

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101407.D
 Acq On : 29 Oct 2024 15:08
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 29 15:45:39 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	7.573	152	115718	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	571894	20.000	ng	0.00
39) Acenaphthene-d10	14.177	164	432347	20.000	ng	0.00
64) Phenanthrene-d10	16.915	188	1011839	20.000	ng	0.00
76) Chrysene-d12	21.075	240	1139291	20.000	ng	0.00
86) Perylene-d12	23.360	264	1430347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.317	112	648717	98.255	ng	0.00
7) Phenol-d6	6.944	99	933982	102.020	ng	0.00
23) Nitrobenzene-d5	8.783	82	671661	73.766	ng	0.00
42) 2,4,6-Tribromophenol	15.687	330	808898	106.748	ng	0.00
45) 2-Fluorobiphenyl	12.802	172	1885557	73.859	ng	0.00
79) Terphenyl-d14	19.506	244	3502256	70.751	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.219	88	21972	8.923	ng	99
3) Pyridine	3.754	79	44895m	6.444	ng	
4) n-Nitrosodimethylamine	3.613	42	22736m	8.434	ng	
6) Aniline	7.015	93	79230m	11.293	ng	
8) 2-Chlorophenol	7.214	128	69834	8.819	ng	96
9) Benzaldehyde	6.785	77	50985	11.537	ng	98
10) Phenol	6.968	94	88986m	8.958	ng	
11) bis(2-Chloroethyl)ether	7.044	93	64465m	7.911	ng	
12) 1,3-Dichlorobenzene	7.455	146	73040	8.554	ng	97
13) 1,4-Dichlorobenzene	7.608	146	74289	8.520	ng	97
14) 1,2-Dichlorobenzene	7.937	146	73508	8.612	ng	99
15) Benzyl Alcohol	7.913	79	49774	9.121	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.066	45	97539	9.512	ng	99
17) 2-Methylphenol	8.154	107	53177	7.910	ng	97
18) Hexachloroethane	8.630	117	24159	8.484	ng	98
19) n-Nitroso-di-n-propyla...	8.372	70	56861	9.360	ng	98
20) 3+4-Methylphenols	8.489	107	74267	8.003	ng	97
22) Acetophenone	8.425	105	116204	8.949	ng	# 99
24) Nitrobenzene	8.824	77	82704	8.534	ng	98
25) Isophorone	9.271	82	158983	8.948	ng	98
26) 2-Nitrophenol	9.512	139	37896	8.091	ng	100
27) 2,4-Dimethylphenol	9.623	122	40286	6.835	ng	98
28) bis(2-Chloroethoxy)met...	9.776	93	93006	8.631	ng	99
29) 2,4-Dichlorophenol	10.058	162	66501	8.156	ng	99
30) 1,2,4-Trichlorobenzene	10.181	180	74190	8.352	ng	98
31) Naphthalene	10.387	128	252633	8.669	ng	98
32) Benzoic acid	9.823	122	23609m	11.443	ng	
33) 4-Chloroaniline	10.616	127	99709	9.839	ng	99
34) Hexachlorobutadiene	10.640	225	42318	8.048	ng	97
35) Caprolactam	11.380	113	24202m	7.743	ng	
36) 4-Chloro-3-methylphenol	11.780	107	77383	8.335	ng	98
37) 2-Methylnaphthalene	11.979	142	184913	8.807	ng	98
38) 1-Methylnaphthalene	12.203	142	174662	8.335	ng	100
40) 1,2,4,5-Tetrachloroben...	12.332	216	92030	8.479	ng	99
41) Hexachlorocyclopentadiene	12.314	237	25577	7.136	ng	100
43) 2,4,6-Trichlorophenol	12.649	196	61223	8.182	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.749	196	68949	8.047	ng	97
46) 1,1'-Biphenyl	13.008	154	266977	9.013	ng	99
47) 2-Chloronaphthalene	13.049	162	195424	8.351	ng	99
48) 2-Nitroaniline	13.384	65	48102	7.638	ng	95
49) Acenaphthylene	13.912	152	324223	9.368	ng	99
50) Dimethylphthalate	13.683	163	274325	8.989	ng	99
51) 2,6-Dinitrotoluene	13.818	165	56109	7.963	ng	99
52) Acenaphthene	14.241	154	194427	8.604	ng	99
53) 3-Nitroaniline	14.230	138	58857	8.401	ng	98
54) 2,4-Dinitrophenol	14.365	184	20299	9.387	ng	# 89
55) Dibenzofuran	14.582	168	325936	9.049	ng	98
56) 4-Nitrophenol	14.641	139	47224	7.360	ng	96
57) 2,4-Dinitrotoluene	14.600	165	74337	7.663	ng	# 87
58) Fluorene	15.223	166	269351	8.939	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.847	232	66979	8.461	ng	99
60) Diethylphthalate	15.005	149	280802	8.797	ng	98
61) 4-Chlorophenyl-phenyle...	15.211	204	129959	8.692	ng	98
62) 4-Nitroaniline	15.411	138	61650	7.908	ng	99
63) Azobenzene	15.505	77	247780	9.030	ng	98
65) 4,6-Dinitro-2-methylph...	15.340	198	35088	5.901	ng	93
66) n-Nitrosodiphenylamine	15.458	169	240022	8.945	ng	99
67) 4-Bromophenyl-phenylether	16.092	248	89275	8.388	ng	98
68) Hexachlorobenzene	16.198	284	116223	8.331	ng	99
69) Atrazine	16.386	200	86642	10.532	ng	99
70) Pentachlorophenol	16.603	266	56494m	7.035	ng	
71) Phenanthrene	16.956	178	457870	9.451	ng	98
72) Anthracene	17.044	178	443070	9.366	ng	97
73) Carbazole	17.373	167	434826	8.984	ng	98
74) Di-n-butylphthalate	17.820	149	479082	8.991	ng	97
75) Fluoranthene	18.959	202	551191	9.367	ng	95
77) Benzidine	19.212	184	186995	12.932	ng	99
78) Pyrene	19.330	202	592975	9.465	ng	96
80) Butylbenzylphthalate	20.181	149	241382	8.788	ng	97
81) Benzo(a)anthracene	21.051	228	631652	9.864	ng	95
82) 3,3'-Dichlorobenzidine	21.028	252	227196	9.057	ng	98
83) Chrysene	21.110	228	613259	9.905	ng	93
84) Bis(2-ethylhexyl)phtha...	20.881	149	323186	8.858	ng	# 95
85) Di-n-octyl phthalate	21.733	149	546397	9.124	ng	99
87) Indeno(1,2,3-cd)pyrene	25.663	276	879275	9.185	ng	99
88) Benzo(b)fluoranthene	22.649	252	656933	8.813	ng	97
89) Benzo(k)fluoranthene	22.690	252	693128	9.953	ng	97
90) Benzo(a)pyrene	23.248	252	621175	9.529	ng	97
91) Dibenzo(a,h)anthracene	25.663	278	718714	9.086	ng	98
92) Benzo(g,h,i)perylene	26.415	276	672798	8.255	ng	99

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

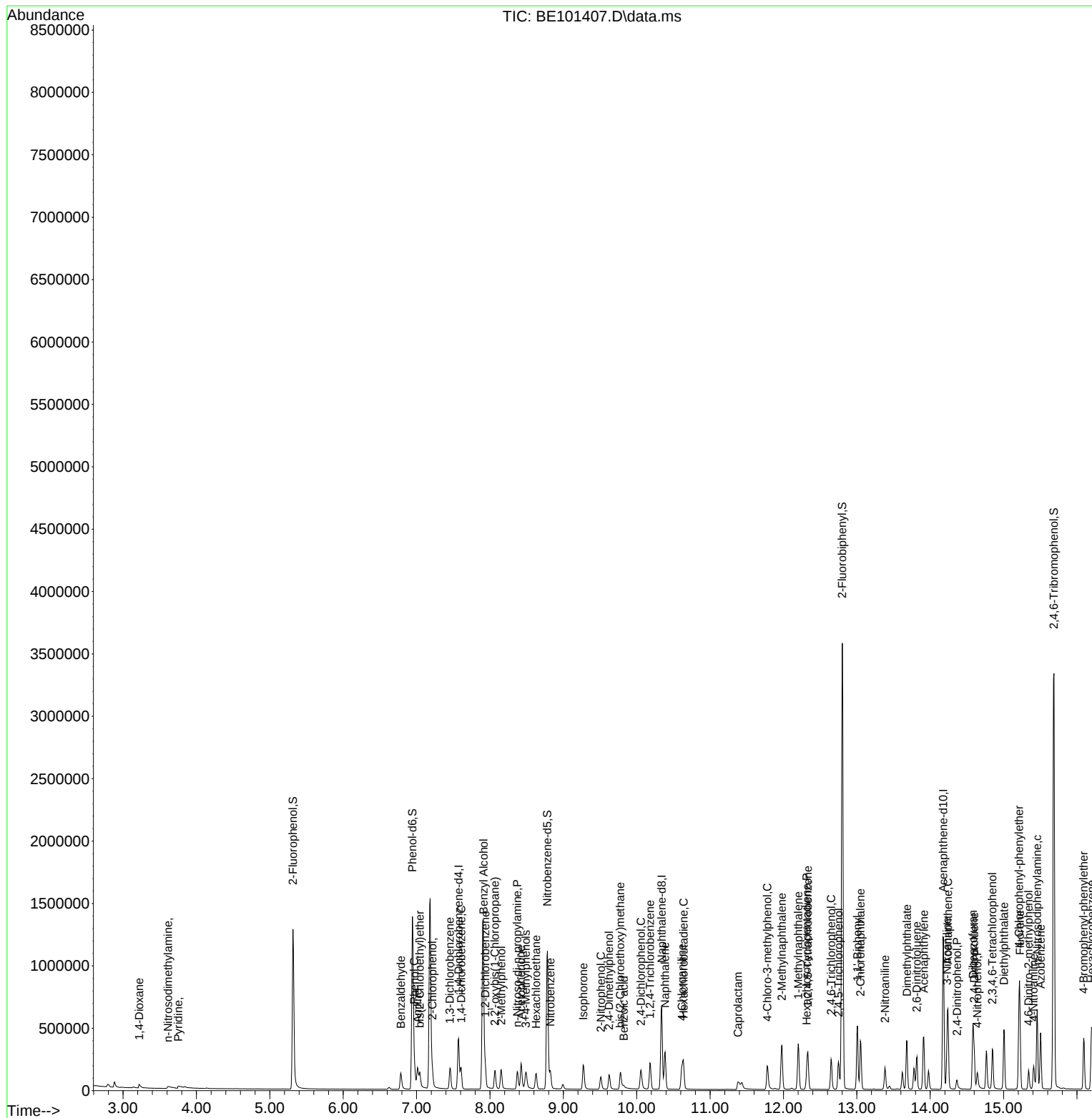
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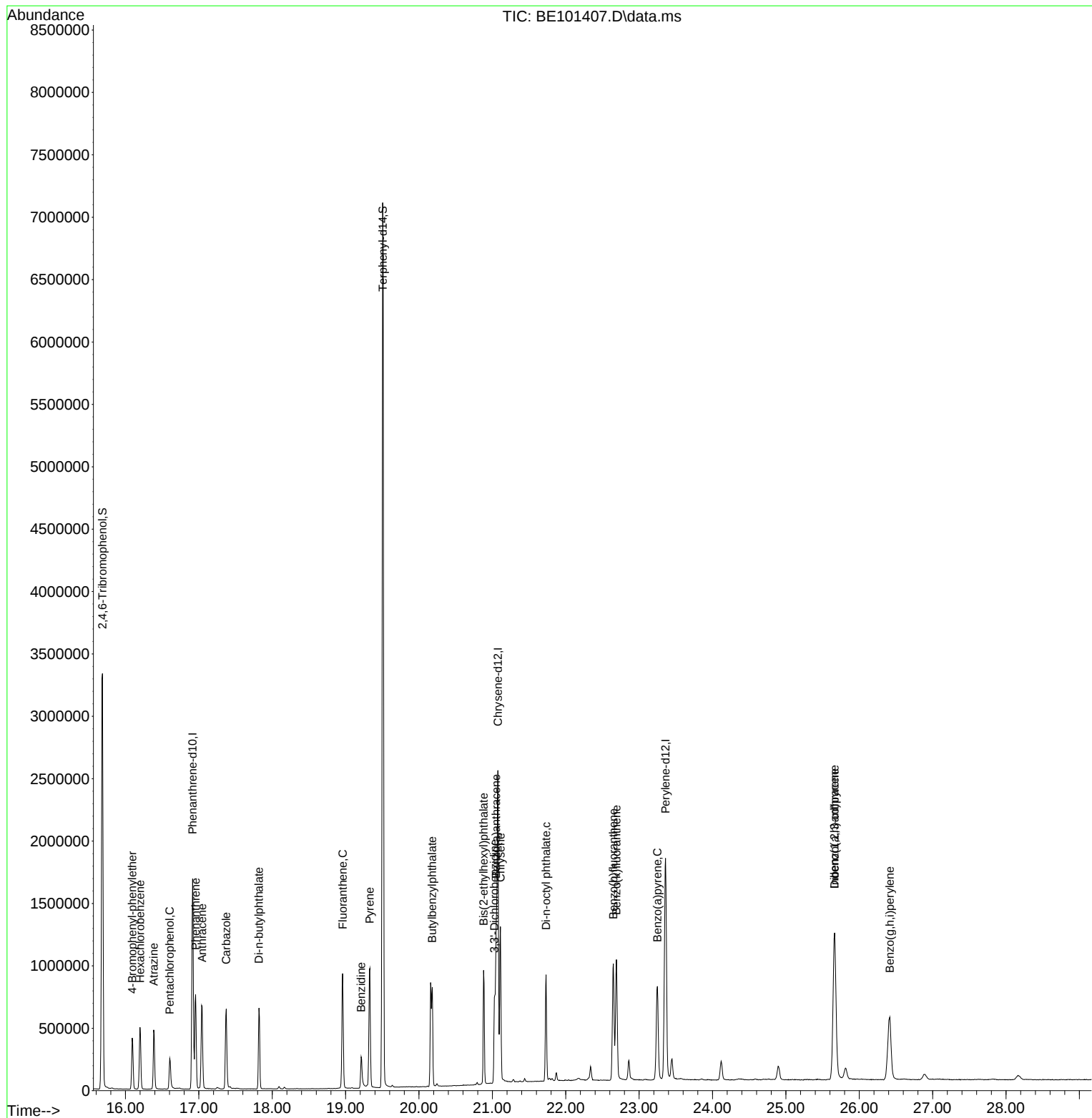
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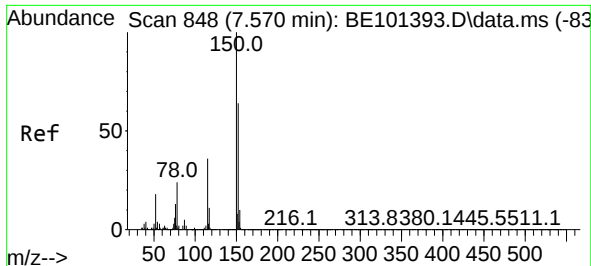
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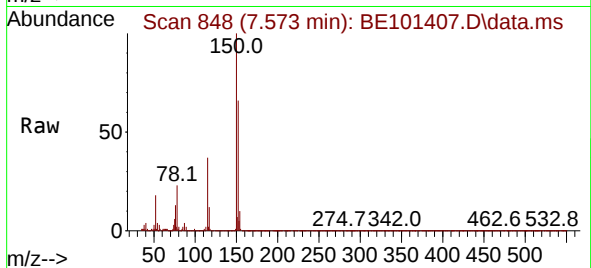
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.573 min Scan# 848
Delta R.T. 0.003 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

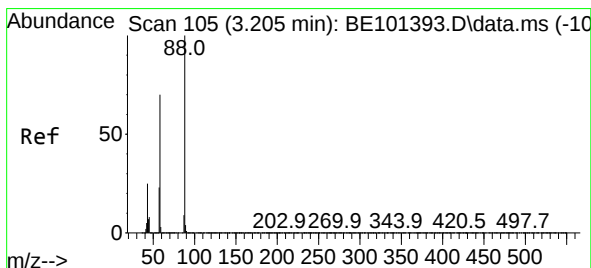
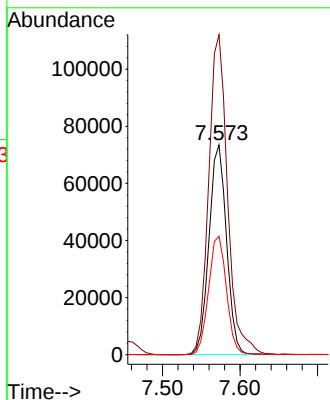
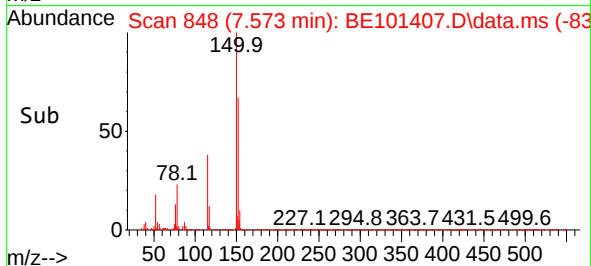
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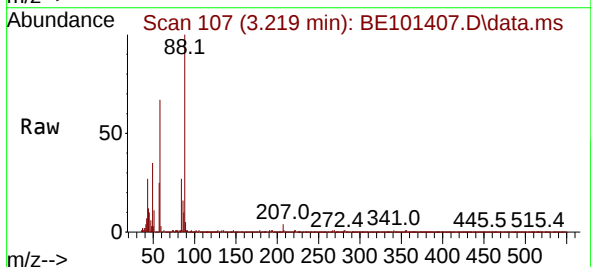
Tgt Ion:152 Resp: 115718
Ion Ratio Lower Upper
152 100
150 152.6 124.2 186.4
115 56.6 45.3 67.9

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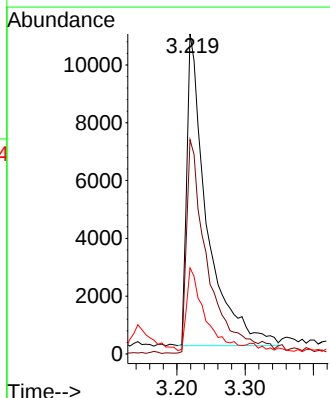
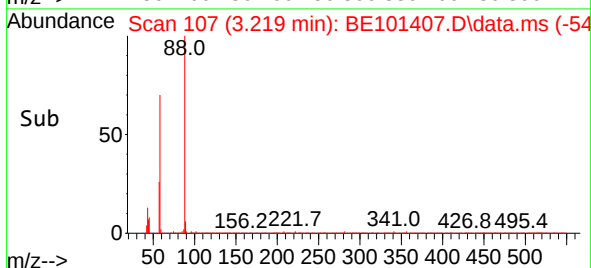
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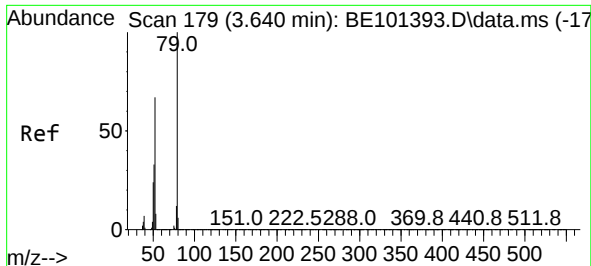


#2
1,4-Dioxane
Concen: 8.923 ng
RT: 3.219 min Scan# 107
Delta R.T. 0.014 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



Tgt Ion: 88 Resp: 21972
Ion Ratio Lower Upper
88 100
58 69.9 56.5 84.7
43 24.0 19.8 29.8





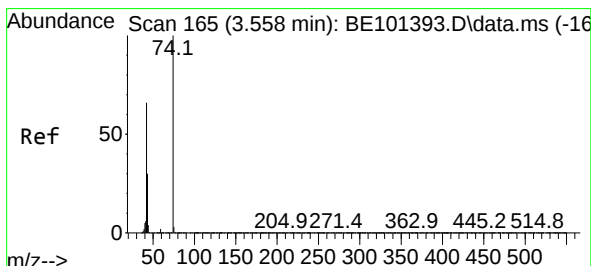
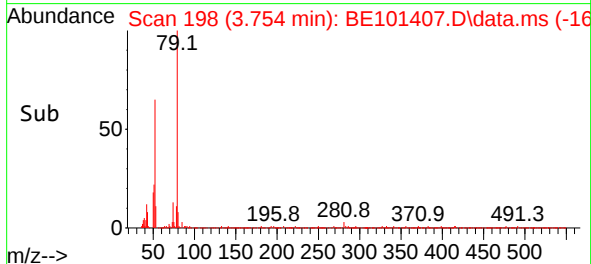
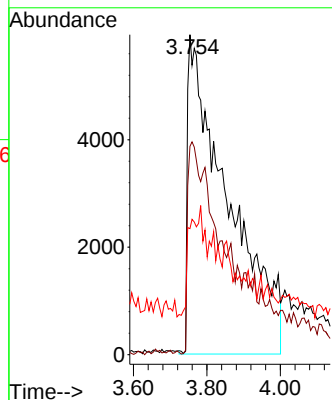
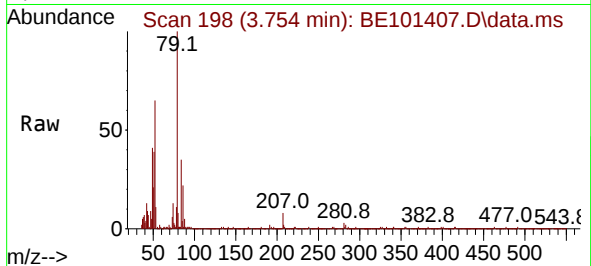
#3
Pyridine
Concen: 6.444 ng m
RT: 3.754 min Scan# 198
Delta R.T. 0.114 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion: 79 Resp: 4489
Ion Ratio Lower Upper
79 100
52 65.1 53.3 79.9
51 39.4 27.3 40.9

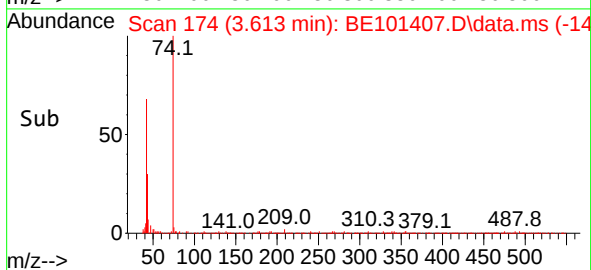
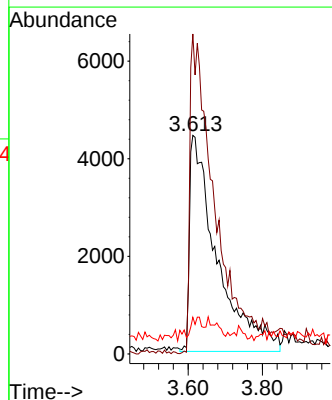
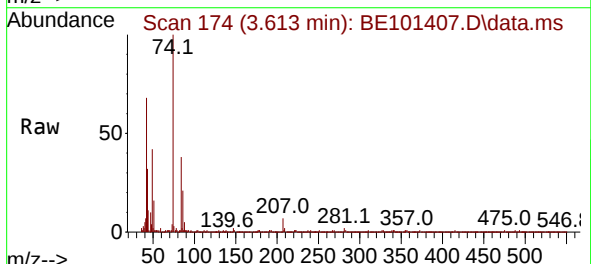
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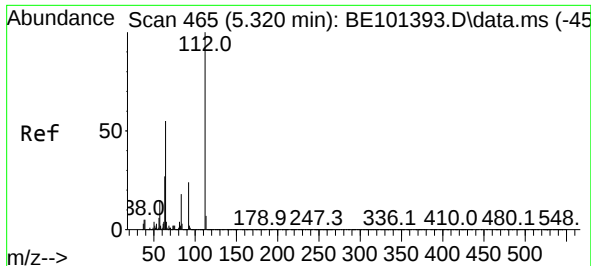
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#4
n-Nitrosodimethylamine
Concen: 8.434 ng m
RT: 3.613 min Scan# 174
Delta R.T. 0.055 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 42 Resp: 22736
Ion Ratio Lower Upper
42 100
74 146.4 121.4 182.0
44 16.8 5.6 8.4





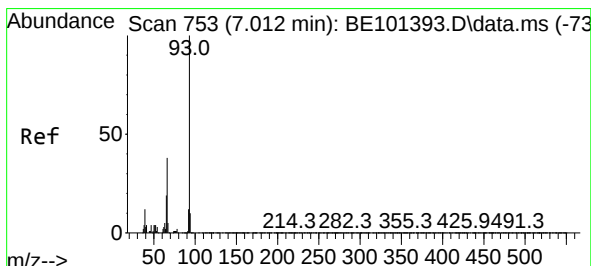
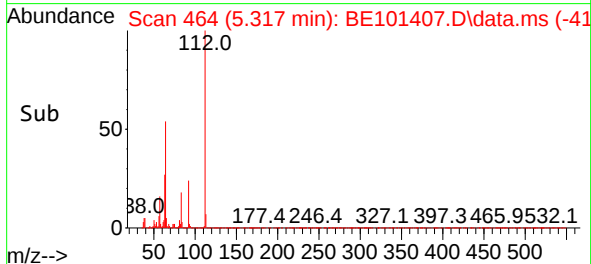
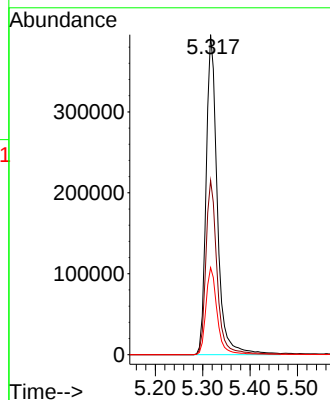
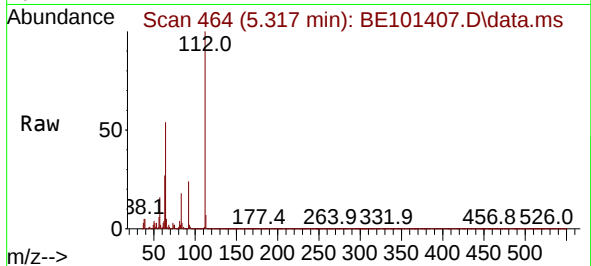
#5
2-Fluorophenol
Concen: 98.255 ng
RT: 5.317 min Scan# 465
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 64871
Ion Ratio Lower Upper
112 100
64 54.4 43.7 65.5
63 27.2 21.4 32.2

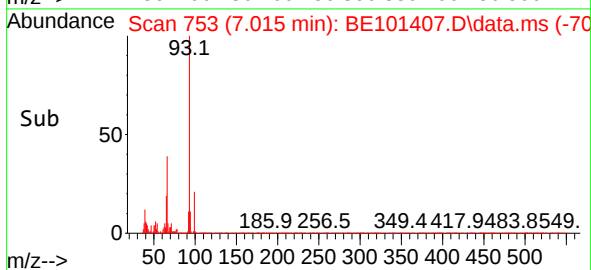
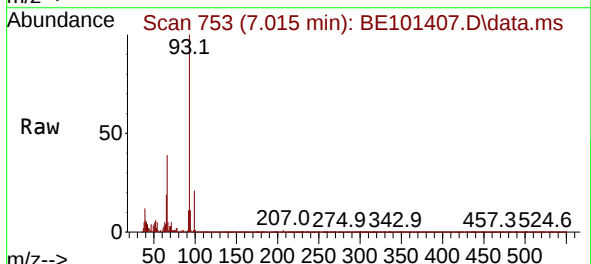
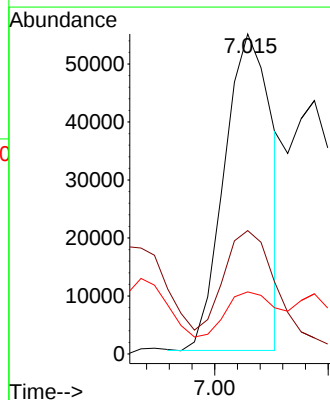
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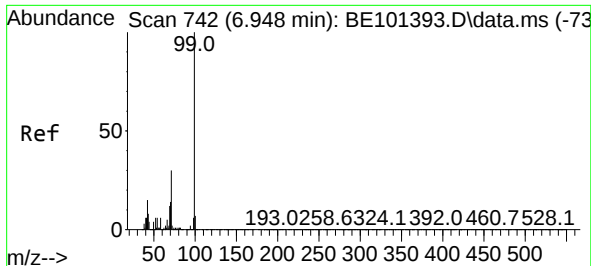
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#6
Aniline
Concen: 11.293 ng m
RT: 7.015 min Scan# 753
Delta R.T. 0.002 min
Lab File: BE101407.D
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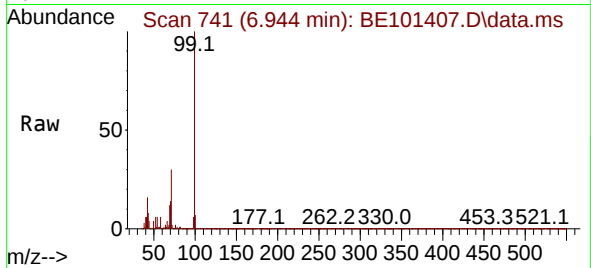
Tgt Ion: 93 Resp: 79230
Ion Ratio Lower Upper
93 100
66 38.5 31.0 46.4
65 19.4 15.5 23.3





