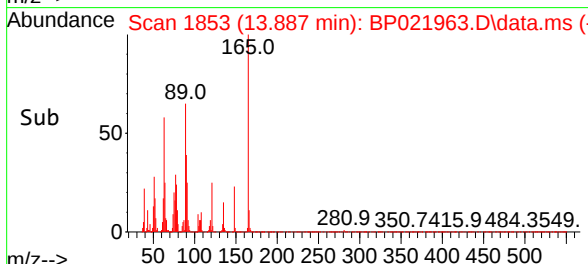
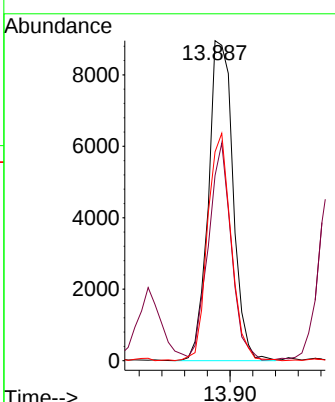
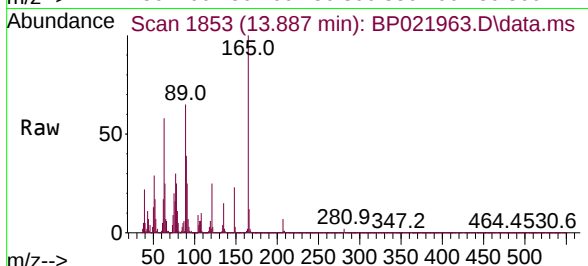
#51
 2,6-Dinitrotoluene
 Concen: 4.011 ng
 RT: 13.887 min Scan# 1853
 Delta R.T. -0.012 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:	165	Resp:	1354
Ion Ratio	Lower	Upper	
165	100		
63	57.9	46.4	69.6
89	65.3	48.5	72.7

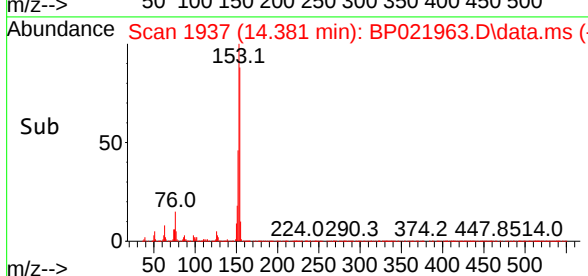
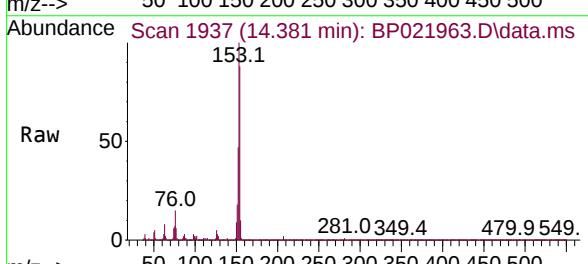
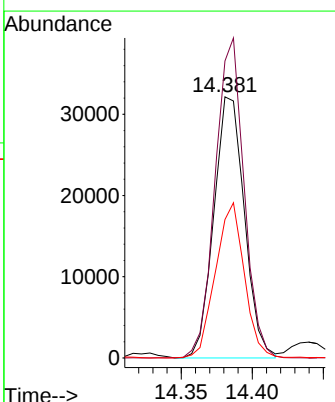
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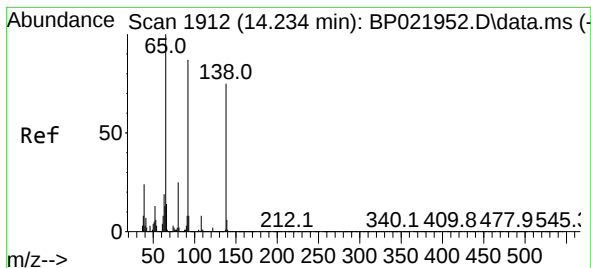
Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024



#52
 Acenaphthene
 Concen: 4.538 ng
 RT: 14.381 min Scan# 1937
 Delta R.T. -0.018 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

Tgt Ion:	154	Resp:	48002
Ion Ratio	Lower	Upper	
154	100		
153	113.7	92.7	139.1
152	53.0	43.6	65.4





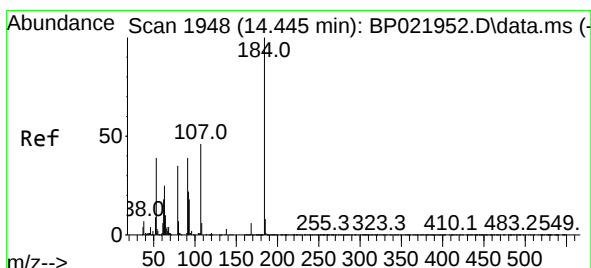
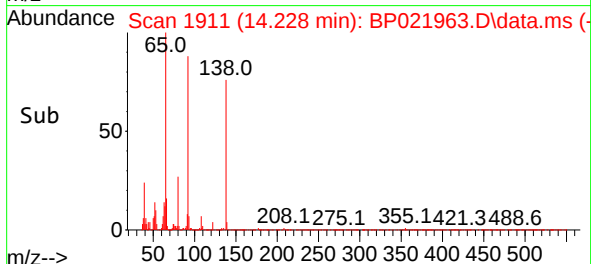
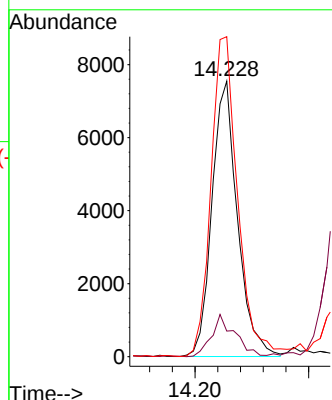
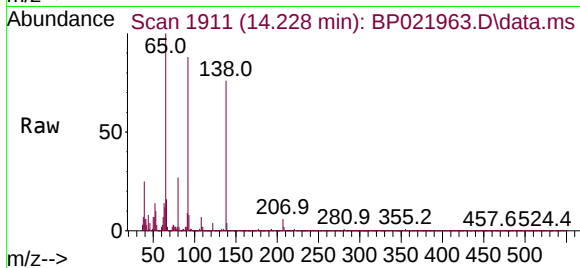
#53
3-Nitroaniline
Concen: 3.919 ng
RT: 14.228 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:138 Resp: 11794
Ion Ratio Lower Upper
138 100
108 9.3 9.0 13.4
92 116.1 92.8 139.2

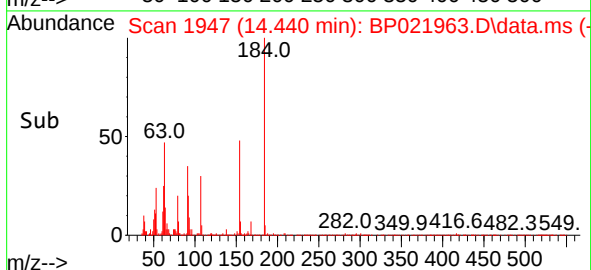
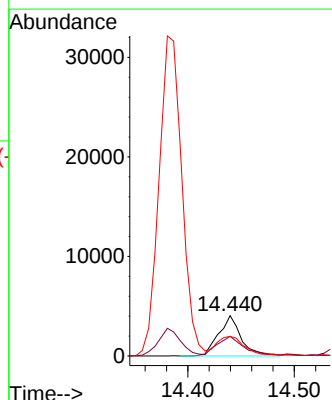
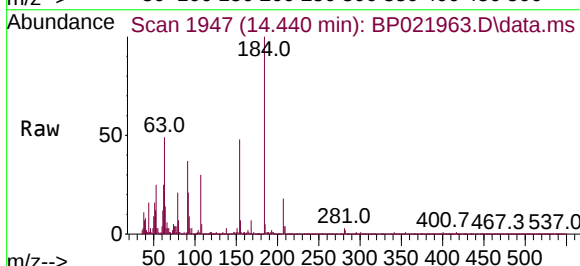
Manual Integrations
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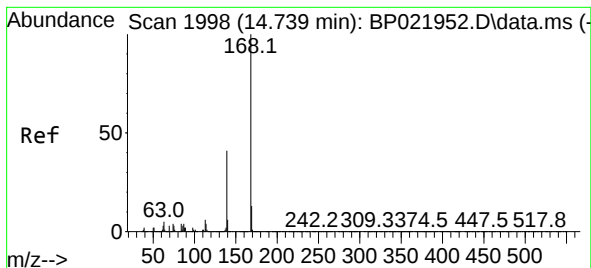
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#54
2,4-Dinitrophenol
Concen: 2.993 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:184 Resp: 5921
Ion Ratio Lower Upper
184 100
63 48.8 49.0 73.6#
154 48.3 58.1 87.1#





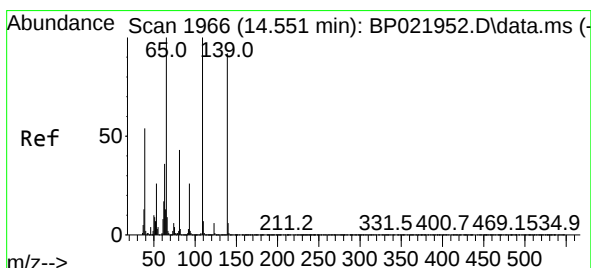
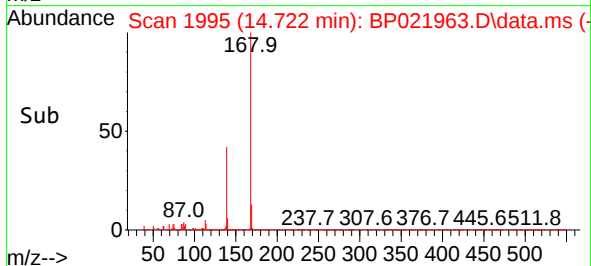
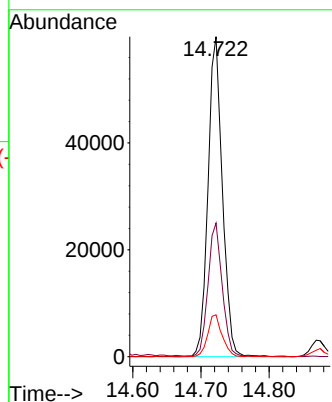
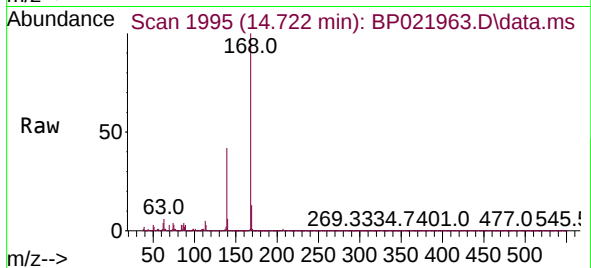
#55
Dibenzenofuran
Concen: 4.934 ng
RT: 14.722 min Scan# 1995
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:168 Resp: 8772
Ion Ratio Lower Upper
168 100
139 41.7 33.0 49.4
169 13.1 10.7 16.1

