

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101364.D
 Acq On : 18 Sep 2024 15:26
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 18 16:47:18 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	7.571	152	162467	20.000	ng	0.00
21) Naphthalene-d8	10.345	136	791239	20.000	ng	0.00
39) Acenaphthene-d10	14.181	164	589289	20.000	ng	0.00
64) Phenanthrene-d10	16.919	188	1414699	20.000	ng	0.00
76) Chrysene-d12	21.079	240	1627361	20.000	ng	0.00
86) Perylene-d12	23.371	264	1968599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.321	112	1250777	134.607	ng	0.00
7) Phenol-d6	6.949	99	1718313	130.446	ng	0.00
23) Nitrobenzene-d5	8.788	82	1250074	100.162	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	1448587	146.151	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	3216982	94.337	ng	0.00
79) Terphenyl-d14	19.516	244	4974598	67.780	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.224	88	33041	9.338	ng	97
3) Pyridine	3.758	79	72774m	7.140	ng	
4) n-Nitrosodimethylamine	3.617	42	32529m	8.883	ng	
6) Aniline	7.019	93	130749	11.831	ng	98
8) 2-Chlorophenol	7.219	128	99798	8.938	ng	100
9) Benzaldehyde	6.790	77	79332	13.104	ng	95
10) Phenol	6.978	94	114725	7.924	ng	98
11) bis(2-Chloroethyl)ether	7.048	93	92754m	7.569	ng	
12) 1,3-Dichlorobenzene	7.460	146	104646	8.720	ng	99
13) 1,4-Dichlorobenzene	7.607	146	108123	8.843	ng	98
14) 1,2-Dichlorobenzene	7.936	146	104593	8.633	ng	95
15) Benzyl Alcohol	7.918	79	81055	10.334	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.071	45	142225	9.209	ng	100
17) 2-Methylphenol	8.159	107	77913	8.121	ng	98
18) Hexachloroethane	8.629	117	33467	8.370	ng	98
19) n-Nitroso-di-n-propyla...	8.376	70	80338	8.641	ng	96
20) 3+4-Methylphenols	8.494	107	104325	7.728	ng	99
22) Acetophenone	8.429	105	164684	8.976	ng	# 98
24) Nitrobenzene	8.823	77	118995	8.931	ng	99
25) Isophorone	9.281	82	230190	9.010	ng	100
26) 2-Nitrophenol	9.516	139	53016	8.431	ng	95
27) 2,4-Dimethylphenol	9.634	122	49920	6.184	ng	97
28) bis(2-Chloroethoxy)met...	9.781	93	136143	8.809	ng	98
29) 2,4-Dichlorophenol	10.063	162	92356	8.354	ng	96
30) 1,2,4-Trichlorobenzene	10.186	180	102651	8.591	ng	98
31) Naphthalene	10.392	128	352380	8.826	ng	99
32) Benzoic acid	9.828	122	35272	10.815	ng	99
33) 4-Chloroaniline	10.621	127	136833	8.958	ng	99
34) Hexachlorobutadiene	10.638	225	58901	8.485	ng	98
35) Caprolactam	11.402	113	38182m	8.549	ng	
36) 4-Chloro-3-methylphenol	11.790	107	110935	8.492	ng	99
37) 2-Methylnaphthalene	11.978	142	255579	8.753	ng	99
38) 1-Methylnaphthalene	12.207	142	244757	8.356	ng	98
40) 1,2,4,5-Tetrachloroben...	12.336	216	123902	8.728	ng	99
41) Hexachlorocyclopentadiene	12.319	237	28076	6.019	ng	100
43) 2,4,6-Trichlorophenol	12.654	196	83656	8.321	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.754	196	91583	8.074	ng	95
46) 1,1'-Biphenyl	13.012	154	367476	9.202	ng	100
47) 2-Chloronaphthalene	13.053	162	272445	8.673	ng	99
48) 2-Nitroaniline	13.388	65	70360	8.325	ng	96
49) Acenaphthylene	13.911	152	453467	9.675	ng	98
50) Dimethylphthalate	13.682	163	387618	9.116	ng	100
51) 2,6-Dinitrotoluene	13.823	165	79132	8.316	ng	98
52) Acenaphthene	14.246	154	270778	8.764	ng	95
53) 3-Nitroaniline	14.234	138	82556	8.434	ng	97
54) 2,4-Dinitrophenol	14.369	184	37127	6.554	ng	93
55) Dibenzofuran	14.587	168	460108	9.428	ng	97
56) 4-Nitrophenol	14.651	139	67260	8.265	ng	96
57) 2,4-Dinitrotoluene	14.604	165	104423	8.061	ng	# 87
58) Fluorene	15.227	166	371310	9.030	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.851	232	94210	8.782	ng	99
60) Diethylphthalate	15.010	149	404813	9.176	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	178523	8.851	ng	98
62) 4-Nitroaniline	15.415	138	86004	8.430	ng	92
63) Azobenzene	15.509	77	352168	9.341	ng	97
65) 4,6-Dinitro-2-methylph...	15.351	198	55336	6.888	ng	97
66) n-Nitrosodiphenylamine	15.462	169	337843	8.959	ng	98
67) 4-Bromophenyl-phenylether	16.103	248	123176	8.381	ng	97
68) Hexachlorobenzene	16.202	284	157210	8.277	ng	99
69) Atrazine	16.396	200	129706	10.416	ng	98
70) Pentachlorophenol	16.614	266	84867	7.478	ng	97
71) Phenanthrene	16.960	178	644613	9.594	ng	97
72) Anthracene	17.049	178	602246	9.211	ng	96
73) Carbazole	17.378	167	629562	9.396	ng	97
74) Di-n-butylphthalate	17.830	149	728994	9.909	ng	# 95
75) Fluoranthene	18.964	202	795482	9.835	ng	95
77) Benzidine	19.222	184	255448	9.458	ng	99
78) Pyrene	19.334	202	854332	9.439	ng	93
80) Butylbenzylphthalate	20.186	149	363296	9.068	ng	98
81) Benzo(a)anthracene	21.061	228	914317	10.005	ng	92
82) 3,3'-Dichlorobenzidine	21.038	252	328689	9.179	ng	99
83) Chrysene	21.114	228	888761	10.124	ng	92
84) Bis(2-ethylhexyl)phtha...	20.891	149	491662	9.279	ng	94
85) Di-n-octyl phthalate	21.743	149	859747	9.940	ng	99
87) Indeno(1,2,3-cd)pyrene	25.680	276	1253701	9.666	ng	98
88) Benzo(b)fluoranthene	22.660	252	1006443	9.871	ng	94
89) Benzo(k)fluoranthene	22.701	252	937786	9.745	ng	94
90) Benzo(a)pyrene	23.259	252	892377	9.917	ng	97
91) Dibenzo(a,h)anthracene	25.680	278	1044529	9.619	ng	98
92) Benzo(g,h,i)perylene	26.432	276	972918	8.824	ng	97

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

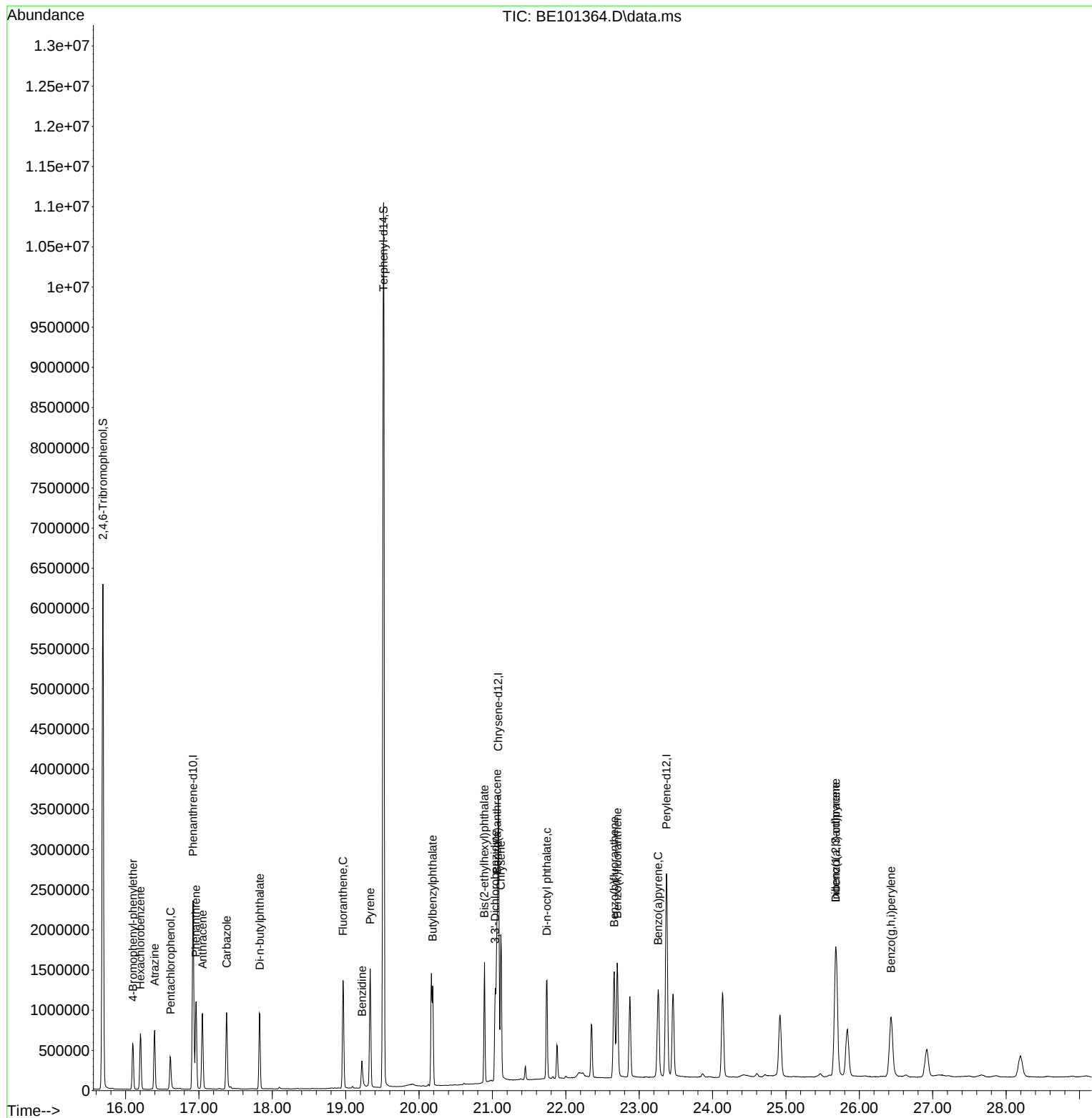
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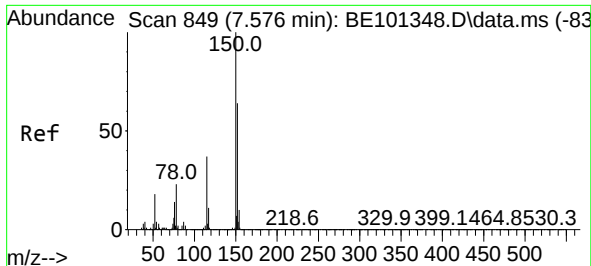
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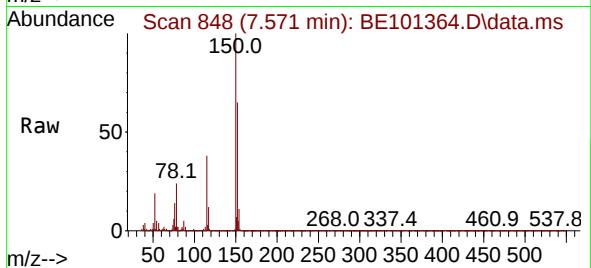
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.571 min Scan# 849
Delta R.T. -0.005 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

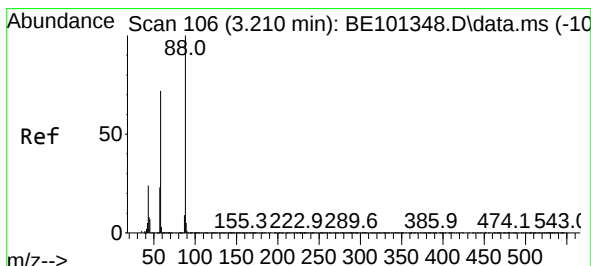
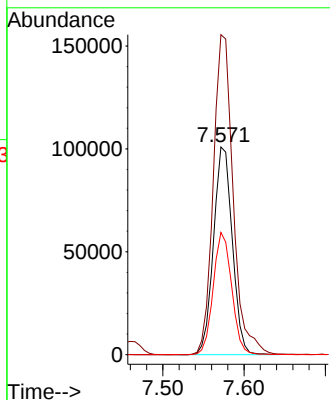
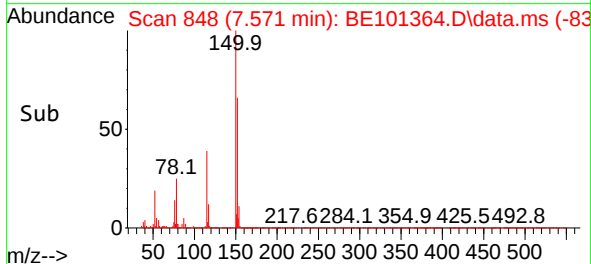
Instrument : BNA_E
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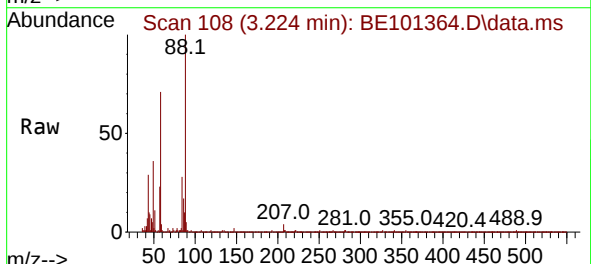
Tgt Ion:152 Resp: 16246
Ion Ratio Lower Upper
152 100
150 154.1 125.9 188.9
115 58.9 46.9 70.3

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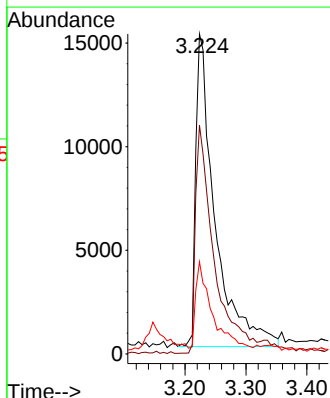
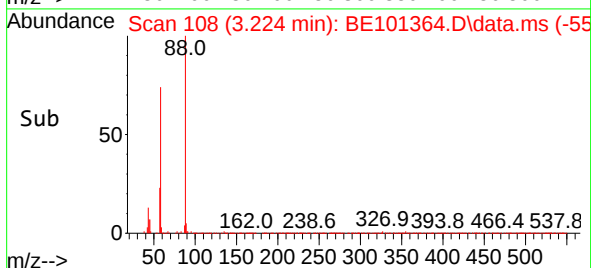
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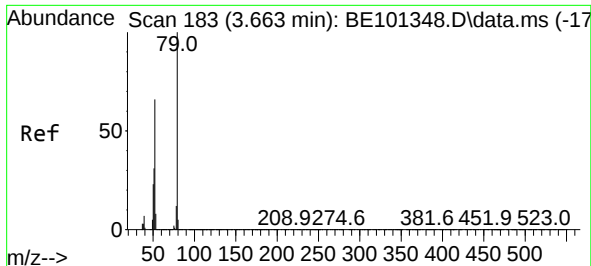


#2
1,4-Dioxane
Concen: 9.338 ng
RT: 3.224 min Scan# 108
Delta R.T. 0.013 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



Tgt Ion: 88 Resp: 33041
Ion Ratio Lower Upper
88 100
58 70.3 58.8 88.2
43 24.0 19.4 29.2





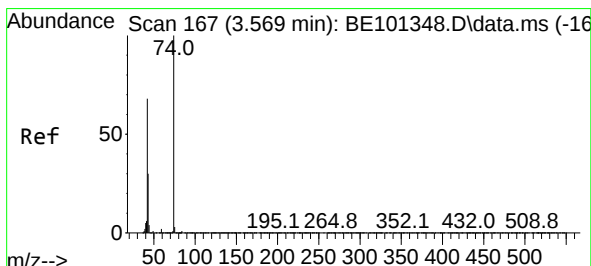
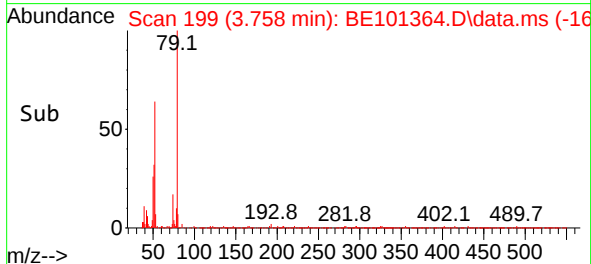
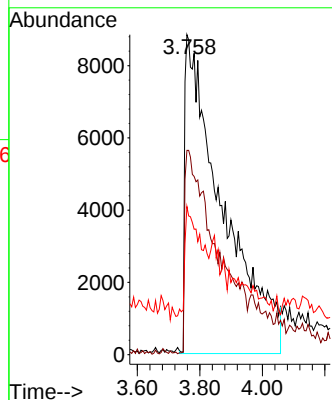
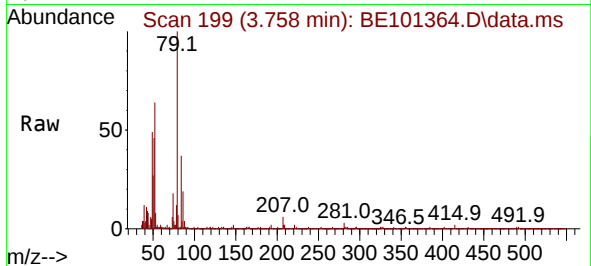
#3
Pyridine
Concen: 7.140 ng m
RT: 3.758 min Scan# 183
Delta R.T. 0.095 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion: 79 Resp: 72774
Ion Ratio Lower Upper
79 100
52 63.8 52.6 78.8
51 46.3 26.2 39.2

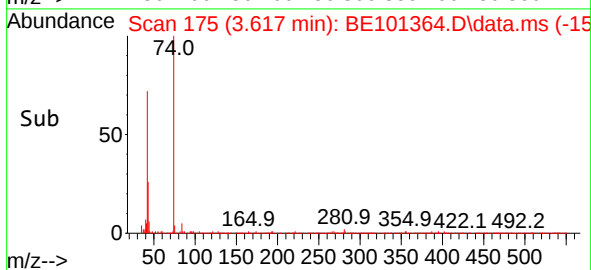
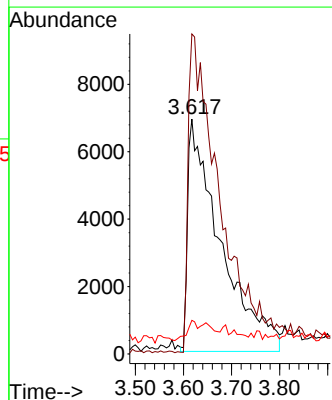
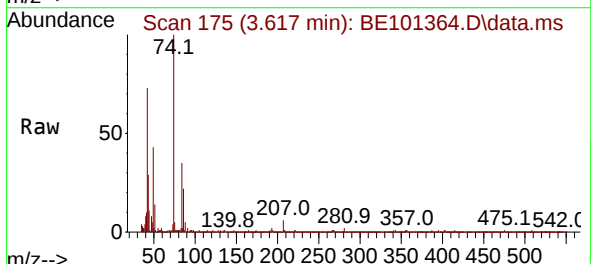
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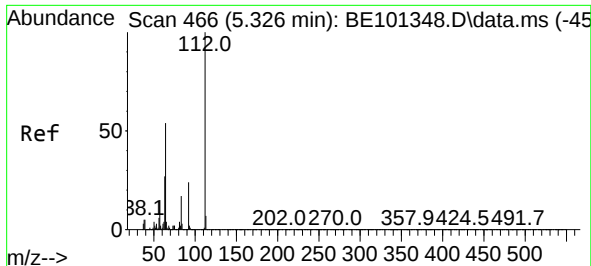
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#4
n-Nitrosodimethylamine
Concen: 8.883 ng m
RT: 3.617 min Scan# 175
Delta R.T. 0.048 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 42 Resp: 32529
Ion Ratio Lower Upper
42 100
74 136.2 117.0 175.4
44 14.3 5.9 8.9





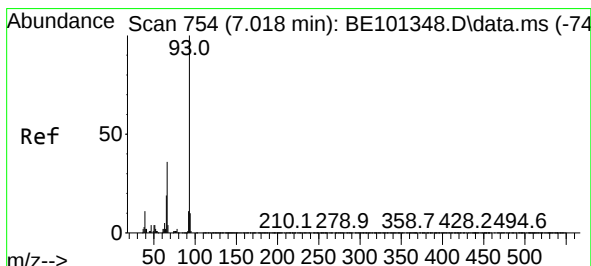
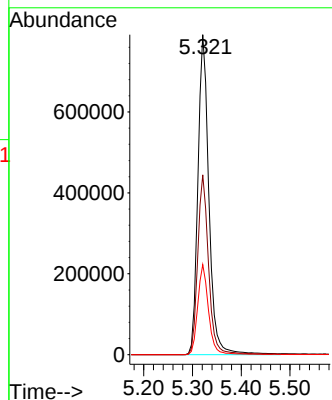
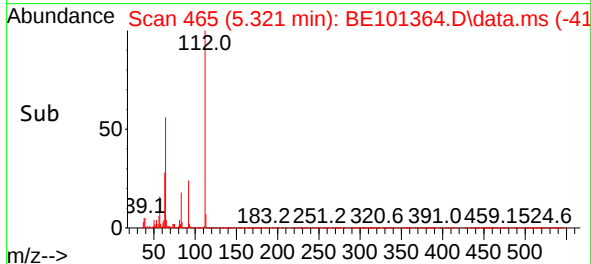
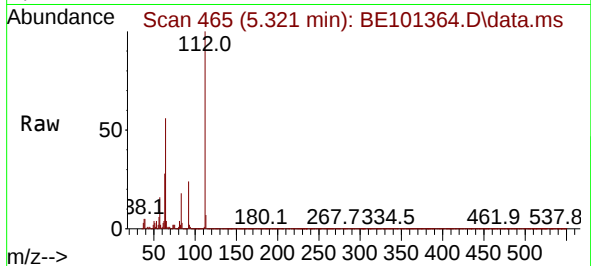
#5
2-Fluorophenol
Concen: 134.607 ng
RT: 5.321 min Scan# 466
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:112 Resp: 125077
Ion Ratio Lower Upper
112 100
64 56.2 42.8 64.2
63 28.1 21.3 31.9

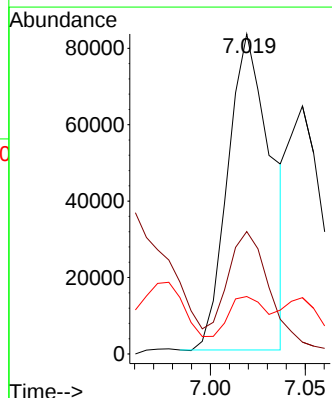
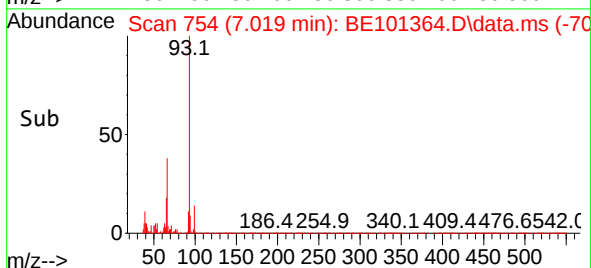
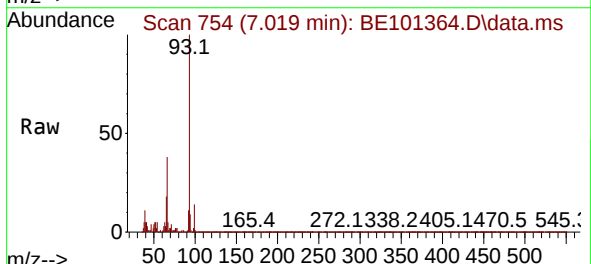
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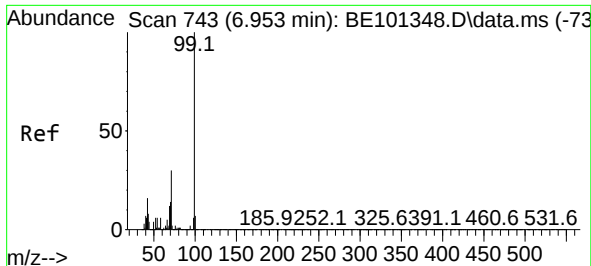
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#6
Aniline
Concen: 11.831 ng
RT: 7.019 min Scan# 754
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

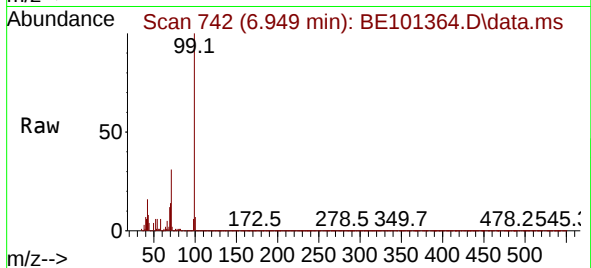
Tgt Ion: 93 Resp: 130749
Ion Ratio Lower Upper
93 100
66 38.2 30.0 45.0
65 18.0 15.8 23.8





#7
Phenol-d6
Concen: 130.446 ng
RT: 6.949 min Scan# 743
Delta R.T. -0.004 min
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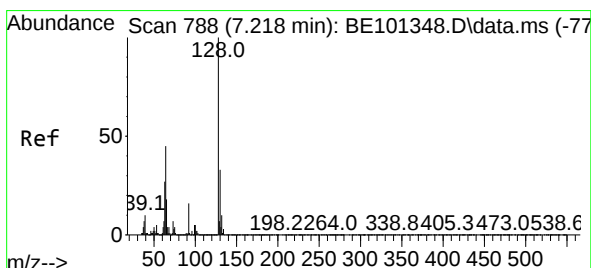
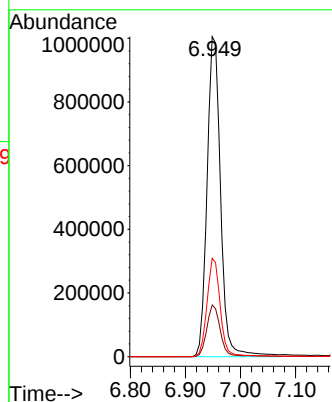
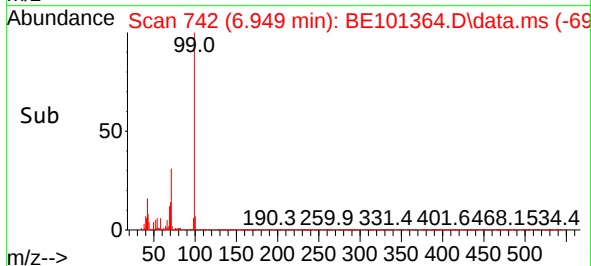
Instrument :
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Tgt Ion: 99 Resp: 171831
Ion Ratio Lower Upper
99 100
42 16.2 12.8 19.2
71 30.8 23.8 35.6

