

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE103024\
 Data File : BE101418.D
 Acq On : 30 Oct 2024 11:11
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL 4 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Oct 30 12:05:03 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 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	206952	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	1027670	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	755754	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1722994	20.000	ng	0.00
76) Chrysene-d12	21.072	240	1945102	20.000	ng	0.00
86) Perylene-d12	23.363	264	2422824	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	1215241	102.918	ng	0.00
7) Phenol-d6	6.947	99	1736362	106.052	ng	0.00
23) Nitrobenzene-d5	8.780	82	1223551	74.781	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	1429363	107.910	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	3131990	70.183	ng	0.00
79) Terphenyl-d14	19.509	244	4776744	56.521	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.222	88	13268	3.013	ng	92
3) Pyridine	3.780	79	33650m	2.701	ng	
4) n-Nitrosodimethylamine	3.622	42	15652m	3.247	ng	
6) Aniline	7.018	93	62313	4.966	ng	98
8) 2-Chlorophenol	7.212	128	50566	3.570	ng	92
9) Benzaldehyde	6.789	77	36748	4.649	ng	98
10) Phenol	6.971	94	65470m	3.685	ng	
11) bis(2-Chloroethyl)ether	7.041	93	53997m	3.705	ng	
12) 1,3-Dichlorobenzene	7.458	146	54083	3.542	ng	99
13) 1,4-Dichlorobenzene	7.605	146	54808	3.515	ng	99
14) 1,2-Dichlorobenzene	7.934	146	53907	3.531	ng	97
15) Benzyl Alcohol	7.911	79	46038	4.717	ng	# 70
16) 2,2'-oxybis(1-Chloropr...	8.069	45	72380	3.947	ng	98
17) 2-Methylphenol	8.152	107	36606	3.045	ng	96
18) Hexachloroethane	8.628	117	17760	3.487	ng	98
19) n-Nitroso-di-n-propyla...	8.375	70	38944	3.584	ng	97
20) 3+4-Methylphenols	8.492	107	49444	2.979	ng	97
22) Acetophenone	8.428	105	82002	3.514	ng	# 98
24) Nitrobenzene	8.821	77	62974	3.616	ng	99
25) Isophorone	9.274	82	108258	3.391	ng	98
26) 2-Nitrophenol	9.509	139	26126	3.104	ng	98
28) bis(2-Chloroethoxy)met...	9.779	93	66577	3.438	ng	99
29) 2,4-Dichlorophenol	10.055	162	45925	3.134	ng	97
30) 1,2,4-Trichlorobenzene	10.185	180	55637	3.486	ng	99
31) Naphthalene	10.384	128	181318	3.462	ng	99
32) Benzoic acid	9.826	122	12402m	9.159	ng	
33) 4-Chloroaniline	10.613	127	66031	3.626	ng	99
34) Hexachlorobutadiene	10.637	225	31627	3.347	ng	97
35) Caprolactam	11.389	113	14466m	2.576	ng	
36) 4-Chloro-3-methylphenol	11.783	107	49286	2.954	ng	96
37) 2-Methylnaphthalene	11.977	142	129926	3.444	ng	99
38) 1-Methylnaphthalene	12.200	142	122911	3.264	ng	98
40) 1,2,4,5-Tetrachloroben...	12.335	216	66724	3.517	ng	99
43) 2,4,6-Trichlorophenol	12.652	196	39843	3.046	ng	96
44) 2,4,5-Trichlorophenol	12.752	196	45115	3.012	ng	98
46) 1,1'-Biphenyl	13.005	154	192743	3.722	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.052	162	138461	3.385	ng	97
48) 2-Nitroaniline	13.381	65	29035	2.637	ng	98
49) Acenaphthylene	13.910	152	220162	3.639	ng	99
50) Dimethylphthalate	13.680	163	181722	3.406	ng	98
51) 2,6-Dinitrotoluene	13.816	165	35647	2.894	ng	97
52) Acenaphthene	14.239	154	134423	3.403	ng	98
53) 3-Nitroaniline	14.227	138	35025	2.860	ng	97
54) 2,4-Dinitrophenol	14.368	184	10388	6.720	ng	94
55) Dibenzofuran	14.585	168	223747	3.554	ng	98
56) 4-Nitrophenol	14.644	139	26553	2.368	ng	99
57) 2,4-Dinitrotoluene	14.603	165	45501	2.683	ng	92
58) Fluorene	15.220	166	179795	3.414	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.850	232	45949	3.320	ng	98
60) Diethylphthalate	15.008	149	184379	3.304	ng	98
61) 4-Chlorophenyl-phenyle...	15.208	204	88438	3.384	ng	97
62) 4-Nitroaniline	15.408	138	35518	2.606	ng	99
63) Azobenzene	15.508	77	165087	3.442	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	21401	2.114	ng	93
66) n-Nitrosodiphenylamine	15.455	169	157792	3.453	ng	99
67) 4-Bromophenyl-phenylether	16.095	248	60836	3.357	ng	95
68) Hexachlorobenzene	16.201	284	80288	3.380	ng	96
69) Atrazine	16.389	200	56444	4.029	ng	98
70) Pentachlorophenol	16.606	266	35196	2.574	ng	99
71) Phenanthrene	16.953	178	307305	3.725	ng	97
72) Anthracene	17.041	178	275216	3.417	ng	97
73) Carbazole	17.370	167	284775	3.455	ng	98
74) Di-n-butylphthalate	17.823	149	314585	3.467	ng	97
75) Fluoranthene	18.957	202	364362	3.636	ng	96
77) Benzidine	19.215	184	61398	2.487	ng	98
78) Pyrene	19.327	202	389518	3.642	ng	95
80) Butylbenzylphthalate	20.179	149	160918	3.432	ng	98
81) Benzo(a)anthracene	21.054	228	430655	3.939	ng	94
82) 3,3'-Dichlorobenzidine	21.031	252	135543	3.165	ng	99
83) Chrysene	21.107	228	416799	3.943	ng	93
84) Bis(2-ethylhexyl)phtha...	20.884	149	209438	3.362	ng	95
85) Di-n-octyl phthalate	21.730	149	360303	3.524	ng	100
87) Indeno(1,2,3-cd)pyrene	25.660	276	587942	3.626	ng	99
88) Benzo(b)fluoranthene	22.646	252	469710	3.720	ng	97
89) Benzo(k)fluoranthene	22.688	252	441173	3.740	ng	96
90) Benzo(a)pyrene	23.246	252	411436	3.726	ng	99
91) Dibenzo(a,h)anthracene	25.660	278	477660	3.565	ng	99
92) Benzo(g,h,i)perylene	26.413	276	452317	3.277	ng	98

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

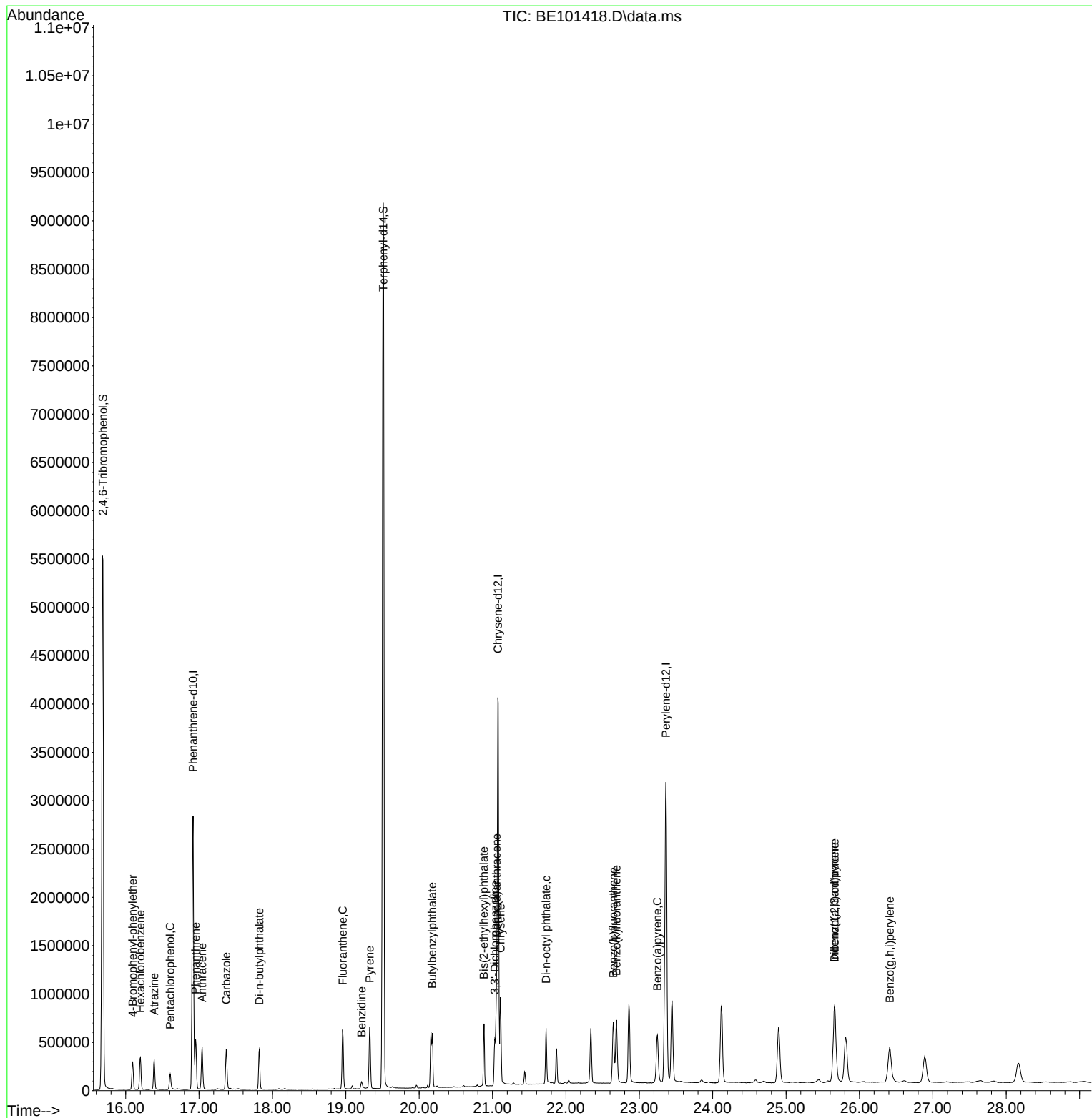
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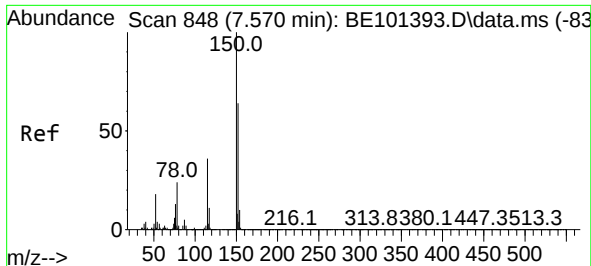
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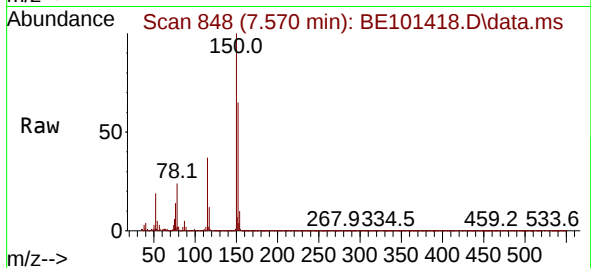
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. -0.000 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

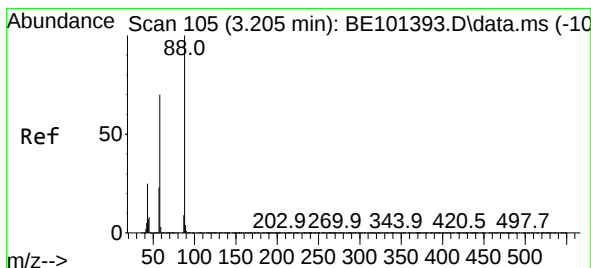
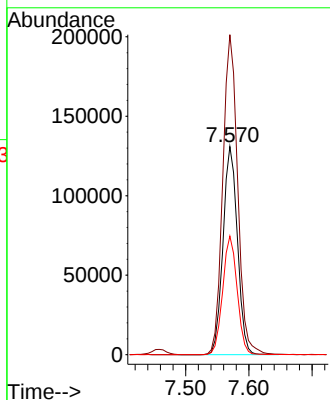
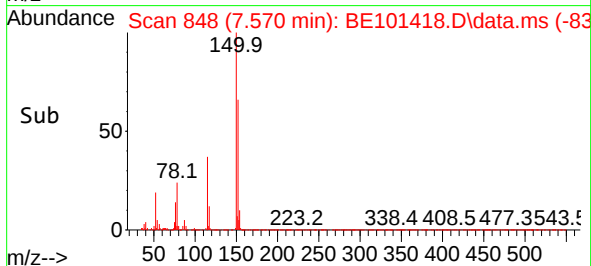
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BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



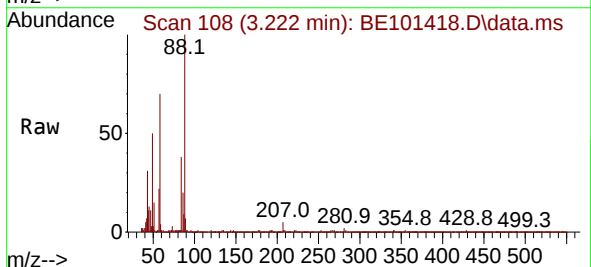
Tgt Ion:152 Resp: 206952
Ion Ratio Lower Upper
152 100
150 153.7 124.2 186.4
115 56.9 45.3 67.9

Manual Integrations
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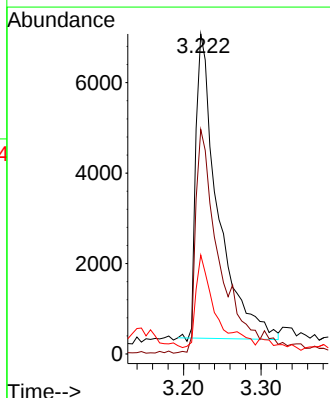
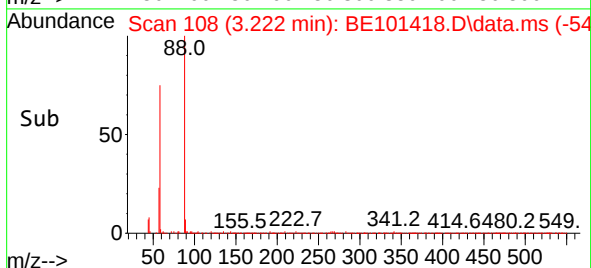
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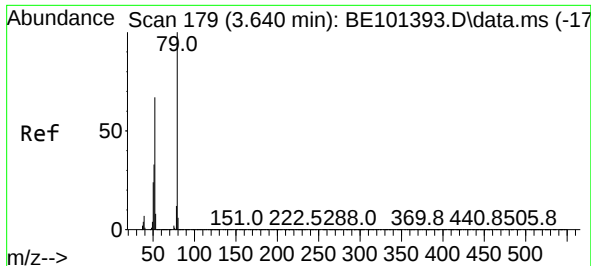


#2
1,4-Dioxane
Concen: 3.013 ng
RT: 3.222 min Scan# 108
Delta R.T. 0.017 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11



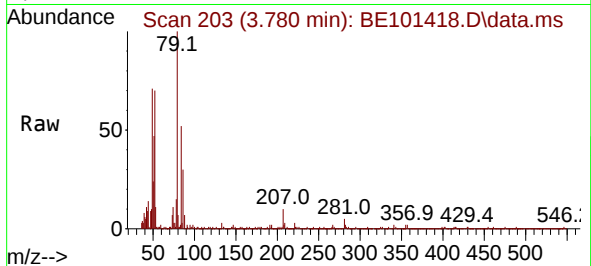
Tgt Ion: 88 Resp: 13268
Ion Ratio Lower Upper
88 100
58 77.4 56.5 84.7
43 27.7 19.8 29.8





#3
Pyridine
Concen: 2.701 ng m
RT: 3.780 min Scan# 203
Delta R.T. 0.140 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

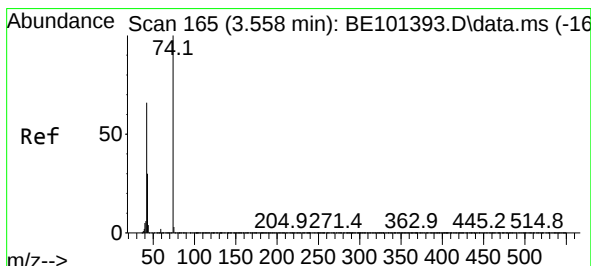
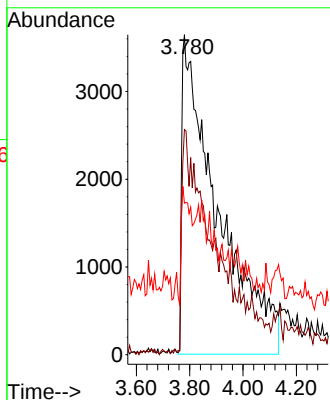
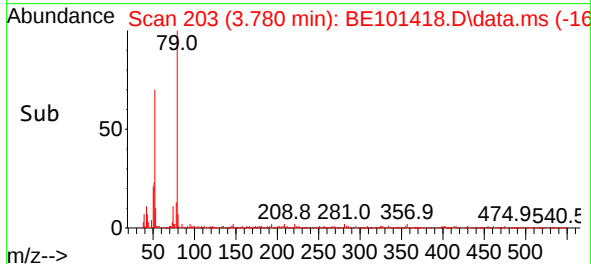
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2024



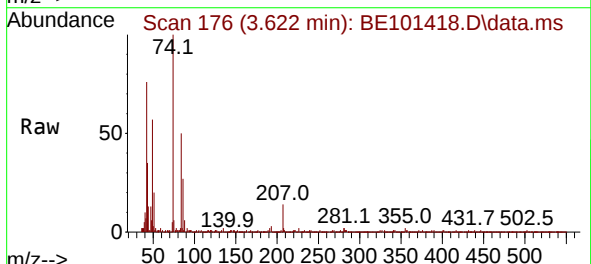
Tgt Ion: 79 Resp: 33650
Ion Ratio Lower Upper
79 100
52 70.3 53.3 79.9
51 47.4 27.3 40.9

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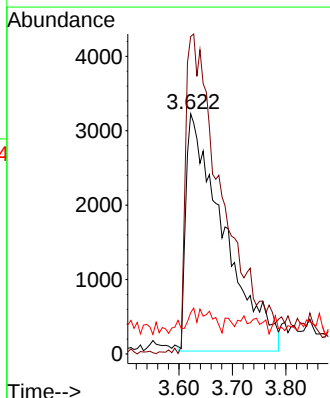
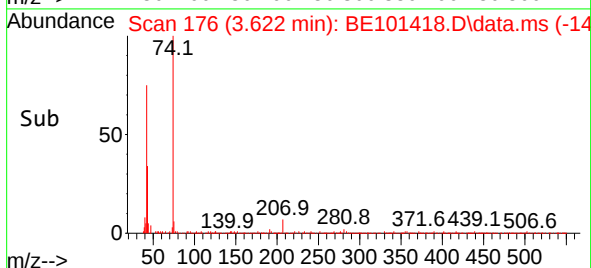
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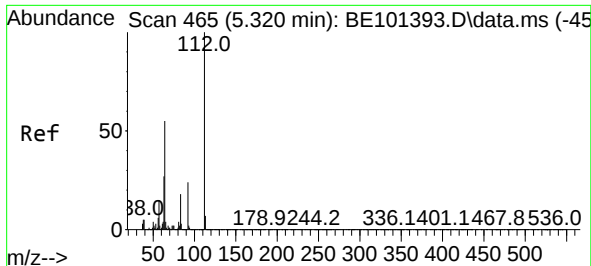


#4
n-Nitrosodimethylamine
Concen: 3.247 ng m
RT: 3.622 min Scan# 176
Delta R.T. 0.064 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11



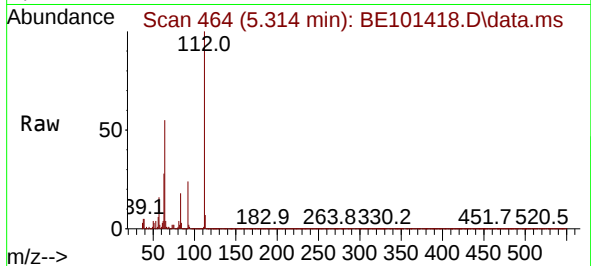
Tgt Ion: 42 Resp: 15652
Ion Ratio Lower Upper
42 100
74 132.1 121.4 182.0
44 17.2 5.6 8.4





#5
2-Fluorophenol
Concen: 102.918 ng
RT: 5.314 min Scan# 465
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

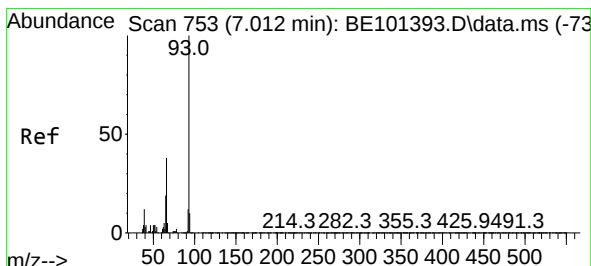
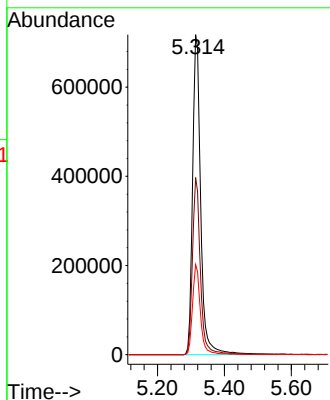
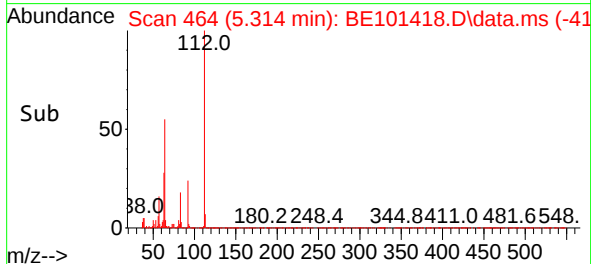
Instrument :
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Tgt Ion: 112 Resp: 121524
Ion Ratio Lower Upper
112 100
64 55.4 43.7 65.5
63 28.1 21.4 32.2

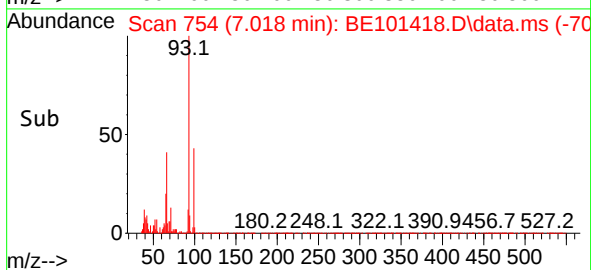
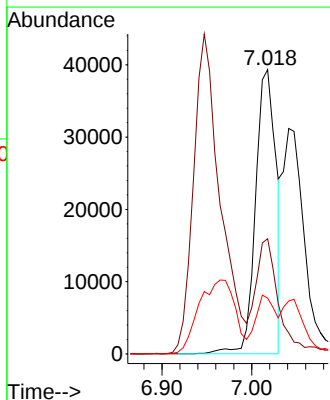
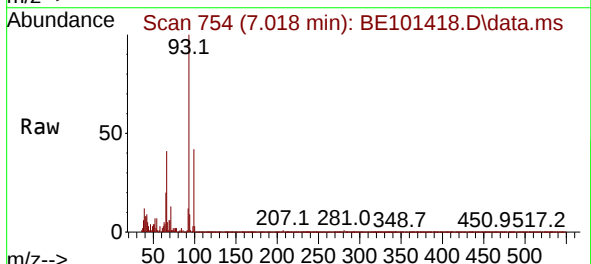
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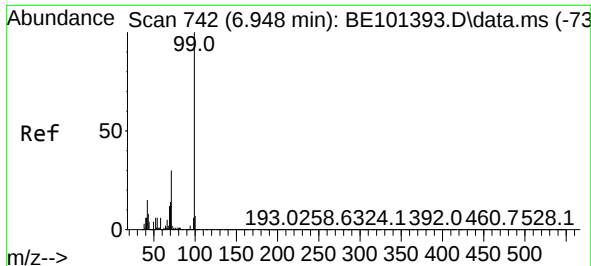
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#6
Aniline
Concen: 4.966 ng
RT: 7.018 min Scan# 754
Delta R.T. 0.005 min
Lab File: BE101418.D
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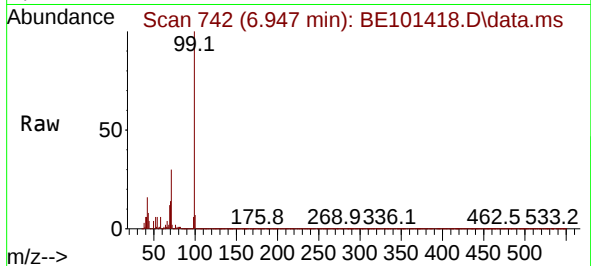
Tgt Ion: 93 Resp: 62313
Ion Ratio Lower Upper
93 100
66 40.5 31.0 46.4
65 19.6 15.5 23.3





#7
Phenol-d6
Concen: 106.052 ng
RT: 6.947 min Scan# 741
Delta R.T. -0.001 min
Lab File: BE101418.D
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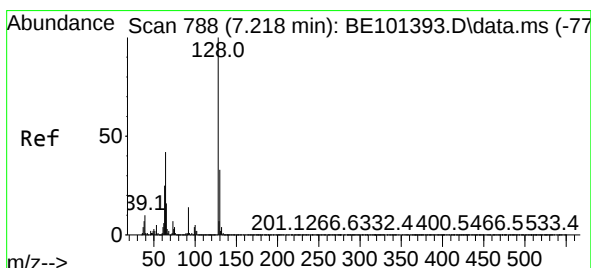
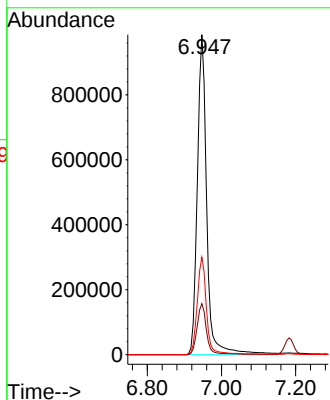
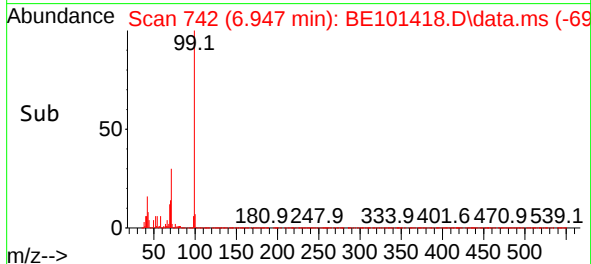
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Tgt Ion: 99 Resp: 173636
Ion Ratio Lower Upper
99 100
42 15.9 12.3 18.5
71 30.5 23.8 35.8

