

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101402.D
 Acq On : 29 Oct 2024 12:06
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 29 12:46:48 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	113507	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	556352	20.000	ng	0.00
39) Acenaphthene-d10	14.179	164	415788	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	997574	20.000	ng	0.00
76) Chrysene-d12	21.077	240	1180653	20.000	ng	0.00
86) Perylene-d12	23.363	264	1483151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	718132	110.887	ng	0.00
7) Phenol-d6	6.947	99	1007200	112.161	ng	0.00
23) Nitrobenzene-d5	8.780	82	714555	80.669	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	856111	117.478	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2001423	81.520	ng	0.00
79) Terphenyl-d14	19.514	244	3785541	73.795	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.228	88	11560	4.786	ng	97
3) Pyridine	3.839	79	26606m	3.893	ng	
4) n-Nitrosodimethylamine	3.645	42	10707	4.049	ng	# 74
6) Aniline	7.017	93	43830m	6.369	ng	
8) 2-Chlorophenol	7.211	128	37919	4.882	ng	96
9) Benzaldehyde	6.788	77	27302	6.298	ng	98
10) Phenol	6.970	94	49587	5.089	ng	84
11) bis(2-Chloroethyl)ether	7.047	93	32618m	4.081	ng	
12) 1,3-Dichlorobenzene	7.458	146	40300	4.811	ng	95
13) 1,4-Dichlorobenzene	7.605	146	41779	4.885	ng	97
14) 1,2-Dichlorobenzene	7.934	146	40916	4.887	ng	97
15) Benzyl Alcohol	7.916	79	28567	5.337	ng	# 73
16) 2,2'-oxybis(1-Chloropr...	8.069	45	52994	5.268	ng	97
17) 2-Methylphenol	8.151	107	28168	4.271	ng	97
18) Hexachloroethane	8.633	117	12928	4.628	ng	96
19) n-Nitroso-di-n-propyla...	8.374	70	28091	4.714	ng	97
20) 3+4-Methylphenols	8.492	107	37825	4.155	ng	96
22) Acetophenone	8.427	105	60939	4.824	ng	# 98
24) Nitrobenzene	8.821	77	46549	4.937	ng	98
25) Isophorone	9.279	82	78053	4.516	ng	99
26) 2-Nitrophenol	9.514	139	18016	3.954	ng	97
27) 2,4-Dimethylphenol	9.632	122	21772	3.797	ng	96
28) bis(2-Chloroethoxy)met...	9.785	93	48690	4.645	ng	99
29) 2,4-Dichlorophenol	10.061	162	33381	4.208	ng	98
30) 1,2,4-Trichlorobenzene	10.184	180	40058	4.636	ng	98
31) Naphthalene	10.390	128	138015	4.868	ng	100
32) Benzoic acid	9.826	122	8231m	9.372	ng	
33) 4-Chloroaniline	10.619	127	50006	5.072	ng	98
34) Hexachlorobutadiene	10.637	225	22825	4.462	ng	99
35) Caprolactam	11.400	113	11936m	3.925	ng	
36) 4-Chloro-3-methylphenol	11.788	107	38811	4.297	ng	95
37) 2-Methylnaphthalene	11.976	142	99239	4.859	ng	99
38) 1-Methylnaphthalene	12.205	142	93845	4.604	ng	99
40) 1,2,4,5-Tetrachloroben...	12.335	216	49665	4.758	ng	100
41) Hexachlorocyclopentadiene	12.317	237	14140	4.102	ng	98
43) 2,4,6-Trichlorophenol	12.652	196	29473	4.096	ng	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	33006	4.006	ng	97
46) 1,1'-Biphenyl	13.010	154	146336	5.137	ng	99
47) 2-Chloronaphthalene	13.051	162	104534	4.645	ng	99
48) 2-Nitroaniline	13.386	65	23080	3.811	ng	95
49) Acenaphthylene	13.909	152	168800	5.072	ng	100
50) Dimethylphthalate	13.680	163	141532	4.822	ng	99
51) 2,6-Dinitrotoluene	13.815	165	28273	4.173	ng	87
52) Acenaphthene	14.244	154	104036	4.787	ng	98
53) 3-Nitroaniline	14.232	138	28038	4.161	ng	96
54) 2,4-Dinitrophenol	14.367	184	7267	7.020	ng	95
55) Dibenzofuran	14.585	168	173495	5.009	ng	98
56) 4-Nitrophenol	14.649	139	21792m	3.532	ng	
57) 2,4-Dinitrotoluene	14.602	165	34890	3.740	ng	93
58) Fluorene	15.225	166	139429	4.812	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.849	232	34725	4.561	ng	100
60) Diethylphthalate	15.008	149	145499	4.740	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	68759	4.782	ng	98
62) 4-Nitroaniline	15.413	138	27925m	3.725	ng	
63) Azobenzene	15.507	77	125476	4.755	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	14319	2.443	ng	86
66) n-Nitrosodiphenylamine	15.460	169	126454	4.780	ng	100
67) 4-Bromophenyl-phenylether	16.101	248	47602	4.536	ng	95
68) Hexachlorobenzene	16.201	284	62742	4.562	ng	98
69) Atrazine	16.389	200	45593	5.622	ng	99
70) Pentachlorophenol	16.606	266	23797	3.006	ng	96
71) Phenanthrene	16.959	178	244968	5.129	ng	97
72) Anthracene	17.047	178	230626	4.945	ng	96
73) Carbazole	17.376	167	231214	4.845	ng	98
74) Di-n-butylphthalate	17.822	149	241458	4.596	ng	97
75) Fluoranthene	18.962	202	294173	5.071	ng	95
77) Benzidine	19.221	184	67817	4.526	ng	98
78) Pyrene	19.332	202	317456	4.889	ng	95
80) Butylbenzylphthalate	20.184	149	124074	4.359	ng	98
81) Benzo(a)anthracene	21.054	228	350556	5.283	ng	94
82) 3,3'-Dichlorobenzidine	21.036	252	113016	4.348	ng	100
83) Chrysene	21.112	228	347547	5.417	ng	93
84) Bis(2-ethylhexyl)phtha...	20.889	149	158770	4.199	ng	95
85) Di-n-octyl phthalate	21.735	149	279069	4.497	ng	100
87) Indeno(1,2,3-cd)pyrene	25.666	276	491709	4.954	ng	99
88) Benzo(b)fluoranthene	22.646	252	373051	4.826	ng	98
89) Benzo(k)fluoranthene	22.693	252	390474	5.407	ng	97
90) Benzo(a)pyrene	23.251	252	343864	5.087	ng	98
91) Dibenzo(a,h)anthracene	25.660	278	402283	4.905	ng	99
92) Benzo(g,h,i)perylene	26.412	276	381131	4.510	ng	100

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

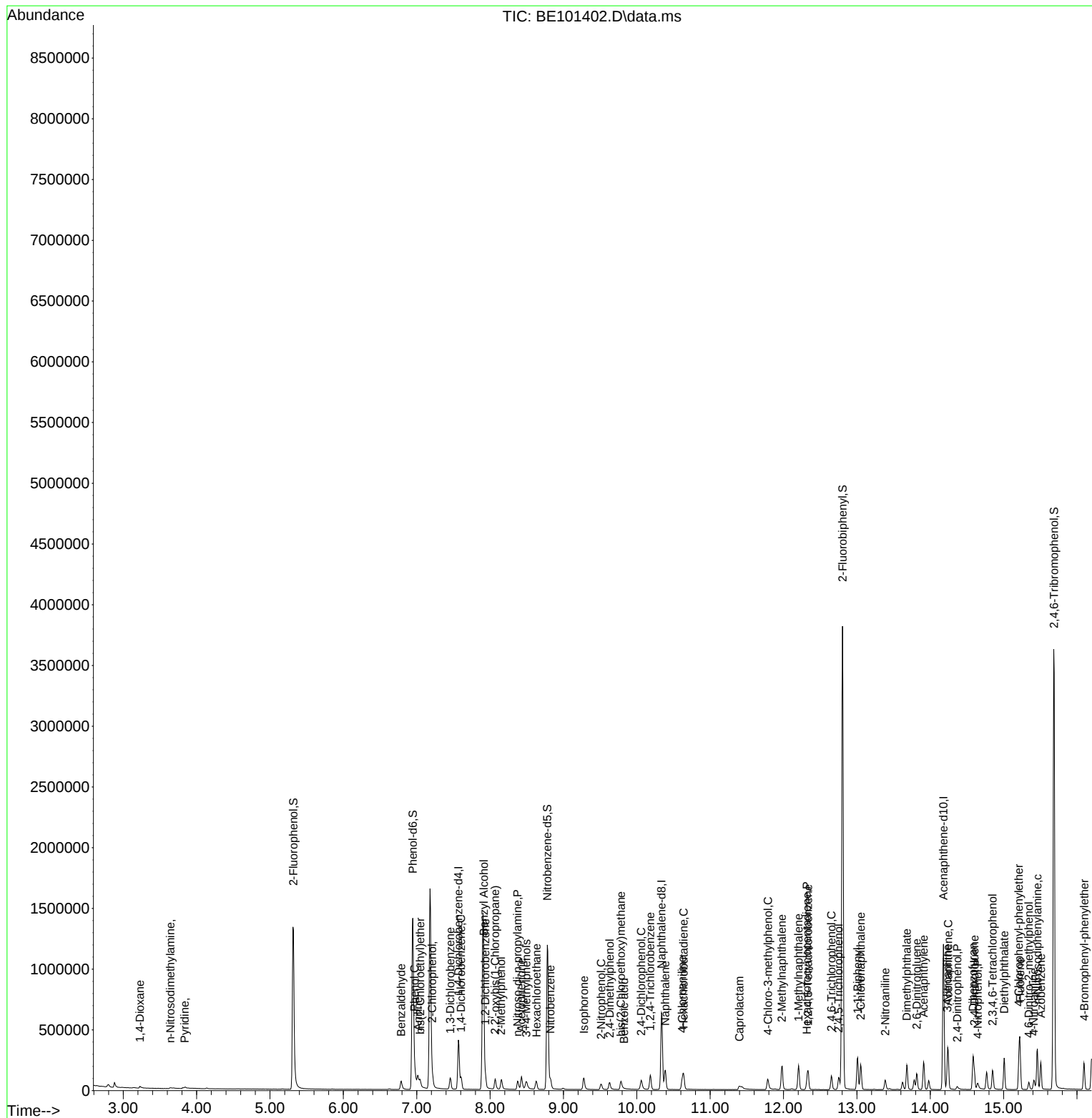
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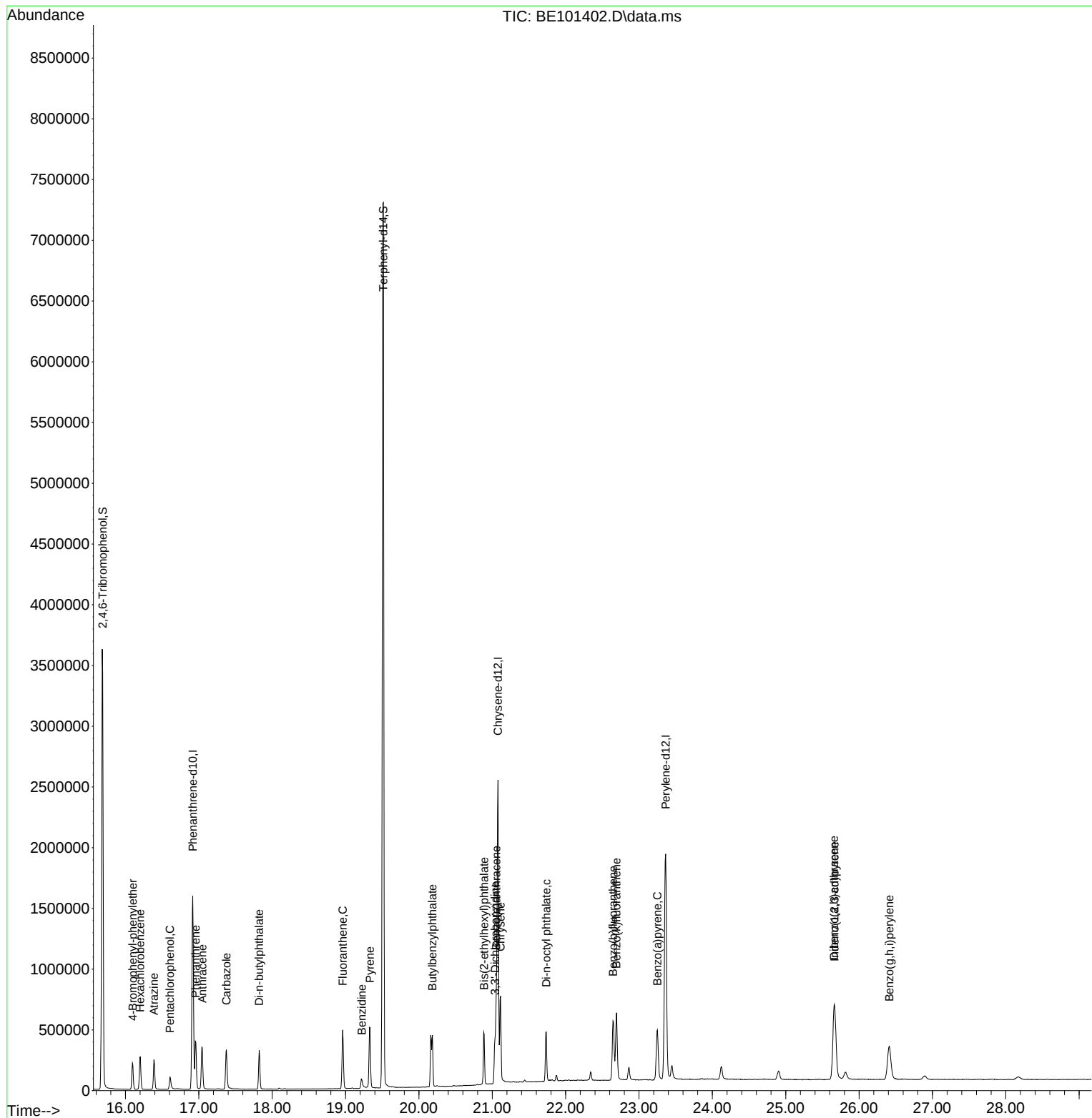
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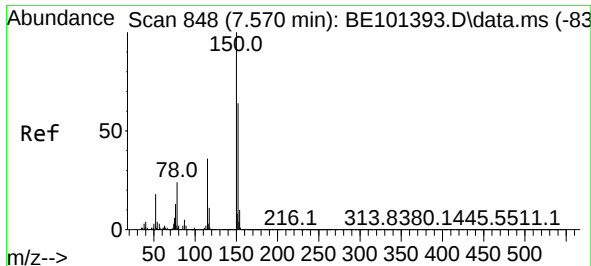
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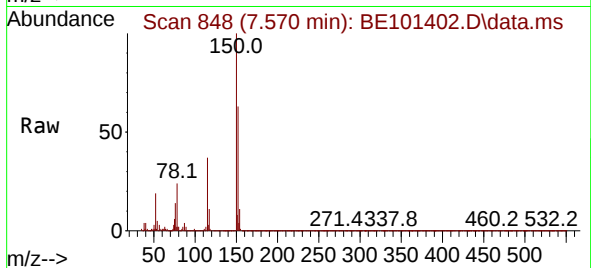
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 848
Delta R.T. -0.000 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

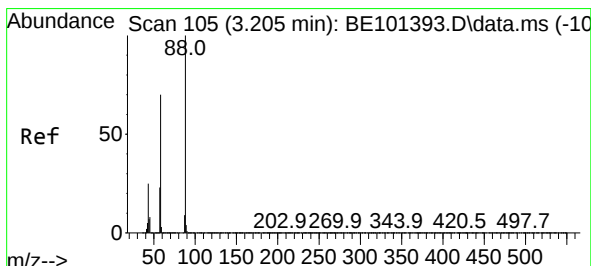
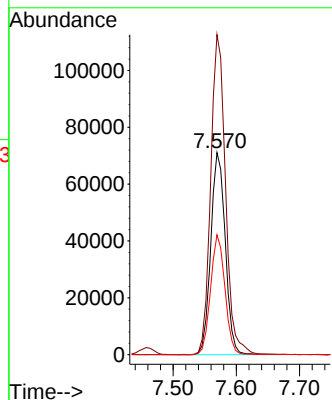
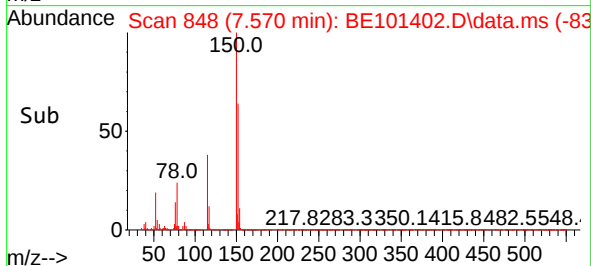
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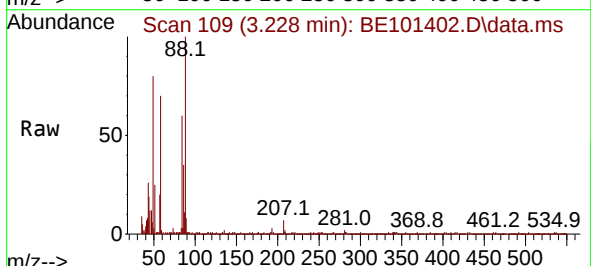
Tgt Ion:152 Resp: 11350
Ion Ratio Lower Upper
152 100
150 158.4 124.2 186.4
115 59.4 45.3 67.9

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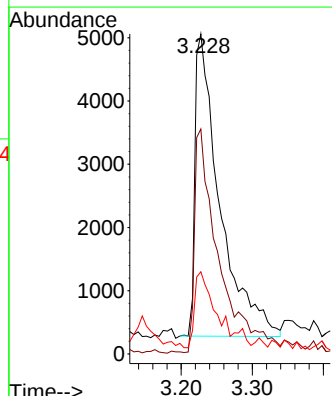
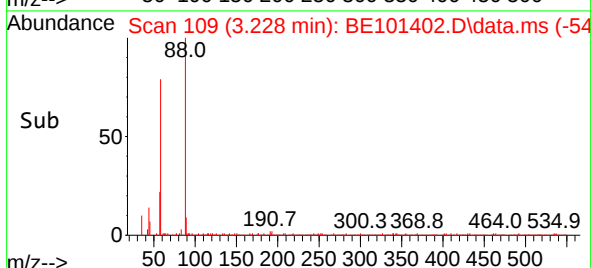
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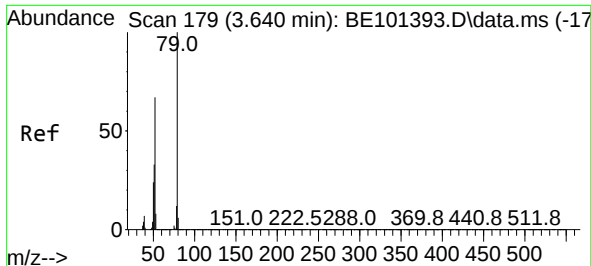


#2
1,4-Dioxane
Concen: 4.786 ng
RT: 3.228 min Scan# 109
Delta R.T. 0.023 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



Tgt Ion: 88 Resp: 11560
Ion Ratio Lower Upper
88 100
58 72.0 56.5 84.7
43 21.7 19.8 29.8





#3

Pyridine

Concen: 3.893 ng m

RT: 3.839 min Scan# 21

Delta R.T. 0.199 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

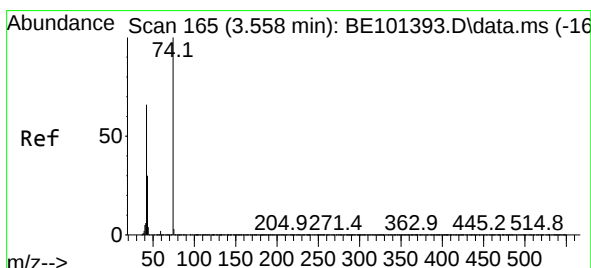
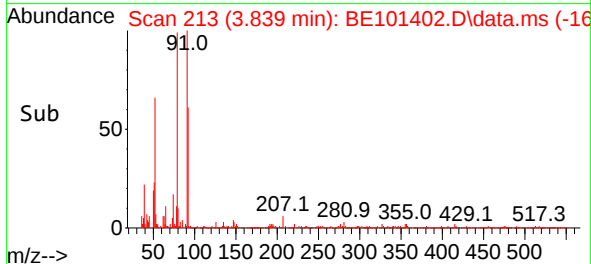
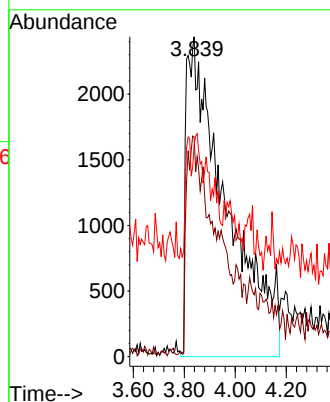
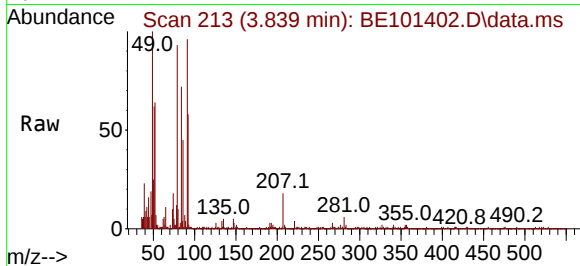
LOQ-SOIL-02-QT4-2024

Tgt Ion: 79	Resp: 2660
Ion Ratio	Lower Upper
79	100
52	68.7 53.3 79.9
51	66.2 27.3 40.9

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 4.049 ng

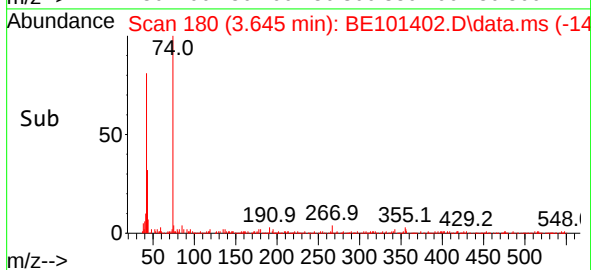
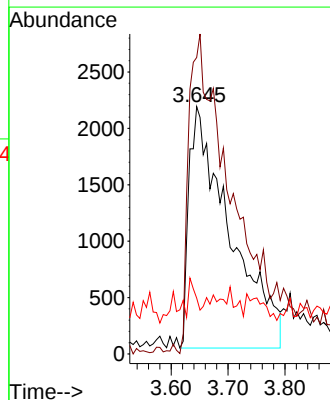
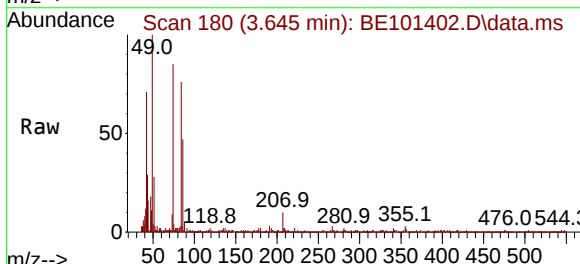
RT: 3.645 min Scan# 180

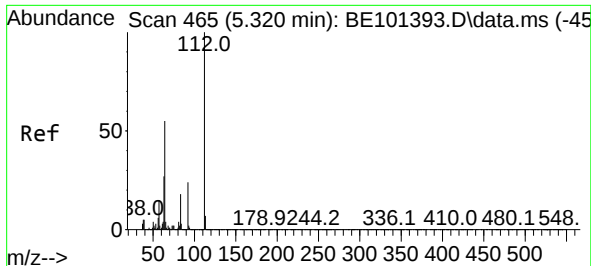
Delta R.T. 0.087 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

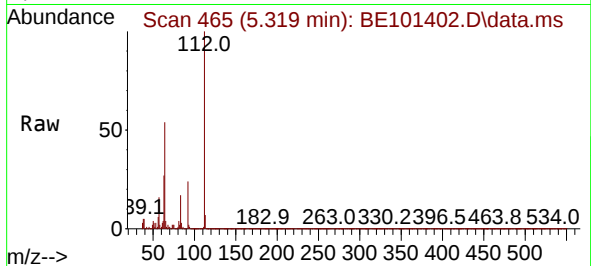
Tgt Ion: 42	Resp: 10707
Ion Ratio	Lower Upper
42	100
74	119.9 121.4 182.0#
44	22.6 5.6 8.4#





#5
2-Fluorophenol
Concen: 110.887 ng
RT: 5.319 min Scan# 40
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

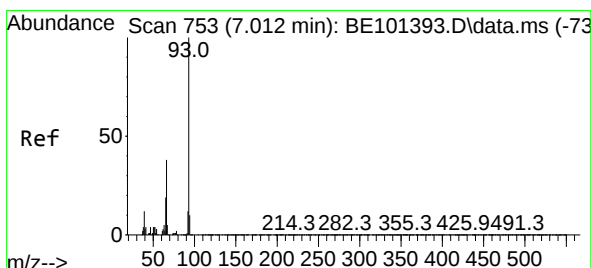
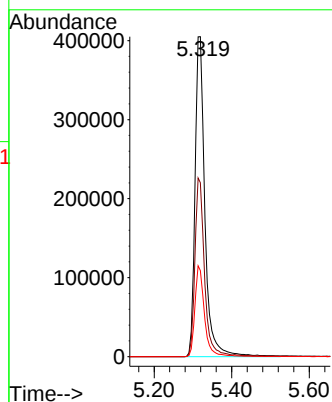
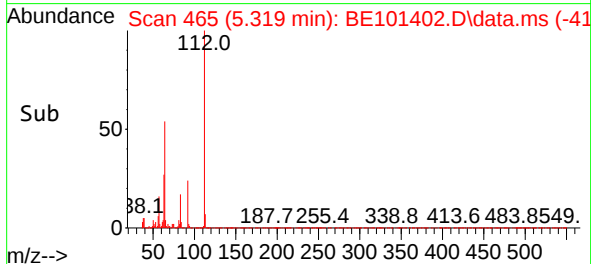
Instrument :
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LOQ-SOIL-02-QT4-2024



Tgt Ion:112 Resp: 71813
Ion Ratio Lower Upper
112 100
64 54.3 43.7 65.5
63 26.9 21.4 32.2

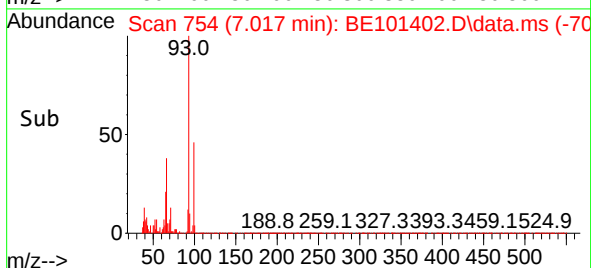
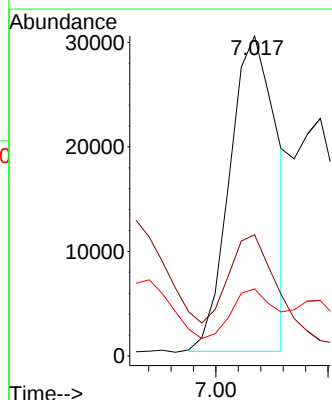
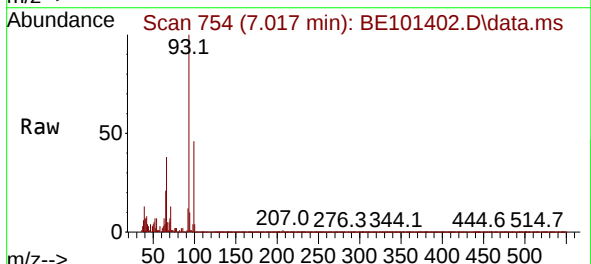
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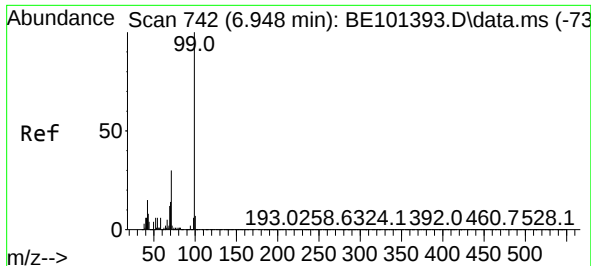
Reviewed By :Jagrut Upadhyay 10/30/2024
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#6
Aniline
Concen: 6.369 ng m
RT: 7.017 min Scan# 754
Delta R.T. 0.005 min
Lab File: BE101402.D
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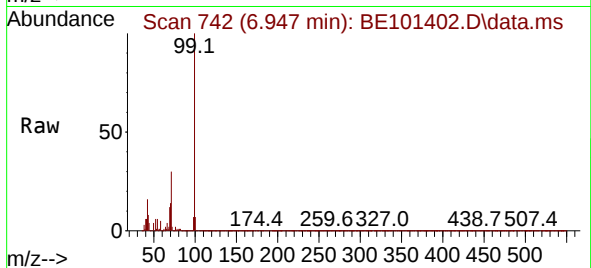
Tgt Ion: 93 Resp: 43830
Ion Ratio Lower Upper
93 100
66 37.9 31.0 46.4
65 20.9 15.5 23.3