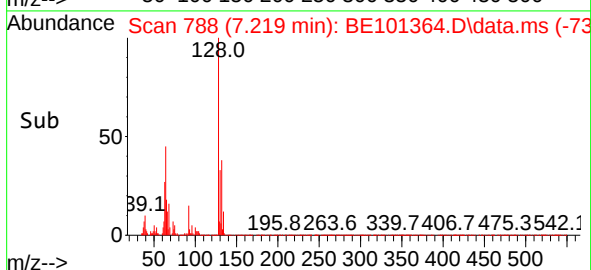
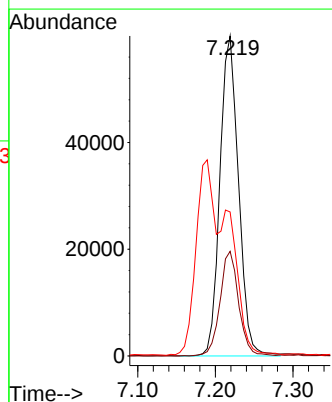
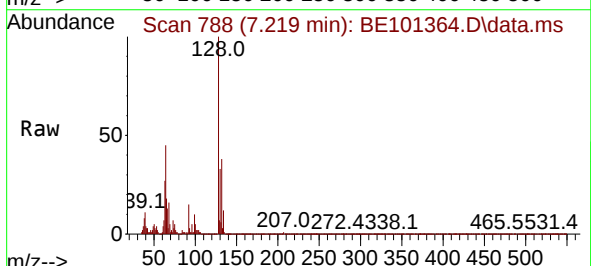
Manual Integrations
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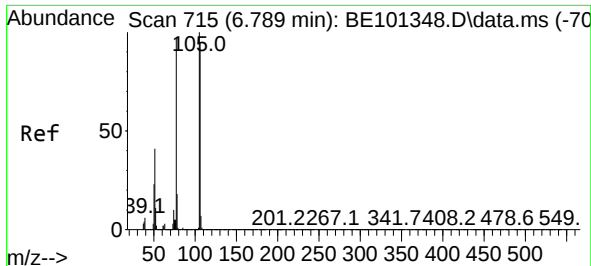
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Supervised By :mohammad ahmed 09/20/2024



#8
2-Chlorophenol
Concen: 8.938 ng
RT: 7.219 min Scan# 788
Delta R.T. 0.001 min
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Tgt Ion:128 Resp: 99798
Ion Ratio Lower Upper
128 100
130 32.7 12.8 52.8
64 45.0 24.9 64.9





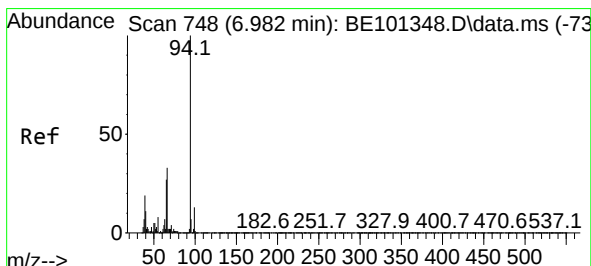
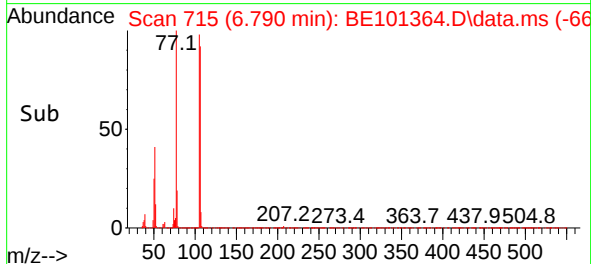
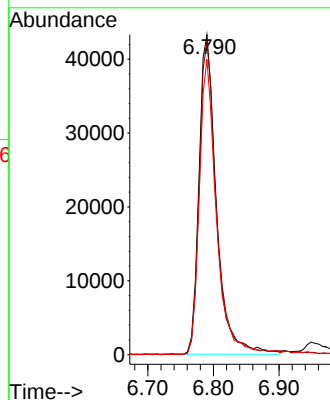
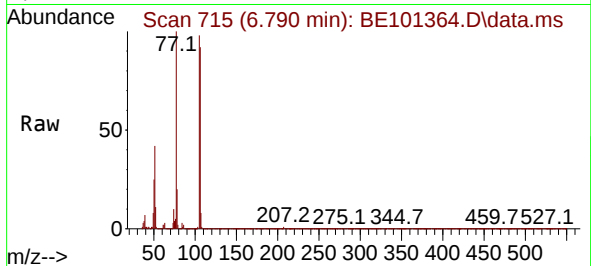
#9
Benzaldehyde
Concen: 13.104 ng
RT: 6.790 min Scan# 715
Delta R.T. 0.001 min
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Tgt Ion: 77	Resp: 7933
Ion Ratio	Lower Upper
77 100	
105 97.8	82.8 122.8
106 92.3	77.9 117.9

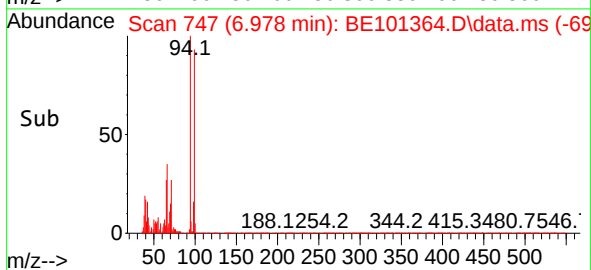
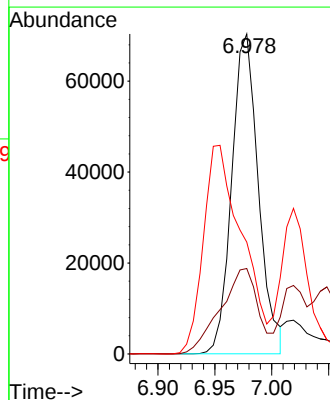
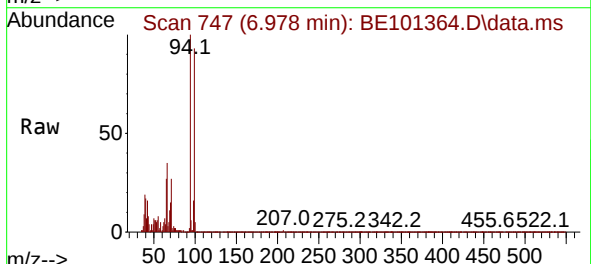
Manual Integrations
APPROVED

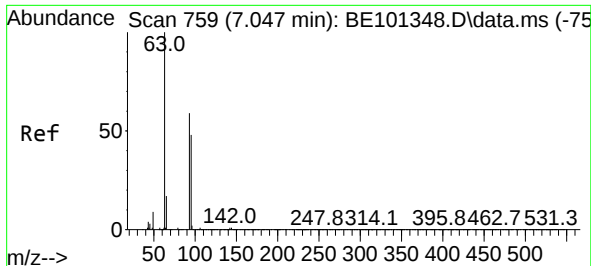
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#10
Phenol
Concen: 7.924 ng
RT: 6.978 min Scan# 747
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

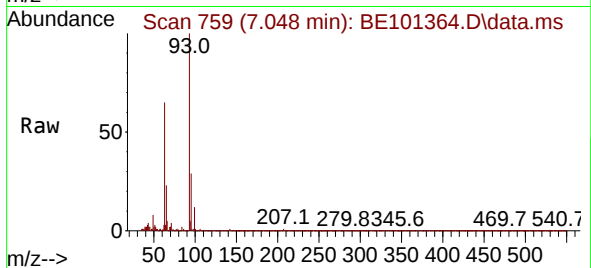
Tgt Ion: 94	Resp: 114725
Ion Ratio	Lower Upper
94 100	
65 26.7	7.1 47.1
66 34.9	13.1 53.1





#11
bis(2-Chloroethyl)ether
Concen: 7.569 ng m
RT: 7.048 min Scan# 70
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

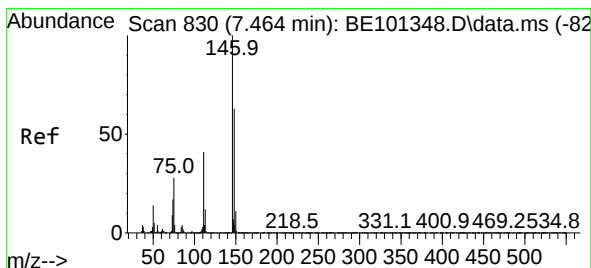
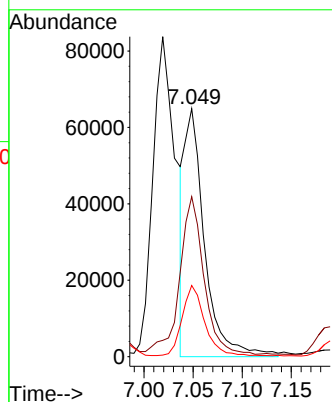
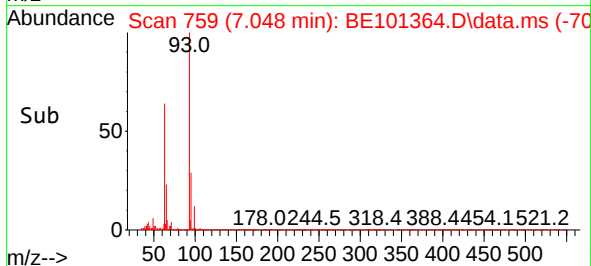
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



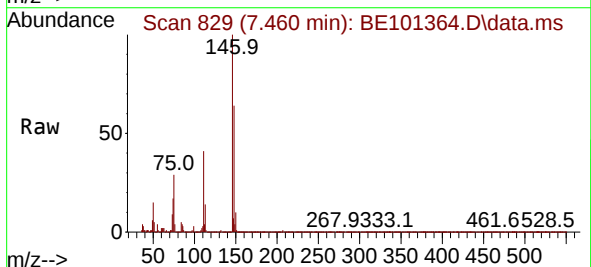
Tgt Ion: 93 Resp: 92754
Ion Ratio Lower Upper
93 100
63 64.5 43.7 83.7
95 28.7 8.7 48.7

Manual Integrations
APPROVED

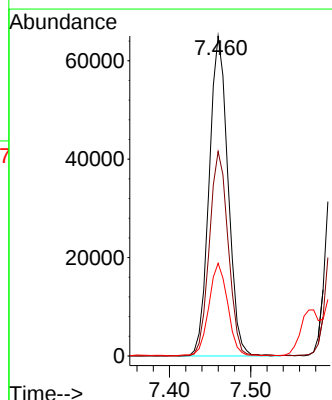
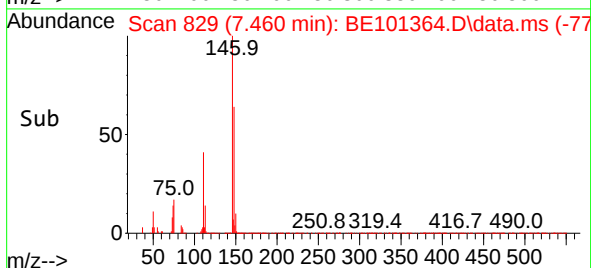
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

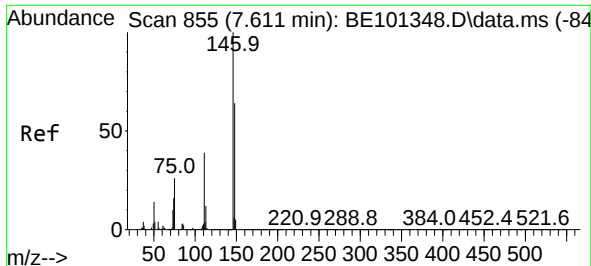


#12
1,3-Dichlorobenzene
Concen: 8.720 ng
RT: 7.460 min Scan# 829
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



Tgt Ion:146 Resp: 104646
Ion Ratio Lower Upper
146 100
148 63.9 50.8 76.2
75 29.0 22.1 33.1





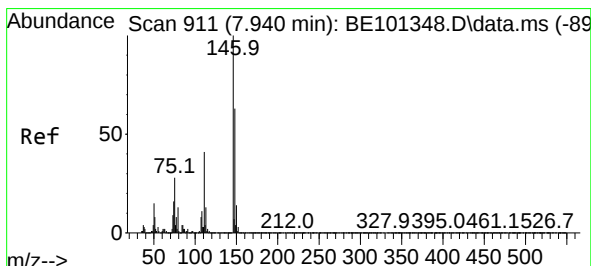
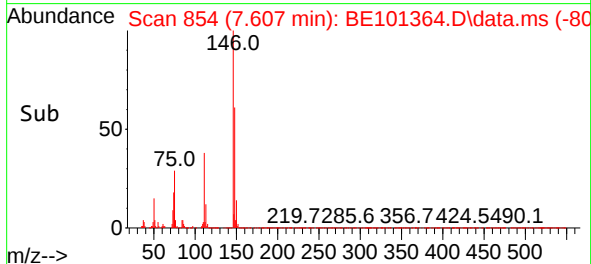
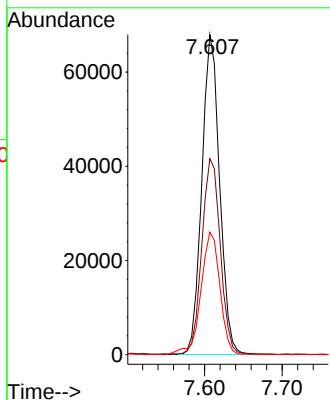
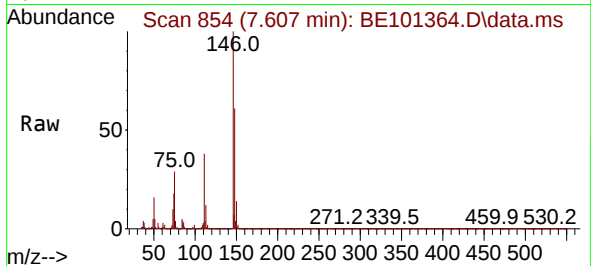
#13
1,4-Dichlorobenzene
Concen: 8.843 ng
RT: 7.607 min Scan# 810
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:146 Resp: 10812
Ion Ratio Lower Upper
146 100
148 61.3 51.1 76.7
111 38.3 31.1 46.7

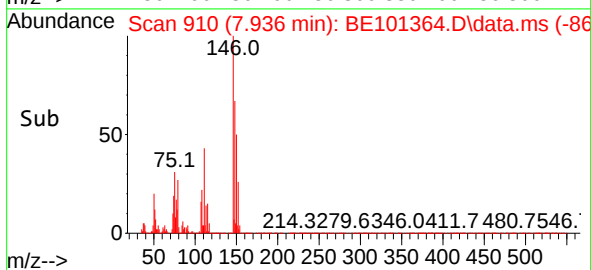
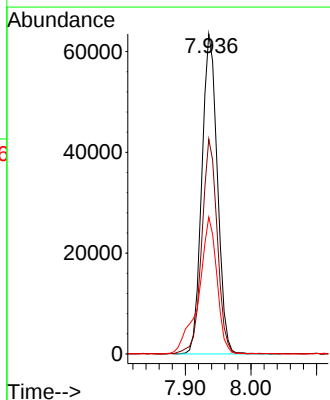
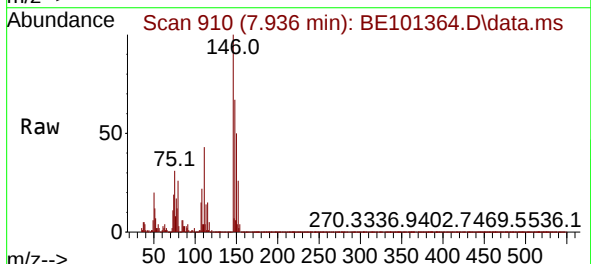
Manual Integrations
APPROVED

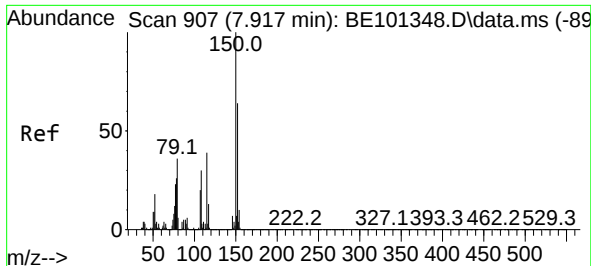
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#14
1,2-Dichlorobenzene
Concen: 8.633 ng
RT: 7.936 min Scan# 910
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

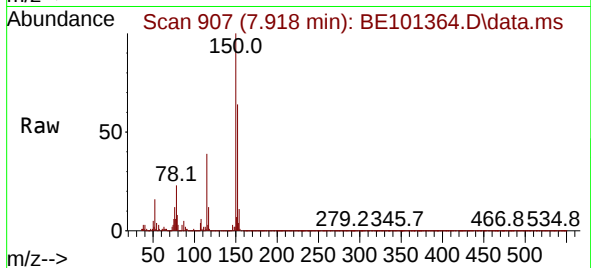
Tgt Ion:146 Resp: 104593
Ion Ratio Lower Upper
146 100
148 67.1 50.4 75.6
111 42.7 32.6 48.8





#15
Benzyl Alcohol
Concen: 10.334 ng
RT: 7.918 min Scan# 907
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

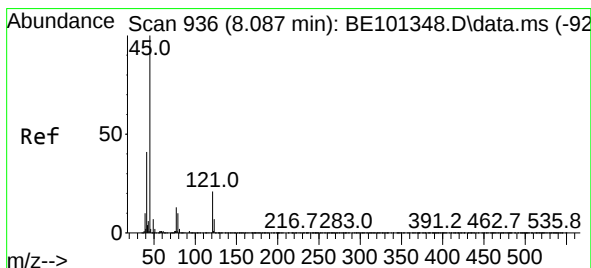
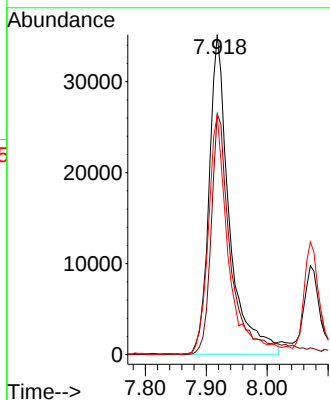
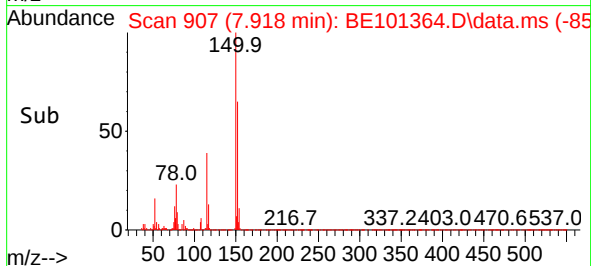
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 79 Resp: 8105
Ion Ratio Lower Upper
79 100
108 75.2 66.0 99.0
77 74.8 51.0 76.6

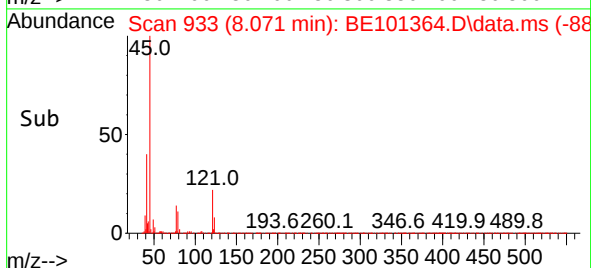
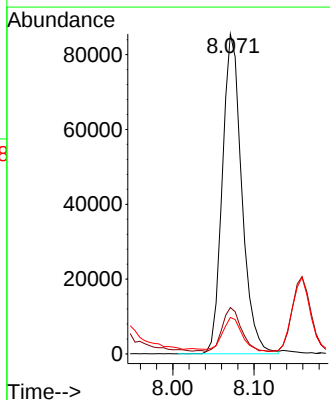
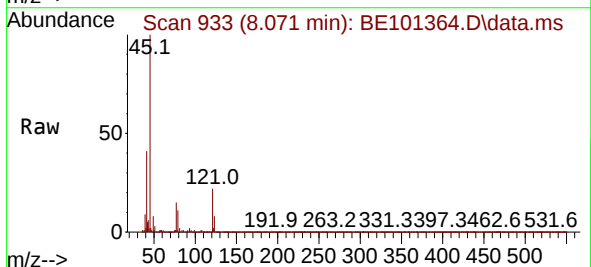
Manual Integrations
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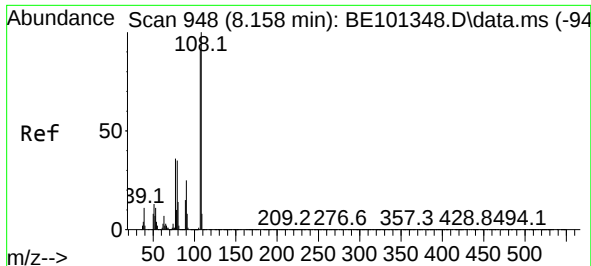
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.209 ng
RT: 8.071 min Scan# 933
Delta R.T. -0.016 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 45 Resp: 142225
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.3
79 11.4 0.0 31.6





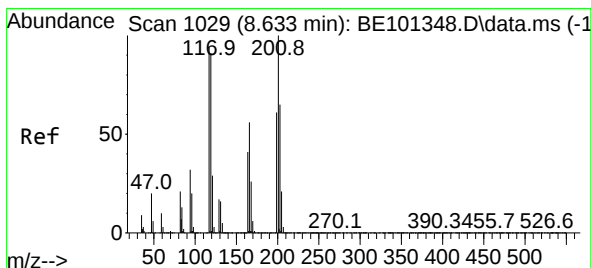
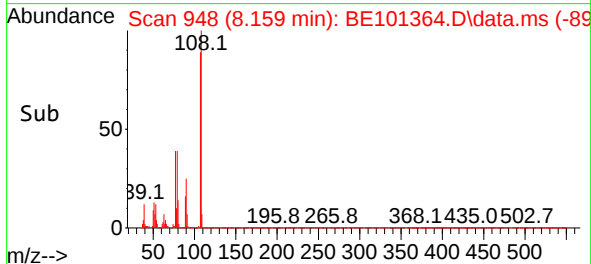
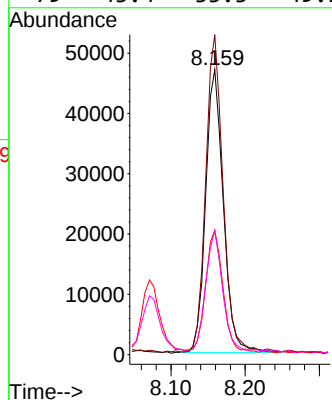
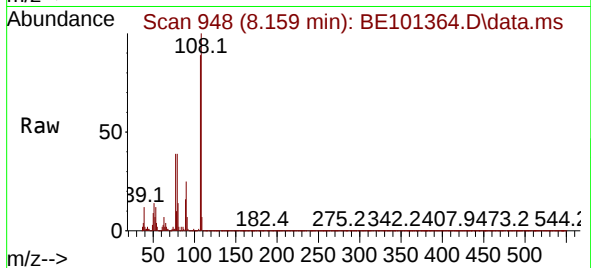
#17
2-Methylphenol
Concen: 8.121 ng
RT: 8.159 min Scan# 948
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.2	88.2	132.2
77	43.7	34.9	52.3
79	43.4	33.3	49.9

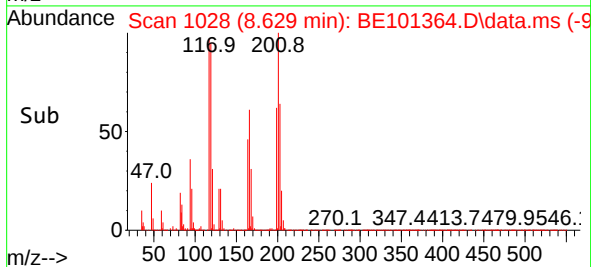
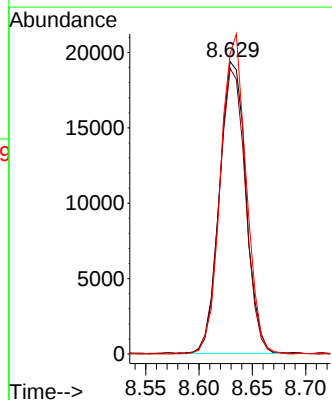
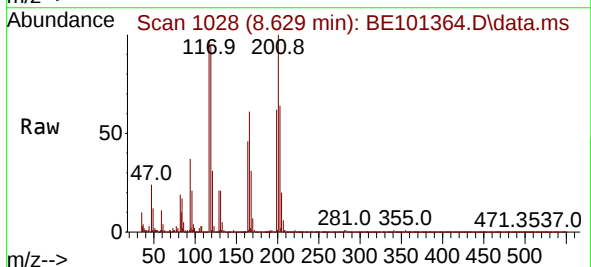
Manual Integrations
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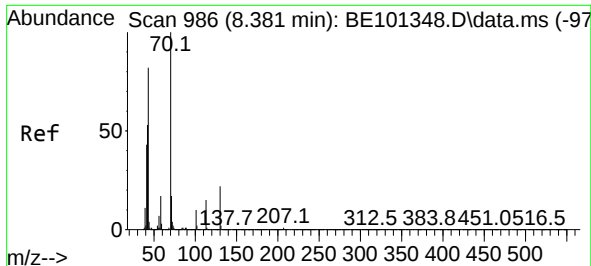
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#18
Hexachloroethane
Concen: 8.370 ng
RT: 8.629 min Scan# 1028
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.2
201	102.7	84.8	127.2





#19

n-Nitroso-di-n-propylamine

Concen: 8.641 ng

RT: 8.376 min Scan# 9

Delta R.T. -0.004 min

Lab File: BE101364.D

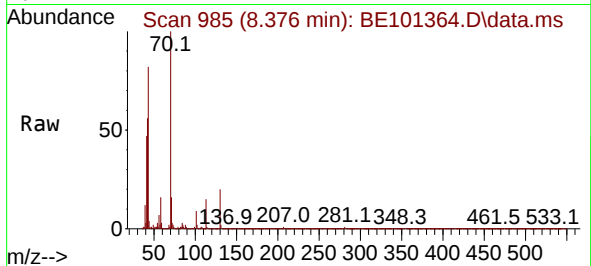
Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 70 Resp: 80338

Ion Ratio Lower Upper

70 100

42 55.5 42.5 63.7

101 8.5 7.8 11.6

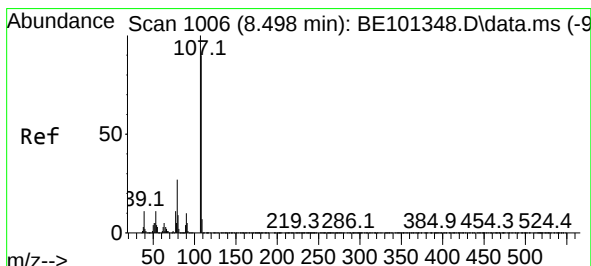
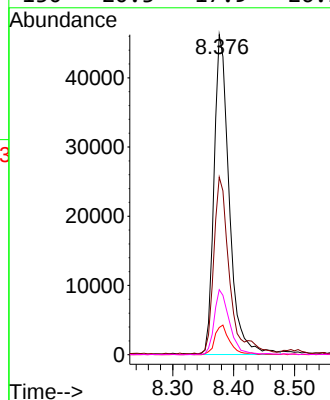
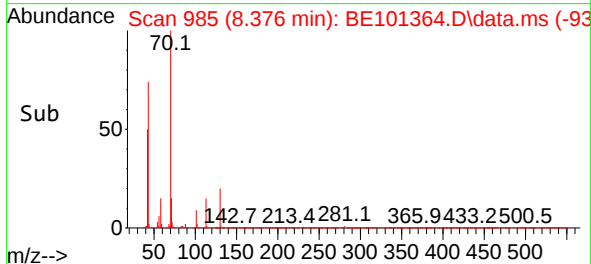
130 20.3 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#20