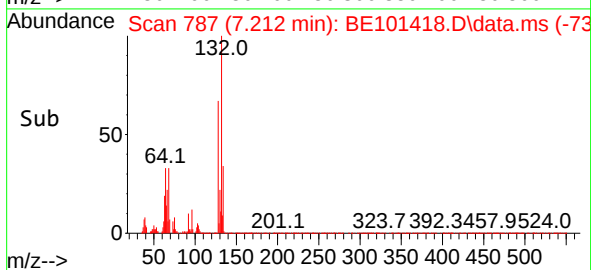
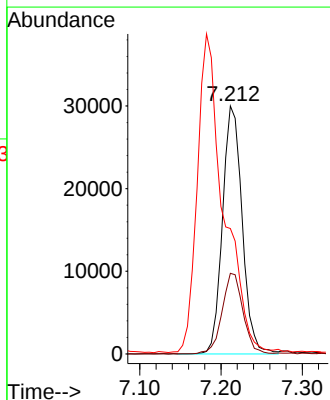
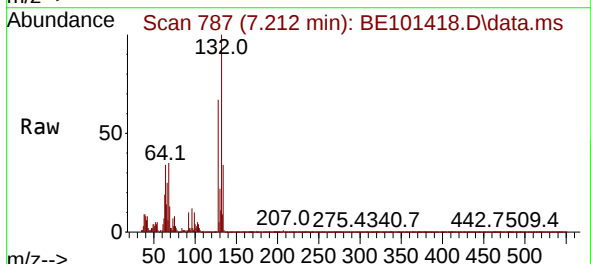
Manual Integrations
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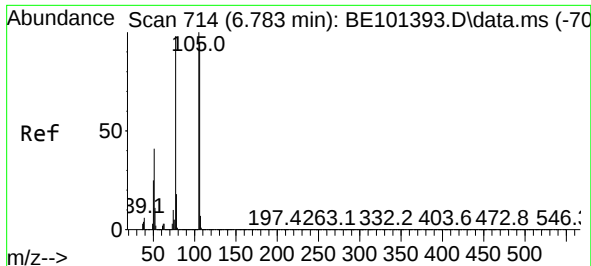
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#8
2-Chlorophenol
Concen: 3.570 ng
RT: 7.212 min Scan# 787
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:128 Resp: 50566
Ion Ratio Lower Upper
128 100
130 32.5 12.9 52.9
64 50.6 22.3 62.3





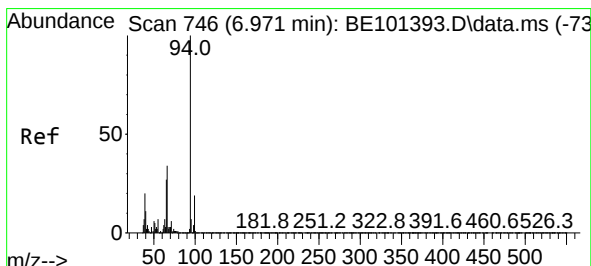
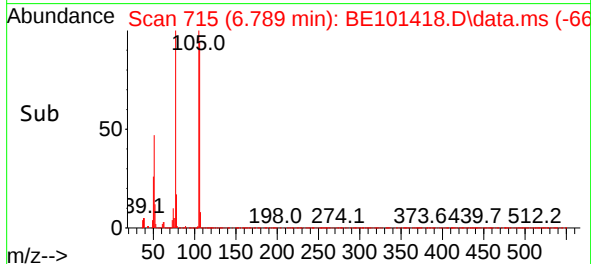
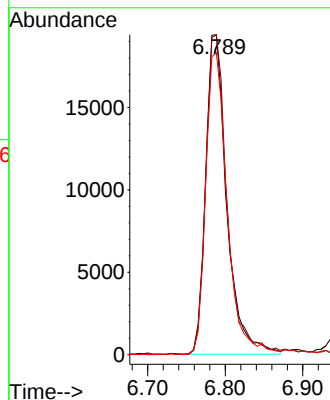
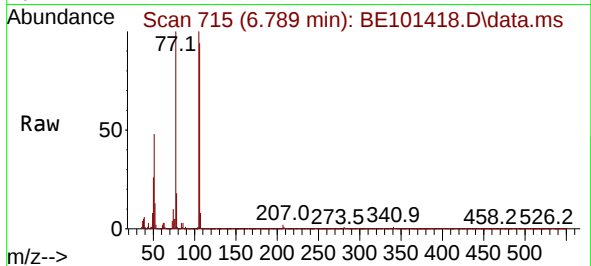
#9
Benzaldehyde
Concen: 4.649 ng
RT: 6.789 min Scan# 714
Delta R.T. 0.005 min
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Tgt Ion: 77 Resp: 36748
Ion Ratio Lower Upper
77 100
105 99.8 81.9 121.9
106 94.4 76.5 116.5

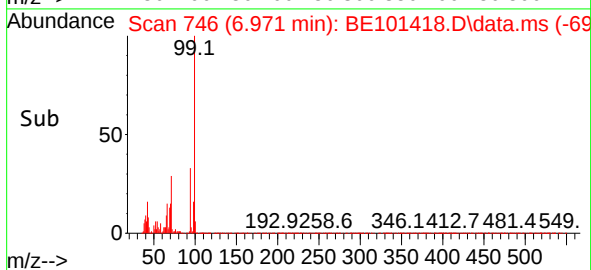
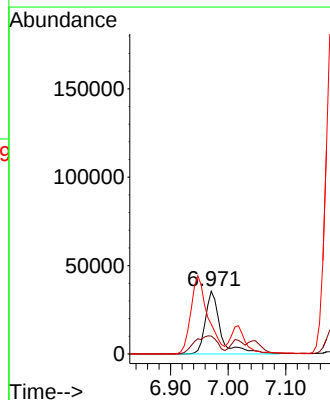
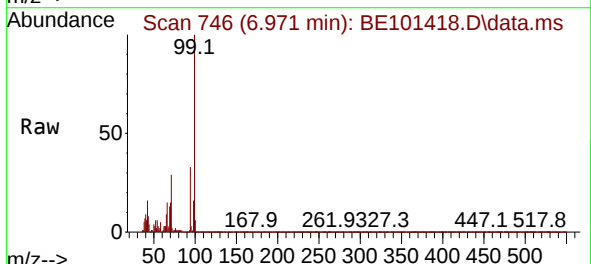
Manual Integrations
APPROVED

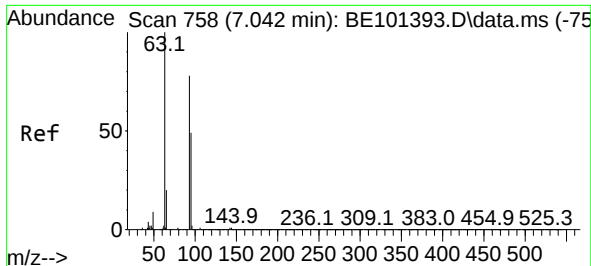
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#10
Phenol
Concen: 3.685 ng m
RT: 6.971 min Scan# 746
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

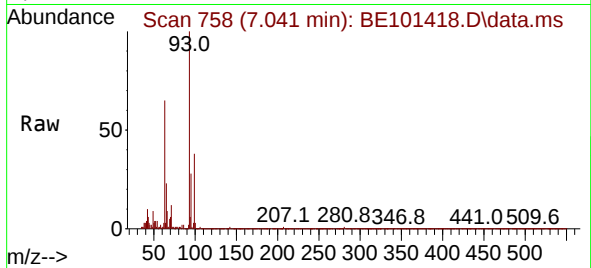
Tgt Ion: 94 Resp: 65470
Ion Ratio Lower Upper
94 100
65 28.7 6.8 46.8
66 47.4 14.0 54.0





#11
bis(2-Chloroethyl)ether
Concen: 3.705 ng m
RT: 7.041 min Scan# 704
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

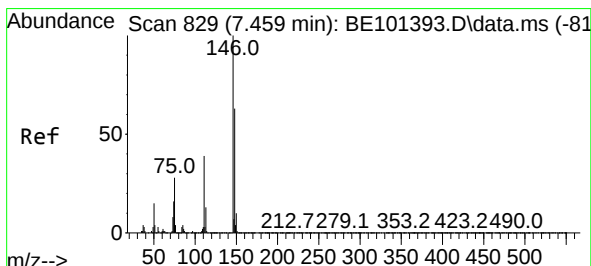
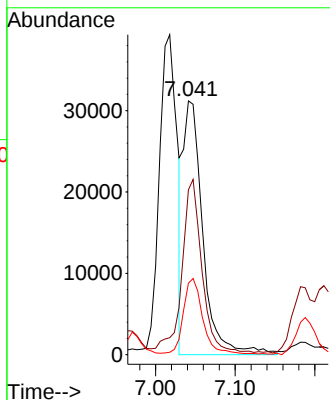
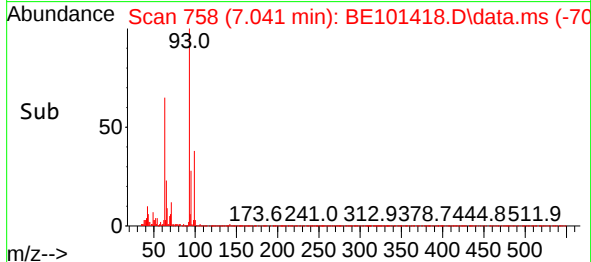
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



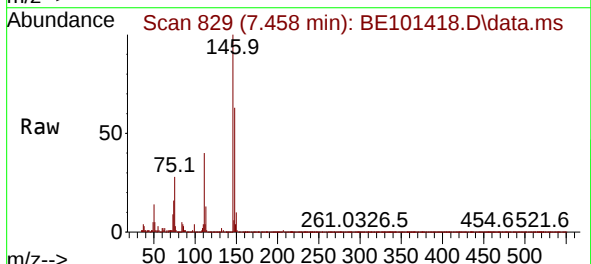
Tgt Ion: 93 Resp: 5399
Ion Ratio Lower Upper
93 100
63 65.0 46.3 86.3
95 28.2 9.6 49.6

Manual Integrations
APPROVED

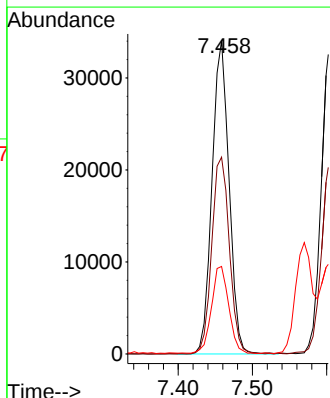
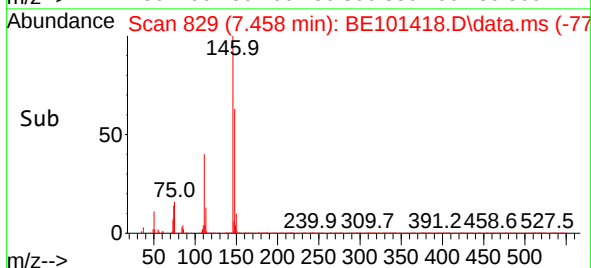
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

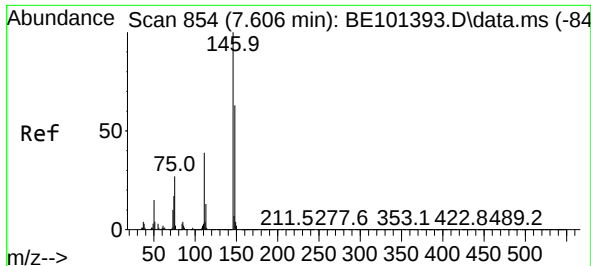


#12
1,3-Dichlorobenzene
Concen: 3.542 ng
RT: 7.458 min Scan# 829
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11



Tgt Ion:146 Resp: 54083
Ion Ratio Lower Upper
146 100
148 62.8 50.5 75.7
75 28.0 22.0 33.0





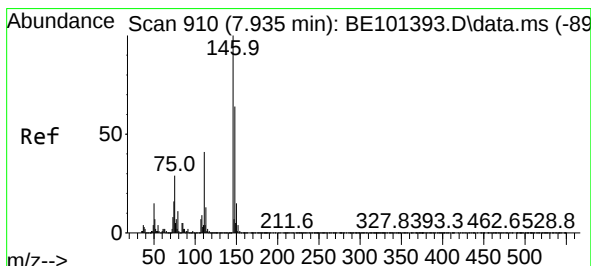
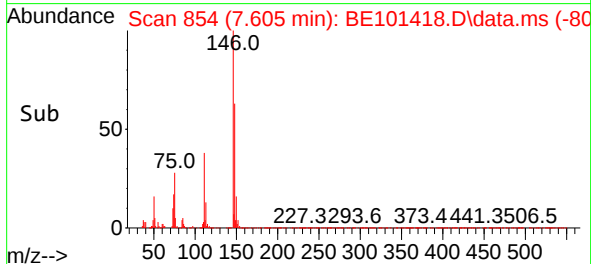
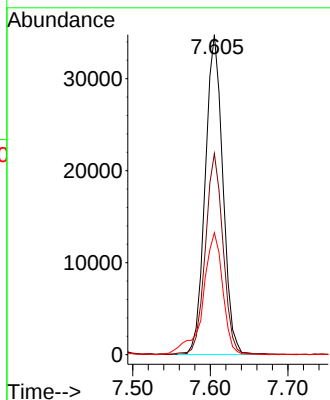
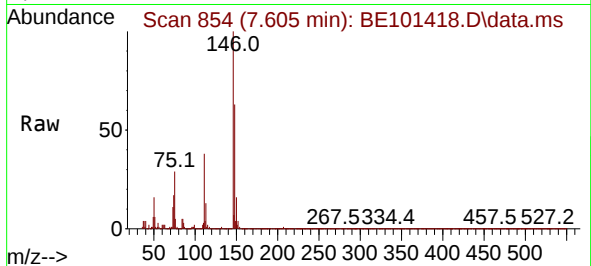
#13
1,4-Dichlorobenzene
Concen: 3.515 ng
RT: 7.605 min Scan# 854
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:146 Resp: 5480
Ion Ratio Lower Upper
146 100
148 62.8 50.2 75.2
111 38.1 31.6 47.4

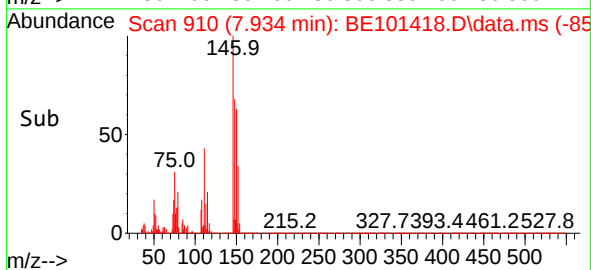
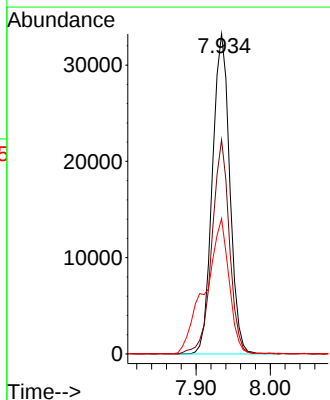
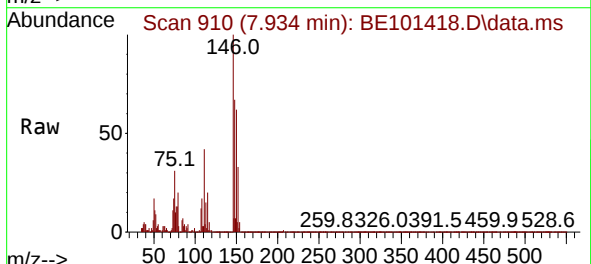
Manual Integrations
APPROVED

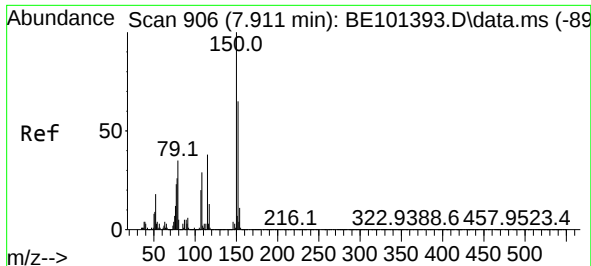
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#14
1,2-Dichlorobenzene
Concen: 3.531 ng
RT: 7.934 min Scan# 910
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

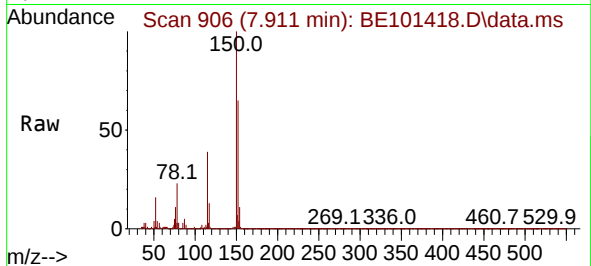
Tgt Ion:146 Resp: 53907
Ion Ratio Lower Upper
146 100
148 66.9 51.4 77.2
111 42.3 32.8 49.2





#15
Benzyl Alcohol
Concen: 4.717 ng
RT: 7.911 min Scan# 906
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

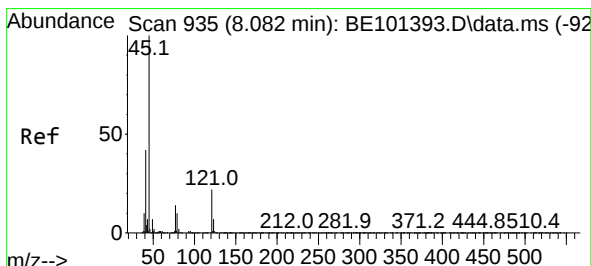
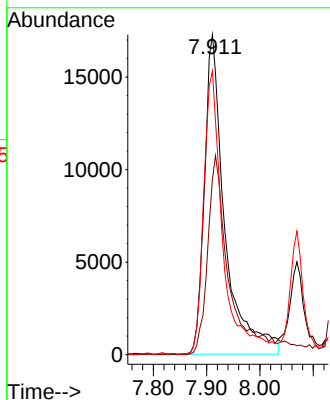
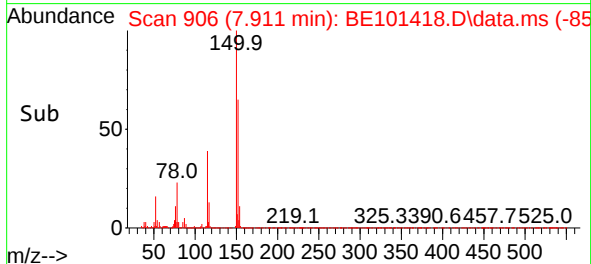
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



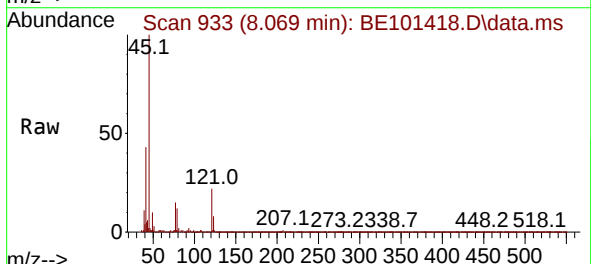
Tgt Ion: 79 Resp: 46038
Ion Ratio Lower Upper
79 100
108 54.8 66.1 99.1
77 88.6 53.1 79.7

Manual Integrations
APPROVED

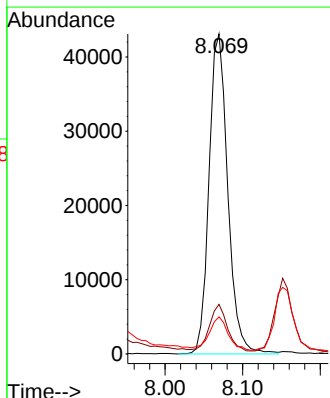
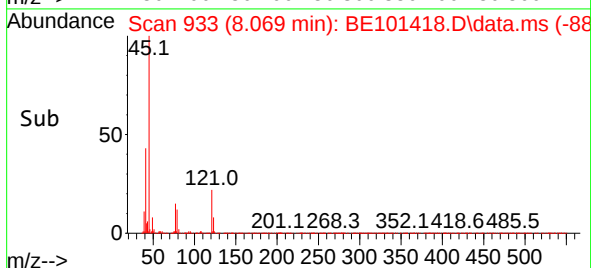
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

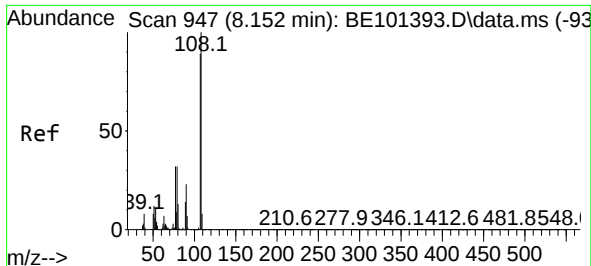


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.947 ng
RT: 8.069 min Scan# 933
Delta R.T. -0.012 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11



Tgt Ion: 45 Resp: 72380
Ion Ratio Lower Upper
45 100
77 15.5 0.0 34.5
79 11.6 0.0 31.8





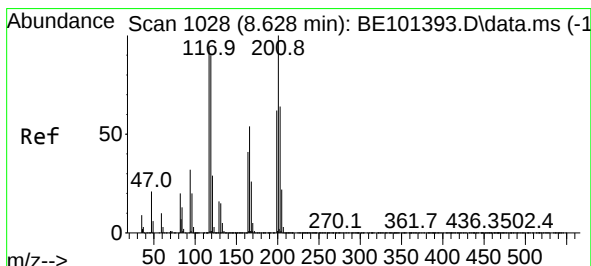
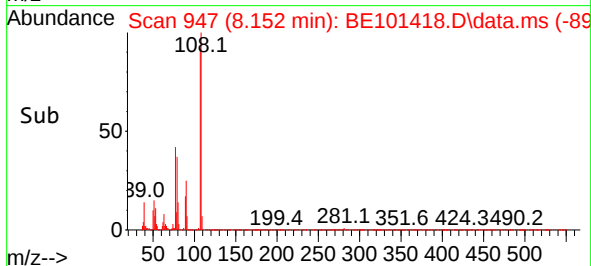
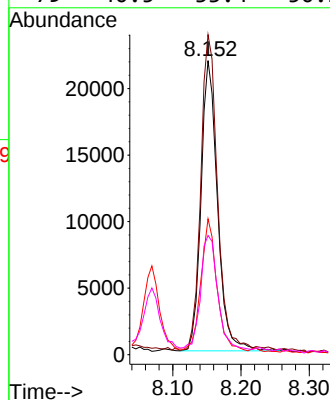
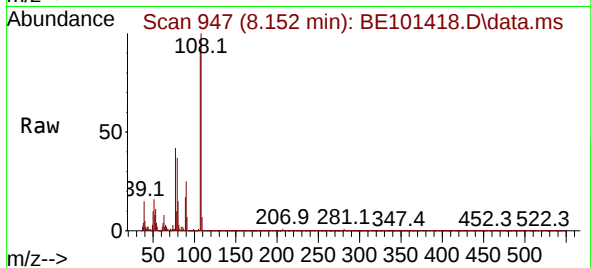
#17
2-Methylphenol
Concen: 3.045 ng
RT: 8.152 min Scan# 947
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:	107	Resp:	3660
Ion Ratio	Lower	Upper	
107	100		
108	108.8	90.0	135.0
77	46.2	34.2	51.4
79	40.5	33.4	50.2

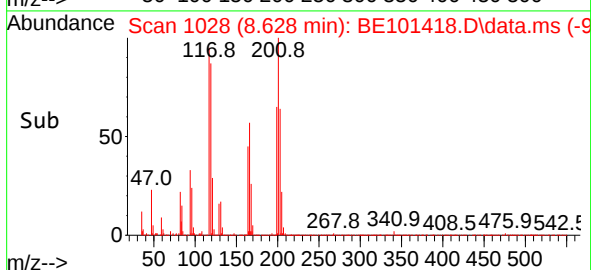
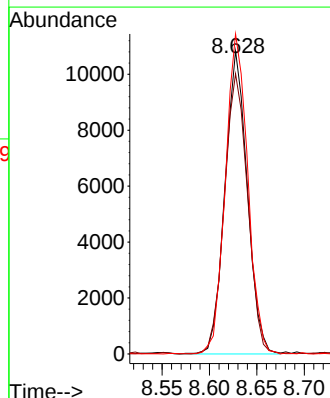
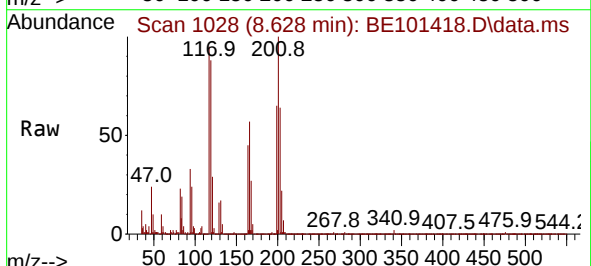
Manual Integrations
APPROVED

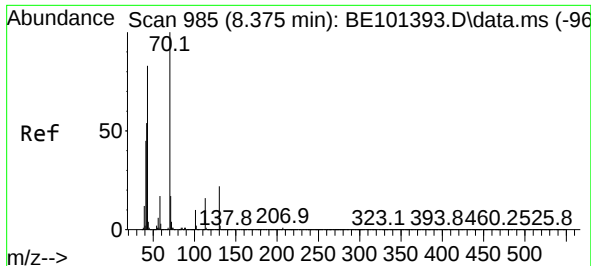
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#18
Hexachloroethane
Concen: 3.487 ng
RT: 8.628 min Scan# 1028
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

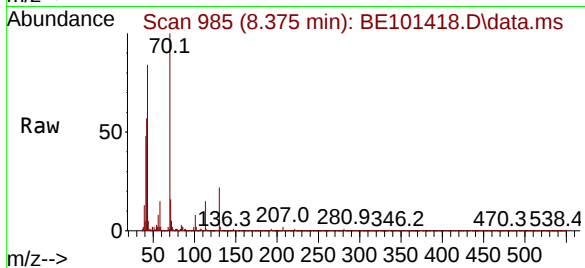
Tgt Ion:	117	Resp:	17760
Ion Ratio	Lower	Upper	
117	100		
119	92.4	77.0	115.4
201	105.6	85.3	127.9





#19
n-Nitroso-di-n-propylamine
Concen: 3.584 ng
RT: 8.375 min Scan# 985
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

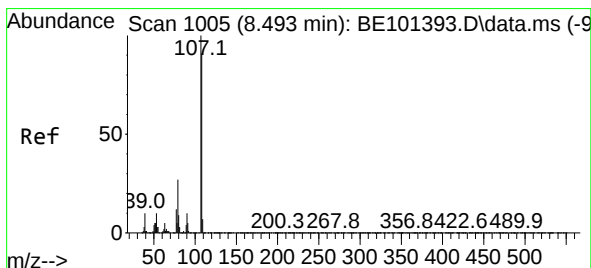
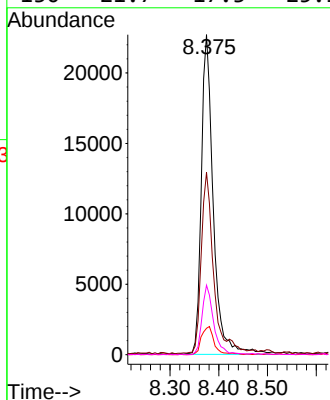
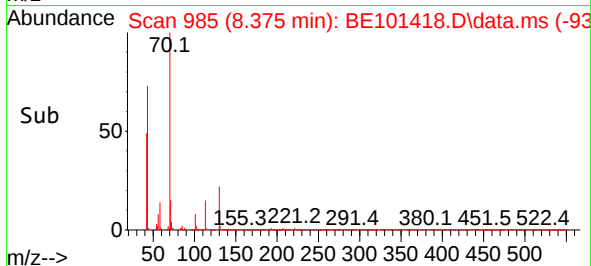
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



