

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101403.D
 Acq On : 29 Oct 2024 12:42
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Oct 29 13:23:36 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	7.572	152	96533	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	489426	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	364612	20.000	ng	0.00
64) Phenanthrene-d10	16.914	188	880180	20.000	ng	0.00
76) Chrysene-d12	21.074	240	1010619	20.000	ng	0.00
86) Perylene-d12	23.360	264	1188813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.316	112	472889	85.858	ng	0.00
7) Phenol-d6	6.944	99	678730	88.873	ng	0.00
23) Nitrobenzene-d5	8.783	82	476722	61.179	ng	0.00
42) 2,4,6-Tribromophenol	15.686	330	579413	90.668	ng	0.00
45) 2-Fluorobiphenyl	12.801	172	1372193	63.735	ng	0.00
79) Terphenyl-d14	19.505	244	2791025	63.562	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.219	88	27360	13.319	ng	98
3) Pyridine	3.736	79	63555m	10.935	ng	
4) n-Nitrosodimethylamine	3.600	42	24075	10.706	ng	# 87
6) Aniline	7.014	93	112306	19.188	ng	98
8) 2-Chlorophenol	7.214	128	81794	12.382	ng	99
9) Benzaldehyde	6.785	77	60074	16.295	ng	99
10) Phenol	6.967	94	106211	12.818	ng	94
11) bis(2-Chloroethyl)ether	7.038	93	70718m	10.403	ng	
12) 1,3-Dichlorobenzene	7.455	146	88235	12.387	ng	98
13) 1,4-Dichlorobenzene	7.608	146	88739	12.199	ng	98
14) 1,2-Dichlorobenzene	7.937	146	87327	12.265	ng	98
15) Benzyl Alcohol	7.913	79	54895	12.059	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.066	45	113091	13.220	ng	98
17) 2-Methylphenol	8.154	107	63990	11.410	ng	98
18) Hexachloroethane	8.630	117	27904	11.747	ng	98
19) n-Nitroso-di-n-propyla...	8.371	70	65165	12.858	ng	97
20) 3+4-Methylphenols	8.489	107	88038	11.372	ng	98
22) Acetophenone	8.424	105	137071	12.334	ng	# 98
24) Nitrobenzene	8.824	77	97084	11.706	ng	98
25) Isophorone	9.270	82	186046	12.235	ng	100
26) 2-Nitrophenol	9.511	139	43513	10.855	ng	98
27) 2,4-Dimethylphenol	9.629	122	40407	8.011	ng	98
28) bis(2-Chloroethoxy)met...	9.776	93	109885	11.916	ng	98
29) 2,4-Dichlorophenol	10.058	162	80182	11.490	ng	98
30) 1,2,4-Trichlorobenzene	10.181	180	87849	11.556	ng	98
31) Naphthalene	10.387	128	297238	11.918	ng	100
32) Benzoic acid	9.834	122	44026m	15.248	ng	
33) 4-Chloroaniline	10.610	127	117239	13.518	ng	99
34) Hexachlorobutadiene	10.633	225	50214	11.159	ng	96
35) Caprolactam	11.385	113	29472	11.018	ng	96
36) 4-Chloro-3-methylphenol	11.779	107	90793	11.427	ng	99
37) 2-Methylnaphthalene	11.973	142	219382	12.209	ng	98
38) 1-Methylnaphthalene	12.202	142	206751	11.529	ng	99
40) 1,2,4,5-Tetrachloroben...	12.331	216	109153	11.925	ng	100
41) Hexachlorocyclopentadiene	12.314	237	39602	13.101	ng	98
43) 2,4,6-Trichlorophenol	12.649	196	71431	11.320	ng	99

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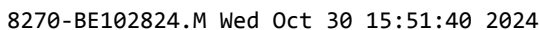
Reviewed By :Jagrut Upadhyay 10/30/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.749	196	78994	10.932	ng	98
46) 1,1'-Biphenyl	13.007	154	310088	12.413	ng	100
47) 2-Chloronaphthalene	13.048	162	230825	11.696	ng	98
48) 2-Nitroaniline	13.383	65	60590	11.408	ng	97
49) Acenaphthylene	13.912	152	380294	13.030	ng	99
50) Dimethylphthalate	13.683	163	326003	12.667	ng	98
51) 2,6-Dinitrotoluene	13.818	165	66129	11.129	ng	98
52) Acenaphthene	14.241	154	231002	12.121	ng	100
53) 3-Nitroaniline	14.229	138	70617	11.952	ng	95
54) 2,4-Dinitrophenol	14.364	184	31913	12.645	ng	92
55) Dibenzofuran	14.582	168	382898	12.606	ng	97
56) 4-Nitrophenol	14.640	139	58188	10.754	ng	98
57) 2,4-Dinitrotoluene	14.599	165	90846	11.105	ng	91
58) Fluorene	15.222	166	316242	12.445	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.852	232	81909	12.269	ng	99
60) Diethylphthalate	15.005	149	338297	12.567	ng	98
61) 4-Chlorophenyl-phenyle...	15.210	204	153231	12.152	ng	96
62) 4-Nitroaniline	15.410	138	77201	11.742	ng	99
63) Azobenzene	15.504	77	291061	12.578	ng	98
65) 4,6-Dinitro-2-methylph...	15.345	198	59273	11.460	ng	97
66) n-Nitrosodiphenylamine	15.457	169	281890	12.077	ng	99
67) 4-Bromophenyl-phenylether	16.092	248	105518	11.397	ng	100
68) Hexachlorobenzene	16.197	284	140525	11.579	ng	98
69) Atrazine	16.391	200	105132	14.692	ng	98
70) Pentachlorophenol	16.609	266	107500	15.389	ng	98
71) Phenanthrene	16.955	178	536412	12.729	ng	97
72) Anthracene	17.044	178	508462	12.357	ng	97
73) Carbazole	17.373	167	516908	12.277	ng	98
74) Di-n-butylphthalate	17.819	149	582289	12.562	ng	97
75) Fluoranthene	18.959	202	654414	12.785	ng	95
77) Benzidine	19.217	184	140213	10.932	ng	100
78) Pyrene	19.329	202	703505	12.658	ng	96
80) Butylbenzylphthalate	20.181	149	288885	11.857	ng	99
81) Benzo(a)anthracene	21.051	228	759286	13.367	ng	95
82) 3,3'-Dichlorobenzidine	21.027	252	261812	11.766	ng	99
83) Chrysene	21.109	228	729629	13.285	ng	94
84) Bis(2-ethylhexyl)phtha...	20.880	149	382917	11.831	ng	# 95
85) Di-n-octyl phthalate	21.732	149	663125	12.483	ng	100
87) Indeno(1,2,3-cd)pyrene	25.669	276	1082264	13.603	ng	99
88) Benzo(b)fluoranthene	22.649	252	792441	12.791	ng	97
89) Benzo(k)fluoranthene	22.690	252	839727	14.508	ng	97
90) Benzo(a)pyrene	23.248	252	749172	13.827	ng	99
91) Dibenzo(a,h)anthracene	25.663	278	884922	13.461	ng	99
92) Benzo(g,h,i)perylene	26.409	276	825102	12.181	ng	100

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

Manual Integrations

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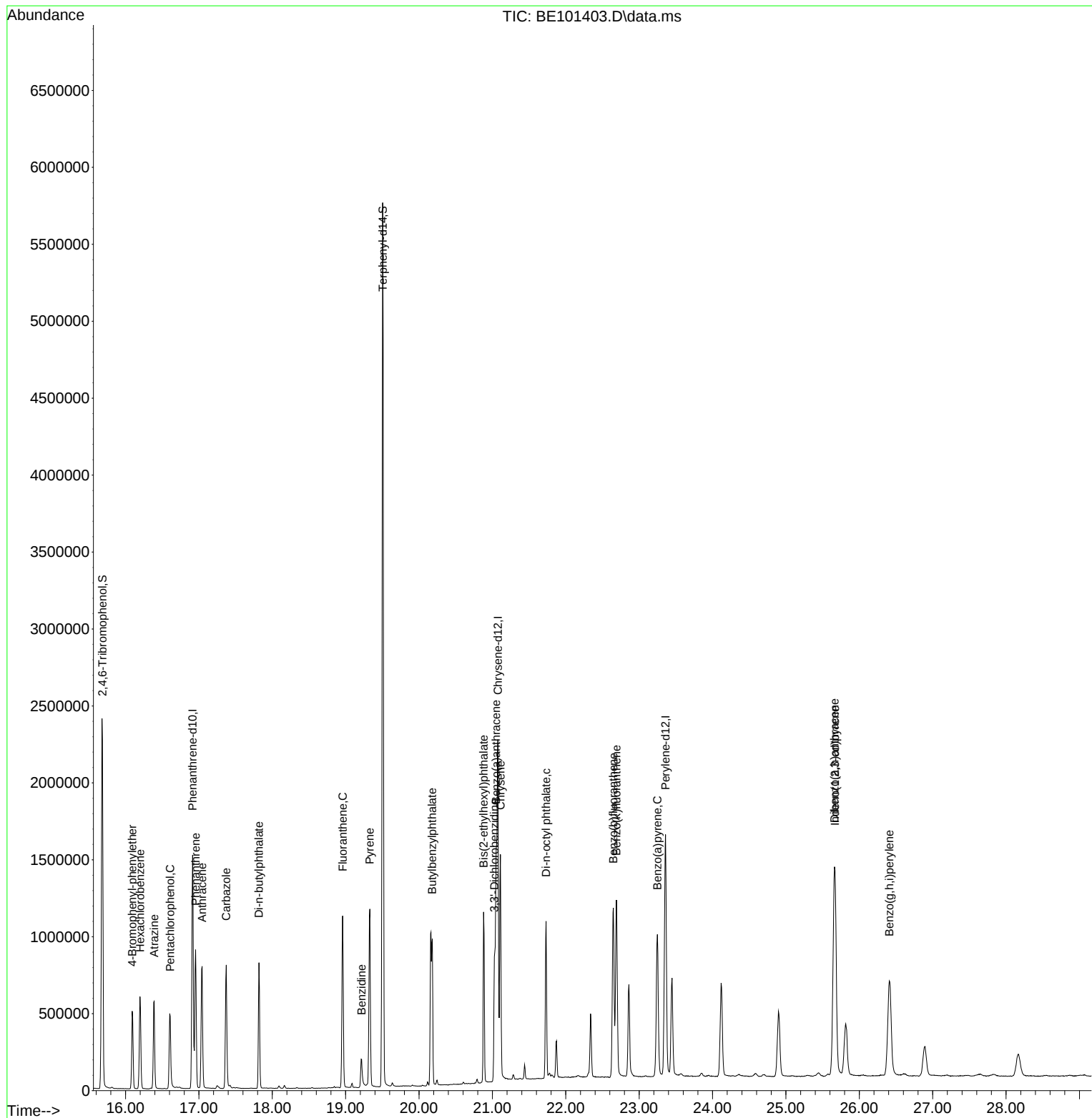
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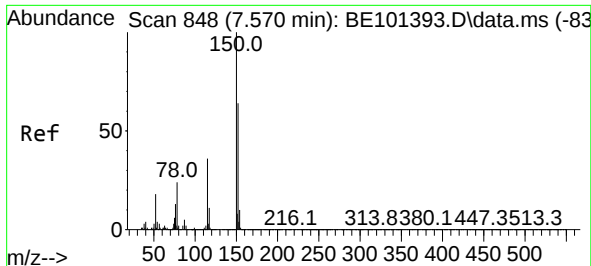
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Quant Time: Oct 29 13:23:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
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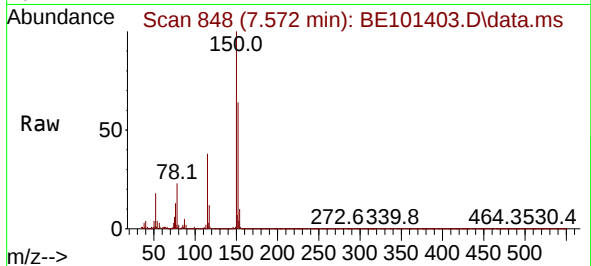
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.572 min Scan# 84
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

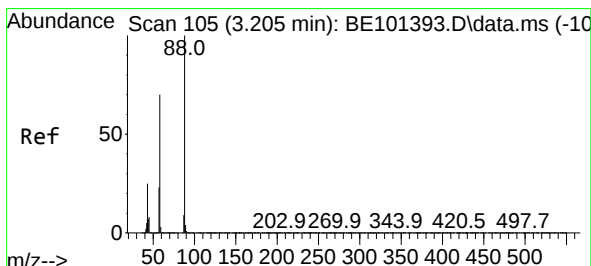
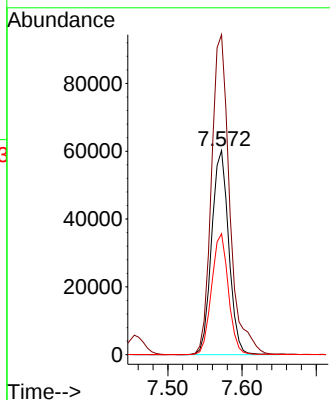
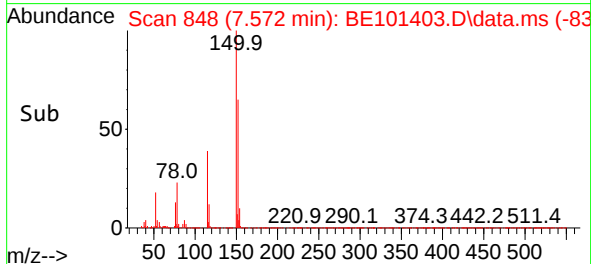
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 9653
Ion Ratio Lower Upper
152 100
150 156.8 124.2 186.4
115 59.3 45.3 67.9

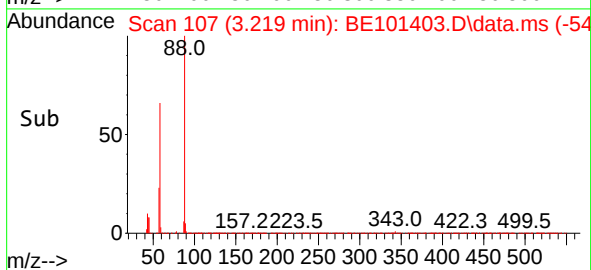
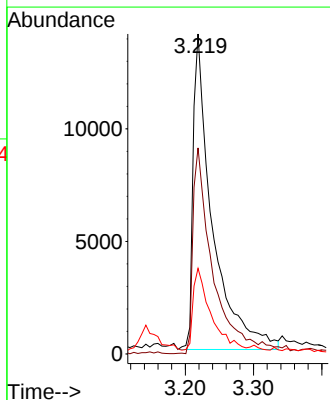
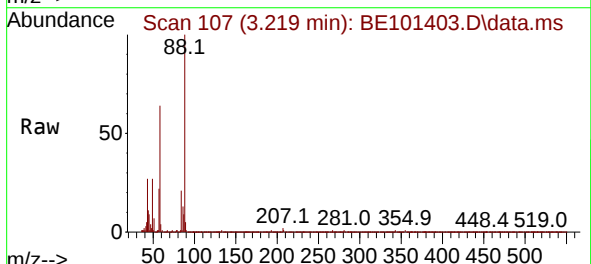
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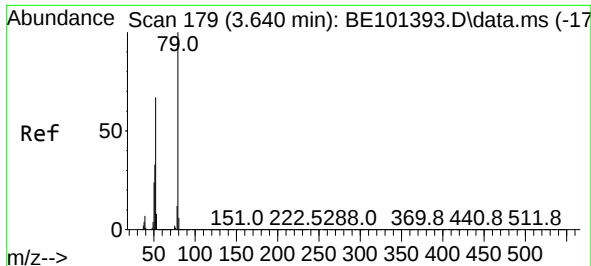
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#2
1,4-Dioxane
Concen: 13.319 ng
RT: 3.219 min Scan# 107
Delta R.T. 0.014 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

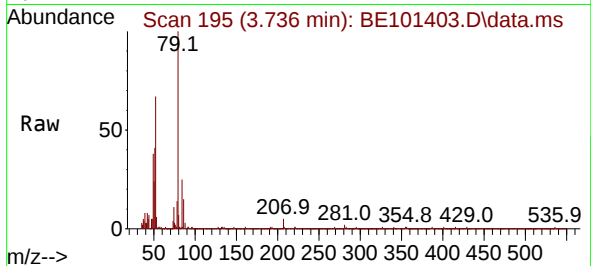
Tgt Ion: 88 Resp: 27360
Ion Ratio Lower Upper
88 100
58 68.8 56.5 84.7
43 23.8 19.8 29.8





#3
Pyridine
Concen: 10.935 ng m
RT: 3.736 min Scan# 171
Delta R.T. 0.096 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

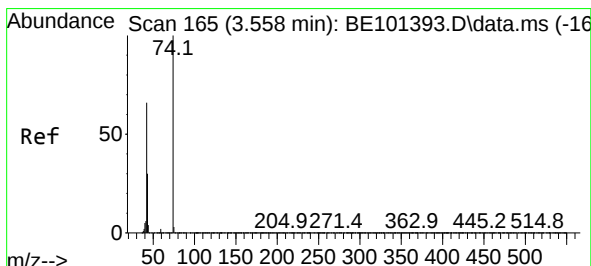
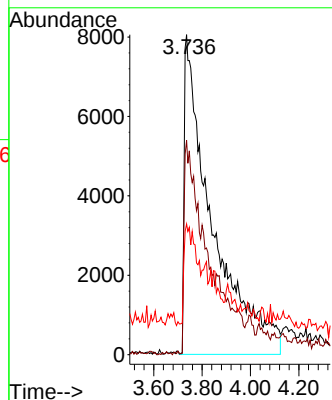
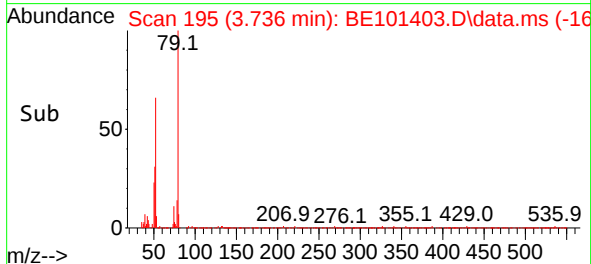
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 79 Resp: 6355
Ion Ratio Lower Upper
79 100
52 67.0 53.3 79.9
51 40.8 27.3 40.9

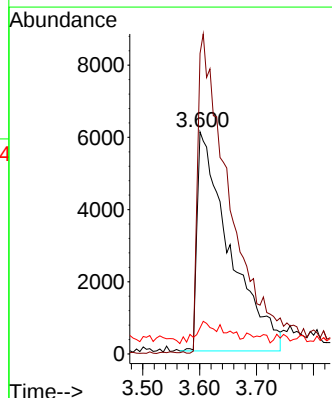
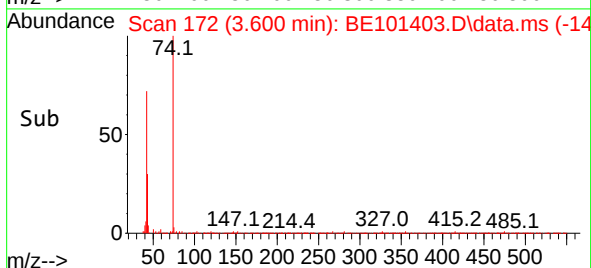
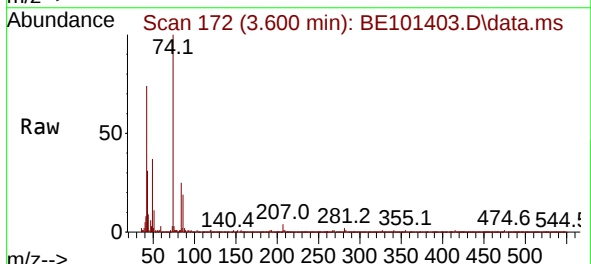
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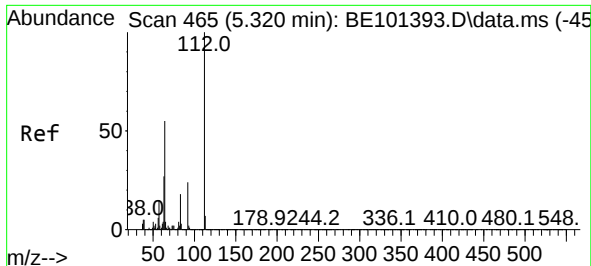
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#4
n-Nitrosodimethylamine
Concen: 10.706 ng
RT: 3.600 min Scan# 172
Delta R.T. 0.043 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

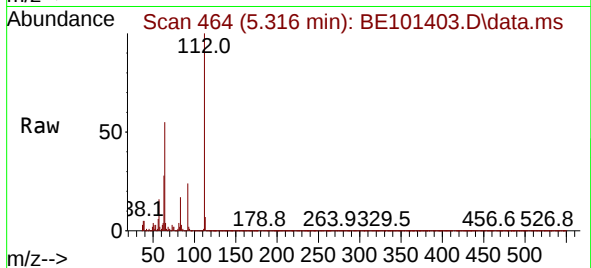
Tgt Ion: 42 Resp: 24075
Ion Ratio Lower Upper
42 100
74 135.2 121.4 182.0
44 11.8 5.6 8.4





#5
2-Fluorophenol
Concen: 85.858 ng
RT: 5.316 min Scan# 465
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

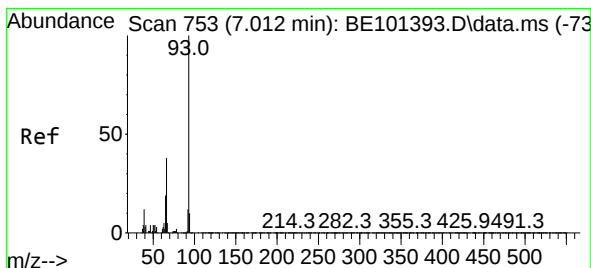
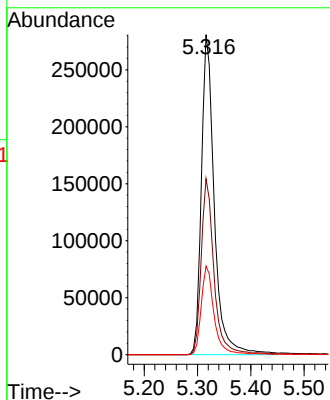
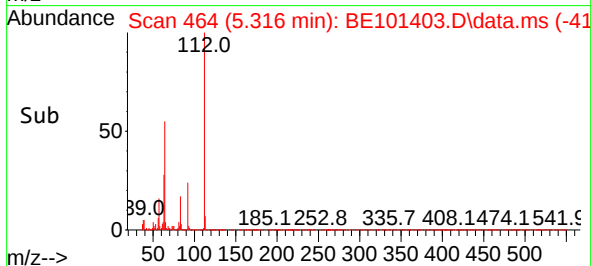
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ClientSampleId :
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Tgt Ion:112 Resp: 472889
Ion Ratio Lower Upper
112 100
64 55.0 43.7 65.5
63 27.7 21.4 32.2

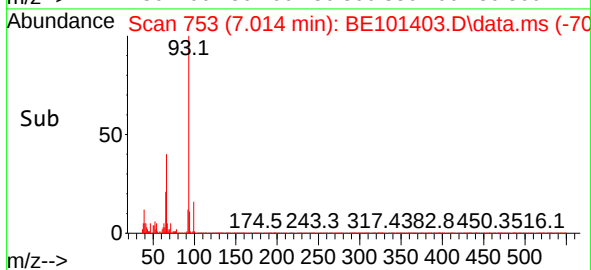
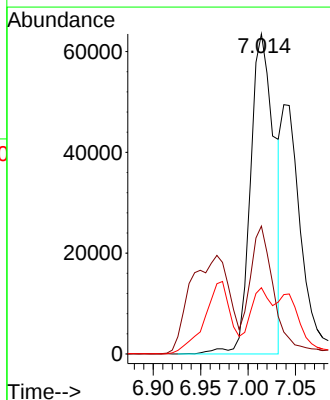
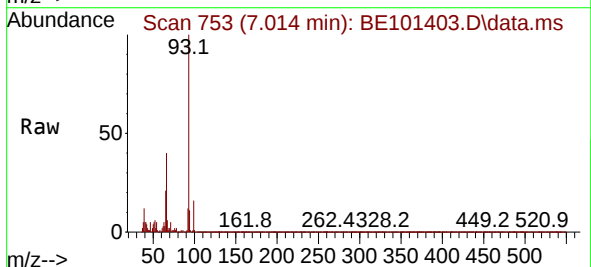
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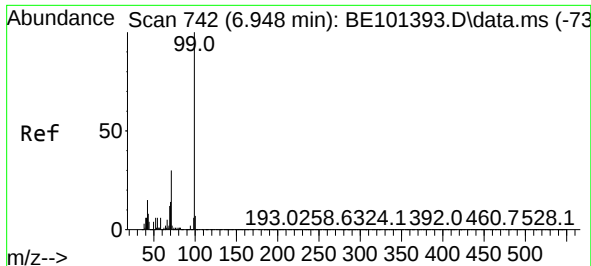
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#6
Aniline
Concen: 19.188 ng
RT: 7.014 min Scan# 753
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 93 Resp: 112306
Ion Ratio Lower Upper
93 100
66 40.0 31.0 46.4
65 20.7 15.5 23.3





#7

Phenol-d6

Concen: 88.873 ng

RT: 6.944 min Scan# 741

Delta R.T. -0.004 min

Lab File: BE101403.D

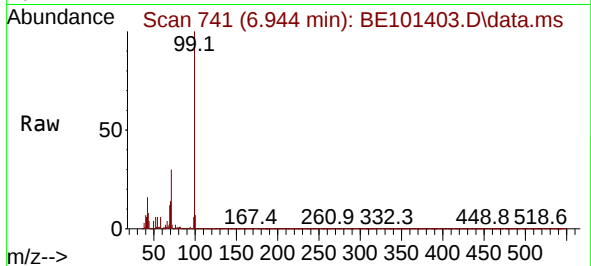
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Instrument :

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ClientSampleId :

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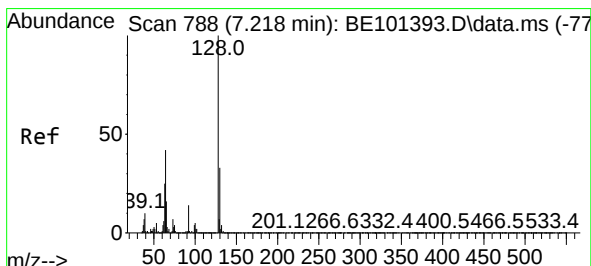
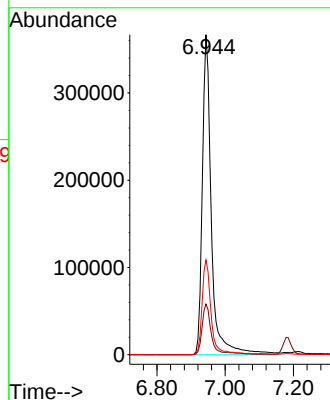
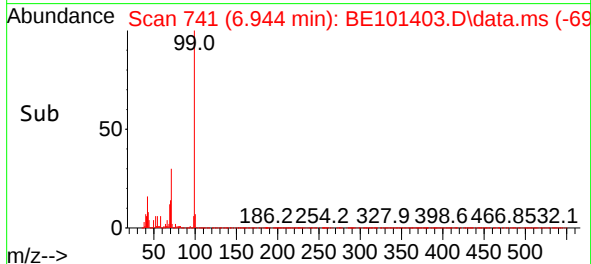
Tgt Ion: 99 Resp: 678730

