

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101363.D
 Acq On : 18 Sep 2024 14:47
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 18 16:46:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE091724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 17 16:03:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.577	152	187751	20.000	ng	0.00
21) Naphthalene-d8	10.344	136	896181	20.000	ng	0.00
39) Acenaphthene-d10	14.181	164	662923	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1554216	20.000	ng	0.00
76) Chrysene-d12	21.078	240	1790481	20.000	ng	0.00
86) Perylene-d12	23.376	264	2179414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	1260395	117.375	ng	0.00
7) Phenol-d6	6.954	99	1742897	114.494	ng	0.00
23) Nitrobenzene-d5	8.787	82	1207827	85.445	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	1405584	126.060	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	3149516	82.100	ng	0.00
79) Terphenyl-d14	19.515	244	4926747	61.013	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.235	88	16464	4.027	ng	99
3) Pyridine	3.846	79	34611m	2.939	ng	
4) n-Nitrosodimethylamine	3.658	42	17417m	4.116	ng	
6) Aniline	7.018	93	59970	4.696	ng	97
8) 2-Chlorophenol	7.218	128	49754	3.856	ng	94
9) Benzaldehyde	6.795	77	37684	5.386	ng	99
10) Phenol	6.977	94	55871	3.339	ng	88
11) bis(2-Chloroethyl)ether	7.048	93	50401m	3.559	ng	
12) 1,3-Dichlorobenzene	7.459	146	53598	3.865	ng	98
13) 1,4-Dichlorobenzene	7.606	146	54080	3.827	ng	98
14) 1,2-Dichlorobenzene	7.941	146	52844	3.774	ng	98
15) Benzyl Alcohol	7.923	79	46117	5.088	ng	# 84
16) 2,2'-oxybis(1-Chloropr...	8.070	45	73336	4.109	ng	97
17) 2-Methylphenol	8.158	107	37816	3.411	ng	99
18) Hexachloroethane	8.634	117	17169	3.716	ng	90
19) n-Nitroso-di-n-propyla...	8.381	70	38718	3.604	ng	98
20) 3+4-Methylphenols	8.499	107	49722	3.187	ng	95
22) Acetophenone	8.434	105	80012	3.850	ng	# 97
24) Nitrobenzene	8.828	77	62881	4.167	ng	98
25) Isophorone	9.280	82	110648	3.824	ng	98
26) 2-Nitrophenol	9.515	139	24791	3.481	ng	96
27) 2,4-Dimethylphenol	9.633	122	22553	2.466	ng	95
28) bis(2-Chloroethoxy)met...	9.786	93	68165	3.894	ng	95
29) 2,4-Dichlorophenol	10.062	162	43868	3.503	ng	95
30) 1,2,4-Trichlorobenzene	10.185	180	51750	3.824	ng	99
31) Naphthalene	10.391	128	179160	3.962	ng	100
32) Benzoic acid	9.809	122	14366m	8.592	ng	
33) 4-Chloroaniline	10.620	127	66563	3.848	ng	98
34) Hexachlorobutadiene	10.638	225	30349	3.860	ng	94
35) Caprolactam	11.425	113	16540m	3.270	ng	
36) 4-Chloro-3-methylphenol	11.789	107	50244	3.396	ng	96
37) 2-Methylnaphthalene	11.983	142	128888	3.897	ng	96
38) 1-Methylnaphthalene	12.206	142	120257	3.625	ng	96
40) 1,2,4,5-Tetrachloroben...	12.336	216	62174	3.893	ng	100
41) Hexachlorocyclopentadiene	12.318	237	11664	2.223	ng	97
43) 2,4,6-Trichlorophenol	12.659	196	39139	3.461	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	42830	3.356	ng	95
46) 1,1'-Biphenyl	13.011	154	188705	4.201	ng	97
47) 2-Chloronaphthalene	13.058	162	134480	3.806	ng	97
48) 2-Nitroaniline	13.387	65	28479	2.995	ng	95
49) Acenaphthylene	13.916	152	214395	4.066	ng	98
50) Dimethylphthalate	13.687	163	188486	3.940	ng	99
51) 2,6-Dinitrotoluene	13.822	165	34691	3.241	ng	97
52) Acenaphthene	14.245	154	132709	3.818	ng	97
53) 3-Nitroaniline	14.233	138	34032	3.090	ng	# 88
54) 2,4-Dinitrophenol	14.369	184	12844	2.015	ng	96
55) Dibenzofuran	14.586	168	224148	4.083	ng	96
56) 4-Nitrophenol	14.651	139	29739m	3.248	ng	
57) 2,4-Dinitrotoluene	14.609	165	43003	2.951	ng	# 98
58) Fluorene	15.226	166	181085	3.914	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.856	232	43747	3.625	ng	99
60) Diethylphthalate	15.009	149	195735	3.944	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	88053	3.880	ng	98
62) 4-Nitroaniline	15.420	138	31891	2.779	ng	97
63) Azobenzene	15.508	77	165920	3.912	ng	97
65) 4,6-Dinitro-2-methylph...	15.344	198	20727	2.349	ng	91
66) n-Nitrosodiphenylamine	15.461	169	159815	3.858	ng	100
67) 4-Bromophenyl-phenylether	16.102	248	59542	3.688	ng	99
68) Hexachlorobenzene	16.202	284	76154	3.649	ng	99
69) Atrazine	16.396	200	60104	4.393	ng	99
70) Pentachlorophenol	16.613	266	36506	2.928	ng	99
71) Phenanthrene	16.960	178	313531	4.247	ng	98
72) Anthracene	17.048	178	277993	3.870	ng	96
73) Carbazole	17.377	167	294241	3.997	ng	98
74) Di-n-butylphthalate	17.829	149	338801	4.192	ng	# 95
75) Fluoranthene	18.963	202	379375	4.269	ng	94
77) Benzidine	19.222	184	90639	3.050	ng	99
78) Pyrene	19.333	202	412316	4.140	ng	93
80) Butylbenzylphthalate	20.185	149	171479	3.890	ng	96
81) Benzo(a)anthracene	21.061	228	444058	4.416	ng	91
82) 3,3'-Dichlorobenzidine	21.037	252	148282	3.764	ng	98
83) Chrysene	21.114	228	425128	4.401	ng	91
84) Bis(2-ethylhexyl)phtha...	20.890	149	232336	3.985	ng	# 93
85) Di-n-octyl phthalate	21.736	149	415114	4.362	ng	99
87) Indeno(1,2,3-cd)pyrene	25.679	276	579140	4.033	ng	97
88) Benzo(b)fluoranthene	22.659	252	451819	4.003	ng	93
89) Benzo(k)fluoranthene	22.700	252	471083	4.422	ng	93
90) Benzo(a)pyrene	23.258	252	421448	4.231	ng	97
91) Dibenzo(a,h)anthracene	25.673	278	486017	4.043	ng	97
92) Benzo(g,h,i)perylene	26.425	276	451400	3.698	ng	96

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

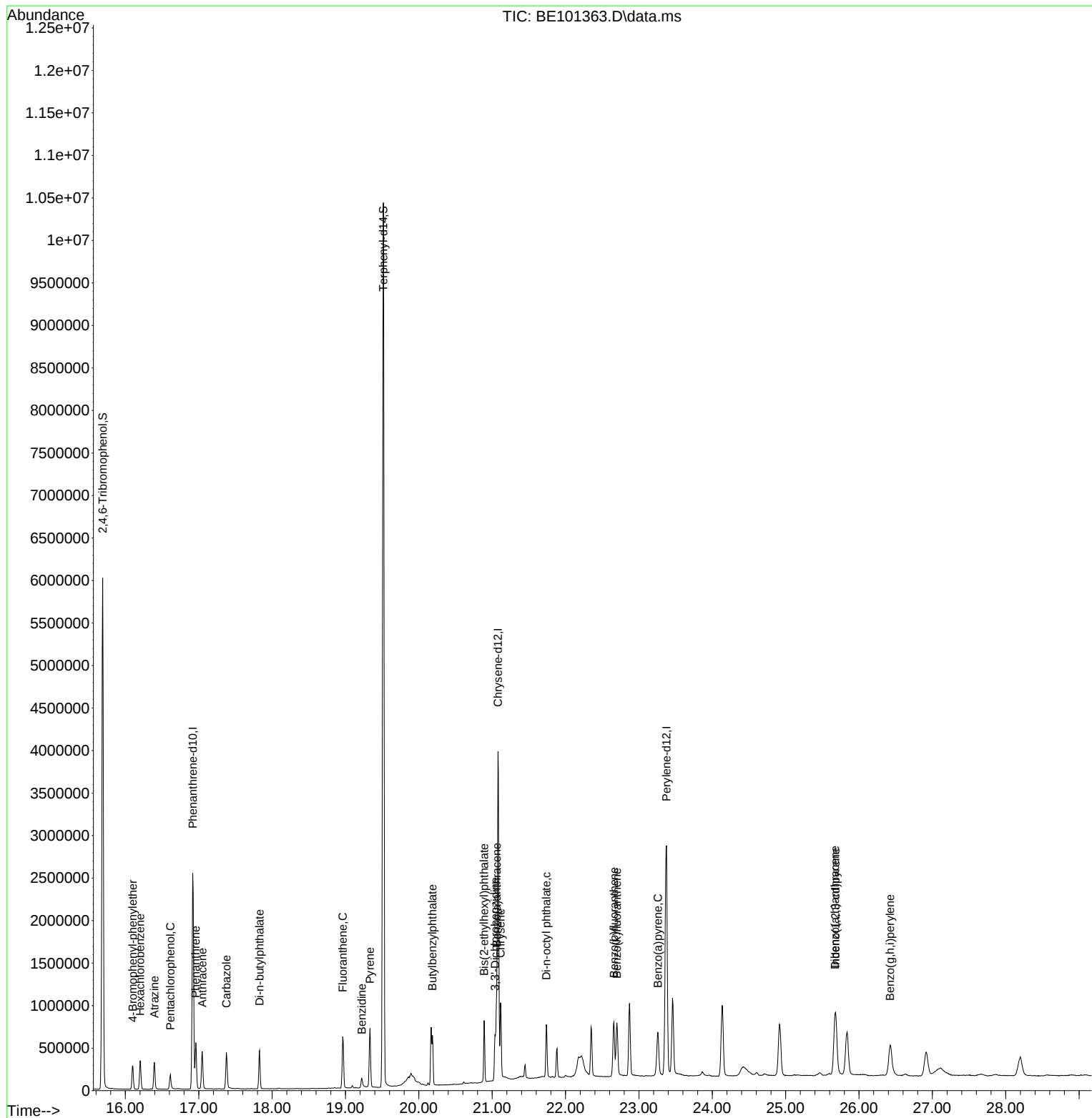
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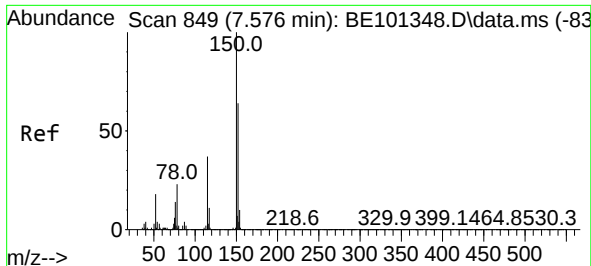
Instrument :
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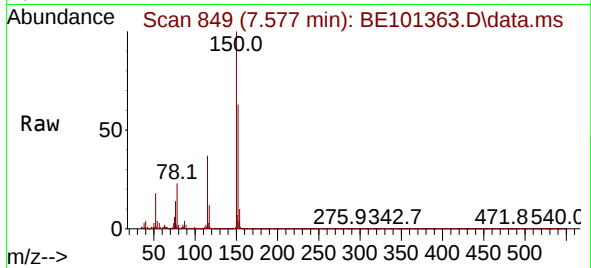
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.577 min Scan# 849
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

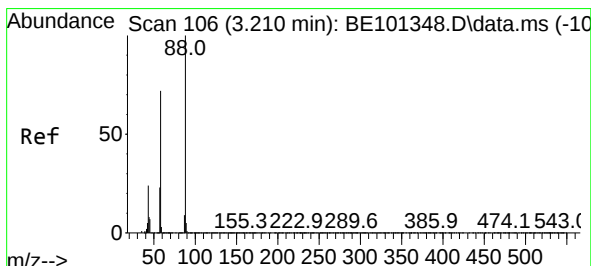
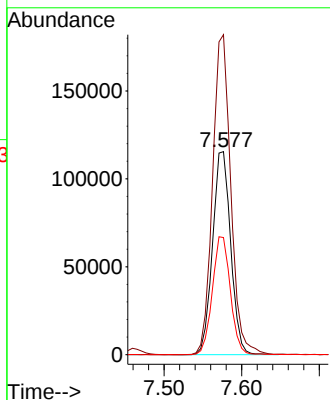
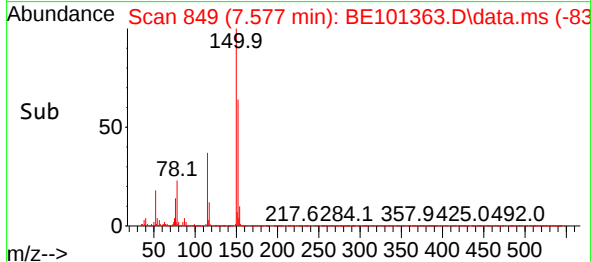
Instrument :
BNA_E
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LOD-MDL-SOIL-01-QT2-2024



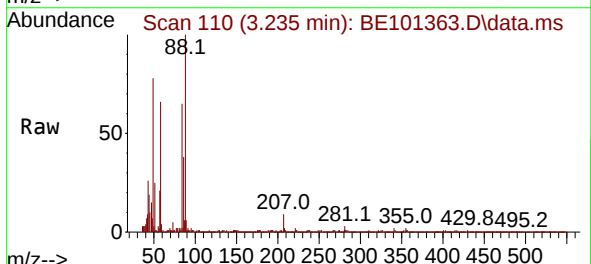
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Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 57.7 46.9 70.3

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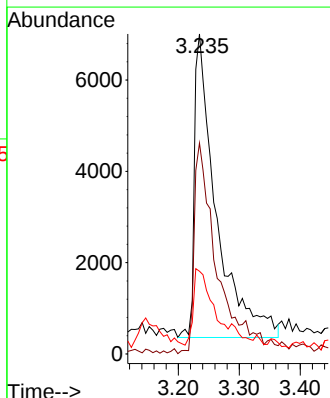
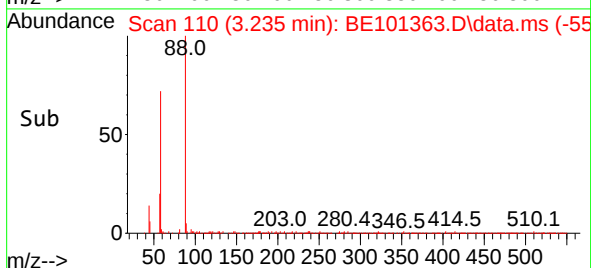
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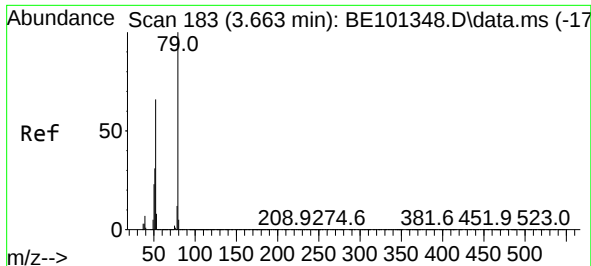


#2
1,4-Dioxane
Concen: 4.027 ng
RT: 3.235 min Scan# 110
Delta R.T. 0.024 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



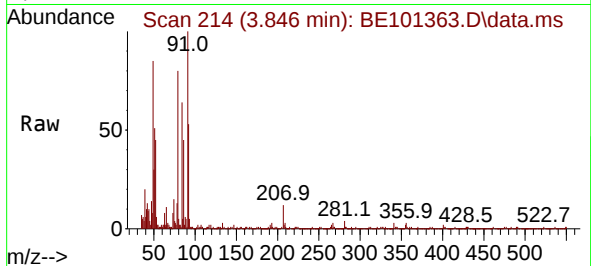
Tgt Ion: 88 Resp: 16464
Ion Ratio Lower Upper
88 100
58 74.1 58.8 88.2
43 26.1 19.4 29.2





#3
Pyridine
Concen: 2.939 ng m
RT: 3.846 min Scan# 214
Delta R.T. 0.183 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

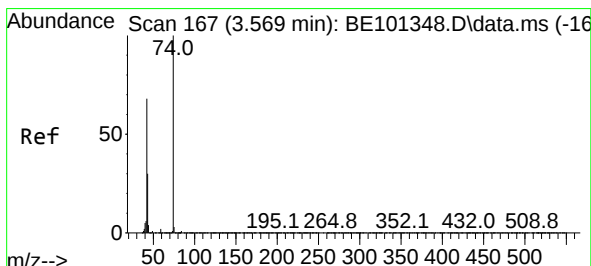
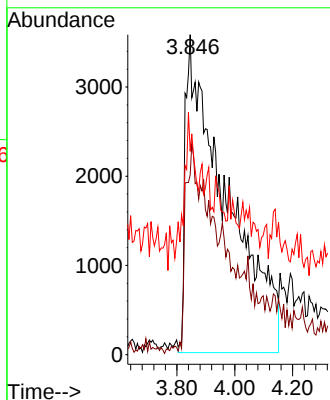
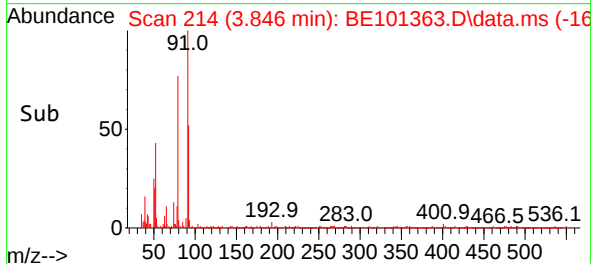
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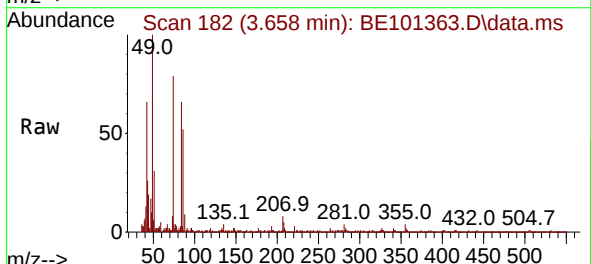
Tgt Ion: 79 Resp: 3461
Ion Ratio Lower Upper
79 100
52 56.2 52.6 78.8
51 63.5 26.2 39.2

Manual Integrations
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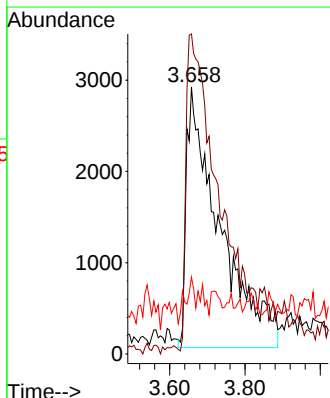
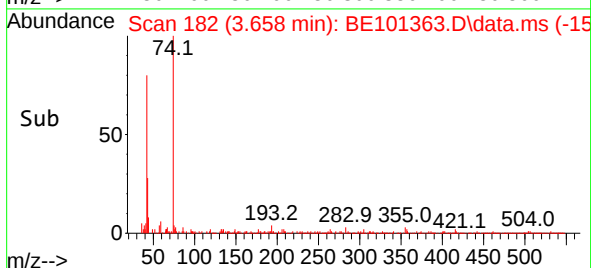
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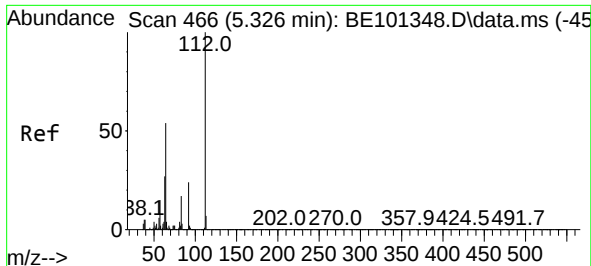


#4
n-Nitrosodimethylamine
Concen: 4.116 ng m
RT: 3.658 min Scan# 182
Delta R.T. 0.089 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



Tgt Ion: 42 Resp: 17417
Ion Ratio Lower Upper
42 100
74 119.9 117.0 175.4
44 28.8 5.9 8.9





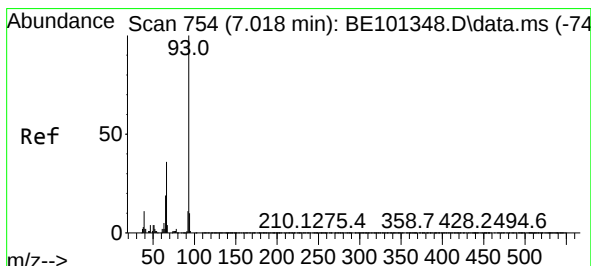
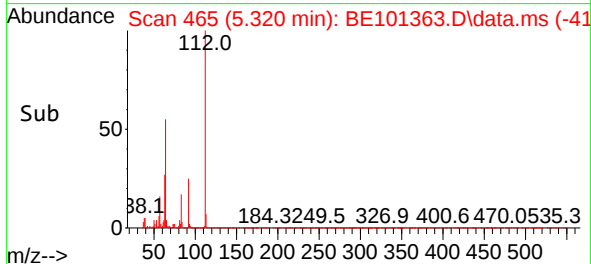
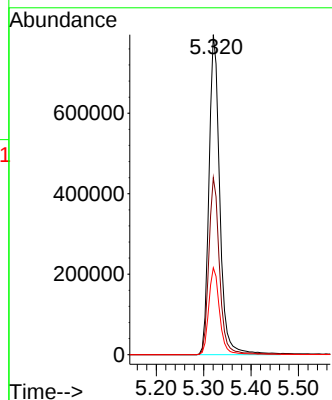
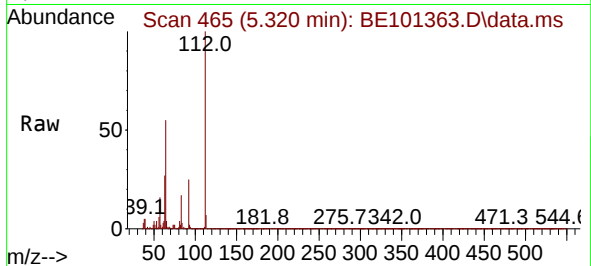
#5
2-Fluorophenol
Concen: 117.375 ng
RT: 5.320 min Scan# 466
Delta R.T. -0.005 min
Lab File: BE101363.D
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Instrument :
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Tgt Ion:112 Resp: 126039
Ion Ratio Lower Upper
112 100
64 55.3 42.8 64.2
63 27.1 21.3 31.9

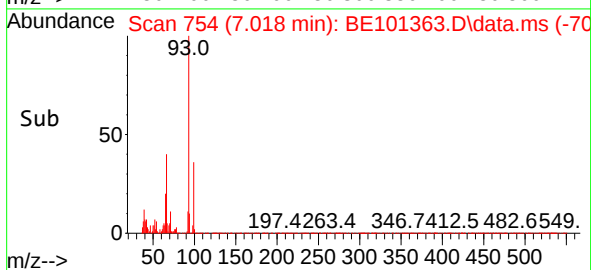
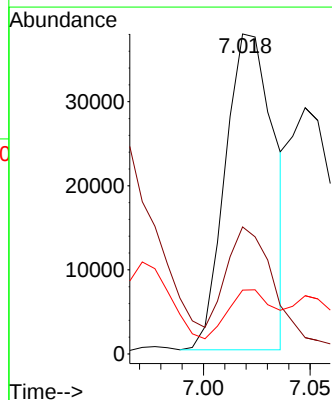
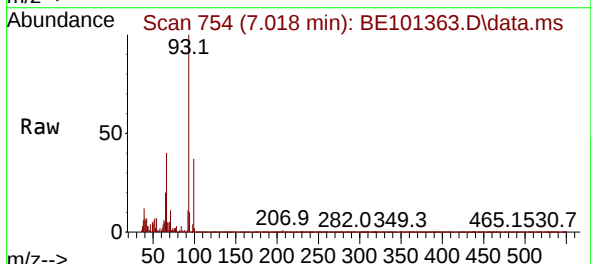
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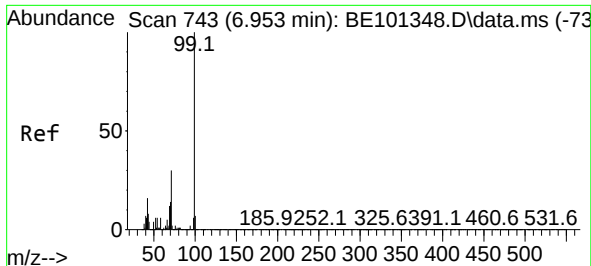
Reviewed By :Jagrut Upadhyay 09/19/2024
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#6
Aniline
Concen: 4.696 ng
RT: 7.018 min Scan# 754
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

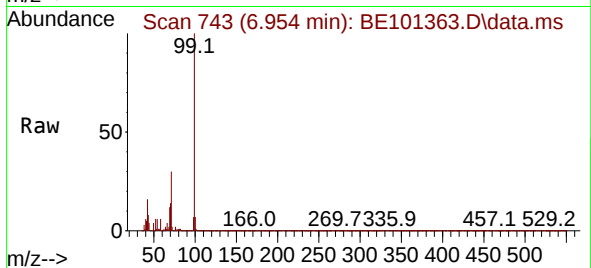
Tgt Ion: 93 Resp: 59970
Ion Ratio Lower Upper
93 100
66 39.7 30.0 45.0
65 20.0 15.8 23.8





#7
Phenol-d6
Concen: 114.494 ng
RT: 6.954 min Scan# 743
Delta R.T. 0.001 min
Lab File: BE101363.D
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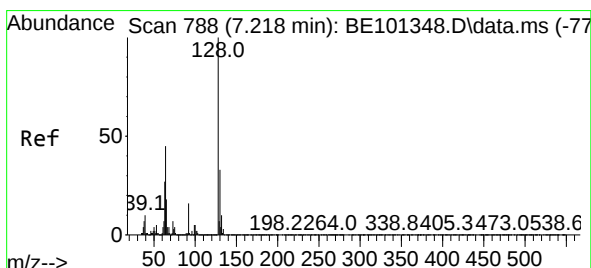
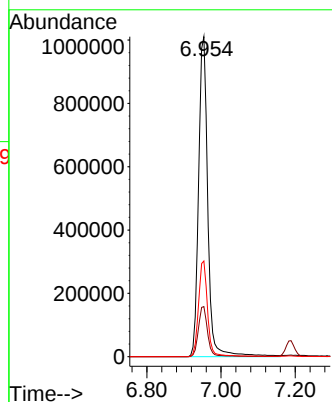
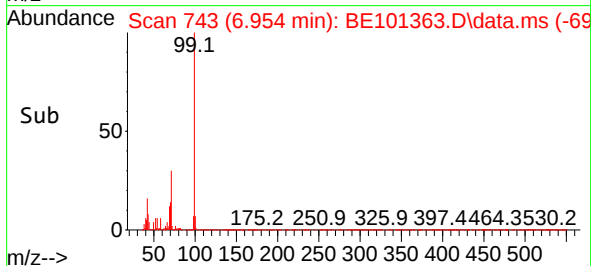
Instrument :
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Tgt Ion: 99 Resp: 174289
Ion Ratio Lower Upper
99 100
42 15.7 12.8 19.2
71 29.9 23.8 35.6