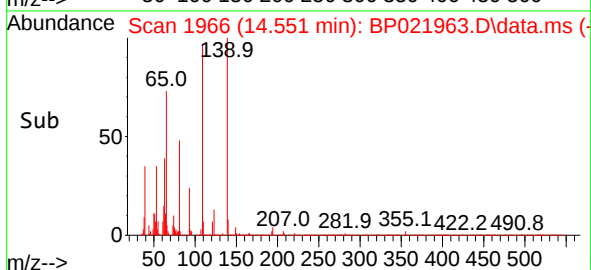
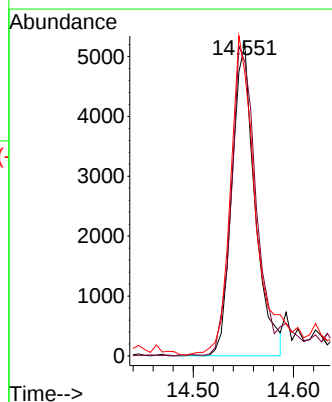
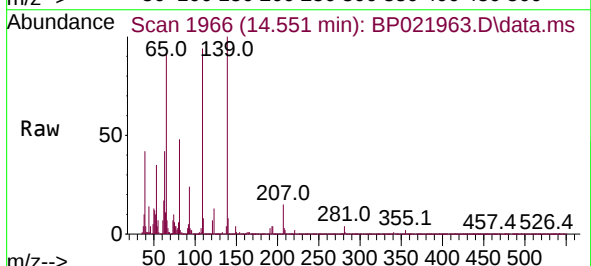
Manual Integrations
APPROVED

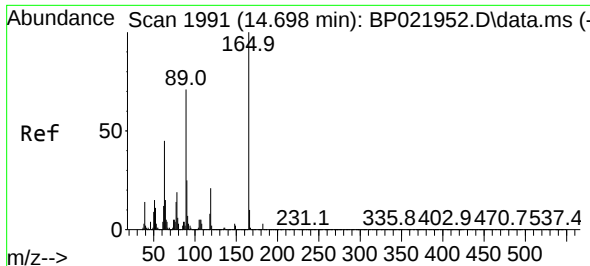
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#56
4-Nitrophenol
Concen: 3.182 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:139 Resp: 8334
Ion Ratio Lower Upper
139 100
109 94.4 88.6 128.6
65 90.9 88.7 128.7





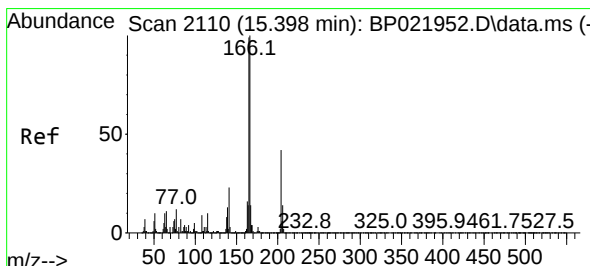
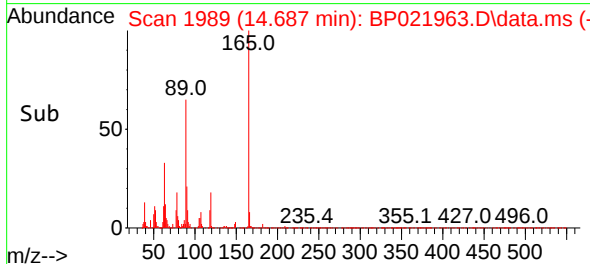
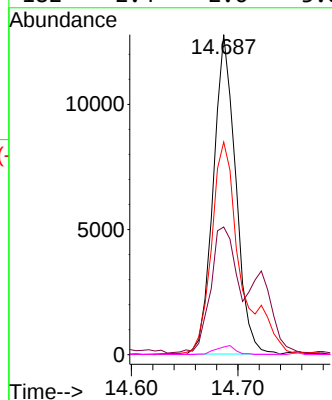
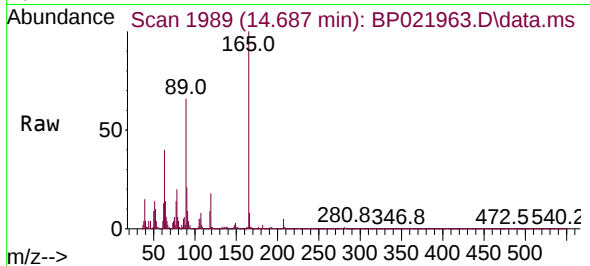
#57
2,4-Dinitrotoluene
Concen: 3.905 ng
RT: 14.687 min Scan# 1991
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:	165	Resp:	1864
Ion Ratio	Lower	Upper	
165	100		
63	39.9	36.3	54.5
89	66.4	57.2	85.8
182	2.4	2.6	3.8

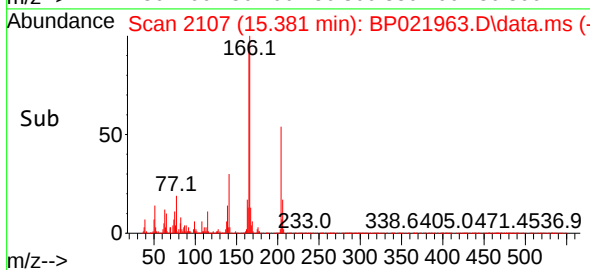
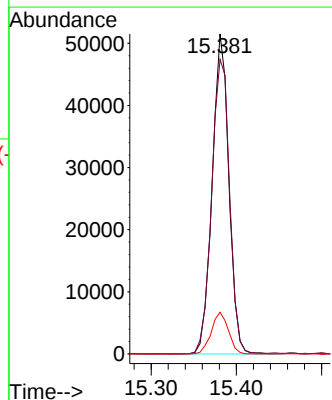
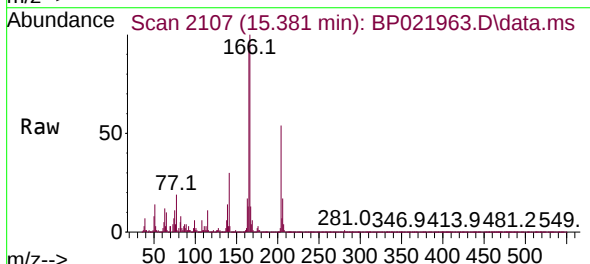
Manual Integrations
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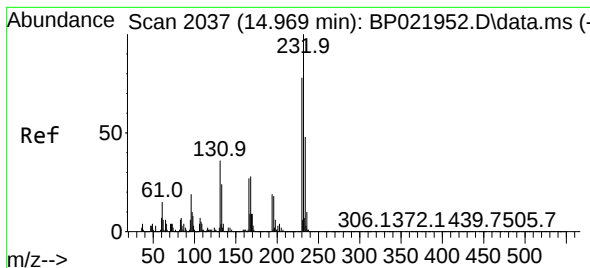
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#58
Fluorene
Concen: 4.700 ng
RT: 15.381 min Scan# 2107
Delta R.T. -0.018 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:	166	Resp:	69789
Ion Ratio	Lower	Upper	
166	100		
165	92.1	79.4	119.2
167	13.1	10.9	16.3





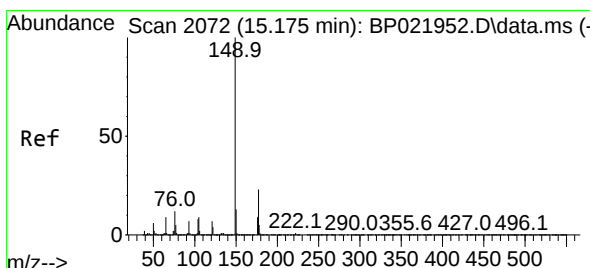
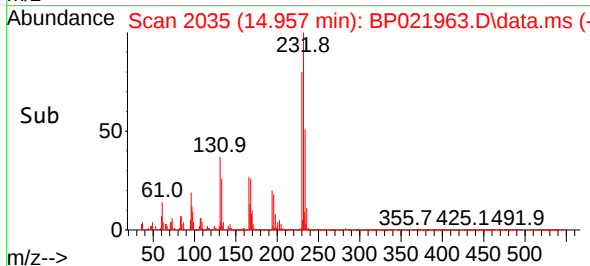
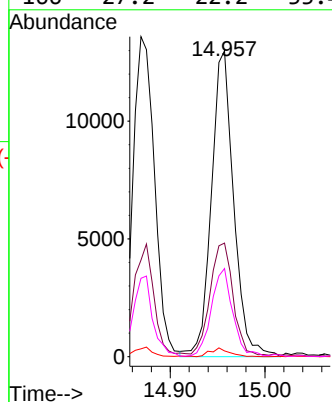
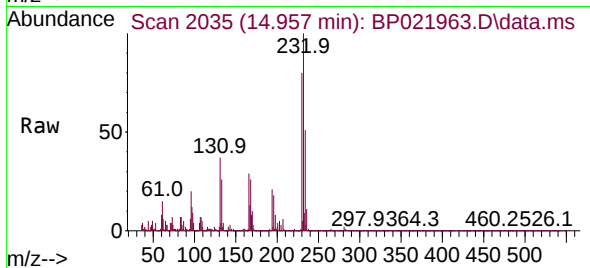
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.363 ng
RT: 14.957 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion	Ratio	Lower	Upper
232	100		
131	38.0	30.2	45.4
130	2.4	1.9	2.9
166	27.2	22.2	33.4

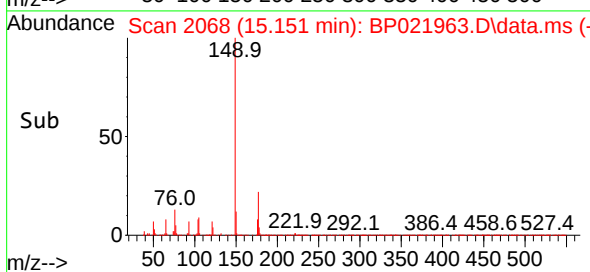
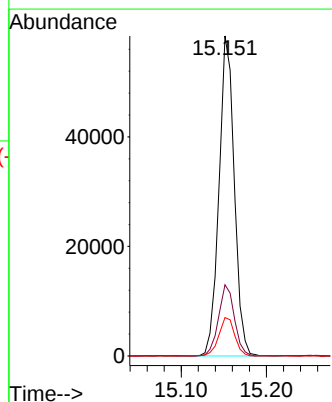
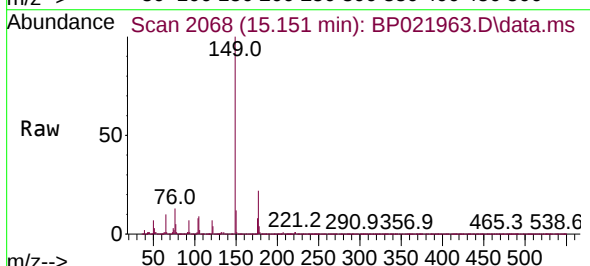
Manual Integrations
APPROVED

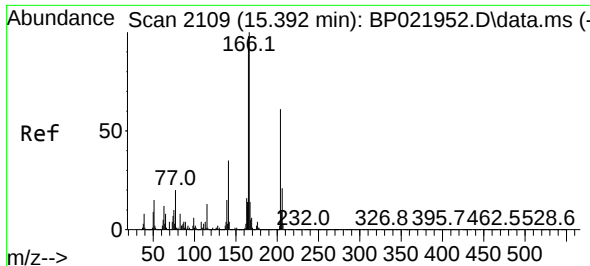
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#60
Diethylphthalate
Concen: 4.725 ng
RT: 15.151 min Scan# 2068
Delta R.T. -0.023 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.2	27.4
150	12.0	10.1	15.1