3+4-Methylphenols

Concen: 7.728 ng

RT: 8.494 min Scan# 1005

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:107 Resp: 104325

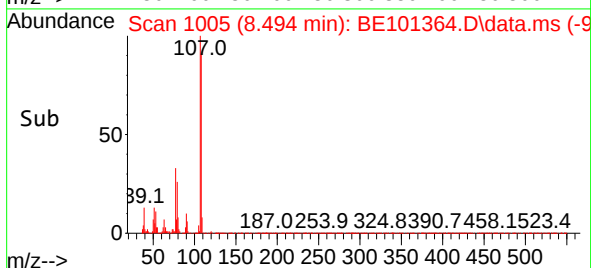
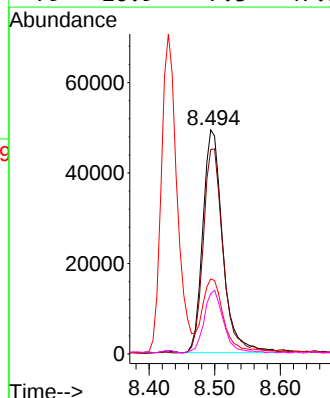
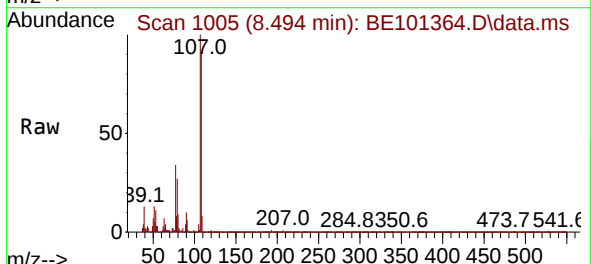
Ion Ratio Lower Upper

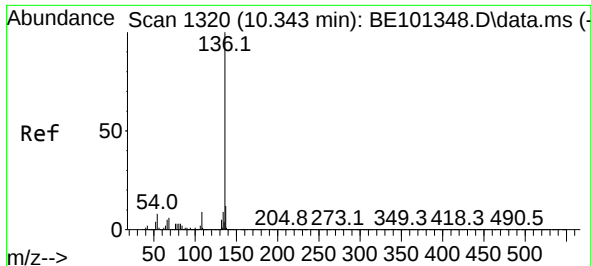
107 100

108 91.3 70.4 110.4

77 33.5 12.5 52.5

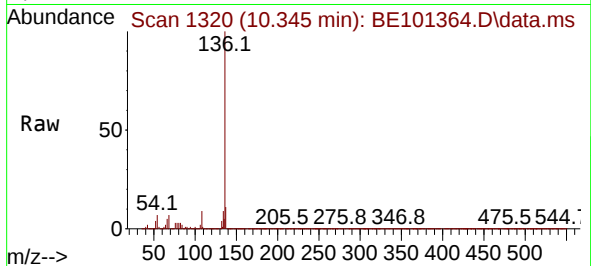
79 26.9 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.345 min Scan# 1320
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

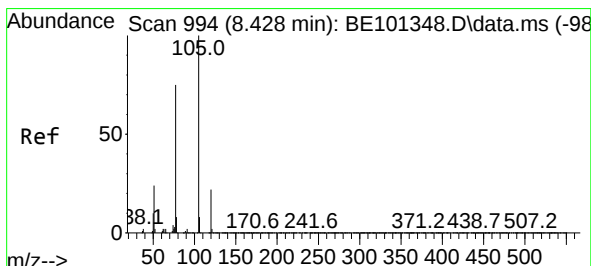
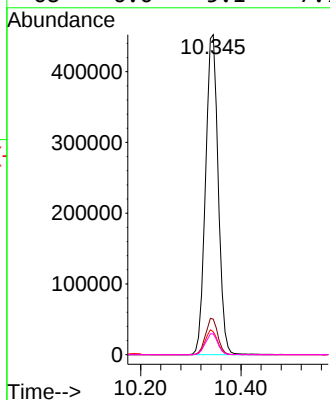
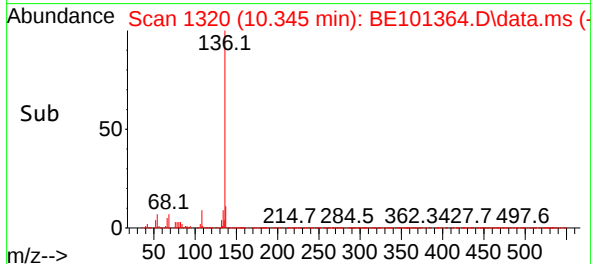
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:136 Resp: 791239
Ion Ratio Lower Upper
136 100
137 11.1 9.3 13.9
54 7.2 6.1 9.1
68 6.6 5.1 7.7

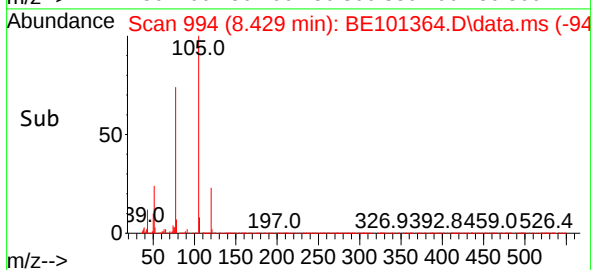
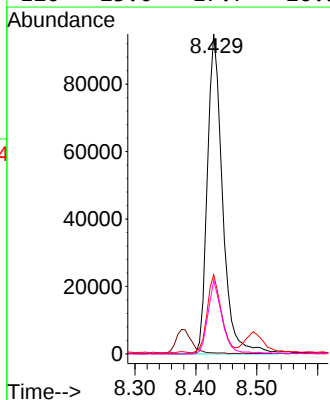
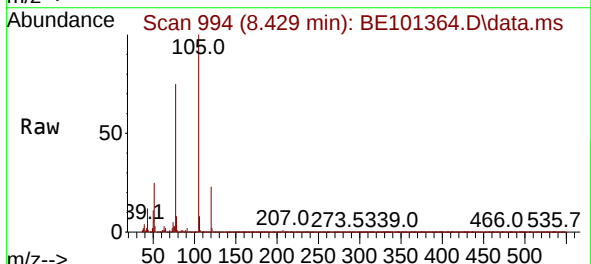
Manual Integrations
APPROVED

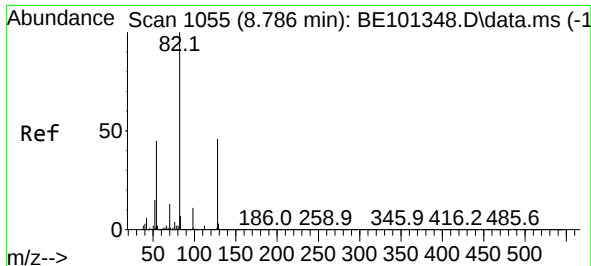
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#22
Acetophenone
Concen: 8.976 ng
RT: 8.429 min Scan# 994
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

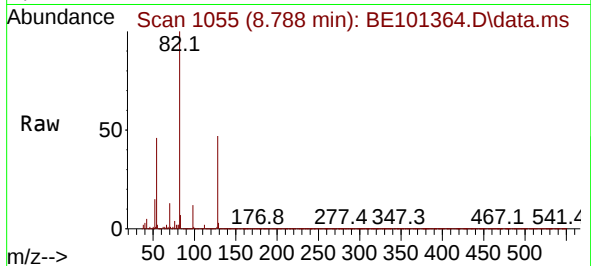
Tgt Ion:105 Resp: 164684
Ion Ratio Lower Upper
105 100
71 0.3 0.1 0.1#
51 24.8 19.0 28.4
120 23.0 17.7 26.5





#23
Nitrobenzene-d5
Concen: 100.162 ng
RT: 8.788 min Scan# 1055
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

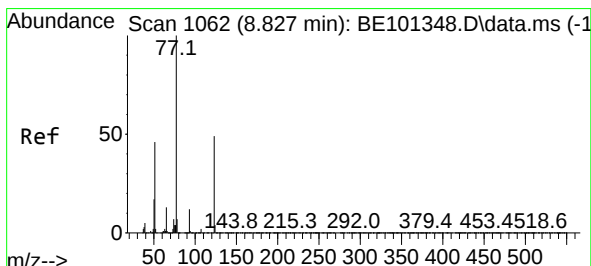
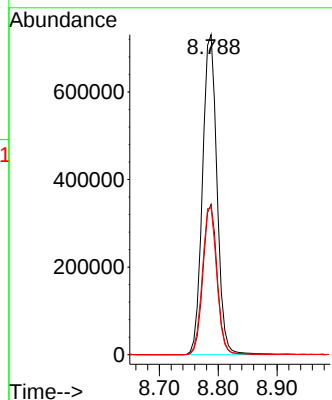
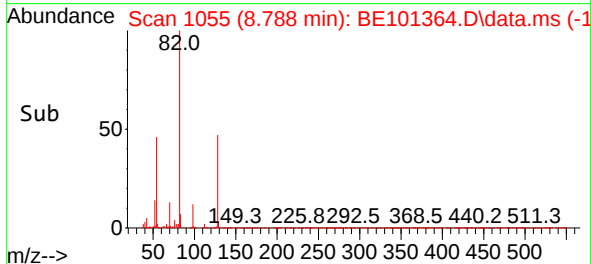
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 82 Resp: 1250074
Ion Ratio Lower Upper
82 100
128 47.0 36.8 55.2
54 45.9 36.2 54.4

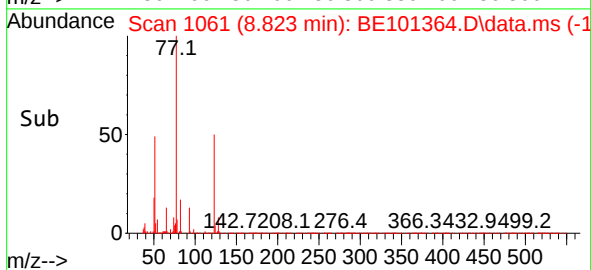
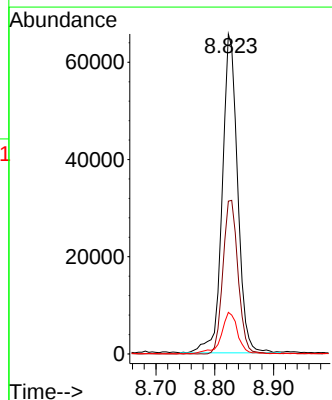
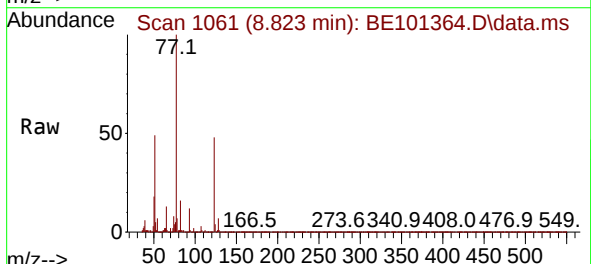
Manual Integrations
APPROVED

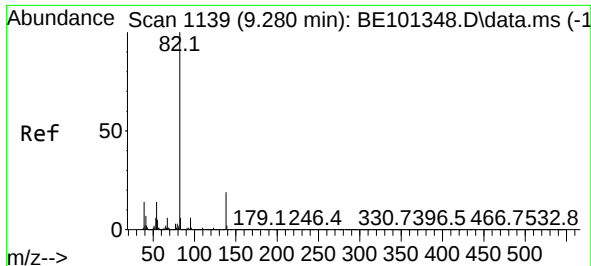
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#24
Nitrobenzene
Concen: 8.931 ng
RT: 8.823 min Scan# 1061
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

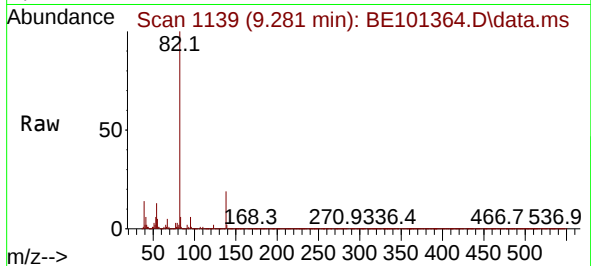
Tgt Ion: 77 Resp: 118995
Ion Ratio Lower Upper
77 100
123 47.8 39.0 58.4
65 13.0 10.2 15.4





#25
Isophorone
Concen: 9.010 ng
RT: 9.281 min Scan# 1139
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

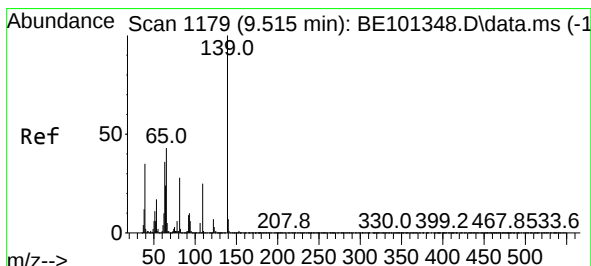
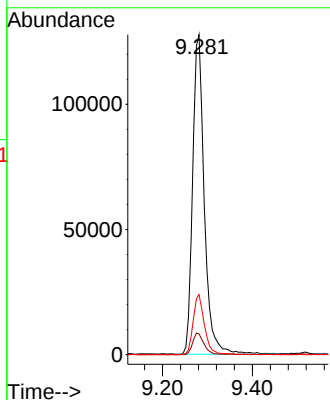
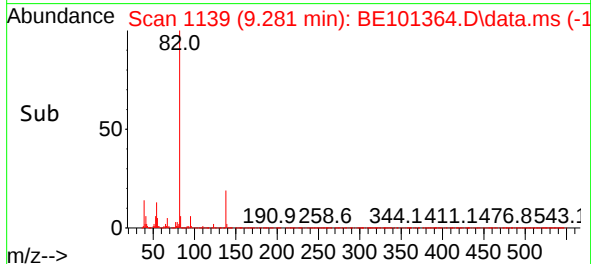
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 82 Resp: 230190
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 18.8 15.0 22.6

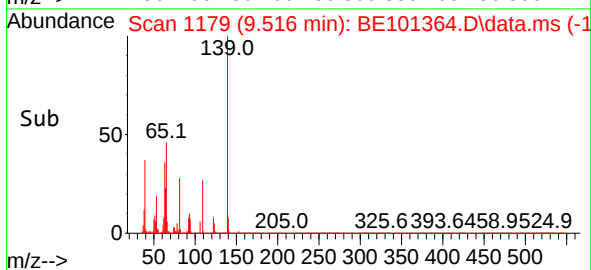
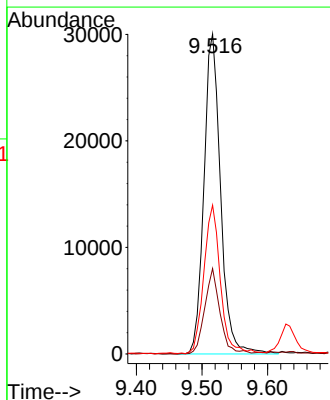
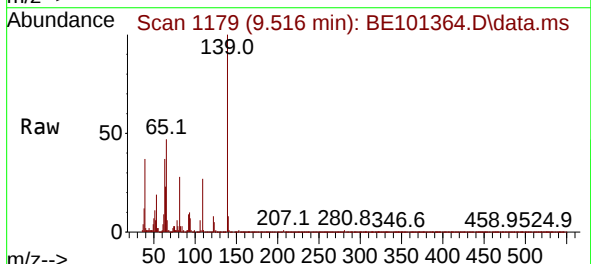
Manual Integrations
APPROVED

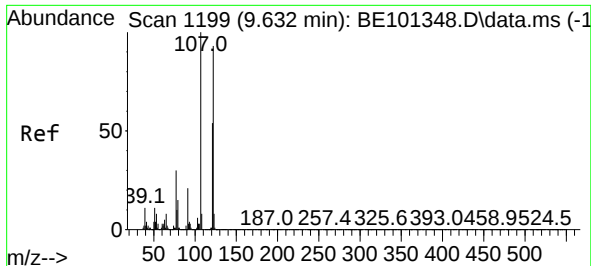
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#26
2-Nitrophenol
Concen: 8.431 ng
RT: 9.516 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

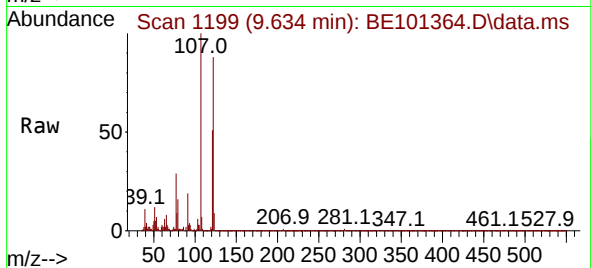
Tgt Ion:139 Resp: 53016
Ion Ratio Lower Upper
139 100
109 26.7 19.8 29.6
65 46.5 34.6 52.0





#27
2,4-Dimethylphenol
Concen: 6.184 ng
RT: 9.634 min Scan# 1199
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

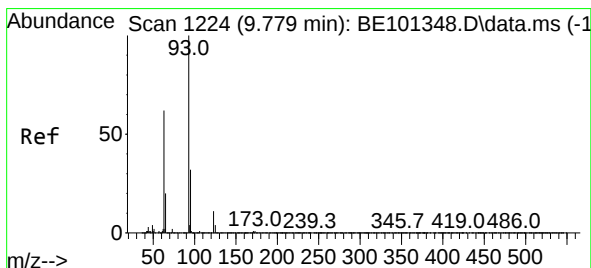
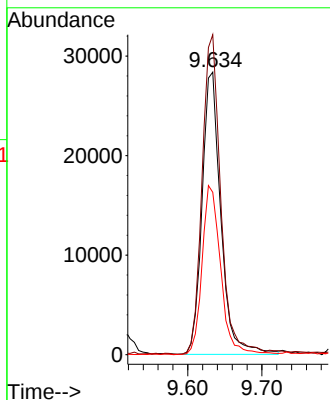
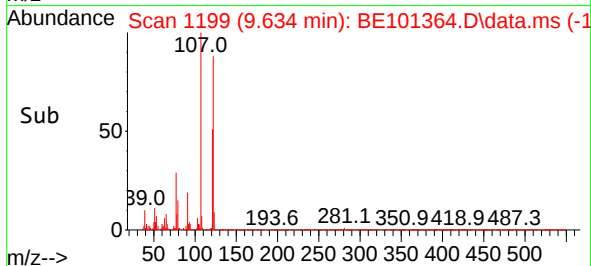
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 122 Resp: 49920
Ion Ratio Lower Upper
122 100
107 113.3 86.4 129.6
121 57.5 46.3 69.5

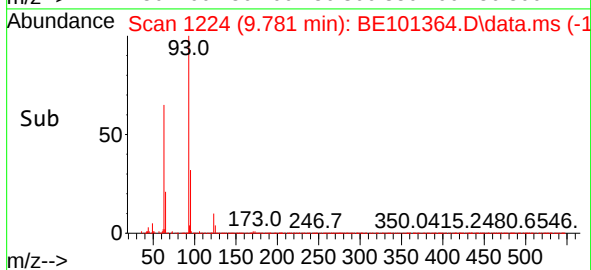
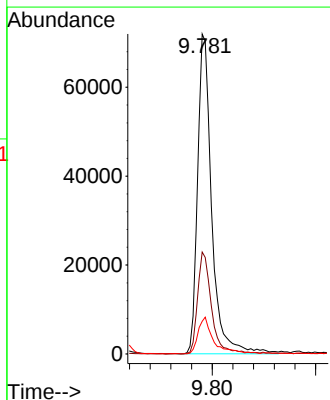
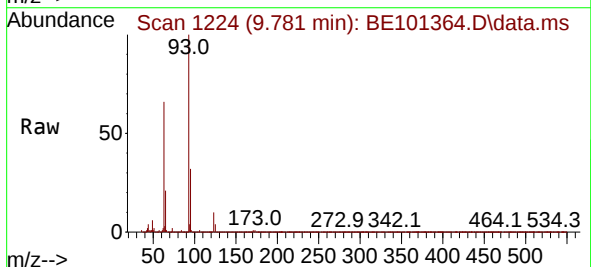
Manual Integrations
APPROVED

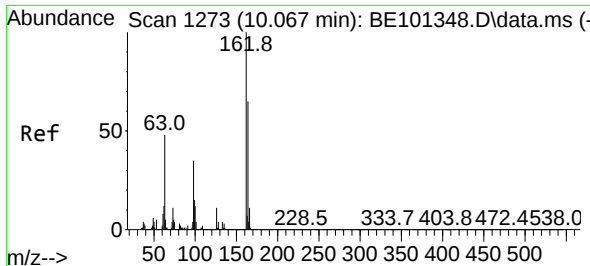
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.809 ng
RT: 9.781 min Scan# 1224
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 93 Resp: 136143
Ion Ratio Lower Upper
93 100
95 31.8 26.0 39.0
123 10.2 9.0 13.4





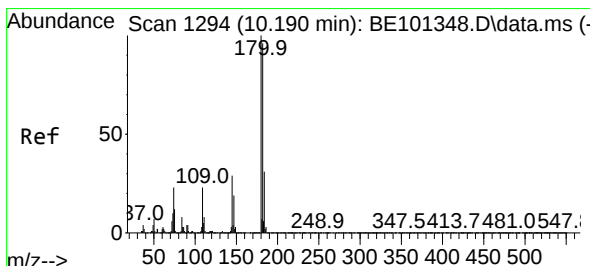
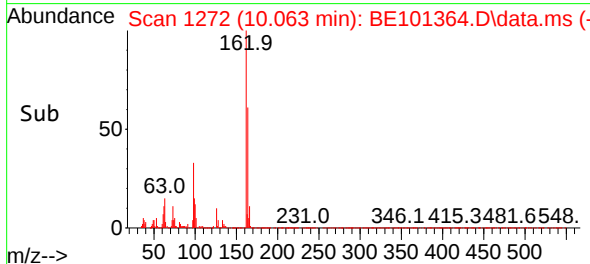
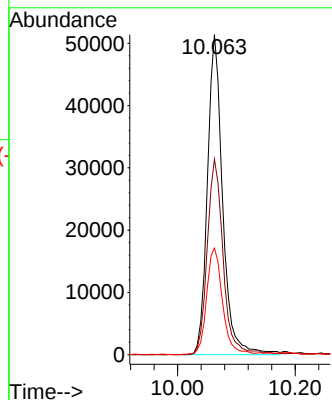
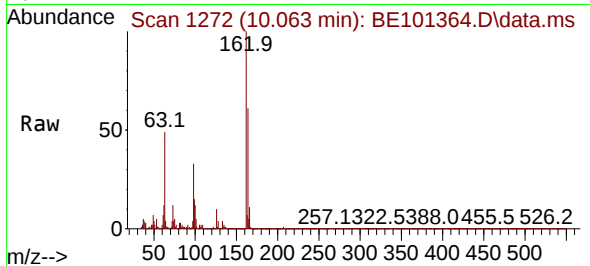
#29
2,4-Dichlorophenol
Concen: 8.354 ng
RT: 10.063 min Scan# 1272
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:162 Resp: 92350
Ion Ratio Lower Upper
162 100
164 61.0 44.6 84.6
98 33.3 14.7 54.7

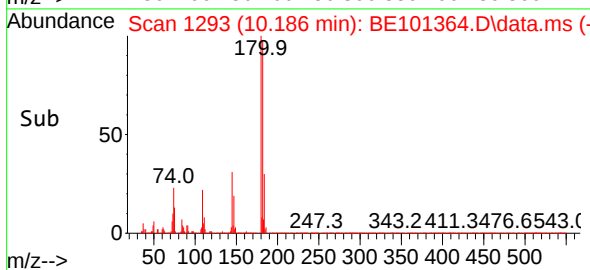
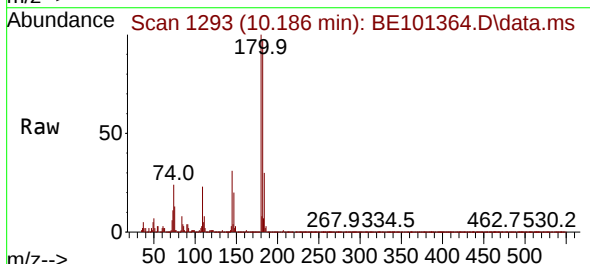
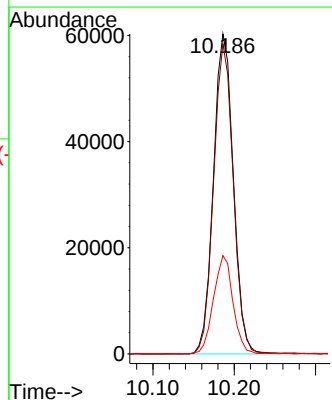
Manual Integrations
APPROVED

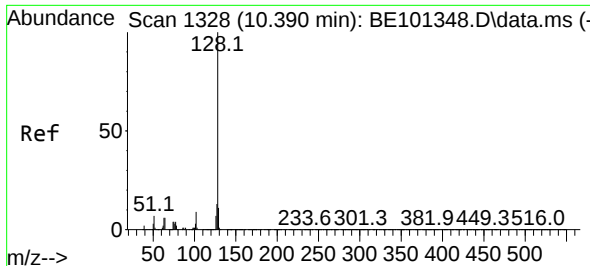
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#30
1,2,4-Trichlorobenzene
Concen: 8.591 ng
RT: 10.186 min Scan# 1293
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

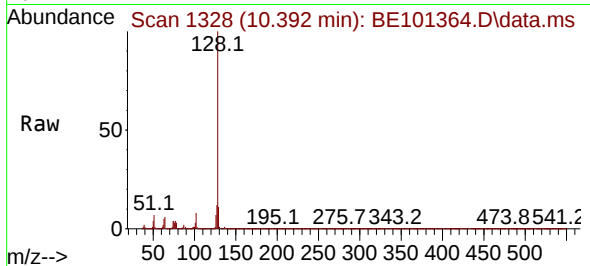
Tgt Ion:180 Resp: 102651
Ion Ratio Lower Upper
180 100
182 97.0 76.6 114.8
145 30.8 23.5 35.3





#31
Naphthalene
Concen: 8.826 ng
RT: 10.392 min Scan# 11
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

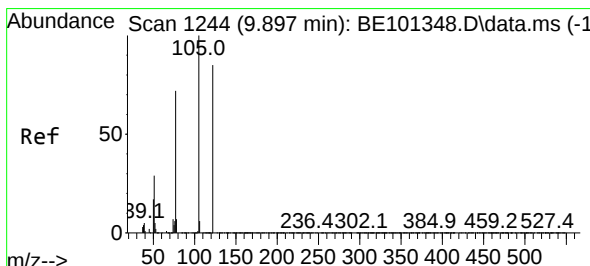
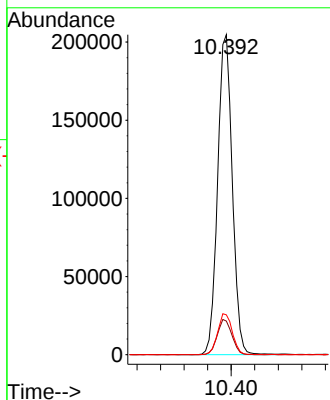
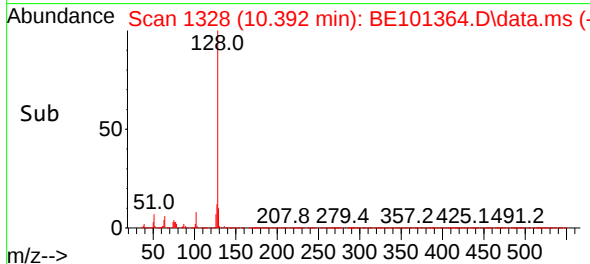
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:128 Resp: 352380
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 12.5 10.3 15.5