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.3	18.5
71	29.6	23.8	35.8

Manual Integrations

APPROVED

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#8

2-Chlorophenol

Concen: 12.382 ng

RT: 7.214 min Scan# 787

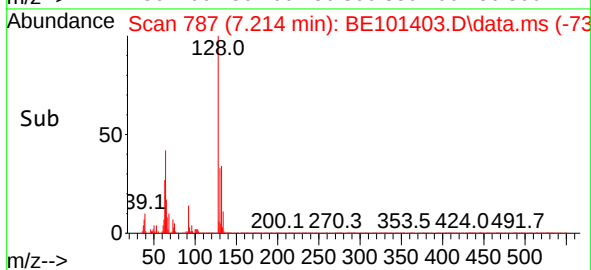
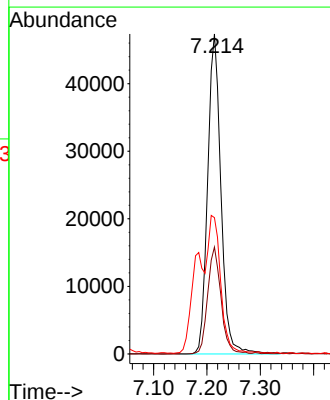
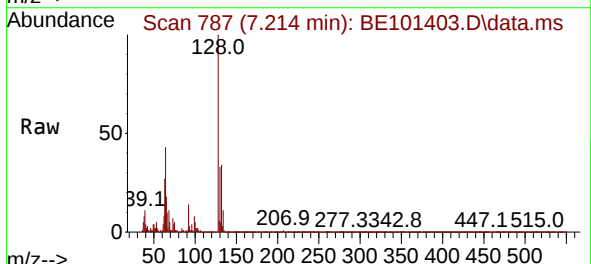
Delta R.T. -0.004 min

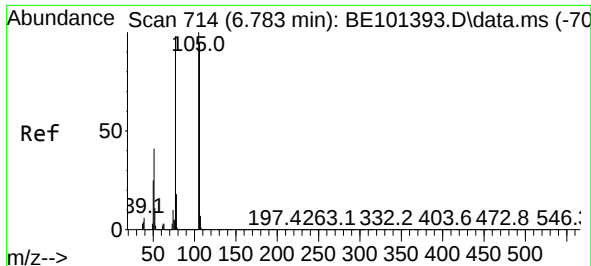
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Tgt Ion:128 Resp: 81794

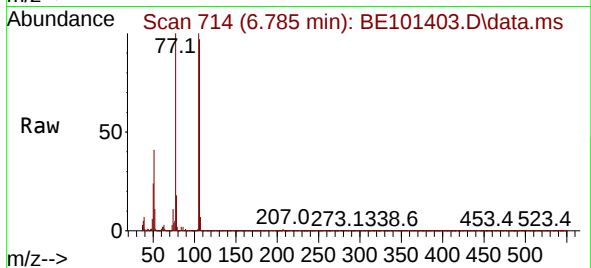
Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.9	52.9
64	42.6	22.3	62.3





#9
Benzaldehyde
Concen: 16.295 ng
RT: 6.785 min Scan# 714
Delta R.T. 0.002 min
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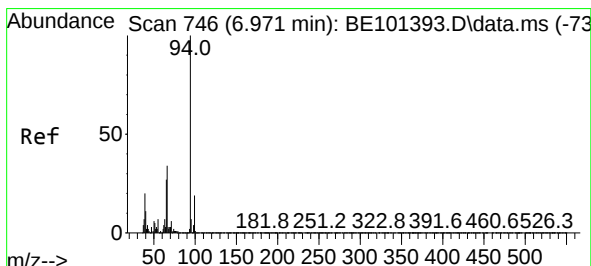
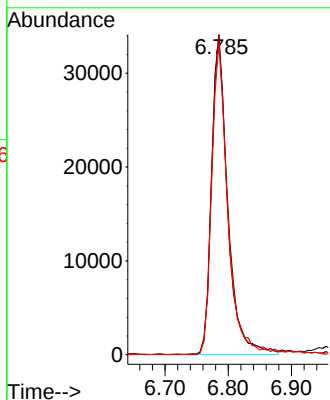
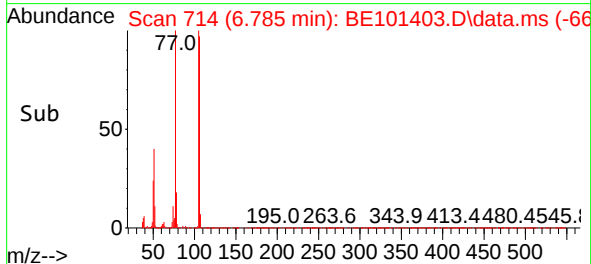
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



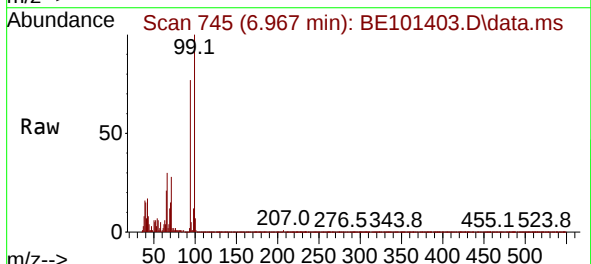
Tgt Ion: 77 Resp: 60074
Ion Ratio Lower Upper
77 100
105 100.0 81.9 121.9
106 97.0 76.5 116.5

Manual Integrations
APPROVED

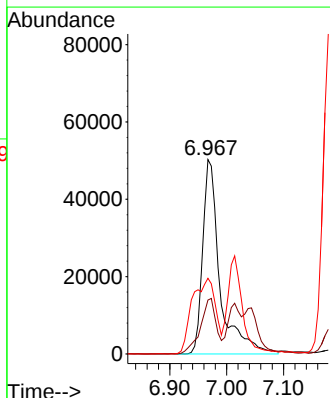
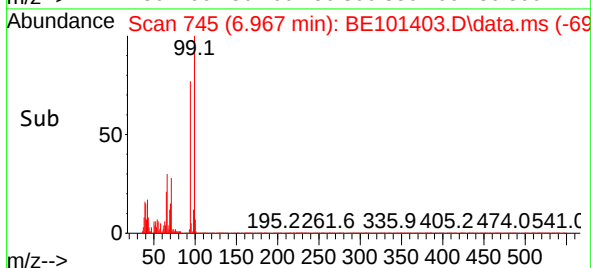
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

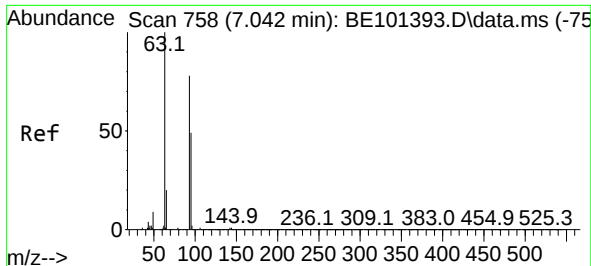


#10
Phenol
Concen: 12.818 ng
RT: 6.967 min Scan# 745
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42



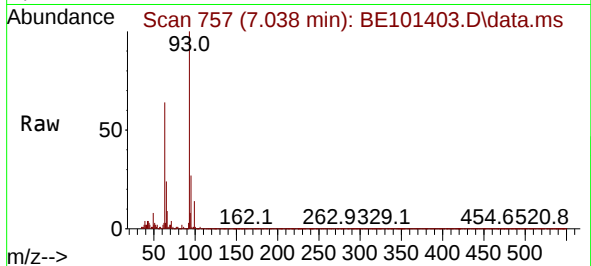
Tgt Ion: 94 Resp: 106211
Ion Ratio Lower Upper
94 100
65 27.7 6.8 46.8
66 38.9 14.0 54.0





#11
bis(2-Chloroethyl)ether
Concen: 10.403 ng m
RT: 7.038 min Scan# 70718
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

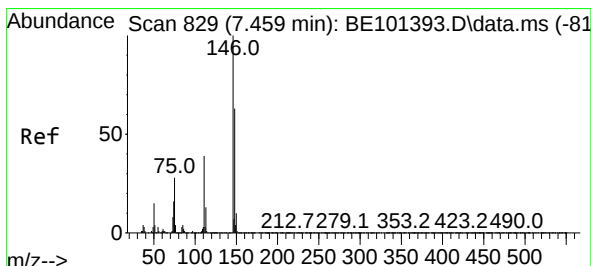
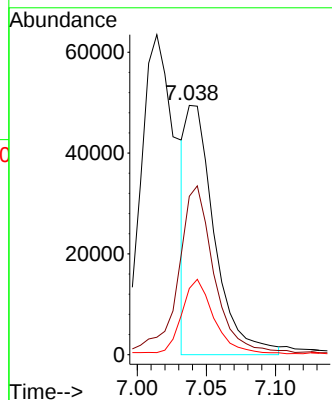
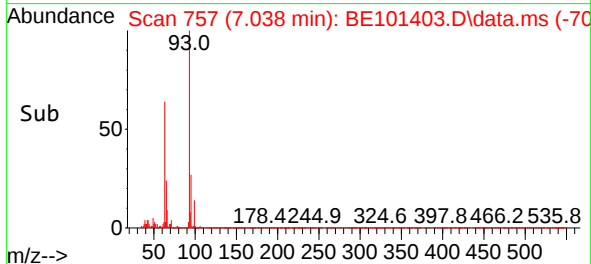
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 93 Resp: 70718
Ion Ratio Lower Upper
93 100
63 63.6 46.3 86.3
95 26.6 9.6 49.6

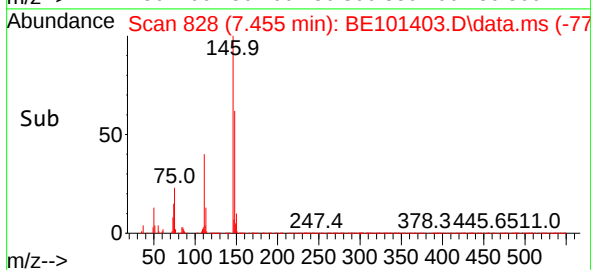
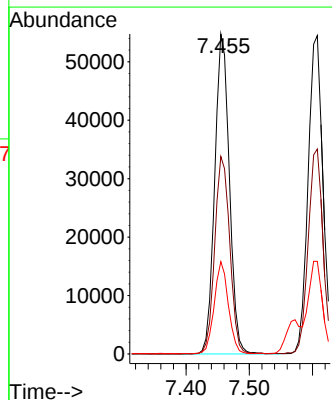
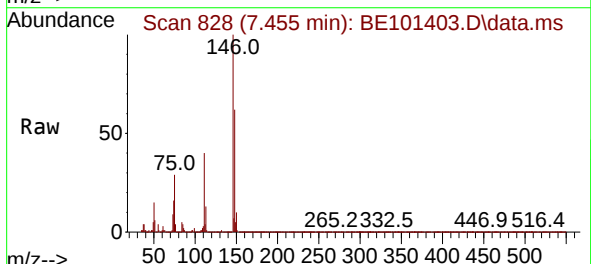
Manual Integrations
APPROVED

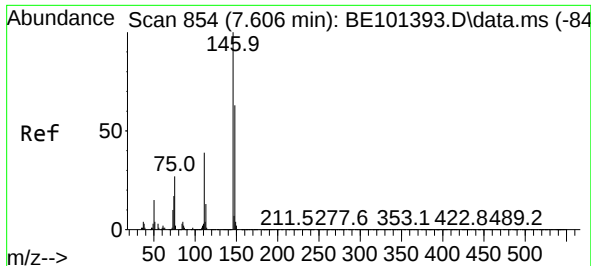
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#12
1,3-Dichlorobenzene
Concen: 12.387 ng
RT: 7.455 min Scan# 828
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:146 Resp: 88235
Ion Ratio Lower Upper
146 100
148 61.7 50.5 75.7
75 28.9 22.0 33.0





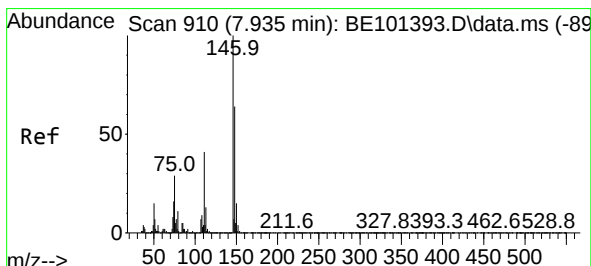
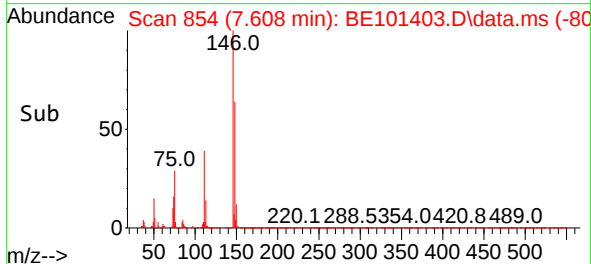
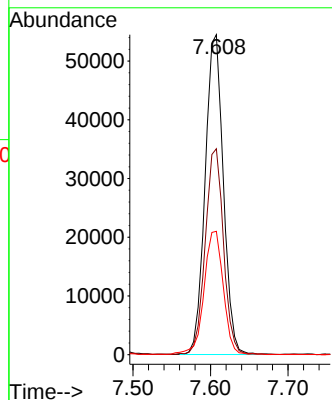
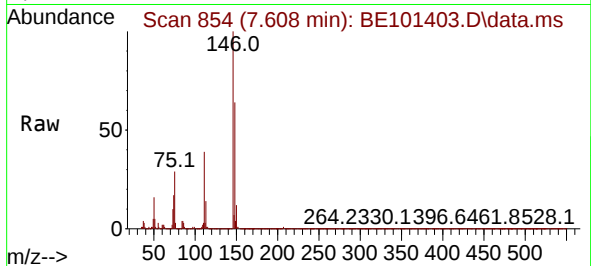
#13
1,4-Dichlorobenzene
Concen: 12.199 ng
RT: 7.608 min Scan# 854
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:146 Resp: 88739
Ion Ratio Lower Upper
146 100
148 64.4 50.2 75.2
111 38.5 31.6 47.4

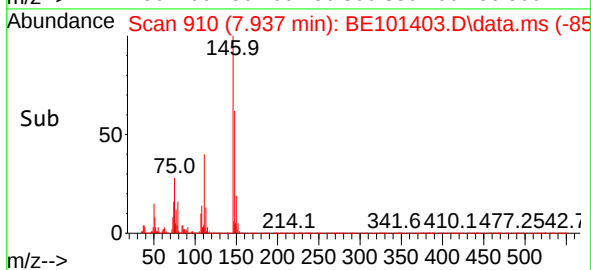
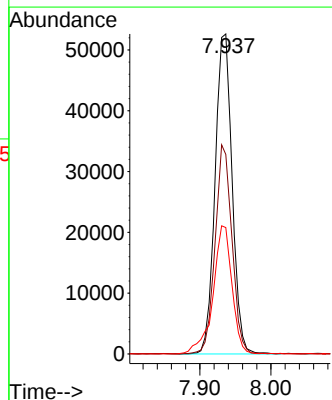
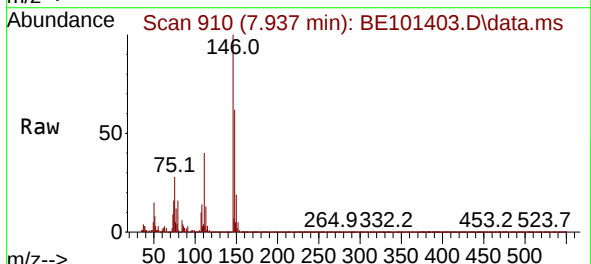
Manual Integrations
APPROVED

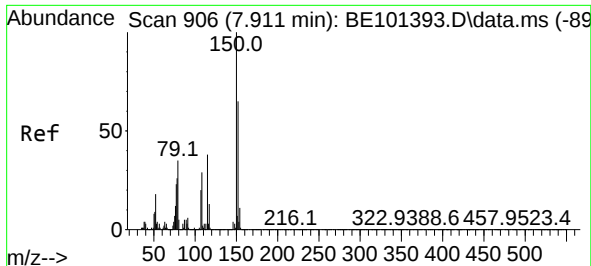
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#14
1,2-Dichlorobenzene
Concen: 12.265 ng
RT: 7.937 min Scan# 910
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:146 Resp: 87327
Ion Ratio Lower Upper
146 100
148 62.3 51.4 77.2
111 39.5 32.8 49.2





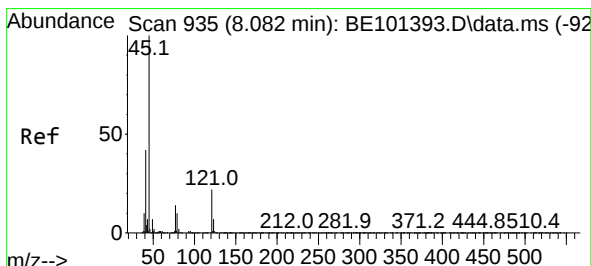
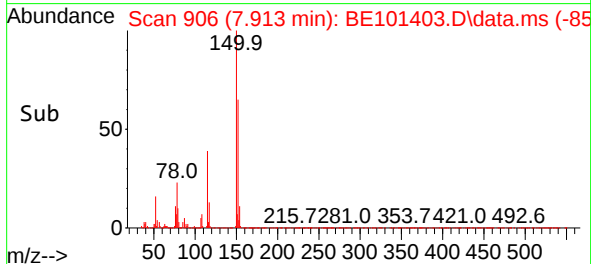
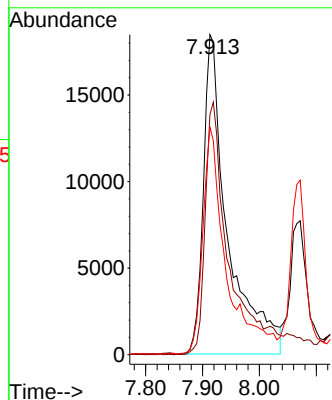
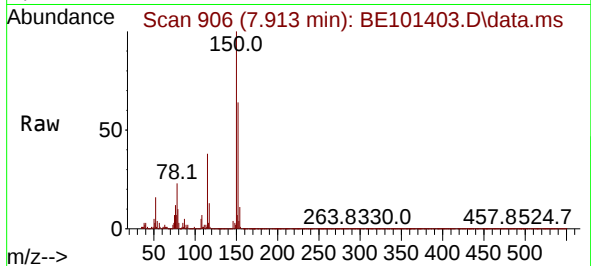
#15
Benzyl Alcohol
Concen: 12.059 ng
RT: 7.913 min Scan# 906
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion: 79 Resp: 5489
Ion Ratio Lower Upper
79 100
108 75.0 66.1 99.1
77 71.1 53.1 79.7

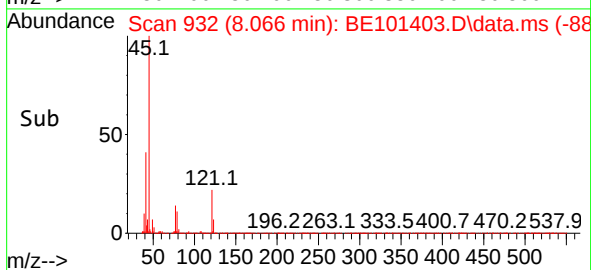
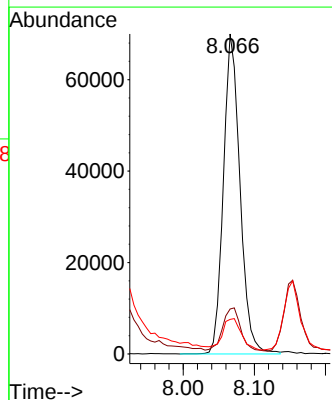
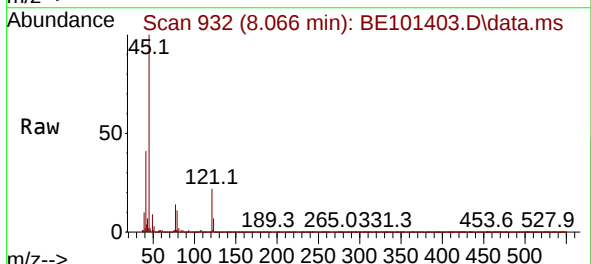
Manual Integrations
APPROVED

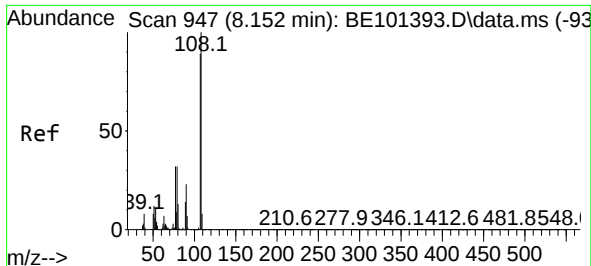
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 13.220 ng
RT: 8.066 min Scan# 932
Delta R.T. -0.016 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

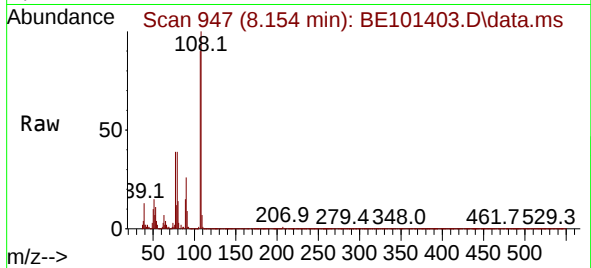
Tgt Ion: 45 Resp: 113091
Ion Ratio Lower Upper
45 100
77 14.1 0.0 34.5
79 10.8 0.0 31.8





#17
2-Methylphenol
Concen: 11.410 ng
RT: 8.154 min Scan# 947
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

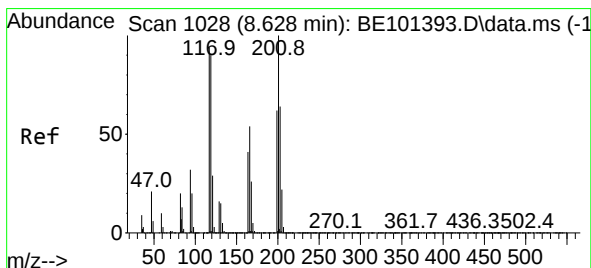
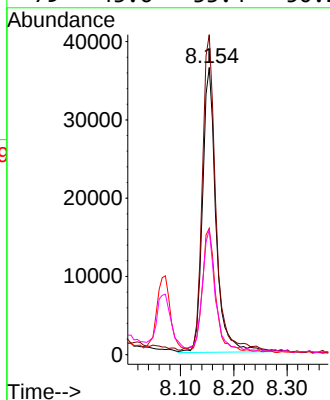
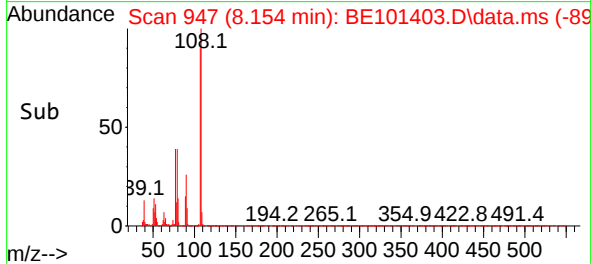
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:	107	Resp:	63990
Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.0	135.0
77	44.0	34.2	51.4
79	43.6	33.4	50.2

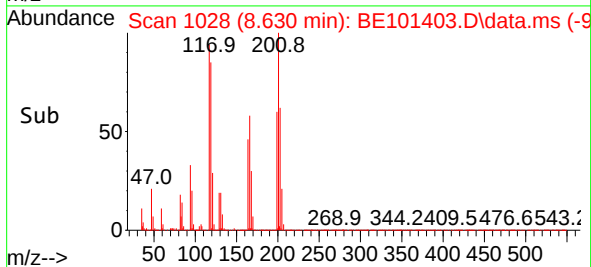
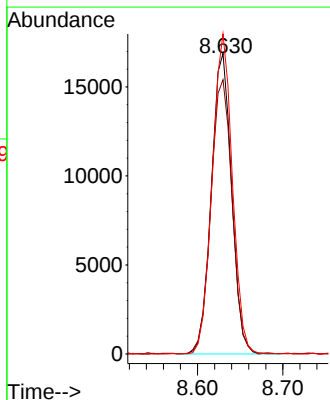
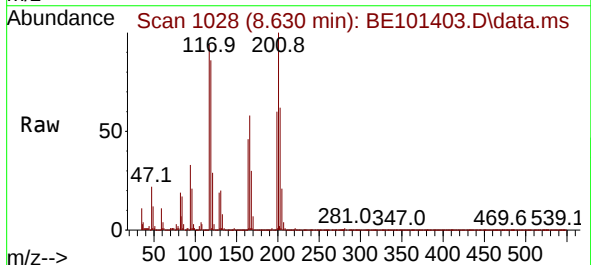
Manual Integrations
APPROVED

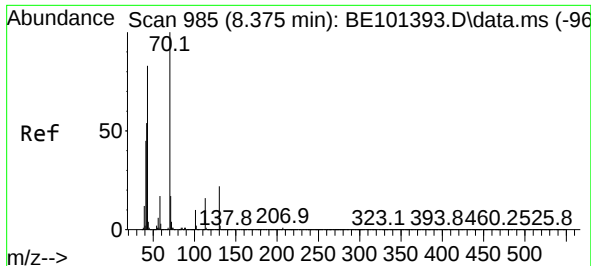
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#18
Hexachloroethane
Concen: 11.747 ng
RT: 8.630 min Scan# 1028
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

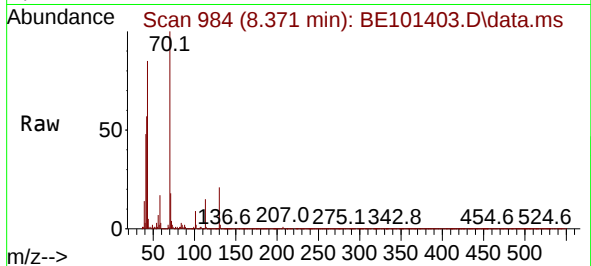
Tgt Ion:	117	Resp:	27904
Ion	Ratio	Lower	Upper
117	100		
119	91.2	77.0	115.4
201	106.5	85.3	127.9





#19
n-Nitroso-di-n-propylamine
Concen: 12.858 ng
RT: 8.371 min Scan# 985
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

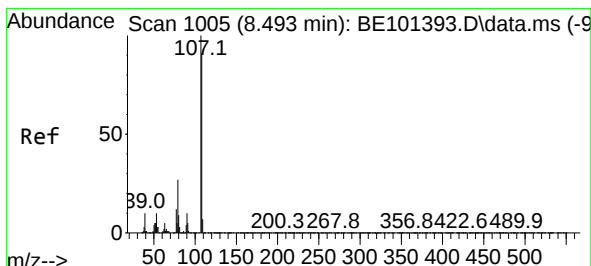
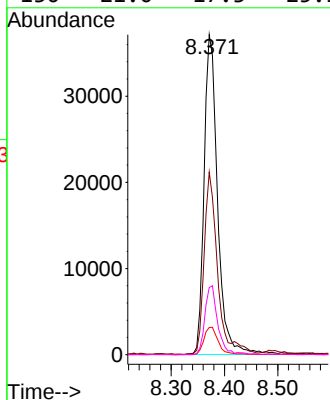
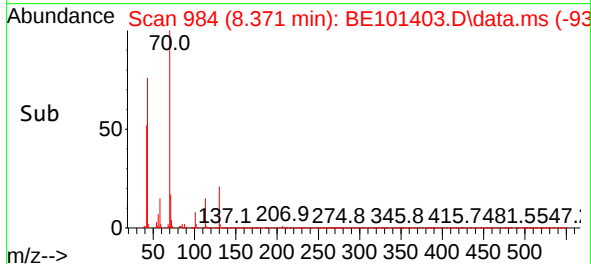
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