#7
Phenol-d6
Concen: 112.161 ng
RT: 6.947 min Scan# 741
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

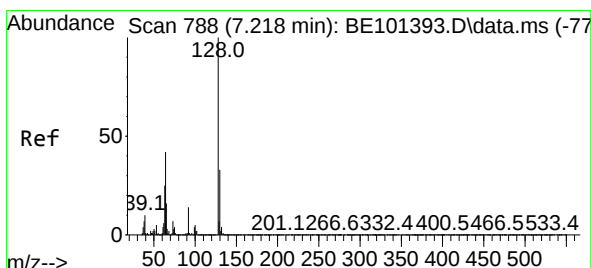
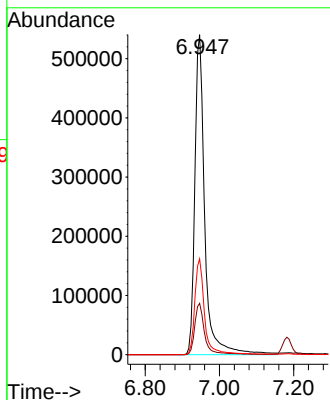
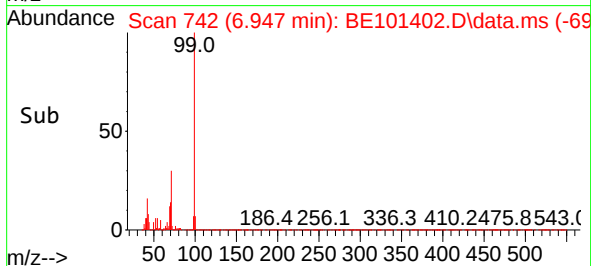
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 99 Resp: 1007200
Ion Ratio Lower Upper
99 100
42 16.1 12.3 18.5
71 30.0 23.8 35.8

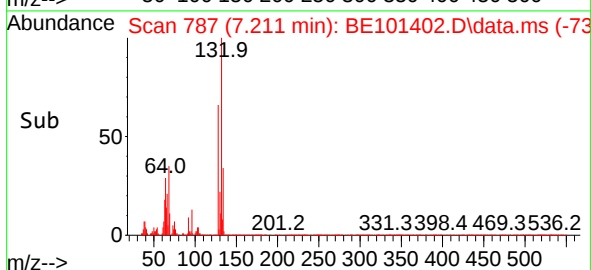
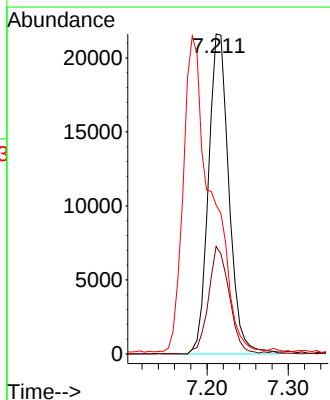
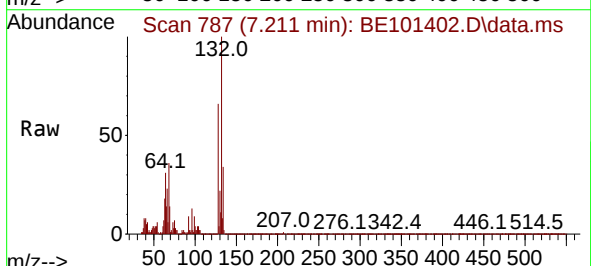
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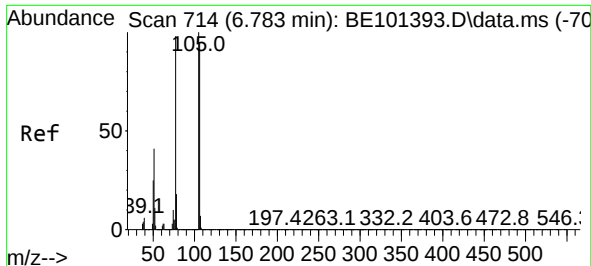
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#8
2-Chlorophenol
Concen: 4.882 ng
RT: 7.211 min Scan# 787
Delta R.T. -0.007 min
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Tgt Ion:128 Resp: 37919
Ion Ratio Lower Upper
128 100
130 33.6 12.9 52.9
64 46.5 22.3 62.3





#9

Benzaldehyde

Concen: 6.298 ng

RT: 6.788 min Scan# 714

Delta R.T. 0.005 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

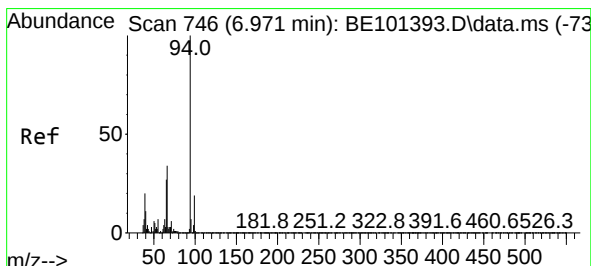
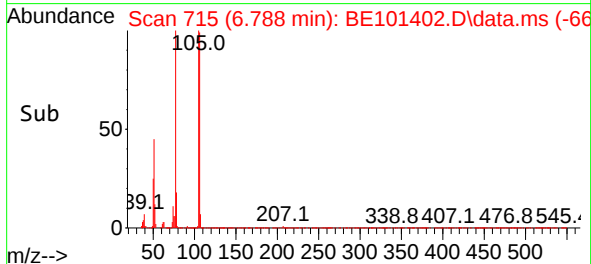
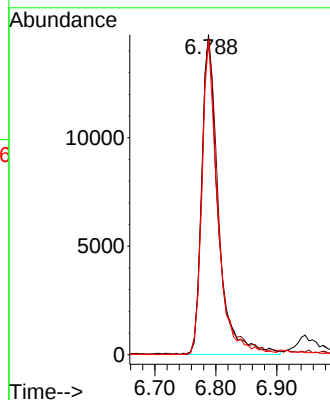
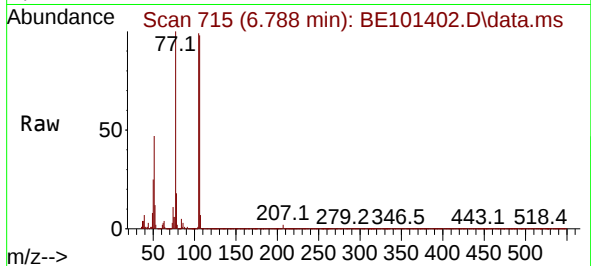
LOQ-SOIL-02-QT4-2024

Tgt Ion: 77	Resp: 2730
Ion Ratio	Lower Upper
77 100	
105 99.1	81.9 121.9
106 98.4	76.5 116.5

Manual Integrations

APPROVED

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



#10

Phenol

Concen: 5.089 ng

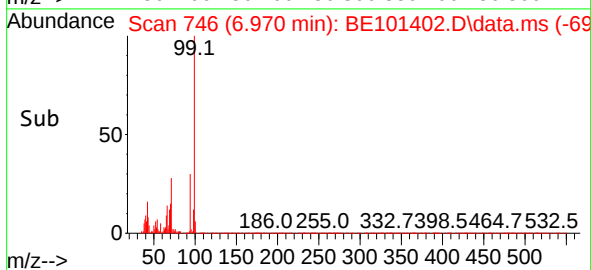
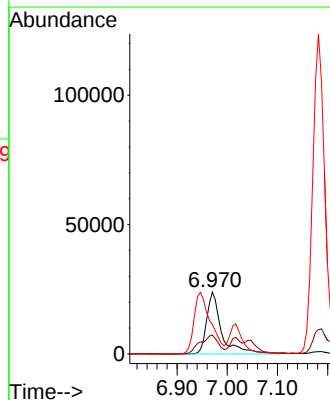
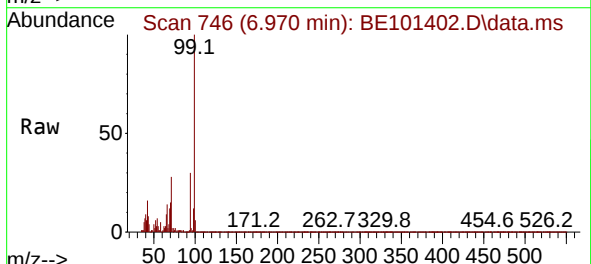
RT: 6.970 min Scan# 746

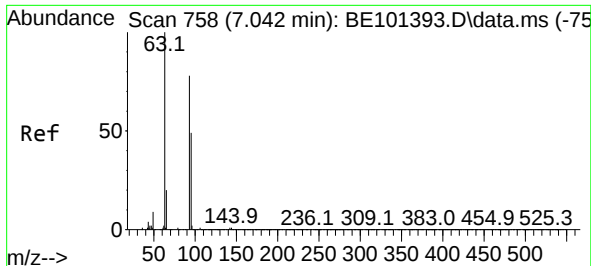
Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

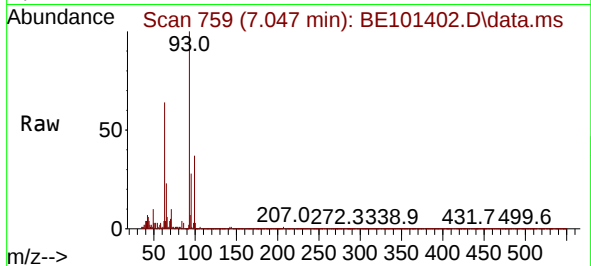
Tgt Ion: 94	Resp: 49587
Ion Ratio	Lower Upper
94 100	
65 30.4	6.8 46.8
66 47.5	14.0 54.0





#11
bis(2-Chloroethyl)ether
Concen: 4.081 ng m
RT: 7.047 min Scan# 758
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

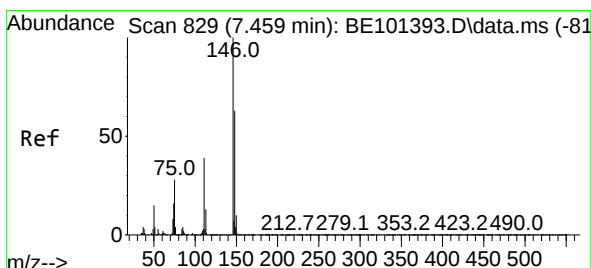
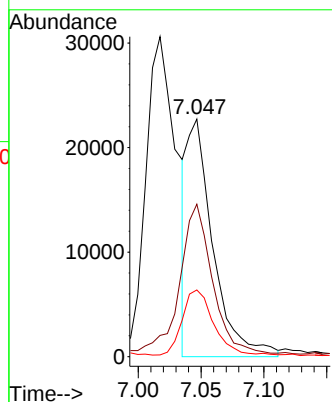
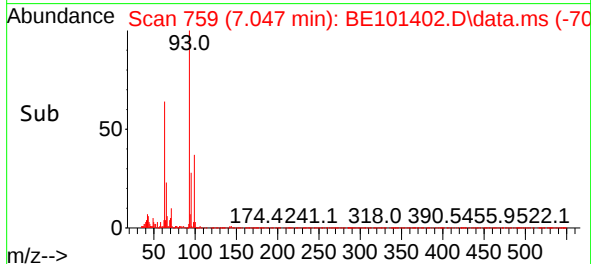
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 93 Resp: 32618
Ion Ratio Lower Upper
93 100
63 64.2 46.3 86.3
95 28.1 9.6 49.6

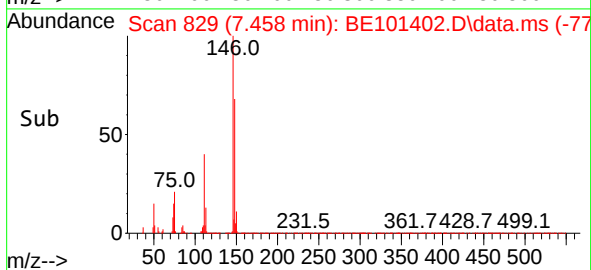
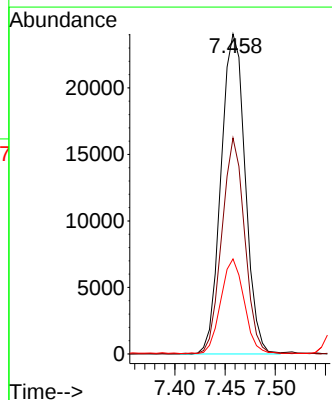
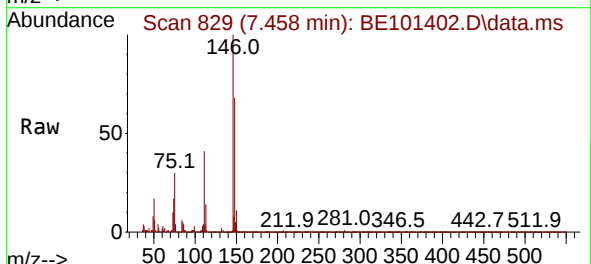
Manual Integrations
APPROVED

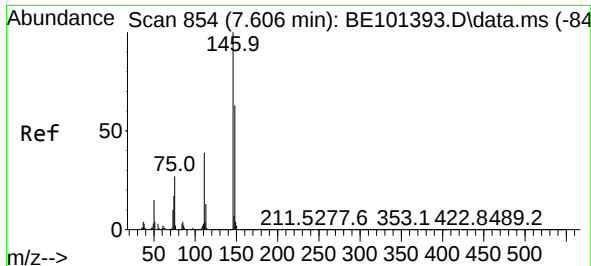
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#12
1,3-Dichlorobenzene
Concen: 4.811 ng
RT: 7.458 min Scan# 829
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:146 Resp: 40300
Ion Ratio Lower Upper
146 100
148 67.5 50.5 75.7
75 29.7 22.0 33.0





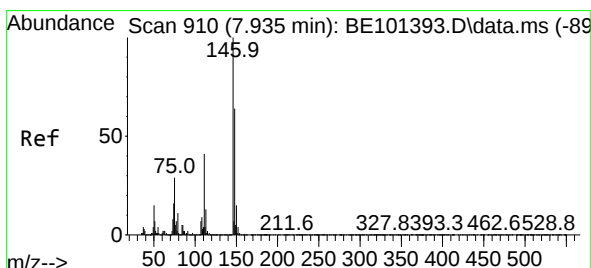
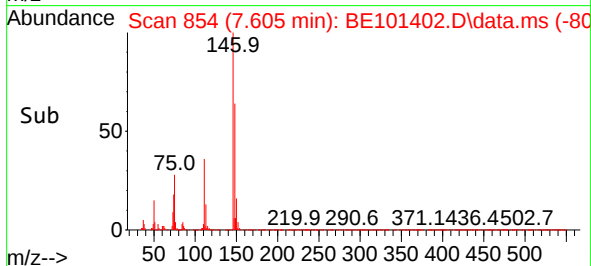
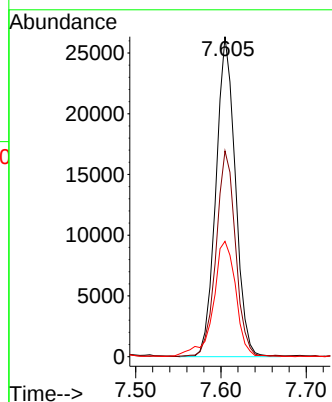
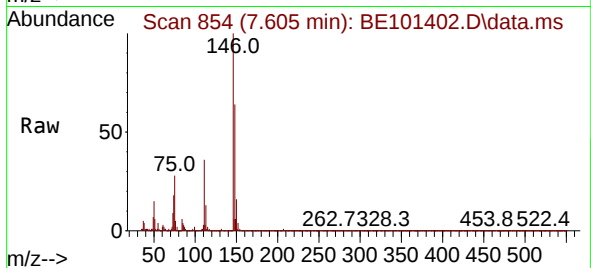
#13
1,4-Dichlorobenzene
Concen: 4.885 ng
RT: 7.605 min Scan# 854
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:146 Resp: 41779
Ion Ratio Lower Upper
146 100
148 64.3 50.2 75.2
111 36.1 31.6 47.4

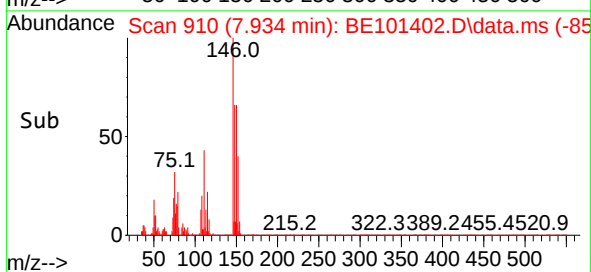
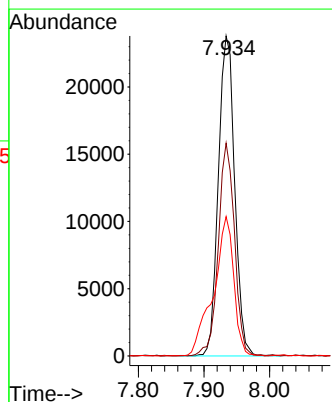
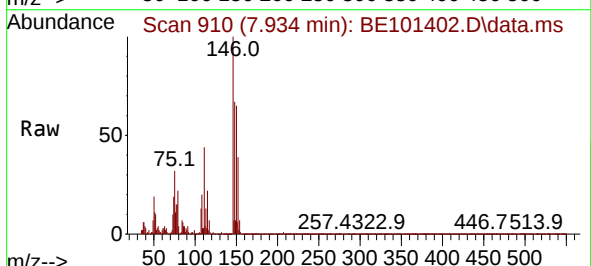
Manual Integrations
APPROVED

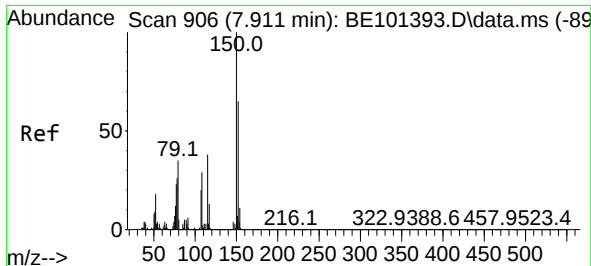
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#14
1,2-Dichlorobenzene
Concen: 4.887 ng
RT: 7.934 min Scan# 910
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

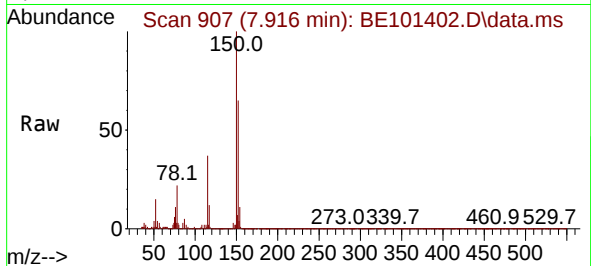
Tgt Ion:146 Resp: 40916
Ion Ratio Lower Upper
146 100
148 66.5 51.4 77.2
111 43.6 32.8 49.2





#15
Benzyl Alcohol
Concen: 5.337 ng
RT: 7.916 min Scan# 906
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

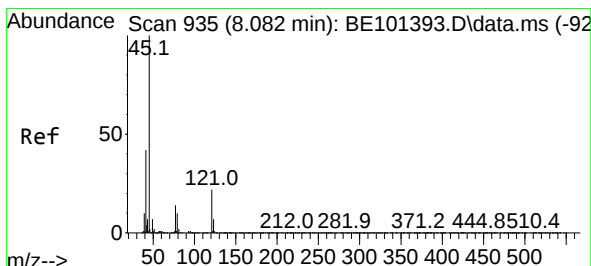
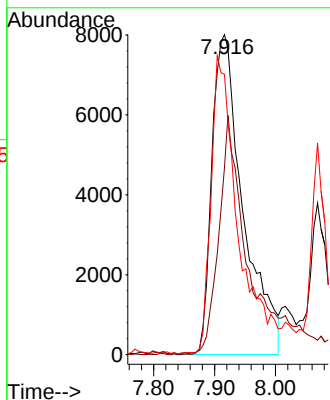
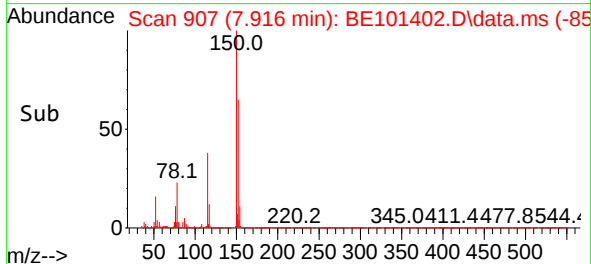
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 79 Resp: 2856
Ion Ratio Lower Upper
79 100
108 58.4 66.1 99.1
77 87.6 53.1 79.7

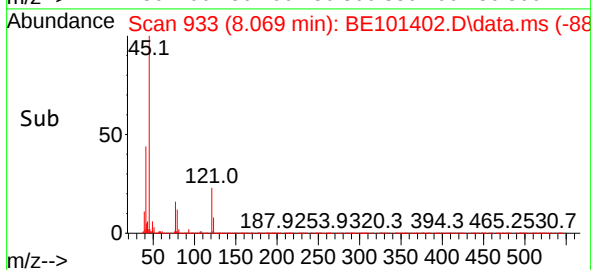
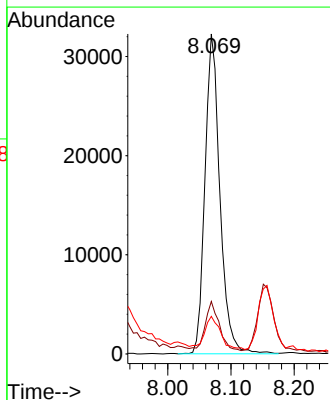
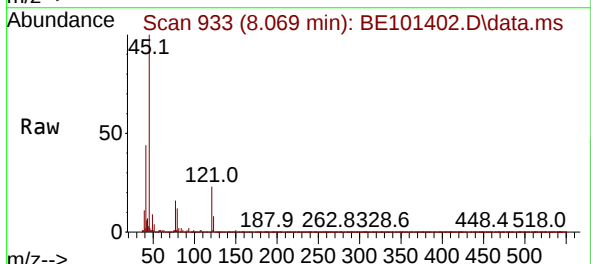
Manual Integrations
APPROVED

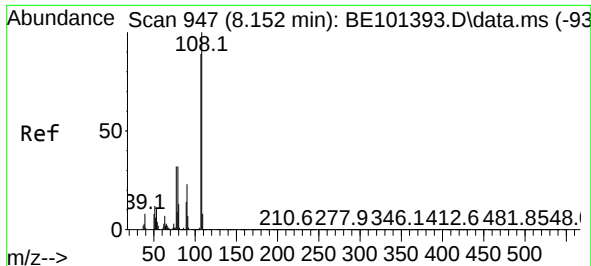
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.268 ng
RT: 8.069 min Scan# 933
Delta R.T. -0.013 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

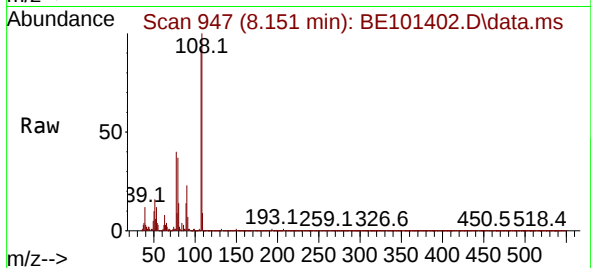
Tgt Ion: 45 Resp: 52994
Ion Ratio Lower Upper
45 100
77 16.4 0.0 34.5
79 11.8 0.0 31.8





#17
2-Methylphenol
Concen: 4.271 ng
RT: 8.151 min Scan# 947
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

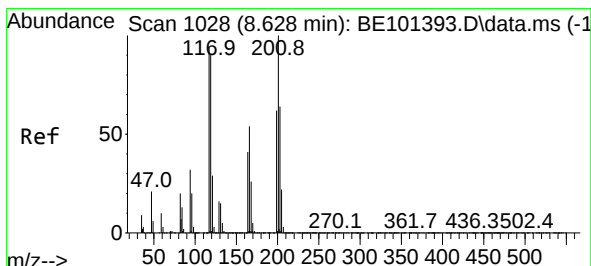
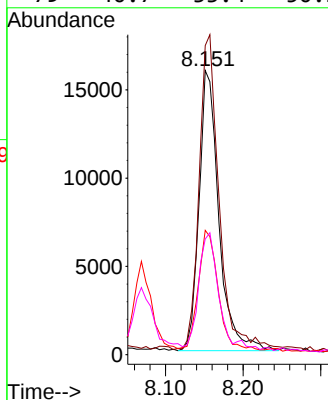
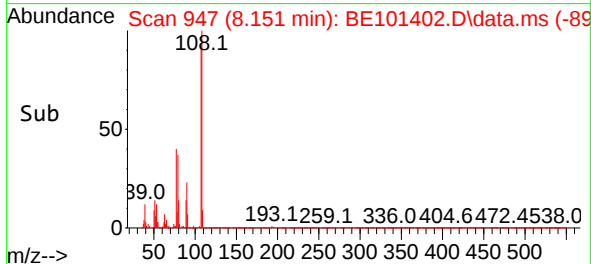
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion	Ratio	Lower	Upper
107	100		
108	108.8	90.0	135.0
77	43.7	34.2	51.4
79	40.7	33.4	50.2

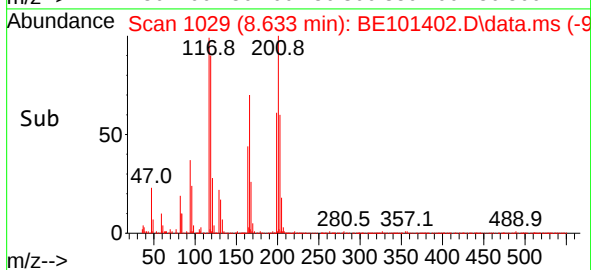
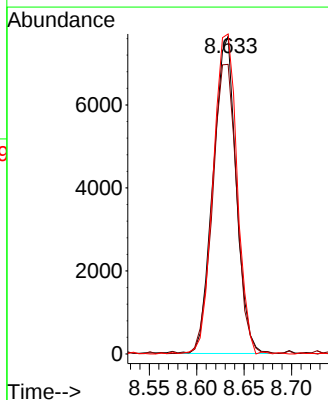
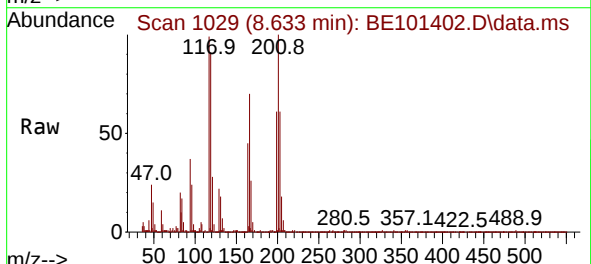
Manual Integrations
APPROVED