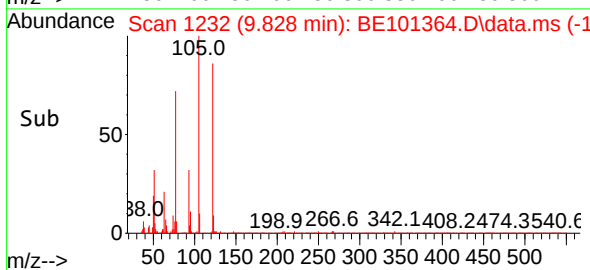
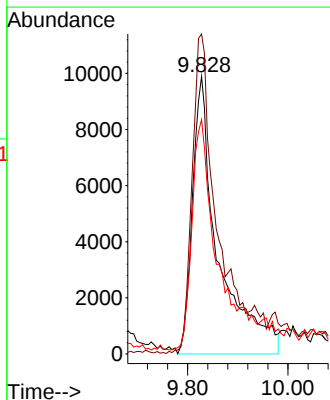
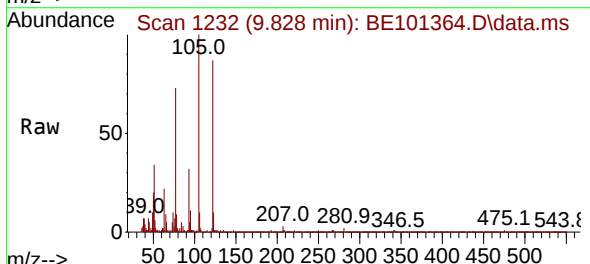
Manual Integrations
APPROVED

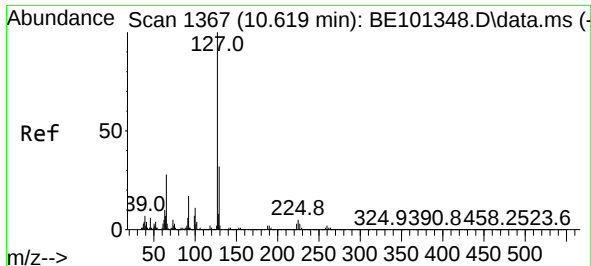
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#32
Benzoic acid
Concen: 10.815 ng
RT: 9.828 min Scan# 1232
Delta R.T. -0.069 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:122 Resp: 35272
Ion Ratio Lower Upper
122 100
105 115.3 96.7 136.7
77 84.5 64.8 104.8





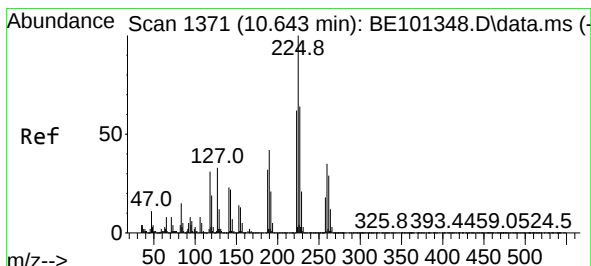
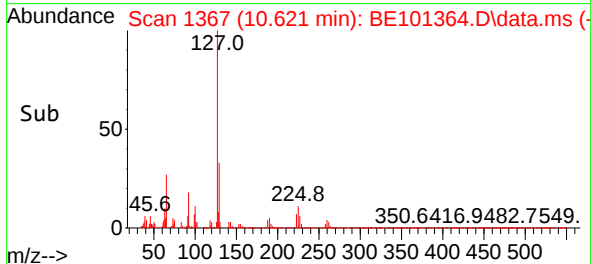
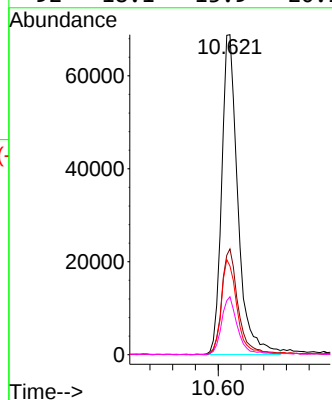
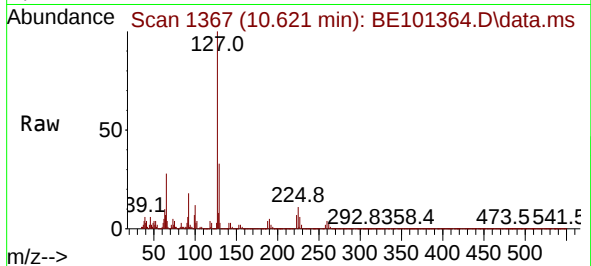
#33
4-Chloroaniline
Concen: 8.958 ng
RT: 10.621 min Scan# 1367
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.8	38.8
65	27.7	22.5	33.7
92	18.1	13.9	20.9

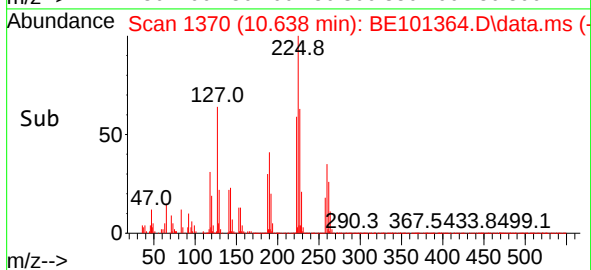
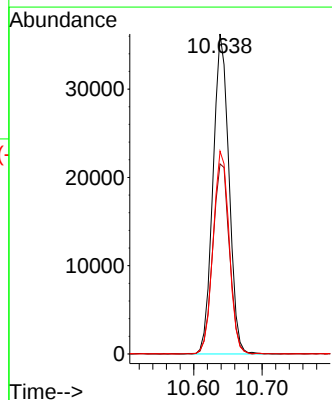
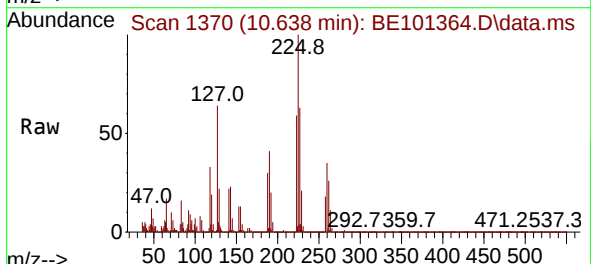
Manual Integrations
APPROVED

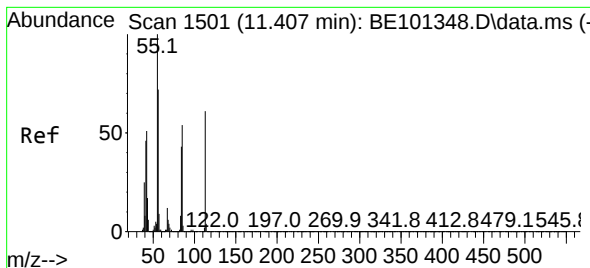
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#34
Hexachlorobutadiene
Concen: 8.485 ng
RT: 10.638 min Scan# 1370
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	49.8	74.8
227	63.3	51.3	76.9





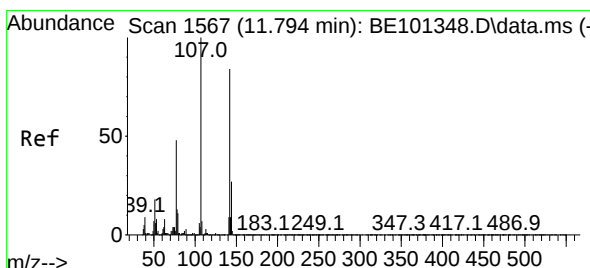
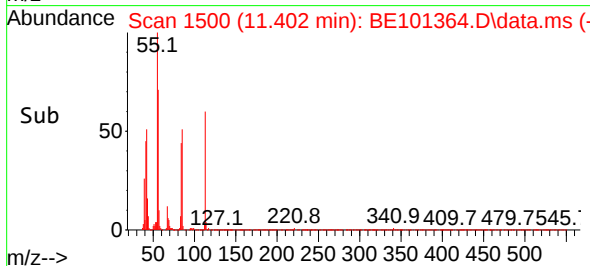
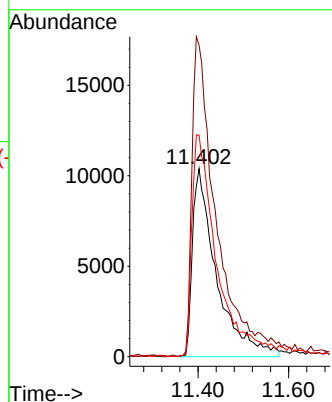
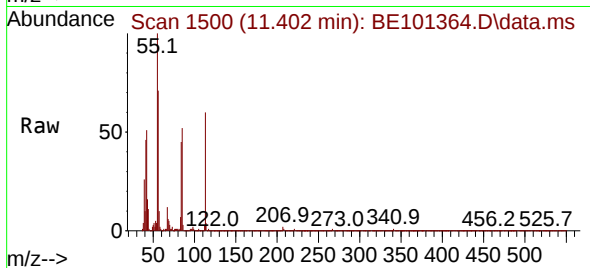
#35
Caprolactam
Concen: 8.549 ng m
RT: 11.402 min Scan# 113
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:113 Resp: 3818
Ion Ratio Lower Upper
113 100
55 165.7 144.8 184.8
56 117.9 99.3 139.3

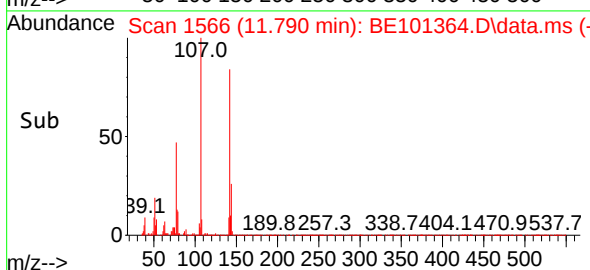
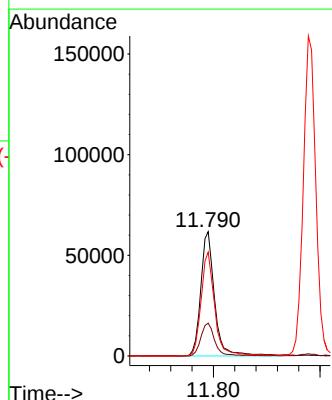
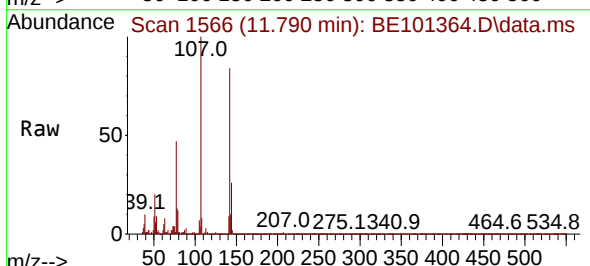
Manual Integrations
APPROVED

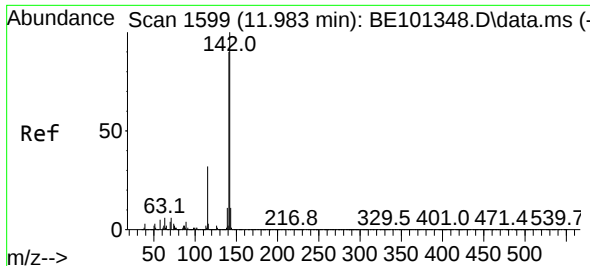
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#36
4-Chloro-3-methylphenol
Concen: 8.492 ng
RT: 11.790 min Scan# 1566
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

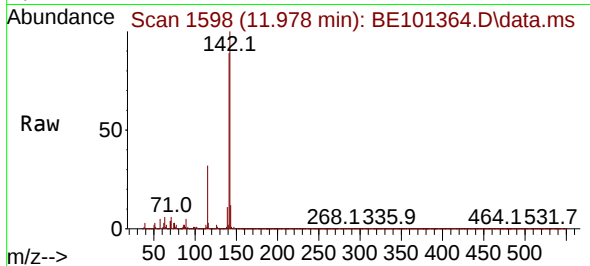
Tgt Ion:107 Resp: 110935
Ion Ratio Lower Upper
107 100
144 26.4 21.9 32.9
142 83.5 67.4 101.2





#37
2-Methylnaphthalene
Concen: 8.753 ng
RT: 11.978 min Scan# 1598
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

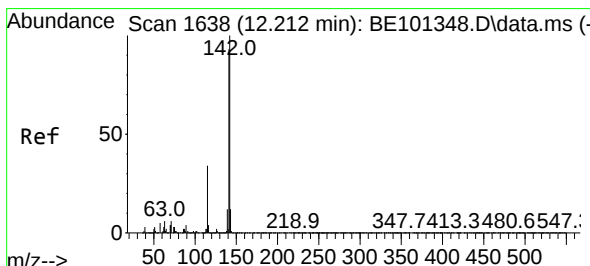
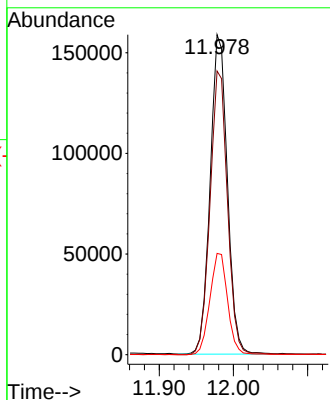
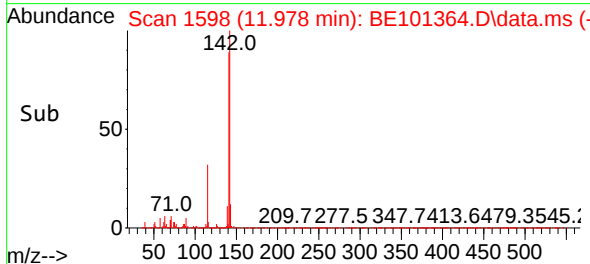
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



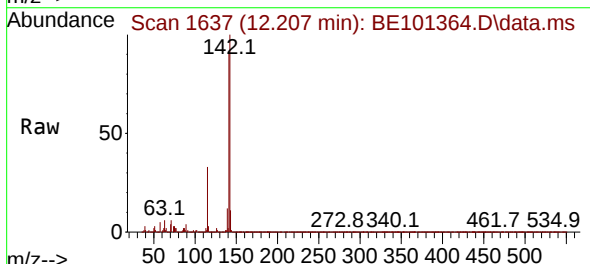
Tgt Ion:142 Resp: 255579
Ion Ratio Lower Upper
142 100
141 88.6 71.8 107.6
115 31.7 25.6 38.4

Manual Integrations
APPROVED

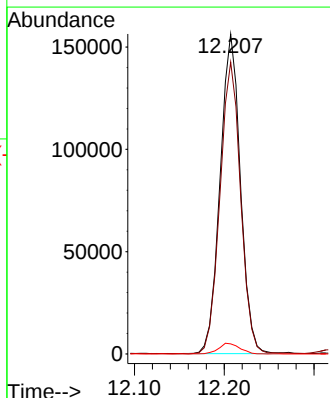
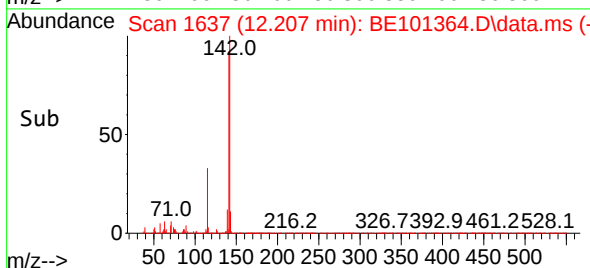
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

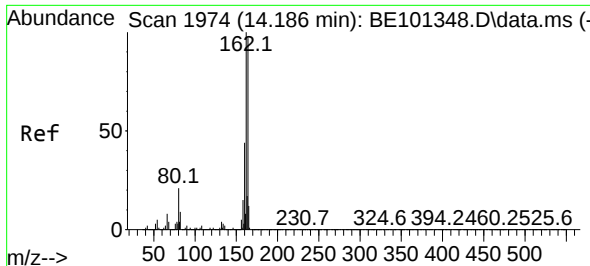


#38
1-Methylnaphthalene
Concen: 8.356 ng
RT: 12.207 min Scan# 1637
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



Tgt Ion:142 Resp: 244757
Ion Ratio Lower Upper
142 100
141 91.2 74.3 111.5
116 3.1 2.9 4.3





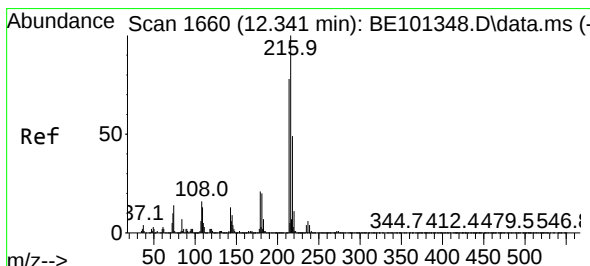
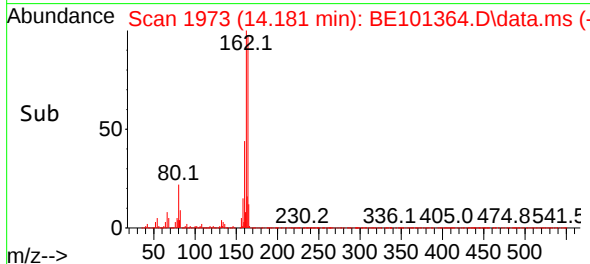
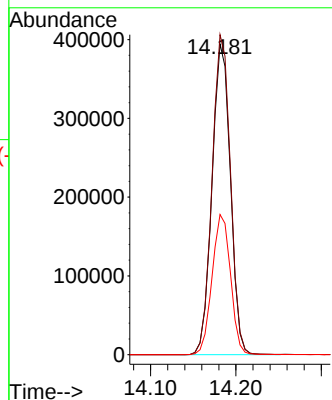
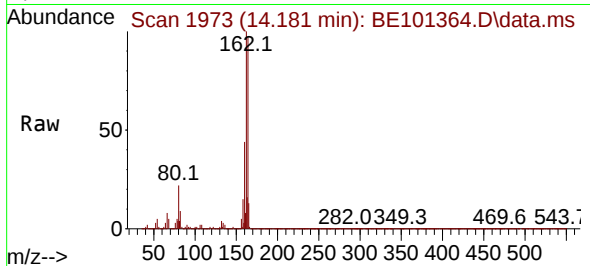
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.181 min Scan# 1659
Delta R.T. -0.005 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:164 Resp: 589289
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 45.2 36.1 54.1

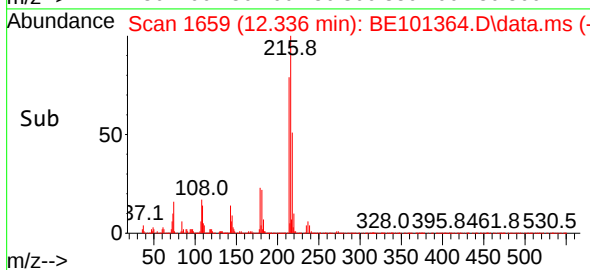
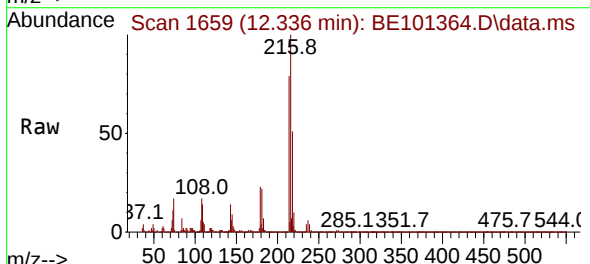
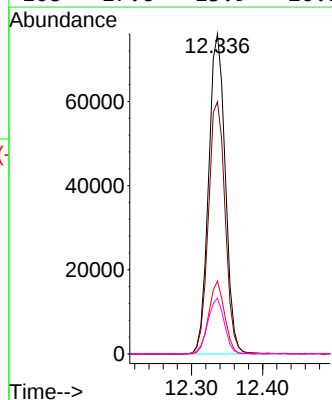
Manual Integrations
APPROVED

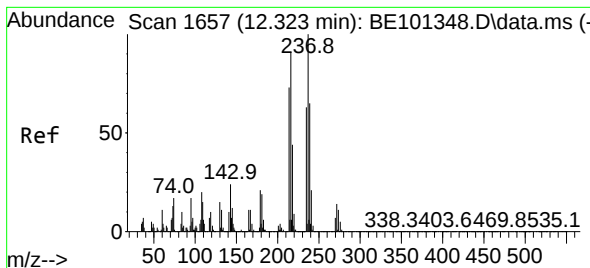
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.728 ng
RT: 12.336 min Scan# 1659
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:216 Resp: 123902
Ion Ratio Lower Upper
216 100
214 79.6 62.6 94.0
179 21.7 16.9 25.3
108 17.6 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 6.019 ng

RT: 12.319 min Scan# 1

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

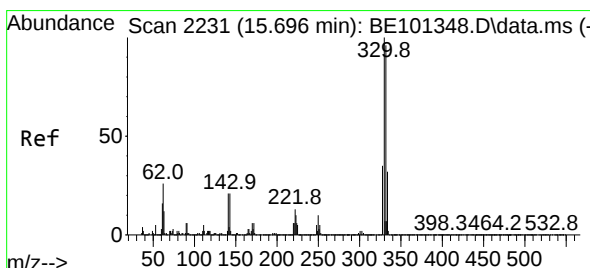
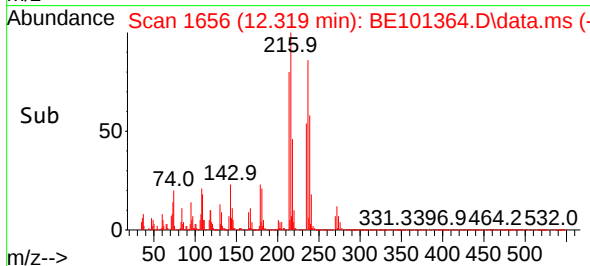
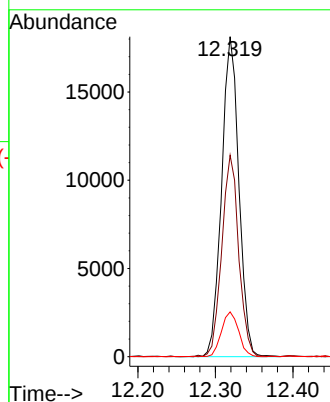
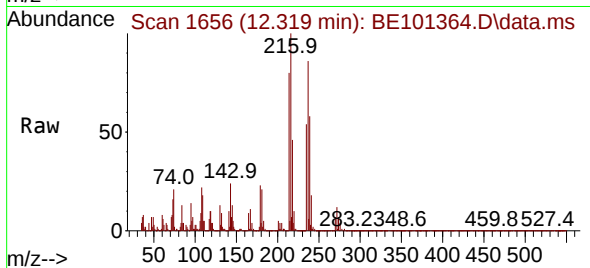
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	237	Resp:	2807
Ion Ratio	Lower	Upper	
237	100		
235	63.0	42.9	82.9
272	14.0	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: 146.151 ng

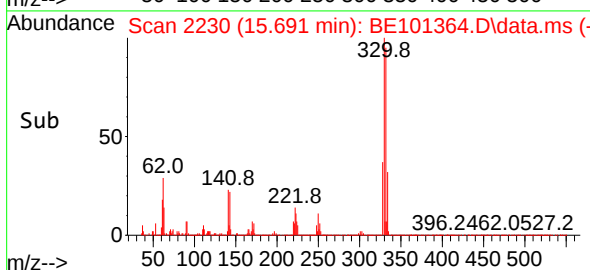
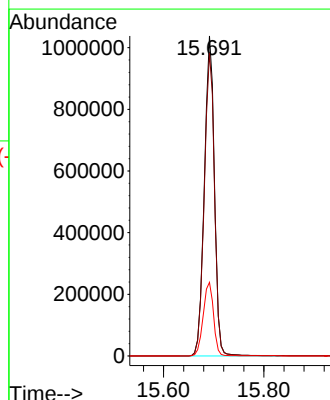
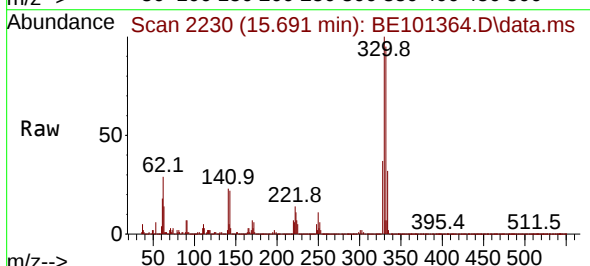
RT: 15.691 min Scan# 2230

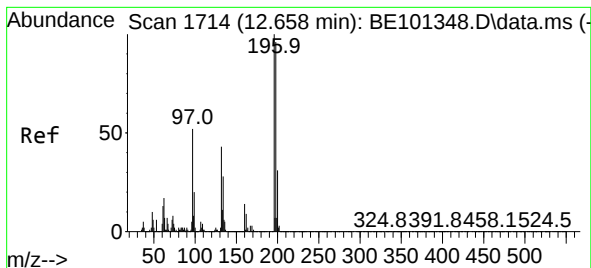
Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:	330	Resp:	1448587
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.8	116.8
141	23.7	19.1	28.7





#43

2,4,6-Trichlorophenol

Concen: 8.321 ng

RT: 12.654 min Scan# 1713

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

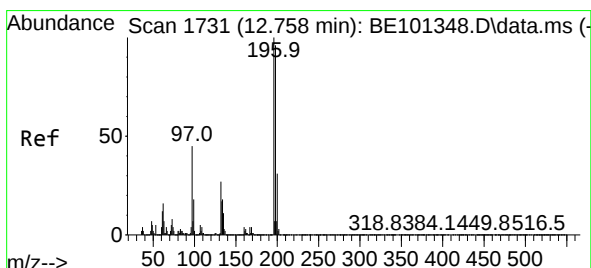
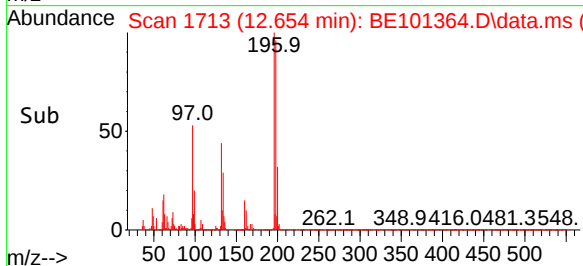
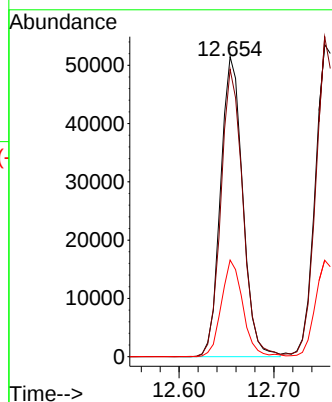
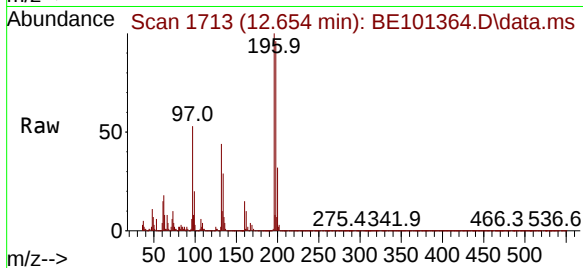
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	196	Resp:	83650
Ion Ratio	Lower	Upper	
196	100		
198	95.8	76.8	115.2
200	32.2	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: 8.074 ng

