

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091924\
 Data File : BE101372.D
 Acq On : 19 Sep 2024 10:29
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 19 11:11:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE091724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 17 16:03:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.576	152	137432	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	671135	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	492772	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1190901	20.000	ng	0.00
76) Chrysene-d12	21.084	240	1409086	20.000	ng	0.00
86) Perylene-d12	23.369	264	1788371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	966245	122.928	ng	0.00
7) Phenol-d6	6.947	99	1336449	119.938	ng	0.00
23) Nitrobenzene-d5	8.786	82	908005	85.774	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	1079023	130.187	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2439039	85.533	ng	0.00
79) Terphenyl-d14	19.515	244	4169591	65.612	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.240	88	12184	4.071	ng	97
3) Pyridine	3.892	79	24177m	2.804	ng	
4) n-Nitrosodimethylamine	3.686	42	11880m	3.835	ng	
6) Aniline	7.024	93	50320	5.383	ng	95
8) 2-Chlorophenol	7.217	128	37873	4.010	ng	93
9) Benzaldehyde	6.794	77	27076	5.287	ng	95
10) Phenol	6.976	94	43206	3.528	ng	90
11) bis(2-Chloroethyl)ether	7.047	93	32643m	3.149	ng	
12) 1,3-Dichlorobenzene	7.458	146	40778	4.017	ng	94
13) 1,4-Dichlorobenzene	7.605	146	41455	4.008	ng	99
14) 1,2-Dichlorobenzene	7.934	146	40343	3.936	ng	98
15) Benzyl Alcohol	7.917	79	34988	5.273	ng	# 64
16) 2,2'-oxybis(1-Chloropr...	8.075	45	56067	4.292	ng	98
17) 2-Methylphenol	8.157	107	28202	3.475	ng	96
18) Hexachloroethane	8.633	117	12529	3.704	ng	91
19) n-Nitroso-di-n-propyla...	8.387	70	26853	3.415	ng	95
20) 3+4-Methylphenols	8.498	107	36943	3.235	ng	96
22) Acetophenone	8.434	105	59245	3.807	ng	# 98
24) Nitrobenzene	8.827	77	45535	4.029	ng	97
25) Isophorone	9.280	82	77093	3.557	ng	98
26) 2-Nitrophenol	9.521	139	16609	3.114	ng	97
27) 2,4-Dimethylphenol	9.632	122	20624	3.012	ng	98
28) bis(2-Chloroethoxy)met...	9.791	93	47952	3.658	ng	97
29) 2,4-Dichlorophenol	10.067	162	31776	3.389	ng	93
30) 1,2,4-Trichlorobenzene	10.185	180	39456	3.893	ng	95
31) Naphthalene	10.390	128	132730	3.920	ng	99
32) Benzoic acid	9.820	122	9518m	8.448	ng	
33) 4-Chloroaniline	10.625	127	46657	3.601	ng	98
34) Hexachlorobutadiene	10.643	225	21312	3.620	ng	97
35) Caprolactam	11.418	113	11635m	3.071	ng	
36) 4-Chloro-3-methylphenol	11.789	107	37533	3.387	ng	96
37) 2-Methylnaphthalene	11.982	142	93763	3.786	ng	99
38) 1-Methylnaphthalene	12.206	142	90429	3.640	ng	98
40) 1,2,4,5-Tetrachloroben...	12.335	216	46280	3.899	ng	99
41) Hexachlorocyclopentadiene	12.317	237	12041	3.087	ng	90
43) 2,4,6-Trichlorophenol	12.658	196	27367	3.255	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	30853	3.253	ng	96
46) 1,1'-Biphenyl	13.011	154	142396	4.264	ng	99
47) 2-Chloronaphthalene	13.052	162	100220	3.815	ng	98
48) 2-Nitroaniline	13.393	65	21809	3.086	ng	98
49) Acenaphthylene	13.915	152	160770	4.102	ng	98
50) Dimethylphthalate	13.686	163	139901	3.934	ng	99
51) 2,6-Dinitrotoluene	13.821	165	25827	3.246	ng	91
52) Acenaphthene	14.244	154	100728	3.899	ng	94
53) 3-Nitroaniline	14.239	138	25683	3.138	ng	94
55) Dibenzofuran	14.585	168	167469	4.104	ng	98
56) 4-Nitrophenol	14.650	139	18083	2.657	ng	91
57) 2,4-Dinitrotoluene	14.609	165	31287	2.888	ng #	91
58) Fluorene	15.226	166	137410	3.996	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.855	232	31870	3.553	ng	97
60) Diethylphthalate	15.008	149	142504	3.863	ng	97
61) 4-Chlorophenyl-phenylether	15.214	204	65965	3.911	ng	96
62) 4-Nitroaniline	15.420	138	22801	2.673	ng	93
63) Azobenzene	15.508	77	122654	3.891	ng	97
65) 4,6-Dinitro-2-methylphthalate	15.349	198	14470	2.140	ng	95
66) n-Nitrosodiphenylamine	15.461	169	120876	3.808	ng	99
67) 4-Bromophenyl-phenylether	16.101	248	44189	3.572	ng	98
68) Hexachlorobenzene	16.201	284	57534	3.598	ng	97
69) Atrazine	16.395	200	44091	4.206	ng	98
70) Pentachlorophenol	16.612	266	25282	2.646	ng	94
71) Phenanthrene	16.959	178	243406	4.303	ng	97
72) Anthracene	17.047	178	222136	4.036	ng	96
73) Carbazole	17.376	167	221925	3.935	ng	99
74) Di-n-butylphthalate	17.828	149	235088	3.796	ng	96
75) Fluoranthene	18.962	202	292553	4.297	ng	94
77) Benzidine	19.221	184	70537	3.016	ng	98
78) Pyrene	19.333	202	316081	4.033	ng	93
80) Butylbenzylphthalate	20.185	149	120637	3.477	ng	96
81) Benzo(a)anthracene	21.060	228	344030	4.348	ng	92
82) 3,3'-Dichlorobenzidine	21.037	252	107328	3.461	ng	99
83) Chrysene	21.113	228	336466	4.426	ng	92
84) Bis(2-ethylhexyl)phthalate	20.890	149	155434	3.388	ng #	93
85) Di-n-octyl phthalate	21.742	149	277448	3.705	ng	99
87) Indeno(1,2,3-cd)pyrene	25.678	276	479395	4.069	ng	97
88) Benzo(b)fluoranthene	22.658	252	376536	4.065	ng	94
89) Benzo(k)fluoranthene	22.699	252	362073	4.142	ng	94
90) Benzo(a)pyrene	23.257	252	334201	4.088	ng	97
91) Dibenzo(a,h)anthracene	25.672	278	389897	3.953	ng	98
92) Benzo(g,h,i)perylene	26.424	276	370756	3.702	ng	97

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

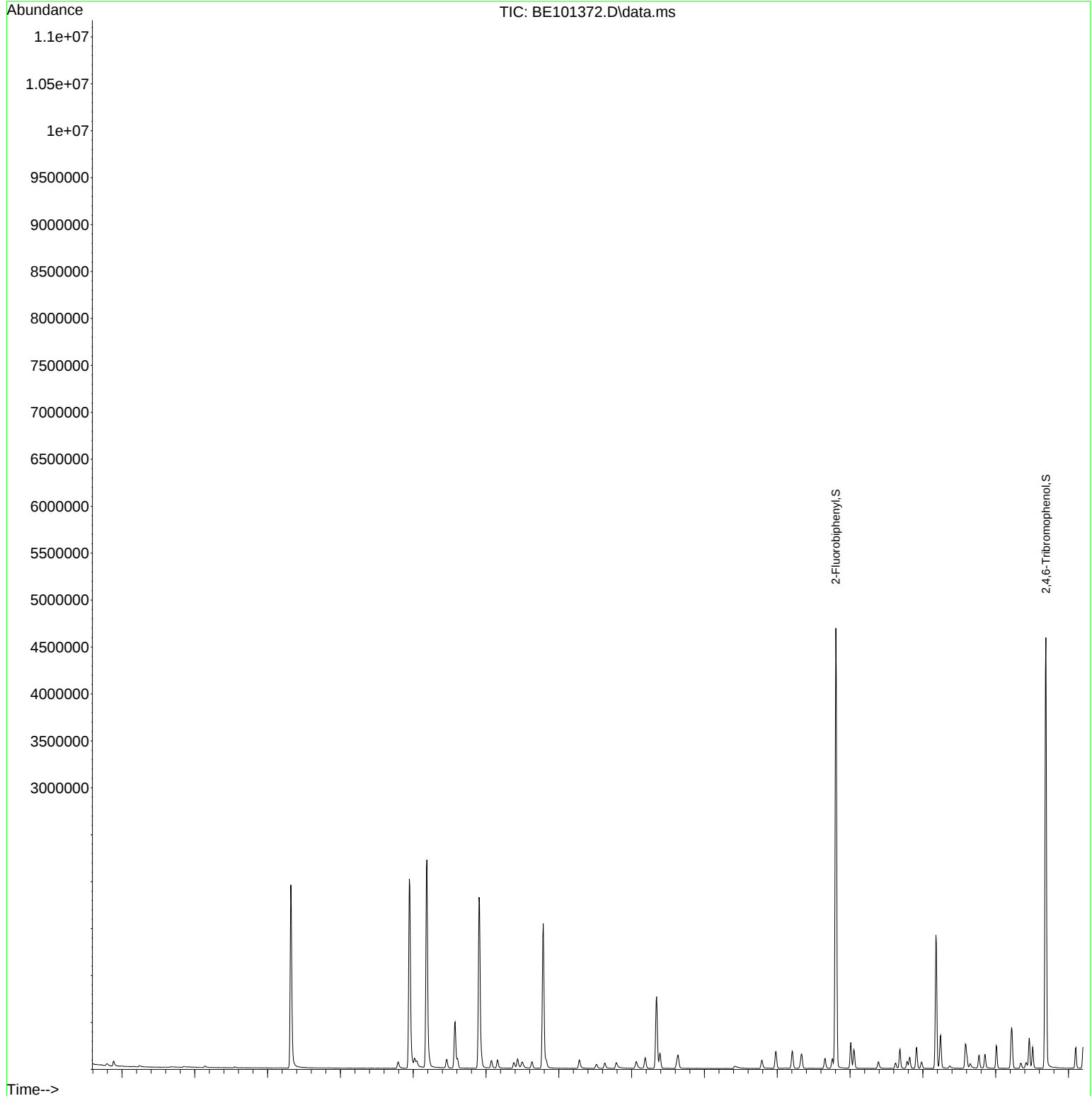
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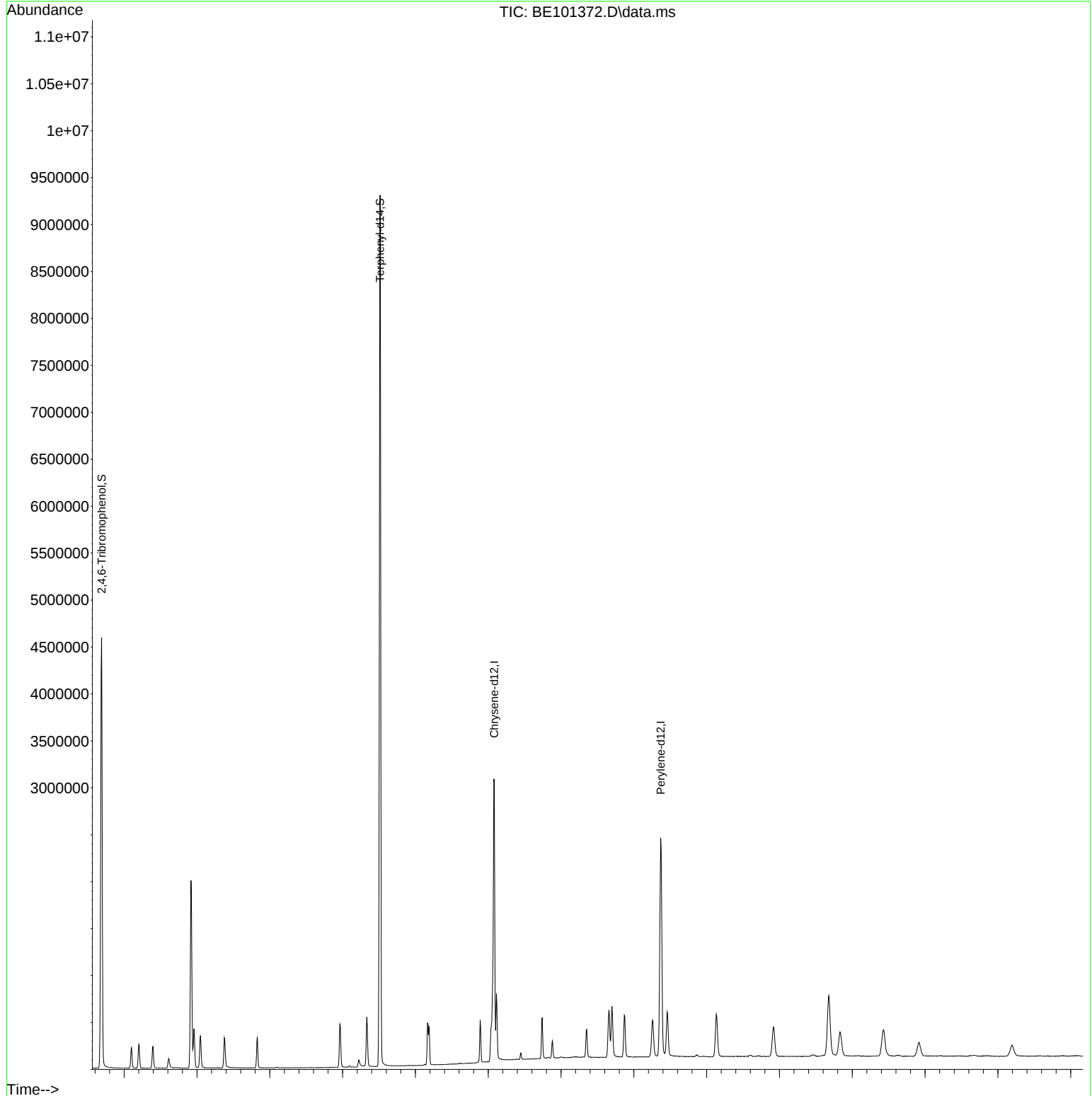
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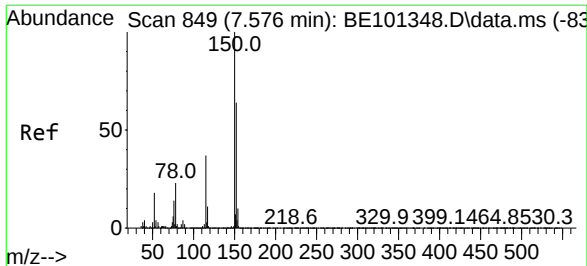
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ClientSampleId :
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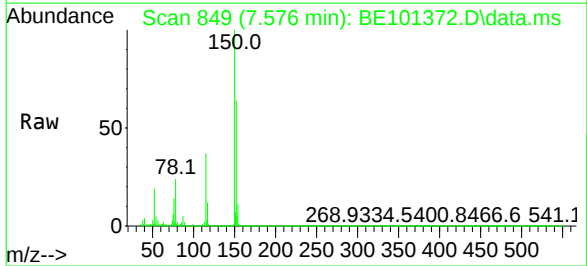
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.576 min Scan# 849
Delta R.T. -0.000 min
Lab File: BE101372.D
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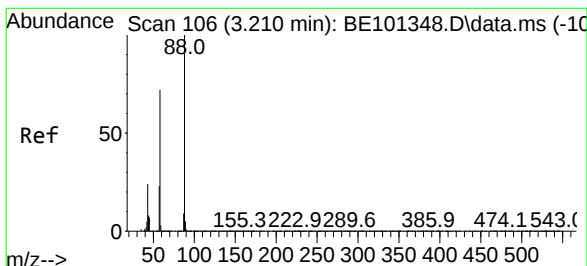
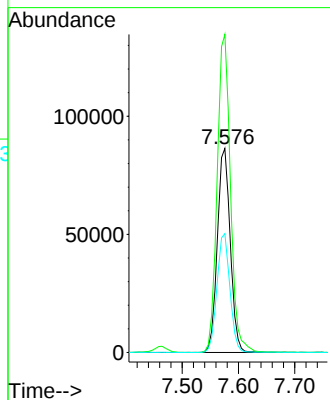
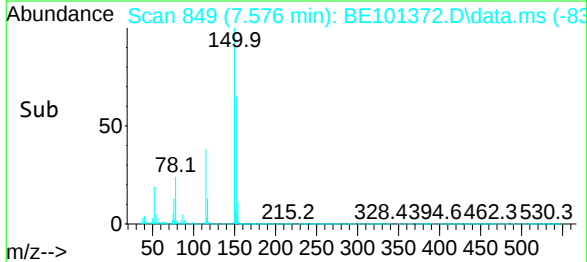
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt Ion: 152 Resp: 137432
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 58.3 46.9 70.3