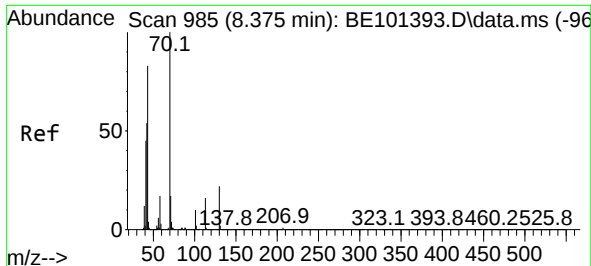
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#18
Hexachloroethane
Concen: 4.628 ng
RT: 8.633 min Scan# 1029
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

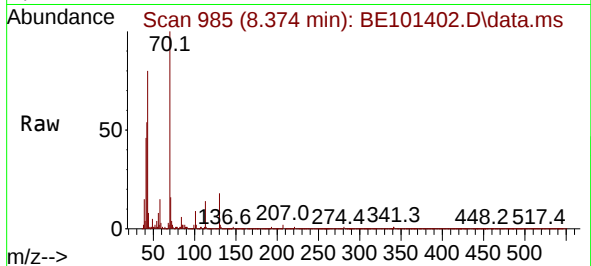
Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	77.0	115.4
201	102.8	85.3	127.9





#19
n-Nitroso-di-n-propylamine
Concen: 4.714 ng
RT: 8.374 min Scan# 985
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

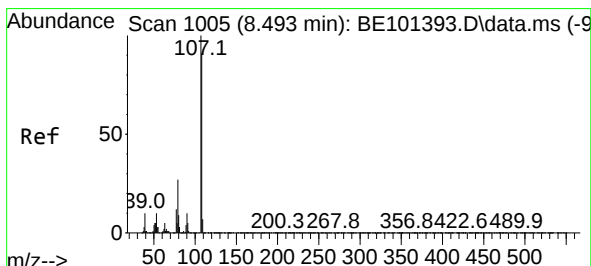
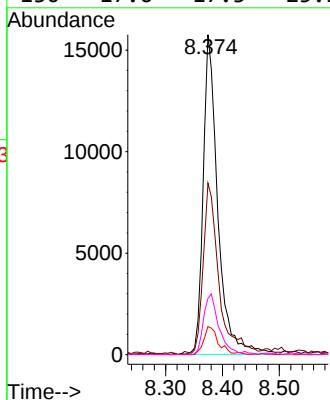
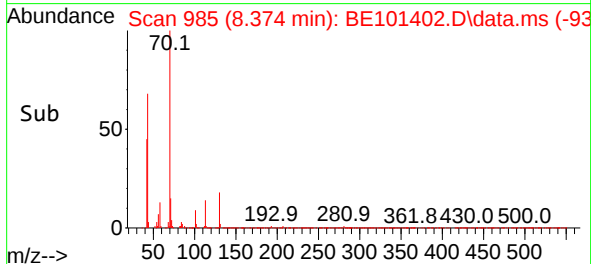
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



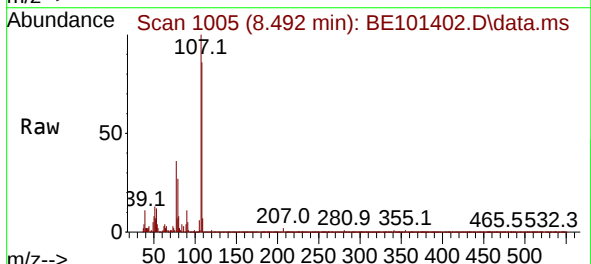
Tgt Ion: 70 Resp: 2809
Ion Ratio Lower Upper
70 100
42 53.6 43.4 65.0
101 8.8 8.1 12.1
130 17.6 17.3 25.9

Manual Integrations
APPROVED

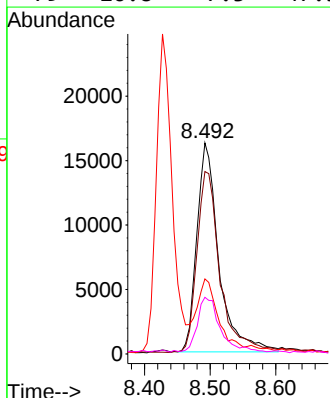
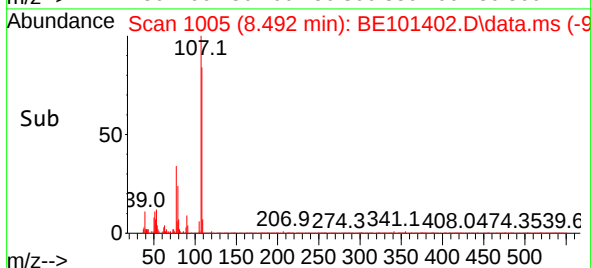
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

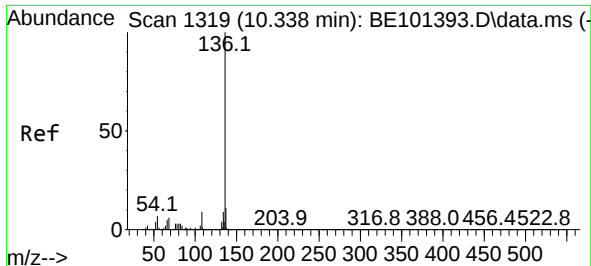


#20
3+4-Methylphenols
Concen: 4.155 ng
RT: 8.492 min Scan# 1005
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



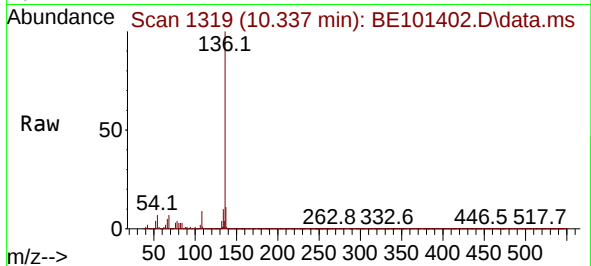
Tgt Ion:107 Resp: 37825
Ion Ratio Lower Upper
107 100
108 86.4 70.6 110.6
77 35.6 11.3 51.3
79 26.8 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

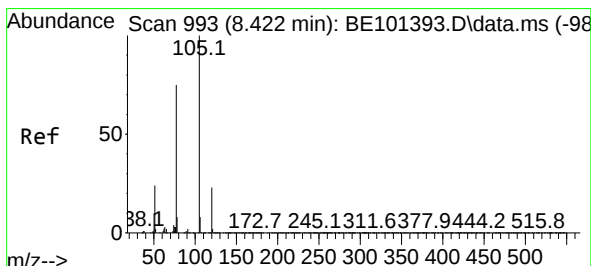
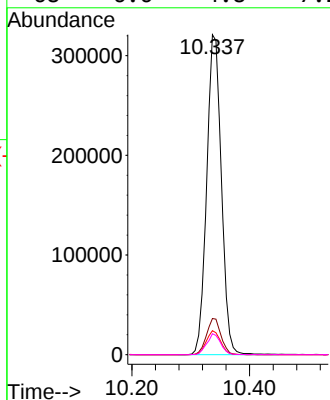
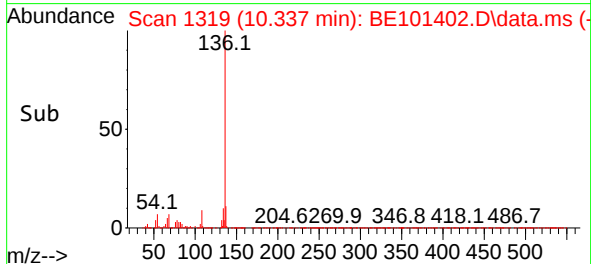


Tgt Ion:136 Resp: 556352

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	7.5	5.9	8.9
68	6.6	4.8	7.2

Manual Integrations
APPROVED

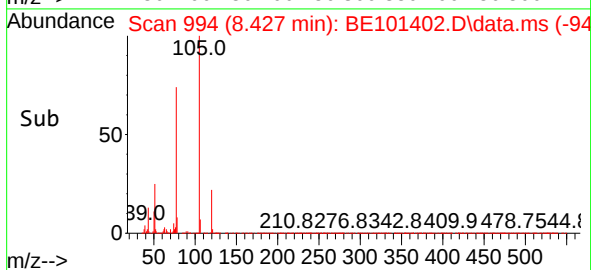
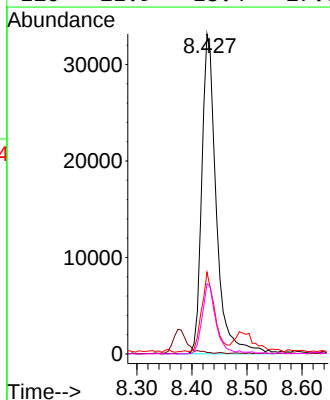
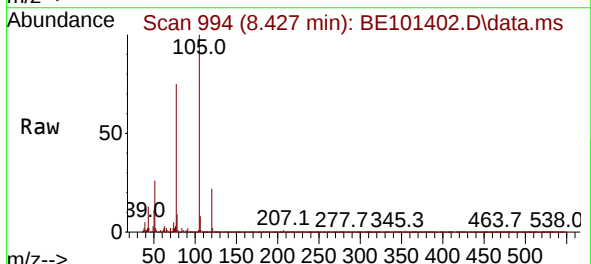
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

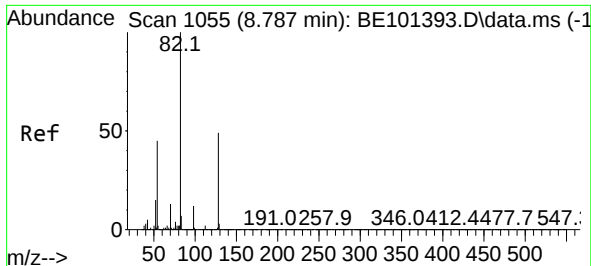


#22
Acetophenone
Concen: 4.824 ng
RT: 8.427 min Scan# 994
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:105 Resp: 60939

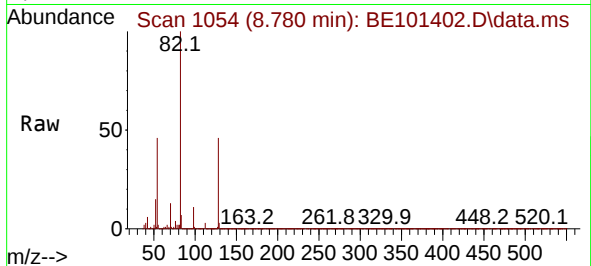
Ion	Ratio	Lower	Upper
105	100		
71	0.4	0.1	0.1
51	25.6	19.4	29.0
120	21.9	18.4	27.6





#23
Nitrobenzene-d5
Concen: 80.669 ng
RT: 8.780 min Scan# 1055
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

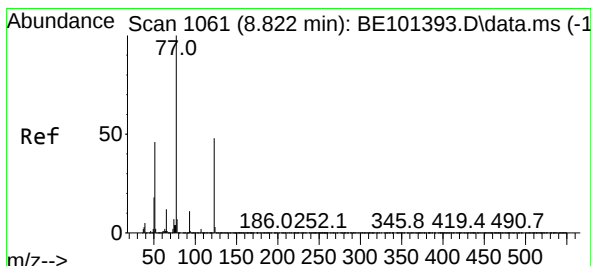
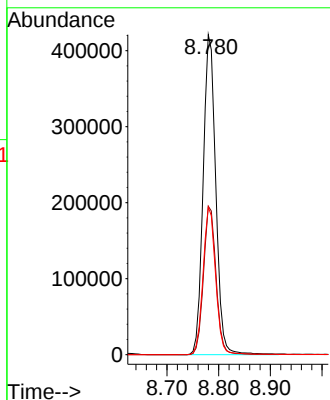
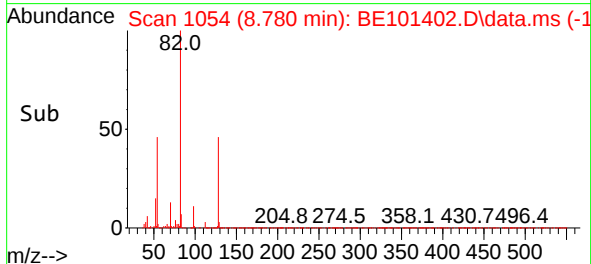
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 71455
Ion Ratio Lower Upper
82 100
128 46.4 38.9 58.3
54 46.2 36.2 54.4

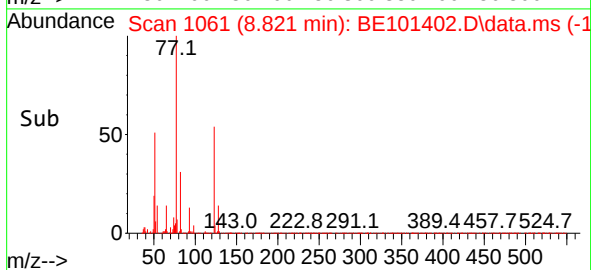
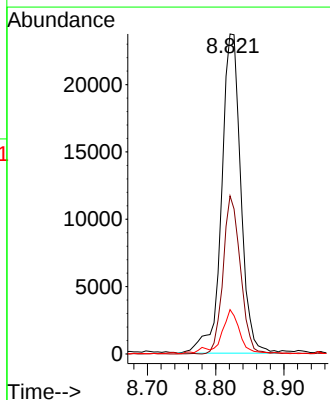
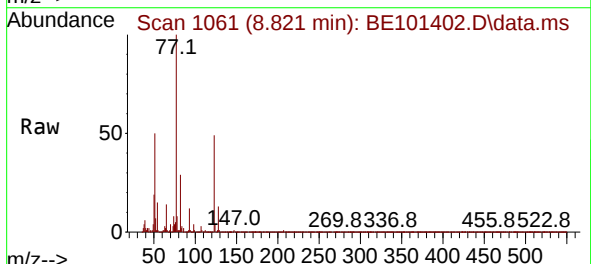
Manual Integrations
APPROVED

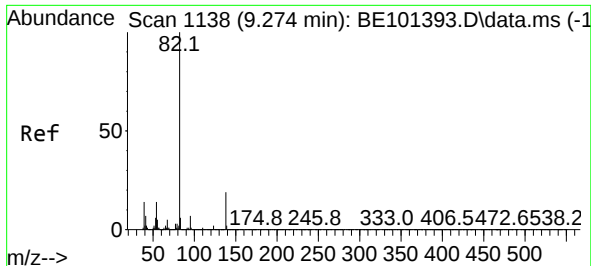
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#24
Nitrobenzene
Concen: 4.937 ng
RT: 8.821 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 77 Resp: 46549
Ion Ratio Lower Upper
77 100
123 49.4 38.7 58.1
65 13.8 10.0 15.0





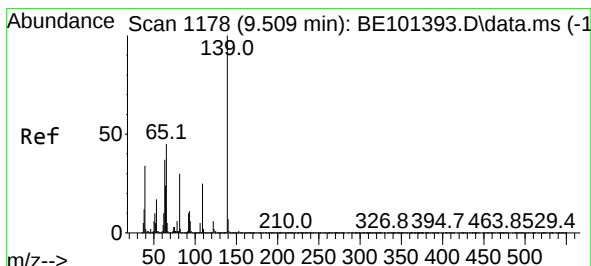
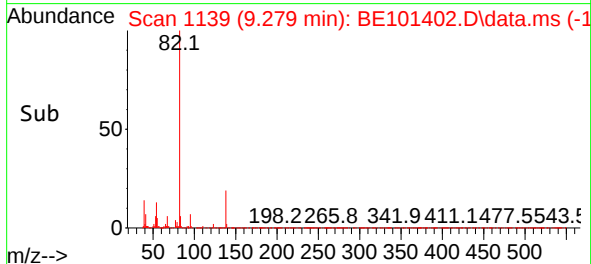
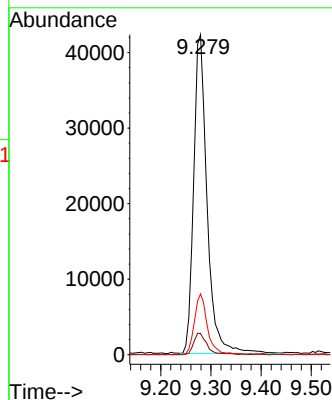
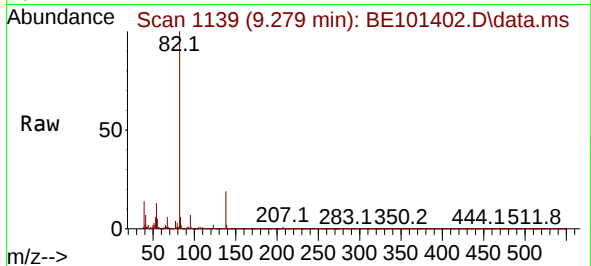
#25
Isophorone
Concen: 4.516 ng
RT: 9.279 min Scan# 1138
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 82 Resp: 7805
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 19.0 15.0 22.4

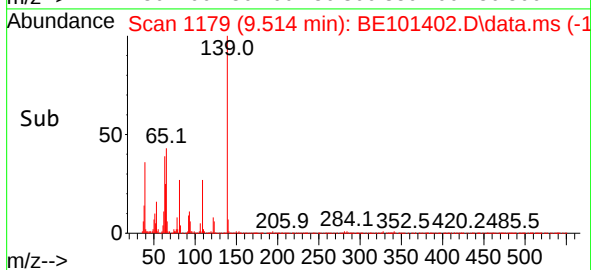
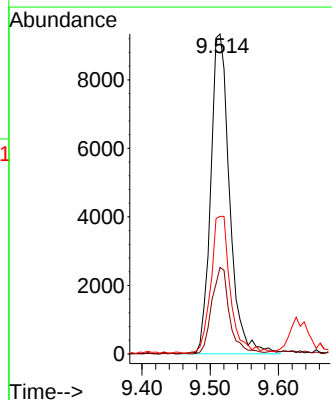
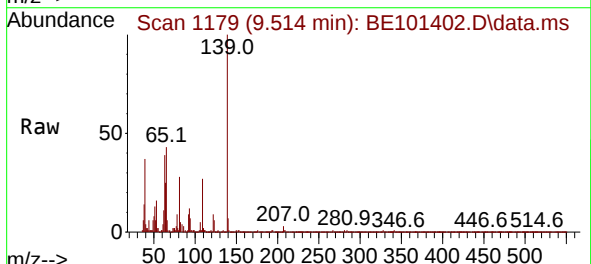
Manual Integrations
APPROVED

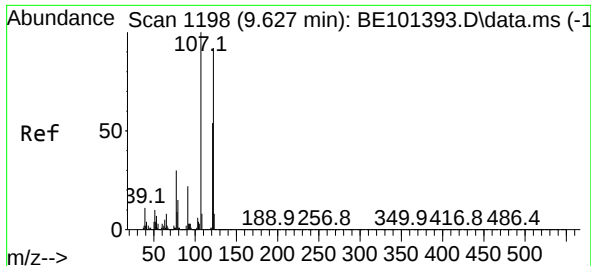
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#26
2-Nitrophenol
Concen: 3.954 ng
RT: 9.514 min Scan# 1179
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

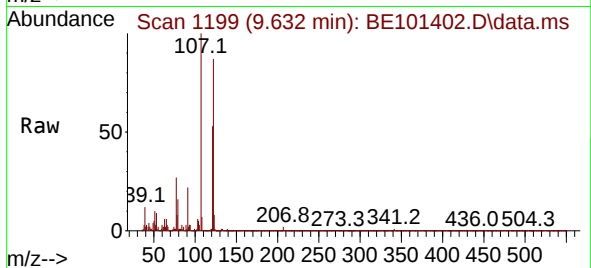
Tgt Ion:139 Resp: 18016
Ion Ratio Lower Upper
139 100
109 27.0 20.1 30.1
65 43.0 36.0 54.0





#27
2,4-Dimethylphenol
Concen: 3.797 ng
RT: 9.632 min Scan# 1199
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

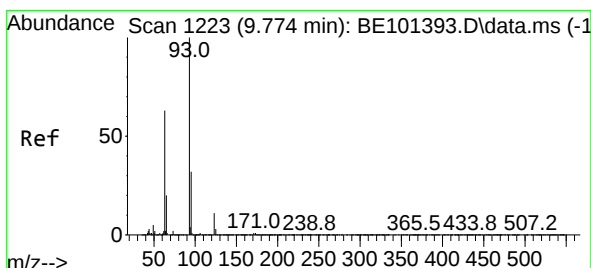
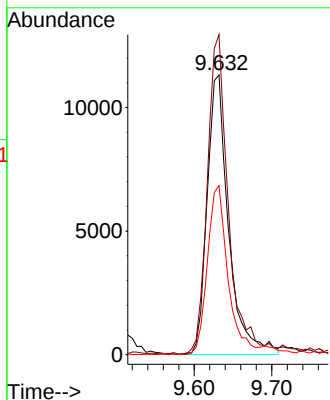
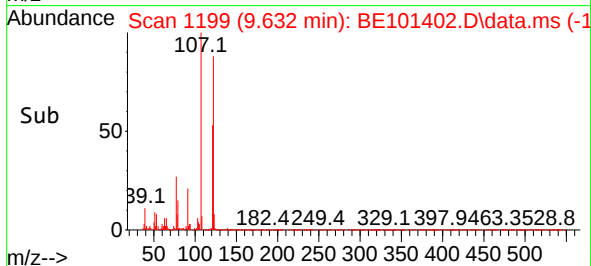
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



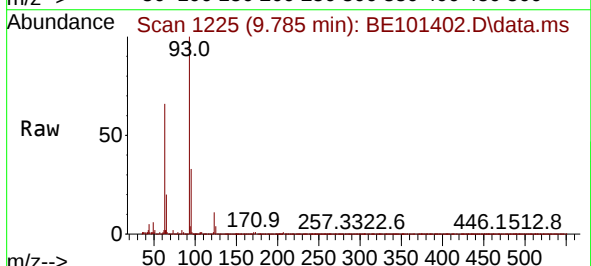
Tgt Ion: 122 Resp: 21772
Ion Ratio Lower Upper
122 100
107 114.4 87.4 131.0
121 60.5 47.4 71.0

Manual Integrations
APPROVED

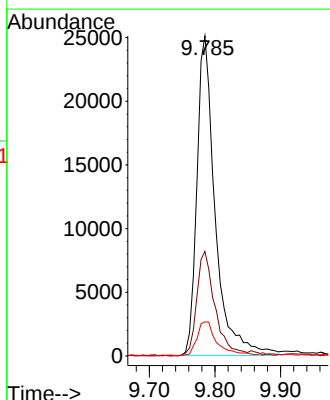
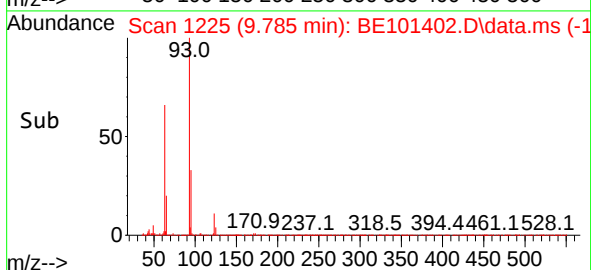
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

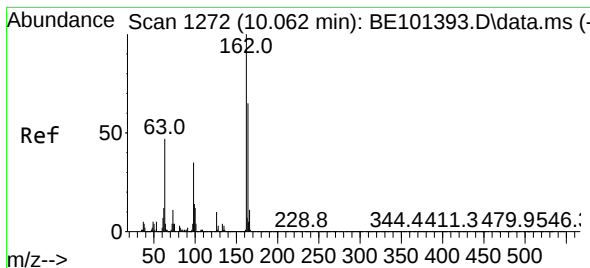


#28
bis(2-Chloroethoxy)methane
Concen: 4.645 ng
RT: 9.785 min Scan# 1225
Delta R.T. 0.011 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



Tgt Ion: 93 Resp: 48690
Ion Ratio Lower Upper
93 100
95 32.7 25.8 38.6
123 10.7 8.6 13.0





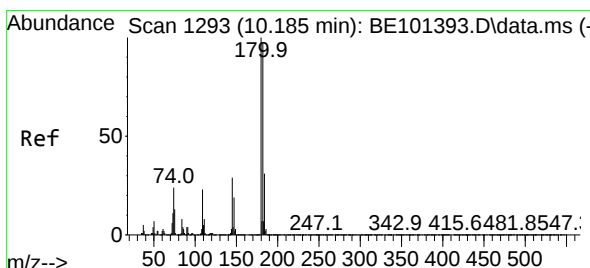
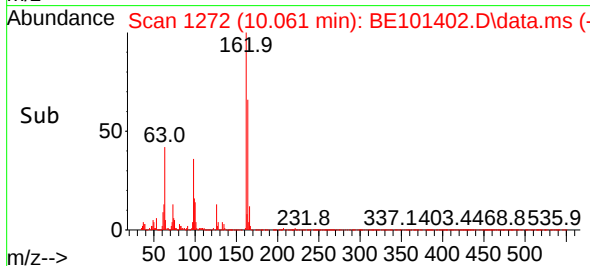
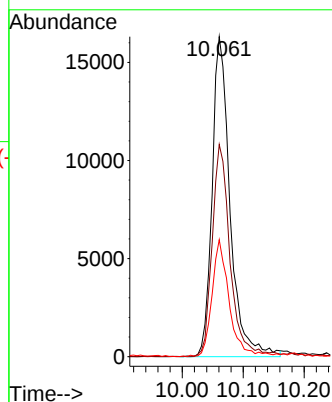
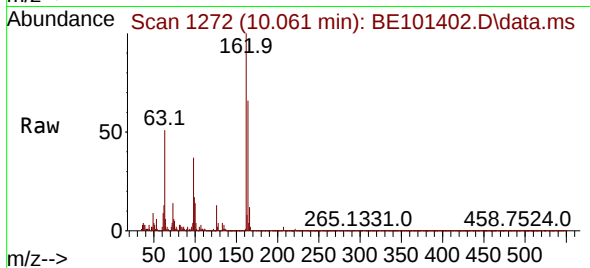
#29
2,4-Dichlorophenol
Concen: 4.208 ng
RT: 10.061 min Scan# 1272
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:162 Resp: 3338
Ion Ratio Lower Upper
162 100
164 66.3 45.4 85.4
98 36.6 14.5 54.5

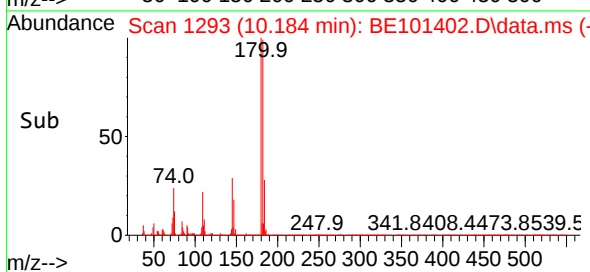
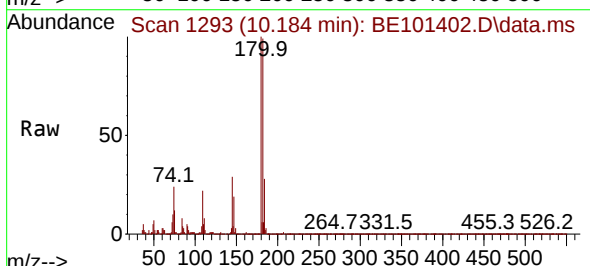
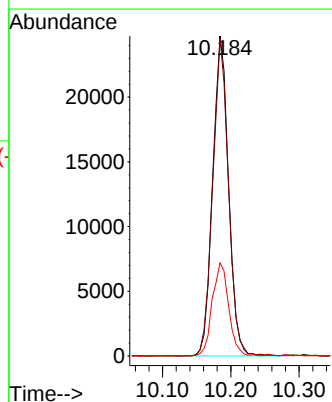
Manual Integrations
APPROVED

