

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101410.D
 Acq On : 29 Oct 2024 16:53
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL 8 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 29 17:38:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	157122	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	762928	20.000	ng	0.00
39) Acenaphthene-d10	14.179	164	546294	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	1268441	20.000	ng	0.00
76) Chrysene-d12	21.071	240	1452855	20.000	ng	0.00
86) Perylene-d12	23.357	264	1793897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	1111215	123.954	ng	0.00
7) Phenol-d6	6.947	99	1561347	125.606	ng	0.00
23) Nitrobenzene-d5	8.780	82	1111225	91.483	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	1245468	130.078	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2855849	88.533	ng	0.00
79) Terphenyl-d14	19.509	244	4448836	70.477	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.216	88	28783	8.608	ng	96
3) Pyridine	3.745	79	67245m	7.109	ng	
4) n-Nitrosodimethylamine	3.604	42	28889	7.893	ng	# 90
6) Aniline	7.017	93	106329	11.161	ng	99
8) 2-Chlorophenol	7.211	128	91209	8.483	ng	97
9) Benzaldehyde	6.782	77	67580	11.262	ng	98
10) Phenol	6.970	94	117964m	8.746	ng	
11) bis(2-Chloroethyl)ether	7.041	93	94023m	8.498	ng	
12) 1,3-Dichlorobenzene	7.458	146	96738	8.344	ng	99
13) 1,4-Dichlorobenzene	7.605	146	98656	8.333	ng	99
14) 1,2-Dichlorobenzene	7.934	146	97807	8.439	ng	99
15) Benzyl Alcohol	7.910	79	73402	9.906	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.069	45	126329	9.073	ng	99
17) 2-Methylphenol	8.151	107	69752	7.641	ng	98
18) Hexachloroethane	8.627	117	31913	8.254	ng	98
19) n-Nitroso-di-n-propyla...	8.375	70	70448	8.540	ng	99
20) 3+4-Methylphenols	8.492	107	95389	7.570	ng	99
22) Acetophenone	8.422	105	147272	8.502	ng	# 99
24) Nitrobenzene	8.821	77	107316	8.301	ng	98
25) Isophorone	9.273	82	199542	8.418	ng	99
26) 2-Nitrophenol	9.508	139	50041	8.008	ng	98
27) 2,4-Dimethylphenol	9.626	122	42506	5.406	ng	98
28) bis(2-Chloroethoxy)met...	9.779	93	121446	8.449	ng	99
29) 2,4-Dichlorophenol	10.055	162	84430	7.762	ng	97
30) 1,2,4-Trichlorobenzene	10.184	180	94317	7.959	ng	98
31) Naphthalene	10.384	128	321398	8.267	ng	100
32) Benzoic acid	9.820	122	25463	10.825	ng	96
33) 4-Chloroaniline	10.613	127	121568	8.992	ng	98
34) Hexachlorobutadiene	10.637	225	55704	7.942	ng	96
35) Caprolactam	11.389	113	30306m	7.268	ng	
36) 4-Chloro-3-methylphenol	11.782	107	93334	7.536	ng	98
37) 2-Methylnaphthalene	11.976	142	228228	8.148	ng	98
38) 1-Methylnaphthalene	12.205	142	215561	7.711	ng	100
40) 1,2,4,5-Tetrachloroben...	12.335	216	114962	8.383	ng	99
41) Hexachlorocyclopentadiene	12.317	237	22348	4.934	ng	99
43) 2,4,6-Trichlorophenol	12.652	196	74778	7.910	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	83786	7.739	ng	98
46) 1,1'-Biphenyl	13.004	154	323260	8.637	ng	99
47) 2-Chloronaphthalene	13.051	162	241159	8.156	ng	98
48) 2-Nitroaniline	13.380	65	57899	7.276	ng	94
49) Acenaphthylene	13.909	152	386698	8.843	ng	99
50) Dimethylphthalate	13.680	163	322993	8.376	ng	99
51) 2,6-Dinitrotoluene	13.815	165	65610	7.370	ng	93
52) Acenaphthene	14.238	154	234028	8.196	ng	100
53) 3-Nitroaniline	14.226	138	69706	7.874	ng	94
54) 2,4-Dinitrophenol	14.362	184	27079	9.597	ng	93
55) Dibenzofuran	14.585	168	389654	8.562	ng	97
56) 4-Nitrophenol	14.644	139	55829	6.887	ng	99
57) 2,4-Dinitrotoluene	14.602	165	88417	7.214	ng	95
58) Fluorene	15.219	166	316312	8.308	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.849	232	81171	8.115	ng	100
60) Diethylphthalate	15.008	149	333942	8.279	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	154045	8.154	ng	98
62) 4-Nitroaniline	15.413	138	73239	7.435	ng	98
63) Azobenzene	15.507	77	290554	8.381	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	44606	5.985	ng	95
66) n-Nitrosodiphenylamine	15.460	169	280222	8.331	ng	99
67) 4-Bromophenyl-phenylether	16.095	248	106714	7.998	ng	97
68) Hexachlorobenzene	16.201	284	137512	7.863	ng	99
69) Atrazine	16.389	200	104873	10.169	ng	98
70) Pentachlorophenol	16.606	266	67469	6.702	ng	96
71) Phenanthrene	16.953	178	529029	8.711	ng	99
72) Anthracene	17.041	178	492114	8.299	ng	98
73) Carbazole	17.370	167	507516	8.364	ng	98
74) Di-n-butylphthalate	17.822	149	583257	8.732	ng	98
75) Fluoranthene	18.956	202	641906	8.702	ng	97
77) Benzidine	19.215	184	179946	9.759	ng	99
78) Pyrene	19.326	202	690742	8.646	ng	96
80) Butylbenzylphthalate	20.178	149	299307	8.545	ng	97
81) Benzo(a)anthracene	21.054	228	756750	9.267	ng	95
82) 3,3'-Dichlorobenzidine	21.030	252	278519	8.707	ng	98
83) Chrysene	21.107	228	728152	9.222	ng	95
84) Bis(2-ethylhexyl)phtha...	20.883	149	408559	8.781	ng	97
85) Di-n-octyl phthalate	21.729	149	707217	9.261	ng	100
87) Indeno(1,2,3-cd)pyrene	25.666	276	1076011	8.963	ng	99
88) Benzo(b)fluoranthene	22.646	252	831673	8.896	ng	97
89) Benzo(k)fluoranthene	22.687	252	806618	9.235	ng	97
90) Benzo(a)pyrene	23.245	252	759634	9.291	ng	98
91) Dibenzo(a,h)anthracene	25.660	278	891971	8.991	ng	99
92) Benzo(g,h,i)perylene	26.418	276	830527	8.125	ng	99

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

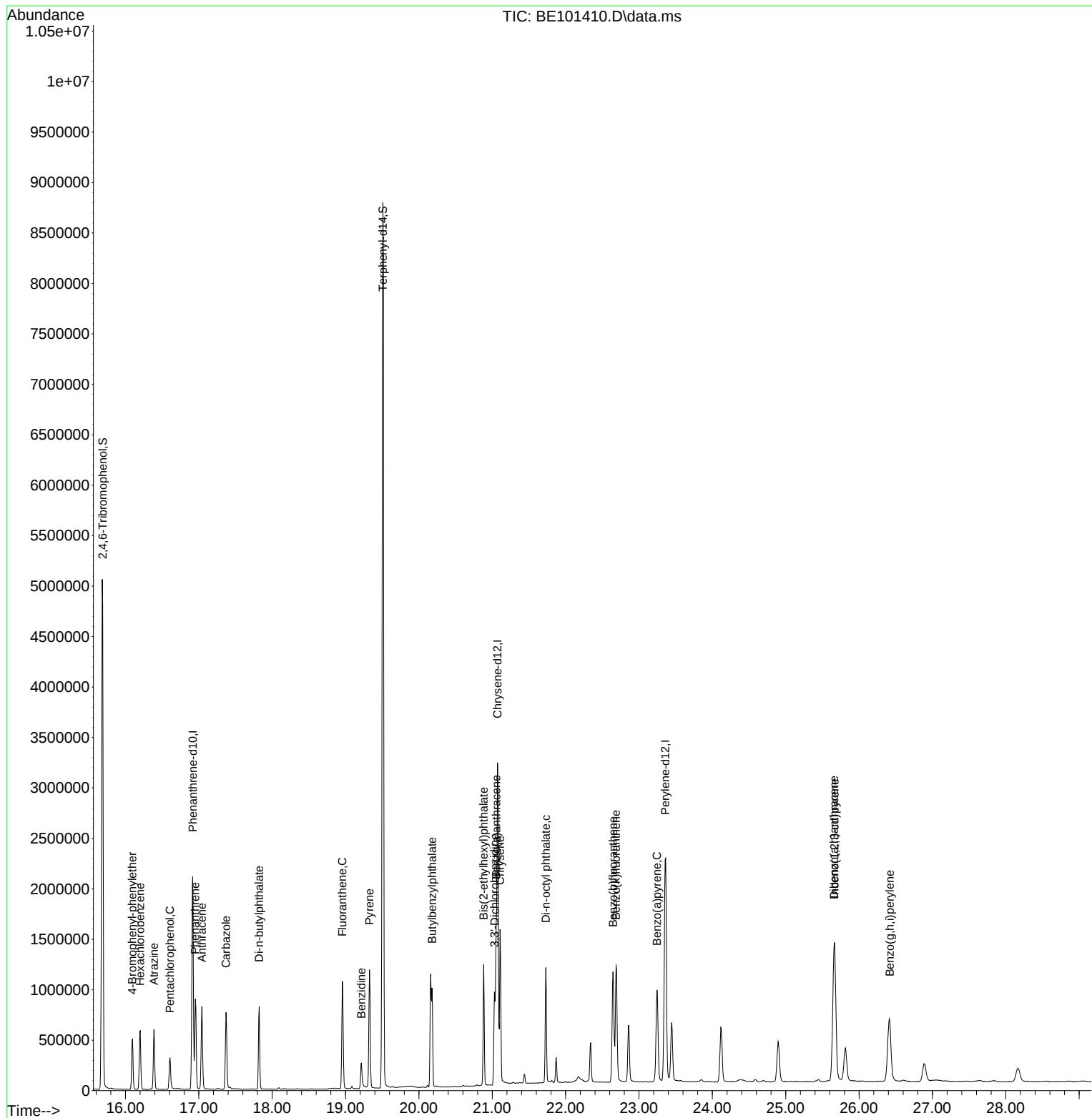
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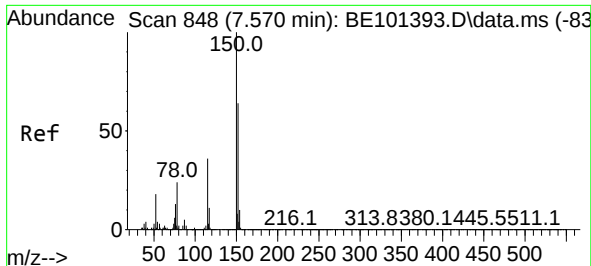
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ClientSampleId :
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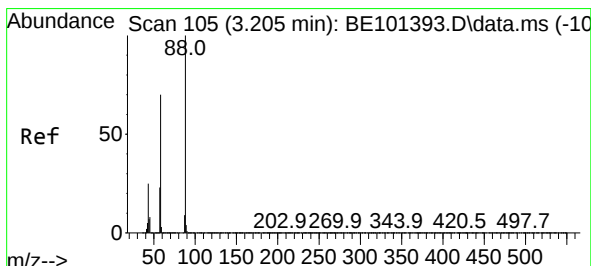
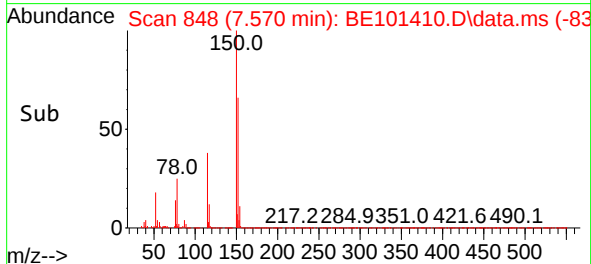
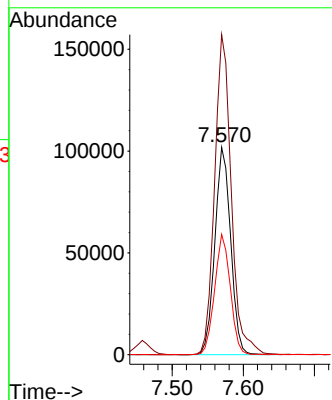
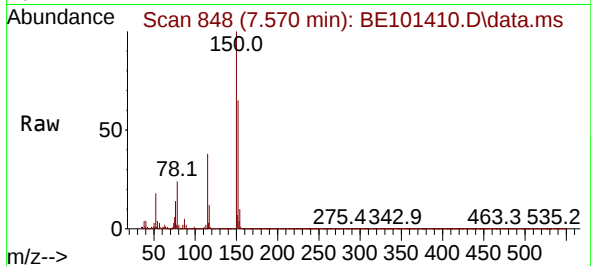
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 848
Delta R.T. -0.000 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:152 Resp: 15712
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.4
115 58.0 45.3 67.9

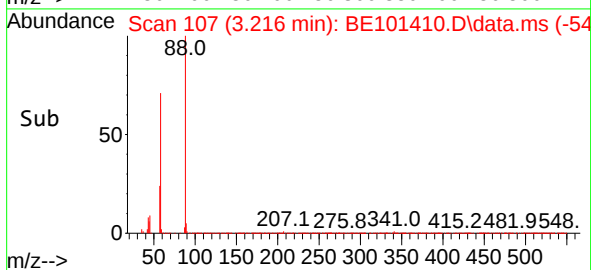
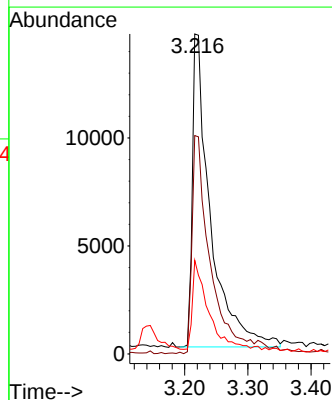
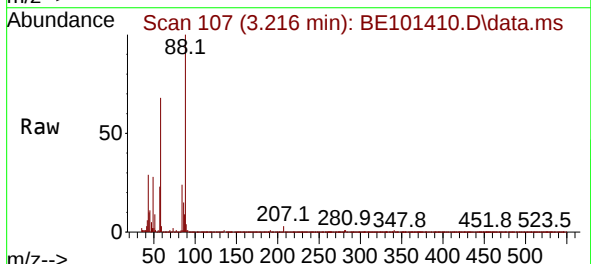
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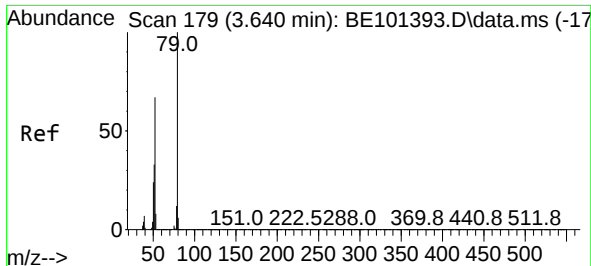
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#2
1,4-Dioxane
Concen: 8.608 ng
RT: 3.216 min Scan# 107
Delta R.T. 0.011 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 88 Resp: 28783
Ion Ratio Lower Upper
88 100
58 72.7 56.5 84.7
43 28.3 19.8 29.8





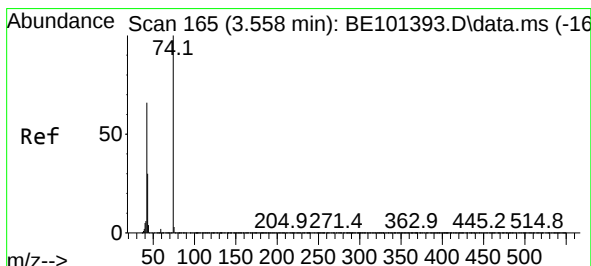
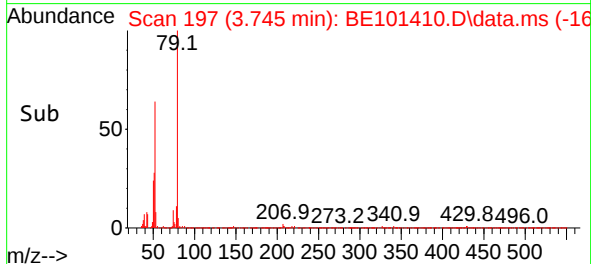
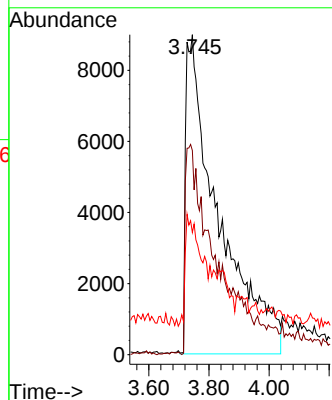
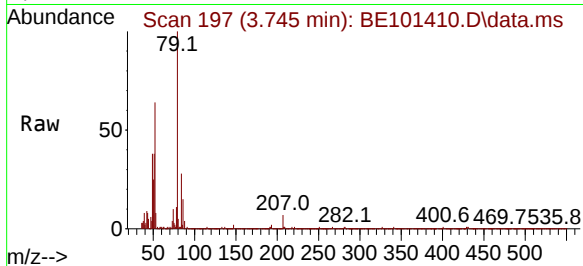
#3
Pyridine
Concen: 7.109 ng m
RT: 3.745 min Scan# 179
Delta R.T. 0.105 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 79 Resp: 6724
Ion Ratio Lower Upper
79 100
52 63.8 53.3 79.9
51 38.2 27.3 40.9

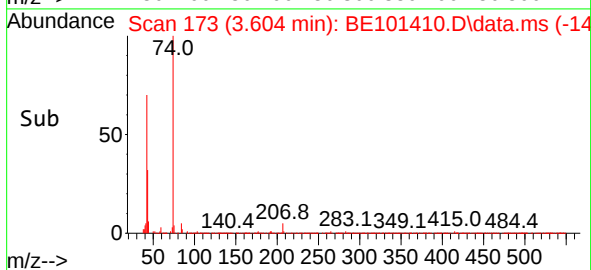
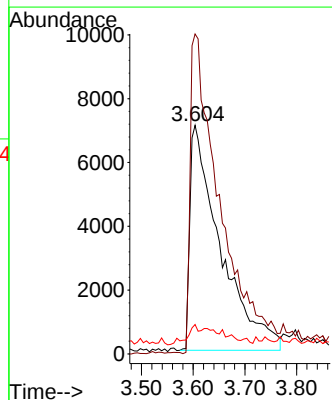
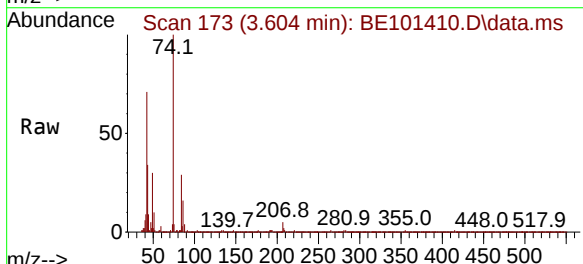
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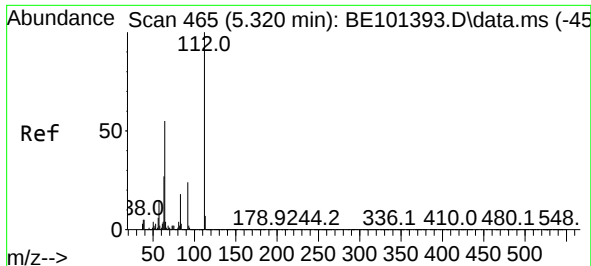
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#4
n-Nitrosodimethylamine
Concen: 7.893 ng
RT: 3.604 min Scan# 173
Delta R.T. 0.046 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

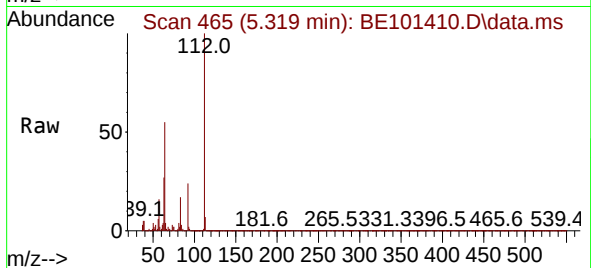
Tgt Ion: 42 Resp: 28889
Ion Ratio Lower Upper
42 100
74 140.0 121.4 182.0
44 12.9 5.6 8.4





#5
2-Fluorophenol
Concen: 123.954 ng
RT: 5.319 min Scan# 41
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

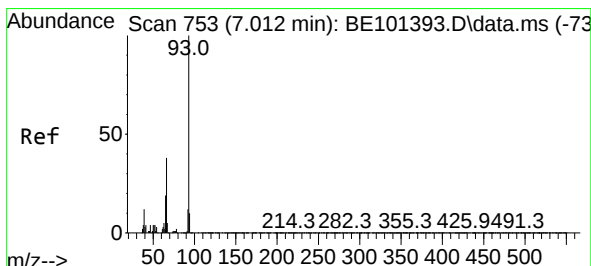
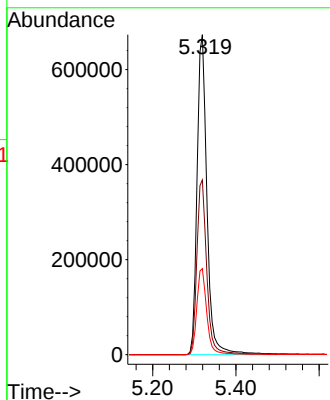
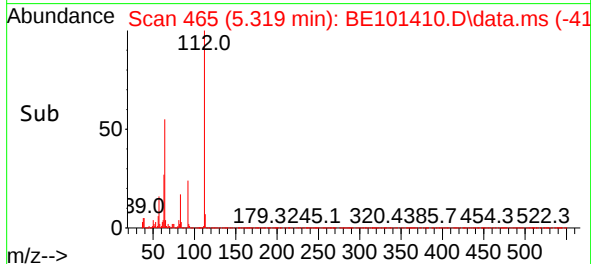
Instrument :
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Tgt Ion:112 Resp: 111121
Ion Ratio Lower Upper
112 100
64 54.6 43.7 65.5
63 26.9 21.4 32.2

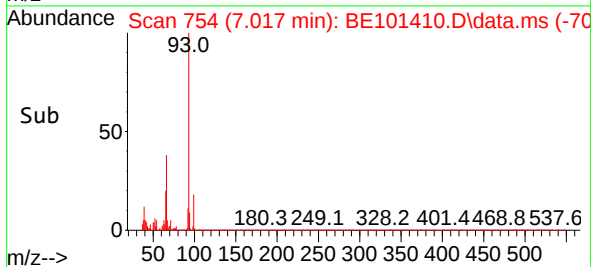
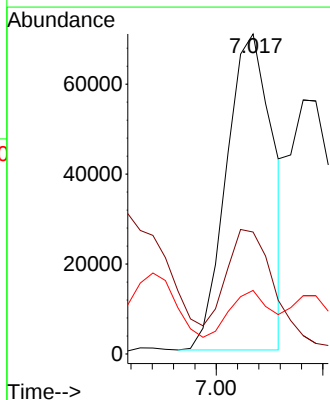
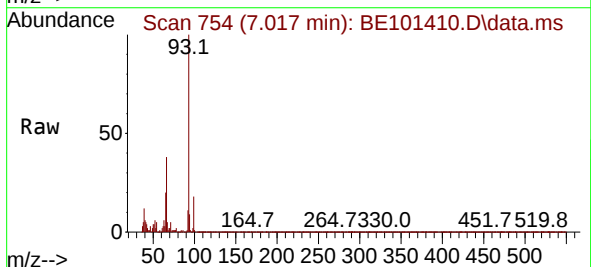
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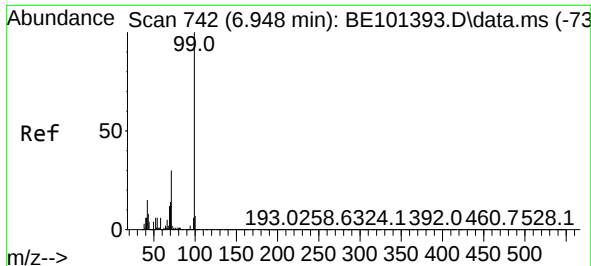
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#6
Aniline
Concen: 11.161 ng
RT: 7.017 min Scan# 754
Delta R.T. 0.005 min
Lab File: BE101410.D
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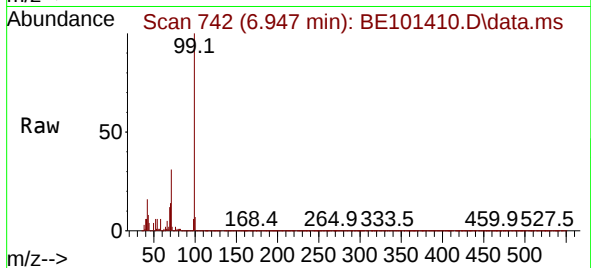
Tgt Ion: 93 Resp: 106329
Ion Ratio Lower Upper
93 100
66 38.1 31.0 46.4
65 19.8 15.5 23.3





#7
Phenol-d6
Concen: 125.606 ng
RT: 6.947 min Scan# 741
Delta R.T. -0.001 min
Lab File: BE101410.D
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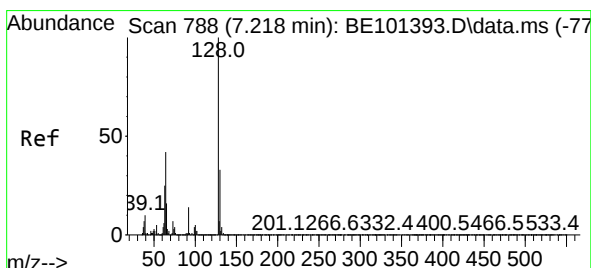
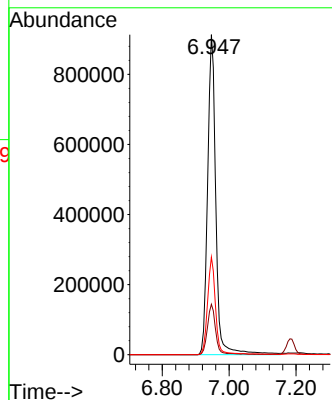
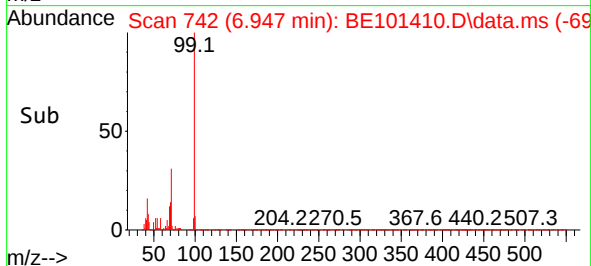
Instrument :
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Tgt Ion: 99 Resp: 156134
Ion Ratio Lower Upper
99 100
42 15.7 12.3 18.5
71 30.5 23.8 35.8