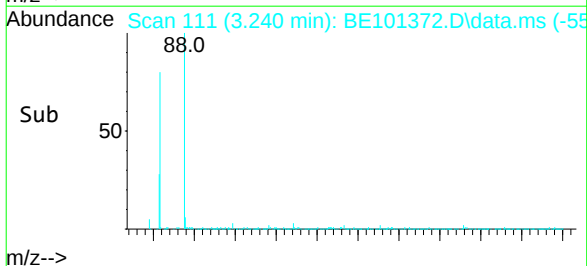
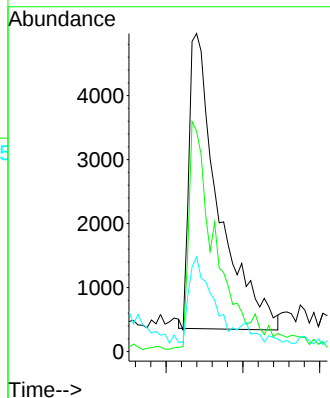
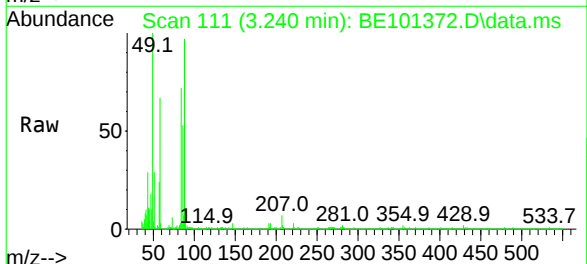
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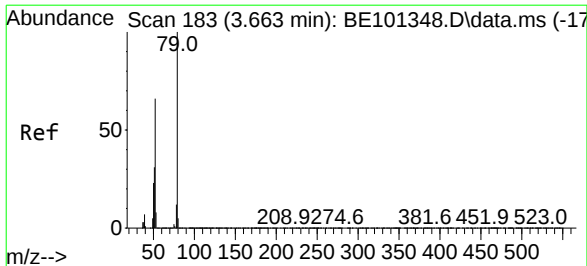
Reviewed By :Yogesh Patel 09/21/2024
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#2
1,4-Dioxane
Concen: 4.071 ng
RT: 3.240 min Scan# 111
Delta R.T. 0.029 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion: 88 Resp: 12184
Ion Ratio Lower Upper
88 100
58 71.0 58.8 88.2
43 23.2 19.4 29.2





Pyridine

Concen: 2.804 ng m

RT: 3.892 min Scan# 22

Delta R.T. 0.229 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

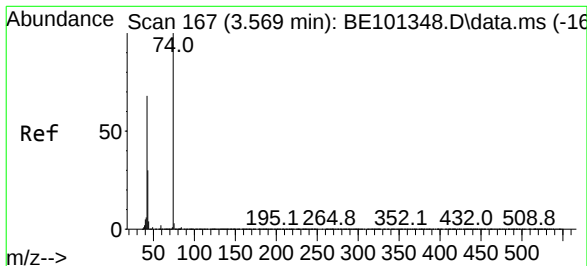
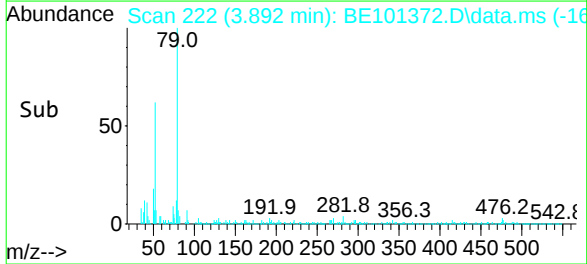
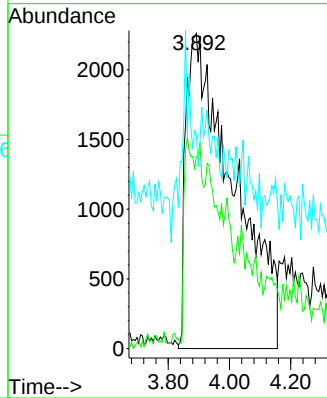
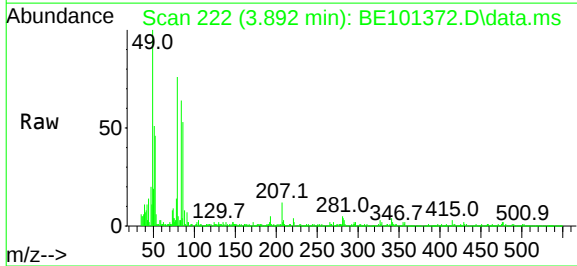
Tgt Ion	Ratio	Lower	Upper
79	100		
52	60.9	52.6	78.8
51	67.8	26.2	39.2

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n-Nitrosodimethylamine

Concen: 3.835 ng m

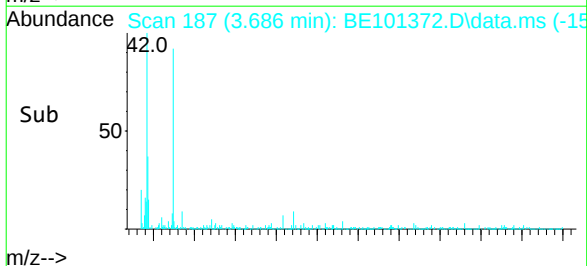
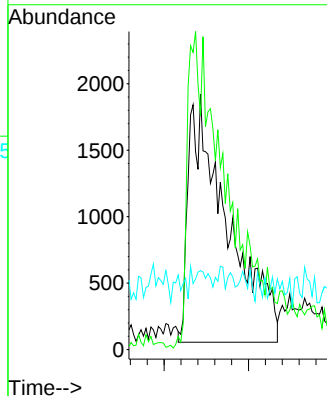
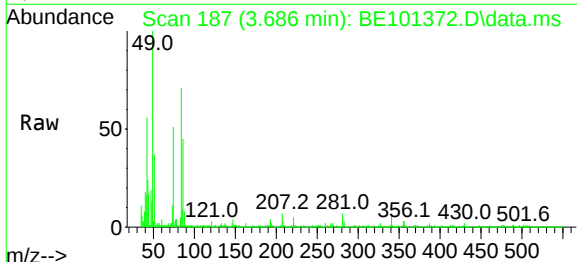
RT: 3.686 min Scan# 187

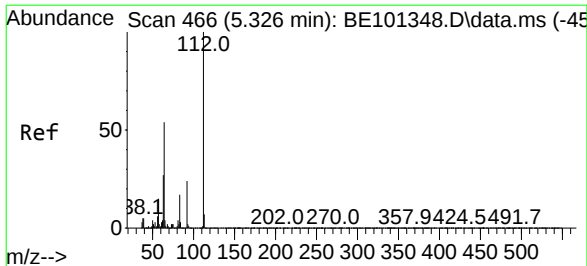
Delta R.T. 0.117 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

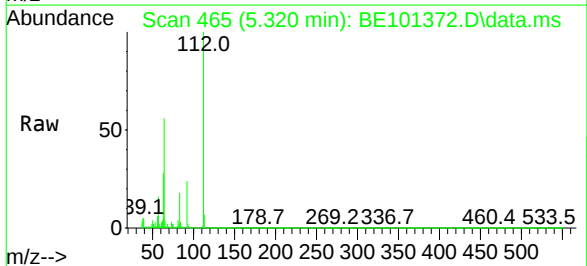
Tgt Ion	Ratio	Lower	Upper
42	100		
74	91.4	117.0	175.4
44	30.9	5.9	8.9





#5
2-Fluorophenol
Concen: 122.928 ng
RT: 5.320 min Scan# 466
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

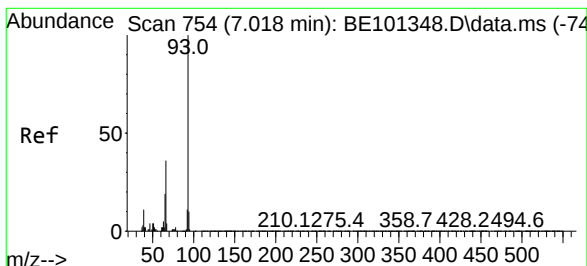
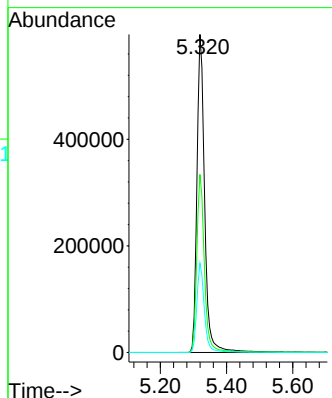
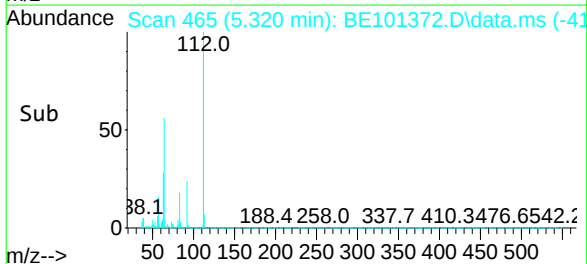
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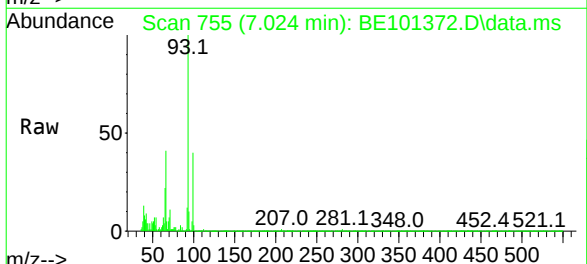
Tgt Ion: 112 Resp: 966245
Ion Ratio Lower Upper
112 100
64 56.0 42.8 64.2
63 28.1 21.3 31.9

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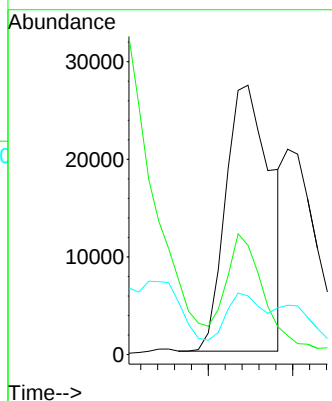
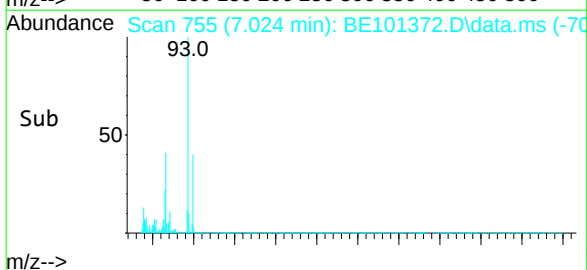
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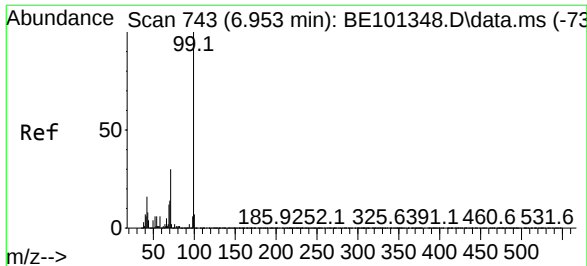


#6
Aniline
Concen: 5.383 ng
RT: 7.024 min Scan# 755
Delta R.T. 0.006 min
Lab File: BE101372.D
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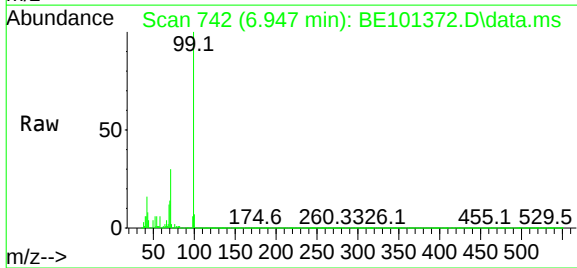
Tgt Ion: 93 Resp: 50320
Ion Ratio Lower Upper
93 100
66 40.6 30.0 45.0
65 21.8 15.8 23.8





#7
Phenol-d6
Concen: 119.938 ng
RT: 6.947 min Scan# 743
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

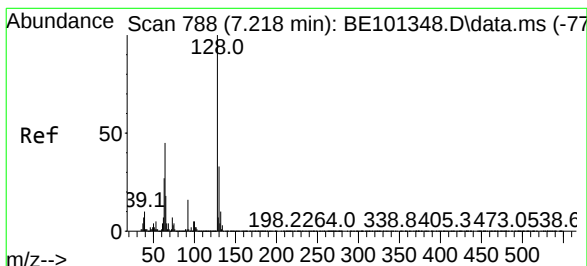
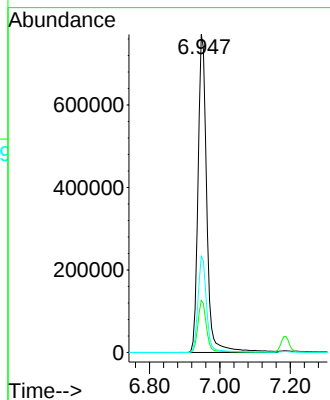
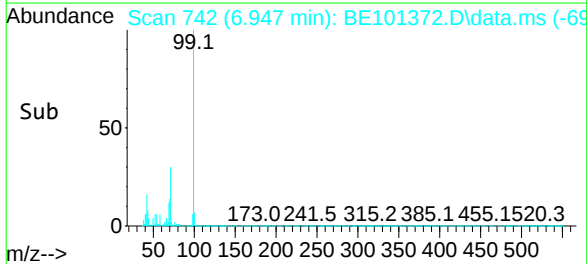
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Tgt Ion: 99 Resp: 1336449
Ion Ratio Lower Upper
99 100
42 16.3 12.8 19.2
71 30.3 23.8 35.6

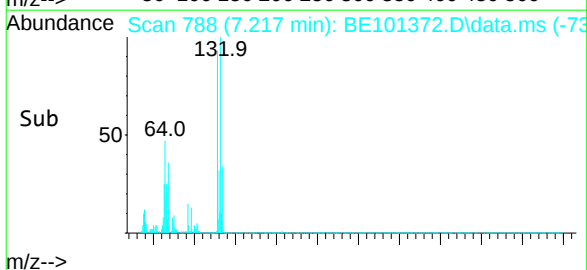
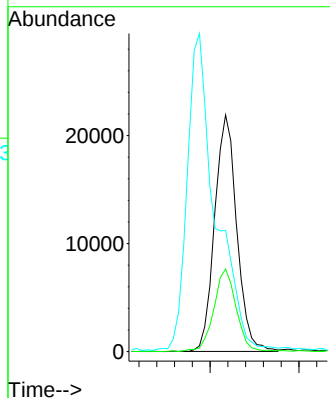
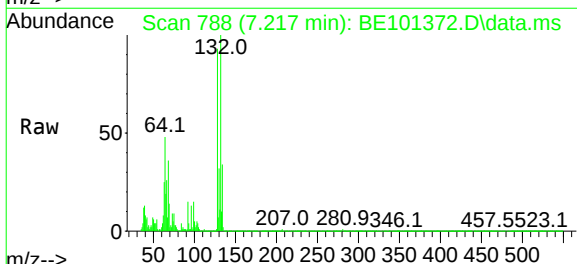
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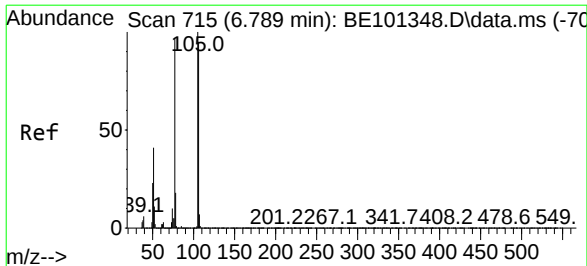
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#8
2-Chlorophenol
Concen: 4.010 ng
RT: 7.217 min Scan# 788
Delta R.T. -0.000 min
Lab File: BE101372.D
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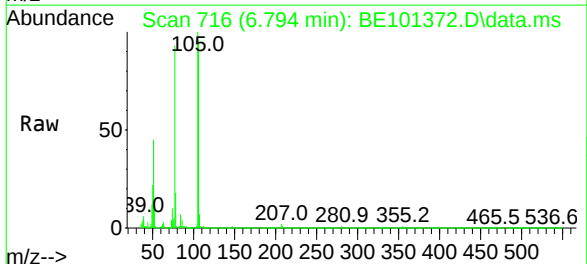
Tgt Ion:128 Resp: 37873
Ion Ratio Lower Upper
128 100
130 34.9 12.8 52.8
64 51.2 24.9 64.9





#9
Benzaldehyde
Concen: 5.287 ng
RT: 6.794 min Scan# 715
Delta R.T. 0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

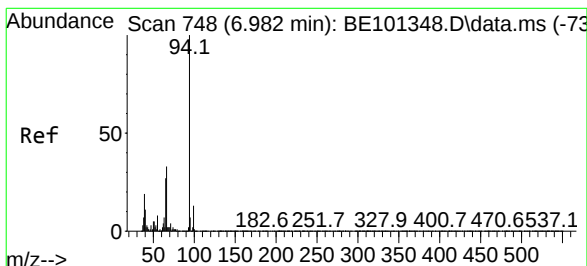
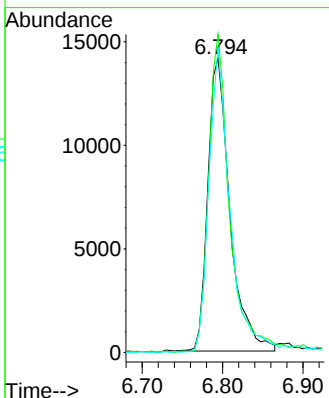
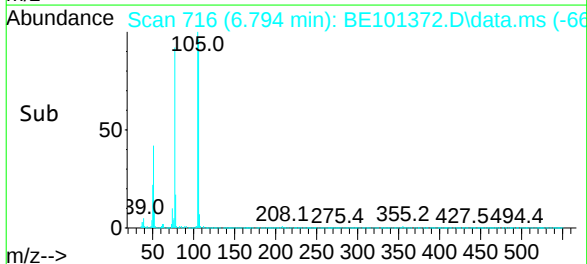
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



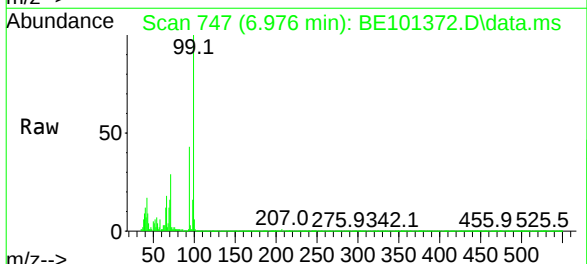
Tgt Ion: 77 Resp: 27076
Ion Ratio Lower Upper
77 100
105 108.0 82.8 122.8
106 103.7 77.9 117.9