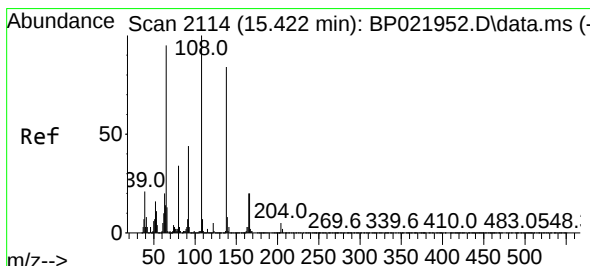
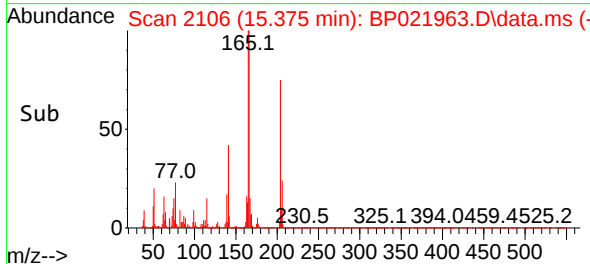
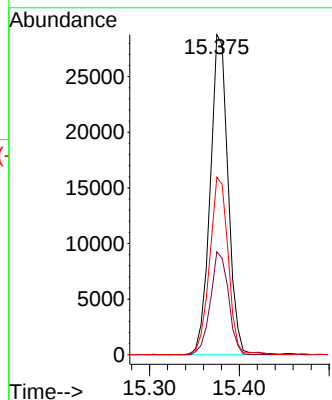
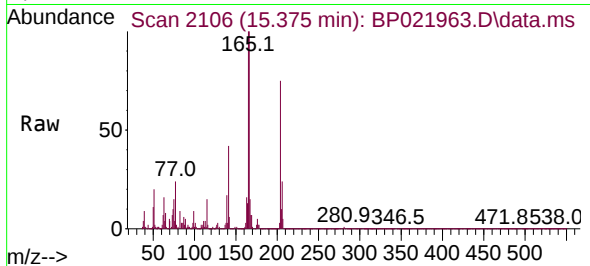
#61
4-Chlorophenyl-phenylether
Concen: 4.604 ng
RT: 15.375 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:204 Resp: 3980
Ion Ratio Lower Upper
204 100
206 32.2 27.3 40.9
141 55.4 45.7 68.5

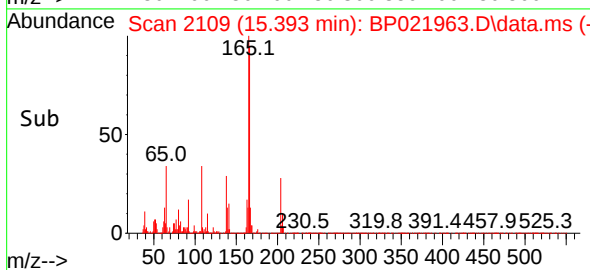
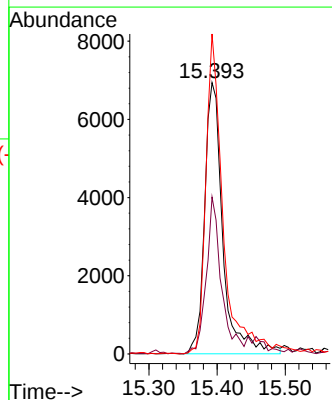
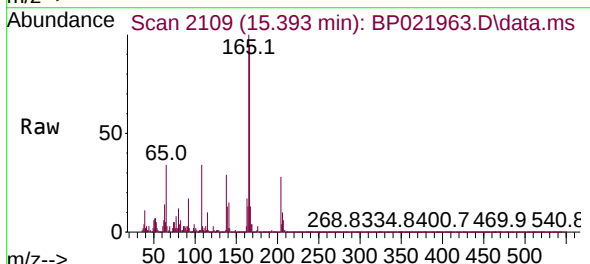
Manual Integrations
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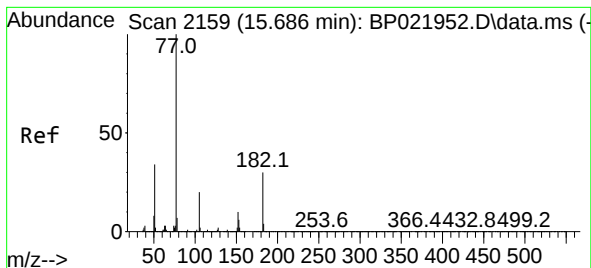
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#62
4-Nitroaniline
Concen: 3.896 ng
RT: 15.393 min Scan# 2109
Delta R.T. -0.029 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:138 Resp: 12893
Ion Ratio Lower Upper
138 100
92 57.9 32.6 72.6
108 118.0 98.6 138.6





#63

Azobenzene

Concen: 4.519 ng

RT: 15.675 min Scan# 2159

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 57578

Ion Ratio Lower Upper

77 100

182 28.6 9.6 49.6

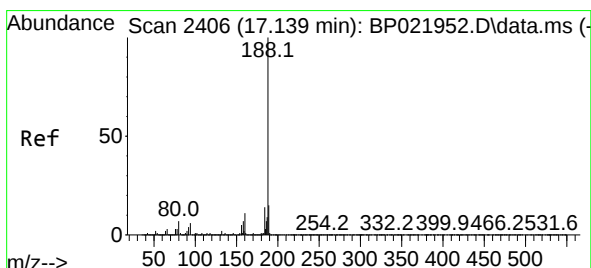
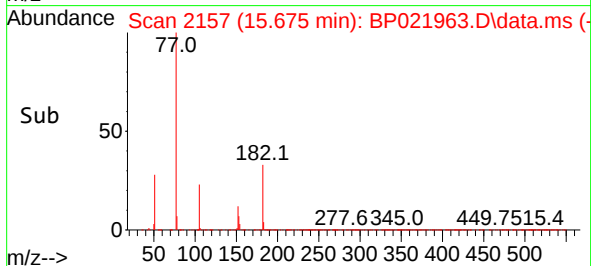
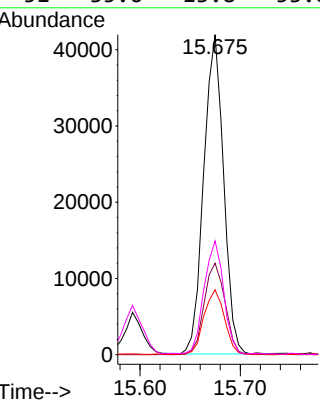
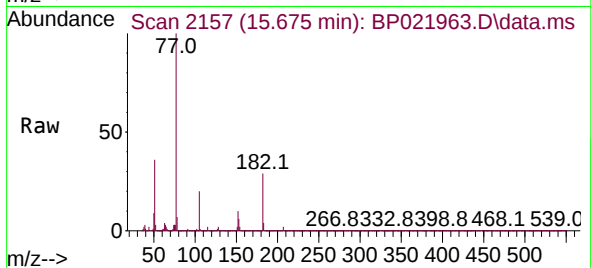
105 20.3 0.0 39.8

51 35.6 13.8 53.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.110 min Scan# 2401

Delta R.T. -0.029 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

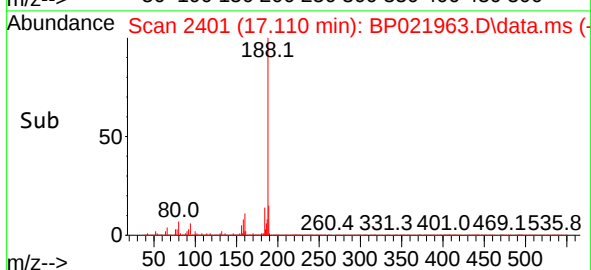
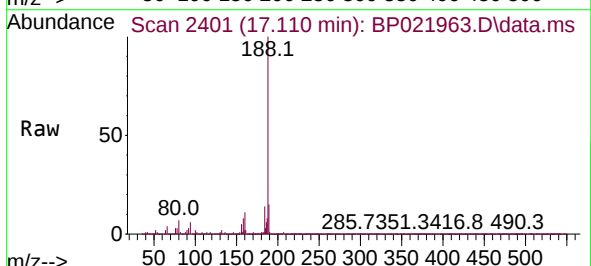
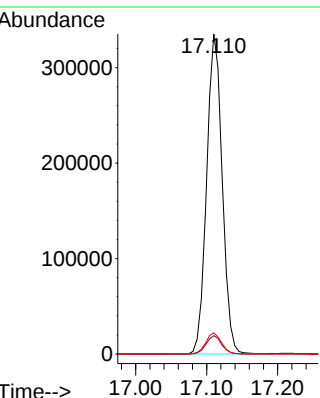
Tgt Ion:188 Resp: 508713

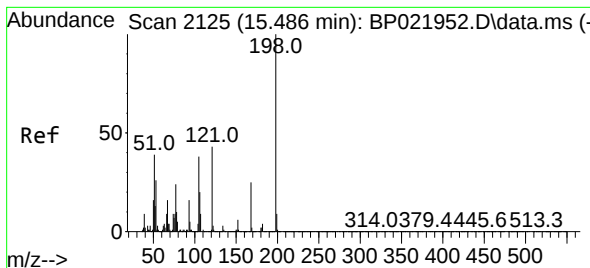
Ion Ratio Lower Upper

188 100

94 5.7 4.6 6.8

80 6.6 5.4 8.2





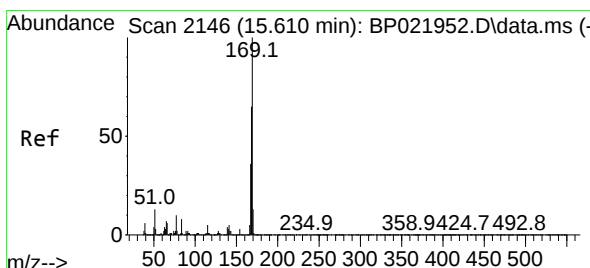
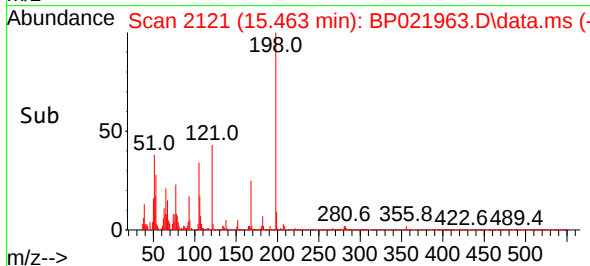
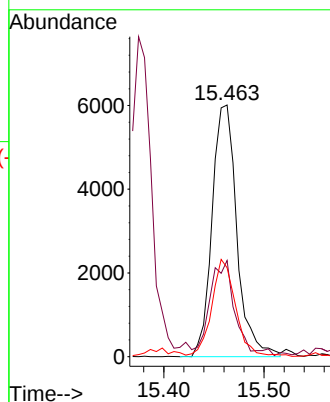
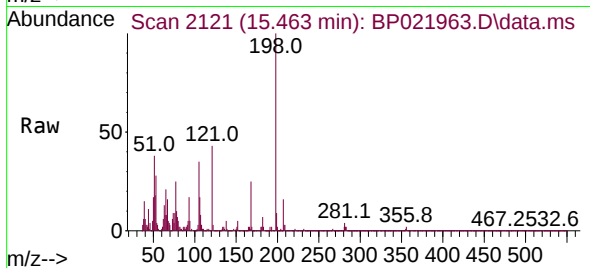
#65
4,6-Dinitro-2-methylphenol
Concen: 3.503 ng
RT: 15.463 min Scan# 2125
Delta R.T. -0.023 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:198 Resp: 10330
Ion Ratio Lower Upper
198 100
51 38.2 20.7 60.7
105 35.3 18.4 58.4