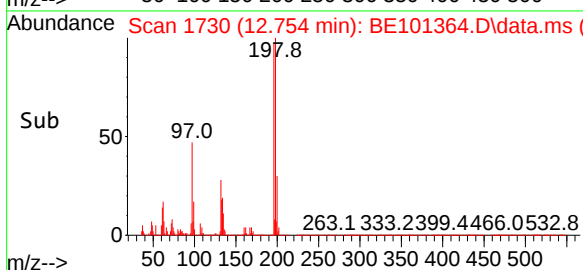
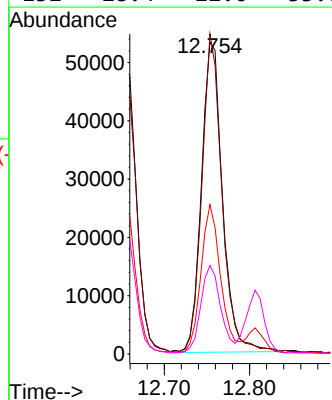
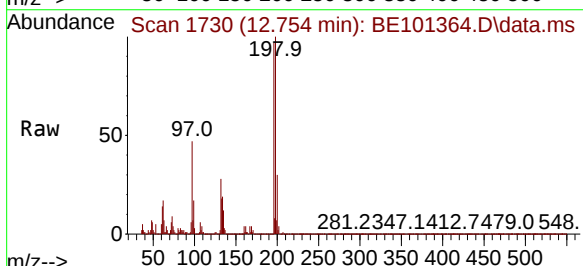
RT: 12.754 min Scan# 1730

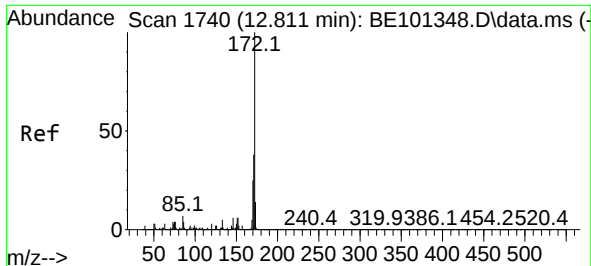
Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

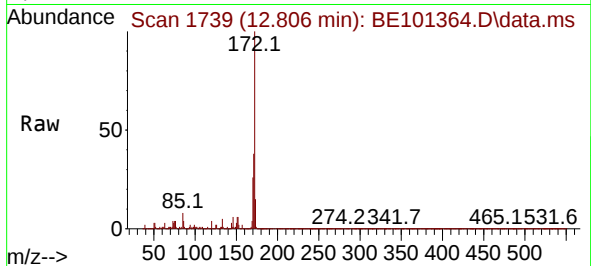
Tgt Ion:	196	Resp:	91583
Ion Ratio	Lower	Upper	
196	100		
198	102.6	76.9	115.3
97	47.9	36.2	54.2
132	28.4	22.0	33.0





#45
2-Fluorobiphenyl
Concen: 94.337 ng
RT: 12.806 min Scan# 1739
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

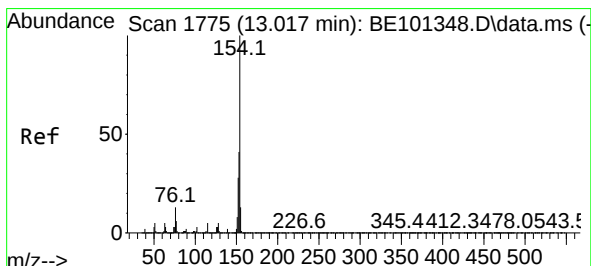
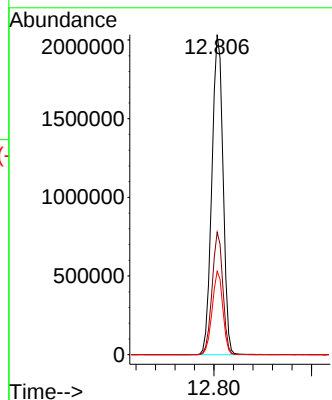
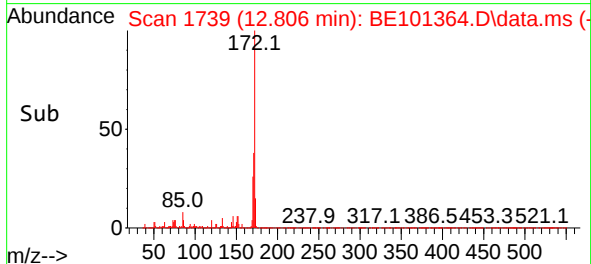
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



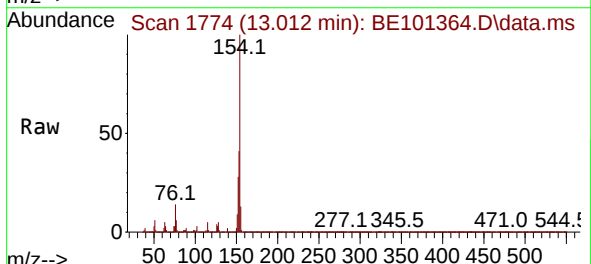
Tgt Ion:172 Resp: 321698
Ion Ratio Lower Upper
172 100
171 38.3 30.2 45.2
170 26.1 20.2 30.4

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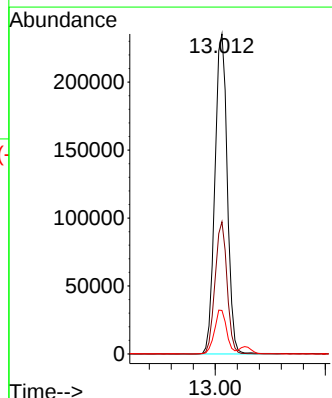
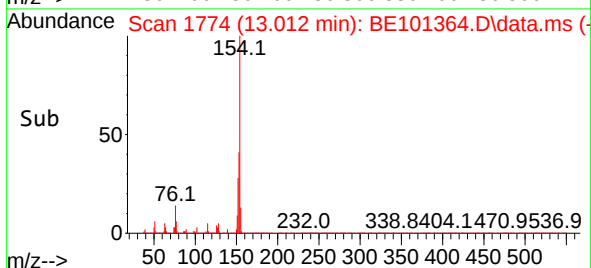
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

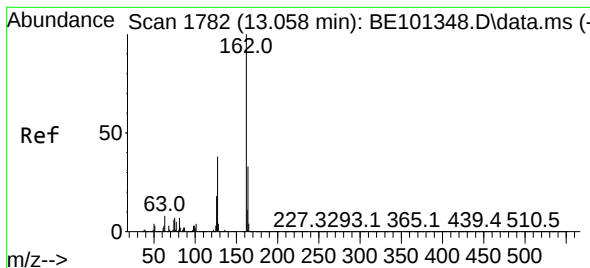


#46
1,1'-Biphenyl
Concen: 9.202 ng
RT: 13.012 min Scan# 1774
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



Tgt Ion:154 Resp: 367476
Ion Ratio Lower Upper
154 100
153 41.3 21.2 61.2
76 13.6 0.0 33.4





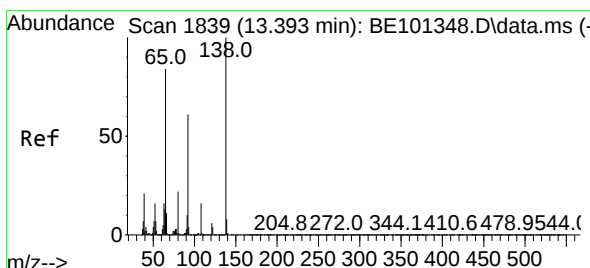
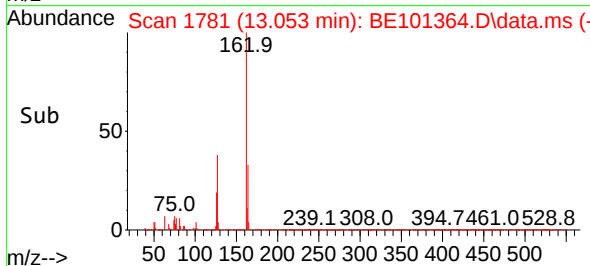
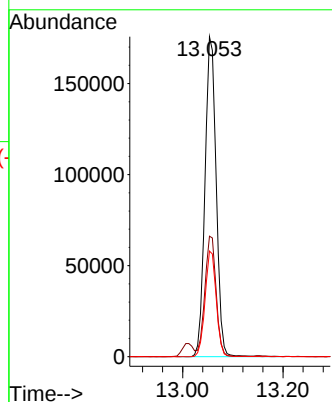
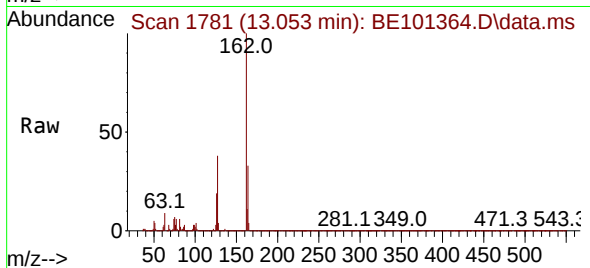
#47
2-Chloronaphthalene
Concen: 8.673 ng
RT: 13.053 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion: 162 Resp: 27244
Ion Ratio Lower Upper
162 100
127 37.7 31.2 46.8
164 33.0 26.2 39.2

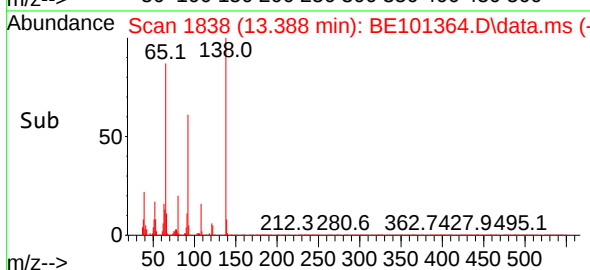
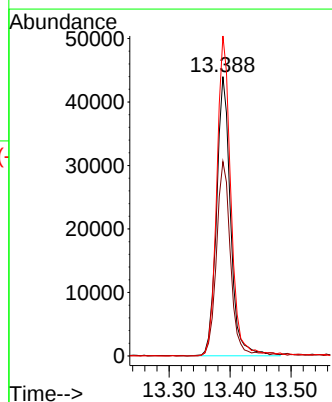
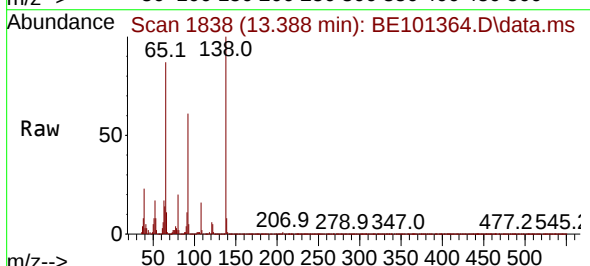
Manual Integrations
APPROVED

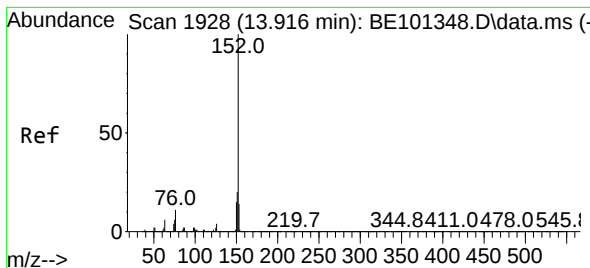
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#48
2-Nitroaniline
Concen: 8.325 ng
RT: 13.388 min Scan# 1838
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 65 Resp: 70360
Ion Ratio Lower Upper
65 100
92 69.6 58.3 87.5
138 114.5 95.0 142.4





#49

Acenaphthylene

Concen: 9.675 ng

RT: 13.911 min Scan# 1928

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

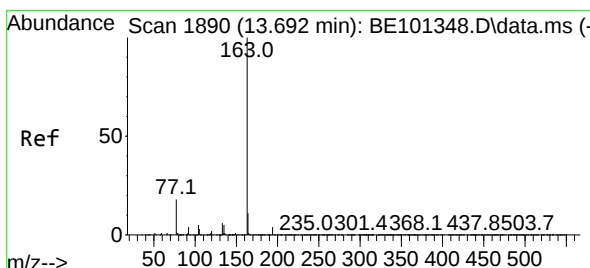
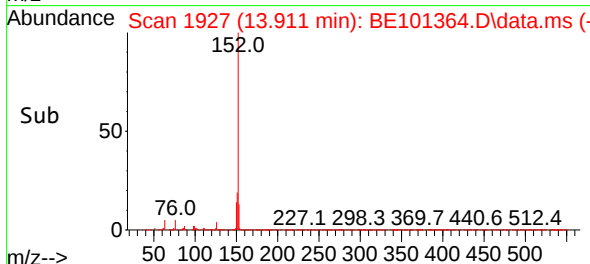
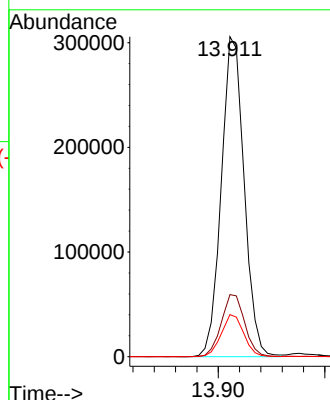
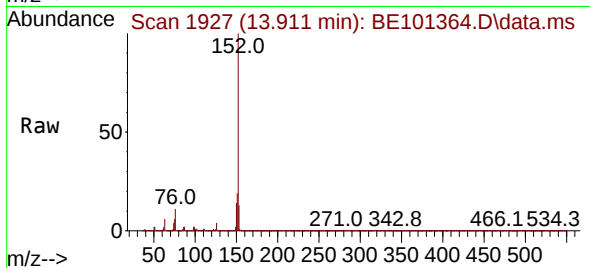
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	152	Resp:	45346
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.4	24.6
153	13.2	11.1	16.7

Manual Integrations

APPROVED

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



#50

Dimethylphthalate

Concen: 9.116 ng

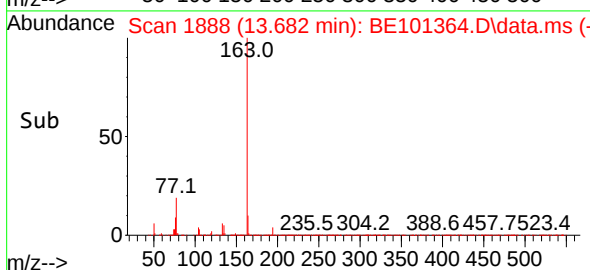
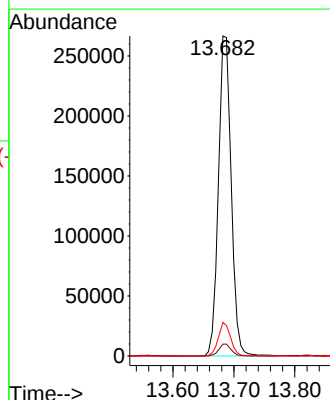
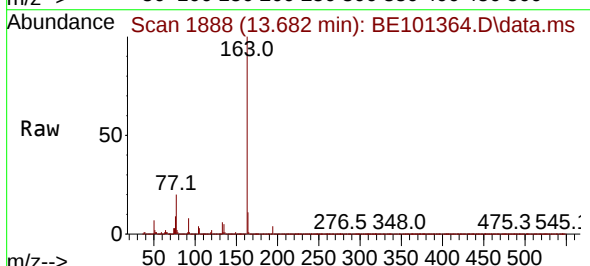
RT: 13.682 min Scan# 1888

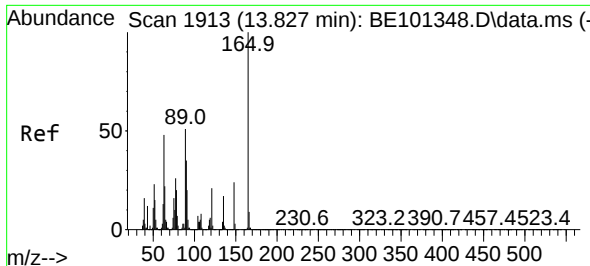
Delta R.T. -0.010 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:	163	Resp:	387618
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.4
164	10.5	8.5	12.7





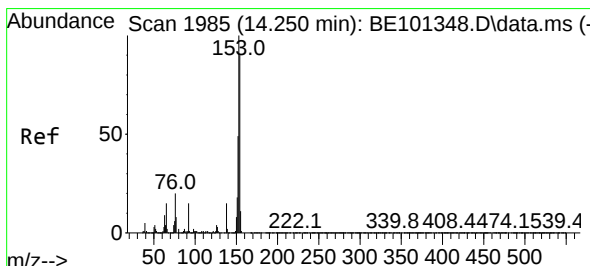
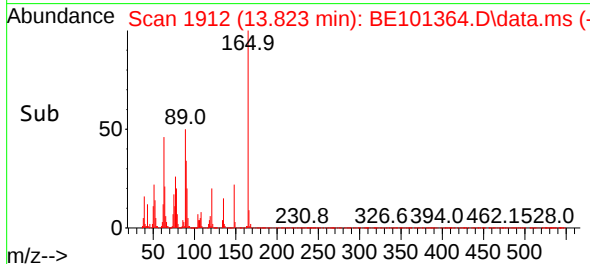
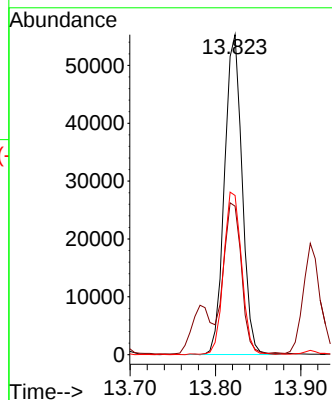
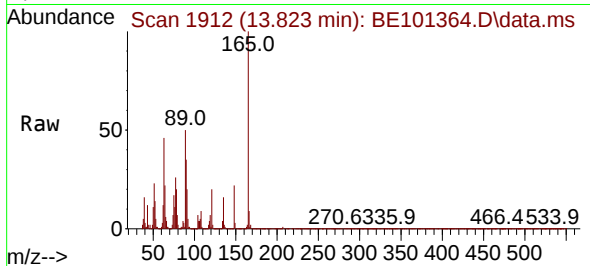
#51
2,6-Dinitrotoluene
Concen: 8.316 ng
RT: 13.823 min Scan# 1913
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:165 Resp: 7913
Ion Ratio Lower Upper
165 100
63 46.4 38.5 57.7
89 49.8 40.5 60.7

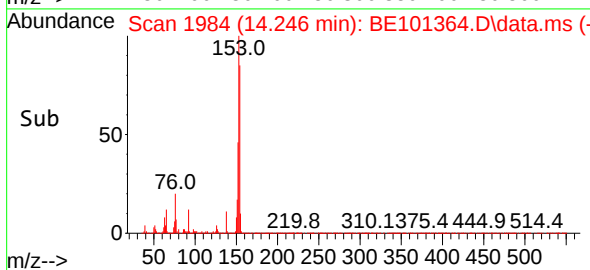
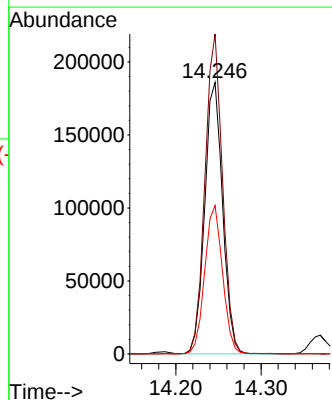
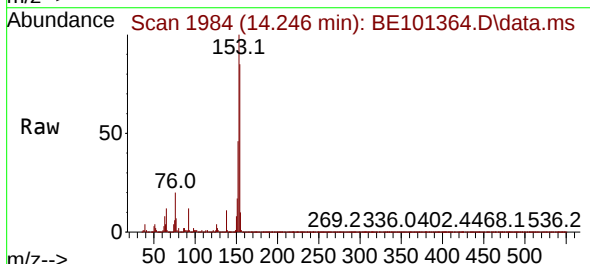
Manual Integrations
APPROVED

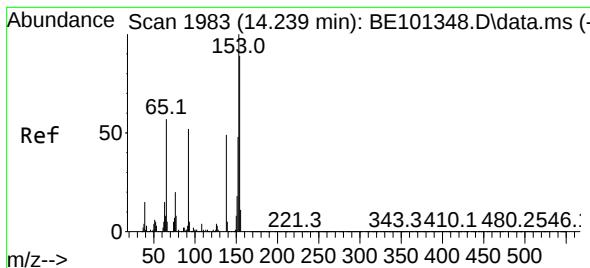
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#52
Acenaphthene
Concen: 8.764 ng
RT: 14.246 min Scan# 1984
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:154 Resp: 270778
Ion Ratio Lower Upper
154 100
153 117.9 88.8 133.2
152 54.7 43.2 64.8





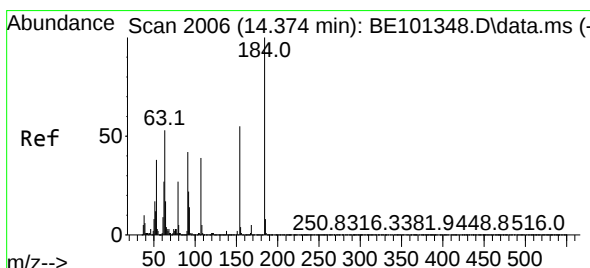
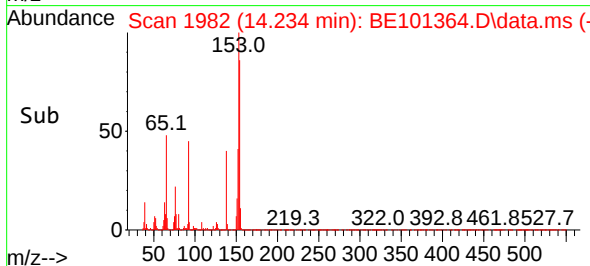
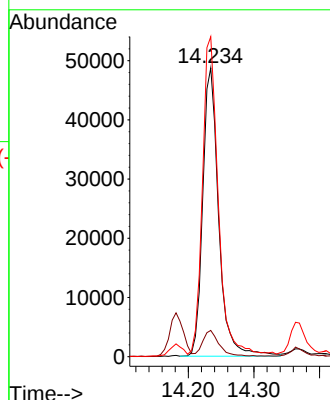
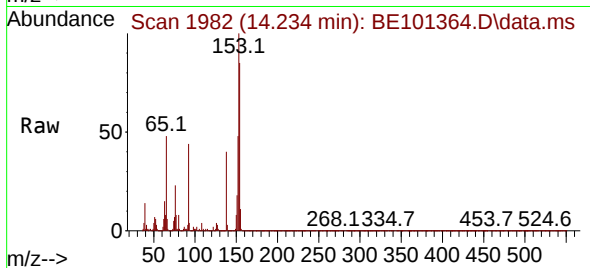
#53
3-Nitroaniline
Concen: 8.434 ng
RT: 14.234 min Scan# 1983
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:138 Resp: 82550
Ion Ratio Lower Upper
138 100
108 9.1 7.2 10.8
92 110.8 85.7 128.5

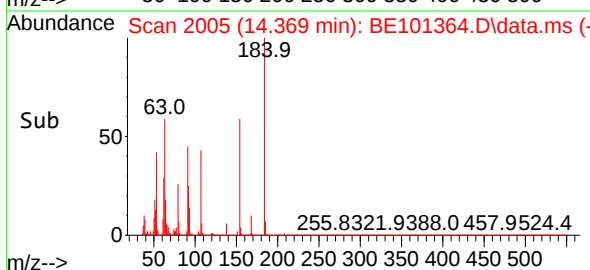
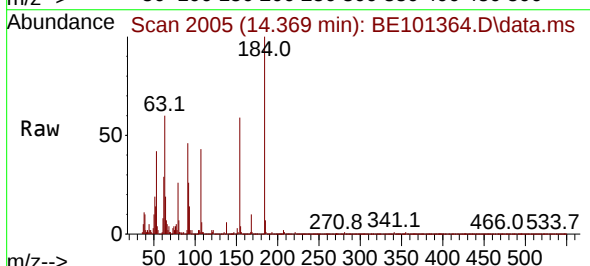
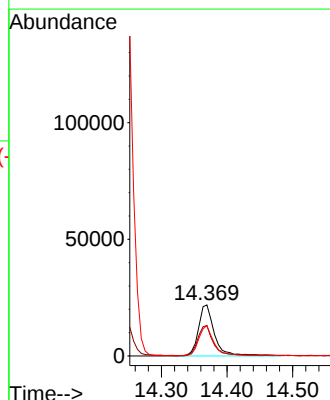
Manual Integrations
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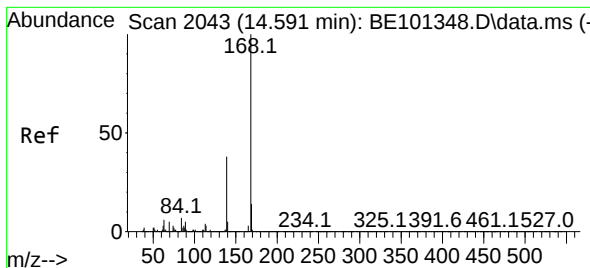
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#54
2,4-Dinitrophenol
Concen: 6.554 ng
RT: 14.369 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

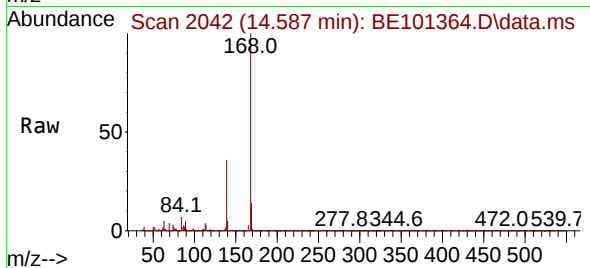
Tgt Ion:184 Resp: 37127
Ion Ratio Lower Upper
184 100
63 59.7 42.5 63.7
154 59.2 44.2 66.2





#55
Dibenzenofuran
Concen: 9.428 ng
RT: 14.587 min Scan# 2042
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

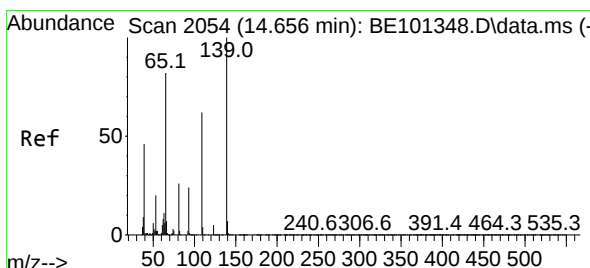
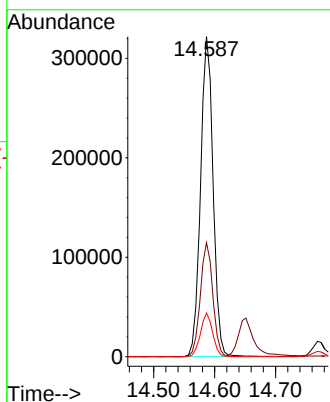
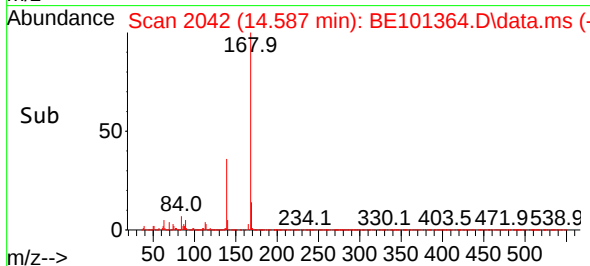
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