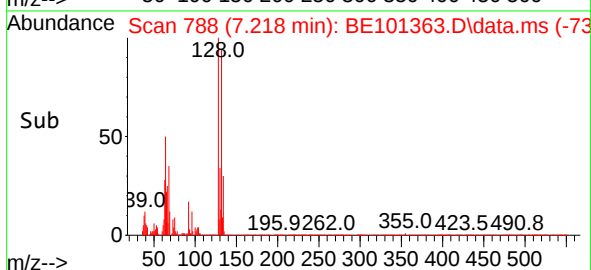
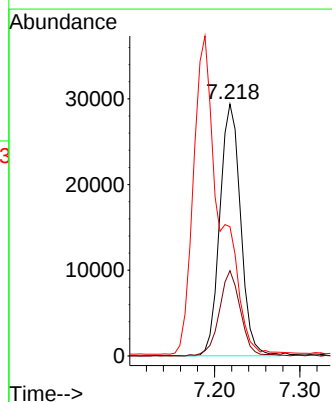
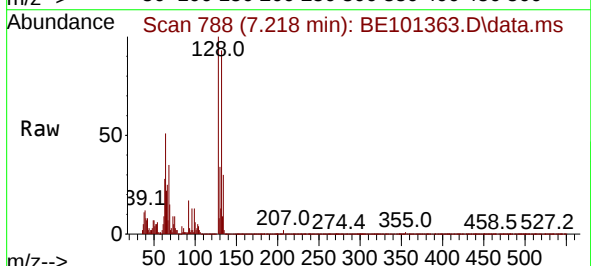
Manual Integrations
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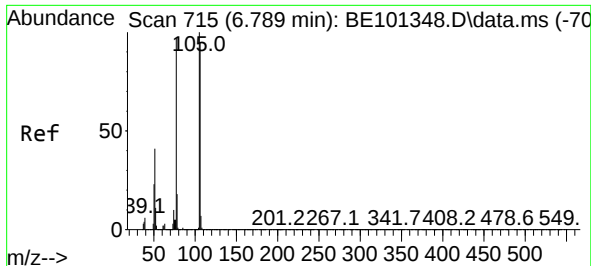
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#8
2-Chlorophenol
Concen: 3.856 ng
RT: 7.218 min Scan# 788
Delta R.T. 0.001 min
Lab File: BE101363.D
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Tgt Ion:128 Resp: 49754
Ion Ratio Lower Upper
128 100
130 33.9 12.8 52.8
64 51.3 24.9 64.9





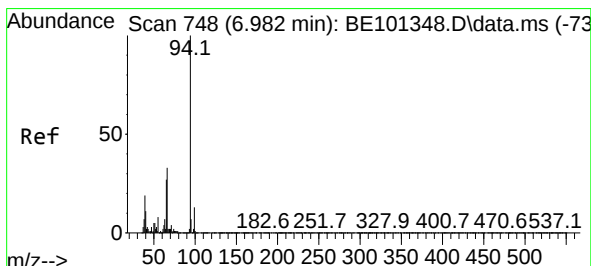
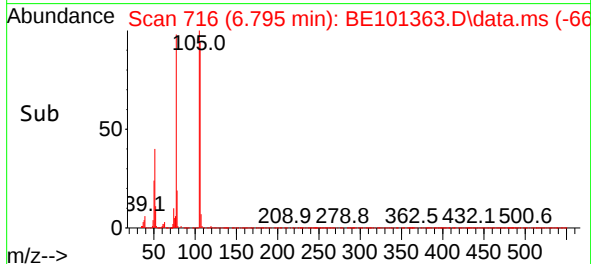
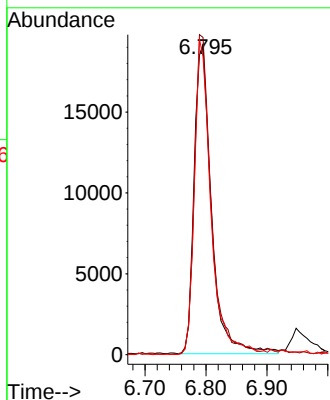
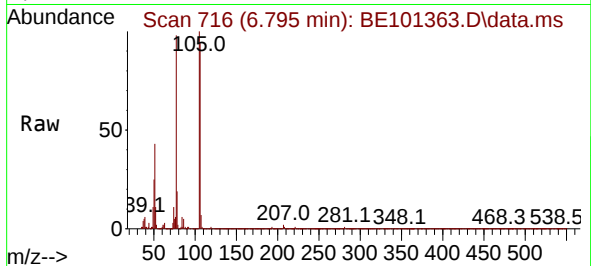
#9
Benzaldehyde
Concen: 5.386 ng
RT: 6.795 min Scan# 715
Delta R.T. 0.006 min
Lab File: BE101363.D
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BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77 Resp: 37684
Ion Ratio Lower Upper
77 100
105 102.3 82.8 122.8
106 96.1 77.9 117.9

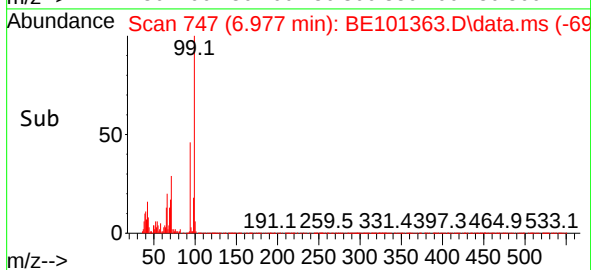
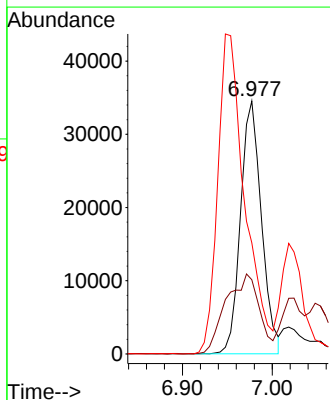
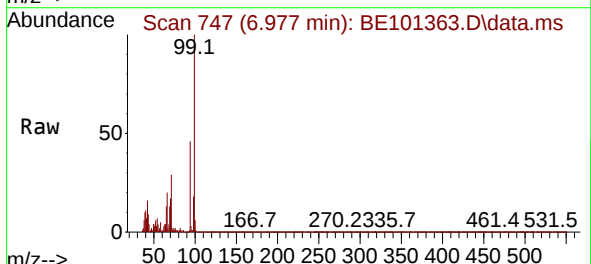
Manual Integrations
APPROVED

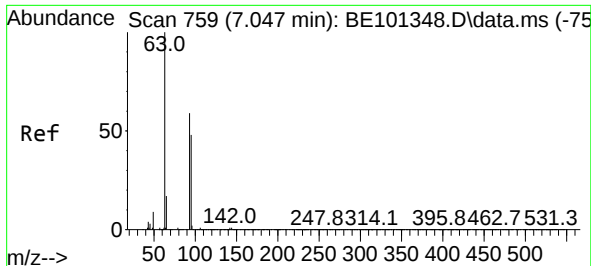
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#10
Phenol
Concen: 3.339 ng
RT: 6.977 min Scan# 747
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

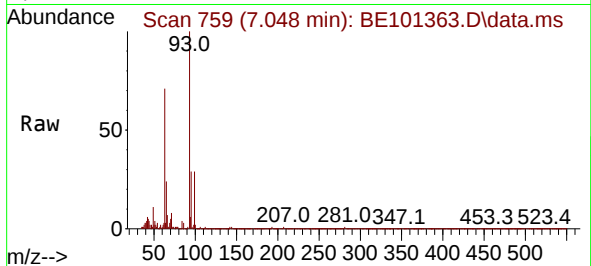
Tgt Ion: 94 Resp: 55871
Ion Ratio Lower Upper
94 100
65 29.4 7.1 47.1
66 43.9 13.1 53.1





#11
bis(2-Chloroethyl)ether
Concen: 3.559 ng m
RT: 7.048 min Scan# 7
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

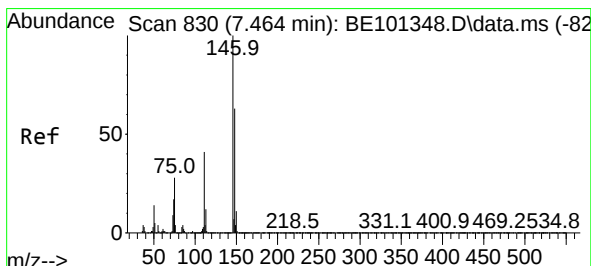
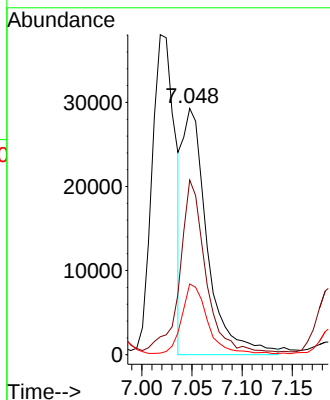
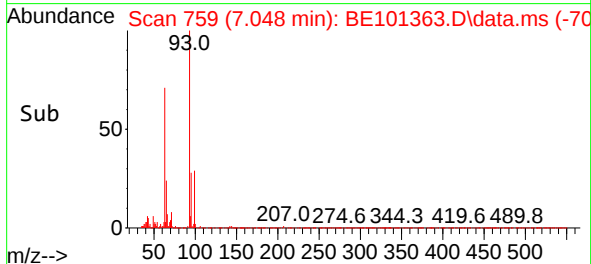
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 93 Resp: 5040
Ion Ratio Lower Upper
93 100
63 70.9 43.7 83.7
95 28.7 8.7 48.7

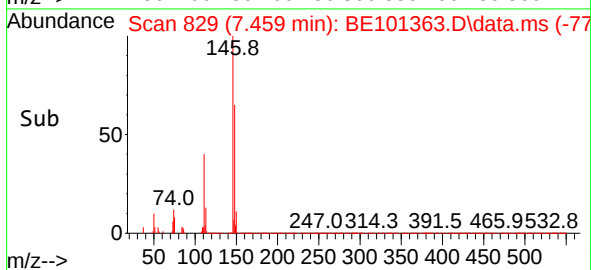
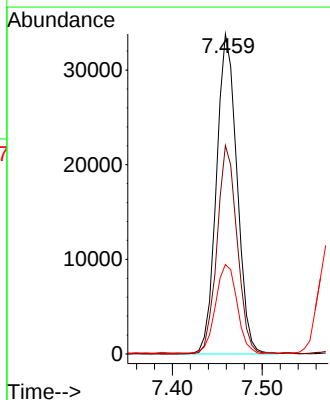
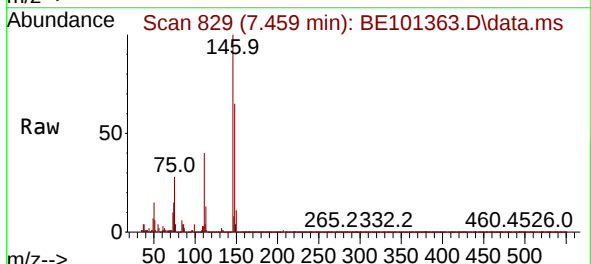
Manual Integrations
APPROVED

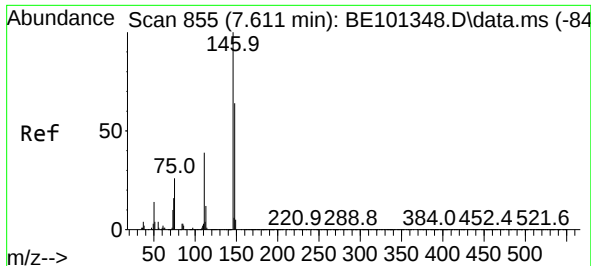
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#12
1,3-Dichlorobenzene
Concen: 3.865 ng
RT: 7.459 min Scan# 829
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:146 Resp: 53598
Ion Ratio Lower Upper
146 100
148 65.2 50.8 76.2
75 27.9 22.1 33.1





#13

1,4-Dichlorobenzene

Concen: 3.827 ng

RT: 7.606 min Scan# 855

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

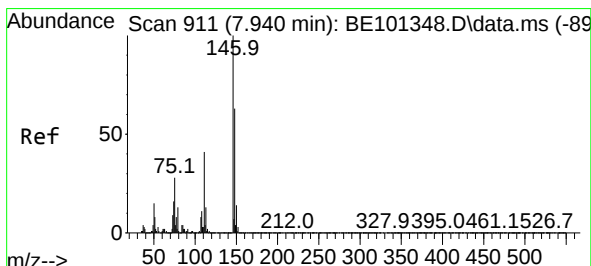
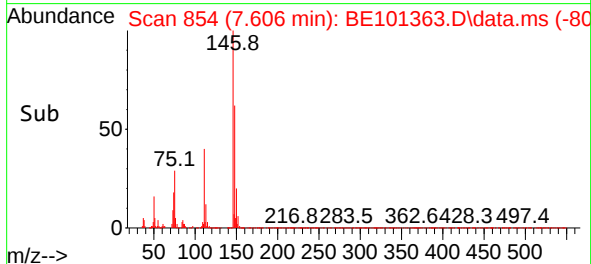
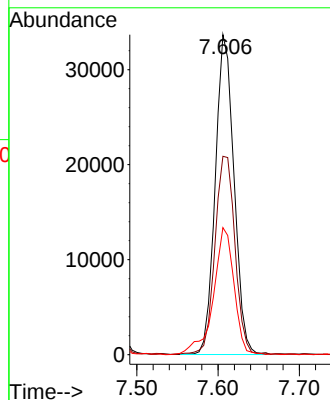
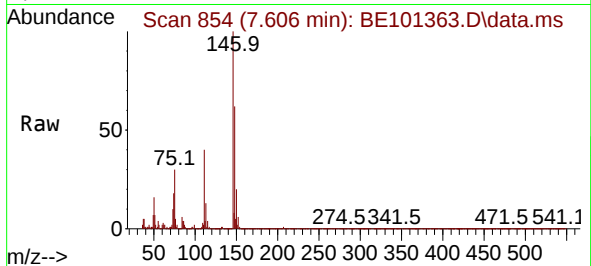
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	146	Resp:	54080
Ion Ratio	Lower	Upper	
146	100		
148	62.0	51.1	76.7
111	39.7	31.1	46.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#14

1,2-Dichlorobenzene

Concen: 3.774 ng

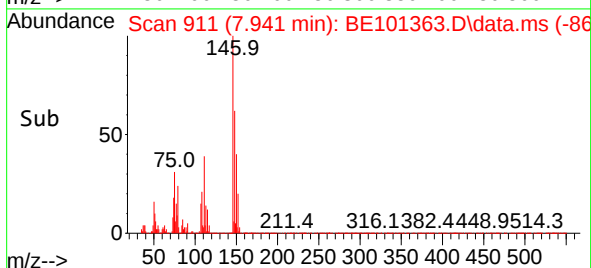
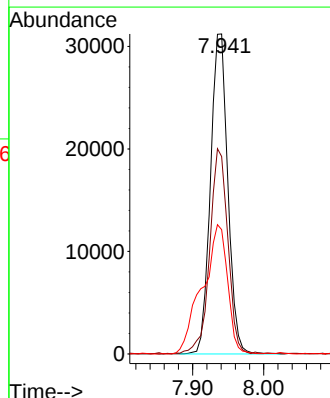
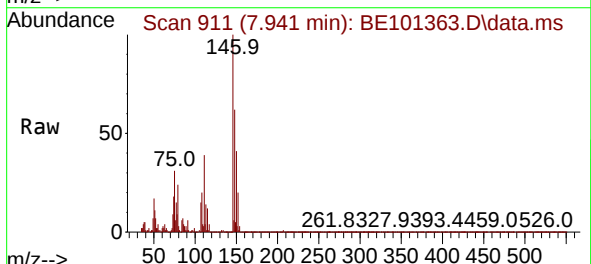
RT: 7.941 min Scan# 911

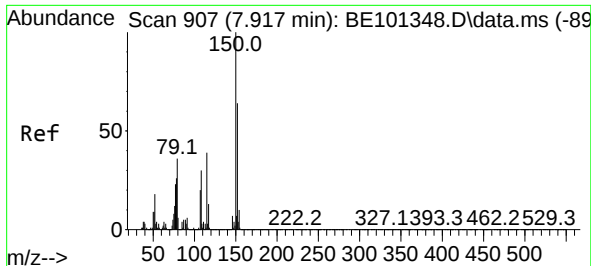
Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

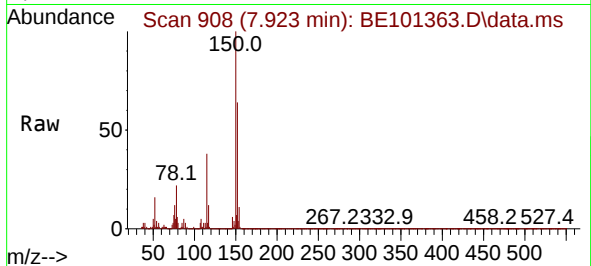
Tgt Ion:	146	Resp:	52844
Ion Ratio	Lower	Upper	
146	100		
148	61.7	50.4	75.6
111	38.8	32.6	48.8





#15
Benzyl Alcohol
Concen: 5.088 ng
RT: 7.923 min Scan# 907
Delta R.T. 0.006 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

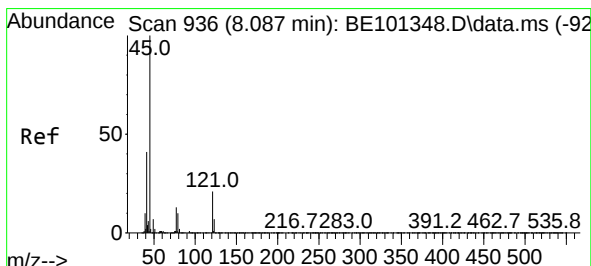
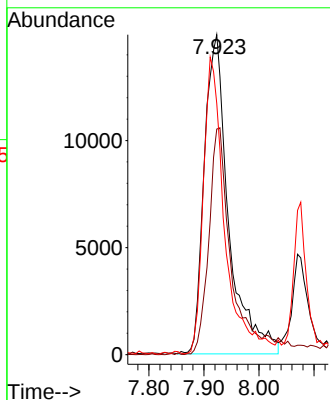
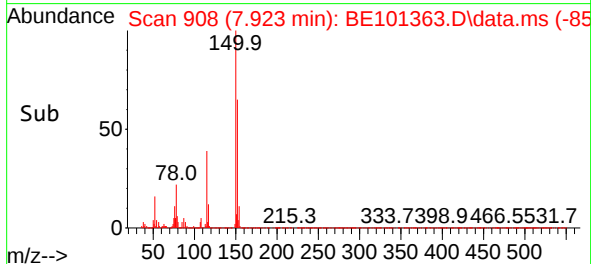
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



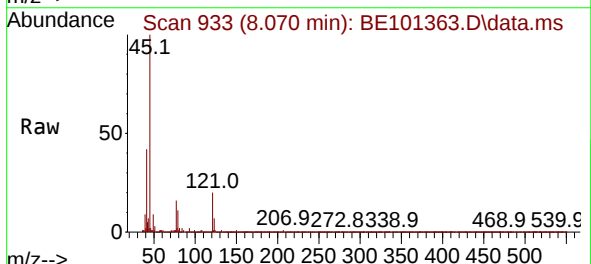
Tgt Ion: 79 Resp: 4611
Ion Ratio Lower Upper
79 100
108 70.5 66.0 99.0
77 78.5 51.0 76.6

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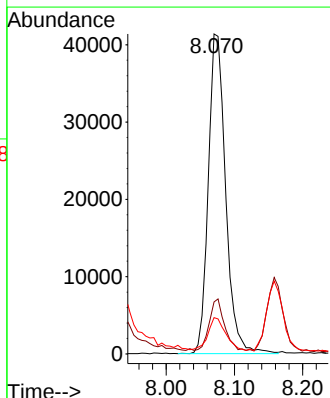
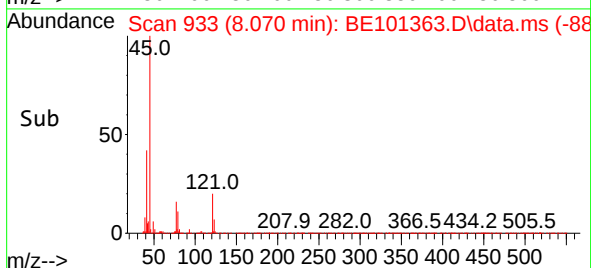
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

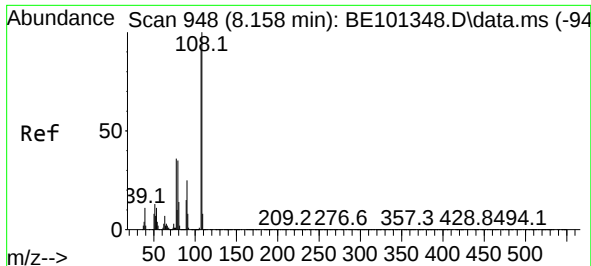


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.109 ng
RT: 8.070 min Scan# 933
Delta R.T. -0.017 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



Tgt Ion: 45 Resp: 73336
Ion Ratio Lower Upper
45 100
77 16.3 0.0 34.3
79 11.3 0.0 31.6





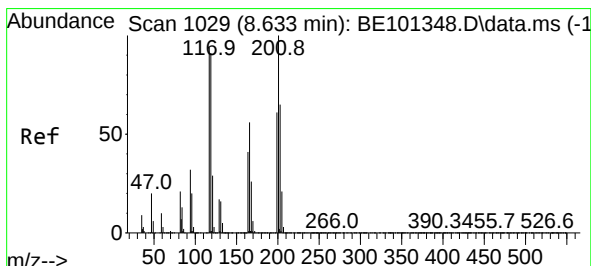
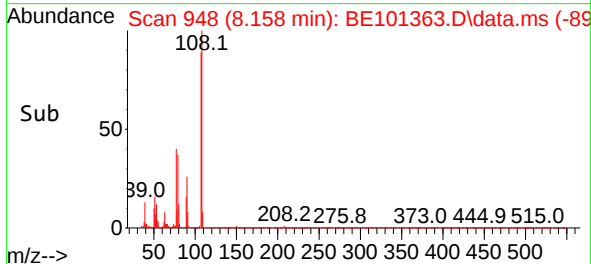
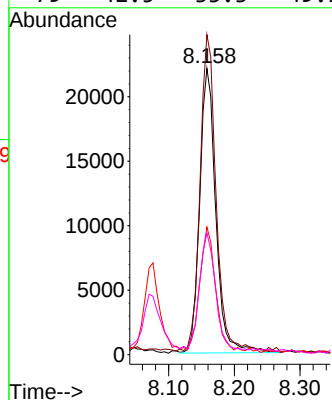
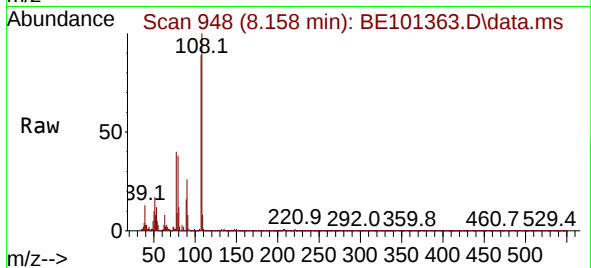
#17
2-Methylphenol
Concen: 3.411 ng
RT: 8.158 min Scan# 948
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	107	Resp:	37810
Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.2	132.2
77	44.6	34.9	52.3
79	42.5	33.3	49.9

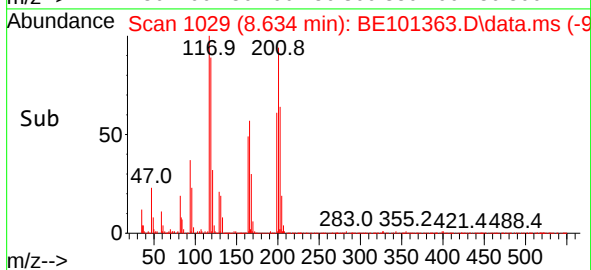
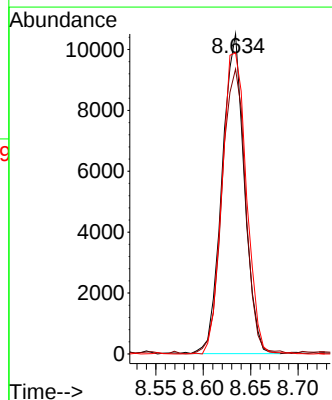
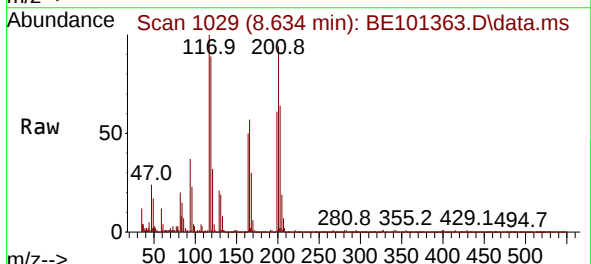
Manual Integrations
APPROVED

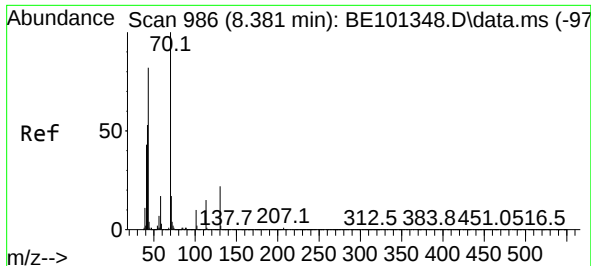
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#18
Hexachloroethane
Concen: 3.716 ng
RT: 8.634 min Scan# 1029
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

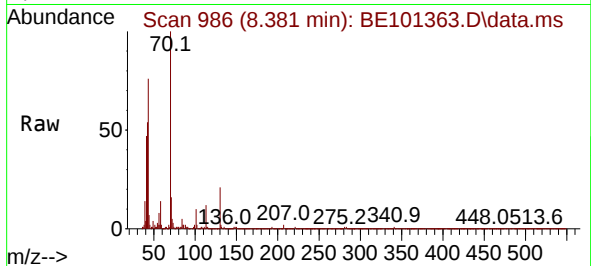
Tgt Ion:	117	Resp:	17169
Ion	Ratio	Lower	Upper
117	100		
119	89.1	77.4	116.2
201	94.1	84.8	127.2





#19
n-Nitroso-di-n-propylamine
Concen: 3.604 ng
RT: 8.381 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

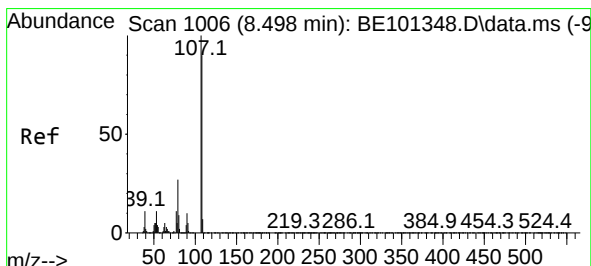
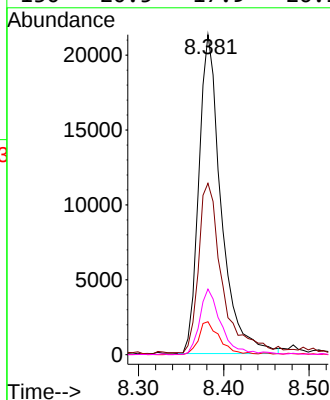
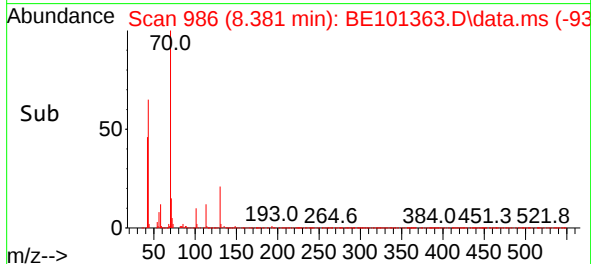
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