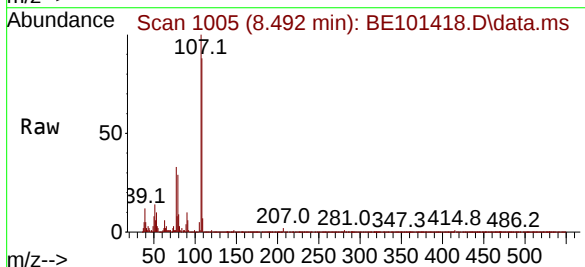
Tgt Ion: 70 Resp: 38944
Ion Ratio Lower Upper
70 100
42 56.9 43.4 65.0
101 8.3 8.1 12.1
130 21.7 17.3 25.9

Manual Integrations
APPROVED

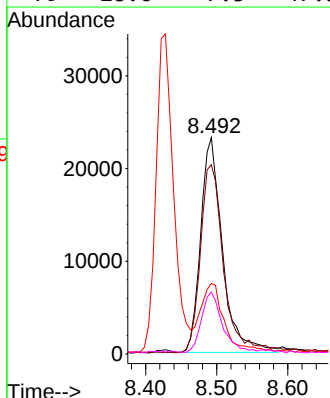
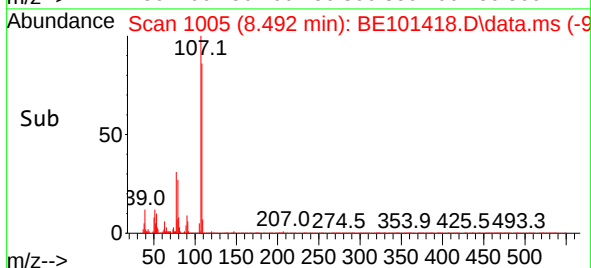
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

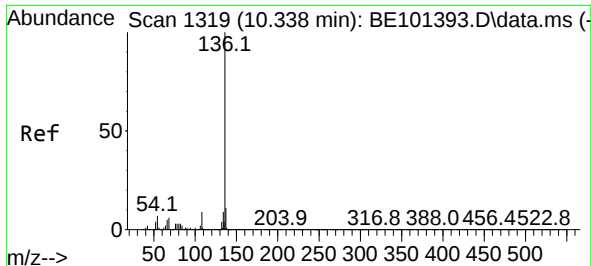


#20
3+4-Methylphenols
Concen: 2.979 ng
RT: 8.492 min Scan# 1005
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11



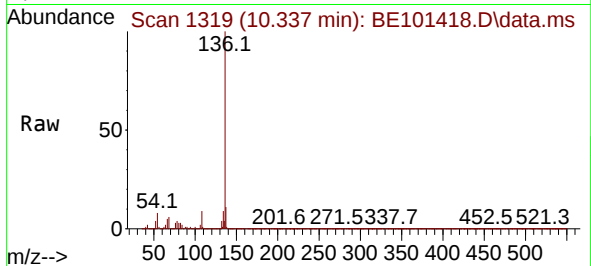
Tgt Ion:107 Resp: 49444
Ion Ratio Lower Upper
107 100
108 87.5 70.6 110.6
77 32.5 11.3 51.3
79 28.6 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 11
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

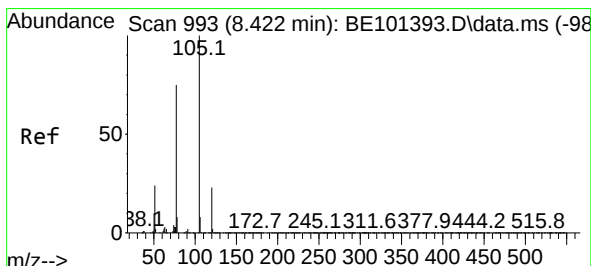
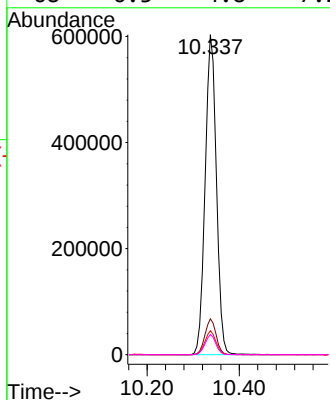
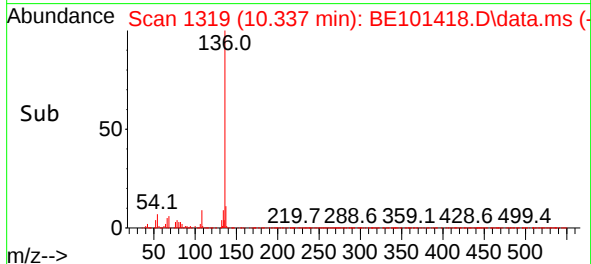
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:136 Resp: 1027670
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 7.5 5.9 8.9
68 6.3 4.8 7.2

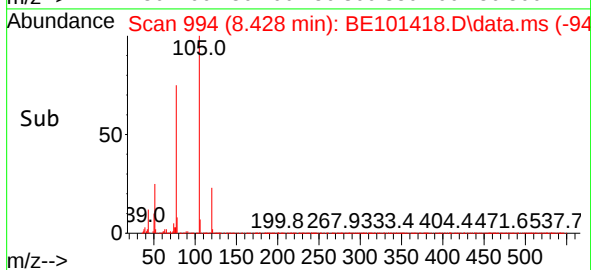
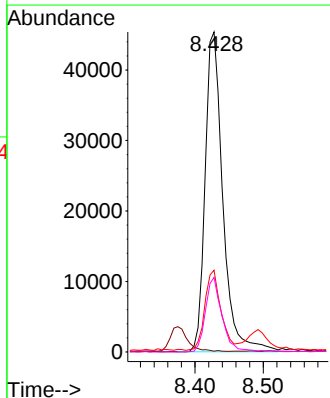
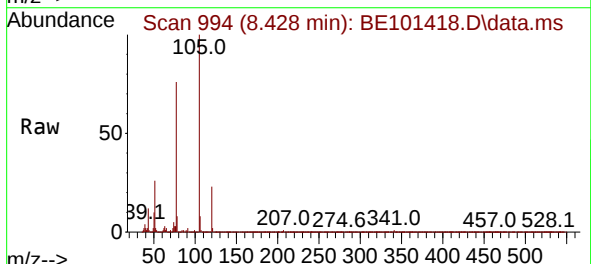
Manual Integrations
APPROVED

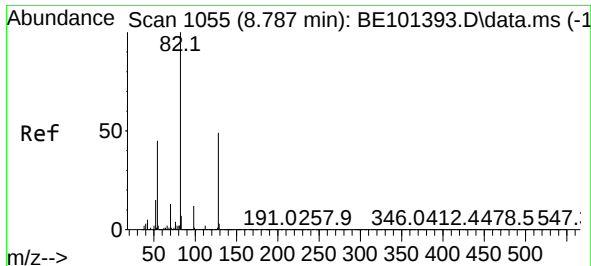
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#22
Acetophenone
Concen: 3.514 ng
RT: 8.428 min Scan# 994
Delta R.T. 0.005 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:105 Resp: 82002
Ion Ratio Lower Upper
105 100
71 0.2 0.1 0.1#
51 25.5 19.4 29.0
120 23.3 18.4 27.6





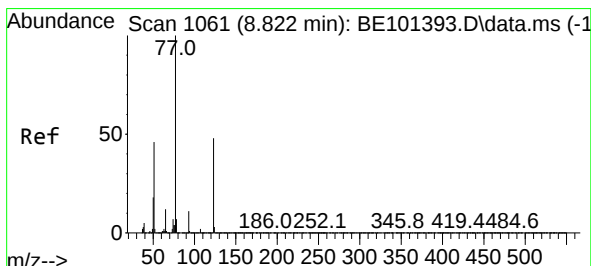
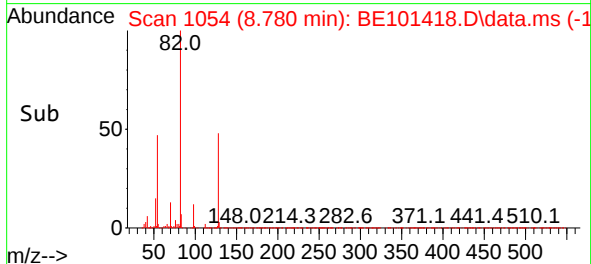
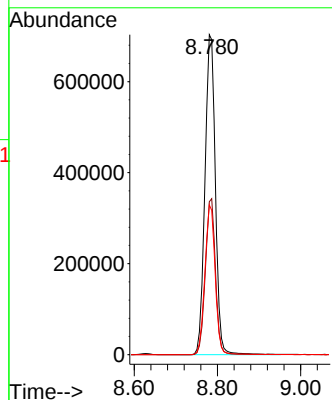
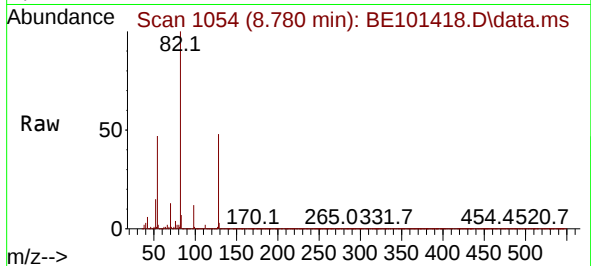
#23
Nitrobenzene-d5
Concen: 74.781 ng
RT: 8.780 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion: 82 Resp: 122355
Ion Ratio Lower Upper
82 100
128 47.8 38.9 58.3
54 46.8 36.2 54.4

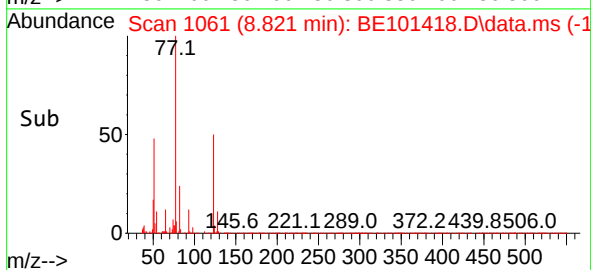
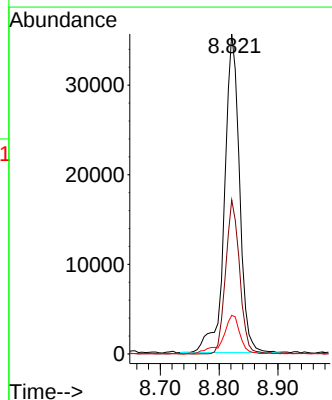
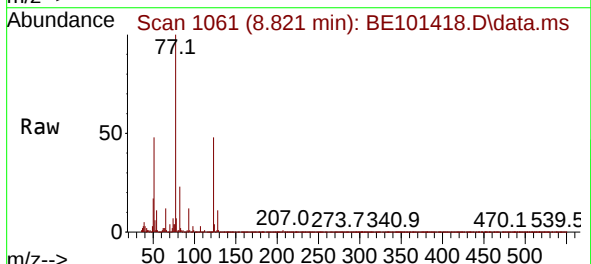
Manual Integrations
APPROVED

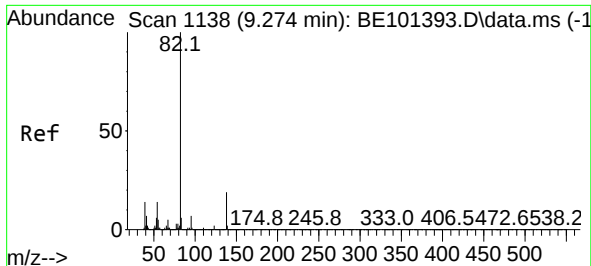
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#24
Nitrobenzene
Concen: 3.616 ng
RT: 8.821 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

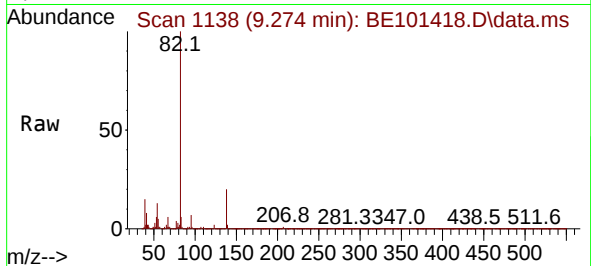
Tgt Ion: 77 Resp: 62974
Ion Ratio Lower Upper
77 100
123 48.2 38.7 58.1
65 12.1 10.0 15.0





#25
Isophorone
Concen: 3.391 ng
RT: 9.274 min Scan# 1138
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

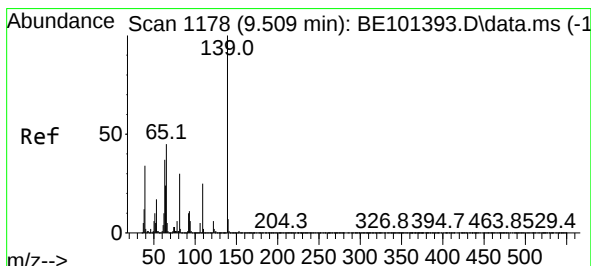
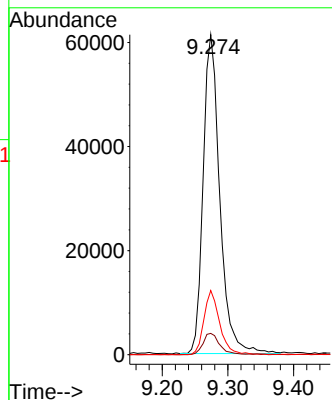
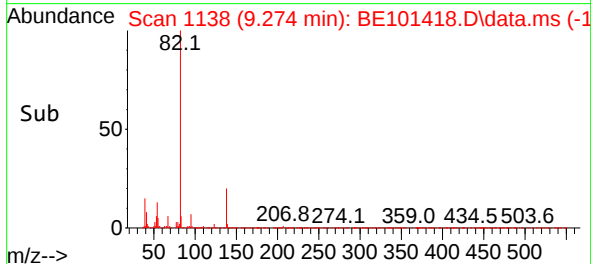
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 108258
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 20.0 15.0 22.4

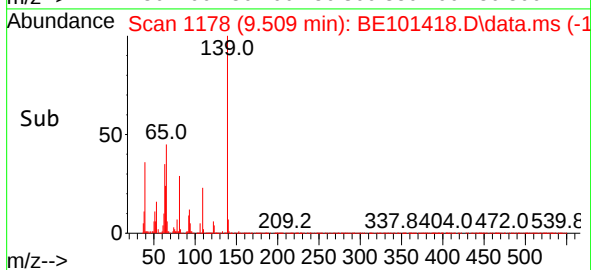
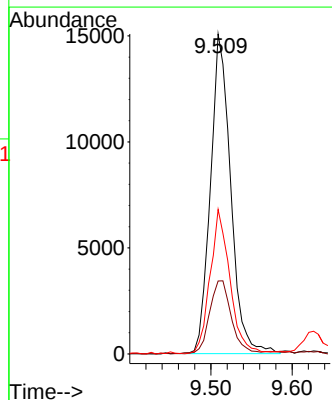
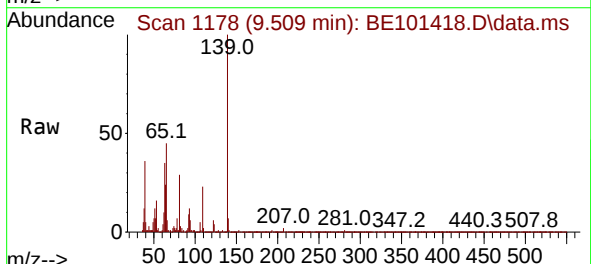
Manual Integrations
APPROVED

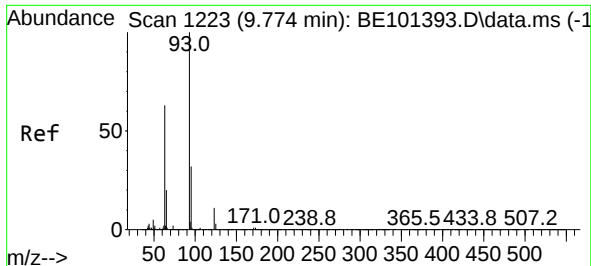
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#26
2-Nitrophenol
Concen: 3.104 ng
RT: 9.509 min Scan# 1178
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:139 Resp: 26126
Ion Ratio Lower Upper
139 100
109 22.8 20.1 30.1
65 45.1 36.0 54.0





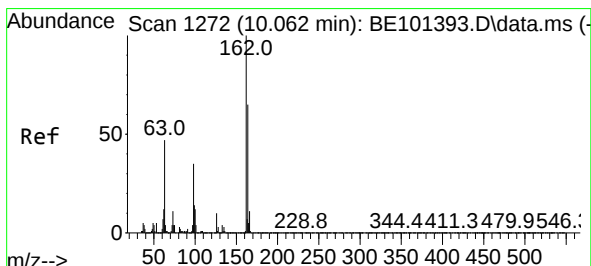
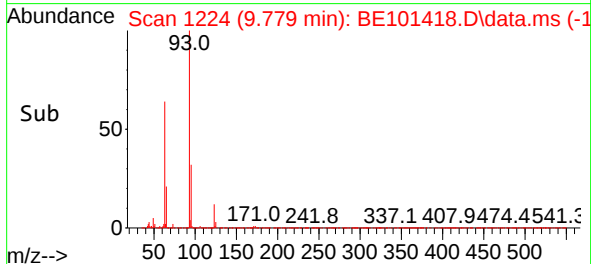
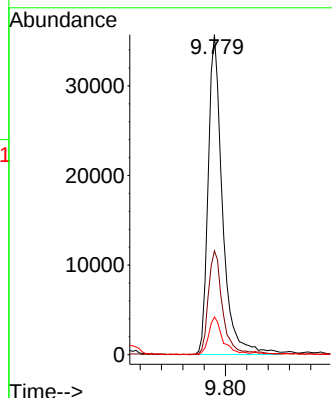
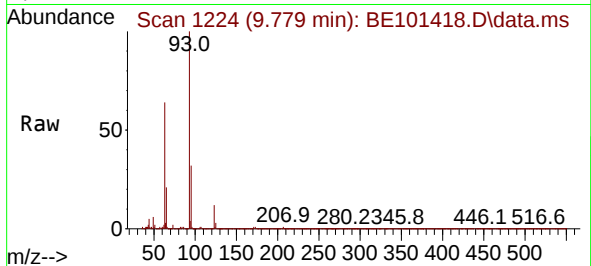
#28
bis(2-Chloroethoxy)methane
Concen: 3.438 ng
RT: 9.779 min Scan# 1223
Delta R.T. 0.005 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:	93	Resp:	6657
Ion Ratio	Lower	Upper	
93	100		
95	32.5	25.8	38.6
123	11.8	8.6	13.0

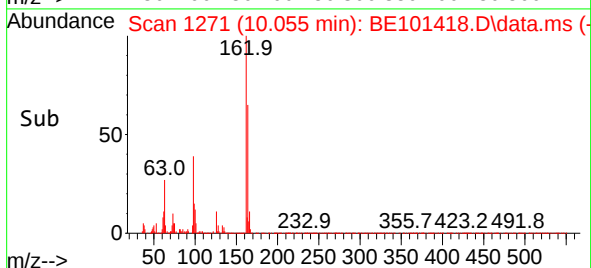
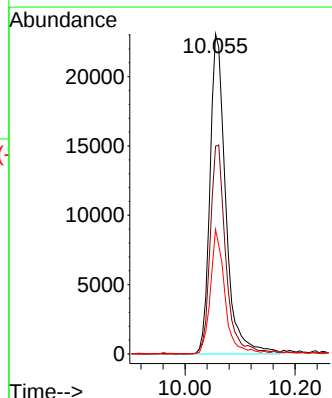
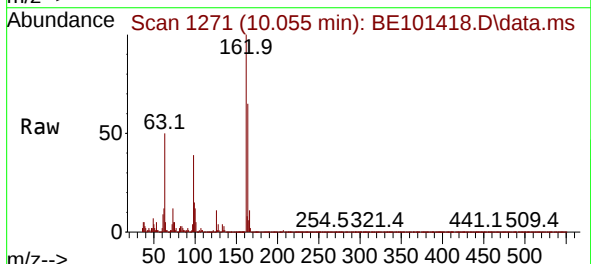
Manual Integrations
APPROVED

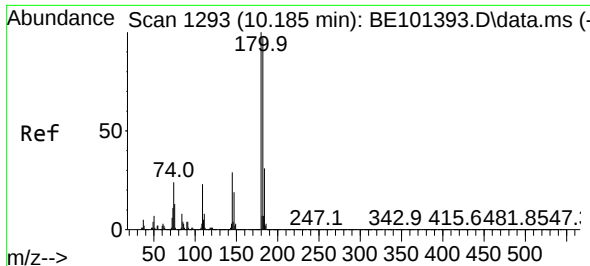
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#29
2,4-Dichlorophenol
Concen: 3.134 ng
RT: 10.055 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:	162	Resp:	45925
Ion Ratio	Lower	Upper	
162	100		
164	64.9	45.4	85.4
98	38.9	14.5	54.5





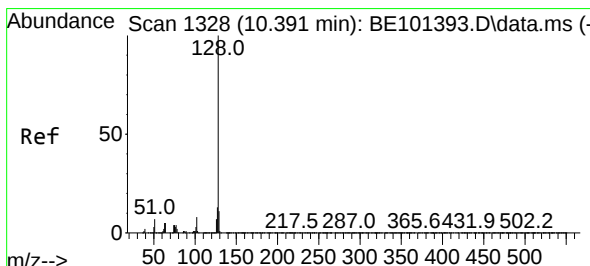
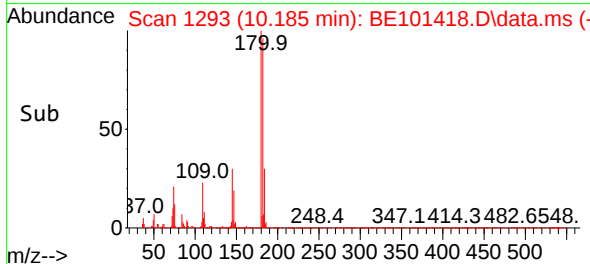
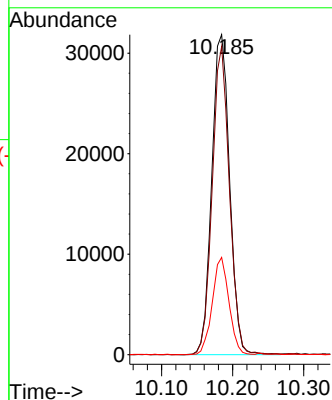
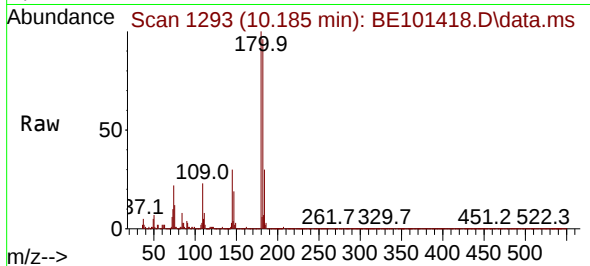
#30
1,2,4-Trichlorobenzene
Concen: 3.486 ng
RT: 10.185 min Scan# 1293
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:180 Resp: 5563
Ion Ratio Lower Upper
180 100
182 96.3 77.4 116.0
145 30.4 23.3 34.9

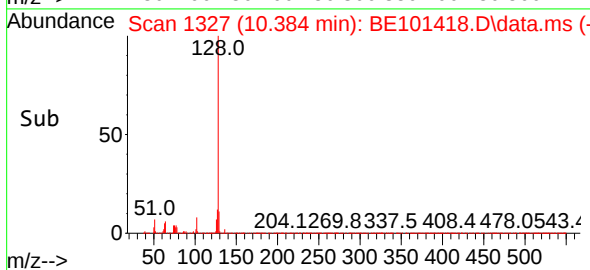
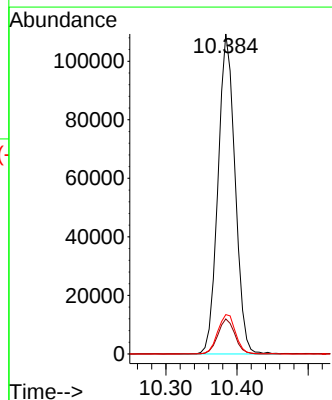
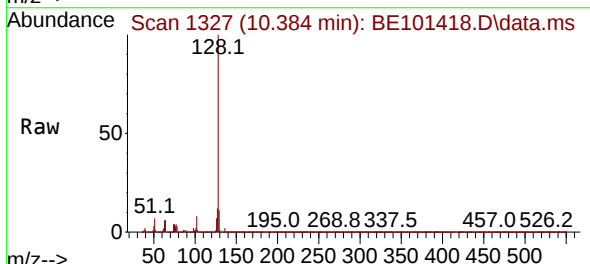
Manual Integrations
APPROVED

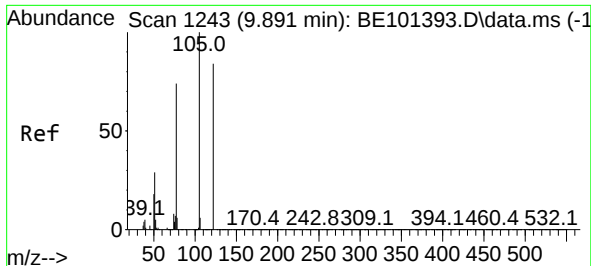
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#31
Naphthalene
Concen: 3.462 ng
RT: 10.384 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

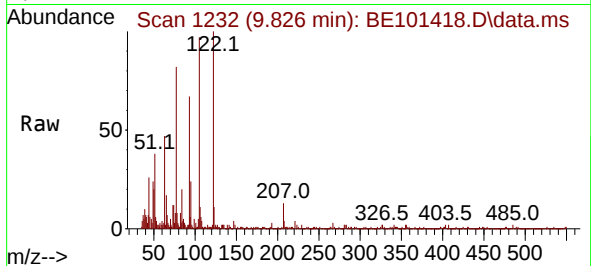
Tgt Ion:128 Resp: 181318
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.3 10.3 15.5





#32
Benzoic acid
Concen: 9.159 ng m
RT: 9.826 min Scan# 1232
Delta R.T. -0.065 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