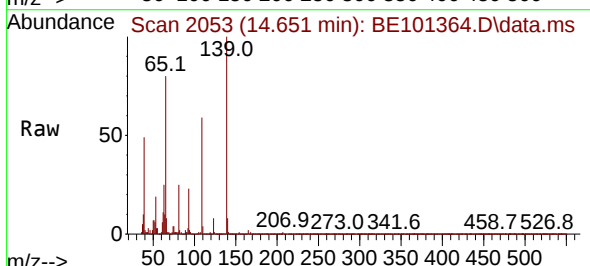
Tgt Ion:168 Resp: 460108
Ion Ratio Lower Upper
168 100
139 35.7 30.5 45.7
169 13.7 11.4 17.2

Manual Integrations
APPROVED

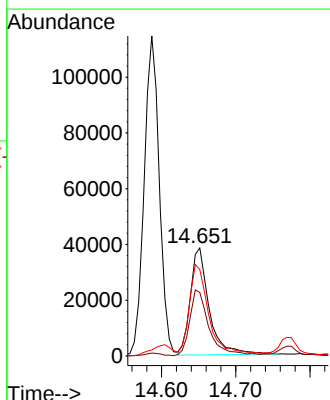
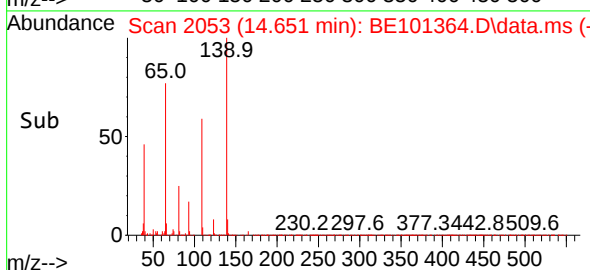
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

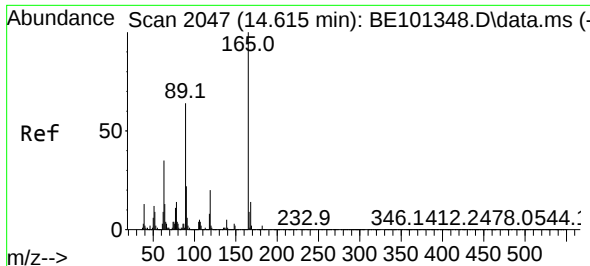


#56
4-Nitrophenol
Concen: 8.265 ng
RT: 14.651 min Scan# 2053
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



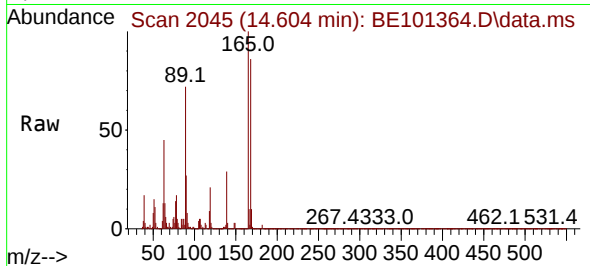
Tgt Ion:139 Resp: 67260
Ion Ratio Lower Upper
139 100
109 58.8 41.9 81.9
65 80.0 63.0 103.0





#57
2,4-Dinitrotoluene
Concen: 8.061 ng
RT: 14.604 min Scan# 2045
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

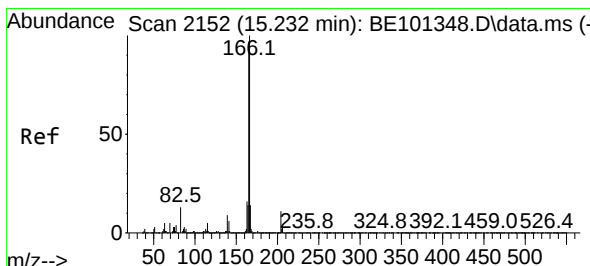
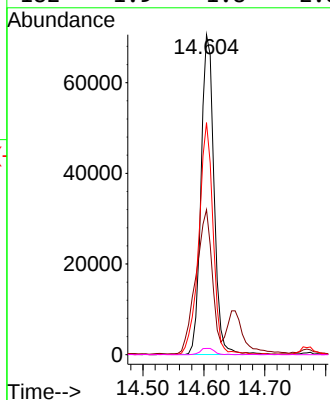
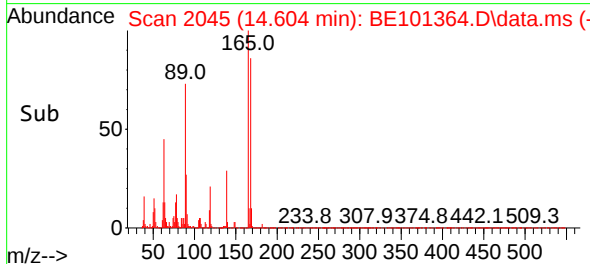
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:165 Resp: 10442
Ion Ratio Lower Upper
165 100
63 45.3 28.4 42.6
89 72.5 51.0 76.4
182 1.9 1.8 2.8

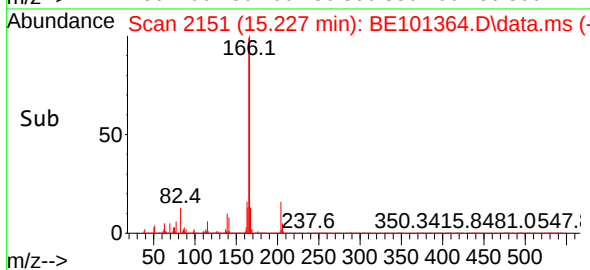
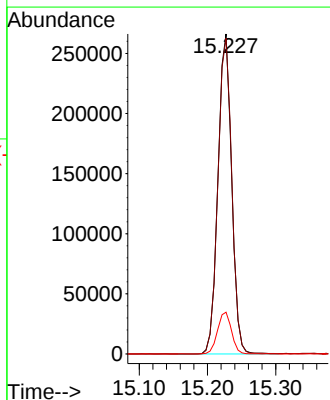
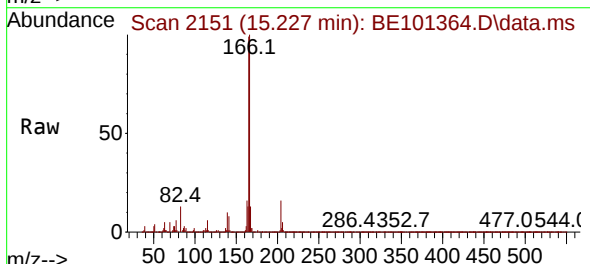
Manual Integrations
APPROVED

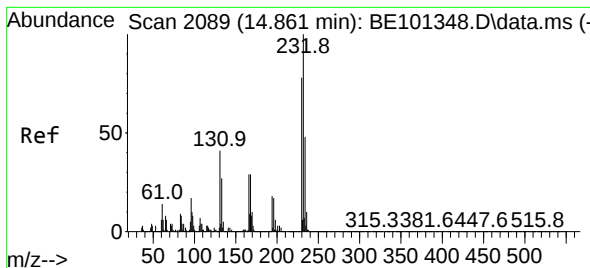
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#58
Fluorene
Concen: 9.030 ng
RT: 15.227 min Scan# 2151
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

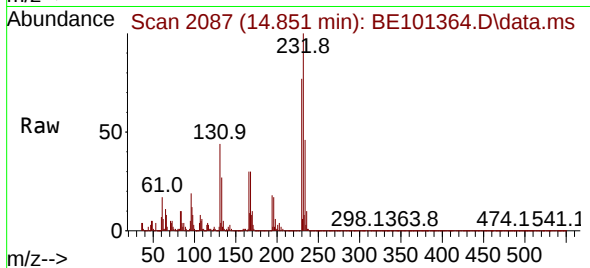
Tgt Ion:166 Resp: 371310
Ion Ratio Lower Upper
166 100
165 98.7 77.8 116.8
167 13.1 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.782 ng
RT: 14.851 min Scan# 2087
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

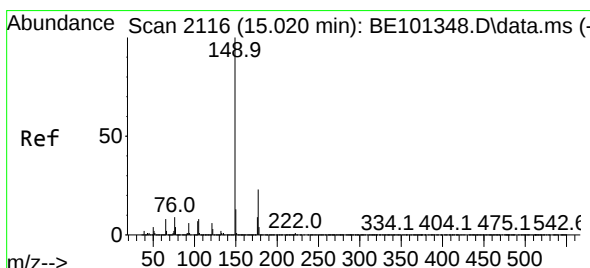
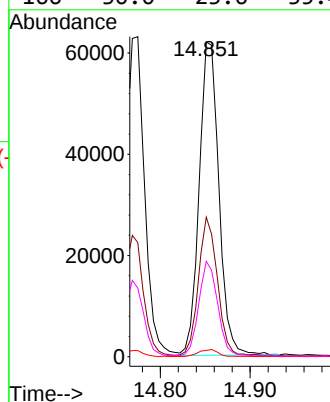
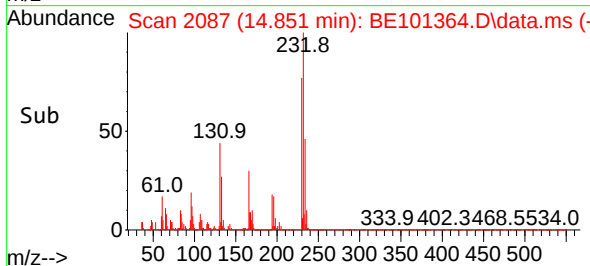
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



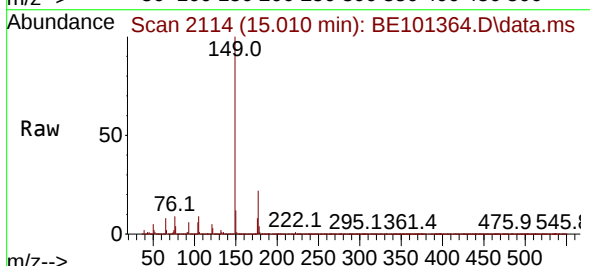
Tgt Ion: 232 Resp: 94210
Ion Ratio Lower Upper
232 100
131 43.5 34.2 51.4
130 2.4 1.8 2.6
166 30.0 23.6 35.4

Manual Integrations
APPROVED

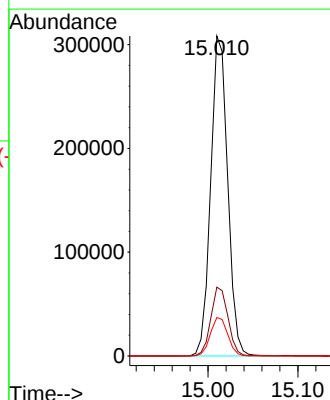
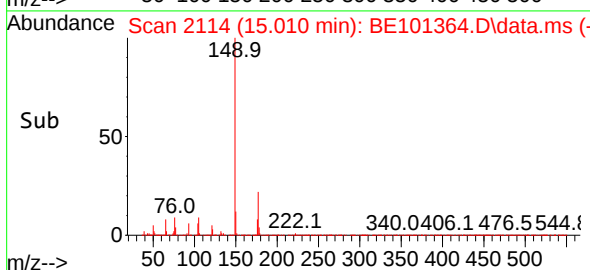
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

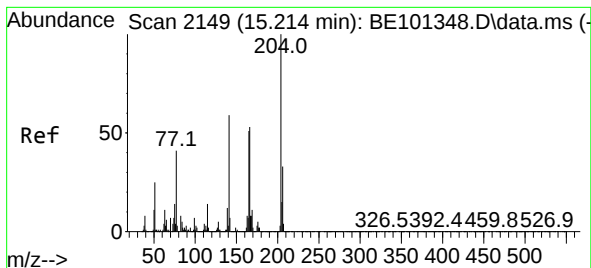


#60
Diethylphthalate
Concen: 9.176 ng
RT: 15.010 min Scan# 2114
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



Tgt Ion: 149 Resp: 404813
Ion Ratio Lower Upper
149 100
177 21.5 18.4 27.6
150 12.0 10.0 15.0





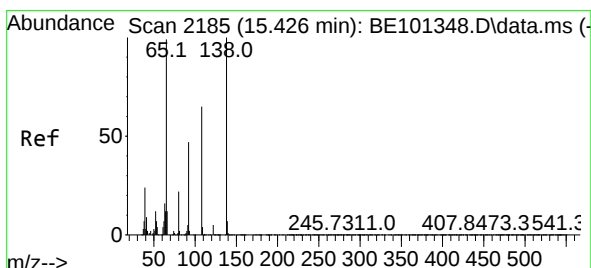
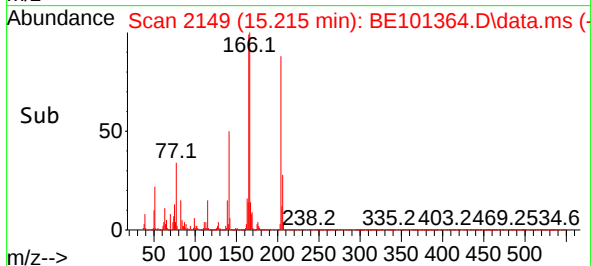
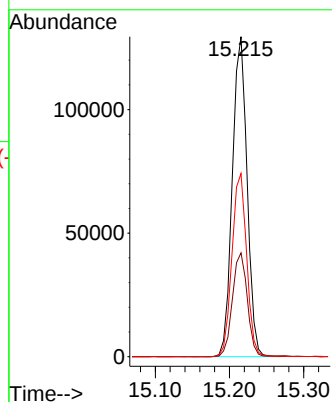
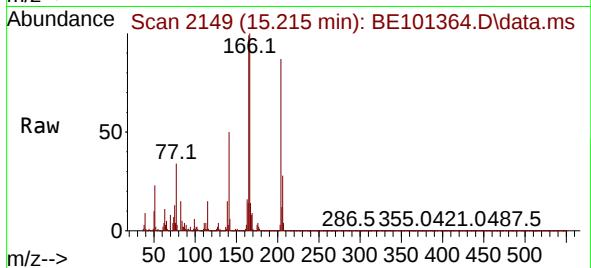
#61
4-Chlorophenyl-phenylether
Concen: 8.851 ng
RT: 15.215 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion: 204 Resp: 17852
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 57.3 47.2 70.8

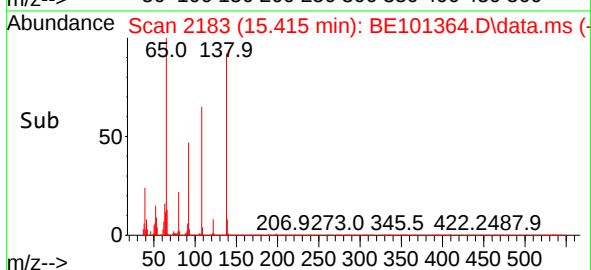
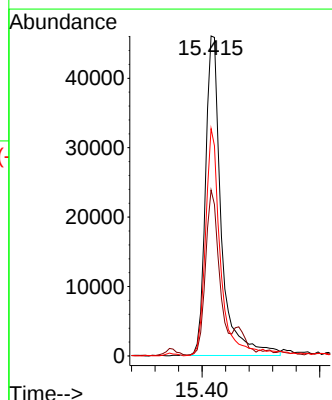
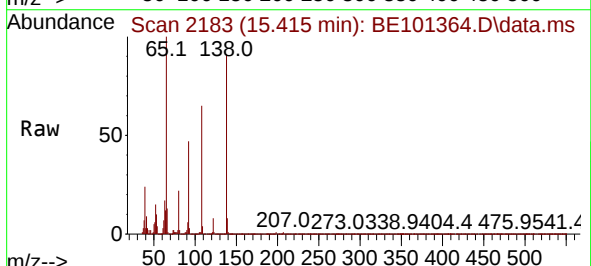
Manual Integrations
APPROVED

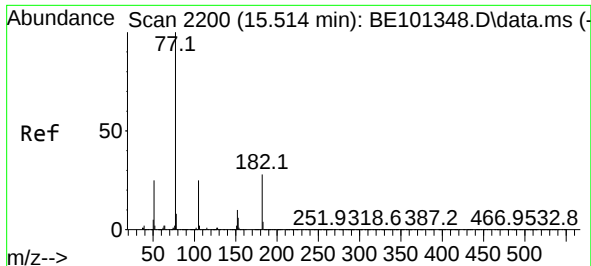
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024



#62
4-Nitroaniline
Concen: 8.430 ng
RT: 15.415 min Scan# 2183
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

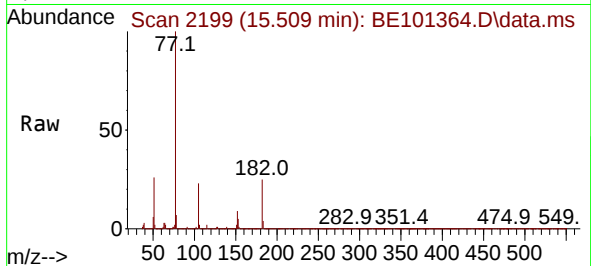
Tgt Ion: 138 Resp: 86004
Ion Ratio Lower Upper
138 100
92 51.9 26.8 66.8
108 71.1 44.7 84.7





#63
Azobenzene
Concen: 9.341 ng
RT: 15.509 min Scan# 2199
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

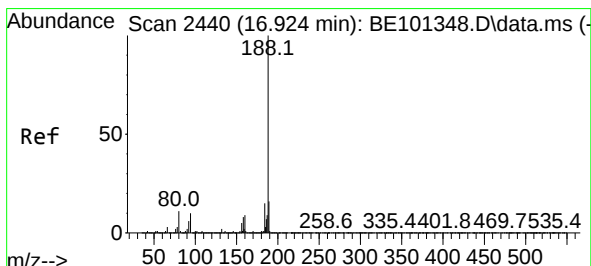
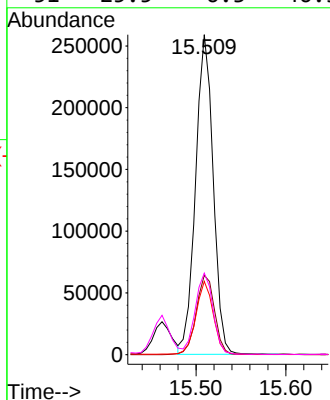
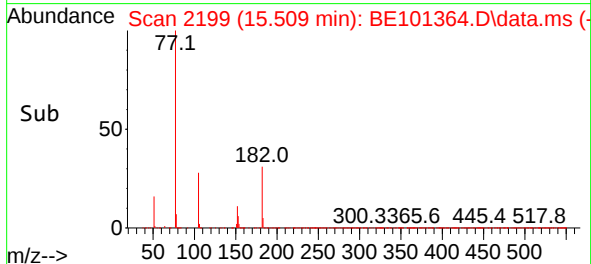
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 77 Resp: 352168
Ion Ratio Lower Upper
77 100
182 24.8 7.8 47.8
105 22.9 4.3 44.3
51 25.5 6.3 46.3

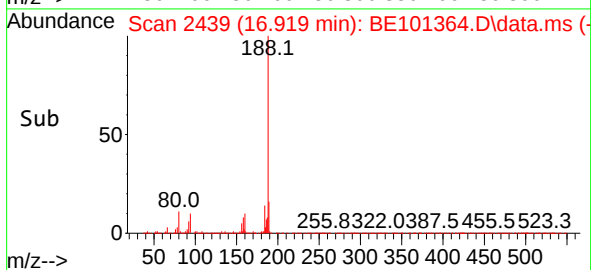
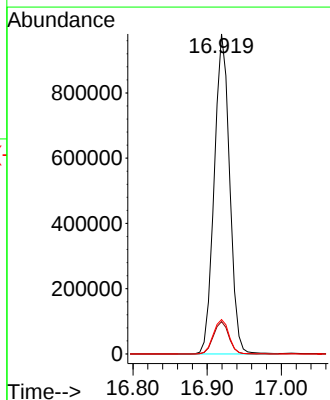
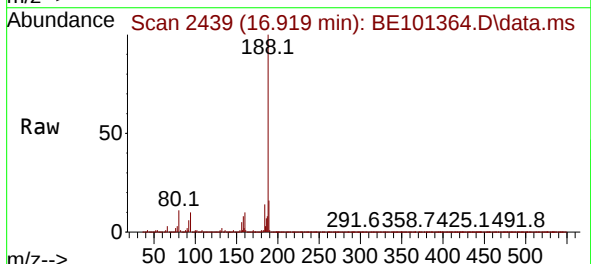
Manual Integrations
APPROVED

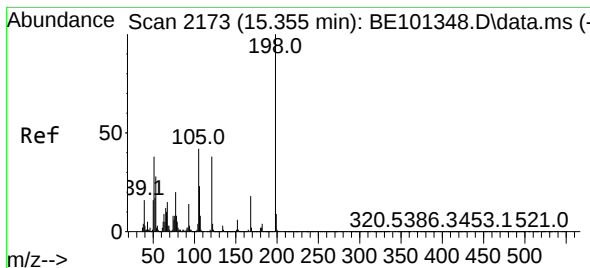
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.919 min Scan# 2439
Delta R.T. -0.005 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:188 Resp: 1414699
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.2
80 10.8 8.6 13.0





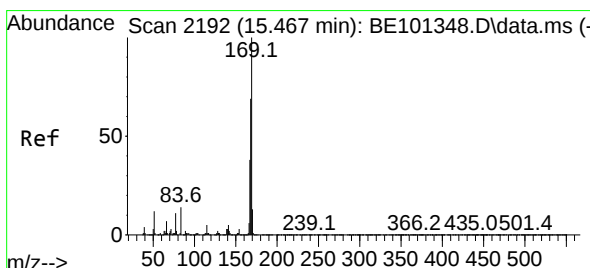
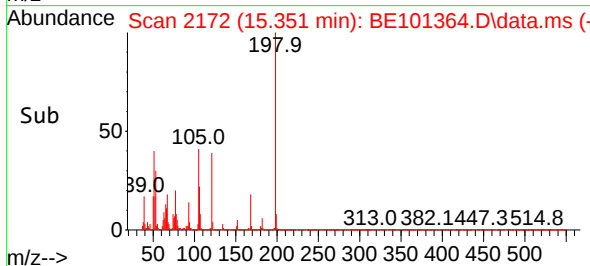
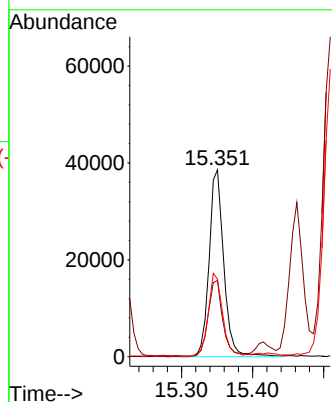
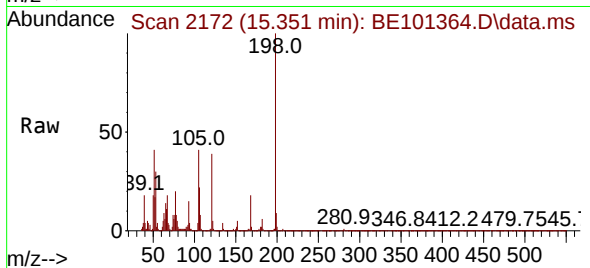
#65
4,6-Dinitro-2-methylphenol
Concen: 6.888 ng
RT: 15.351 min Scan# 2173
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:198 Resp: 55330
Ion Ratio Lower Upper
198 100
51 40.8 18.1 58.1
105 41.5 22.0 62.0

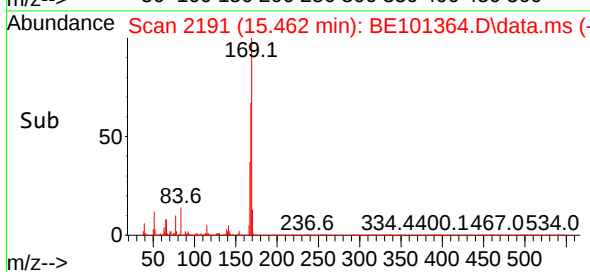
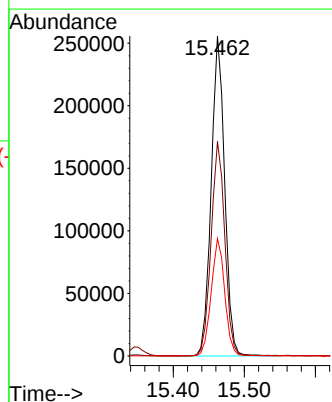
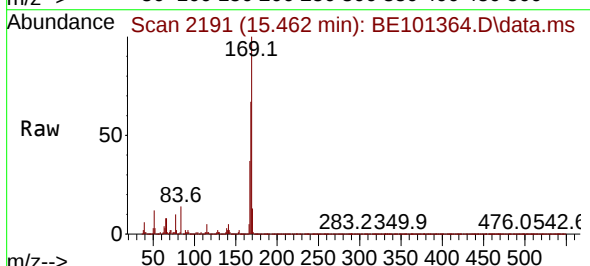
Manual Integrations
APPROVED

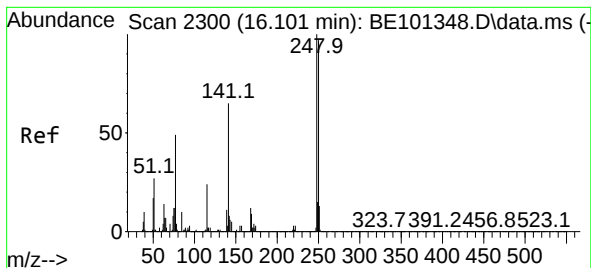
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#66
n-Nitrosodiphenylamine
Concen: 8.959 ng
RT: 15.462 min Scan# 2191
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

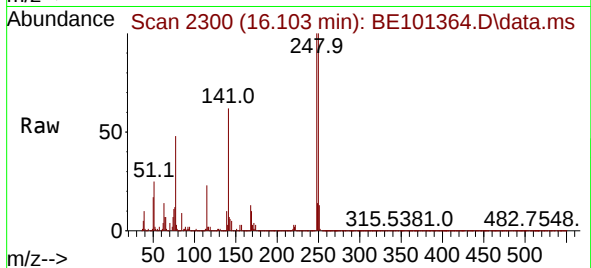
Tgt Ion:169 Resp: 337843
Ion Ratio Lower Upper
169 100
168 67.1 55.1 82.7
167 36.7 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 8.381 ng
RT: 16.103 min Scan# 2117
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

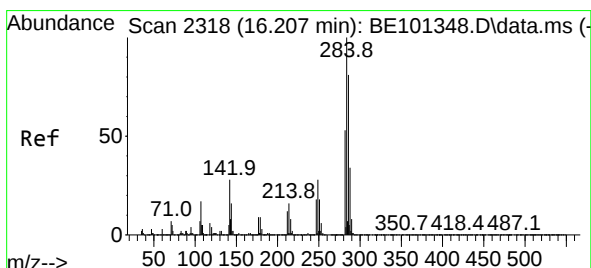
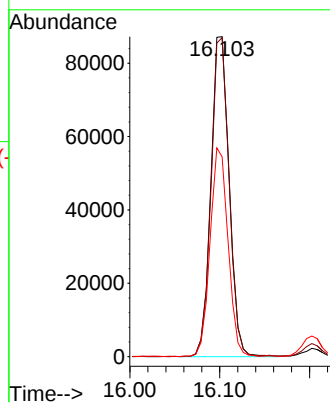
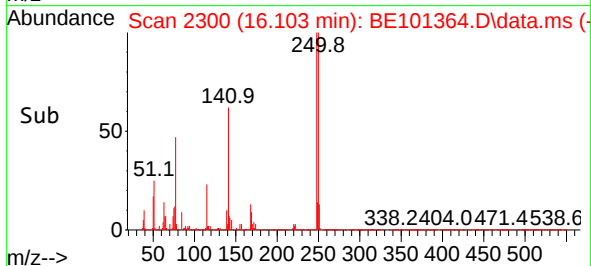
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