Manual Integrations
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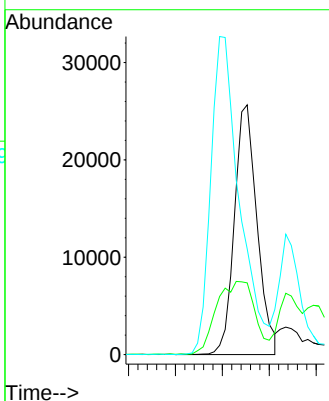
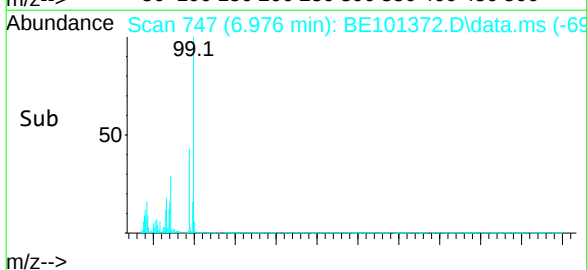
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

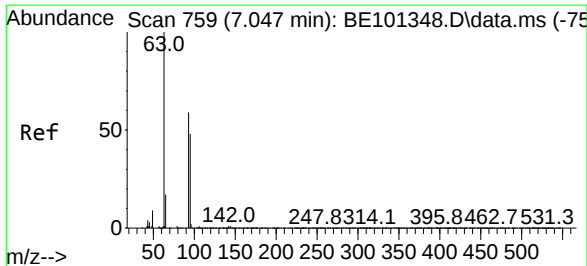


#10
Phenol
Concen: 3.528 ng
RT: 6.976 min Scan# 747
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29



Tgt Ion: 94 Resp: 43206
Ion Ratio Lower Upper
94 100
65 28.7 7.1 47.1
66 42.3 13.1 53.1





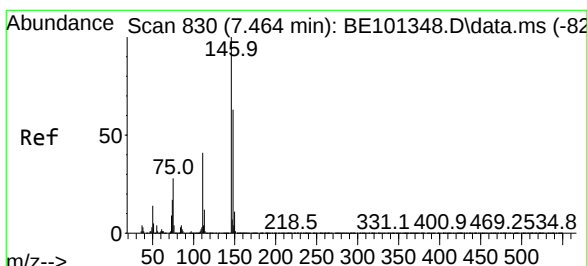
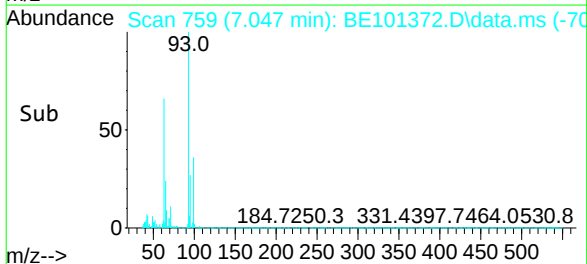
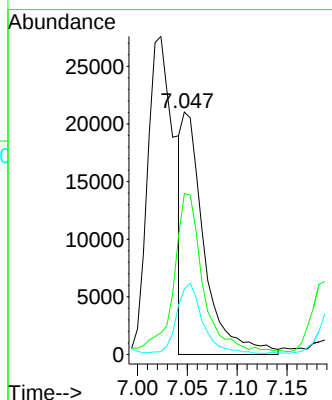
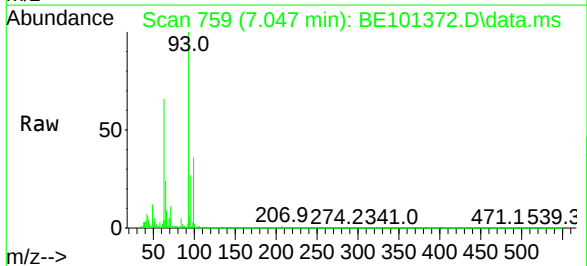
#11
bis(2-Chloroethyl)ether
Concen: 3.149 ng m
RT: 7.047 min Scan# 759
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion	Ratio	Lower	Upper
93	100		
63	66.4	43.7	83.7
95	26.9	8.7	48.7

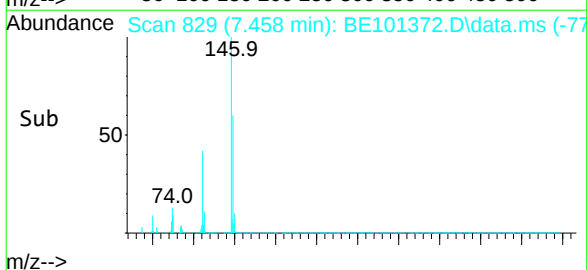
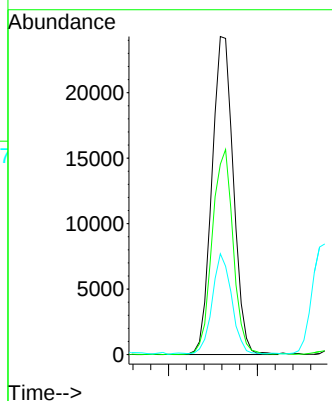
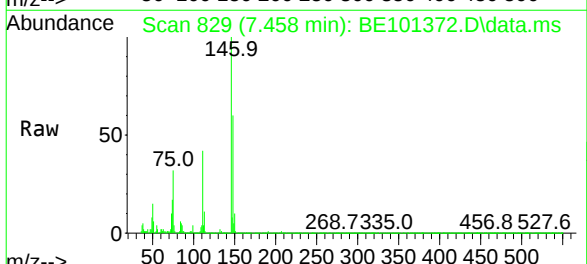
Manual Integrations
APPROVED

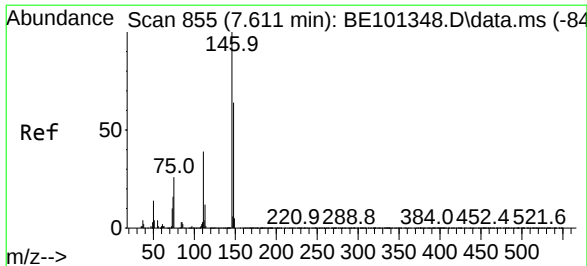
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#12
1,3-Dichlorobenzene
Concen: 4.017 ng
RT: 7.458 min Scan# 829
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	59.8	50.8	76.2
75	31.7	22.1	33.1





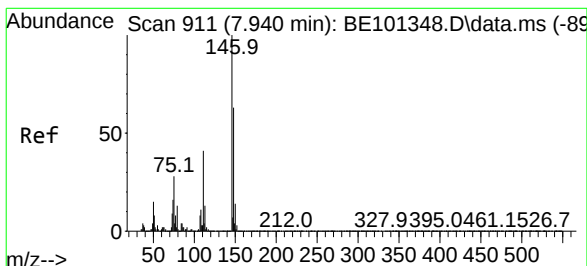
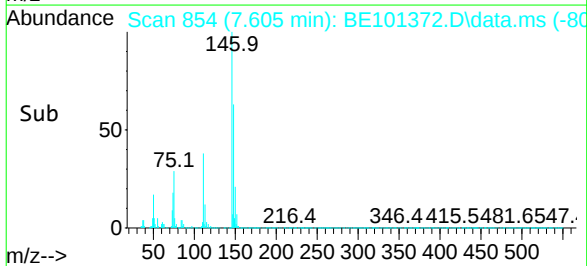
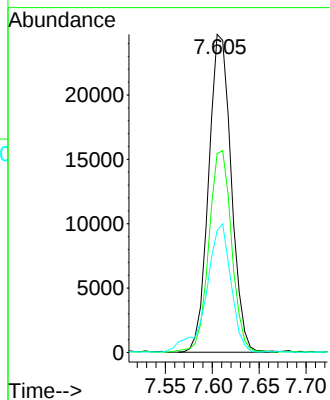
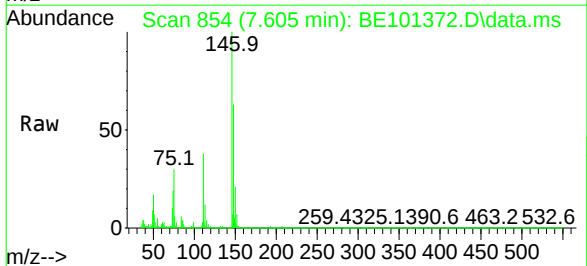
#13
1,4-Dichlorobenzene
Concen: 4.008 ng
RT: 7.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:	146	Resp:	41455
Ion Ratio	Lower	Upper	
146	100		
148	62.5	51.1	76.7
111	38.3	31.1	46.7

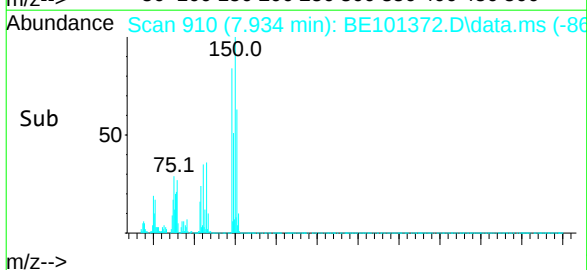
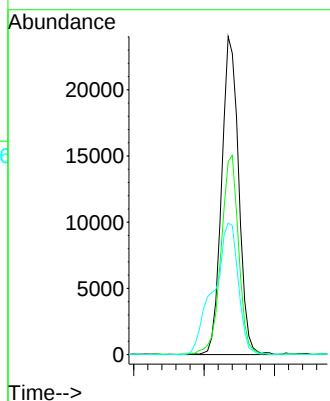
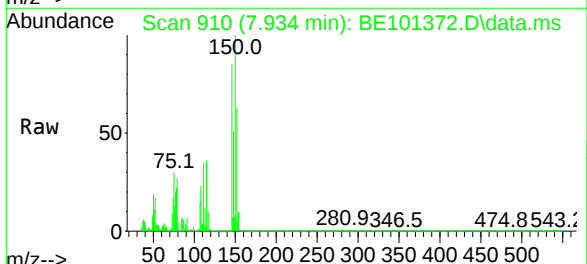
Manual Integrations
APPROVED

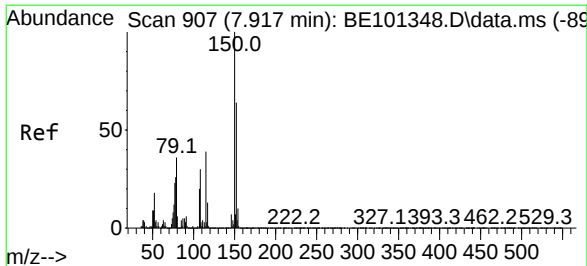
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#14
1,2-Dichlorobenzene
Concen: 3.936 ng
RT: 7.934 min Scan# 910
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	146	Resp:	40343
Ion Ratio	Lower	Upper	
146	100		
148	60.6	50.4	75.6
111	41.3	32.6	48.8





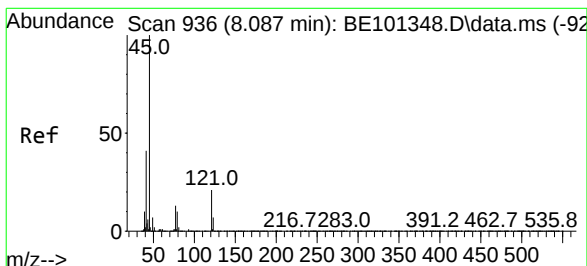
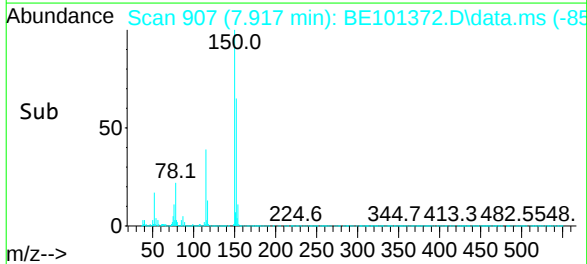
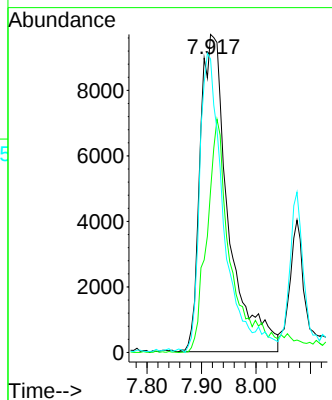
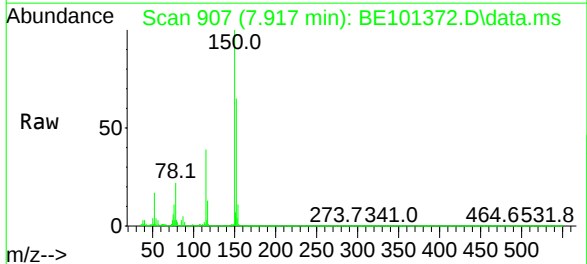
#15
Benzyl Alcohol
Concen: 5.273 ng
RT: 7.917 min Scan# 907
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt	Ion	79	Resp:	34988
Ion	Ratio	Lower	Upper	
79	100			
108	50.9	66.0	99.0	
77	92.3	51.0	76.6	

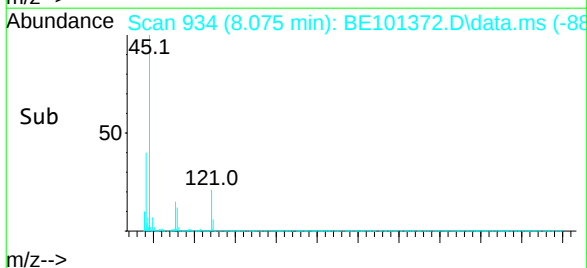
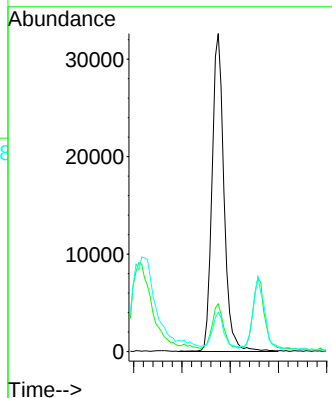
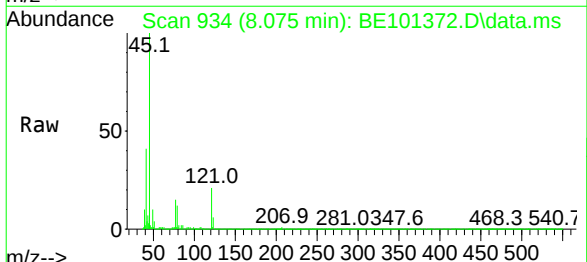
Manual Integrations
APPROVED

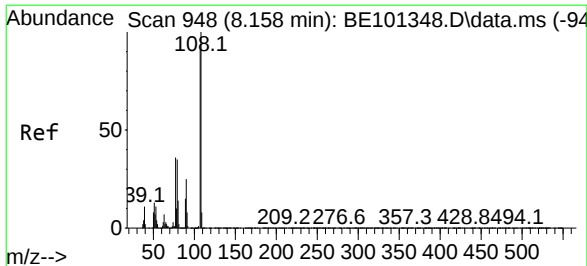
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.292 ng
RT: 8.075 min Scan# 934
Delta R.T. -0.012 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

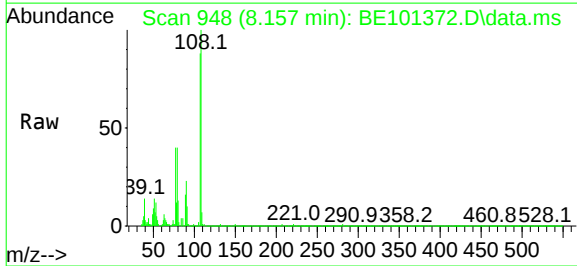
Tgt	Ion	45	Resp:	56067
Ion	Ratio	Lower	Upper	
45	100			
77	15.0	0.0	34.3	
79	12.4	0.0	31.6	





#17
2-Methylphenol
Concen: 3.475 ng
RT: 8.157 min Scan# 948
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

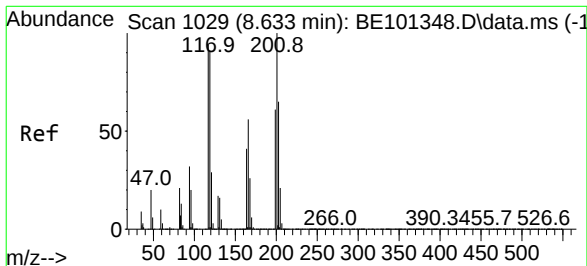
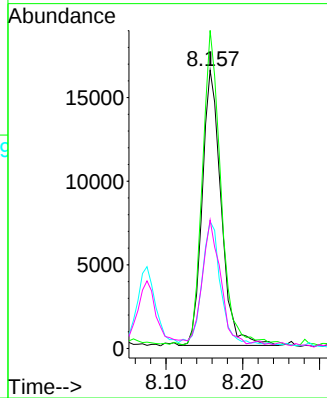
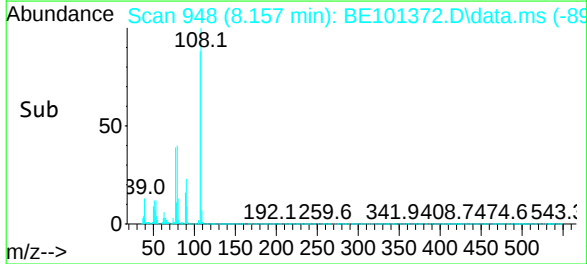
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt	Ion	107	Resp:	28202
Ion	Ratio	Lower	Upper	
107	100			
108	114.3	88.2	132.2	
77	45.6	34.9	52.3	
79	46.2	33.3	49.9	

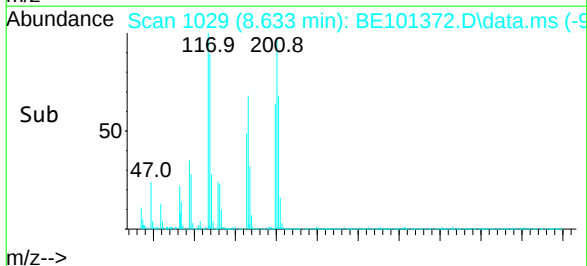
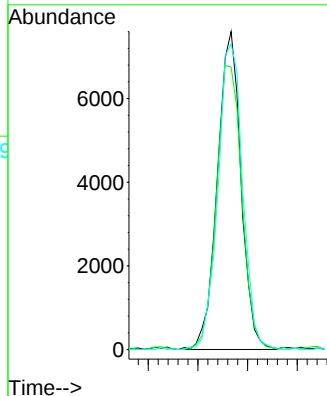
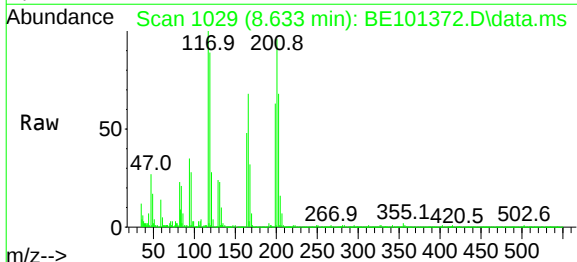
Manual Integrations
APPROVED