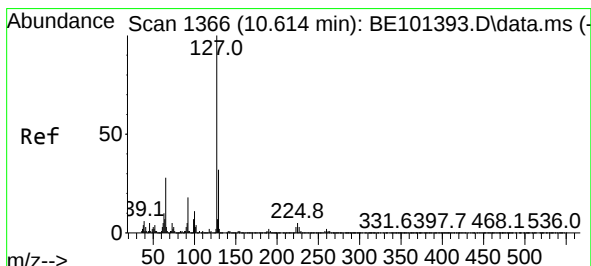
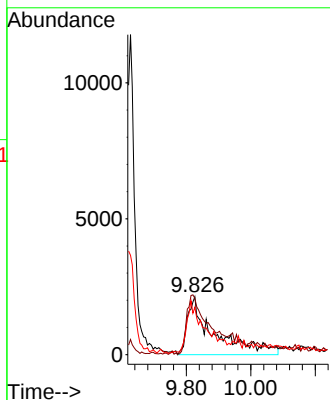
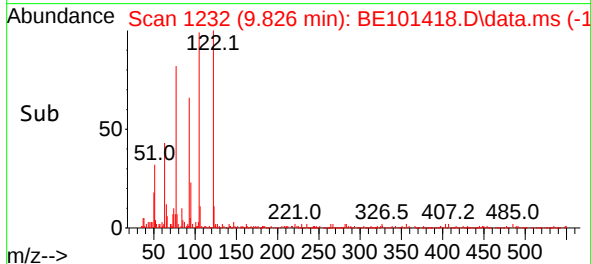
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:122 Resp: 1240
Ion Ratio Lower Upper
122 100
105 97.2 97.9 137.9
77 81.5 68.1 108.1

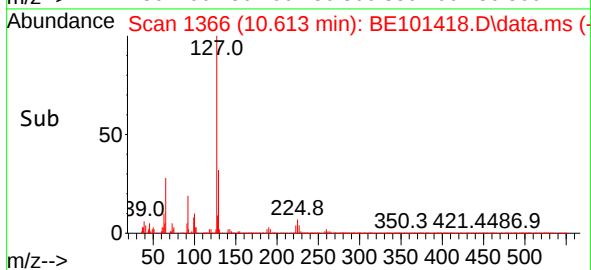
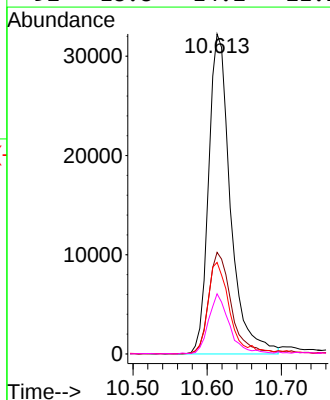
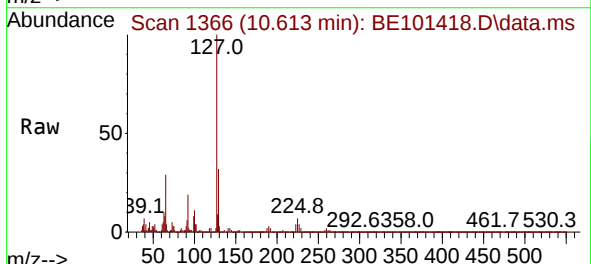
Manual Integrations
APPROVED

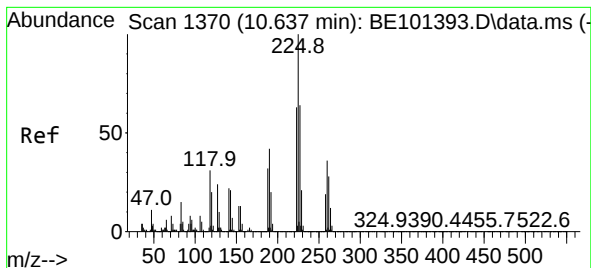
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#33
4-Chloroaniline
Concen: 3.626 ng
RT: 10.613 min Scan# 1366
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

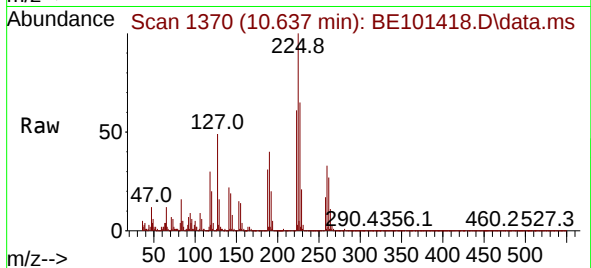
Tgt Ion:127 Resp: 66031
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 28.6 22.2 33.4
92 18.8 14.2 21.2





#34
Hexachlorobutadiene
Concen: 3.347 ng
RT: 10.637 min Scan# 11
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

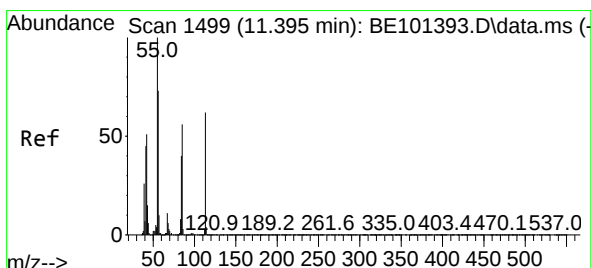
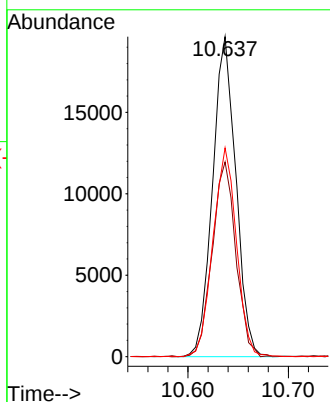
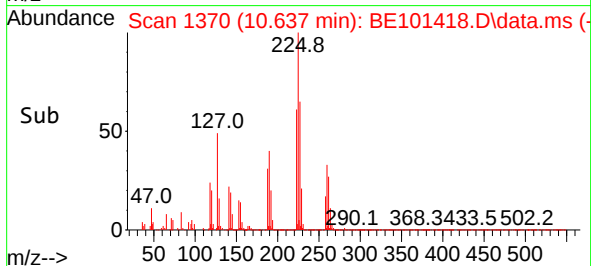
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:225 Resp: 3162
Ion Ratio Lower Upper
225 100
223 64.2 50.5 75.7
227 67.4 51.0 76.6

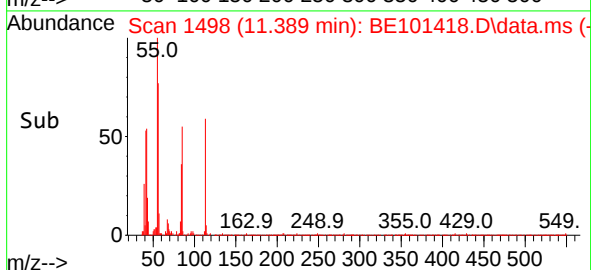
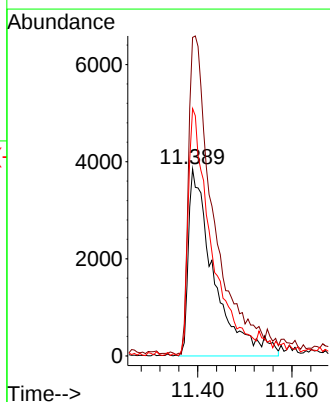
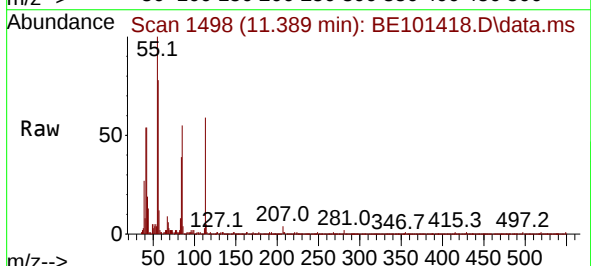
Manual Integrations
APPROVED

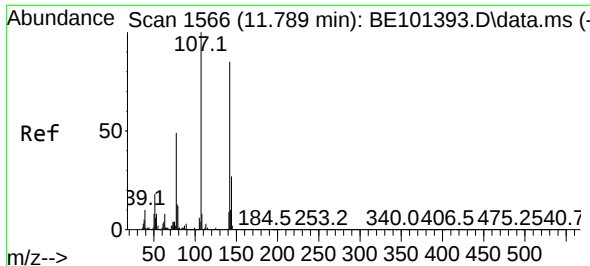
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#35
Caprolactam
Concen: 2.576 ng m
RT: 11.389 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

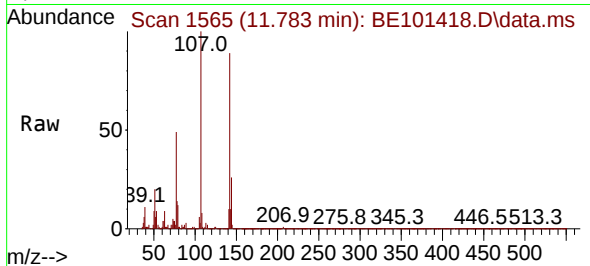
Tgt Ion:113 Resp: 14466
Ion Ratio Lower Upper
113 100
55 170.3 141.2 181.2
56 132.3 96.9 136.9





#36
4-Chloro-3-methylphenol
Concen: 2.954 ng
RT: 11.783 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

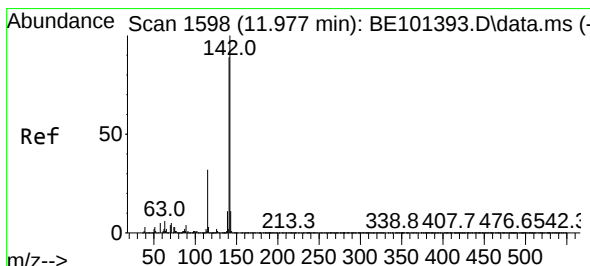
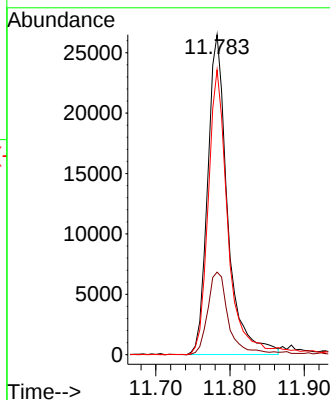
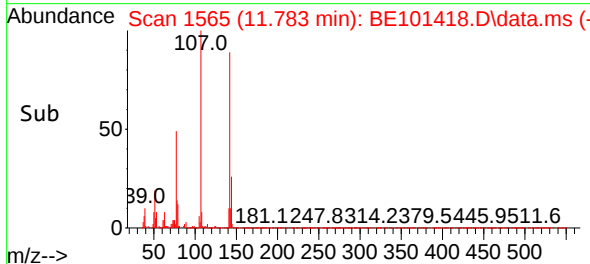
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:107 Resp: 49280
Ion Ratio Lower Upper
107 100
144 25.8 21.9 32.9
142 89.0 68.0 102.0

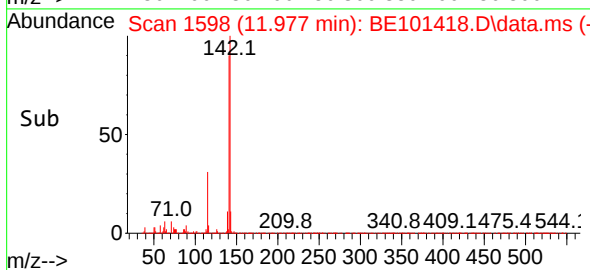
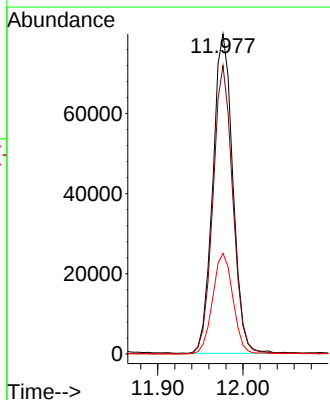
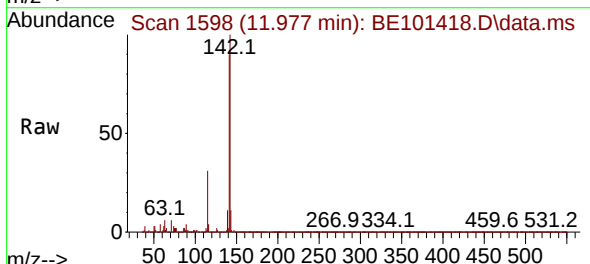
Manual Integrations
APPROVED

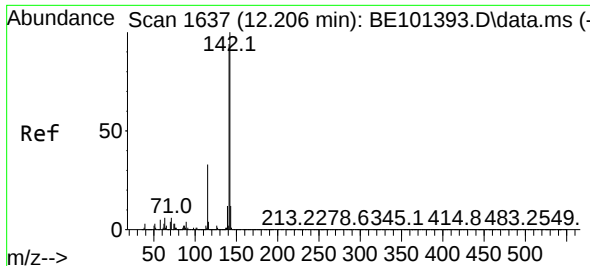
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#37
2-Methylnaphthalene
Concen: 3.444 ng
RT: 11.977 min Scan# 1598
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:142 Resp: 129926
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.2
115 31.5 25.6 38.4





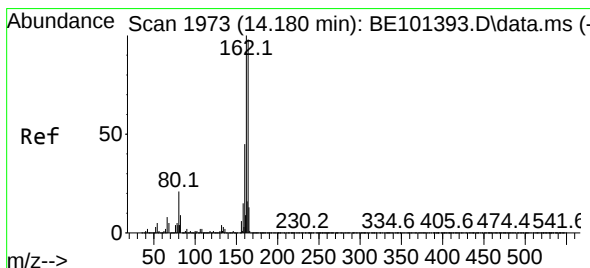
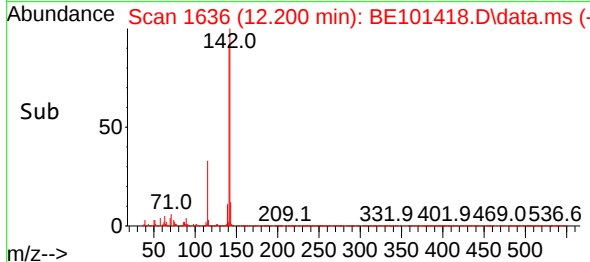
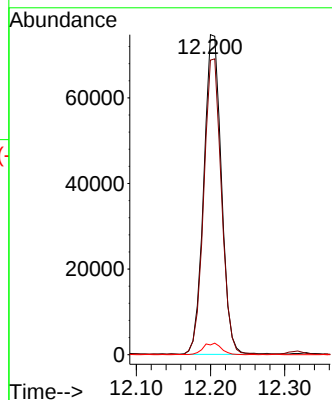
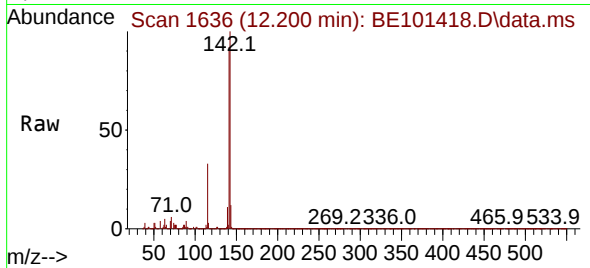
#38
1-Methylnaphthalene
Concen: 3.264 ng
RT: 12.200 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:142 Resp: 12291
Ion Ratio Lower Upper
142 100
141 92.1 75.0 112.4
116 3.1 2.9 4.3

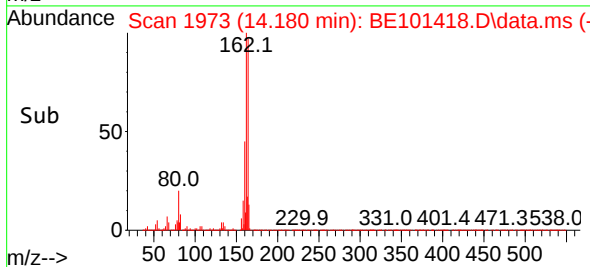
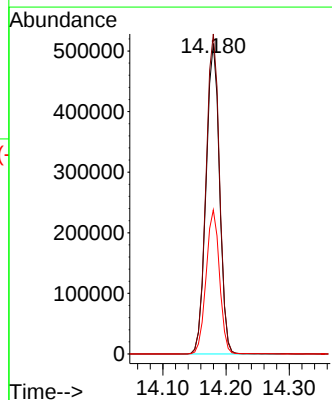
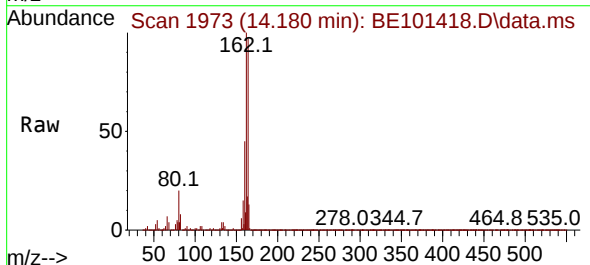
Manual Integrations
APPROVED

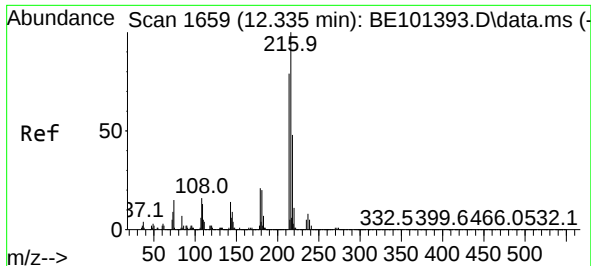
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.180 min Scan# 1973
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

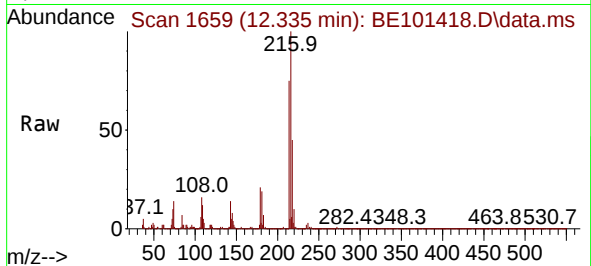
Tgt Ion:164 Resp: 755754
Ion Ratio Lower Upper
164 100
162 103.1 81.3 121.9
160 46.4 36.4 54.6





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.517 ng
RT: 12.335 min Scan# 1659
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

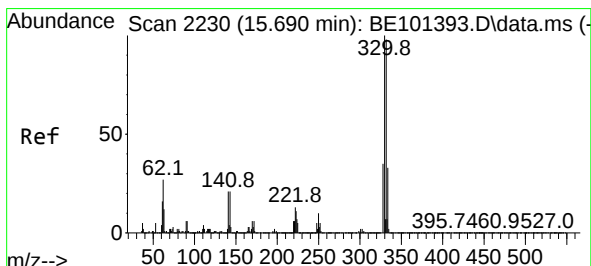
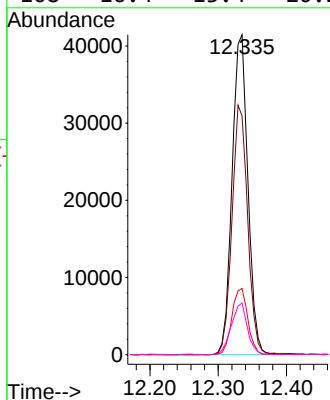
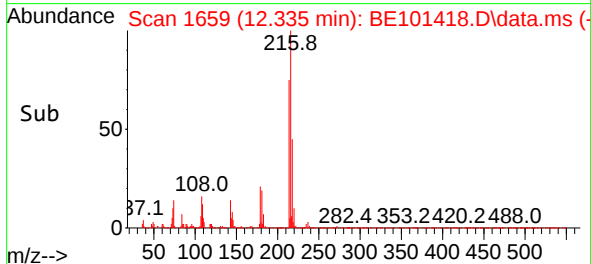
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:216 Resp: 66724
Ion Ratio Lower Upper
216 100
214 77.4 63.0 94.4
179 20.9 16.7 25.1
108 16.4 13.4 20.2

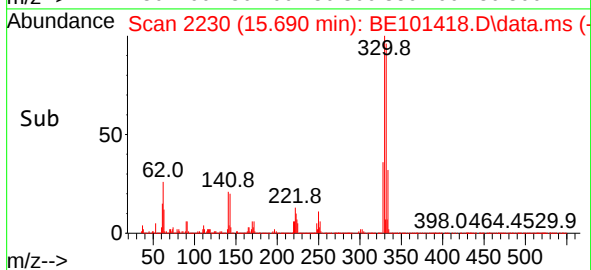
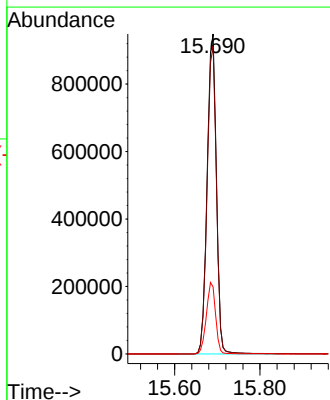
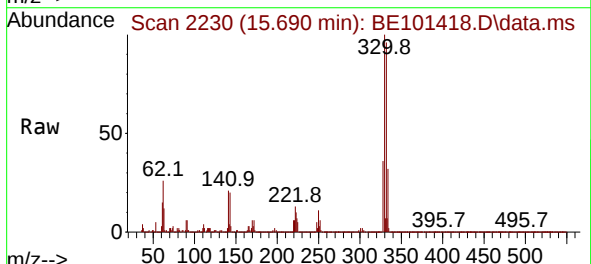
Manual Integrations
APPROVED

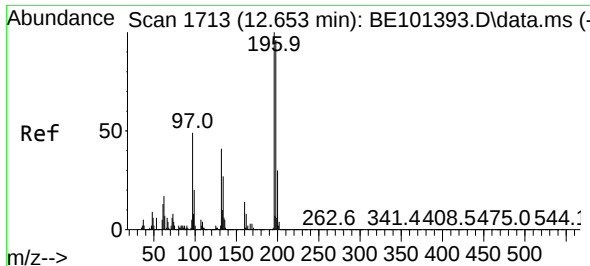
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#42
2,4,6-Tribromophenol
Concen: 107.910 ng
RT: 15.690 min Scan# 2230
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:330 Resp: 1429363
Ion Ratio Lower Upper
330 100
332 96.4 78.2 117.2
141 22.3 18.3 27.5





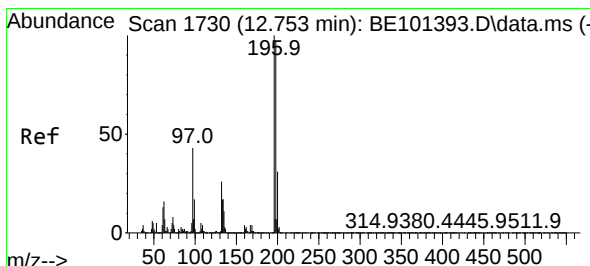
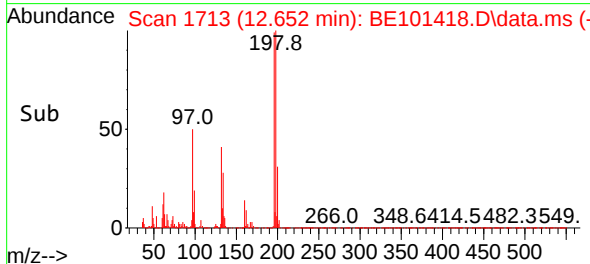
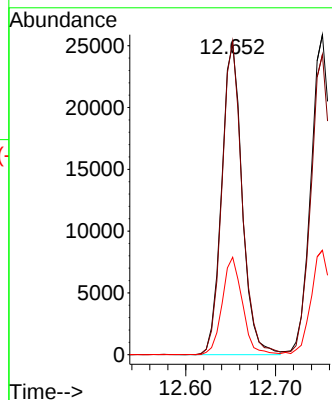
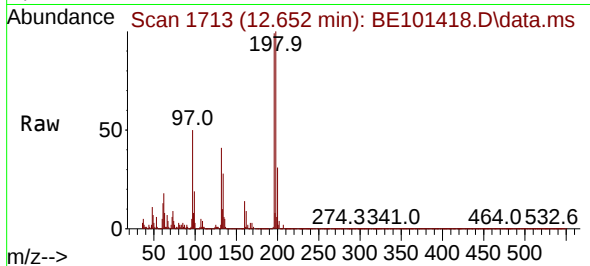
#43
2,4,6-Trichlorophenol
Concen: 3.046 ng
RT: 12.652 min Scan# 1713
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:196 Resp: 3984
Ion Ratio Lower Upper
196 100
198 100.9 76.6 115.0
200 31.3 24.1 36.1

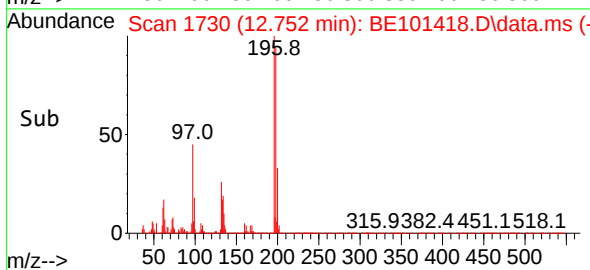
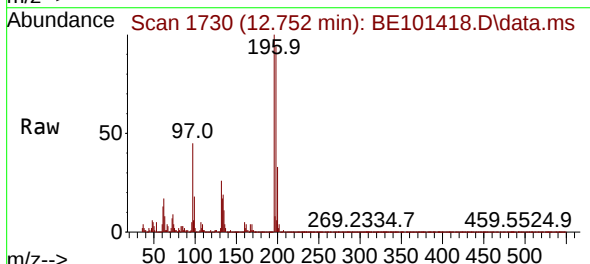
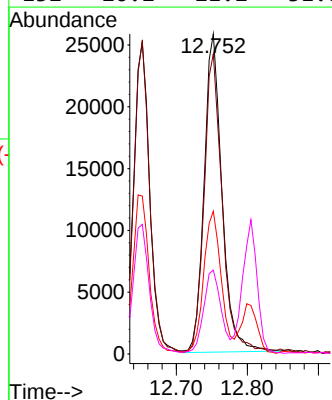
Manual Integrations
APPROVED

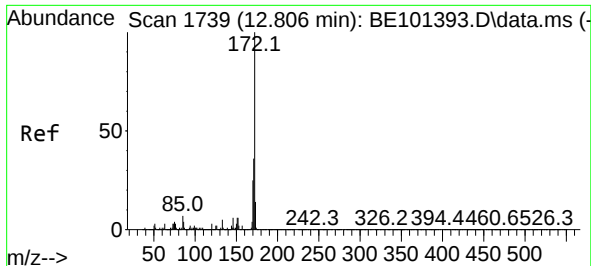
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#44
2,4,5-Trichlorophenol
Concen: 3.012 ng
RT: 12.752 min Scan# 1730
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

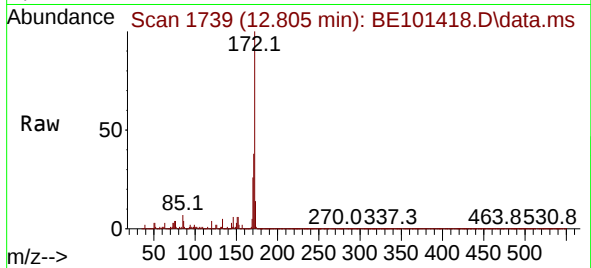
Tgt Ion:196 Resp: 45115
Ion Ratio Lower Upper
196 100
198 93.8 77.4 116.0
97 44.6 34.8 52.2
132 26.2 21.2 31.8