#7
Phenol-d6
Concen: 102.020 ng
RT: 6.944 min Scan# 741
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

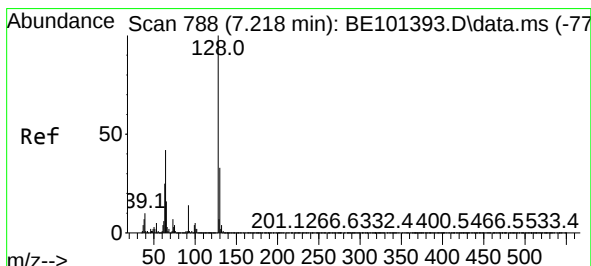
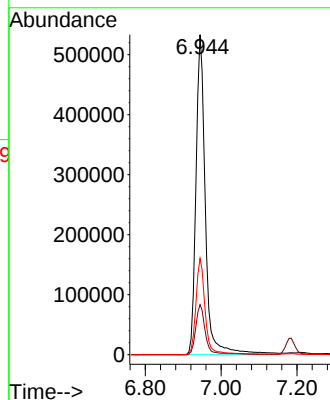
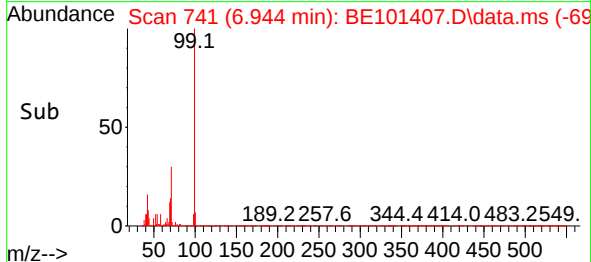
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 99 Resp: 93398
Ion Ratio Lower Upper
99 100
42 15.6 12.3 18.5
71 30.1 23.8 35.8

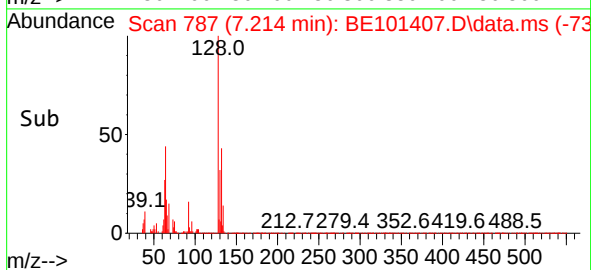
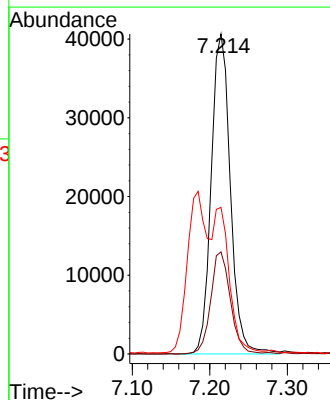
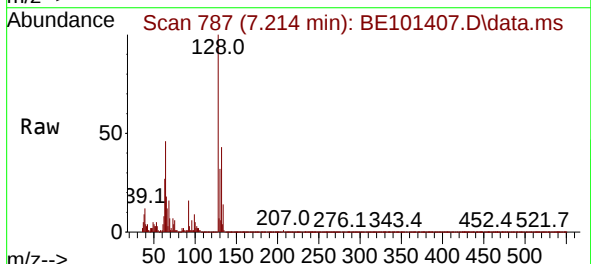
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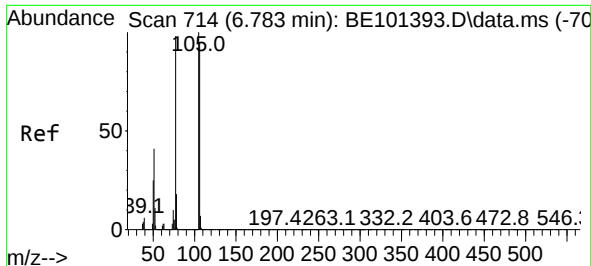
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Supervised By :mohammad ahmed 11/04/2024



#8
2-Chlorophenol
Concen: 8.819 ng
RT: 7.214 min Scan# 787
Delta R.T. -0.004 min
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Tgt Ion:128 Resp: 69834
Ion Ratio Lower Upper
128 100
130 31.9 12.9 52.9
64 45.8 22.3 62.3





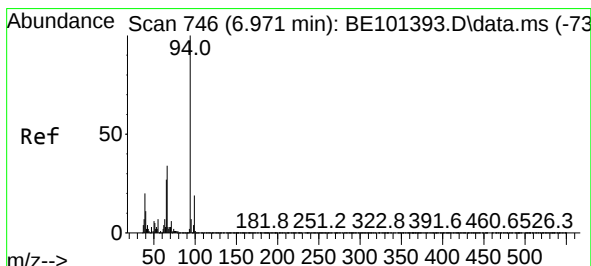
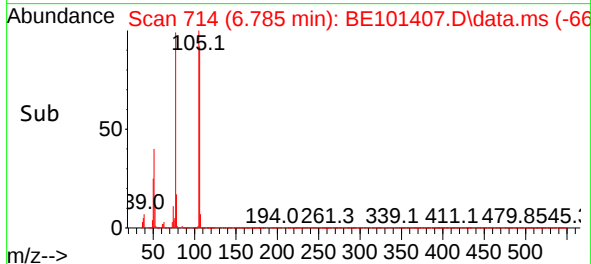
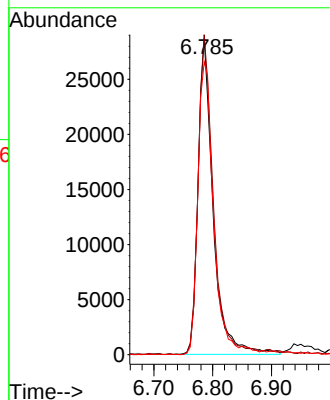
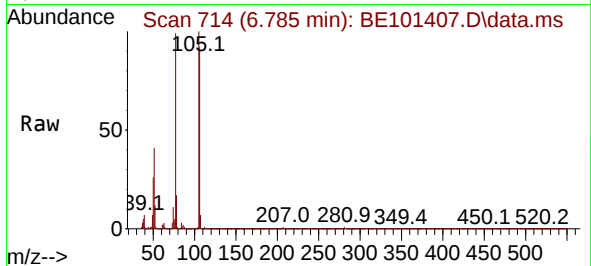
#9
Benzaldehyde
Concen: 11.537 ng
RT: 6.785 min Scan# 714
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion: 77 Resp: 50985
Ion Ratio Lower Upper
77 100
105 101.2 81.9 121.9
106 92.6 76.5 116.5

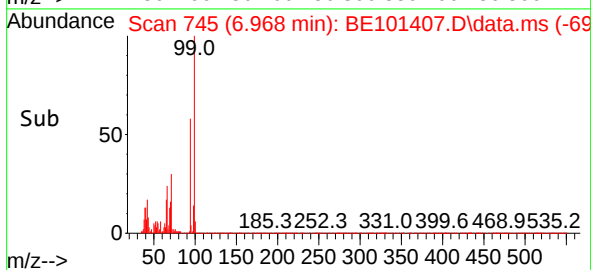
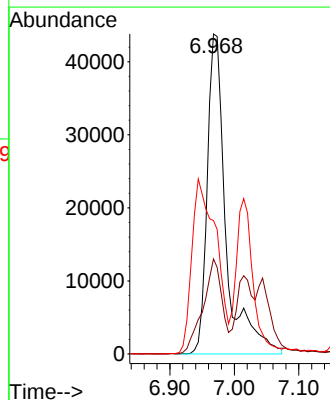
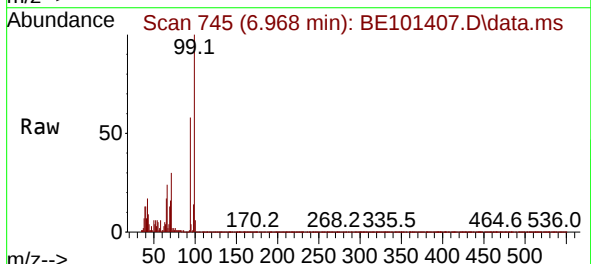
Manual Integrations
APPROVED

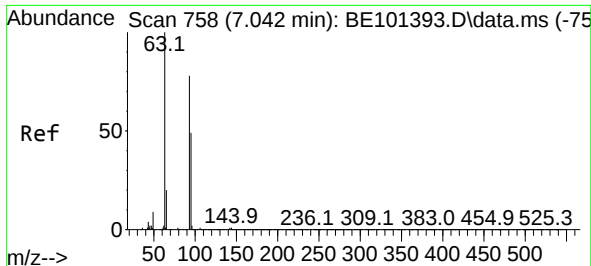
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#10
Phenol
Concen: 8.958 ng m
RT: 6.968 min Scan# 745
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

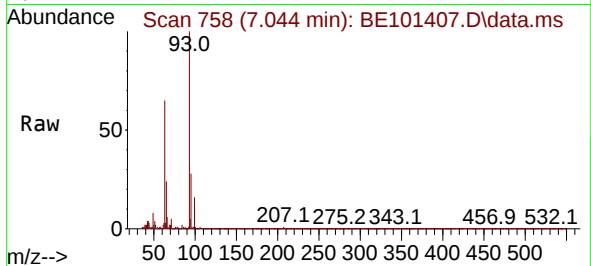
Tgt Ion: 94 Resp: 88986
Ion Ratio Lower Upper
94 100
65 29.7 6.8 46.8
66 41.7 14.0 54.0





#11
bis(2-Chloroethyl)ether
Concen: 7.911 ng m
RT: 7.044 min Scan# 7
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

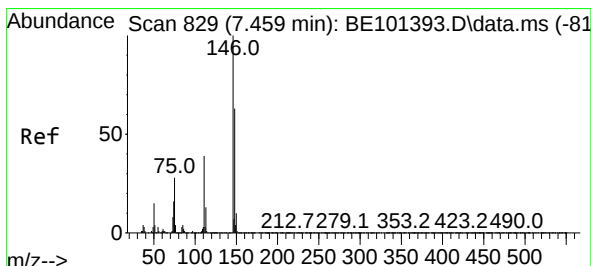
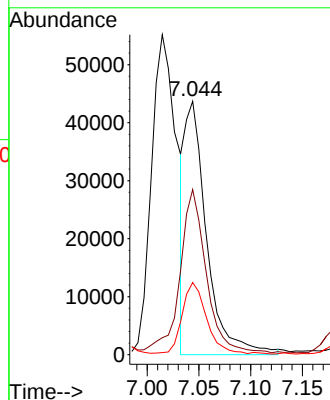
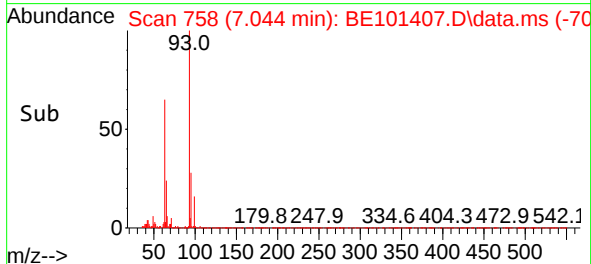
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



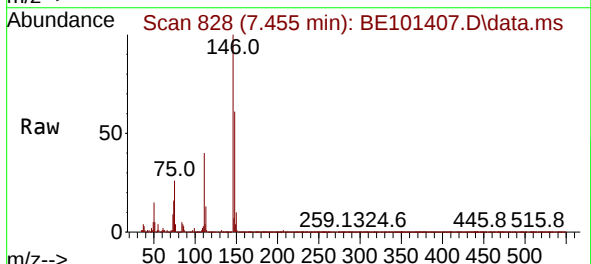
Tgt Ion: 93 Resp: 6446
Ion Ratio Lower Upper
93 100
63 65.2 46.3 86.3
95 28.5 9.6 49.6

Manual Integrations
APPROVED

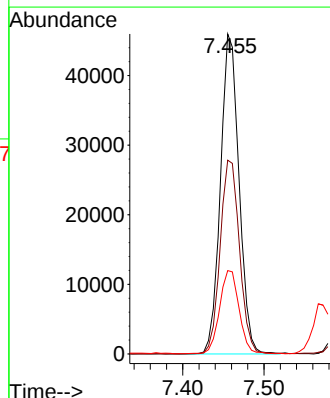
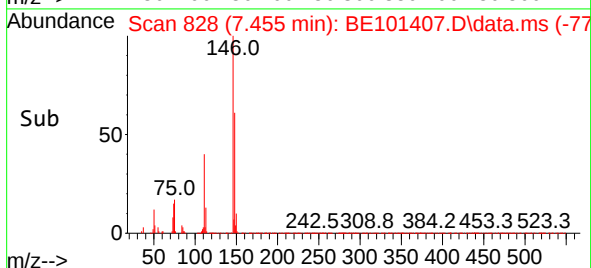
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

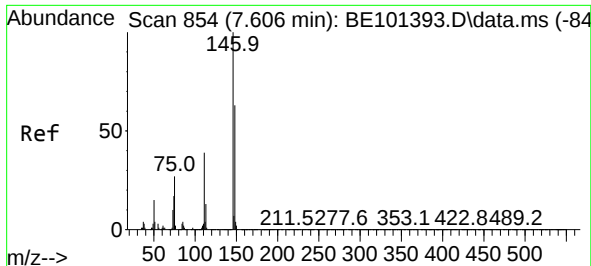


#12
1,3-Dichlorobenzene
Concen: 8.554 ng
RT: 7.455 min Scan# 828
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



Tgt Ion:146 Resp: 73040
Ion Ratio Lower Upper
146 100
148 60.6 50.5 75.7
75 26.0 22.0 33.0





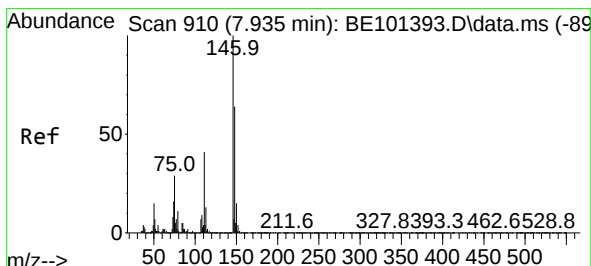
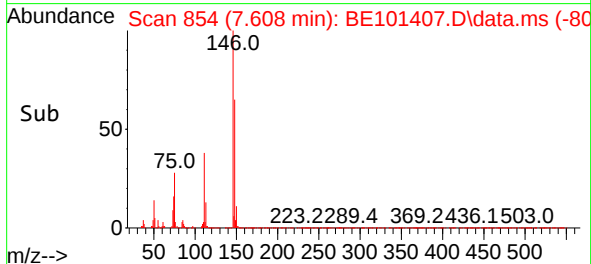
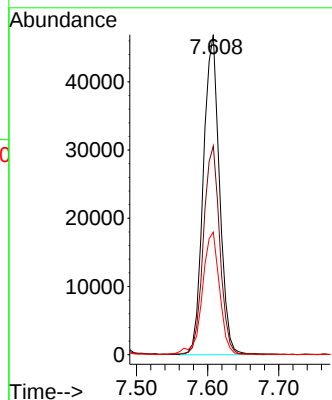
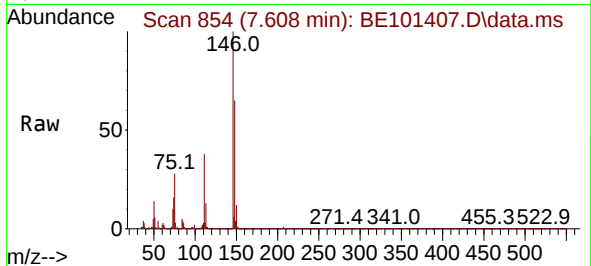
#13
1,4-Dichlorobenzene
Concen: 8.520 ng
RT: 7.608 min Scan# 81
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:146 Resp: 74289
Ion Ratio Lower Upper
146 100
148 65.2 50.2 75.2
111 38.3 31.6 47.4

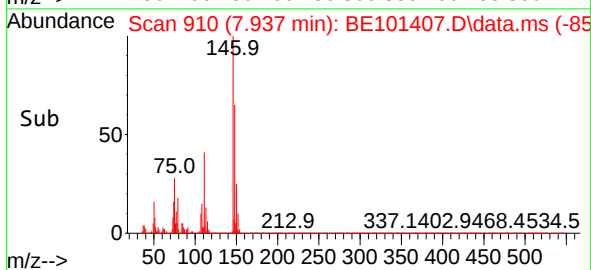
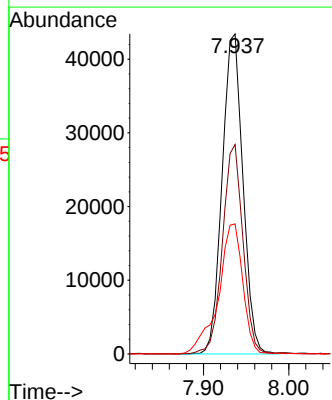
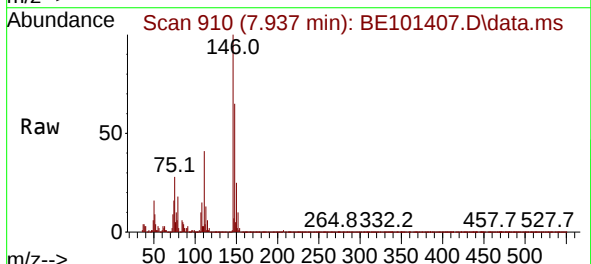
Manual Integrations
APPROVED

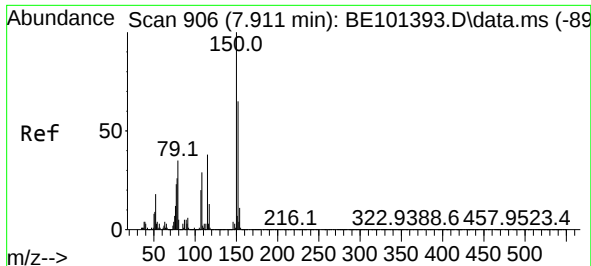
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#14
1,2-Dichlorobenzene
Concen: 8.612 ng
RT: 7.937 min Scan# 910
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

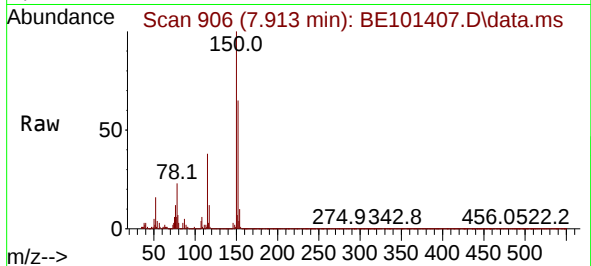
Tgt Ion:146 Resp: 73508
Ion Ratio Lower Upper
146 100
148 65.5 51.4 77.2
111 40.6 32.8 49.2





#15
Benzyl Alcohol
Concen: 9.121 ng
RT: 7.913 min Scan# 906
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

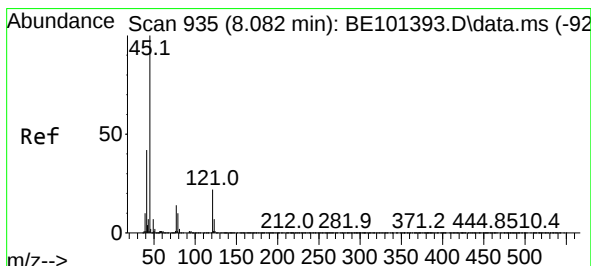
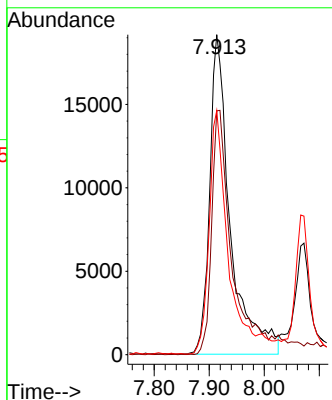
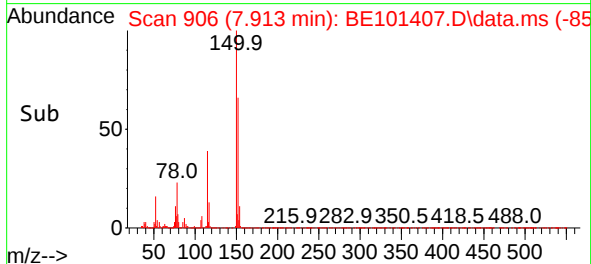
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 79 Resp: 49774
Ion Ratio Lower Upper
79 100
108 76.2 66.1 99.1
77 76.3 53.1 79.7

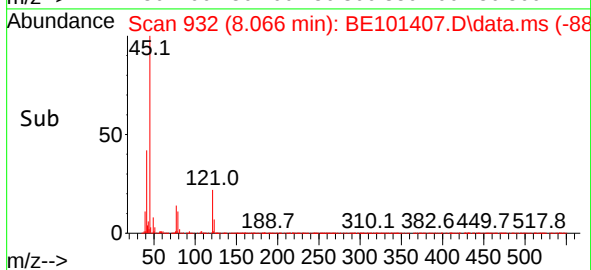
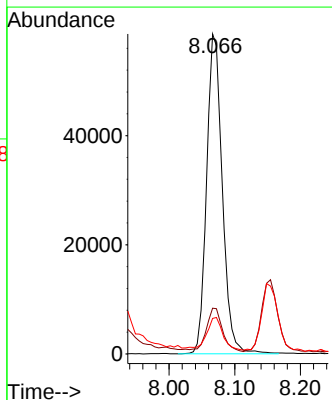
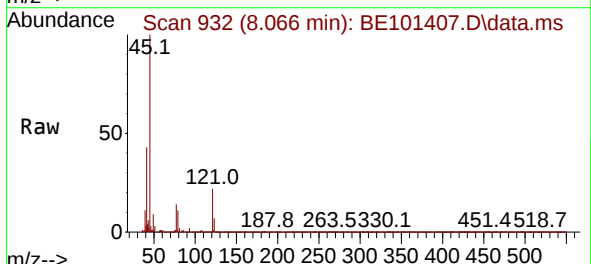
Manual Integrations
APPROVED

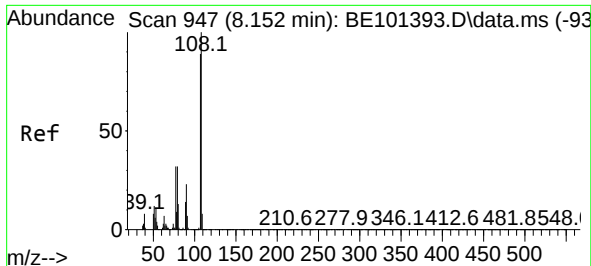
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.512 ng
RT: 8.066 min Scan# 932
Delta R.T. -0.015 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 45 Resp: 97539
Ion Ratio Lower Upper
45 100
77 14.3 0.0 34.5
79 11.1 0.0 31.8





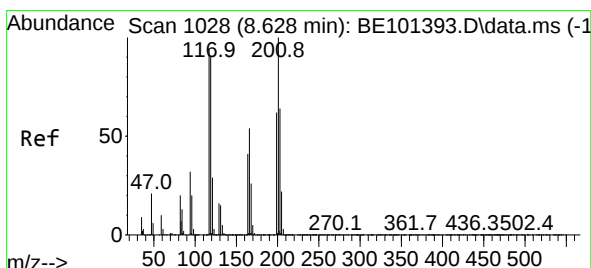
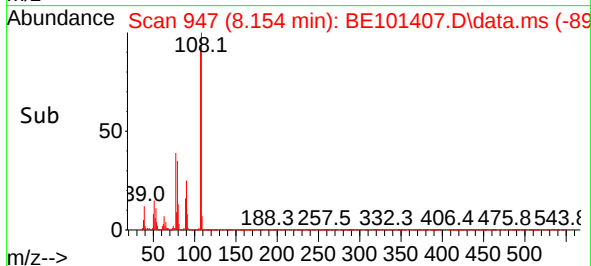
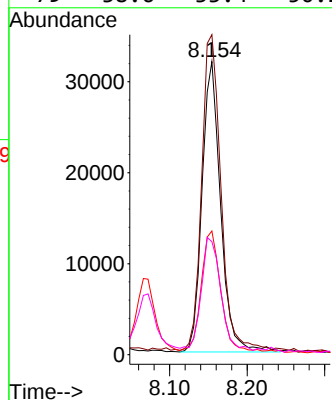
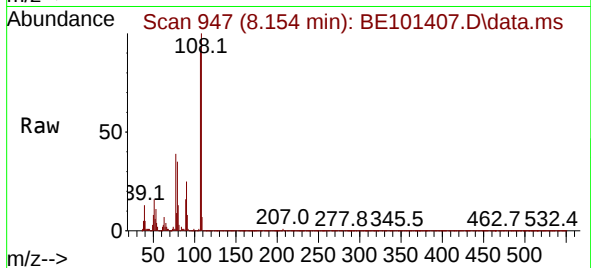
#17
2-Methylphenol
Concen: 7.910 ng
RT: 8.154 min Scan# 947
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:	107	Resp:	5317
Ion Ratio	Lower	Upper	
107	100		
108	109.2	90.0	135.0
77	42.2	34.2	51.4
79	38.6	33.4	50.2

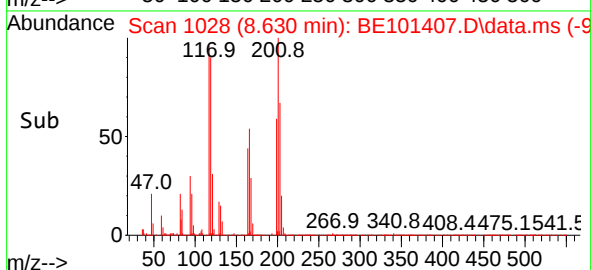
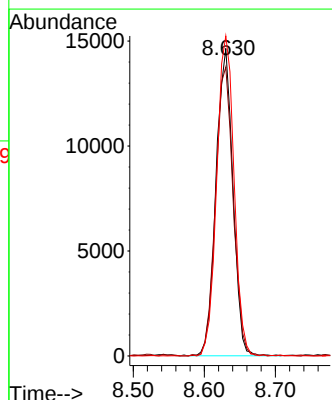
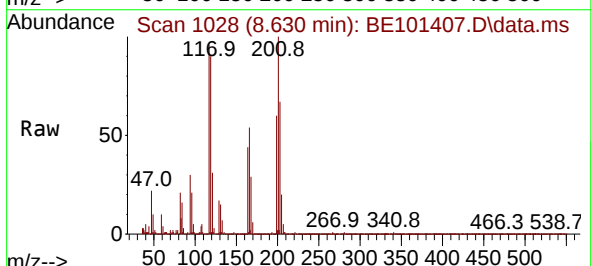
Manual Integrations
APPROVED

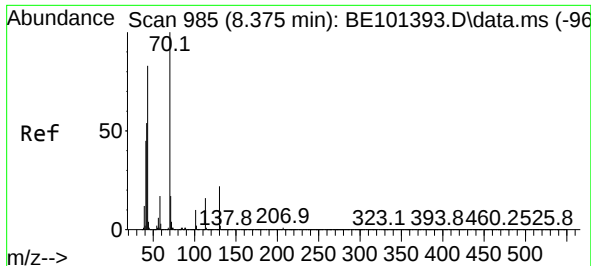
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#18
Hexachloroethane
Concen: 8.484 ng
RT: 8.630 min Scan# 1028
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