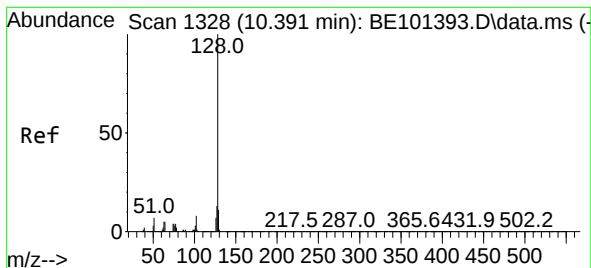
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#30
1,2,4-Trichlorobenzene
Concen: 4.636 ng
RT: 10.184 min Scan# 1293
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

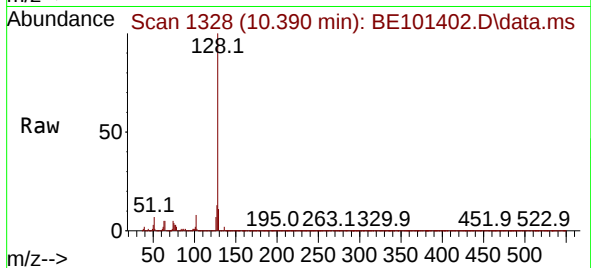
Tgt Ion:180 Resp: 40058
Ion Ratio Lower Upper
180 100
182 99.2 77.4 116.0
145 29.1 23.3 34.9





#31
Naphthalene
Concen: 4.868 ng
RT: 10.390 min Scan# 11
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

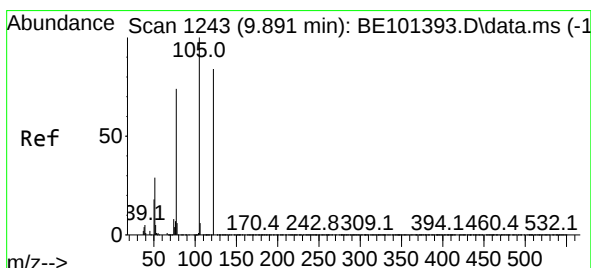
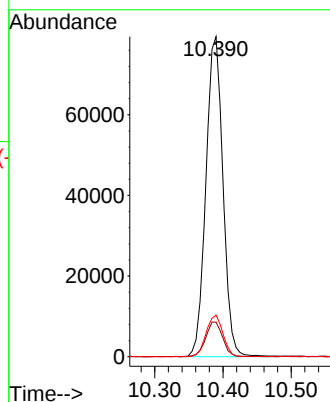
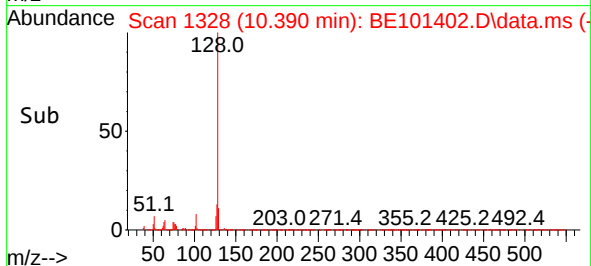
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:128 Resp: 138015
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.0 10.3 15.5

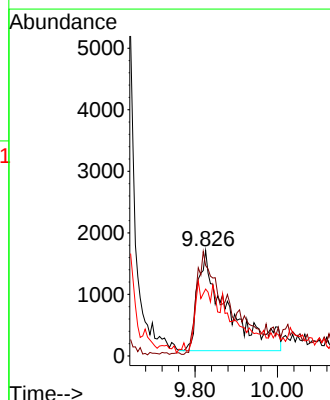
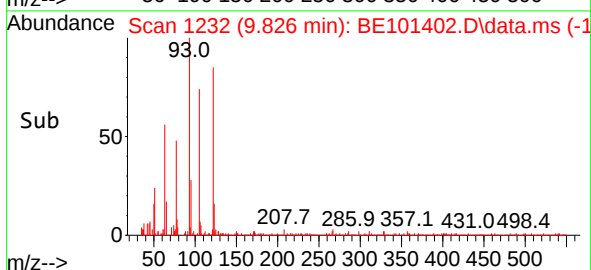
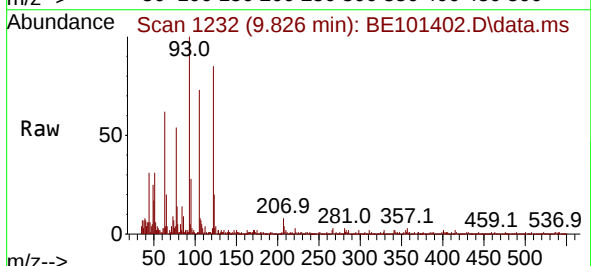
Manual Integrations
APPROVED

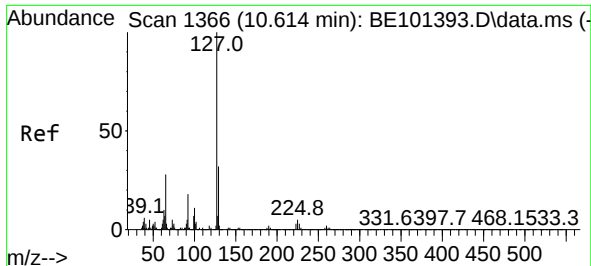
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#32
Benzoic acid
Concen: 9.372 ng m
RT: 9.826 min Scan# 1232
Delta R.T. -0.065 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:122 Resp: 8231
Ion Ratio Lower Upper
122 100
105 85.7 97.9 137.9#
77 63.4 68.1 108.1#





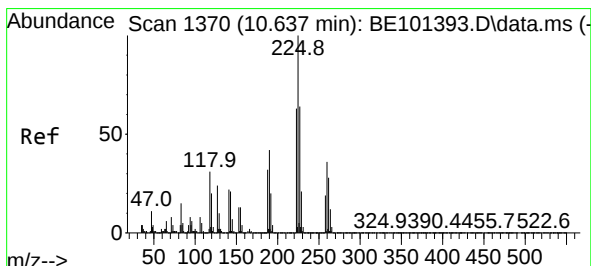
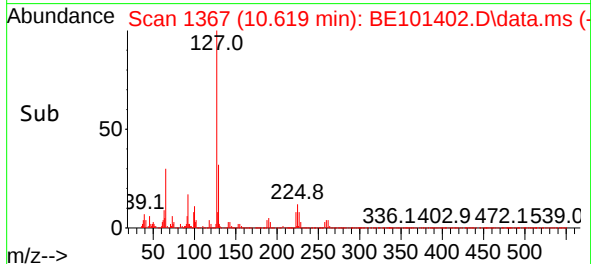
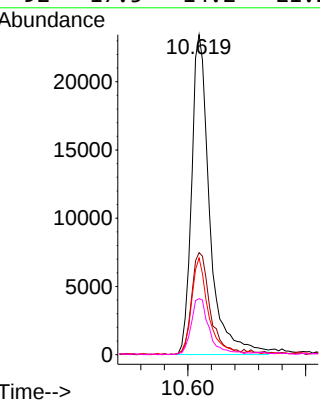
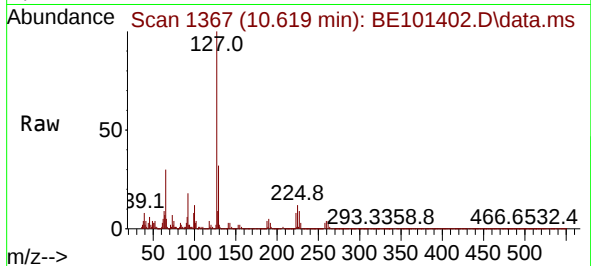
#33
4-Chloroaniline
Concen: 5.072 ng
RT: 10.619 min Scan# 1366
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:	127	Resp:	5000
Ion Ratio	Lower	Upper	
127	100		
129	31.9	25.7	38.5
65	30.2	22.2	33.4
92	17.5	14.2	21.2

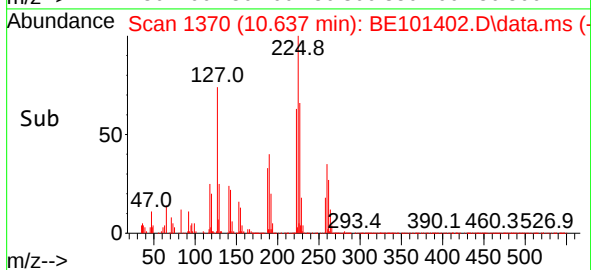
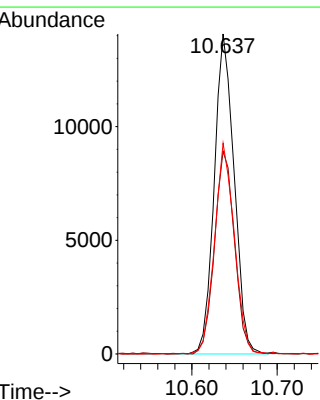
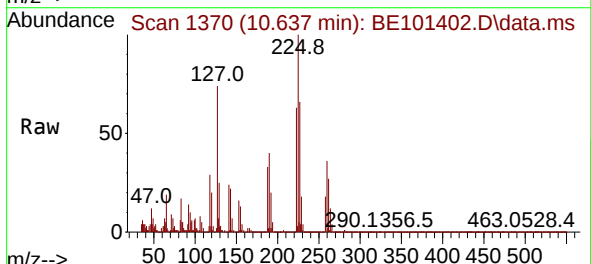
Manual Integrations
APPROVED

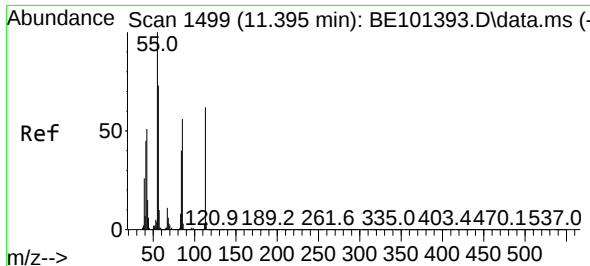
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#34
Hexachlorobutadiene
Concen: 4.462 ng
RT: 10.637 min Scan# 1370
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

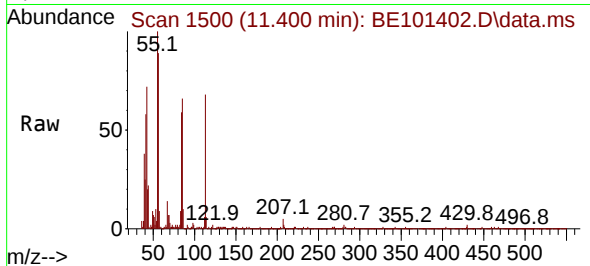
Tgt Ion:	225	Resp:	22825
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.5	75.7
227	65.8	51.0	76.6





#35
Caprolactam
Concen: 3.925 ng m
RT: 11.400 min Scan# 113
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

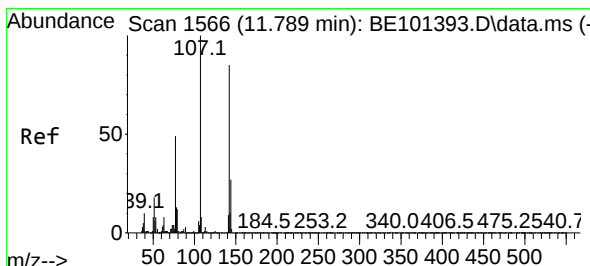
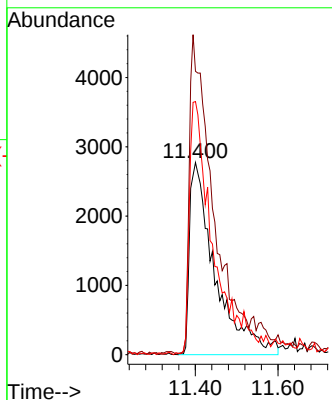
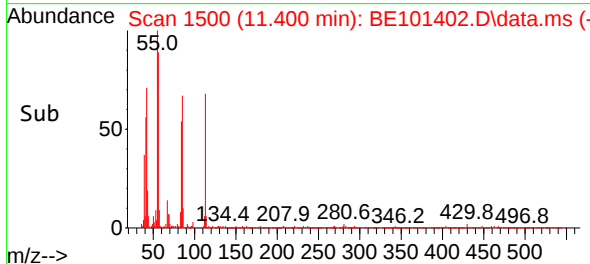
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



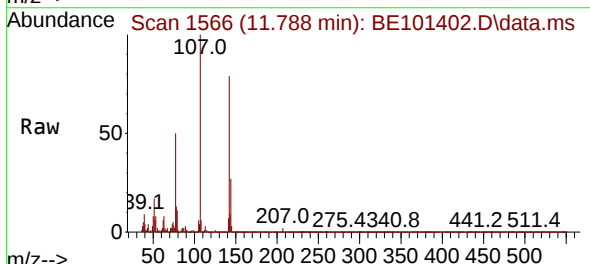
Tgt Ion:113 Resp: 11930
Ion Ratio Lower Upper
113 100
55 147.5 141.2 181.2
56 131.7 96.9 136.9

Manual Integrations
APPROVED

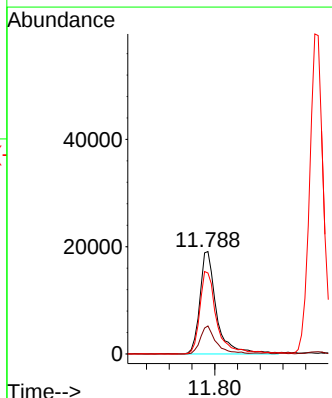
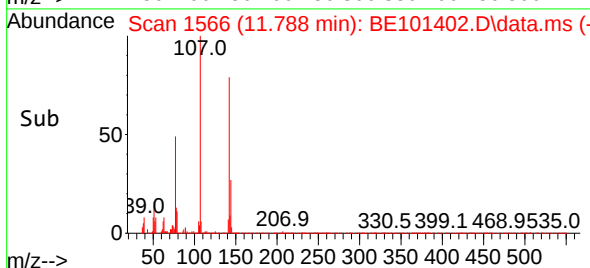
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

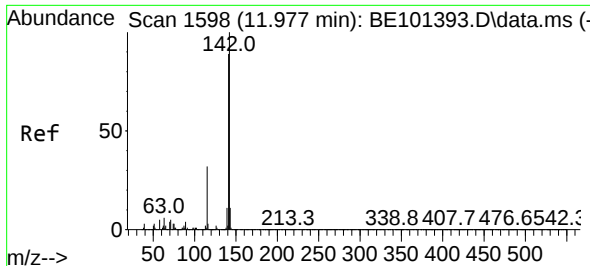


#36
4-Chloro-3-methylphenol
Concen: 4.297 ng
RT: 11.788 min Scan# 1566
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



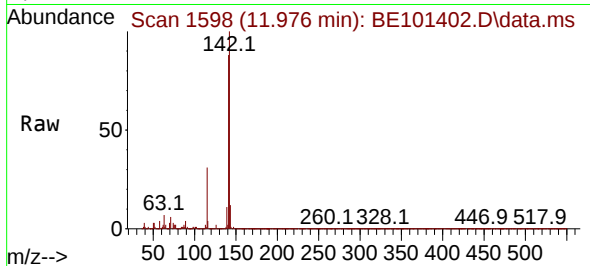
Tgt Ion:107 Resp: 38811
Ion Ratio Lower Upper
107 100
144 27.3 21.9 32.9
142 79.2 68.0 102.0





#37
2-Methylnaphthalene
Concen: 4.859 ng
RT: 11.976 min Scan# 1598
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

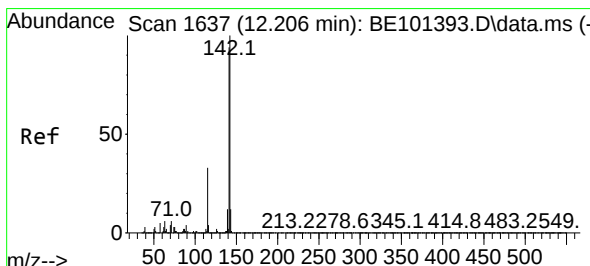
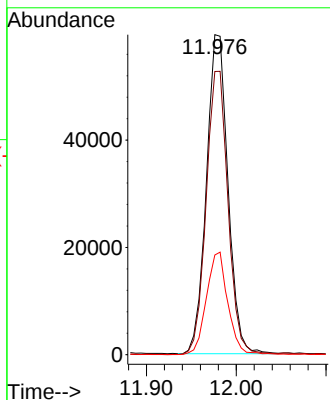
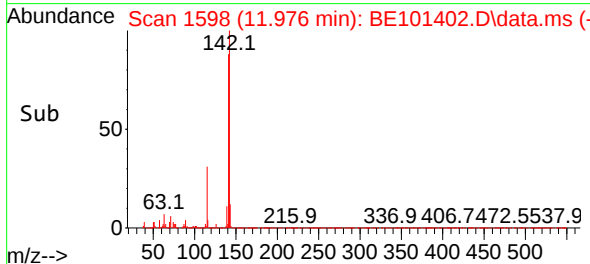
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



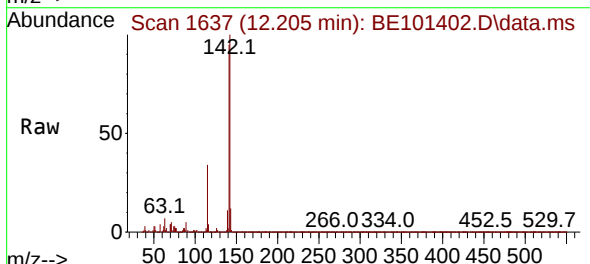
Tgt Ion:142 Resp: 99239
Ion Ratio Lower Upper
142 100
141 88.5 71.4 107.2
115 31.2 25.6 38.4

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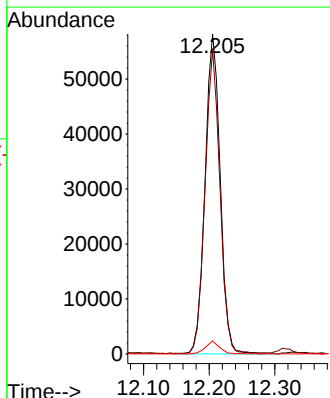
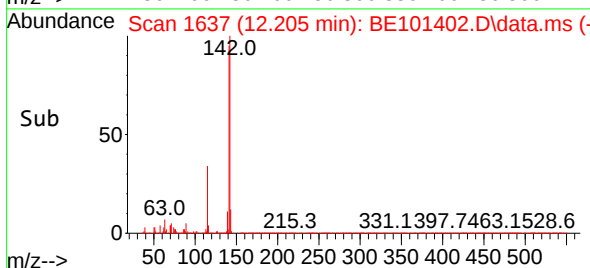
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

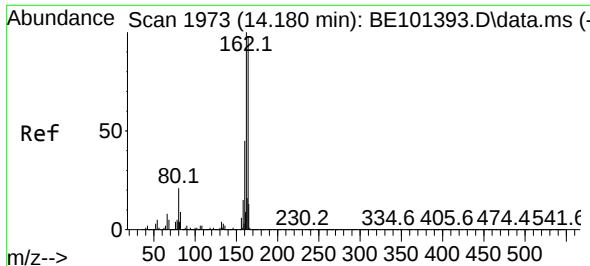


#38
1-Methylnaphthalene
Concen: 4.604 ng
RT: 12.205 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



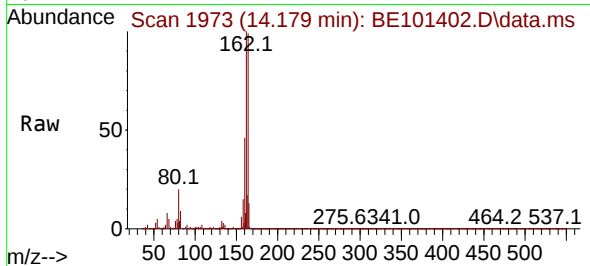
Tgt Ion:142 Resp: 93845
Ion Ratio Lower Upper
142 100
141 95.1 75.0 112.4
116 4.1 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.179 min Scan# 1973
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

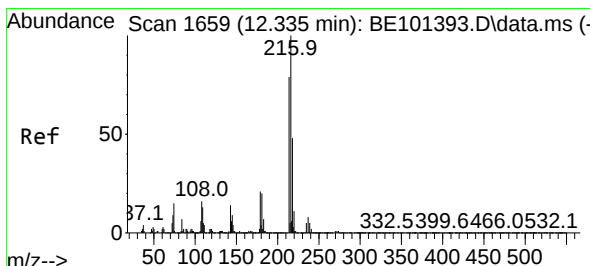
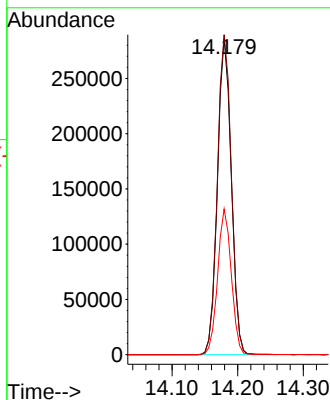
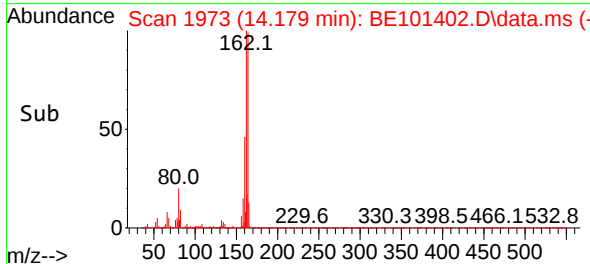
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



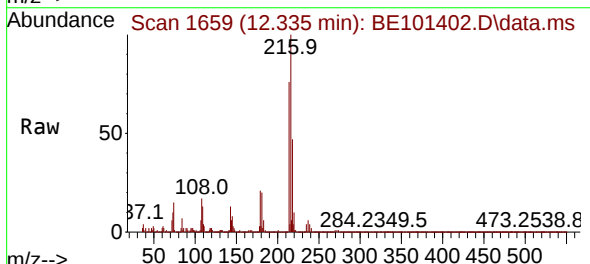
Tgt Ion:164 Resp: 415788
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 46.1 36.4 54.6

Manual Integrations
APPROVED

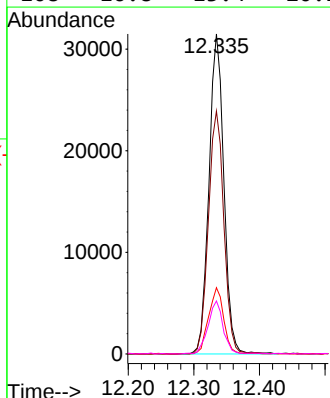
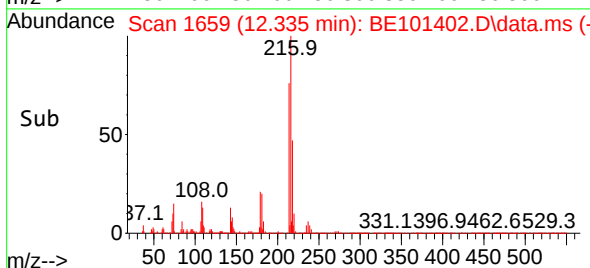
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

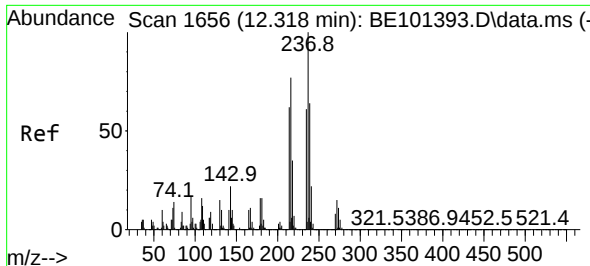


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.758 ng
RT: 12.335 min Scan# 1659
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



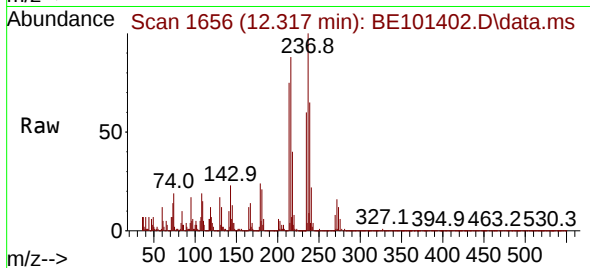
Tgt Ion:216 Resp: 49665
Ion Ratio Lower Upper
216 100
214 78.5 63.0 94.4
179 21.0 16.7 25.1
108 16.8 13.4 20.2





#41
Hexachlorocyclopentadiene
Concen: 4.102 ng
RT: 12.317 min Scan# 10
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

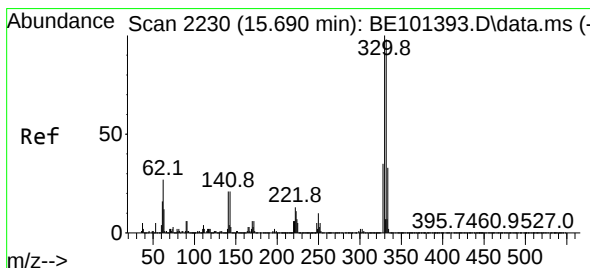
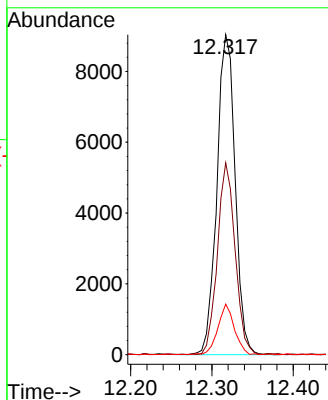
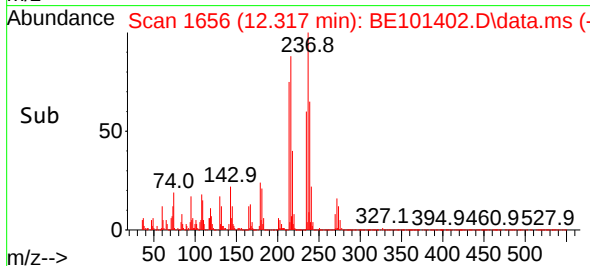
Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



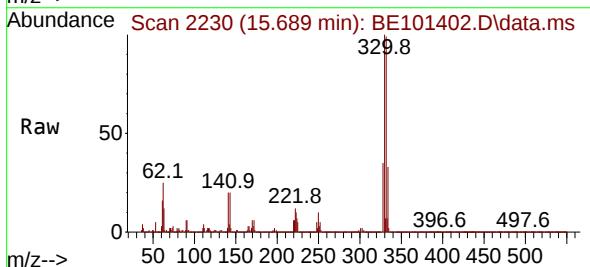
Tgt Ion: 237 Resp: 14140
Ion Ratio Lower Upper
237 100
235 60.0 41.3 81.3
272 15.8 0.0 34.6

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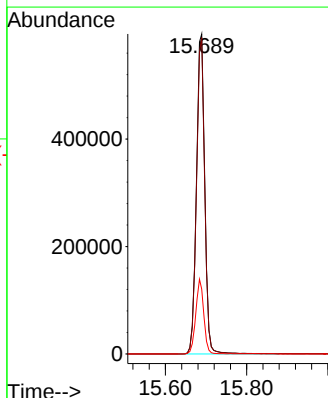
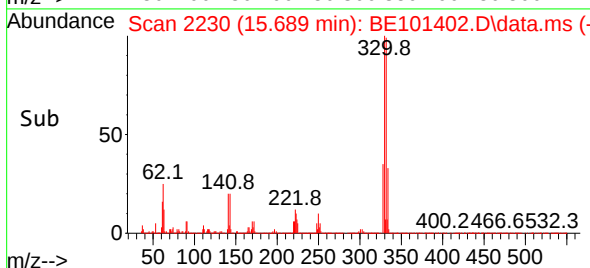
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

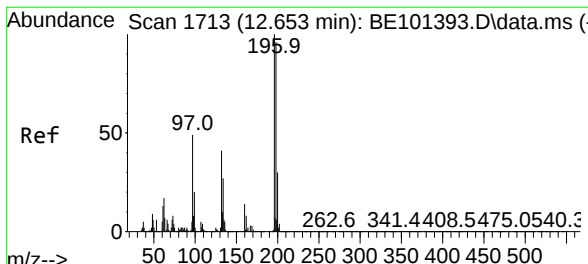


#42
2,4,6-Tribromophenol
Concen: 117.478 ng
RT: 15.689 min Scan# 2230
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