#45
2-Fluorobiphenyl
Concen: 70.183 ng
RT: 12.805 min Scan# 1739
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

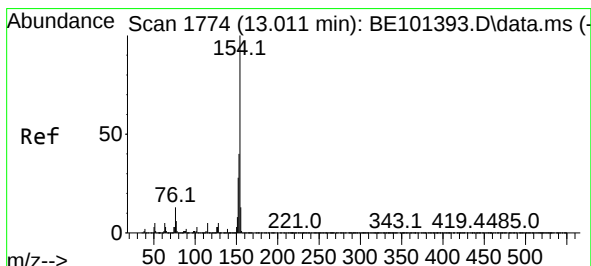
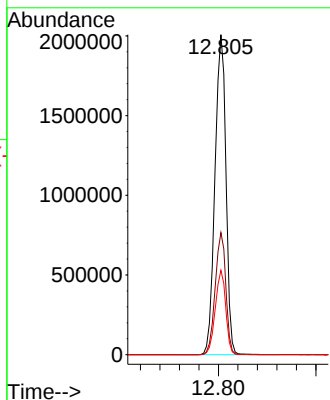
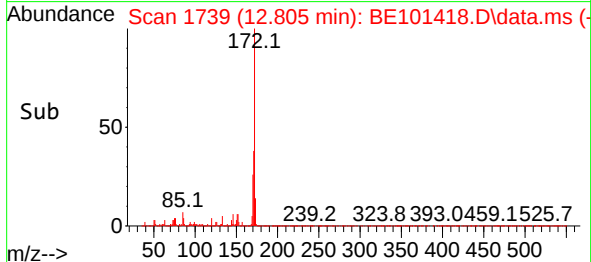
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:172 Resp: 3131990
Ion Ratio Lower Upper
172 100
171 38.1 29.2 43.8
170 26.4 19.8 29.6

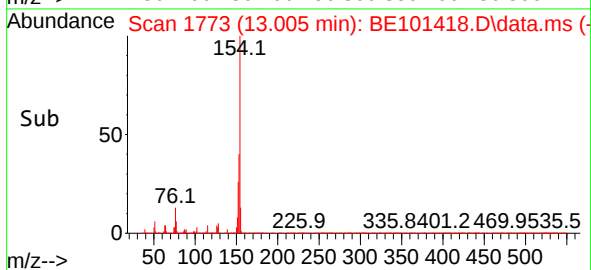
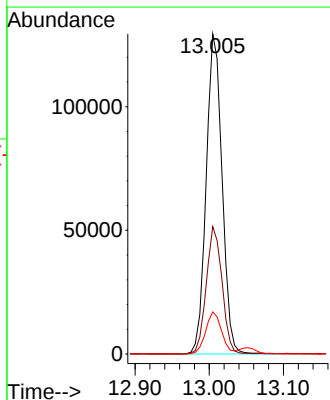
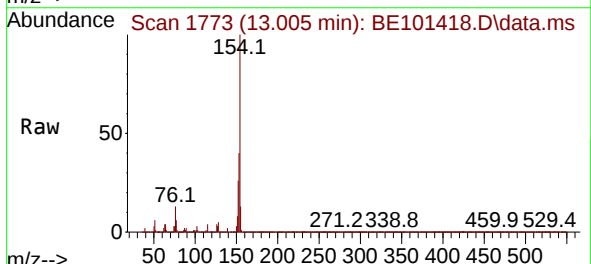
Manual Integrations
APPROVED

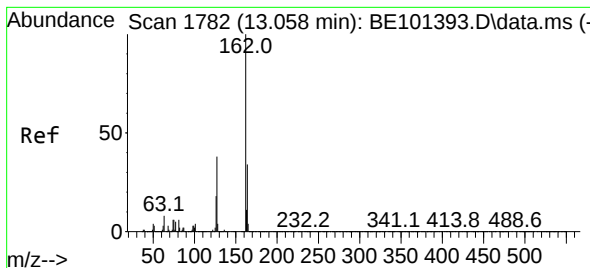
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#46
1,1'-Biphenyl
Concen: 3.722 ng
RT: 13.005 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:154 Resp: 192743
Ion Ratio Lower Upper
154 100
153 39.8 20.3 60.3
76 13.1 0.0 32.6





#47

2-Chloronaphthalene

Concen: 3.385 ng

RT: 13.052 min Scan# 1

Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Instrument :

BNA_E

ClientSampleId :

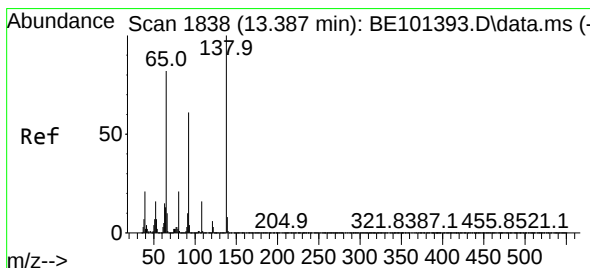
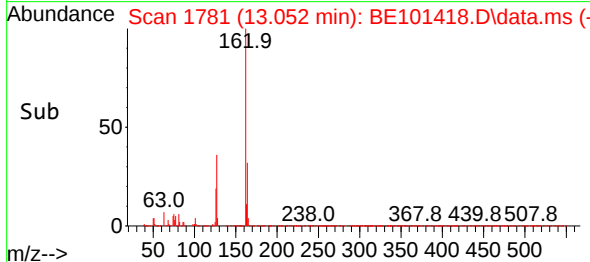
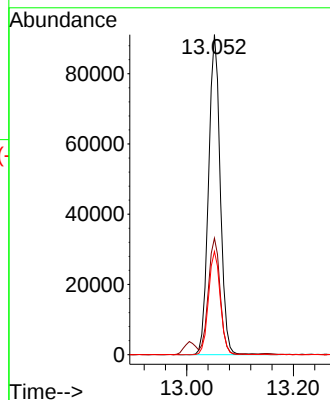
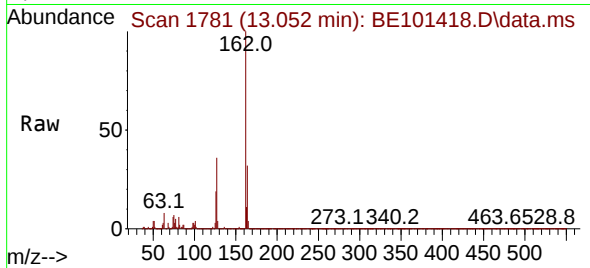
MDL-SOIL-03-QT4-2024

Tgt Ion:	162	Resp:	13846
Ion Ratio	Lower	Upper	
162	100		
127	36.4	30.4	45.6
164	32.3	27.0	40.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#48

2-Nitroaniline

Concen: 2.637 ng

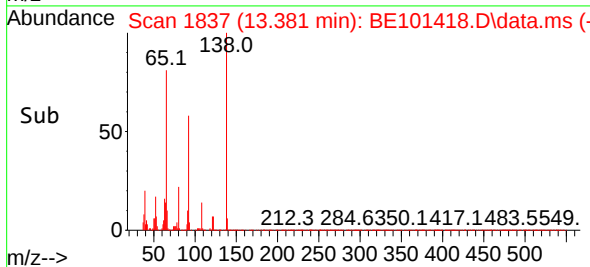
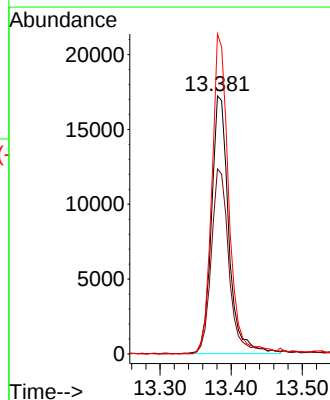
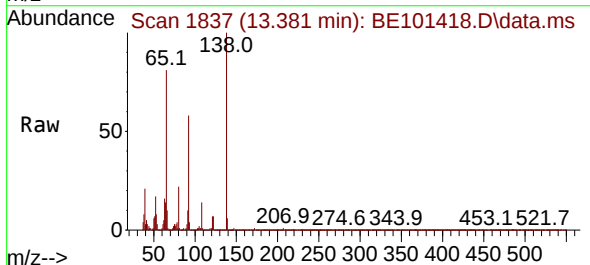
RT: 13.381 min Scan# 1837

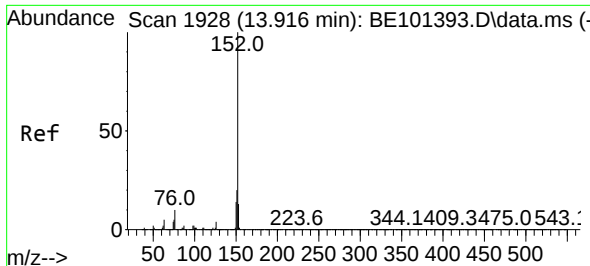
Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Tgt Ion:	65	Resp:	29035
Ion Ratio	Lower	Upper	
65	100		
92	71.8	59.0	88.4
138	124.0	97.4	146.0





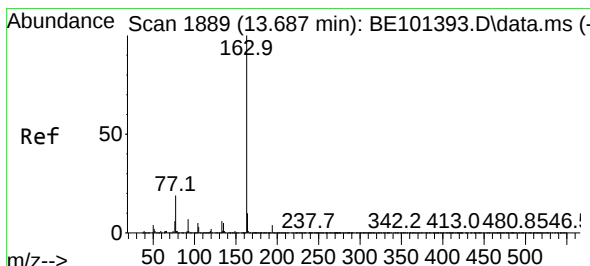
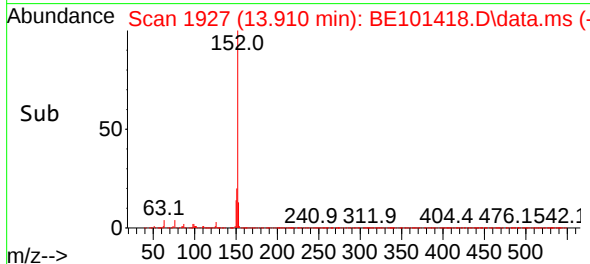
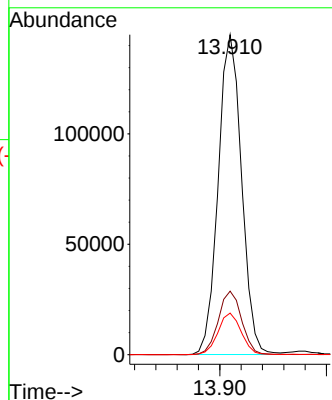
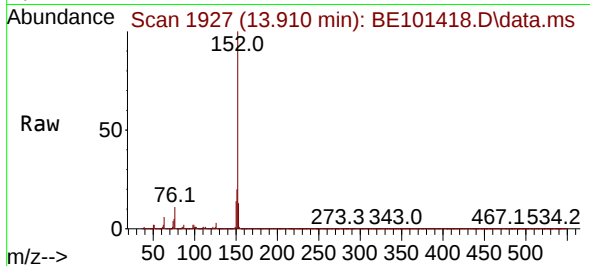
#49
Acenaphthylene
Concen: 3.639 ng
RT: 13.910 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:152 Resp: 220162
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.4
153 13.0 10.5 15.7

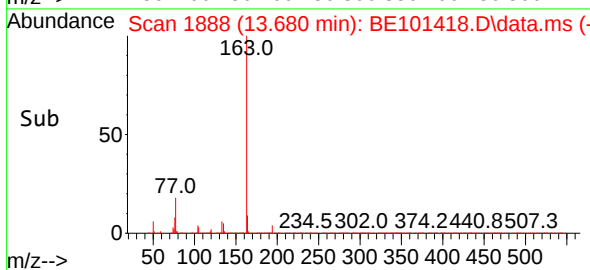
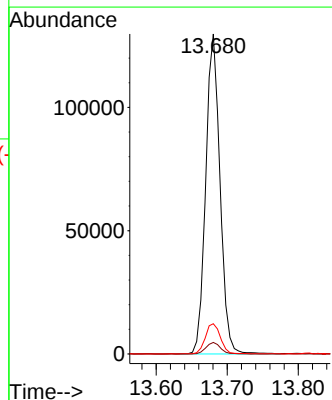
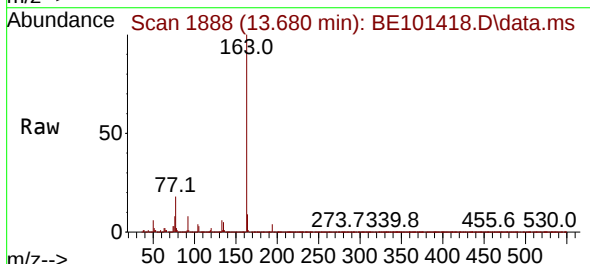
Manual Integrations
APPROVED

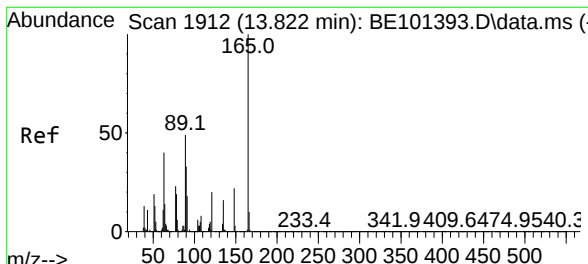
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#50
Dimethylphthalate
Concen: 3.406 ng
RT: 13.680 min Scan# 1888
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:163 Resp: 181722
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.4 8.4 12.6





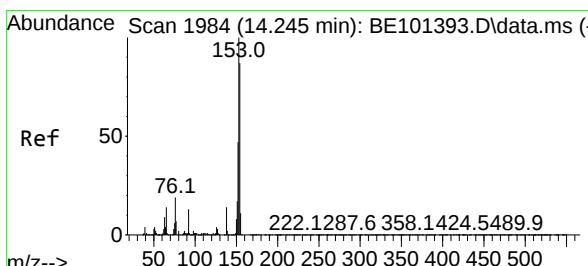
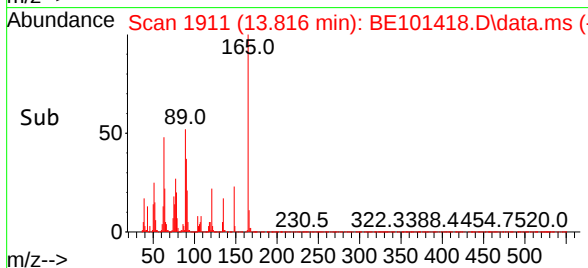
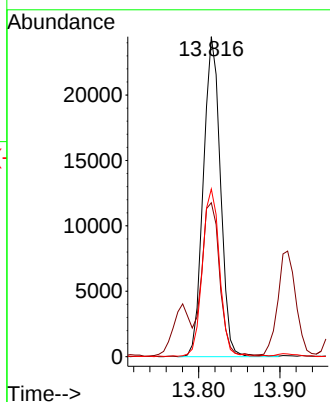
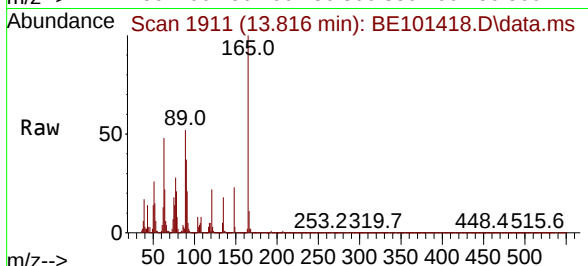
#51
2,6-Dinitrotoluene
Concen: 2.894 ng
RT: 13.816 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:	165	Resp:	3564
Ion Ratio	Lower	Upper	
165	100		
63	48.1	38.0	57.0
89	52.4	39.5	59.3

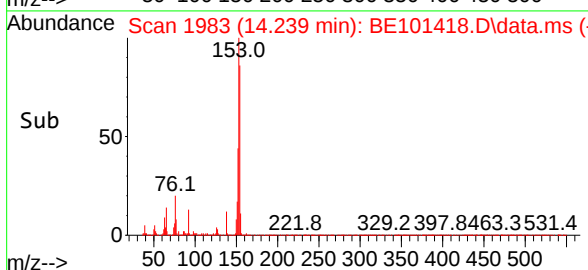
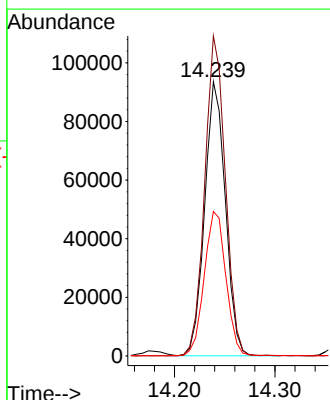
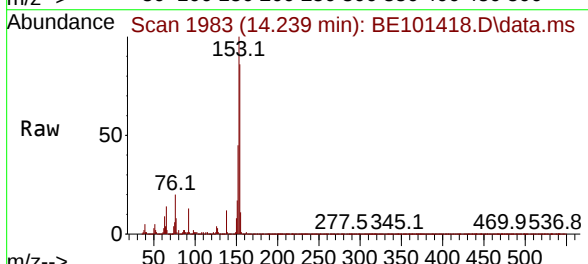
Manual Integrations
APPROVED

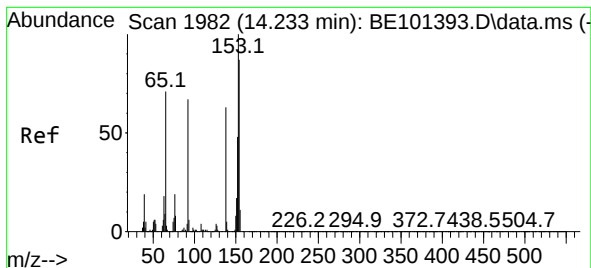
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#52
Acenaphthene
Concen: 3.403 ng
RT: 14.239 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:	154	Resp:	134423
Ion Ratio	Lower	Upper	
154	100		
153	116.7	91.8	137.6
152	52.7	43.1	64.7





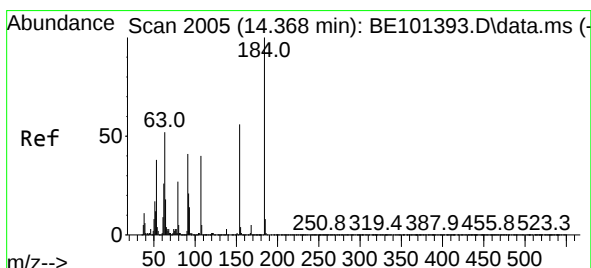
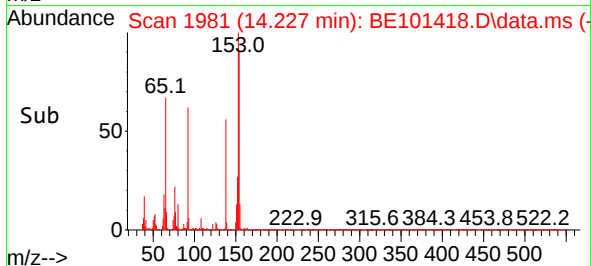
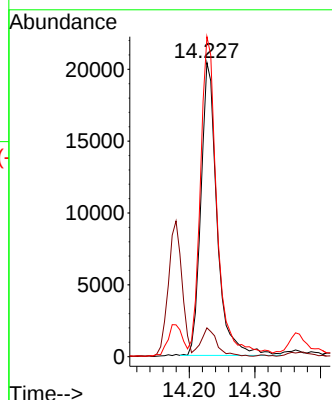
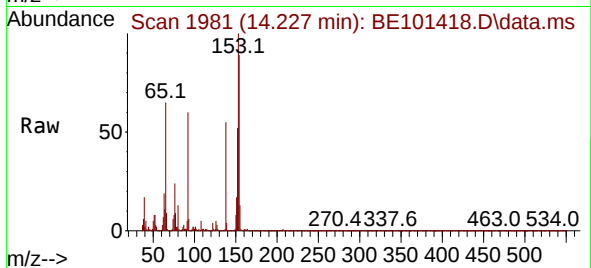
#53
3-Nitroaniline
Concen: 2.860 ng
RT: 14.227 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:138 Resp: 3502
Ion Ratio Lower Upper
138 100
108 9.8 7.1 10.7
92 108.8 84.4 126.6

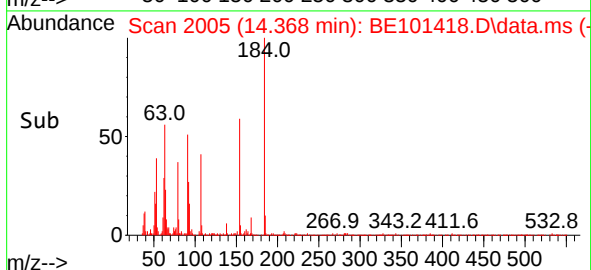
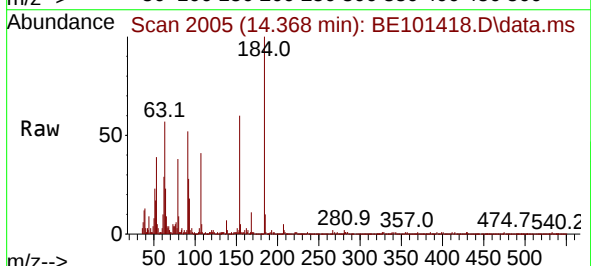
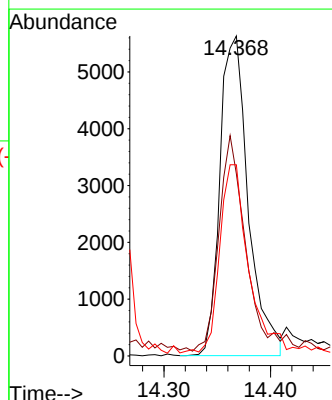
Manual Integrations
APPROVED

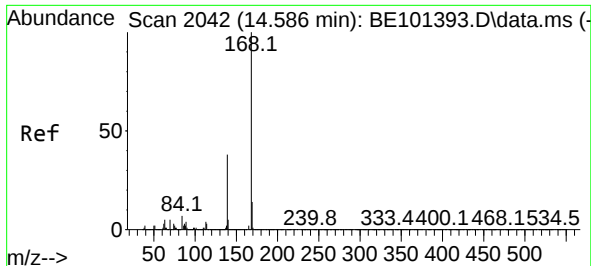
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#54
2,4-Dinitrophenol
Concen: 6.720 ng
RT: 14.368 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:184 Resp: 10388
Ion Ratio Lower Upper
184 100
63 57.0 41.8 62.6
154 59.7 44.9 67.3





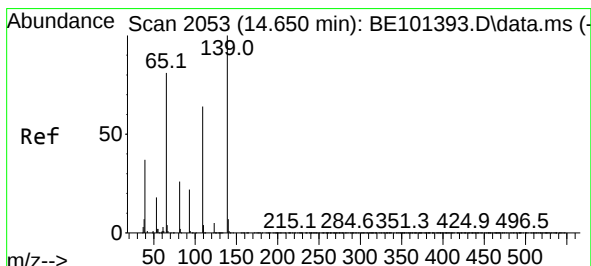
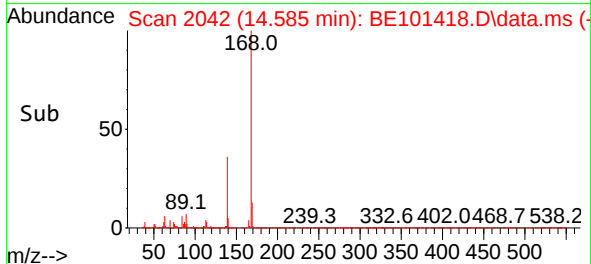
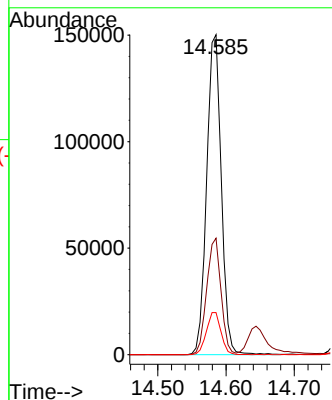
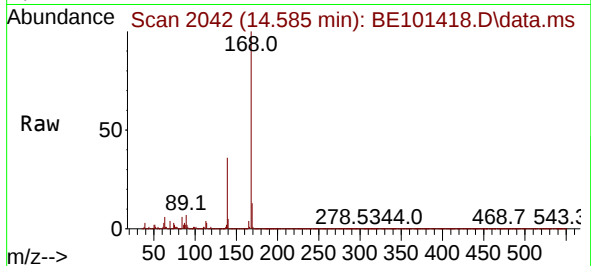
#55
Dibenzenofuran
Concen: 3.554 ng
RT: 14.585 min Scan# 2042
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:168 Resp: 22374
Ion Ratio Lower Upper
168 100
139 36.4 30.2 45.4
169 13.2 11.0 16.4

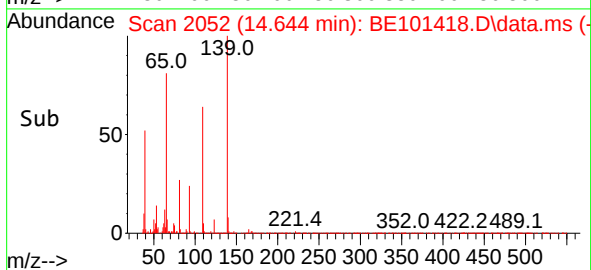
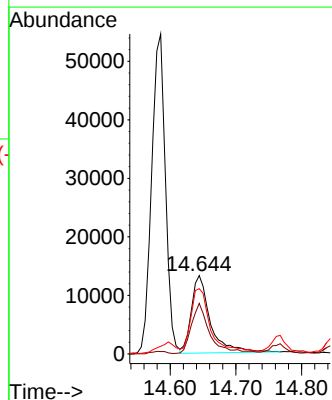
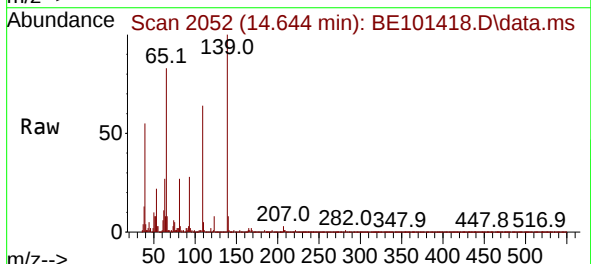
Manual Integrations
APPROVED

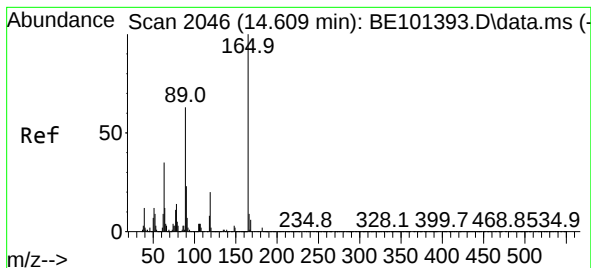
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#56
4-Nitrophenol
Concen: 2.368 ng
RT: 14.644 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