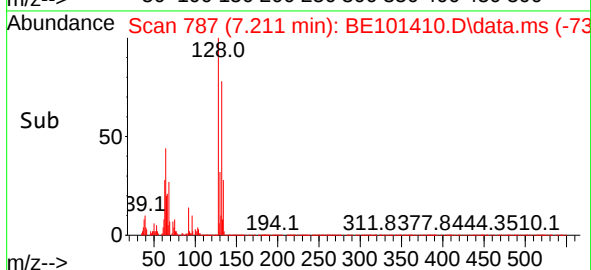
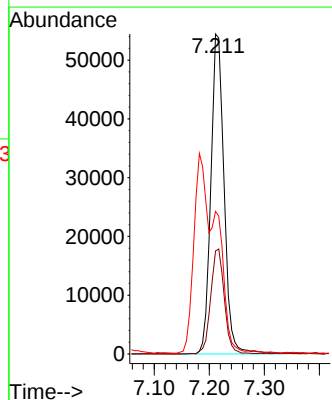
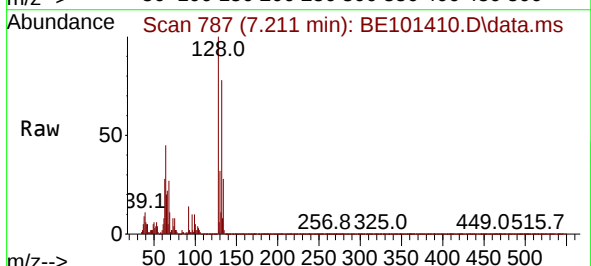
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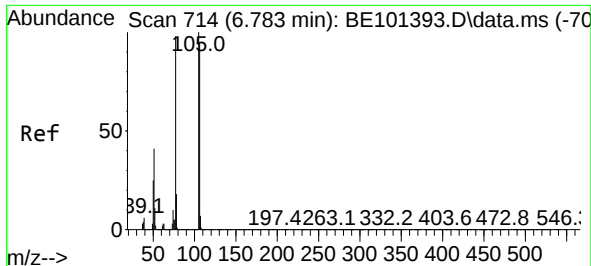
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Supervised By :mohammad ahmed 11/04/2024



#8
2-Chlorophenol
Concen: 8.483 ng
RT: 7.211 min Scan# 787
Delta R.T. -0.007 min
Lab File: BE101410.D
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Tgt Ion:128 Resp: 91209
Ion Ratio Lower Upper
128 100
130 32.2 12.9 52.9
64 44.5 22.3 62.3





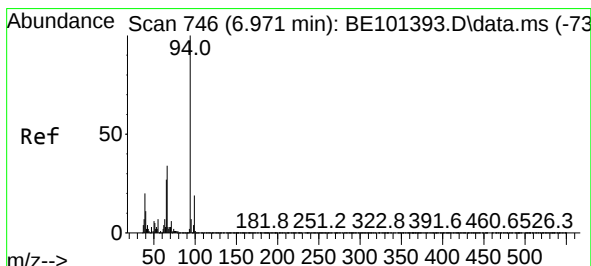
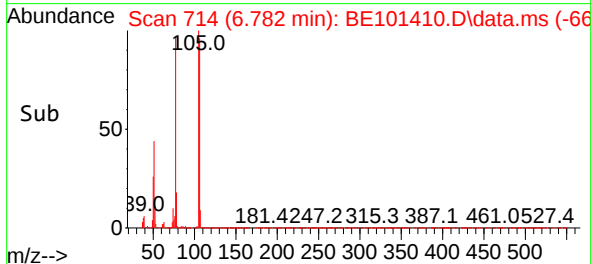
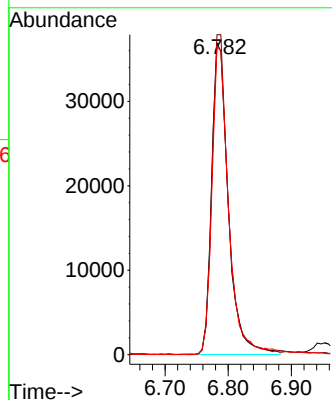
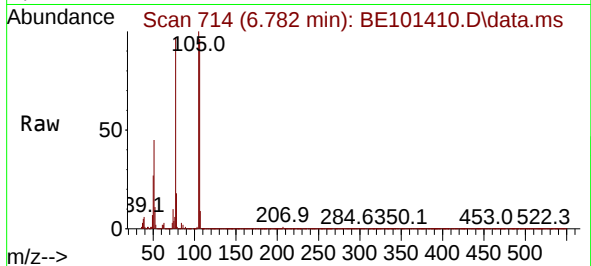
#9
Benzaldehyde
Concen: 11.262 ng
RT: 6.782 min Scan# 714
Delta R.T. -0.001 min
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Tgt Ion: 77 Resp: 67580
Ion Ratio Lower Upper
77 100
105 102.7 81.9 121.9
106 99.0 76.5 116.5

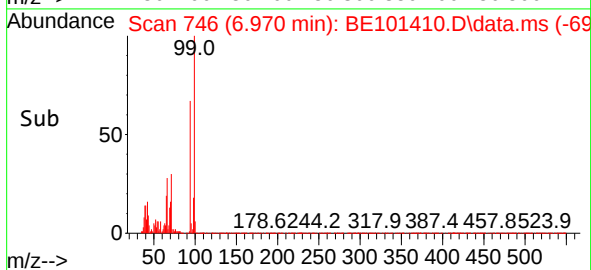
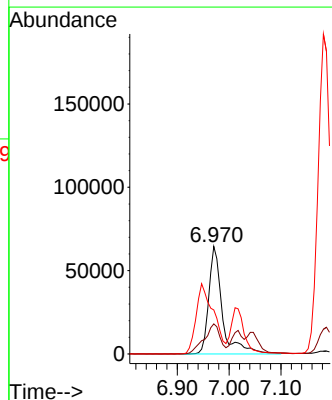
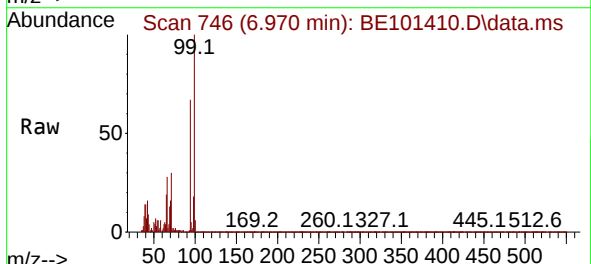
Manual Integrations
APPROVED

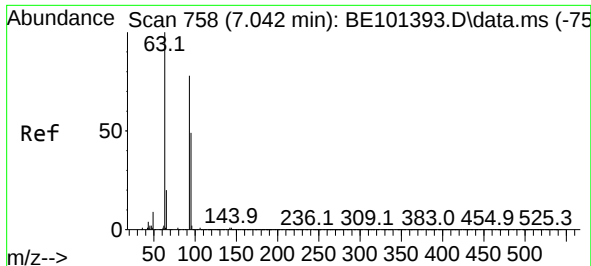
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#10
Phenol
Concen: 8.746 ng m
RT: 6.970 min Scan# 746
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 94 Resp: 117964
Ion Ratio Lower Upper
94 100
65 27.9 6.8 46.8
66 40.9 14.0 54.0





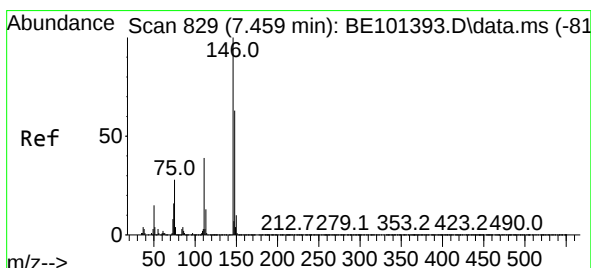
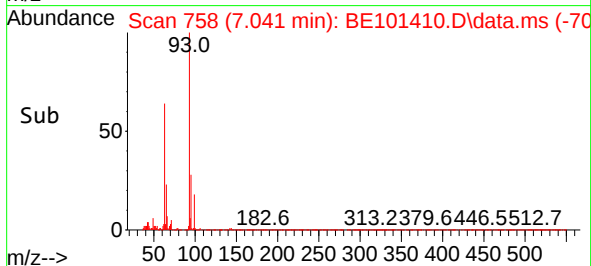
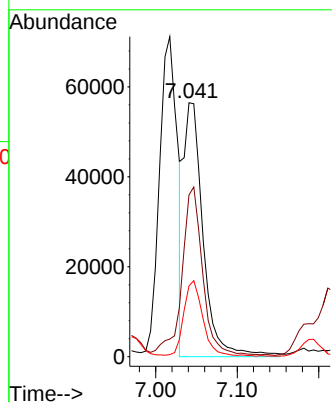
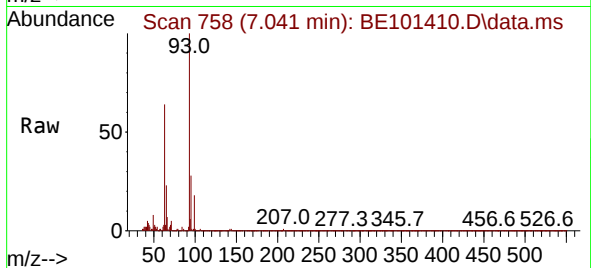
#11
bis(2-Chloroethyl)ether
Concen: 8.498 ng m
RT: 7.041 min Scan# 70
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 93 Resp: 9402
Ion Ratio Lower Upper
93 100
63 63.7 46.3 86.3
95 27.9 9.6 49.6

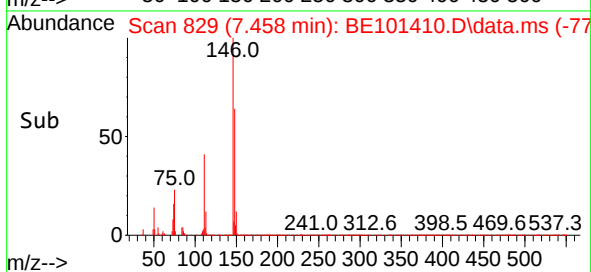
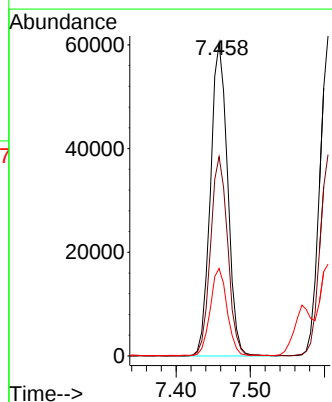
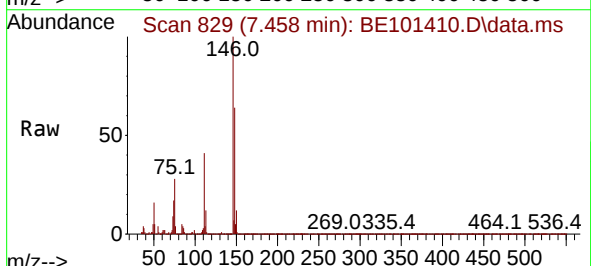
Manual Integrations
APPROVED

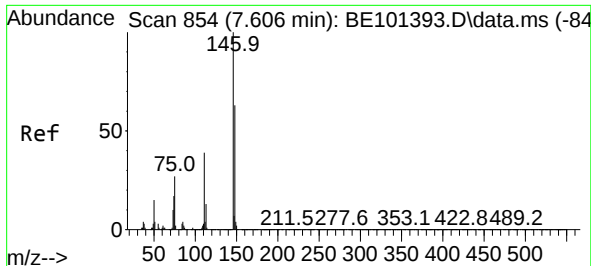
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#12
1,3-Dichlorobenzene
Concen: 8.344 ng
RT: 7.458 min Scan# 829
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:146 Resp: 96738
Ion Ratio Lower Upper
146 100
148 63.8 50.5 75.7
75 28.0 22.0 33.0





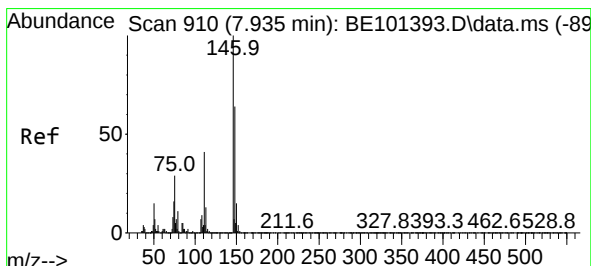
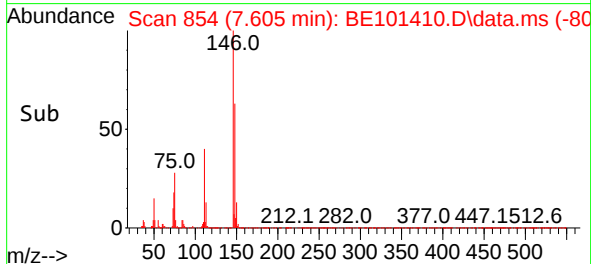
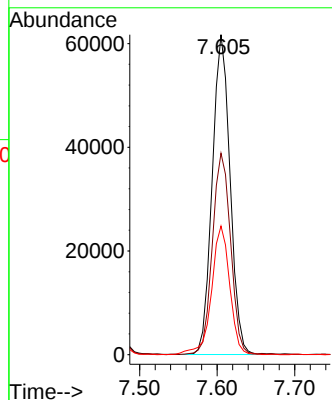
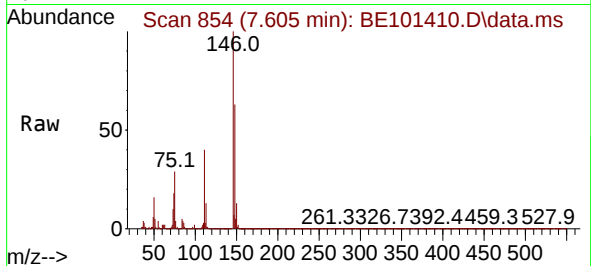
#13
1,4-Dichlorobenzene
Concen: 8.333 ng
RT: 7.605 min Scan# 81
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:146 Resp: 98650
Ion Ratio Lower Upper
146 100
148 62.9 50.2 75.2
111 40.2 31.6 47.4

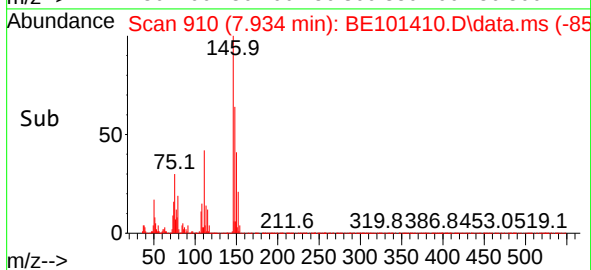
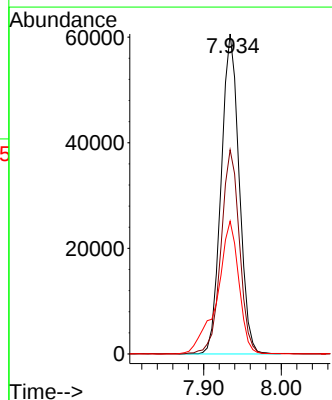
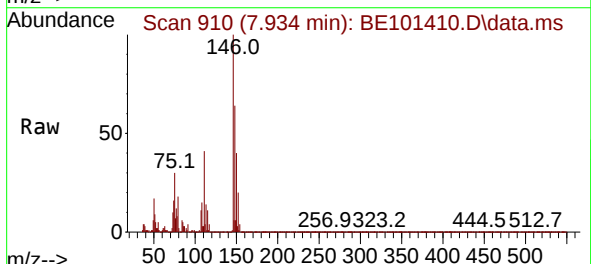
Manual Integrations
APPROVED

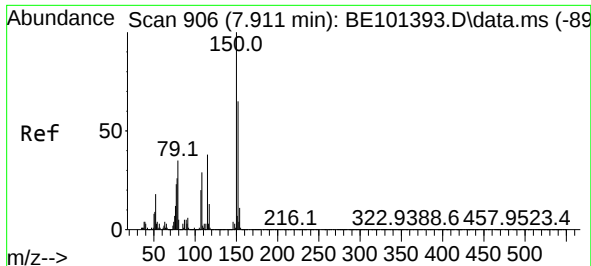
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#14
1,2-Dichlorobenzene
Concen: 8.439 ng
RT: 7.934 min Scan# 910
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

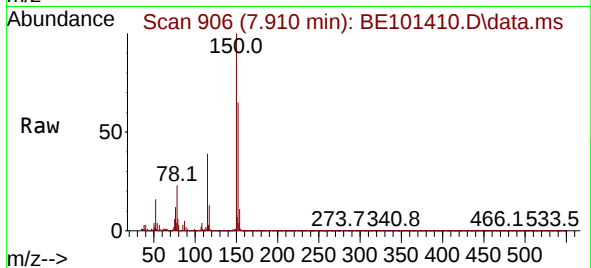
Tgt Ion:146 Resp: 97807
Ion Ratio Lower Upper
146 100
148 63.8 51.4 77.2
111 41.5 32.8 49.2





#15
Benzyl Alcohol
Concen: 9.906 ng
RT: 7.910 min Scan# 906
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

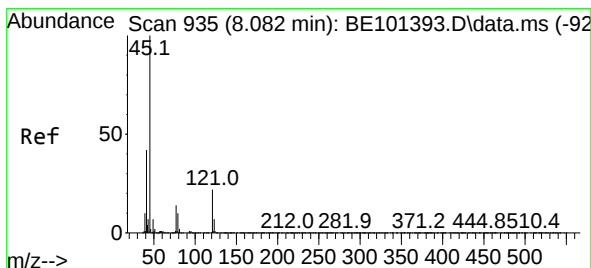
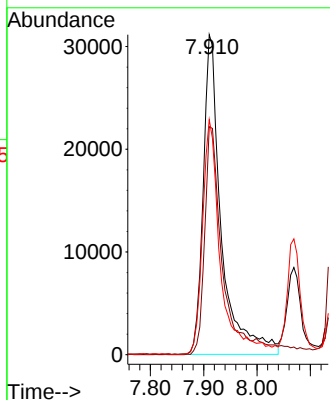
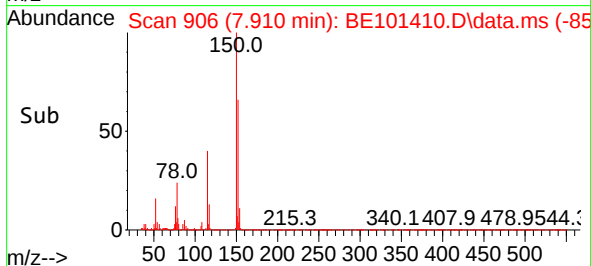
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 79 Resp: 7340
Ion Ratio Lower Upper
79 100
108 71.3 66.1 99.1
77 73.4 53.1 79.7

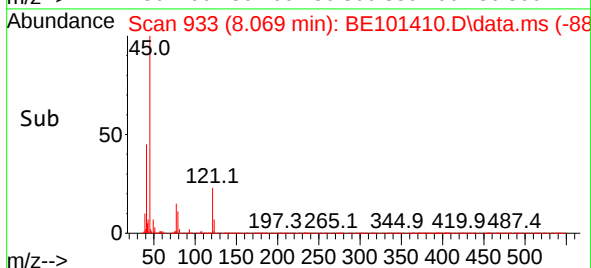
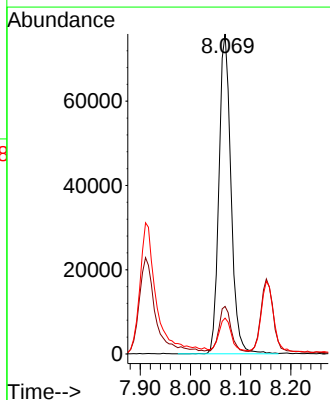
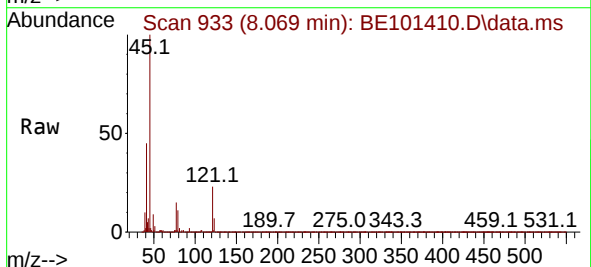
Manual Integrations
APPROVED

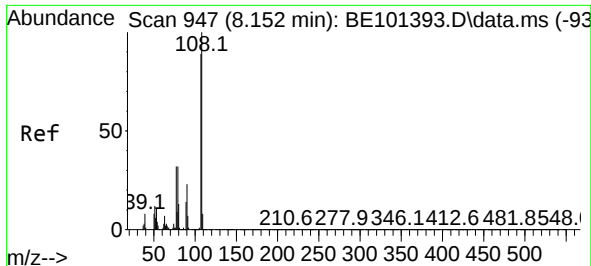
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.073 ng
RT: 8.069 min Scan# 933
Delta R.T. -0.013 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 45 Resp: 126329
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.5
79 11.2 0.0 31.8





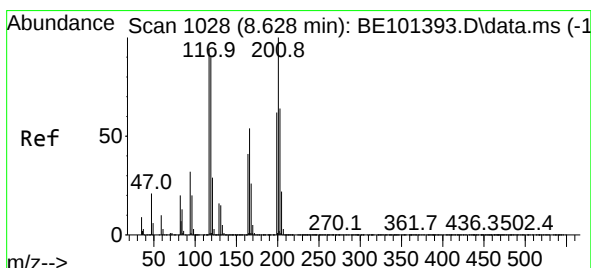
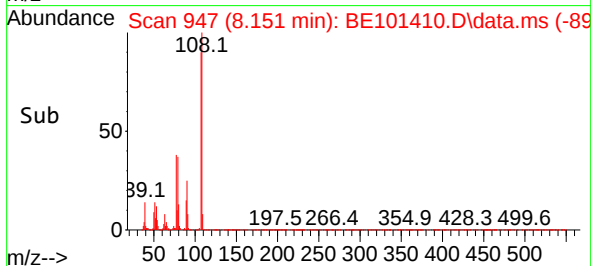
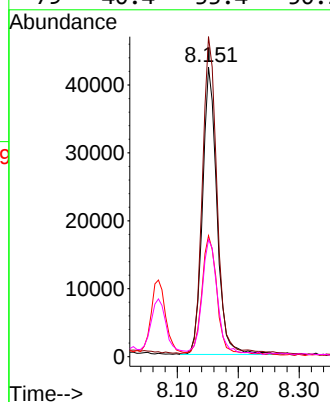
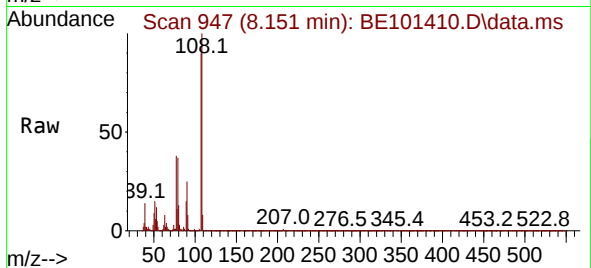
#17
2-Methylphenol
Concen: 7.641 ng
RT: 8.151 min Scan# 947
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	107	Resp:	69752
Ion Ratio	Lower	Upper	
107	100		
108	110.5	90.0	135.0
77	41.8	34.2	51.4
79	40.4	33.4	50.2

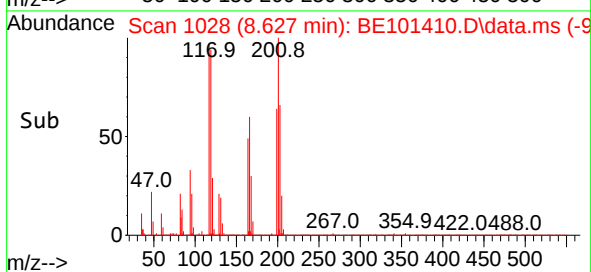
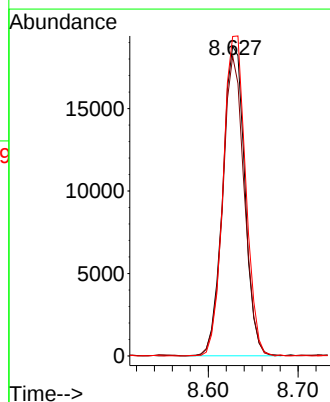
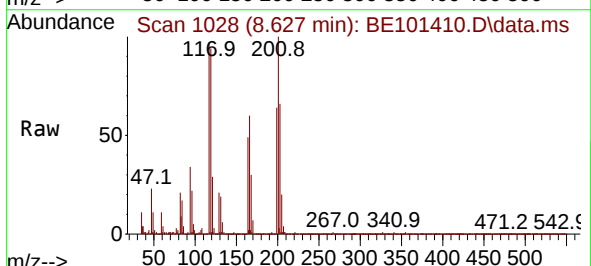
Manual Integrations
APPROVED

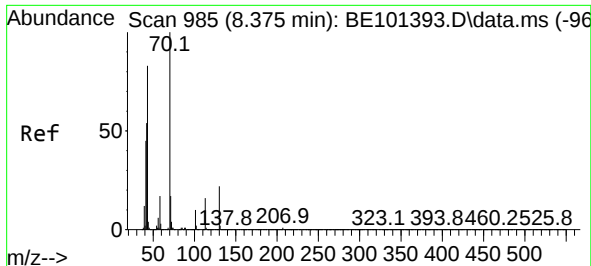
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#18
Hexachloroethane
Concen: 8.254 ng
RT: 8.627 min Scan# 1028
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	117	Resp:	31913
Ion Ratio	Lower	Upper	
117	100		
119	96.8	77.0	115.4
201	103.2	85.3	127.9





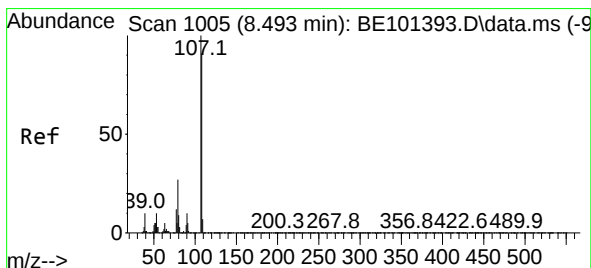
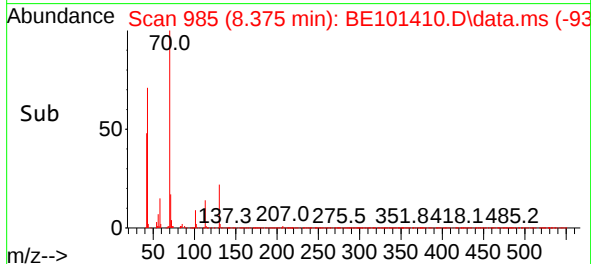
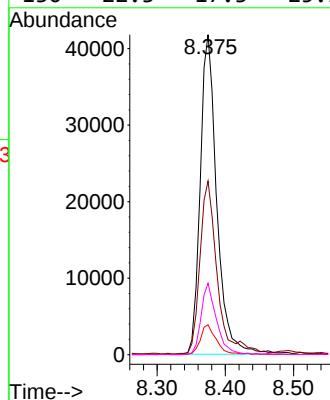
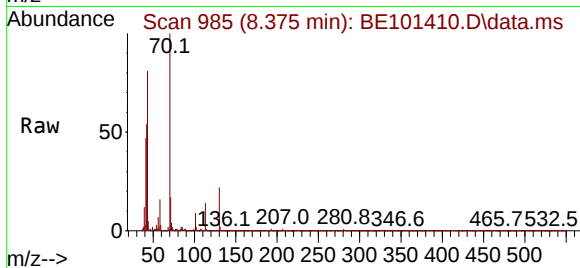
#19
n-Nitroso-di-n-propylamine
Concen: 8.540 ng
RT: 8.375 min Scan# 985
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	70	Resp:	7044
Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.4	65.0
101	9.4	8.1	12.1
130	22.3	17.3	25.9