Tgt Ion: 330 Resp: 856111
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.2
141 22.4 18.3 27.5





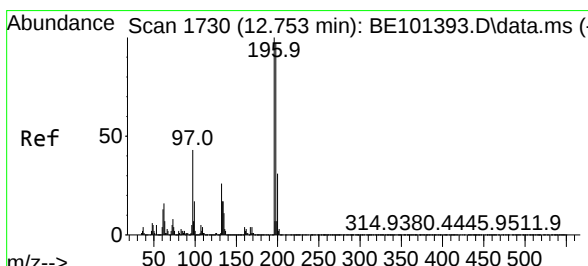
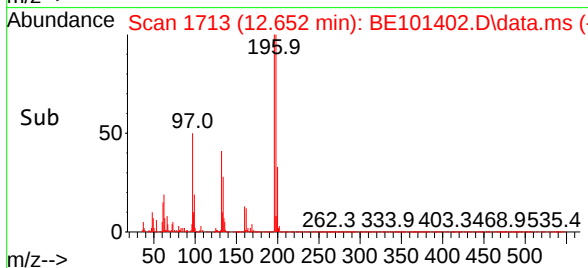
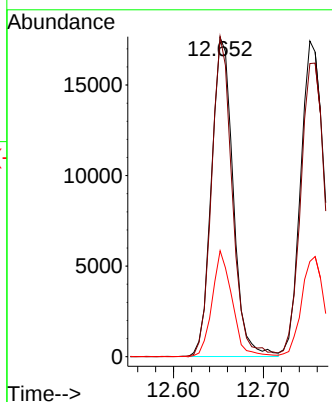
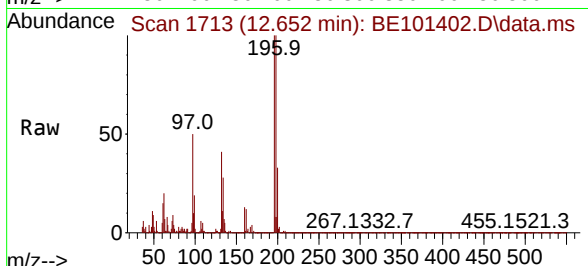
#43
2,4,6-Trichlorophenol
Concen: 4.096 ng
RT: 12.652 min Scan# 1713
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:196	Resp:	2947
Ion Ratio	Lower	Upper
196	100	
198	100.2	76.6 115.0
200	33.2	24.1 36.1

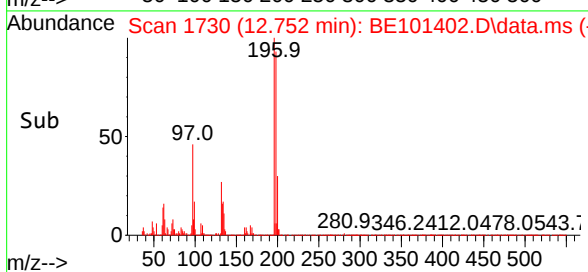
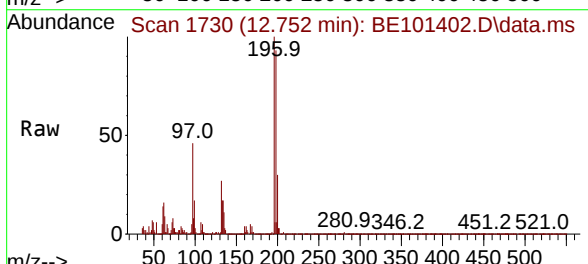
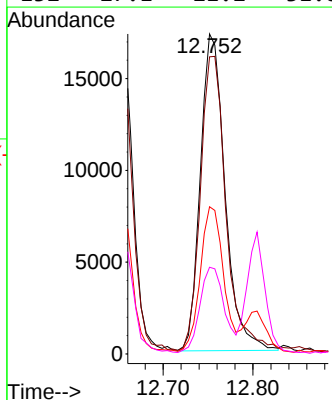
Manual Integrations
APPROVED

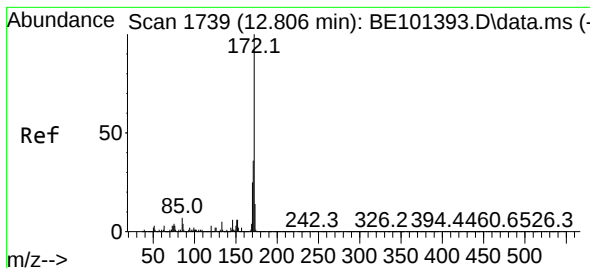
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#44
2,4,5-Trichlorophenol
Concen: 4.006 ng
RT: 12.752 min Scan# 1730
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

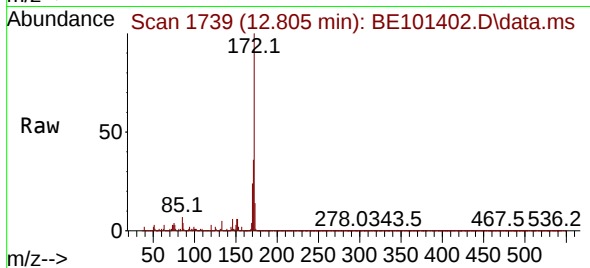
Tgt Ion:196	Resp:	33006
Ion Ratio	Lower	Upper
196	100	
198	92.8	77.4 116.0
97	46.0	34.8 52.2
132	27.1	21.2 31.8





#45
2-Fluorobiphenyl
Concen: 81.520 ng
RT: 12.805 min Scan# 1739
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

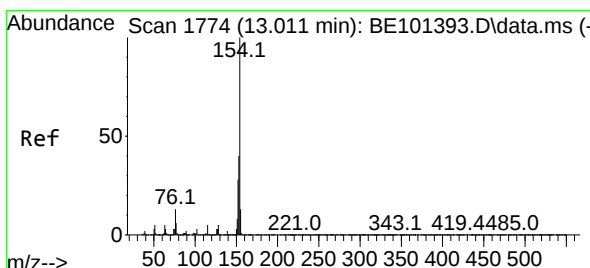
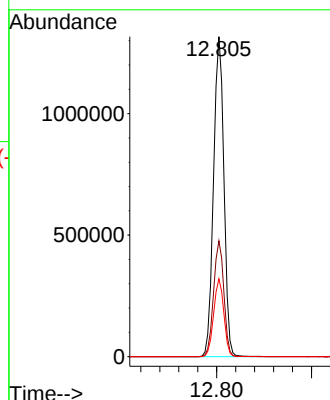
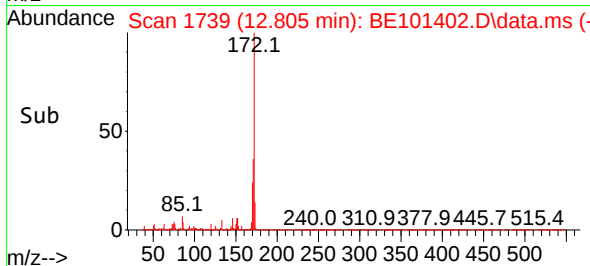
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



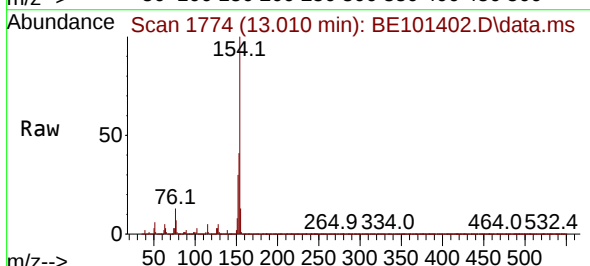
Tgt Ion:172 Resp: 200142
Ion Ratio Lower Upper
172 100
171 36.2 29.2 43.8
170 24.3 19.8 29.6

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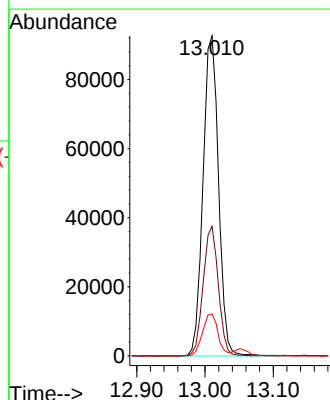
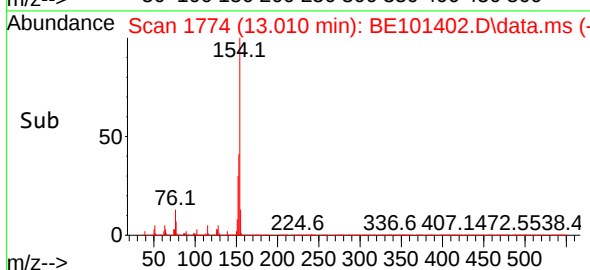
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

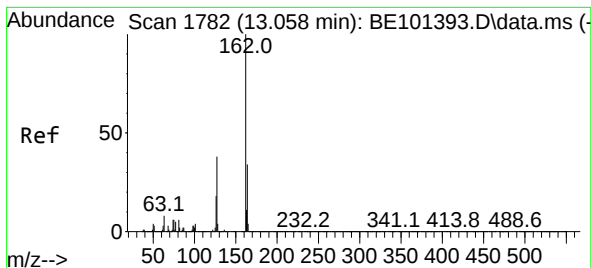


#46
1,1'-Biphenyl
Concen: 5.137 ng
RT: 13.010 min Scan# 1774
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



Tgt Ion:154 Resp: 146336
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.1 0.0 32.6





#47

2-Chloronaphthalene

Concen: 4.645 ng

RT: 13.051 min Scan# 1

Delta R.T. -0.007 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

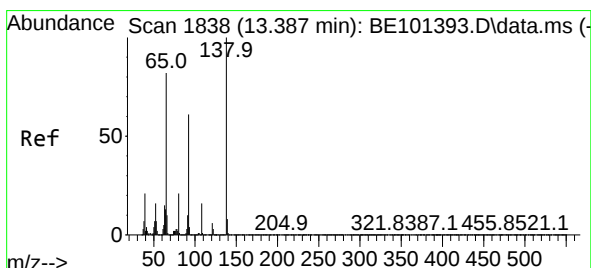
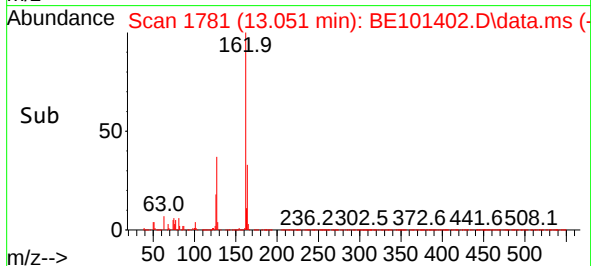
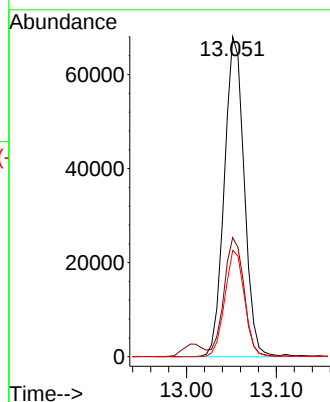
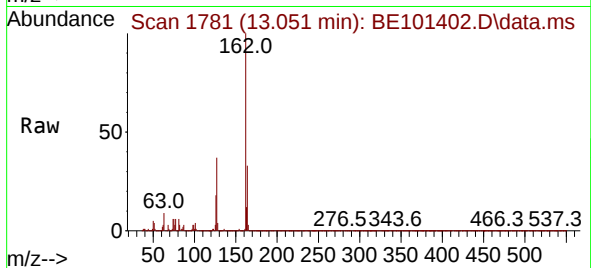
LOQ-SOIL-02-QT4-2024

Tgt Ion:	162	Resp:	104534
Ion Ratio	Lower	Upper	
162	100		
127	37.2	30.4	45.6
164	33.2	27.0	40.6

Manual Integrations

APPROVED

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



#48

2-Nitroaniline

Concen: 3.811 ng

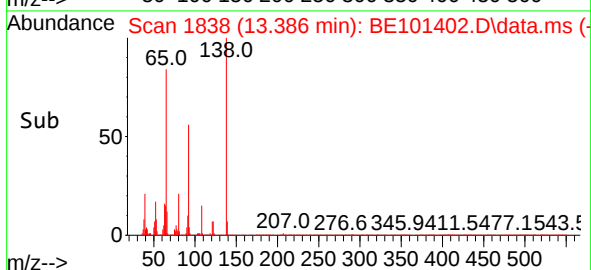
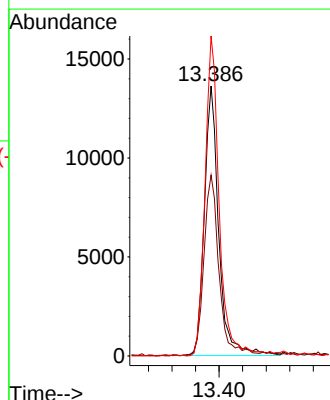
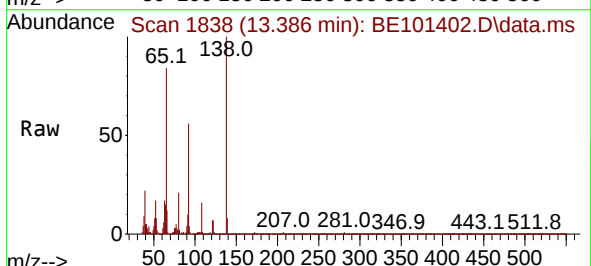
RT: 13.386 min Scan# 1838

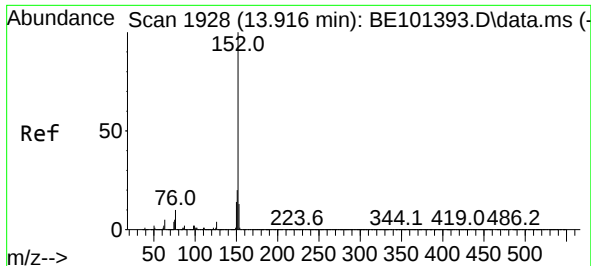
Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion:	65	Resp:	23080
Ion Ratio	Lower	Upper	
65	100		
92	67.0	59.0	88.4
138	118.5	97.4	146.0





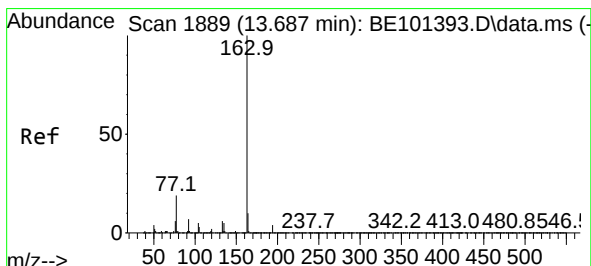
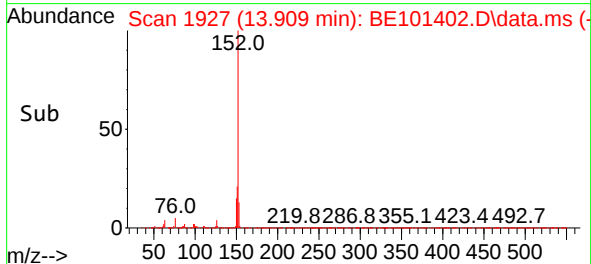
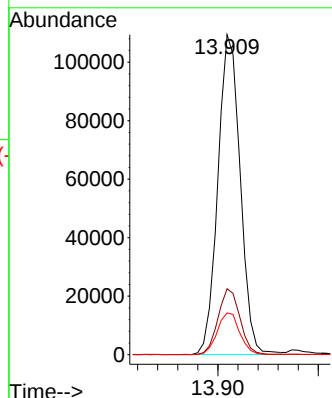
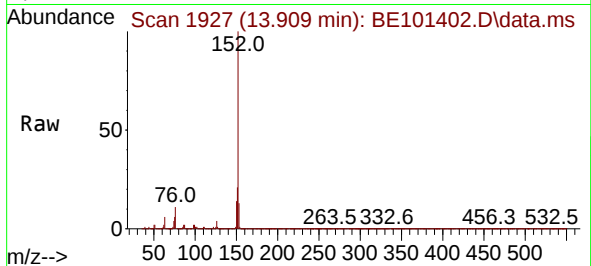
#49
Acenaphthylene
Concen: 5.072 ng
RT: 13.909 min Scan# 1928
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:152 Resp: 168800
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 13.0 10.5 15.7

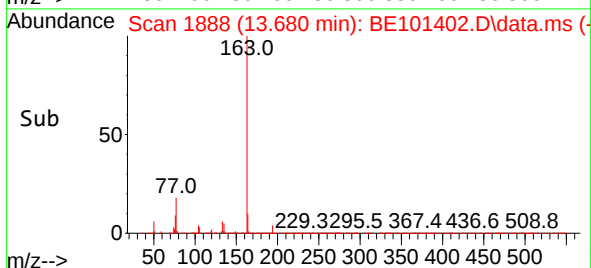
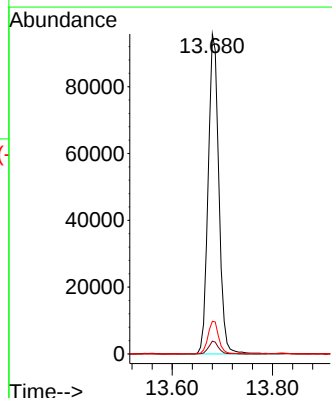
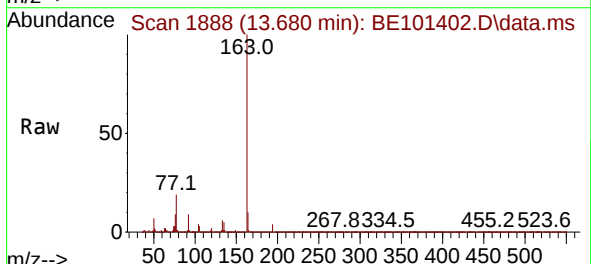
Manual Integrations
APPROVED

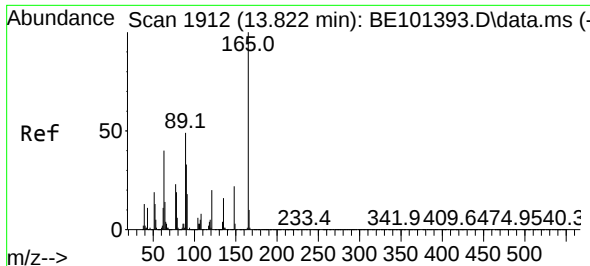
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#50
Dimethylphthalate
Concen: 4.822 ng
RT: 13.680 min Scan# 1888
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:163 Resp: 141532
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 10.2 8.4 12.6





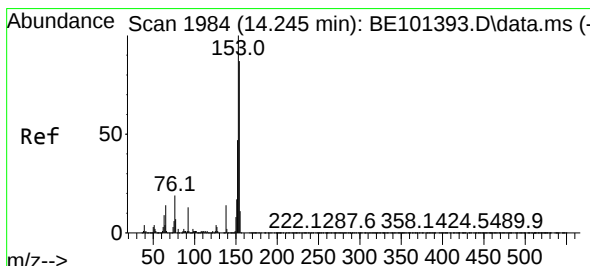
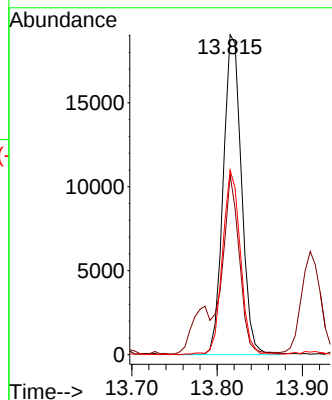
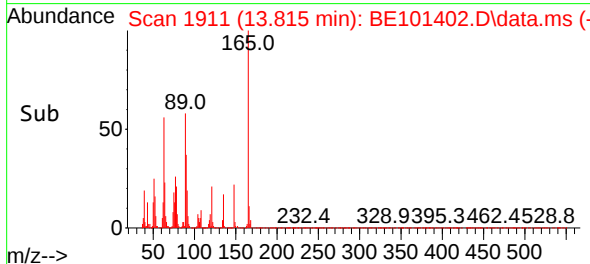
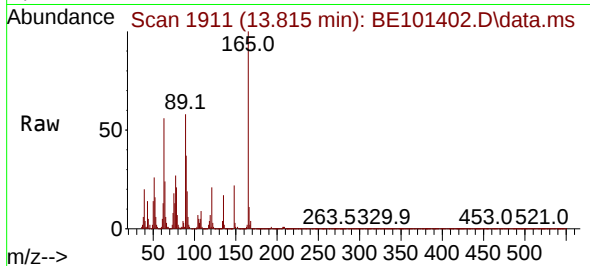
#51
2,6-Dinitrotoluene
Concen: 4.173 ng
RT: 13.815 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 2827
Ion Ratio Lower Upper
165 100
63 56.3 38.0 57.0
89 57.6 39.5 59.3

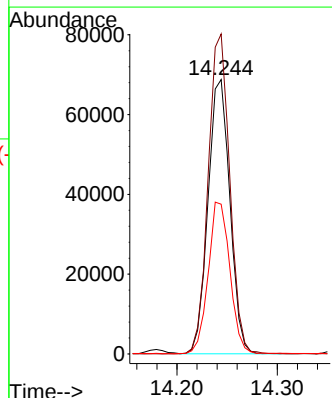
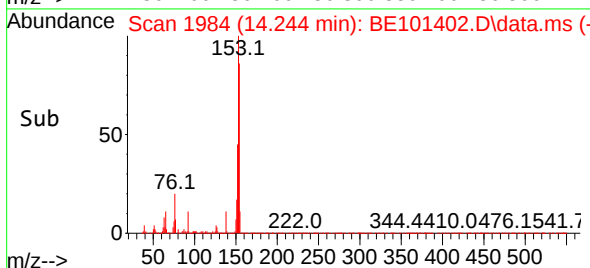
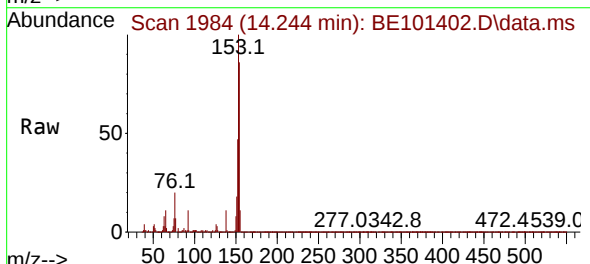
Manual Integrations
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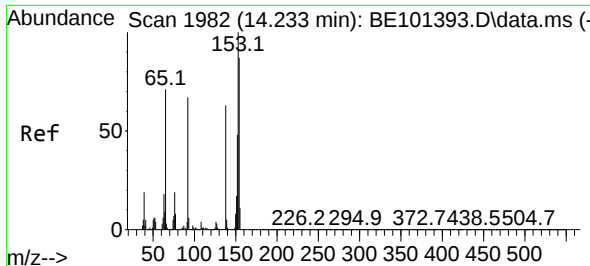
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#52
Acenaphthene
Concen: 4.787 ng
RT: 14.244 min Scan# 1984
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:154 Resp: 104036
Ion Ratio Lower Upper
154 100
153 116.6 91.8 137.6
152 54.6 43.1 64.7





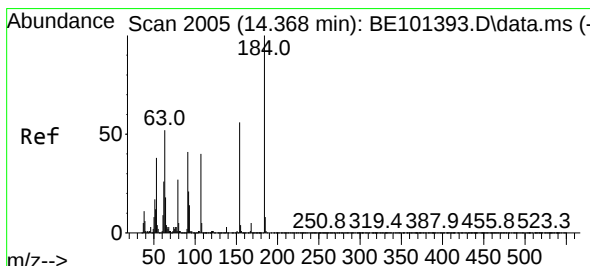
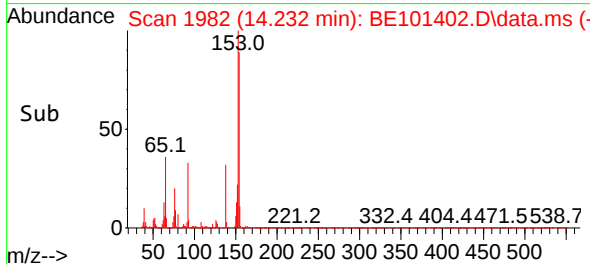
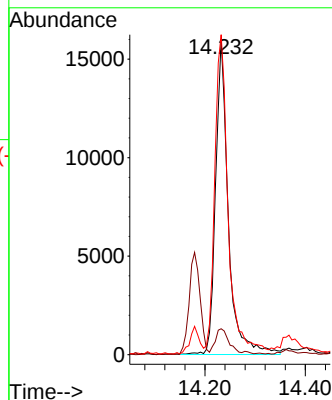
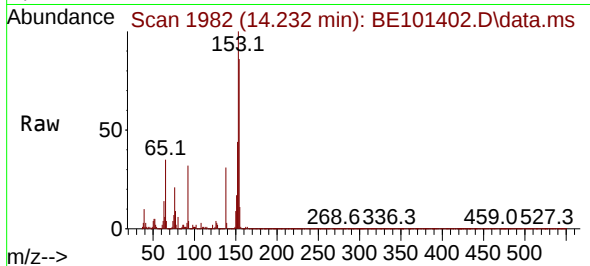
#53
3-Nitroaniline
Concen: 4.161 ng
RT: 14.232 min Scan# 1982
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:138 Resp: 28038
Ion Ratio Lower Upper
138 100
108 8.2 7.1 10.7
92 101.4 84.4 126.6

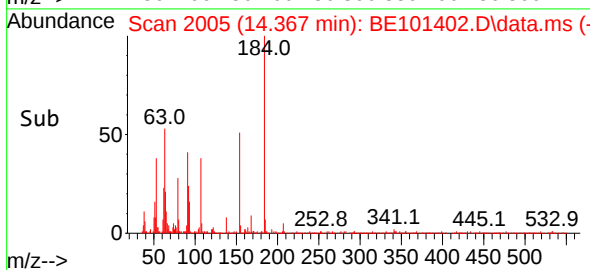
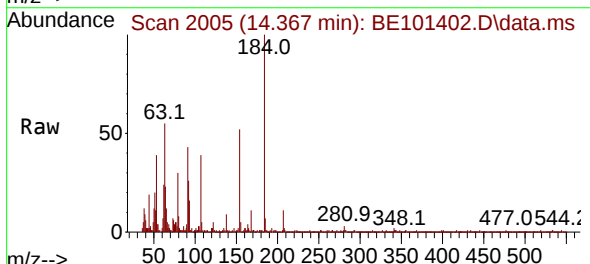
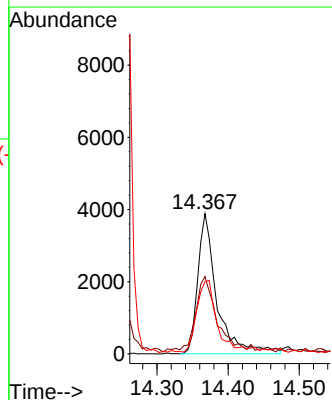
Manual Integrations
APPROVED

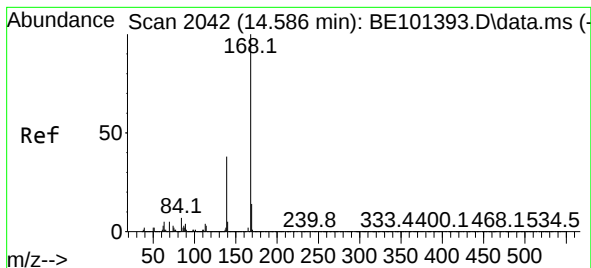
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#54
2,4-Dinitrophenol
Concen: 7.020 ng
RT: 14.367 min Scan# 2005
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:184 Resp: 7267
Ion Ratio Lower Upper
184 100
63 55.1 41.8 62.6
154 51.5 44.9 67.3