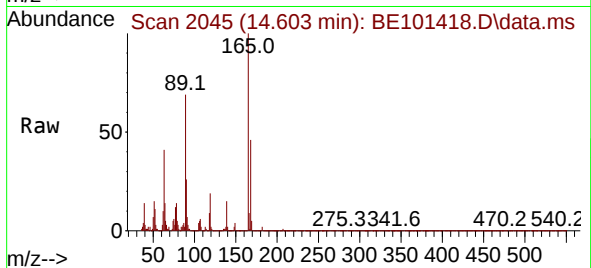
Tgt Ion:139 Resp: 26553
Ion Ratio Lower Upper
139 100
109 64.4 42.4 82.4
65 83.2 63.4 103.4





#57
2,4-Dinitrotoluene
Concen: 2.683 ng
RT: 14.603 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

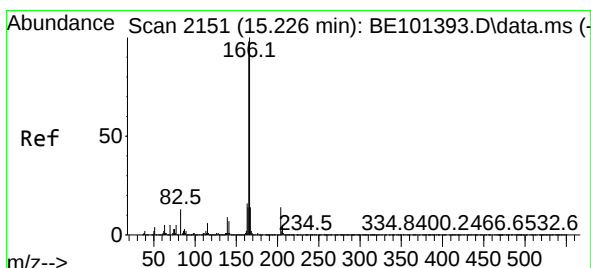
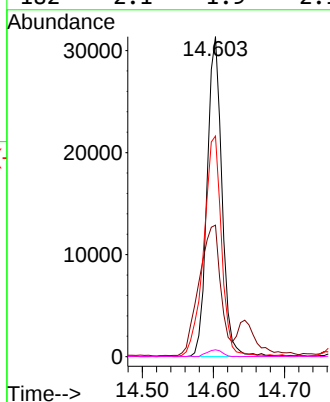
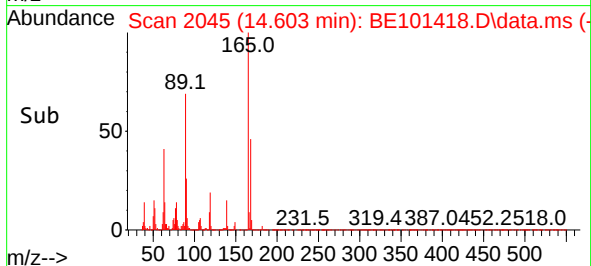
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 4550
Ion Ratio Lower Upper
165 100
63 41.1 28.6 42.8
89 68.9 50.8 76.2
182 2.1 1.9 2.9

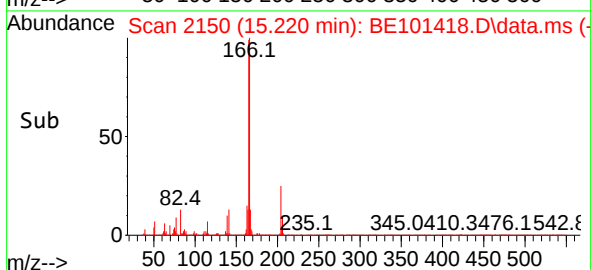
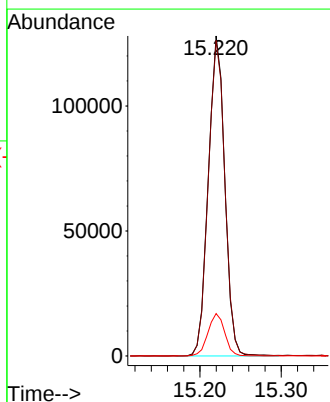
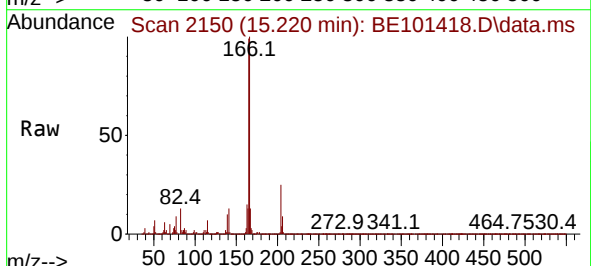
Manual Integrations
APPROVED

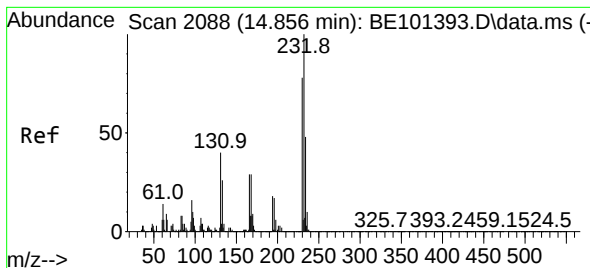
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#58
Fluorene
Concen: 3.414 ng
RT: 15.220 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

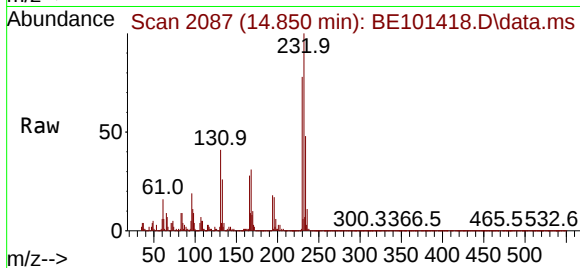
Tgt Ion:166 Resp: 179795
Ion Ratio Lower Upper
166 100
165 98.6 78.7 118.1
167 13.2 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.320 ng
RT: 14.850 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

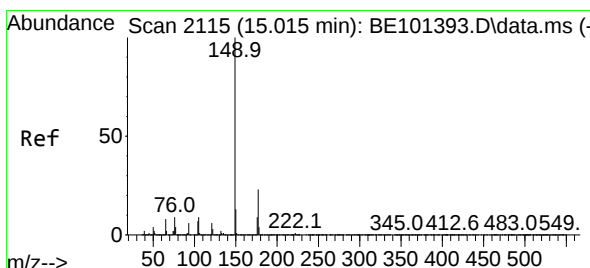
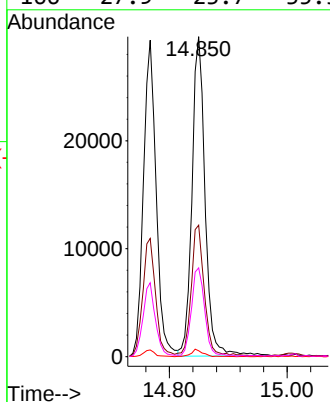
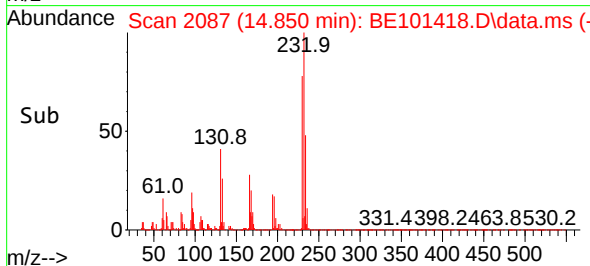
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:232 Resp: 45949
Ion Ratio Lower Upper
232 100
131 41.6 33.5 50.3
130 2.1 1.6 2.4
166 27.9 23.7 35.5

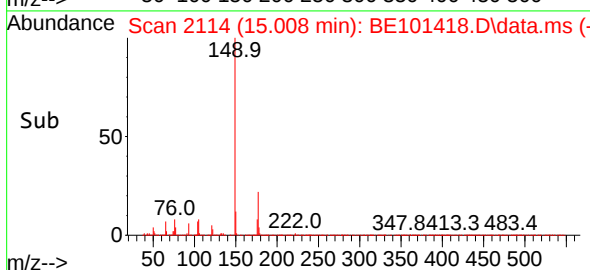
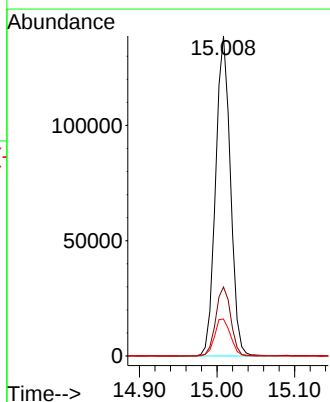
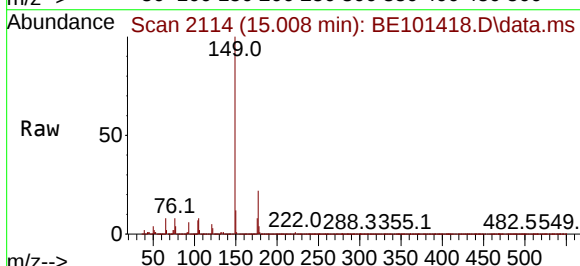
Manual Integrations
APPROVED

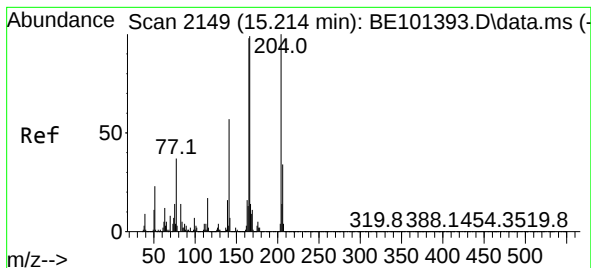
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#60
Diethylphthalate
Concen: 3.304 ng
RT: 15.008 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:149 Resp: 184379
Ion Ratio Lower Upper
149 100
177 21.6 18.0 27.0
150 11.6 10.3 15.5





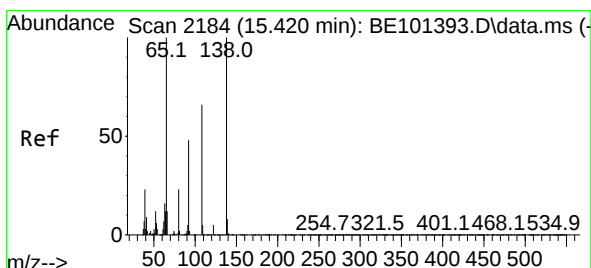
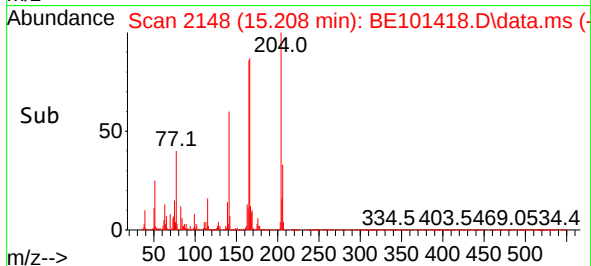
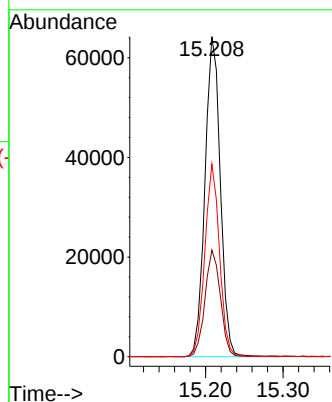
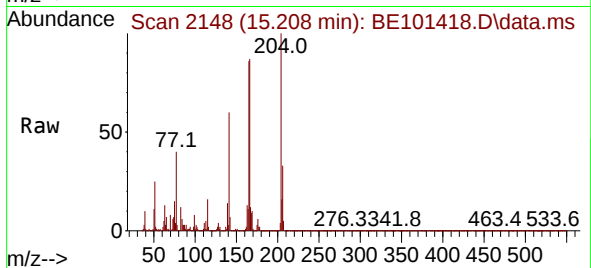
#61
4-Chlorophenyl-phenylether
Concen: 3.384 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:204 Resp: 88438
Ion Ratio Lower Upper
204 100
206 33.3 26.9 40.3
141 60.2 45.9 68.9

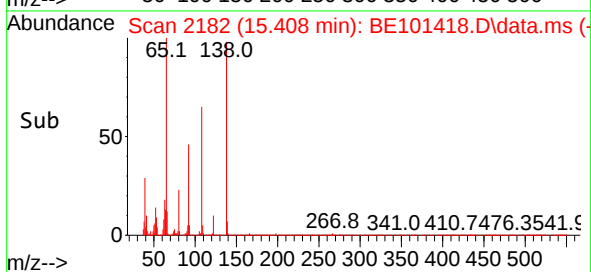
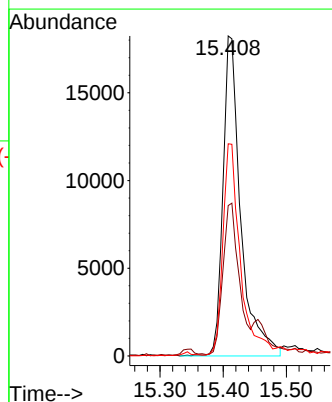
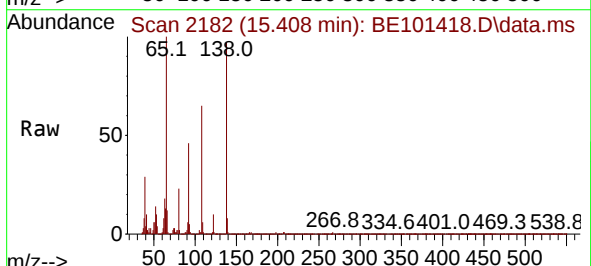
Manual Integrations
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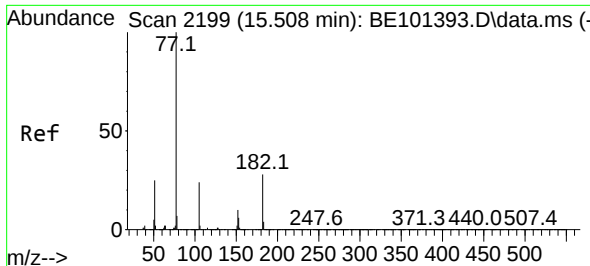
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#62
4-Nitroaniline
Concen: 2.606 ng
RT: 15.408 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

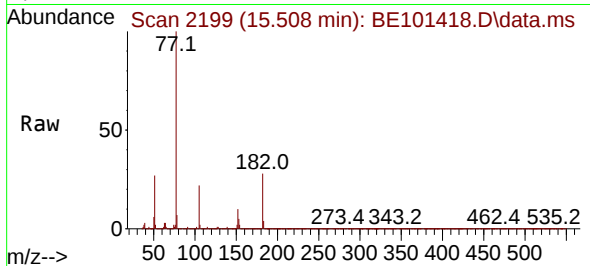
Tgt Ion:138 Resp: 35518
Ion Ratio Lower Upper
138 100
92 47.0 28.7 68.7
108 66.3 46.5 86.5





#63
Azobenzene
Concen: 3.442 ng
RT: 15.508 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

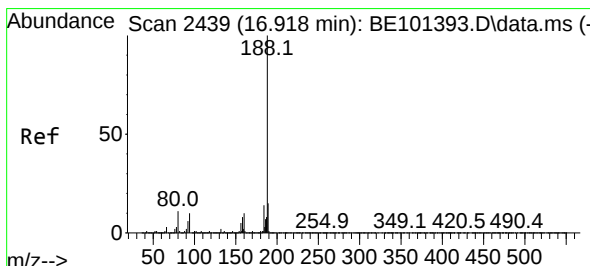
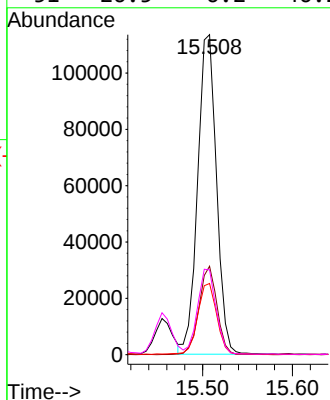
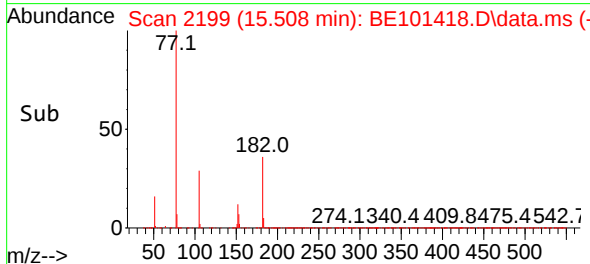
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:	77	Resp:	16508
Ion Ratio	100	Lower	Upper
77	100		
182	27.6	7.6	47.6
105	22.2	3.2	43.2
51	26.5	6.2	46.2

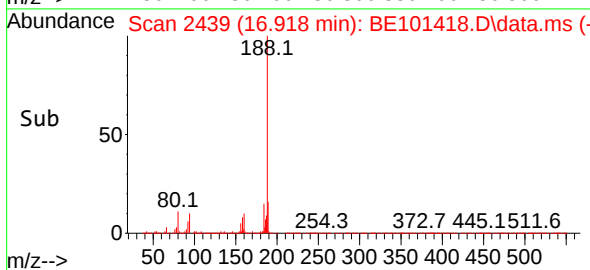
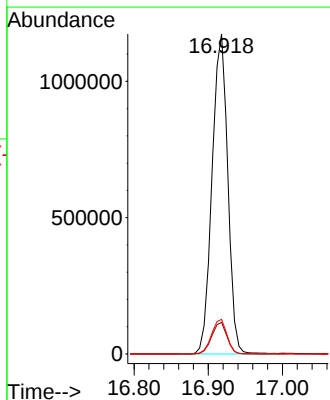
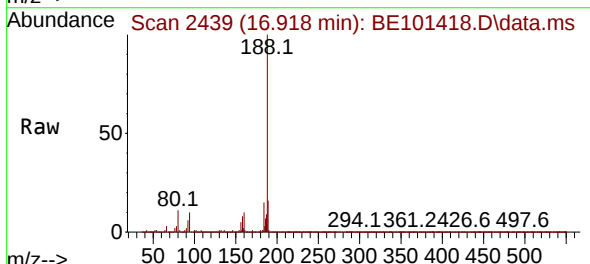
Manual Integrations
APPROVED

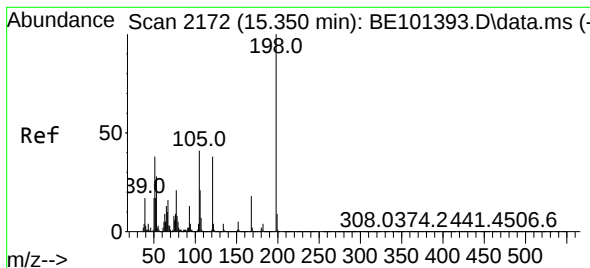
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:	188	Resp:	1722994
Ion Ratio	100	Lower	Upper
188	100		
94	9.8	7.8	11.8
80	10.8	8.6	12.8





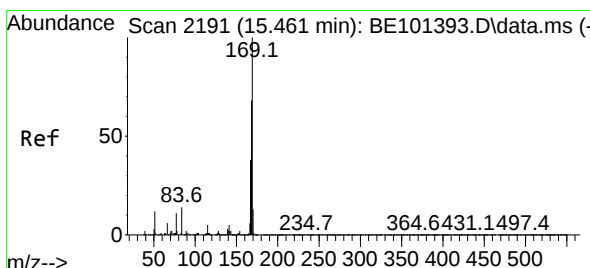
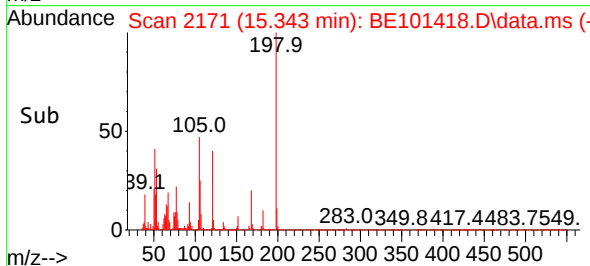
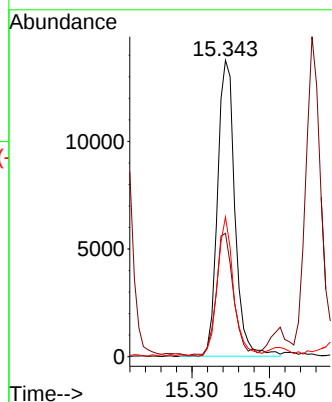
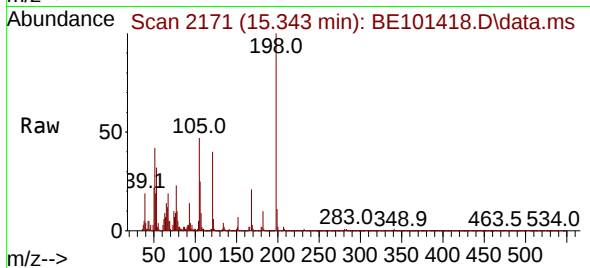
#65
4,6-Dinitro-2-methylphenol
Concen: 2.114 ng
RT: 15.343 min Scan# 2171
Delta R.T. -0.007 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:198 Resp: 2140
Ion Ratio Lower Upper
198 100
51 41.6 18.2 58.2
105 47.1 21.5 61.5

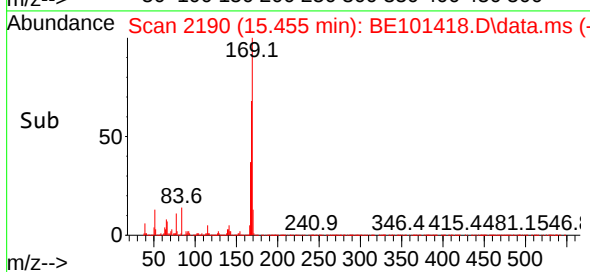
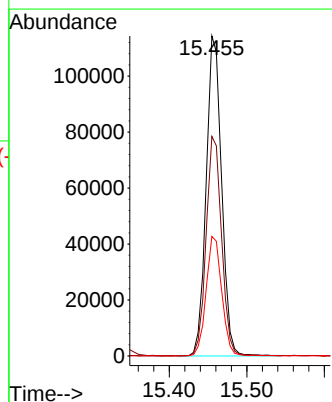
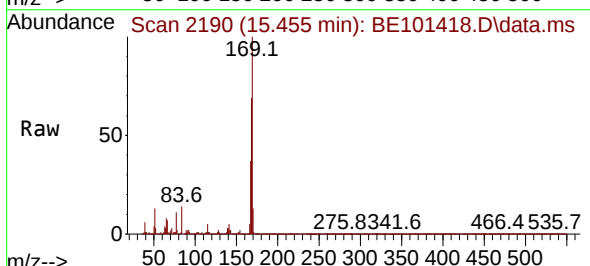
Manual Integrations
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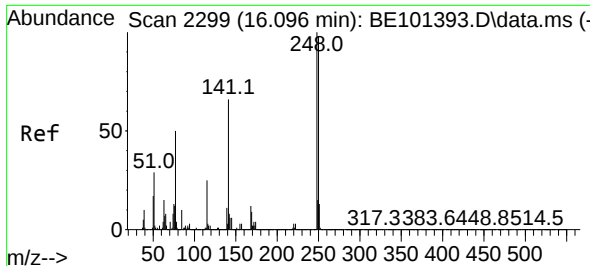
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#66
n-Nitrosodiphenylamine
Concen: 3.453 ng
RT: 15.455 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

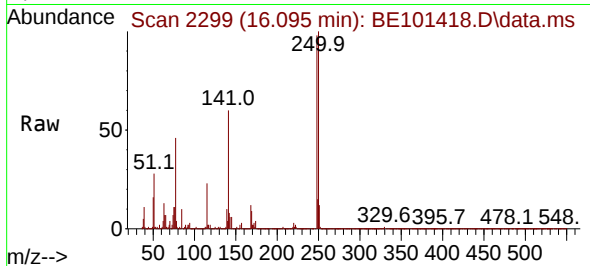
Tgt Ion:169 Resp: 157792
Ion Ratio Lower Upper
169 100
168 68.6 54.5 81.7
167 37.4 30.4 45.6





#67
4-Bromophenyl-phenylether
Concen: 3.357 ng
RT: 16.095 min Scan# 2299
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

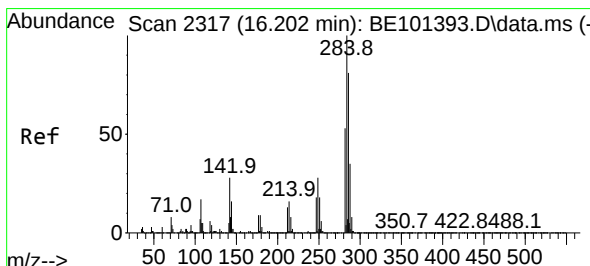
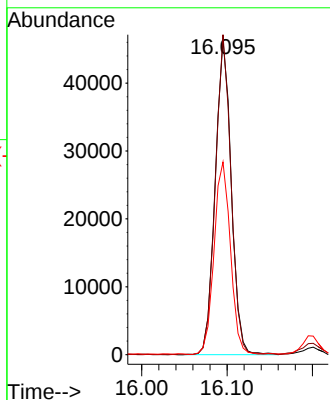
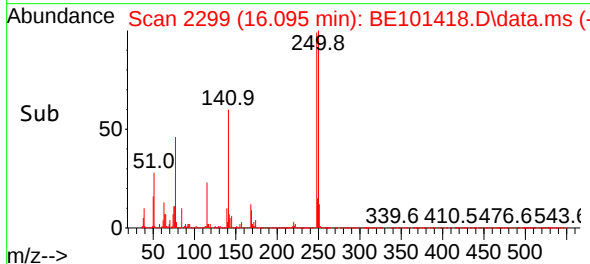
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:248 Resp: 60830
Ion Ratio Lower Upper
248 100
250 101.7 78.2 117.2
141 61.2 53.0 79.4

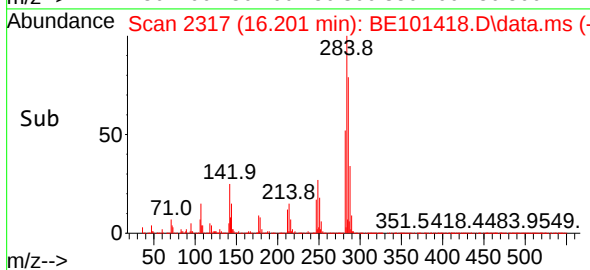
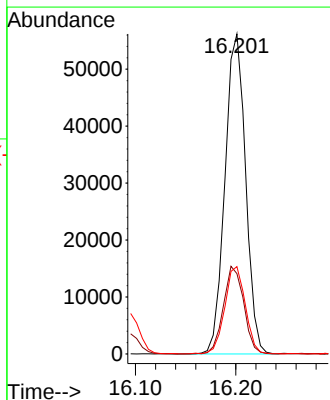
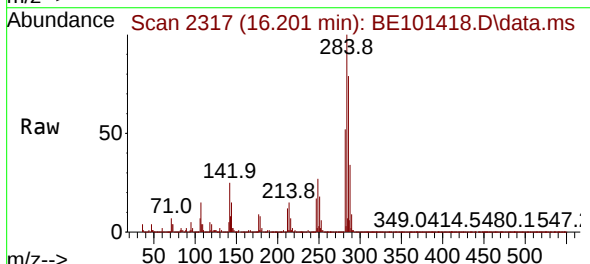
Manual Integrations
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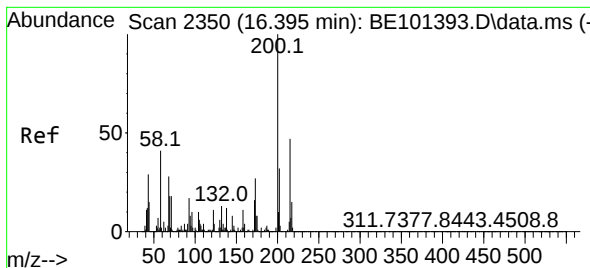
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#68
Hexachlorobenzene
Concen: 3.380 ng
RT: 16.201 min Scan# 2317
Delta R.T. -0.001 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:284 Resp: 80288
Ion Ratio Lower Upper
284 100
142 25.1 22.2 33.2
249 27.3 22.8 34.2