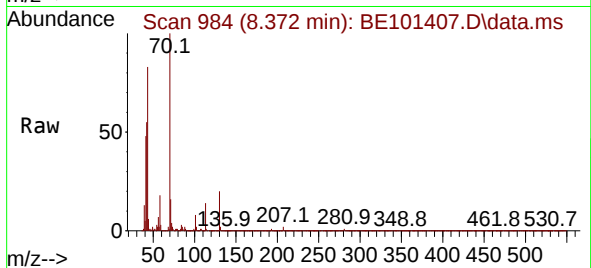
Tgt Ion:	117	Resp:	24159
Ion Ratio	Lower	Upper	
117	100		
119	94.0	77.0	115.4
201	104.1	85.3	127.9





#19
n-Nitroso-di-n-propylamine
Concen: 9.360 ng
RT: 8.372 min Scan# 91
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

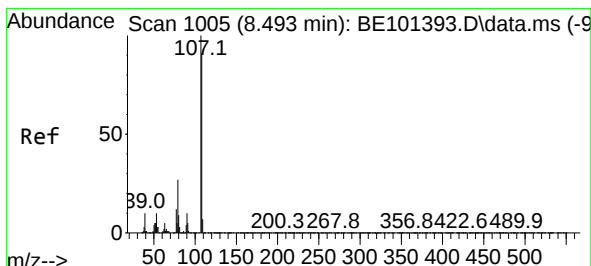
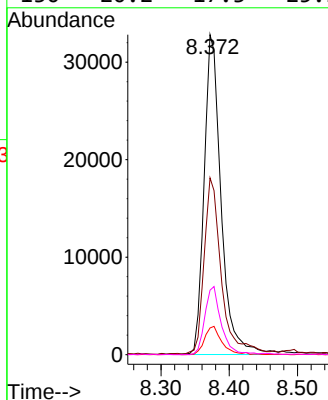
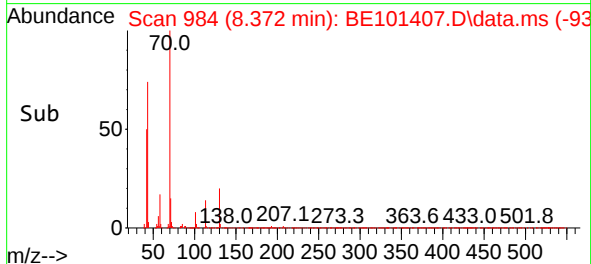
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



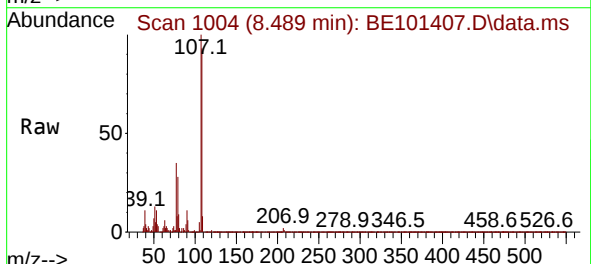
Tgt Ion: 70 Resp: 5686
Ion Ratio Lower Upper
70 100
42 55.3 43.4 65.0
101 8.4 8.1 12.1
130 20.2 17.3 25.9

Manual Integrations
APPROVED

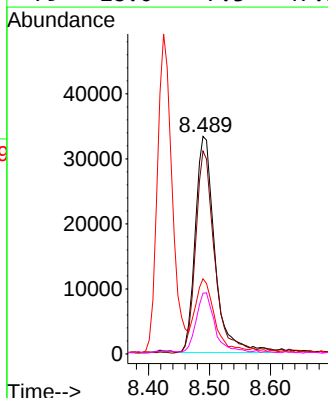
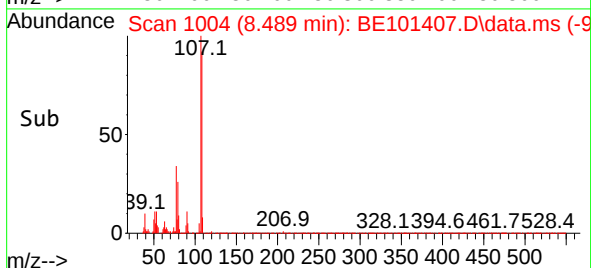
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

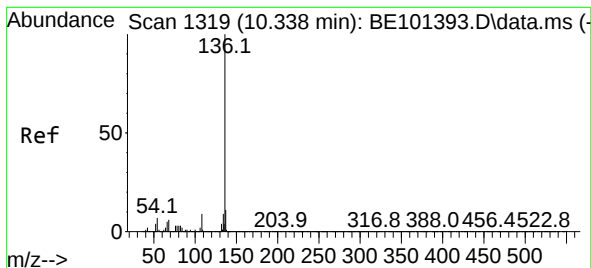


#20
3+4-Methylphenols
Concen: 8.003 ng
RT: 8.489 min Scan# 1004
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



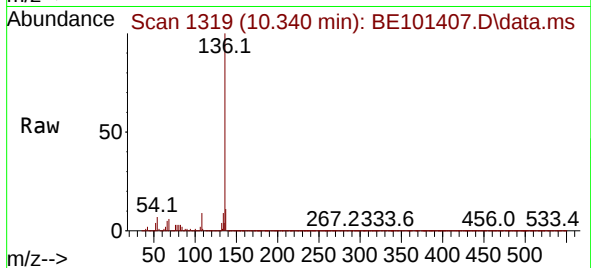
Tgt Ion:107 Resp: 74267
Ion Ratio Lower Upper
107 100
108 93.2 70.6 110.6
77 34.5 11.3 51.3
79 28.0 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

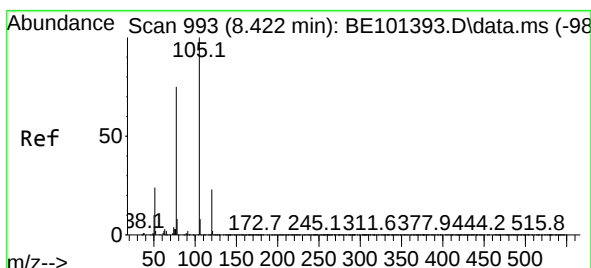
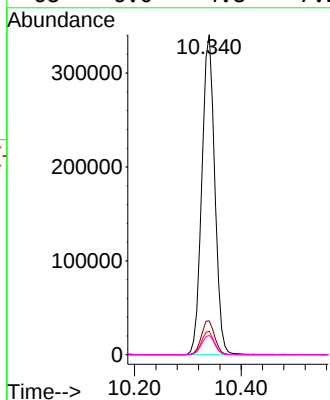
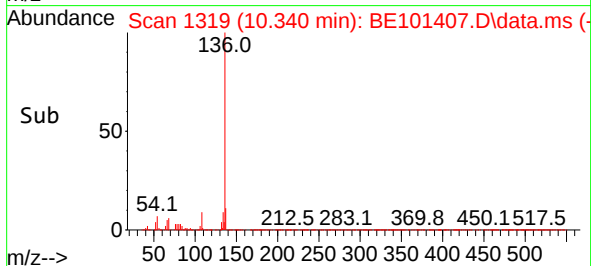
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:136 Resp: 571894
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 7.3 5.9 8.9
68 6.0 4.8 7.2

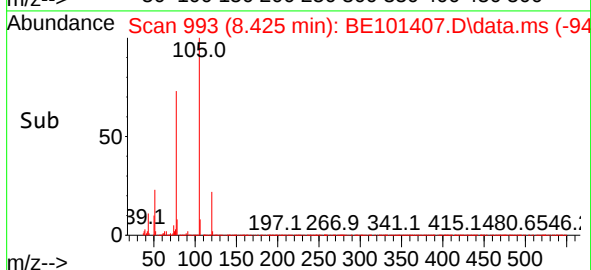
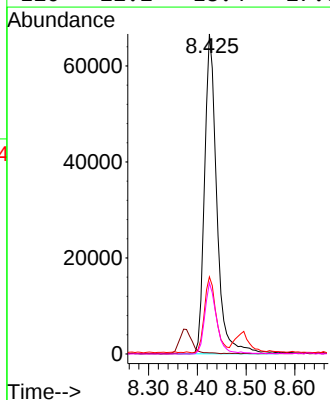
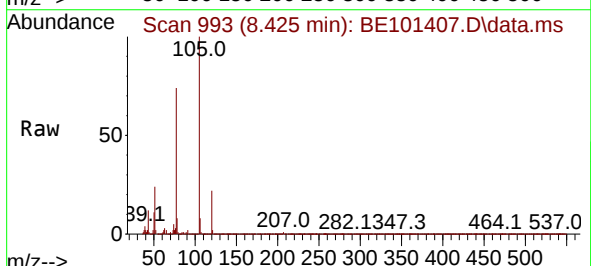
Manual Integrations
APPROVED

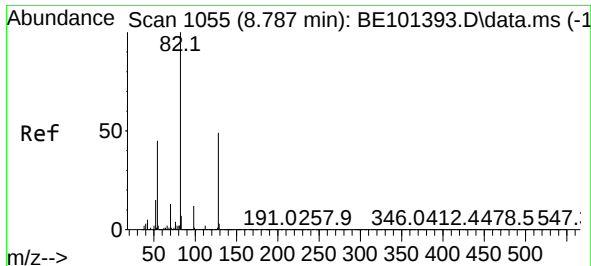
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#22
Acetophenone
Concen: 8.949 ng
RT: 8.425 min Scan# 993
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:105 Resp: 116204
Ion Ratio Lower Upper
105 100
71 0.3 0.1 0.1#
51 24.1 19.4 29.0
120 22.2 18.4 27.6





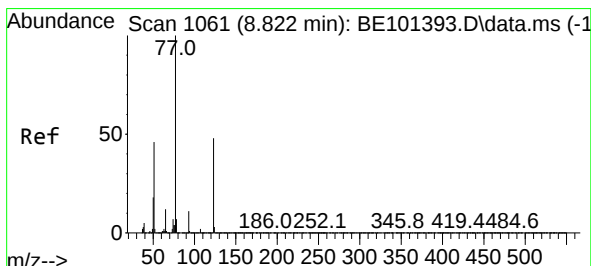
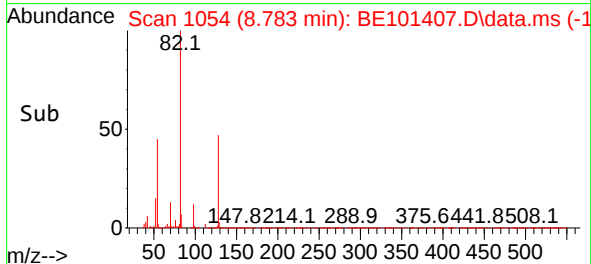
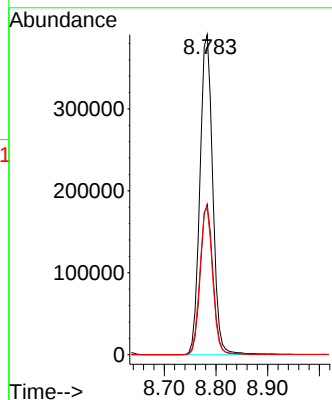
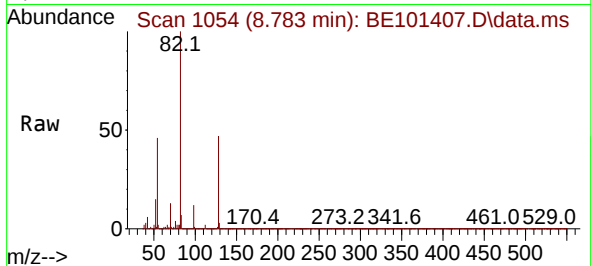
#23
Nitrobenzene-d5
Concen: 73.766 ng
RT: 8.783 min Scan# 1055
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion: 82 Resp: 67166
Ion Ratio Lower Upper
82 100
128 47.0 38.9 58.3
54 45.8 36.2 54.4

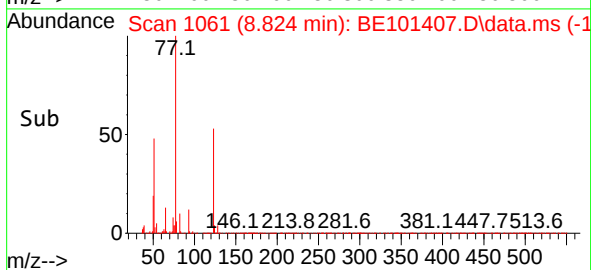
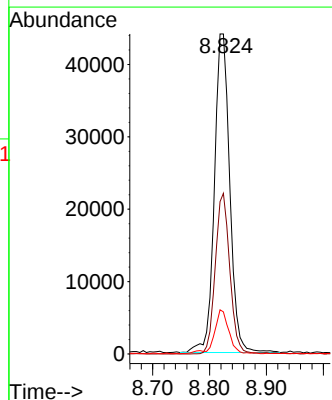
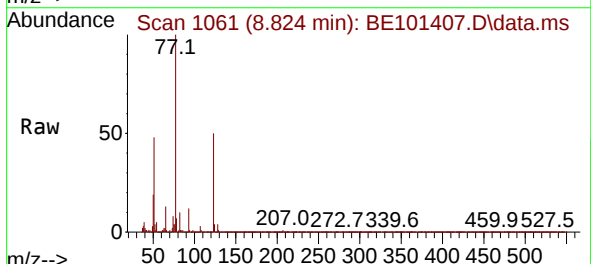
Manual Integrations
APPROVED

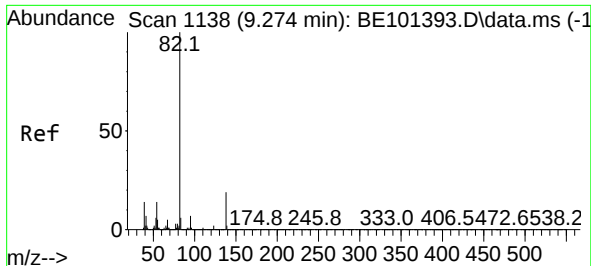
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#24
Nitrobenzene
Concen: 8.534 ng
RT: 8.824 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

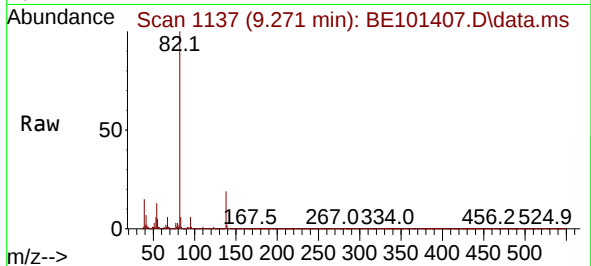
Tgt Ion: 77 Resp: 82704
Ion Ratio Lower Upper
77 100
123 50.2 38.7 58.1
65 13.2 10.0 15.0





#25
Isophorone
Concen: 8.948 ng
RT: 9.271 min Scan# 1138
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

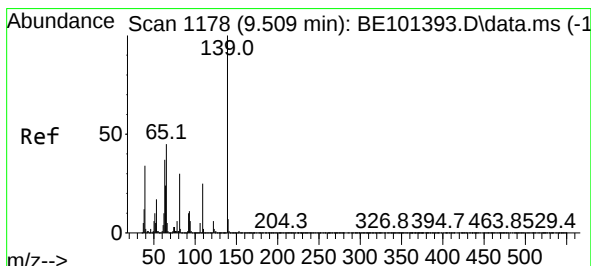
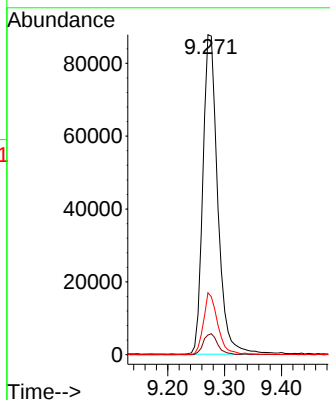
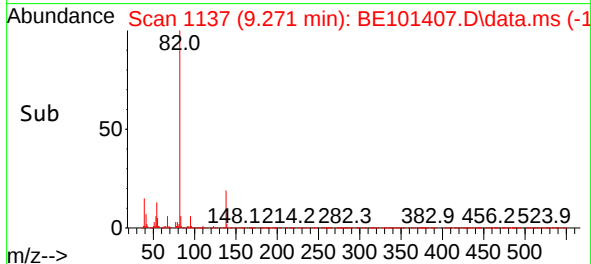
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 15898
Ion Ratio Lower Upper
82 100
95 6.2 5.5 8.3
138 19.4 15.0 22.4

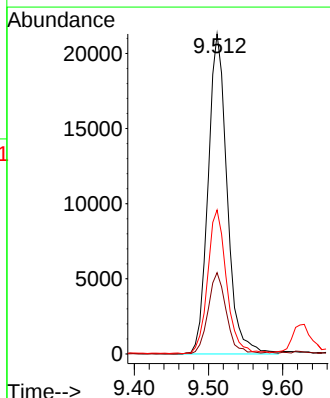
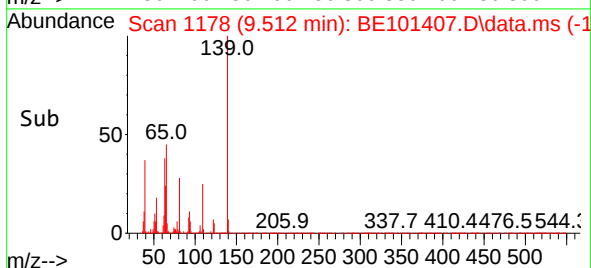
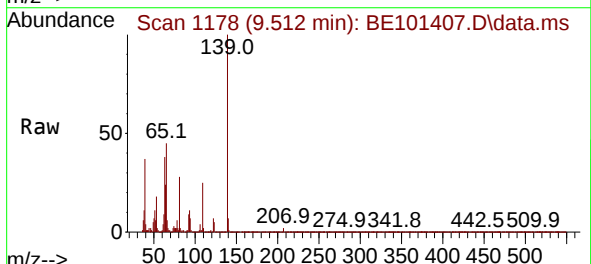
Manual Integrations
APPROVED

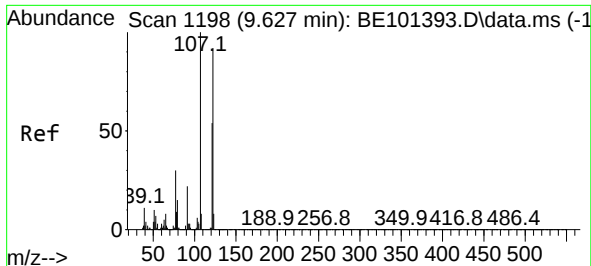
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#26
2-Nitrophenol
Concen: 8.091 ng
RT: 9.512 min Scan# 1178
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

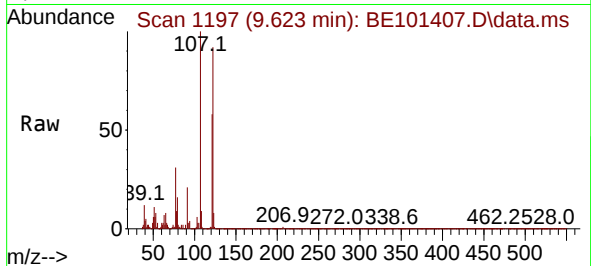
Tgt Ion:139 Resp: 37896
Ion Ratio Lower Upper
139 100
109 25.4 20.1 30.1
65 45.0 36.0 54.0





#27
2,4-Dimethylphenol
Concen: 6.835 ng
RT: 9.623 min Scan# 1198
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

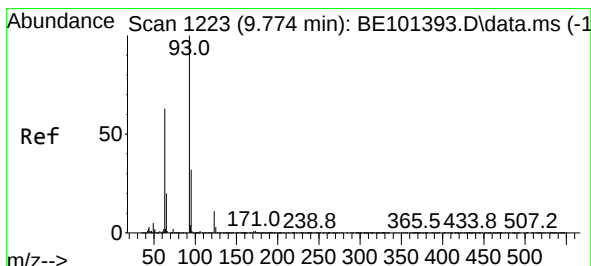
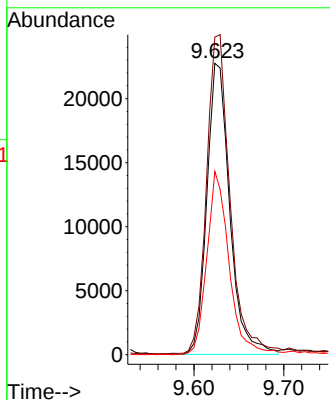
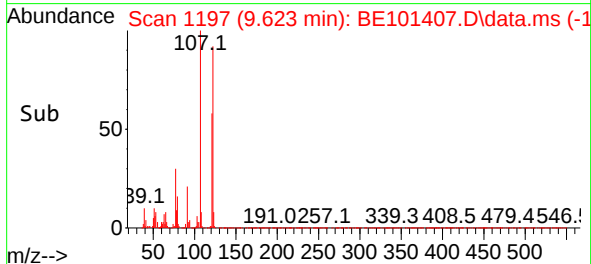
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 122 Resp: 40280
Ion Ratio Lower Upper
122 100
107 109.0 87.4 131.0
121 62.9 47.4 71.0

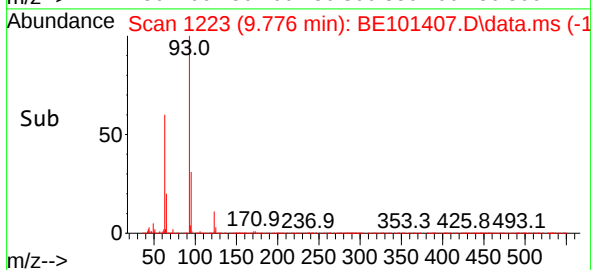
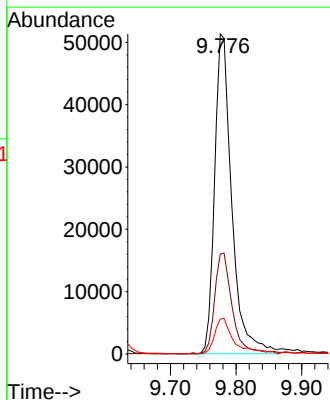
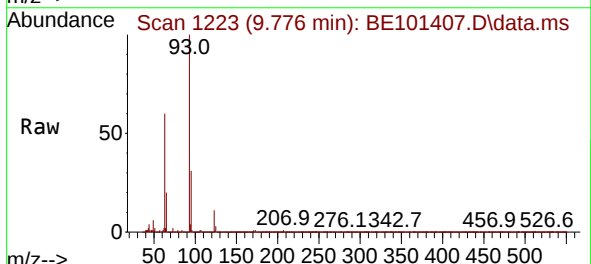
Manual Integrations
APPROVED

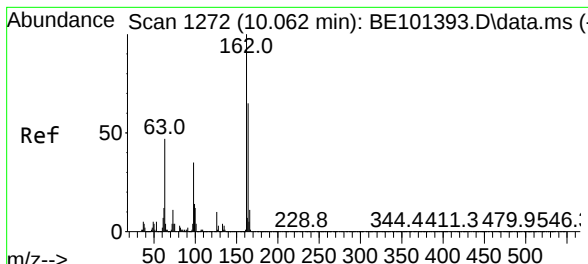
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.631 ng
RT: 9.776 min Scan# 1223
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion: 93 Resp: 93006
Ion Ratio Lower Upper
93 100
95 31.3 25.8 38.6
123 10.9 8.6 13.0





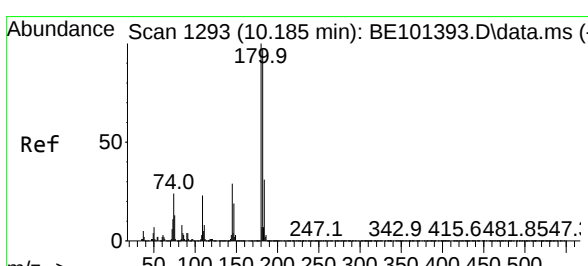
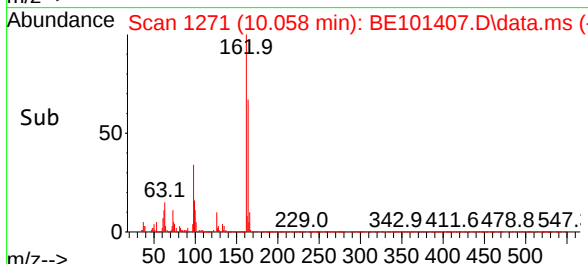
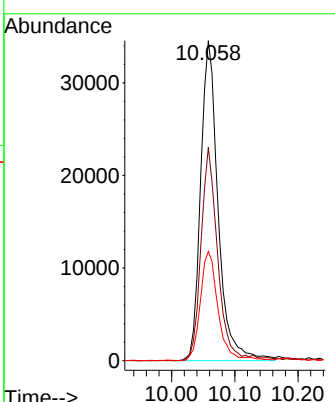
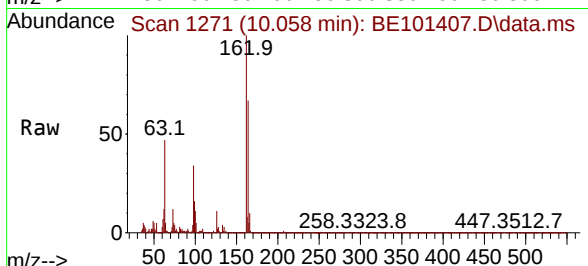
#29
 2,4-Dichlorophenol
 Concen: 8.156 ng
 RT: 10.058 min Scan# 1271
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

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

Tgt Ion:	162	Resp:	6650
Ion Ratio	Lower	Upper	
162	100		
164	66.7	45.4	85.4
98	34.1	14.5	54.5

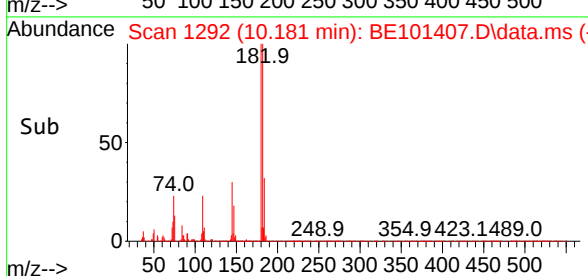
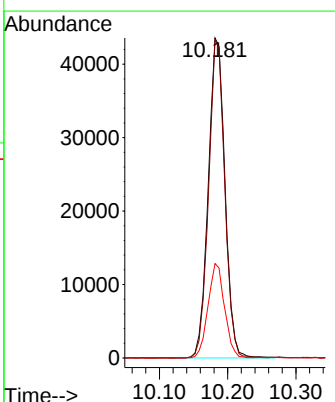
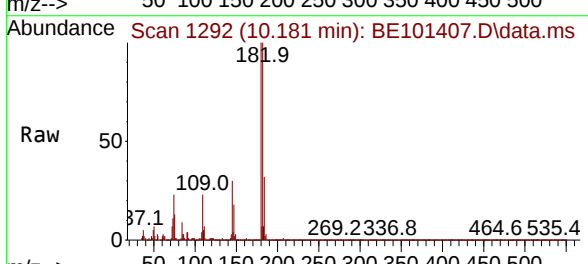
Manual Integrations
 APPROVED

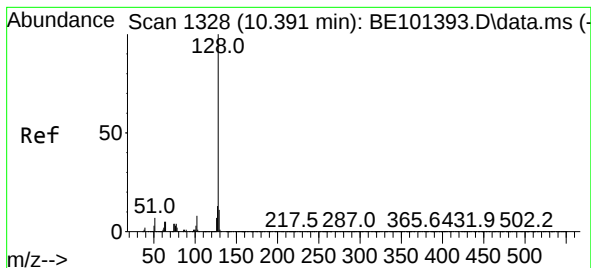
Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#30
 1,2,4-Trichlorobenzene
 Concen: 8.352 ng
 RT: 10.181 min Scan# 1292
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

Tgt Ion:	180	Resp:	74190
Ion Ratio	Lower	Upper	
180	100		
182	99.5	77.4	116.0
145	29.5	23.3	34.9