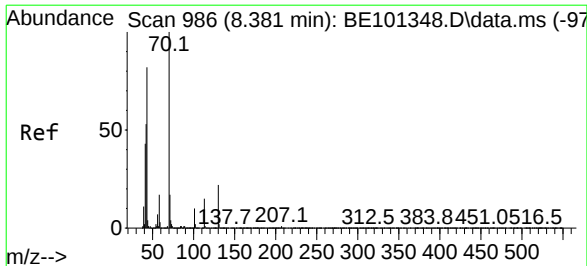
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#18
Hexachloroethane
Concen: 3.704 ng
RT: 8.633 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt	Ion	117	Resp:	12529
Ion	Ratio	Lower	Upper	
117	100			
119	88.8	77.4	116.2	
201	96.1	84.8	127.2	





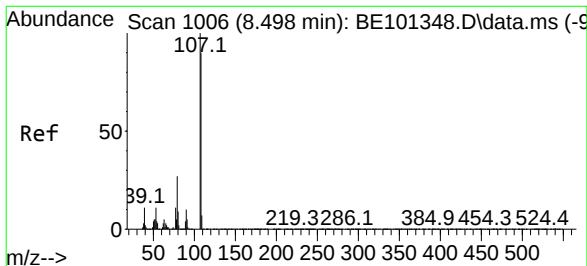
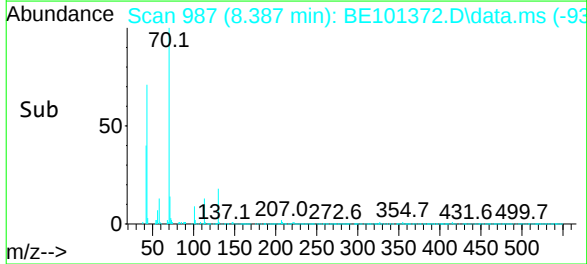
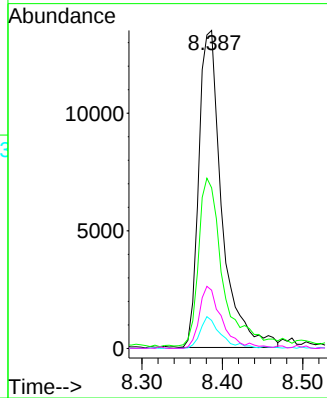
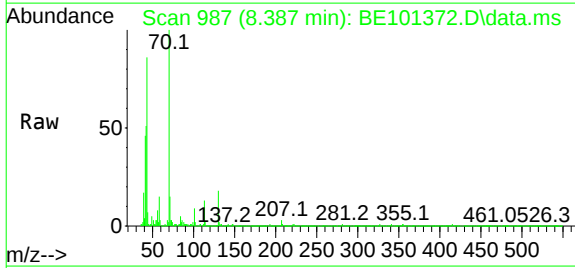
#19
n-Nitroso-di-n-propylamine
Concen: 3.415 ng
RT: 8.387 min Scan# 986
Delta R.T. 0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:	70	Resp:	26853
Ion	Ratio	Lower	Upper
70	100		
42	50.5	42.5	63.7
101	8.8	7.8	11.6
130	18.3	17.9	26.9

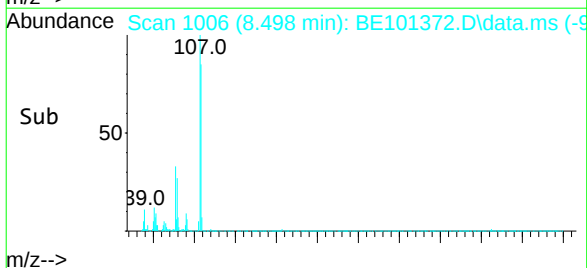
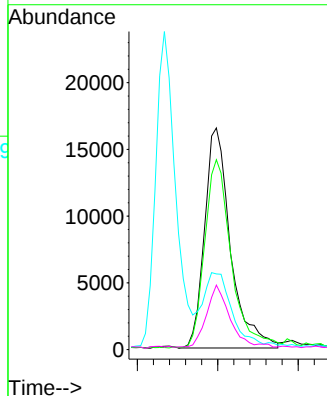
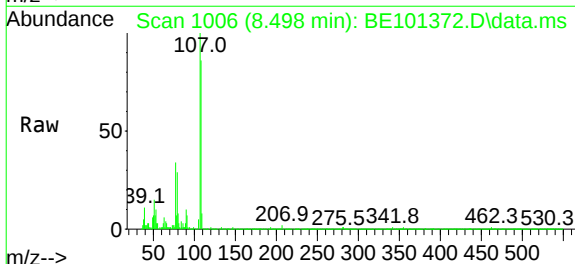
Manual Integrations
APPROVED

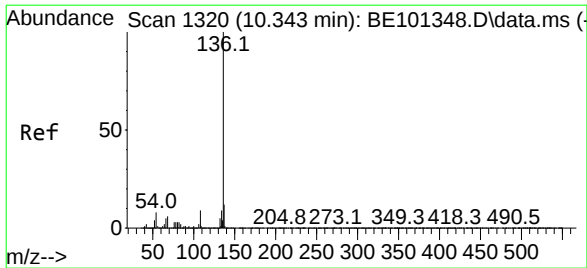
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#20
3+4-Methylphenols
Concen: 3.235 ng
RT: 8.498 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	107	Resp:	36943
Ion	Ratio	Lower	Upper
107	100		
108	85.7	70.4	110.4
77	34.1	12.5	52.5
79	29.1	7.3	47.3





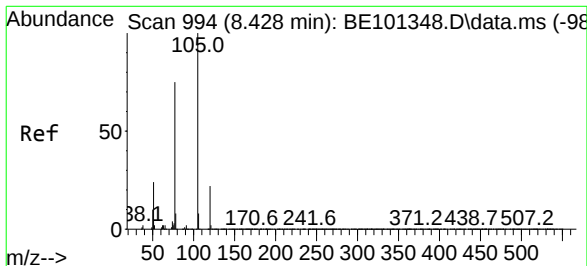
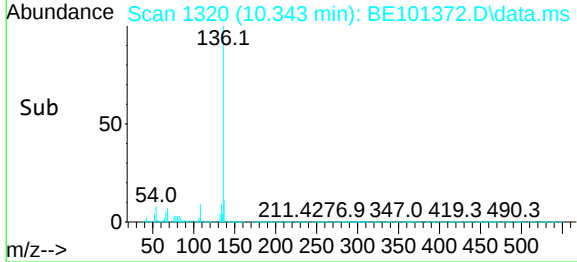
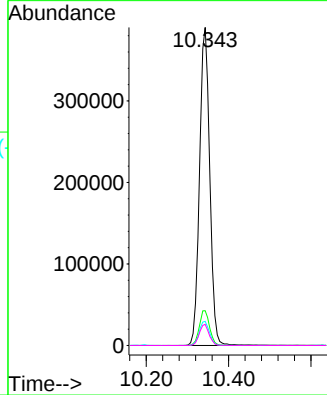
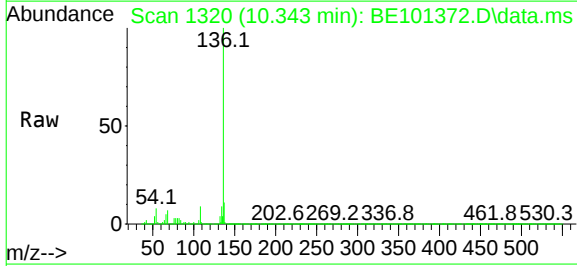
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.343 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:	136	Resp:	671135
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.3	13.9
54	7.6	6.1	9.1
68	6.6	5.1	7.7

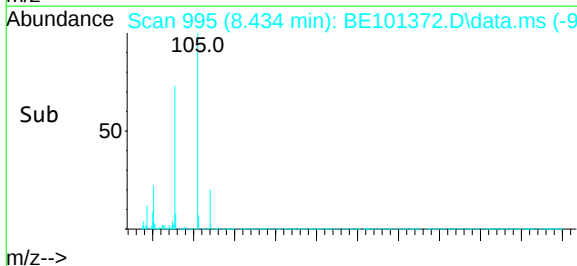
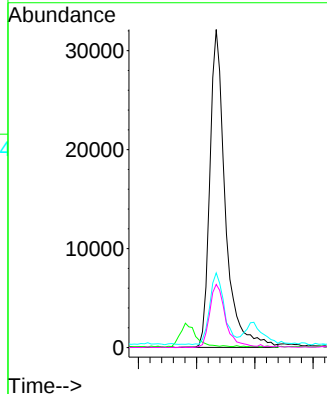
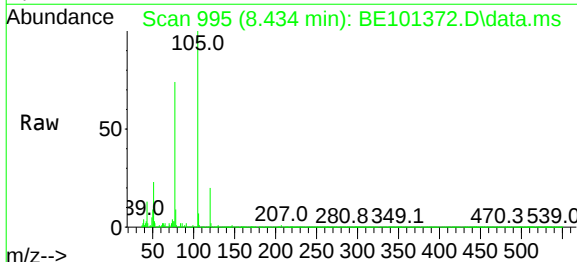
Manual Integrations
APPROVED

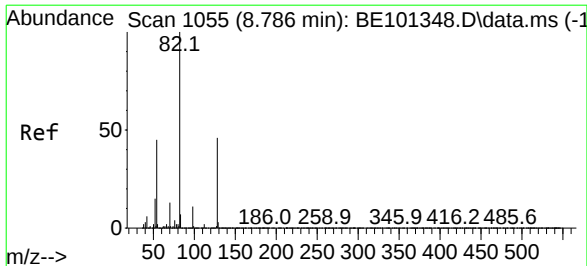
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#22
Acetophenone
Concen: 3.807 ng
RT: 8.434 min Scan# 995
Delta R.T. 0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	105	Resp:	59245
Ion Ratio	Lower	Upper	
105	100		
71	0.6	0.1	0.1#
51	23.5	19.0	28.4
120	19.9	17.7	26.5





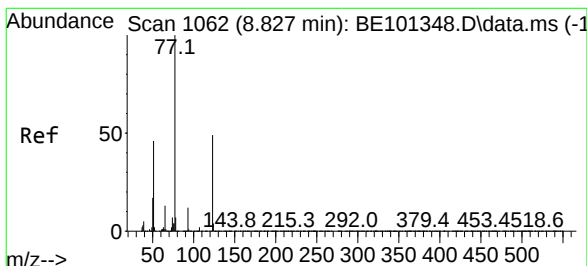
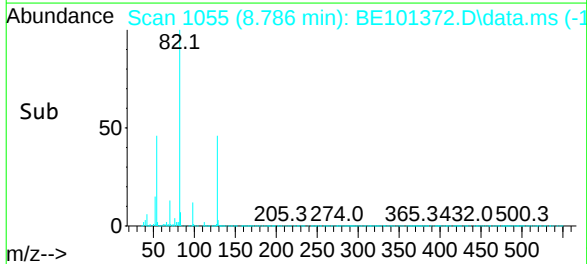
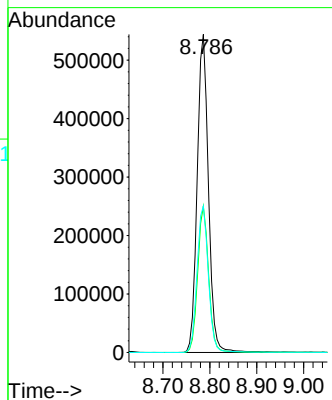
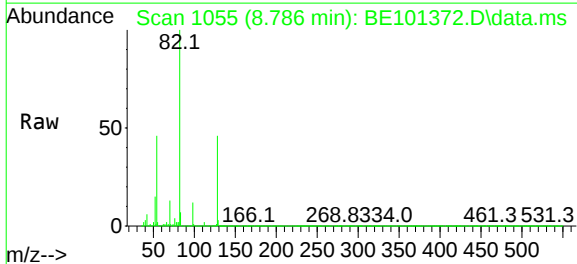
#23
Nitrobenzene-d5
Concen: 85.774 ng
RT: 8.786 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion: 82 Resp: 908005
Ion Ratio Lower Upper
82 100
128 46.0 36.8 55.2
54 46.0 36.2 54.4

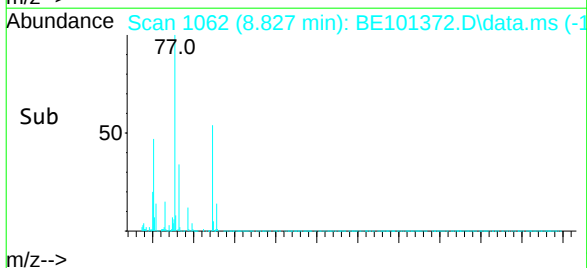
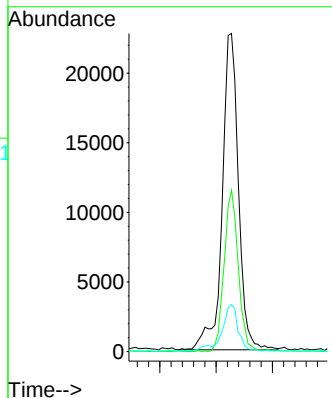
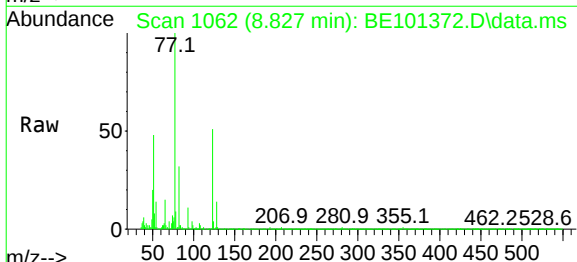
Manual Integrations
APPROVED

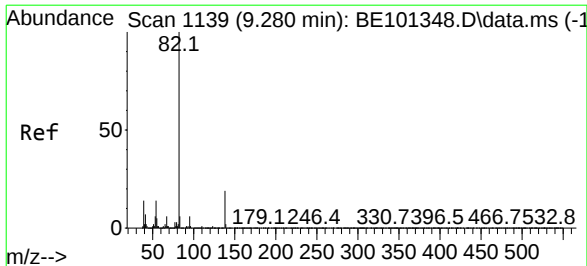
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#24
Nitrobenzene
Concen: 4.029 ng
RT: 8.827 min Scan# 1062
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

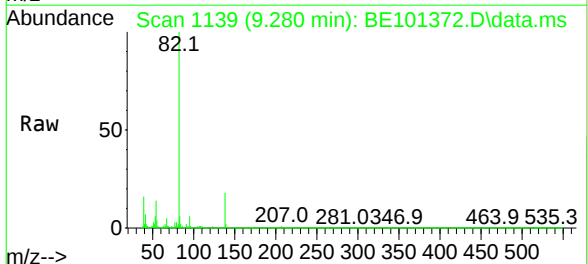
Tgt Ion: 77 Resp: 45535
Ion Ratio Lower Upper
77 100
123 50.7 39.0 58.4
65 14.7 10.2 15.4





#25
Isophorone
Concen: 3.557 ng
RT: 9.280 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

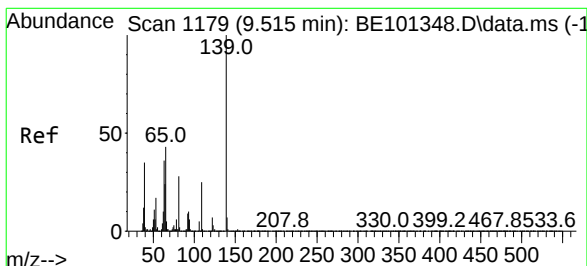
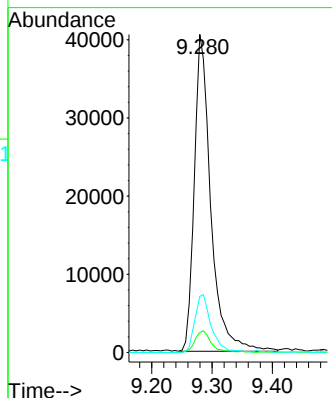
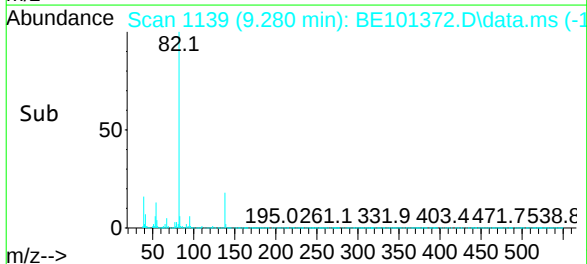
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt Ion: 82 Resp: 77093
Ion Ratio Lower Upper
82 100
95 6.3 5.2 7.8
138 17.7 15.0 22.6

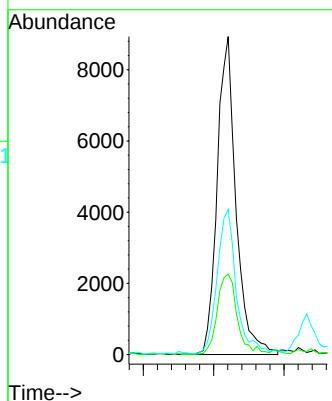
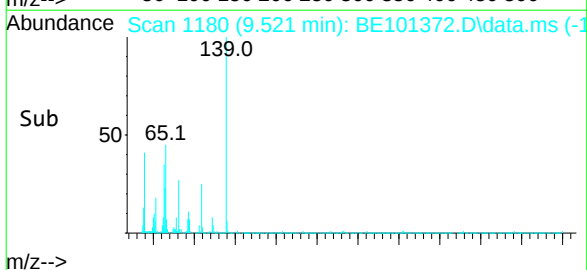
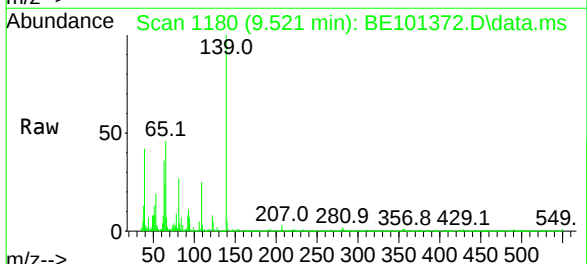
Manual Integrations
APPROVED