#69

Atrazine

Concen: 4.029 ng

RT: 16.389 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Instrument :

BNA_E

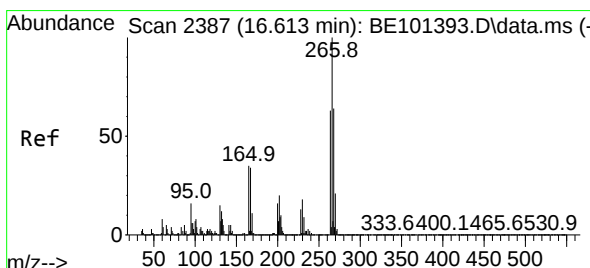
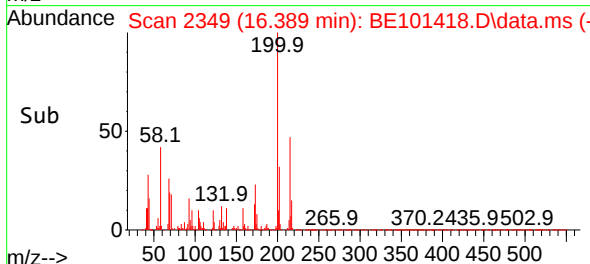
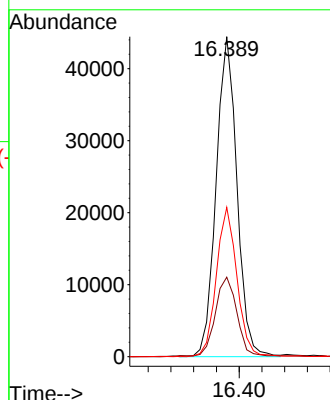
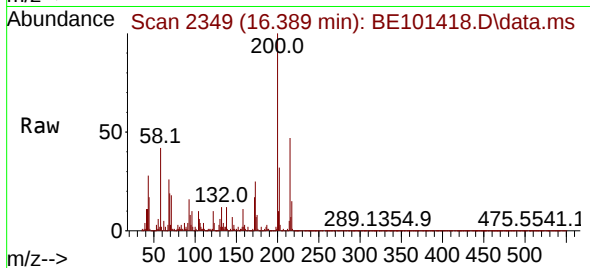
ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:200 Resp: 5644
 Ion Ratio Lower Upper
 200 100
 173 24.8 7.0 47.0
 215 46.7 27.3 67.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#70

Pentachlorophenol

Concen: 2.574 ng

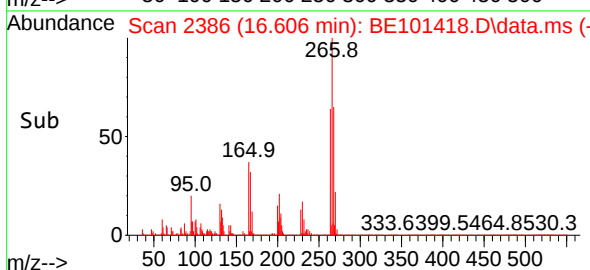
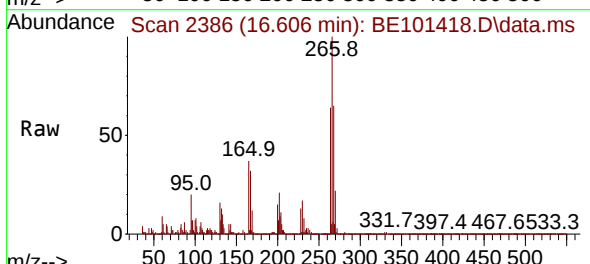
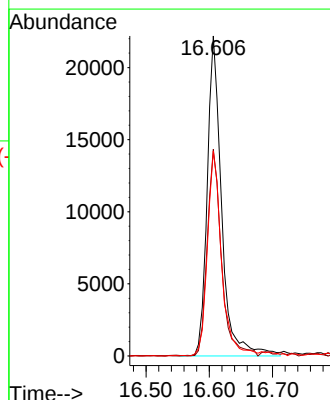
RT: 16.606 min Scan# 2386

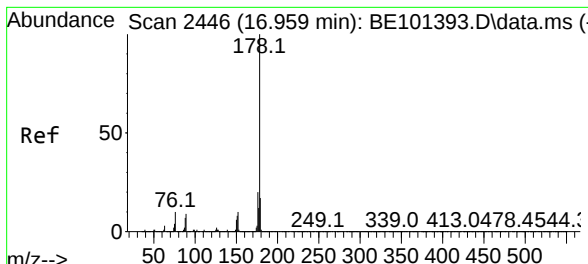
Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Tgt Ion:266 Resp: 35196
 Ion Ratio Lower Upper
 266 100
 268 64.6 51.5 77.3
 264 64.0 50.7 76.1



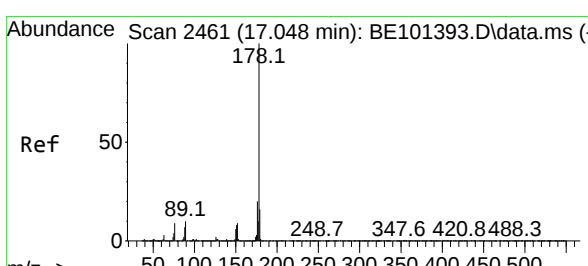
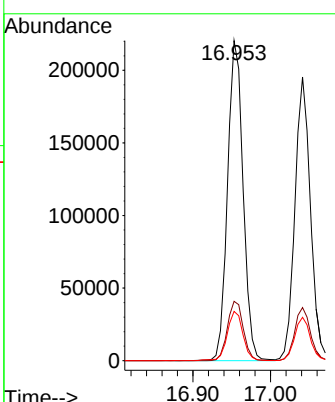
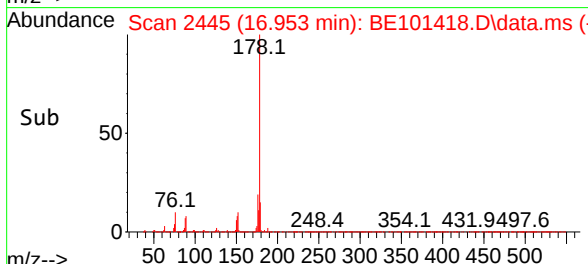
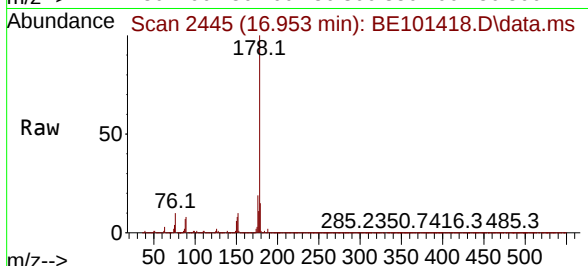


#71
 Phenanthrene
 Concen: 3.725 ng
 RT: 16.953 min Scan# 2445
 Delta R.T. -0.006 min
 Lab File: BE101418.D
 Acq: 30 Oct 2024 11:11

Instrument : BNA_E
 ClientSampleId : MDL-SOIL-03-QT4-2024

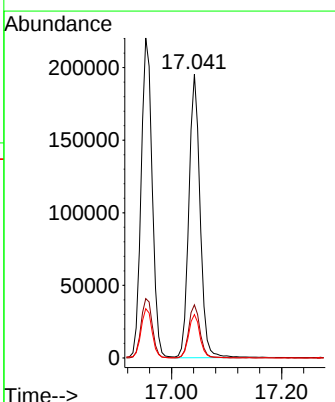
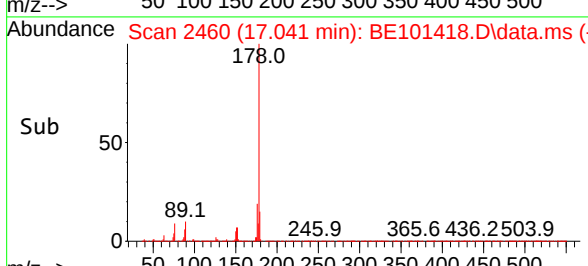
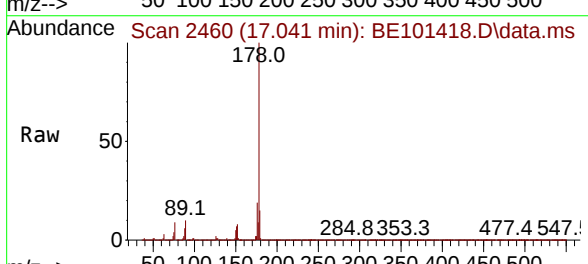
Tgt Ion:	178	Resp:	307309
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.4	24.6
179	15.4	13.2	19.8

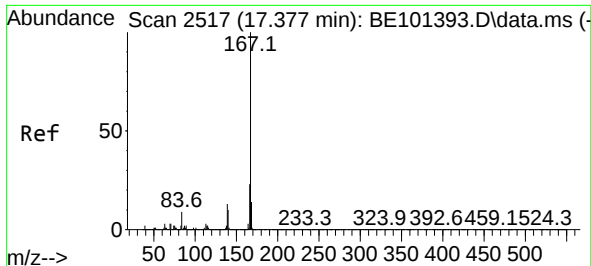
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#72
 Anthracene
 Concen: 3.417 ng
 RT: 17.041 min Scan# 2460
 Delta R.T. -0.006 min
 Lab File: BE101418.D
 Acq: 30 Oct 2024 11:11

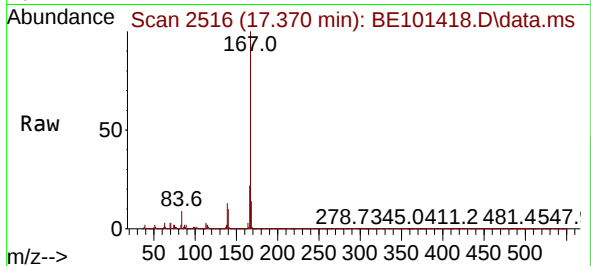
Tgt Ion:	178	Resp:	275216
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.9	23.9
179	15.3	13.1	19.7





#73
 Carbazole
 Concen: 3.455 ng
 RT: 17.370 min Scan# 2516
 Delta R.T. -0.006 min
 Lab File: BE101418.D
 Acq: 30 Oct 2024 11:11

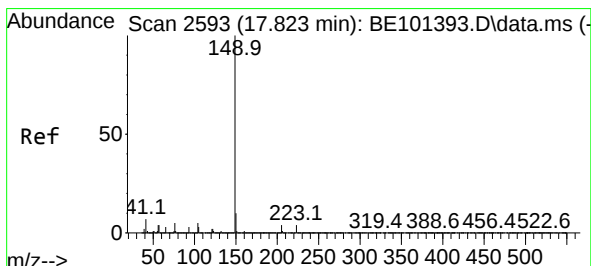
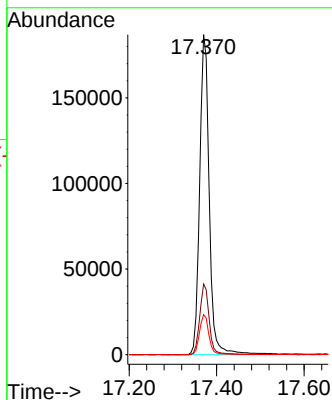
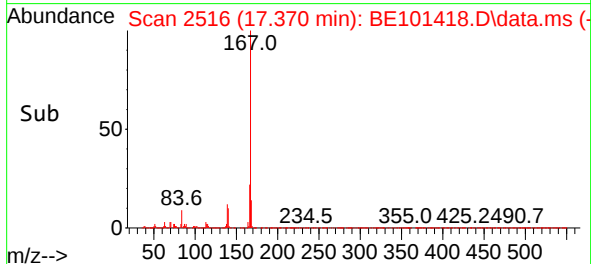
Instrument : BNA_E
 ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:167 Resp: 284775
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.3 27.5
 139 12.5 10.8 16.2

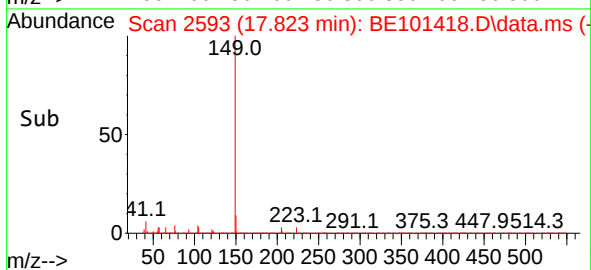
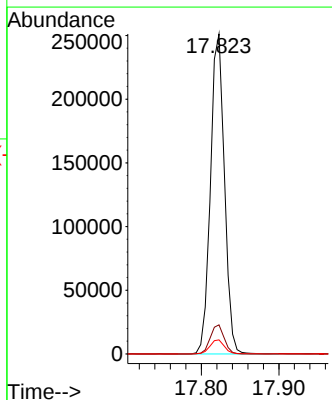
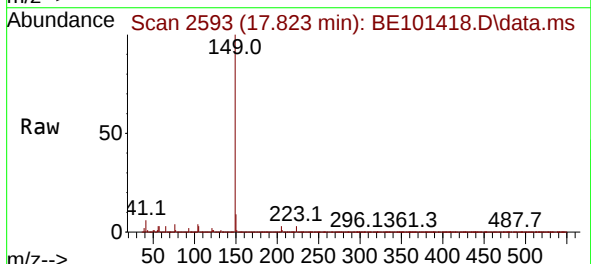
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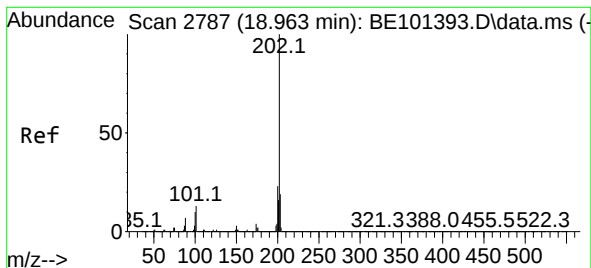
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#74
 Di-n-butylphthalate
 Concen: 3.467 ng
 RT: 17.823 min Scan# 2593
 Delta R.T. -0.001 min
 Lab File: BE101418.D
 Acq: 30 Oct 2024 11:11

Tgt Ion:149 Resp: 314585
 Ion Ratio Lower Upper
 149 100
 150 9.1 8.2 12.4
 104 4.4 3.9 5.9





#75

Fluoranthene

Concen: 3.636 ng

RT: 18.957 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Instrument :

BNA_E

ClientSampleId :

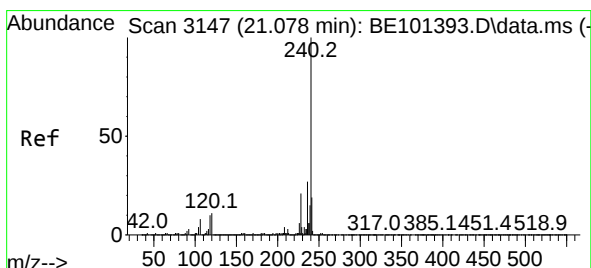
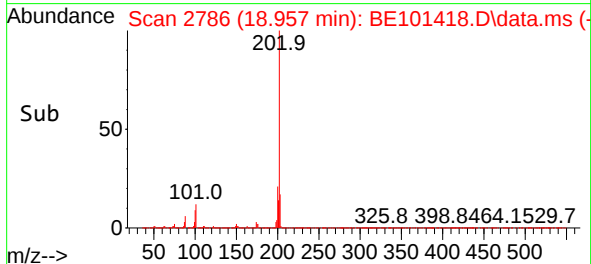
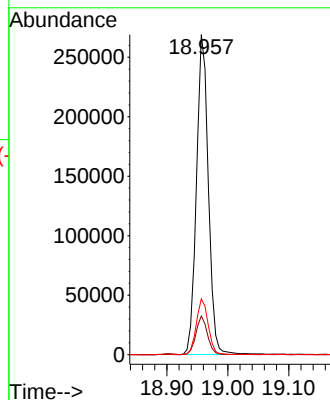
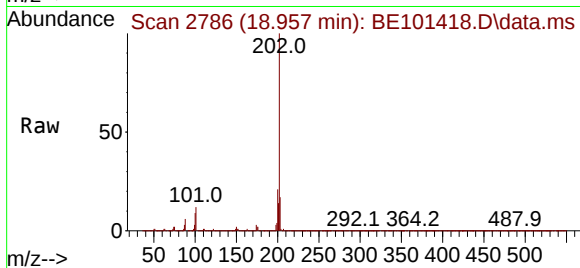
MDL-SOIL-03-QT4-2024

Tgt Ion:	202	Resp:	364362
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	33.3
203	17.5	0.0	39.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#76

Chrysene-d12

Concen: 20.000 ng

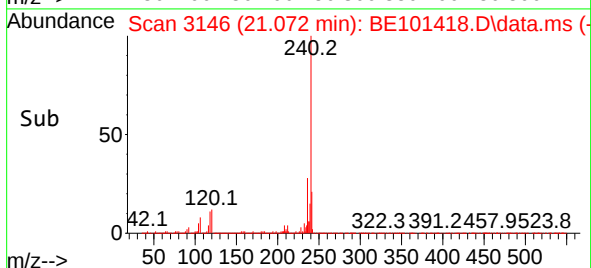
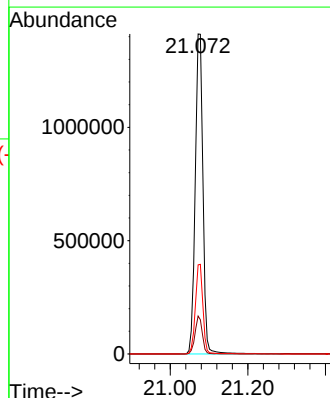
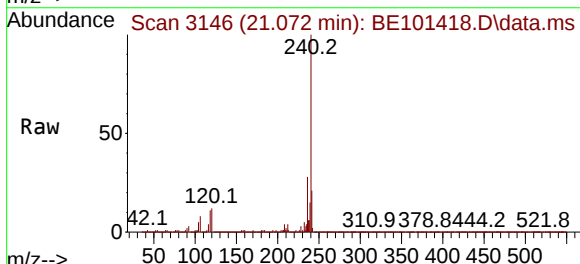
RT: 21.072 min Scan# 3146

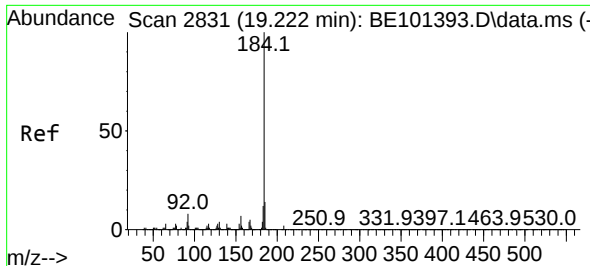
Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

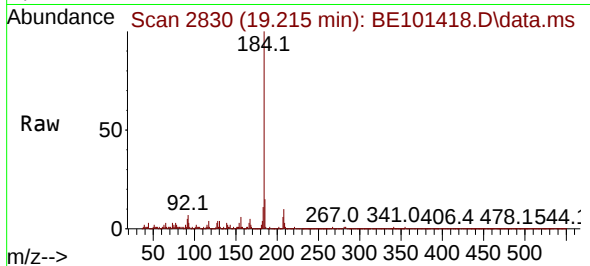
Tgt Ion:	240	Resp:	1945102
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.0	13.4
236	27.8	21.4	32.0





#77
Benzidine
Concen: 2.487 ng
RT: 19.215 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

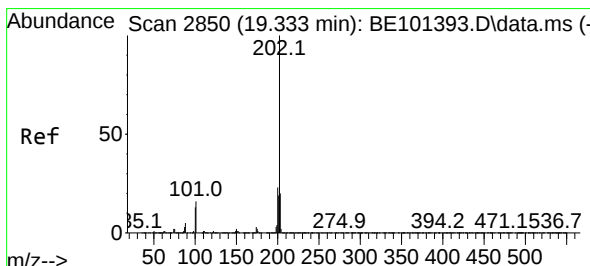
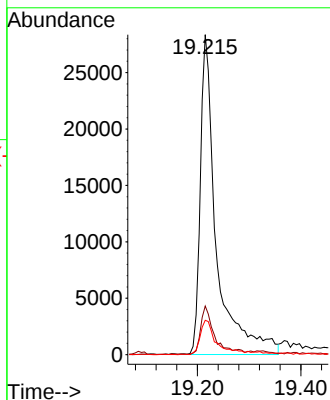
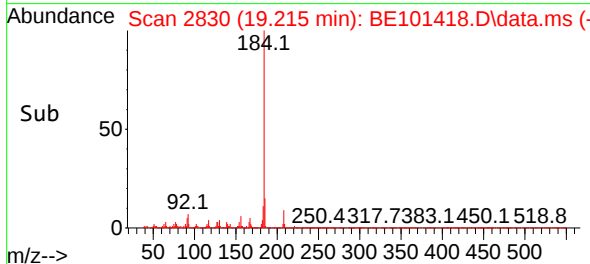
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:184 Resp: 61398
Ion Ratio Lower Upper
184 100
185 15.2 11.5 17.3
183 10.7 9.3 13.9

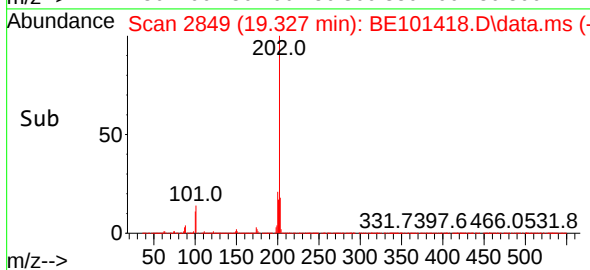
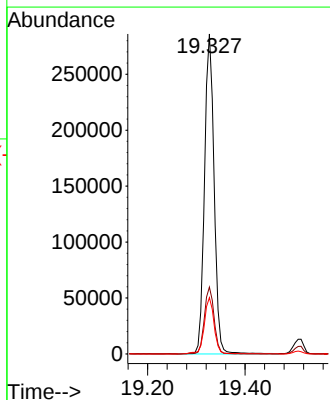
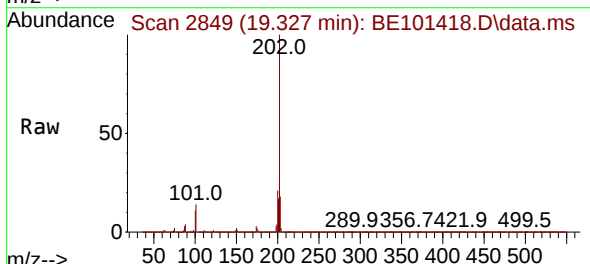
Manual Integrations
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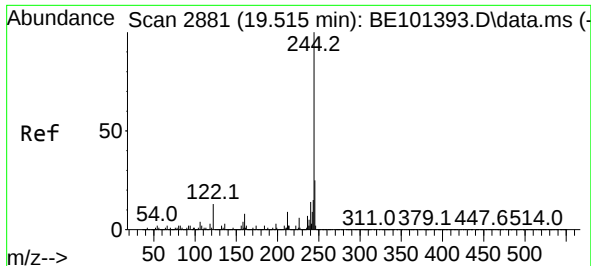
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#78
Pyrene
Concen: 3.642 ng
RT: 19.327 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

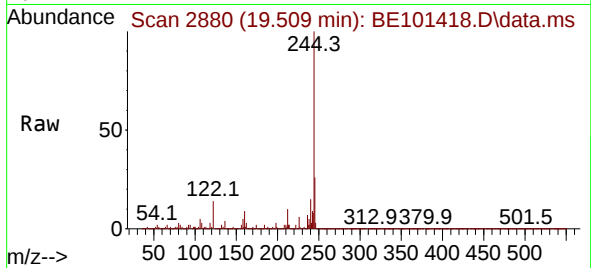
Tgt Ion:202 Resp: 389518
Ion Ratio Lower Upper
202 100
200 20.9 18.6 28.0
203 17.6 15.6 23.4





#79
Terphenyl-d14
Concen: 56.521 ng
RT: 19.509 min Scan# 2881
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

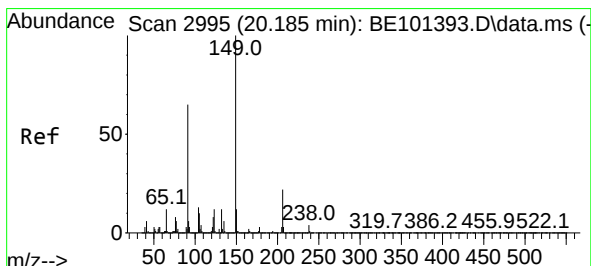
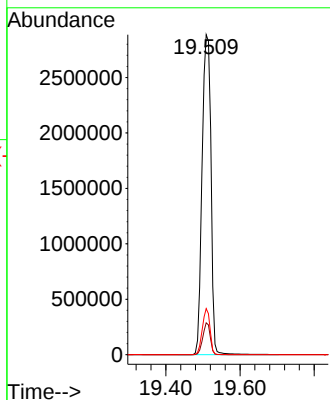
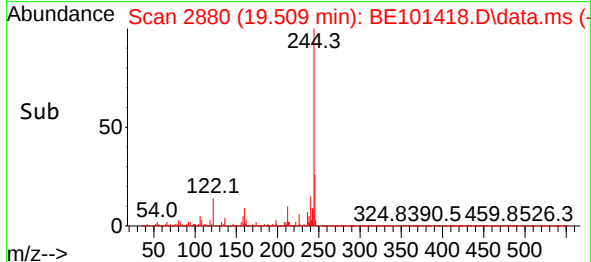
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:244 Resp: 4776744
Ion Ratio Lower Upper
244 100
212 9.9 7.2 10.8
122 14.4 10.4 15.6

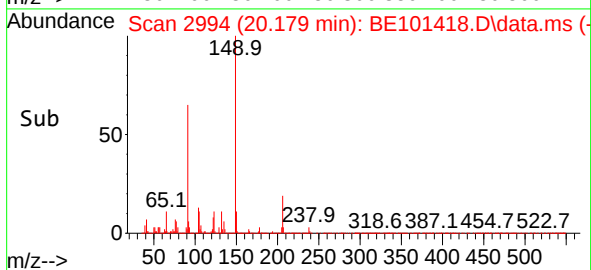
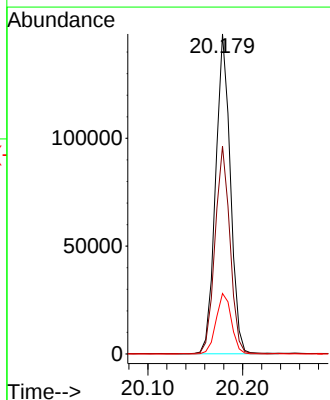
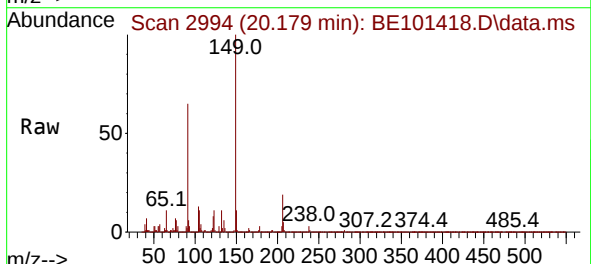
Manual Integrations
APPROVED