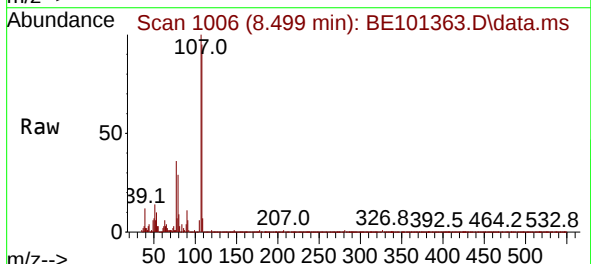
Tgt Ion: 70 Resp: 38718
Ion Ratio Lower Upper
70 100
42 53.6 42.5 63.7
101 10.3 7.8 11.6
130 20.5 17.9 26.9

Manual Integrations
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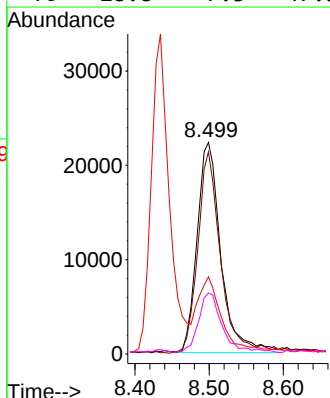
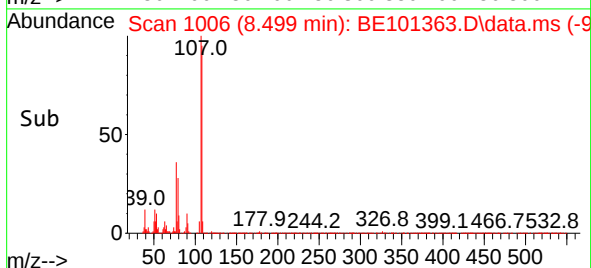
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

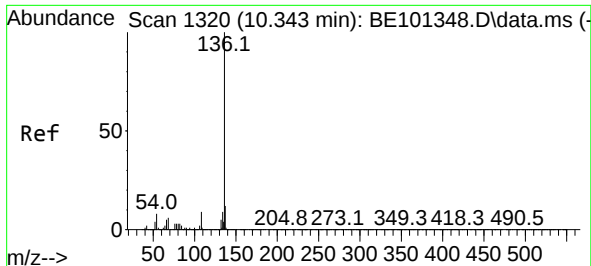


#20
3+4-Methylphenols
Concen: 3.187 ng
RT: 8.499 min Scan# 1006
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



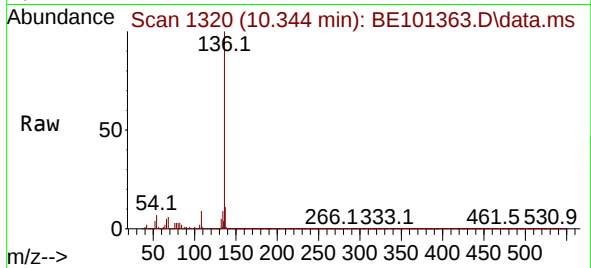
Tgt Ion:107 Resp: 49722
Ion Ratio Lower Upper
107 100
108 95.5 70.4 110.4
77 36.5 12.5 52.5
79 28.8 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.344 min Scan# 11
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

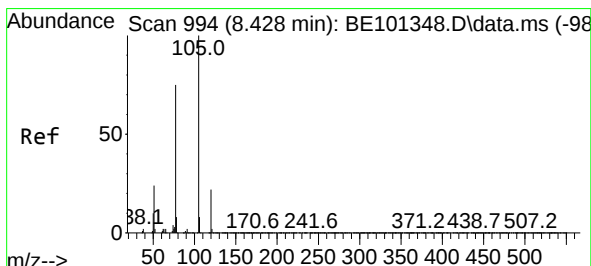
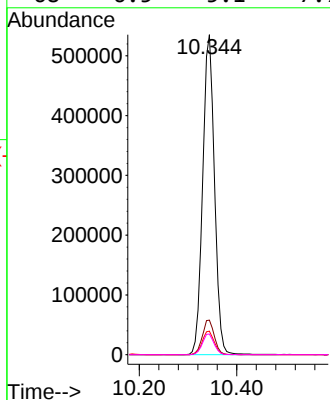
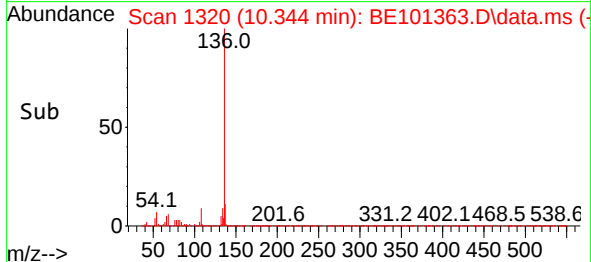
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:136 Resp: 89618
Ion Ratio Lower Upper
136 100
137 10.8 9.3 13.9
54 7.3 6.1 9.1
68 6.5 5.1 7.7

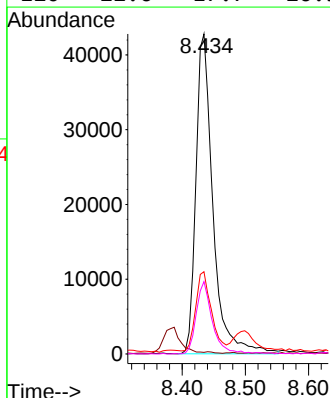
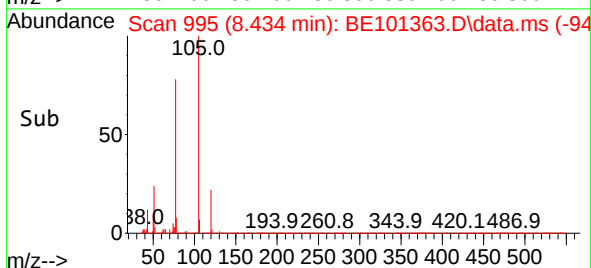
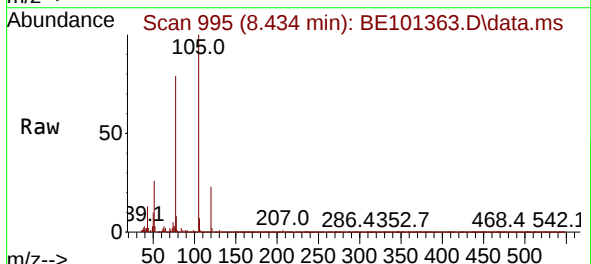
Manual Integrations
APPROVED

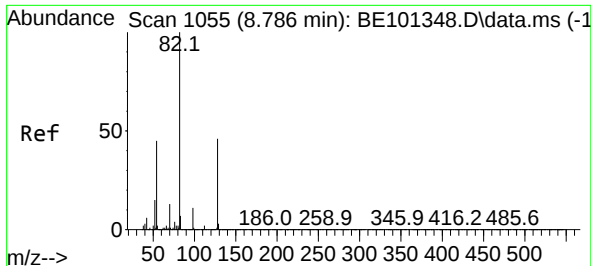
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#22
Acetophenone
Concen: 3.850 ng
RT: 8.434 min Scan# 995
Delta R.T. 0.006 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

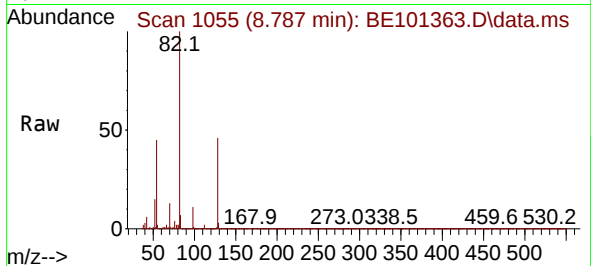
Tgt Ion:105 Resp: 80012
Ion Ratio Lower Upper
105 100
71 0.5 0.1 0.1#
51 25.7 19.0 28.4
120 22.6 17.7 26.5





#23
Nitrobenzene-d5
Concen: 85.445 ng
RT: 8.787 min Scan# 1055
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

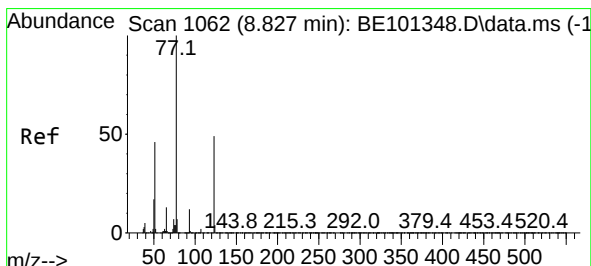
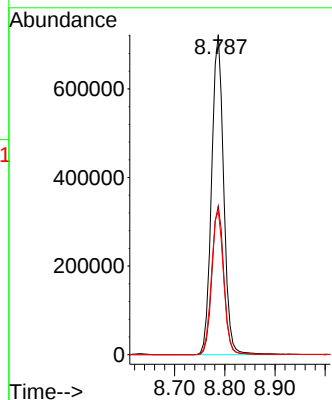
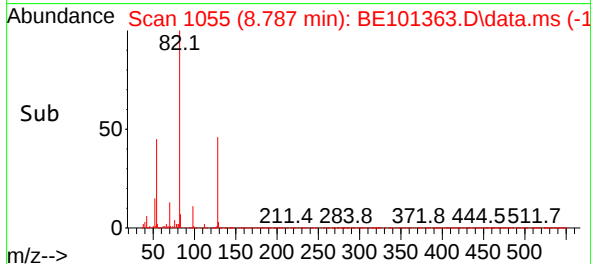
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 82 Resp: 120782
Ion Ratio Lower Upper
82 100
128 46.5 36.8 55.2
54 44.9 36.2 54.4

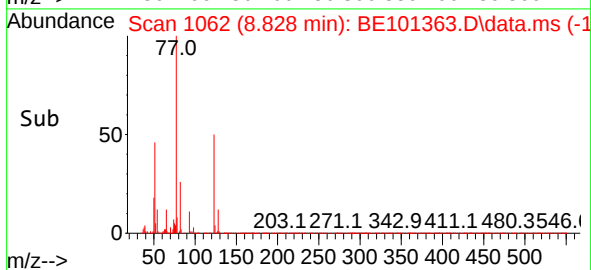
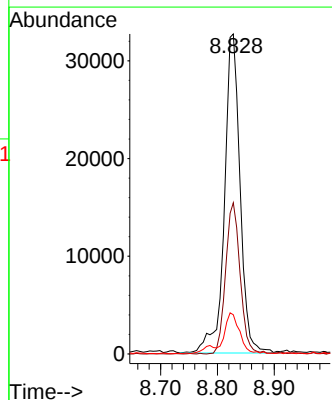
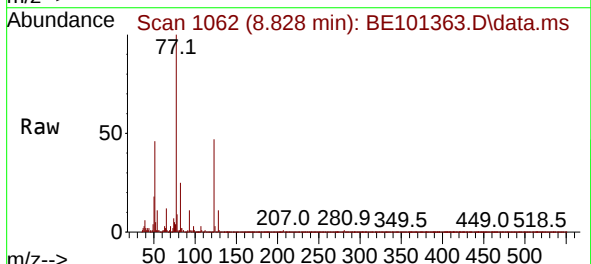
Manual Integrations
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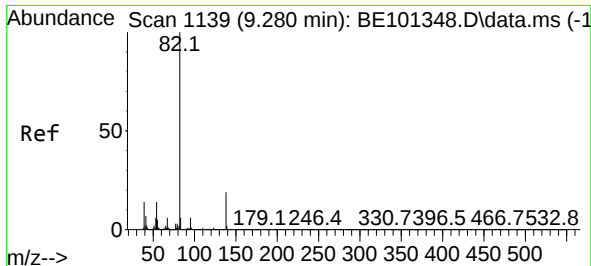
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#24
Nitrobenzene
Concen: 4.167 ng
RT: 8.828 min Scan# 1062
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

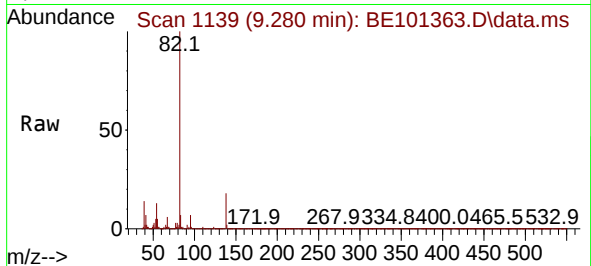
Tgt Ion: 77 Resp: 62881
Ion Ratio Lower Upper
77 100
123 47.2 39.0 58.4
65 12.3 10.2 15.4





#25
Isophorone
Concen: 3.824 ng
RT: 9.280 min Scan# 1139
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

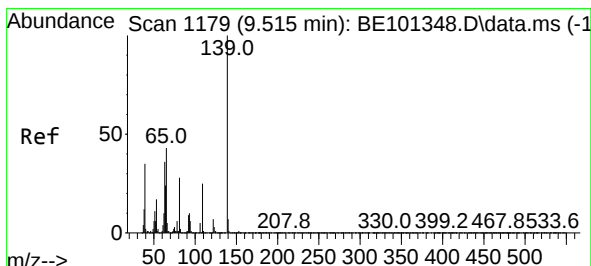
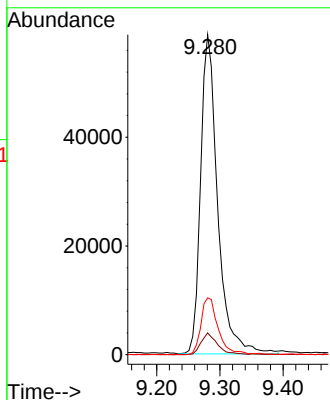
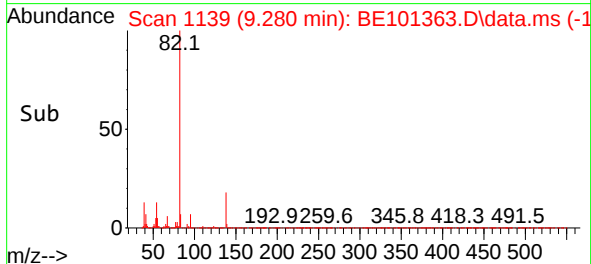
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 82 Resp: 110648
Ion Ratio Lower Upper
82 100
95 6.8 5.2 7.8
138 17.7 15.0 22.6

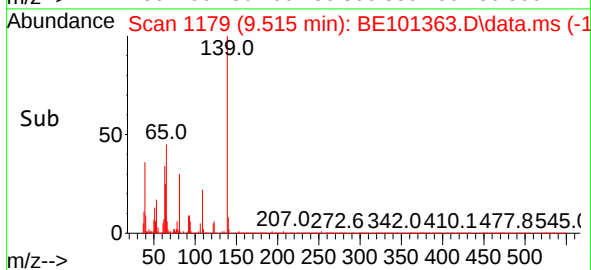
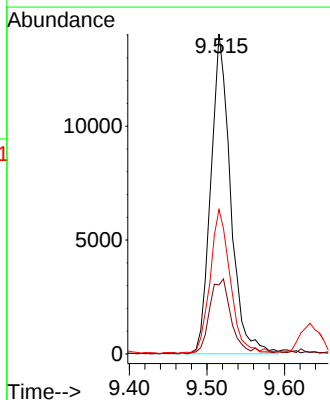
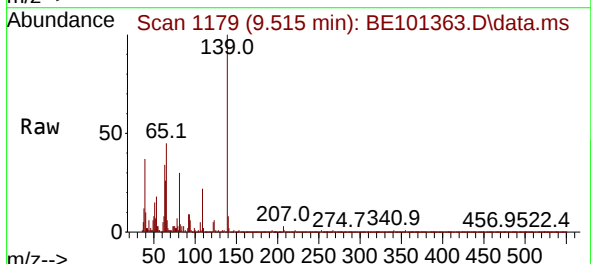
Manual Integrations
APPROVED

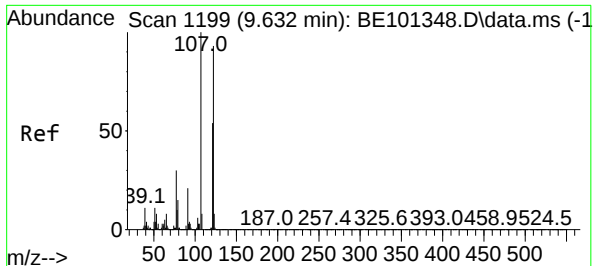
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#26
2-Nitrophenol
Concen: 3.481 ng
RT: 9.515 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

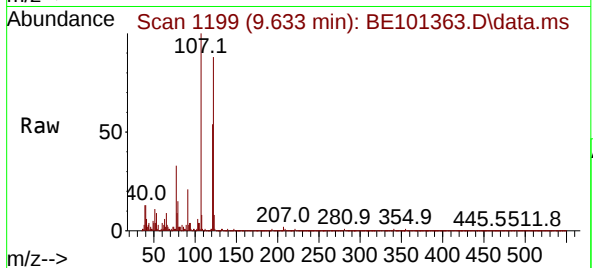
Tgt Ion:139 Resp: 24791
Ion Ratio Lower Upper
139 100
109 21.6 19.8 29.6
65 45.2 34.6 52.0





#27
2,4-Dimethylphenol
Concen: 2.466 ng
RT: 9.633 min Scan# 1199
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

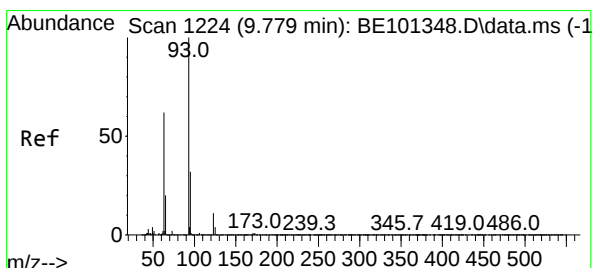
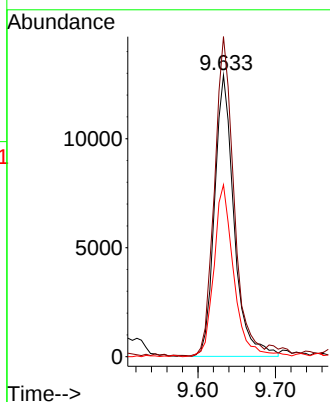
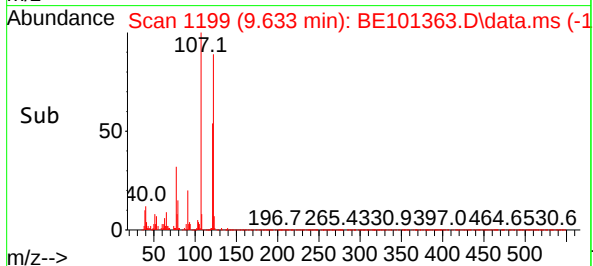
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 122 Resp: 2255
Ion Ratio Lower Upper
122 100
107 113.7 86.4 129.6
121 61.1 46.3 69.5

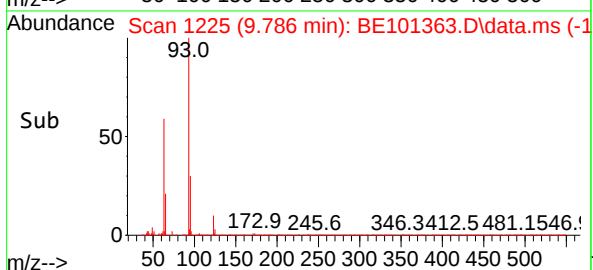
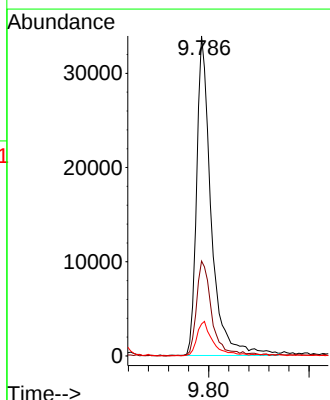
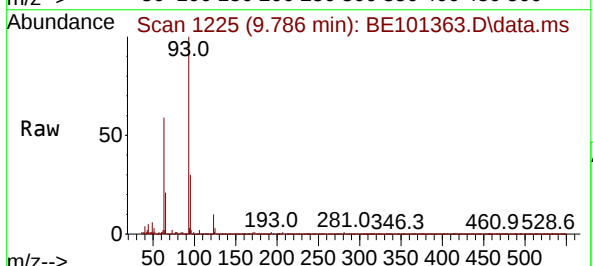
Manual Integrations
APPROVED

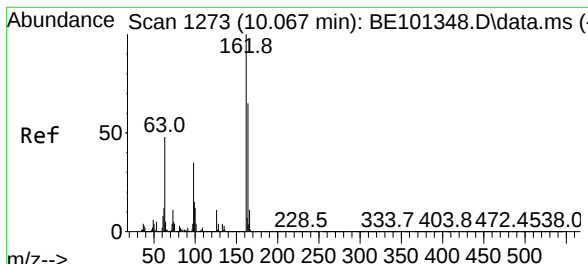
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#28
bis(2-Chloroethoxy)methane
Concen: 3.894 ng
RT: 9.786 min Scan# 1225
Delta R.T. 0.006 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 93 Resp: 68165
Ion Ratio Lower Upper
93 100
95 29.6 26.0 39.0
123 10.0 9.0 13.4





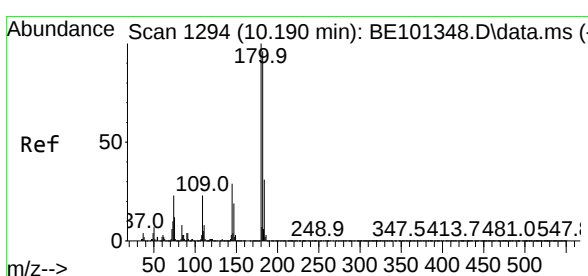
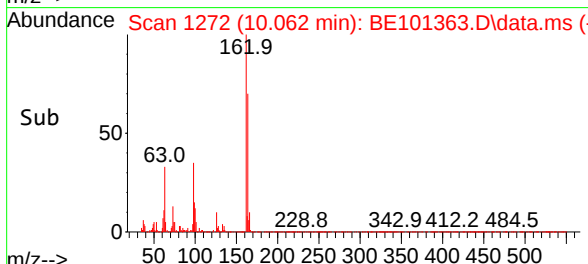
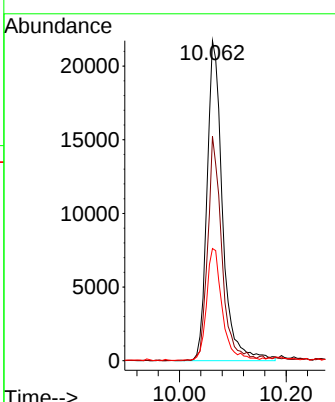
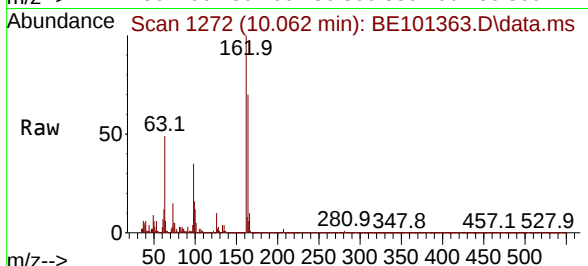
#29
2,4-Dichlorophenol
Concen: 3.503 ng
RT: 10.062 min Scan# 1272
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	162	Resp:	4386
Ion Ratio	Lower	Upper	
162	100		
164	70.1	44.6	84.6
98	35.1	14.7	54.7

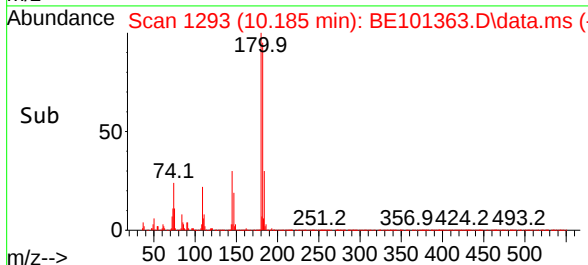
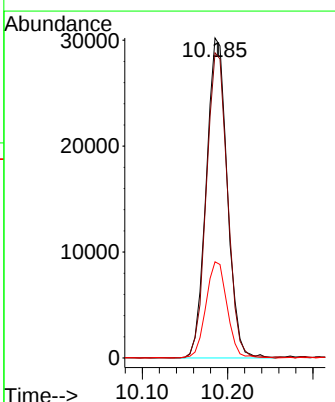
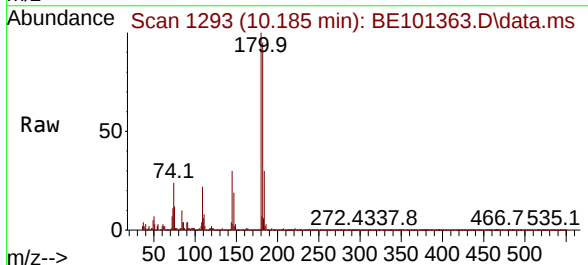
Manual Integrations
APPROVED

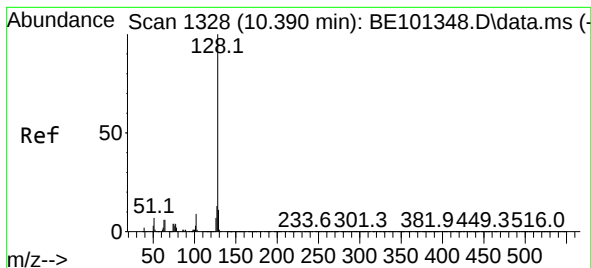
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.824 ng
RT: 10.185 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

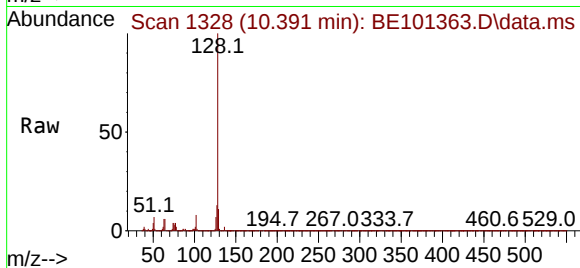
Tgt Ion:	180	Resp:	51750
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.6	114.8
145	30.1	23.5	35.3





#31
Naphthalene
Concen: 3.962 ng
RT: 10.391 min Scan# 11
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

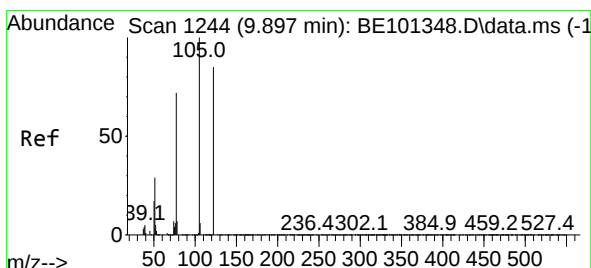
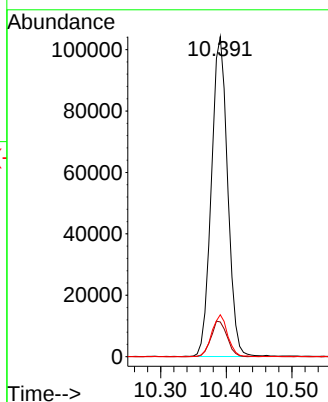
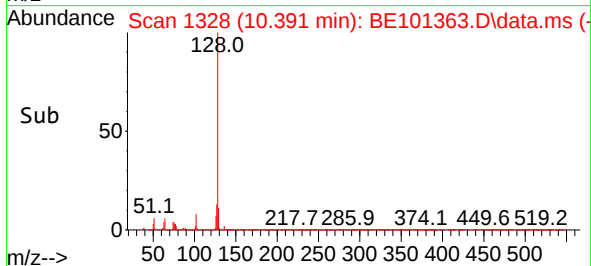
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:128 Resp: 179160
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.1 10.3 15.5