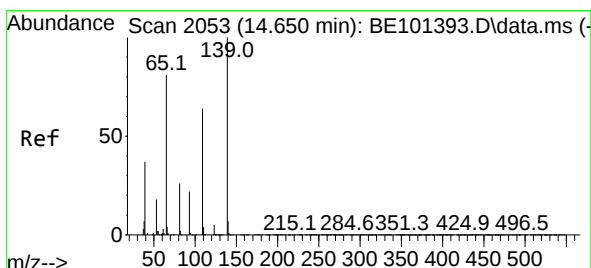
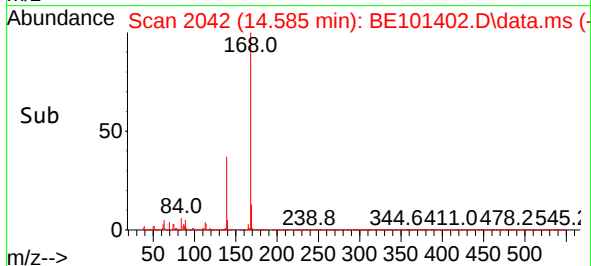
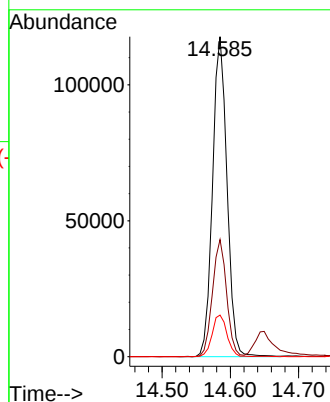
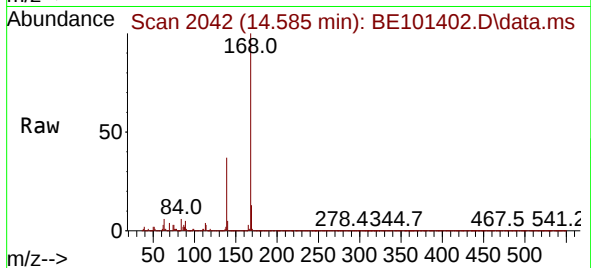
#55
Dibenzenofuran
Concen: 5.009 ng
RT: 14.585 min Scan# 2042
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:168 Resp: 17349
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.4
169 13.0 11.0 16.4

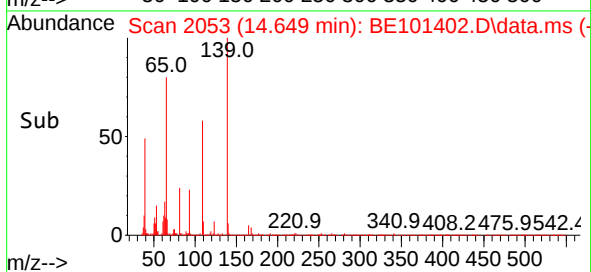
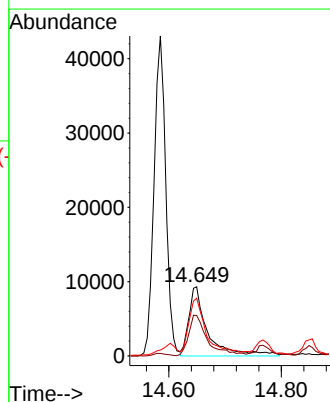
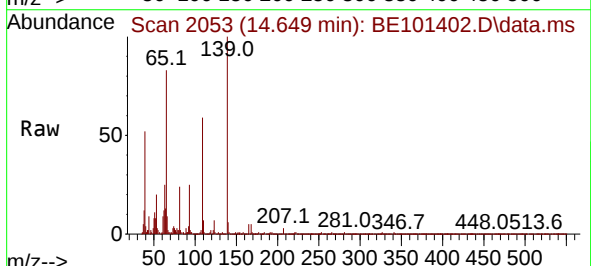
Manual Integrations
APPROVED

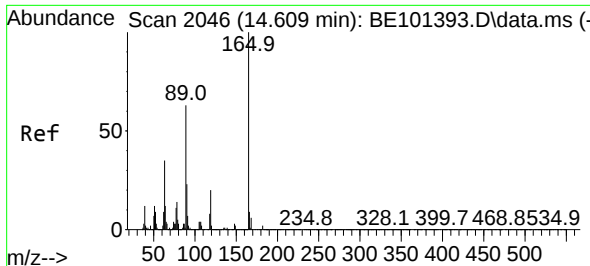
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#56
4-Nitrophenol
Concen: 3.532 ng m
RT: 14.649 min Scan# 2053
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

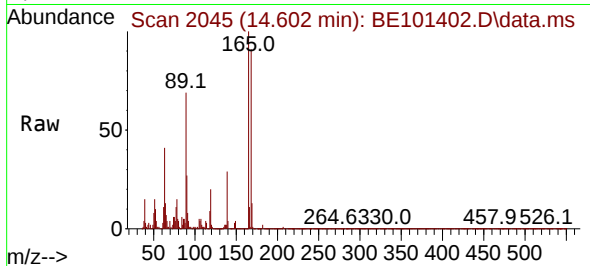
Tgt Ion:139 Resp: 21792
Ion Ratio Lower Upper
139 100
109 58.7 42.4 82.4
65 83.5 63.4 103.4





#57
2,4-Dinitrotoluene
Concen: 3.740 ng
RT: 14.602 min Scan# 2046
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

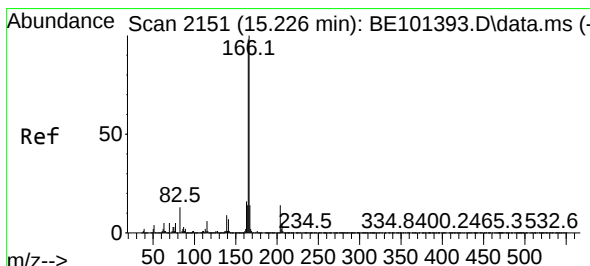
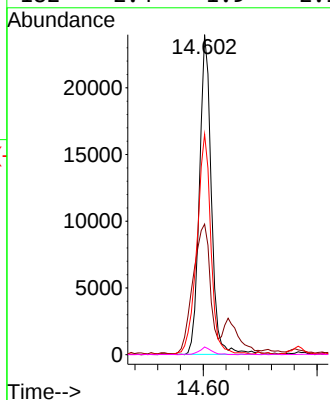
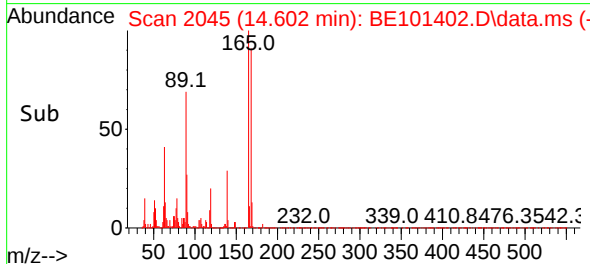
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 34890
Ion Ratio Lower Upper
165 100
63 40.8 28.6 42.8
89 68.9 50.8 76.2
182 2.4 1.9 2.9

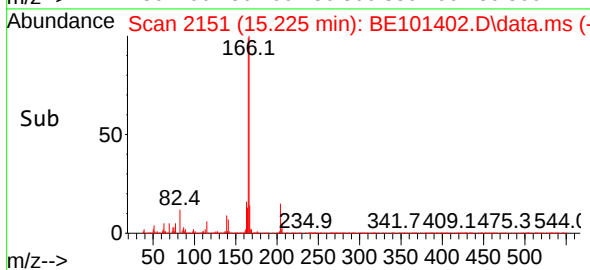
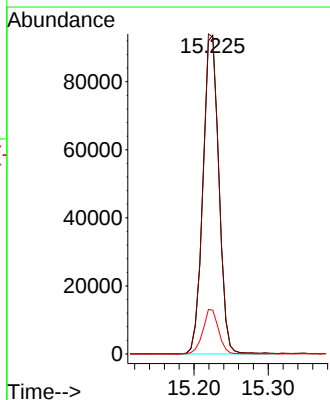
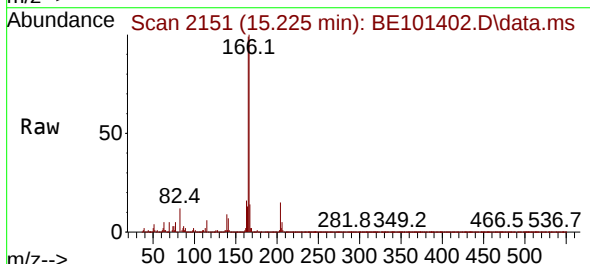
Manual Integrations
APPROVED

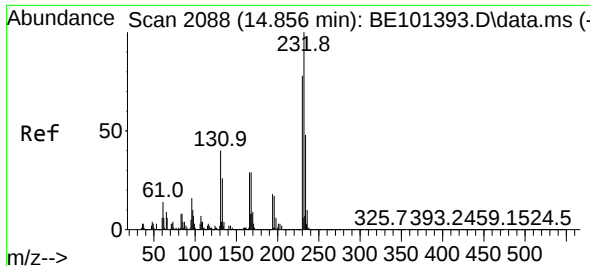
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#58
Fluorene
Concen: 4.812 ng
RT: 15.225 min Scan# 2151
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

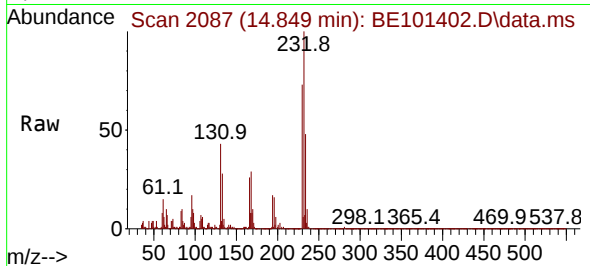
Tgt Ion:166 Resp: 139429
Ion Ratio Lower Upper
166 100
165 99.4 78.7 118.1
167 13.8 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.561 ng
RT: 14.849 min Scan# 2087
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

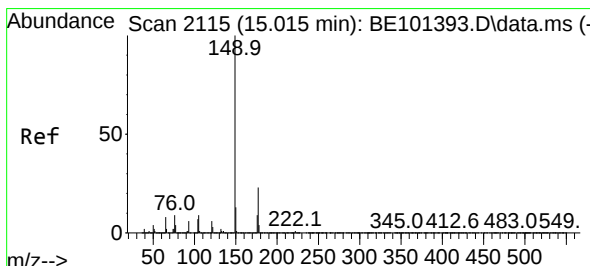
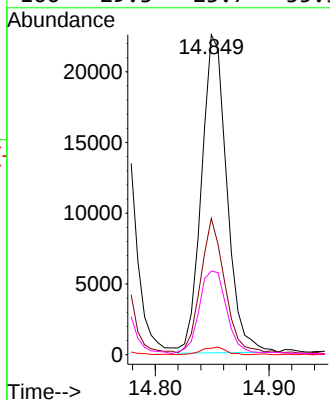
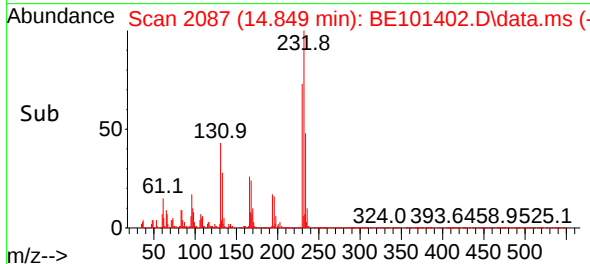
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



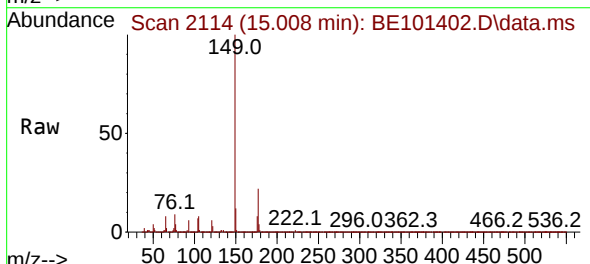
Tgt Ion:232 Resp: 3472
Ion Ratio Lower Upper
232 100
131 41.8 33.5 50.3
130 2.2 1.6 2.4
166 29.3 23.7 35.5

Manual Integrations
APPROVED

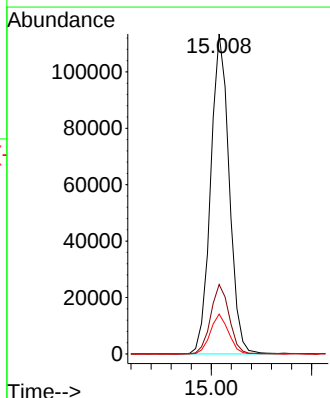
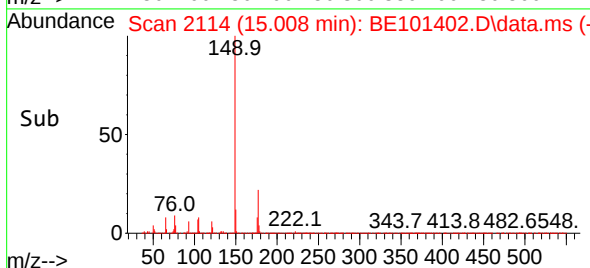
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

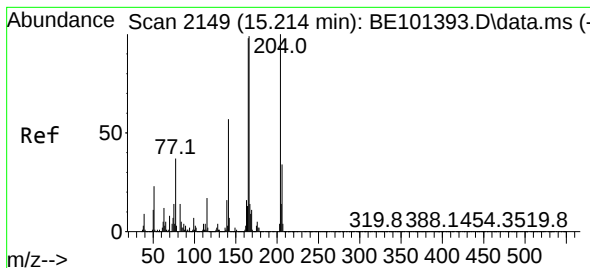


#60
Diethylphthalate
Concen: 4.740 ng
RT: 15.008 min Scan# 2114
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06



Tgt Ion:149 Resp: 145499
Ion Ratio Lower Upper
149 100
177 21.7 18.0 27.0
150 12.4 10.3 15.5





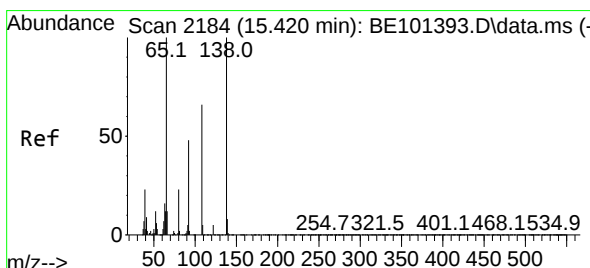
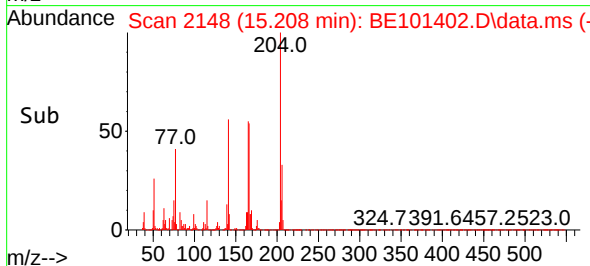
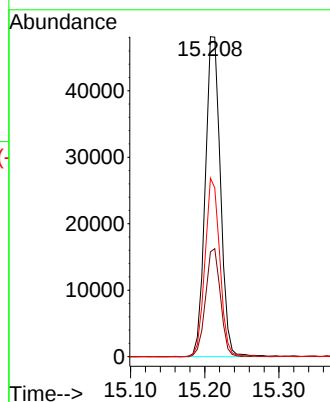
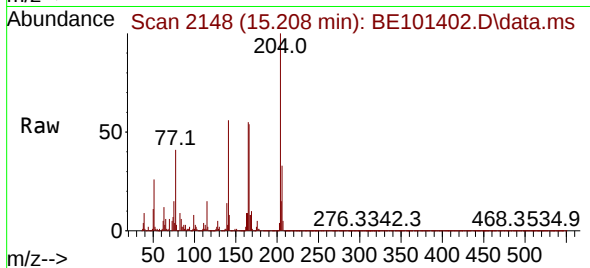
#61
4-Chlorophenyl-phenylether
Concen: 4.782 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:204 Resp: 68759
Ion Ratio Lower Upper
204 100
206 32.7 26.9 40.3
141 55.8 45.9 68.9

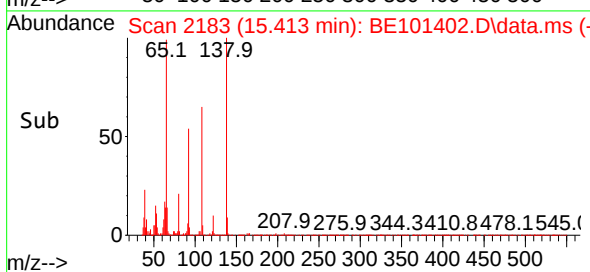
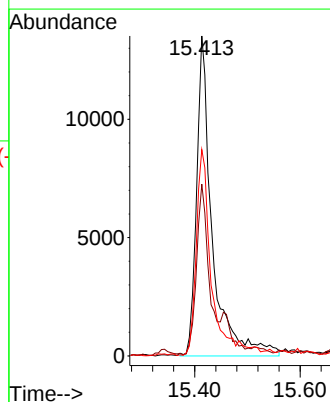
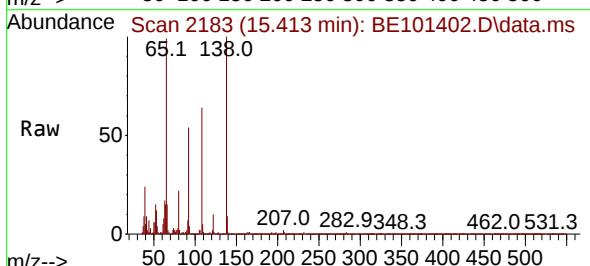
Manual Integrations
APPROVED

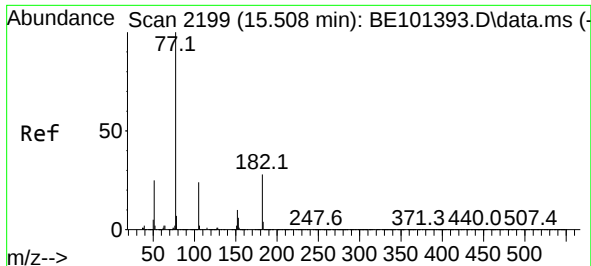
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#62
4-Nitroaniline
Concen: 3.725 ng m
RT: 15.413 min Scan# 2183
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

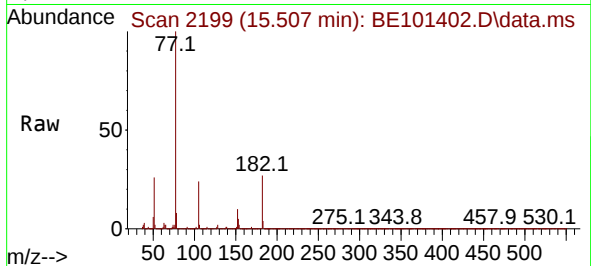
Tgt Ion:138 Resp: 27925
Ion Ratio Lower Upper
138 100
92 53.7 28.7 68.7
108 64.5 46.5 86.5





#63
Azobenzene
Concen: 4.755 ng
RT: 15.507 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

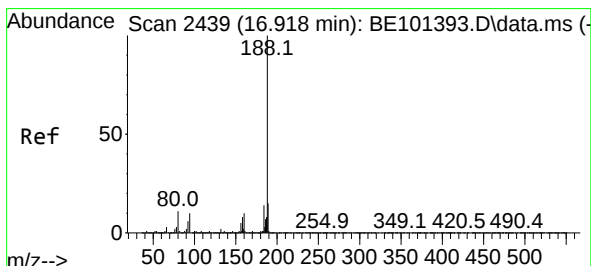
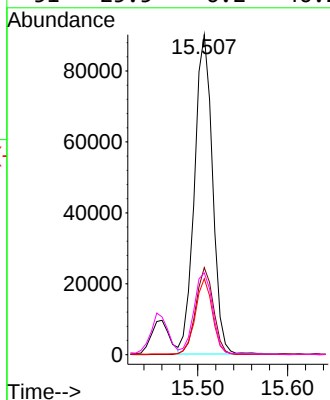
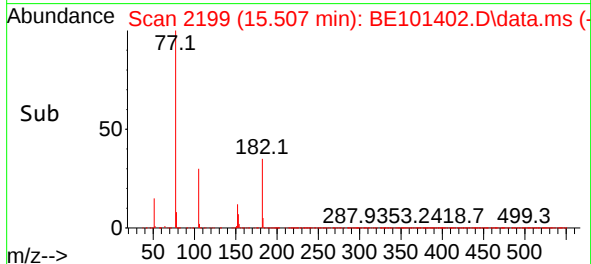
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 125470
Ion Ratio Lower Upper
77 100
182 27.2 7.6 47.6
105 23.7 3.2 43.2
51 25.5 6.2 46.2

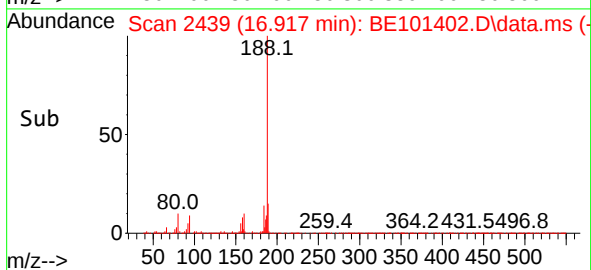
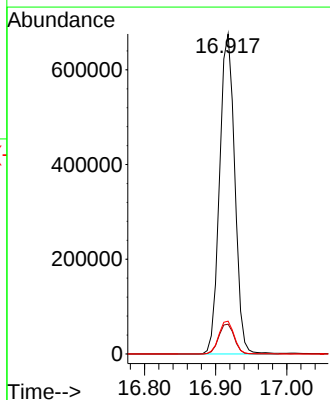
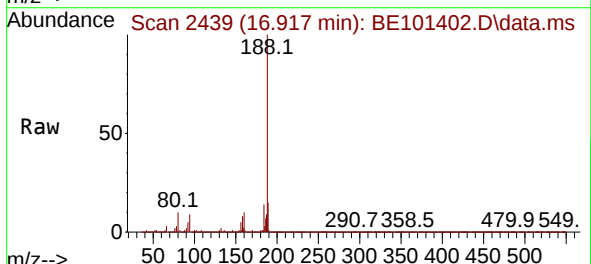
Manual Integrations
APPROVED

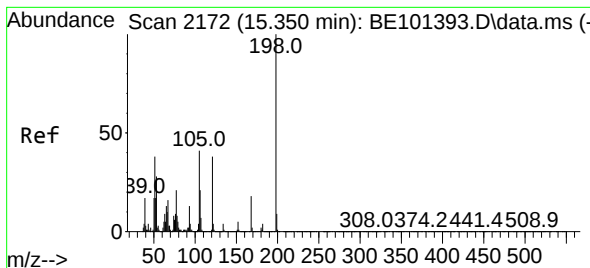
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.917 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:188 Resp: 997574
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.8
80 10.2 8.6 12.8





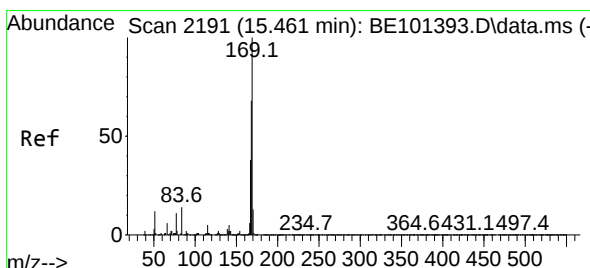
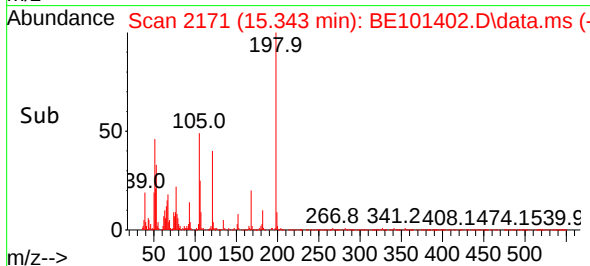
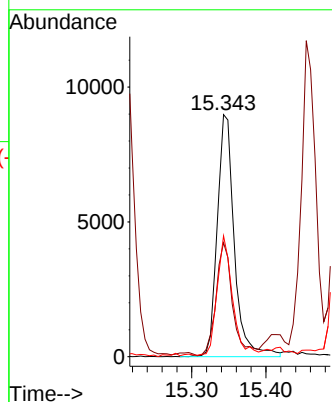
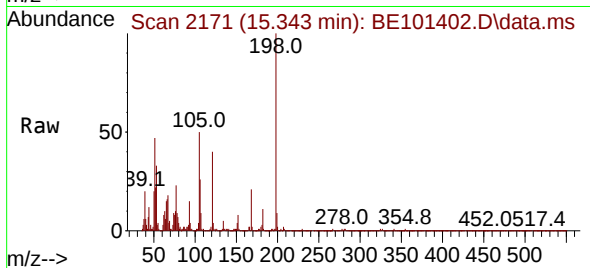
#65
4,6-Dinitro-2-methylphenol
Concen: 2.443 ng
RT: 15.343 min Scan# 2172
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:198 Resp: 14319
Ion Ratio Lower Upper
198 100
51 47.1 18.2 58.2
105 49.9 21.5 61.5

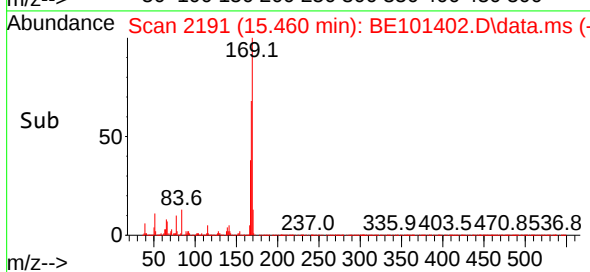
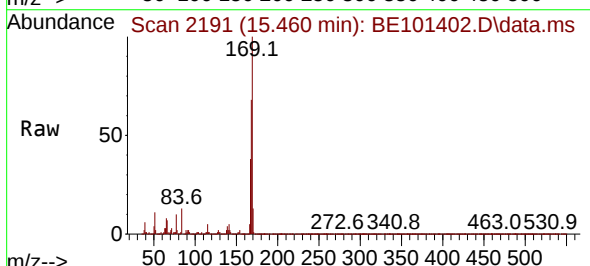
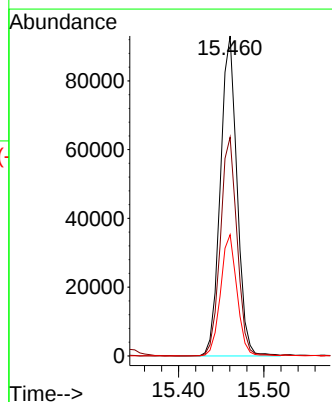
Manual Integrations
APPROVED

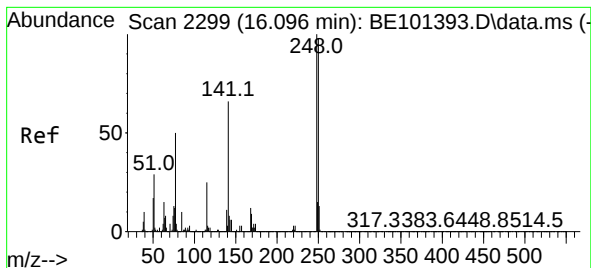
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#66
n-Nitrosodiphenylamine
Concen: 4.780 ng
RT: 15.460 min Scan# 2191
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:169 Resp: 126454
Ion Ratio Lower Upper
169 100
168 68.4 54.5 81.7
167 37.9 30.4 45.6