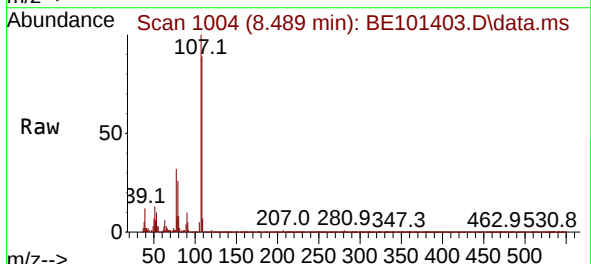
Tgt Ion: 70 Resp: 6516
Ion Ratio Lower Upper
70 100
42 57.1 43.4 65.0
101 8.5 8.1 12.1
130 21.0 17.3 25.9

Manual Integrations
APPROVED

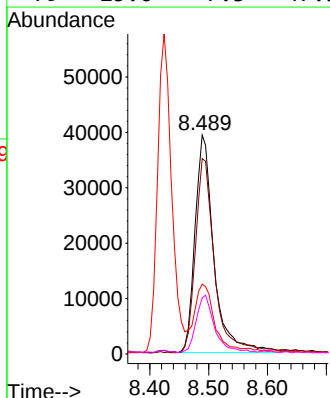
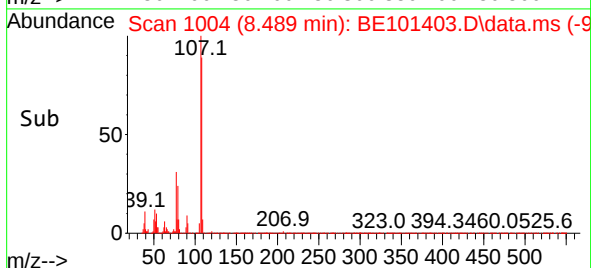
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

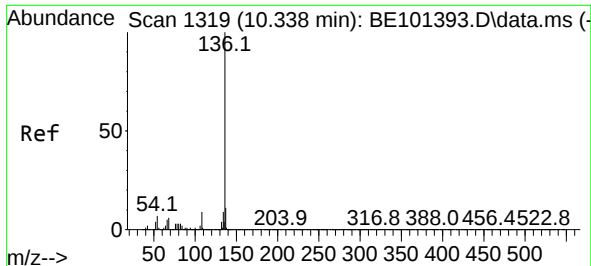


#20
3+4-Methylphenols
Concen: 11.372 ng
RT: 8.489 min Scan# 1004
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42



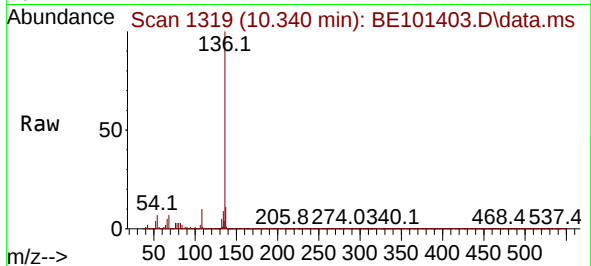
Tgt Ion:107 Resp: 88038
Ion Ratio Lower Upper
107 100
108 89.2 70.6 110.6
77 31.9 11.3 51.3
79 25.6 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

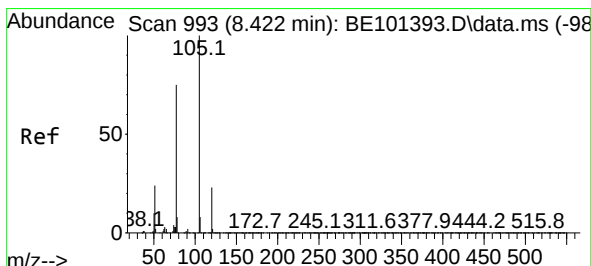
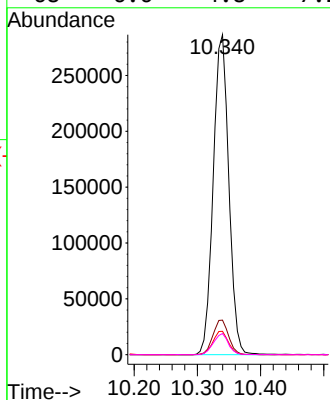
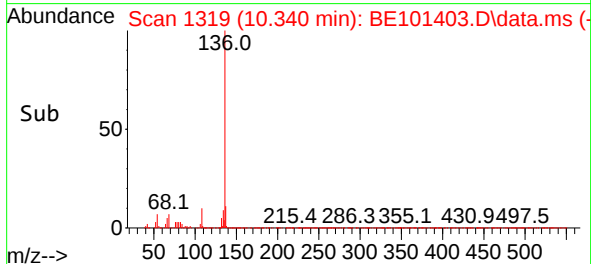
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:136 Resp: 489420
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 7.3 5.9 8.9
68 6.6 4.8 7.2

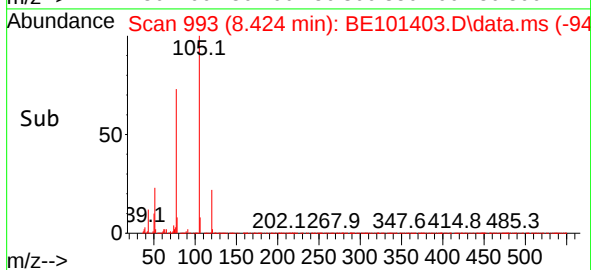
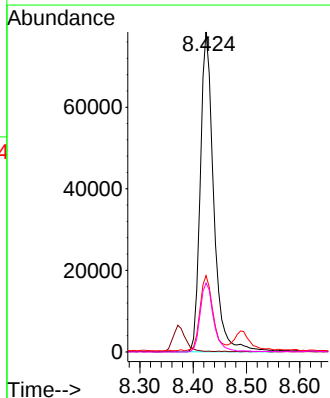
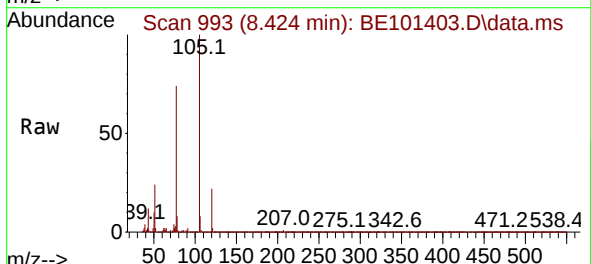
Manual Integrations
APPROVED

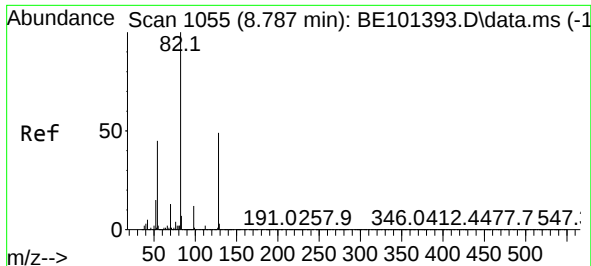
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#22
Acetophenone
Concen: 12.334 ng
RT: 8.424 min Scan# 993
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

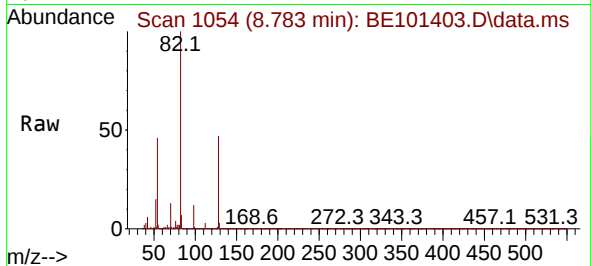
Tgt Ion:105 Resp: 137071
Ion Ratio Lower Upper
105 100
71 0.2 0.1 0.1#
51 23.8 19.4 29.0
120 21.5 18.4 27.6





#23
Nitrobenzene-d5
Concen: 61.179 ng
RT: 8.783 min Scan# 1055
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

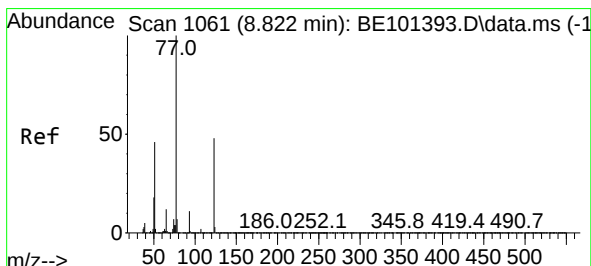
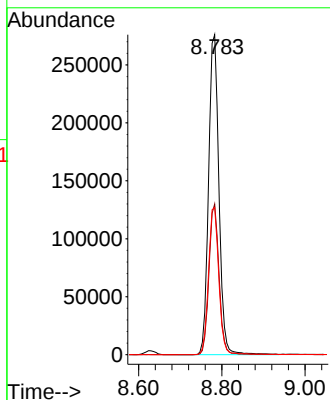
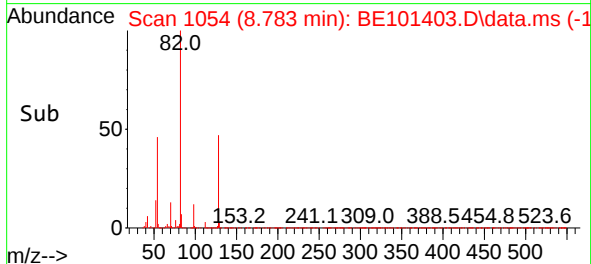
Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 476722
Ion Ratio Lower Upper
82 100
128 47.1 38.9 58.3
54 46.0 36.2 54.4

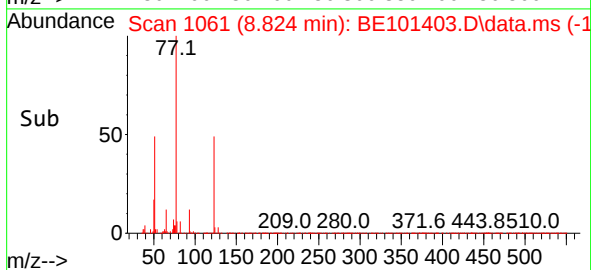
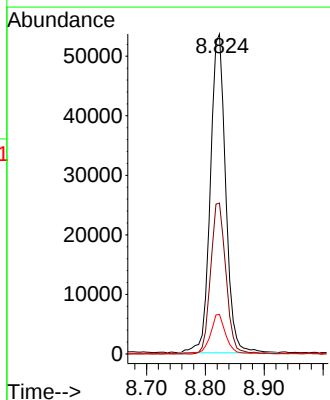
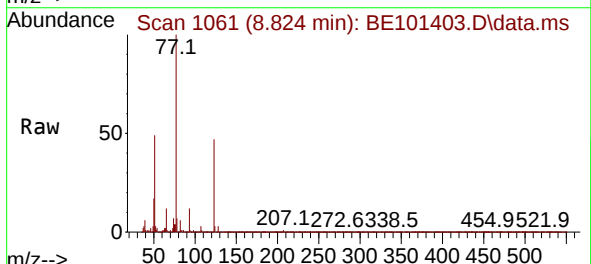
Manual Integrations
APPROVED

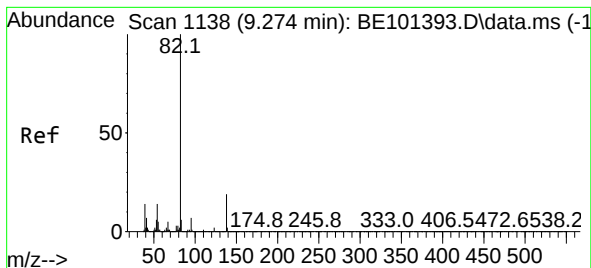
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#24
Nitrobenzene
Concen: 11.706 ng
RT: 8.824 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 77 Resp: 97084
Ion Ratio Lower Upper
77 100
123 47.1 38.7 58.1
65 12.4 10.0 15.0





#25

Isophorone

Concen: 12.235 ng

RT: 9.270 min Scan# 1138

Delta R.T. -0.004 min

Lab File: BE101403.D

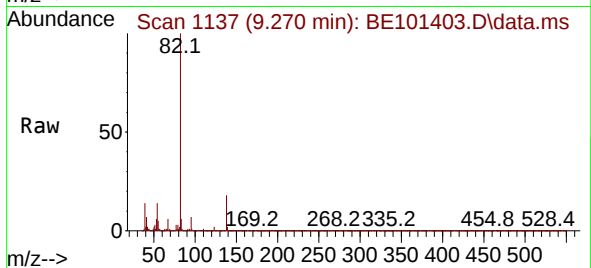
Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 18604

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

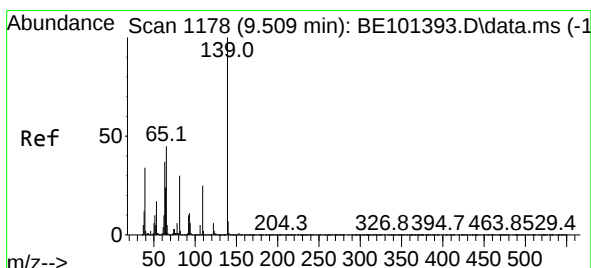
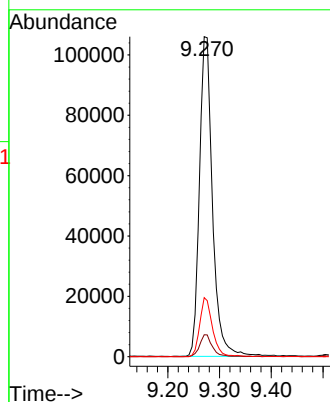
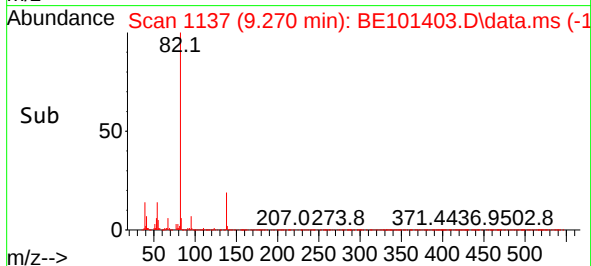
138 18.5 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024

Supervised By :mohammad ahmed 11/04/2024



#26

2-Nitrophenol

Concen: 10.855 ng

RT: 9.511 min Scan# 1178

Delta R.T. 0.002 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

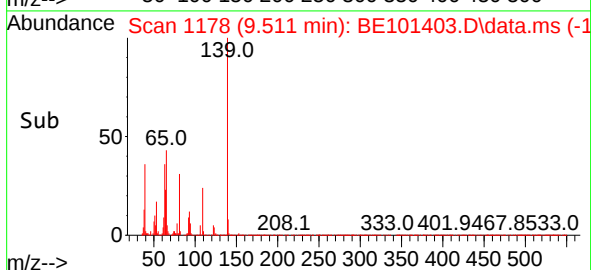
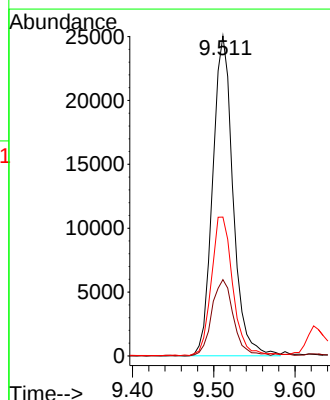
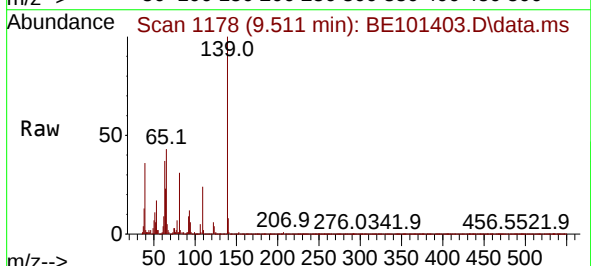
Tgt Ion:139 Resp: 43513

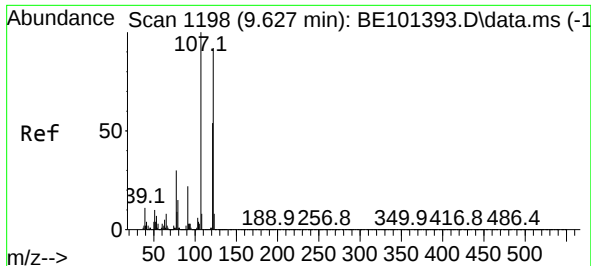
Ion Ratio Lower Upper

139 100

109 23.9 20.1 30.1

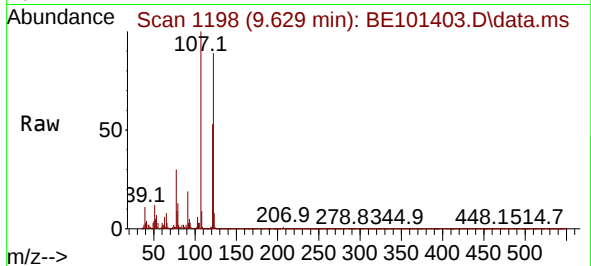
65 43.4 36.0 54.0





#27
2,4-Dimethylphenol
Concen: 8.011 ng
RT: 9.629 min Scan# 1198
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

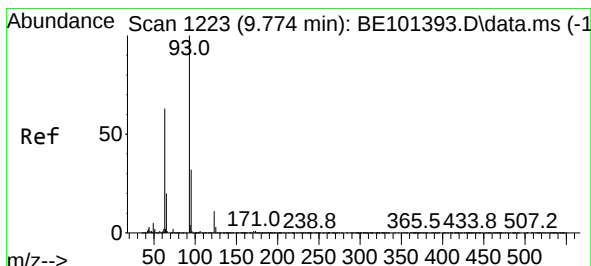
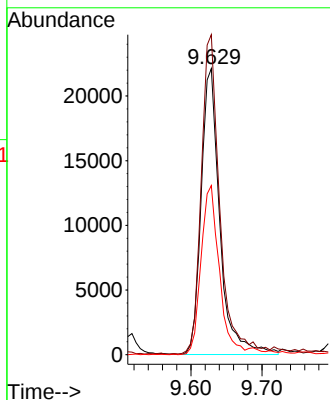
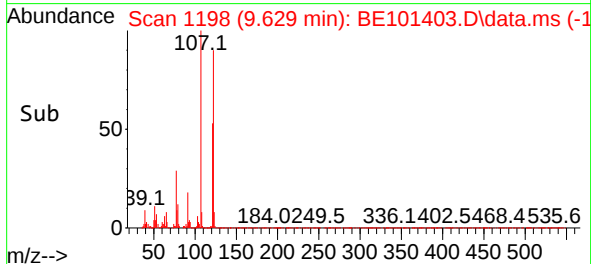
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 122 Resp: 4040
Ion Ratio Lower Upper
122 100
107 111.9 87.4 131.0
121 59.1 47.4 71.0

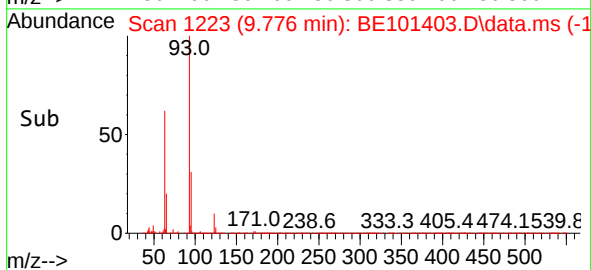
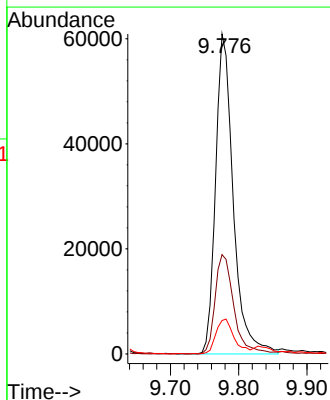
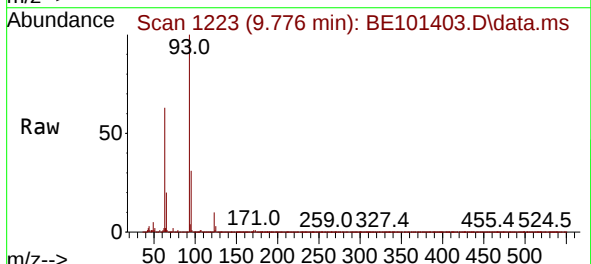
Manual Integrations
APPROVED

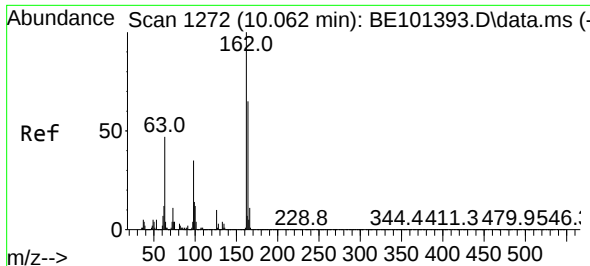
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#28
bis(2-Chloroethoxy)methane
Concen: 11.916 ng
RT: 9.776 min Scan# 1223
Delta R.T. 0.002 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 93 Resp: 109885
Ion Ratio Lower Upper
93 100
95 31.0 25.8 38.6
123 10.5 8.6 13.0





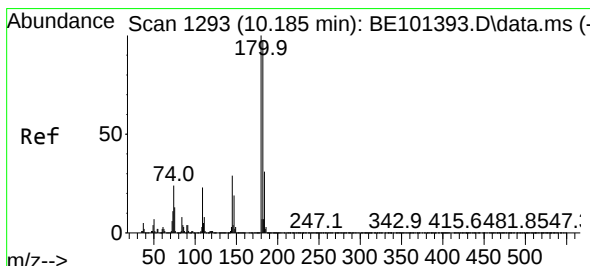
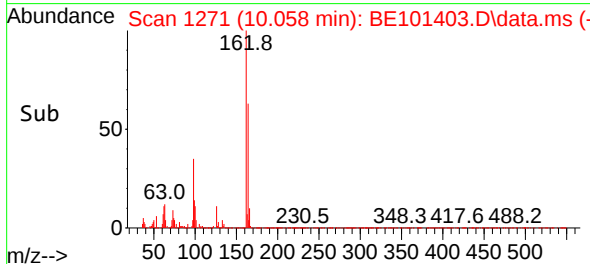
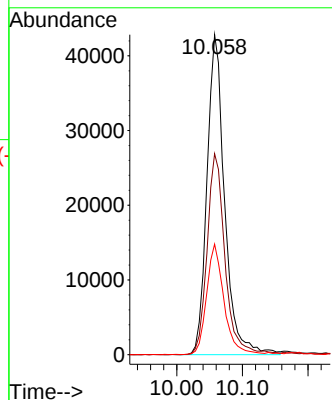
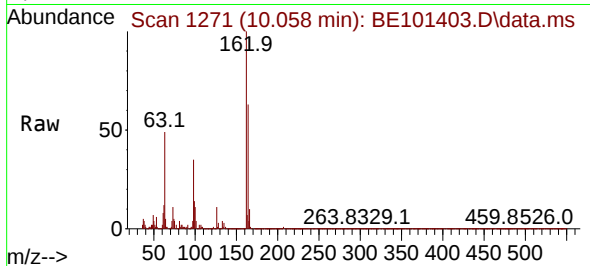
#29
2,4-Dichlorophenol
Concen: 11.490 ng
RT: 10.058 min Scan# 1271
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:162 Resp: 8018
Ion Ratio Lower Upper
162 100
164 62.8 45.4 85.4
98 34.6 14.5 54.5

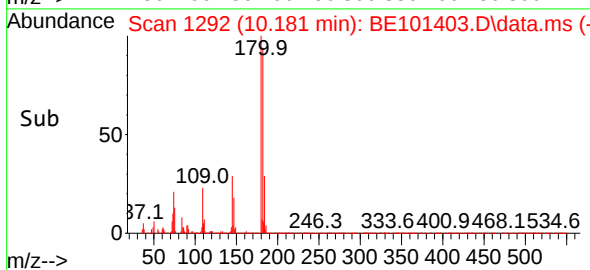
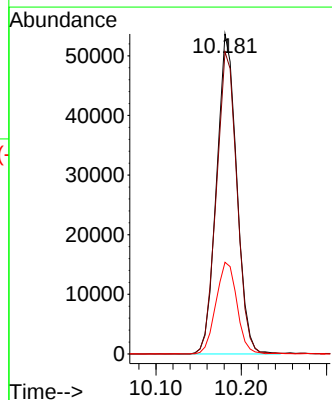
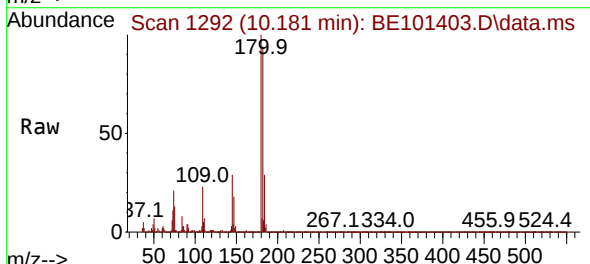
Manual Integrations
APPROVED

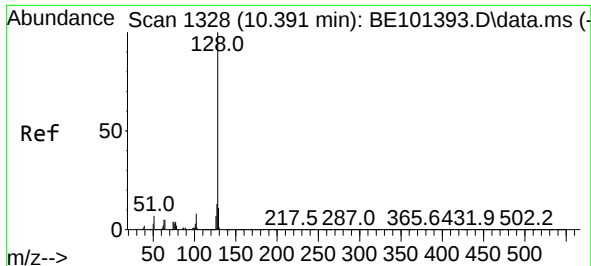
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#30
1,2,4-Trichlorobenzene
Concen: 11.556 ng
RT: 10.181 min Scan# 1292
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

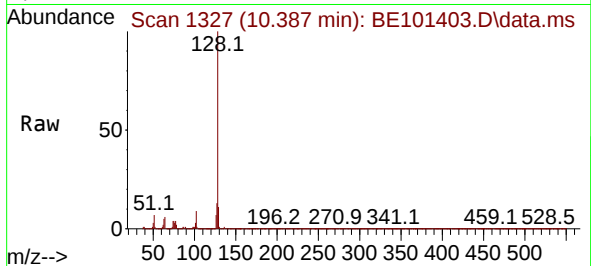
Tgt Ion:180 Resp: 87849
Ion Ratio Lower Upper
180 100
182 94.4 77.4 116.0
145 28.7 23.3 34.9





#31
Naphthalene
Concen: 11.918 ng
RT: 10.387 min Scan# 11
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

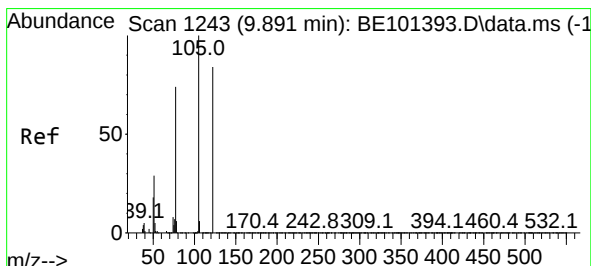
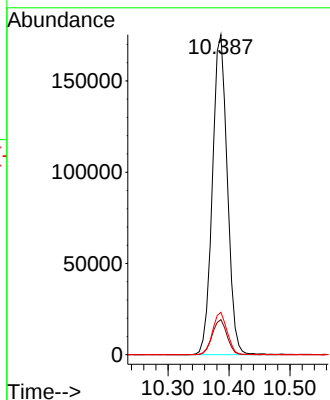
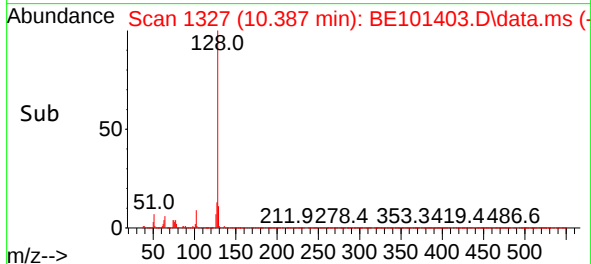
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:128 Resp: 297238
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.3 15.5