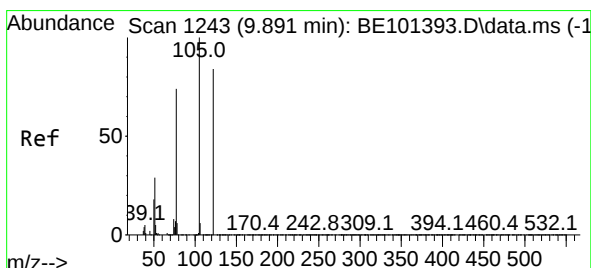
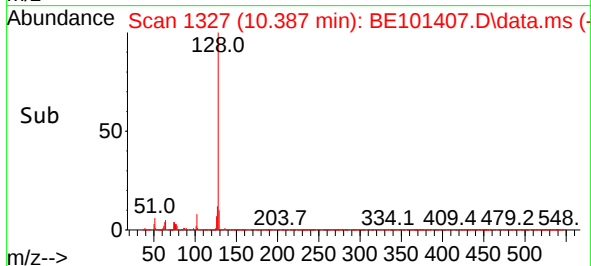
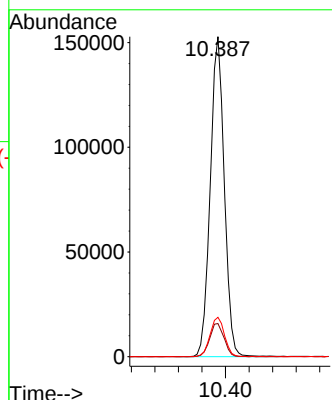
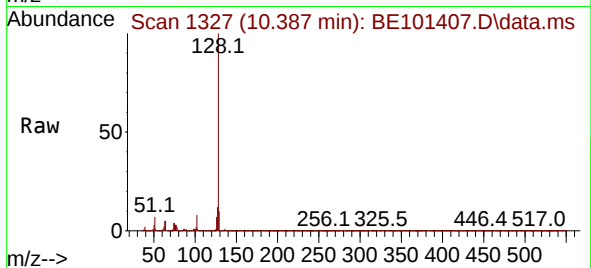
#31
Naphthalene
Concen: 8.669 ng
RT: 10.387 min Scan# 11
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:128 Resp: 25263
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.3 10.3 15.5

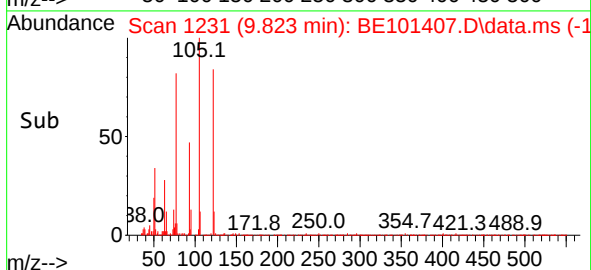
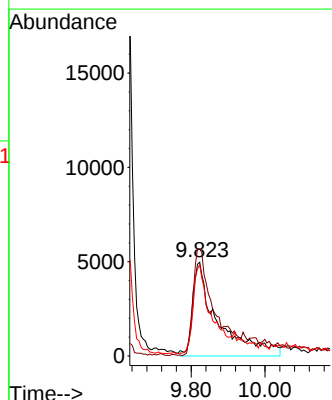
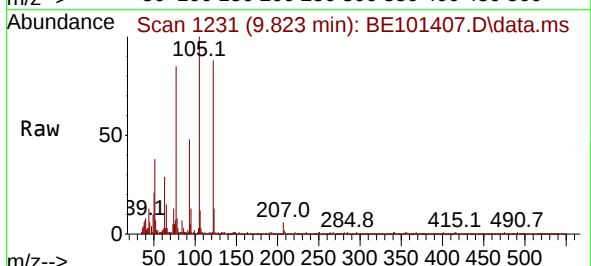
Manual Integrations
APPROVED

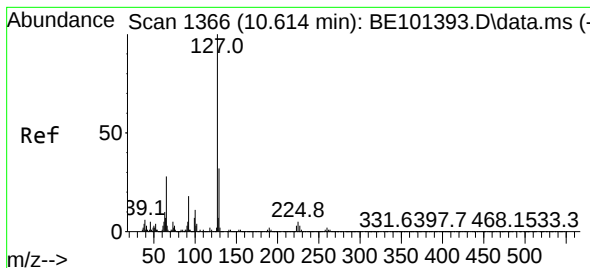
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#32
Benzoic acid
Concen: 11.443 ng m
RT: 9.823 min Scan# 1231
Delta R.T. -0.068 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

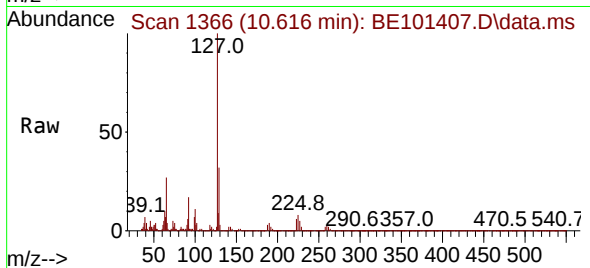
Tgt Ion:122 Resp: 23609
Ion Ratio Lower Upper
122 100
105 114.1 97.9 137.9
77 97.1 68.1 108.1





#33
4-Chloroaniline
Concen: 9.839 ng
RT: 10.616 min Scan# 1366
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

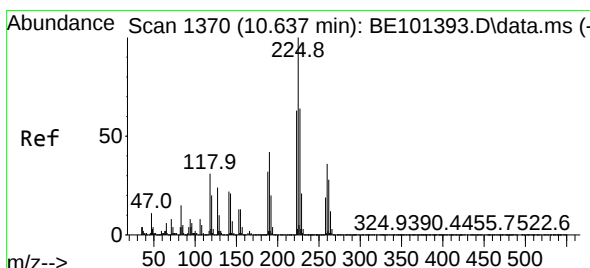
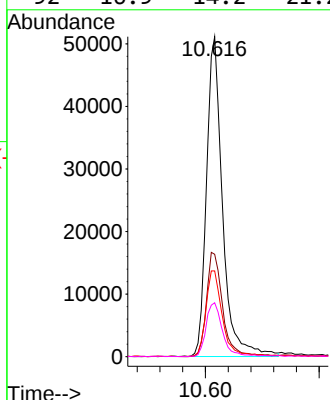
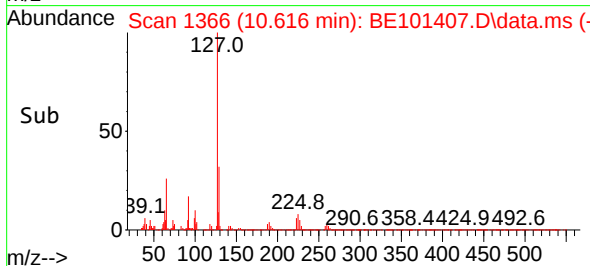
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	26.8	22.2	33.4
92	16.9	14.2	21.2

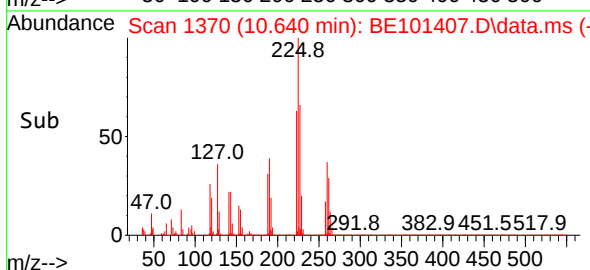
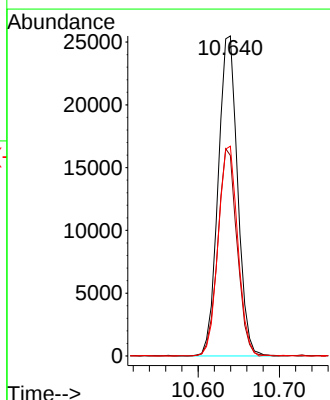
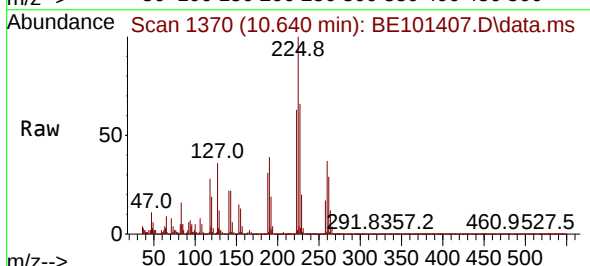
Manual Integrations
APPROVED

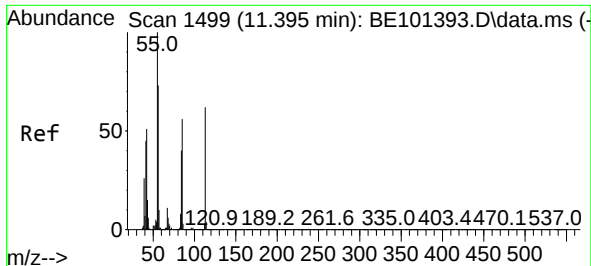
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#34
Hexachlorobutadiene
Concen: 8.048 ng
RT: 10.640 min Scan# 1370
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

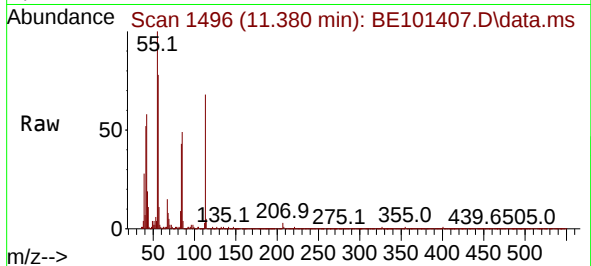
Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.5	75.7
227	65.9	51.0	76.6





#35
Caprolactam
Concen: 7.743 ng m
RT: 11.380 min Scan# 1499
Delta R.T. -0.015 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

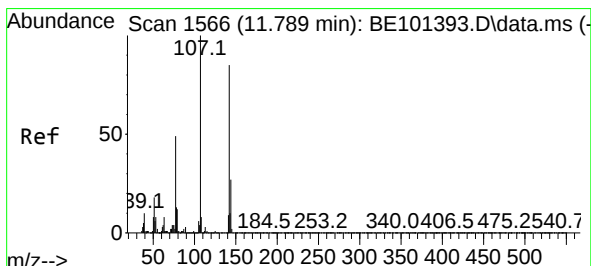
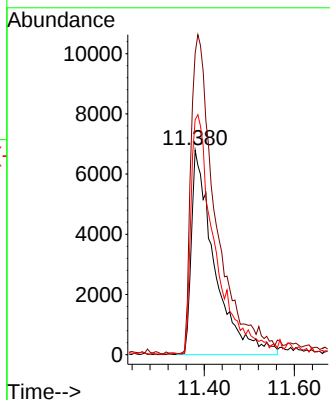
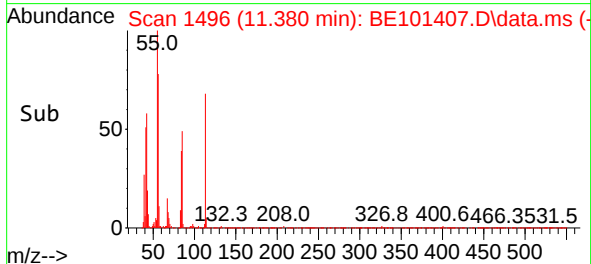
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:113 Resp: 2420
Ion Ratio Lower Upper
113 100
55 147.4 141.2 181.2
56 115.0 96.9 136.9

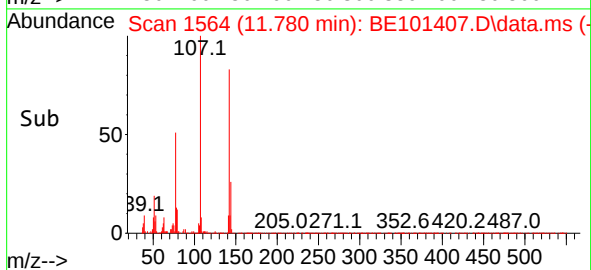
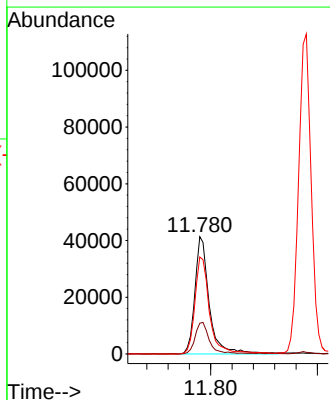
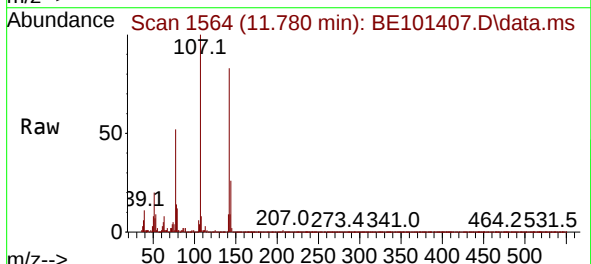
Manual Integrations
APPROVED

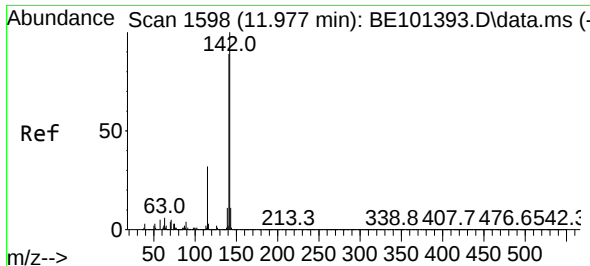
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#36
4-Chloro-3-methylphenol
Concen: 8.335 ng
RT: 11.780 min Scan# 1564
Delta R.T. -0.010 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

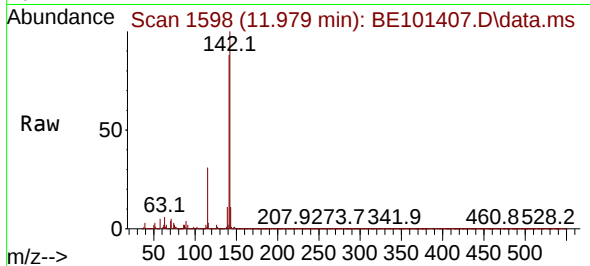
Tgt Ion:107 Resp: 77383
Ion Ratio Lower Upper
107 100
144 26.2 21.9 32.9
142 82.7 68.0 102.0





#37
2-Methylnaphthalene
Concen: 8.807 ng
RT: 11.979 min Scan# 11
Delta R.T. 0.002 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

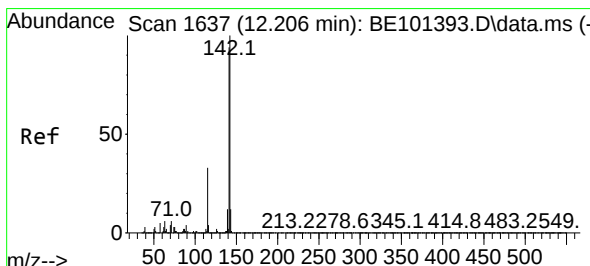
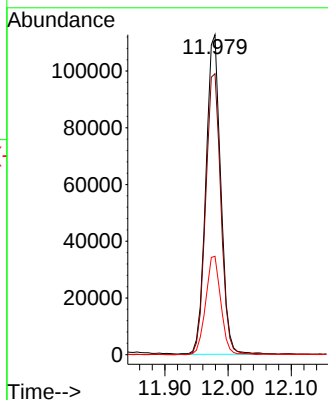
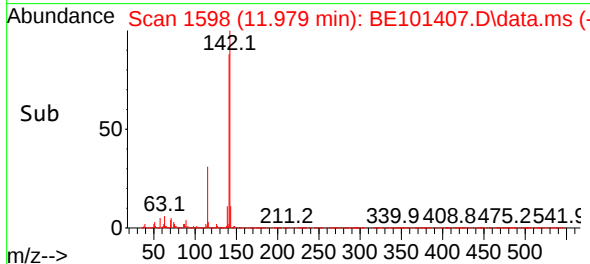
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



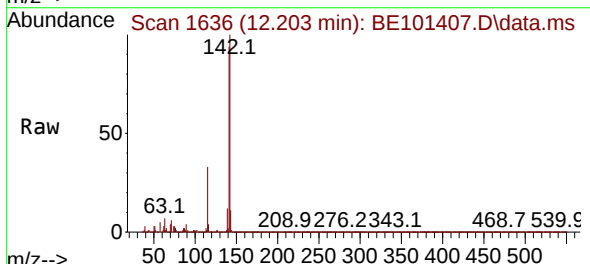
Tgt Ion:142 Resp: 18491
Ion Ratio Lower Upper
142 100
141 87.8 71.4 107.2
115 30.8 25.6 38.4

Manual Integrations
APPROVED

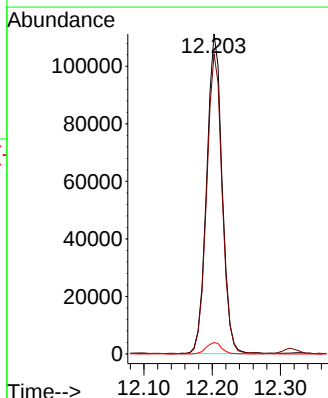
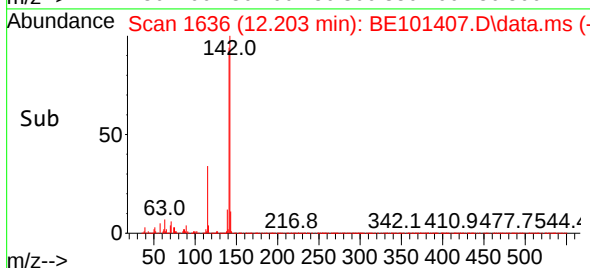
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

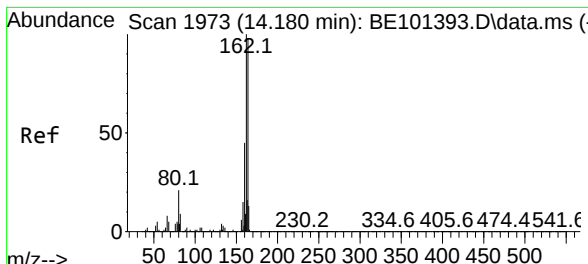


#38
1-Methylnaphthalene
Concen: 8.335 ng
RT: 12.203 min Scan# 1636
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



Tgt Ion:142 Resp: 174662
Ion Ratio Lower Upper
142 100
141 93.8 75.0 112.4
116 3.6 2.9 4.3



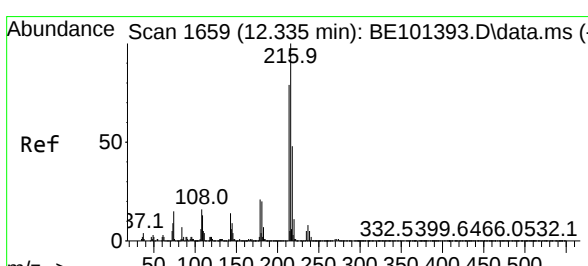
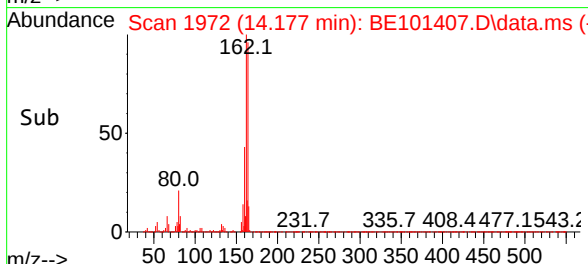
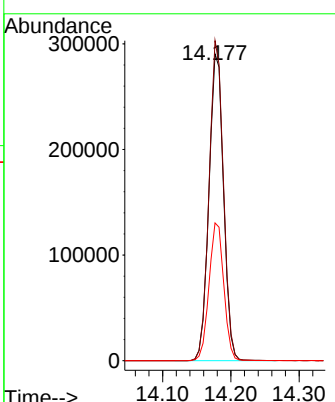
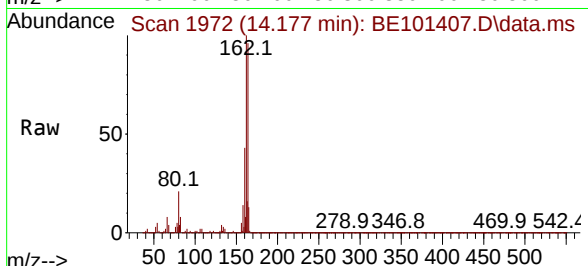


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.177 min Scan# 1972
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

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

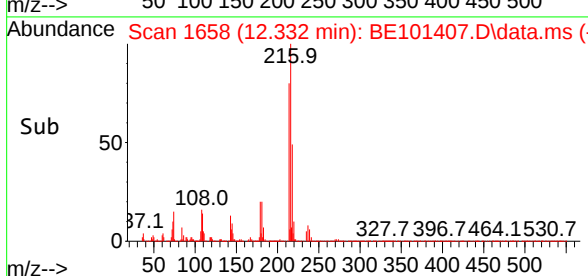
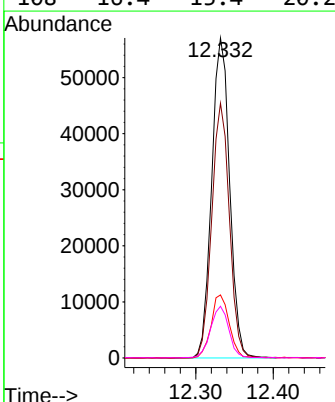
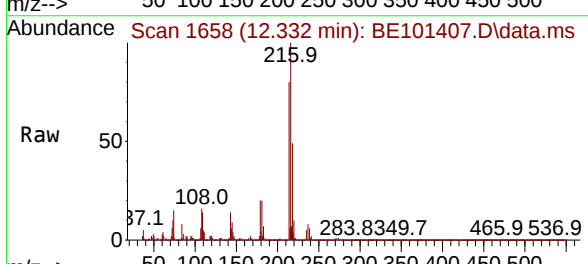
Tgt Ion:	164	Resp:	43234
Ion Ratio	Lower	Upper	
164	100		
162	104.3	81.3	121.9
160	44.9	36.4	54.6

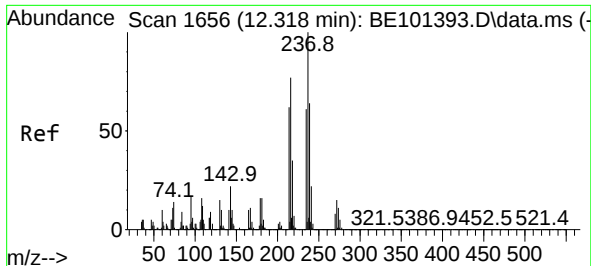
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.479 ng
 RT: 12.332 min Scan# 1658
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

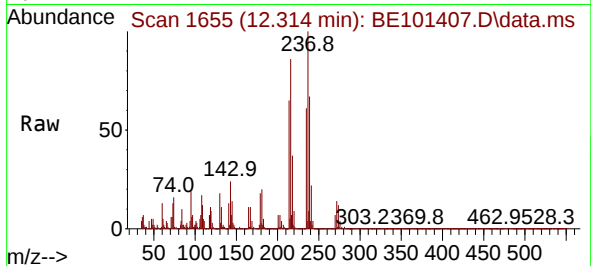
Tgt Ion:	216	Resp:	92030
Ion Ratio	Lower	Upper	
216	100		
214	78.1	63.0	94.4
179	20.0	16.7	25.1
108	16.4	13.4	20.2





#41
Hexachlorocyclopentadiene
Concen: 7.136 ng
RT: 12.314 min Scan# 1656
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

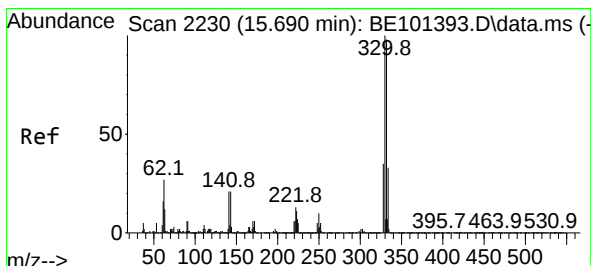
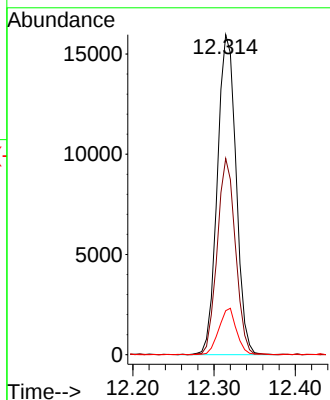
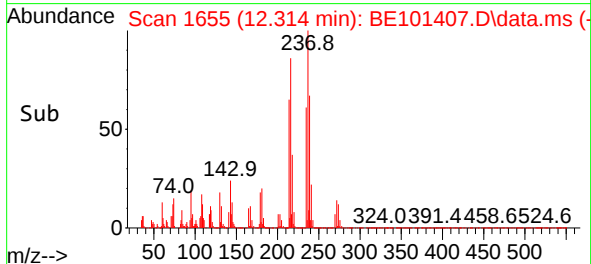
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



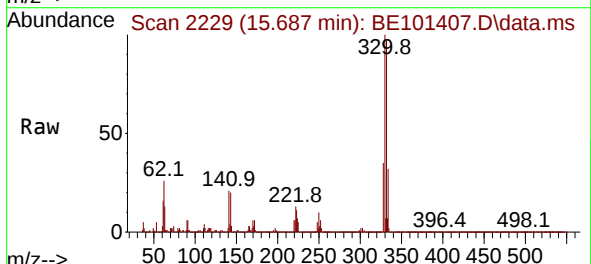
Tgt Ion: 237 Resp: 2557
Ion Ratio Lower Upper
237 100
235 61.3 41.3 81.3
272 13.7 0.0 34.6

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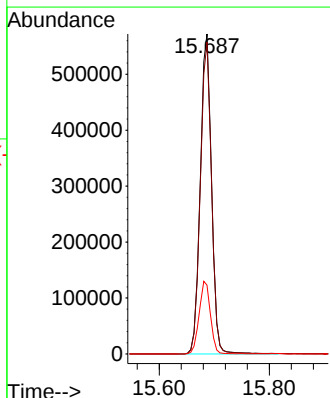
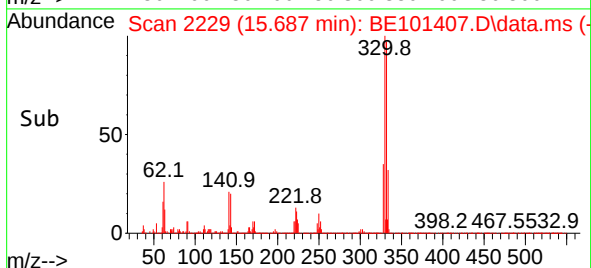
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

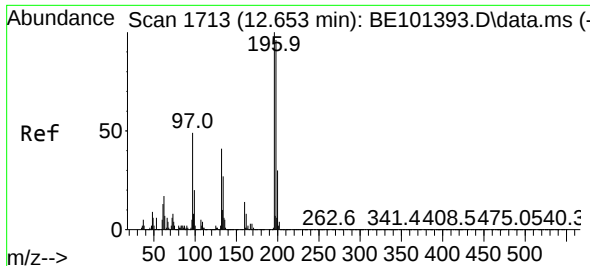


#42
2,4,6-Tribromophenol
Concen: 106.748 ng
RT: 15.687 min Scan# 2229
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



Tgt Ion: 330 Resp: 808898
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.2
141 22.8 18.3 27.5