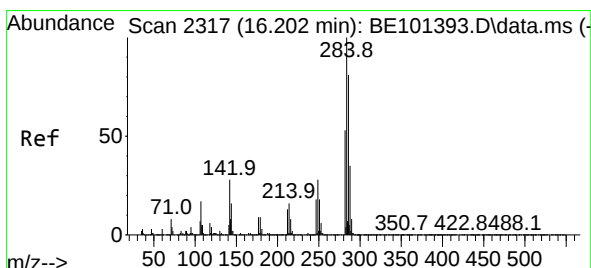
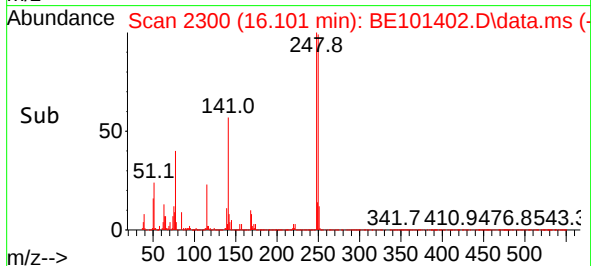
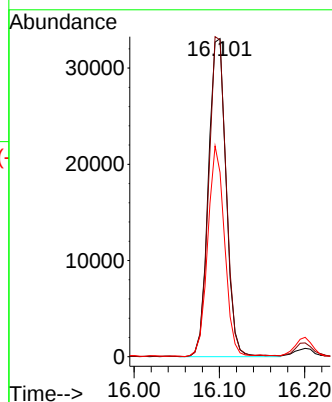
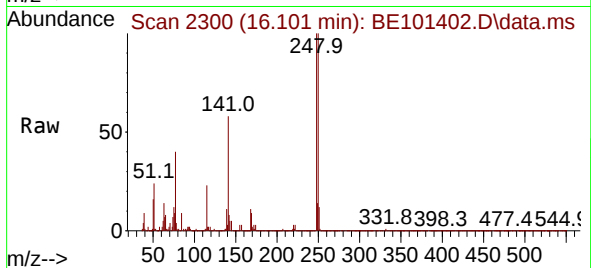
#67
4-Bromophenyl-phenylether
Concen: 4.536 ng
RT: 16.101 min Scan# 21
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:248 Resp: 4760
Ion Ratio Lower Upper
248 100
250 99.6 78.2 117.2
141 57.9 53.0 79.4

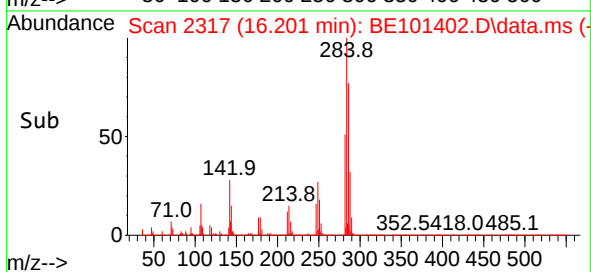
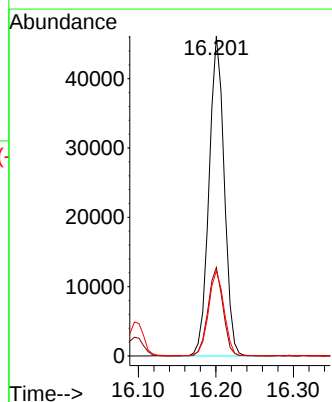
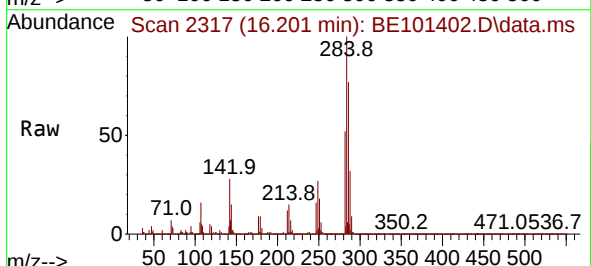
Manual Integrations
APPROVED

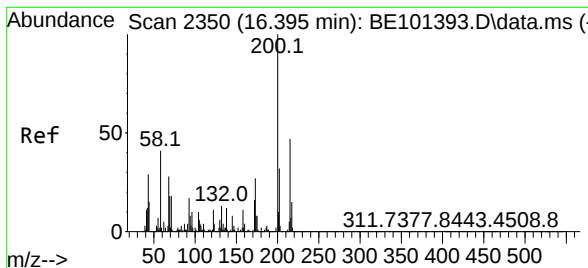
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#68
Hexachlorobenzene
Concen: 4.562 ng
RT: 16.201 min Scan# 2317
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:284 Resp: 62742
Ion Ratio Lower Upper
284 100
142 27.7 22.2 33.2
249 26.6 22.8 34.2





#69

Atrazine

Concen: 5.622 ng

RT: 16.389 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101402.D

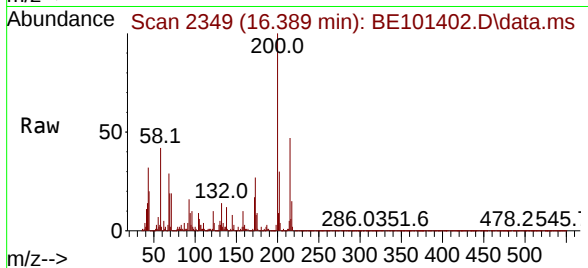
Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024



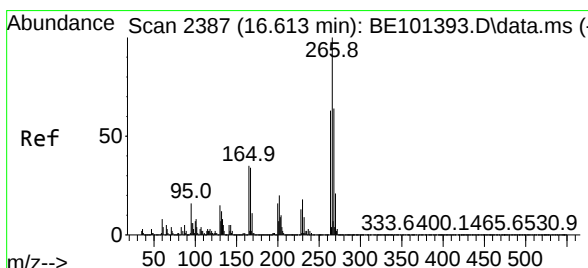
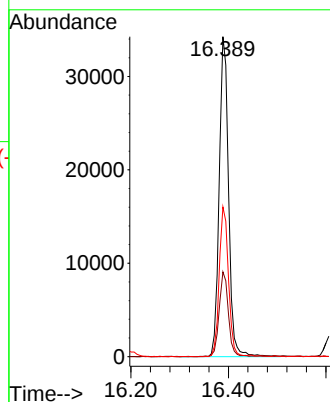
Tgt Ion: 200 Resp: 4559

Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.0	47.0
215	46.8	27.3	67.3

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 3.006 ng

RT: 16.606 min Scan# 2386

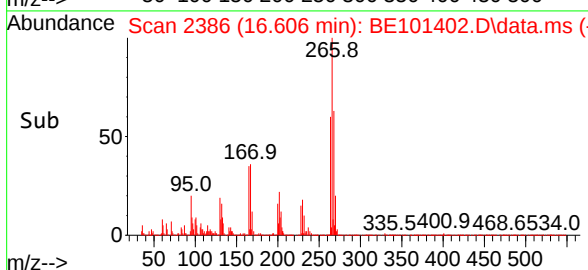
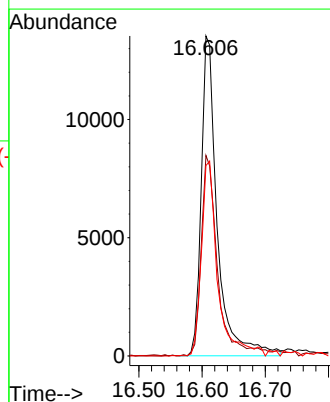
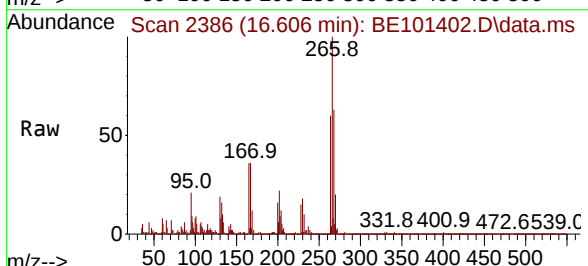
Delta R.T. -0.007 min

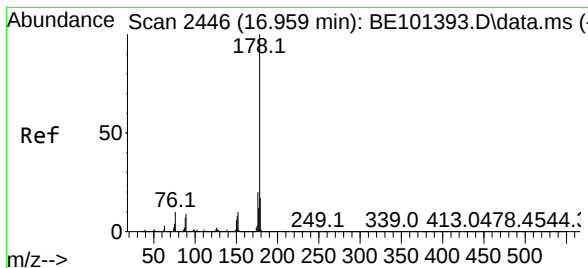
Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion: 266 Resp: 23797

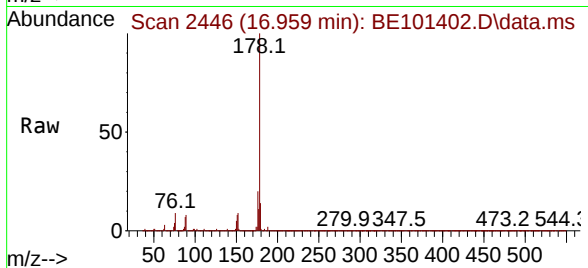
Ion	Ratio	Lower	Upper
266	100		
268	67.2	51.5	77.3
264	59.5	50.7	76.1





#71
Phenanthrene
Concen: 5.129 ng
RT: 16.959 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

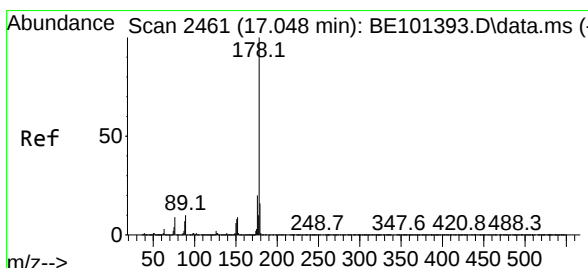
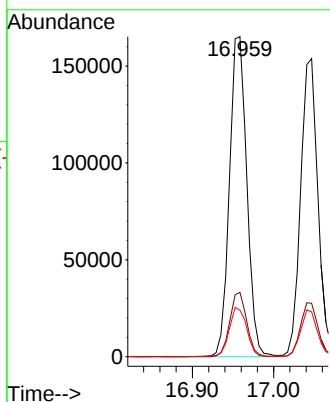
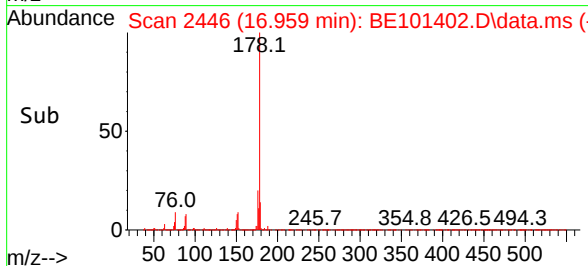
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:178 Resp: 244968
Ion Ratio Lower Upper
178 100
176 20.1 16.4 24.6
179 14.5 13.2 19.8

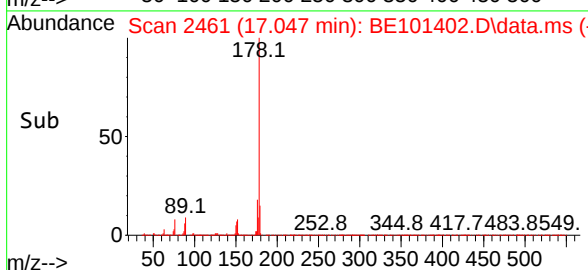
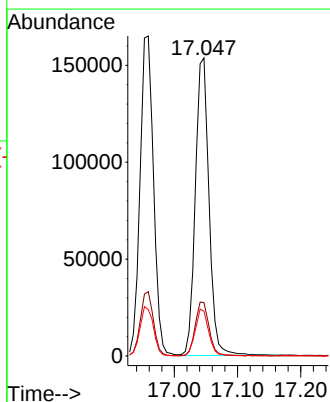
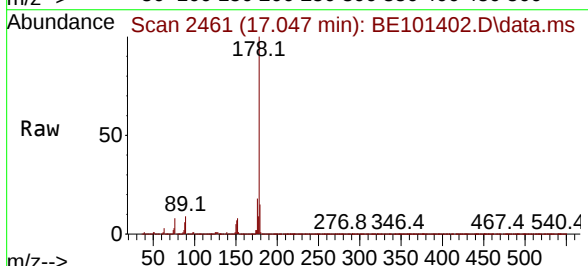
Manual Integrations
APPROVED

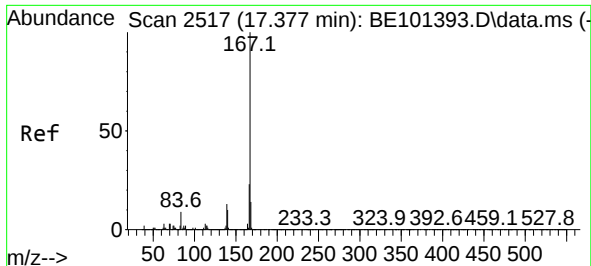
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#72
Anthracene
Concen: 4.945 ng
RT: 17.047 min Scan# 2461
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

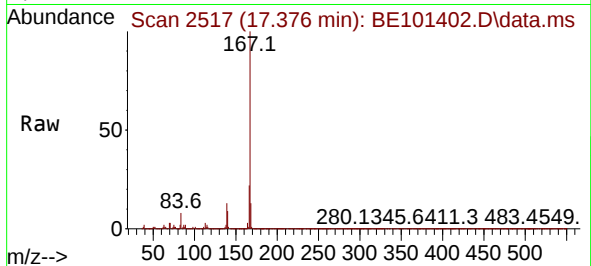
Tgt Ion:178 Resp: 230626
Ion Ratio Lower Upper
178 100
176 17.9 15.9 23.9
179 15.0 13.1 19.7





#73
 Carbazole
 Concen: 4.845 ng
 RT: 17.376 min Scan# 2517
 Delta R.T. -0.001 min
 Lab File: BE101402.D
 Acq: 29 Oct 2024 12:06

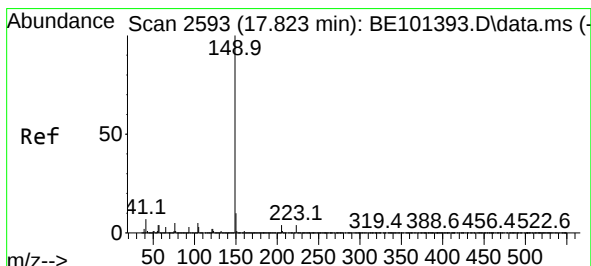
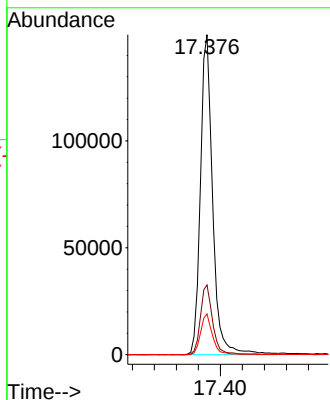
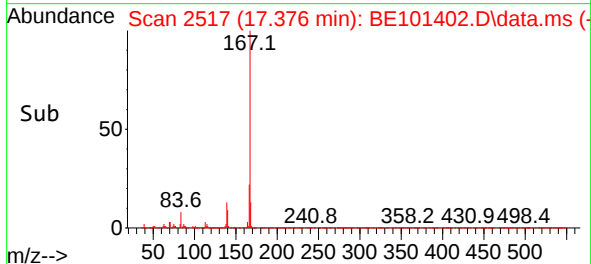
Instrument : BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



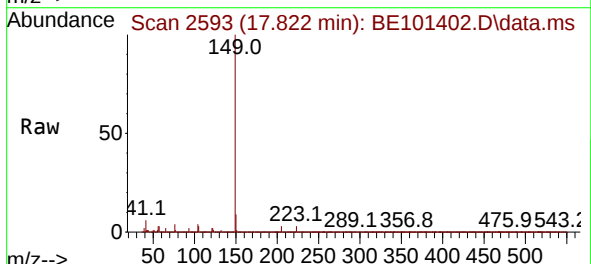
Tgt Ion:167 Resp: 231214
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.3 27.5
 139 12.7 10.8 16.2

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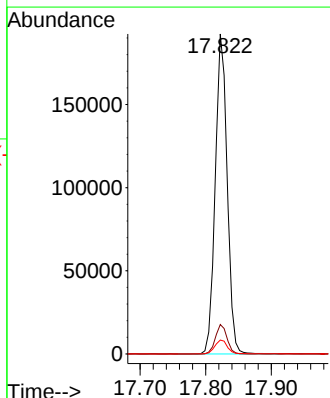
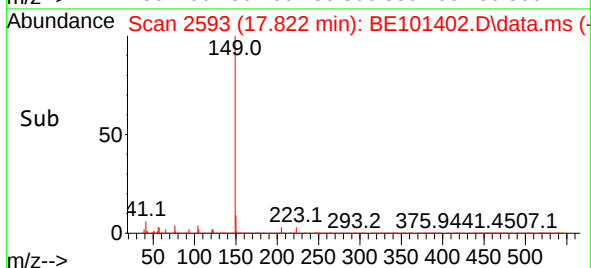
Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024

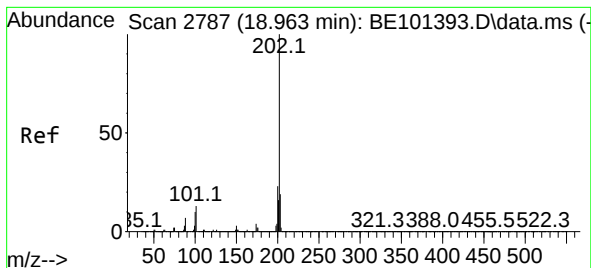


#74
 Di-n-butylphthalate
 Concen: 4.596 ng
 RT: 17.822 min Scan# 2593
 Delta R.T. -0.001 min
 Lab File: BE101402.D
 Acq: 29 Oct 2024 12:06



Tgt Ion:149 Resp: 241458
 Ion Ratio Lower Upper
 149 100
 150 9.2 8.2 12.4
 104 4.3 3.9 5.9





#75

Fluoranthene

Concen: 5.071 ng

RT: 18.962 min Scan# 21

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

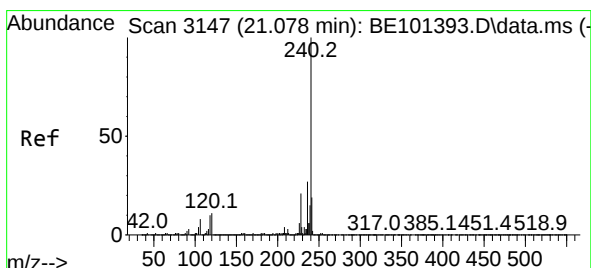
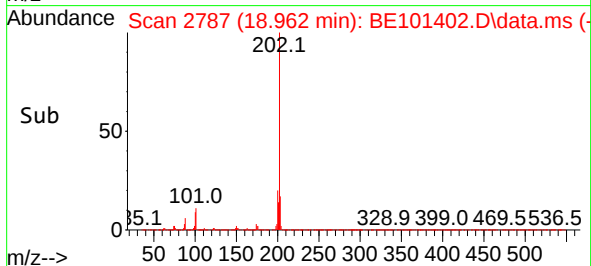
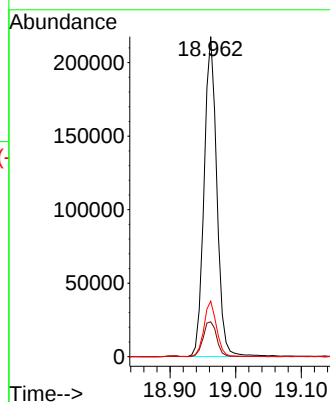
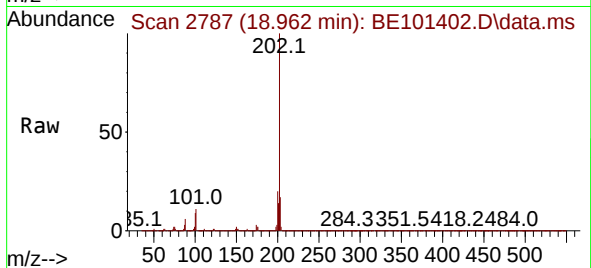
LOQ-SOIL-02-QT4-2024

Tgt Ion:	202	Resp:	29417
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	33.3
203	17.3	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

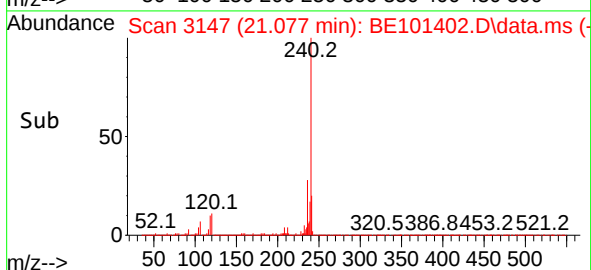
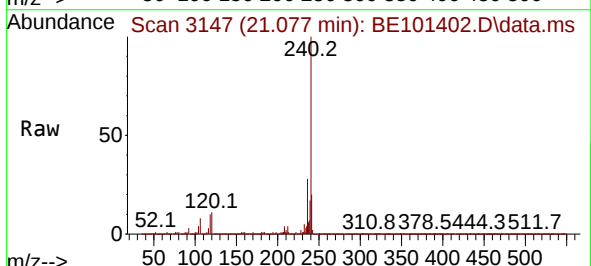
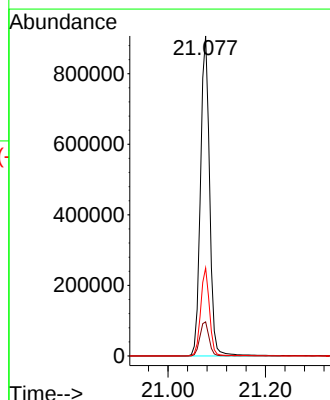
RT: 21.077 min Scan# 3147

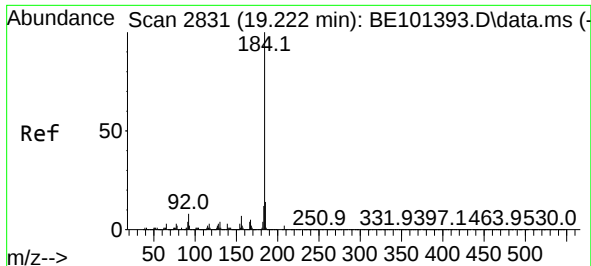
Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion:	240	Resp:	1180653
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.0	13.4
236	27.5	21.4	32.0





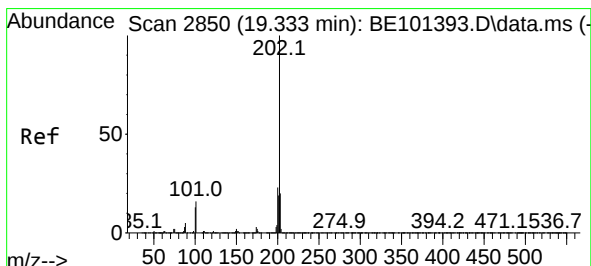
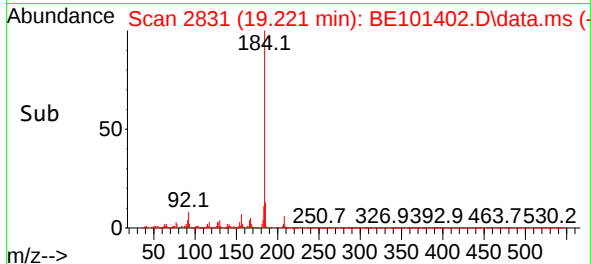
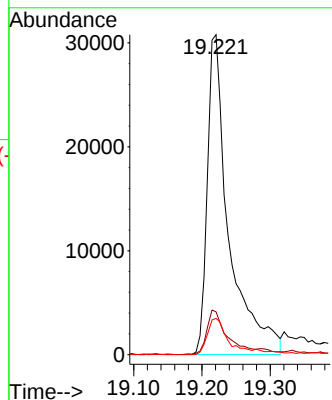
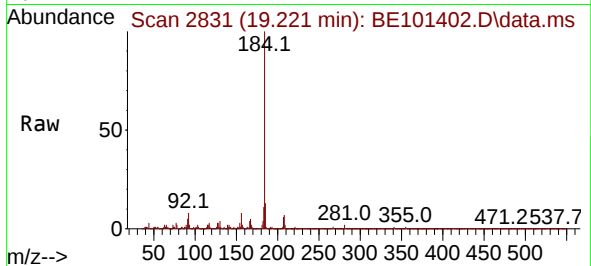
#77
Benzidine
Concen: 4.526 ng
RT: 19.221 min Scan# 2831
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion:184 Resp: 6781
Ion Ratio Lower Upper
184 100
185 13.4 11.5 17.3
183 11.3 9.3 13.9

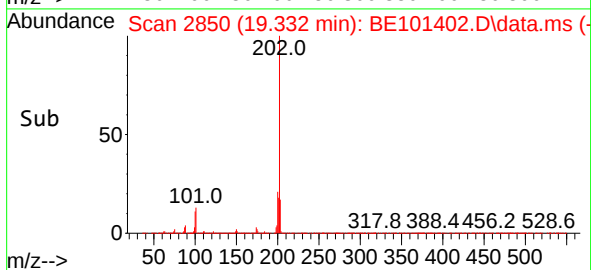
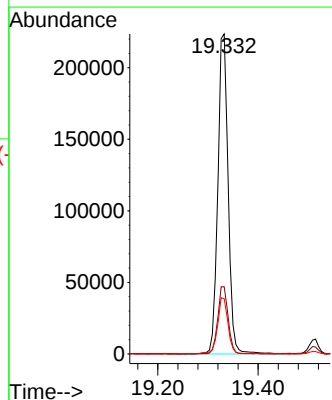
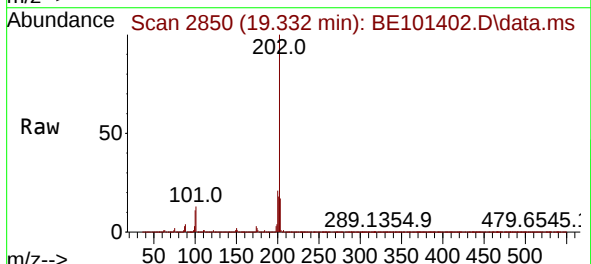
Manual Integrations
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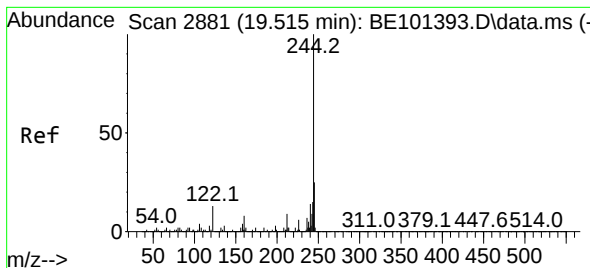
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#78
Pyrene
Concen: 4.889 ng
RT: 19.332 min Scan# 2850
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:202 Resp: 317456
Ion Ratio Lower Upper
202 100
200 21.0 18.6 28.0
203 17.3 15.6 23.4





#79

Terphenyl-d14

Concen: 73.795 ng

RT: 19.514 min Scan# 2881

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:244 Resp: 378554

Ion Ratio Lower Upper

244 100

212 8.4 7.2 10.8

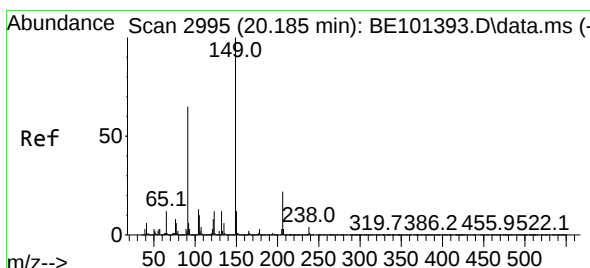
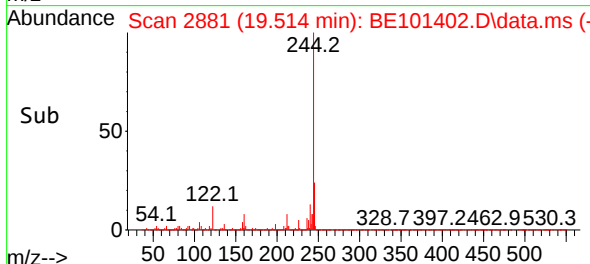
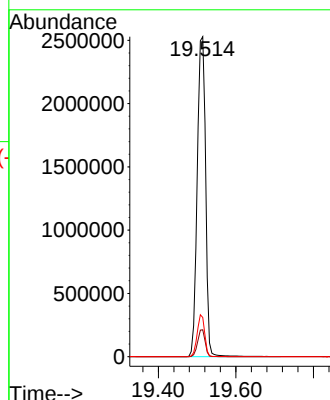
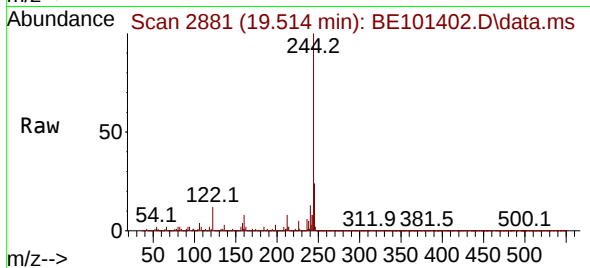
122 12.2 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024