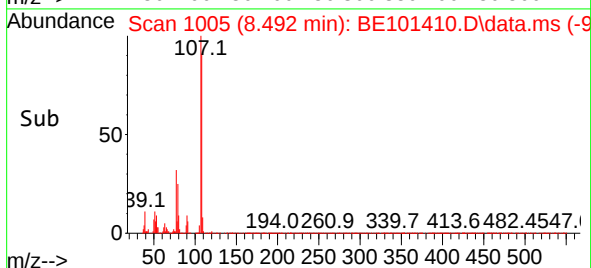
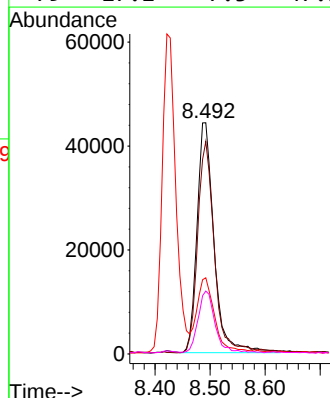
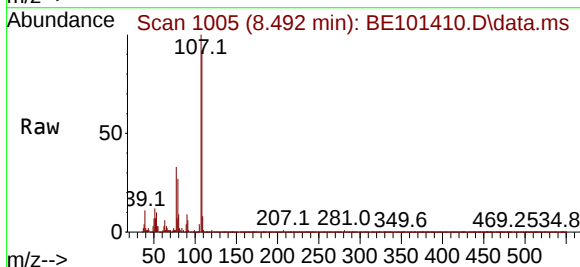
Manual Integrations
APPROVED

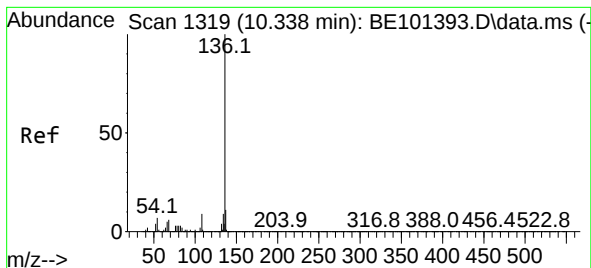
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#20
3+4-Methylphenols
Concen: 7.570 ng
RT: 8.492 min Scan# 1005
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

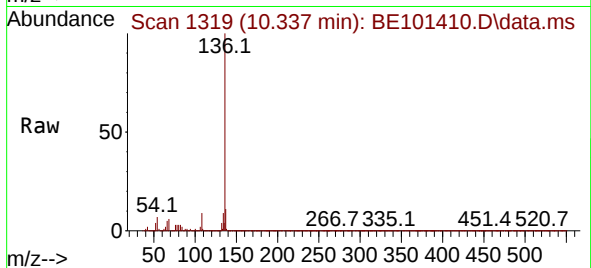
Tgt Ion:	107	Resp:	95389
Ion	Ratio	Lower	Upper
107	100		
108	91.9	70.6	110.6
77	32.9	11.3	51.3
79	27.2	7.3	47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

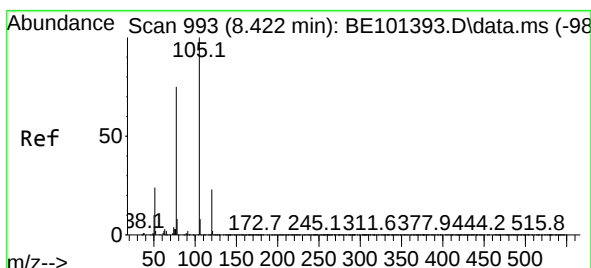
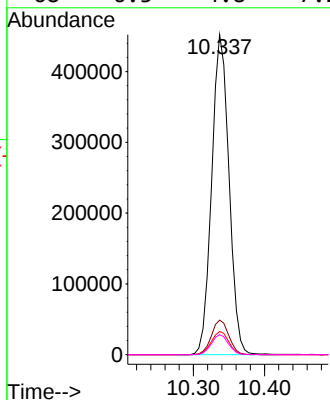
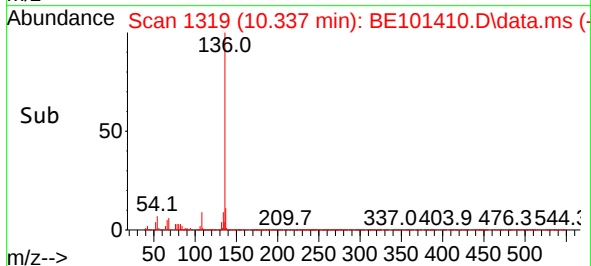
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:136 Resp: 762928
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 7.2 5.9 8.9
68 6.3 4.8 7.2

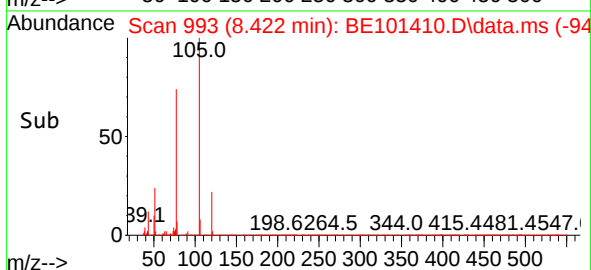
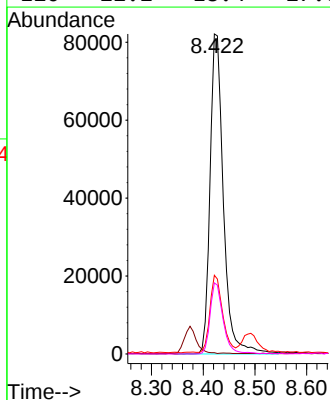
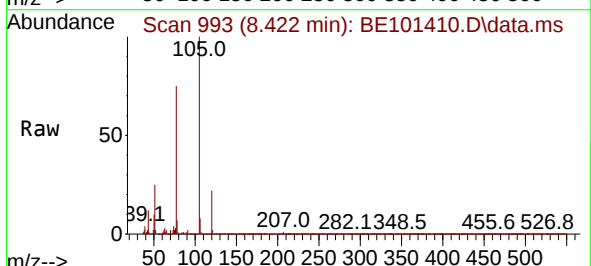
Manual Integrations
APPROVED

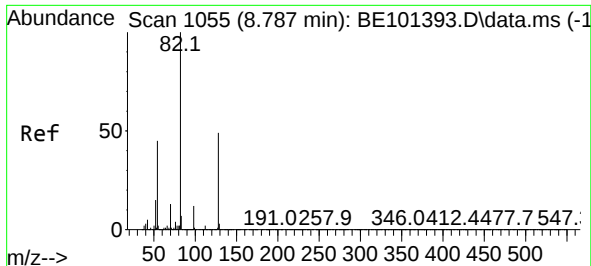
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#22
Acetophenone
Concen: 8.502 ng
RT: 8.422 min Scan# 993
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

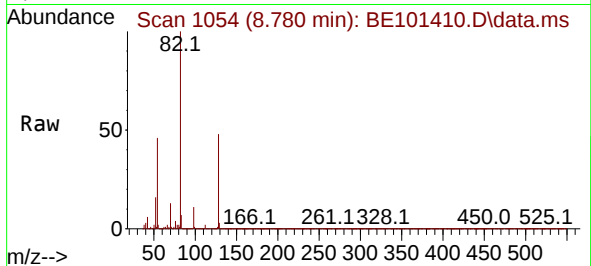
Tgt Ion:105 Resp: 147272
Ion Ratio Lower Upper
105 100
71 0.4 0.1 0.1#
51 24.6 19.4 29.0
120 22.2 18.4 27.6





#23
Nitrobenzene-d5
Concen: 91.483 ng
RT: 8.780 min Scan# 1055
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

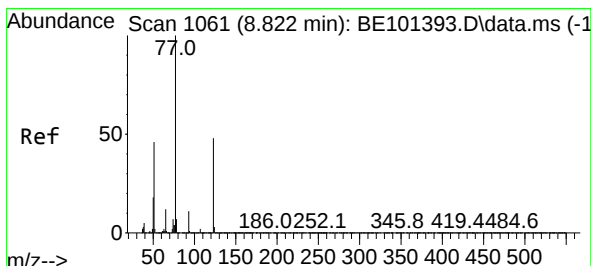
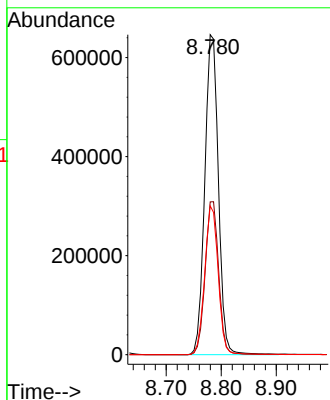
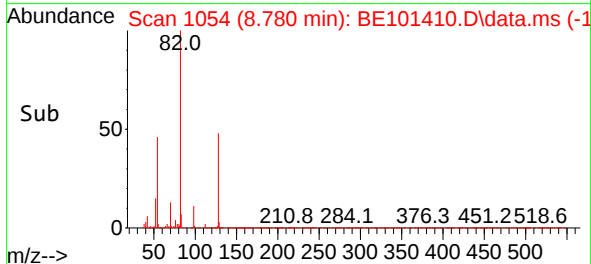
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 82 Resp: 111122
Ion Ratio Lower Upper
82 100
128 47.8 38.9 58.3
54 46.5 36.2 54.4

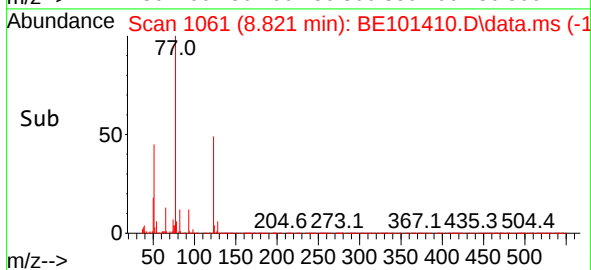
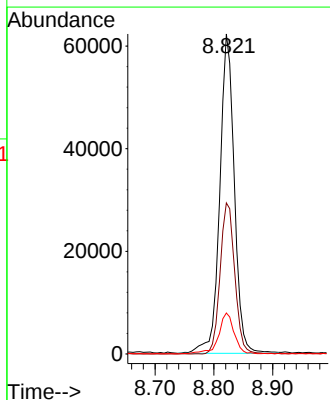
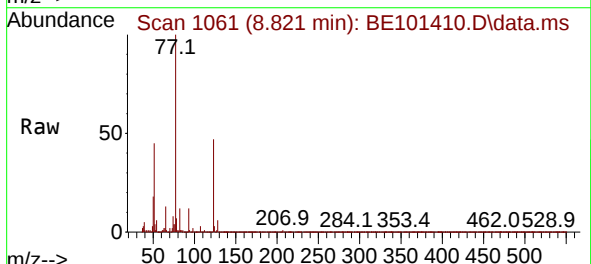
Manual Integrations
APPROVED

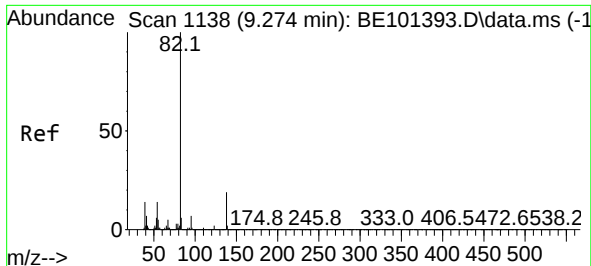
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#24
Nitrobenzene
Concen: 8.301 ng
RT: 8.821 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

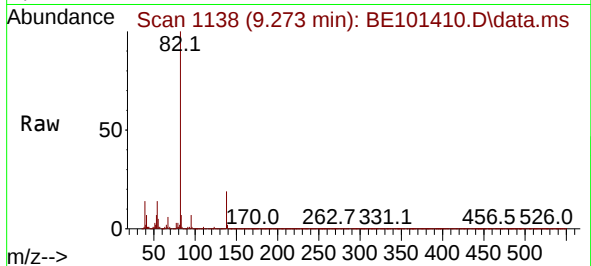
Tgt Ion: 77 Resp: 107316
Ion Ratio Lower Upper
77 100
123 47.2 38.7 58.1
65 12.8 10.0 15.0





#25
Isophorone
Concen: 8.418 ng
RT: 9.273 min Scan# 1138
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

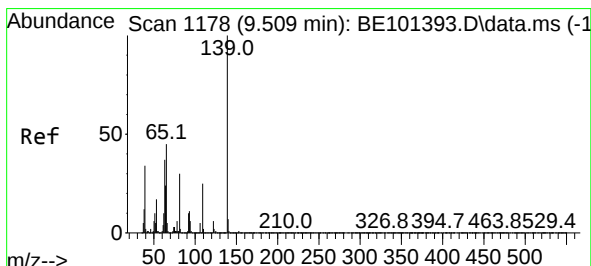
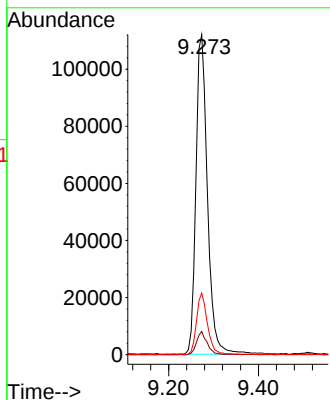
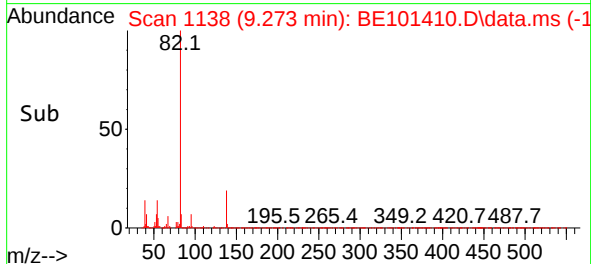
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 82 Resp: 19954
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 19.3 15.0 22.4

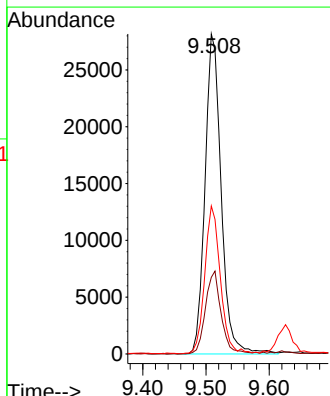
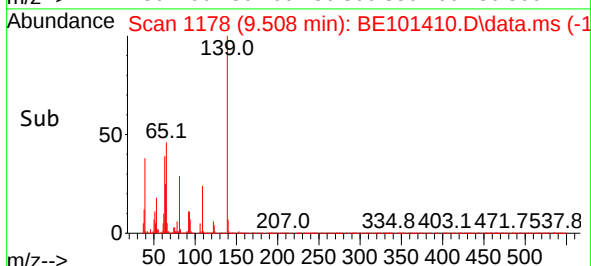
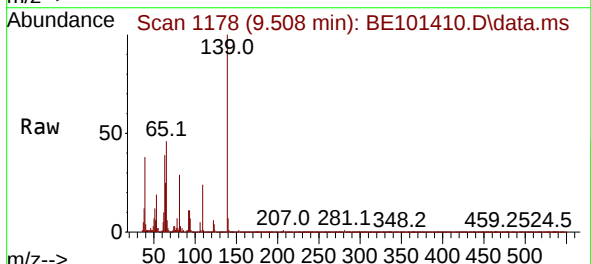
Manual Integrations
APPROVED

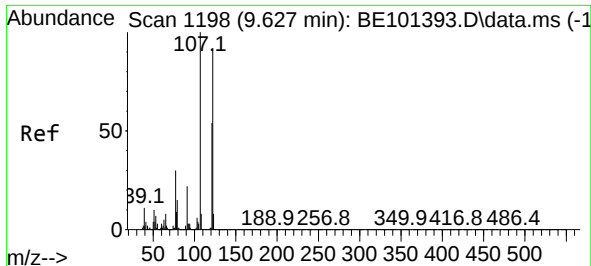
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#26
2-Nitrophenol
Concen: 8.008 ng
RT: 9.508 min Scan# 1178
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:139 Resp: 50041
Ion Ratio Lower Upper
139 100
109 23.9 20.1 30.1
65 46.2 36.0 54.0





#27

2,4-Dimethylphenol

Concen: 5.406 ng

RT: 9.626 min Scan# 1198

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

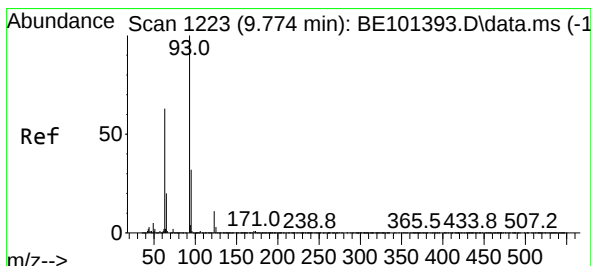
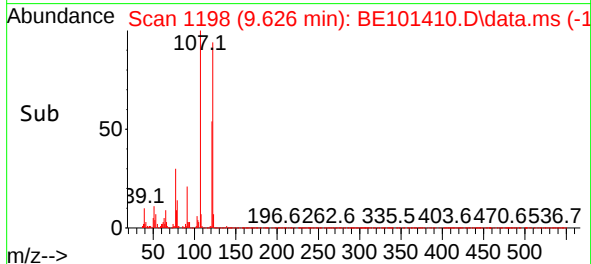
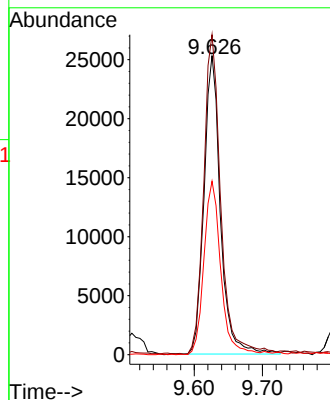
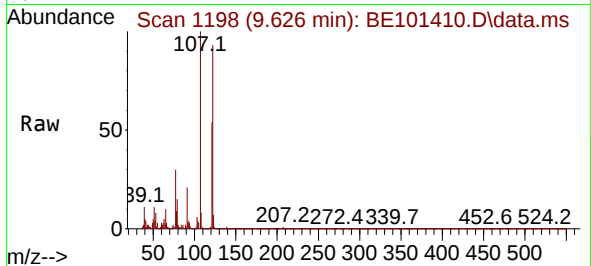
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	122	Resp:	42500
Ion	Ratio	Lower	Upper
122	100		
107	107.0	87.4	131.0
121	58.0	47.4	71.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#28

bis(2-Chloroethoxy)methane

Concen: 8.449 ng

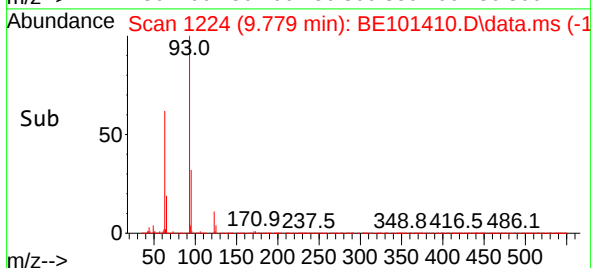
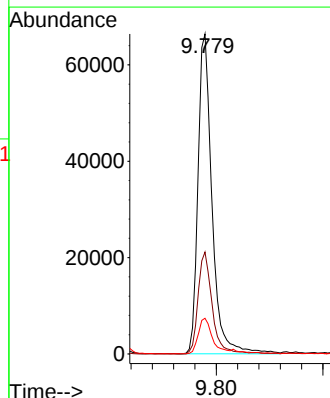
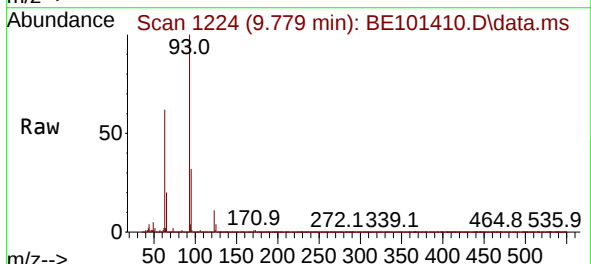
RT: 9.779 min Scan# 1224

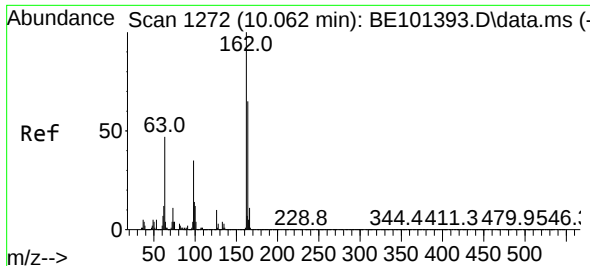
Delta R.T. 0.005 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Tgt Ion:	93	Resp:	121446
Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.8	38.6
123	11.1	8.6	13.0





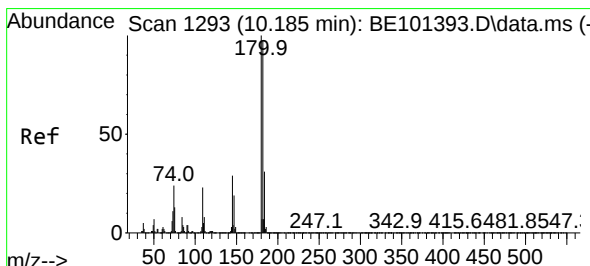
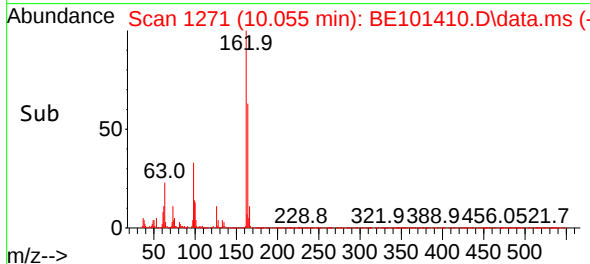
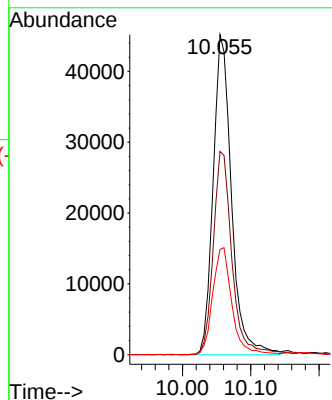
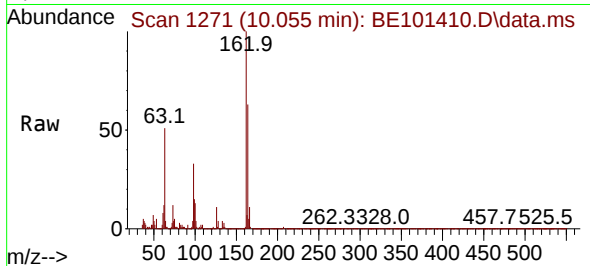
#29
2,4-Dichlorophenol
Concen: 7.762 ng
RT: 10.055 min Scan# 1272
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:162 Resp: 84430
Ion Ratio Lower Upper
162 100
164 63.5 45.4 85.4
98 32.9 14.5 54.5

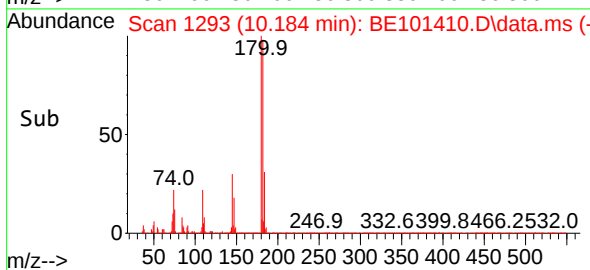
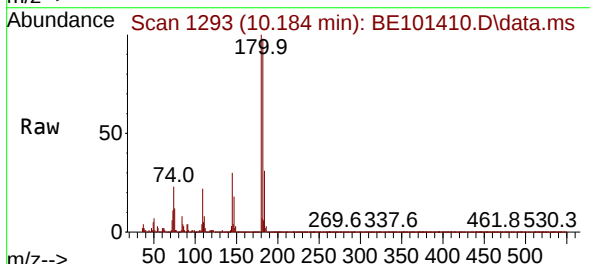
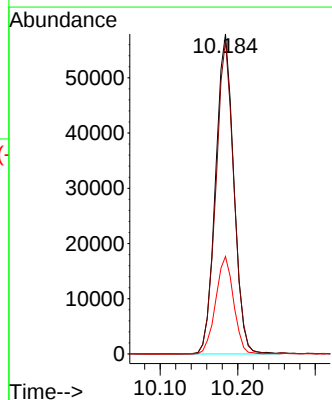
Manual Integrations
APPROVED

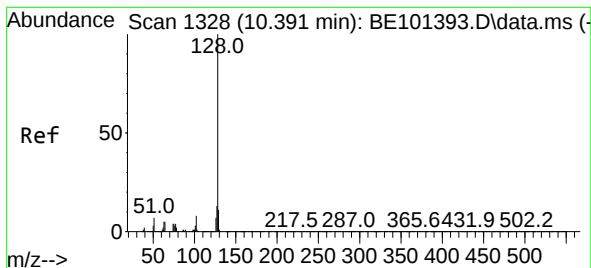
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#30
1,2,4-Trichlorobenzene
Concen: 7.959 ng
RT: 10.184 min Scan# 1293
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:180 Resp: 94317
Ion Ratio Lower Upper
180 100
182 98.0 77.4 116.0
145 30.5 23.3 34.9





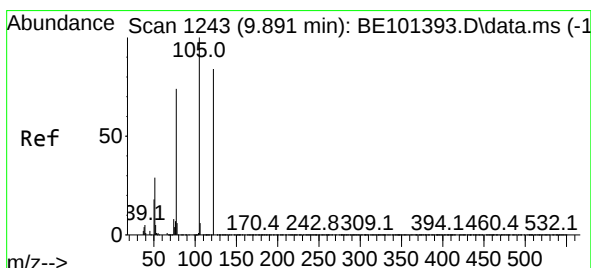
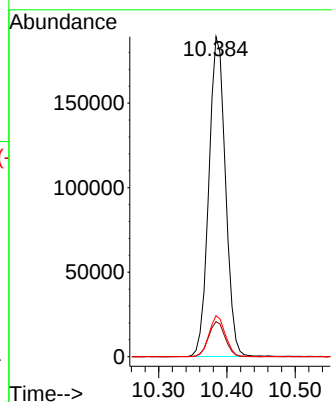
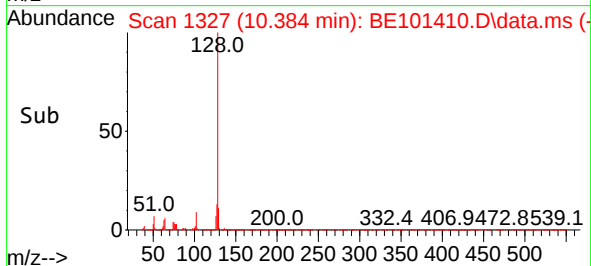
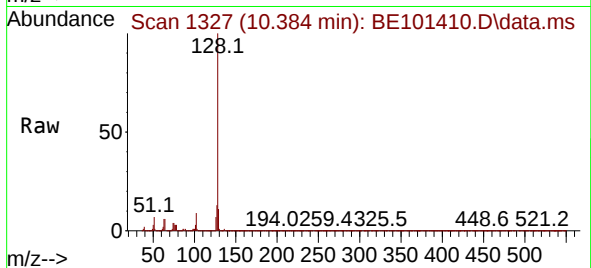
#31
Naphthalene
Concen: 8.267 ng
RT: 10.384 min Scan# 11
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:128 Resp: 321398
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.8 10.3 15.5