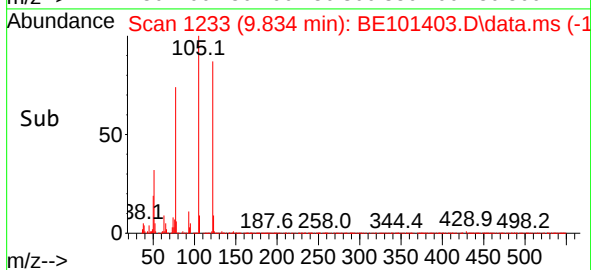
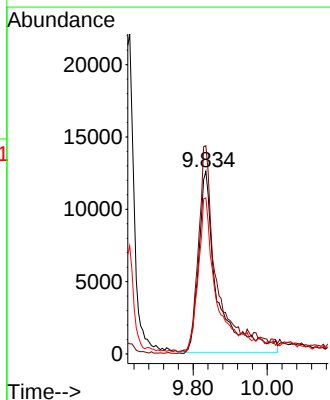
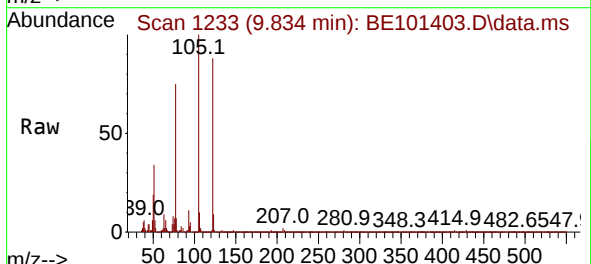
Manual Integrations
APPROVED

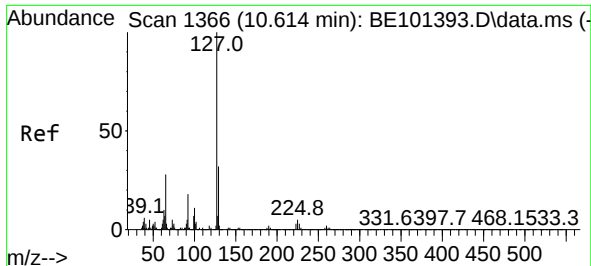
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#32
Benzoic acid
Concen: 15.248 ng m
RT: 9.834 min Scan# 1233
Delta R.T. -0.057 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

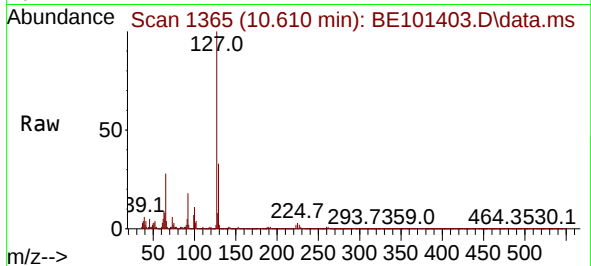
Tgt Ion:122 Resp: 44026
Ion Ratio Lower Upper
122 100
105 114.0 97.9 137.9
77 85.5 68.1 108.1





#33
4-Chloroaniline
Concen: 13.518 ng
RT: 10.610 min Scan# 11
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

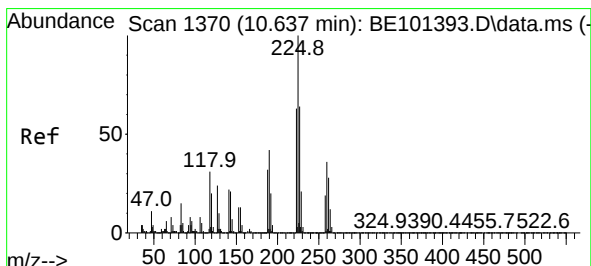
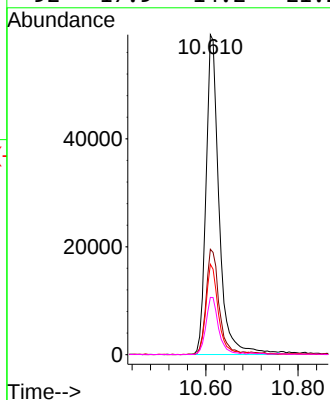
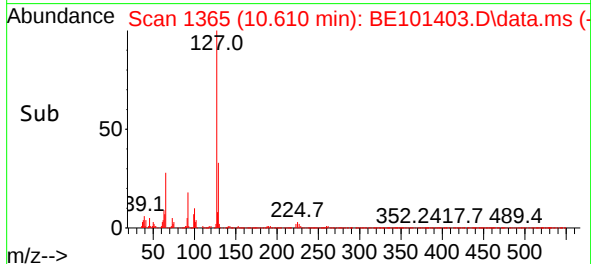
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:127 Resp: 117239
Ion Ratio Lower Upper
127 100
129 32.9 25.7 38.5
65 28.2 22.2 33.4
92 17.9 14.2 21.2

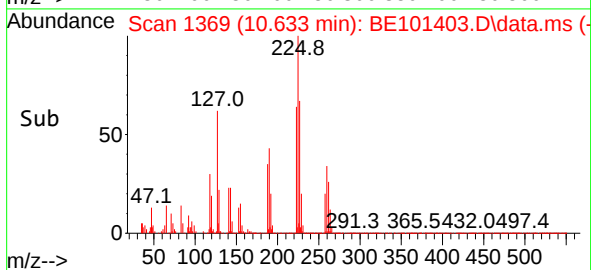
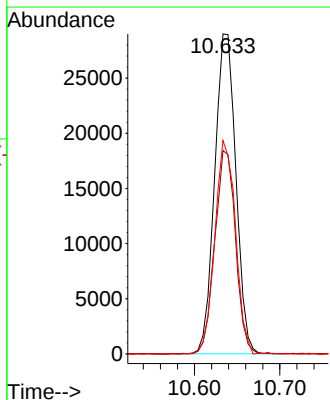
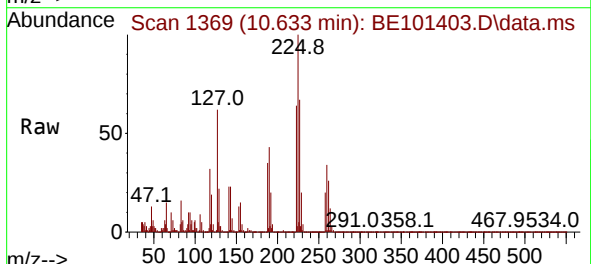
Manual Integrations
APPROVED

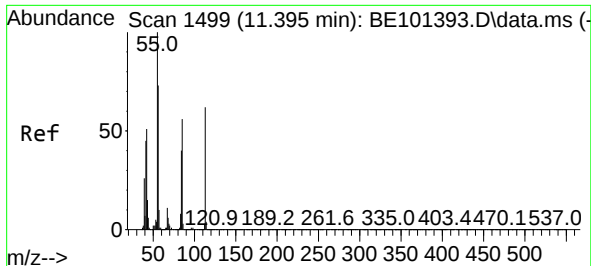
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#34
Hexachlorobutadiene
Concen: 11.159 ng
RT: 10.633 min Scan# 1369
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

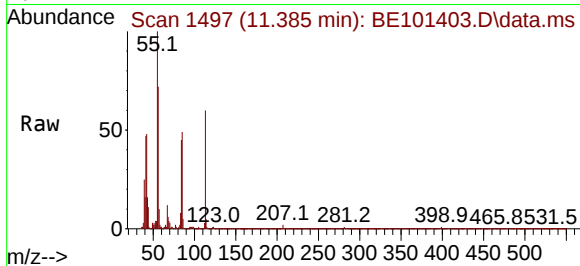
Tgt Ion:225 Resp: 50214
Ion Ratio Lower Upper
225 100
223 63.5 50.5 75.7
227 69.5 51.0 76.6





#35
Caprolactam
Concen: 11.018 ng
RT: 11.385 min Scan# 1499
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

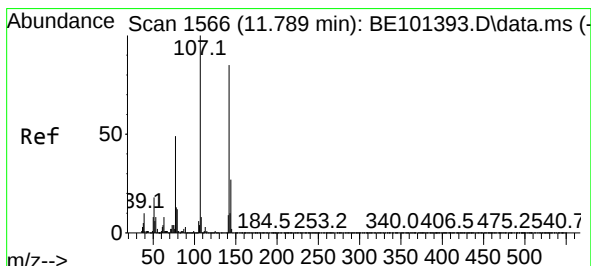
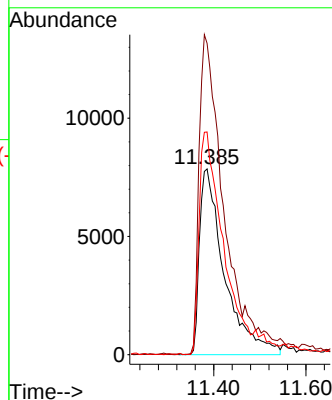
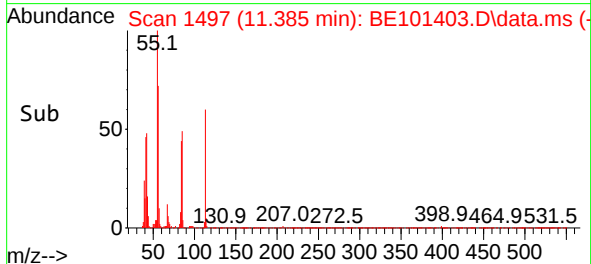
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



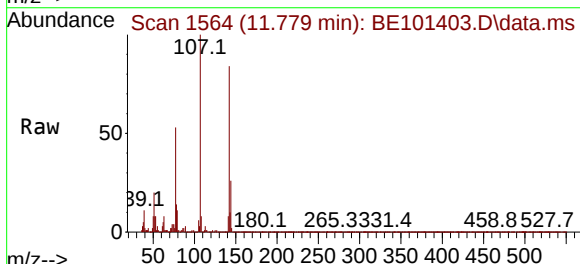
Tgt Ion:113 Resp: 29472
Ion Ratio Lower Upper
113 100
55 167.6 141.2 181.2
56 119.9 96.9 136.9

Manual Integrations
APPROVED

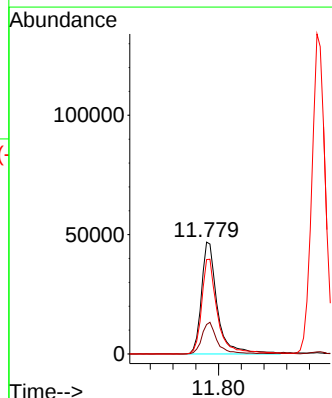
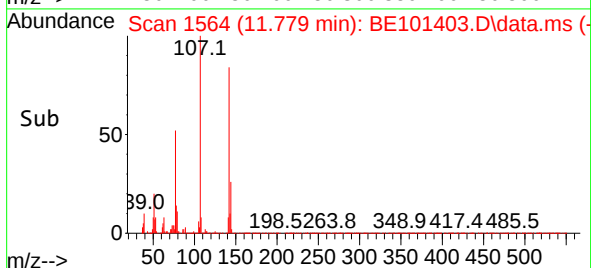
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

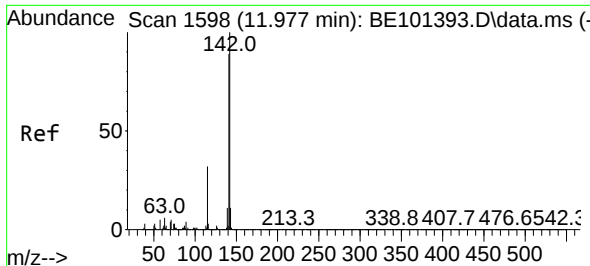


#36
4-Chloro-3-methylphenol
Concen: 11.427 ng
RT: 11.779 min Scan# 1564
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42



Tgt Ion:107 Resp: 90793
Ion Ratio Lower Upper
107 100
144 26.4 21.9 32.9
142 84.4 68.0 102.0





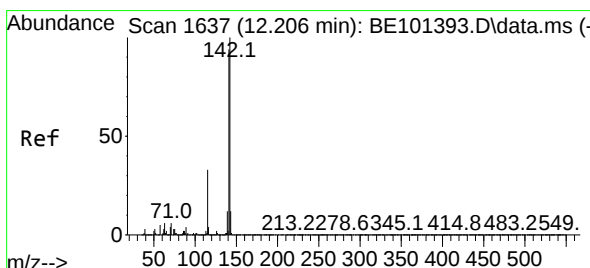
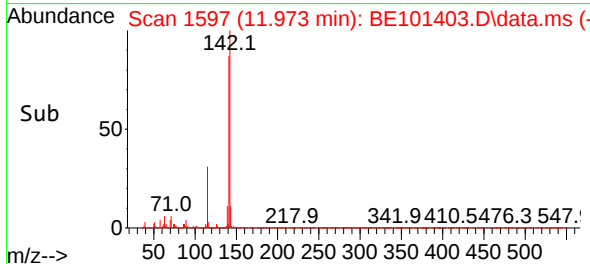
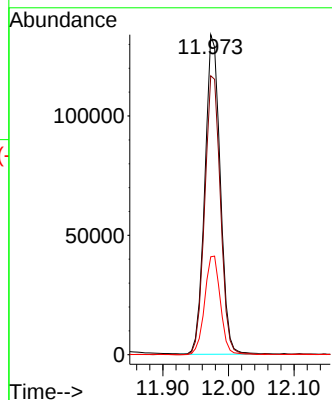
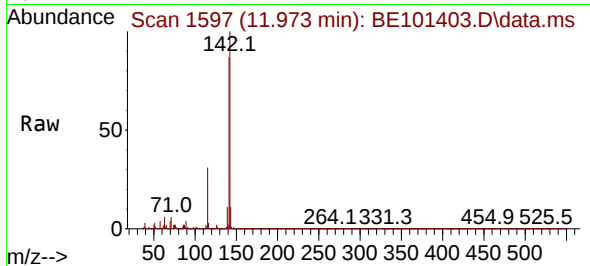
#37
2-Methylnaphthalene
Concen: 12.209 ng
RT: 11.973 min Scan# 1598
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:142 Resp: 21938
Ion Ratio Lower Upper
142 100
141 87.2 71.4 107.2
115 30.6 25.6 38.4

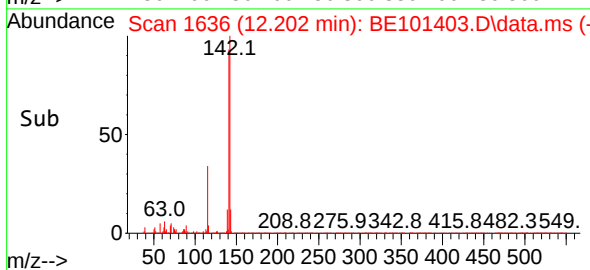
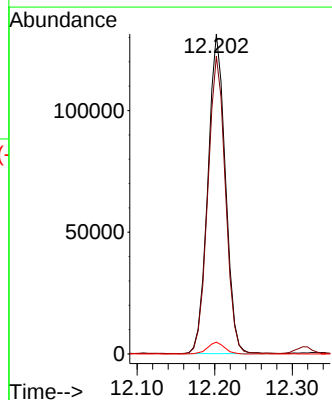
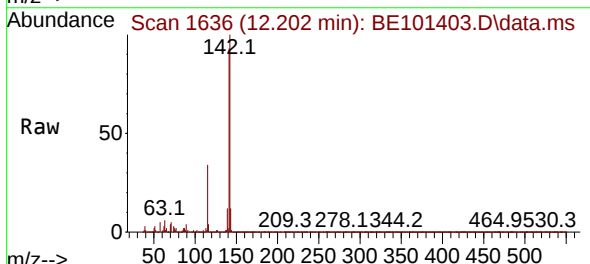
Manual Integrations
APPROVED

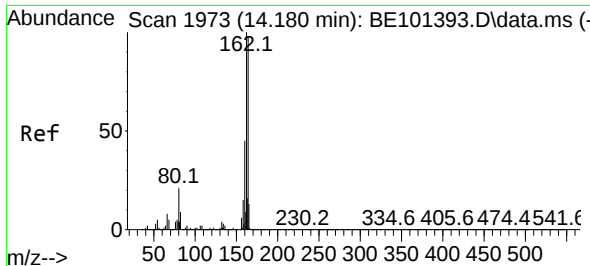
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#38
1-Methylnaphthalene
Concen: 11.529 ng
RT: 12.202 min Scan# 1636
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

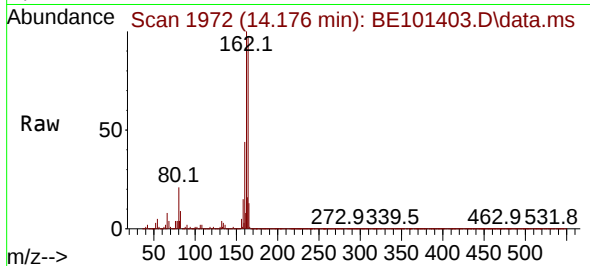
Tgt Ion:142 Resp: 206751
Ion Ratio Lower Upper
142 100
141 93.1 75.0 112.4
116 3.7 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.176 min Scan# 1973
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

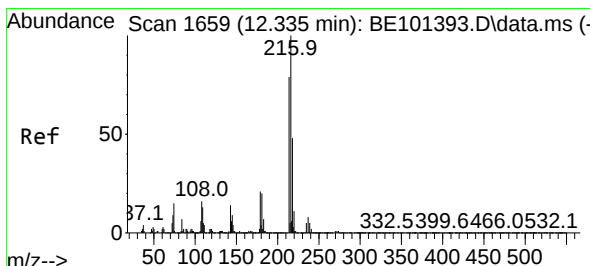
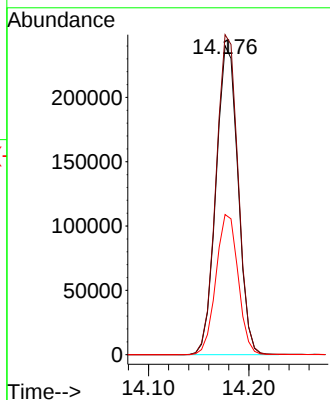
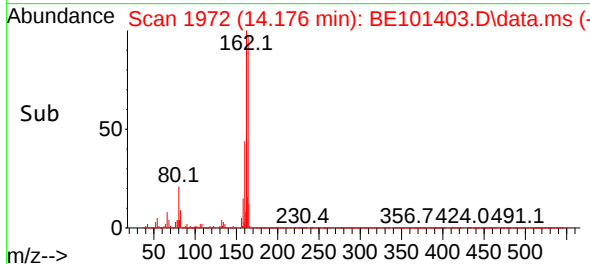
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 364612
Ion Ratio Lower Upper
164 100
162 103.6 81.3 121.9
160 45.4 36.4 54.6

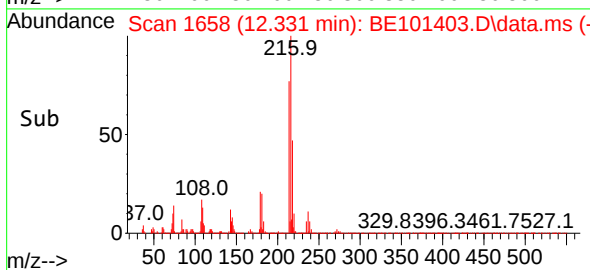
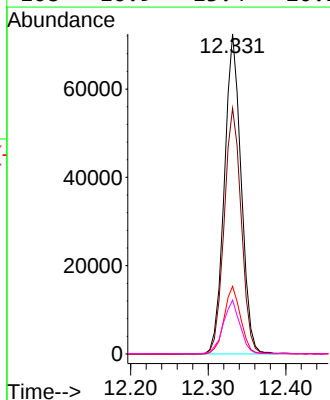
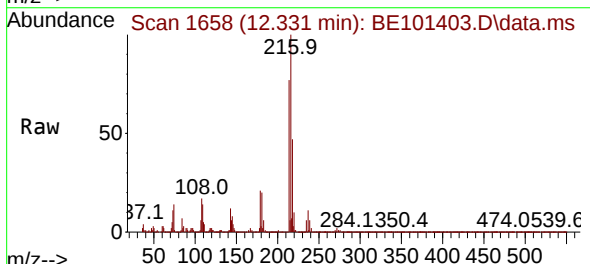
Manual Integrations
APPROVED

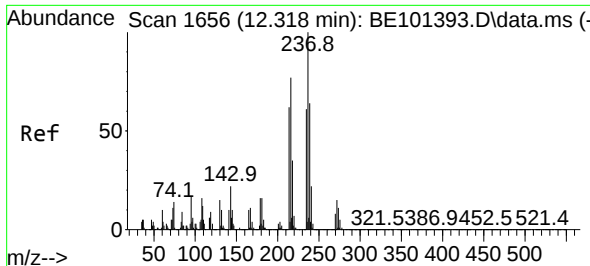
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.925 ng
RT: 12.331 min Scan# 1658
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

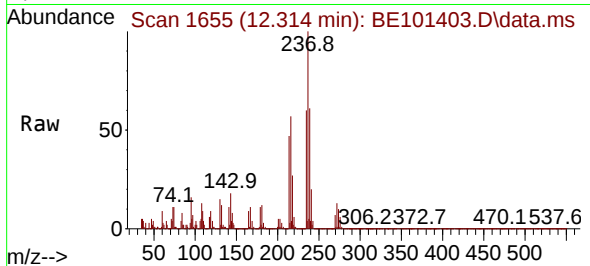
Tgt Ion:216 Resp: 109153
Ion Ratio Lower Upper
216 100
214 78.2 63.0 94.4
179 20.9 16.7 25.1
108 16.9 13.4 20.2





#41
Hexachlorocyclopentadiene
Concen: 13.101 ng
RT: 12.314 min Scan# 1656
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

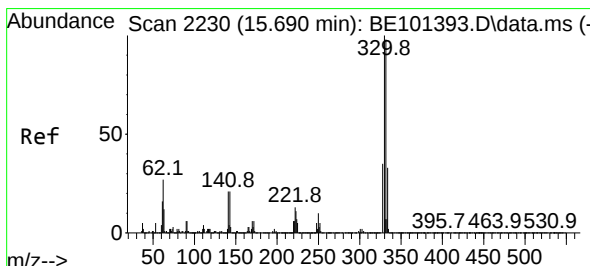
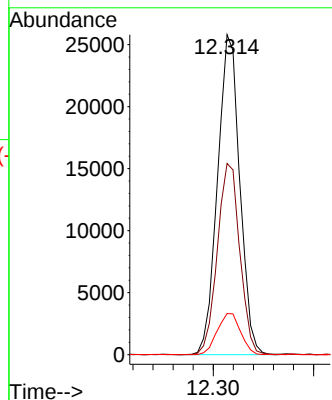
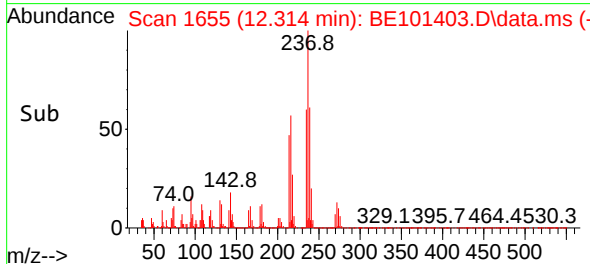
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion: 237 Resp: 3960
Ion Ratio Lower Upper
237 100
235 59.8 41.3 81.3
272 12.8 0.0 34.6

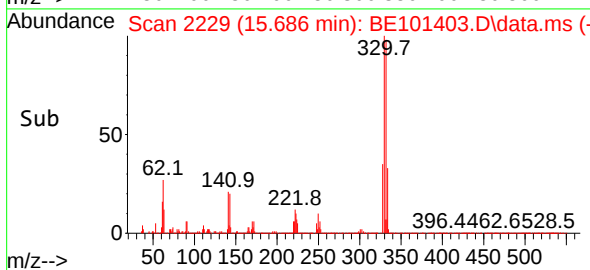
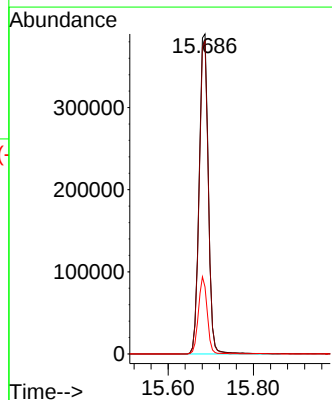
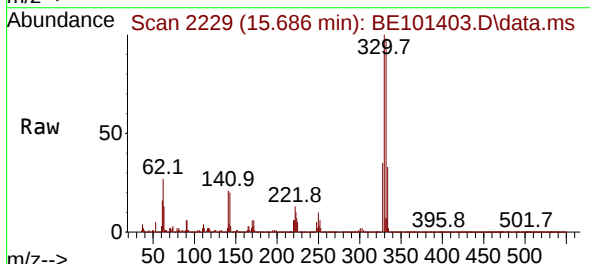
Manual Integrations
APPROVED

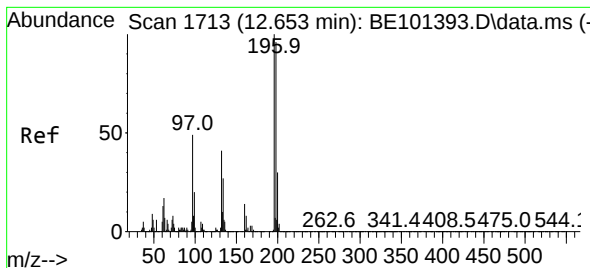
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#42
2,4,6-Tribromophenol
Concen: 90.668 ng
RT: 15.686 min Scan# 2229
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion: 330 Resp: 579413
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.2
141 23.1 18.3 27.5





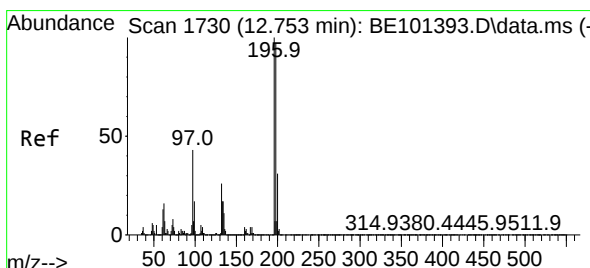
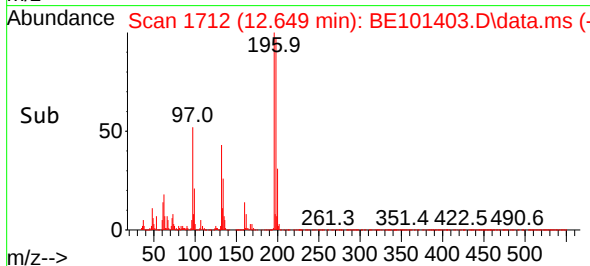
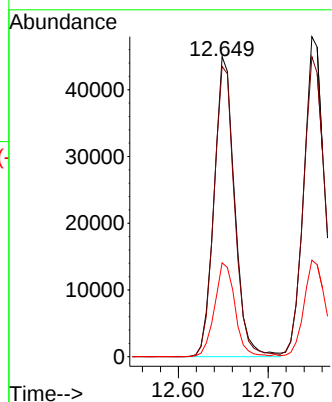
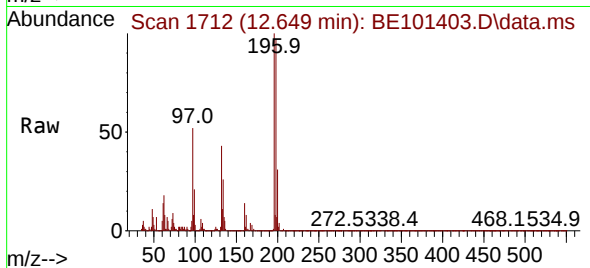
#43
2,4,6-Trichlorophenol
Concen: 11.320 ng
RT: 12.649 min Scan# 1713
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:196 Resp: 7143
Ion Ratio Lower Upper
196 100
198 96.8 76.6 115.0
200 31.3 24.1 36.1