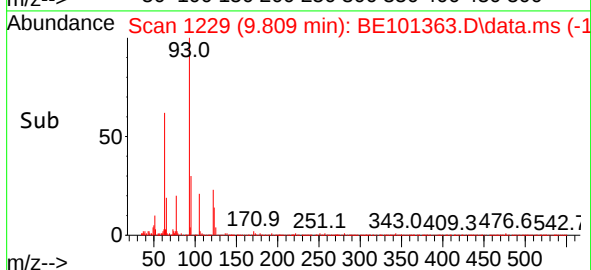
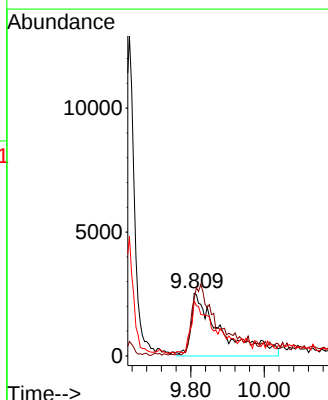
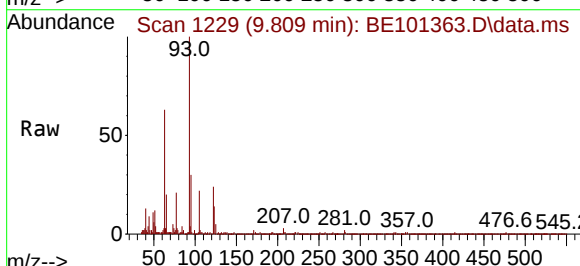
Manual Integrations
APPROVED

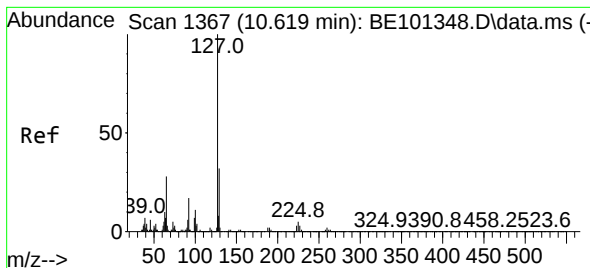
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#32
Benzoic acid
Concen: 8.592 ng m
RT: 9.809 min Scan# 1229
Delta R.T. -0.088 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:122 Resp: 14366
Ion Ratio Lower Upper
122 100
105 91.3 96.7 136.7#
77 87.5 64.8 104.8





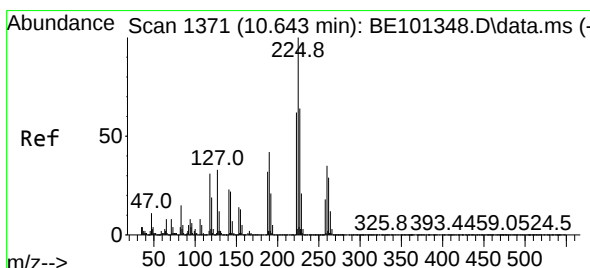
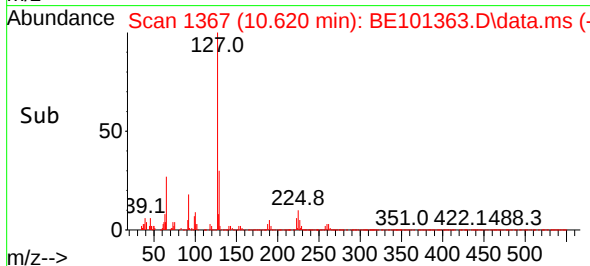
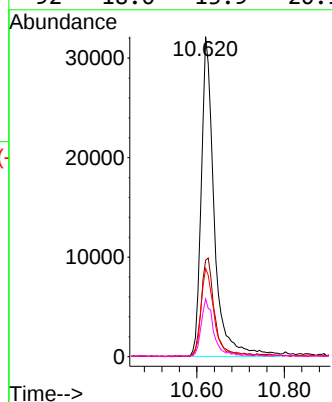
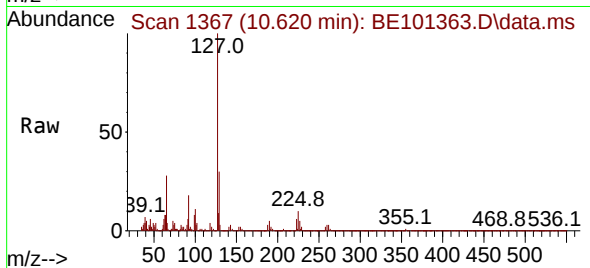
#33
4-Chloroaniline
Concen: 3.848 ng
RT: 10.620 min Scan# 1367
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	127	Resp:	6656
Ion Ratio	Lower	Upper	
127	100		
129	30.1	25.8	38.8
65	27.6	22.5	33.7
92	18.0	13.9	20.9

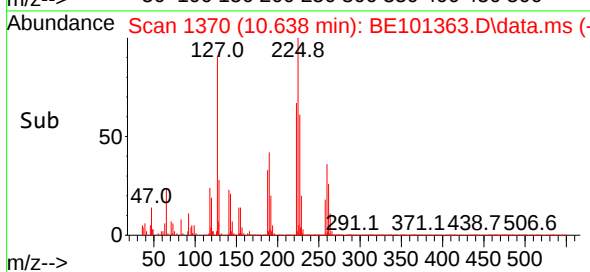
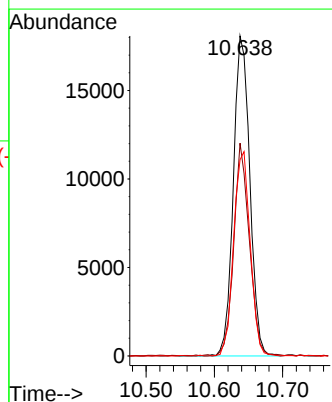
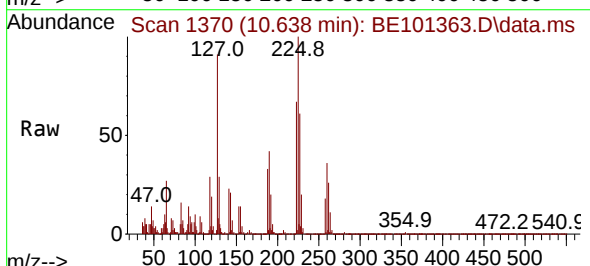
Manual Integrations
APPROVED

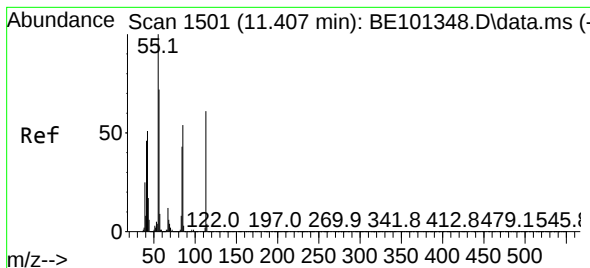
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#34
Hexachlorobutadiene
Concen: 3.860 ng
RT: 10.638 min Scan# 1370
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:	225	Resp:	30349
Ion Ratio	Lower	Upper	
225	100		
223	68.8	49.8	74.8
227	61.3	51.3	76.9





#35

Caprolactam

Concen: 3.270 ng m

RT: 11.425 min Scan# 1501

Delta R.T. 0.018 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

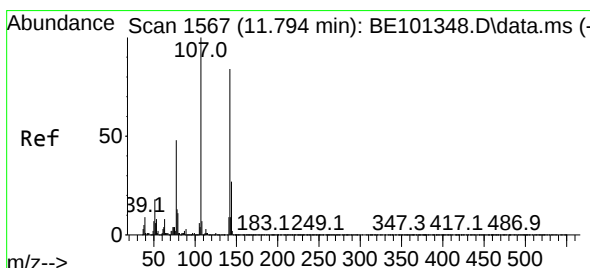
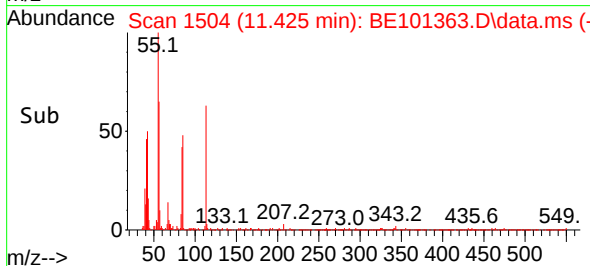
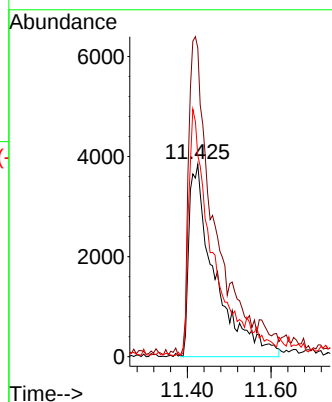
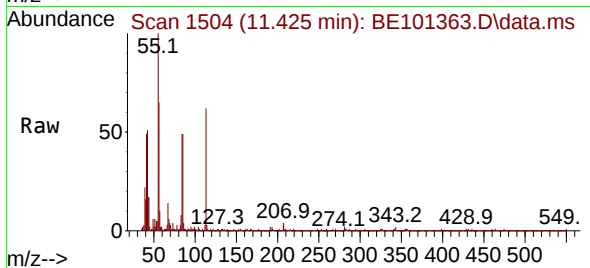
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	113	Resp:	16540
Ion Ratio	Lower	Upper	
113	100		
55	160.3	144.8	184.8
56	104.4	99.3	139.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#36

4-Chloro-3-methylphenol

Concen: 3.396 ng

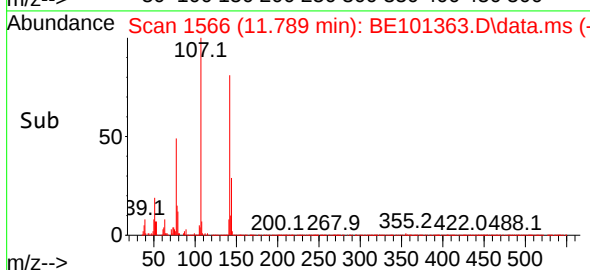
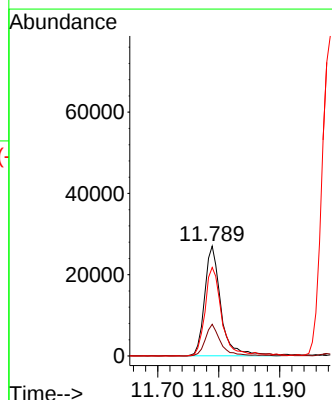
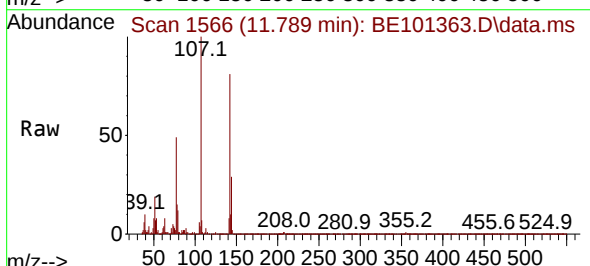
RT: 11.789 min Scan# 1566

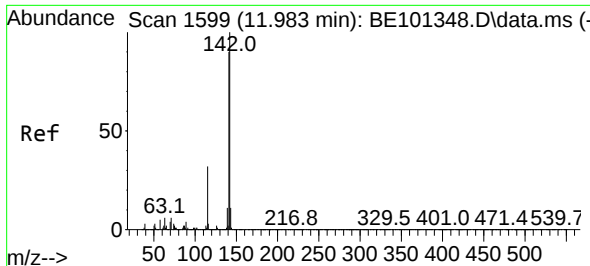
Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

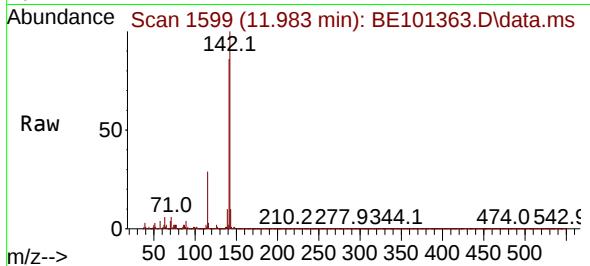
Tgt Ion:	107	Resp:	50244
Ion Ratio	Lower	Upper	
107	100		
144	28.9	21.9	32.9
142	80.5	67.4	101.2





#37
2-Methylnaphthalene
Concen: 3.897 ng
RT: 11.983 min Scan# 1599
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

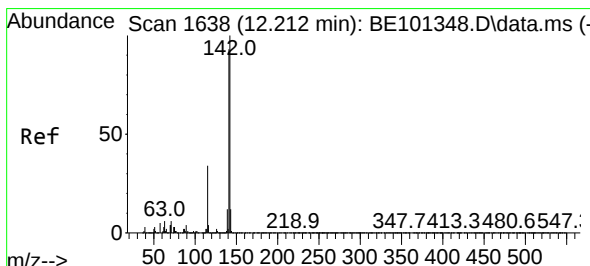
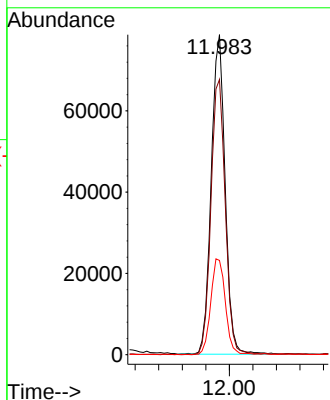
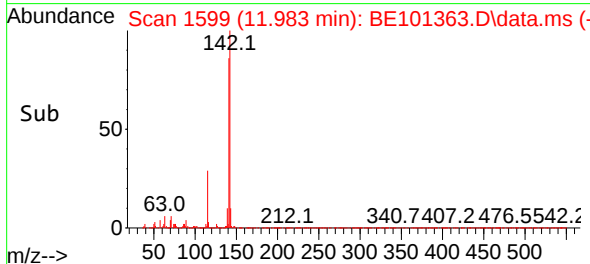
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



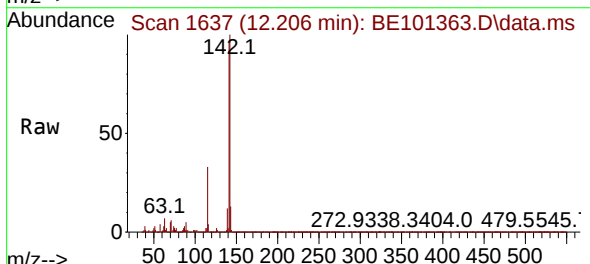
Tgt Ion:142 Resp: 12888
Ion Ratio Lower Upper
142 100
141 86.0 71.8 107.6
115 29.4 25.6 38.4

Manual Integrations
APPROVED

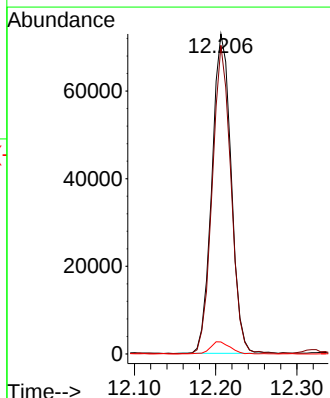
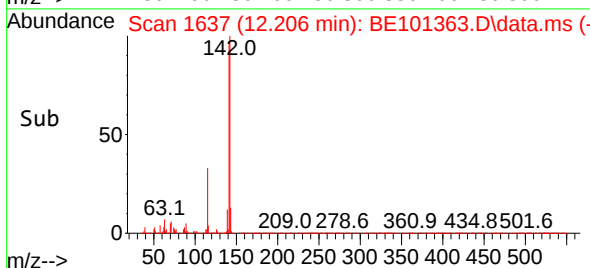
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

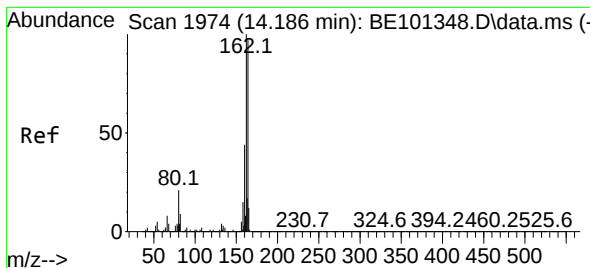


#38
1-Methylnaphthalene
Concen: 3.625 ng
RT: 12.206 min Scan# 1637
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



Tgt Ion:142 Resp: 120257
Ion Ratio Lower Upper
142 100
141 96.5 74.3 111.5
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.181 min Scan# 1659

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

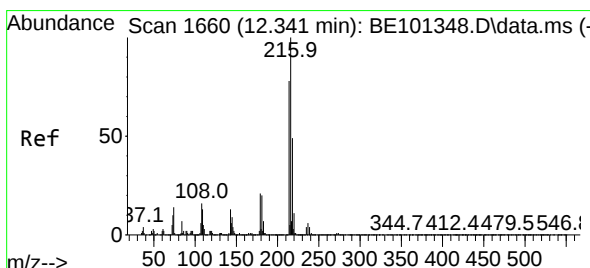
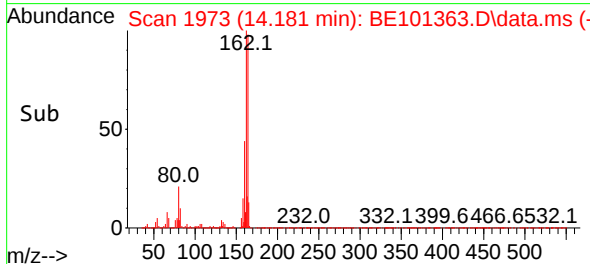
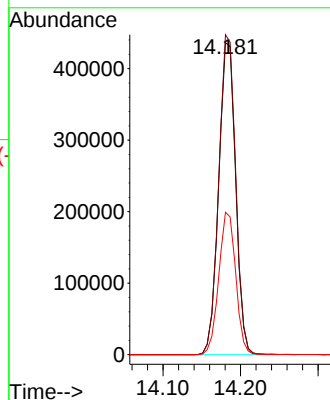
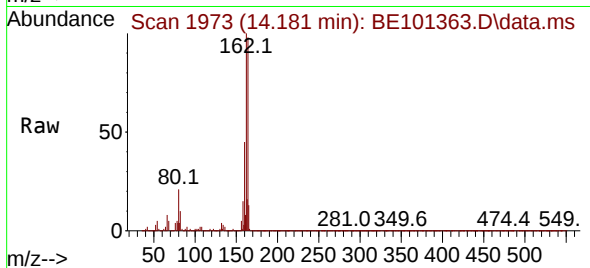
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:164	Resp: 66292
Ion Ratio	Lower Upper
164	100
162	102.6 82.6 123.8
160	45.7 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.893 ng

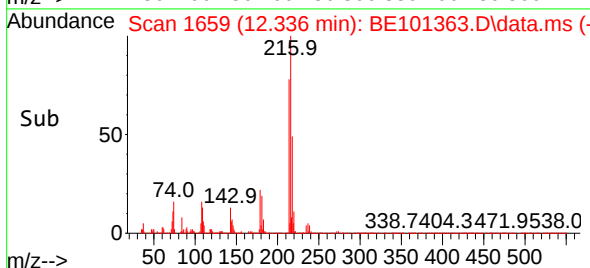
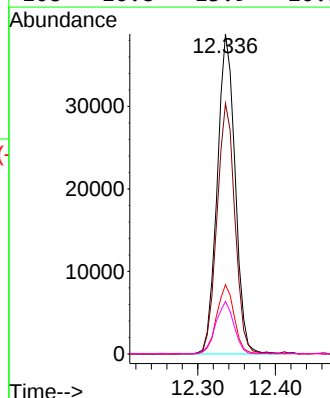
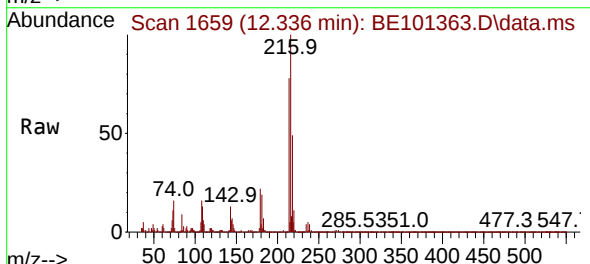
RT: 12.336 min Scan# 1659

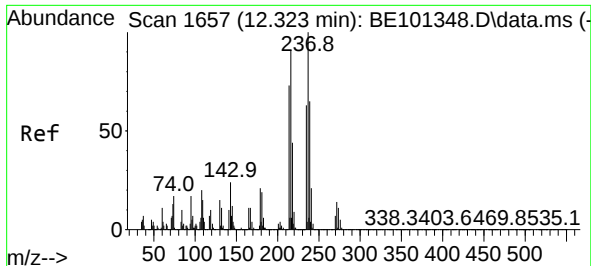
Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

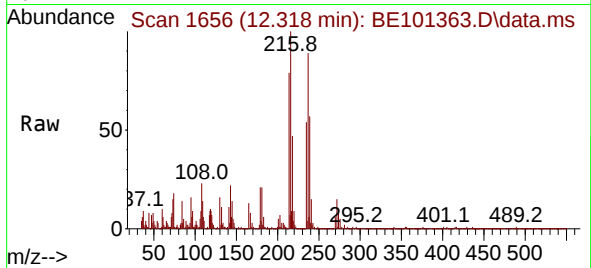
Tgt Ion:216	Resp: 62174
Ion Ratio	Lower Upper
216	100
214	78.5 62.6 94.0
179	21.2 16.9 25.3
108	16.8 13.9 20.9





#41
Hexachlorocyclopentadiene
Concen: 2.223 ng
RT: 12.318 min Scan# 1166
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

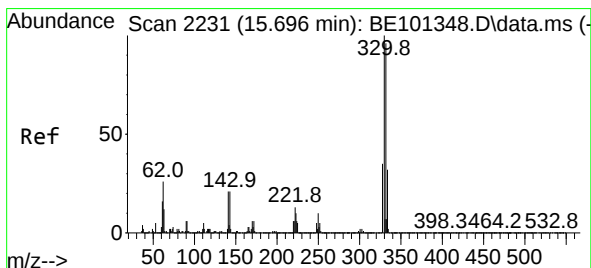
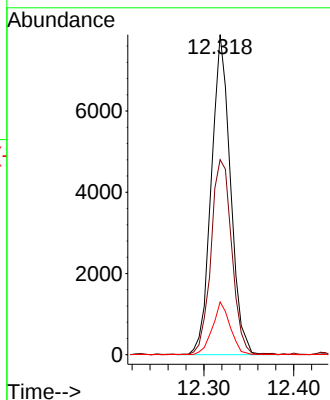
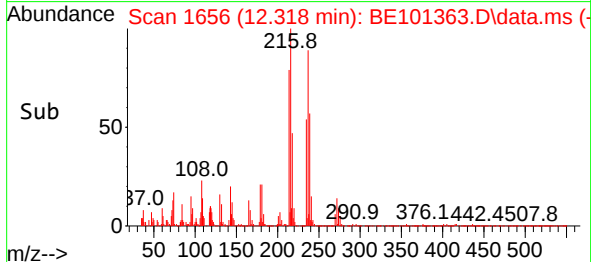
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 237 Resp: 1166
Ion Ratio Lower Upper
237 100
235 60.9 42.9 82.9
272 16.5 0.0 34.0

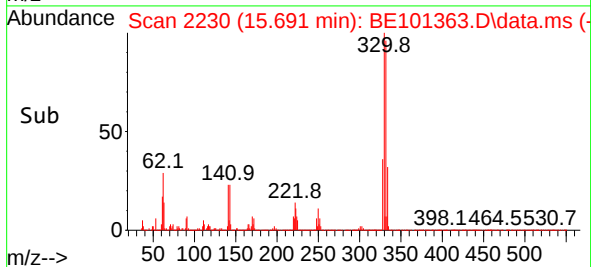
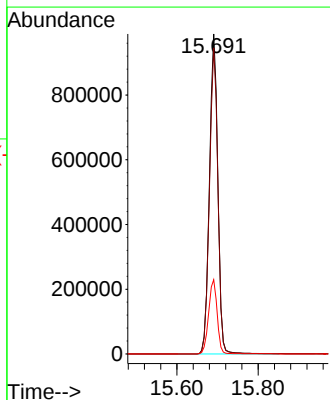
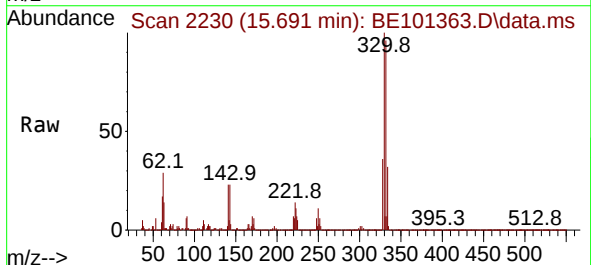
Manual Integrations
APPROVED

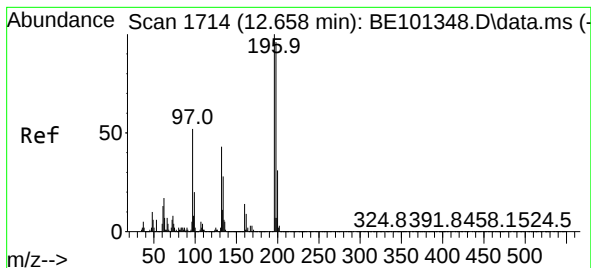
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#42
2,4,6-Tribromophenol
Concen: 126.060 ng
RT: 15.691 min Scan# 2230
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

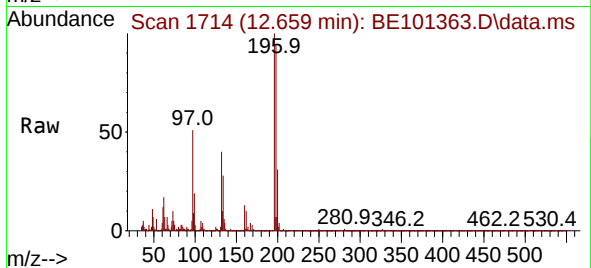
Tgt Ion: 330 Resp: 1405584
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 23.7 19.1 28.7





#43
2,4,6-Trichlorophenol
Concen: 3.461 ng
RT: 12.659 min Scan# 1714
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

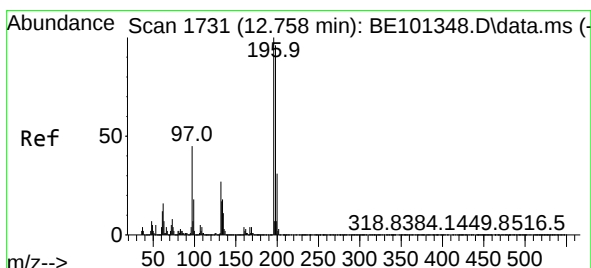
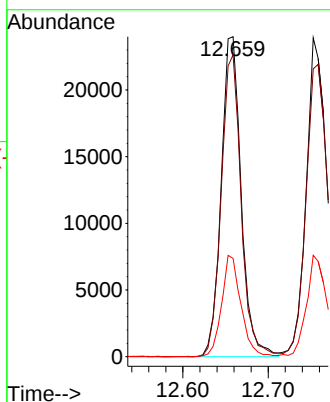
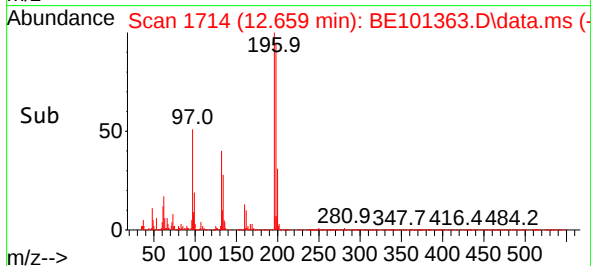
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



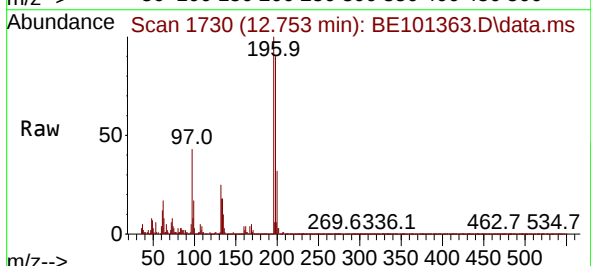
Tgt Ion:196 Resp: 39139
Ion Ratio Lower Upper
196 100
198 94.4 76.8 115.2
200 30.7 25.0 37.4