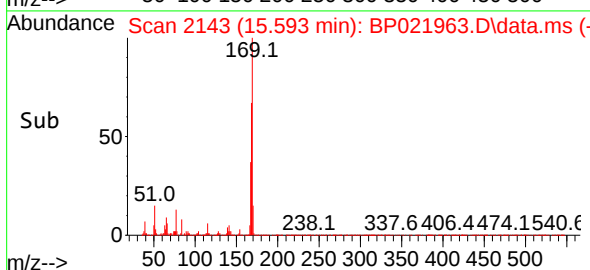
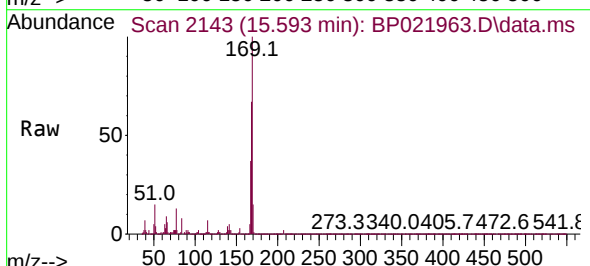
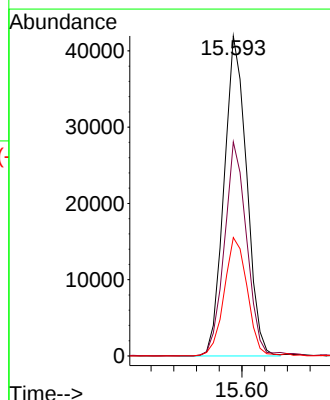
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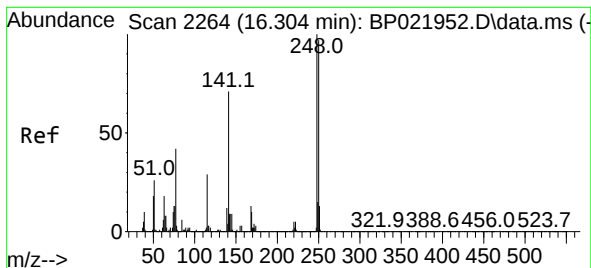
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#66
n-Nitrosodiphenylamine
Concen: 4.566 ng
RT: 15.593 min Scan# 2143
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:169 Resp: 57832
Ion Ratio Lower Upper
169 100
168 66.9 52.2 78.4
167 37.0 28.6 42.8





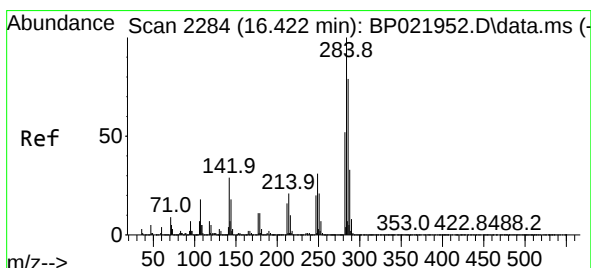
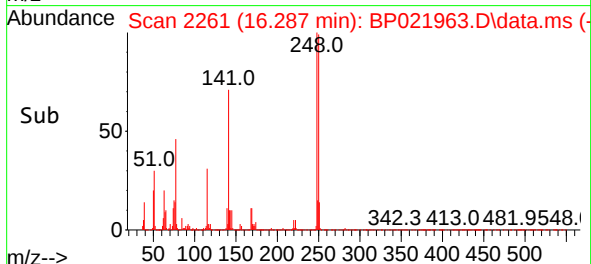
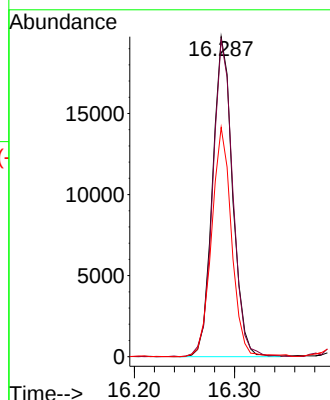
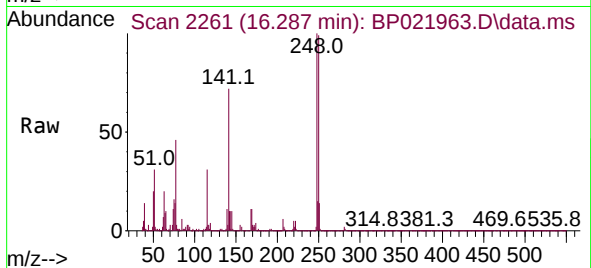
#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.287 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:248 Resp: 27278
Ion Ratio Lower Upper
248 100
250 99.1 77.5 116.3
141 71.7 56.5 84.7

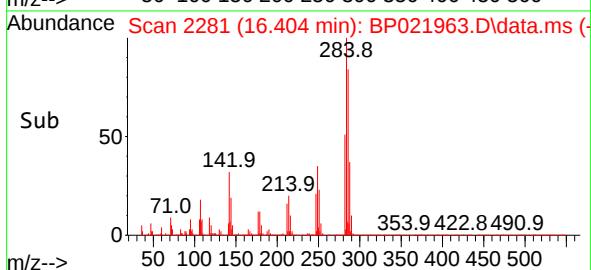
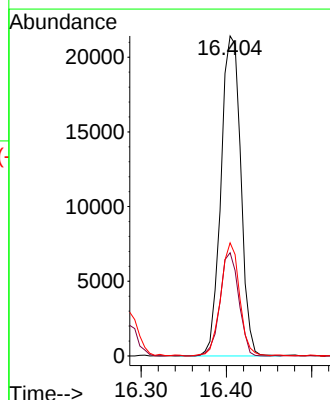
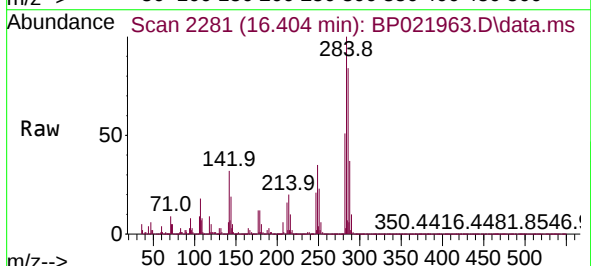
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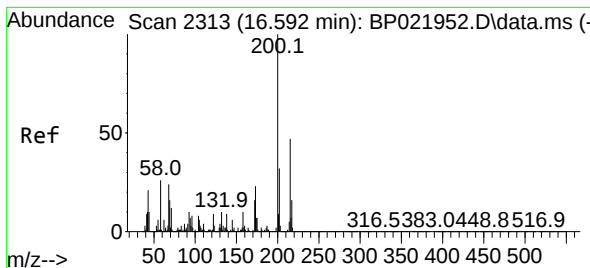
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#68
Hexachlorobenzene
Concen: 4.670 ng
RT: 16.404 min Scan# 2281
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:284 Resp: 34530
Ion Ratio Lower Upper
284 100
142 32.2 22.9 34.3
249 35.4 25.2 37.8





#69

Atrazine

Concen: 5.584 ng

RT: 16.563 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

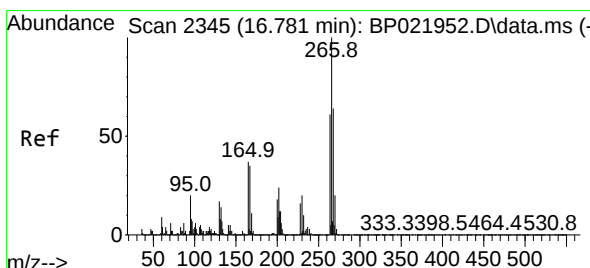
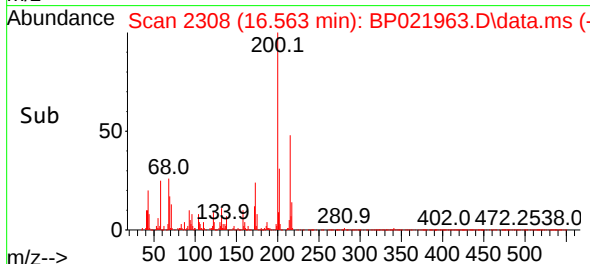
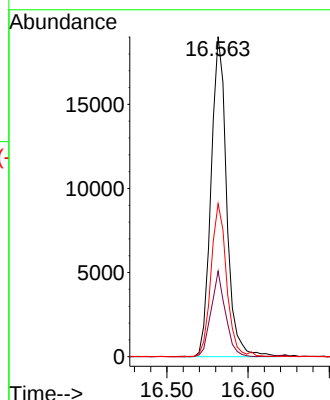
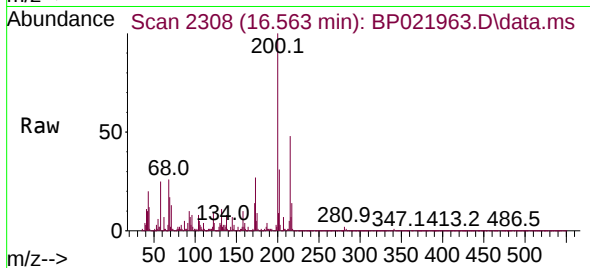
LOQ-SOIL-02-QT2-2024

Tgt Ion:	200	Resp:	2534
Ion Ratio	Lower	Upper	
200	100		
173	26.8	3.0	43.0
215	47.8	27.4	67.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#70

Pentachlorophenol

Concen: 3.568 ng

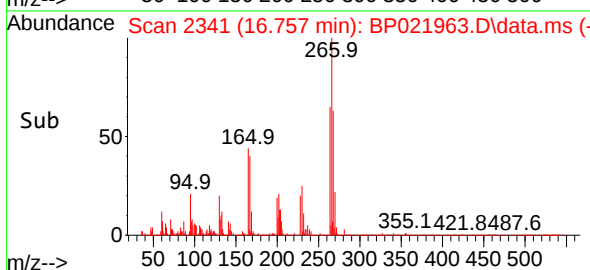
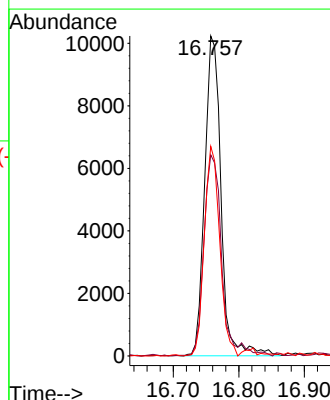
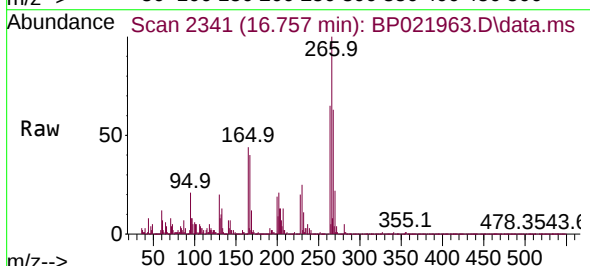
RT: 16.757 min Scan# 2341

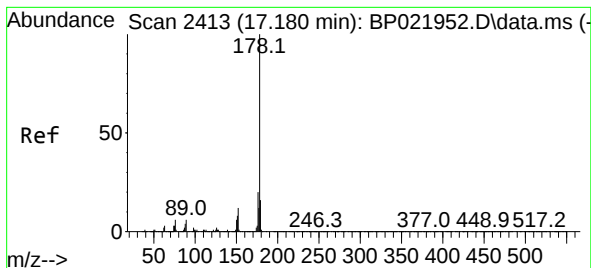
Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:	266	Resp:	17749
Ion Ratio	Lower	Upper	
266	100		
268	62.9	51.1	76.7
264	65.5	48.6	72.8





#71

Phenanthrene

Concen: 4.939 ng

RT: 17.157 min Scan# 2413

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:178 Resp: 120610

Ion Ratio Lower Upper

178 100

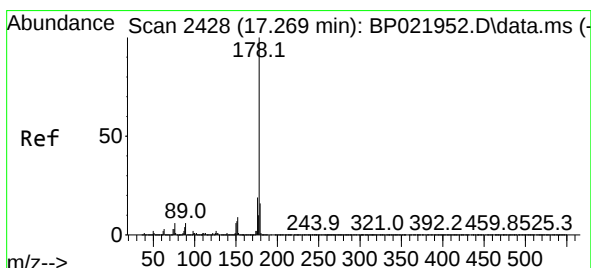
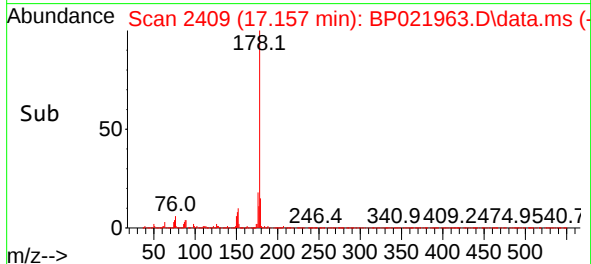
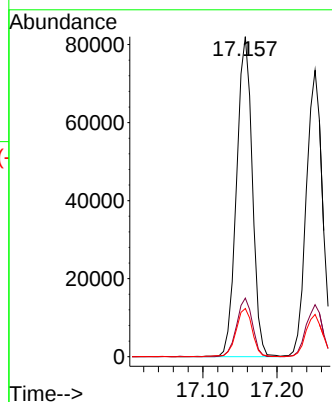
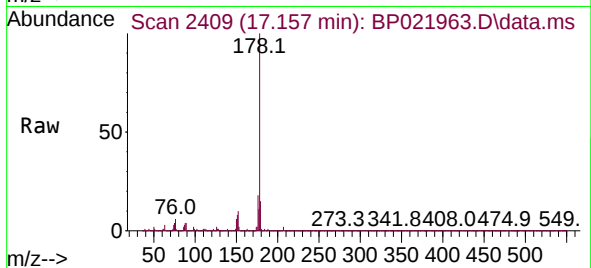
176 18.3 15.9 23.9