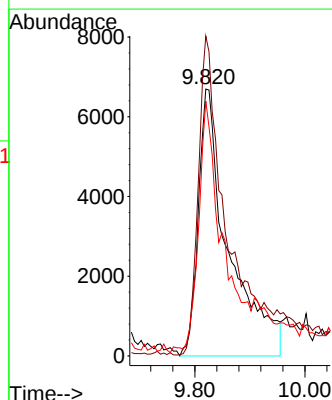
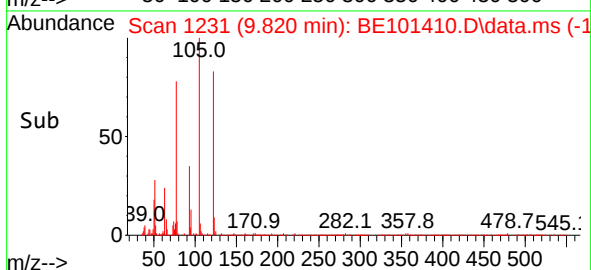
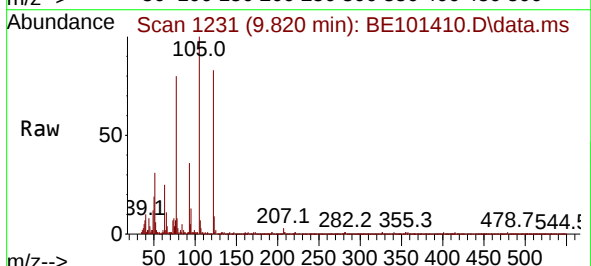
Manual Integrations
APPROVED

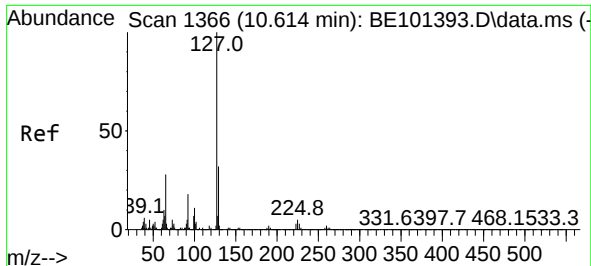
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#32
Benzoic acid
Concen: 10.825 ng
RT: 9.820 min Scan# 1231
Delta R.T. -0.071 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

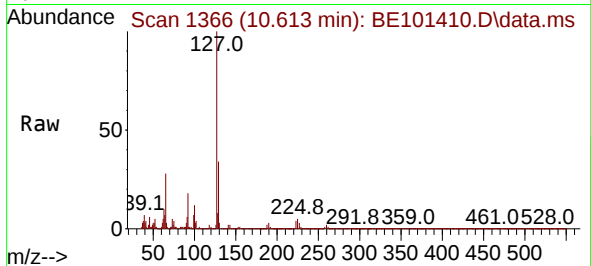
Tgt Ion:122 Resp: 25463
Ion Ratio Lower Upper
122 100
105 119.9 97.9 137.9
77 95.5 68.1 108.1





#33
4-Chloroaniline
Concen: 8.992 ng
RT: 10.613 min Scan# 1366
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

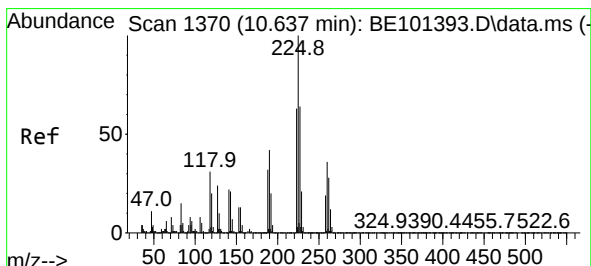
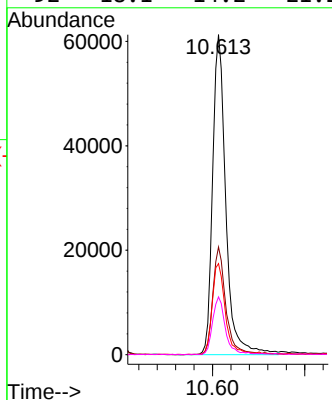
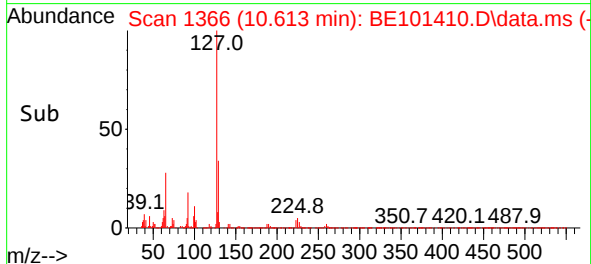
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.6	25.7	38.5
65	28.4	22.2	33.4
92	18.1	14.2	21.2

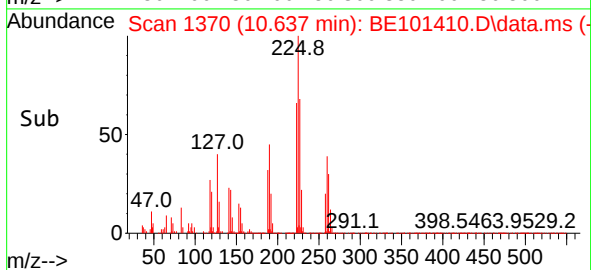
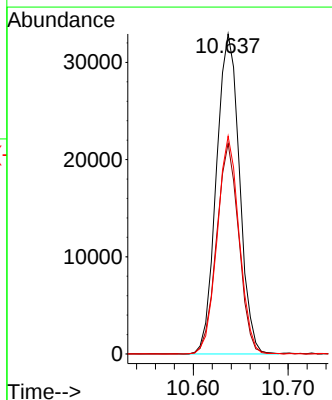
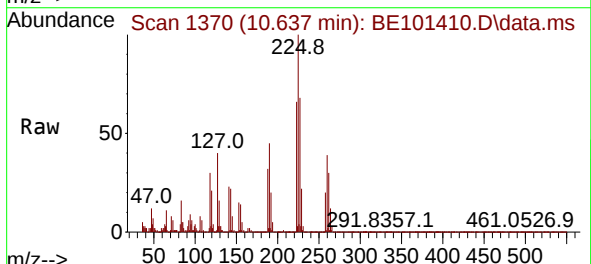
Manual Integrations
APPROVED

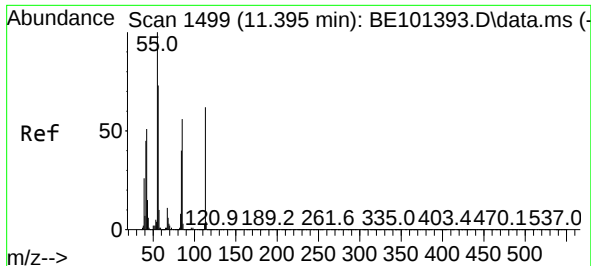
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#34
Hexachlorobutadiene
Concen: 7.942 ng
RT: 10.637 min Scan# 1370
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

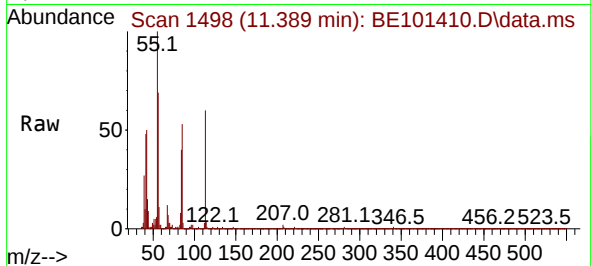
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	50.5	75.7
227	68.1	51.0	76.6





#35
Caprolactam
Concen: 7.268 ng m
RT: 11.389 min Scan# 1499
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

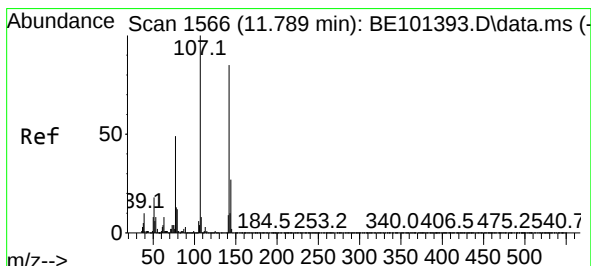
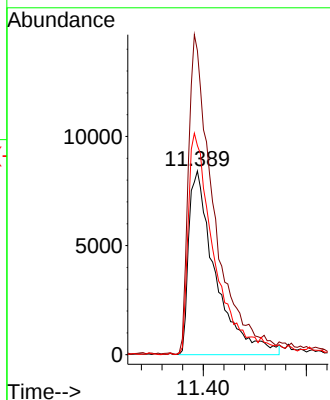
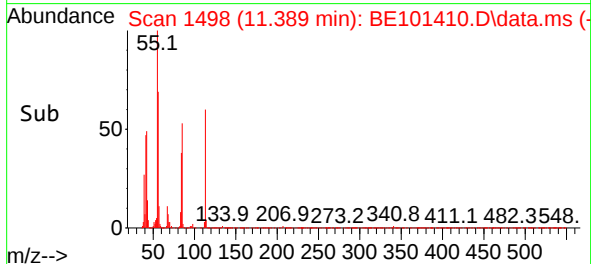
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:113 Resp: 30300
Ion Ratio Lower Upper
113 100
55 165.4 141.2 181.2
56 113.8 96.9 136.9

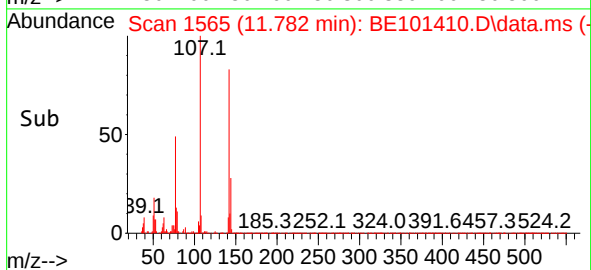
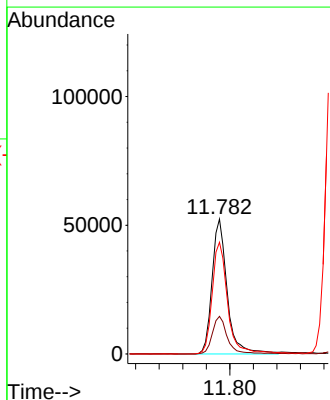
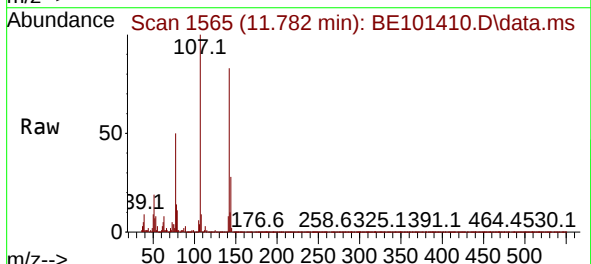
Manual Integrations
APPROVED

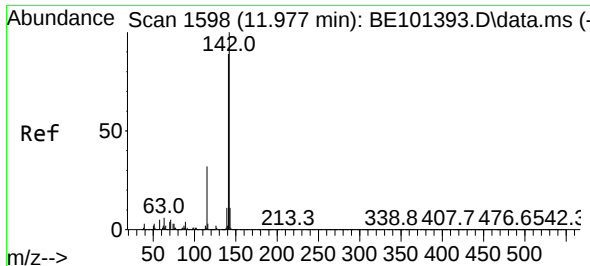
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#36
4-Chloro-3-methylphenol
Concen: 7.536 ng
RT: 11.782 min Scan# 1565
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

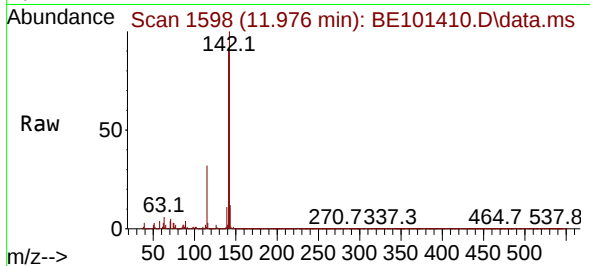
Tgt Ion:107 Resp: 93334
Ion Ratio Lower Upper
107 100
144 27.9 21.9 32.9
142 82.7 68.0 102.0





#37
2-Methylnaphthalene
Concen: 8.148 ng
RT: 11.976 min Scan# 1598
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

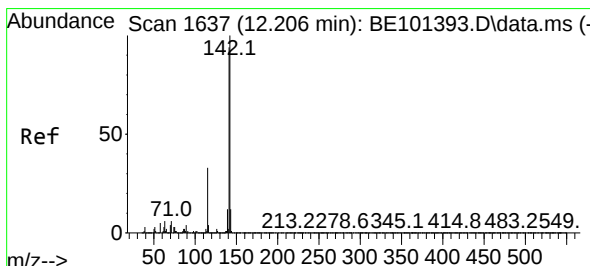
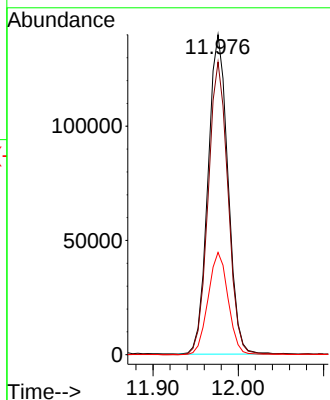
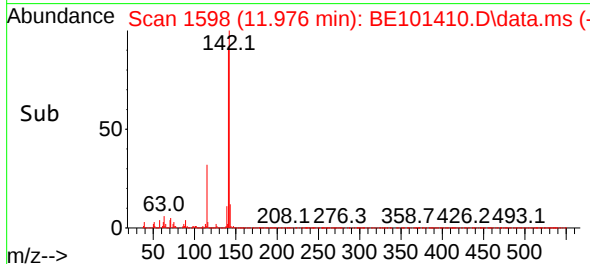
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



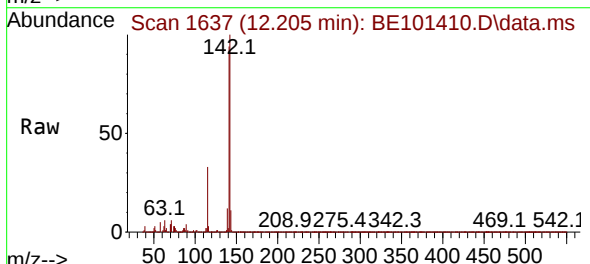
Tgt Ion:142 Resp: 228228
Ion Ratio Lower Upper
142 100
141 91.4 71.4 107.2
115 32.0 25.6 38.4

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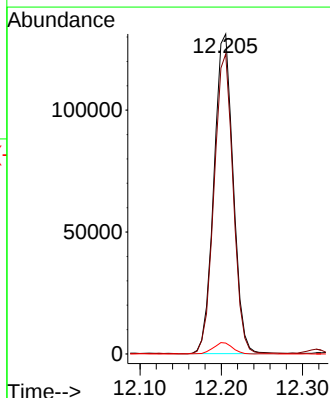
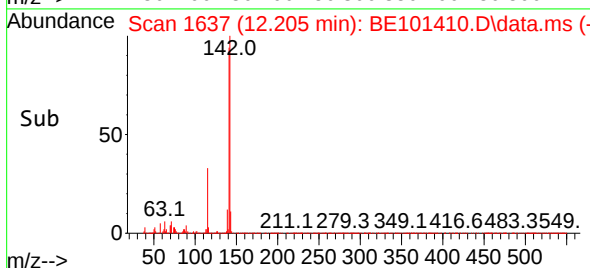
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

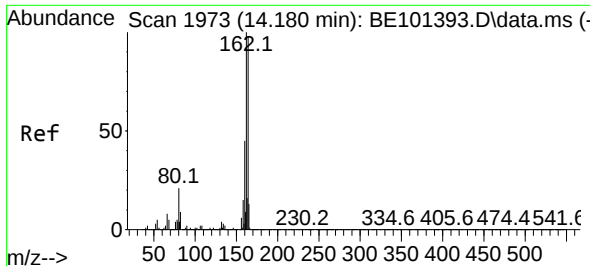


#38
1-Methylnaphthalene
Concen: 7.711 ng
RT: 12.205 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53



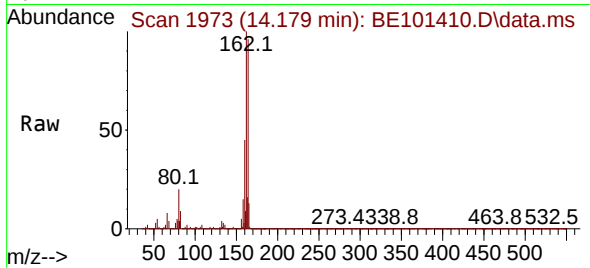
Tgt Ion:142 Resp: 215561
Ion Ratio Lower Upper
142 100
141 93.7 75.0 112.4
116 3.4 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.179 min Scan# 1973
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

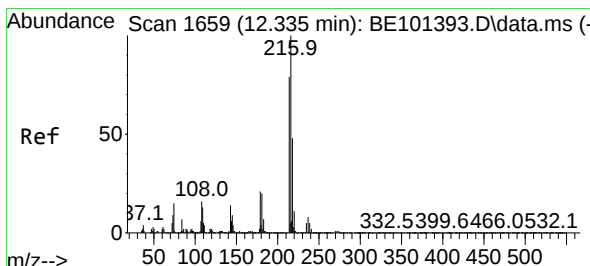
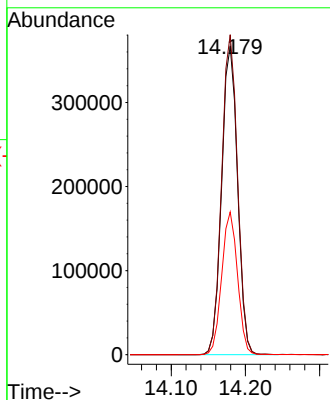
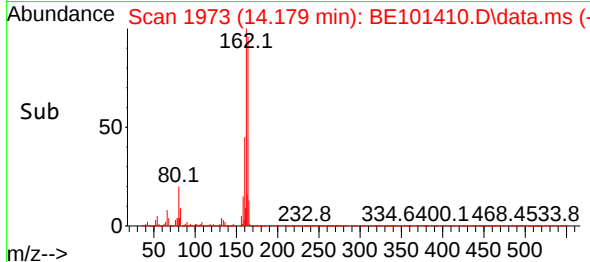
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



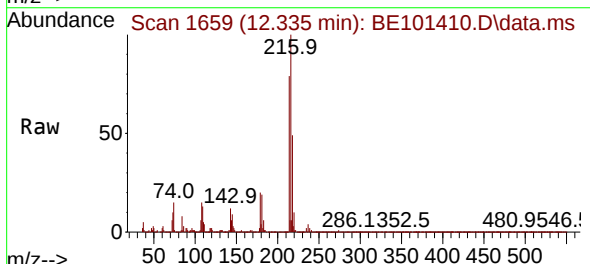
Tgt Ion:164 Resp: 546294
Ion Ratio Lower Upper
164 100
162 103.7 81.3 121.9
160 46.3 36.4 54.6

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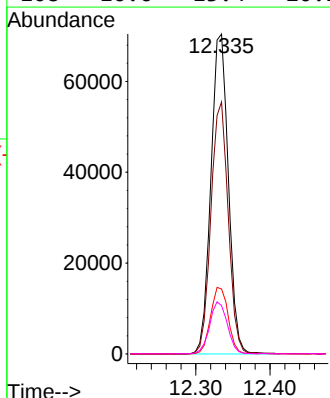
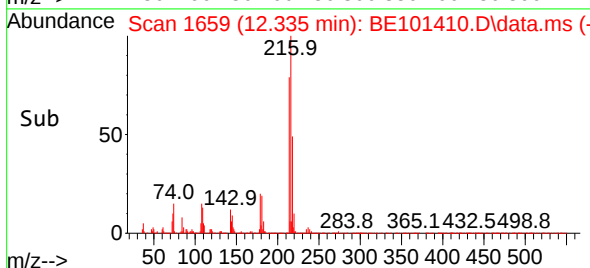
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

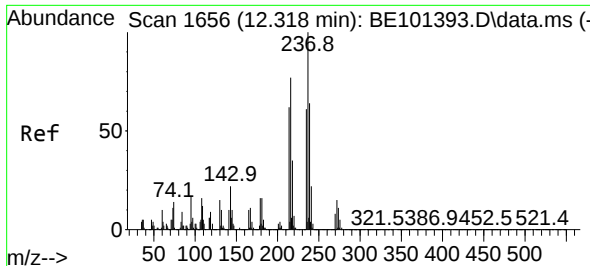


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.383 ng
RT: 12.335 min Scan# 1659
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53



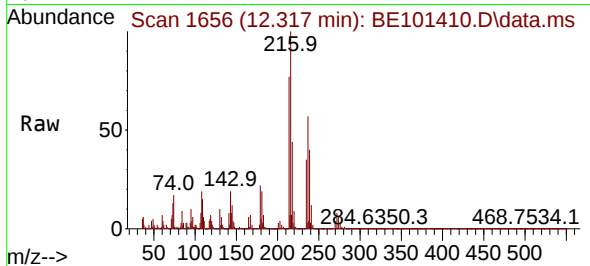
Tgt Ion:216 Resp: 114962
Ion Ratio Lower Upper
216 100
214 78.1 63.0 94.4
179 21.1 16.7 25.1
108 16.6 13.4 20.2





#41
Hexachlorocyclopentadiene
Concen: 4.934 ng
RT: 12.317 min Scan# 1656
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

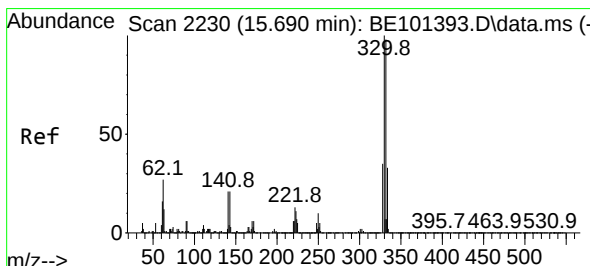
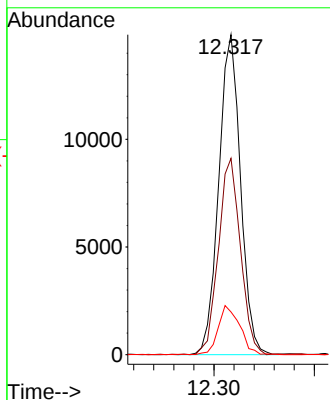
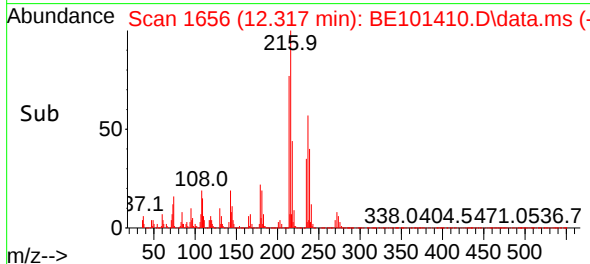
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



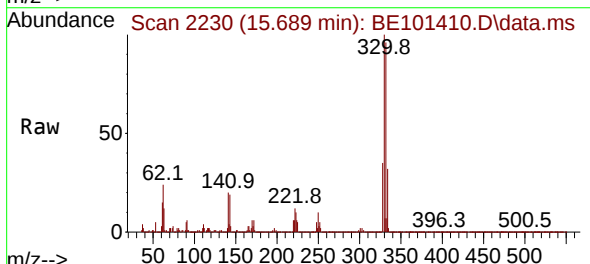
Tgt Ion: 237 Resp: 22348
Ion Ratio Lower Upper
237 100
235 61.4 41.3 81.3
272 13.3 0.0 34.6

Manual Integrations
APPROVED

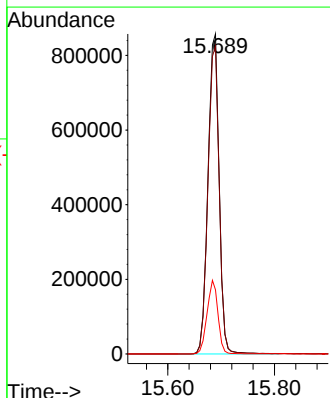
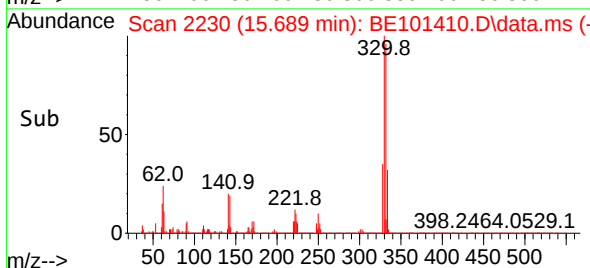
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

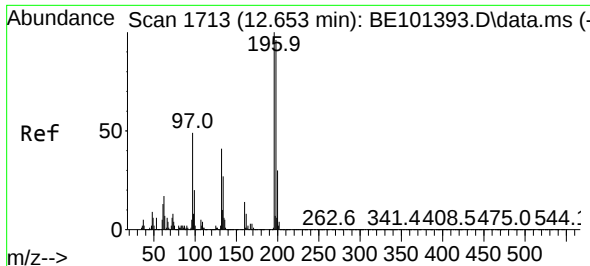


#42
2,4,6-Tribromophenol
Concen: 130.078 ng
RT: 15.689 min Scan# 2230
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53



Tgt Ion: 330 Resp: 1245468
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.2
141 22.4 18.3 27.5





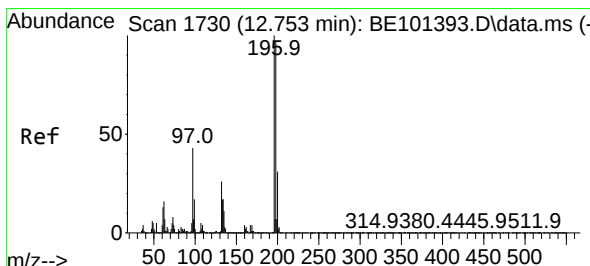
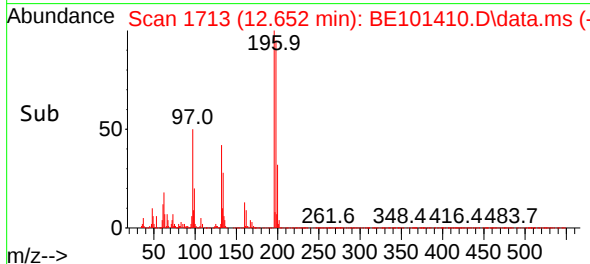
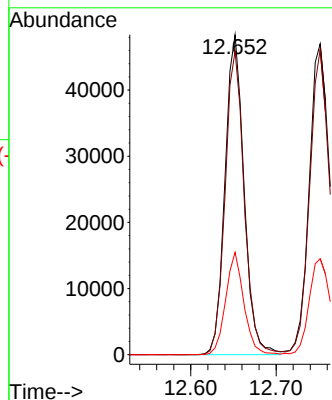
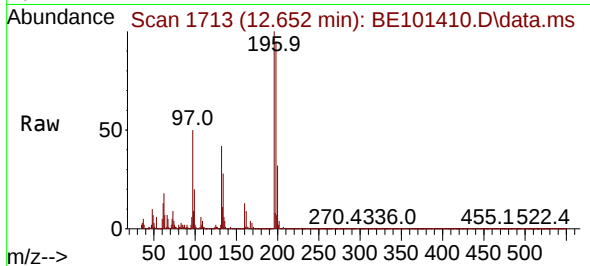
#43
2,4,6-Trichlorophenol
Concen: 7.910 ng
RT: 12.652 min Scan# 1713
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:196 Resp: 74778
Ion Ratio Lower Upper
196 100
198 94.8 76.6 115.0
200 32.0 24.1 36.1