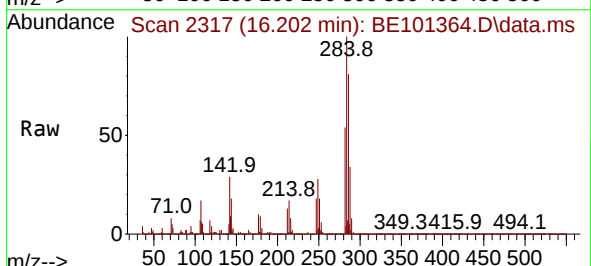
Tgt Ion:248 Resp: 123170
Ion Ratio Lower Upper
248 100
250 99.7 77.7 116.5
141 62.4 51.8 77.8

Manual Integrations
APPROVED

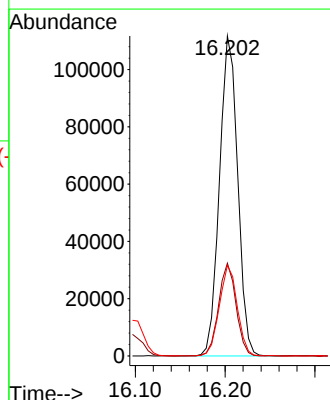
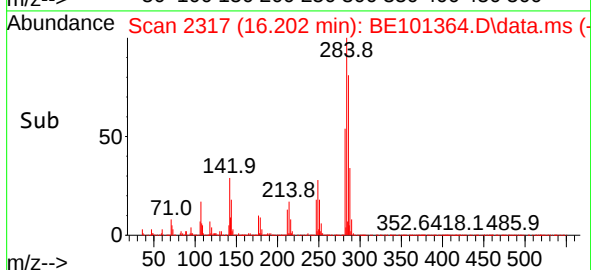
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

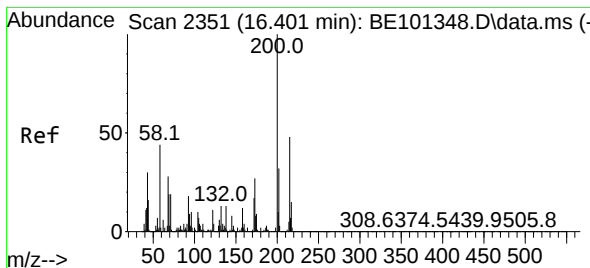


#68
Hexachlorobenzene
Concen: 8.277 ng
RT: 16.202 min Scan# 2317
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



Tgt Ion:284 Resp: 157210
Ion Ratio Lower Upper
284 100
142 29.0 22.1 33.1
249 28.3 22.7 34.1





#69

Atrazine

Concen: 10.416 ng

RT: 16.396 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:200 Resp: 129700

Ion Ratio Lower Upper

200 100

173 27.1 6.9 46.9

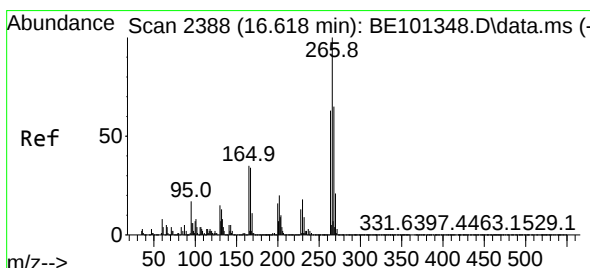
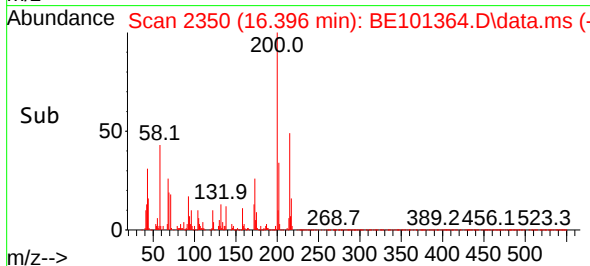
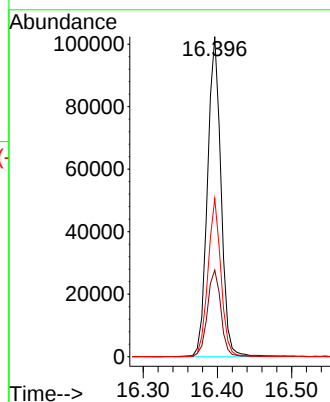
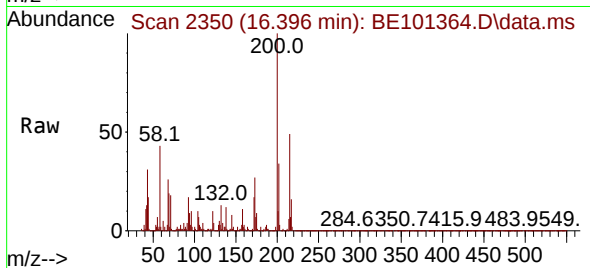
215 49.5 27.8 67.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#70

Pentachlorophenol

Concen: 7.478 ng

RT: 16.614 min Scan# 2387

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

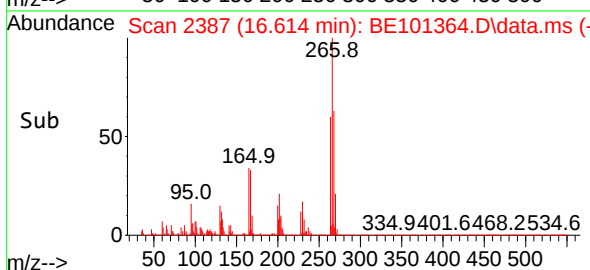
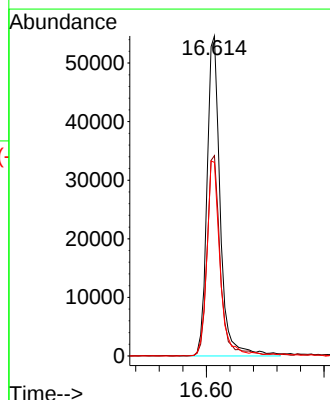
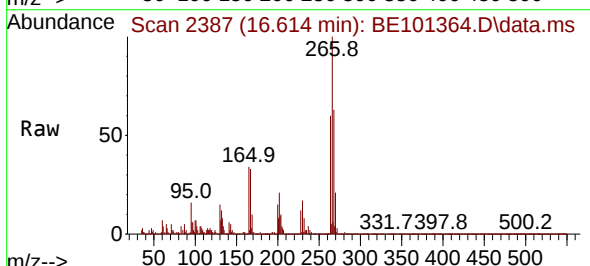
Tgt Ion:266 Resp: 84867

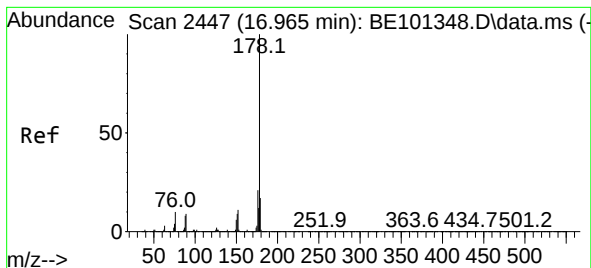
Ion Ratio Lower Upper

266 100

268 62.6 52.2 78.4

264 60.5 50.5 75.7





#71

Phenanthrene

Concen: 9.594 ng

RT: 16.960 min Scan# 2447

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

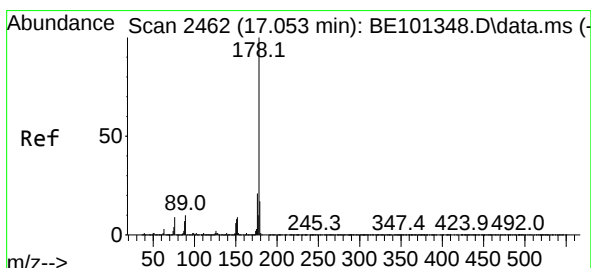
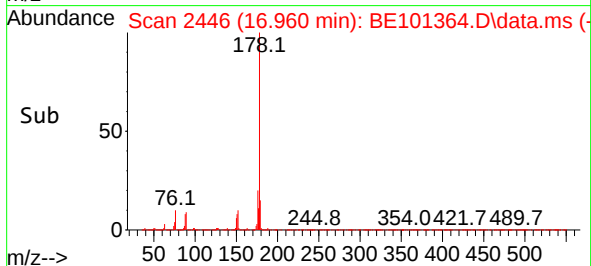
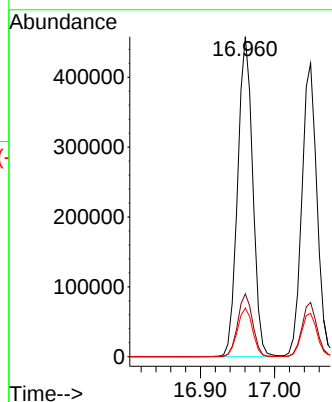
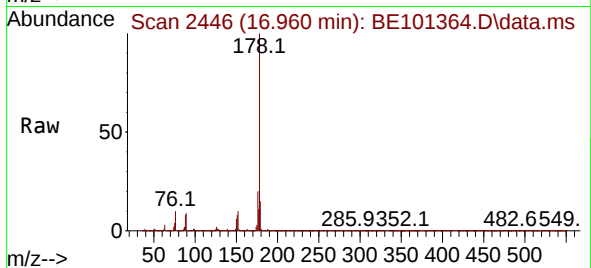
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:178	Resp: 64461
Ion Ratio	Lower Upper
178	100
176	19.6 16.8 25.2
179	15.2 13.3 19.9

Manual Integrations

APPROVED

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



#72

Anthracene

Concen: 9.211 ng

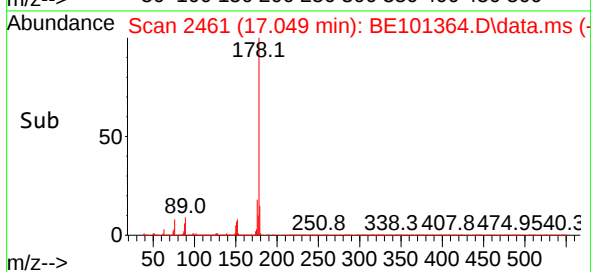
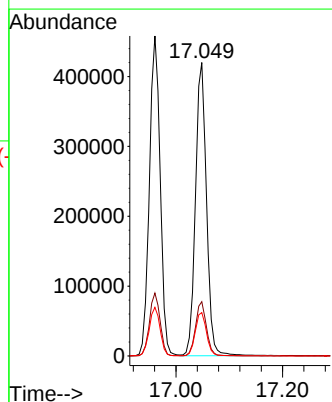
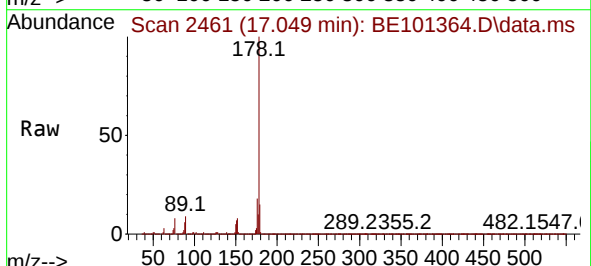
RT: 17.049 min Scan# 2461

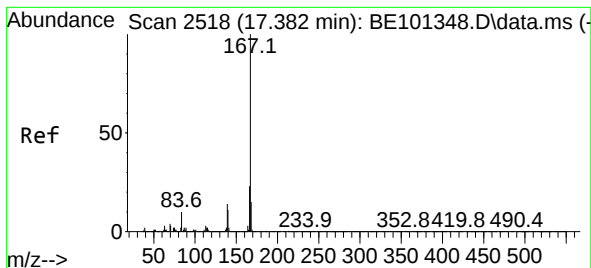
Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:178	Resp: 602246
Ion Ratio	Lower Upper
178	100
176	18.5 16.4 24.6
179	14.8 13.4 20.0





#73

Carbazole

Concen: 9.396 ng

RT: 17.378 min Scan# 2518

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

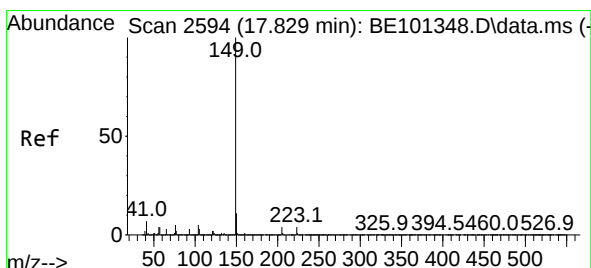
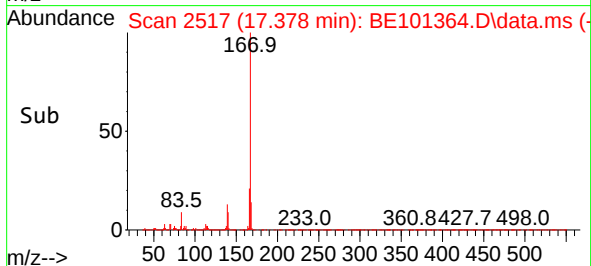
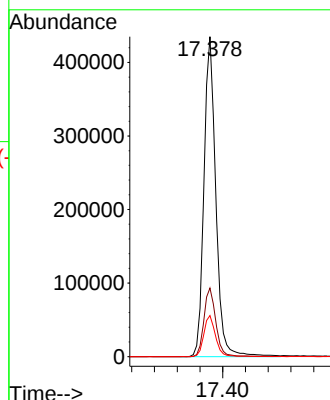
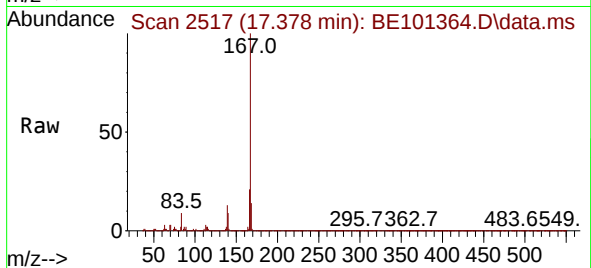
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	167	Resp:	62956
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.4	27.6
139	12.8	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: 9.909 ng

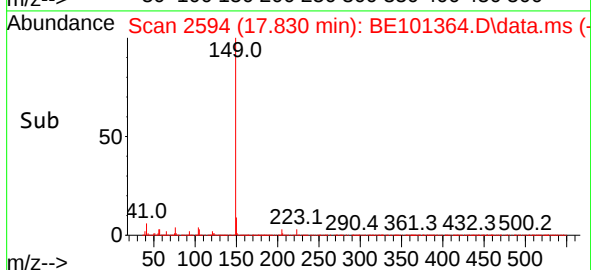
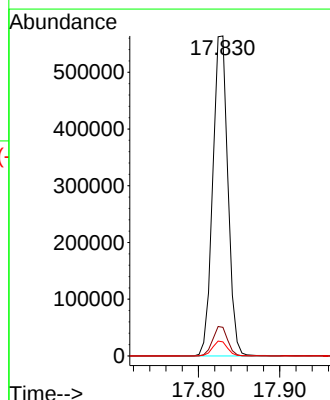
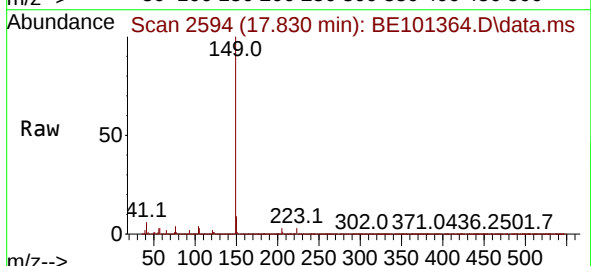
RT: 17.830 min Scan# 2594

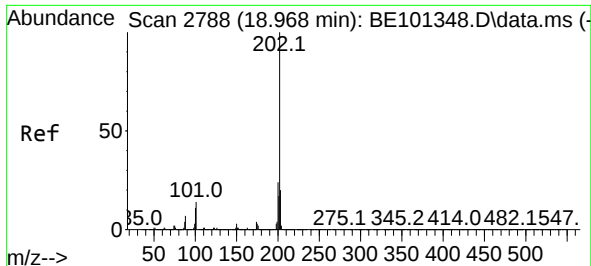
Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

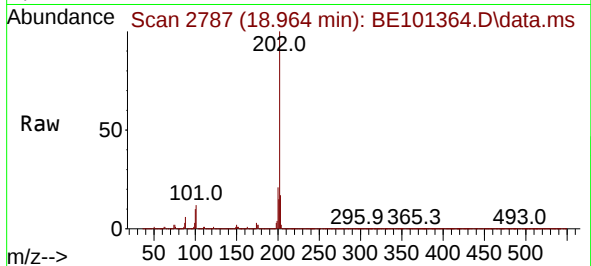
Tgt Ion:	149	Resp:	728994
Ion Ratio	Lower	Upper	
149	100		
150	9.0	9.0	13.6
104	4.4	4.4	6.6





#75
Fluoranthene
Concen: 9.835 ng
RT: 18.964 min Scan# 21
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

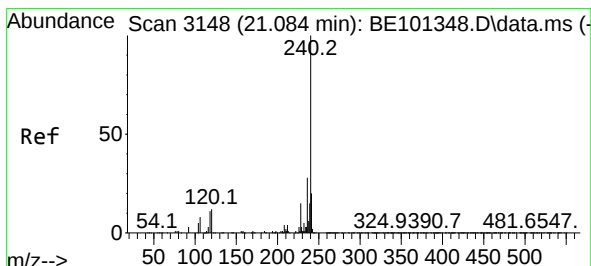
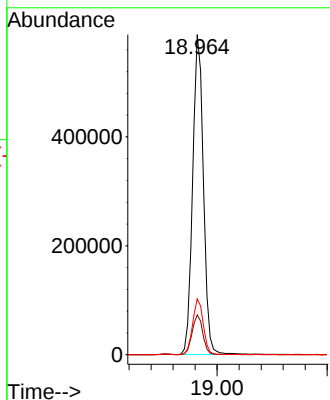
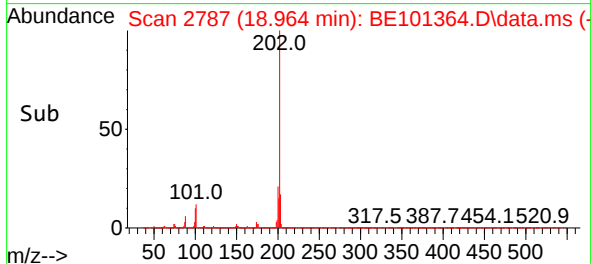
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:202 Resp: 79548
Ion Ratio Lower Upper
202 100
101 12.5 0.0 34.2
203 17.5 0.4 40.4

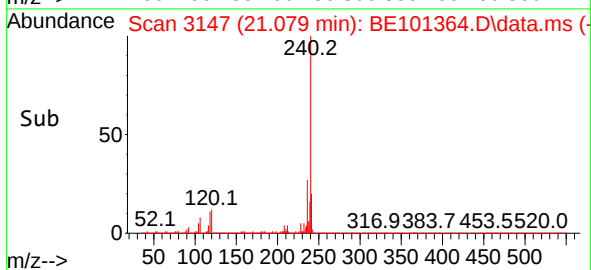
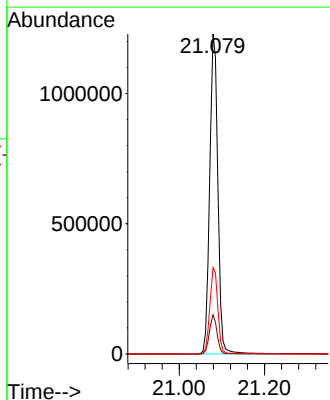
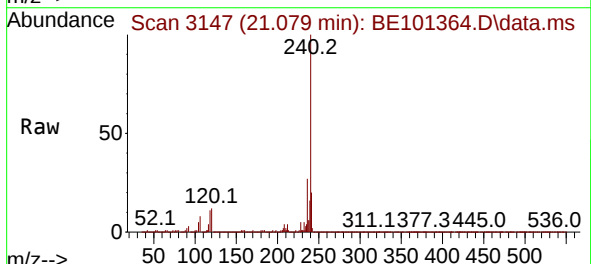
Manual Integrations
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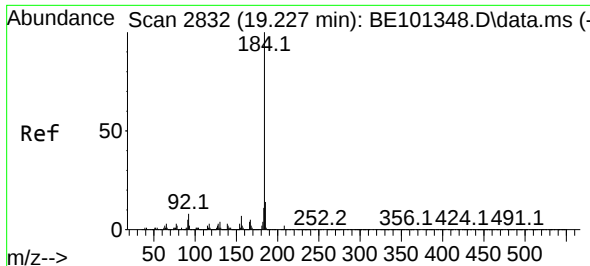
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.079 min Scan# 3147
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:240 Resp: 1627361
Ion Ratio Lower Upper
240 100
120 12.2 9.8 14.8
236 27.0 22.1 33.1





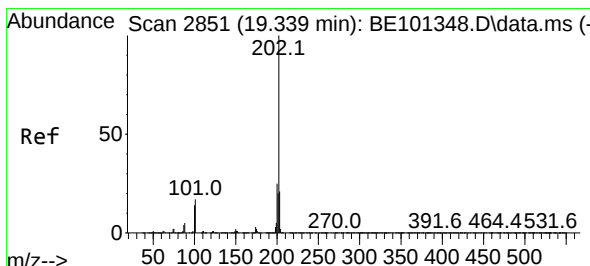
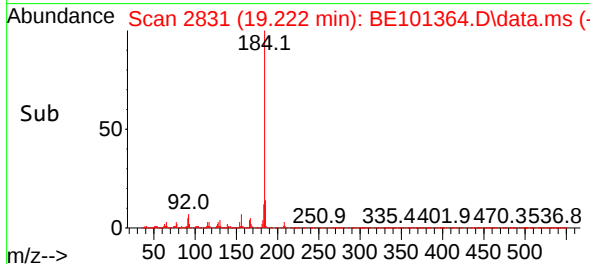
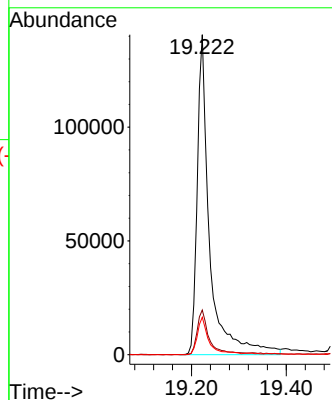
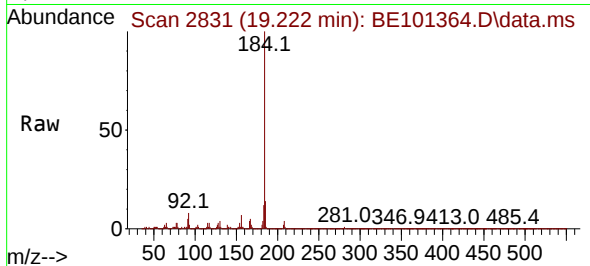
#77
Benzidine
Concen: 9.458 ng
RT: 19.222 min Scan# 2831
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:184 Resp: 255448
Ion Ratio Lower Upper
184 100
185 14.0 11.4 17.2
183 11.7 9.1 13.7

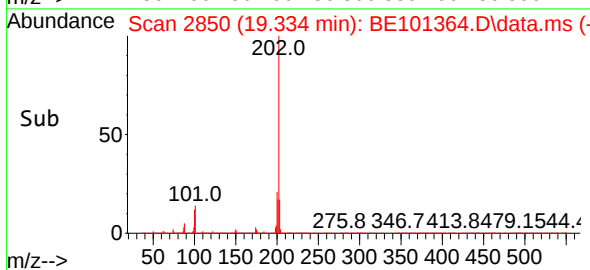
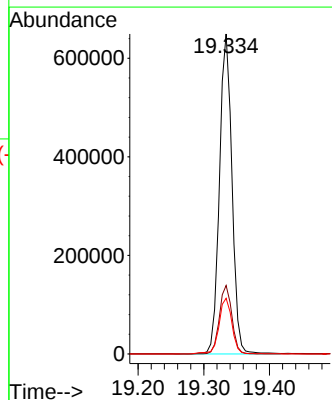
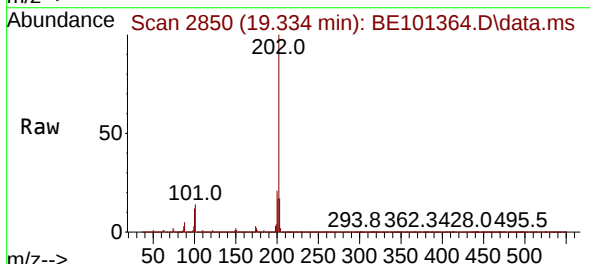
Manual Integrations
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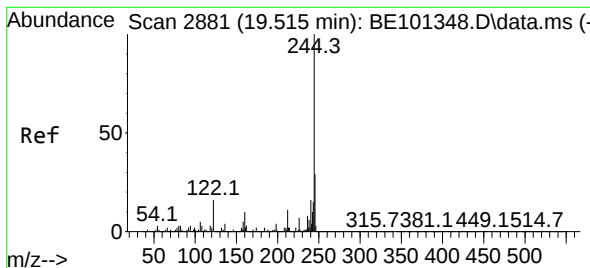
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#78
Pyrene
Concen: 9.439 ng
RT: 19.334 min Scan# 2850
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:202 Resp: 854332
Ion Ratio Lower Upper
202 100
200 21.4 20.2 30.2
203 17.4 16.6 25.0





#79

Terphenyl-d14

Concen: 67.780 ng

RT: 19.516 min Scan# 2881

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:244 Resp: 4974598

Ion Ratio Lower Upper

244 100

212 11.3 8.5 12.7

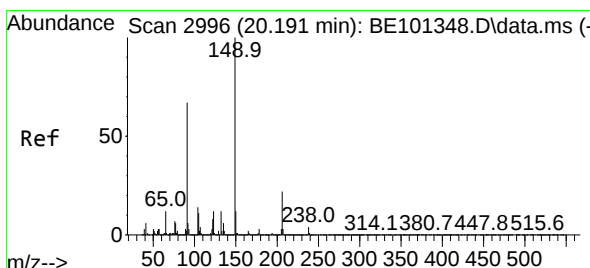
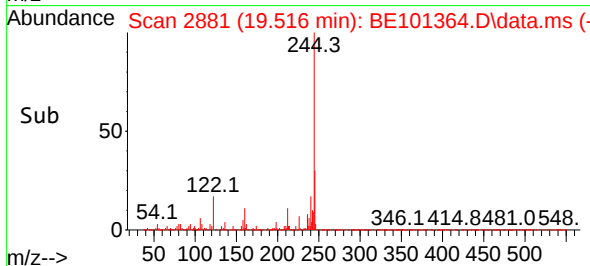
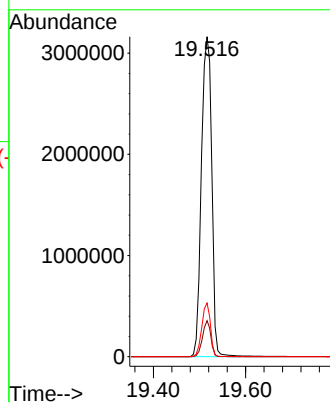
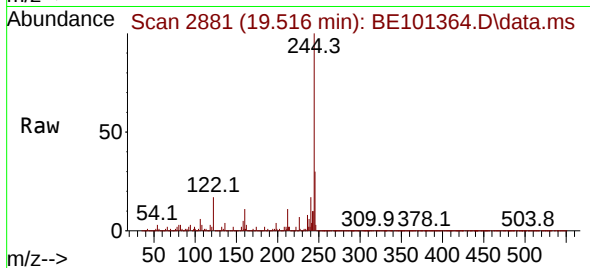
122 16.7 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#80