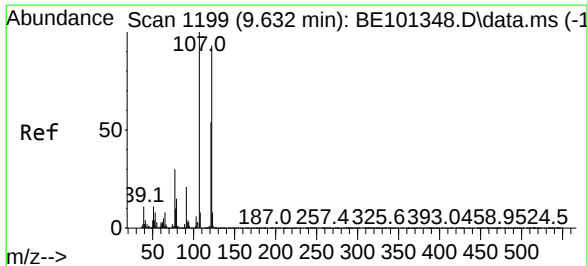
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#26
2-Nitrophenol
Concen: 3.114 ng
RT: 9.521 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

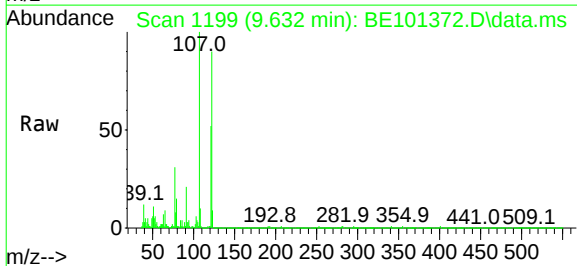
Tgt Ion:139 Resp: 16609
Ion Ratio Lower Upper
139 100
109 25.3 19.8 29.6
65 45.7 34.6 52.0





#27
2,4-Dimethylphenol
Concen: 3.012 ng
RT: 9.632 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

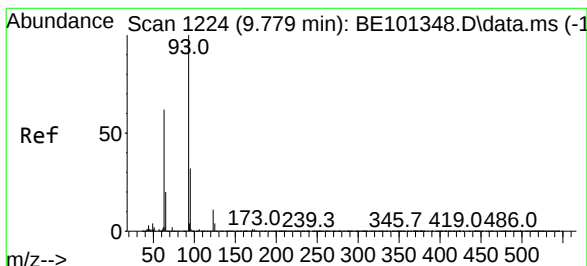
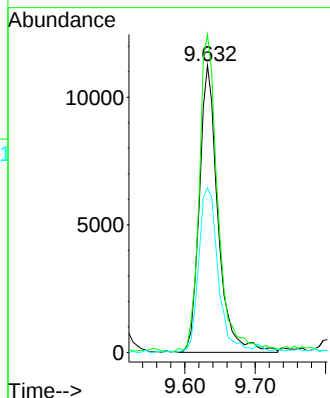
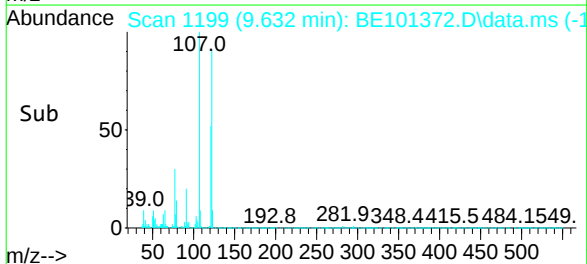
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt	Ion	122	Resp	20624
Ion	Ratio	Lower	Upper	
122	100			
107	110.8	86.4	129.6	
121	57.3	46.3	69.5	

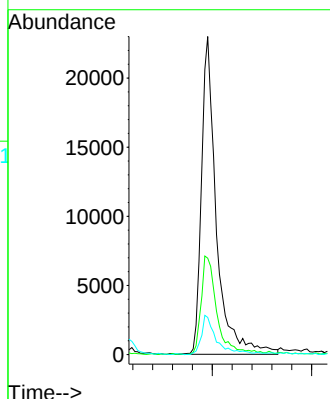
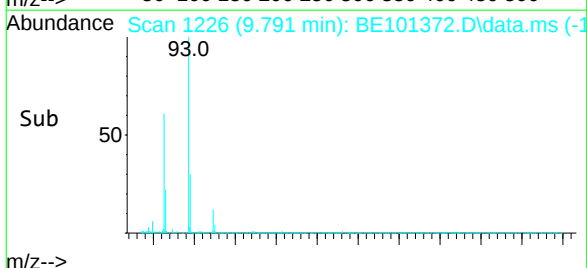
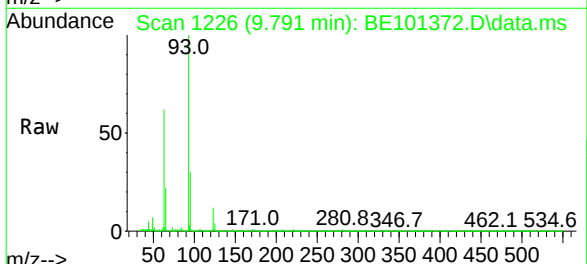
Manual Integrations
APPROVED

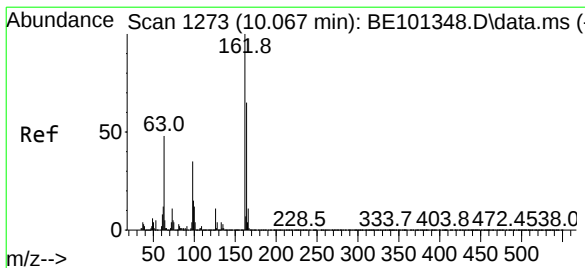
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#28
bis(2-Chloroethoxy)methane
Concen: 3.658 ng
RT: 9.791 min Scan# 1226
Delta R.T. 0.012 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt	Ion	93	Resp	47952
Ion	Ratio	Lower	Upper	
93	100			
95	30.3	26.0	39.0	
123	11.7	9.0	13.4	





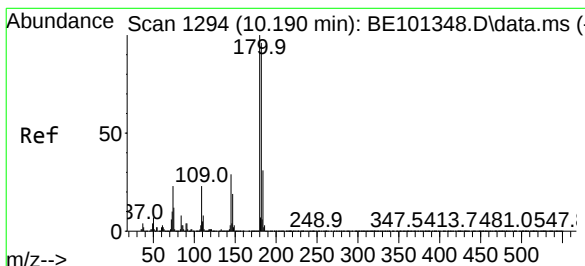
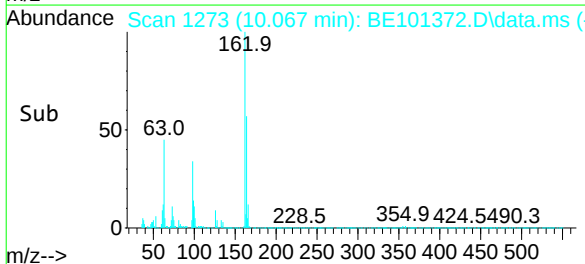
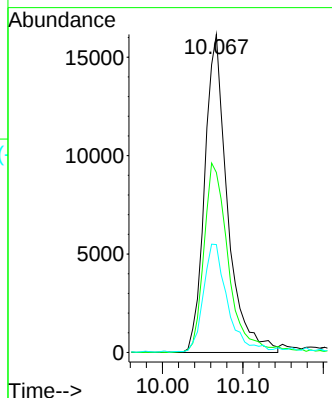
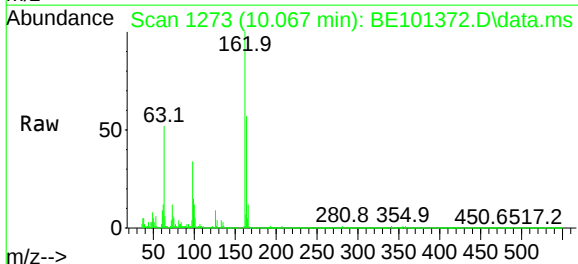
#29
2,4-Dichlorophenol
Concen: 3.389 ng
RT: 10.067 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:	162	Resp:	31776
Ion	Ratio	Lower	Upper
162	100		
164	56.6	44.6	84.6
98	33.9	14.7	54.7

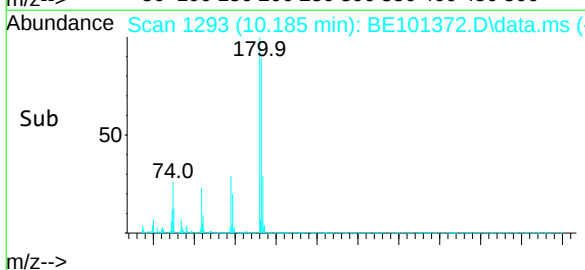
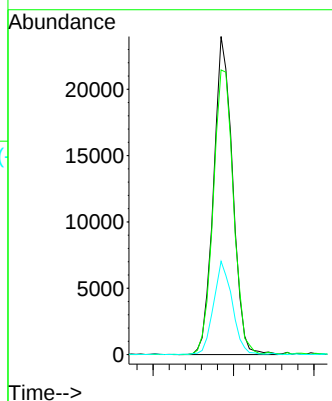
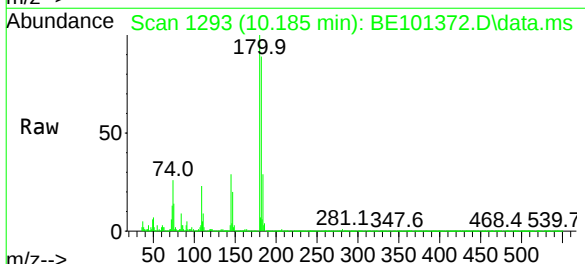
Manual Integrations
APPROVED

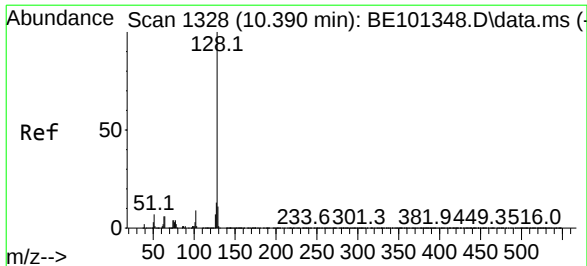
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.893 ng
RT: 10.185 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	180	Resp:	39456
Ion	Ratio	Lower	Upper
180	100		
182	89.5	76.6	114.8
145	29.3	23.5	35.3





#31

Naphthalene

Concen: 3.920 ng

RT: 10.390 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

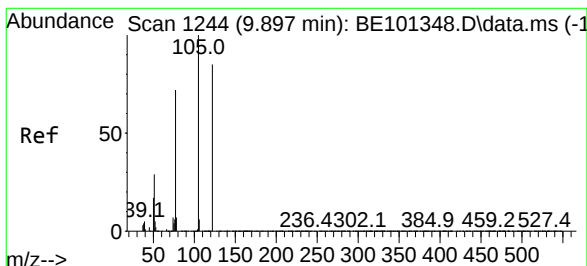
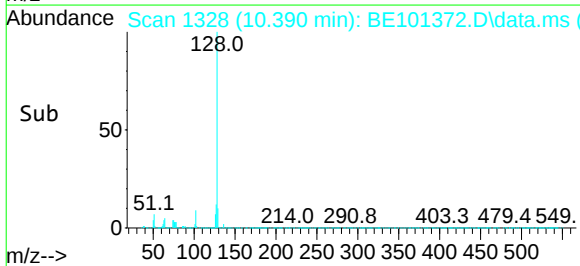
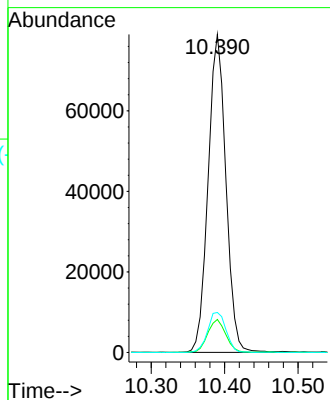
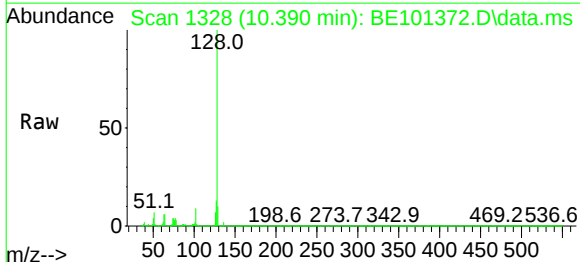
Tgt Ion:	128	Resp:	132730
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.8	13.2
127	12.6	10.3	15.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#32

Benzoic acid

Concen: 8.448 ng m

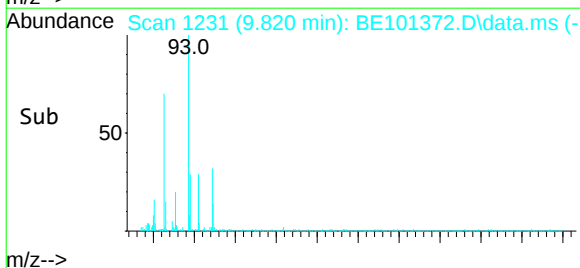
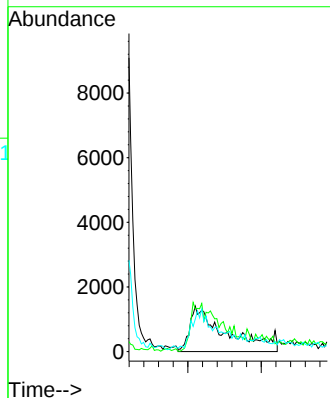
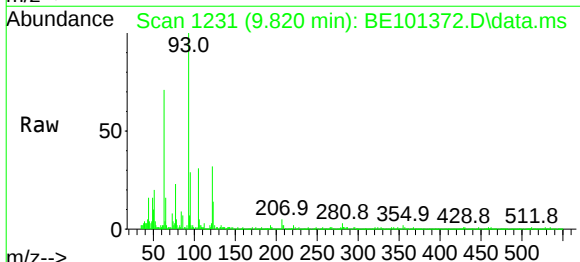
RT: 9.820 min Scan# 1231

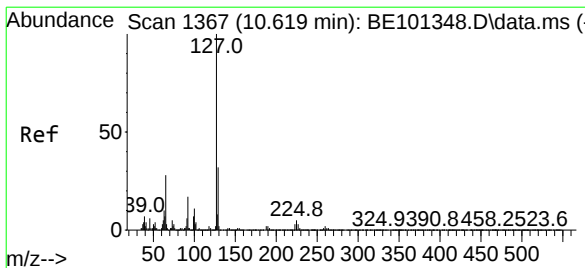
Delta R.T. -0.077 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	122	Resp:	9518
Ion Ratio	Lower	Upper	
122	100		
105	94.0	96.7	136.7#
77	71.7	64.8	104.8





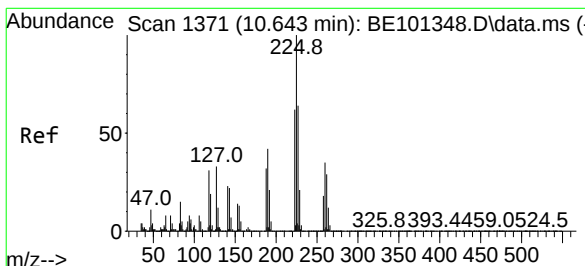
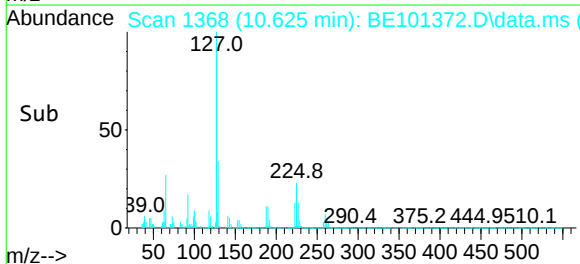
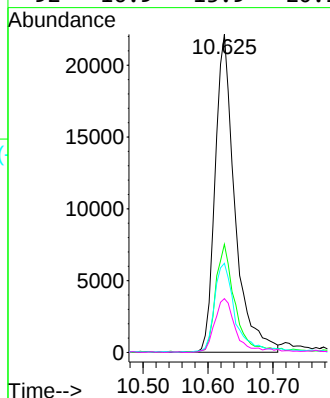
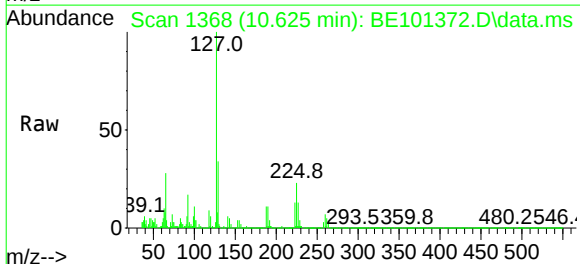
#33
4-Chloroaniline
Concen: 3.601 ng
RT: 10.625 min Scan# 1367
Delta R.T. 0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:	127	Resp:	46657
Ion	Ratio	Lower	Upper
127	100		
129	34.0	25.8	38.8
65	28.0	22.5	33.7
92	16.9	13.9	20.9

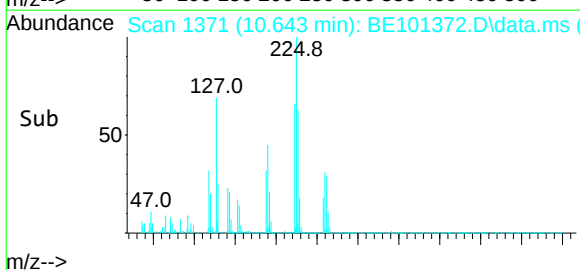
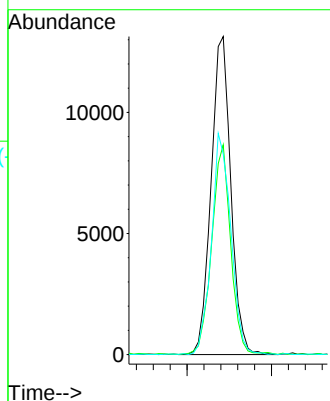
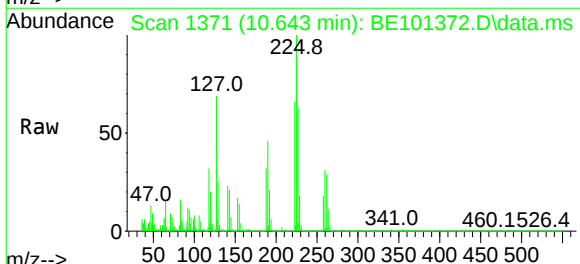
Manual Integrations
APPROVED