179 15.0 12.5 18.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#72

Anthracene

Concen: 4.771 ng

RT: 17.251 min Scan# 2425

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

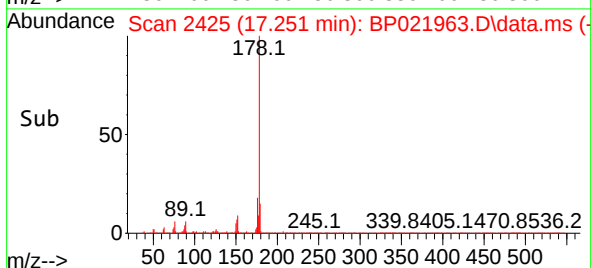
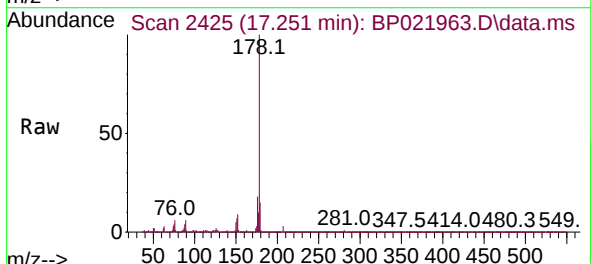
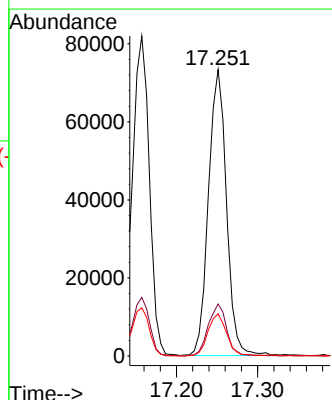
Tgt Ion:178 Resp: 112788

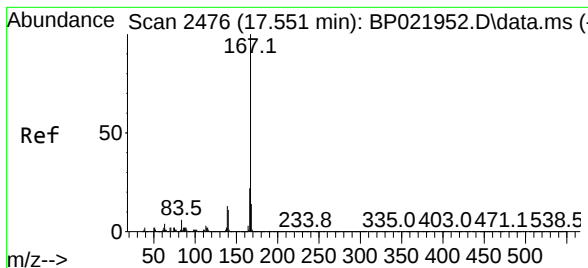
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 14.7 12.6 18.8





#73

Carbazole

Concen: 4.453 ng

RT: 17.534 min Scan# 2476

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

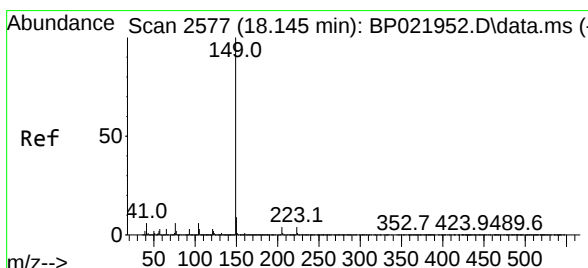
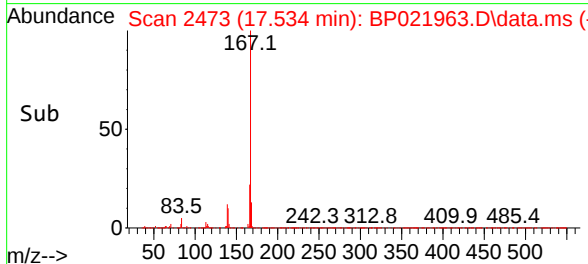
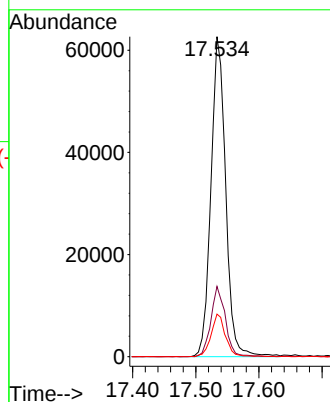
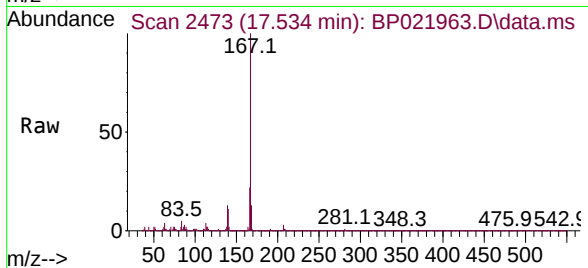
LOQ-SOIL-02-QT2-2024

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.0
139	13.3	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#74

Di-n-butylphthalate

Concen: 4.199 ng

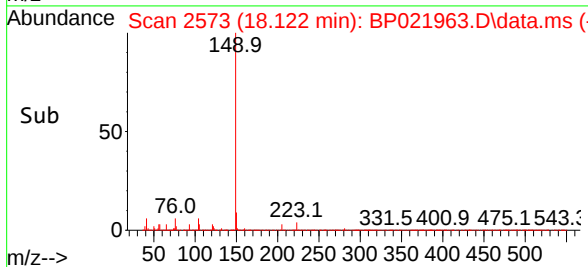
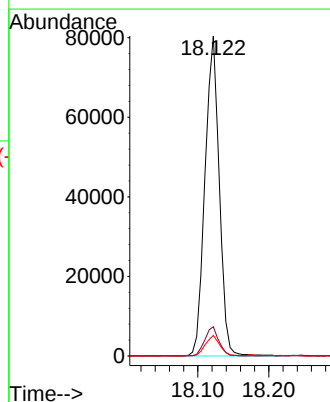
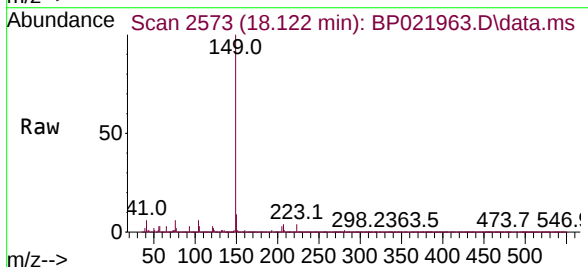
RT: 18.122 min Scan# 2573

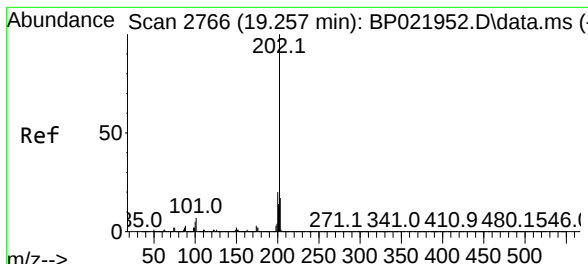
Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	6.4	4.6	6.8



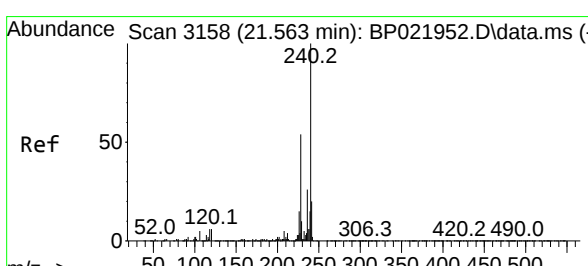
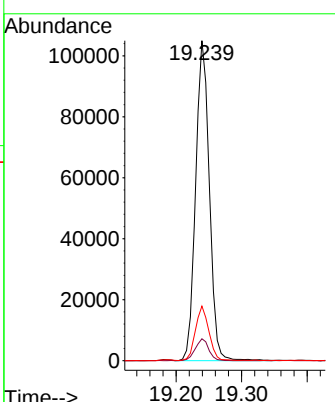
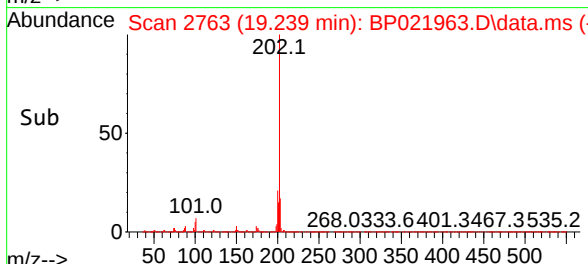
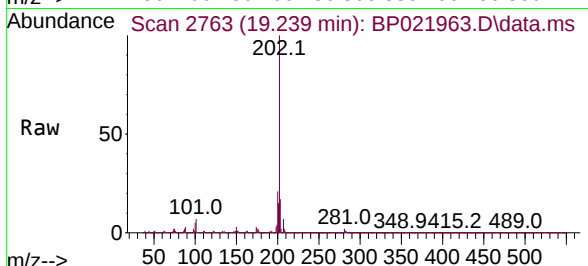


#75
 Fluoranthene
 Concen: 4.477 ng
 RT: 19.239 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT2-2024

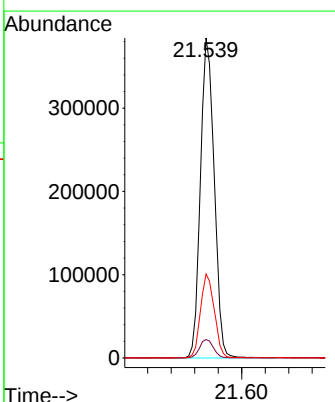
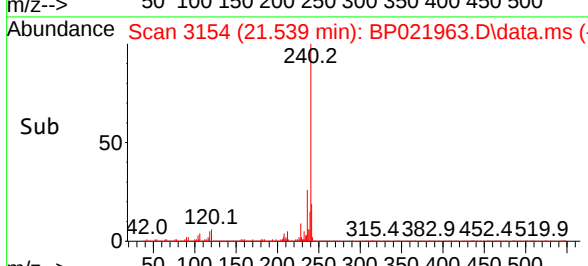
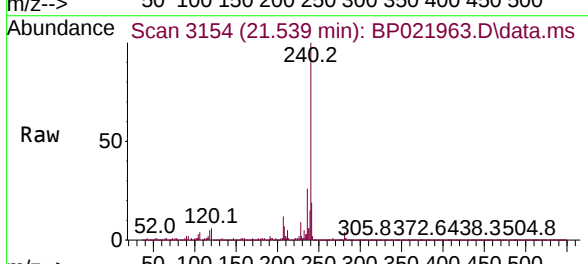
Tgt Ion:	202	Resp:	152600
Ion Ratio	Lower	Upper	
202	100		
101	6.9	0.0	26.5
203	17.0	0.0	37.3

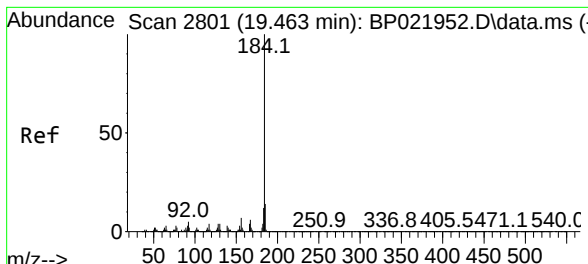
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.539 min Scan# 3154
 Delta R.T. -0.023 min
 Lab File: BP021963.D
 Acq: 20 Sep 2024 11:49