Manual Integrations
APPROVED

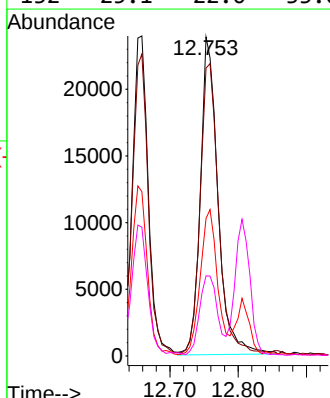
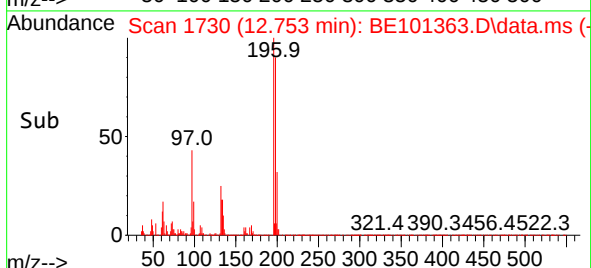
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

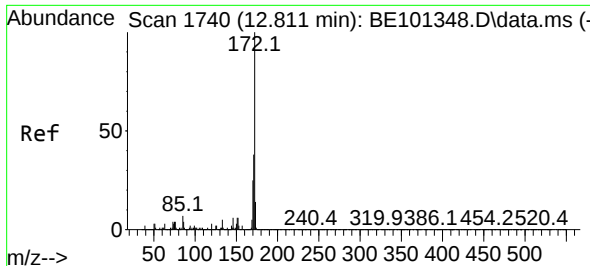


#44
2,4,5-Trichlorophenol
Concen: 3.356 ng
RT: 12.753 min Scan# 1730
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



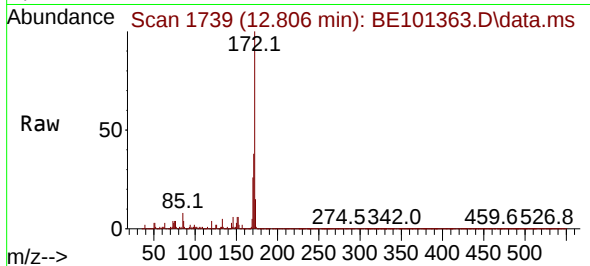
Tgt Ion:196 Resp: 42830
Ion Ratio Lower Upper
196 100
198 90.2 76.9 115.3
97 43.2 36.2 54.2
132 25.1 22.0 33.0





#45
2-Fluorobiphenyl
Concen: 82.100 ng
RT: 12.806 min Scan# 1739
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

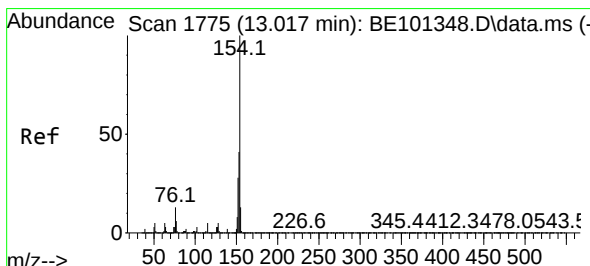
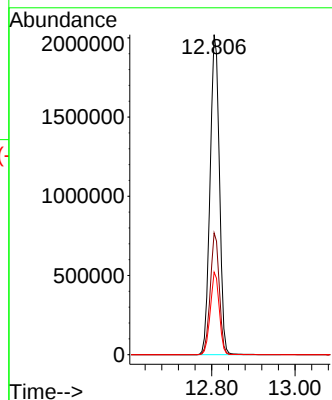
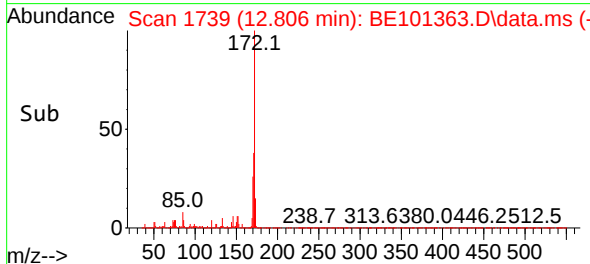
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



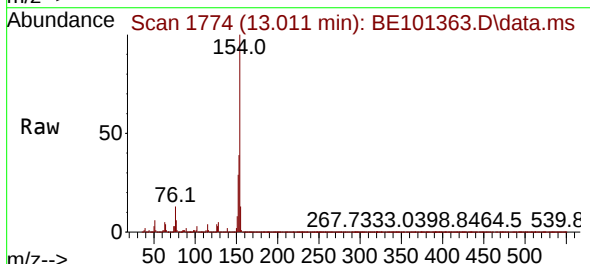
Tgt Ion:172 Resp: 3149510
Ion Ratio Lower Upper
172 100
171 38.0 30.2 45.2
170 25.8 20.2 30.4

Manual Integrations
APPROVED

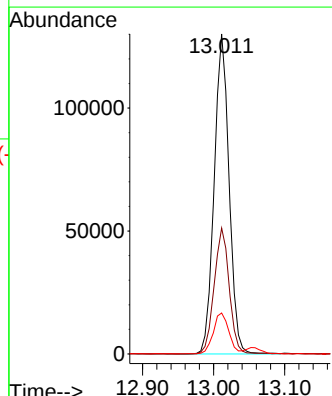
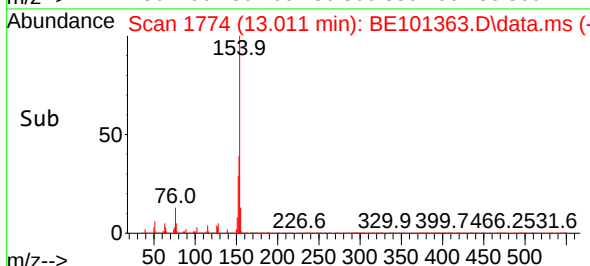
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

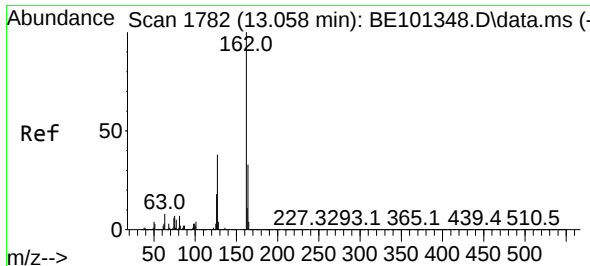


#46
1,1'-Biphenyl
Concen: 4.201 ng
RT: 13.011 min Scan# 1774
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



Tgt Ion:154 Resp: 188705
Ion Ratio Lower Upper
154 100
153 39.3 21.2 61.2
76 12.8 0.0 33.4





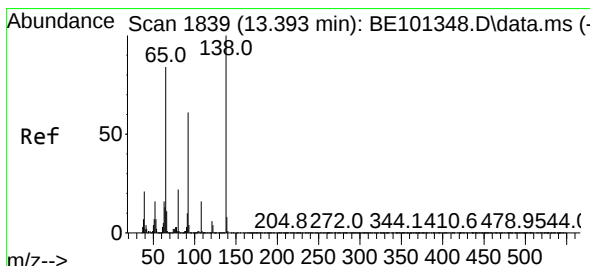
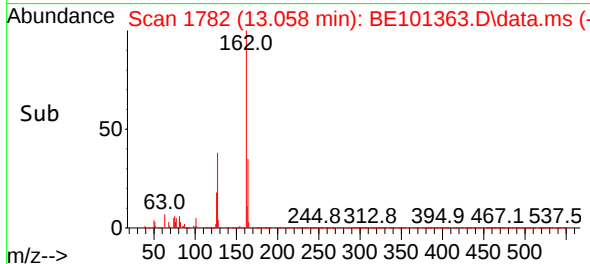
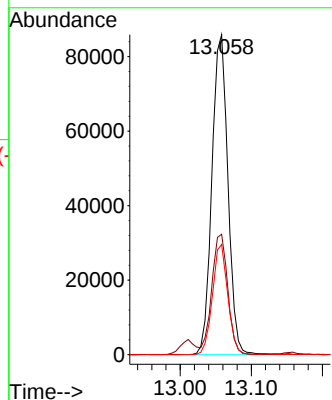
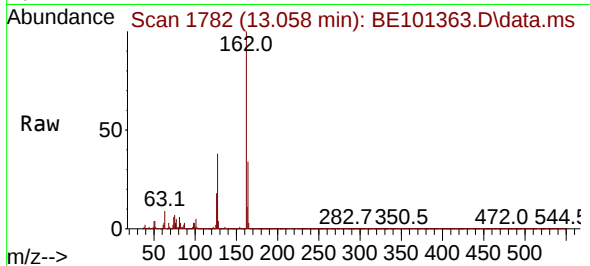
#47
2-Chloronaphthalene
Concen: 3.806 ng
RT: 13.058 min Scan# 1782
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 162 Resp: 134480
Ion Ratio Lower Upper
162 100
127 37.7 31.2 46.8
164 34.5 26.2 39.2

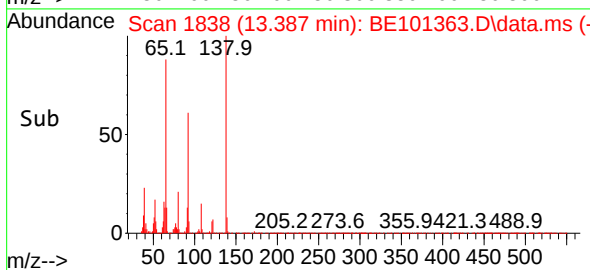
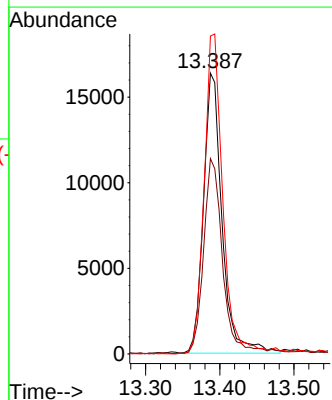
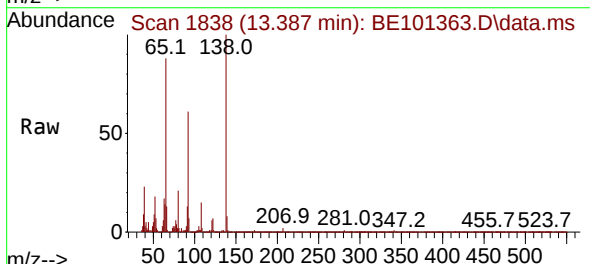
Manual Integrations
APPROVED

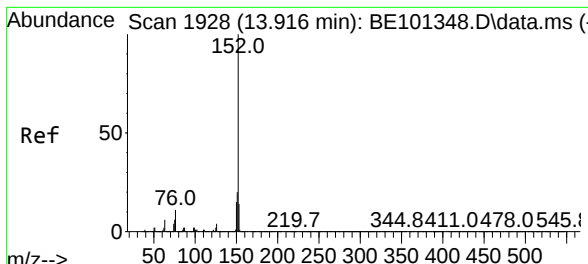
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#48
2-Nitroaniline
Concen: 2.995 ng
RT: 13.387 min Scan# 1838
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 65 Resp: 28479
Ion Ratio Lower Upper
65 100
92 69.6 58.3 87.5
138 113.2 95.0 142.4





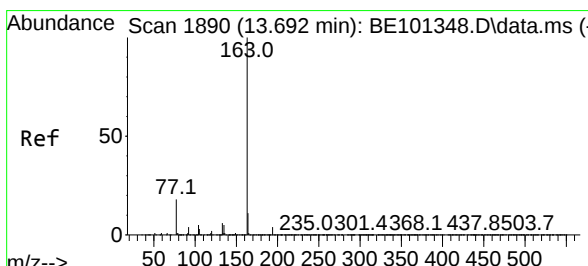
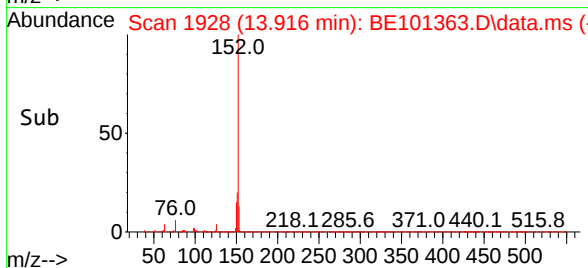
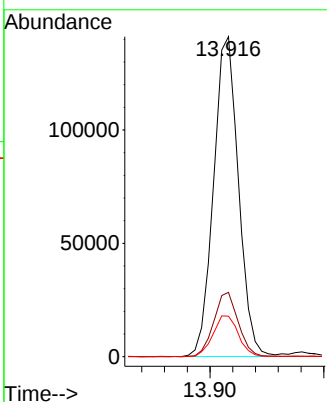
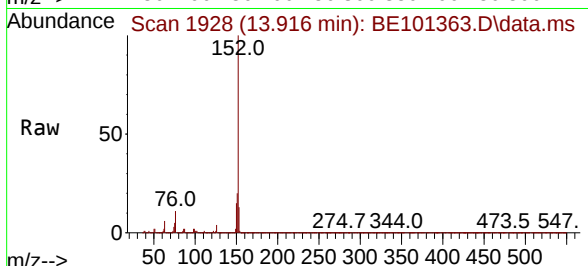
#49
 Acenaphthylene
 Concen: 4.066 ng
 RT: 13.916 min Scan# 1928
 Delta R.T. 0.001 min
 Lab File: BE101363.D
 Acq: 18 Sep 2024 14:47

Instrument : BNA_E
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	152	Resp:	21439
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.4	24.6
153	12.7	11.1	16.7

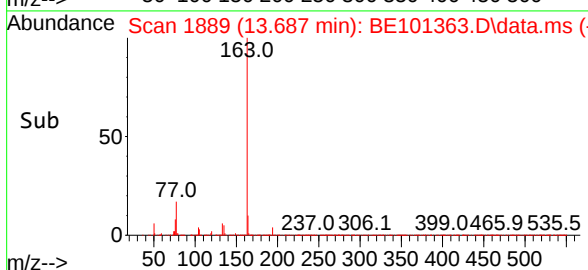
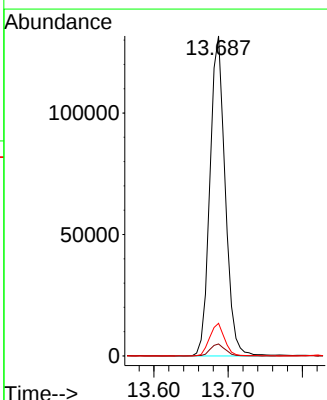
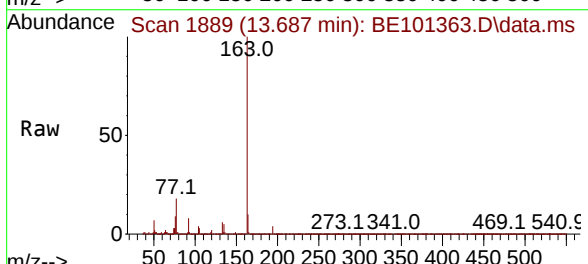
Manual Integrations
 APPROVED

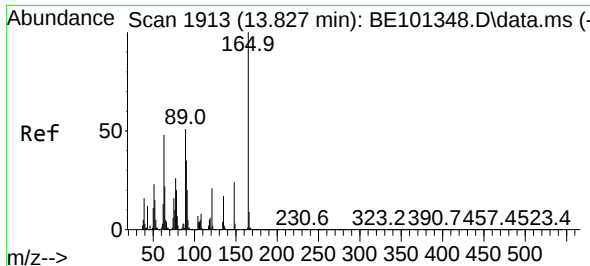
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#50
 Dimethylphthalate
 Concen: 3.940 ng
 RT: 13.687 min Scan# 1889
 Delta R.T. -0.005 min
 Lab File: BE101363.D
 Acq: 18 Sep 2024 14:47

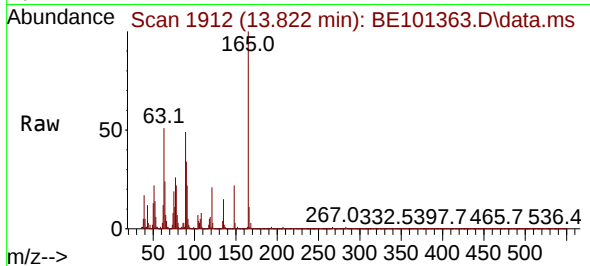
Tgt Ion:	163	Resp:	188486
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.4
164	10.2	8.5	12.7





#51
2,6-Dinitrotoluene
Concen: 3.241 ng
RT: 13.822 min Scan# 1913
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

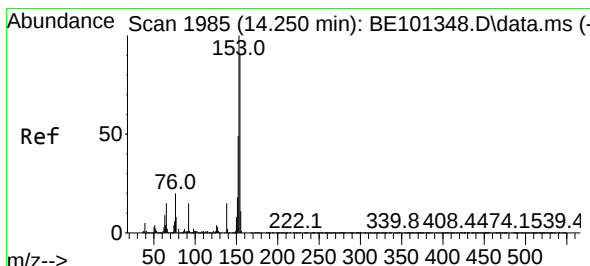
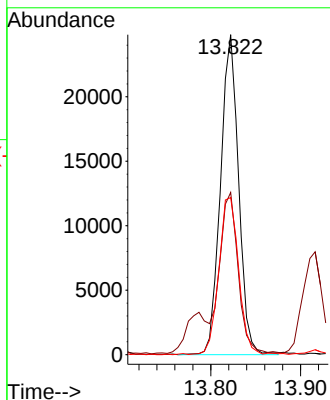
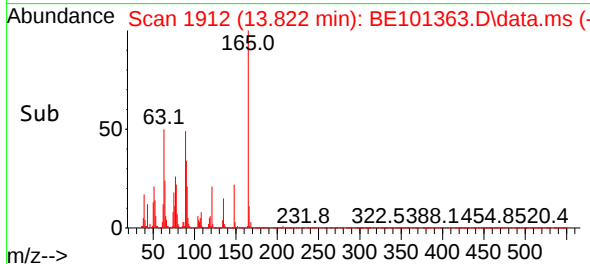
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



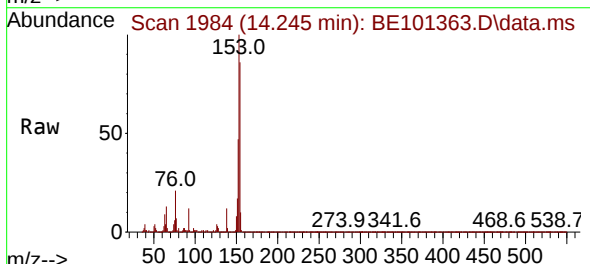
Tgt Ion:165 Resp: 3469
Ion Ratio Lower Upper
165 100
63 50.7 38.5 57.7
89 49.1 40.5 60.7

Manual Integrations
APPROVED

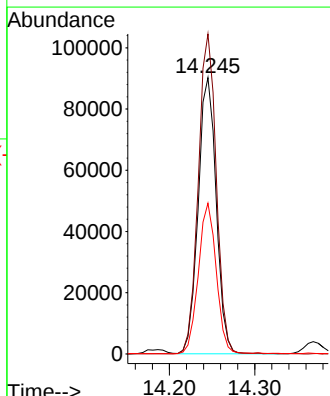
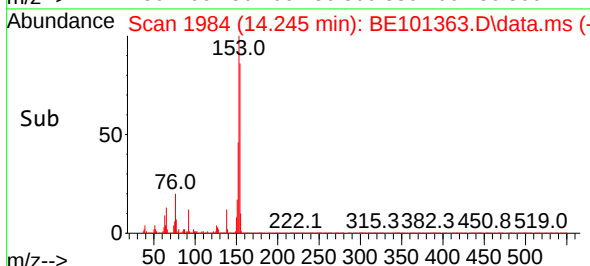
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

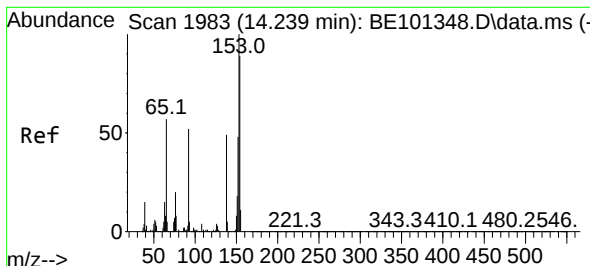


#52
Acenaphthene
Concen: 3.818 ng
RT: 14.245 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



Tgt Ion:154 Resp: 132709
Ion Ratio Lower Upper
154 100
153 115.8 88.8 133.2
152 54.6 43.2 64.8





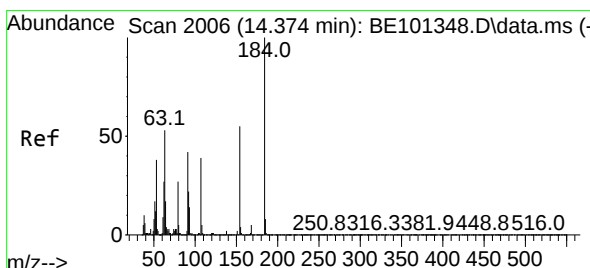
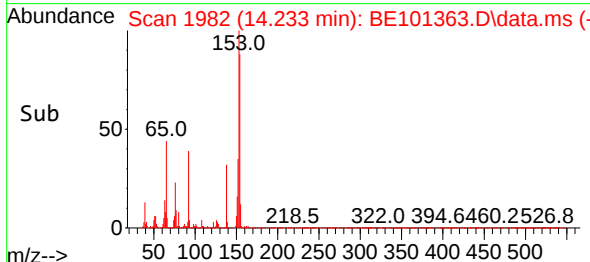
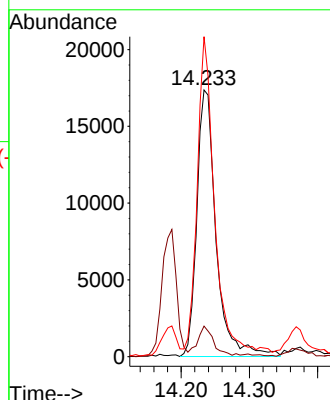
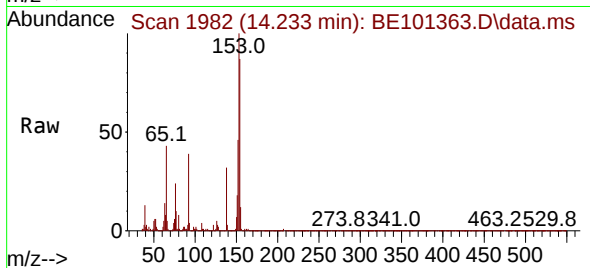
#53
3-Nitroaniline
Concen: 3.090 ng
RT: 14.233 min Scan# 1983
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:138 Resp: 3403
Ion Ratio Lower Upper
138 100
108 11.5 7.2 10.8
92 120.0 85.7 128.5

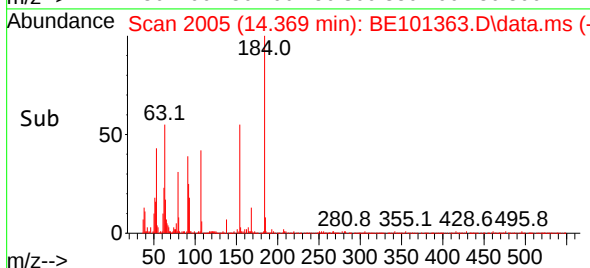
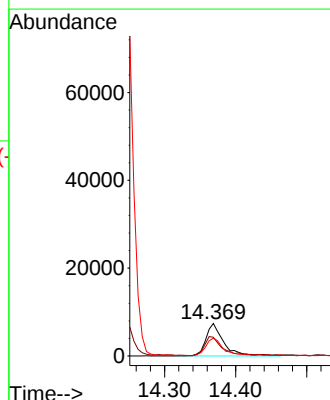
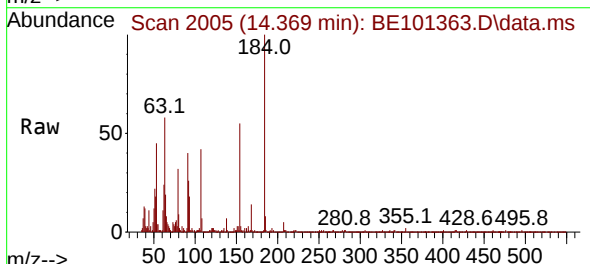
Manual Integrations
APPROVED

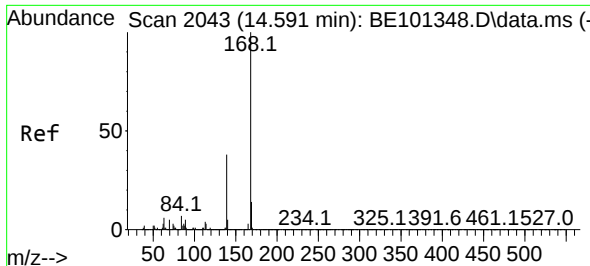
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#54
2,4-Dinitrophenol
Concen: 2.015 ng
RT: 14.369 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

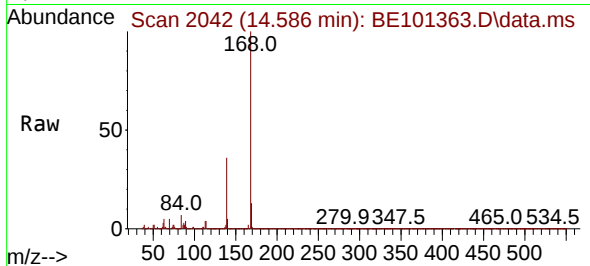
Tgt Ion:184 Resp: 12844
Ion Ratio Lower Upper
184 100
63 57.6 42.5 63.7
154 54.5 44.2 66.2





#55
Dibenzofuran
Concen: 4.083 ng
RT: 14.586 min Scan# 2042
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

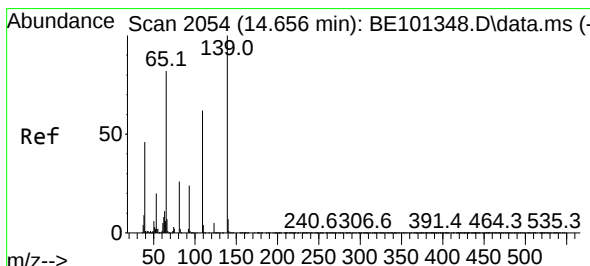
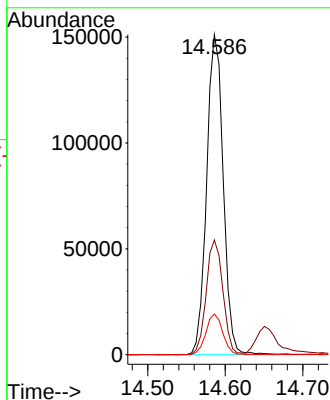
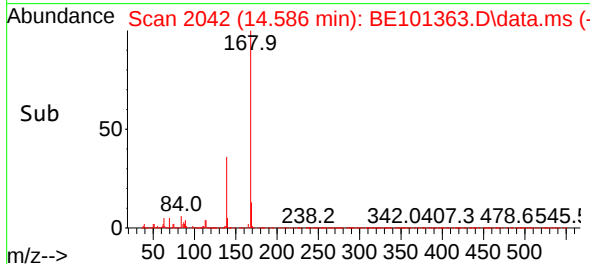
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:168 Resp: 224148
Ion Ratio Lower Upper
168 100
139 35.8 30.5 45.7
169 12.7 11.4 17.2