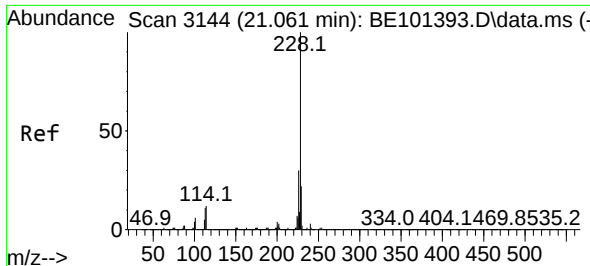
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#80
Butylbenzylphthalate
Concen: 3.432 ng
RT: 20.179 min Scan# 2994
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:149 Resp: 160918
Ion Ratio Lower Upper
149 100
91 64.9 51.8 77.8
206 18.9 17.4 26.2





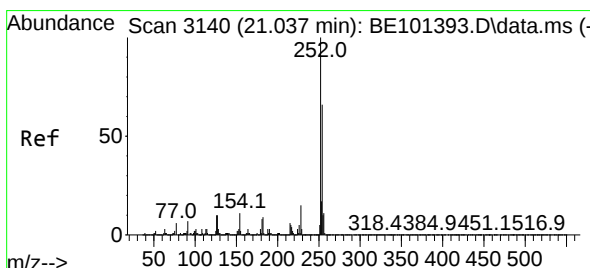
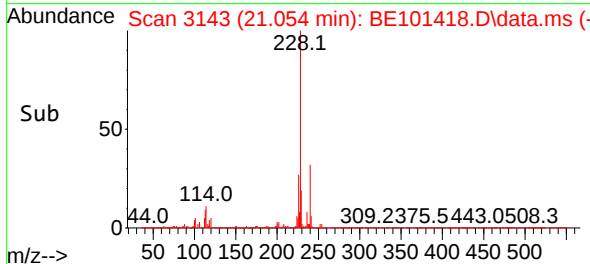
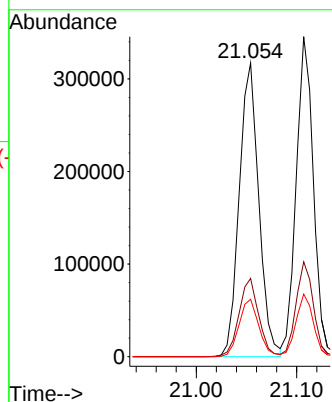
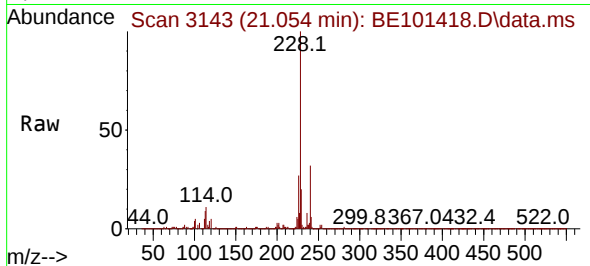
#81
Benzo(a)anthracene
Concen: 3.939 ng
RT: 21.054 min Scan# 3144
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:228 Resp: 43065
Ion Ratio Lower Upper
228 100
226 26.6 24.1 36.1
229 19.5 17.3 25.9

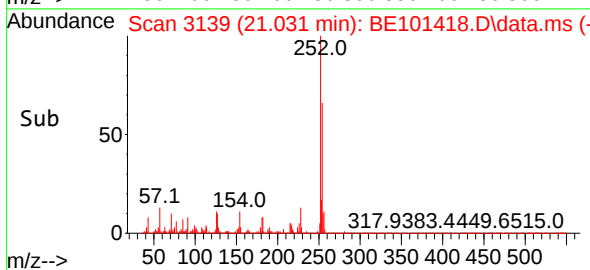
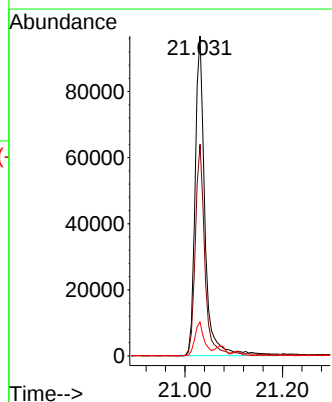
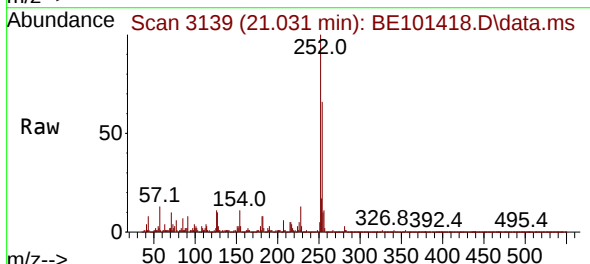
Manual Integrations
APPROVED

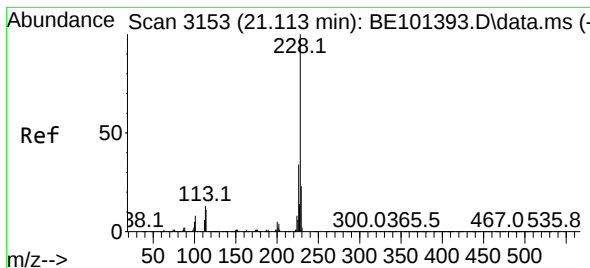
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#82
3,3'-Dichlorobenzidine
Concen: 3.165 ng
RT: 21.031 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:252 Resp: 135543
Ion Ratio Lower Upper
252 100
254 66.2 52.6 78.8
126 10.6 7.7 11.5





#83

Chrysene

Concen: 3.943 ng

RT: 21.107 min Scan# 3152

Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT4-2024

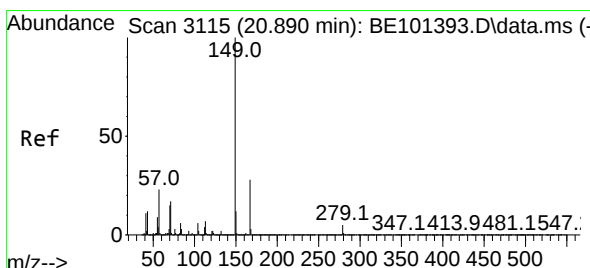
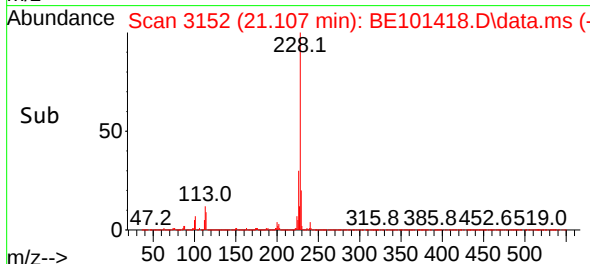
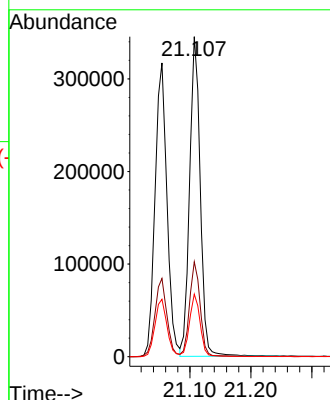
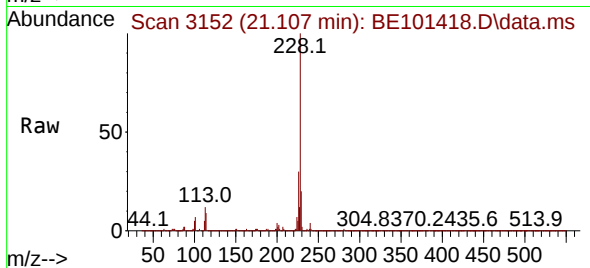
Tgt Ion:228 Resp: 416799

Ion	Ratio	Lower	Upper
228	100		
226	29.7	27.2	40.8
229	19.5	18.0	27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.362 ng

RT: 20.884 min Scan# 3114

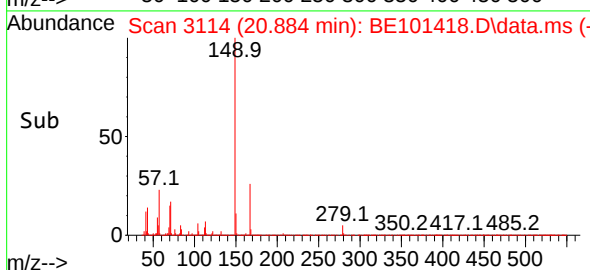
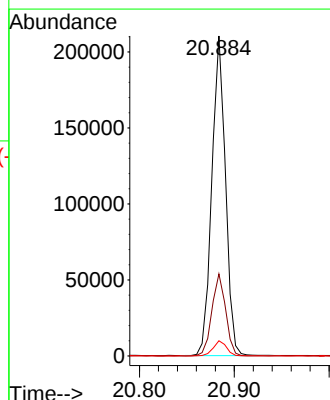
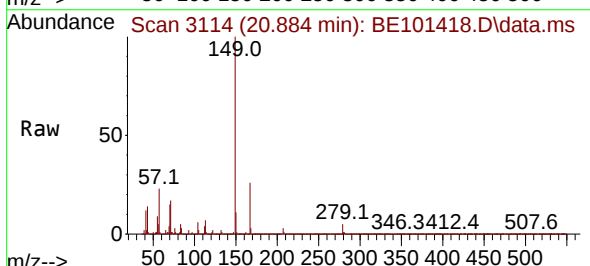
Delta R.T. -0.006 min

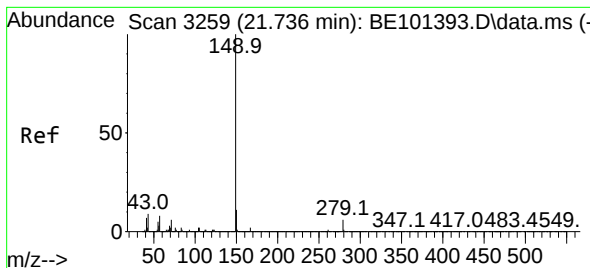
Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Tgt Ion:149 Resp: 209438

Ion	Ratio	Lower	Upper
149	100		
167	25.6	22.7	34.1
279	4.8	4.3	6.5





#85

Di-n-octyl phthalate

Concen: 3.524 ng

RT: 21.730 min Scan# 31

Delta R.T. -0.006 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Instrument :

BNA_E

ClientSampleId :

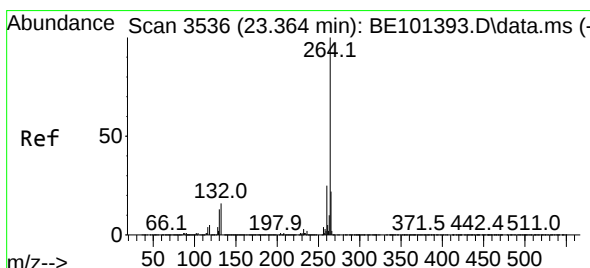
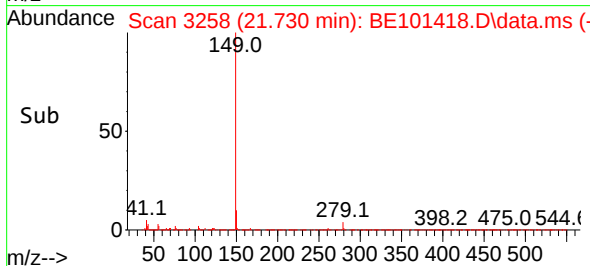
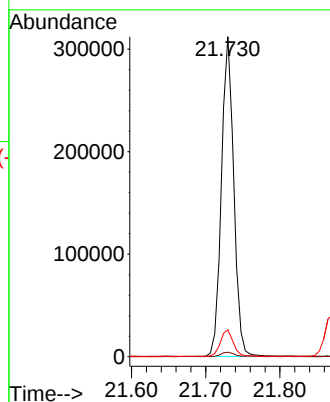
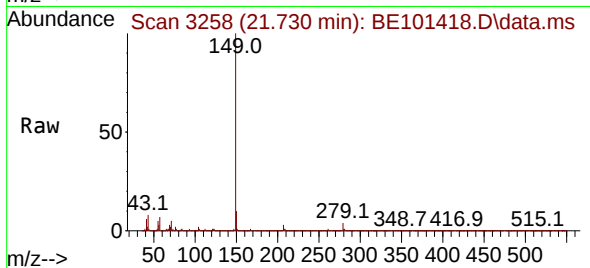
MDL-SOIL-03-QT4-2024

Tgt Ion:	149	Resp:	36030
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.4	2.0
43	8.8	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#86

Perylene-d12

Concen: 20.000 ng

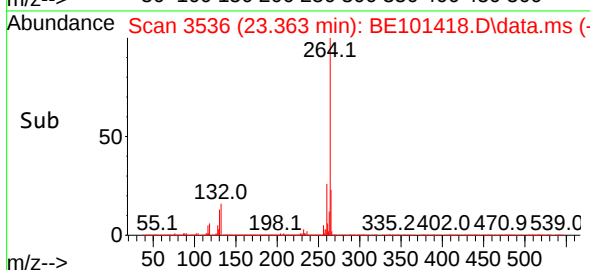
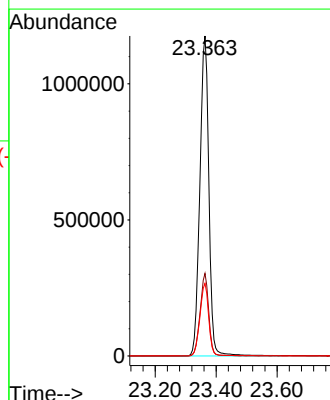
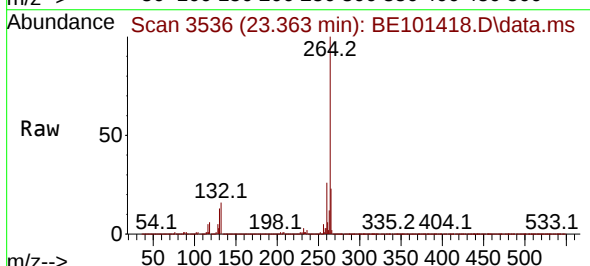
RT: 23.363 min Scan# 3536

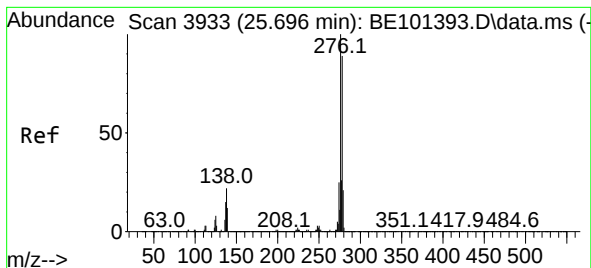
Delta R.T. -0.001 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Tgt Ion:	264	Resp:	2422824
Ion Ratio	Lower	Upper	
264	100		
260	25.8	19.8	29.8
265	22.7	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.626 ng

RT: 25.660 min Scan# 3933

Delta R.T. -0.036 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Instrument :

BNA_E

ClientSampleId :

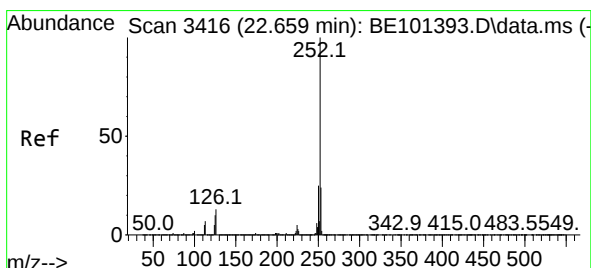
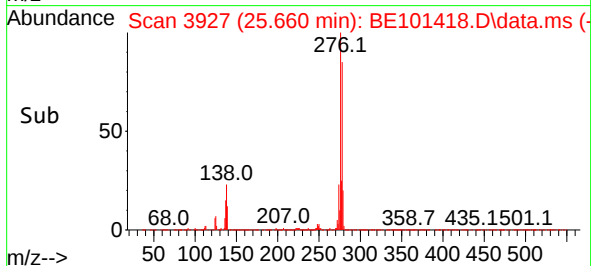
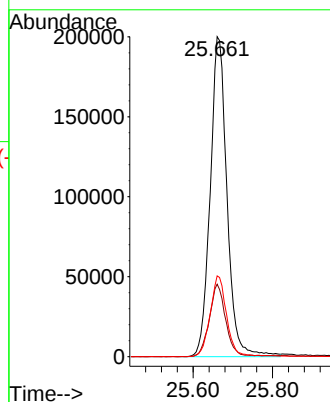
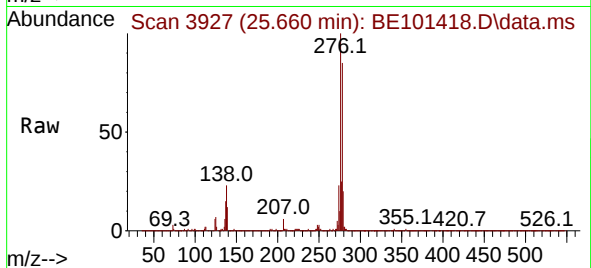
MDL-SOIL-03-QT4-2024

Tgt Ion:	276	Resp:	58794
Ion Ratio	Lower	Upper	
276	100		
138	22.1	17.8	26.8
277	24.6	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#88

Benzo(b)fluoranthene

Concen: 3.720 ng

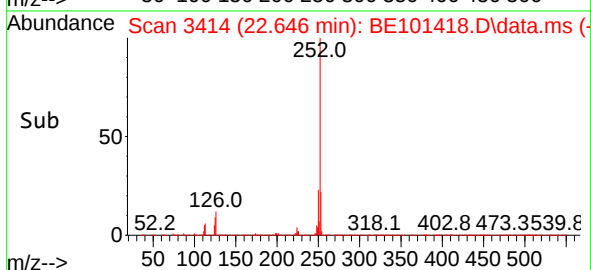
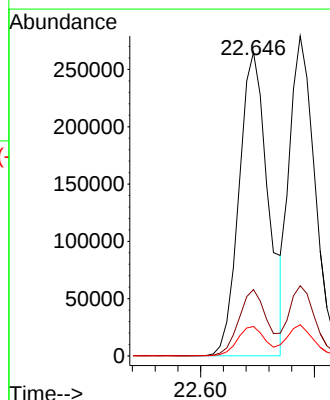
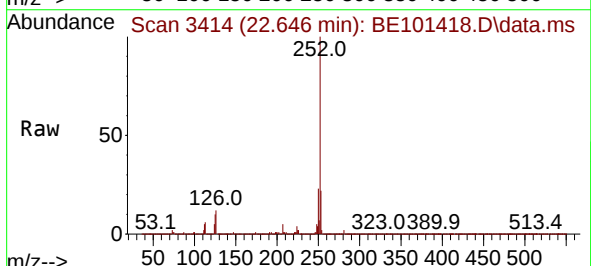
RT: 22.646 min Scan# 3414

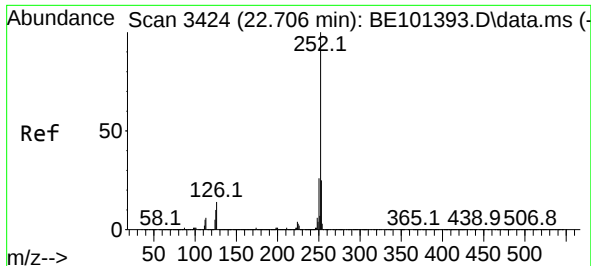
Delta R.T. -0.012 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

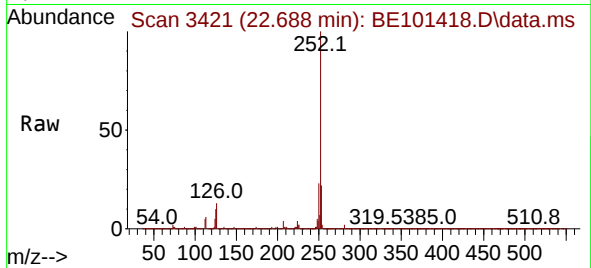
Tgt Ion:	252	Resp:	469710
Ion Ratio	Lower	Upper	
252	100		
253	21.9	19.0	28.6
125	9.7	8.2	12.2





#89
Benzo(k)fluoranthene
Concen: 3.740 ng
RT: 22.688 min Scan# 3424
Delta R.T. -0.018 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

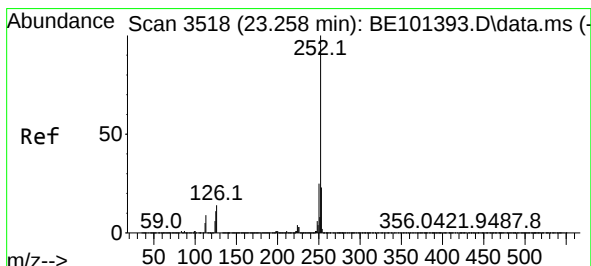
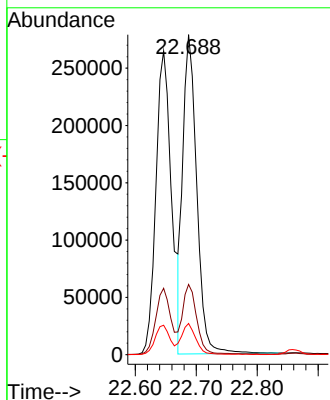
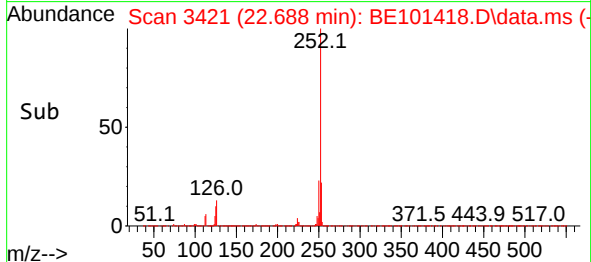
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:252 Resp: 44117
Ion Ratio Lower Upper
252 100
253 21.9 19.4 29.2
125 9.7 8.2 12.2

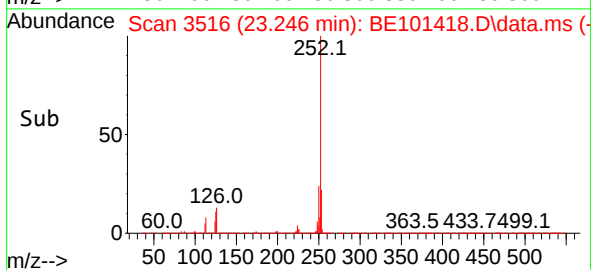
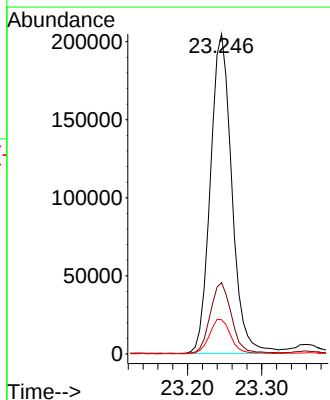
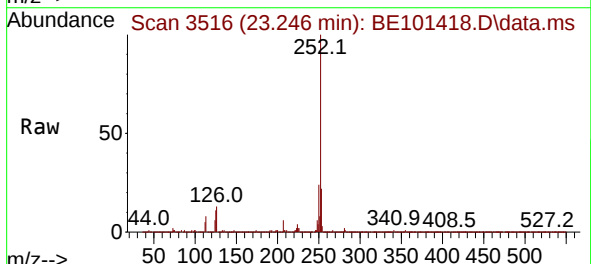
Manual Integrations
APPROVED

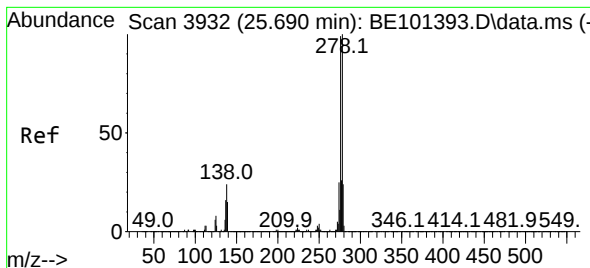
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#90
Benzo(a)pyrene
Concen: 3.726 ng
RT: 23.246 min Scan# 3516
Delta R.T. -0.012 min
Lab File: BE101418.D
Acq: 30 Oct 2024 11:11

Tgt Ion:252 Resp: 411436
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 10.7 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.565 ng

RT: 25.660 min Scan# 3932

Delta R.T. -0.030 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:278 Resp: 477660

Ion Ratio Lower Upper

278 100

139 14.6 11.9 17.9

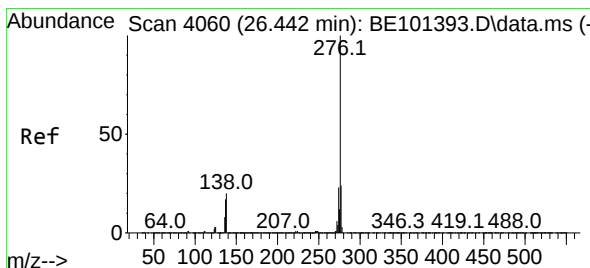
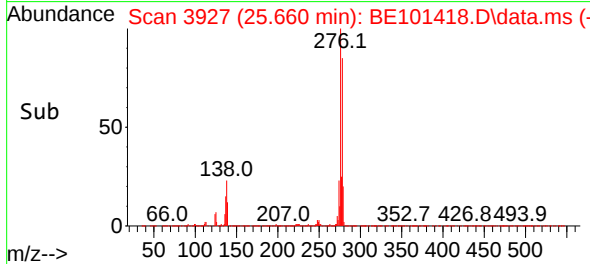
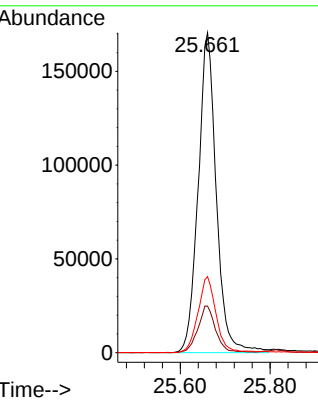
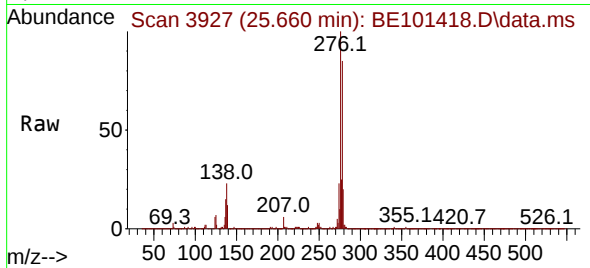
279 23.8 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024

Supervised By :mohammad ahmed 11/06/2024



#92

Benzo(g,h,i)perylene

Concen: 3.277 ng

RT: 26.413 min Scan# 4055

Delta R.T. -0.030 min

Lab File: BE101418.D

Acq: 30 Oct 2024 11:11

Tgt Ion:276 Resp: 452317

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 18.2 15.8 23.6