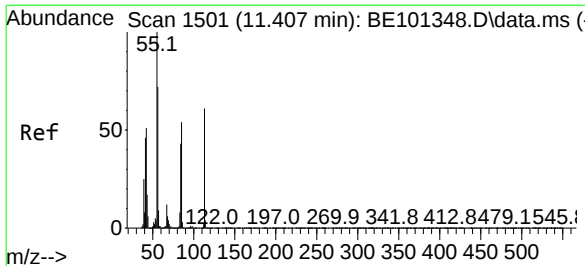
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#34
Hexachlorobutadiene
Concen: 3.620 ng
RT: 10.643 min Scan# 1371
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

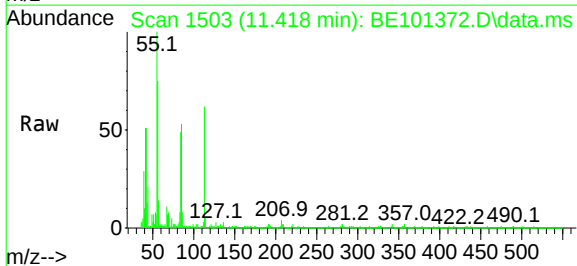
Tgt Ion:	225	Resp:	21312
Ion	Ratio	Lower	Upper
225	100		
223	65.9	49.8	74.8
227	63.1	51.3	76.9





#35
Caprolactam
Concen: 3.071 ng m
RT: 11.418 min Scan# 1501
Delta R.T. 0.012 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

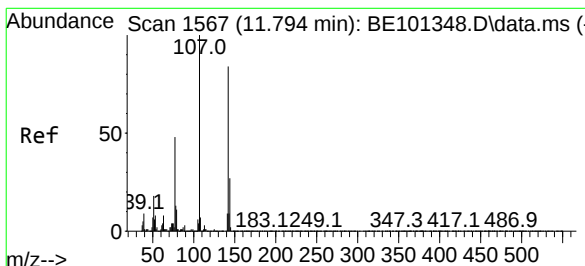
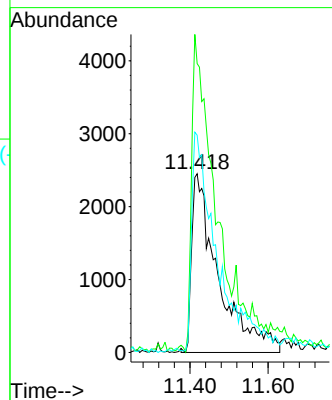
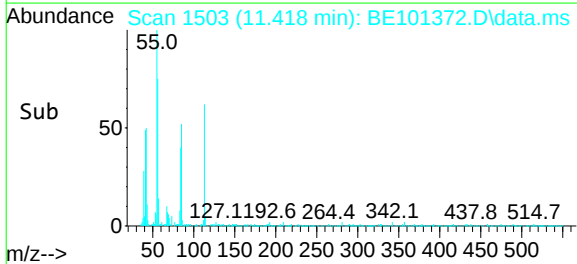
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



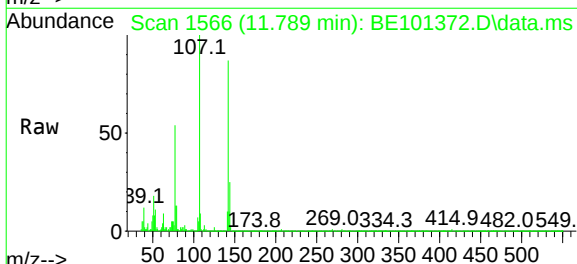
Tgt Ion:113 Resp: 11635
Ion Ratio Lower Upper
113 100
55 161.6 144.8 184.8
56 121.6 99.3 139.3

Manual Integrations
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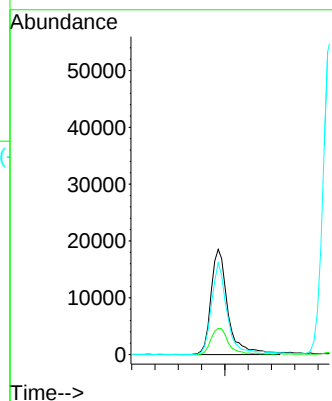
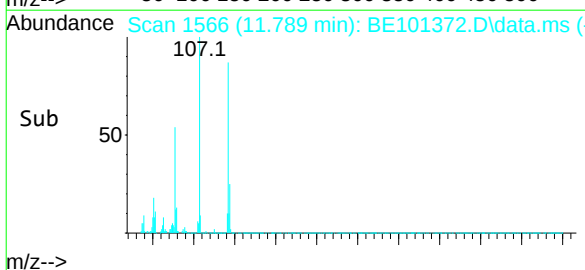
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

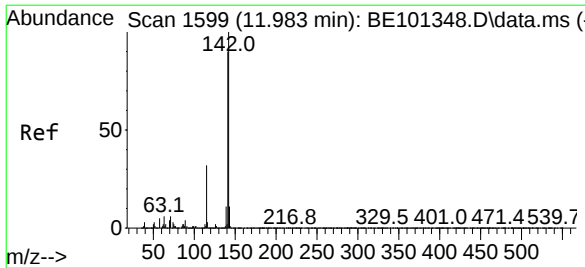


#36
4-Chloro-3-methylphenol
Concen: 3.387 ng
RT: 11.789 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29



Tgt Ion:107 Resp: 37533
Ion Ratio Lower Upper
107 100
144 24.9 21.9 32.9
142 87.3 67.4 101.2





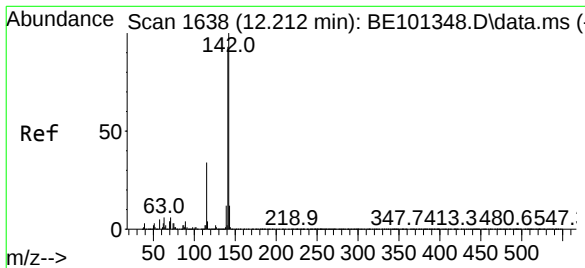
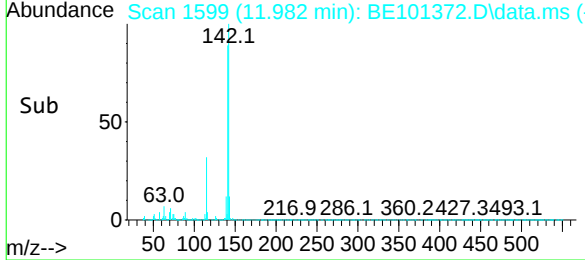
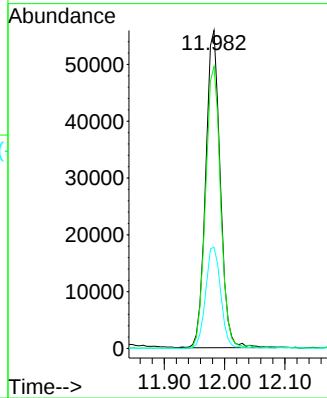
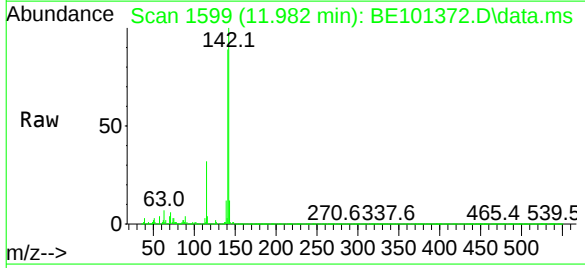
#37
2-Methylnaphthalene
Concen: 3.786 ng
RT: 11.982 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.8	107.6
115	31.8	25.6	38.4

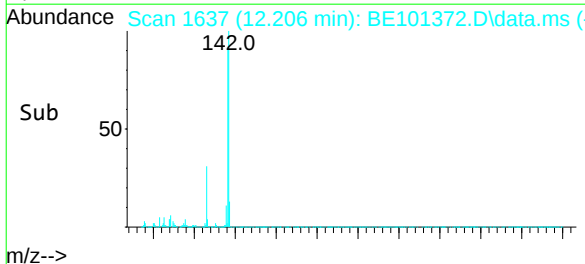
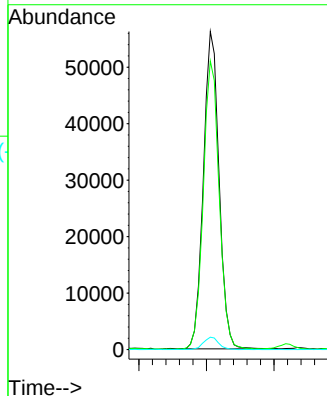
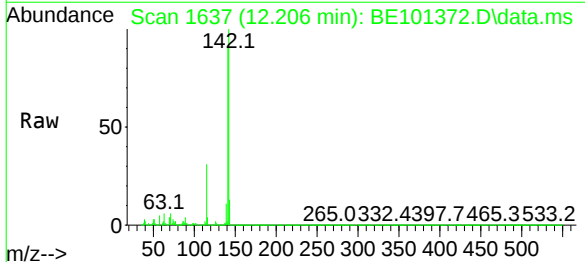
Manual Integrations
APPROVED

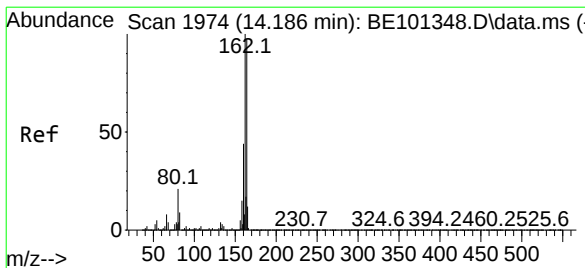
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#38
1-Methylnaphthalene
Concen: 3.640 ng
RT: 12.206 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.3	111.5
116	3.9	2.9	4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.180 min Scan# 19

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

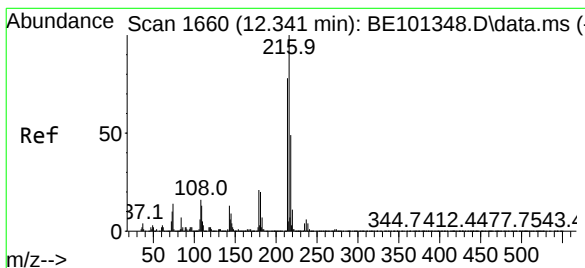
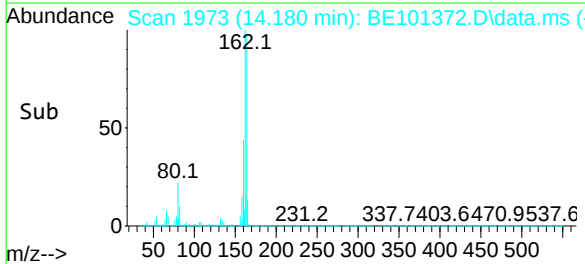
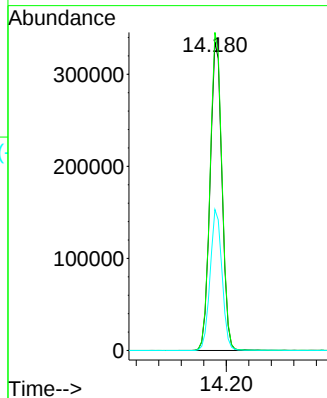
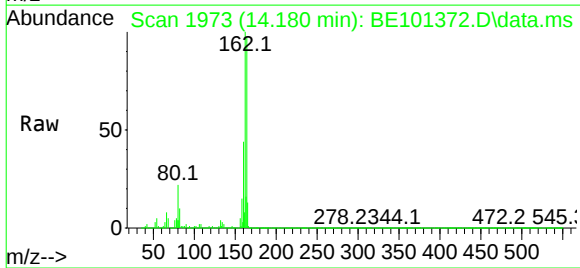
Tgt Ion:	164	Resp:	492772
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.6	123.8
160	45.7	36.1	54.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.899 ng

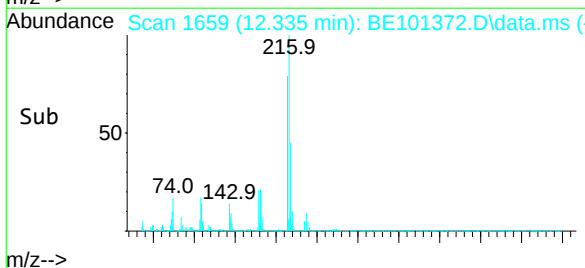
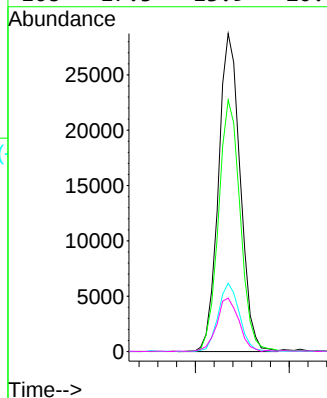
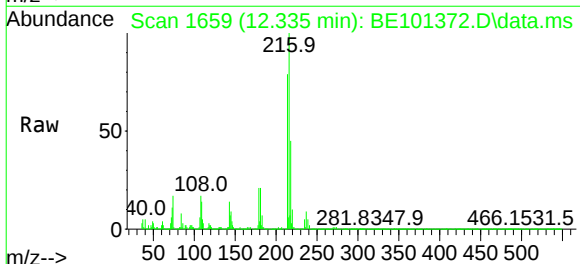
RT: 12.335 min Scan# 1659

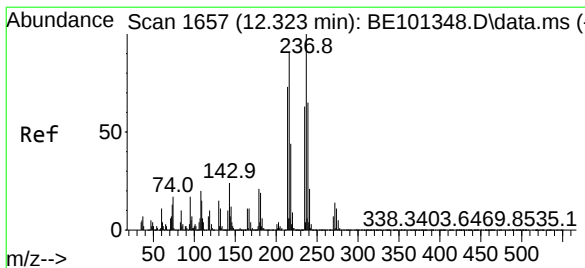
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	216	Resp:	46280
Ion Ratio	Lower	Upper	
216	100		
214	79.1	62.6	94.0
179	20.9	16.9	25.3
108	17.3	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 3.087 ng

RT: 12.317 min Scan# 16

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

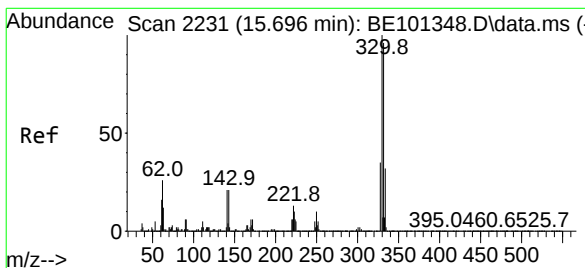
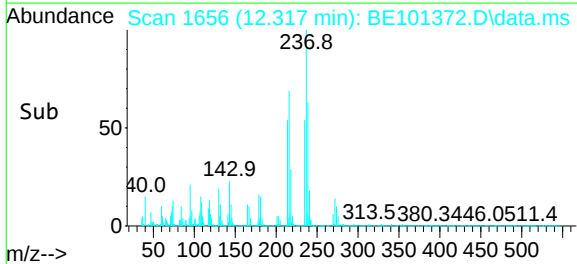
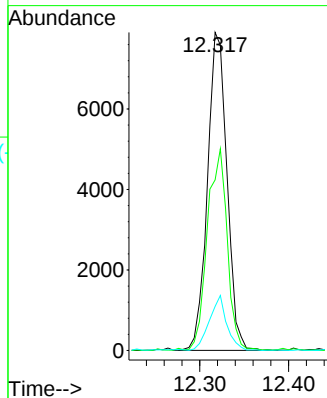
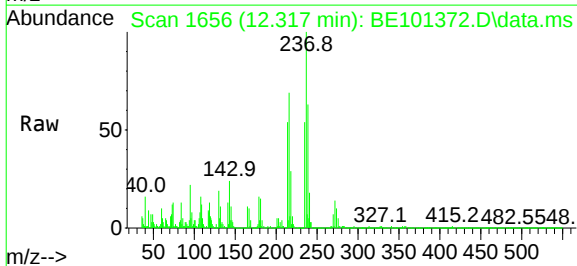
Tgt	Ion	237	Resp:	12041
Ion	Ratio	Lower	Upper	
237	100			
235	53.6	42.9	82.9	
272	13.9	0.0	34.0	

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#42

2,4,6-Tribromophenol

Concen: 130.187 ng

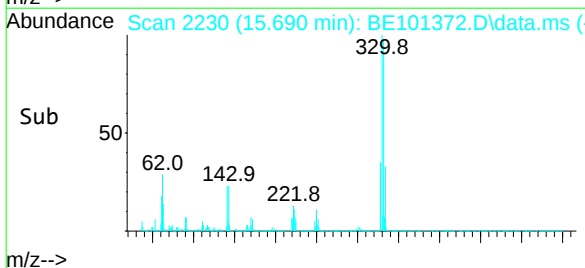
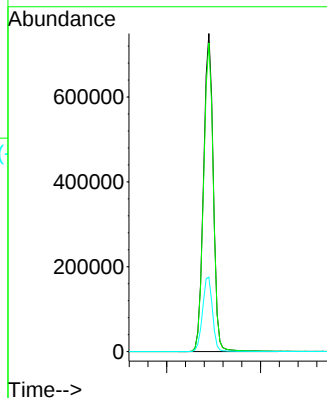
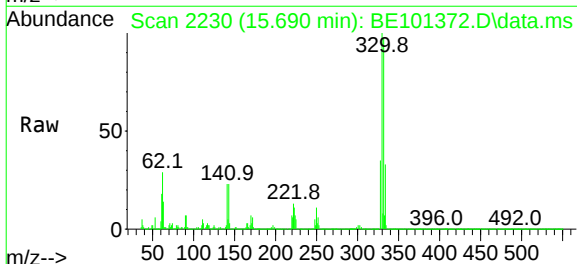
RT: 15.690 min Scan# 2230