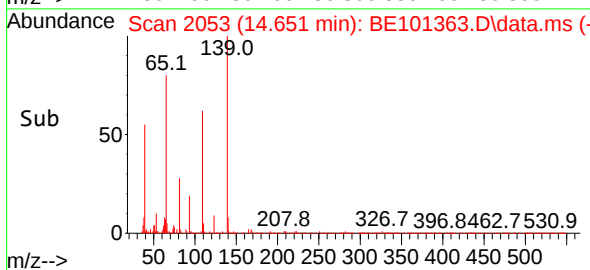
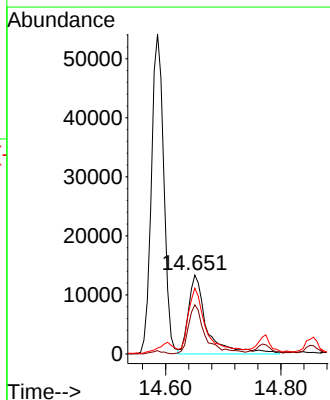
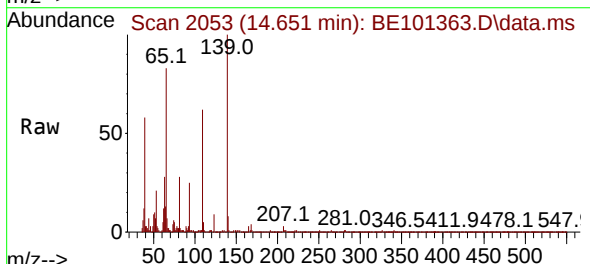
Manual Integrations
APPROVED

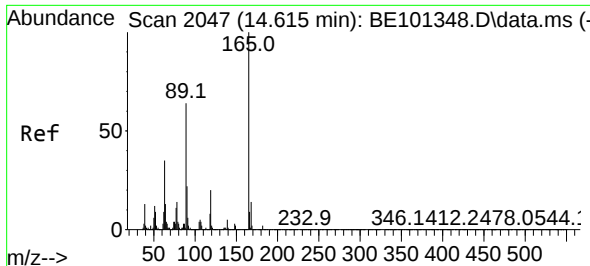
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#56
4-Nitrophenol
Concen: 3.248 ng m
RT: 14.651 min Scan# 2053
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

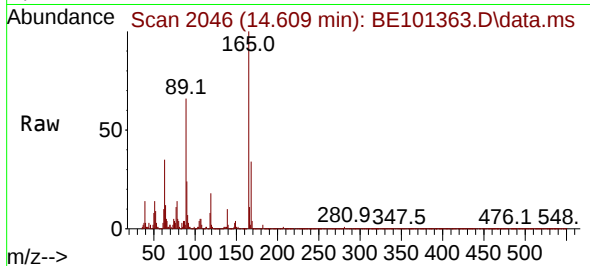
Tgt Ion:139 Resp: 29739
Ion Ratio Lower Upper
139 100
109 62.2 41.9 81.9
65 83.2 63.0 103.0





#57
2,4-Dinitrotoluene
Concen: 2.951 ng
RT: 14.609 min Scan# 2046
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

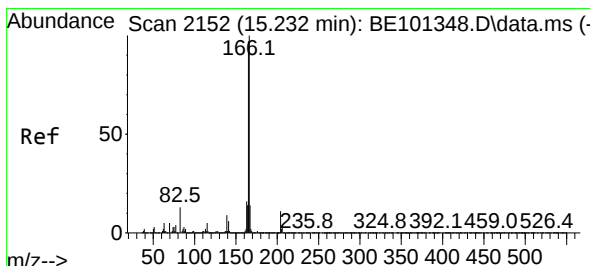
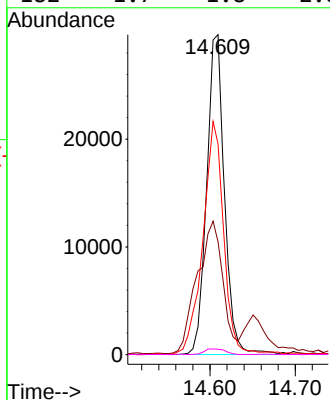
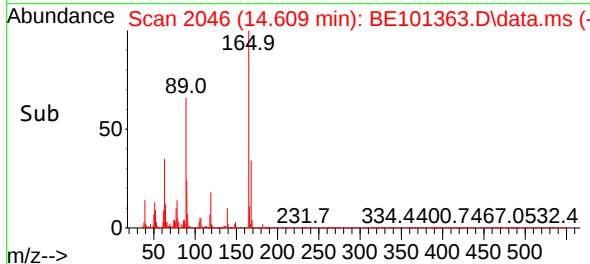
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:165 Resp: 43000
Ion Ratio Lower Upper
165 100
63 35.3 28.4 42.6
89 65.8 51.0 76.4
182 1.7 1.8 2.8#

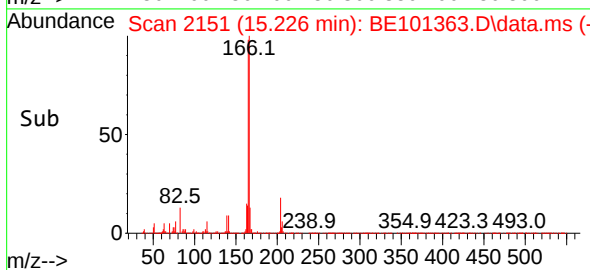
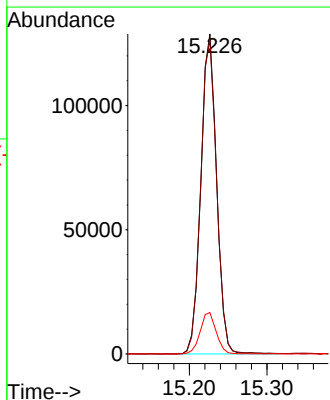
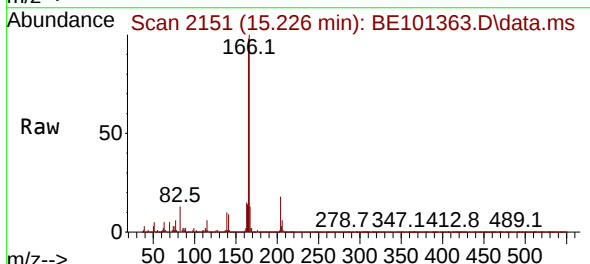
Manual Integrations
APPROVED

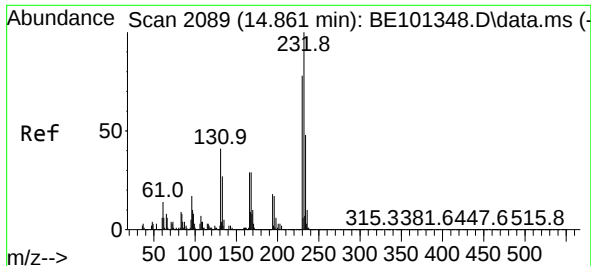
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#58
Fluorene
Concen: 3.914 ng
RT: 15.226 min Scan# 2151
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

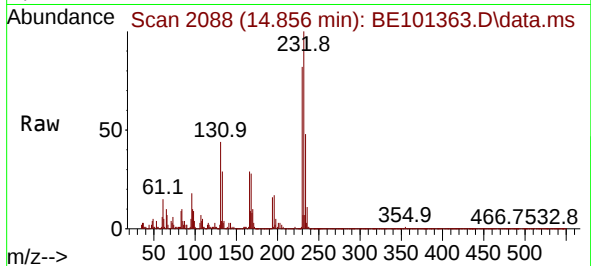
Tgt Ion:166 Resp: 181085
Ion Ratio Lower Upper
166 100
165 98.2 77.8 116.8
167 13.0 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.625 ng
RT: 14.856 min Scan# 2088
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

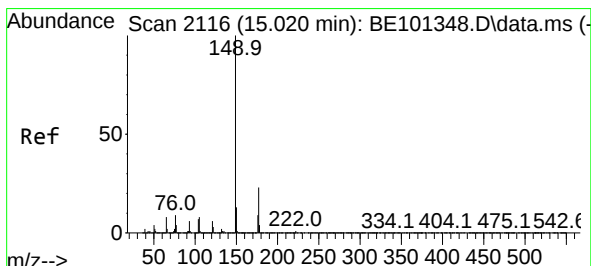
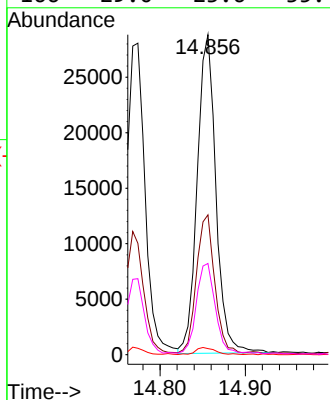
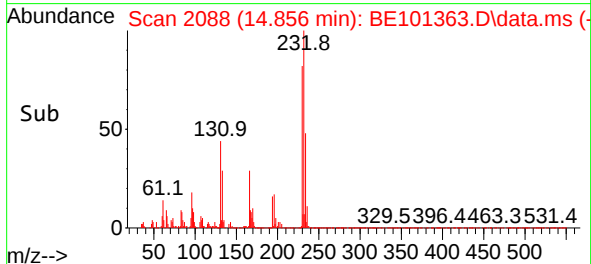
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



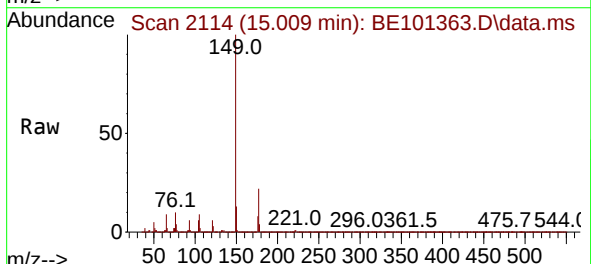
Tgt Ion: 232 Resp: 4374
Ion Ratio Lower Upper
232 100
131 42.2 34.2 51.4
130 2.4 1.8 2.6
166 29.0 23.6 35.4

Manual Integrations
APPROVED

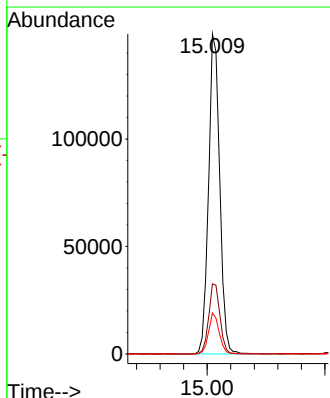
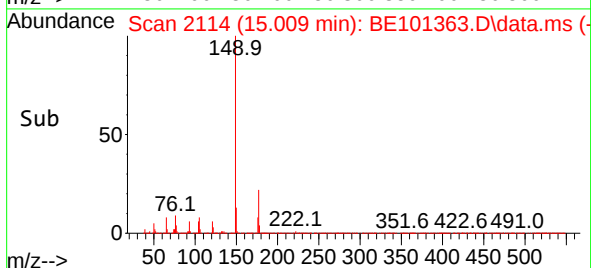
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024

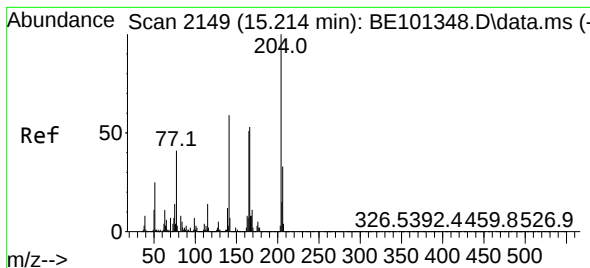


#60
Diethylphthalate
Concen: 3.944 ng
RT: 15.009 min Scan# 2114
Delta R.T. -0.011 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



Tgt Ion: 149 Resp: 195735
Ion Ratio Lower Upper
149 100
177 21.9 18.4 27.6
150 12.8 10.0 15.0





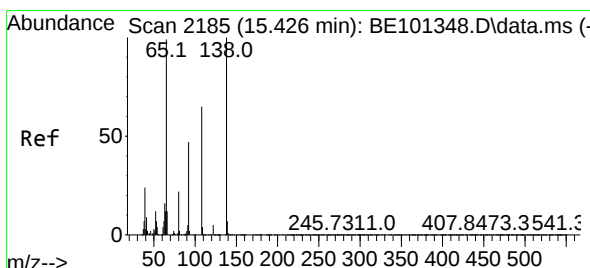
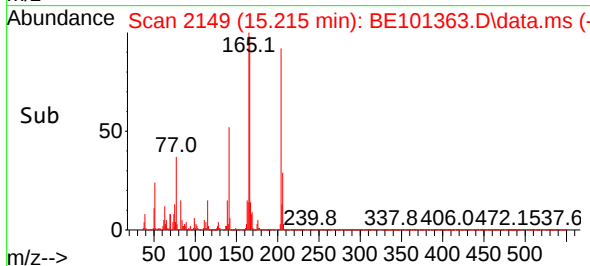
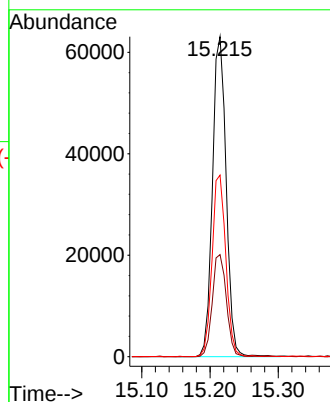
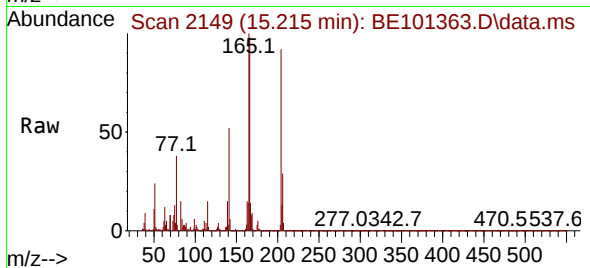
#61
4-Chlorophenyl-phenylether
Concen: 3.880 ng
RT: 15.215 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:204 Resp: 8805
Ion Ratio Lower Upper
204 100
206 31.9 26.2 39.2
141 56.8 47.2 70.8

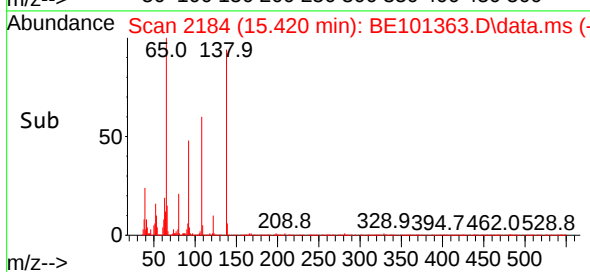
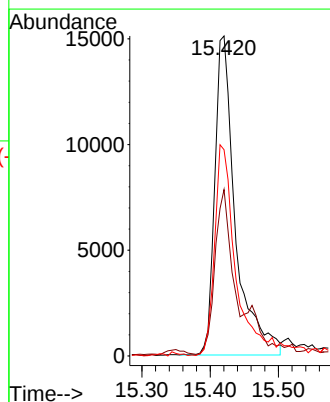
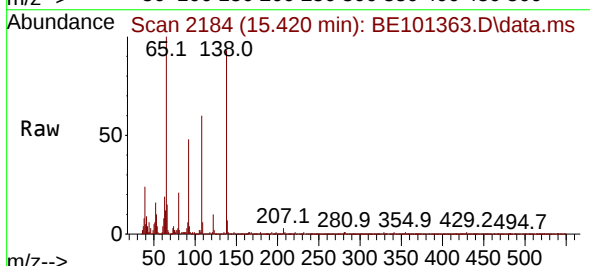
Manual Integrations
APPROVED

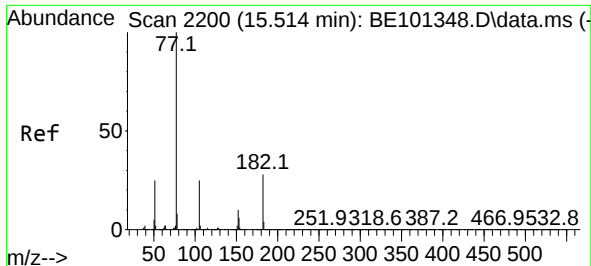
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#62
4-Nitroaniline
Concen: 2.779 ng
RT: 15.420 min Scan# 2184
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

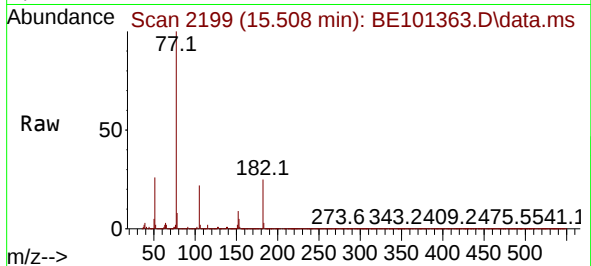
Tgt Ion:138 Resp: 31891
Ion Ratio Lower Upper
138 100
92 52.0 26.8 66.8
108 64.4 44.7 84.7





#63
Azobenzene
Concen: 3.912 ng
RT: 15.508 min Scan# 2199
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

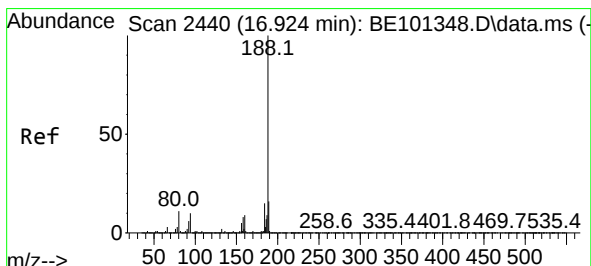
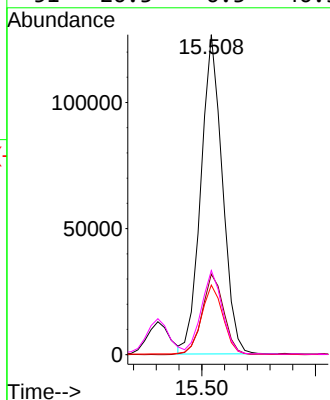
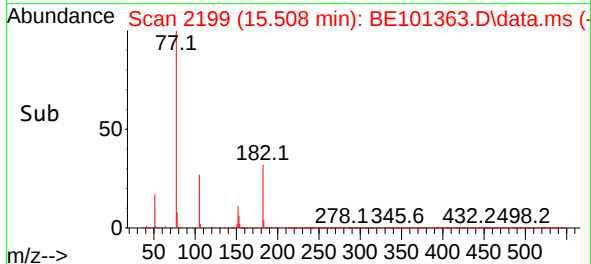
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



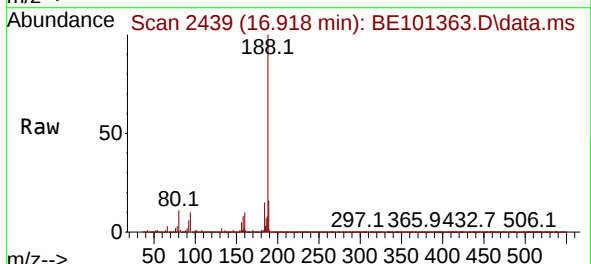
Tgt Ion: 77 Resp: 165920
Ion Ratio Lower Upper
77 100
182 25.2 7.8 47.8
105 21.7 4.3 44.3
51 26.3 6.3 46.3

Manual Integrations
APPROVED

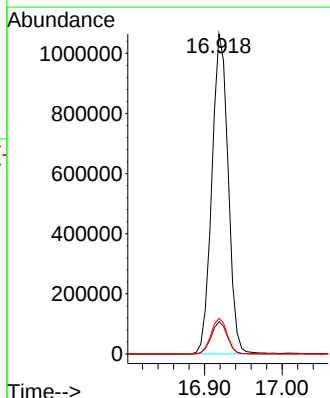
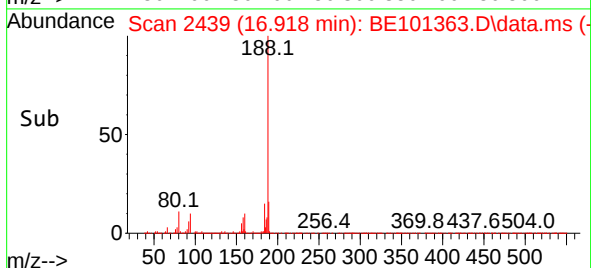
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

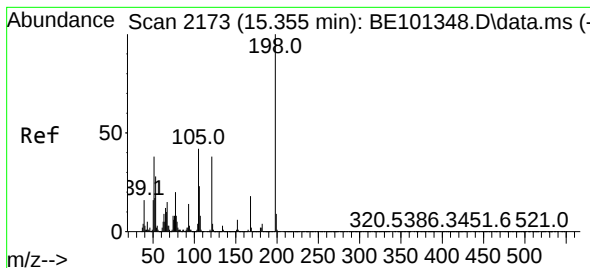


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47



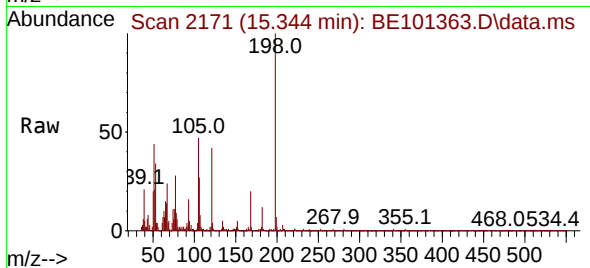
Tgt Ion:188 Resp: 1554216
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.2
80 11.2 8.6 13.0





#65
4,6-Dinitro-2-methylphenol
Concen: 2.349 ng
RT: 15.344 min Scan# 2173
Delta R.T. -0.011 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

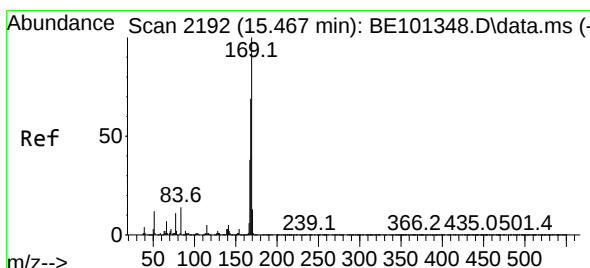
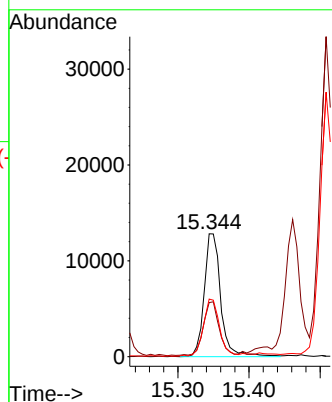
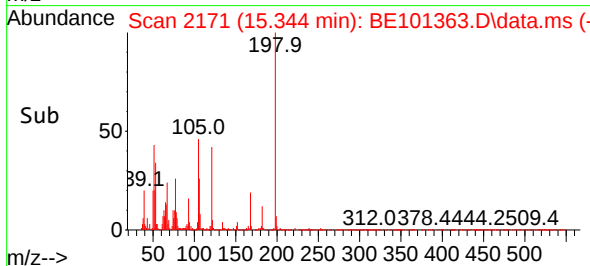
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:198 Resp: 2072
Ion Ratio Lower Upper
198 100
51 44.0 18.1 58.1
105 46.9 22.0 62.0

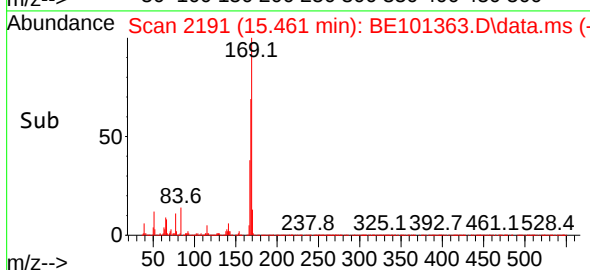
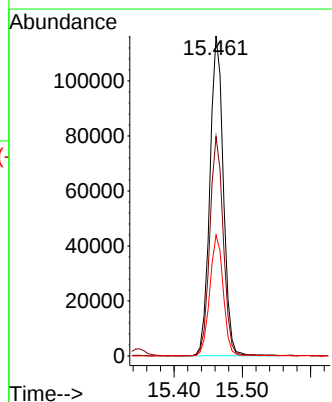
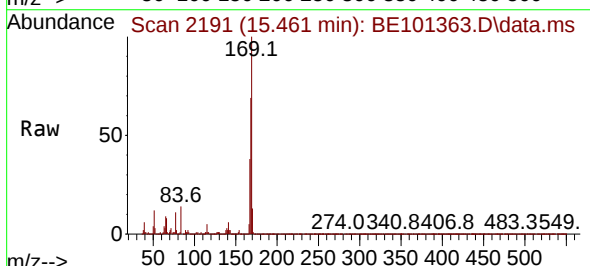
Manual Integrations
APPROVED

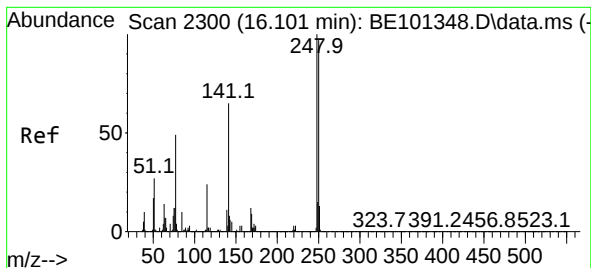
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#66
n-Nitrosodiphenylamine
Concen: 3.858 ng
RT: 15.461 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

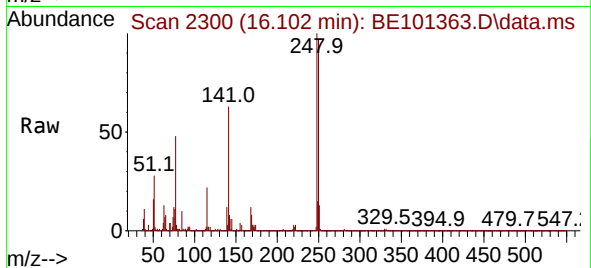
Tgt Ion:169 Resp: 159815
Ion Ratio Lower Upper
169 100
168 68.5 55.1 82.7
167 37.8 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 3.688 ng
RT: 16.102 min Scan# 2117
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

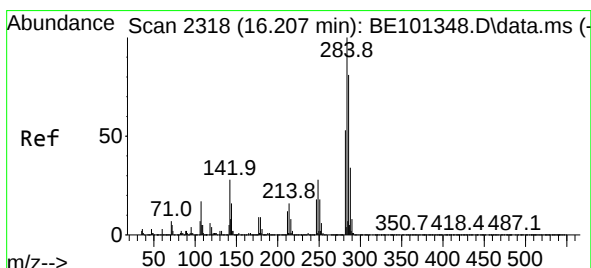
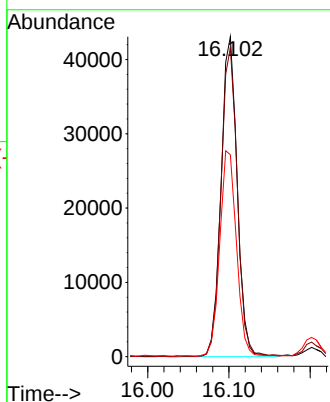
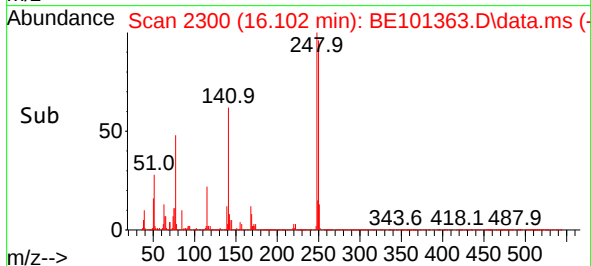
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:248 Resp: 5954
Ion Ratio Lower Upper
248 100
250 96.6 77.7 116.5
141 63.1 51.8 77.8