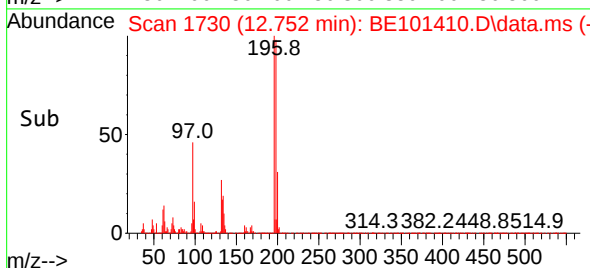
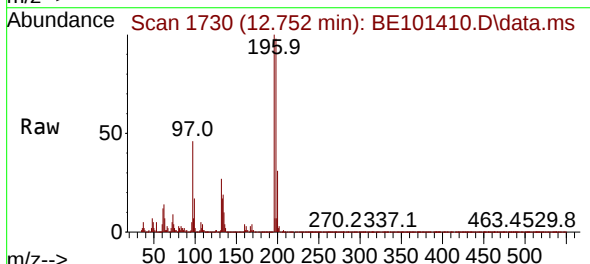
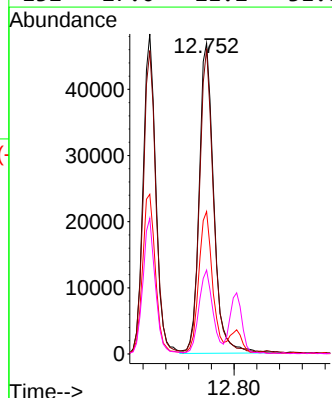
Manual Integrations
APPROVED

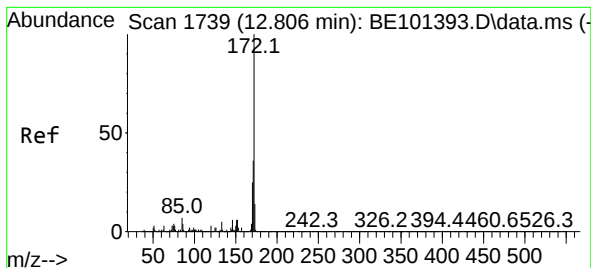
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#44
2,4,5-Trichlorophenol
Concen: 7.739 ng
RT: 12.752 min Scan# 1730
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:196 Resp: 83786
Ion Ratio Lower Upper
196 100
198 98.2 77.4 116.0
97 45.8 34.8 52.2
132 27.0 21.2 31.8





#45

2-Fluorobiphenyl

Concen: 88.533 ng

RT: 12.805 min Scan# 1739

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:172 Resp: 2855849

Ion Ratio Lower Upper

172 100

171 37.7 29.2 43.8

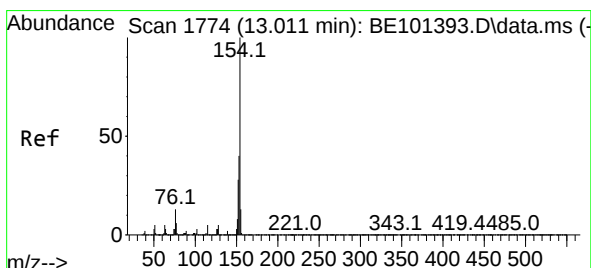
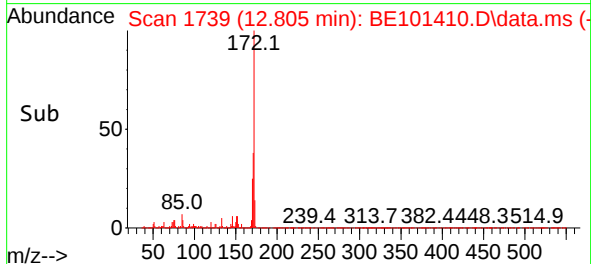
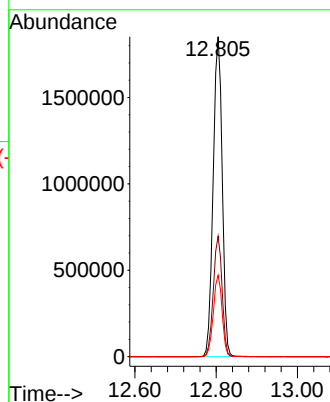
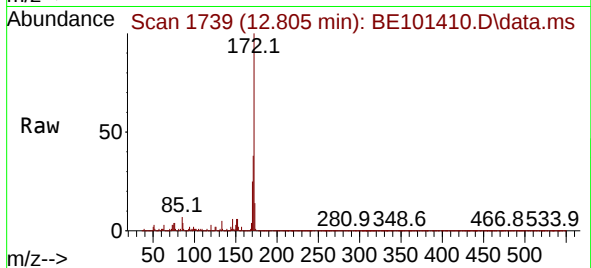
170 25.5 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024

Supervised By :mohammad ahmed 11/04/2024



#46

1,1'-Biphenyl

Concen: 8.637 ng

RT: 13.004 min Scan# 1773

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

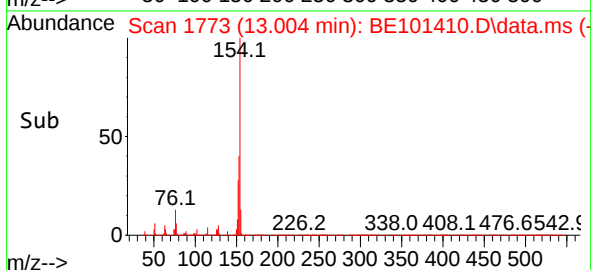
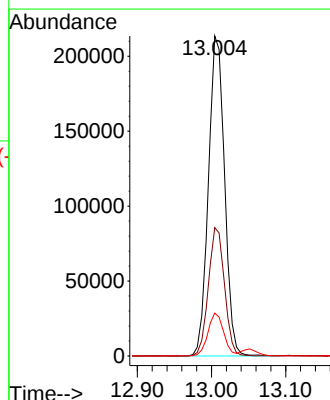
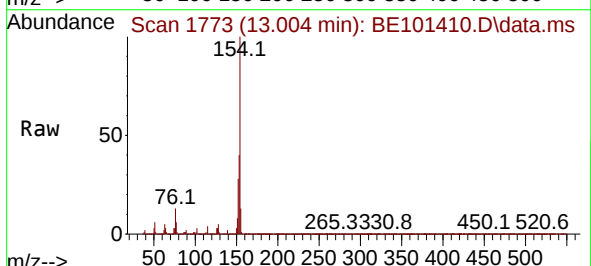
Tgt Ion:154 Resp: 323260

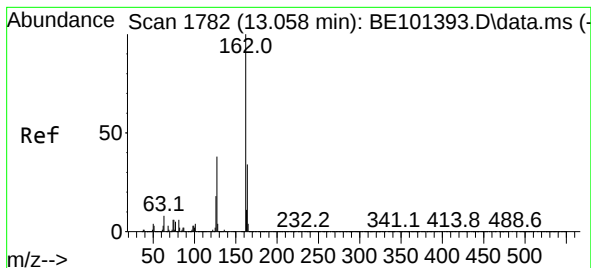
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 13.4 0.0 32.6





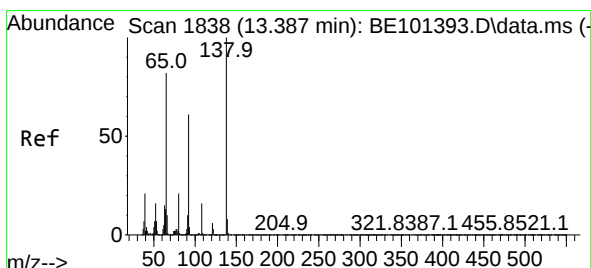
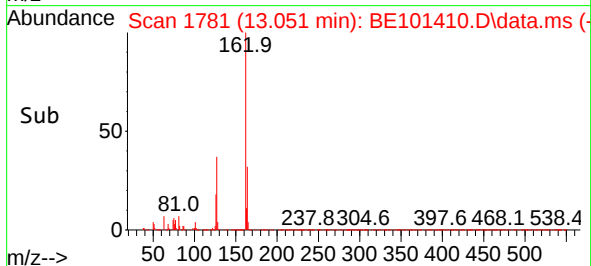
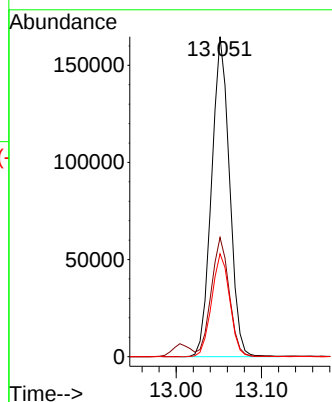
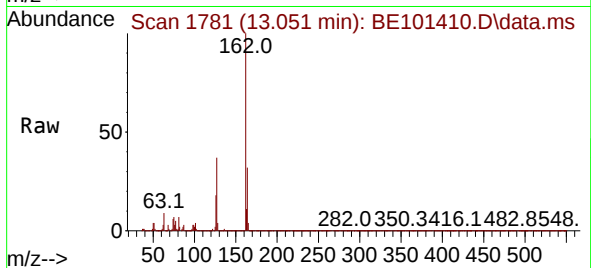
#47
2-Chloronaphthalene
Concen: 8.156 ng
RT: 13.051 min Scan# 1781
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:162 Resp: 241159
Ion Ratio Lower Upper
162 100
127 37.2 30.4 45.6
164 32.1 27.0 40.6

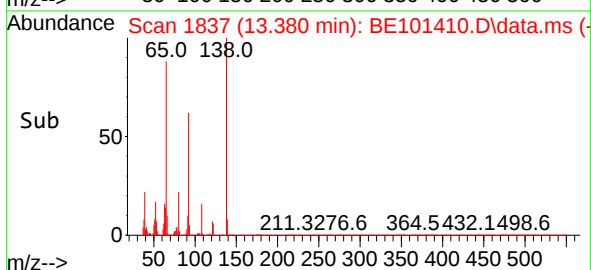
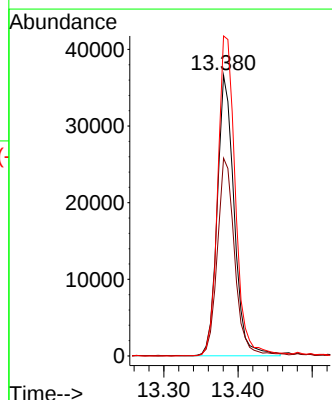
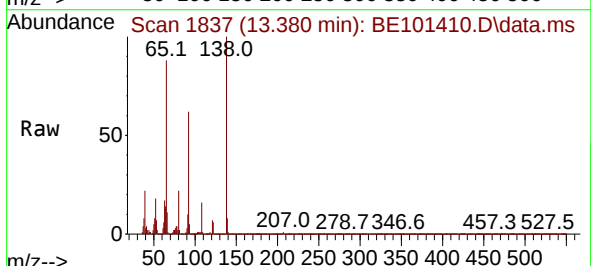
Manual Integrations
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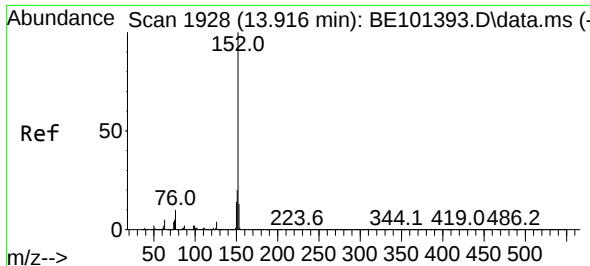
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#48
2-Nitroaniline
Concen: 7.276 ng
RT: 13.380 min Scan# 1837
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 65 Resp: 57899
Ion Ratio Lower Upper
65 100
92 70.5 59.0 88.4
138 114.0 97.4 146.0





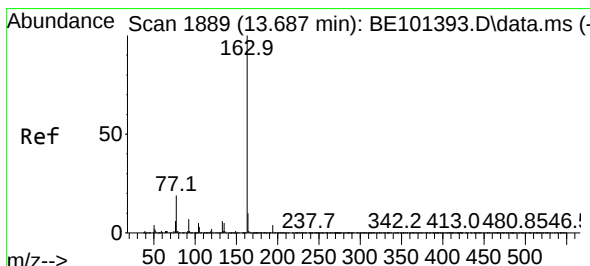
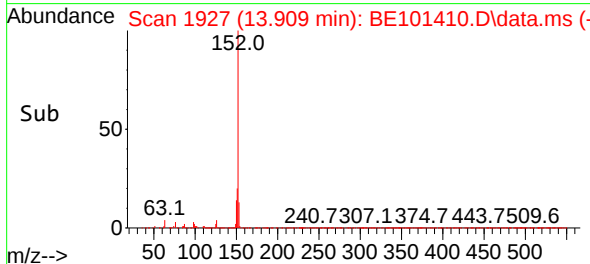
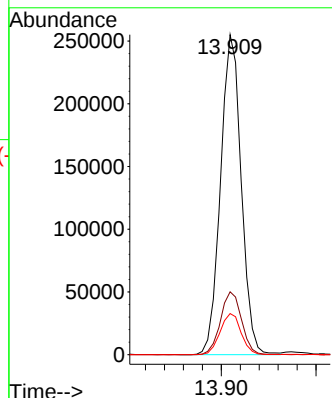
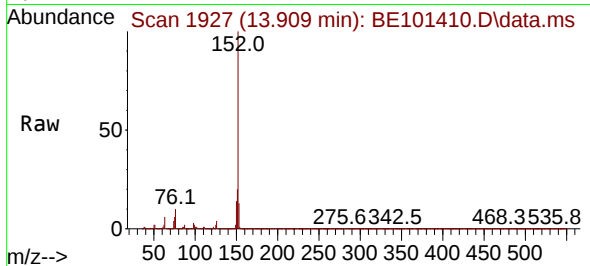
#49
Acenaphthylene
Concen: 8.843 ng
RT: 13.909 min Scan# 1927
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:152 Resp: 386698
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 12.9 10.5 15.7

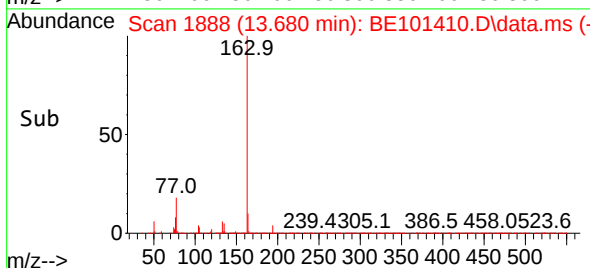
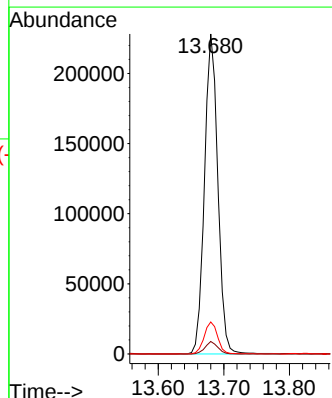
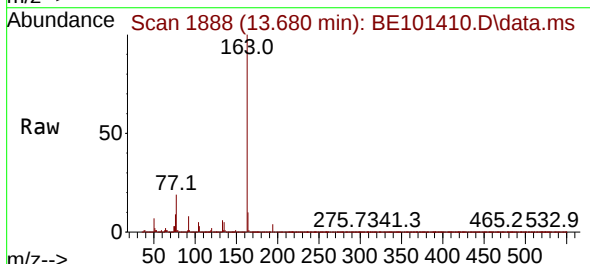
Manual Integrations
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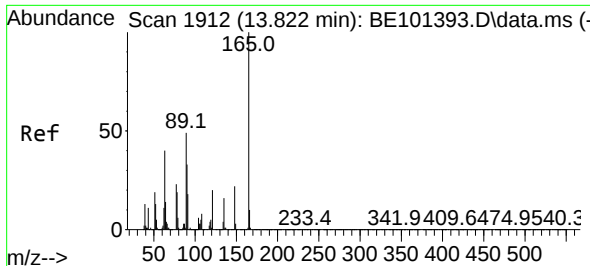
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#50
Dimethylphthalate
Concen: 8.376 ng
RT: 13.680 min Scan# 1888
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:163 Resp: 322993
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.0 8.4 12.6





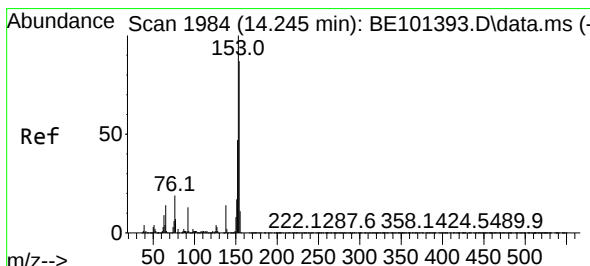
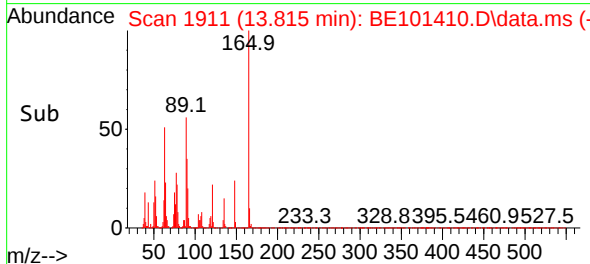
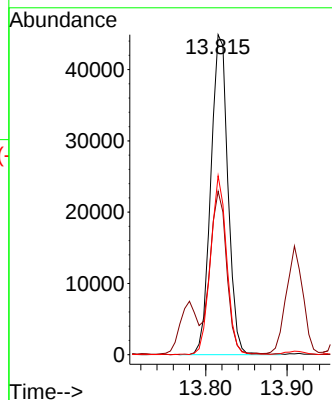
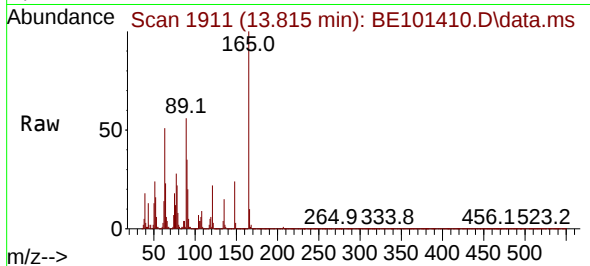
#51
2,6-Dinitrotoluene
Concen: 7.370 ng
RT: 13.815 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:165 Resp: 65610
Ion Ratio Lower Upper
165 100
63 51.1 38.0 57.0
89 55.9 39.5 59.3

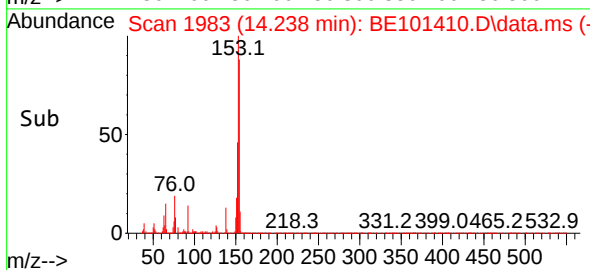
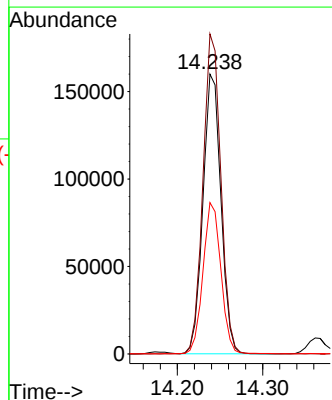
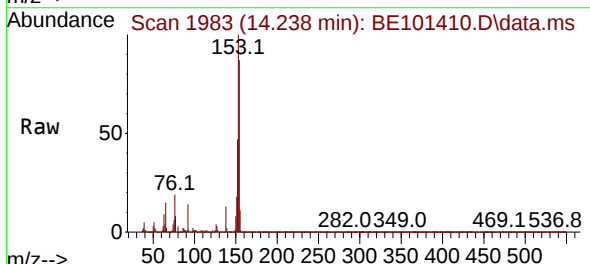
Manual Integrations
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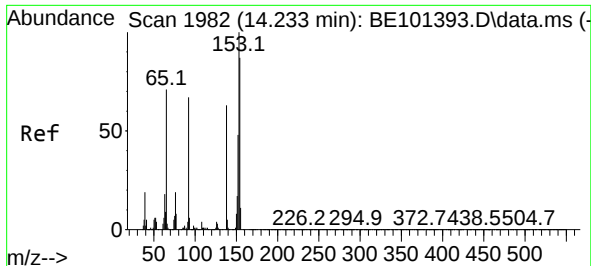
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#52
Acenaphthene
Concen: 8.196 ng
RT: 14.238 min Scan# 1983
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:154 Resp: 234028
Ion Ratio Lower Upper
154 100
153 114.4 91.8 137.6
152 54.1 43.1 64.7





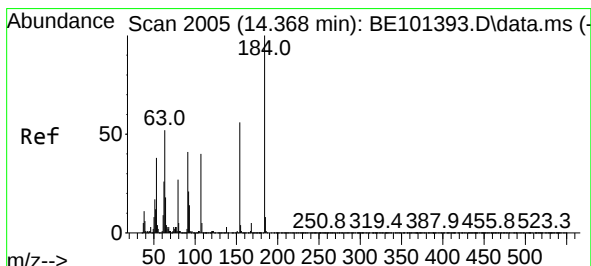
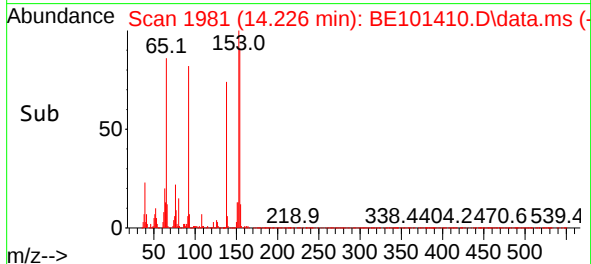
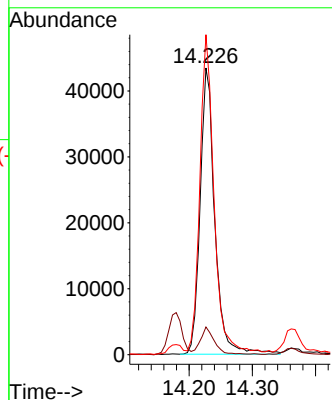
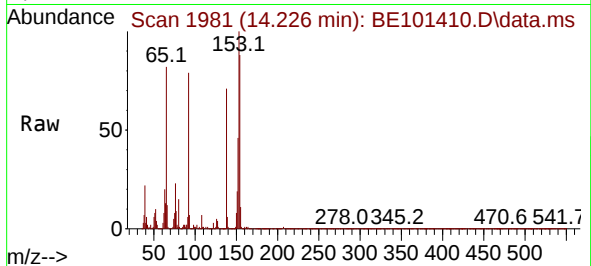
#53
3-Nitroaniline
Concen: 7.874 ng
RT: 14.226 min Scan# 1982
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:138 Resp: 69700
Ion Ratio Lower Upper
138 100
108 9.7 7.1 10.7
92 111.6 84.4 126.6

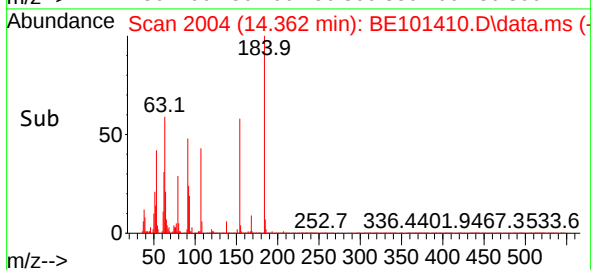
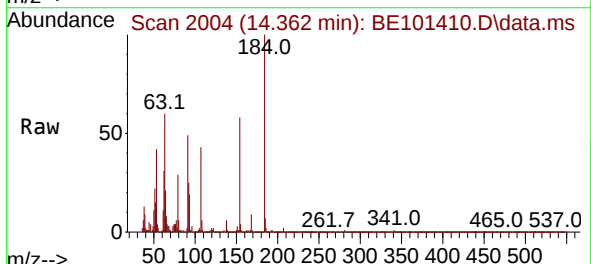
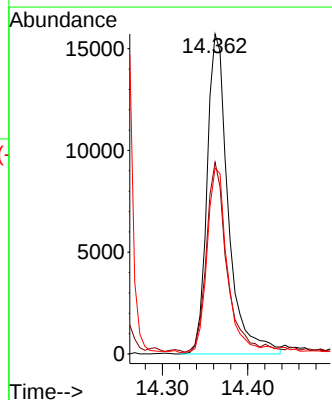
Manual Integrations
APPROVED

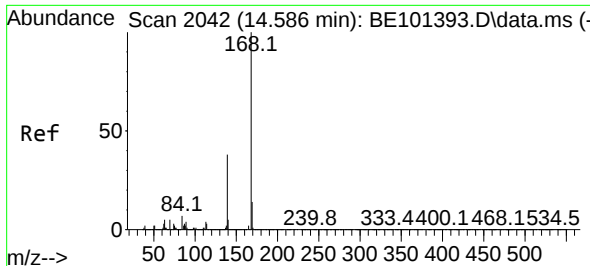
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#54
2,4-Dinitrophenol
Concen: 9.597 ng
RT: 14.362 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

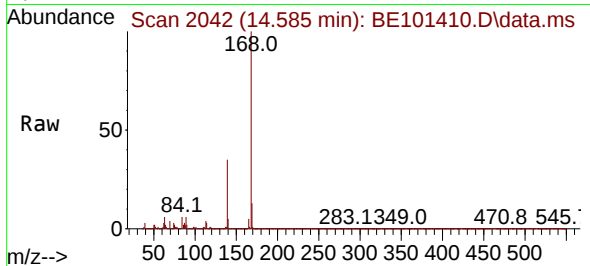
Tgt Ion:184 Resp: 27079
Ion Ratio Lower Upper
184 100
63 59.9 41.8 62.6
154 58.1 44.9 67.3





#55
Dibenzenofuran
Concen: 8.562 ng
RT: 14.585 min Scan# 2042
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

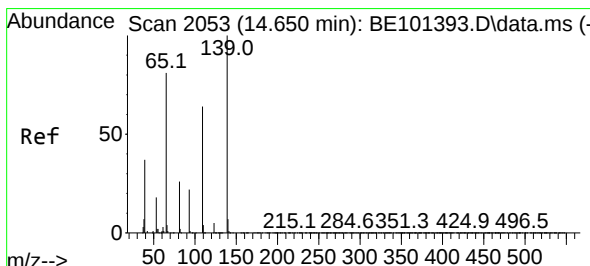
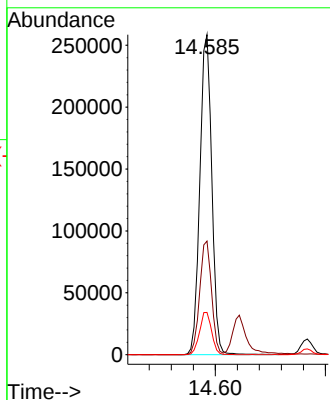
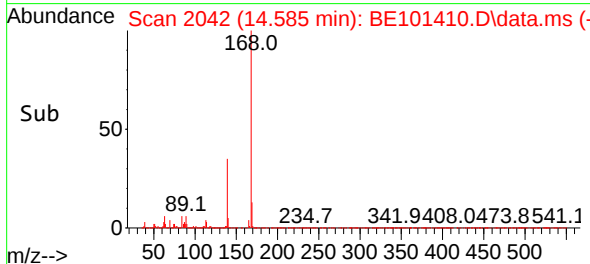
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:168 Resp: 389654
Ion Ratio Lower Upper
168 100
139 35.5 30.2 45.4
169 13.2 11.0 16.4