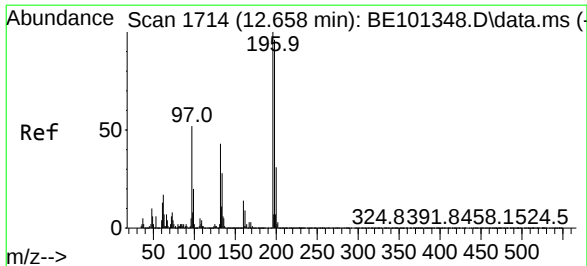
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion	330	Resp:	1079023
Ion	Ratio	Lower	Upper	
330	100			
332	96.9	77.8	116.8	
141	24.0	19.1	28.7	





#43

2,4,6-Trichlorophenol

Concen: 3.255 ng

RT: 12.658 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

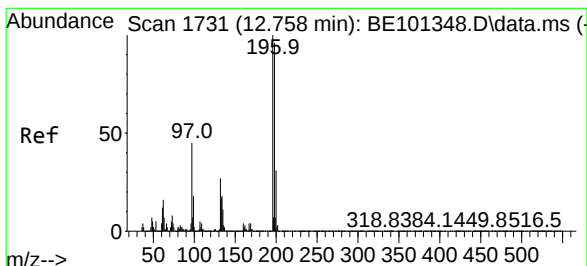
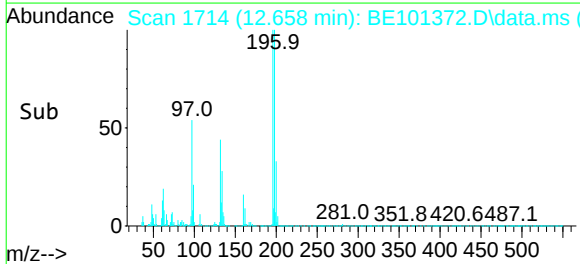
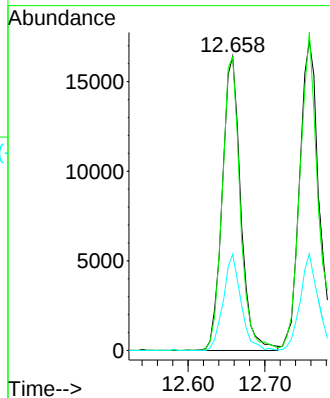
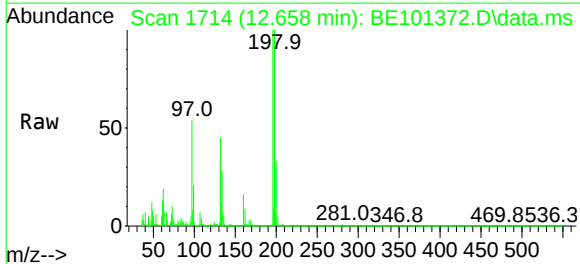
Tgt	Ion:196	Resp:	27367
Ion	Ratio	Lower	Upper
196	100		
198	99.8	76.8	115.2
200	32.7	25.0	37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#44

2,4,5-Trichlorophenol

Concen: 3.253 ng

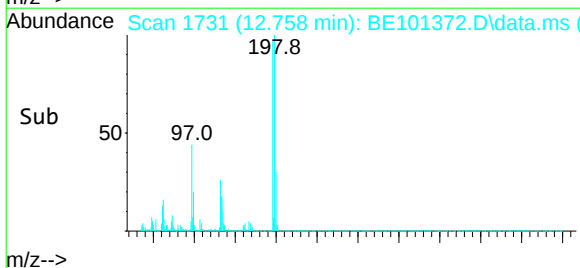
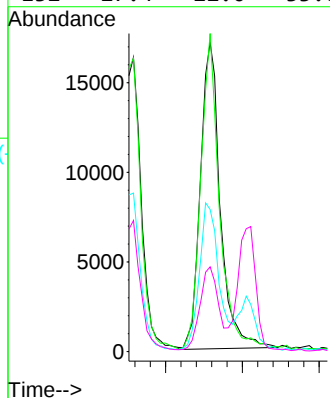
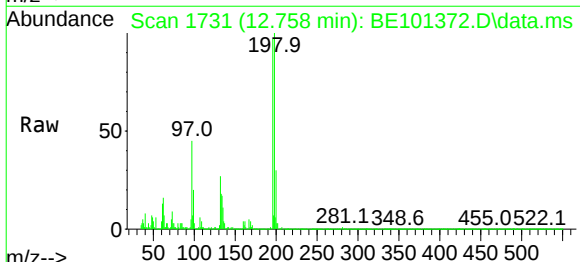
RT: 12.758 min Scan# 1731

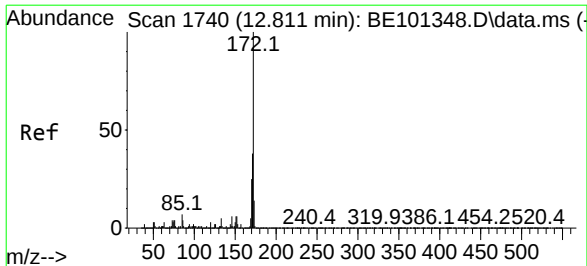
Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion:196	Resp:	30853
Ion	Ratio	Lower	Upper
196	100		
198	102.8	76.9	115.3
97	45.9	36.2	54.2
132	27.4	22.0	33.0





#45

2-Fluorobiphenyl

Concen: 85.533 ng

RT: 12.805 min Scan# 1739

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

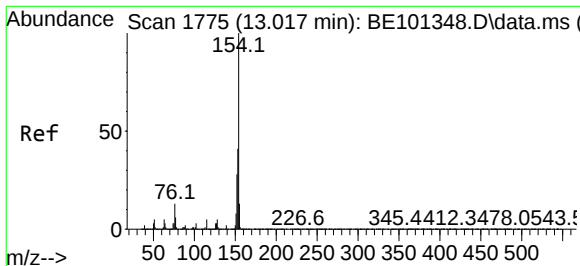
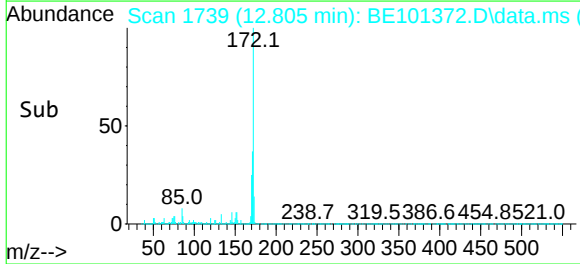
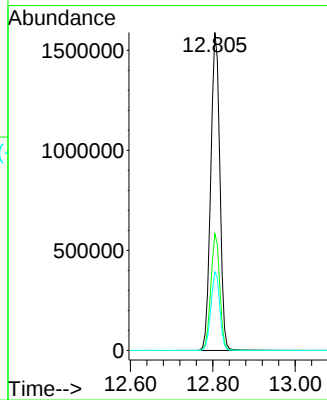
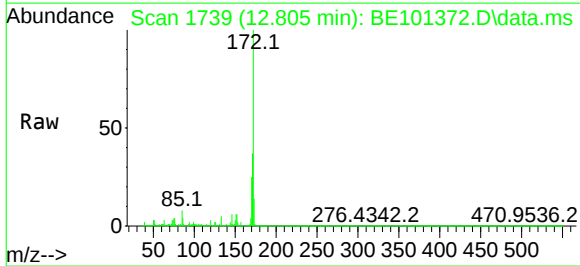
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt	Ion:172	Resp: 2439039
Ion	Ratio	Lower Upper
172	100	
171	36.7	30.2 45.2
170	24.7	20.2 30.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#46

1,1'-Biphenyl

Concen: 4.264 ng

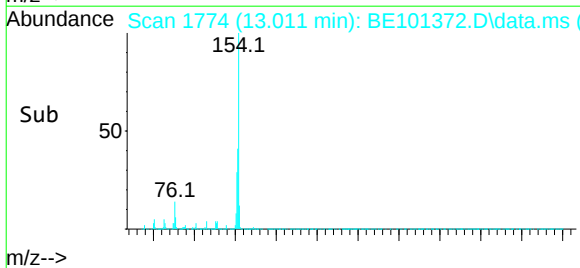
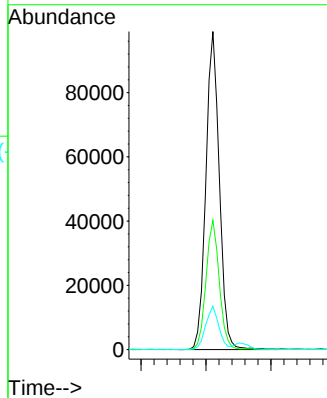
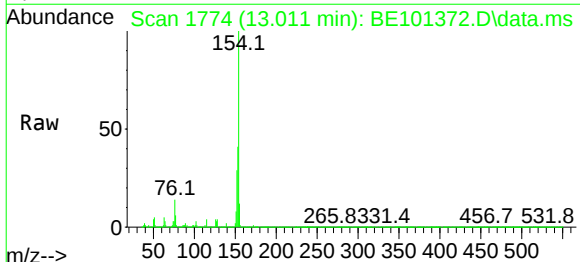
RT: 13.011 min Scan# 1774

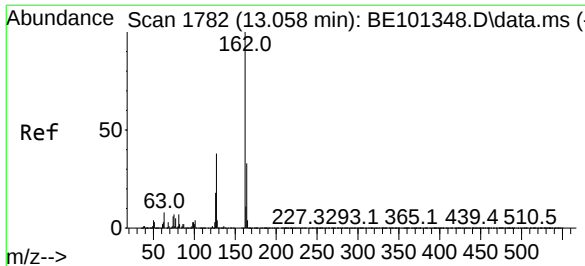
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion:154	Resp: 142396
Ion	Ratio	Lower Upper
154	100	
153	40.6	21.2 61.2
76	13.6	0.0 33.4





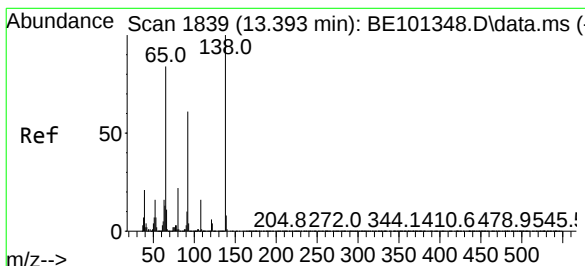
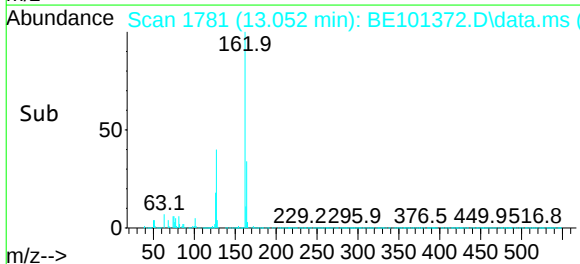
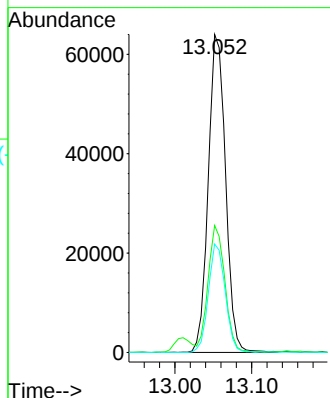
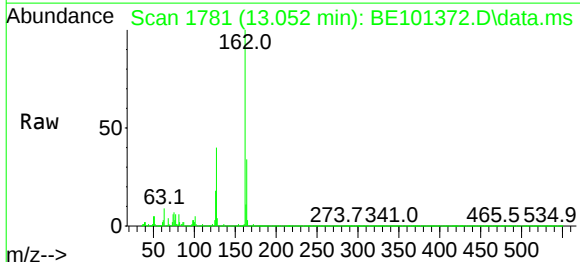
#47
2-Chloronaphthalene
Concen: 3.815 ng
RT: 13.052 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:	162	Resp:	100220
Ion Ratio	Lower	Upper	
162	100		
127	39.9	31.2	46.8
164	34.1	26.2	39.2

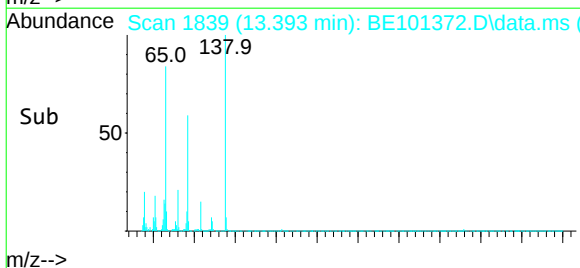
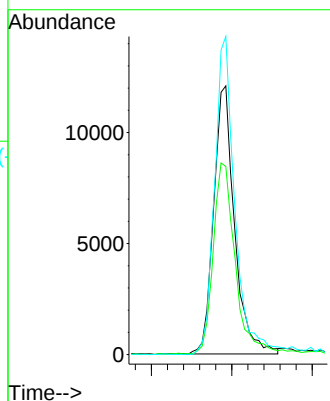
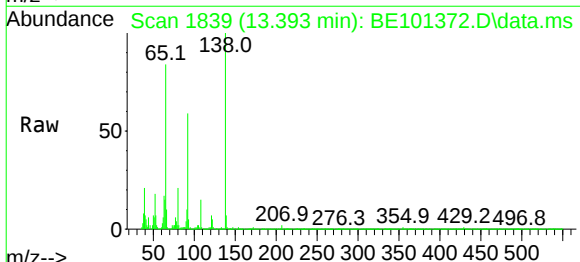
Manual Integrations
APPROVED

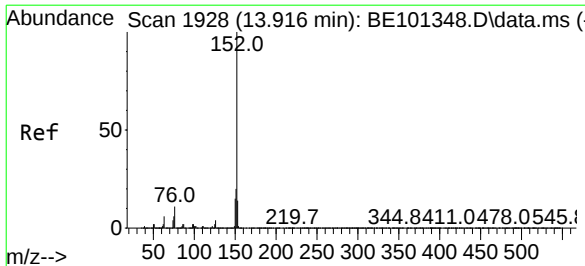
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#48
2-Nitroaniline
Concen: 3.086 ng
RT: 13.393 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	65	Resp:	21809
Ion Ratio	Lower	Upper	
65	100		
92	70.0	58.3	87.5
138	118.4	95.0	142.4





#49

Acenaphthylene

Concen: 4.102 ng

RT: 13.915 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

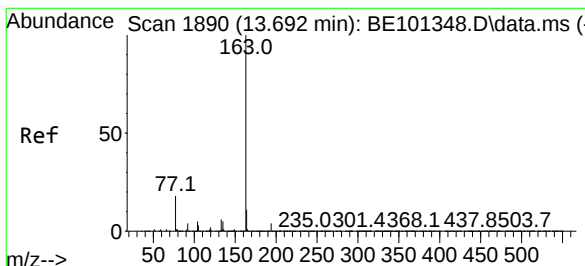
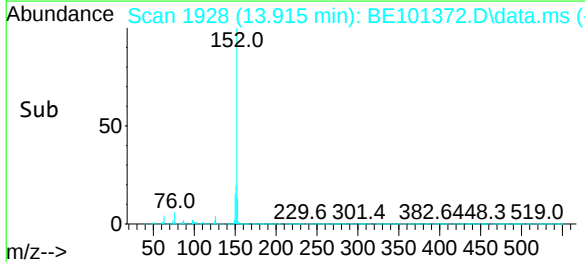
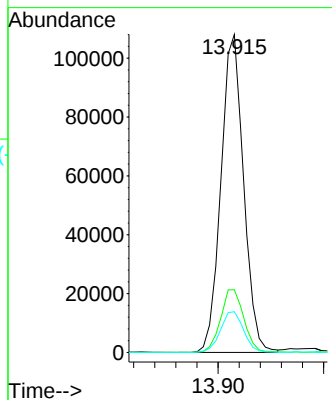
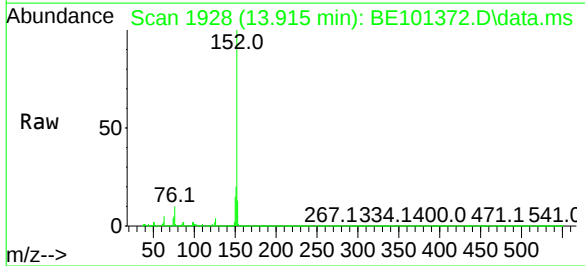
Tgt	Ion	152	Resp:	160770
Ion	Ratio	Lower	Upper	
152	100			
151	19.7	16.4	24.6	
153	12.8	11.1	16.7	

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#50

Dimethylphthalate

Concen: 3.934 ng

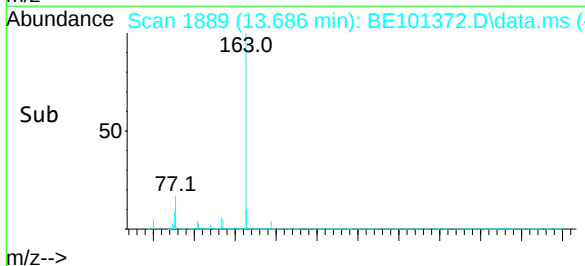
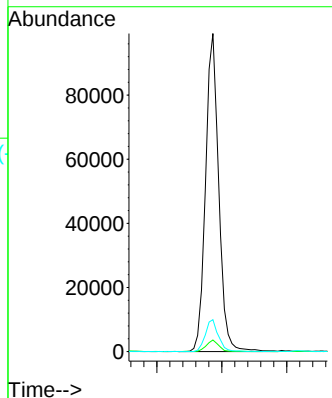
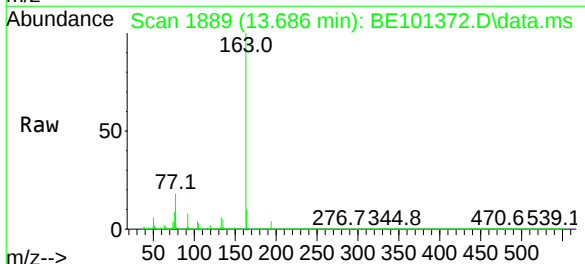
RT: 13.686 min Scan# 1889