Supervised By :mohammad ahmed 11/04/2024



#80

Butylbenzylphthalate

Concen: 4.359 ng

RT: 20.184 min Scan# 2995

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

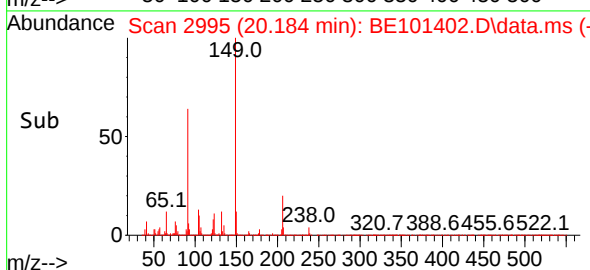
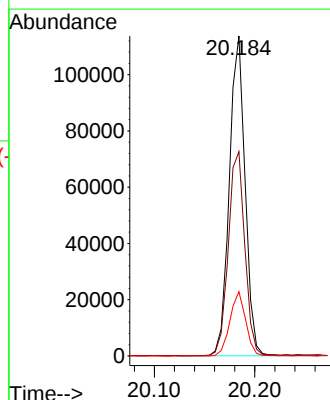
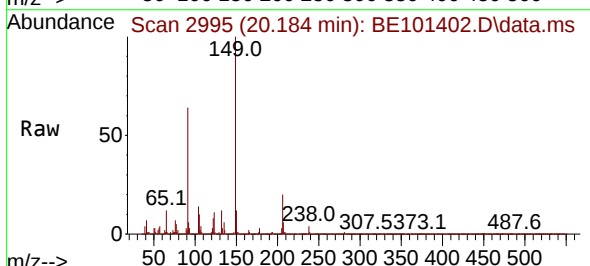
Tgt Ion:149 Resp: 124074

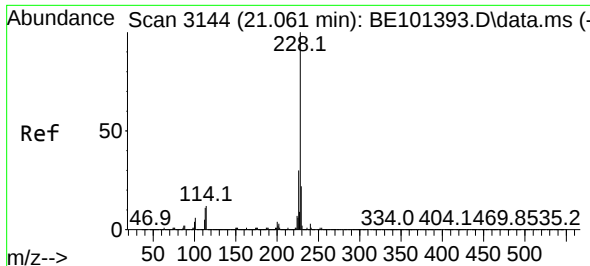
Ion Ratio Lower Upper

149 100

91 63.9 51.8 77.8

206 20.1 17.4 26.2





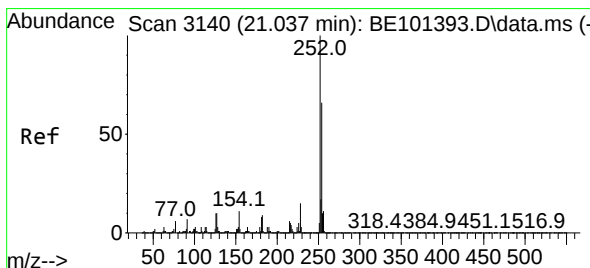
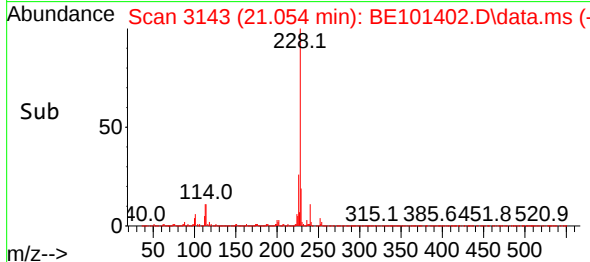
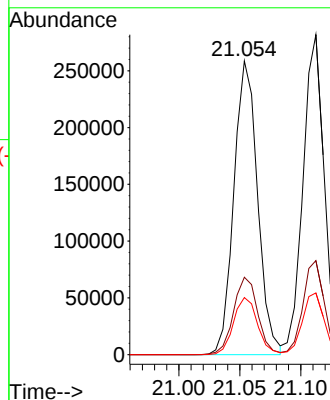
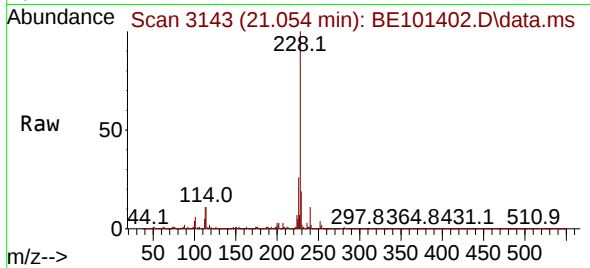
#81
Benzo(a)anthracene
Concen: 5.283 ng
RT: 21.054 min Scan# 3143
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:228 Resp: 350550
Ion Ratio Lower Upper
228 100
226 26.4 24.1 36.1
229 19.4 17.3 25.9

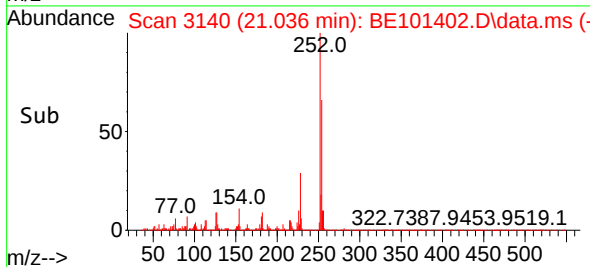
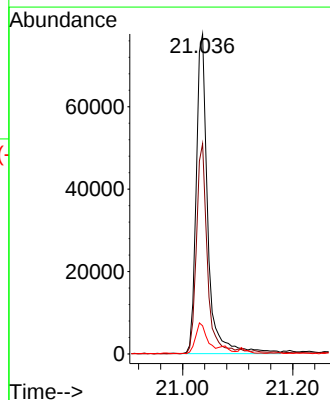
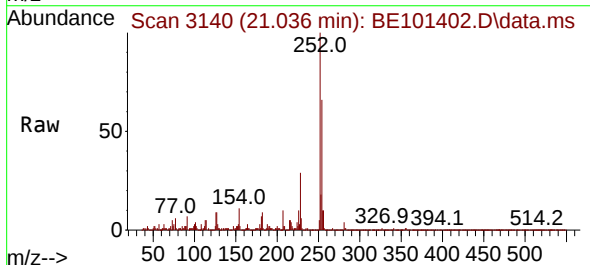
Manual Integrations
APPROVED

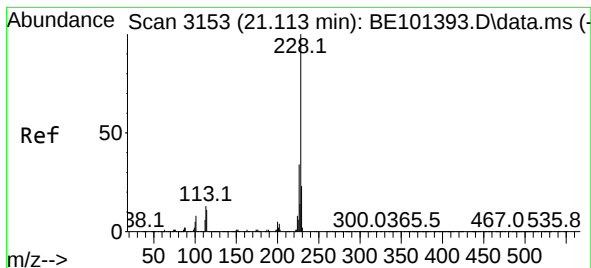
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#82
3,3'-Dichlorobenzidine
Concen: 4.348 ng
RT: 21.036 min Scan# 3140
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:252 Resp: 113016
Ion Ratio Lower Upper
252 100
254 65.7 52.6 78.8
126 8.8 7.7 11.5





#83

Chrysene

Concen: 5.417 ng

RT: 21.112 min Scan# 3153

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

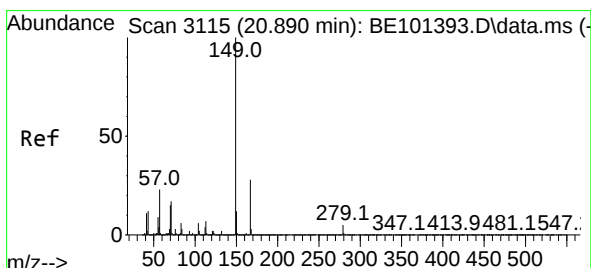
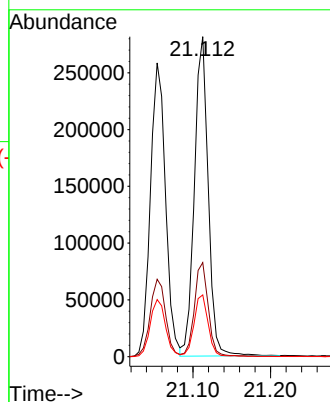
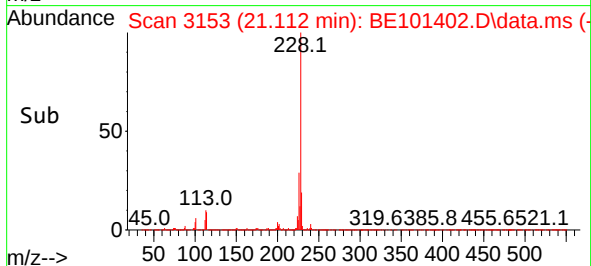
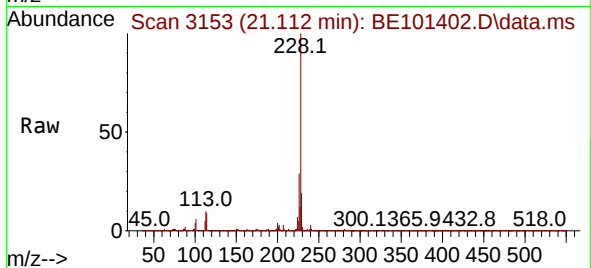
LOQ-SOIL-02-QT4-2024

Tgt Ion:	228	Resp:	34754
Ion Ratio	Lower	Upper	
228	100		
226	29.4	27.2	40.8
229	19.3	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: 4.199 ng

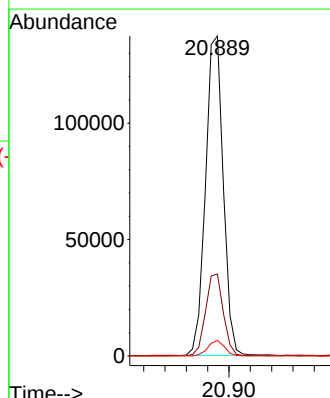
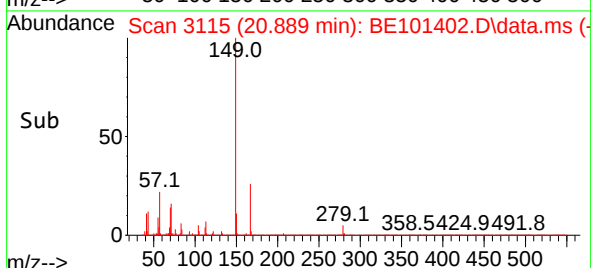
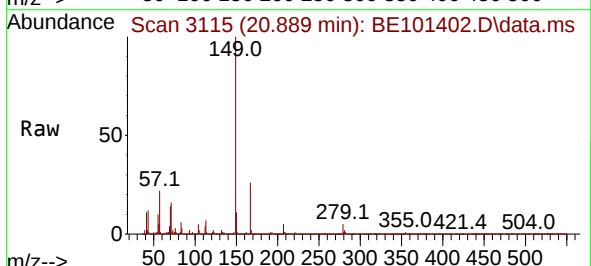
RT: 20.889 min Scan# 3115

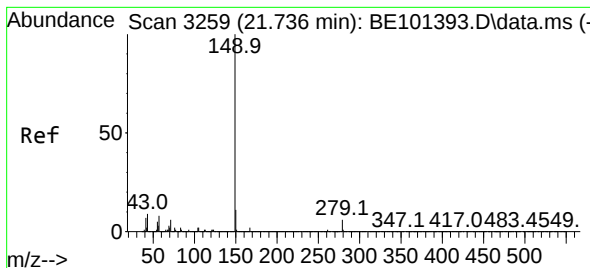
Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion:	149	Resp:	158770
Ion Ratio	Lower	Upper	
149	100		
167	25.6	22.7	34.1
279	4.9	4.3	6.5





#85

Di-n-octyl phthalate

Concen: 4.497 ng

RT: 21.735 min Scan# 31

Delta R.T. -0.001 min

Lab File: BE101402.D

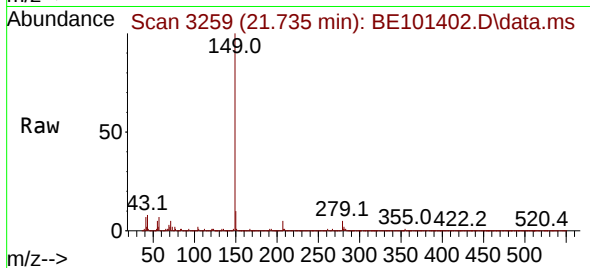
Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:149 Resp: 279069

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

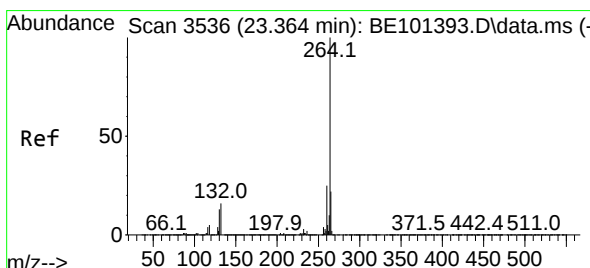
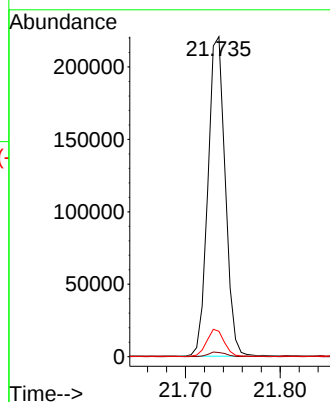
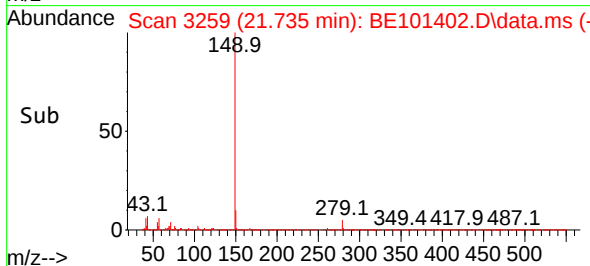
43 8.6 7.0 10.4

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: 23.363 min Scan# 3536

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

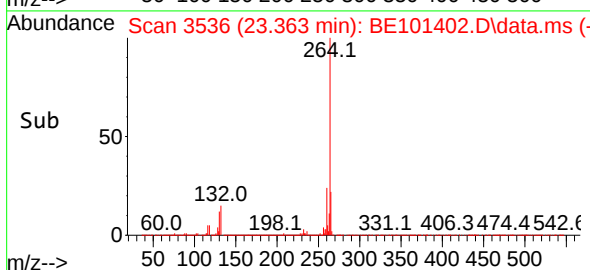
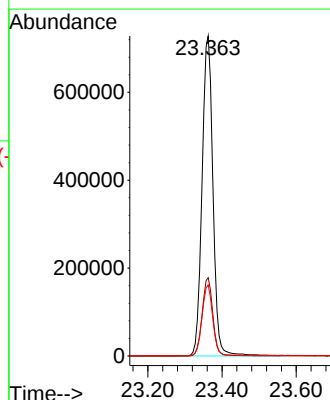
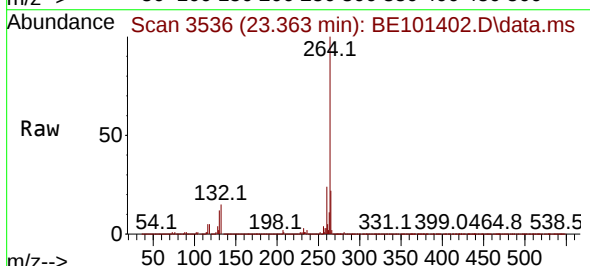
Tgt Ion:264 Resp: 1483151

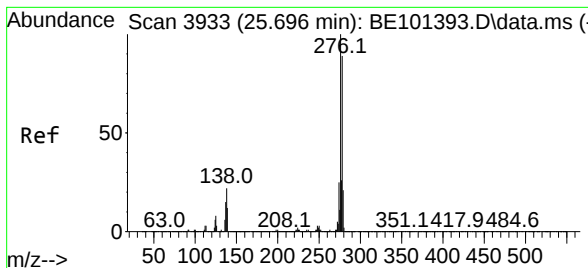
Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

265 22.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.954 ng

RT: 25.666 min Scan# 3933

Delta R.T. -0.030 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

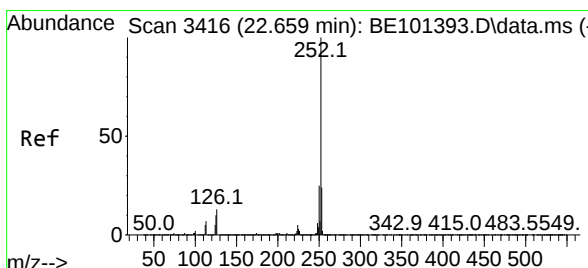
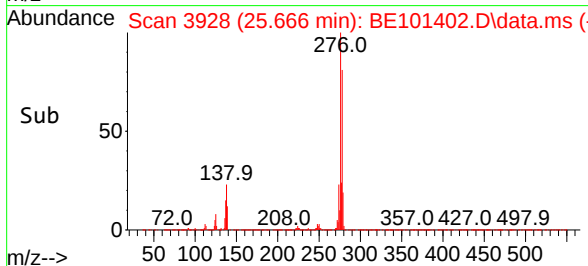
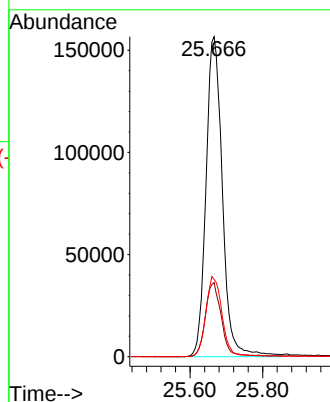
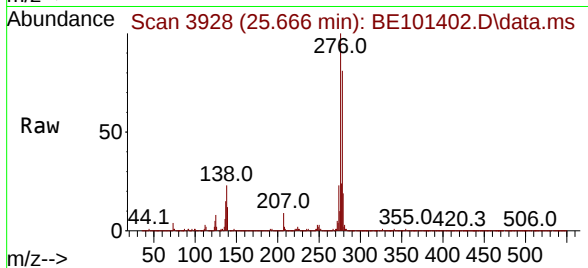
Tgt Ion: 276 Resp: 491709

Ion	Ratio	Lower	Upper
276	100		
138	22.4	17.8	26.8
277	24.8	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: 4.826 ng

RT: 22.646 min Scan# 3414

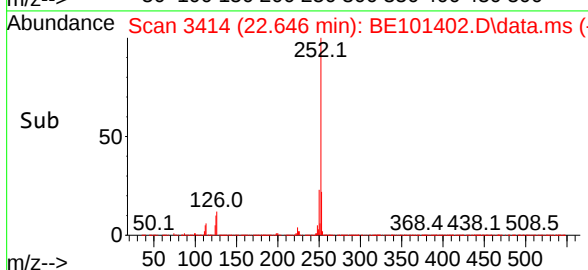
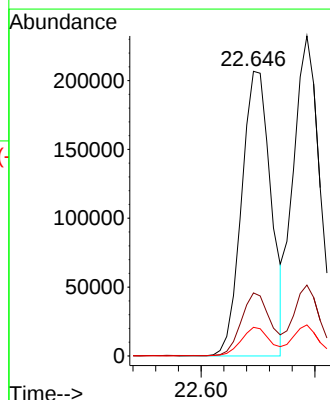
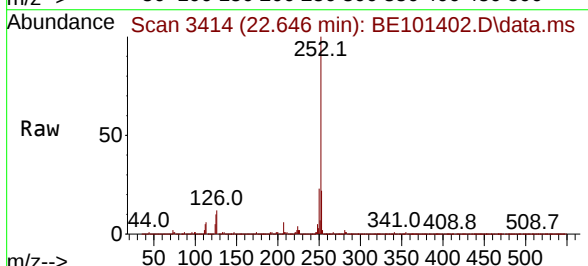
Delta R.T. -0.013 min

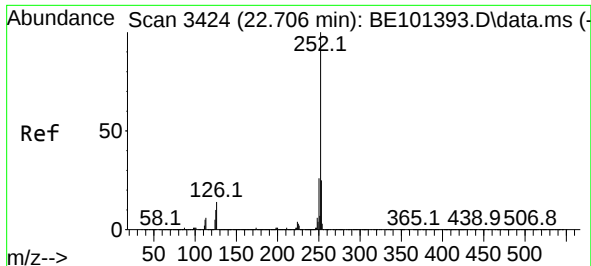
Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion: 252 Resp: 373051

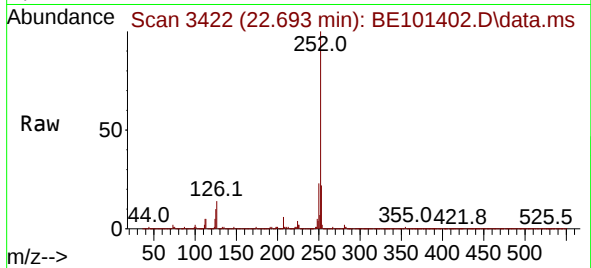
Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.0	28.6
125	10.1	8.2	12.2





#89
Benzo(k)fluoranthene
Concen: 5.407 ng
RT: 22.693 min Scan# 3424
Delta R.T. -0.013 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

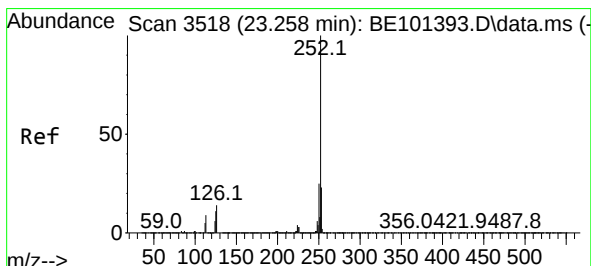
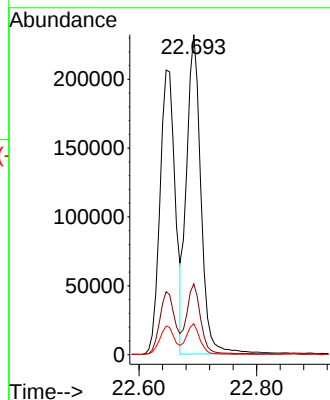
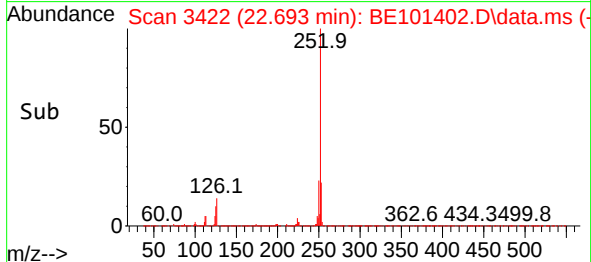
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 390474
Ion Ratio Lower Upper
252 100
253 22.2 19.4 29.2
125 9.7 8.2 12.2

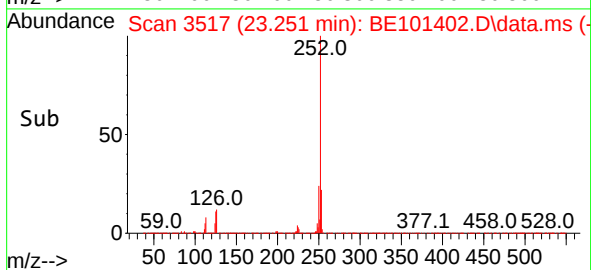
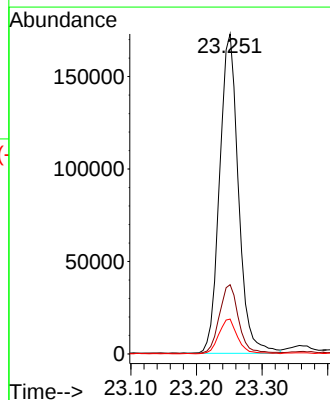
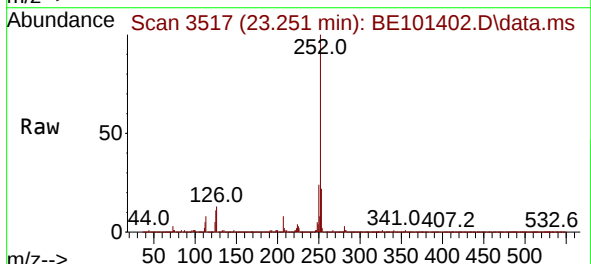
Manual Integrations
APPROVED

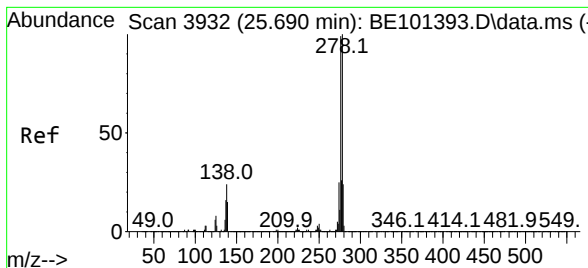
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#90
Benzo(a)pyrene
Concen: 5.087 ng
RT: 23.251 min Scan# 3517
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:252 Resp: 343864
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 10.9 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 4.905 ng

RT: 25.660 min Scan# 3932

Delta R.T. -0.030 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:278 Resp: 40228

Ion Ratio Lower Upper

278 100

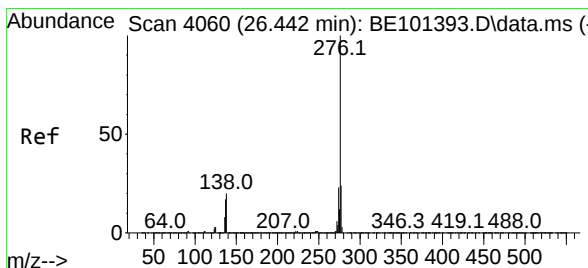
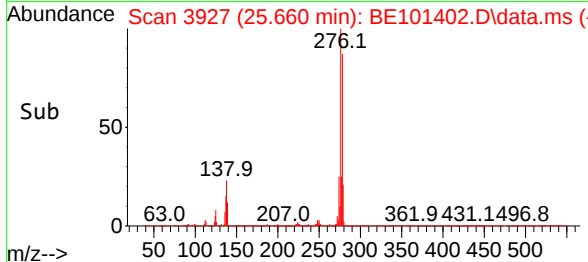
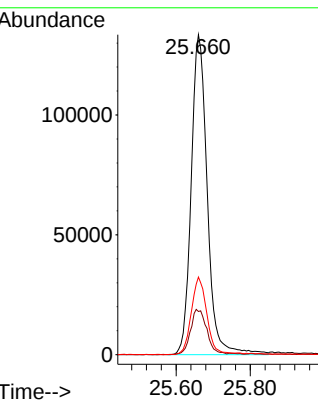
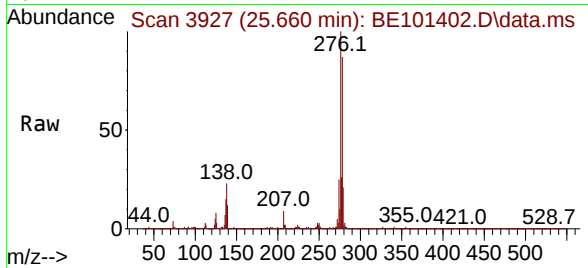
139 13.5 11.9 17.9

279 24.2 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: 4.510 ng

RT: 26.412 min Scan# 4055

Delta R.T. -0.030 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion:276 Resp: 381131

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.2

138 19.6 15.8 23.6