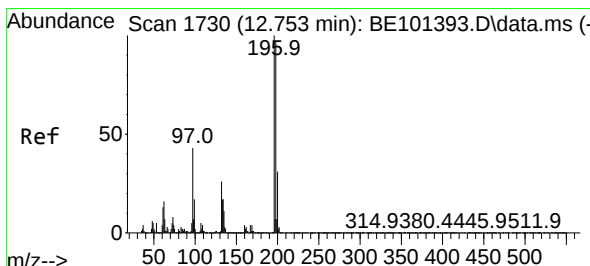
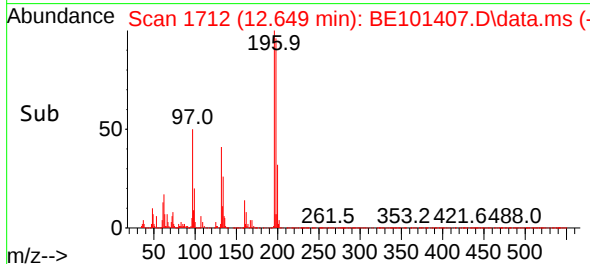
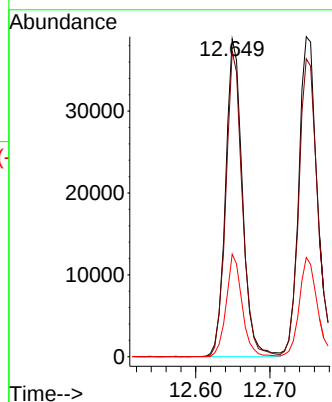
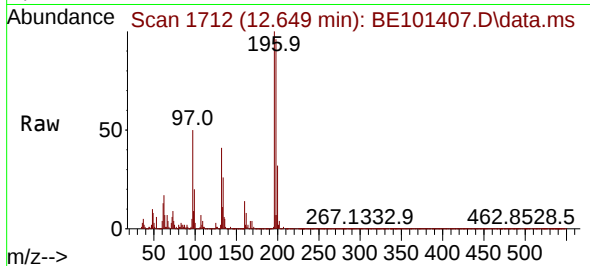
#43
2,4,6-Trichlorophenol
Concen: 8.182 ng
RT: 12.649 min Scan# 1712
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:196 Resp: 6122
Ion Ratio Lower Upper
196 100
198 96.1 76.6 115.0
200 32.3 24.1 36.1

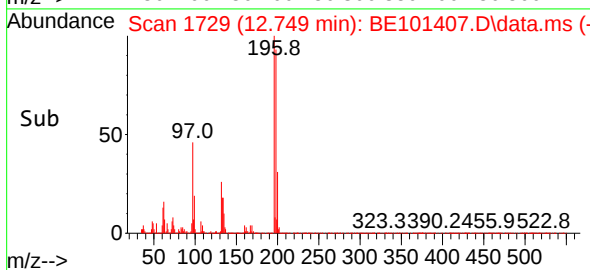
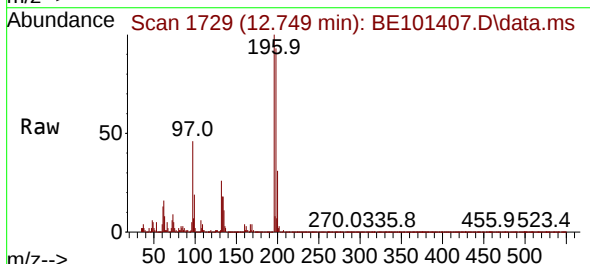
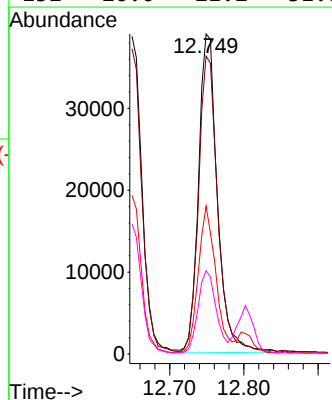
Manual Integrations
APPROVED

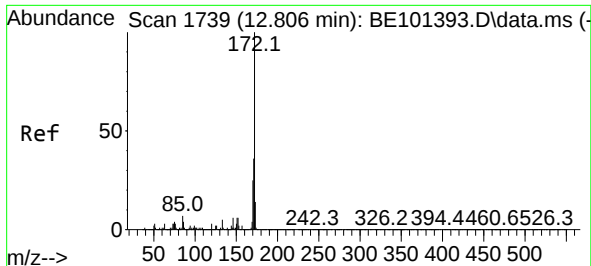
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#44
2,4,5-Trichlorophenol
Concen: 8.047 ng
RT: 12.749 min Scan# 1729
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

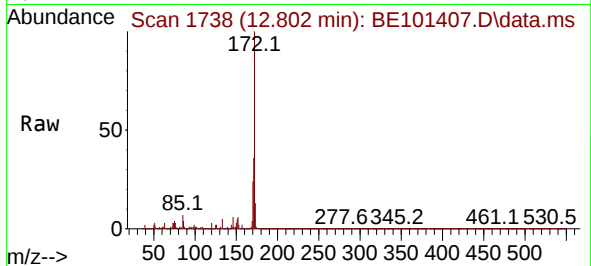
Tgt Ion:196 Resp: 68949
Ion Ratio Lower Upper
196 100
198 93.1 77.4 116.0
97 46.2 34.8 52.2
132 26.0 21.2 31.8





#45
2-Fluorobiphenyl
Concen: 73.859 ng
RT: 12.802 min Scan# 1738
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

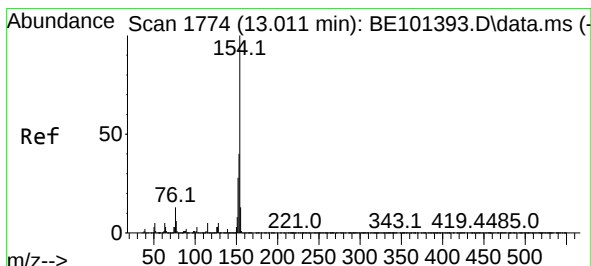
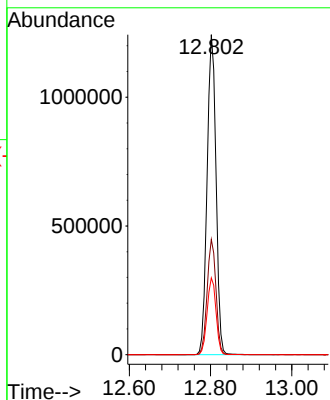
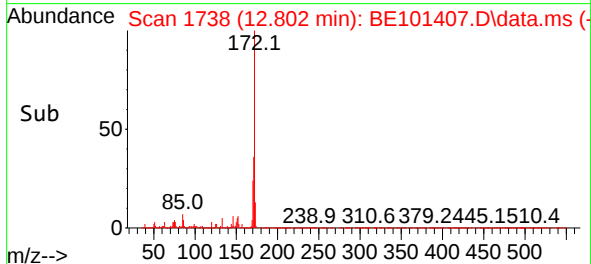
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



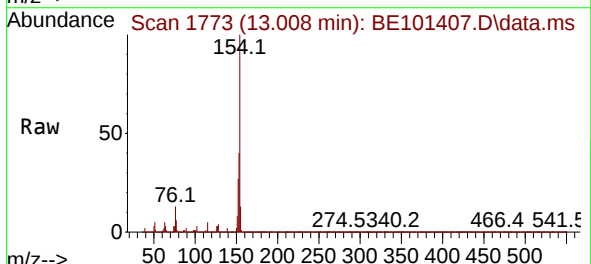
Tgt Ion:172 Resp: 188555
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 24.0 19.8 29.6

Manual Integrations
APPROVED

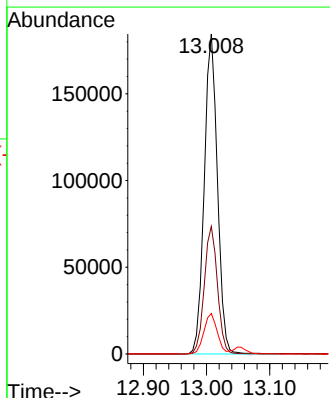
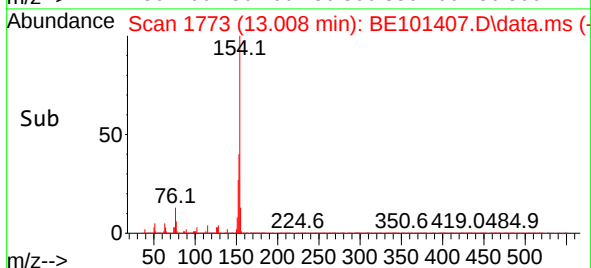
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

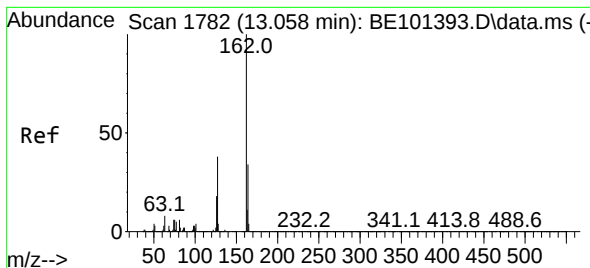


#46
1,1'-Biphenyl
Concen: 9.013 ng
RT: 13.008 min Scan# 1773
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



Tgt Ion:154 Resp: 266977
Ion Ratio Lower Upper
154 100
153 39.9 20.3 60.3
76 12.7 0.0 32.6





#47

2-Chloronaphthalene

Concen: 8.351 ng

RT: 13.049 min Scan# 1

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

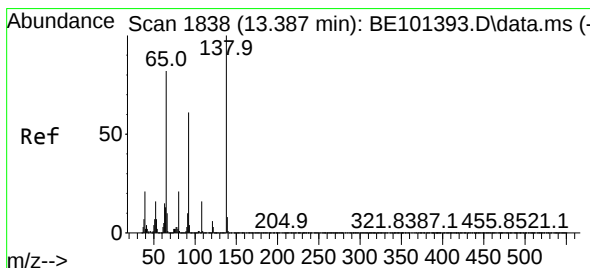
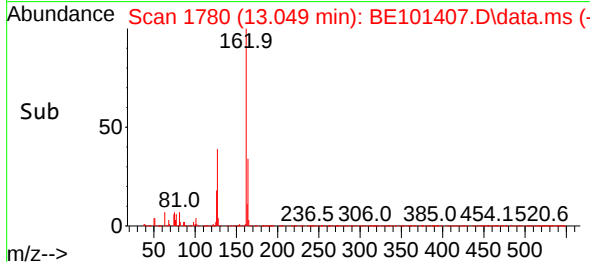
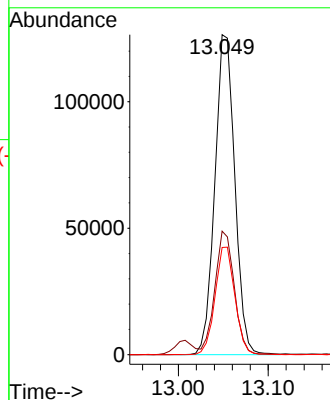
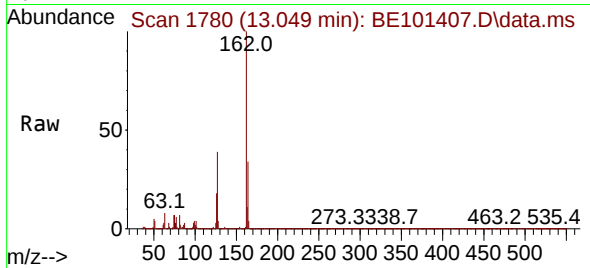
LOQ-SOIL-02-QT4-2024

Tgt Ion:	162	Resp:	19542
Ion Ratio	Lower	Upper	
162	100		
127	38.6	30.4	45.6
164	33.5	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: 7.638 ng

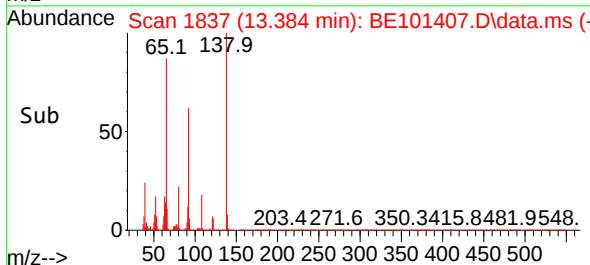
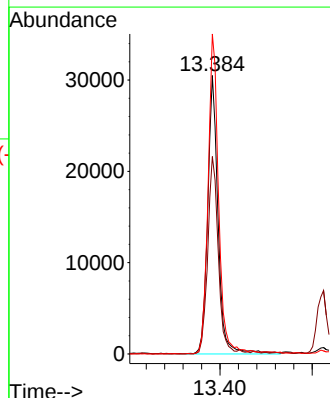
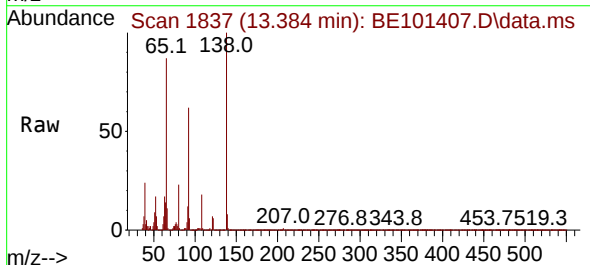
RT: 13.384 min Scan# 1837

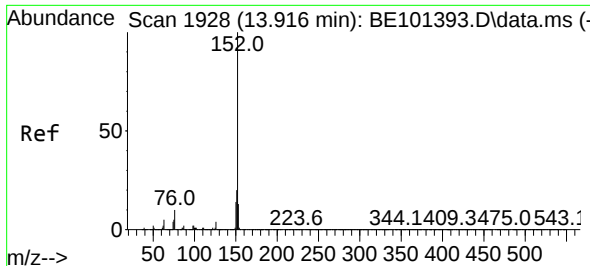
Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Tgt Ion:	65	Resp:	48102
Ion Ratio	Lower	Upper	
65	100		
92	71.0	59.0	88.4
138	115.0	97.4	146.0





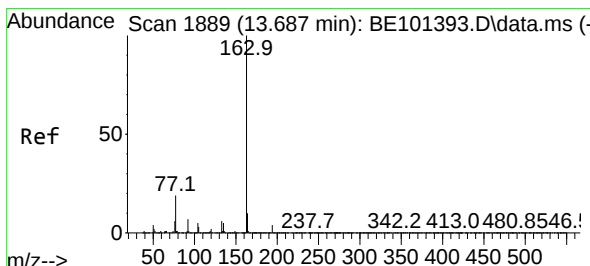
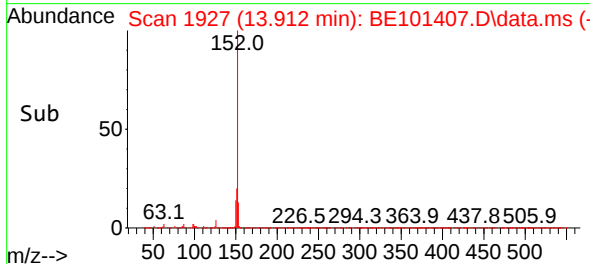
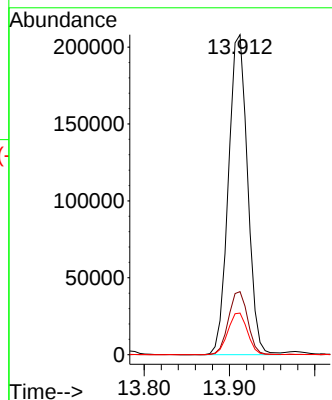
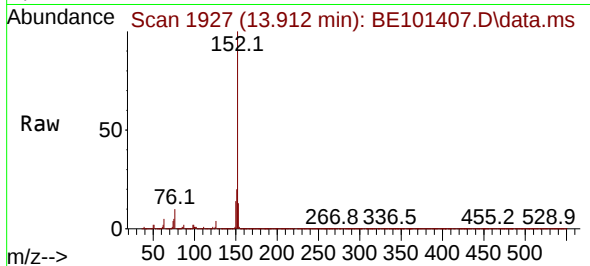
#49
Acenaphthylene
Concen: 9.368 ng
RT: 13.912 min Scan# 1928
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:152 Resp: 32422
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 13.0 10.5 15.7

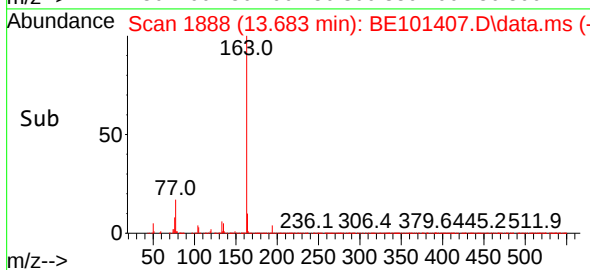
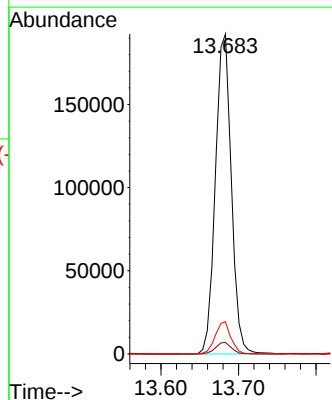
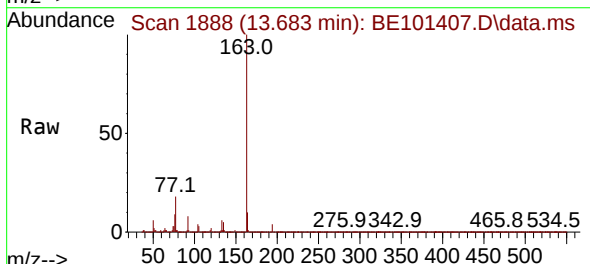
Manual Integrations
APPROVED

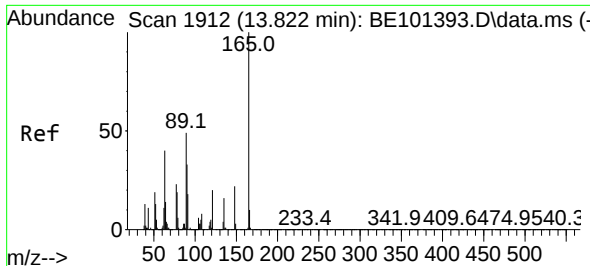
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#50
Dimethylphthalate
Concen: 8.989 ng
RT: 13.683 min Scan# 1888
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:163 Resp: 274325
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 10.0 8.4 12.6





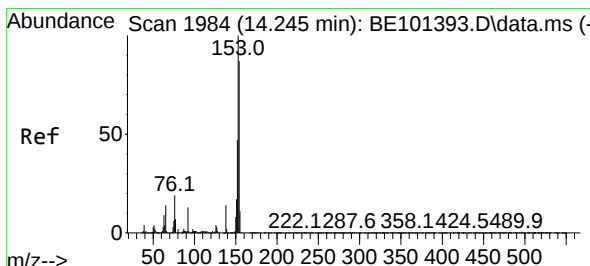
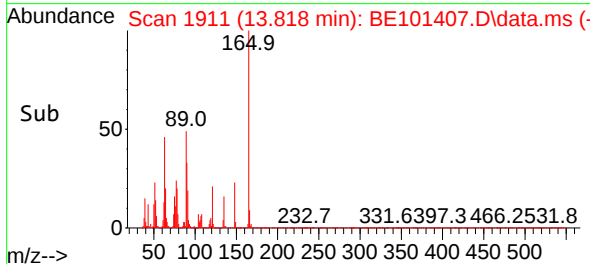
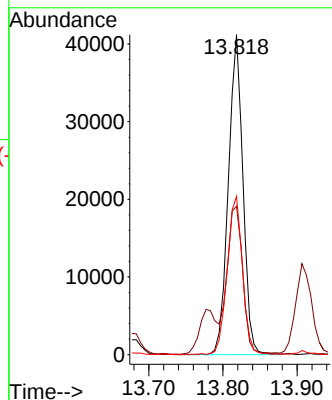
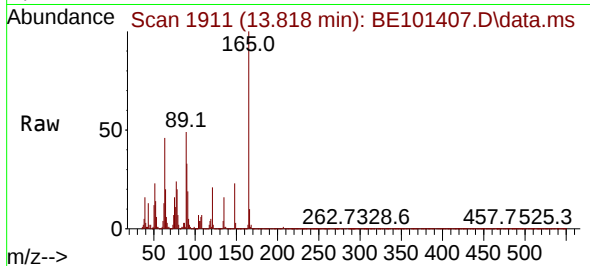
#51
2,6-Dinitrotoluene
Concen: 7.963 ng
RT: 13.818 min Scan# 1911
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:165 Resp: 56109
Ion Ratio Lower Upper
165 100
63 46.4 38.0 57.0
89 49.4 39.5 59.3

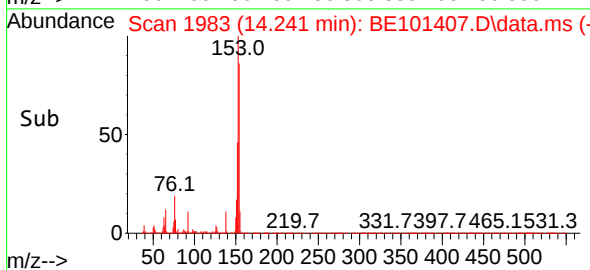
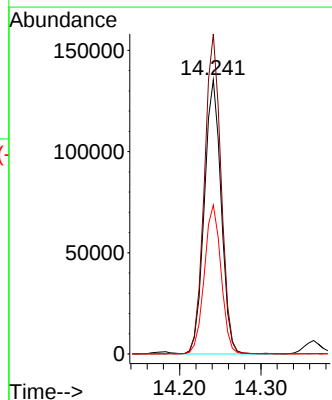
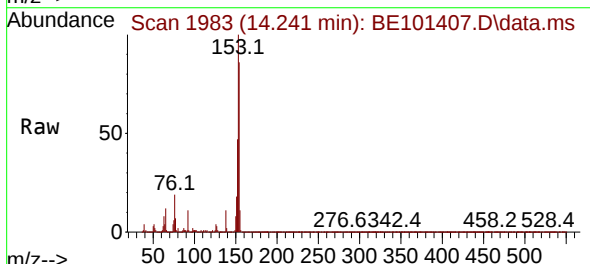
Manual Integrations
APPROVED

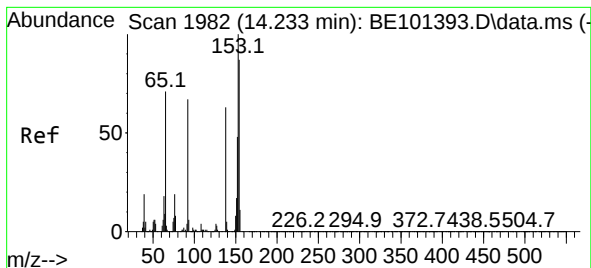
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#52
Acenaphthene
Concen: 8.604 ng
RT: 14.241 min Scan# 1983
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:154 Resp: 194427
Ion Ratio Lower Upper
154 100
153 116.7 91.8 137.6
152 54.4 43.1 64.7





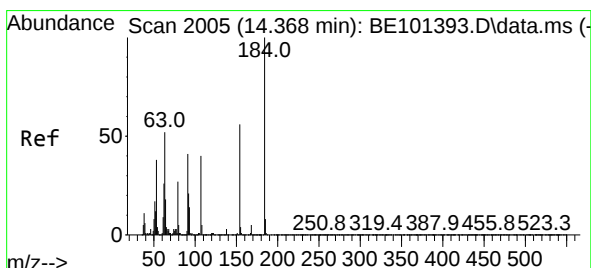
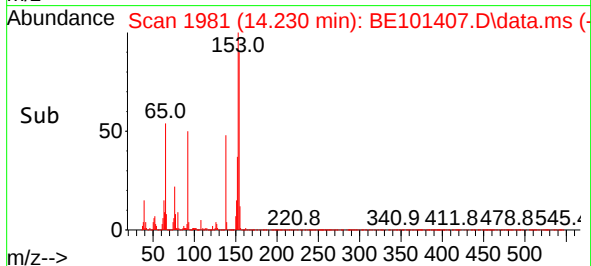
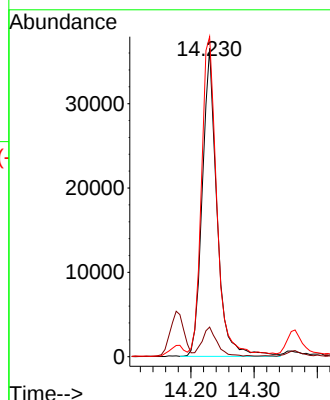
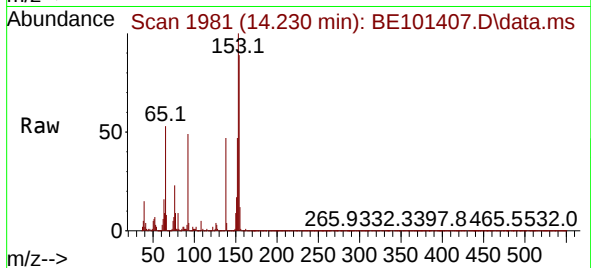
#53
3-Nitroaniline
Concen: 8.401 ng
RT: 14.230 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:138 Resp: 5885
Ion Ratio Lower Upper
138 100
108 9.6 7.1 10.7
92 103.9 84.4 126.6

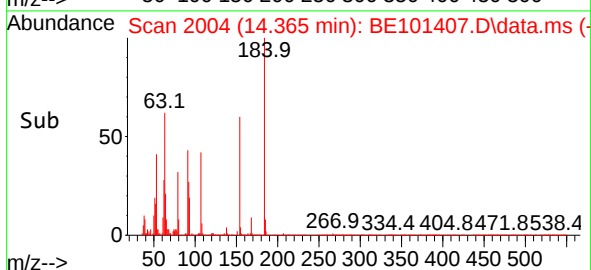
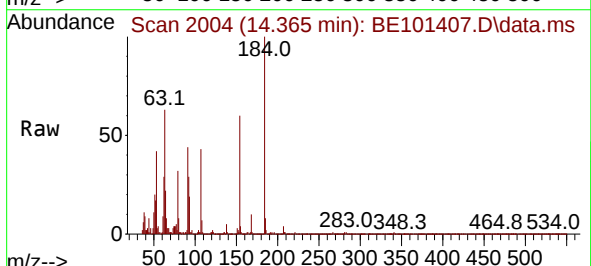
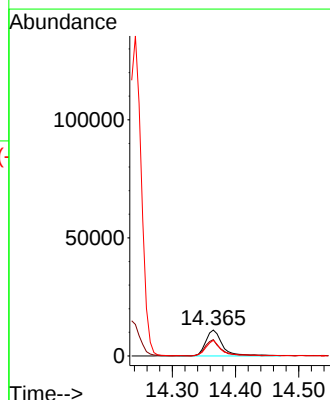
Manual Integrations
APPROVED

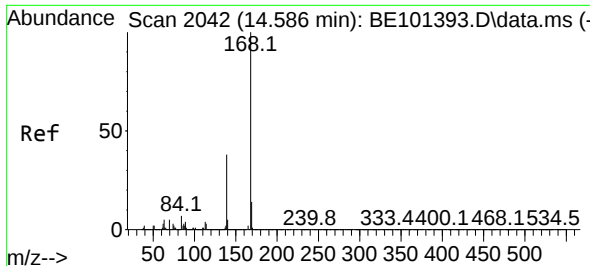
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#54
2,4-Dinitrophenol
Concen: 9.387 ng
RT: 14.365 min Scan# 2004
Delta R.T. -0.003 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:184 Resp: 20299
Ion Ratio Lower Upper
184 100
63 63.2 41.8 62.6#
154 60.3 44.9 67.3





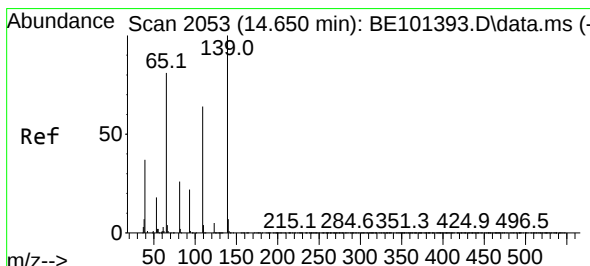
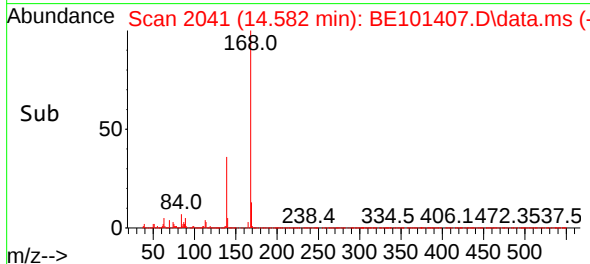
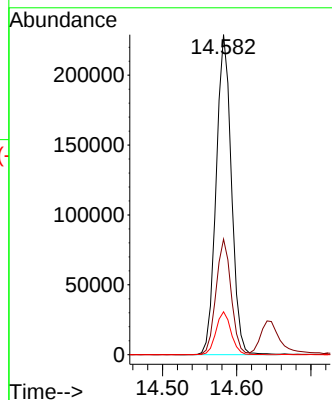
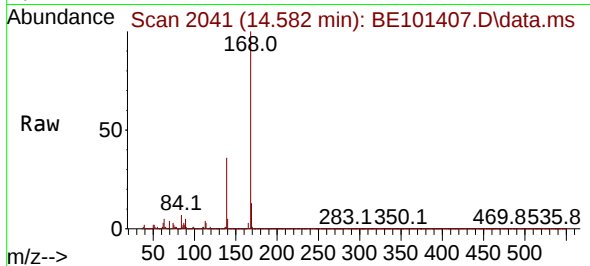
#55
Dibenzenofuran
Concen: 9.049 ng
RT: 14.582 min Scan# 2041
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:168 Resp: 325930
Ion Ratio Lower Upper
168 100
139 36.1 30.2 45.4
169 13.4 11.0 16.4