Tgt Ion:	240	Resp:	626667
Ion Ratio	Lower	Upper	
240	100		
120	5.8	5.1	7.7
236	26.2	20.7	31.1



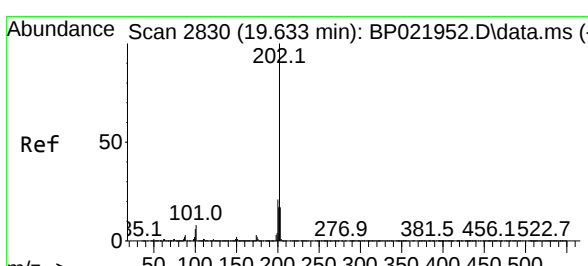
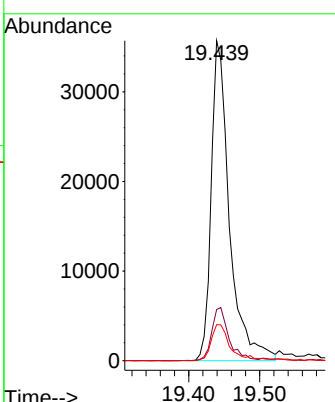
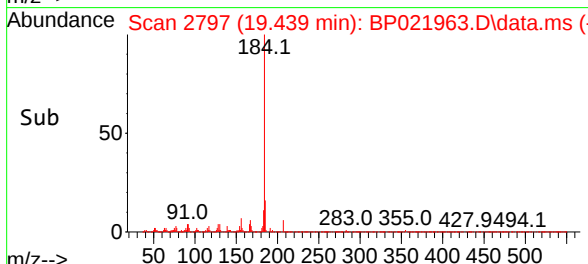
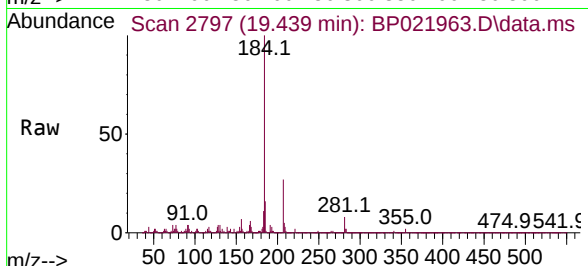


#77
Benzidine
Concen: 8.273 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2024

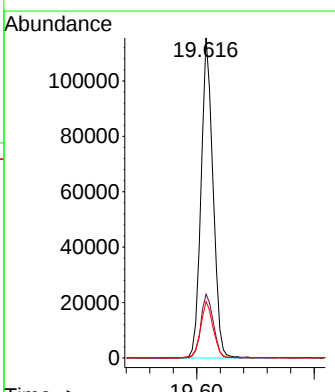
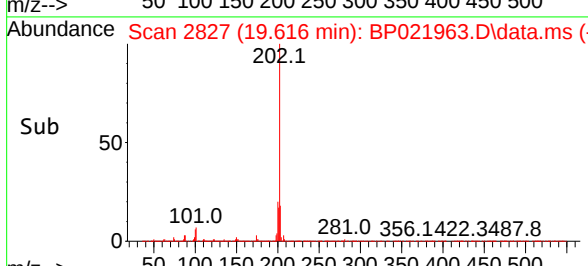
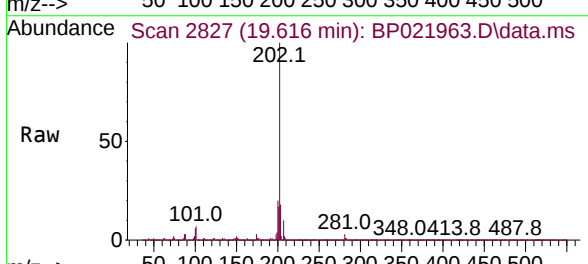
Tgt Ion:	184	Resp:	6335
Ion Ratio	Lower	Upper	
184	100		
185	16.0	10.9	16.3
183	11.2	9.2	13.8

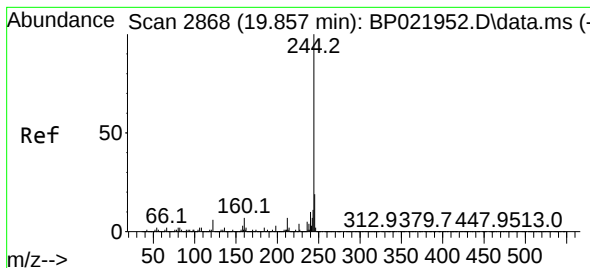
Manual Integrations
APPROVED
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#78
Pyrene
Concen: 4.297 ng
RT: 19.616 min Scan# 2827
Delta R.T. -0.017 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:	202	Resp:	162904
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.8	25.2
203	17.6	13.8	20.8





#79

Terphenyl-d14

Concen: 81.977 ng

RT: 19.845 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:244 Resp: 273478

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

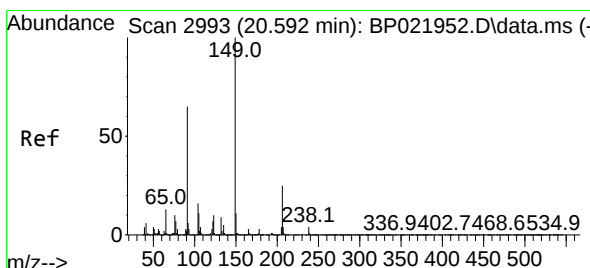
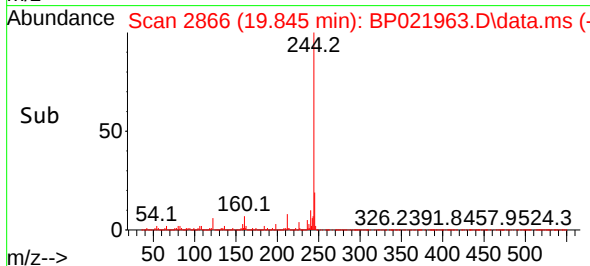
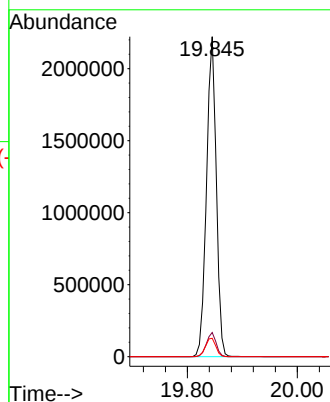
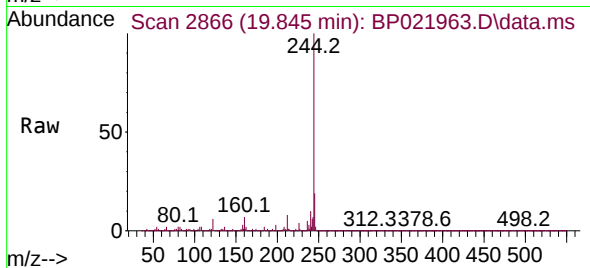
122 5.8 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024

Supervised By :mohammad ahmed 09/24/2024



#80

Butylbenzylphthalate

Concen: 4.138 ng

RT: 20.575 min Scan# 2990

Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

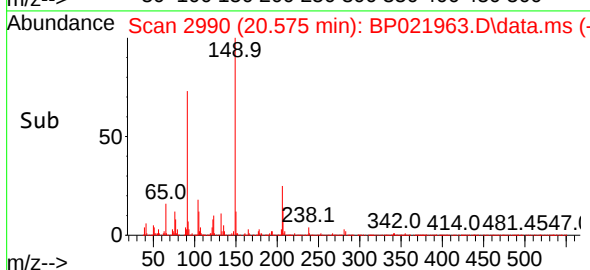
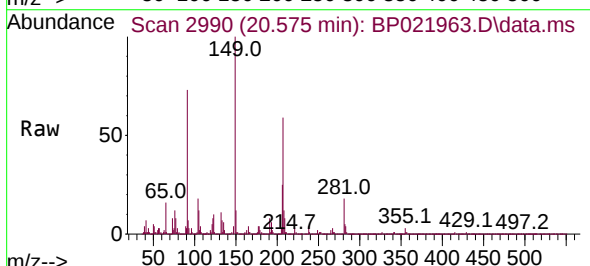
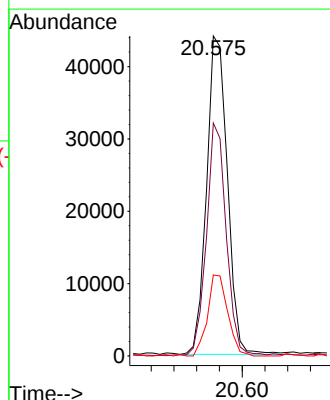
Tgt Ion:149 Resp: 55953

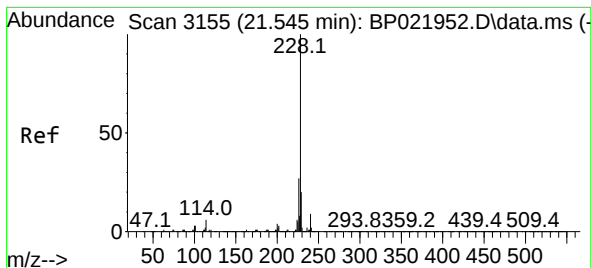
Ion Ratio Lower Upper

149 100

91 72.8 51.9 77.9

206 25.3 20.1 30.1





#81

Benzo(a)anthracene

Concen: 4.790 ng

RT: 21.522 min Scan# 3155

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

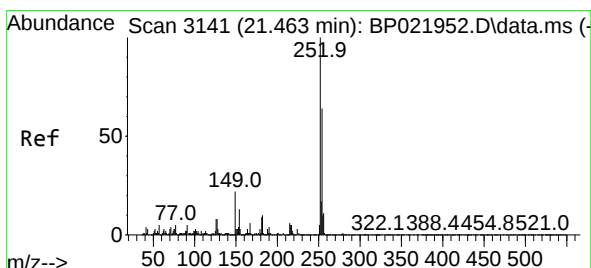
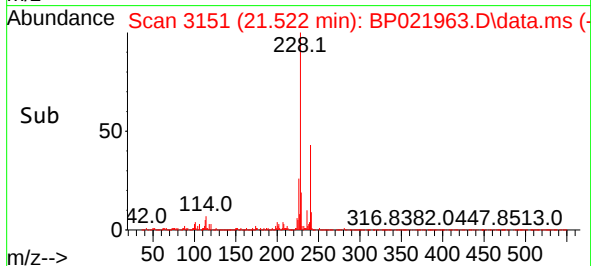
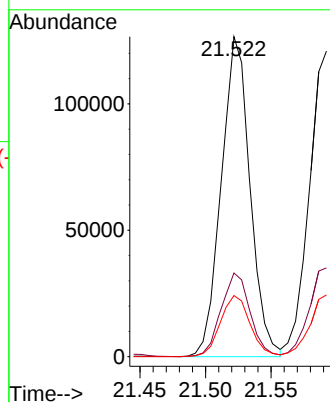
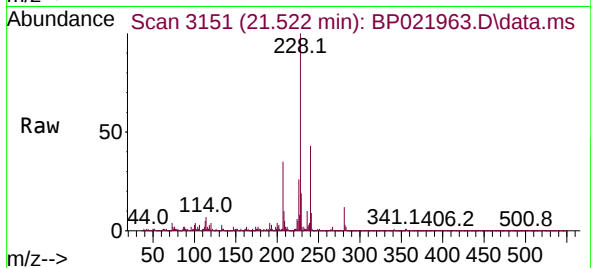
LOQ-SOIL-02-QT2-2024