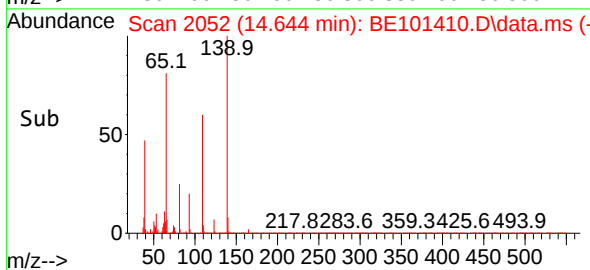
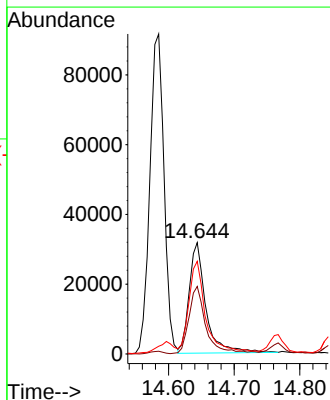
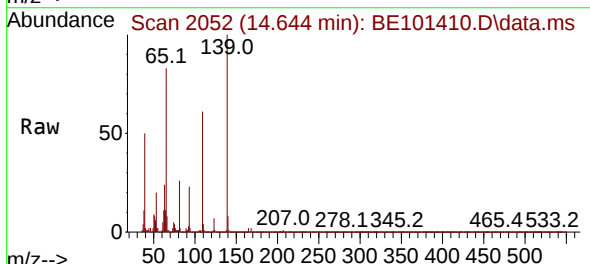
Manual Integrations
APPROVED

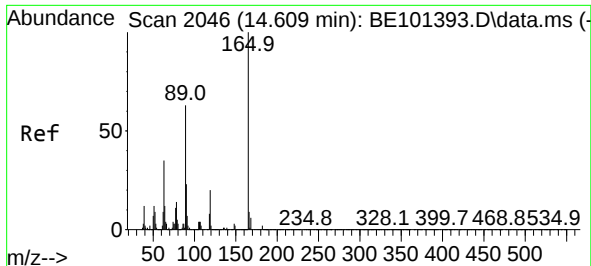
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#56
4-Nitrophenol
Concen: 6.887 ng
RT: 14.644 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

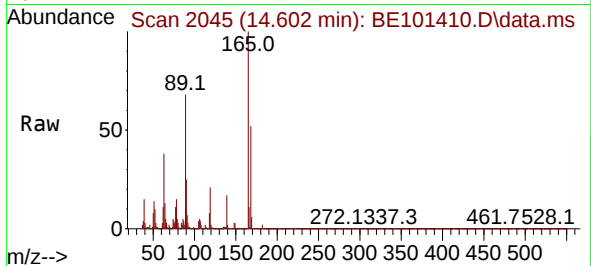
Tgt Ion:139 Resp: 55829
Ion Ratio Lower Upper
139 100
109 60.6 42.4 82.4
65 83.1 63.4 103.4





#57
2,4-Dinitrotoluene
Concen: 7.214 ng
RT: 14.602 min Scan# 2046
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

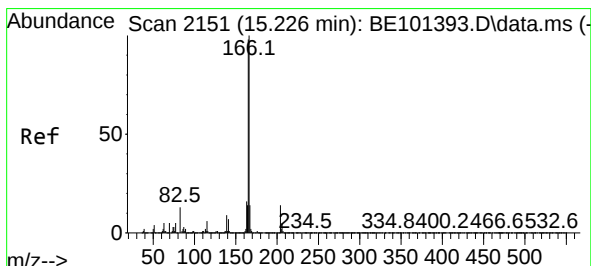
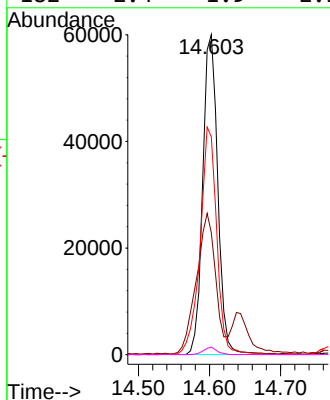
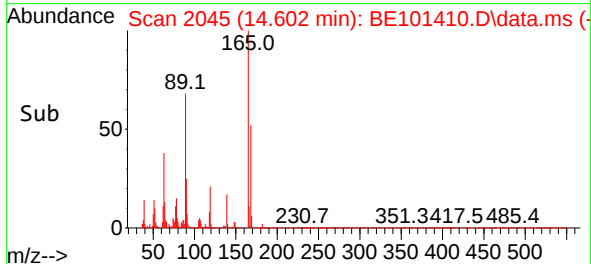
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:165 Resp: 8841
Ion Ratio Lower Upper
165 100
63 38.1 28.6 42.8
89 68.0 50.8 76.2
182 2.4 1.9 2.9

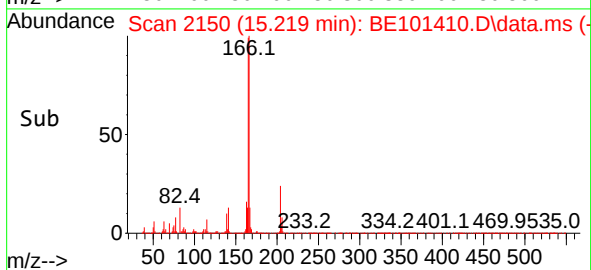
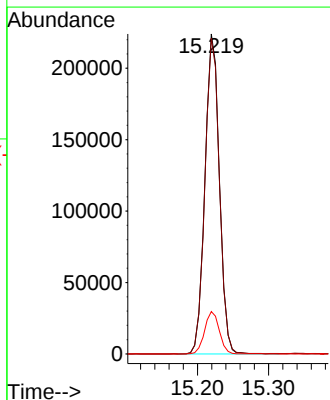
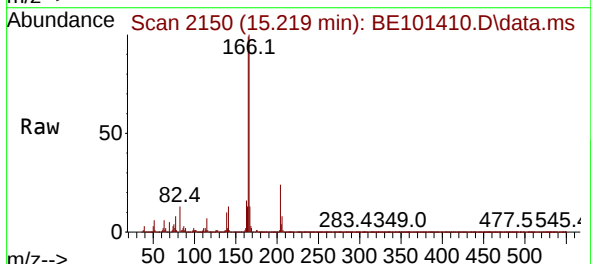
Manual Integrations
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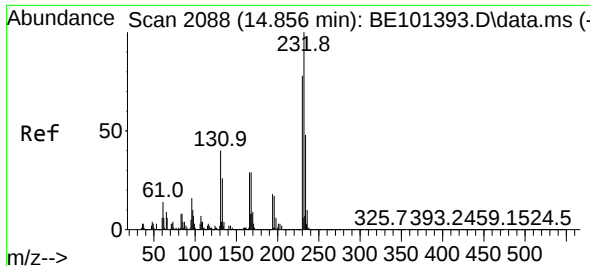
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#58
Fluorene
Concen: 8.308 ng
RT: 15.219 min Scan# 2150
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:166 Resp: 316312
Ion Ratio Lower Upper
166 100
165 98.7 78.7 118.1
167 13.2 11.0 16.4





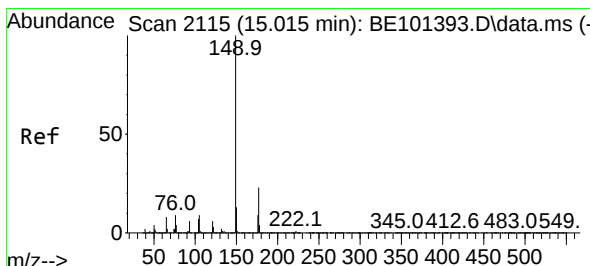
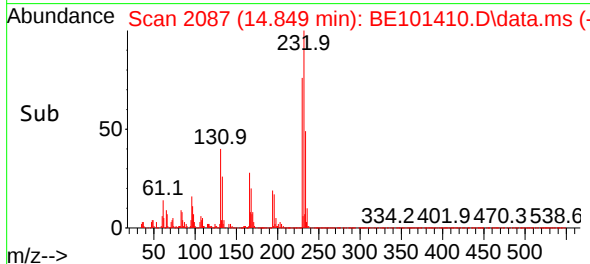
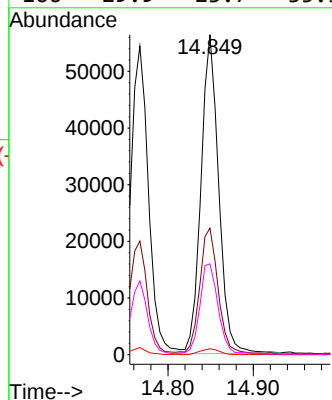
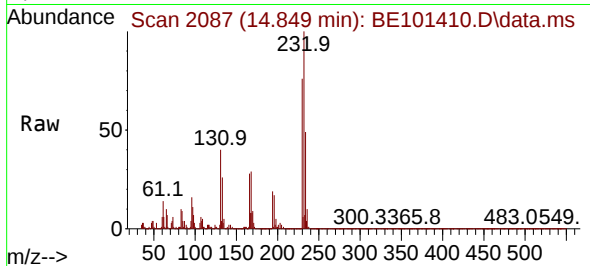
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.115 ng
RT: 14.849 min Scan# 2087
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:232 Resp: 8117
Ion Ratio Lower Upper
232 100
131 41.7 33.5 50.3
130 2.0 1.6 2.4
166 29.9 23.7 35.5

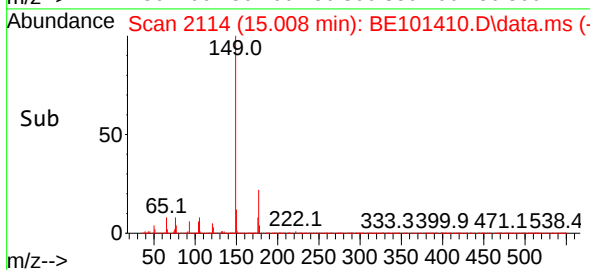
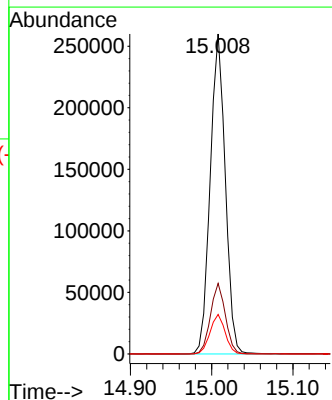
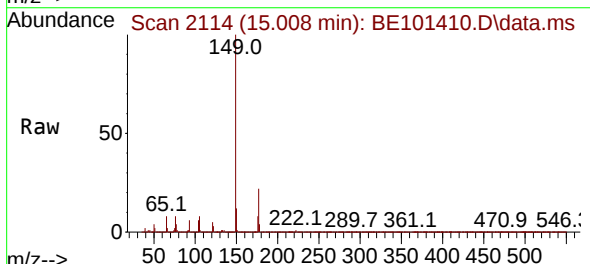
Manual Integrations
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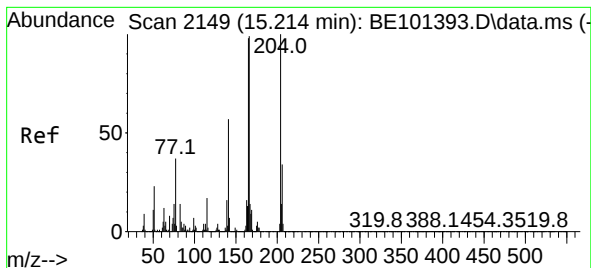
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#60
Diethylphthalate
Concen: 8.279 ng
RT: 15.008 min Scan# 2114
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:149 Resp: 333942
Ion Ratio Lower Upper
149 100
177 22.1 18.0 27.0
150 12.4 10.3 15.5





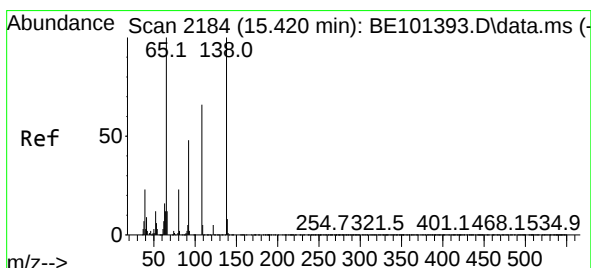
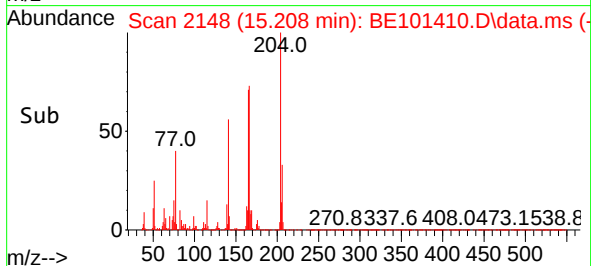
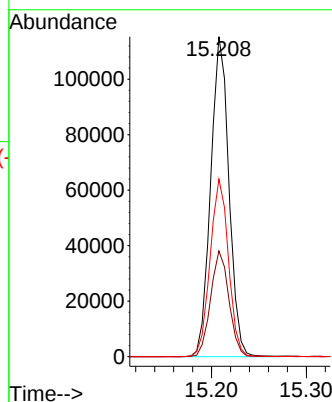
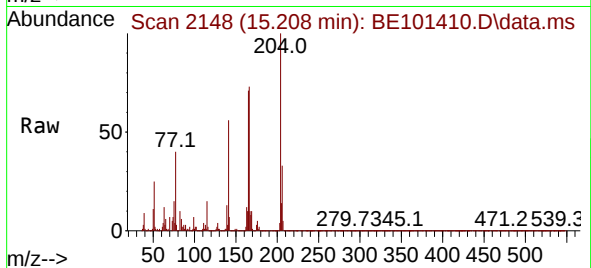
#61
4-Chlorophenyl-phenylether
Concen: 8.154 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:204 Resp: 15404
Ion Ratio Lower Upper
204 100
206 33.1 26.9 40.3
141 55.5 45.9 68.9

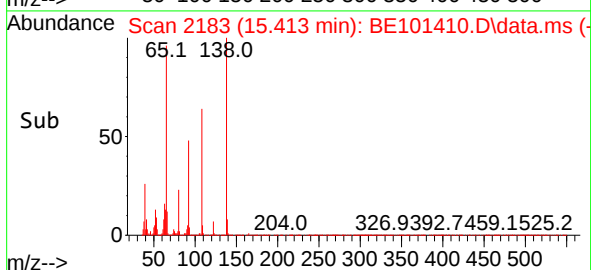
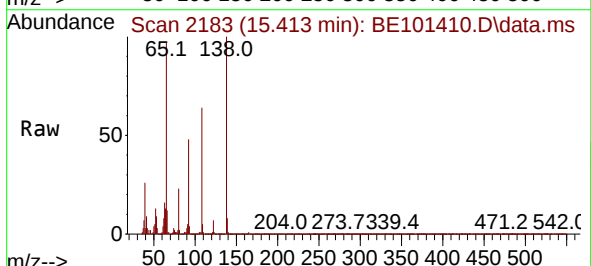
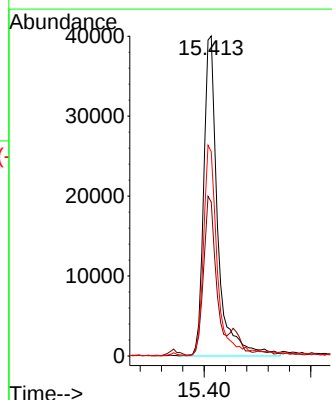
Manual Integrations
APPROVED

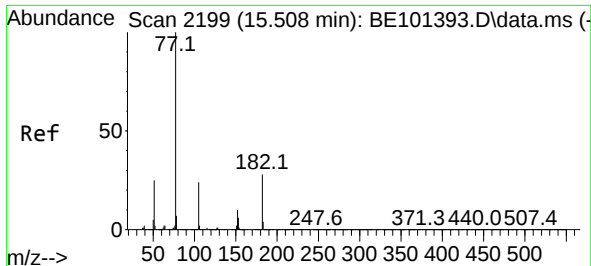
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#62
4-Nitroaniline
Concen: 7.435 ng
RT: 15.413 min Scan# 2183
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

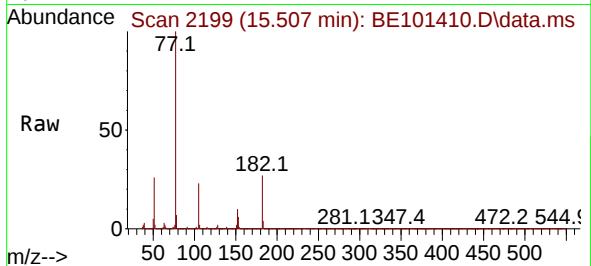
Tgt Ion:138 Resp: 73239
Ion Ratio Lower Upper
138 100
92 48.1 28.7 68.7
108 63.8 46.5 86.5





#63
Azobenzene
Concen: 8.381 ng
RT: 15.507 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

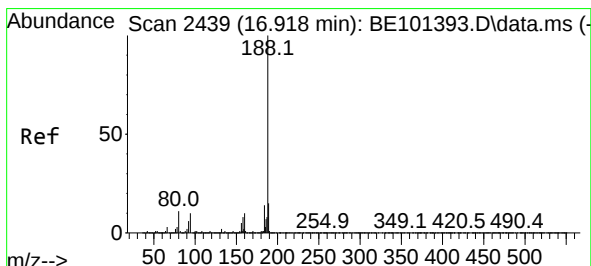
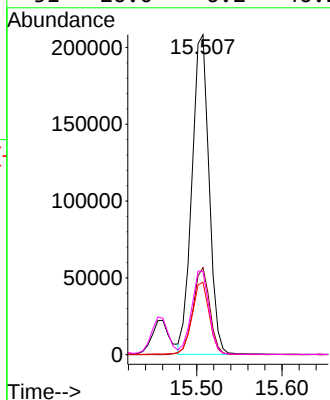
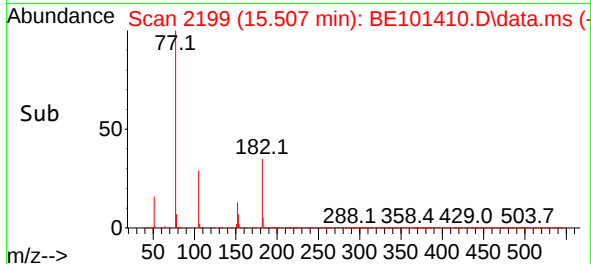
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:	77	Resp:	290554
Ion Ratio	100	Lower	Upper
77	100		
182	27.2	7.6	47.6
105	22.7	3.2	43.2
51	26.0	6.2	46.2

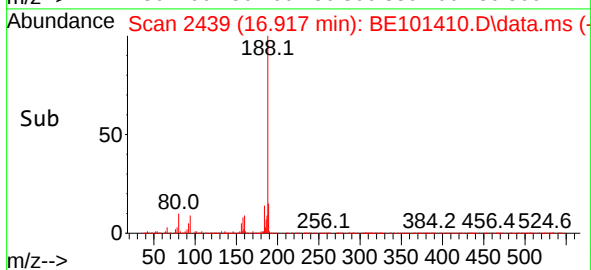
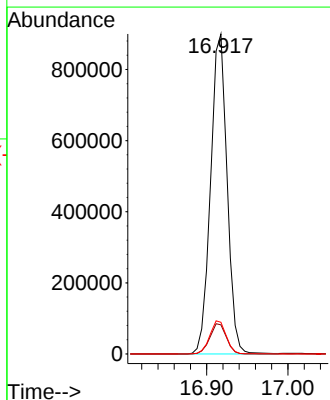
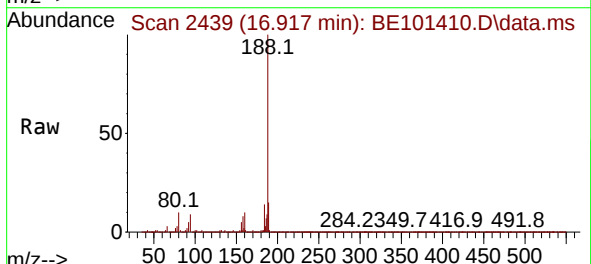
Manual Integrations
APPROVED

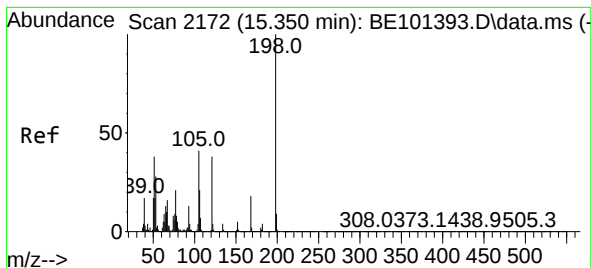
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.917 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	188	Resp:	1268441
Ion Ratio	100	Lower	Upper
188	100		
94	9.1	7.8	11.8
80	9.9	8.6	12.8





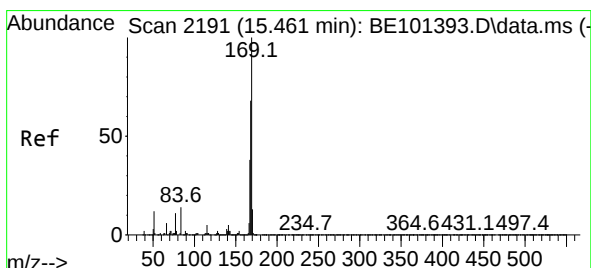
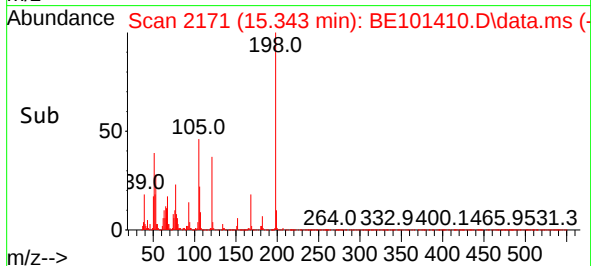
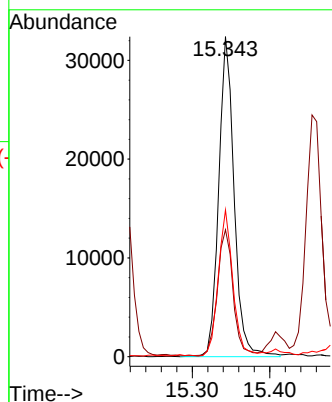
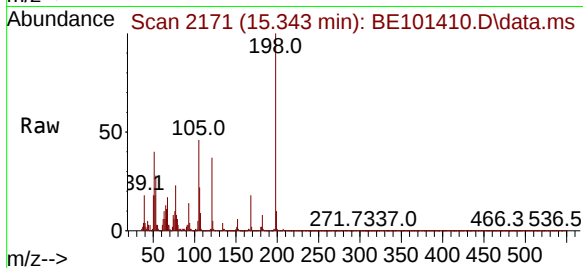
#65
4,6-Dinitro-2-methylphenol
Concen: 5.985 ng
RT: 15.343 min Scan# 2172
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:198 Resp: 44600
Ion Ratio Lower Upper
198 100
51 39.6 18.2 58.2
105 45.9 21.5 61.5

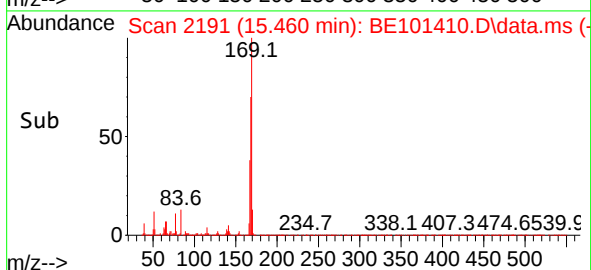
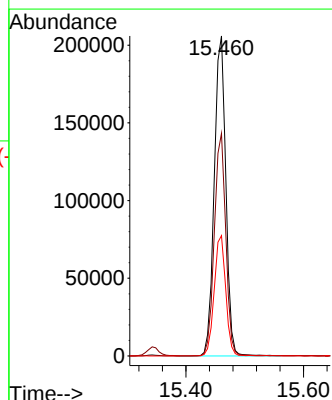
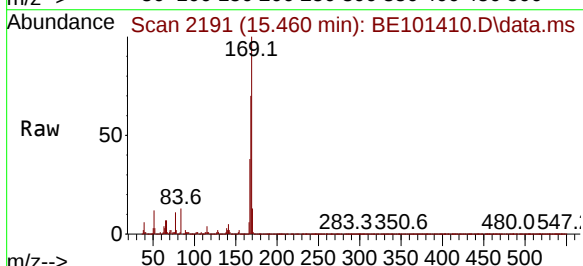
Manual Integrations
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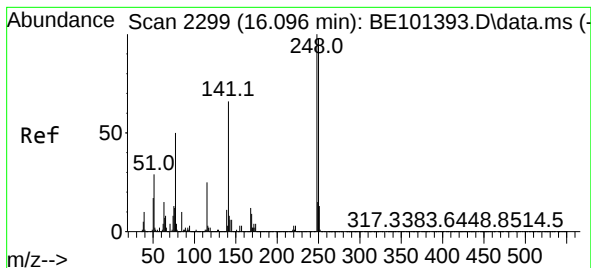
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#66
n-Nitrosodiphenylamine
Concen: 8.331 ng
RT: 15.460 min Scan# 2191
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

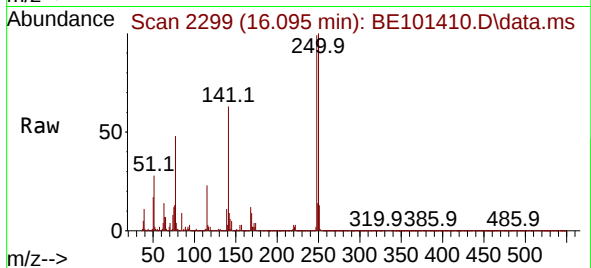
Tgt Ion:169 Resp: 280222
Ion Ratio Lower Upper
169 100
168 69.5 54.5 81.7
167 37.6 30.4 45.6





#67
4-Bromophenyl-phenylether
Concen: 7.998 ng
RT: 16.095 min Scan# 21
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

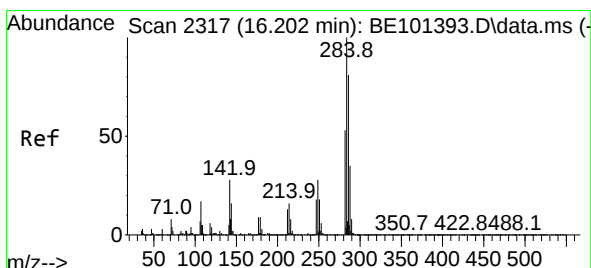
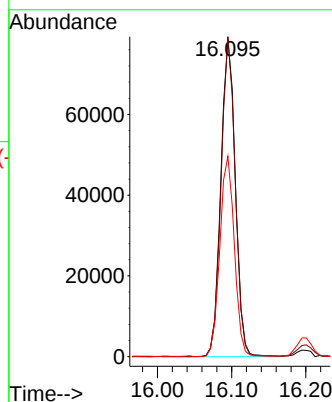
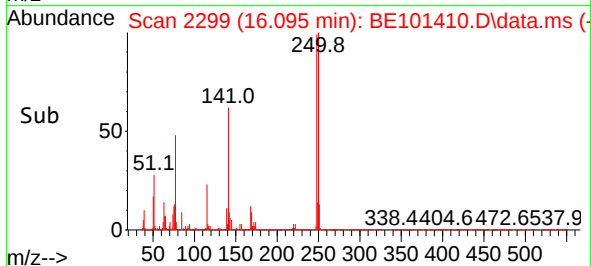
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