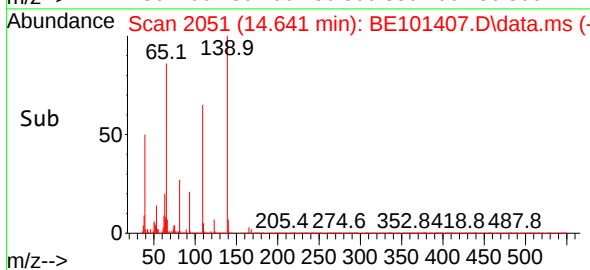
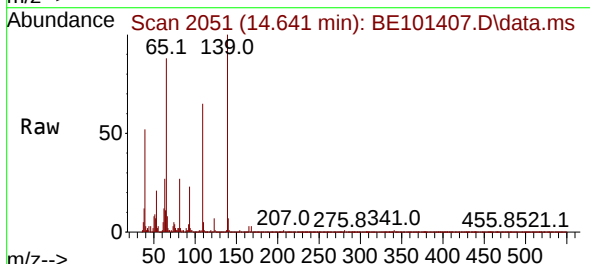
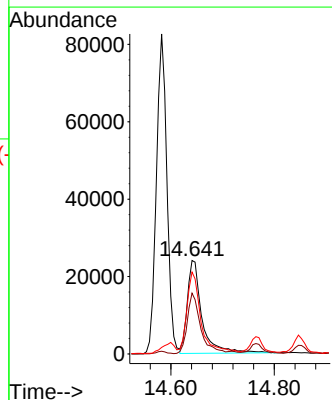
Manual Integrations
APPROVED

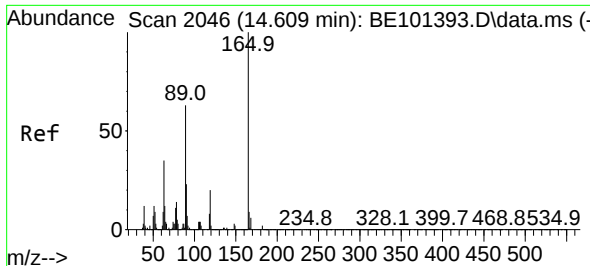
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#56
4-Nitrophenol
Concen: 7.360 ng
RT: 14.641 min Scan# 2051
Delta R.T. -0.009 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

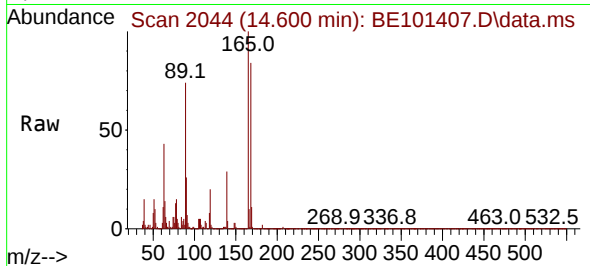
Tgt Ion:139 Resp: 47224
Ion Ratio Lower Upper
139 100
109 65.0 42.4 82.4
65 87.6 63.4 103.4





#57
2,4-Dinitrotoluene
Concen: 7.663 ng
RT: 14.600 min Scan# 2046
Delta R.T. -0.010 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

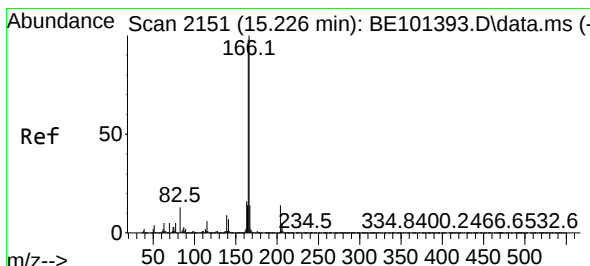
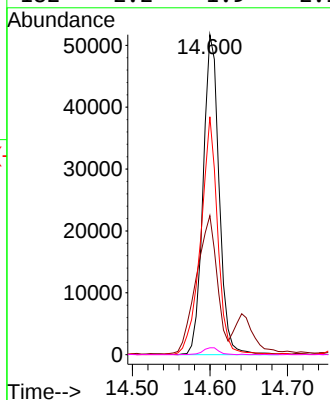
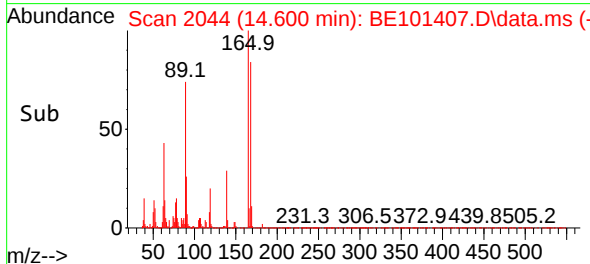
Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 7433
Ion Ratio Lower Upper
165 100
63 43.4 28.6 42.8
89 74.4 50.8 76.2
182 2.2 1.9 2.9

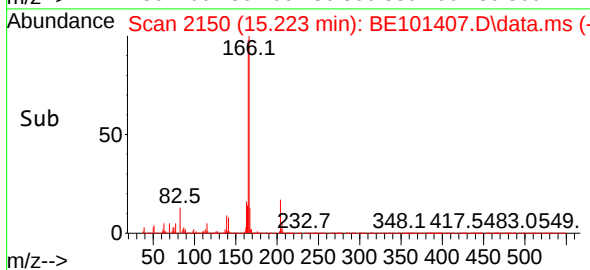
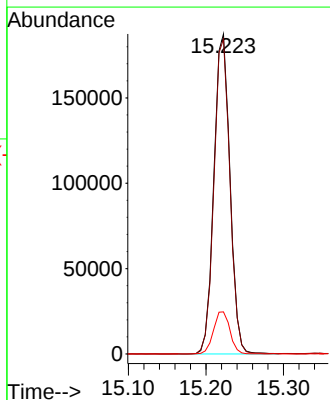
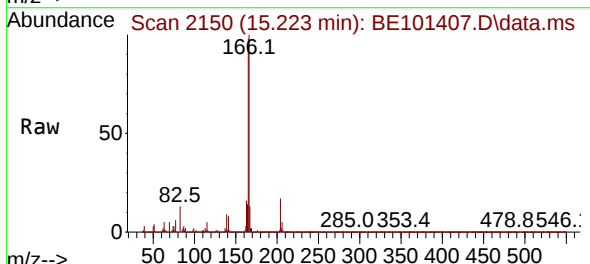
Manual Integrations
APPROVED

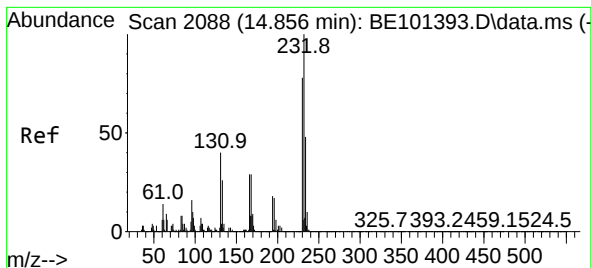
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#58
Fluorene
Concen: 8.939 ng
RT: 15.223 min Scan# 2150
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

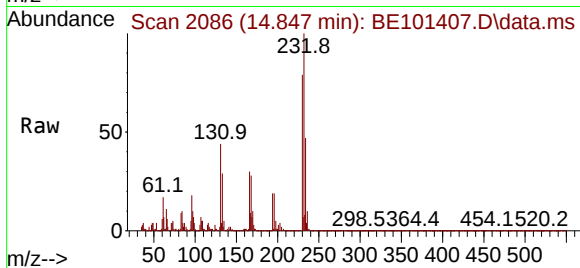
Tgt Ion:166 Resp: 269351
Ion Ratio Lower Upper
166 100
165 98.4 78.7 118.1
167 13.1 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.461 ng
RT: 14.847 min Scan# 2088
Delta R.T. -0.010 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

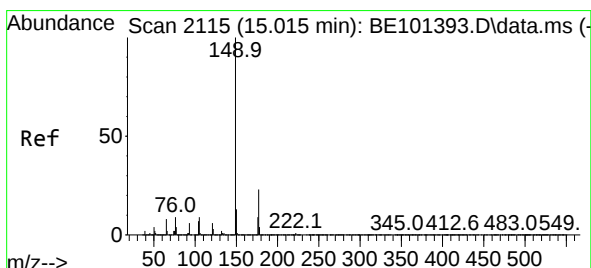
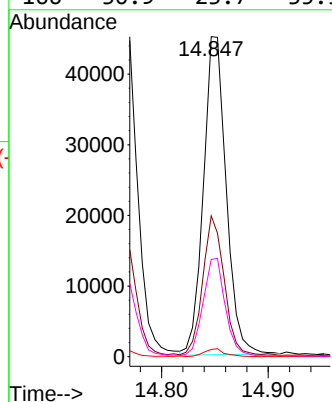
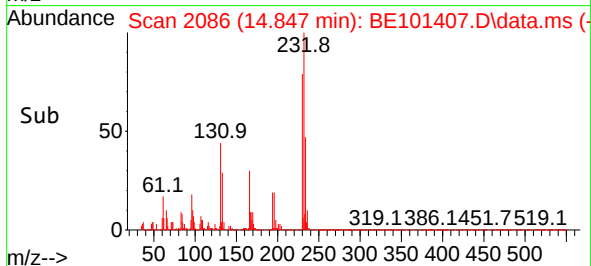
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



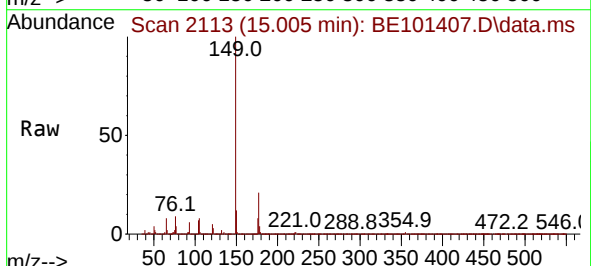
Tgt Ion:232 Resp: 66979
Ion Ratio Lower Upper
232 100
131 41.6 33.5 50.3
130 2.3 1.6 2.4
166 30.9 23.7 35.5

Manual Integrations
APPROVED

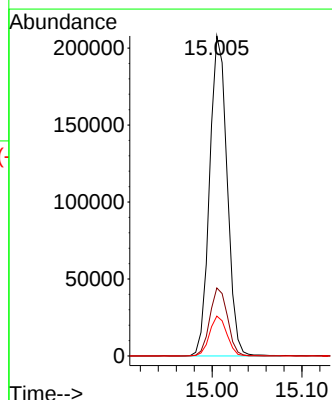
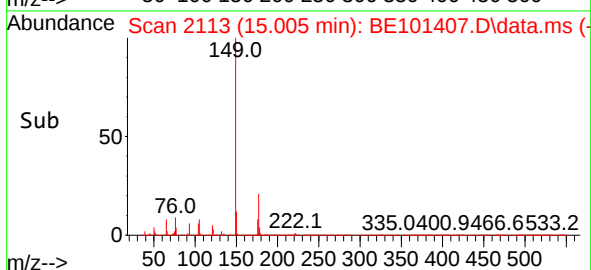
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

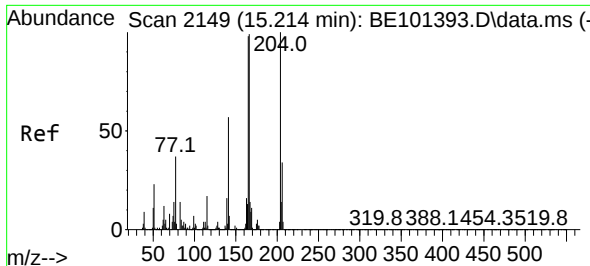


#60
Diethylphthalate
Concen: 8.797 ng
RT: 15.005 min Scan# 2113
Delta R.T. -0.010 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



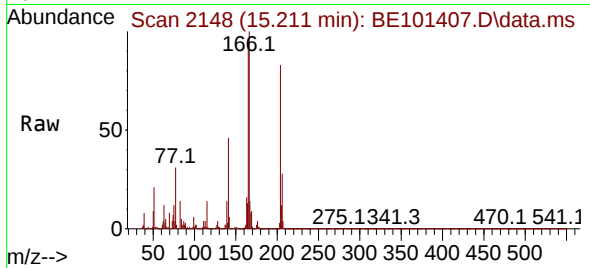
Tgt Ion:149 Resp: 280802
Ion Ratio Lower Upper
149 100
177 21.3 18.0 27.0
150 12.5 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 8.692 ng
RT: 15.211 min Scan# 2149
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

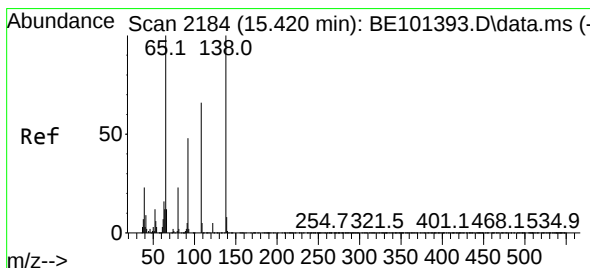
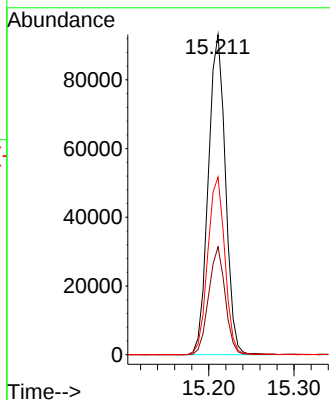
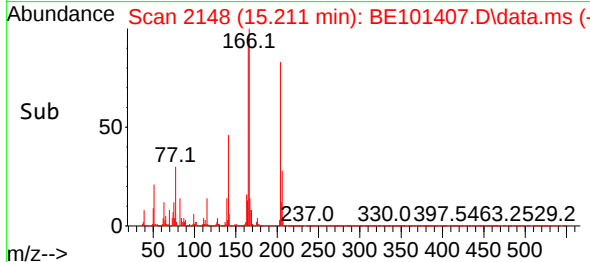
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



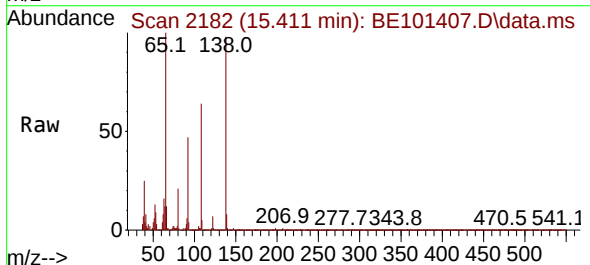
Tgt Ion: 204 Resp: 12995
Ion Ratio Lower Upper
204 100
206 33.7 26.9 40.3
141 55.5 45.9 68.9

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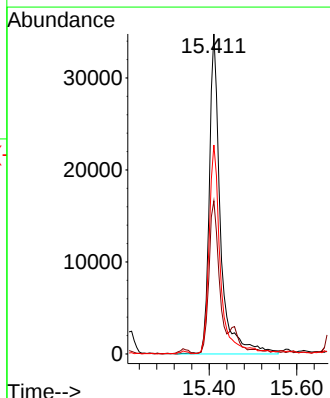
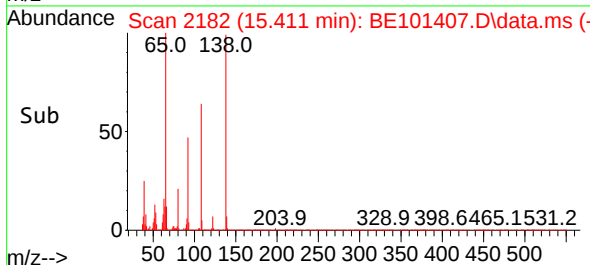
Reviewed By : Jagrut Upadhyay 10/30/2024
Supervised By : mohammad ahmed 11/04/2024

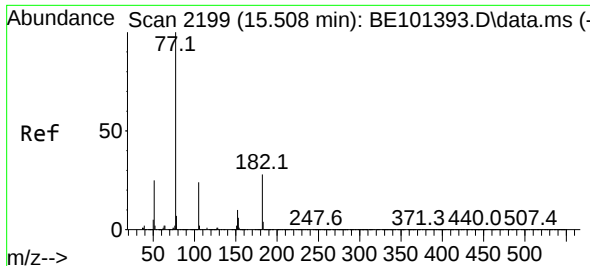


#62
4-Nitroaniline
Concen: 7.908 ng
RT: 15.411 min Scan# 2182
Delta R.T. -0.010 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



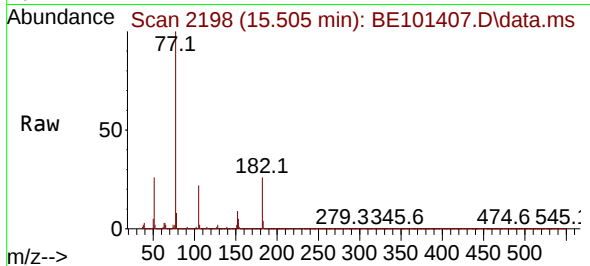
Tgt Ion: 138 Resp: 61650
Ion Ratio Lower Upper
138 100
92 47.9 28.7 68.7
108 65.3 46.5 86.5





#63
Azobenzene
Concen: 9.030 ng
RT: 15.505 min Scan# 2199
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

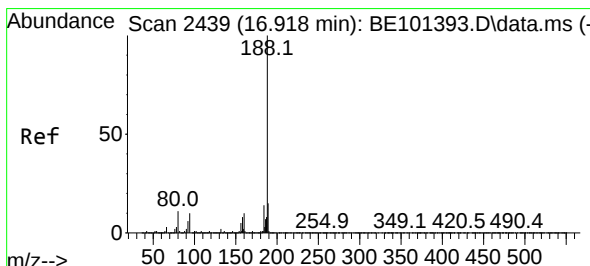
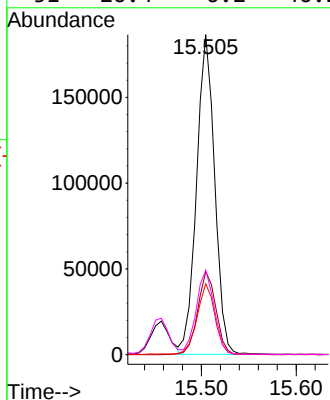
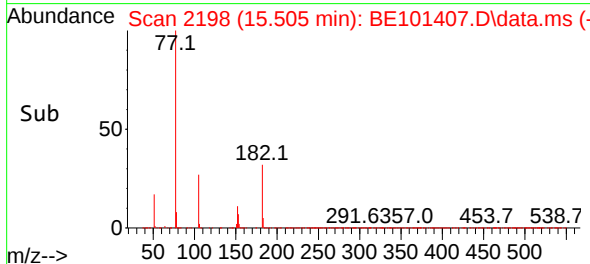
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



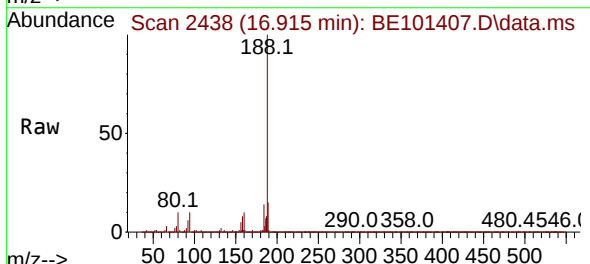
Tgt Ion: 77 Resp: 247780
Ion Ratio Lower Upper
77 100
182 26.0 7.6 47.6
105 22.2 3.2 43.2
51 26.4 6.2 46.2

Manual Integrations
APPROVED

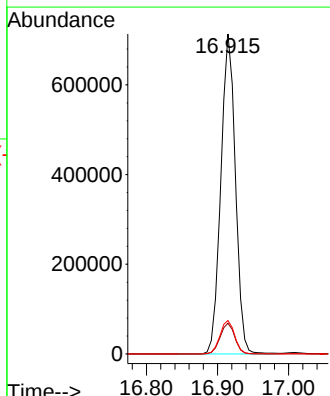
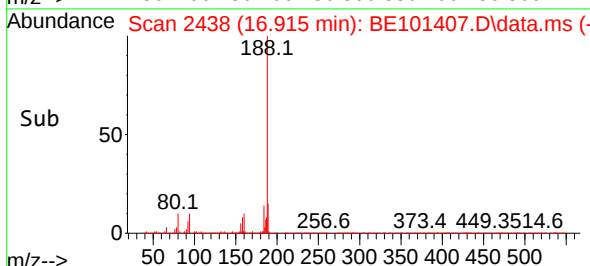
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

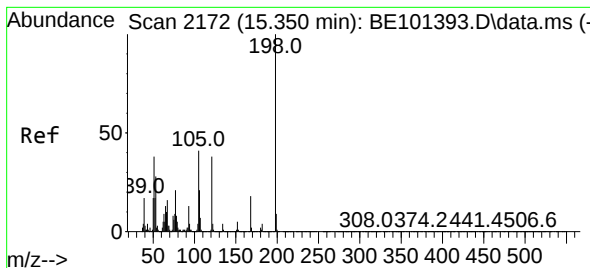


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.915 min Scan# 2438
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



Tgt Ion:188 Resp: 1011839
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.8
80 10.4 8.6 12.8





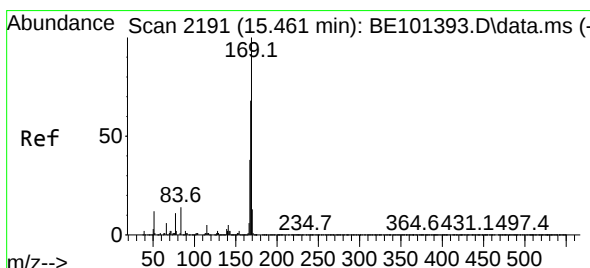
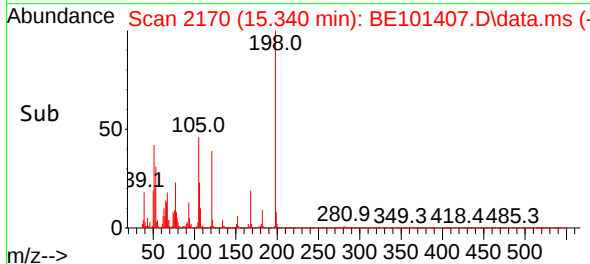
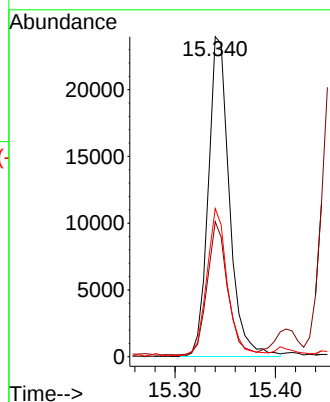
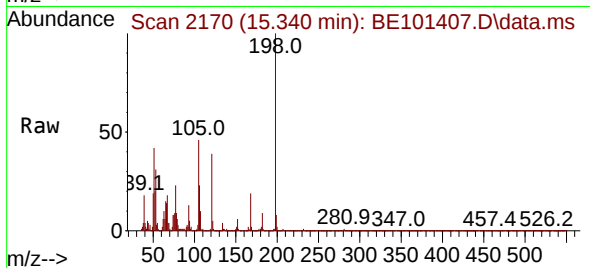
#65
4,6-Dinitro-2-methylphenol
Concen: 5.901 ng
RT: 15.340 min Scan# 2172
Delta R.T. -0.010 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

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

Tgt Ion:198 Resp: 35088
Ion Ratio Lower Upper
198 100
51 42.2 18.2 58.2
105 46.3 21.5 61.5

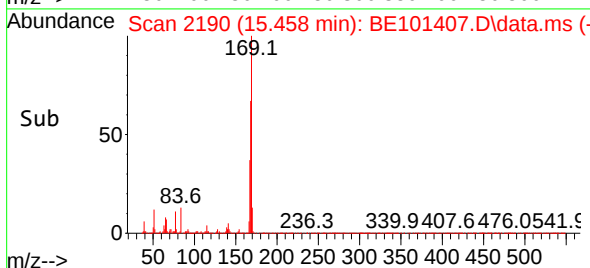
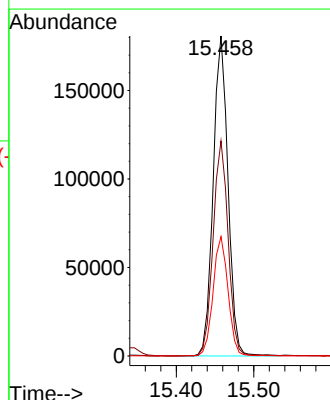
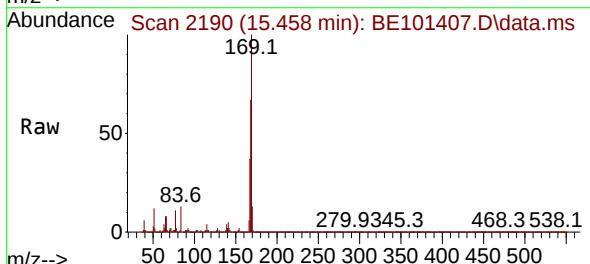
Manual Integrations
APPROVED

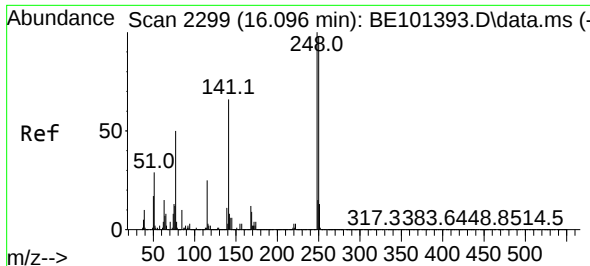
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#66
n-Nitrosodiphenylamine
Concen: 8.945 ng
RT: 15.458 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

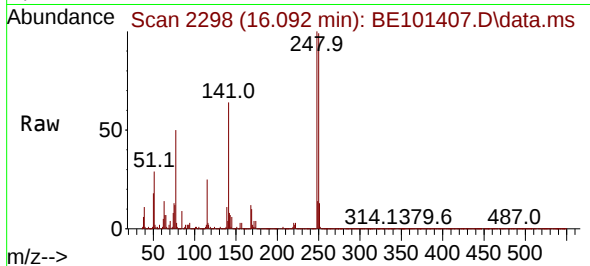
Tgt Ion:169 Resp: 240022
Ion Ratio Lower Upper
169 100
168 67.2 54.5 81.7
167 37.3 30.4 45.6





#67
4-Bromophenyl-phenylether
Concen: 8.388 ng
RT: 16.092 min Scan# 21
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

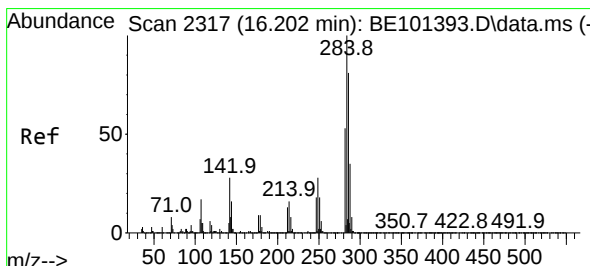
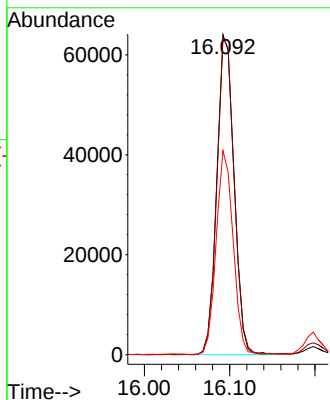
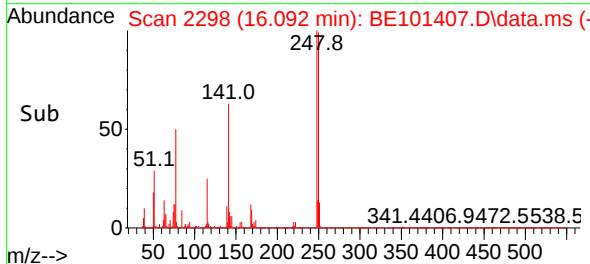
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