Tgt Ion:	228	Resp:	19288
Ion Ratio	Lower	Upper	
228	100		
226	26.2	21.5	32.3
229	19.1	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#82

3,3'-Dichlorobenzidine

Concen: 4.401 ng

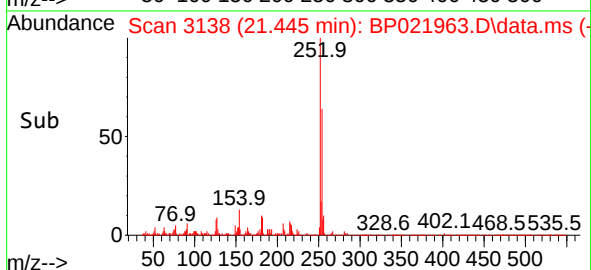
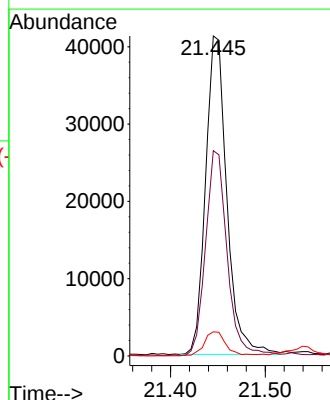
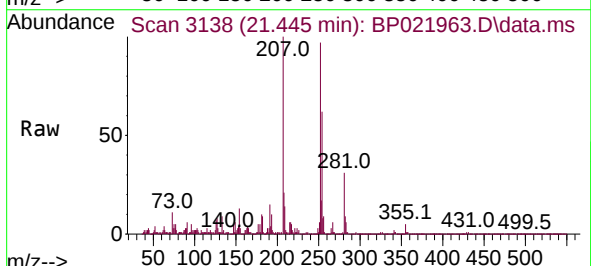
RT: 21.445 min Scan# 3138

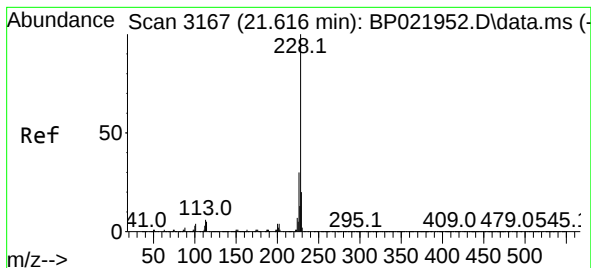
Delta R.T. -0.017 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:	252	Resp:	64301
Ion Ratio	Lower	Upper	
252	100		
254	64.2	51.4	77.2
126	7.6	6.2	9.4





#83

Chrysene

Concen: 4.871 ng

RT: 21.592 min Scan# 3167

Delta R.T. -0.023 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

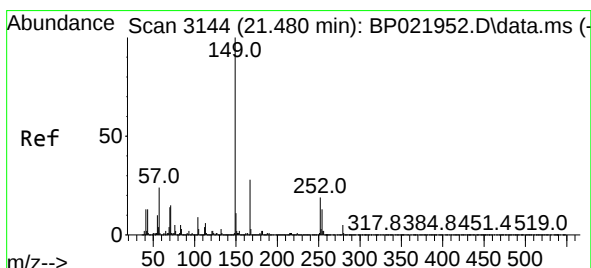
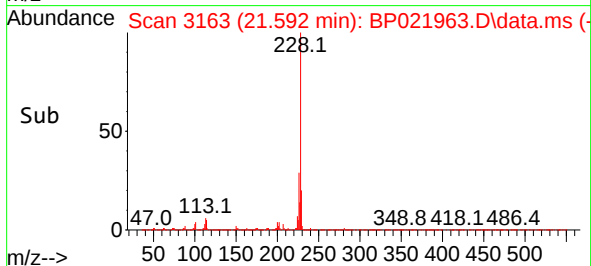
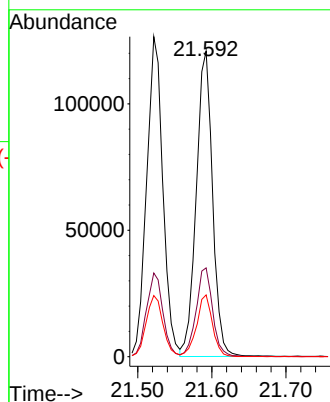
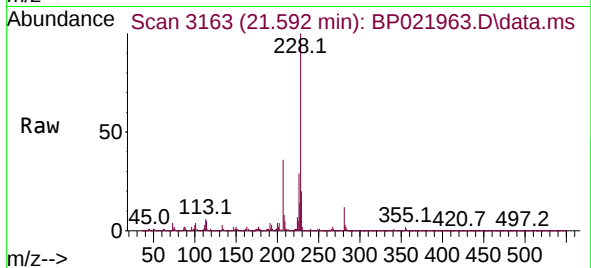
LOQ-SOIL-02-QT2-2024

Tgt Ion:	228	Resp:	18467
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.2	36.4
229	20.2	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.241 ng

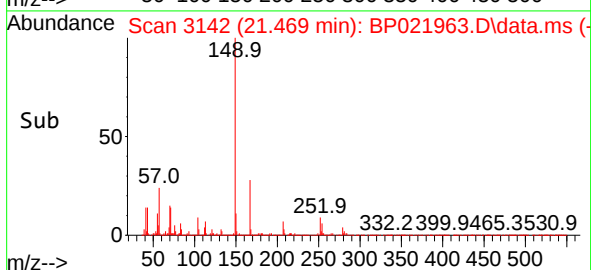
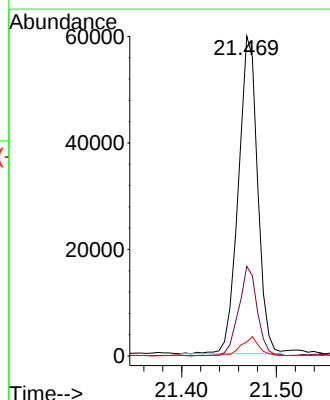
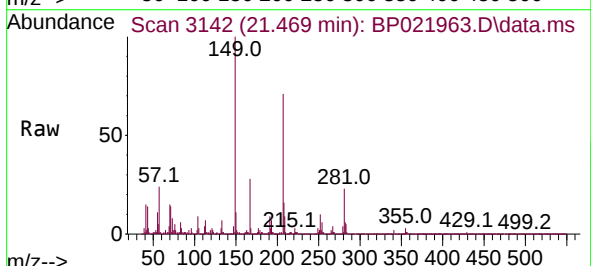
RT: 21.469 min Scan# 3142

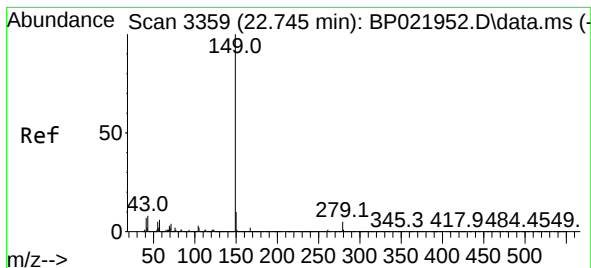
Delta R.T. -0.012 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:	149	Resp:	84160
Ion Ratio	Lower	Upper	
149	100		
167	28.0	22.3	33.5
279	4.4	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 4.045 ng

RT: 22.710 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

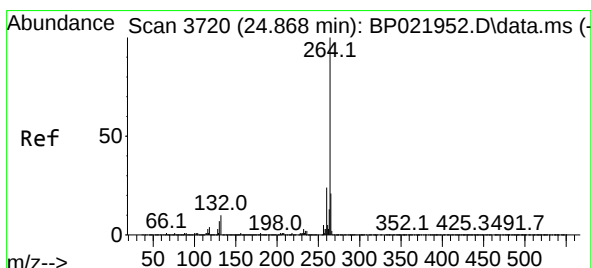
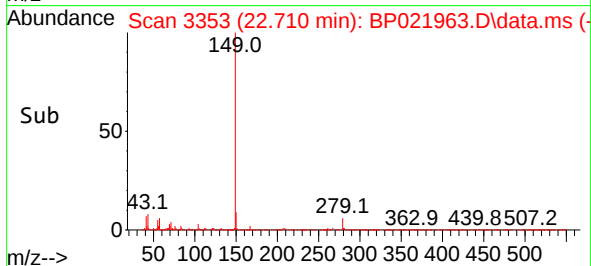
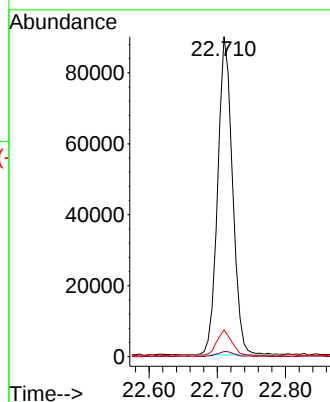
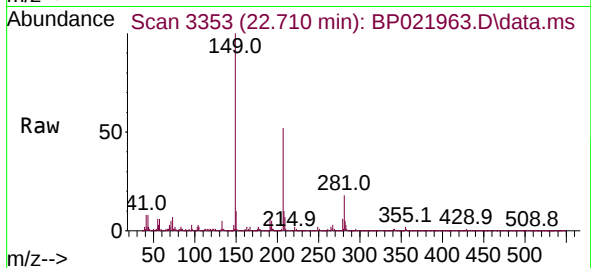
LOQ-SOIL-02-QT2-2024

Tgt Ion:	149	Resp:	136340
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	8.1	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#86

Perylene-d12

Concen: 20.000 ng

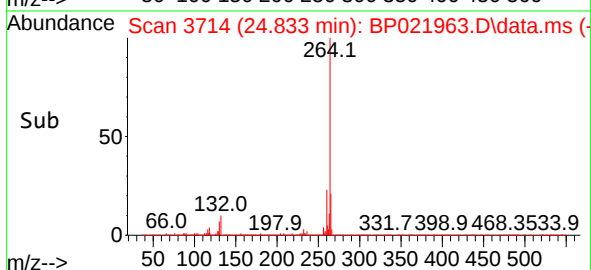
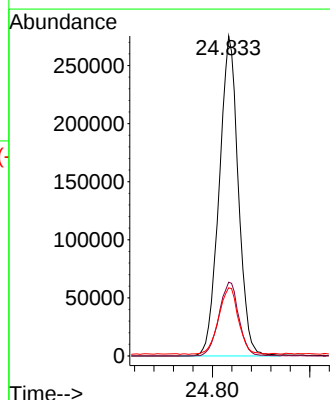
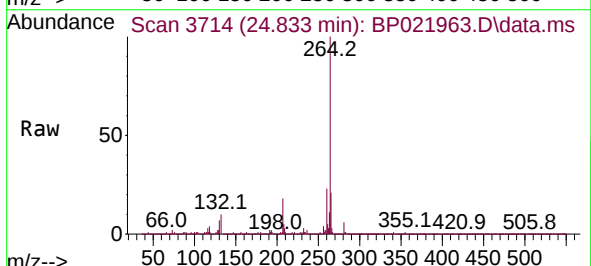
RT: 24.833 min Scan# 3714

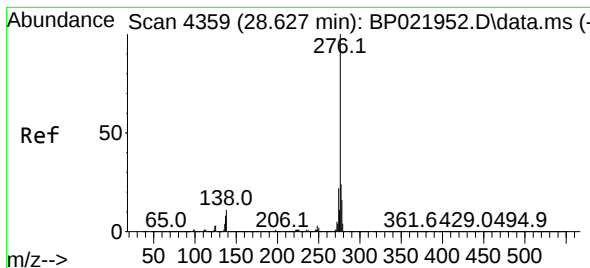
Delta R.T. -0.035 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:	264	Resp:	750639
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.9	28.3
265	21.3	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.815 ng