Butylbenzylphthalate

Concen: 9.068 ng

RT: 20.186 min Scan# 2995

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

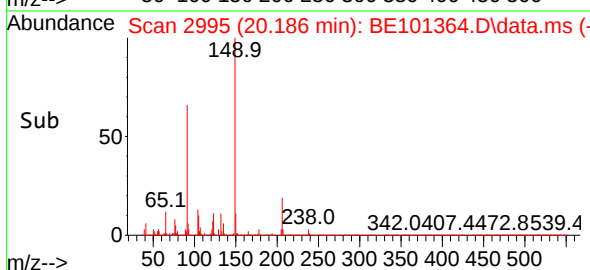
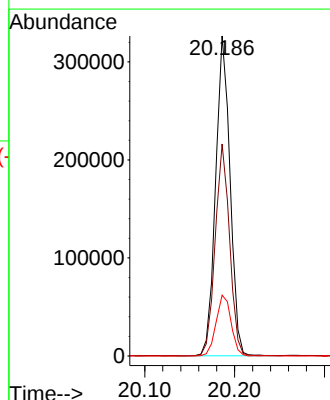
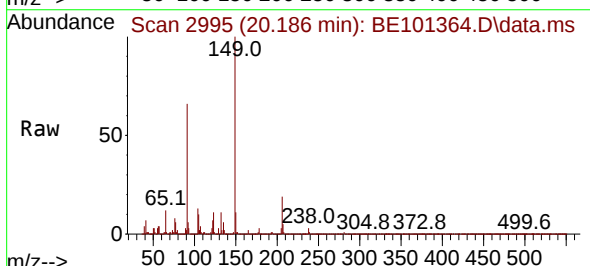
Tgt Ion:149 Resp: 363296

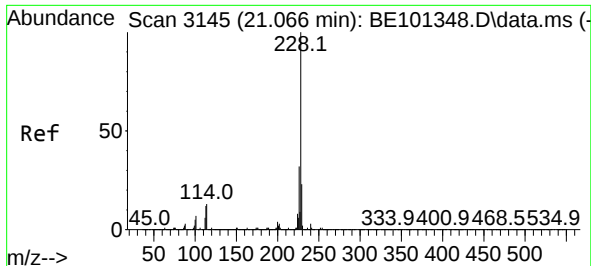
Ion Ratio Lower Upper

149 100

91 66.3 53.4 80.2

206 19.0 17.4 26.0





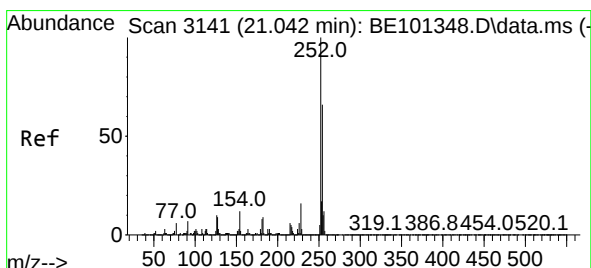
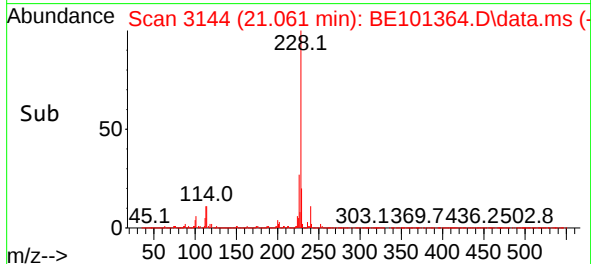
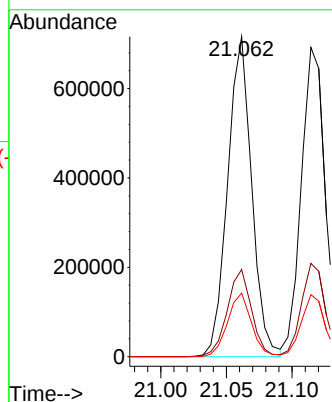
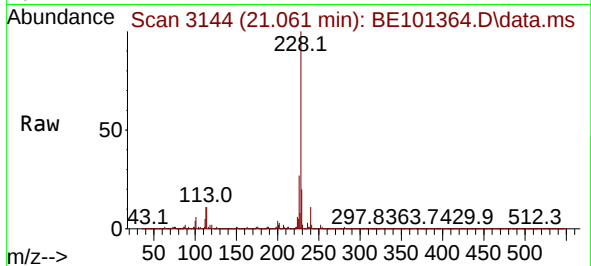
#81
Benzo(a)anthracene
Concen: 10.005 ng
RT: 21.061 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:228 Resp: 91431
Ion Ratio Lower Upper
228 100
226 27.3 25.7 38.5
229 19.9 18.6 28.0

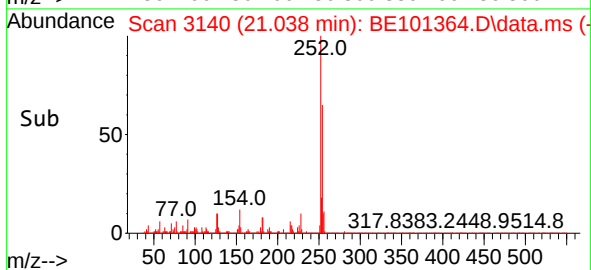
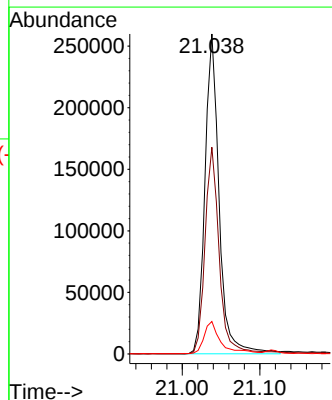
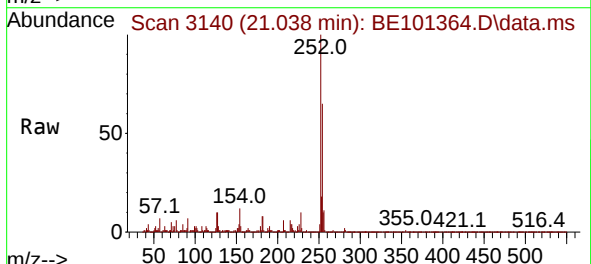
Manual Integrations
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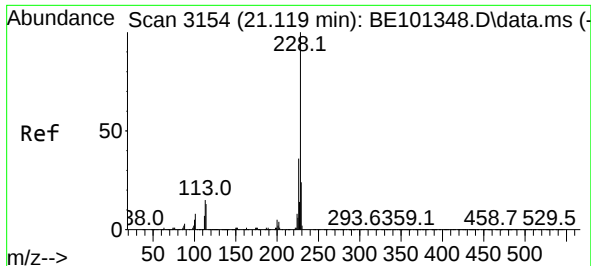
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#82
3,3'-Dichlorobenzidine
Concen: 9.179 ng
RT: 21.038 min Scan# 3140
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

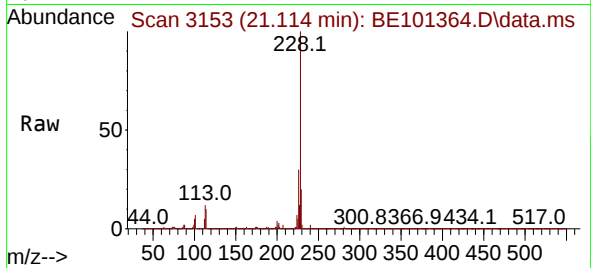
Tgt Ion:252 Resp: 328689
Ion Ratio Lower Upper
252 100
254 64.6 52.5 78.7
126 10.1 8.0 12.0





#83
Chrysene
Concen: 10.124 ng
RT: 21.114 min Scan# 3153
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

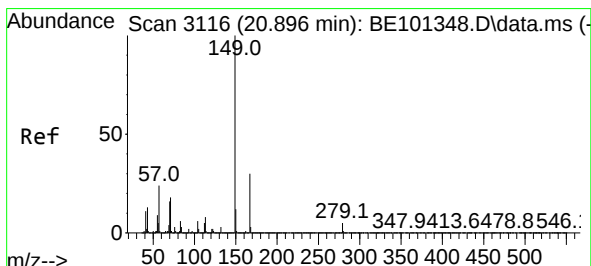
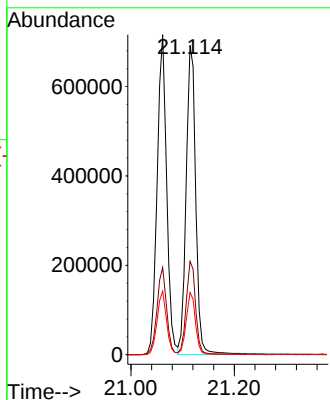
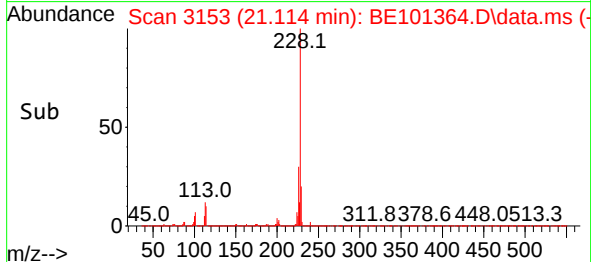
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024



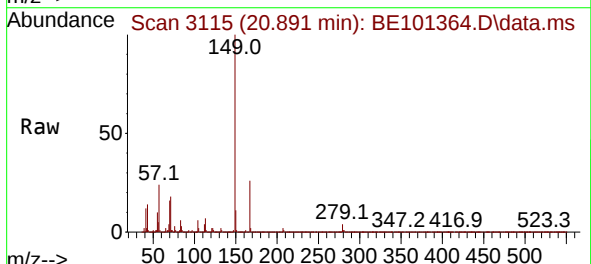
Tgt Ion:228 Resp: 88876
Ion Ratio Lower Upper
228 100
226 30.1 28.4 42.6
229 20.1 19.0 28.4

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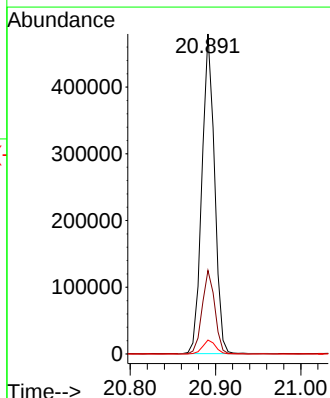
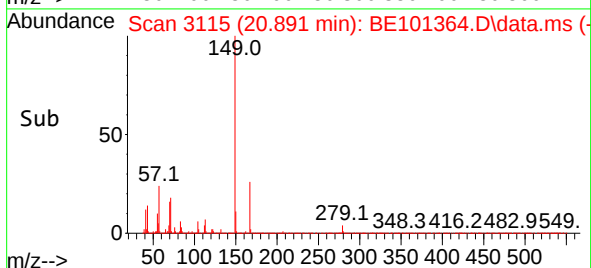
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

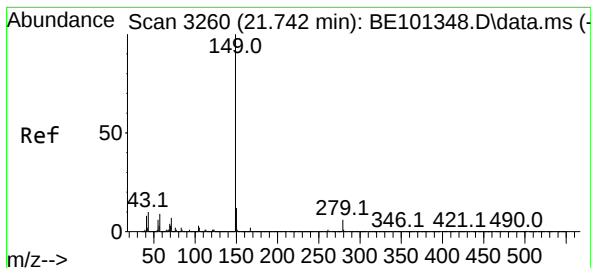


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.279 ng
RT: 20.891 min Scan# 3115
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26



Tgt Ion:149 Resp: 491662
Ion Ratio Lower Upper
149 100
167 26.1 23.9 35.9
279 4.3 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 9.940 ng

RT: 21.743 min Scan# 31

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

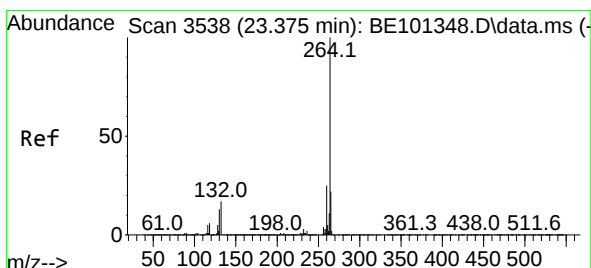
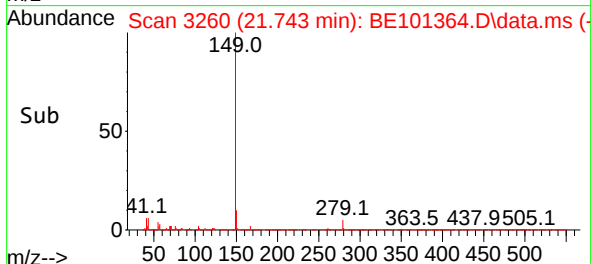
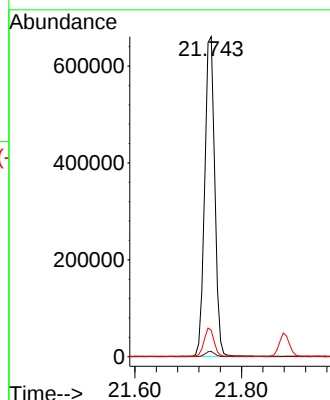
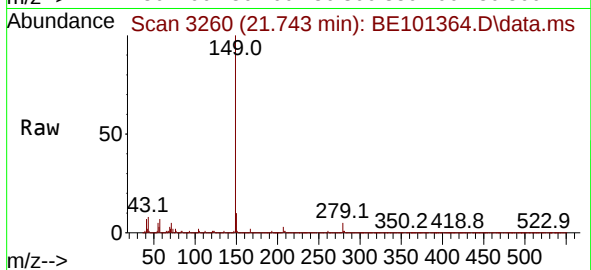
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	149	Resp:	85974
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.4	2.2
43	8.9	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

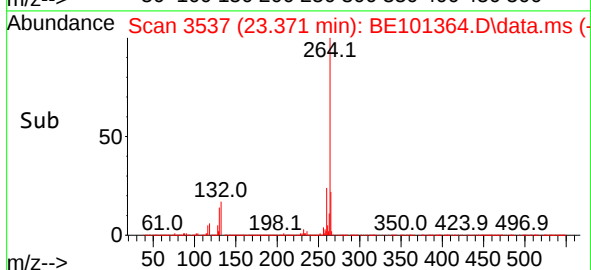
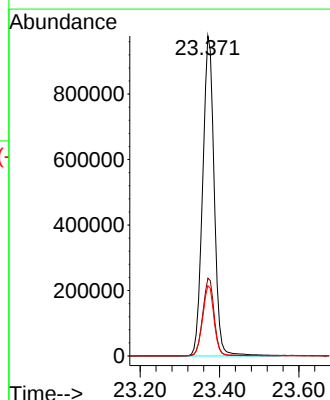
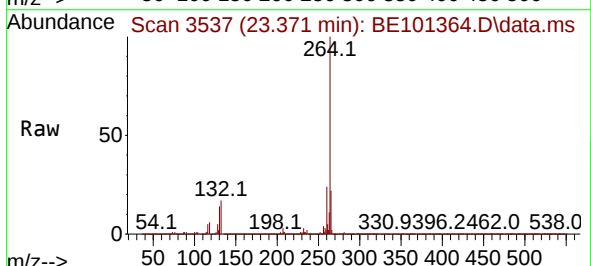
RT: 23.371 min Scan# 3537

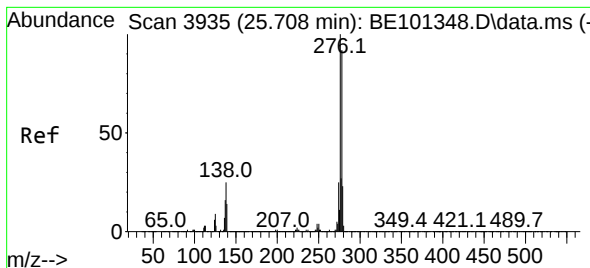
Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:	264	Resp:	1968599
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.8	29.6
265	22.0	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.666 ng

RT: 25.680 min Scan# 3935

Delta R.T. -0.028 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:276 Resp: 125370

Ion Ratio Lower Upper

276 100

138 22.8 19.2 28.8

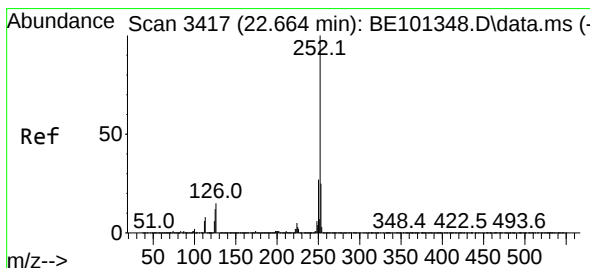
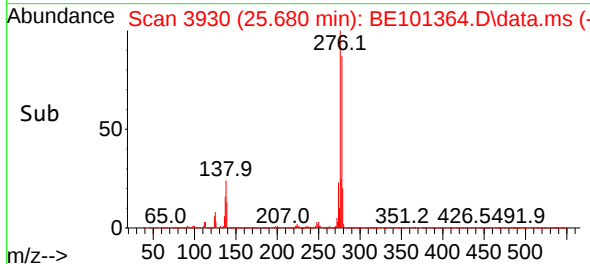
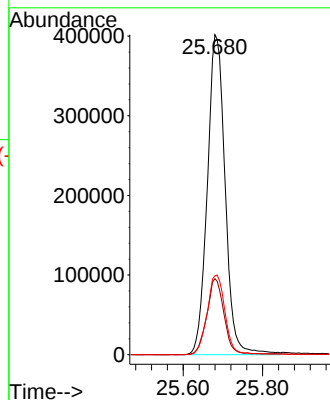
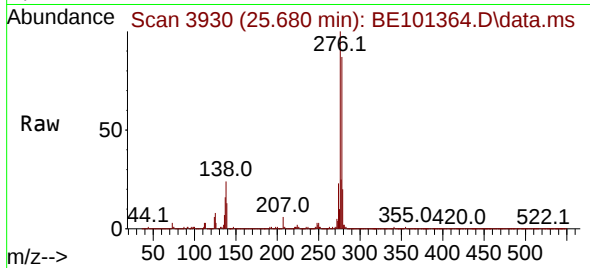
277 25.1 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#88

Benzo(b)fluoranthene

Concen: 9.871 ng

RT: 22.660 min Scan# 3416

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

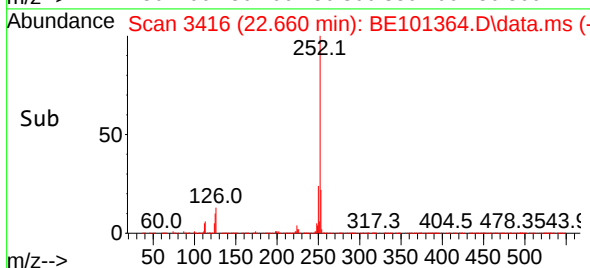
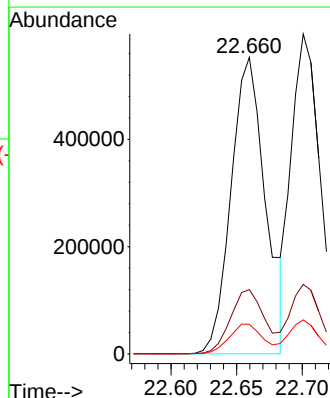
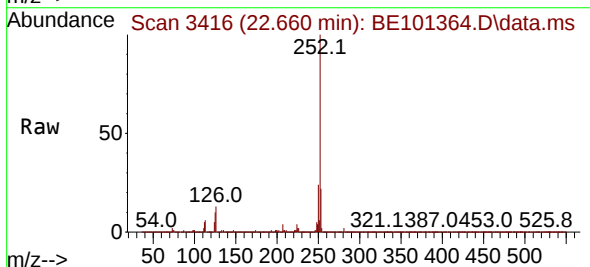
Tgt Ion:252 Resp: 1006443

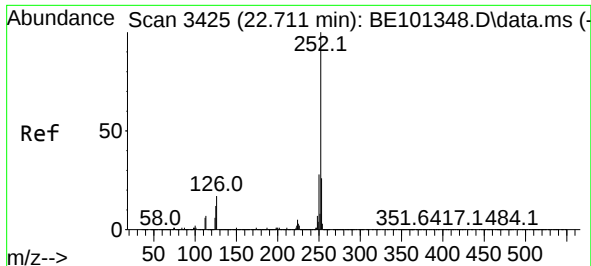
Ion Ratio Lower Upper

252 100

253 21.7 20.2 30.2

125 10.0 9.4 14.0





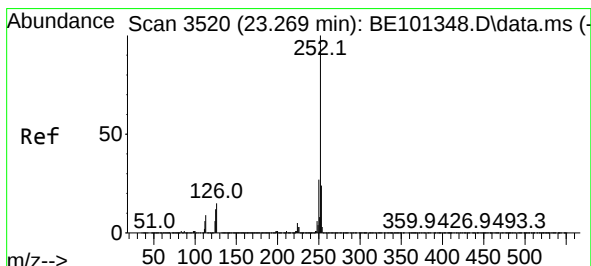
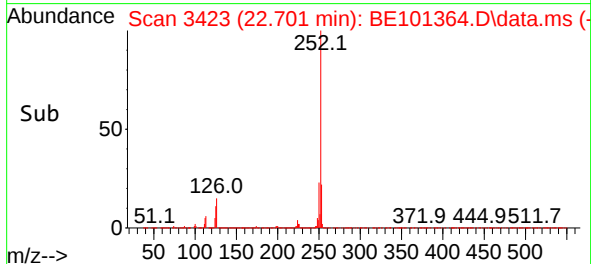
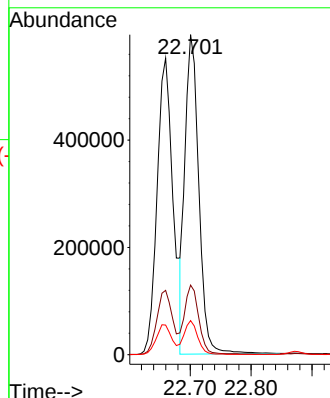
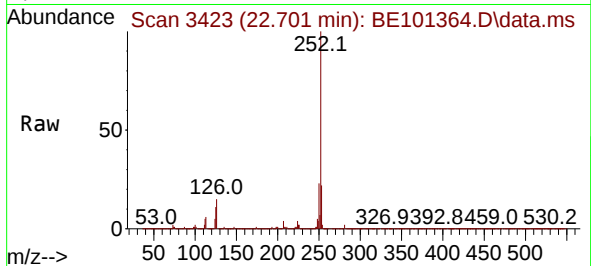
#89
Benzo(k)fluoranthene
Concen: 9.745 ng
RT: 22.701 min Scan# 3425
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

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

Tgt Ion:252 Resp: 937780
Ion Ratio Lower Upper
252 100
253 21.7 20.2 30.4
125 10.6 9.4 14.0

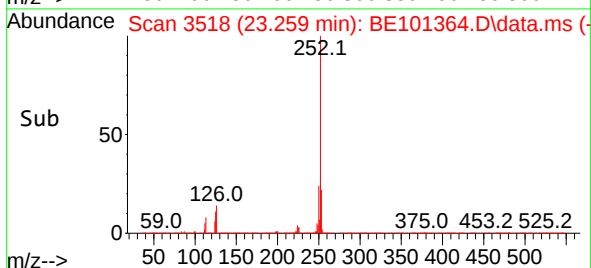
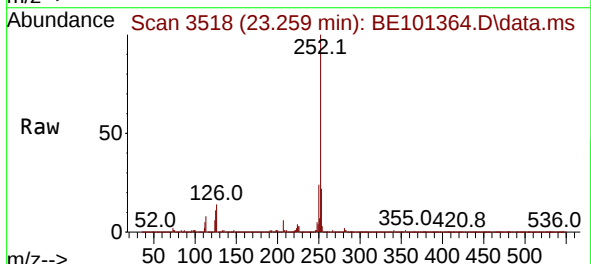
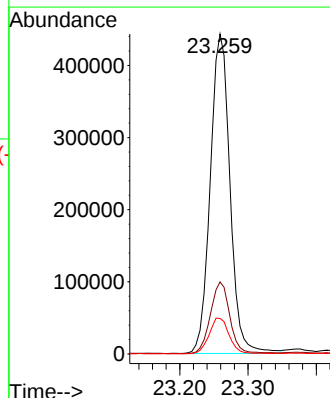
Manual Integrations
APPROVED

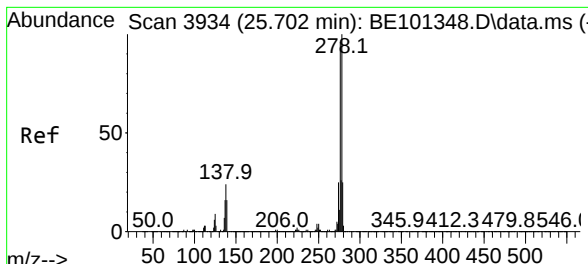
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90
Benzo(a)pyrene
Concen: 9.917 ng
RT: 23.259 min Scan# 3518
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

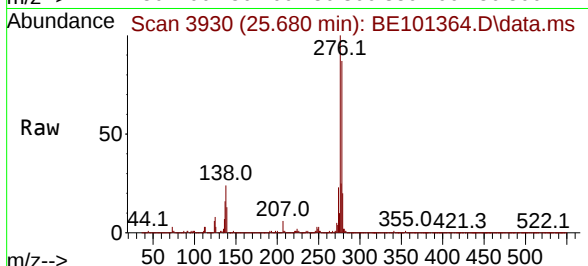
Tgt Ion:252 Resp: 892377
Ion Ratio Lower Upper
252 100
253 22.5 19.0 28.6
125 11.1 9.6 14.4





#91
 Dibenzo(a,h)anthracene
 Concen: 9.619 ng
 RT: 25.680 min Scan# 3934
 Delta R.T. -0.022 min
 Lab File: BE101364.D
 Acq: 18 Sep 2024 15:26

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

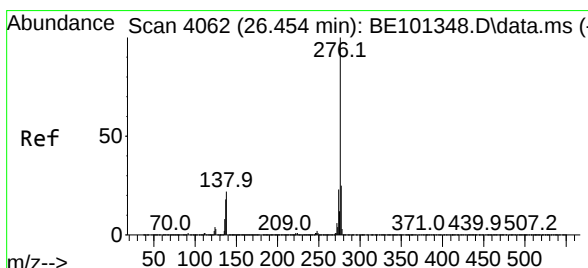
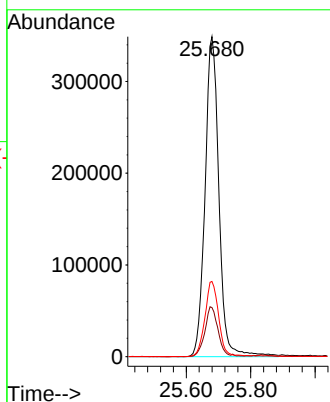
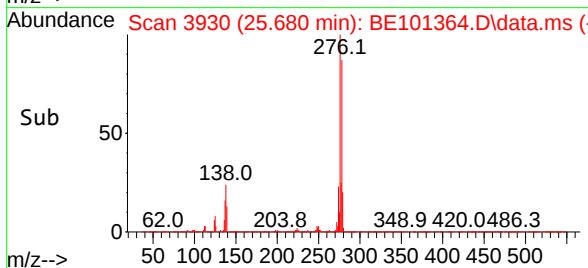


Tgt Ion: 278 Resp: 1044529

Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.4	18.6
279	23.5	19.8	29.8

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#92
 Benzo(g,h,i)perylene
 Concen: 8.824 ng
 RT: 26.432 min Scan# 4058
 Delta R.T. -0.022 min
 Lab File: BE101364.D
 Acq: 18 Sep 2024 15:26

Tgt Ion: 276 Resp: 972918

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	19.7	17.4	26.0