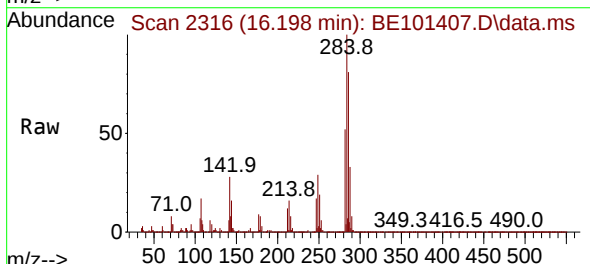
Tgt Ion:248 Resp: 8927
Ion Ratio Lower Upper
248 100
250 99.0 78.2 117.2
141 63.8 53.0 79.4

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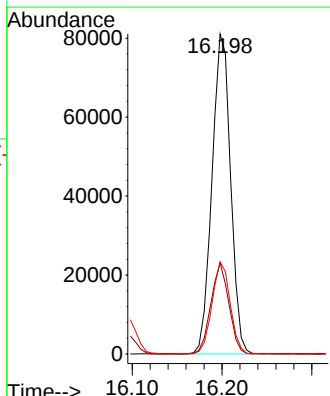
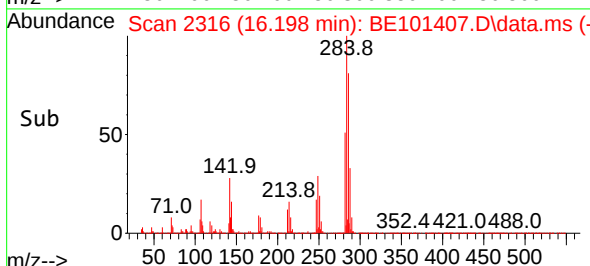
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

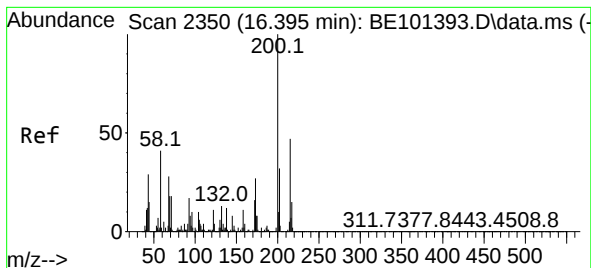


#68
Hexachlorobenzene
Concen: 8.331 ng
RT: 16.198 min Scan# 2316
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08



Tgt Ion:284 Resp: 116223
Ion Ratio Lower Upper
284 100
142 28.5 22.2 33.2
249 28.8 22.8 34.2





#69

Atrazine

Concen: 10.532 ng

RT: 16.386 min Scan# 21

Delta R.T. -0.009 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

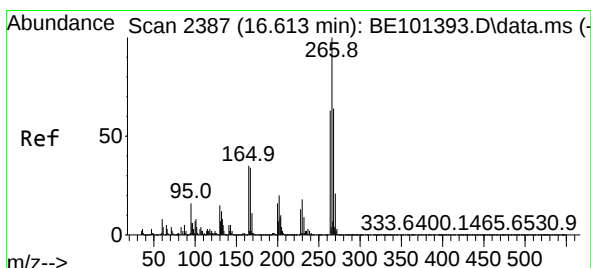
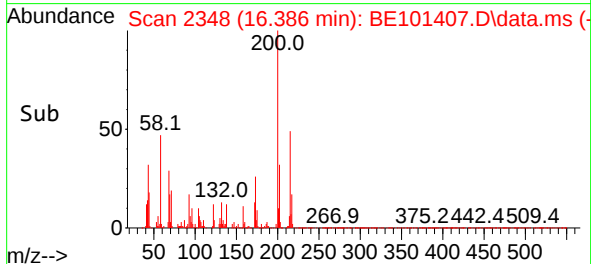
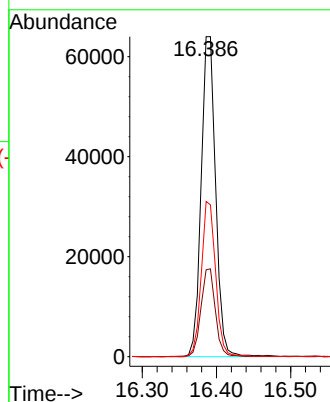
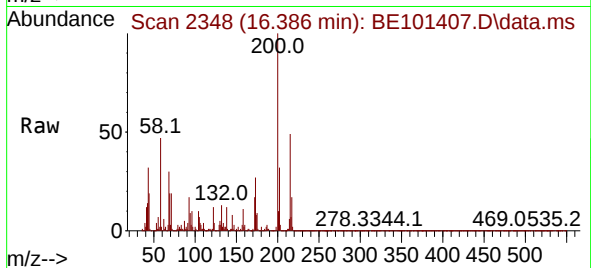
LOQ-SOIL-02-QT4-2024

Tgt Ion:200 Resp: 8664
 Ion Ratio Lower Upper
 200 100
 173 27.1 7.0 47.0
 215 48.5 27.3 67.3

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 7.035 ng m

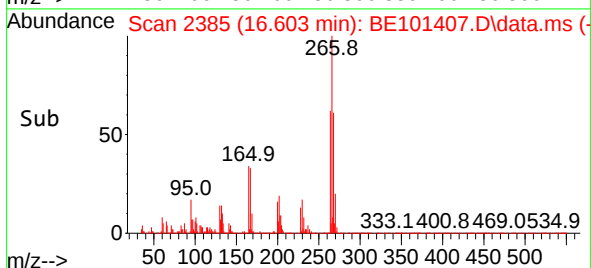
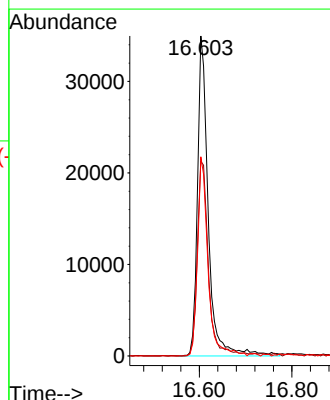
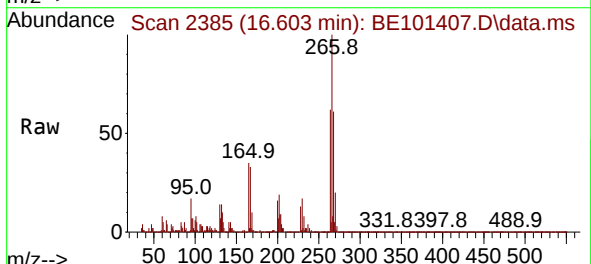
RT: 16.603 min Scan# 2385

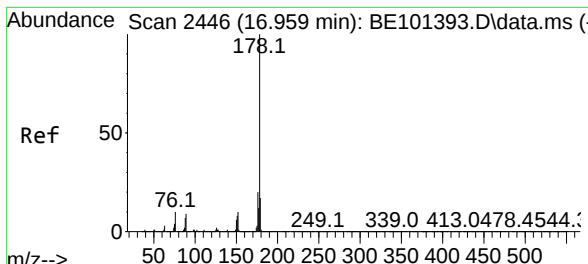
Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Tgt Ion:266 Resp: 56494
 Ion Ratio Lower Upper
 266 100
 268 60.8 51.5 77.3
 264 62.3 50.7 76.1



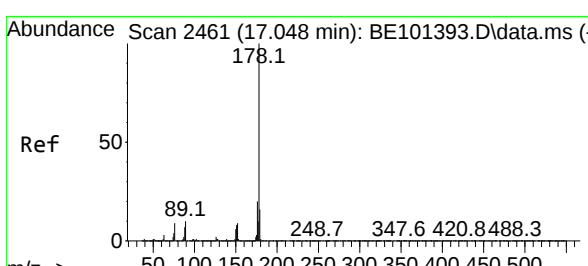
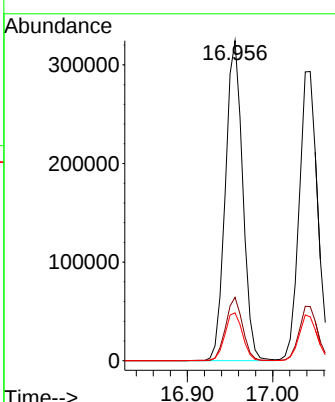
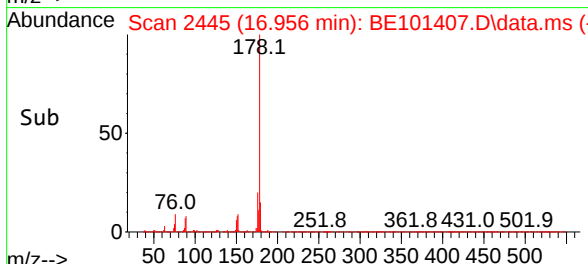
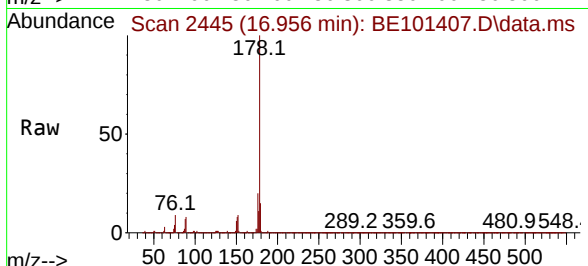


#71
 Phenanthrene
 Concen: 9.451 ng
 RT: 16.956 min Scan# 2445
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

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

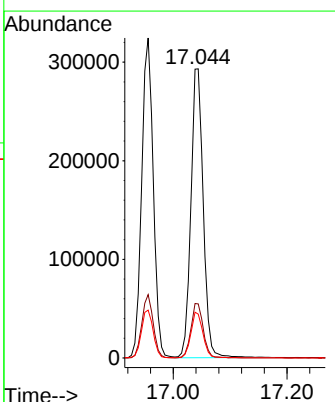
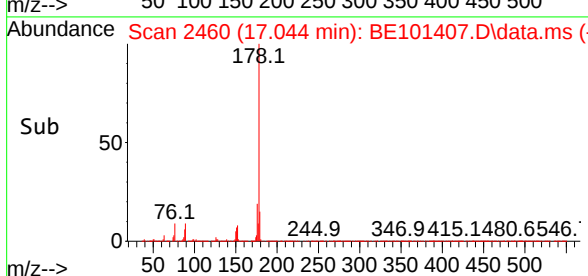
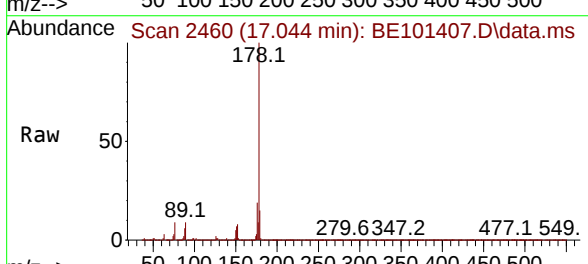
Tgt Ion:178	Resp: 457870
Ion Ratio	Lower Upper
178	100
176	19.8 16.4 24.6
179	14.9 13.2 19.8

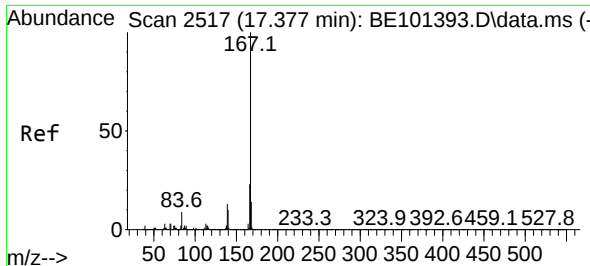
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#72
 Anthracene
 Concen: 9.366 ng
 RT: 17.044 min Scan# 2460
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

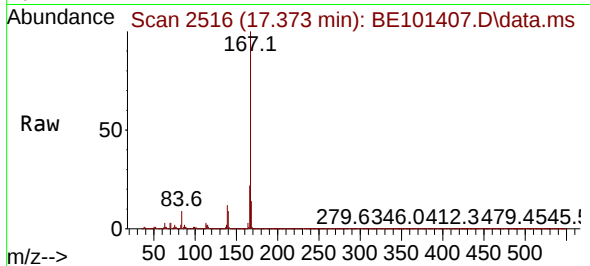
Tgt Ion:178	Resp: 443070
Ion Ratio	Lower Upper
178	100
176	18.7 15.9 23.9
179	15.2 13.1 19.7





#73
 Carbazole
 Concen: 8.984 ng
 RT: 17.373 min Scan# 2517
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

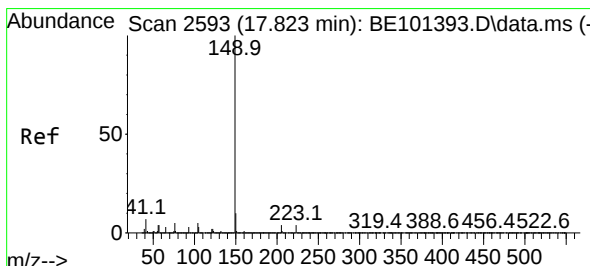
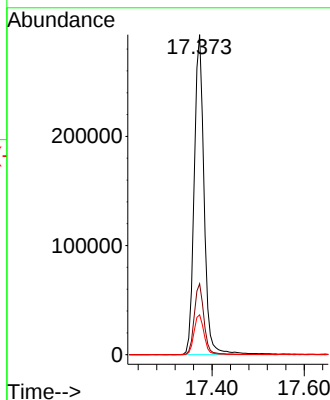
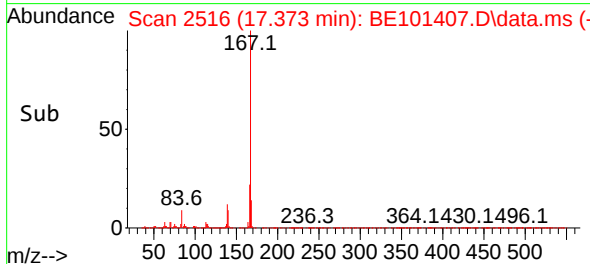
Instrument : BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



Tgt Ion:167 Resp: 434820
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.3 27.5
 139 12.4 10.8 16.2

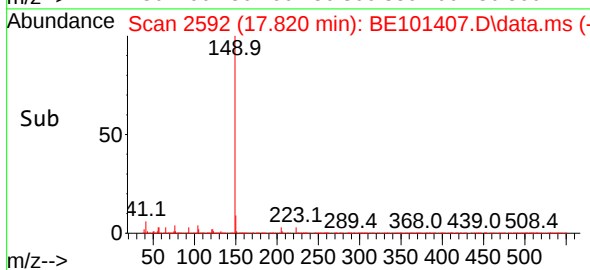
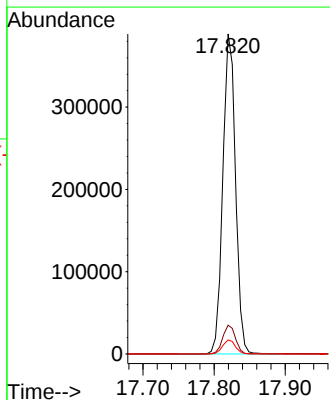
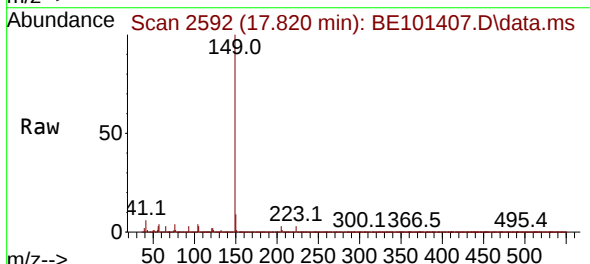
Manual Integrations
 APPROVED

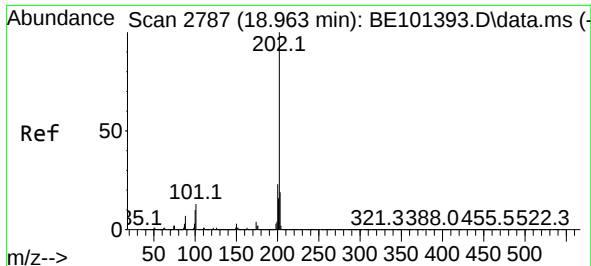
Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#74
 Di-n-butylphthalate
 Concen: 8.991 ng
 RT: 17.820 min Scan# 2592
 Delta R.T. -0.004 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

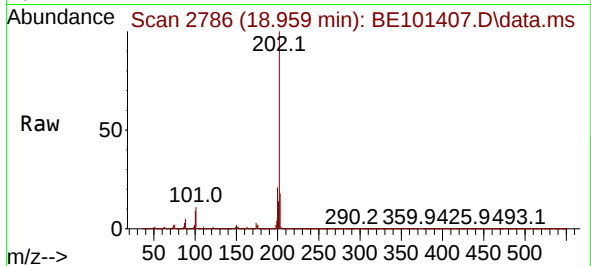
Tgt Ion:149 Resp: 479082
 Ion Ratio Lower Upper
 149 100
 150 9.0 8.2 12.4
 104 4.4 3.9 5.9





#75
Fluoranthene
Concen: 9.367 ng
RT: 18.959 min Scan# 21
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

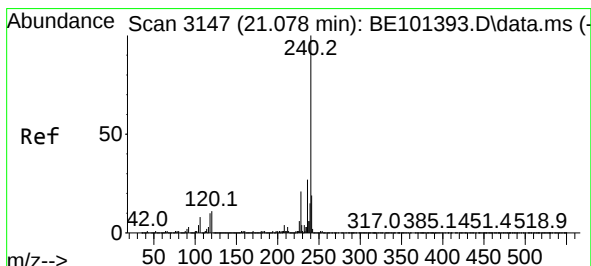
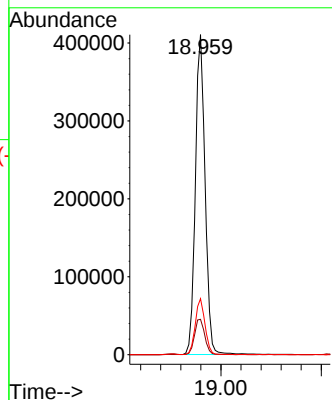
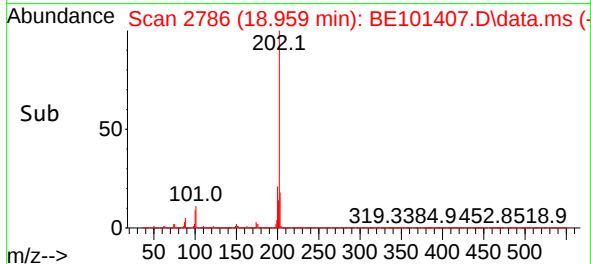
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:202 Resp: 55119
Ion Ratio Lower Upper
202 100
101 11.1 0.0 33.3
203 17.5 0.0 39.3

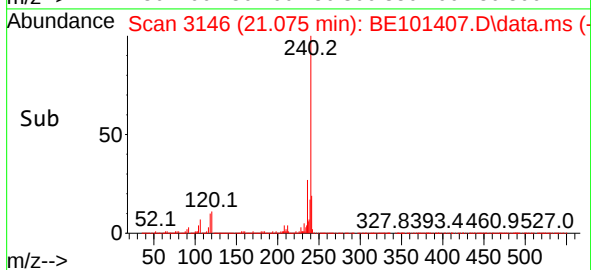
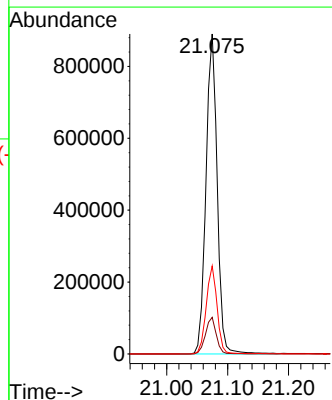
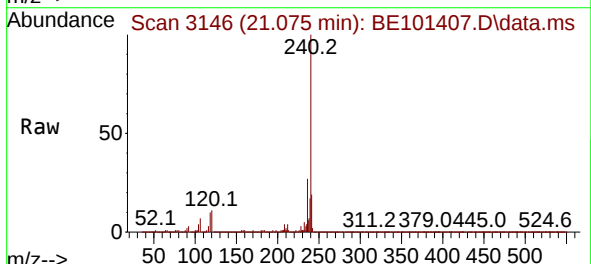
Manual Integrations
APPROVED

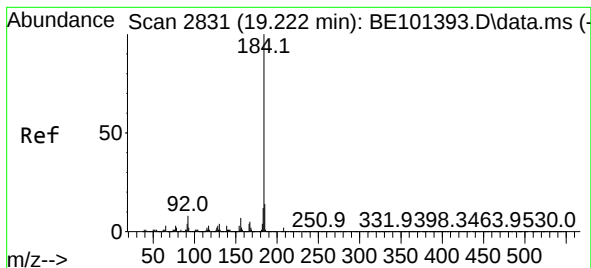
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.075 min Scan# 3146
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:240 Resp: 1139291
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.4
236 27.5 21.4 32.0





#77

Benzidine

Concen: 12.932 ng

RT: 19.212 min Scan# 2829

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

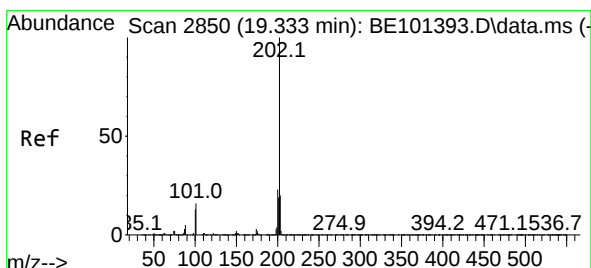
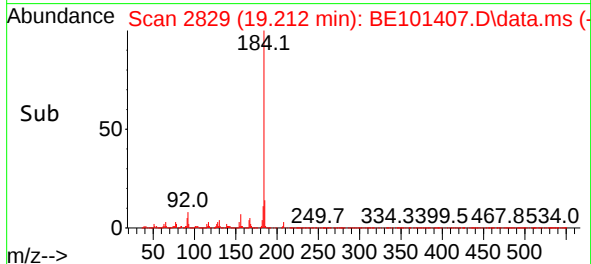
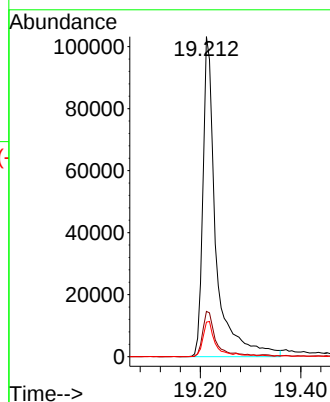
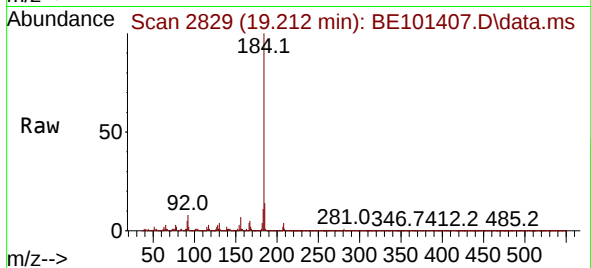
LOQ-SOIL-02-QT4-2024

Tgt Ion:	184	Resp:	18699
Ion Ratio	Lower	Upper	
184	100		
185	14.2	11.5	17.3
183	10.8	9.3	13.9

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 9.465 ng

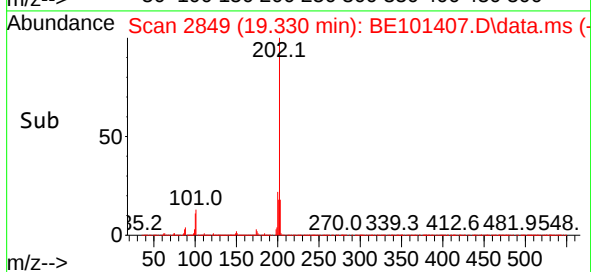
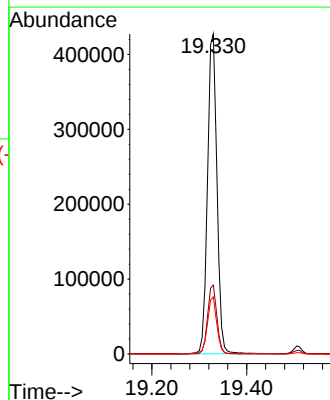
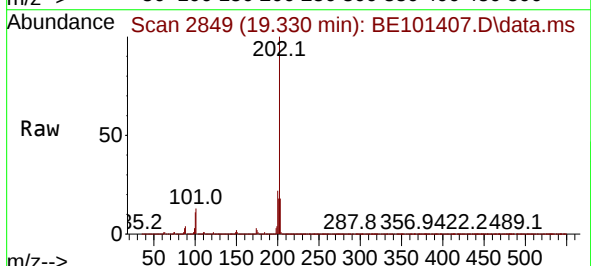
RT: 19.330 min Scan# 2849

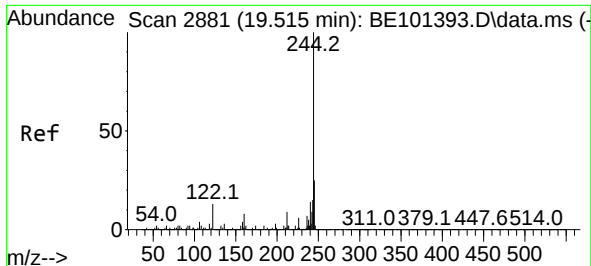
Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

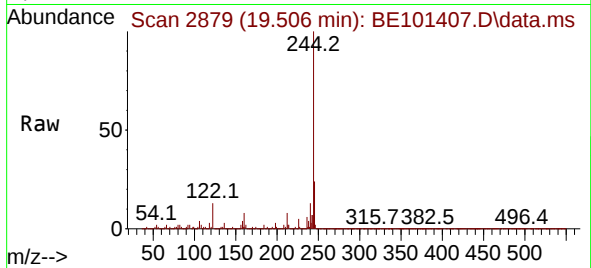
Tgt Ion:	202	Resp:	592975
Ion Ratio	Lower	Upper	
202	100		
200	21.5	18.6	28.0
203	17.8	15.6	23.4





#79
Terphenyl-d14
Concen: 70.751 ng
RT: 19.506 min Scan# 21
Delta R.T. -0.009 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

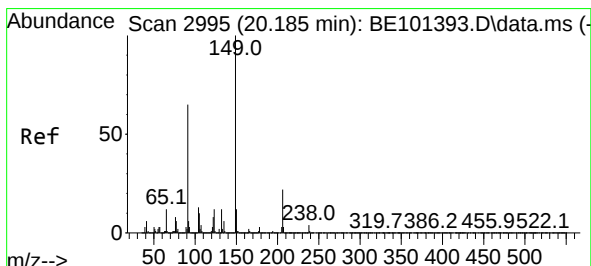
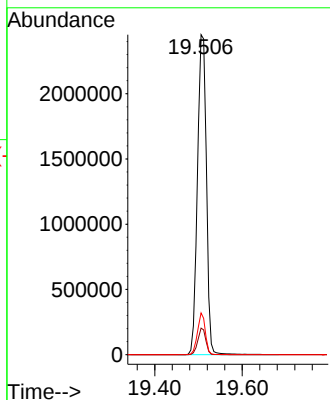
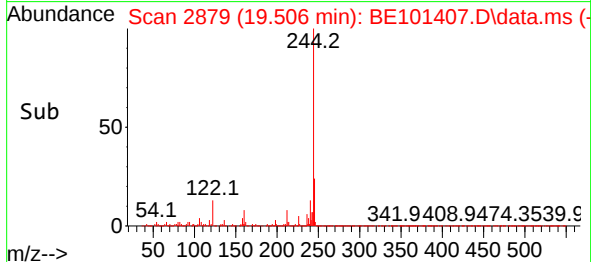
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:244 Resp: 3502250
Ion Ratio Lower Upper
244 100
212 8.3 7.2 10.8
122 13.0 10.4 15.6