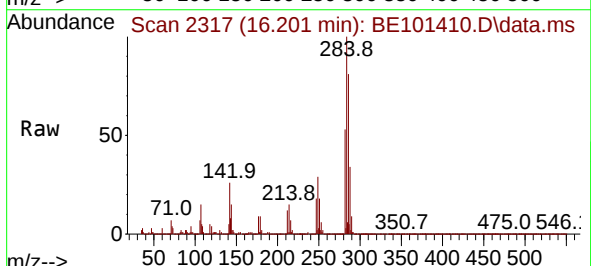
Tgt Ion:248 Resp: 106714
Ion Ratio Lower Upper
248 100
250 100.9 78.2 117.2
141 63.2 53.0 79.4

Manual Integrations
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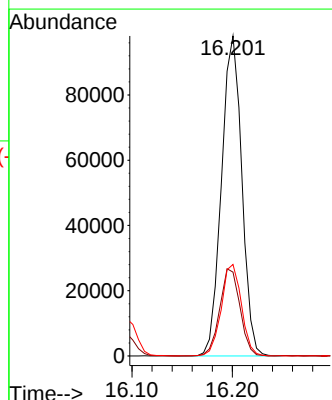
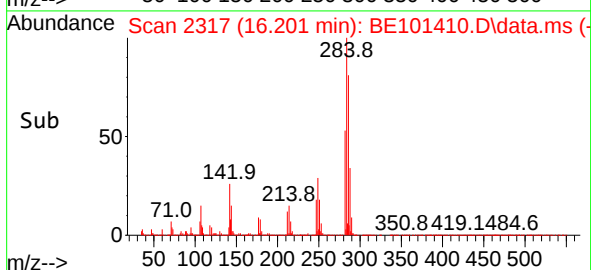
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

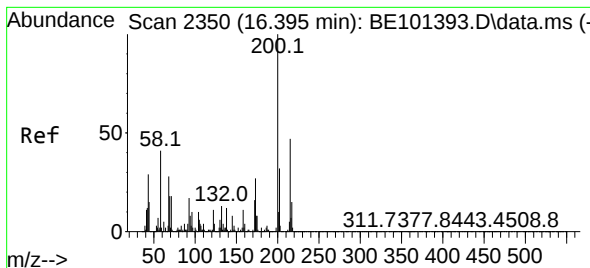


#68
Hexachlorobenzene
Concen: 7.863 ng
RT: 16.201 min Scan# 2317
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53



Tgt Ion:284 Resp: 137512
Ion Ratio Lower Upper
284 100
142 26.2 22.2 33.2
249 28.6 22.8 34.2





#69

Atrazine

Concen: 10.169 ng

RT: 16.389 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

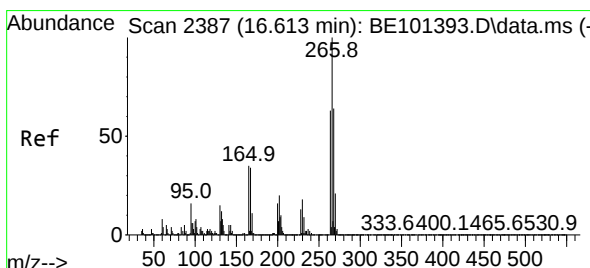
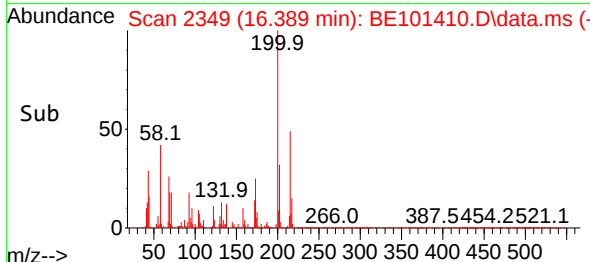
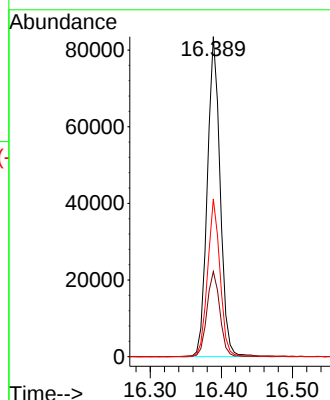
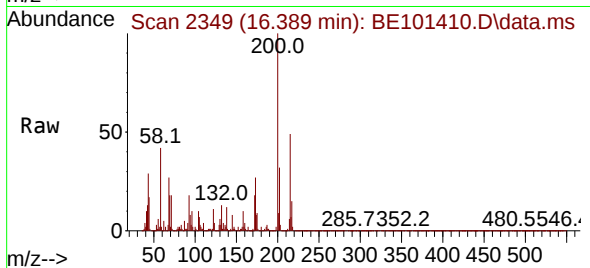
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:200 Resp: 10487
Ion Ratio Lower Upper
200 100
173 26.6 7.0 47.0
215 49.3 27.3 67.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#70

Pentachlorophenol

Concen: 6.702 ng

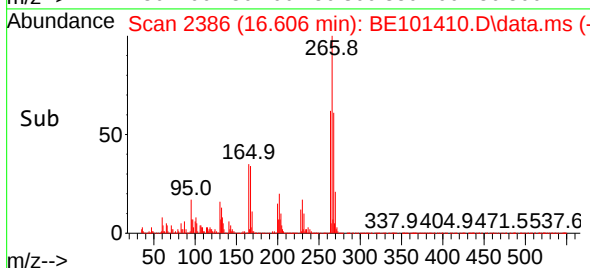
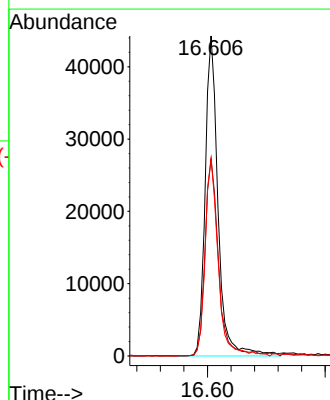
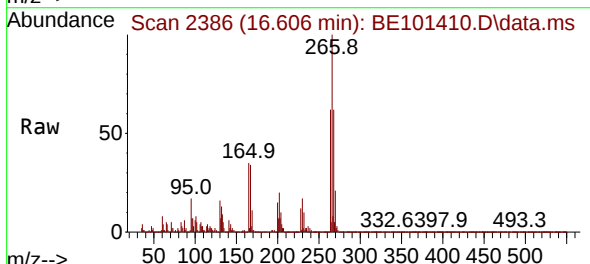
RT: 16.606 min Scan# 2386

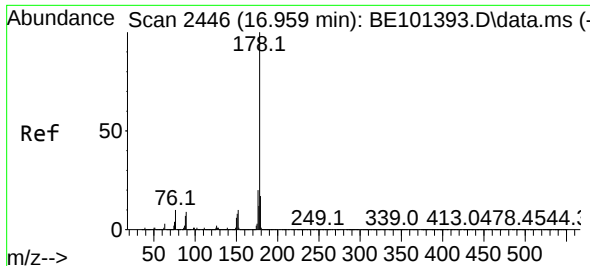
Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Tgt Ion:266 Resp: 67469
Ion Ratio Lower Upper
266 100
268 61.5 51.5 77.3
264 66.3 50.7 76.1





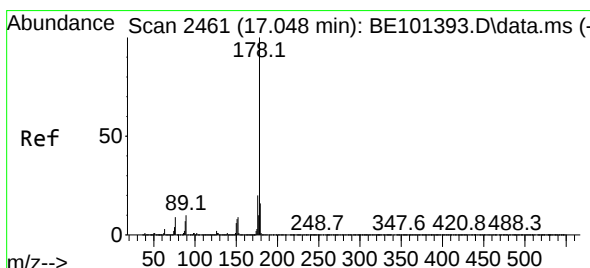
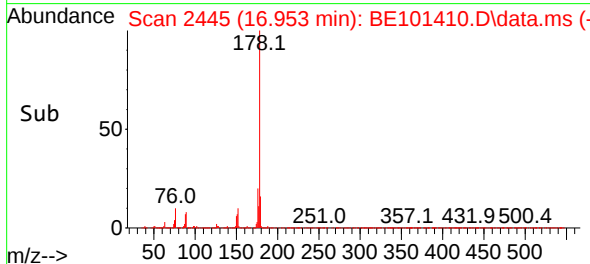
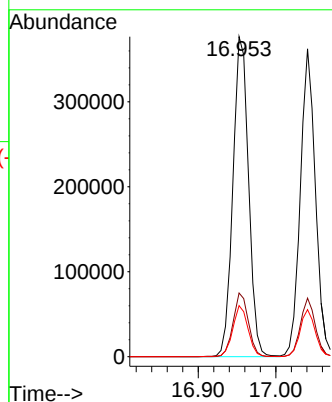
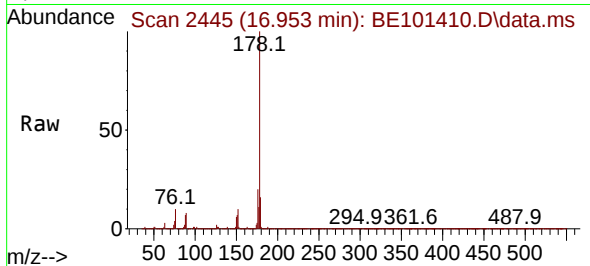
#71
Phenanthrene
Concen: 8.711 ng
RT: 16.953 min Scan# 2446
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:178 Resp: 529029
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 15.9 13.2 19.8

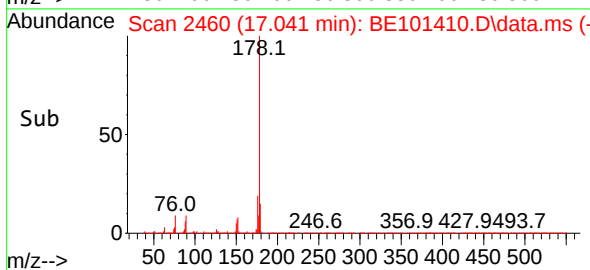
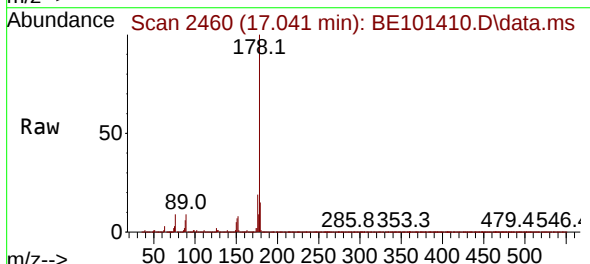
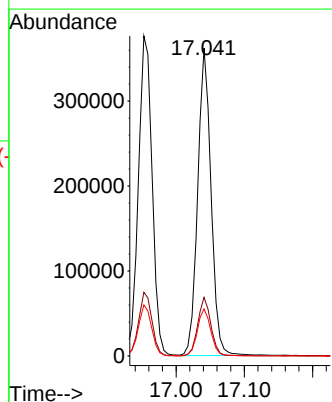
Manual Integrations
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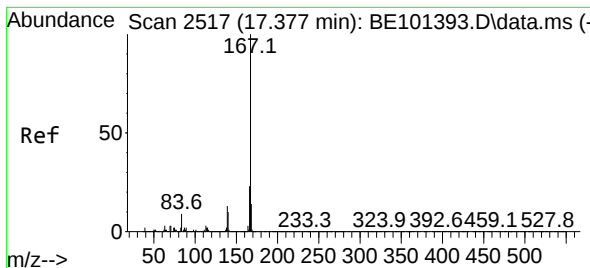
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#72
Anthracene
Concen: 8.299 ng
RT: 17.041 min Scan# 2460
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:178 Resp: 492114
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.3 13.1 19.7





#73

Carbazole

Concen: 8.364 ng

RT: 17.370 min Scan# 2517

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

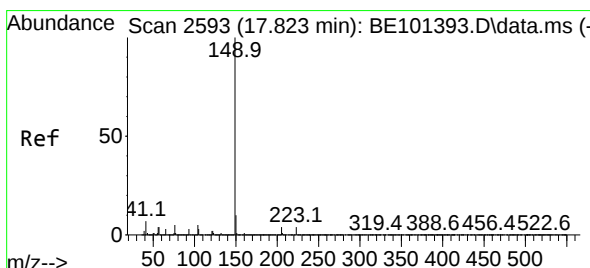
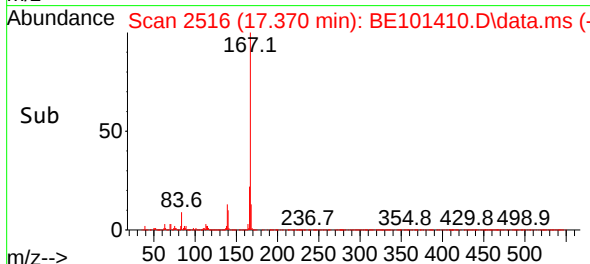
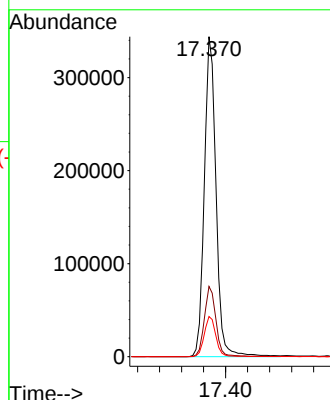
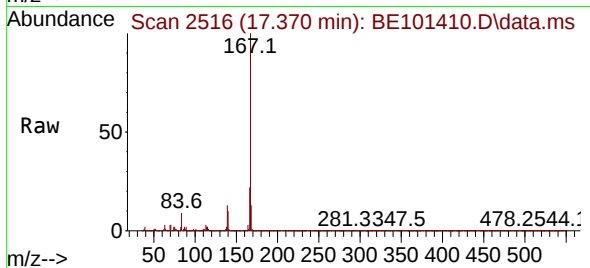
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:167 Resp: 507510
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.3 27.5
 139 12.6 10.8 16.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#74

Di-n-butylphthalate

Concen: 8.732 ng

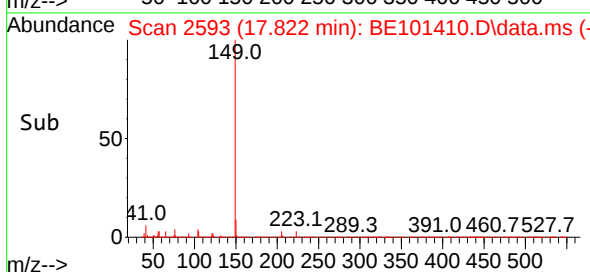
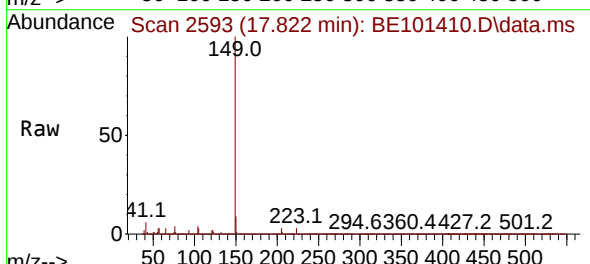
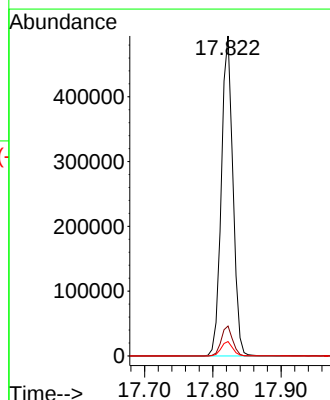
RT: 17.822 min Scan# 2593

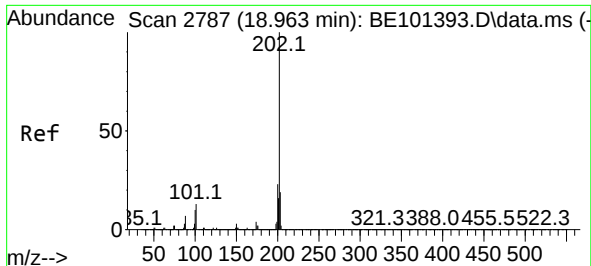
Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

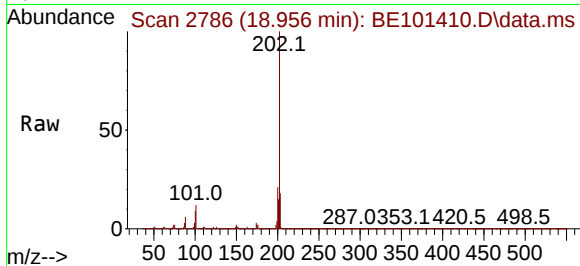
Tgt Ion:149 Resp: 583257
 Ion Ratio Lower Upper
 149 100
 150 9.4 8.2 12.4
 104 4.5 3.9 5.9





#75
Fluoranthene
Concen: 8.702 ng
RT: 18.956 min Scan# 21
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

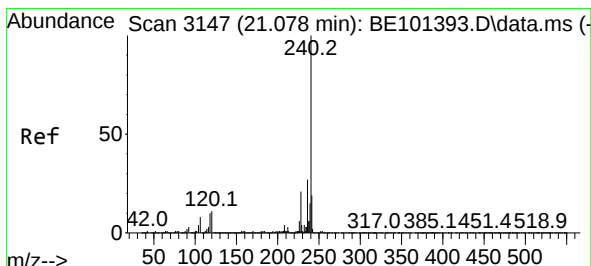
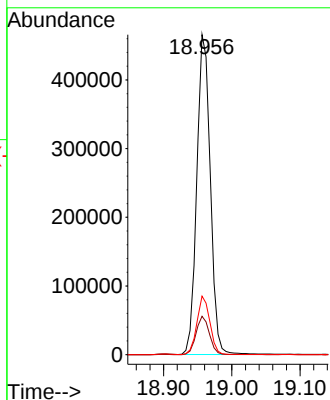
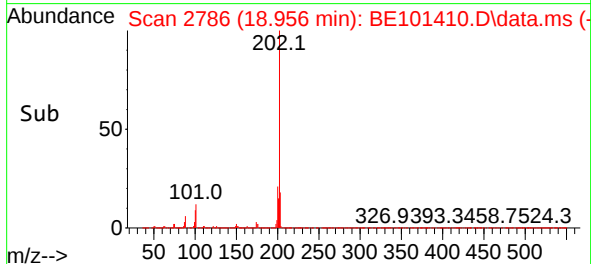
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:202 Resp: 641900
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.3
203 18.3 0.0 39.3

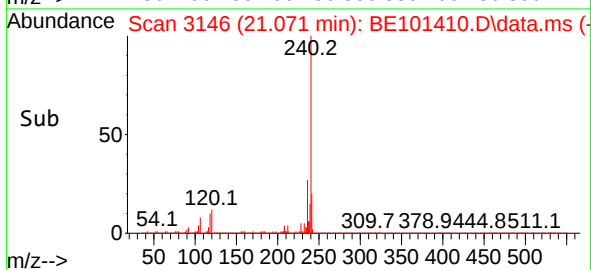
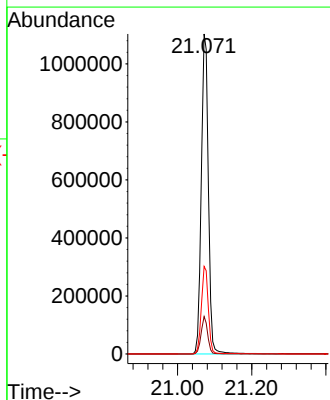
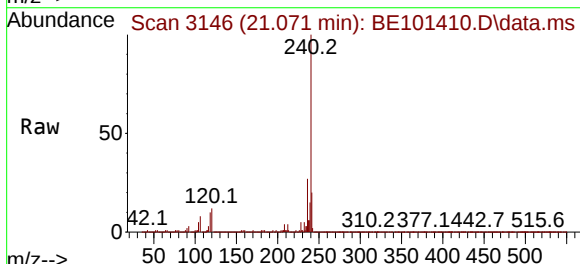
Manual Integrations
APPROVED

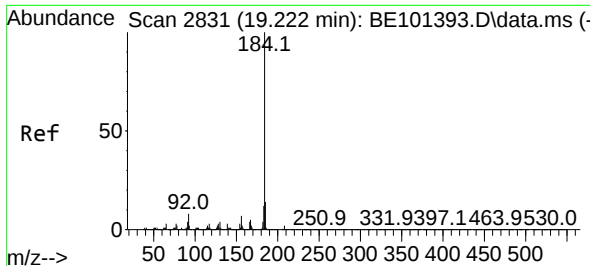
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.071 min Scan# 3146
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:240 Resp: 1452855
Ion Ratio Lower Upper
240 100
120 11.7 9.0 13.4
236 27.4 21.4 32.0





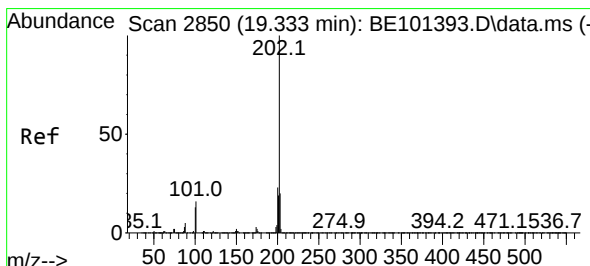
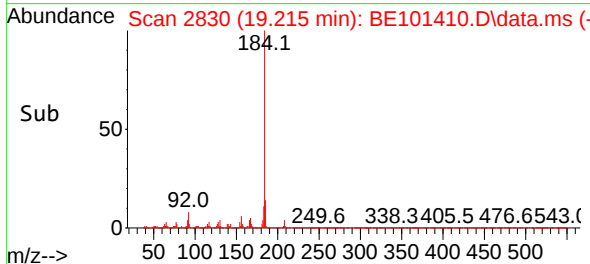
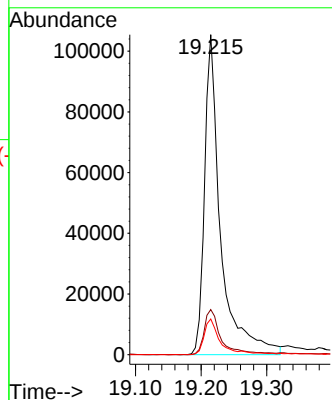
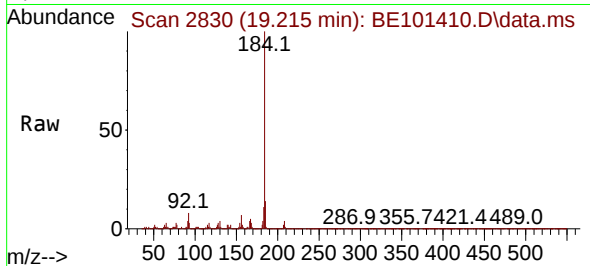
#77
Benzidine
Concen: 9.759 ng
RT: 19.215 min Scan# 2831
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:184 Resp: 179940
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 11.1 9.3 13.9

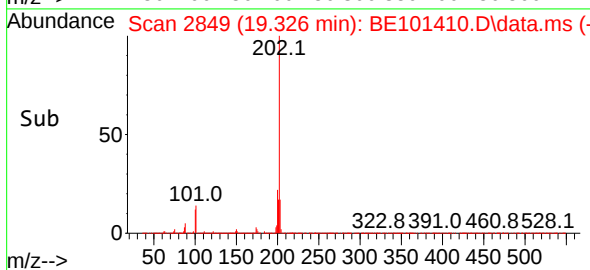
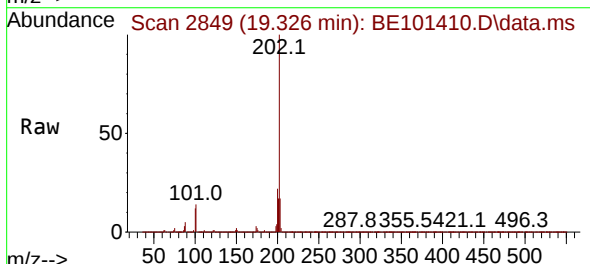
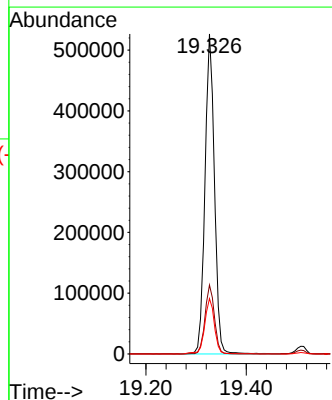
Manual Integrations
APPROVED

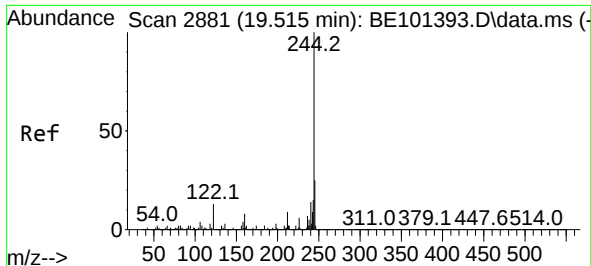
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#78
Pyrene
Concen: 8.646 ng
RT: 19.326 min Scan# 2849
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

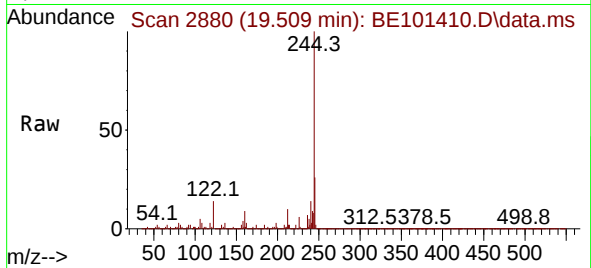
Tgt Ion:202 Resp: 690742
Ion Ratio Lower Upper
202 100
200 21.6 18.6 28.0
203 17.3 15.6 23.4





#79
Terphenyl-d14
Concen: 70.477 ng
RT: 19.509 min Scan# 2881
Delta R.T. -0.006 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

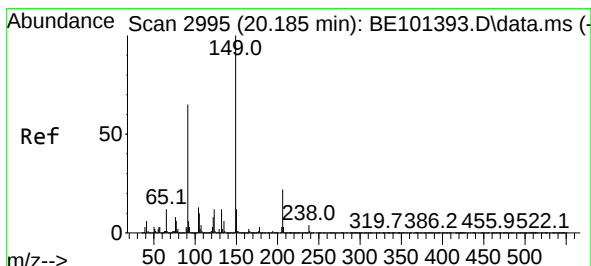
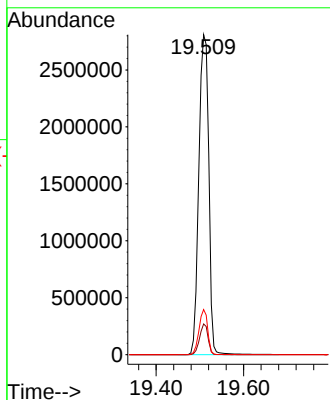
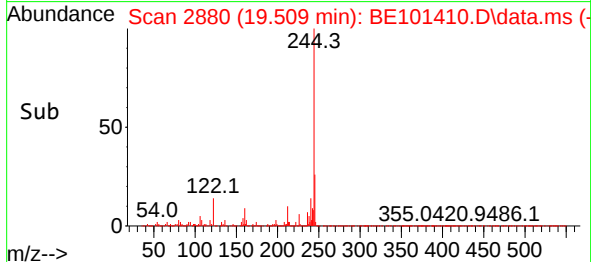
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:244 Resp: 4448830
Ion Ratio Lower Upper
244 100
212 9.6 7.2 10.8
122 14.1 10.4 15.6