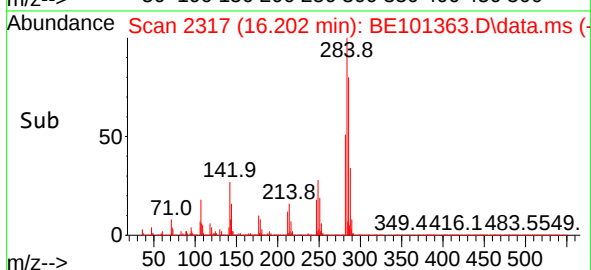
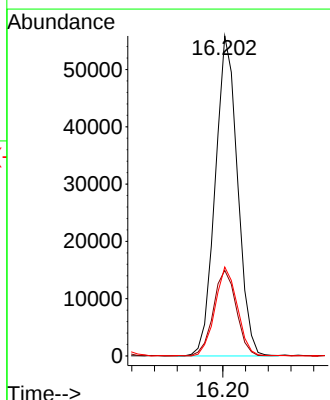
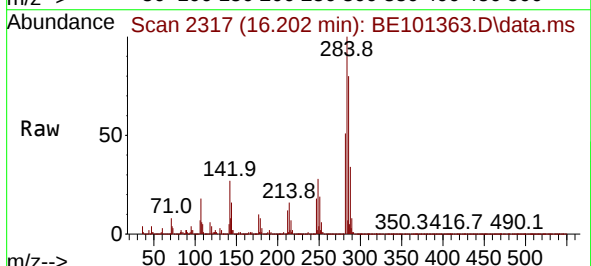
Manual Integrations
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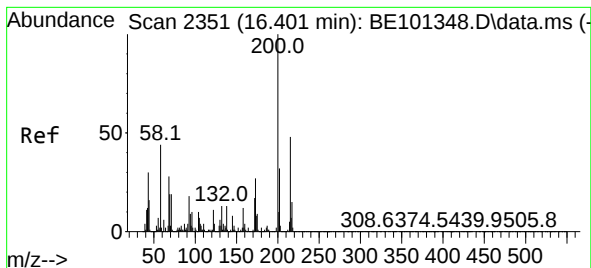
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#68
Hexachlorobenzene
Concen: 3.649 ng
RT: 16.202 min Scan# 2317
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:284 Resp: 76154
Ion Ratio Lower Upper
284 100
142 26.8 22.1 33.1
249 27.8 22.7 34.1





#69

Atrazine

Concen: 4.393 ng

RT: 16.396 min Scan# 21

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

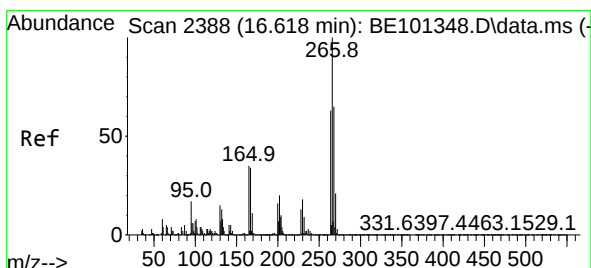
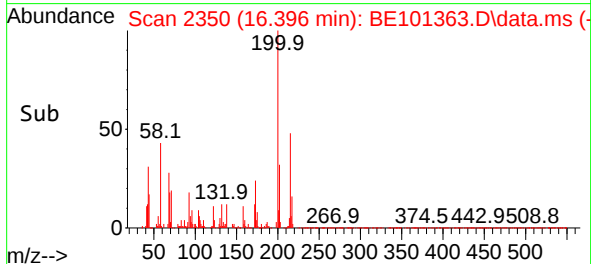
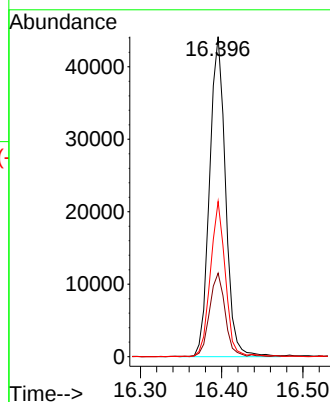
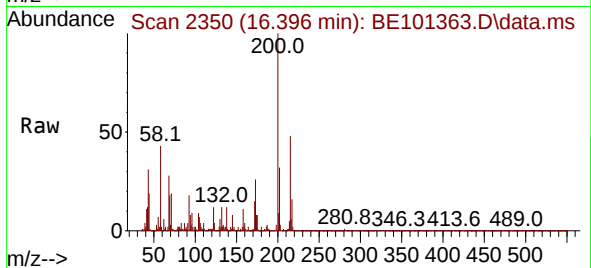
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:200	Resp: 60104
Ion Ratio	Lower Upper
200 100	
173 26.1	6.9 46.9
215 48.5	27.8 67.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#70

Pentachlorophenol

Concen: 2.928 ng

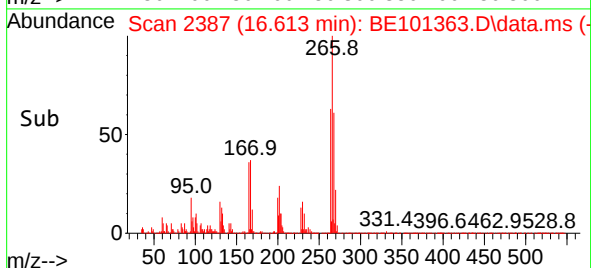
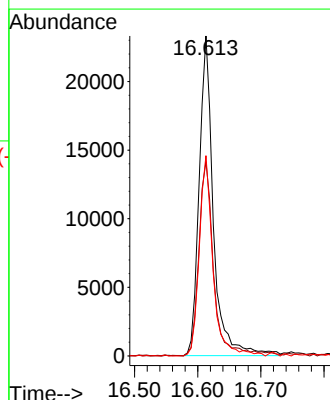
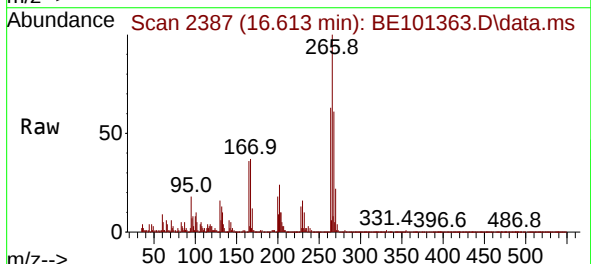
RT: 16.613 min Scan# 2387

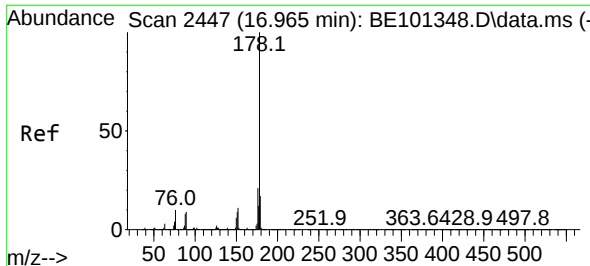
Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:266	Resp: 36506
Ion Ratio	Lower Upper
266 100	
268 65.9	52.2 78.4
264 62.6	50.5 75.7





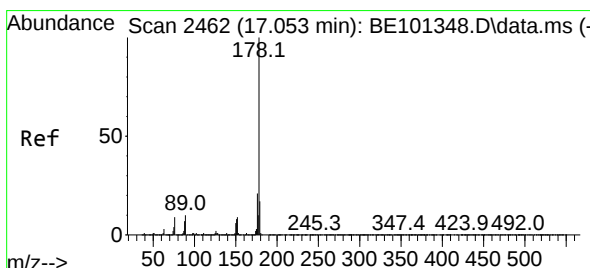
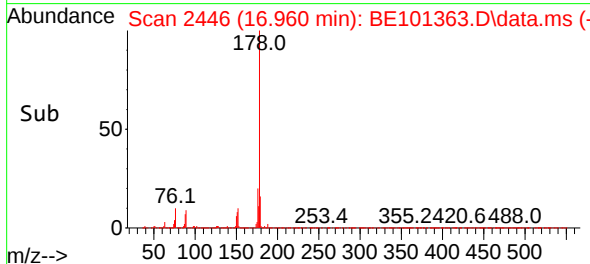
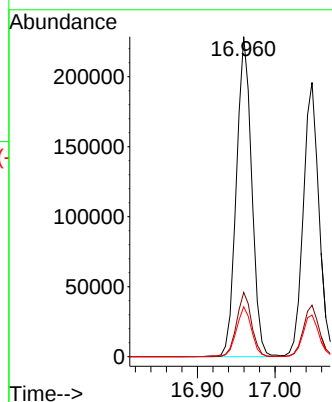
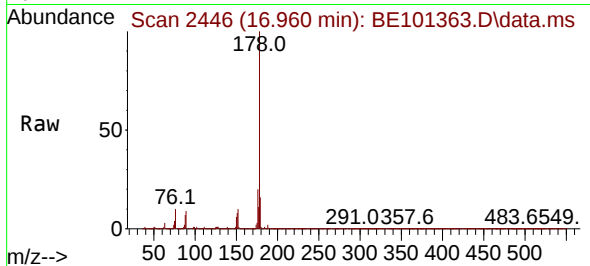
#71
Phenanthrene
Concen: 4.247 ng
RT: 16.960 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:178 Resp: 31353
Ion Ratio Lower Upper
178 100
176 20.1 16.8 25.2
179 15.6 13.3 19.9

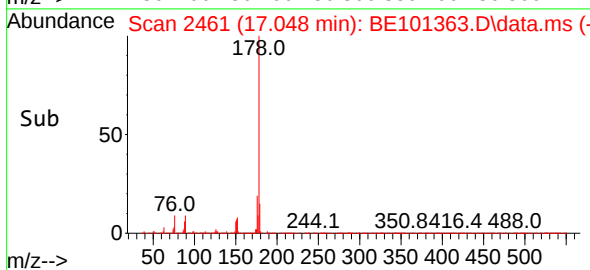
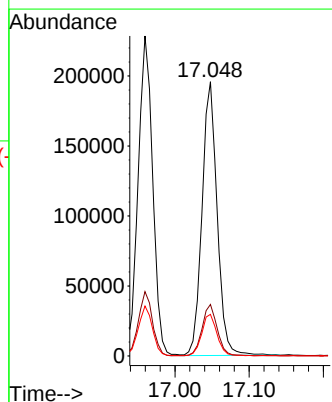
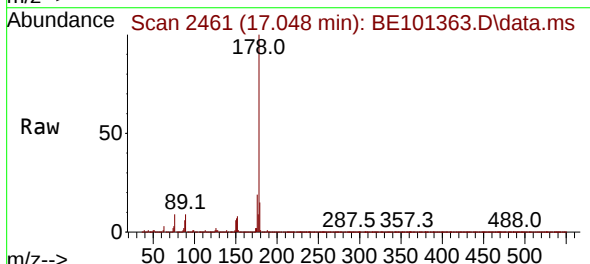
Manual Integrations
APPROVED

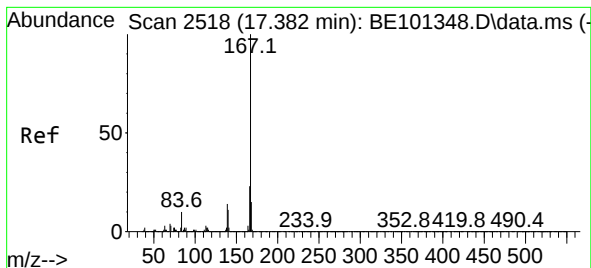
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#72
Anthracene
Concen: 3.870 ng
RT: 17.048 min Scan# 2461
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:178 Resp: 277993
Ion Ratio Lower Upper
178 100
176 18.8 16.4 24.6
179 15.1 13.4 20.0





#73

Carbazole

Concen: 3.997 ng

RT: 17.377 min Scan# 2517

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

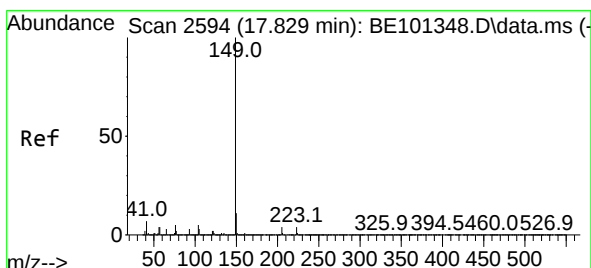
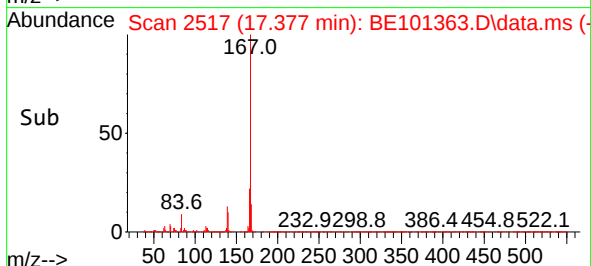
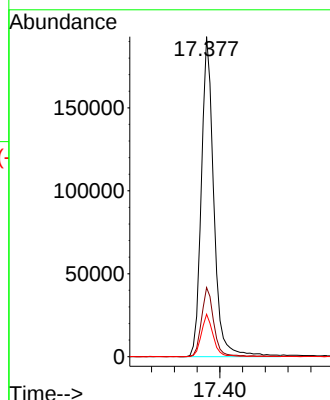
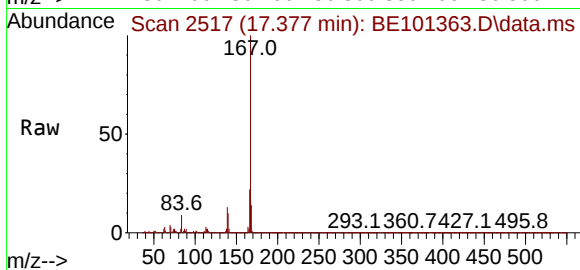
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	167	Resp:	29424
Ion Ratio	Lower	Upper	
167	100		
166	21.6	18.4	27.6
139	13.2	11.1	16.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#74

Di-n-butylphthalate

Concen: 4.192 ng

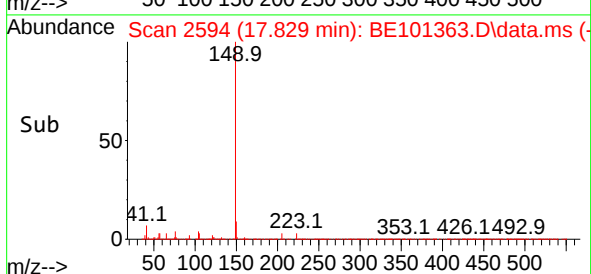
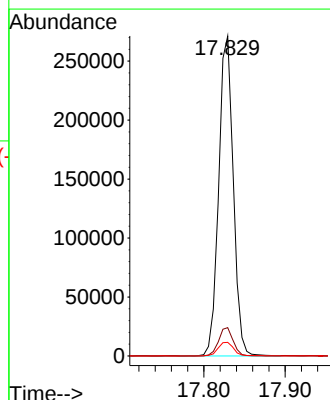
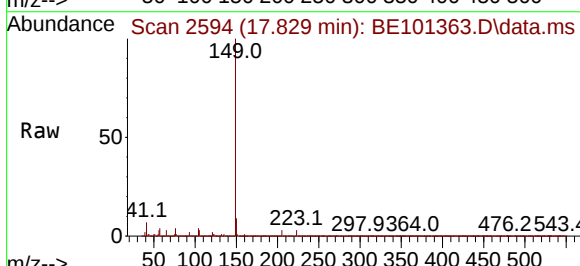
RT: 17.829 min Scan# 2594

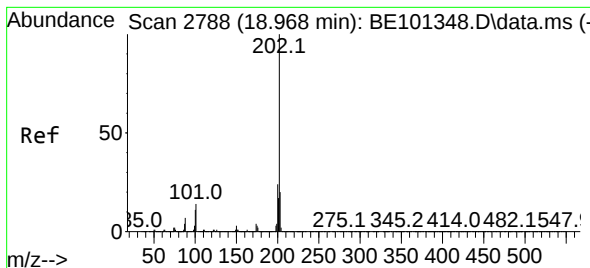
Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:	149	Resp:	338801
Ion Ratio	Lower	Upper	
149	100		
150	8.9	9.0	13.6#
104	4.3	4.4	6.6#





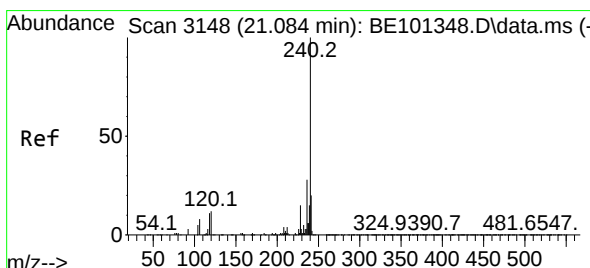
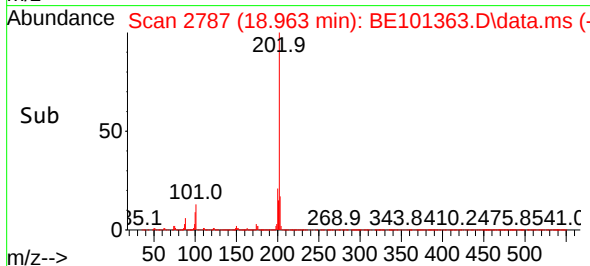
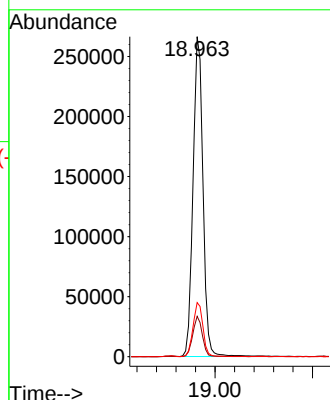
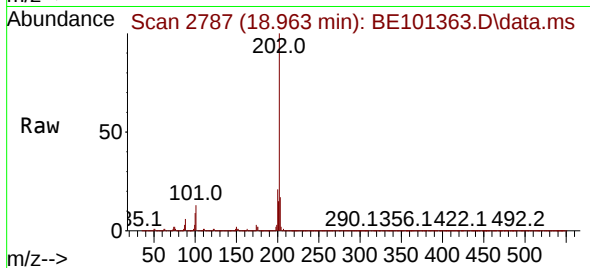
#75
Fluoranthene
Concen: 4.269 ng
RT: 18.963 min Scan# 21
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:202 Resp: 379375
Ion Ratio Lower Upper
202 100
101 12.6 0.0 34.2
203 16.9 0.4 40.4

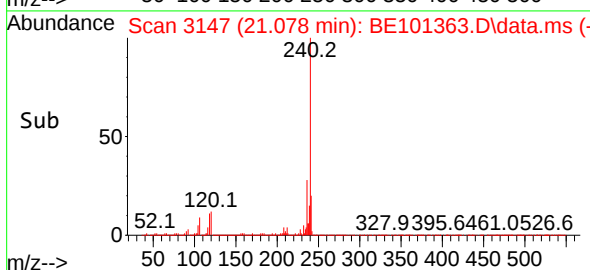
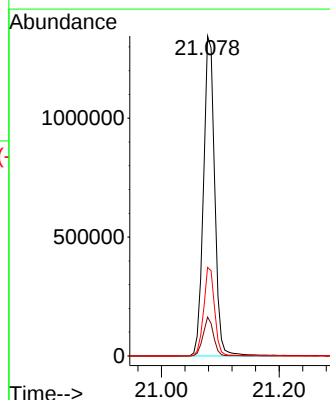
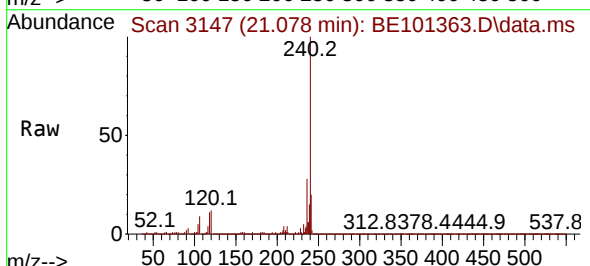
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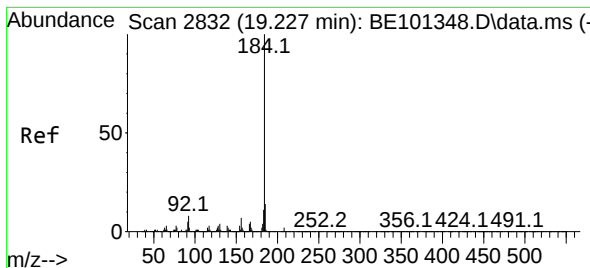
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.078 min Scan# 3147
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:240 Resp: 1790481
Ion Ratio Lower Upper
240 100
120 12.2 9.8 14.8
236 27.7 22.1 33.1





#77

Benzidine

Concen: 3.050 ng

RT: 19.222 min Scan# 2831

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

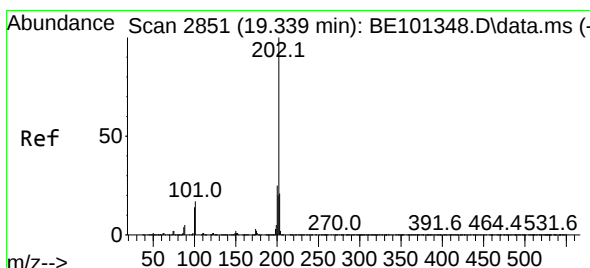
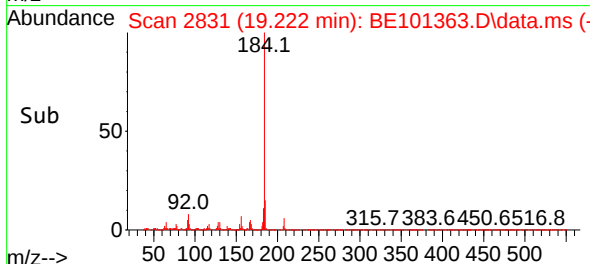
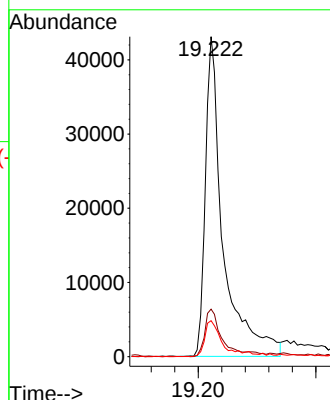
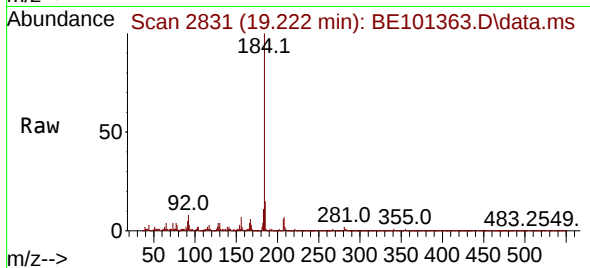
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:184	Resp:	90639
Ion Ratio	Lower	Upper
184	100	
185	14.9	11.4 17.2
183	11.2	9.1 13.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#78

Pyrene

Concen: 4.140 ng

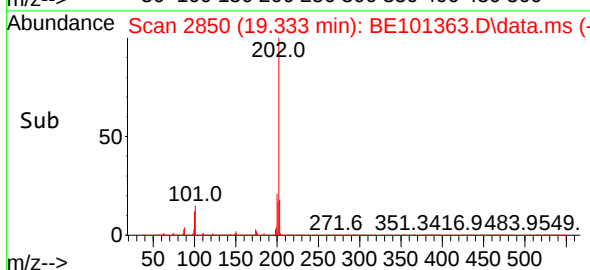
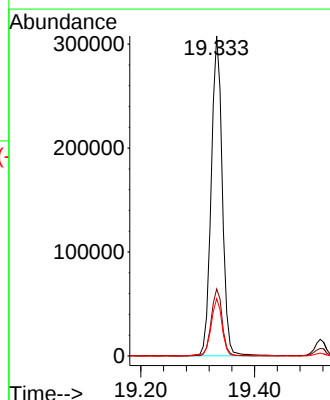
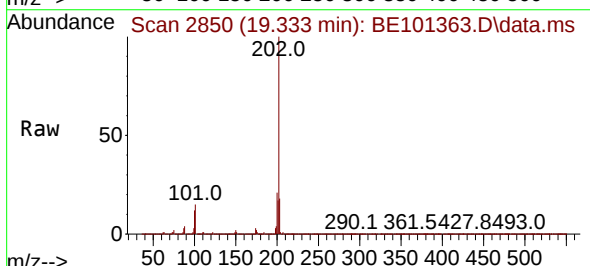
RT: 19.333 min Scan# 2850

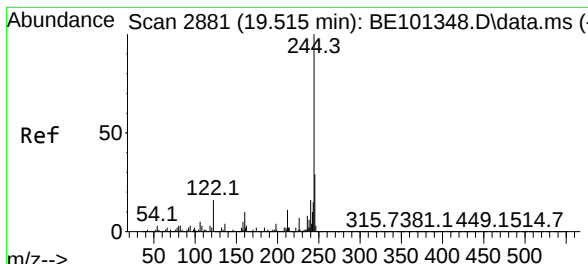
Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

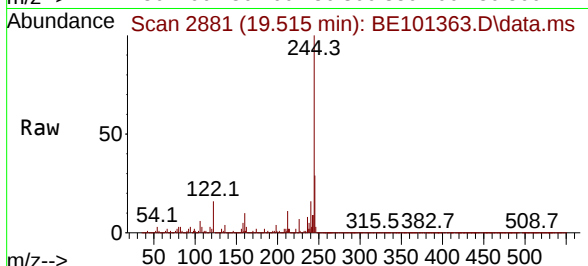
Tgt Ion:202	Resp:	412316
Ion Ratio	Lower	Upper
202	100	
200	20.9	20.2 30.2
203	17.9	16.6 25.0





#79
 Terphenyl-d14
 Concen: 61.013 ng
 RT: 19.515 min Scan# 2881
 Delta R.T. 0.000 min
 Lab File: BE101363.D
 Acq: 18 Sep 2024 14:47

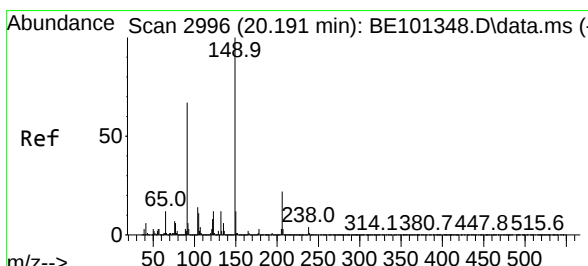
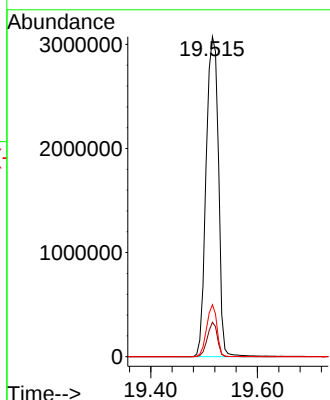
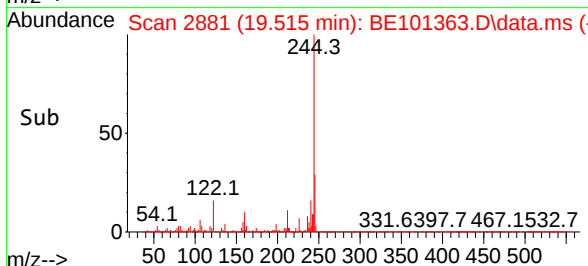
Instrument : BNA_E
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:244 Resp: 492674
 Ion Ratio Lower Upper
 244 100
 212 10.8 8.5 12.7
 122 16.2 13.1 19.7