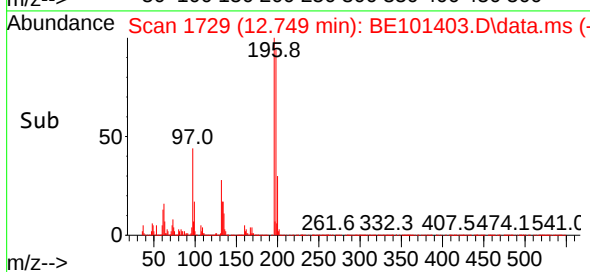
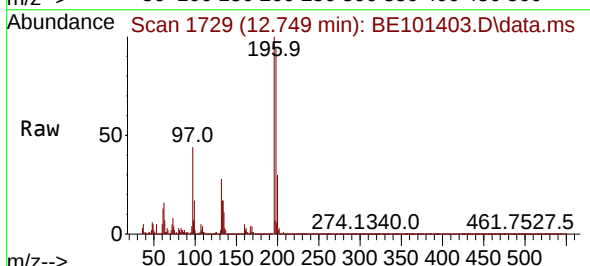
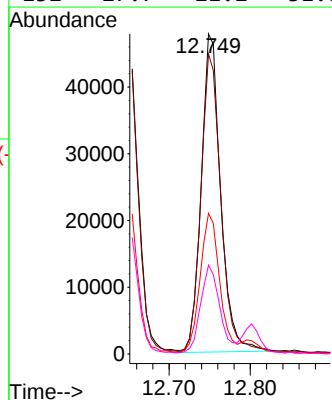
Manual Integrations
APPROVED

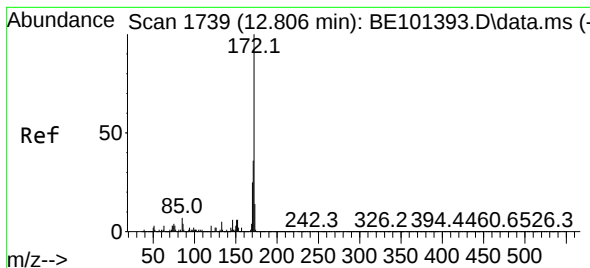
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#44
2,4,5-Trichlorophenol
Concen: 10.932 ng
RT: 12.749 min Scan# 1729
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:196 Resp: 78994
Ion Ratio Lower Upper
196 100
198 93.7 77.4 116.0
97 43.9 34.8 52.2
132 27.7 21.2 31.8





#45

2-Fluorobiphenyl

Concen: 63.735 ng

RT: 12.801 min Scan# 1738

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

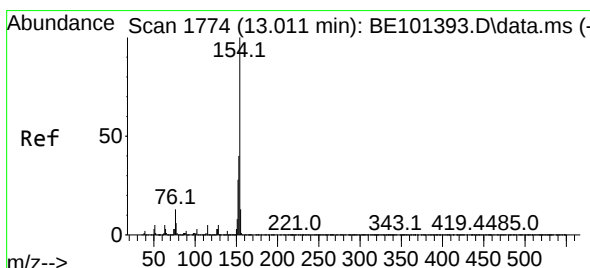
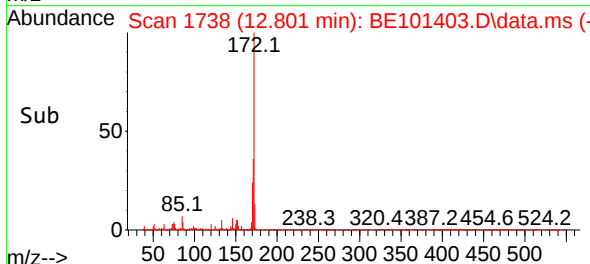
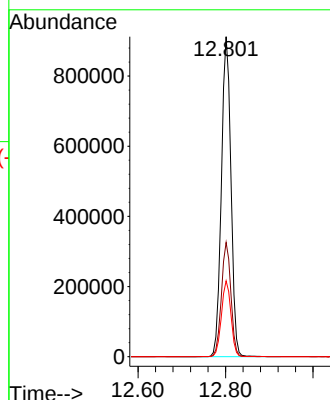
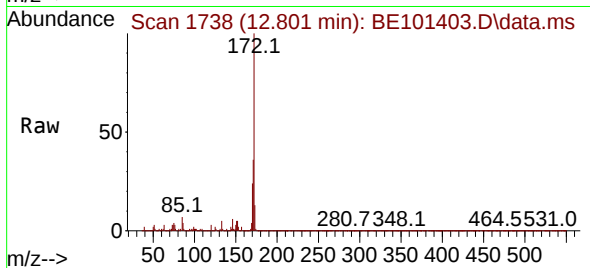
Tgt Ion:172 Resp: 137219

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.7	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: 12.413 ng

RT: 13.007 min Scan# 1773

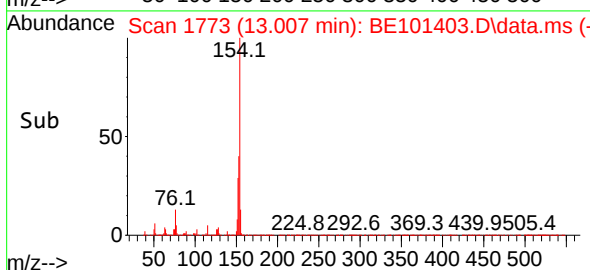
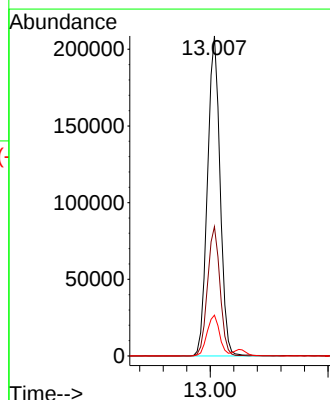
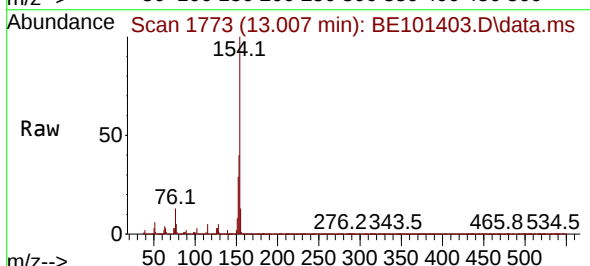
Delta R.T. -0.004 min

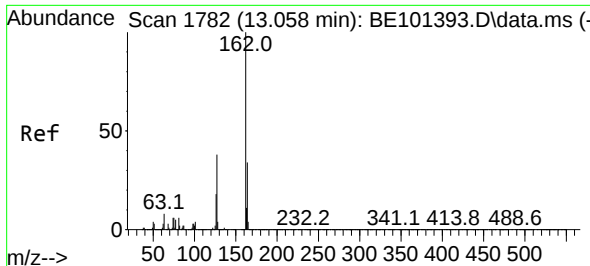
Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:154 Resp: 310088

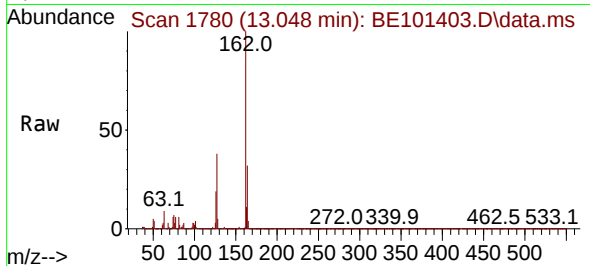
Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	12.7	0.0	32.6





#47
2-Chloronaphthalene
Concen: 11.696 ng
RT: 13.048 min Scan# 1782
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

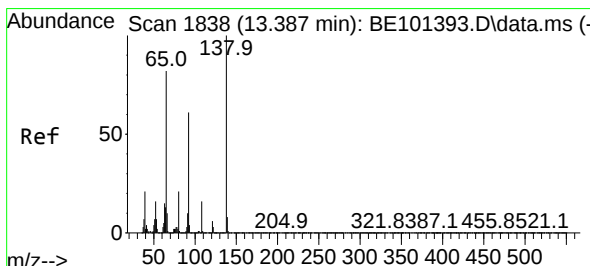
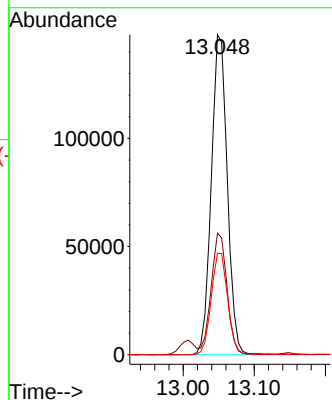
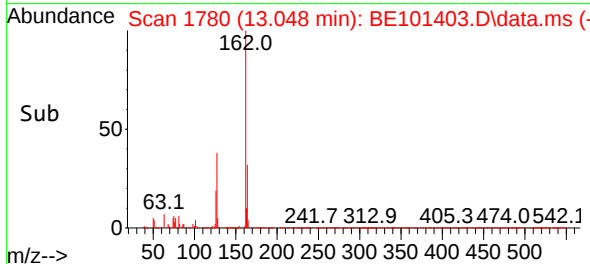
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:162 Resp: 230825
Ion Ratio Lower Upper
162 100
127 37.9 30.4 45.6
164 31.7 27.0 40.6

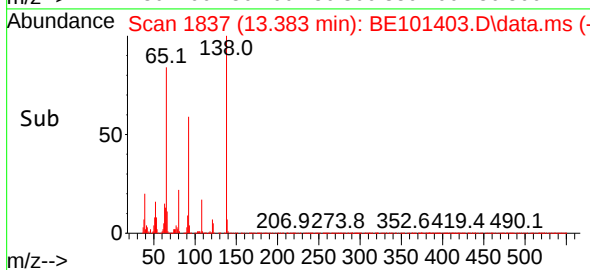
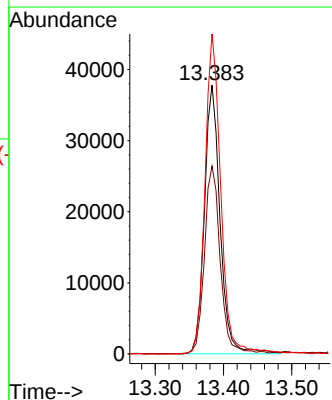
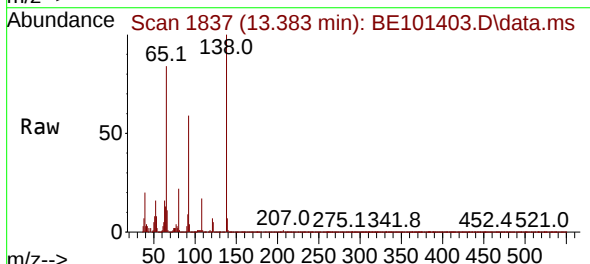
Manual Integrations
APPROVED

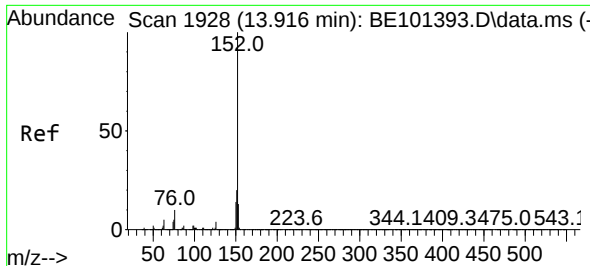
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#48
2-Nitroaniline
Concen: 11.408 ng
RT: 13.383 min Scan# 1837
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

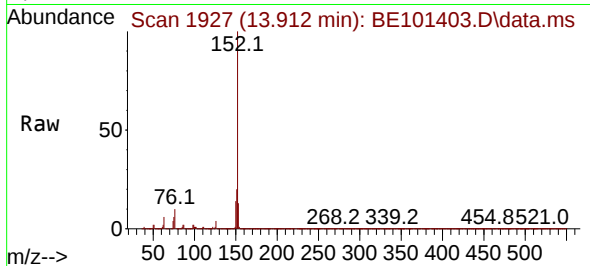
Tgt Ion: 65 Resp: 60590
Ion Ratio Lower Upper
65 100
92 70.0 59.0 88.4
138 119.1 97.4 146.0





#49
Acenaphthylene
Concen: 13.030 ng
RT: 13.912 min Scan# 1927
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

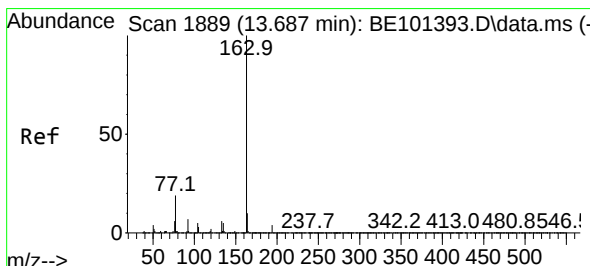
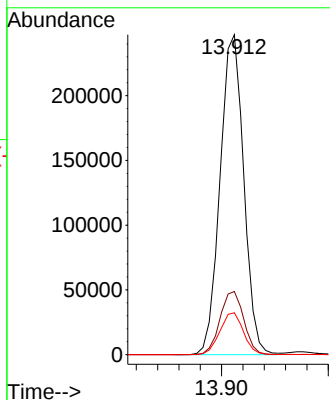
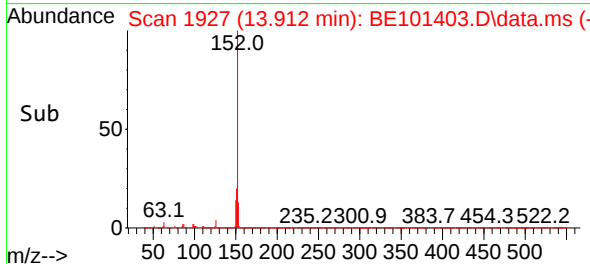
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



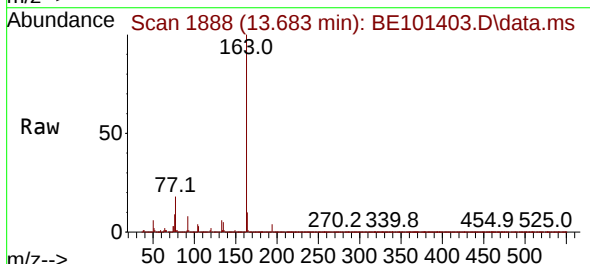
Tgt Ion:152 Resp: 380294
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 13.1 10.5 15.7

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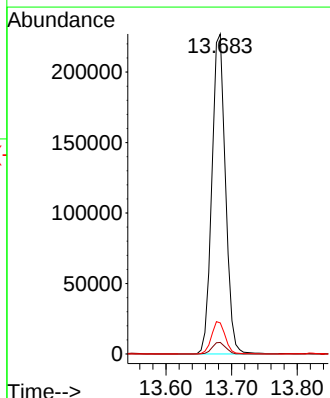
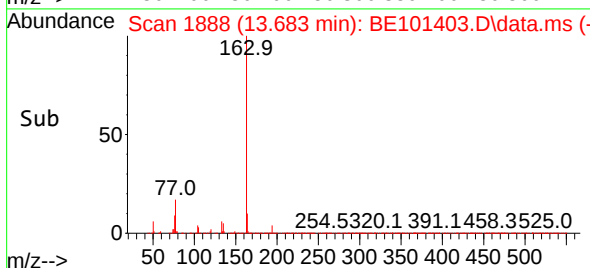
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024

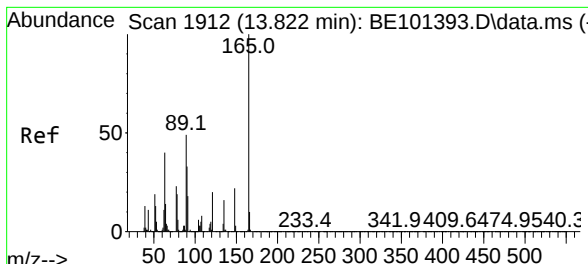


#50
Dimethylphthalate
Concen: 12.667 ng
RT: 13.683 min Scan# 1888
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42



Tgt Ion:163 Resp: 326003
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.7 8.4 12.6





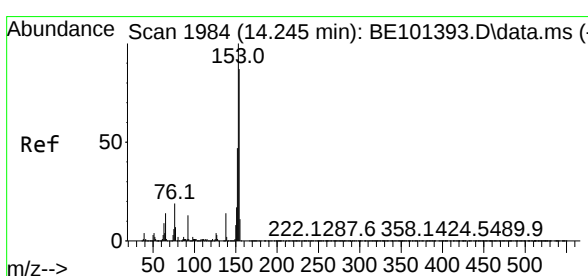
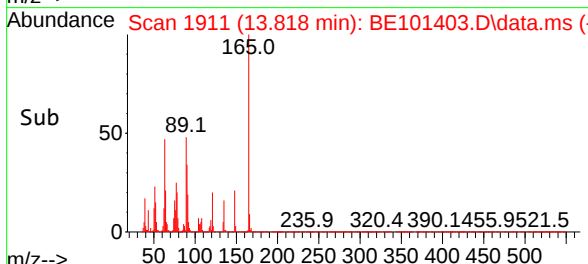
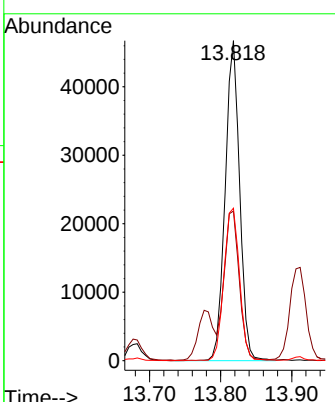
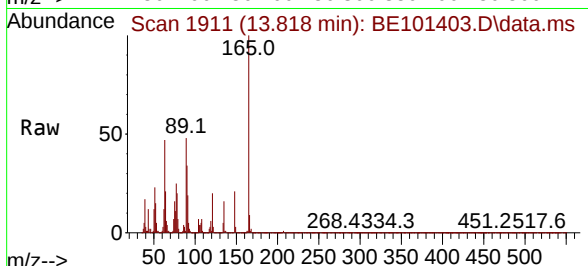
#51
2,6-Dinitrotoluene
Concen: 11.129 ng
RT: 13.818 min Scan# 1911
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:	165	Resp:	66129
Ion Ratio	Lower	Upper	
165	100		
63	46.8	38.0	57.0
89	47.7	39.5	59.3

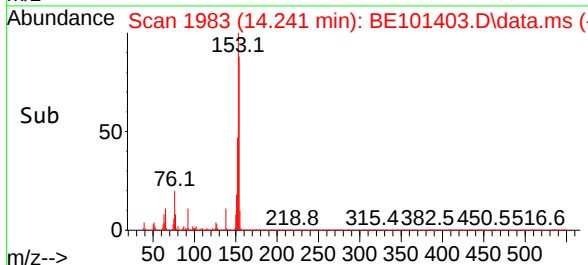
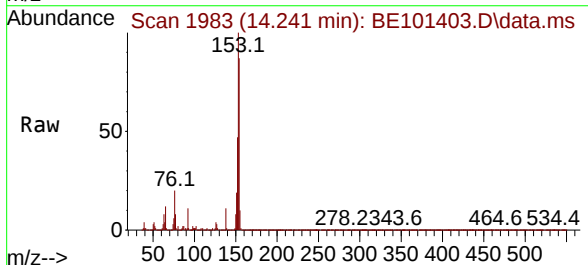
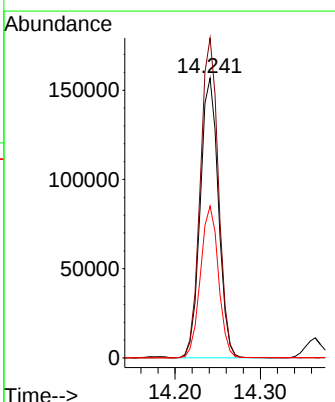
Manual Integrations
APPROVED

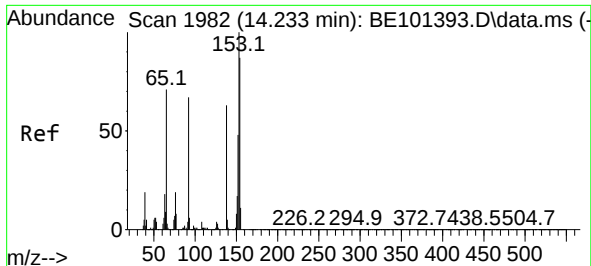
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#52
Acenaphthene
Concen: 12.121 ng
RT: 14.241 min Scan# 1983
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:	154	Resp:	231002
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.8	137.6
152	54.3	43.1	64.7





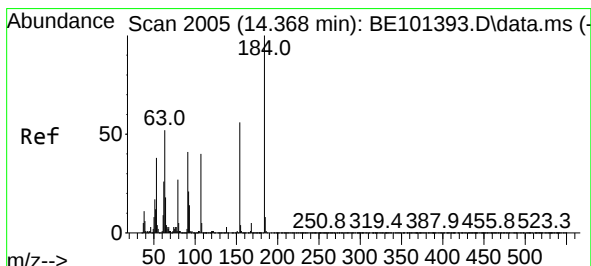
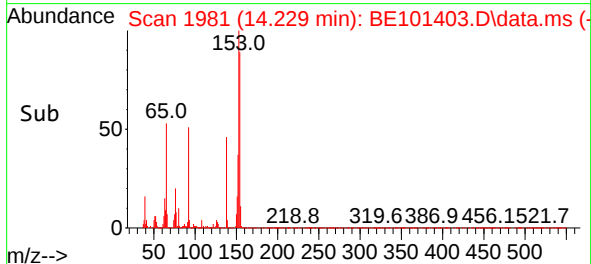
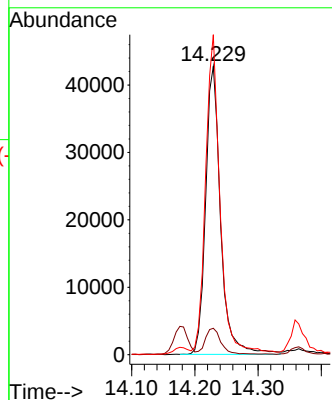
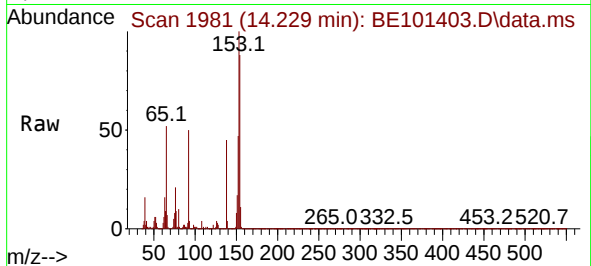
#53
3-Nitroaniline
Concen: 11.952 ng
RT: 14.229 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:138 Resp: 7061
Ion Ratio Lower Upper
138 100
108 9.2 7.1 10.7
92 111.0 84.4 126.6

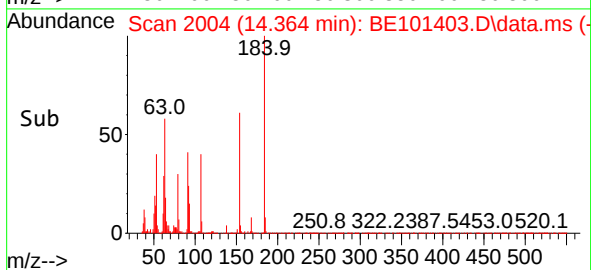
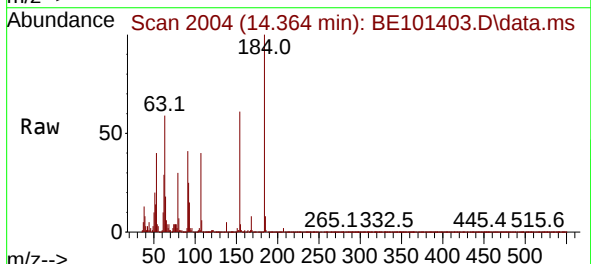
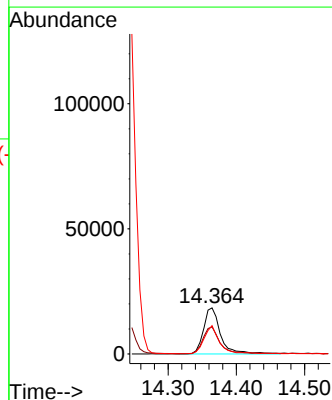
Manual Integrations
APPROVED

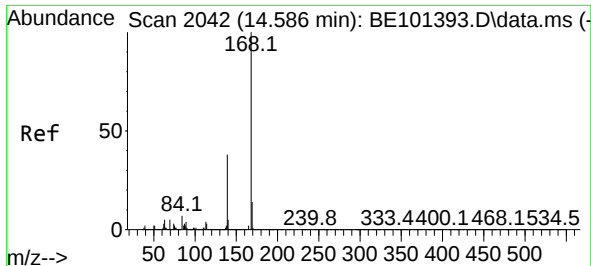
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#54
2,4-Dinitrophenol
Concen: 12.645 ng
RT: 14.364 min Scan# 2004
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

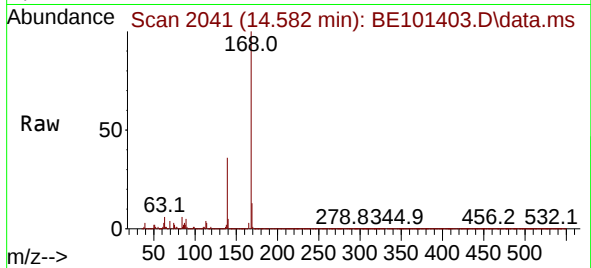
Tgt Ion:184 Resp: 31913
Ion Ratio Lower Upper
184 100
63 58.7 41.8 62.6
154 61.4 44.9 67.3





#55
Dibenzenofuran
Concen: 12.606 ng
RT: 14.582 min Scan# 2042
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

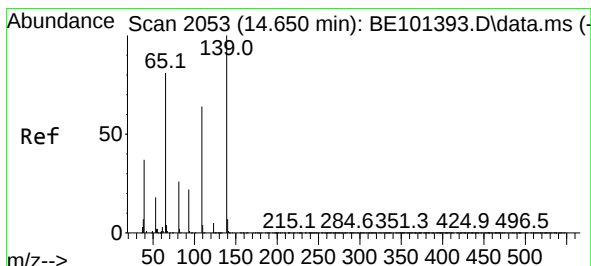
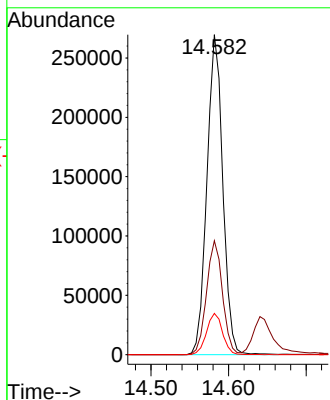
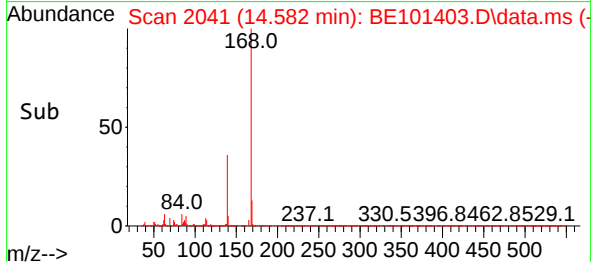
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:168 Resp: 382898
Ion Ratio Lower Upper
168 100
139 35.6 30.2 45.4
169 12.9 11.0 16.4