RT: 28.551 min Scan# 41

Delta R.T. -0.076 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

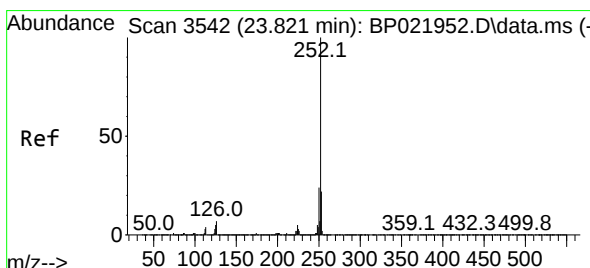
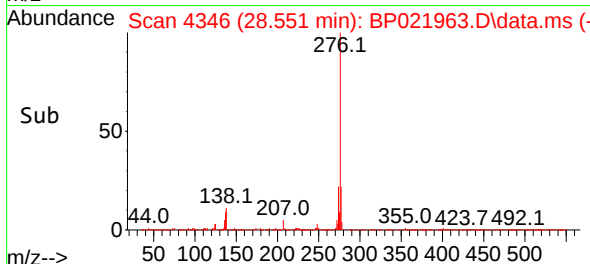
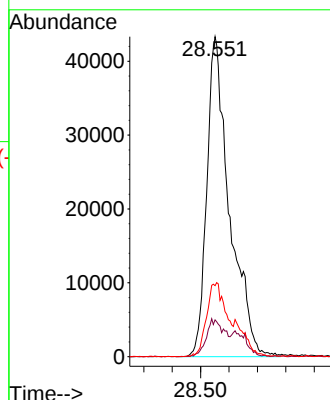
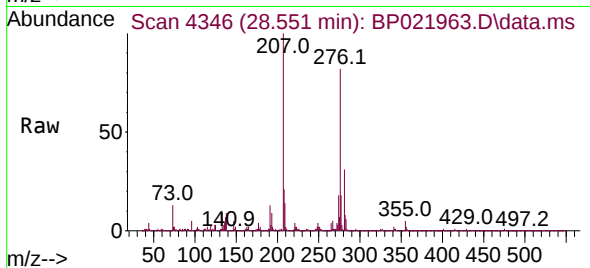
LOQ-SOIL-02-QT2-2024

Tgt Ion:	276	Resp:	24036
Ion Ratio	Lower	Upper	
276	100		
138	3.9	7.8	11.8
277	20.0	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#88

Benzo(b)fluoranthene

Concen: 4.504 ng m

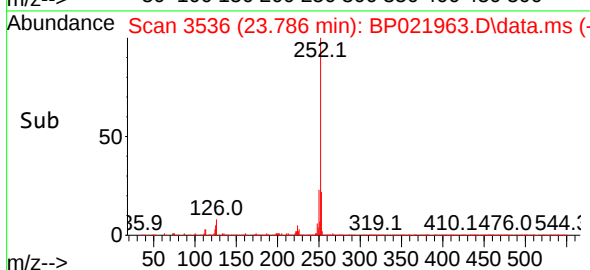
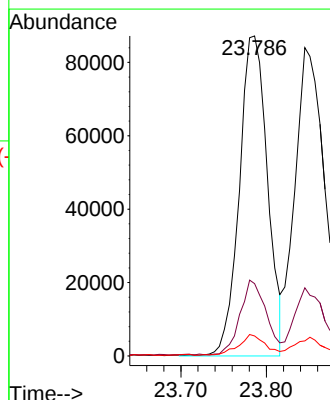
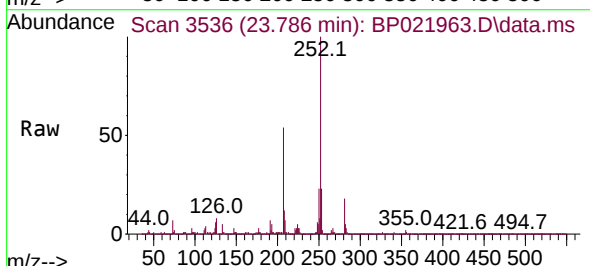
RT: 23.786 min Scan# 3536

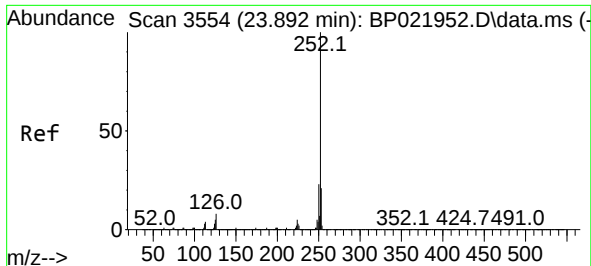
Delta R.T. -0.035 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

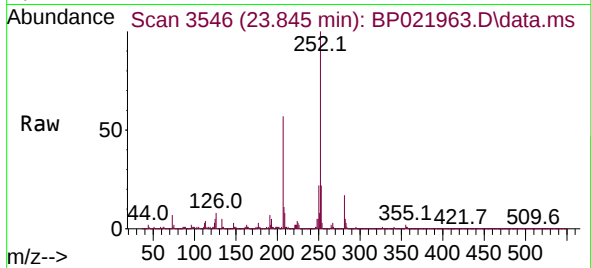
Tgt Ion:	252	Resp:	199947
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	6.2	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 4.837 ng
RT: 23.845 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

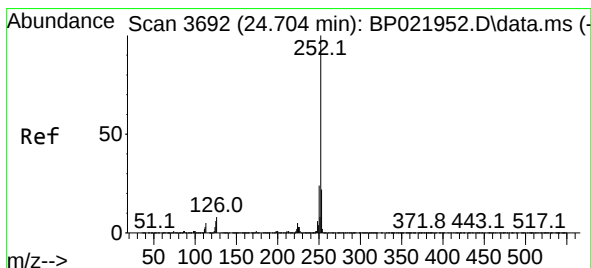
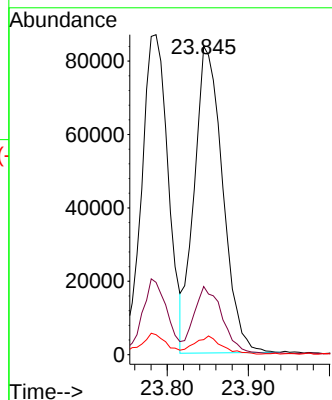
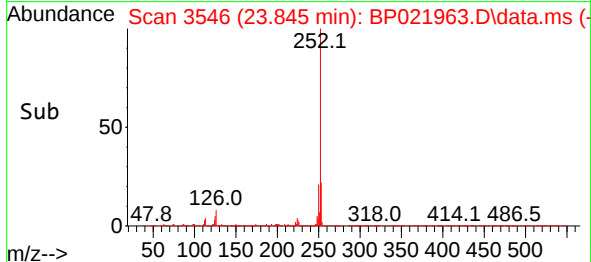
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:252 Resp: 203228
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 4.9 4.3 6.5

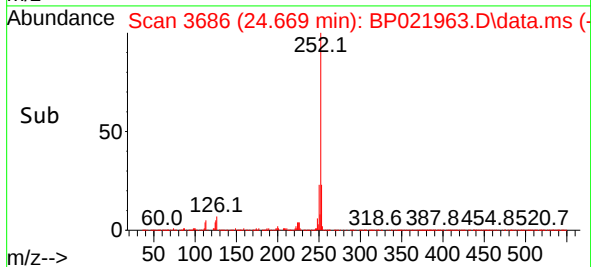
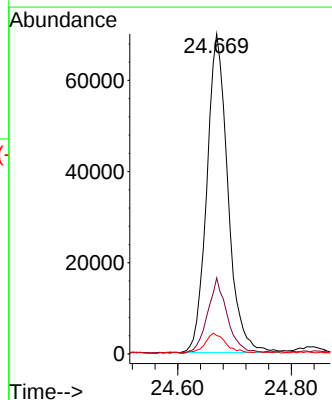
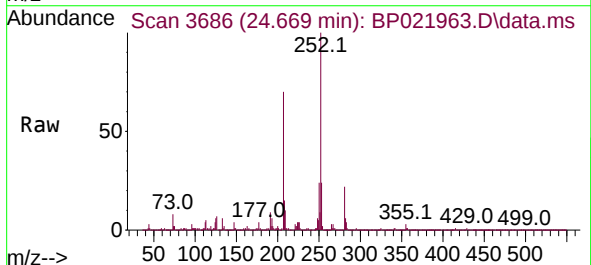
Manual Integrations
APPROVED

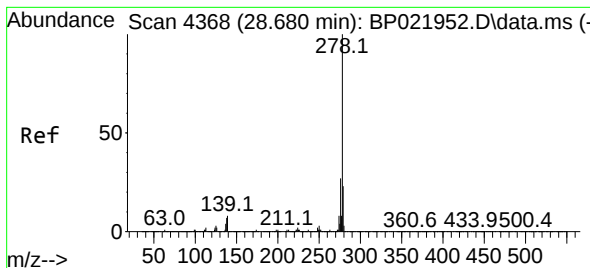
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#90
Benzo(a)pyrene
Concen: 4.694 ng
RT: 24.669 min Scan# 3686
Delta R.T. -0.035 min
Lab File: BP021963.D
Acq: 20 Sep 2024 11:49

Tgt Ion:252 Resp: 179516
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 5.8 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 4.796 ng

RT: 28.633 min Scan# 41

Delta R.T. -0.047 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Instrument :

BNA_P

ClientSampleId :

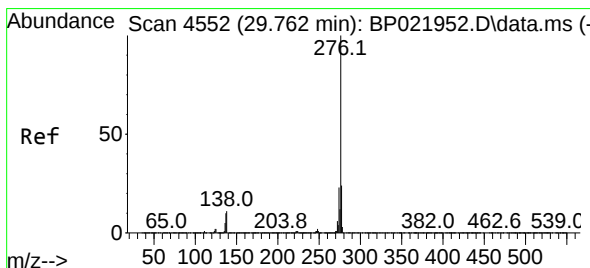
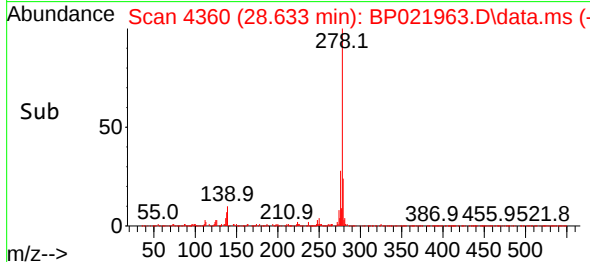
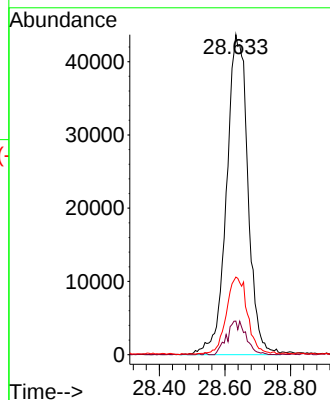
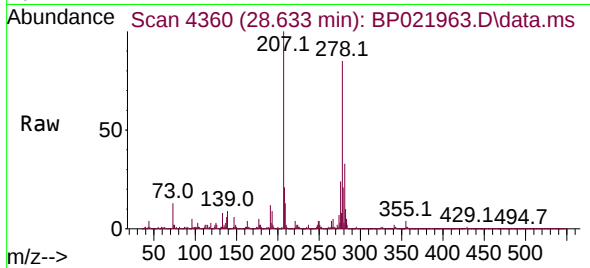
LOQ-SOIL-02-QT2-2024

Tgt Ion:	278	Resp:	197614
Ion Ratio	Lower	Upper	
278	100		
139	10.5	6.6	10.0
279	24.2	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/24/2024



#92

Benzo(g,h,i)perylene

Concen: 4.460 ng

RT: 29.698 min Scan# 4541

Delta R.T. -0.065 min

Lab File: BP021963.D

Acq: 20 Sep 2024 11:49

Tgt Ion:	276	Resp:	188242
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.3	28.9
138	13.9	9.2	13.8