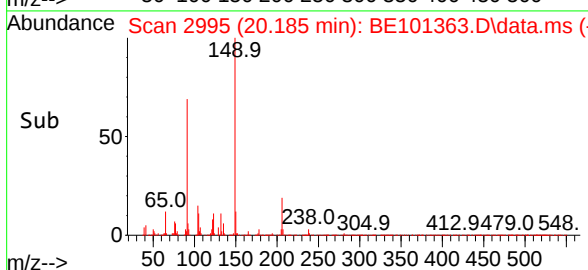
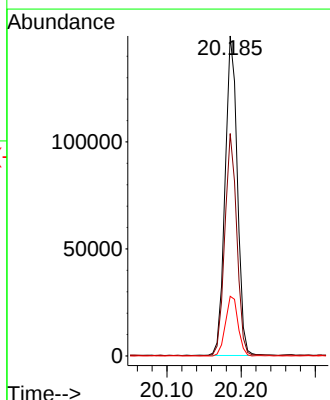
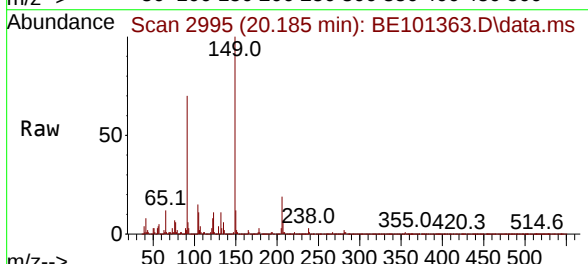
Manual Integrations
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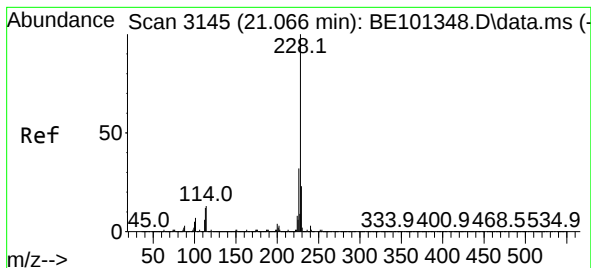
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#80
 Butylbenzylphthalate
 Concen: 3.890 ng
 RT: 20.185 min Scan# 2995
 Delta R.T. -0.005 min
 Lab File: BE101363.D
 Acq: 18 Sep 2024 14:47

Tgt Ion:149 Resp: 171479
 Ion Ratio Lower Upper
 149 100
 91 69.5 53.4 80.2
 206 18.6 17.4 26.0





#81

Benzo(a)anthracene

Concen: 4.416 ng

RT: 21.061 min Scan# 3145

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

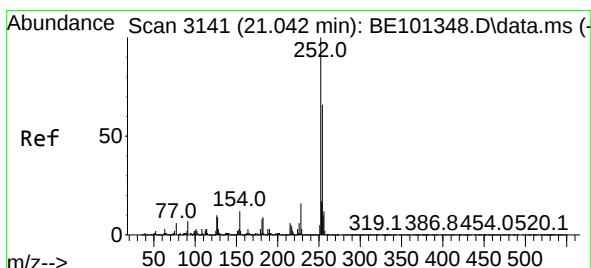
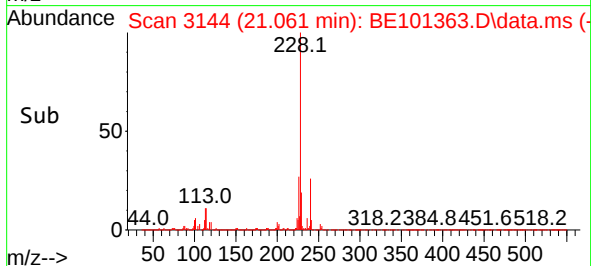
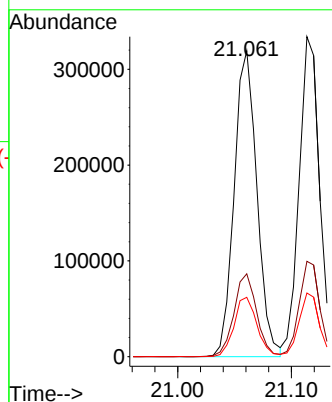
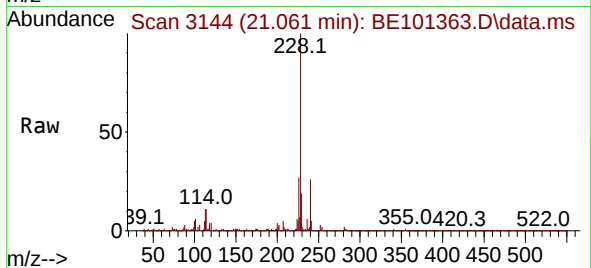
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	228	Resp:	444058
Ion Ratio	Lower	Upper	
228	100		
226	27.1	25.7	38.5
229	19.4	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#82

3,3'-Dichlorobenzidine

Concen: 3.764 ng

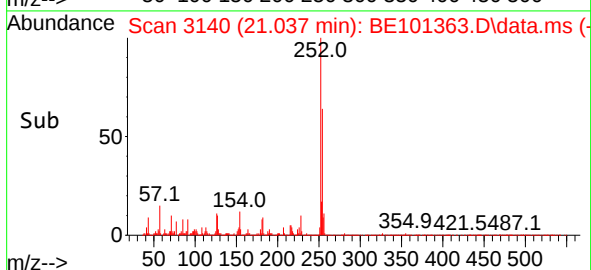
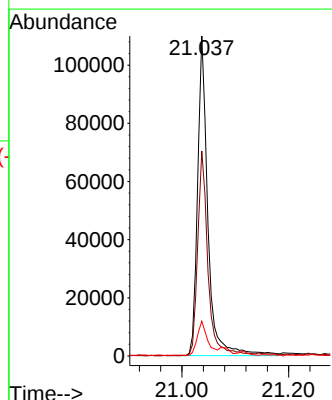
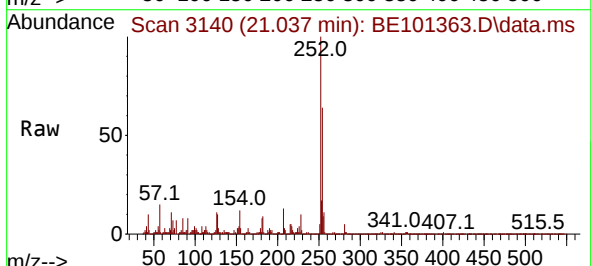
RT: 21.037 min Scan# 3140

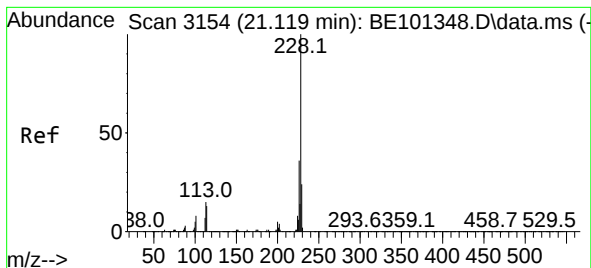
Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:	252	Resp:	148282
Ion Ratio	Lower	Upper	
252	100		
254	64.0	52.5	78.7
126	10.9	8.0	12.0





#83

Chrysene

Concen: 4.401 ng

RT: 21.114 min Scan# 3154

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

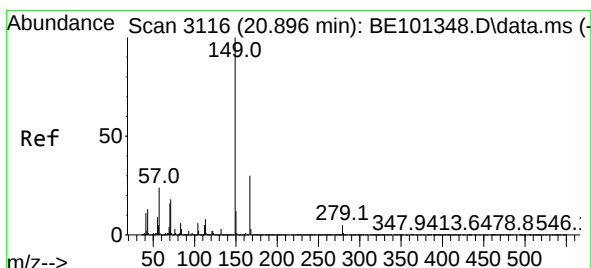
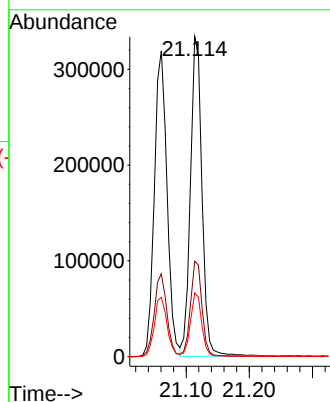
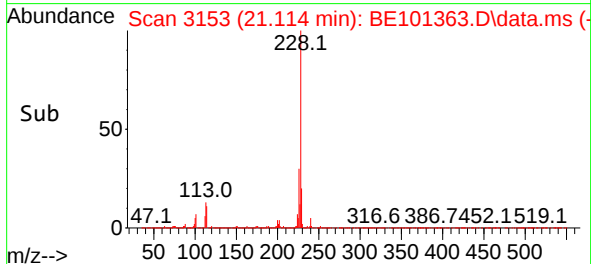
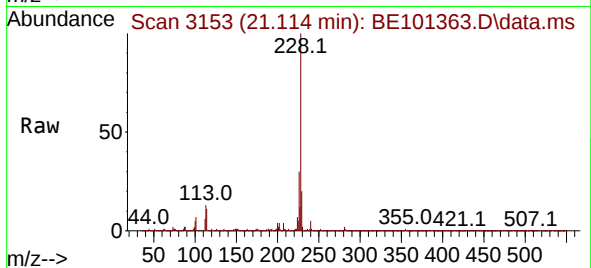
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	228	Resp:	425128
Ion Ratio	Lower	Upper	
228	100		
226	29.8	28.4	42.6
229	19.9	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.985 ng

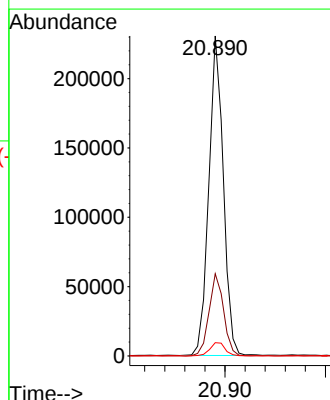
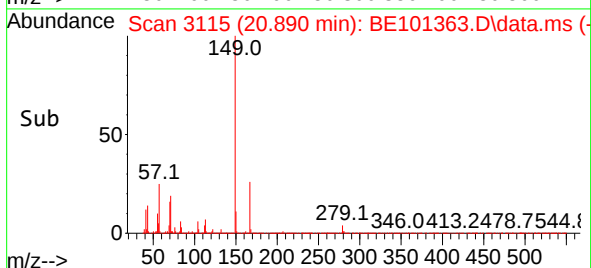
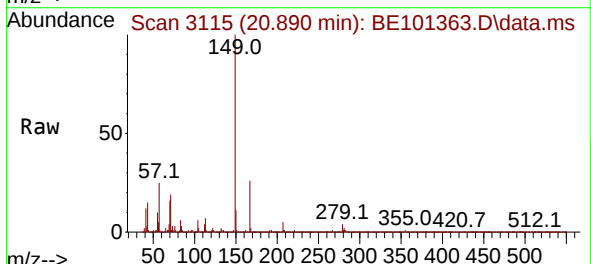
RT: 20.890 min Scan# 3115

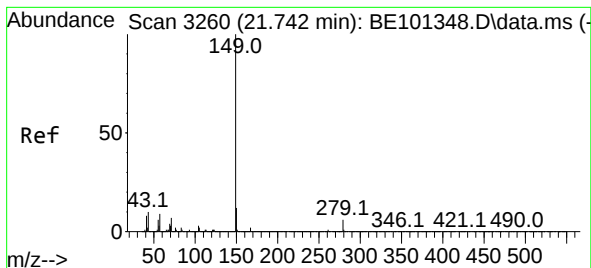
Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:	149	Resp:	232336
Ion Ratio	Lower	Upper	
149	100		
167	25.7	23.9	35.9
279	4.1	4.2	6.4#





#85

Di-n-octyl phthalate

Concen: 4.362 ng

RT: 21.736 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

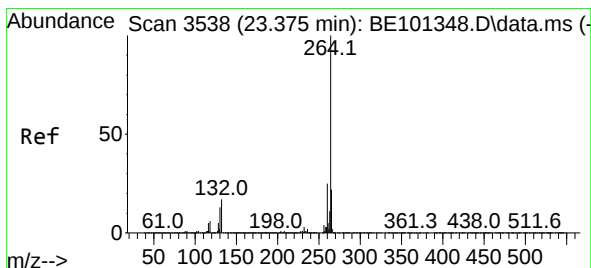
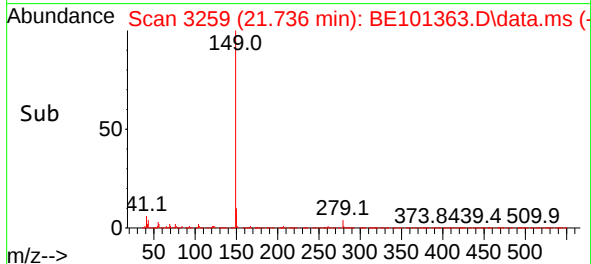
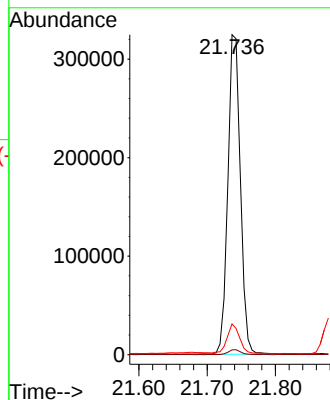
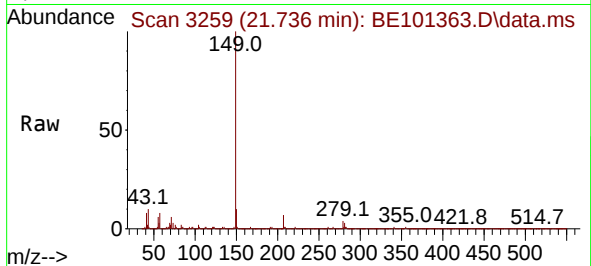
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	149	Resp:	415114
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.4	2.2
43	9.6	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#86

Perylene-d12

Concen: 20.000 ng

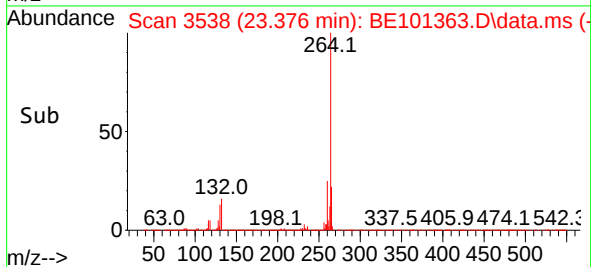
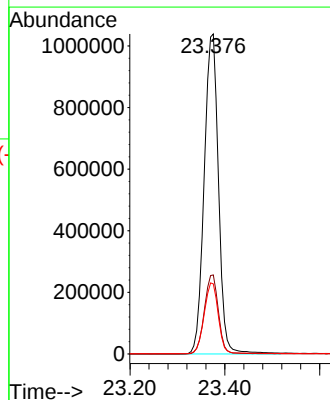
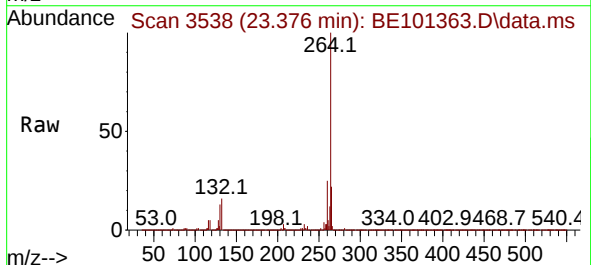
RT: 23.376 min Scan# 3538

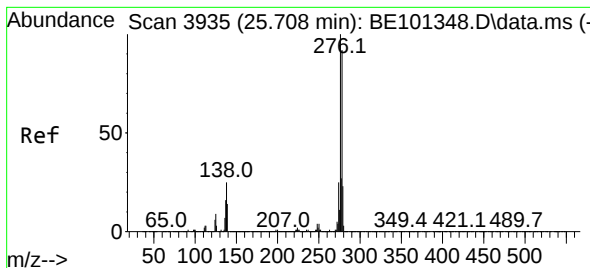
Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:	264	Resp:	2179414
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.8	29.6
265	21.9	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.033 ng

RT: 25.679 min Scan# 3935

Delta R.T. -0.029 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

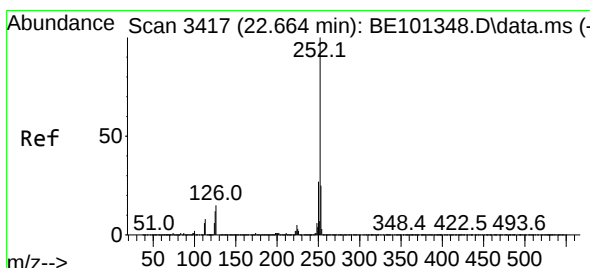
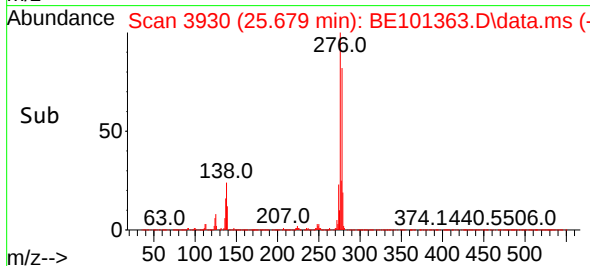
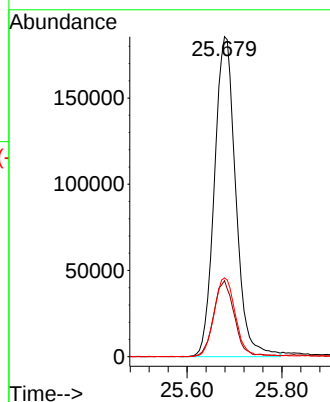
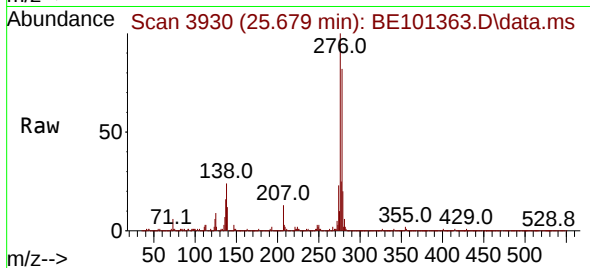
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	276	Resp:	579140
Ion Ratio	Lower	Upper	
276	100		
138	22.7	19.2	28.8
277	24.7	20.8	31.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#88

Benzo(b)fluoranthene

Concen: 4.003 ng

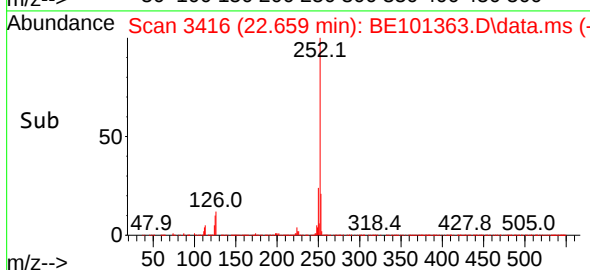
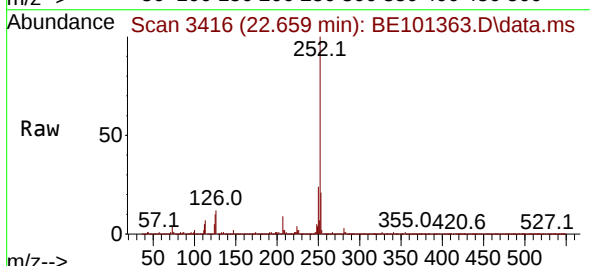
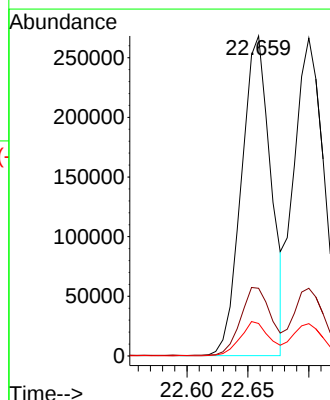
RT: 22.659 min Scan# 3416

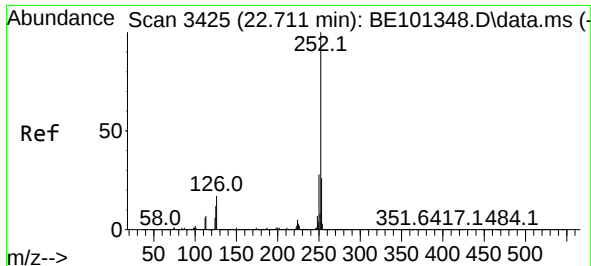
Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:	252	Resp:	451819
Ion Ratio	Lower	Upper	
252	100		
253	21.1	20.2	30.2
125	10.1	9.4	14.0





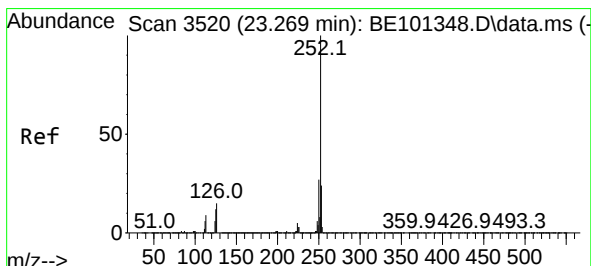
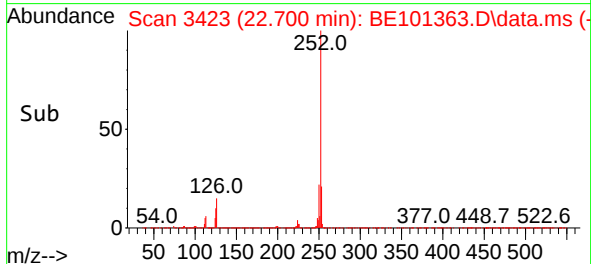
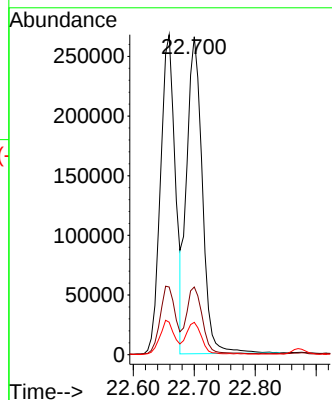
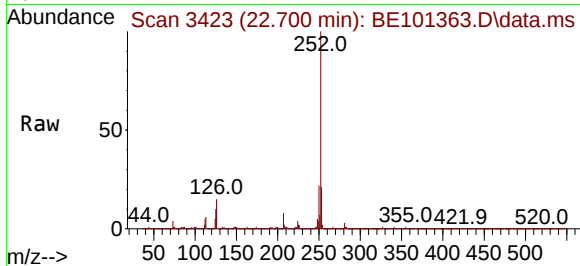
#89
Benzo(k)fluoranthene
Concen: 4.422 ng
RT: 22.700 min Scan# 3425
Delta R.T. -0.011 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:252 Resp: 471083
Ion Ratio Lower Upper
252 100
253 21.3 20.2 30.4
125 10.2 9.4 14.0

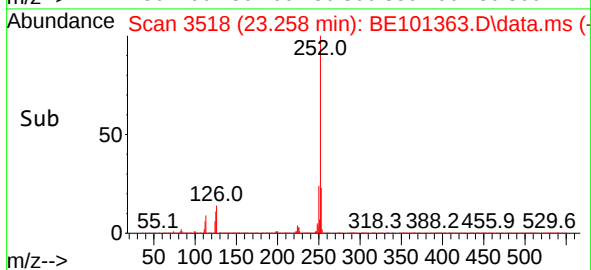
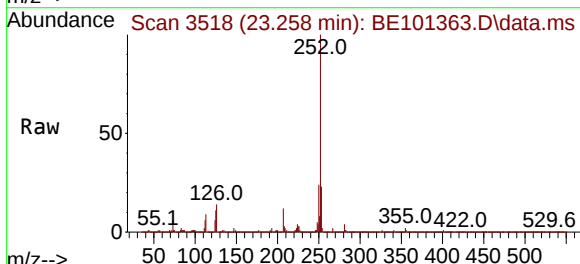
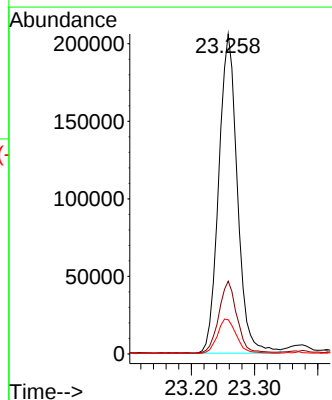
Manual Integrations
APPROVED

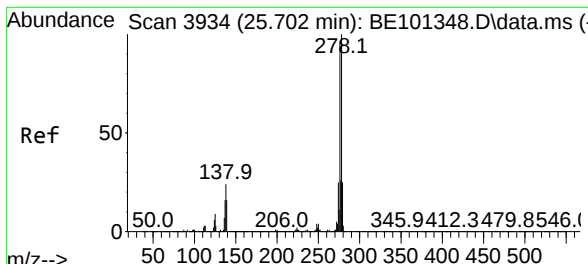
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90
Benzo(a)pyrene
Concen: 4.231 ng
RT: 23.258 min Scan# 3518
Delta R.T. -0.011 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:252 Resp: 421448
Ion Ratio Lower Upper
252 100
253 22.7 19.0 28.6
125 10.7 9.6 14.4





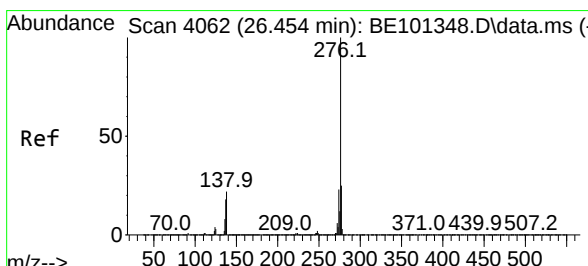
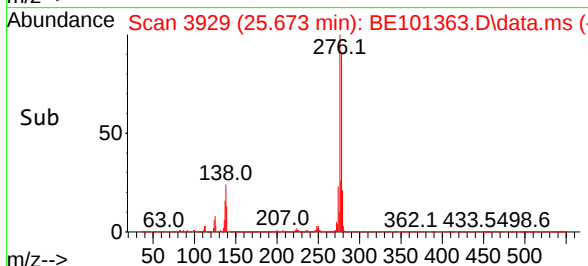
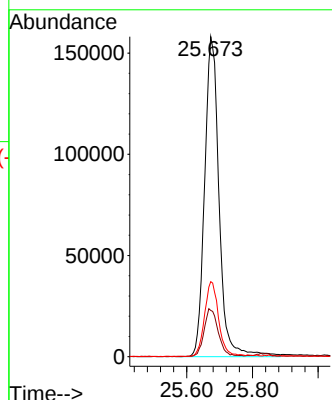
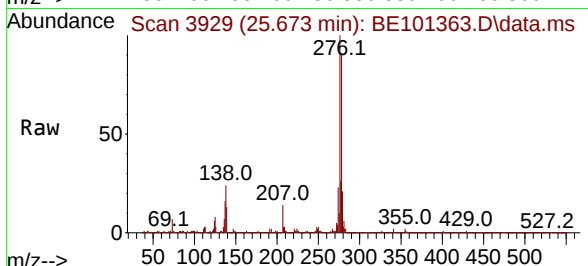
#91
 Dibenzo(a,h)anthracene
 Concen: 4.043 ng
 RT: 25.673 min Scan# 3934
 Delta R.T. -0.029 min
 Lab File: BE101363.D
 Acq: 18 Sep 2024 14:47

Instrument : BNA_E
 ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	278	Resp:	48601
Ion Ratio	Lower	Upper	
278	100		
139	14.5	12.4	18.6
279	23.5	19.8	29.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#92
 Benzo(g,h,i)perylene
 Concen: 3.698 ng
 RT: 26.425 min Scan# 4057
 Delta R.T. -0.029 min
 Lab File: BE101363.D
 Acq: 18 Sep 2024 14:47

Tgt Ion:	276	Resp:	451400
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.8	29.8
138	19.6	17.4	26.0