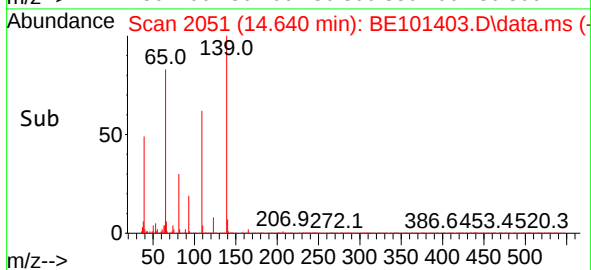
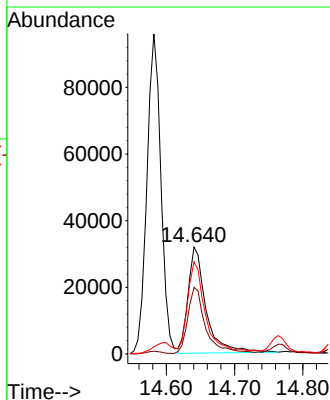
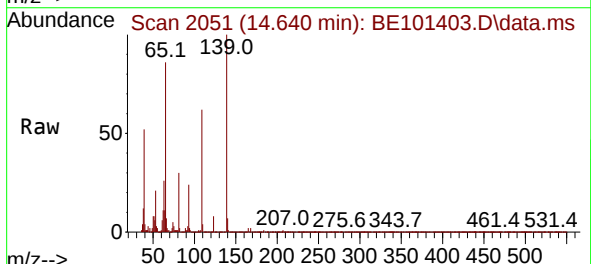
Manual Integrations
APPROVED

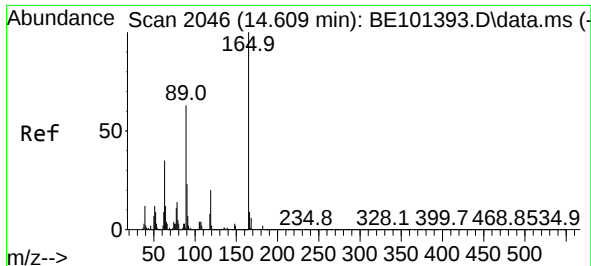
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#56
4-Nitrophenol
Concen: 10.754 ng
RT: 14.640 min Scan# 2051
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

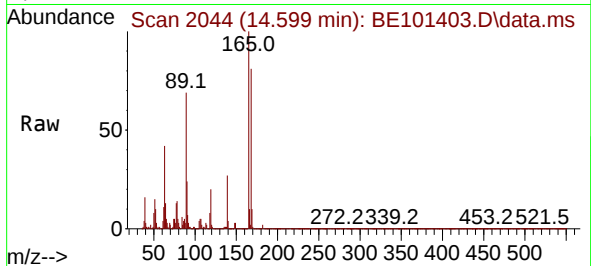
Tgt Ion:139 Resp: 58188
Ion Ratio Lower Upper
139 100
109 62.3 42.4 82.4
65 86.3 63.4 103.4





#57
2,4-Dinitrotoluene
Concen: 11.105 ng
RT: 14.599 min Scan# 2044
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

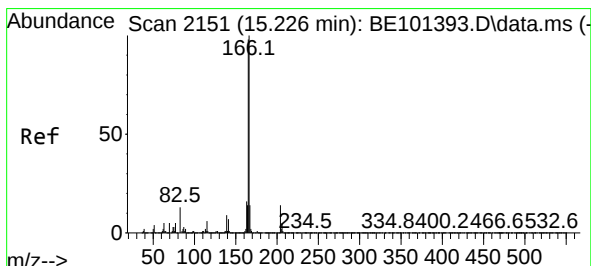
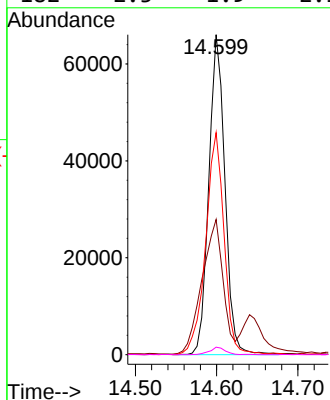
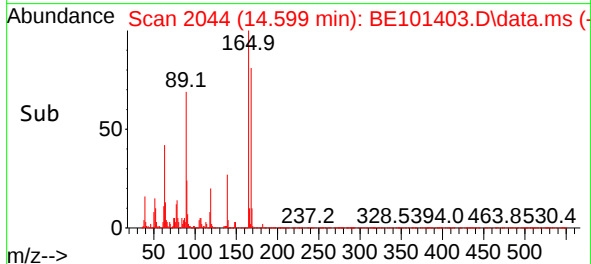
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 90840
Ion Ratio Lower Upper
165 100
63 42.2 28.6 42.8
89 69.4 50.8 76.2
182 2.3 1.9 2.9

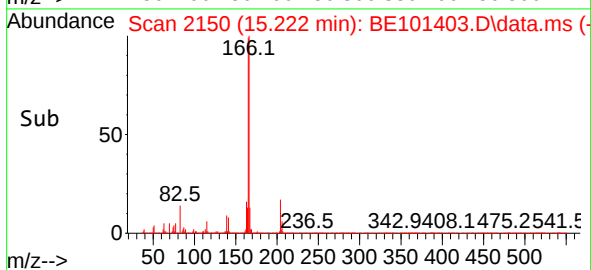
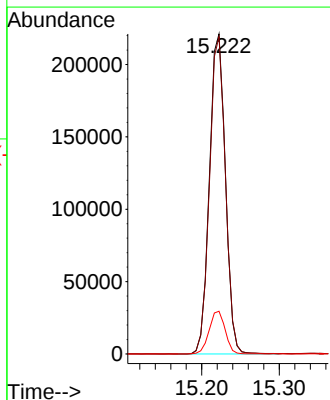
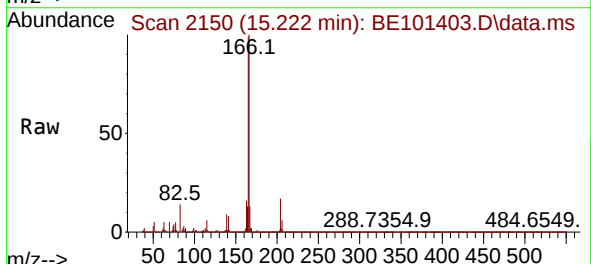
Manual Integrations
APPROVED

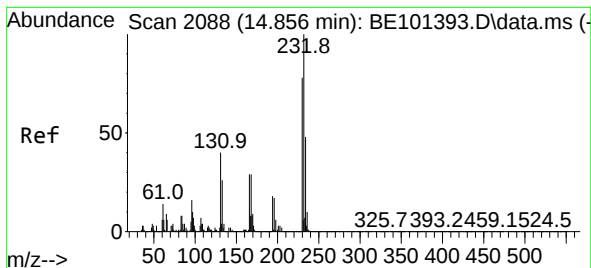
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#58
Fluorene
Concen: 12.445 ng
RT: 15.222 min Scan# 2150
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

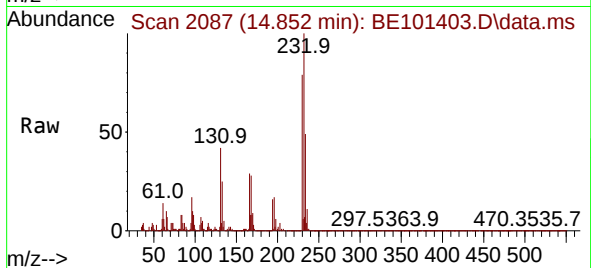
Tgt Ion:166 Resp: 316242
Ion Ratio Lower Upper
166 100
165 99.2 78.7 118.1
167 13.3 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 12.269 ng
RT: 14.852 min Scan# 2088
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

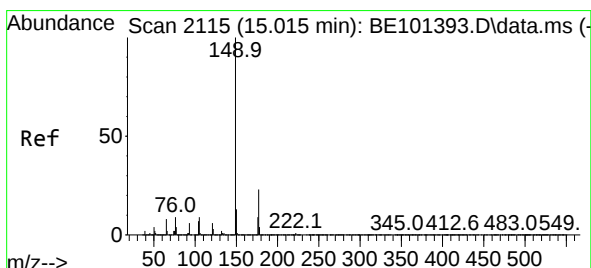
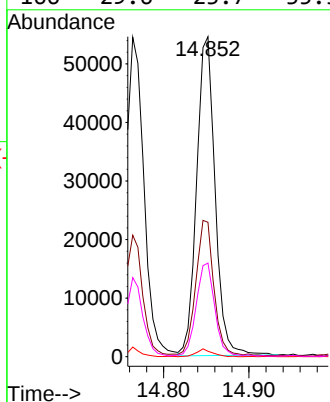
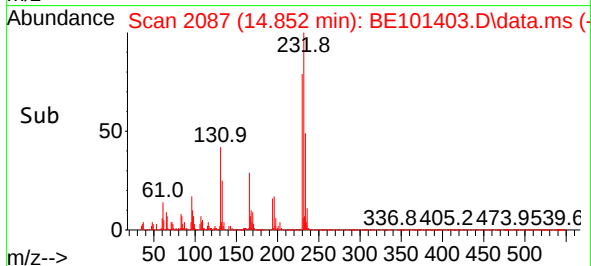
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:232 Resp: 81909
Ion Ratio Lower Upper
232 100
131 43.0 33.5 50.3
130 2.1 1.6 2.4
166 29.6 23.7 35.5

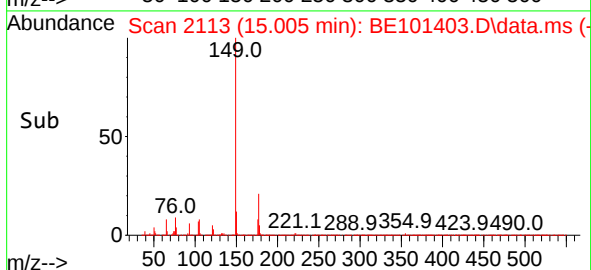
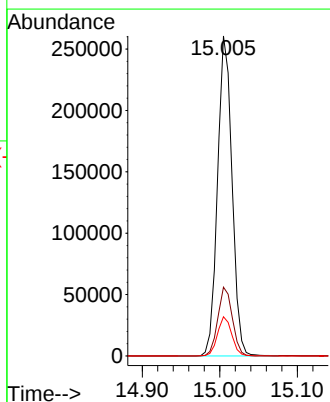
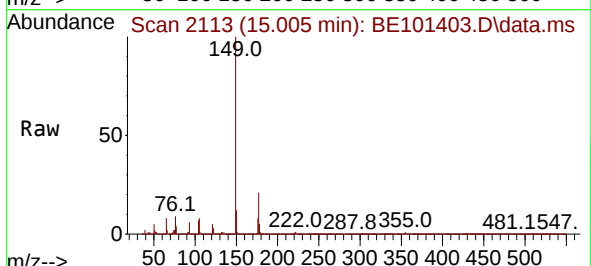
Manual Integrations
APPROVED

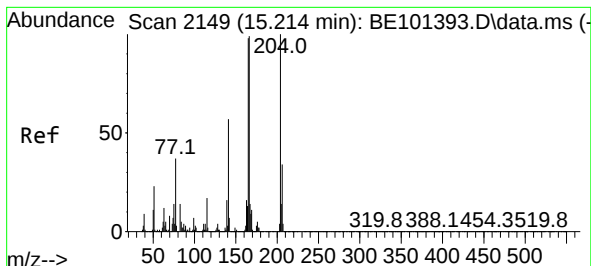
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#60
Diethylphthalate
Concen: 12.567 ng
RT: 15.005 min Scan# 2113
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

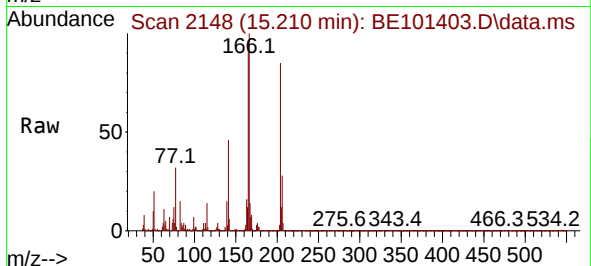
Tgt Ion:149 Resp: 338297
Ion Ratio Lower Upper
149 100
177 21.5 18.0 27.0
150 12.3 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 12.152 ng
RT: 15.210 min Scan# 2149
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

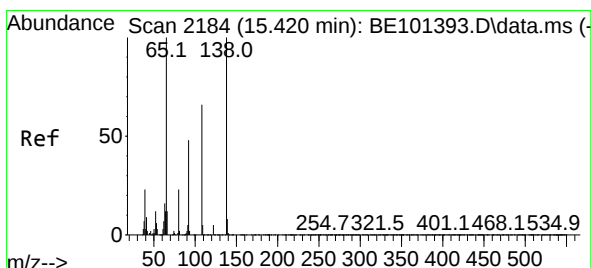
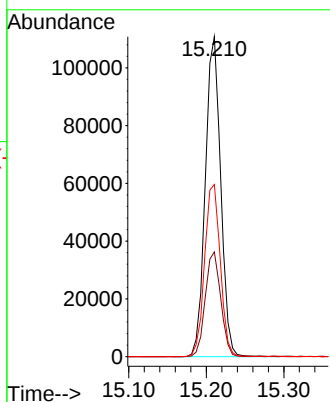
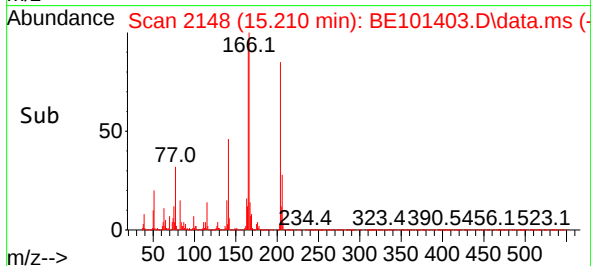
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:204 Resp: 15323
Ion Ratio Lower Upper
204 100
206 32.7 26.9 40.3
141 53.8 45.9 68.9

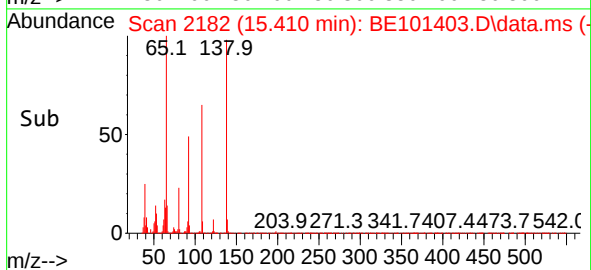
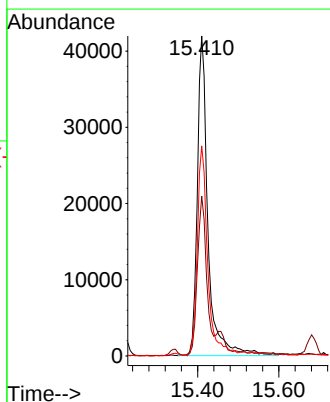
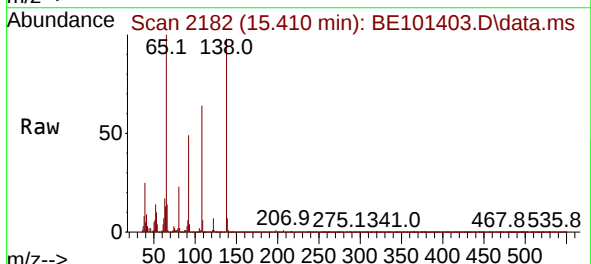
Manual Integrations
APPROVED

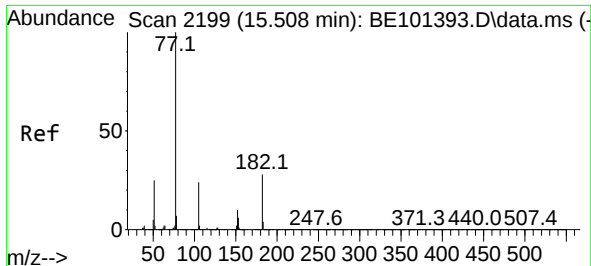
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#62
4-Nitroaniline
Concen: 11.742 ng
RT: 15.410 min Scan# 2182
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

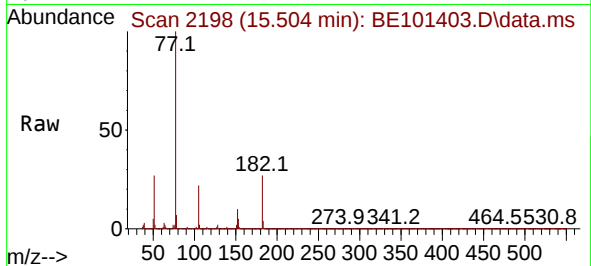
Tgt Ion:138 Resp: 77201
Ion Ratio Lower Upper
138 100
92 49.9 28.7 68.7
108 65.7 46.5 86.5





#63
Azobenzene
Concen: 12.578 ng
RT: 15.504 min Scan# 2199
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

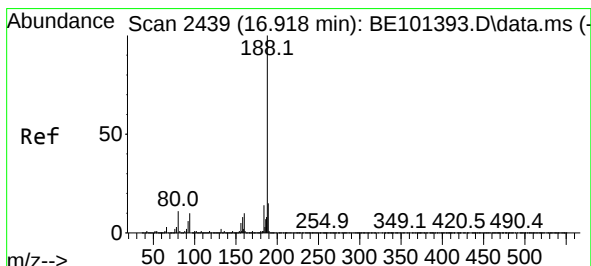
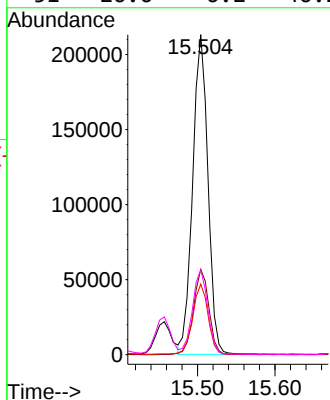
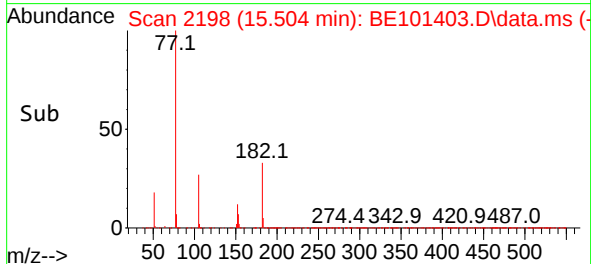
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 29106
Ion Ratio Lower Upper
77 100
182 26.6 7.6 47.6
105 22.1 3.2 43.2
51 26.6 6.2 46.2

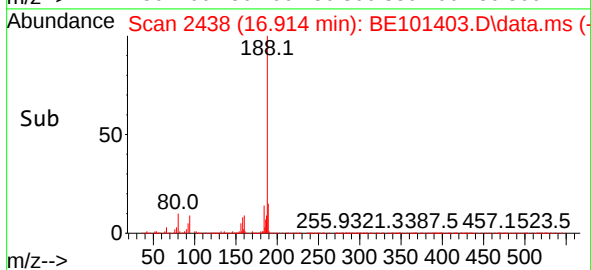
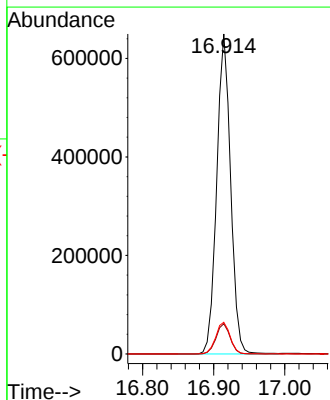
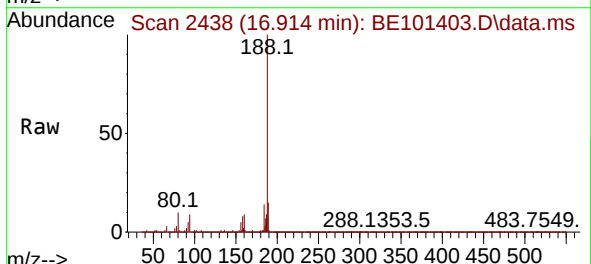
Manual Integrations
APPROVED

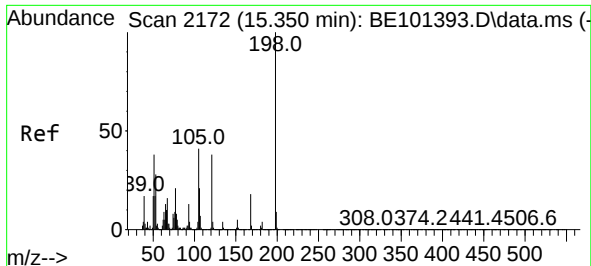
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.914 min Scan# 2438
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:188 Resp: 880180
Ion Ratio Lower Upper
188 100
94 9.4 7.8 11.8
80 9.9 8.6 12.8





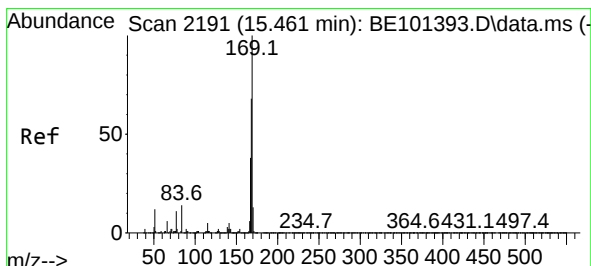
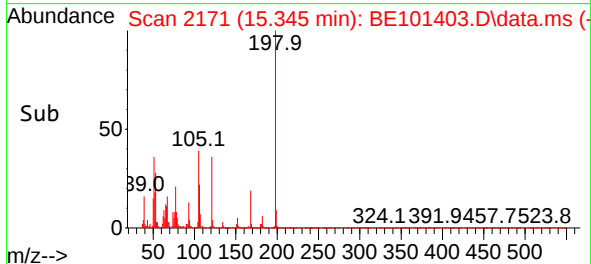
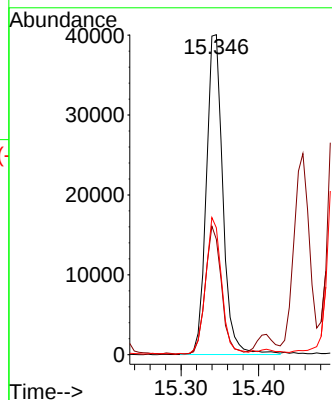
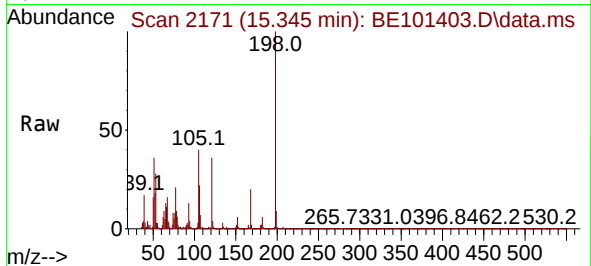
#65
4,6-Dinitro-2-methylphenol
Concen: 11.460 ng
RT: 15.345 min Scan# 2172
Delta R.T. -0.005 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:198 Resp: 5927
Ion Ratio Lower Upper
198 100
51 36.1 18.2 58.2
105 39.7 21.5 61.5

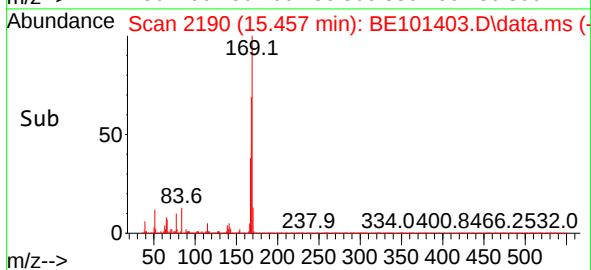
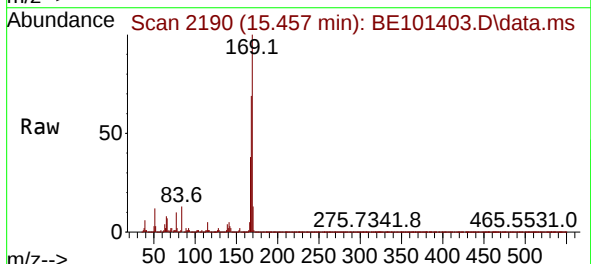
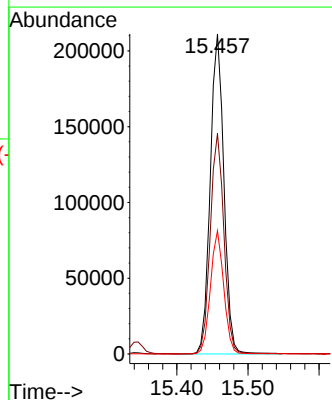
Manual Integrations
APPROVED

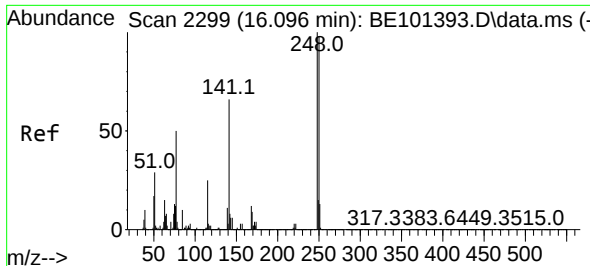
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#66
n-Nitrosodiphenylamine
Concen: 12.077 ng
RT: 15.457 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

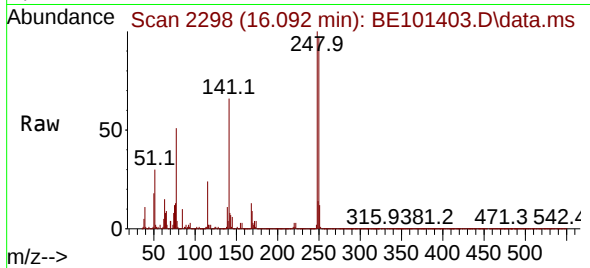
Tgt Ion:169 Resp: 281890
Ion Ratio Lower Upper
169 100
168 68.9 54.5 81.7
167 38.5 30.4 45.6





#67
4-Bromophenyl-phenylether
Concen: 11.397 ng
RT: 16.092 min Scan# 2299
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

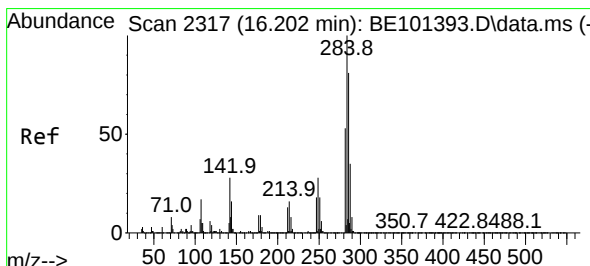
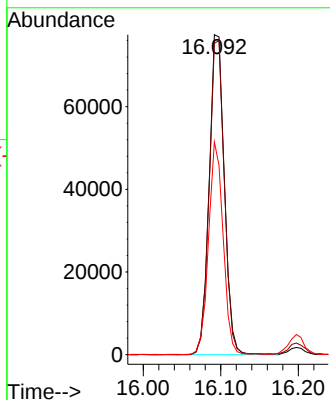
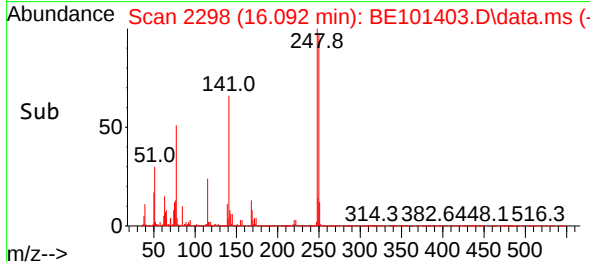
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:248 Resp: 105518
Ion Ratio Lower Upper
248 100
250 97.3 78.2 117.2
141 66.5 53.0 79.4