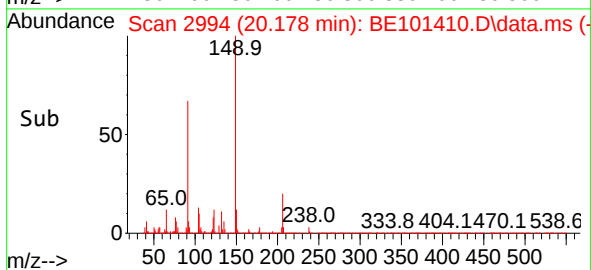
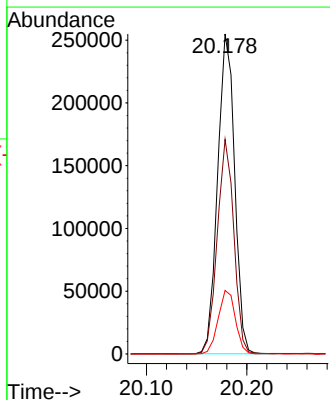
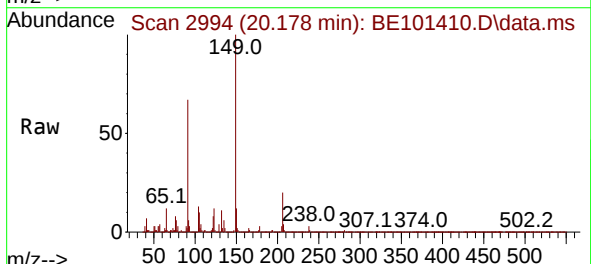
Manual Integrations
APPROVED

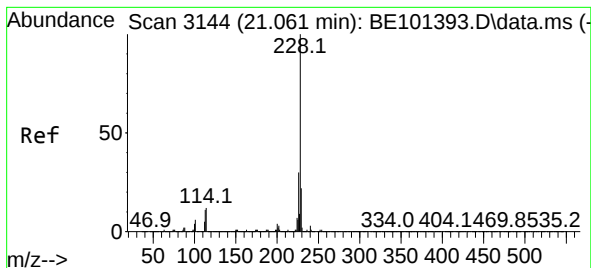
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#80
Butylbenzylphthalate
Concen: 8.545 ng
RT: 20.178 min Scan# 2994
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:149 Resp: 299307
Ion Ratio Lower Upper
149 100
91 67.1 51.8 77.8
206 19.8 17.4 26.2





#81

Benzo(a)anthracene

Concen: 9.267 ng

RT: 21.054 min Scan# 3143

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

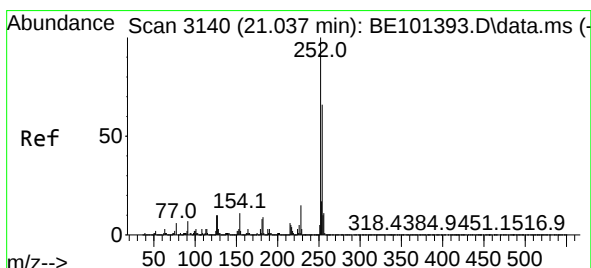
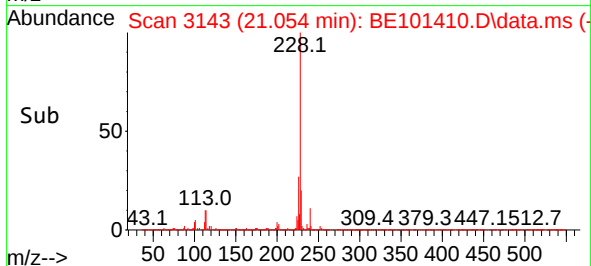
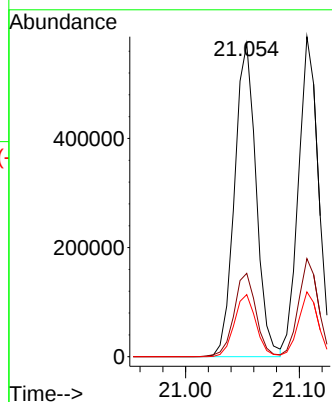
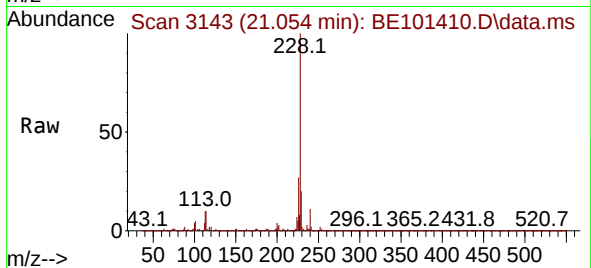
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:228 Resp: 756750
 Ion Ratio Lower Upper
 228 100
 226 26.6 24.1 36.1
 229 19.8 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#82

3,3'-Dichlorobenzidine

Concen: 8.707 ng

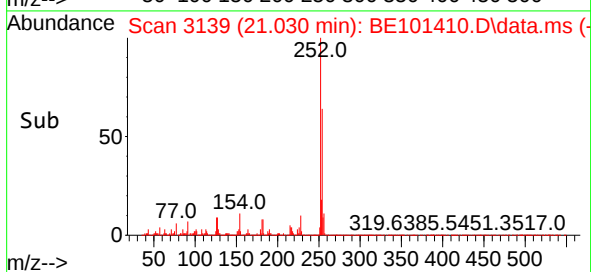
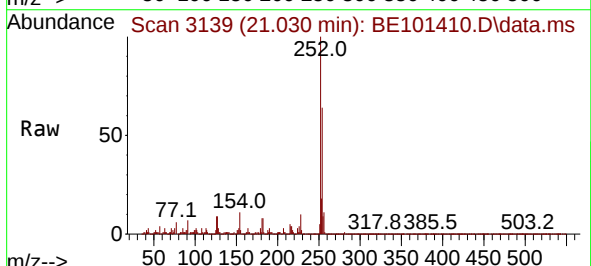
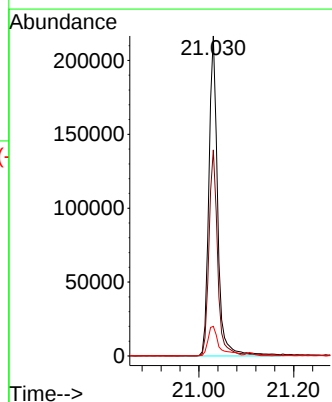
RT: 21.030 min Scan# 3139

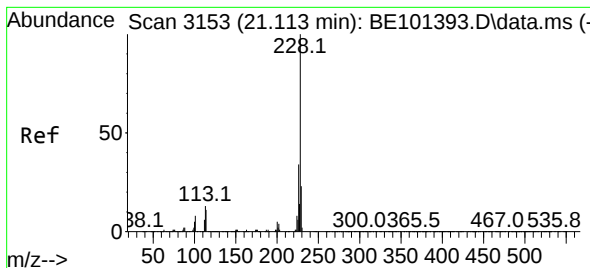
Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Tgt Ion:252 Resp: 278519
 Ion Ratio Lower Upper
 252 100
 254 64.4 52.6 78.8
 126 9.3 7.7 11.5





#83

Chrysene

Concen: 9.222 ng

RT: 21.107 min Scan# 3152

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

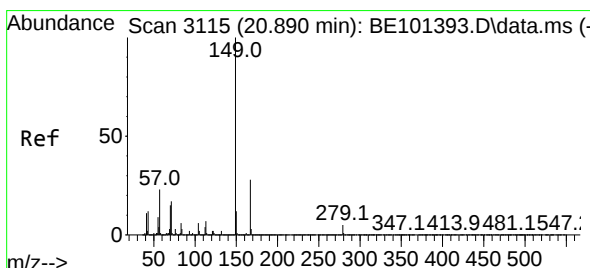
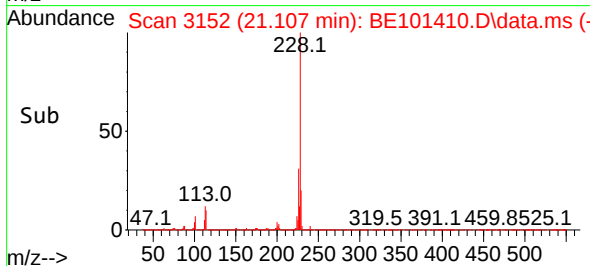
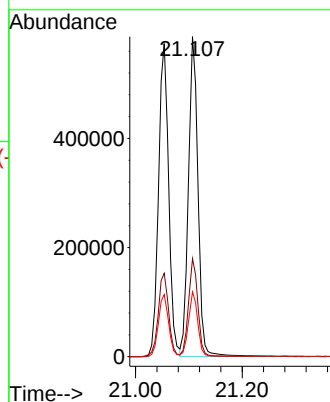
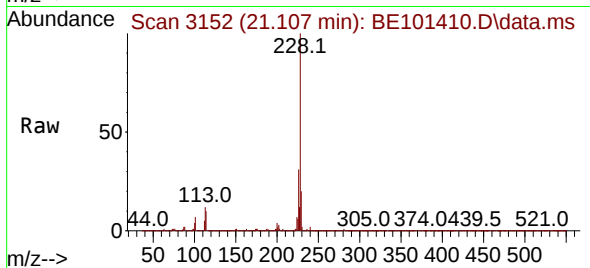
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	228	Resp:	72815
Ion Ratio	Lower	Upper	
228	100		
226	30.6	27.2	40.8
229	20.3	18.0	27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.781 ng

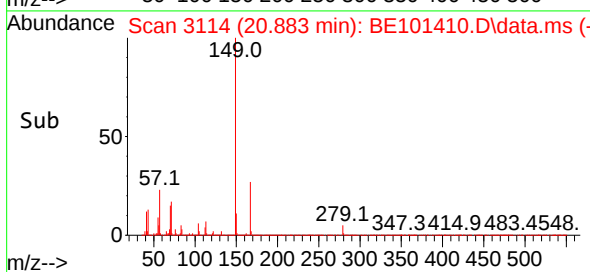
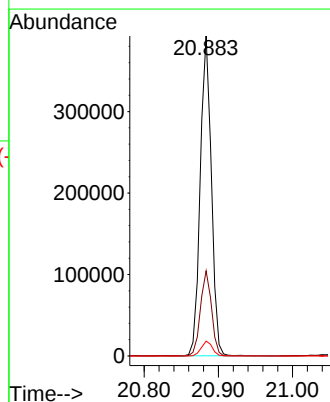
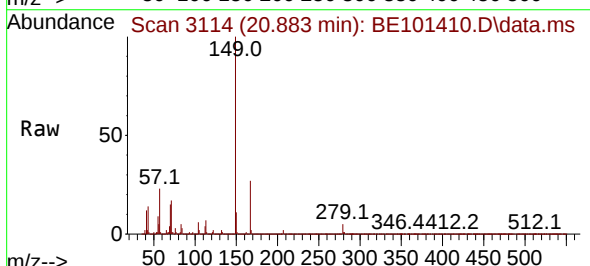
RT: 20.883 min Scan# 3114

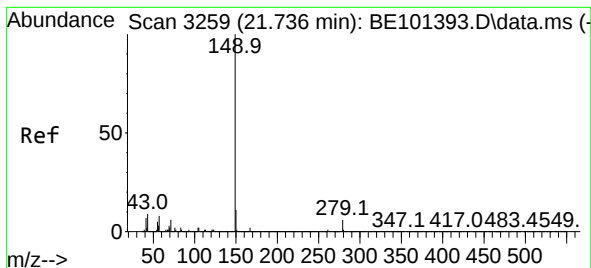
Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Tgt Ion:	149	Resp:	408559
Ion Ratio	Lower	Upper	
149	100		
167	26.6	22.7	34.1
279	4.7	4.3	6.5





#85

Di-n-octyl phthalate

Concen: 9.261 ng

RT: 21.729 min Scan# 31

Delta R.T. -0.007 min

Lab File: BE101410.D

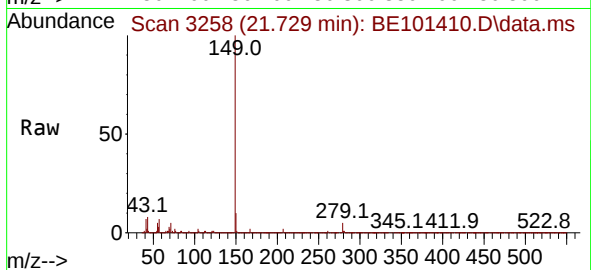
Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:149 Resp: 70721

Ion Ratio Lower Upper

149 100

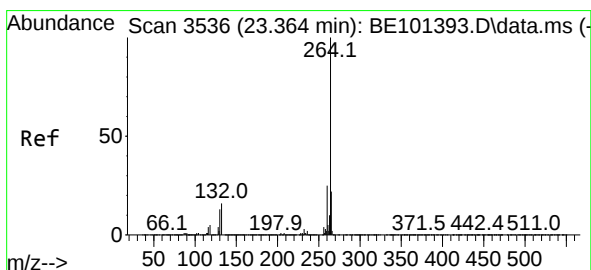
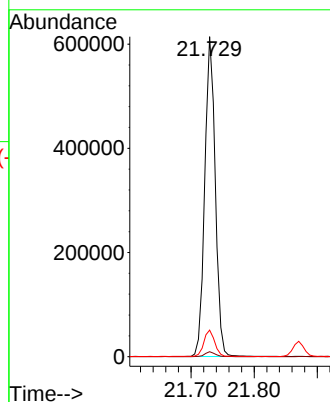
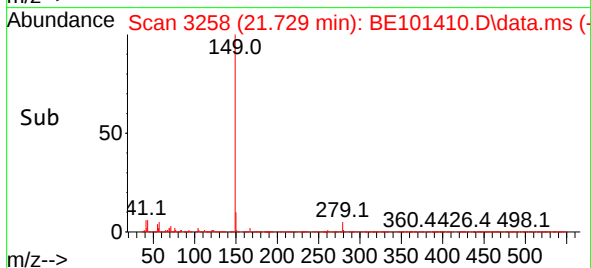
167 1.6 1.4 2.0

43 8.6 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.357 min Scan# 3535

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

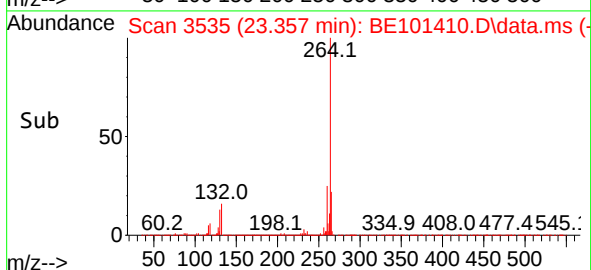
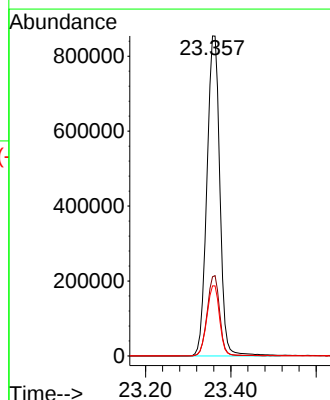
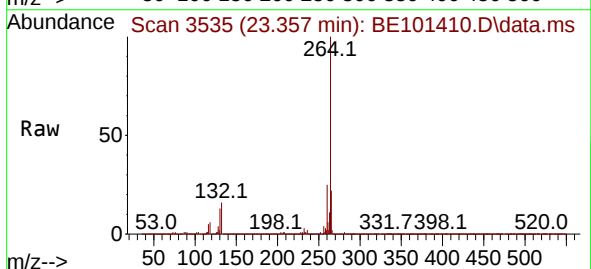
Tgt Ion:264 Resp: 1793897

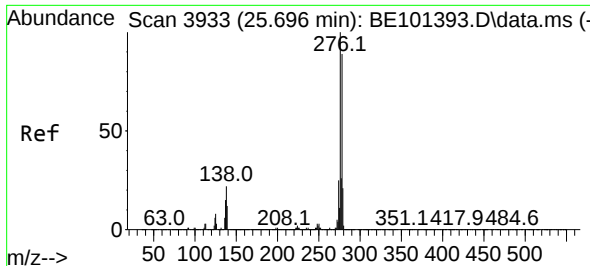
Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.8

265 21.9 17.6 26.4





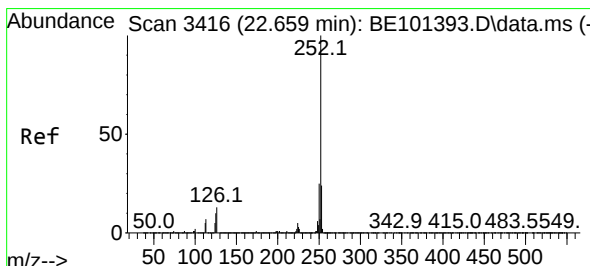
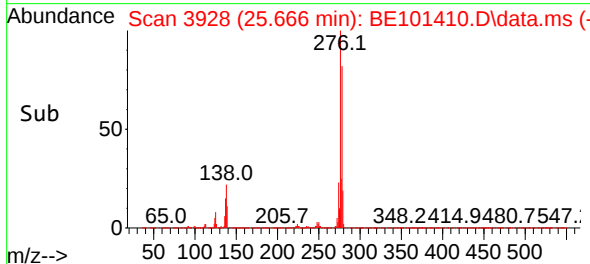
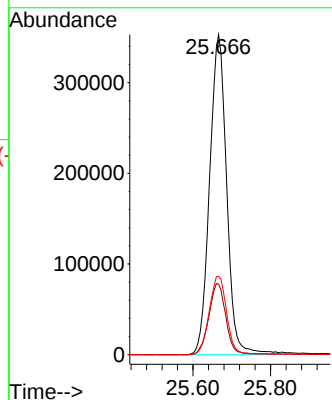
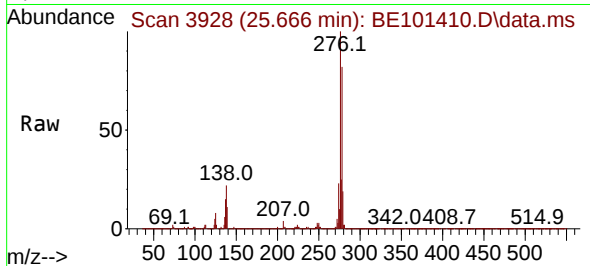
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.963 ng
RT: 25.666 min Scan# 3933
Delta R.T. -0.030 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:276 Resp: 107601
Ion Ratio Lower Upper
276 100
138 22.1 17.8 26.8
277 25.2 20.5 30.7

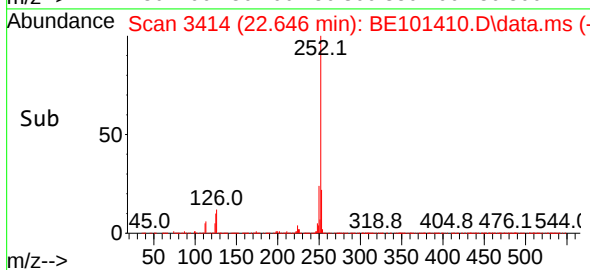
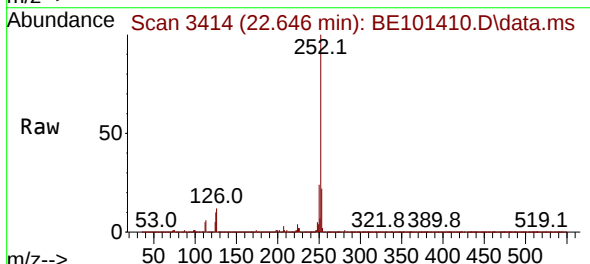
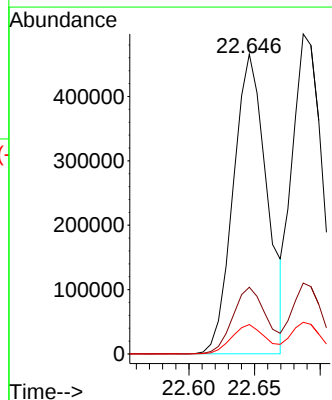
Manual Integrations
APPROVED

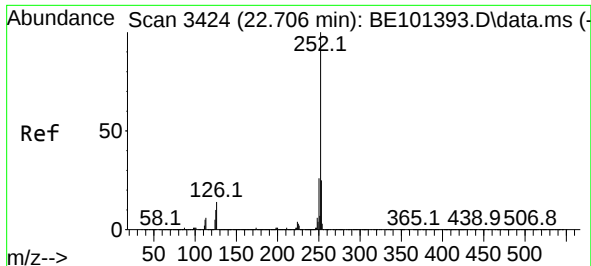
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#88
Benzo(b)fluoranthene
Concen: 8.896 ng
RT: 22.646 min Scan# 3414
Delta R.T. -0.013 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:252 Resp: 831673
Ion Ratio Lower Upper
252 100
253 22.2 19.0 28.6
125 9.8 8.2 12.2





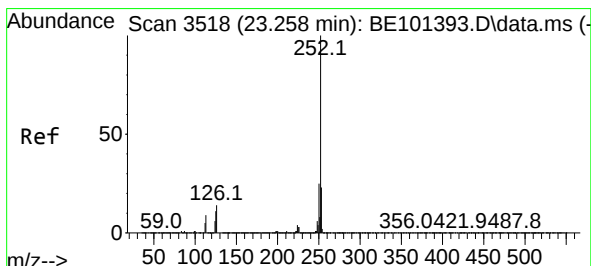
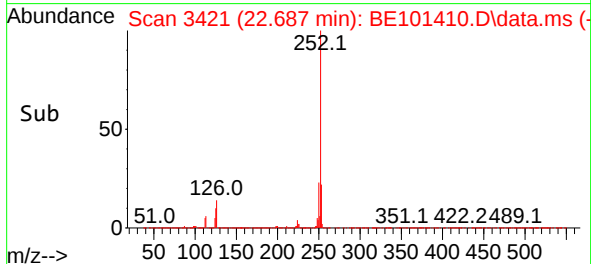
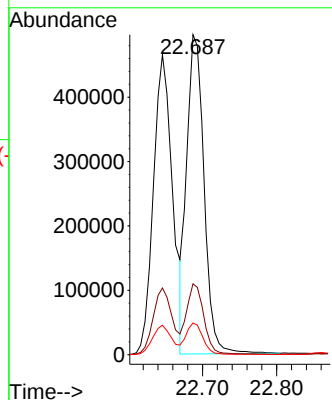
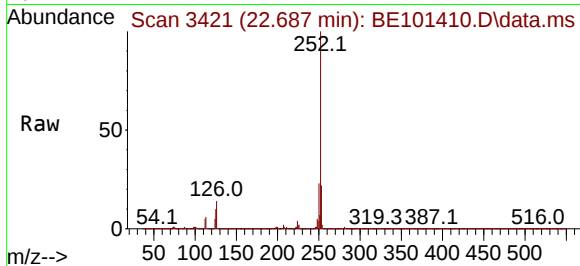
#89
Benzo(k)fluoranthene
Concen: 9.235 ng
RT: 22.687 min Scan# 3424
Delta R.T. -0.019 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:252 Resp: 806618
Ion Ratio Lower Upper
252 100
253 22.2 19.4 29.2
125 9.9 8.2 12.2

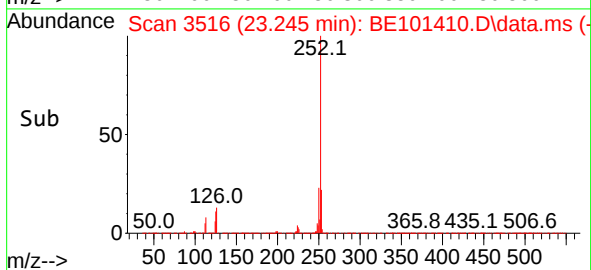
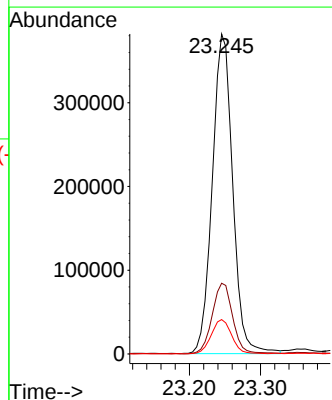
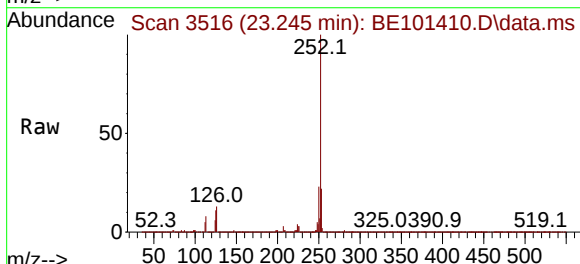
Manual Integrations
APPROVED

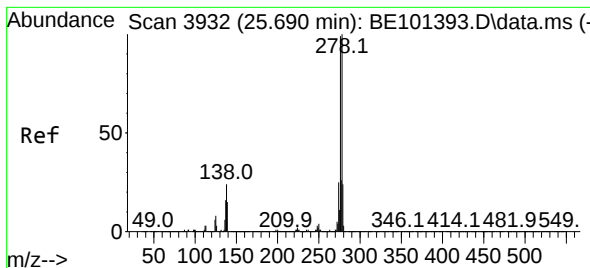
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#90
Benzo(a)pyrene
Concen: 9.291 ng
RT: 23.245 min Scan# 3516
Delta R.T. -0.013 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:252 Resp: 759634
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 10.8 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 8.991 ng

RT: 25.660 min Scan# 3932

Delta R.T. -0.030 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

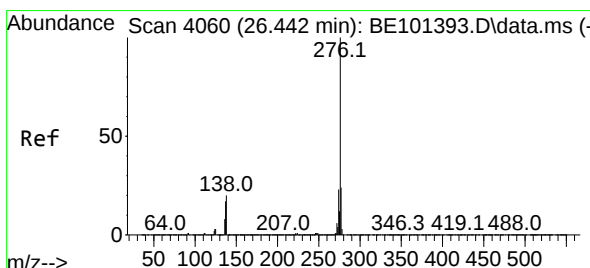
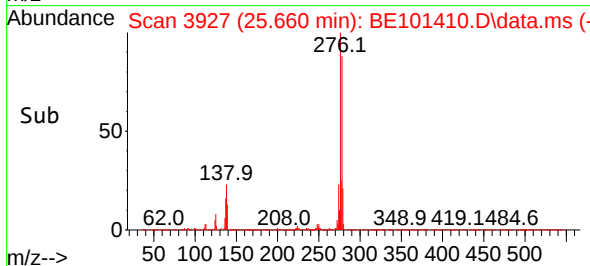
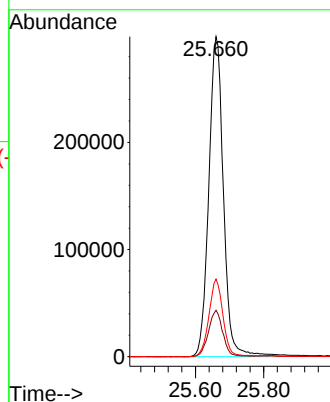
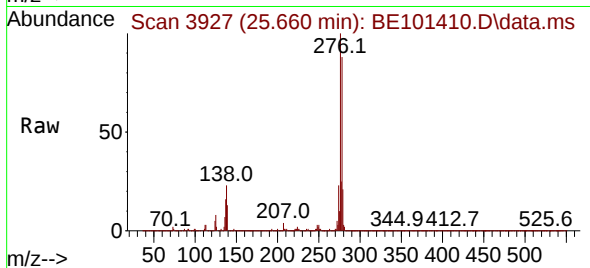
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	278	Resp:	89197
Ion Ratio	Lower	Upper	
278	100		
139	14.5	11.9	17.9
279	24.3	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#92

Benzo(g,h,i)perylene

Concen: 8.125 ng

RT: 26.418 min Scan# 4056

Delta R.T. -0.024 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Tgt Ion:	276	Resp:	830527
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.2
138	19.0	15.8	23.6