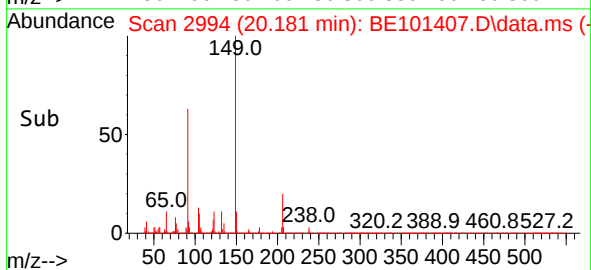
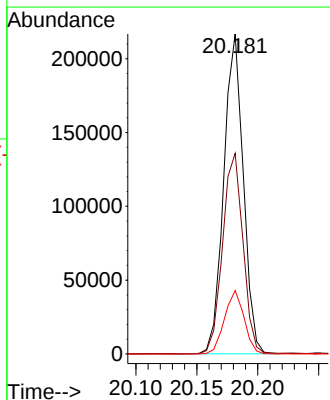
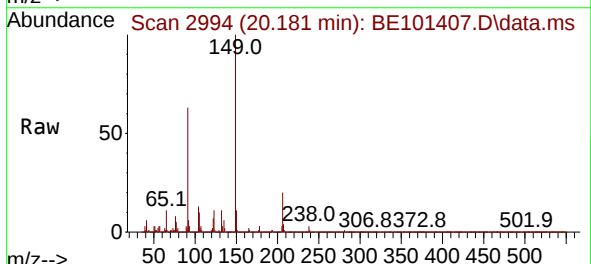
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APPROVED

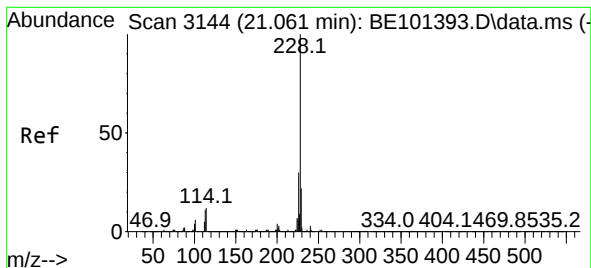
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#80
Butylbenzylphthalate
Concen: 8.788 ng
RT: 20.181 min Scan# 2994
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:149 Resp: 241382
Ion Ratio Lower Upper
149 100
91 62.7 51.8 77.8
206 19.8 17.4 26.2





#81

Benzo(a)anthracene

Concen: 9.864 ng

RT: 21.051 min Scan# 3144

Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

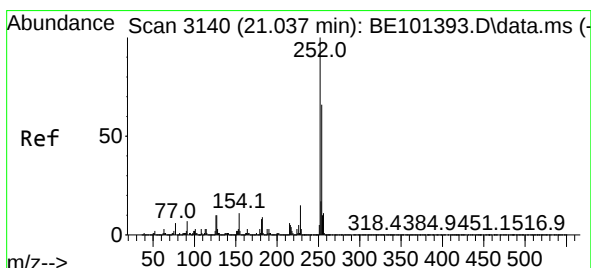
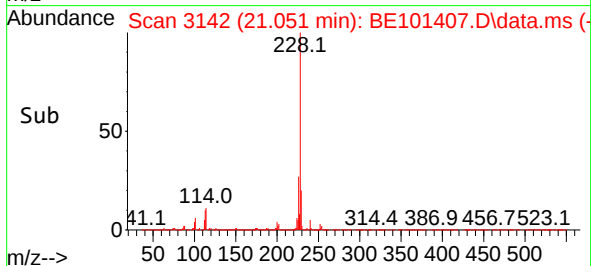
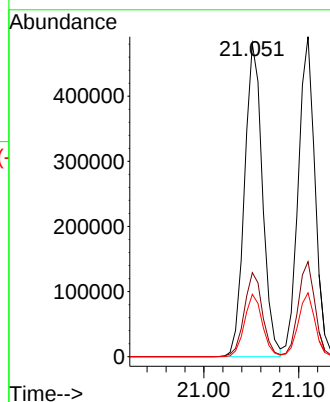
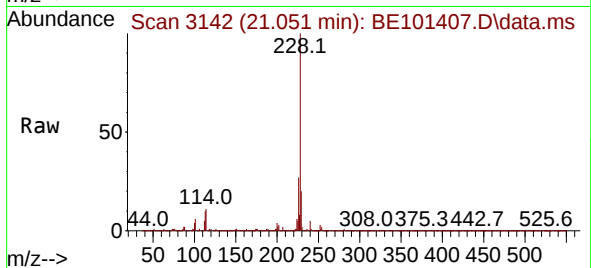
LOQ-SOIL-02-QT4-2024

Tgt Ion:	228	Resp:	63165
Ion Ratio	Lower	Upper	
228	100		
226	26.8	24.1	36.1
229	20.0	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: 9.057 ng

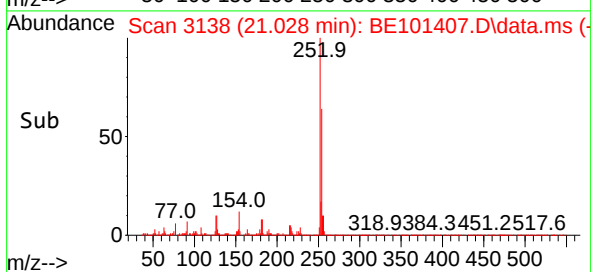
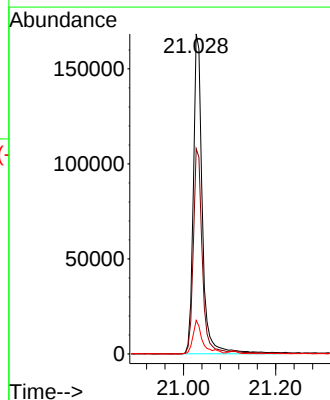
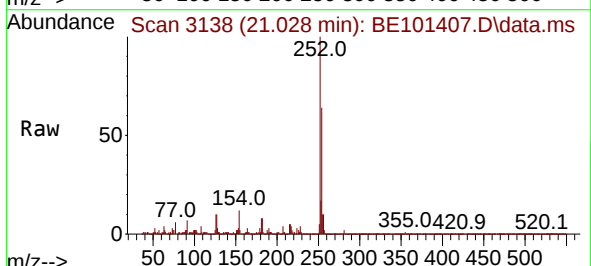
RT: 21.028 min Scan# 3138

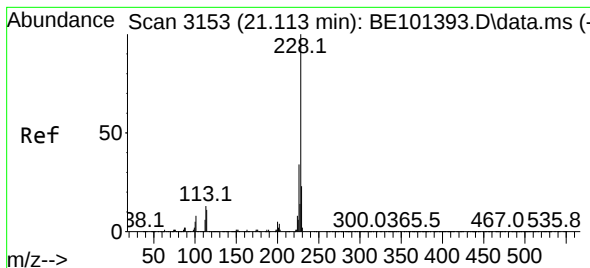
Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Tgt Ion:	252	Resp:	227196
Ion Ratio	Lower	Upper	
252	100		
254	64.1	52.6	78.8
126	10.5	7.7	11.5





#83

Chrysene

Concen: 9.905 ng

RT: 21.110 min Scan# 3153

Delta R.T. -0.004 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

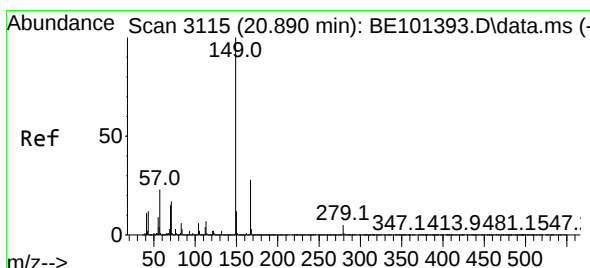
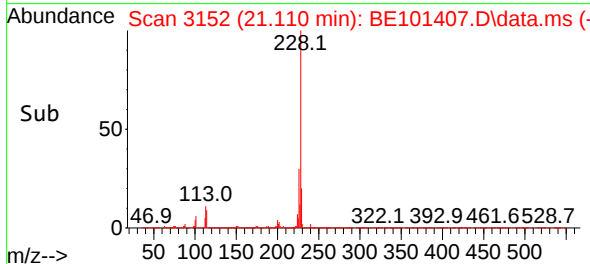
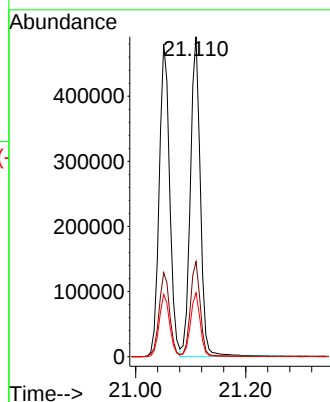
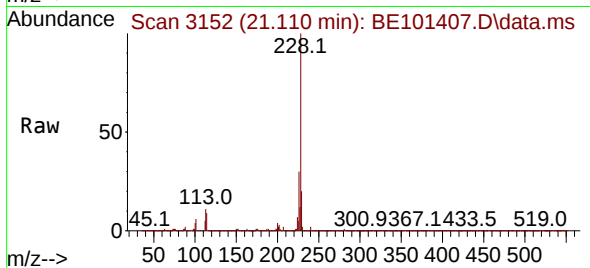
LOQ-SOIL-02-QT4-2024

Tgt Ion:	228	Resp:	61325
Ion Ratio	Lower	Upper	
228	100		
226	29.7	27.2	40.8
229	20.0	18.0	27.0

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.858 ng

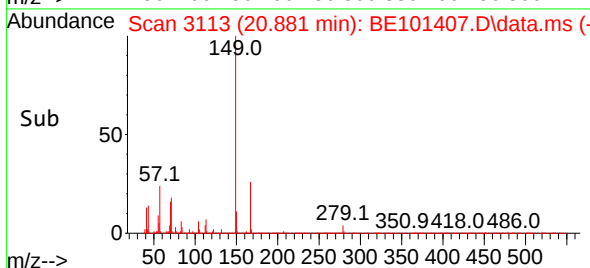
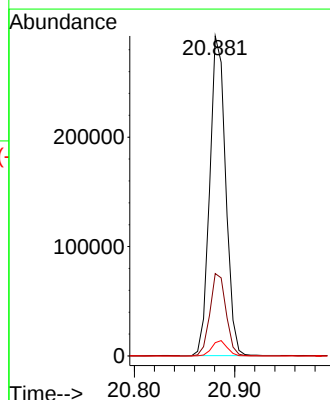
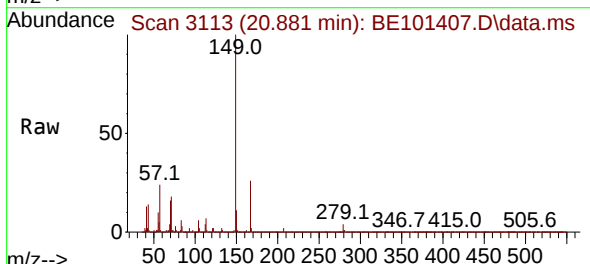
RT: 20.881 min Scan# 3113

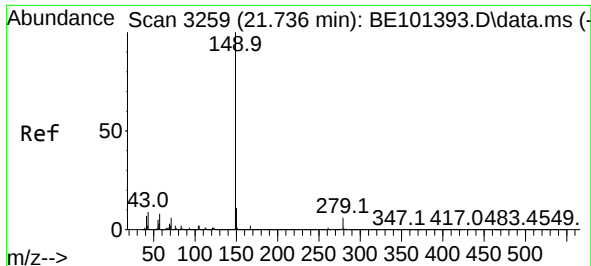
Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

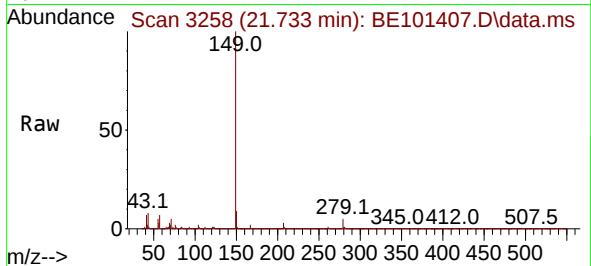
Tgt Ion:	149	Resp:	323186
Ion Ratio	Lower	Upper	
149	100		
167	25.8	22.7	34.1
279	4.1	4.3	6.5





#85
Di-n-octyl phthalate
Concen: 9.124 ng
RT: 21.733 min Scan# 31
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

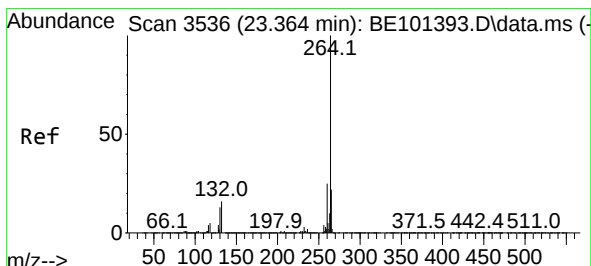
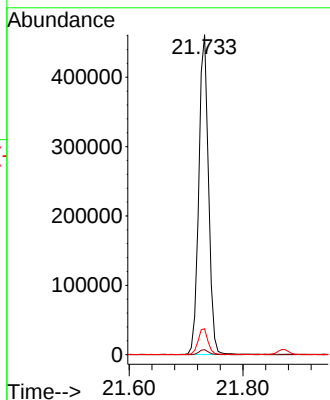
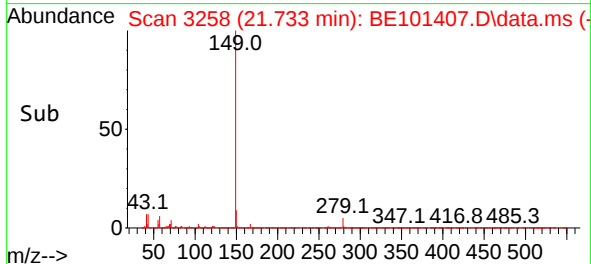
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:149 Resp: 54639
Ion Ratio Lower Upper
149 100
167 1.5 1.4 2.0
43 8.3 7.0 10.4

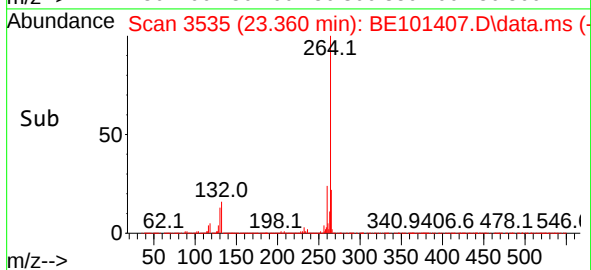
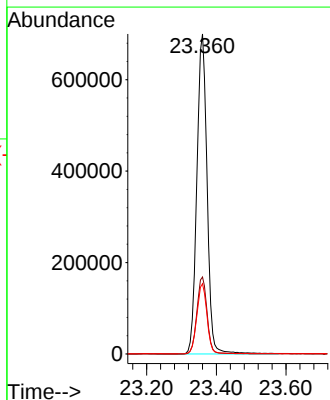
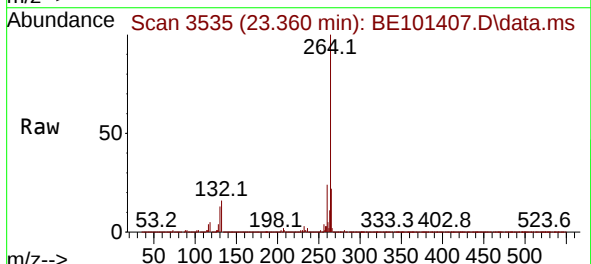
Manual Integrations
APPROVED

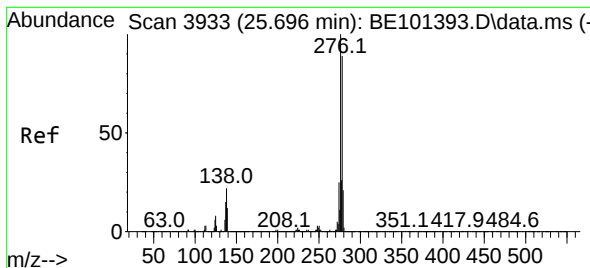
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.360 min Scan# 3535
Delta R.T. -0.004 min
Lab File: BE101407.D
Acq: 29 Oct 2024 15:08

Tgt Ion:264 Resp: 1430347
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.8
265 21.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.185 ng

RT: 25.663 min Scan# 3933

Delta R.T. -0.033 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

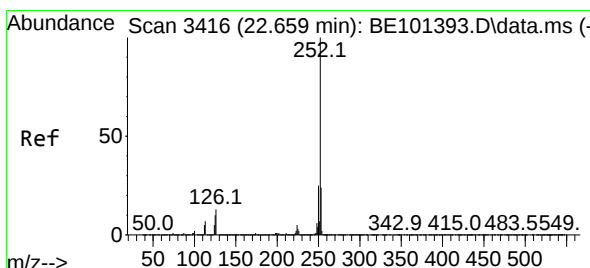
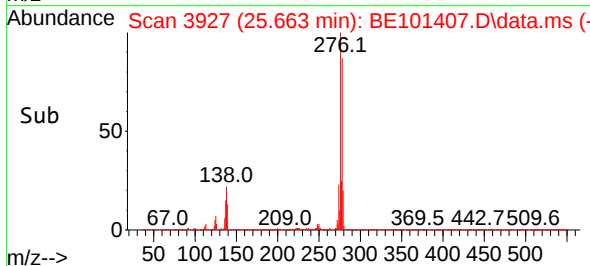
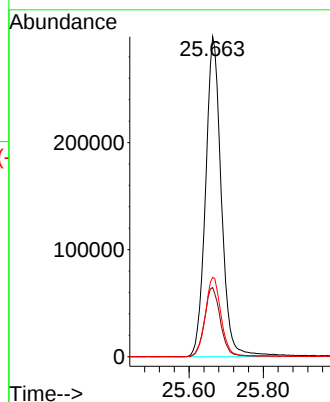
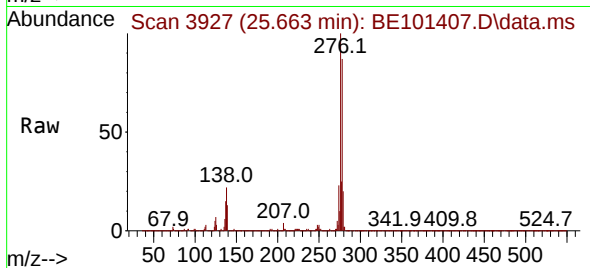
LOQ-SOIL-02-QT4-2024

Tgt Ion:	276	Resp:	87927
Ion Ratio	Lower	Upper	
276	100		
138	21.8	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: 8.813 ng

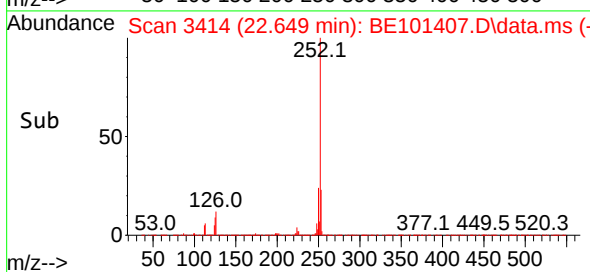
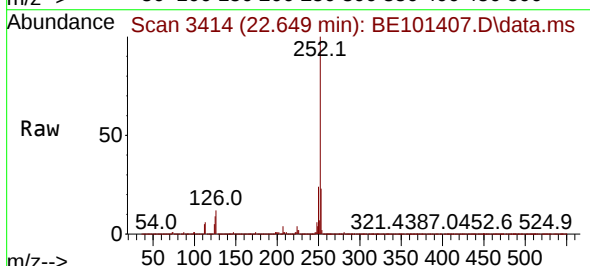
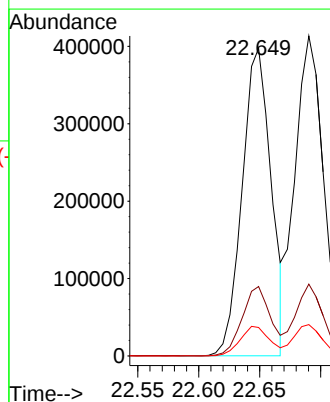
RT: 22.649 min Scan# 3414

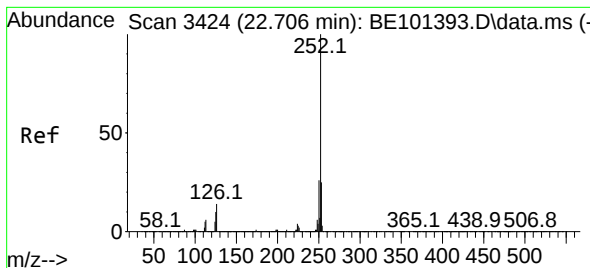
Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Tgt Ion:	252	Resp:	656933
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.0	28.6
125	9.2	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 9.953 ng

RT: 22.690 min Scan# 3424

Delta R.T. -0.015 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

Instrument :

BNA_E

ClientSampleId :

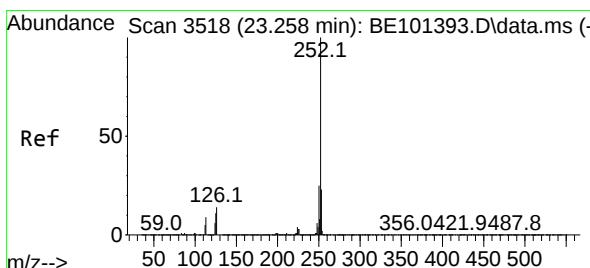
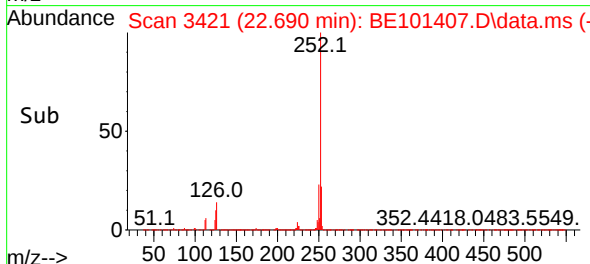
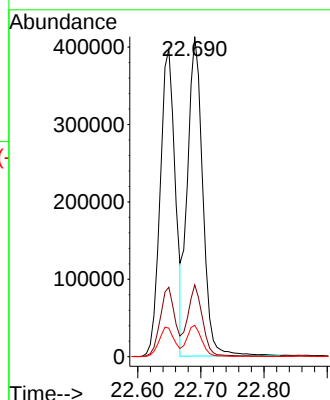
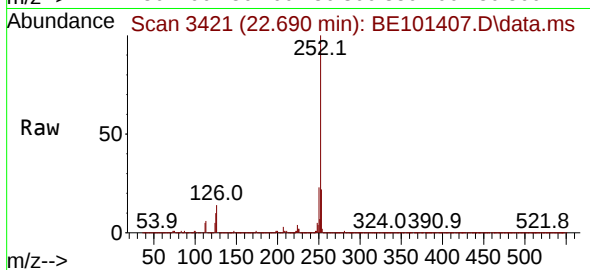
LOQ-SOIL-02-QT4-2024

Tgt Ion:	252	Resp:	693128
Ion Ratio	Lower	Upper	
252	100		
253	22.4	19.4	29.2
125	9.8	8.2	12.2

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 9.529 ng

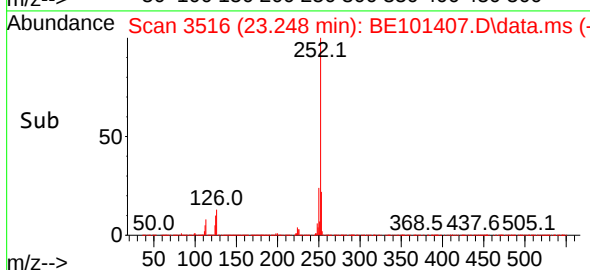
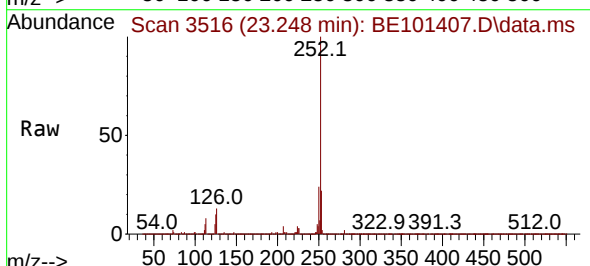
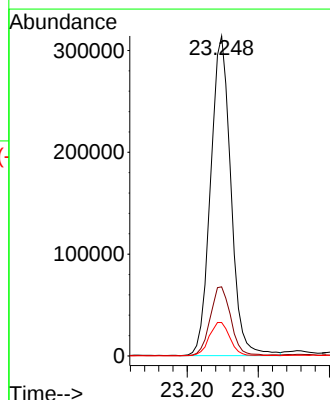
RT: 23.248 min Scan# 3516

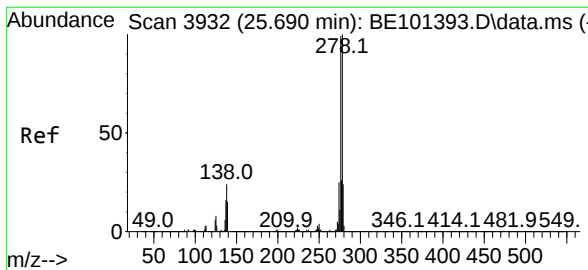
Delta R.T. -0.010 min

Lab File: BE101407.D

Acq: 29 Oct 2024 15:08

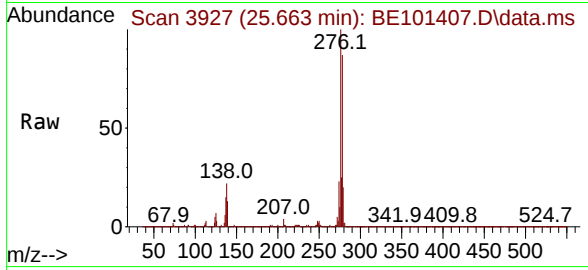
Tgt Ion:	252	Resp:	621175
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.4	27.6
125	10.5	9.0	13.6





#91
 Dibenzo(a,h)anthracene
 Concen: 9.086 ng
 RT: 25.663 min Scan# 3932
 Delta R.T. -0.027 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

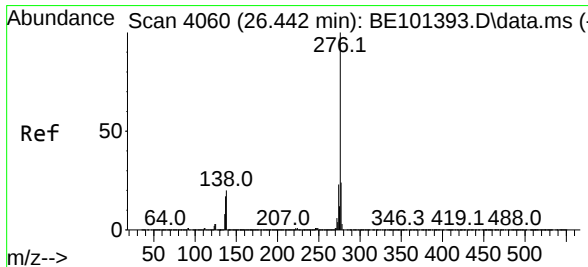
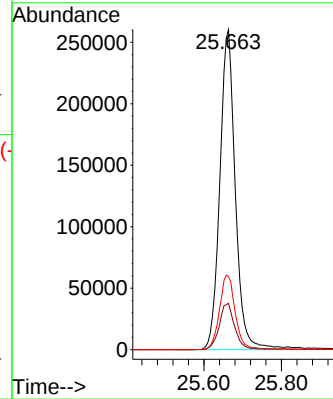
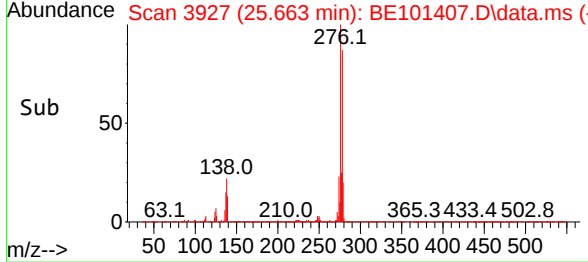
Instrument : BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



Tgt Ion: 278 Resp: 718714
 Ion Ratio Lower Upper
 278 100
 139 14.5 11.9 17.9
 279 22.8 19.3 28.9

Manual Integrations
 APPROVED

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



#92
 Benzo(g,h,i)perylene
 Concen: 8.255 ng
 RT: 26.415 min Scan# 4055
 Delta R.T. -0.027 min
 Lab File: BE101407.D
 Acq: 29 Oct 2024 15:08

Tgt Ion: 276 Resp: 672798
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.4 29.2
 138 19.0 15.8 23.6