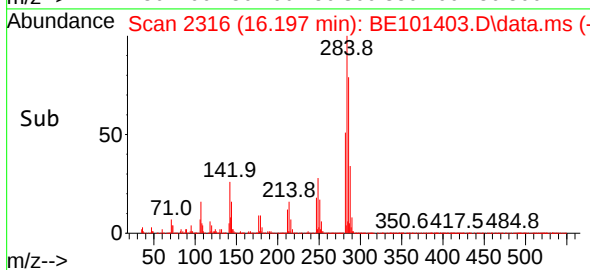
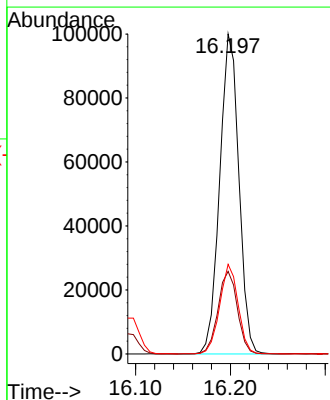
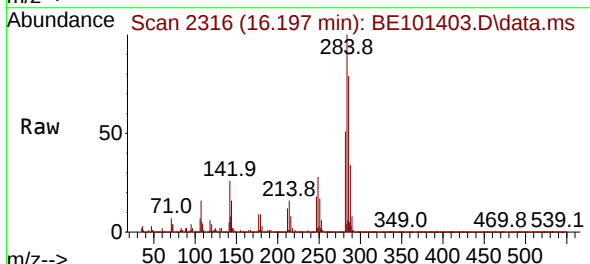
Manual Integrations
APPROVED

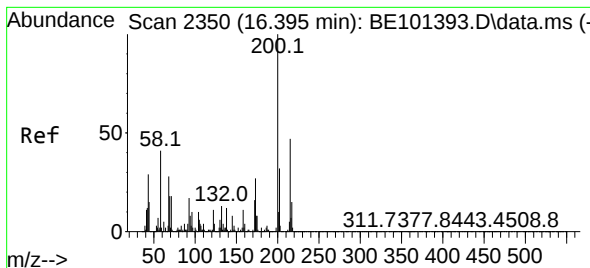
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#68
Hexachlorobenzene
Concen: 11.579 ng
RT: 16.197 min Scan# 2316
Delta R.T. -0.005 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:284 Resp: 140525
Ion Ratio Lower Upper
284 100
142 25.8 22.2 33.2
249 28.0 22.8 34.2





#69

Atrazine

Concen: 14.692 ng

RT: 16.391 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101403.D

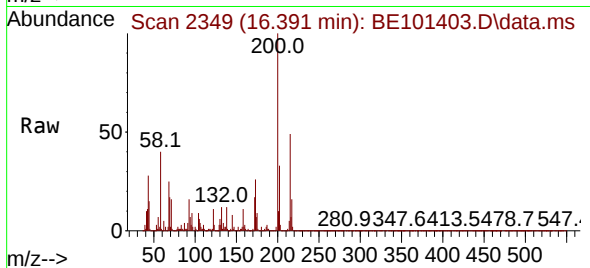
Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

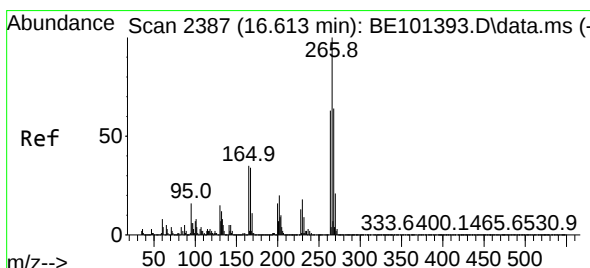
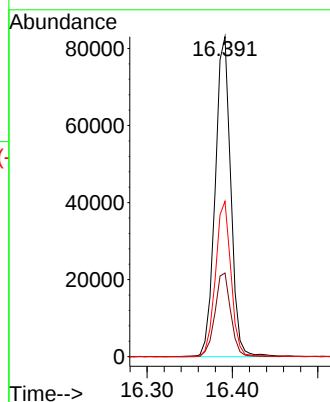
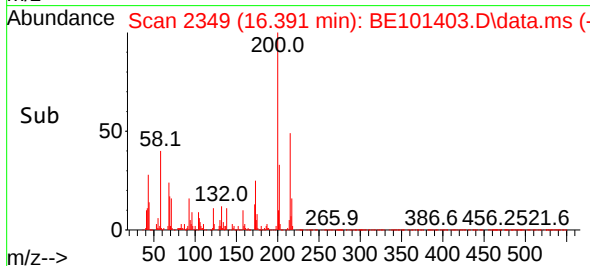


Tgt Ion:	200	Resp:	10513
Ion Ratio	Lower	Upper	
200	100		
173	26.2	7.0	47.0
215	48.6	27.3	67.3

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 15.389 ng

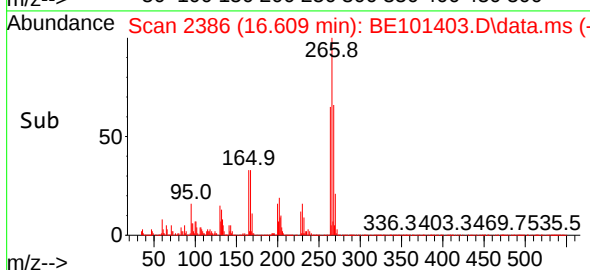
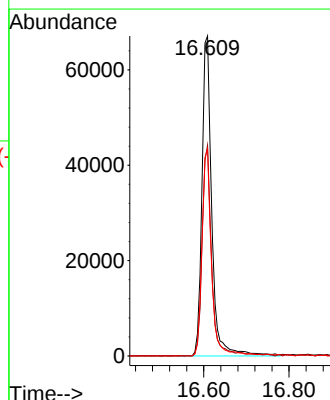
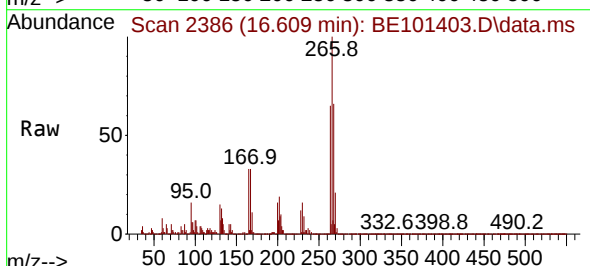
RT: 16.609 min Scan# 2386

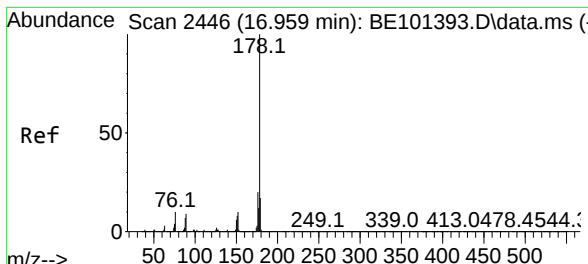
Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:	266	Resp:	107500
Ion Ratio	Lower	Upper	
266	100		
268	65.8	51.5	77.3
264	64.9	50.7	76.1





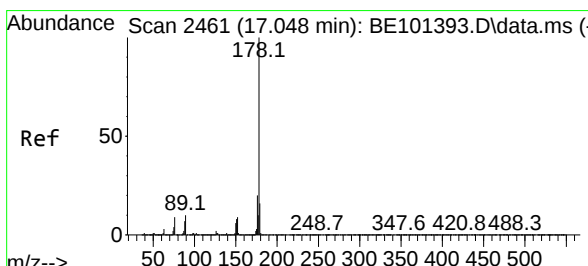
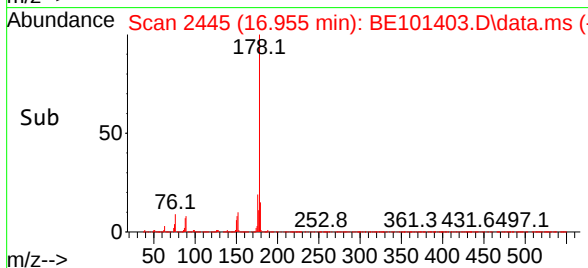
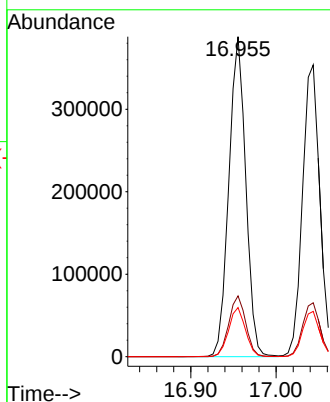
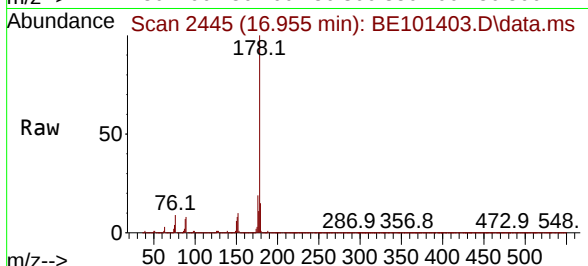
#71
Phenanthrene
Concen: 12.729 ng
RT: 16.955 min Scan# 2445
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

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

Tgt Ion:	178	Resp:	53641
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.4	24.6
179	15.4	13.2	19.8

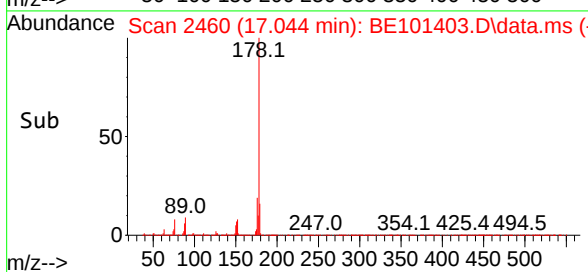
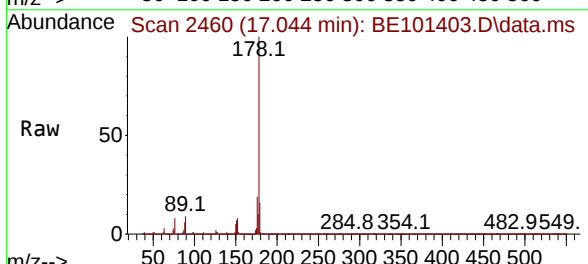
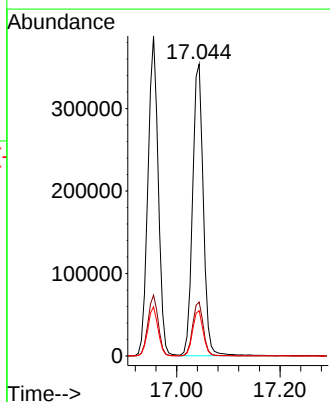
Manual Integrations
APPROVED

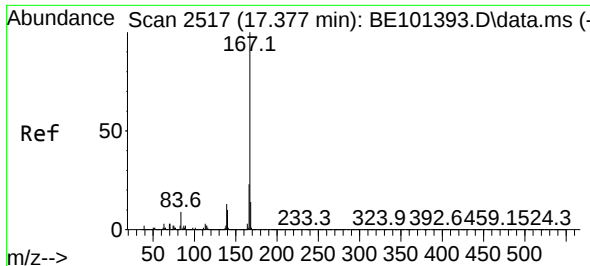
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#72
Anthracene
Concen: 12.357 ng
RT: 17.044 min Scan# 2460
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

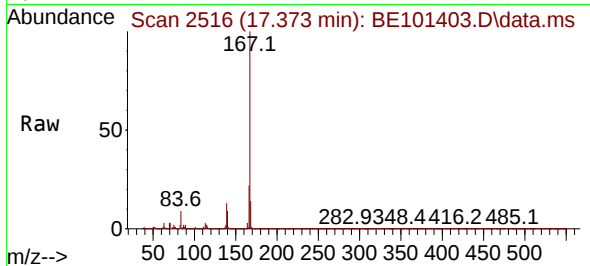
Tgt Ion:	178	Resp:	508462
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.9	23.9
179	15.5	13.1	19.7





#73
 Carbazole
 Concen: 12.277 ng
 RT: 17.373 min Scan# 2516
 Delta R.T. -0.004 min
 Lab File: BE101403.D
 Acq: 29 Oct 2024 12:42

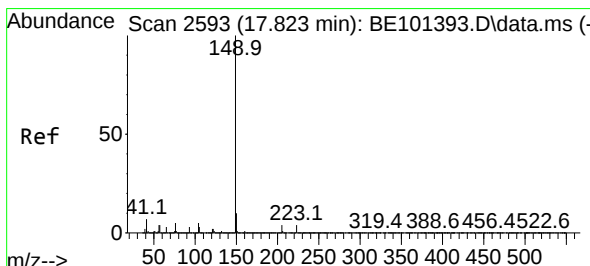
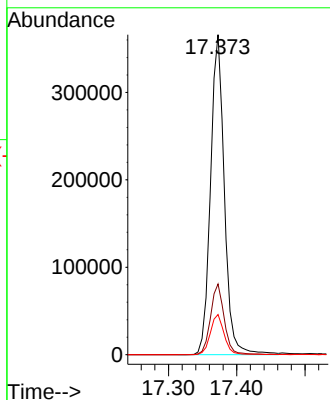
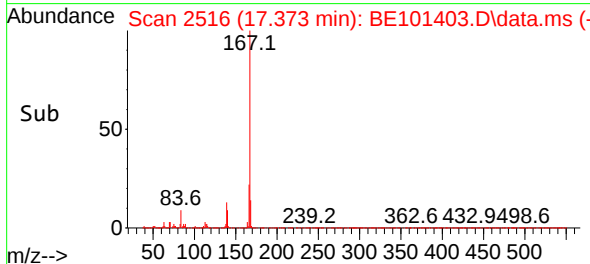
Instrument : BNA_E
 ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:167 Resp: 516908
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.3 27.5
 139 12.6 10.8 16.2

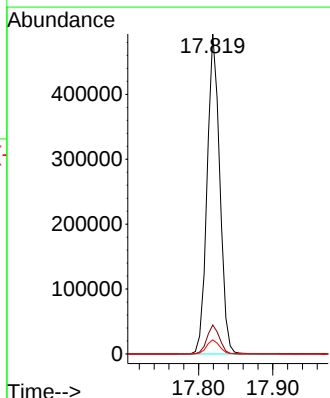
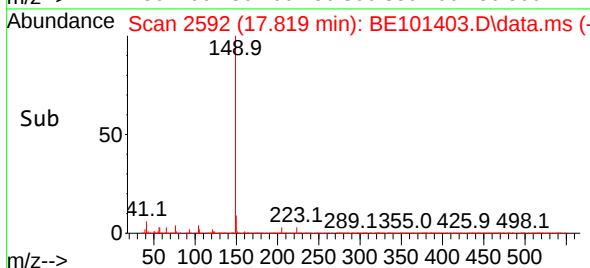
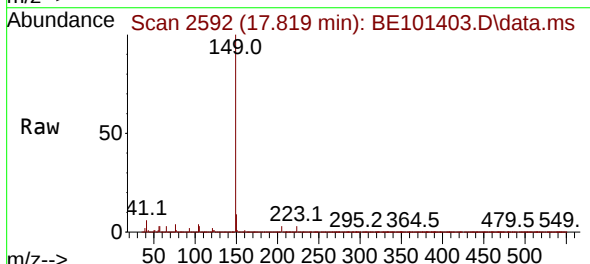
Manual Integrations
 APPROVED

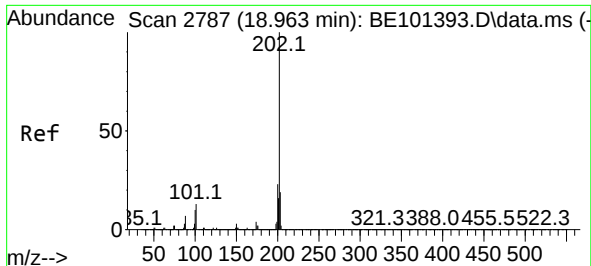
Reviewed By :Jagrut Upadhyay 10/30/2024
 Supervised By :mohammad ahmed 11/04/2024



#74
 Di-n-butylphthalate
 Concen: 12.562 ng
 RT: 17.819 min Scan# 2592
 Delta R.T. -0.004 min
 Lab File: BE101403.D
 Acq: 29 Oct 2024 12:42

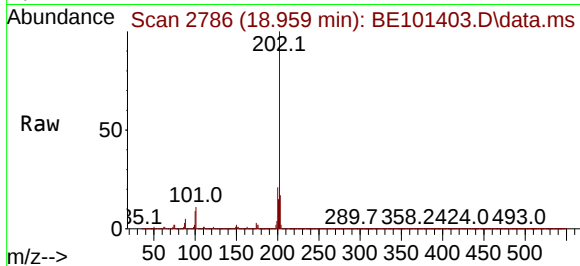
Tgt Ion:149 Resp: 582289
 Ion Ratio Lower Upper
 149 100
 150 9.1 8.2 12.4
 104 4.4 3.9 5.9





#75
Fluoranthene
Concen: 12.785 ng
RT: 18.959 min Scan# 21
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

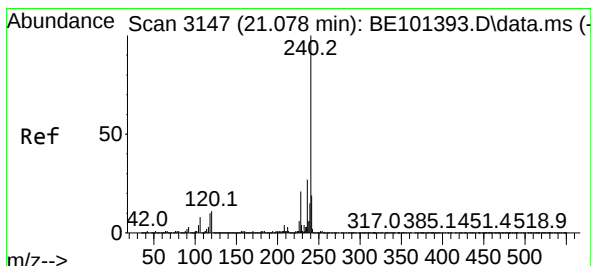
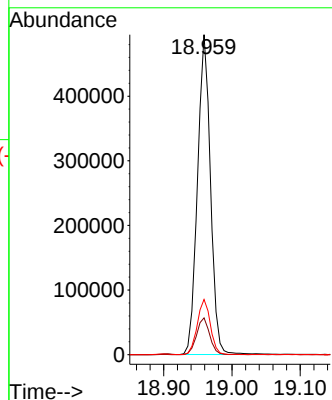
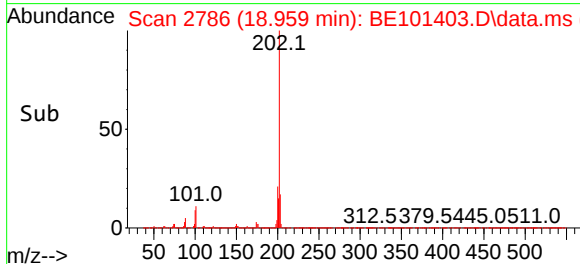
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:202 Resp: 654414
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.3
203 17.2 0.0 39.3

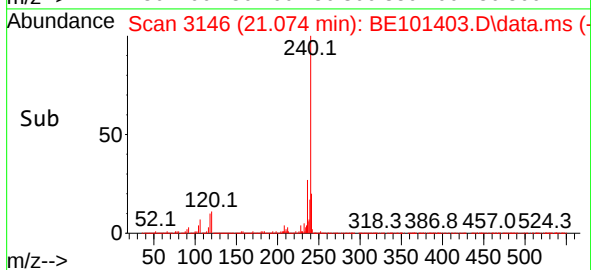
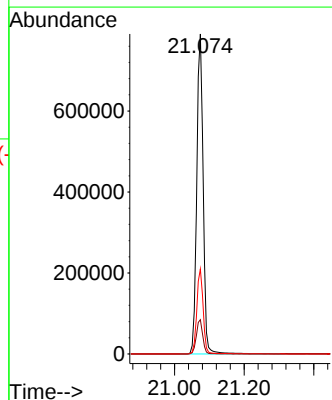
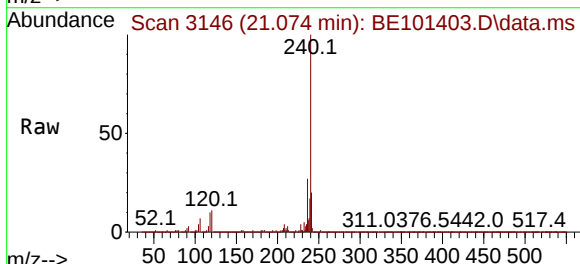
Manual Integrations
APPROVED

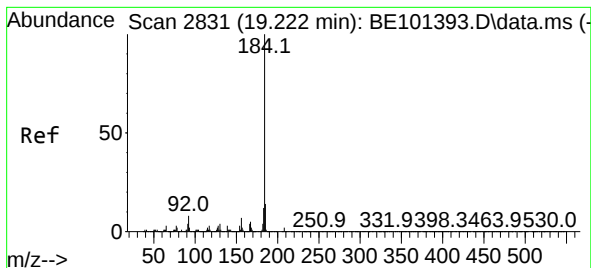
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.074 min Scan# 3146
Delta R.T. -0.004 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:240 Resp: 1010619
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 26.6 21.4 32.0





#77

Benzidine

Concen: 10.932 ng

RT: 19.217 min Scan# 2831

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

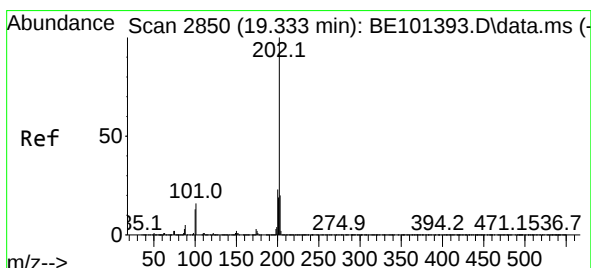
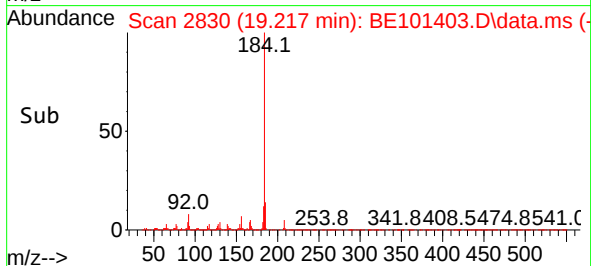
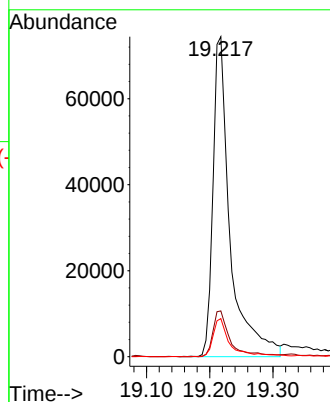
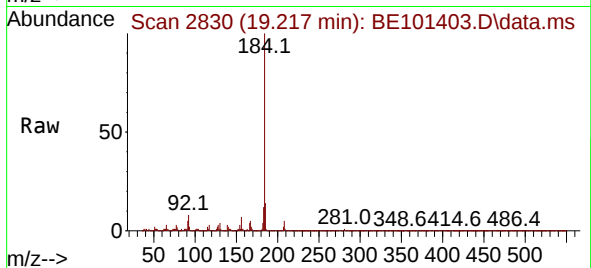
LOQ-SOIL-02-QT4-2024

Tgt Ion:184	Resp: 14021
Ion Ratio	Lower Upper
184	100
185	14.3 11.5 17.3
183	11.9 9.3 13.9

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 12.658 ng

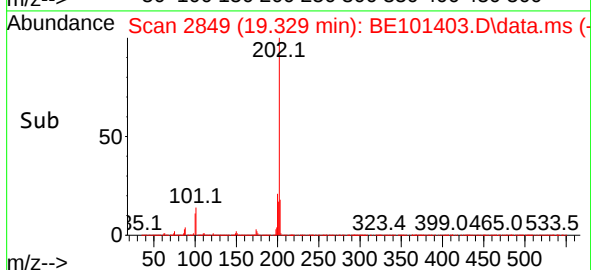
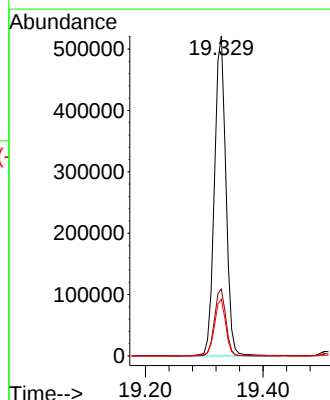
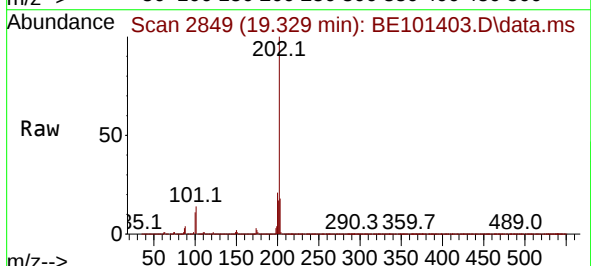
RT: 19.329 min Scan# 2849

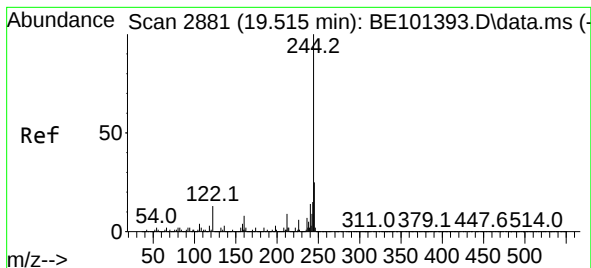
Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:202	Resp: 703505
Ion Ratio	Lower Upper
202	100
200	20.9 18.6 28.0
203	17.8 15.6 23.4





#79

Terphenyl-d14

Concen: 63.562 ng

RT: 19.505 min Scan# 2881

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:244 Resp: 2791025

Ion Ratio Lower Upper

244 100

212 7.5 7.2 10.8

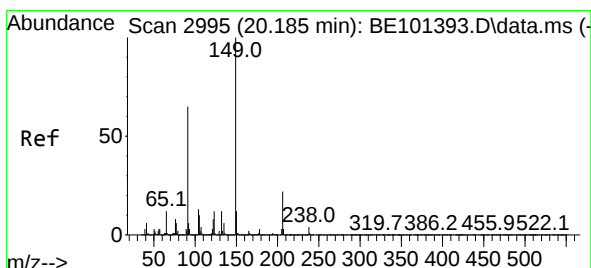
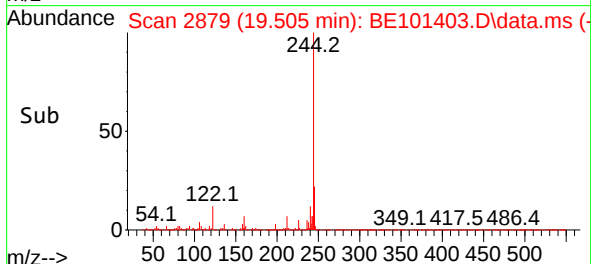
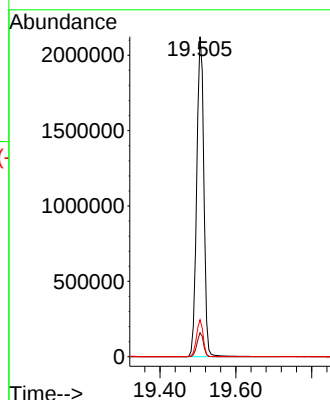
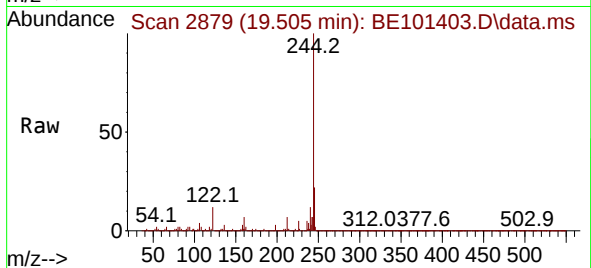
122 11.6 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/30/2024

Supervised By :mohammad ahmed 11/04/2024



#80

Butylbenzylphthalate

Concen: 11.857 ng

RT: 20.181 min Scan# 2994

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

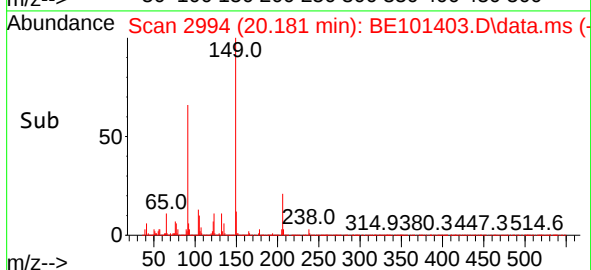
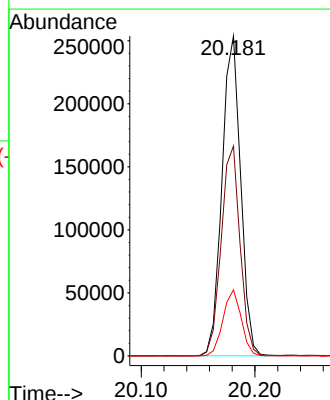
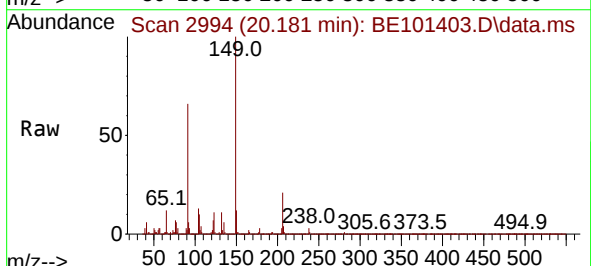
Tgt Ion:149 Resp: 288885

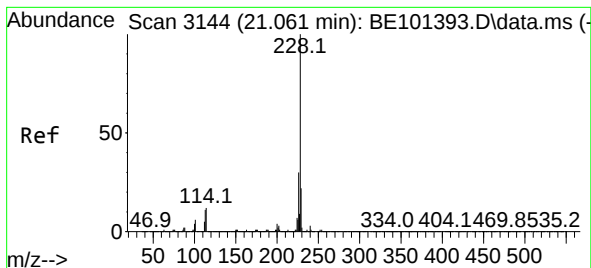
Ion Ratio Lower Upper

149 100

91 65.6 51.8 77.8

206 20.7 17.4 26.2





#81

Benzo(a)anthracene

Concen: 13.367 ng

RT: 21.051 min Scan# 3142

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

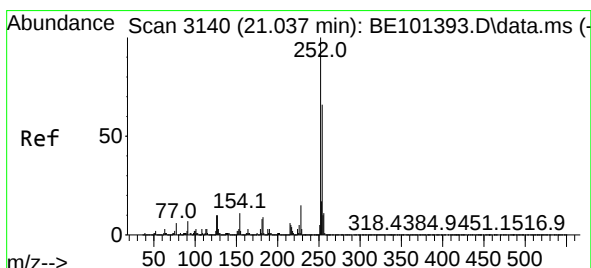
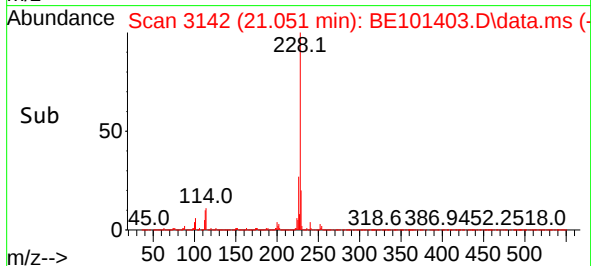
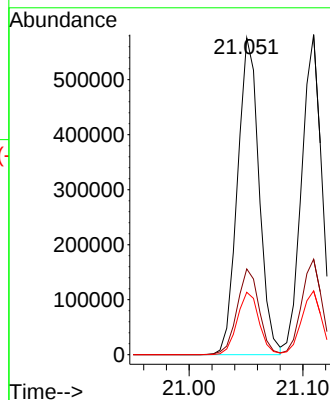
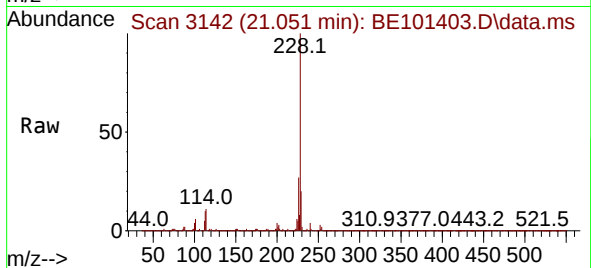
Tgt Ion:228 Resp: 759280

Ion	Ratio	Lower	Upper
228	100		
226	27.1	24.1	36.1
229	19.7	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: 11.766 ng

RT: 21.027 min Scan# 3138

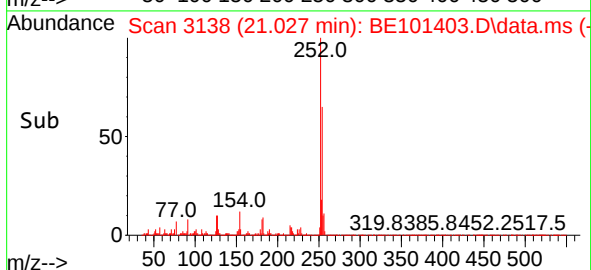
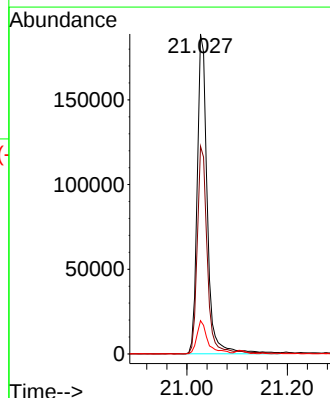
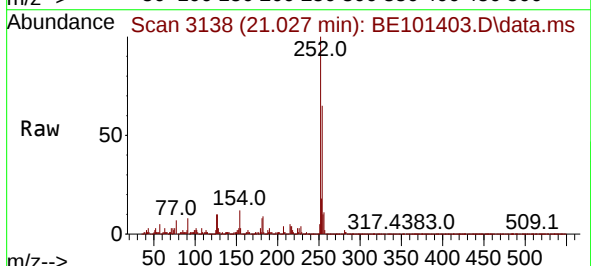
Delta R.T. -0.010 min

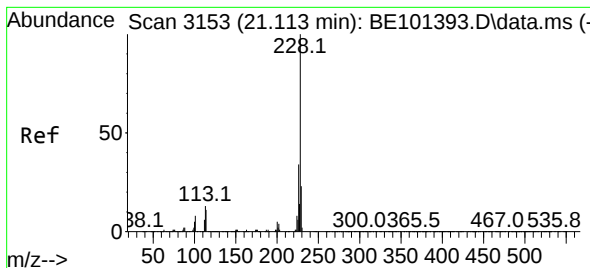
Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:252 Resp: 261812

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.6	78.8
126	10.4	7.7	11.5





#83

Chrysene

Concen: 13.285 ng

RT: 21.109 min Scan# 3152

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

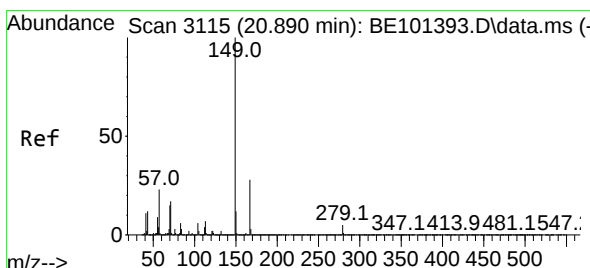
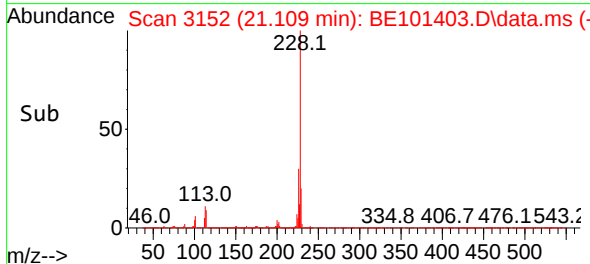
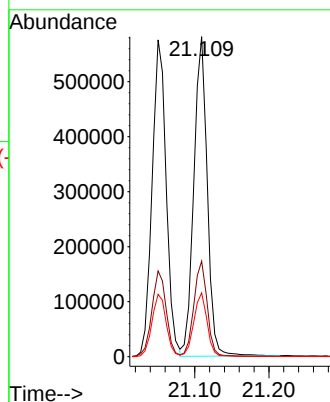
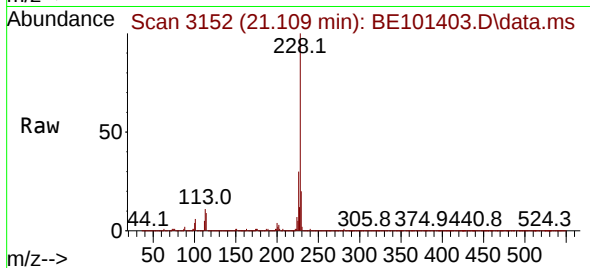
LOQ-SOIL-02-QT4-2024

Tgt Ion:	228	Resp:	729629
Ion Ratio	Lower	Upper	
228	100		
226	29.9	27.2	40.8
229	19.9	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: 11.831 ng

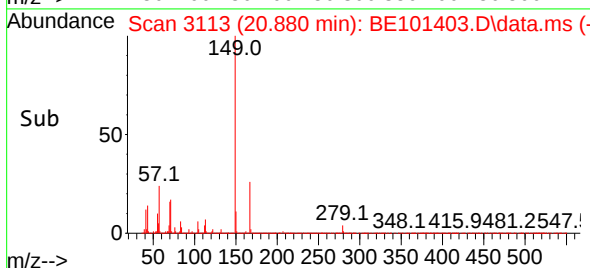
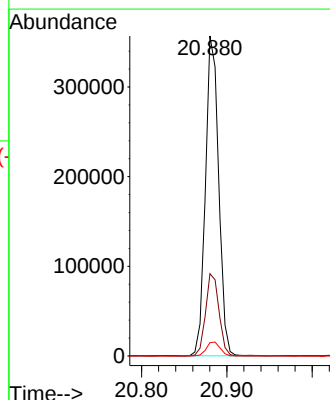
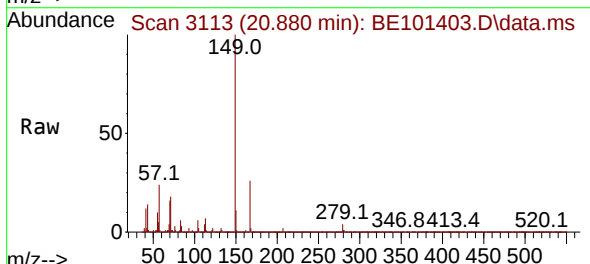
RT: 20.880 min Scan# 3113

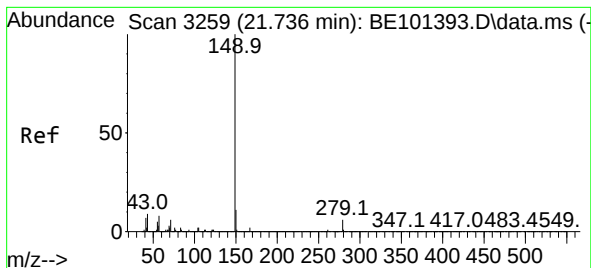
Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:	149	Resp:	382917
Ion Ratio	Lower	Upper	
149	100		
167	25.7	22.7	34.1
279	4.2	4.3	6.5





#85

Di-n-octyl phthalate

Concen: 12.483 ng

RT: 21.732 min Scan# 31

Delta R.T. -0.004 min

Lab File: BE101403.D

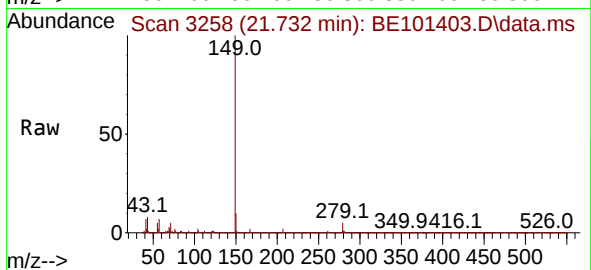
Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:149 Resp: 66312

Ion Ratio Lower Upper

149 100

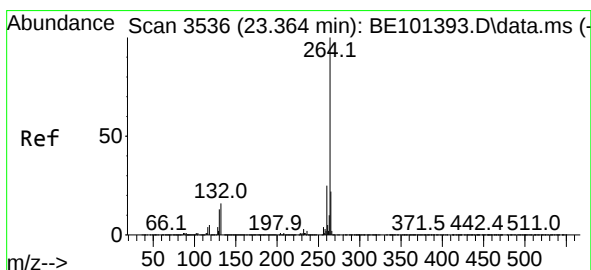
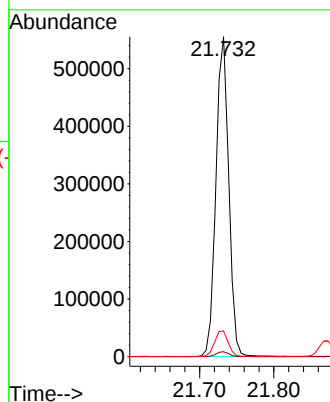
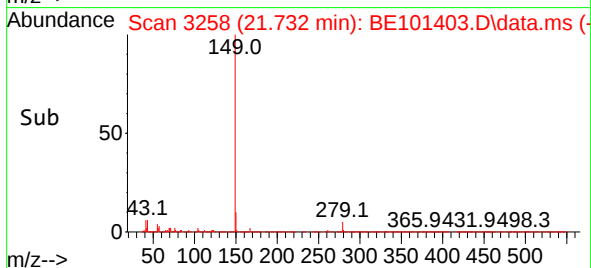
167 1.6 1.4 2.0

43 8.6 7.0 10.4

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.360 min Scan# 3535

Delta R.T. -0.004 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

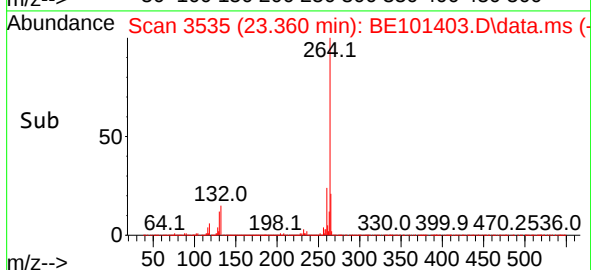
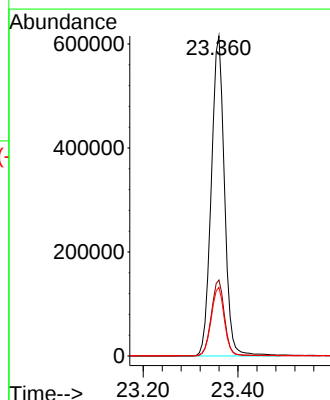
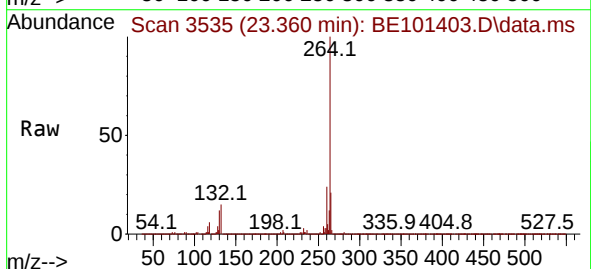
Tgt Ion:264 Resp: 1188813

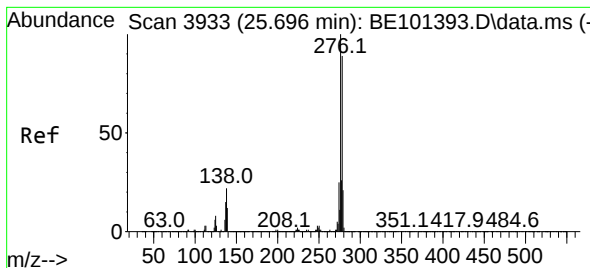
Ion Ratio Lower Upper

264 100

260 23.7 19.8 29.8

265 21.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.603 ng

RT: 25.669 min Scan# 3933

Delta R.T. -0.028 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:276 Resp: 1082264

Ion Ratio Lower Upper

276 100

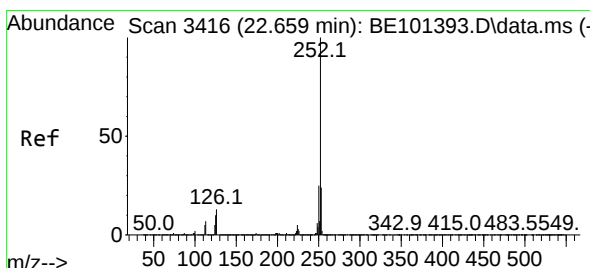
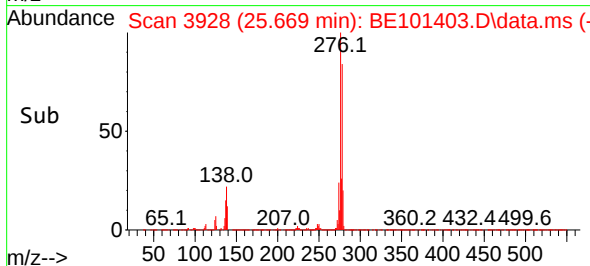
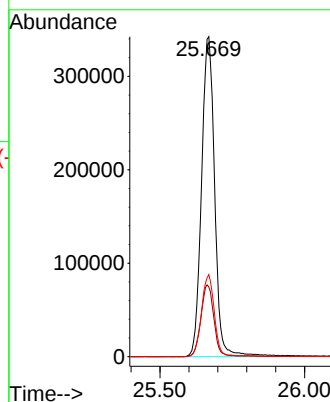
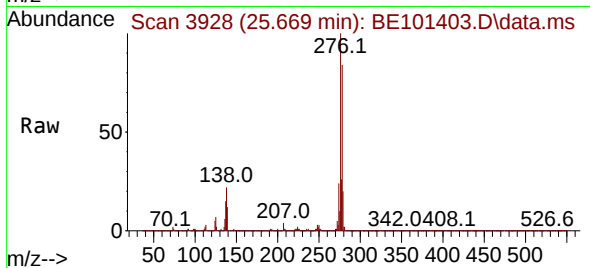
138 22.0 17.8 26.8

277 24.9 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: 12.791 ng

RT: 22.649 min Scan# 3414

Delta R.T. -0.010 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

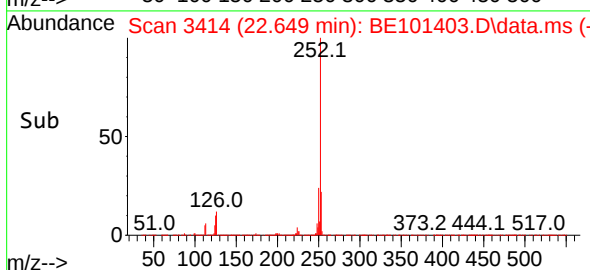
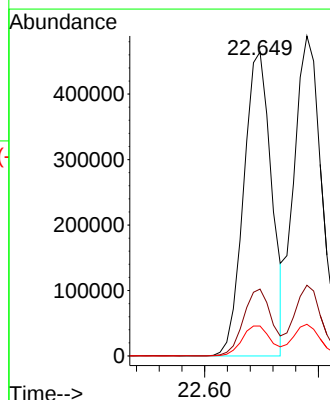
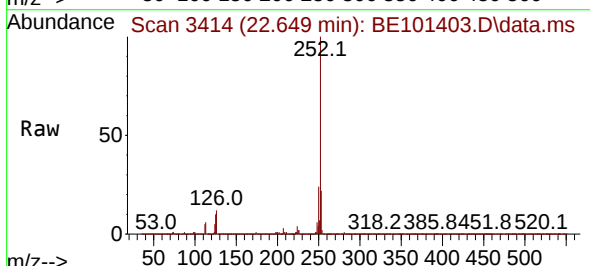
Tgt Ion:252 Resp: 792441

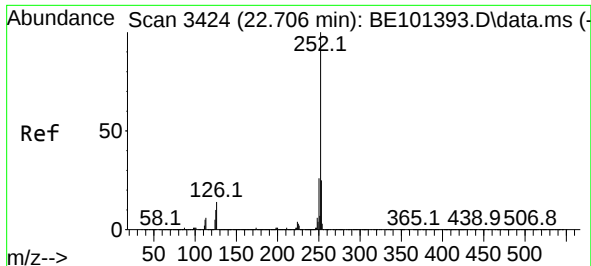
Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

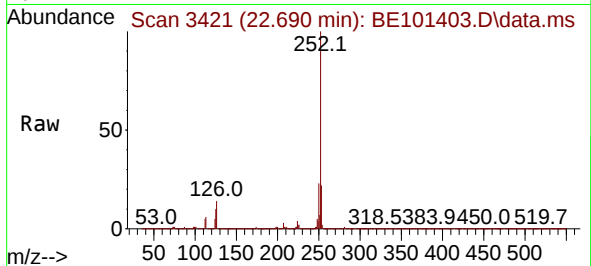
125 9.8 8.2 12.2





#89
Benzo(k)fluoranthene
Concen: 14.508 ng
RT: 22.690 min Scan# 3424
Delta R.T. -0.016 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

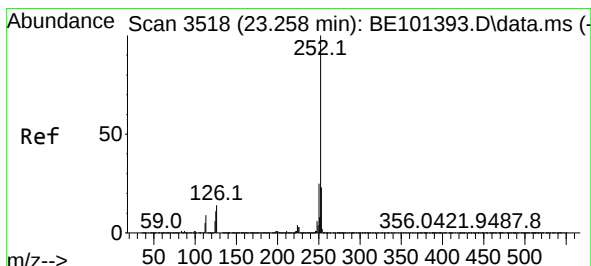
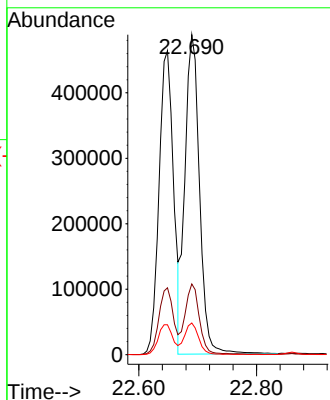
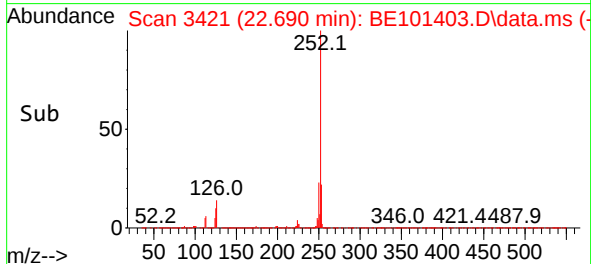
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:252 Resp: 83972
Ion Ratio Lower Upper
252 100
253 22.1 19.4 29.2
125 9.9 8.2 12.2

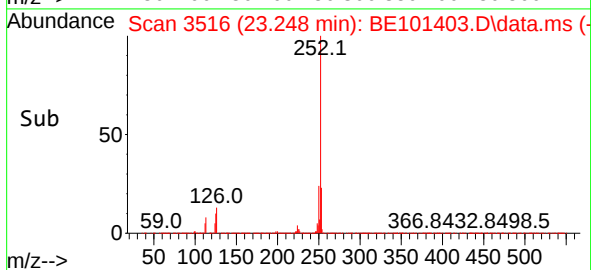
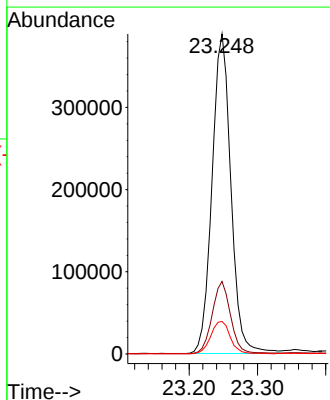
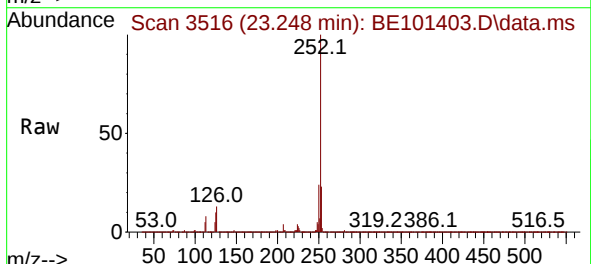
Manual Integrations
APPROVED

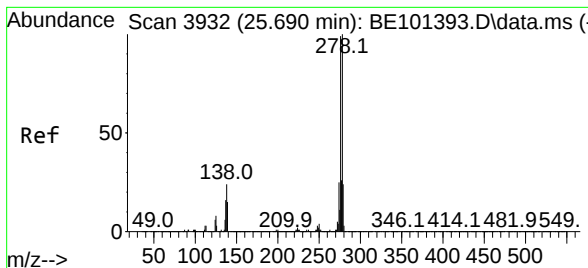
Reviewed By :Jagrut Upadhyay 10/30/2024
Supervised By :mohammad ahmed 11/04/2024



#90
Benzo(a)pyrene
Concen: 13.827 ng
RT: 23.248 min Scan# 3516
Delta R.T. -0.010 min
Lab File: BE101403.D
Acq: 29 Oct 2024 12:42

Tgt Ion:252 Resp: 749172
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 10.2 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 13.461 ng

RT: 25.663 min Scan# 3932

Delta R.T. -0.028 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Instrument :

BNA_E

ClientSampleId :

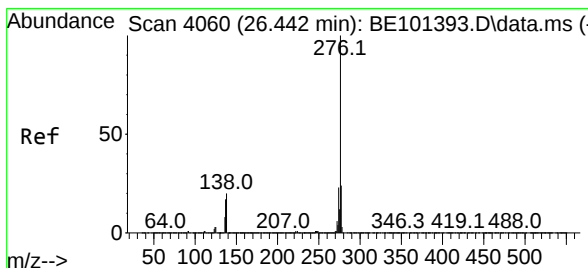
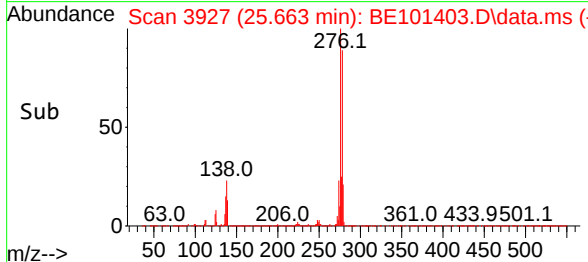
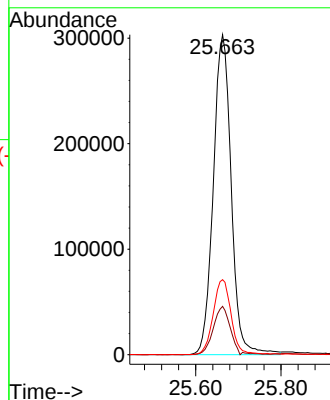
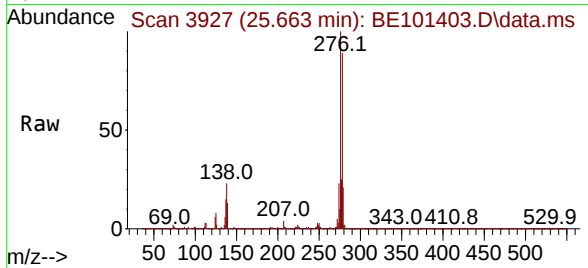
LOQ-SOIL-02-QT4-2024

Tgt Ion:	278	Resp:	88492
Ion Ratio	Lower	Upper	
278	100		
139	15.1	11.9	17.9
279	23.5	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: 12.181 ng

RT: 26.409 min Scan# 4054

Delta R.T. -0.033 min

Lab File: BE101403.D

Acq: 29 Oct 2024 12:42

Tgt Ion:	276	Resp:	825102
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.2
138	19.6	15.8	23.6