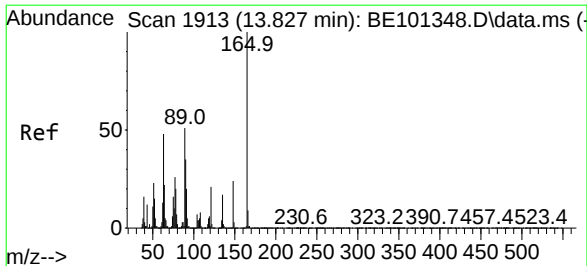
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

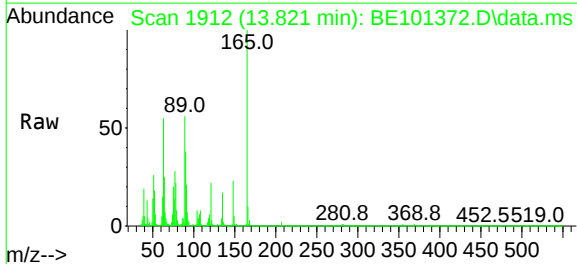
Tgt	Ion	163	Resp:	139901
Ion	Ratio	Lower	Upper	
163	100			
194	3.6	3.0	4.4	
164	10.0	8.5	12.7	





#51
2,6-Dinitrotoluene
Concen: 3.246 ng
RT: 13.821 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

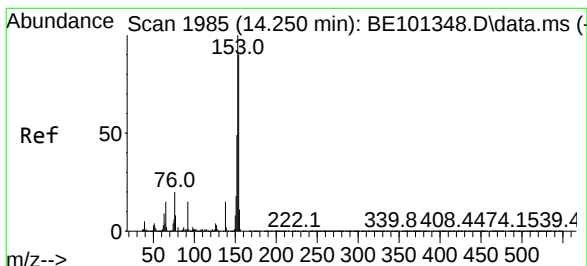
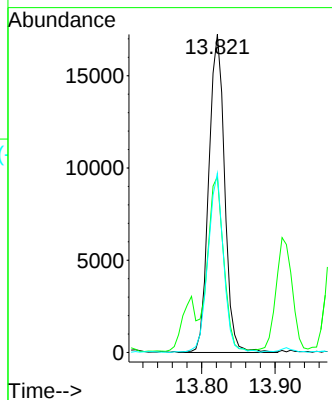
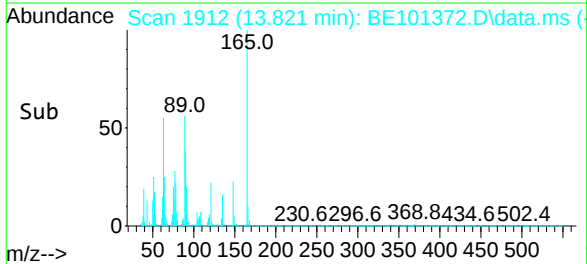
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt Ion:	165	Resp:	25827
Ion Ratio	Lower	Upper	
165	100		
63	55.2	38.5	57.7
89	56.3	40.5	60.7

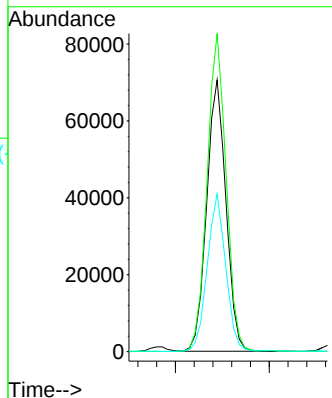
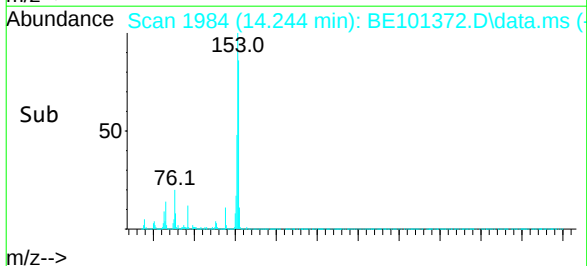
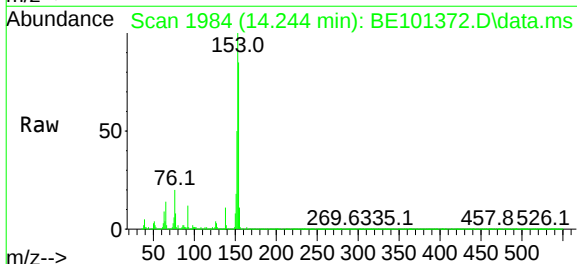
Manual Integrations
APPROVED

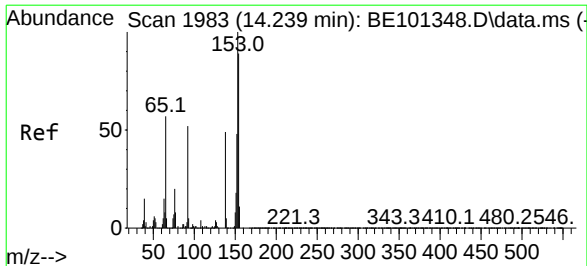
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#52
Acenaphthene
Concen: 3.899 ng
RT: 14.244 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	154	Resp:	100728
Ion Ratio	Lower	Upper	
154	100		
153	117.1	88.8	133.2
152	58.1	43.2	64.8





#53

3-Nitroaniline

Concen: 3.138 ng

RT: 14.239 min Scan# 19

Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

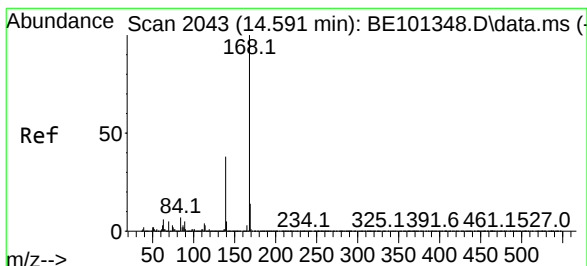
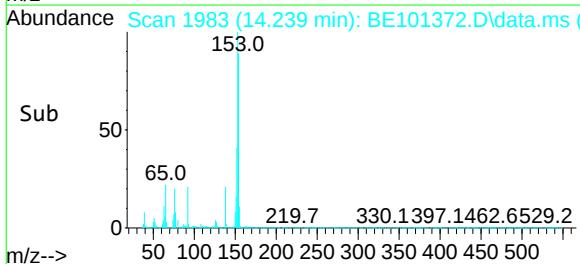
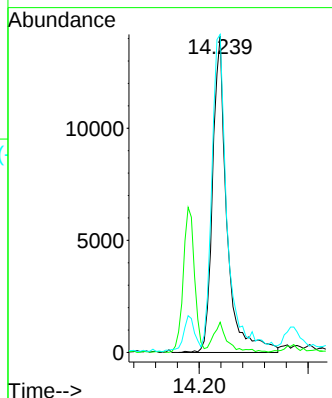
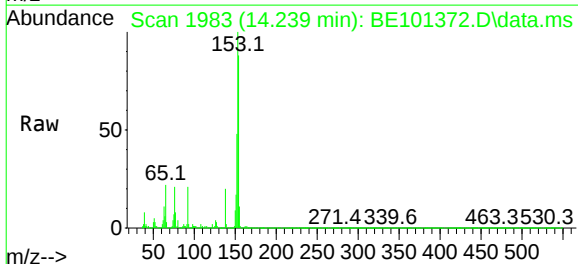
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	138	Resp:	25683
Ion Ratio	Lower	Upper	
138	100		
108	9.6	7.2	10.8
92	100.6	85.7	128.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#55

Dibenzofuran

Concen: 4.104 ng

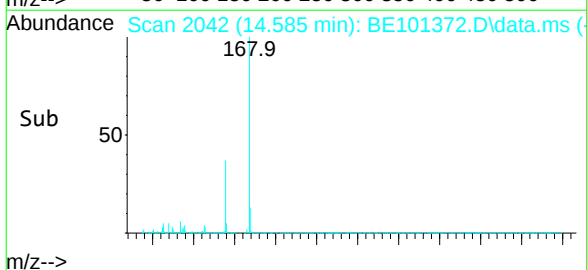
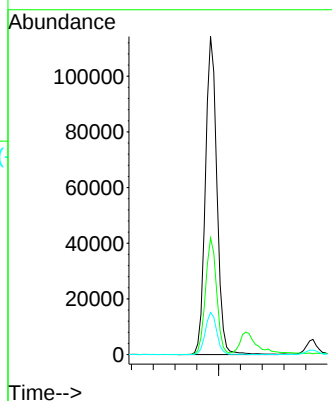
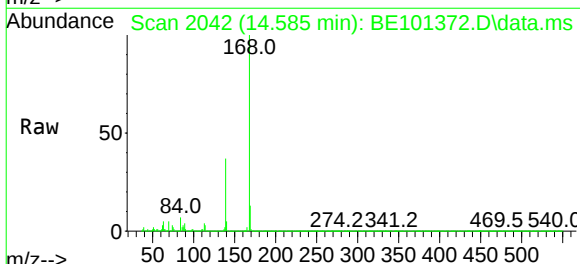
RT: 14.585 min Scan# 2042

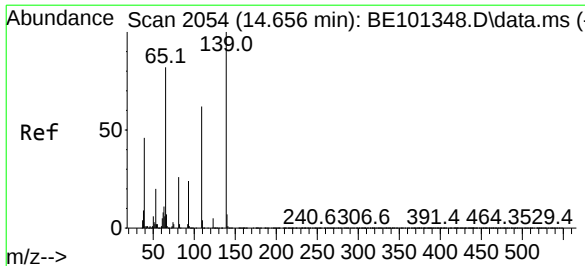
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	168	Resp:	167469
Ion Ratio	Lower	Upper	
168	100		
139	36.7	30.5	45.7
169	13.3	11.4	17.2





#56

4-Nitrophenol

Concen: 2.657 ng

RT: 14.650 min Scan# 2053

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

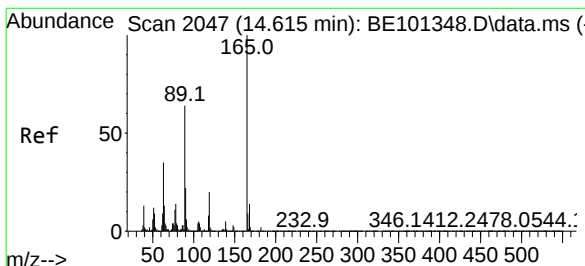
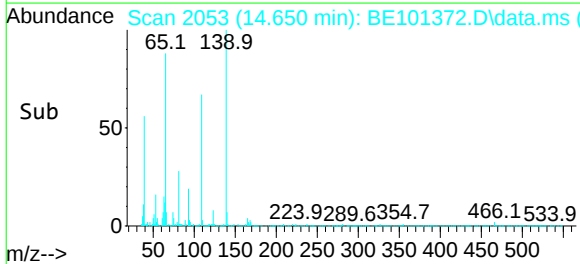
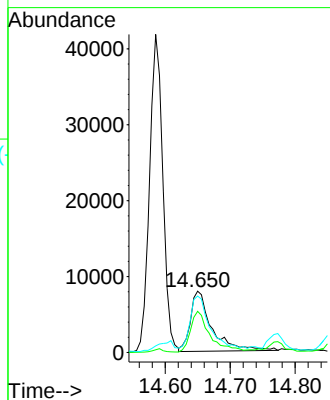
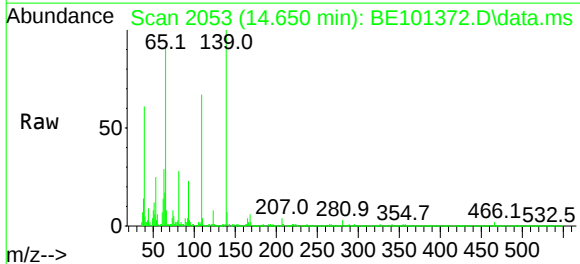
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt	Ion	139	Resp:	18083
Ion	Ratio	Lower	Upper	
139	100			
109	67.1	41.9	81.9	
65	92.0	63.0	103.0	

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#57

2,4-Dinitrotoluene

Concen: 2.888 ng

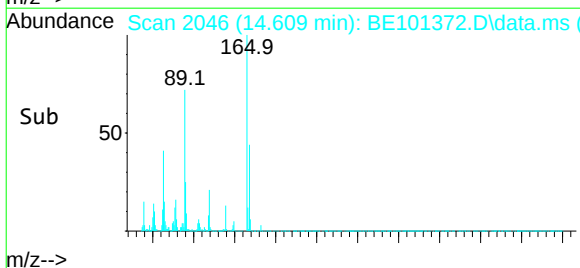
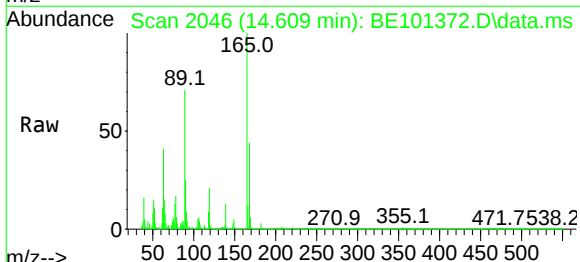
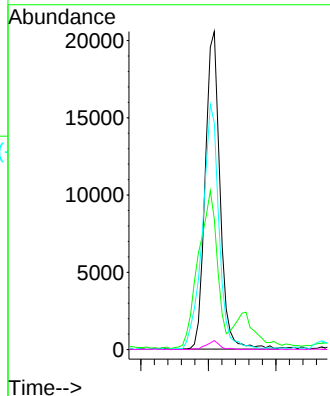
RT: 14.609 min Scan# 2046

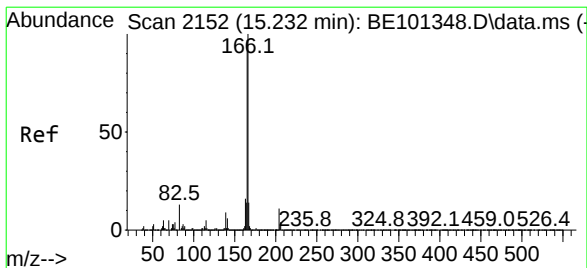
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion	165	Resp:	31287
Ion	Ratio	Lower	Upper	
165	100			
63	41.0	28.4	42.6	
89	71.3	51.0	76.4	
182	2.8	1.8	2.8	





#58

Fluorene

Concen: 3.996 ng

RT: 15.226 min Scan# 2152

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

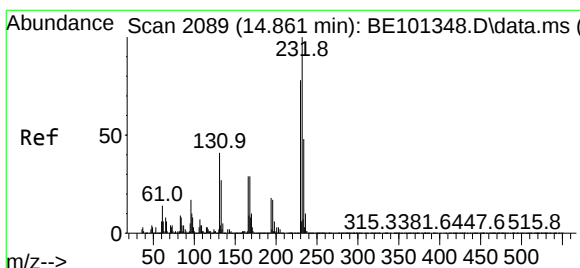
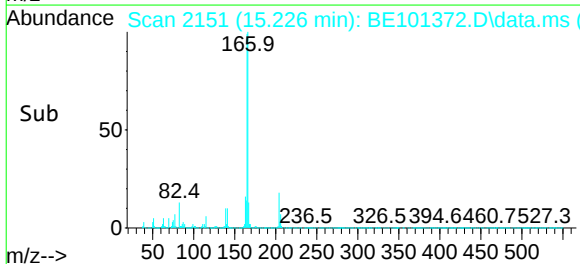
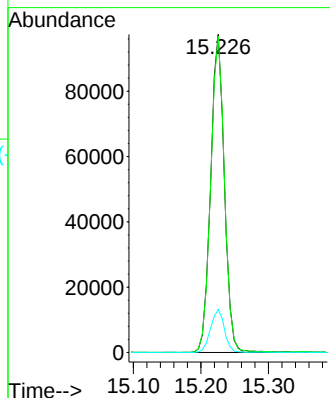
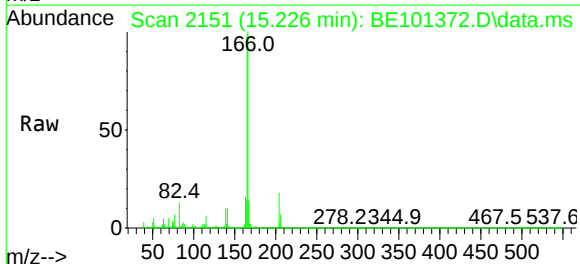
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	166	Resp:	137410
Ion Ratio	Lower	Upper	
166	100		
165	99.4	77.8	116.8
167	13.5	11.0	16.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.553 ng

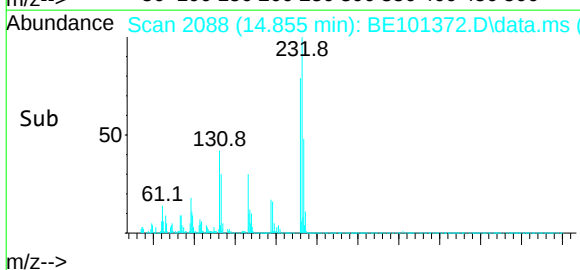
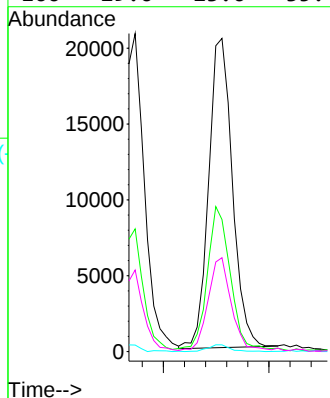
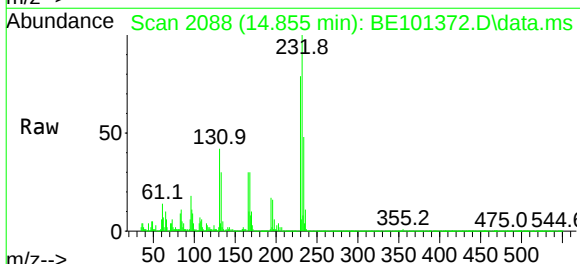
RT: 14.855 min Scan# 2088

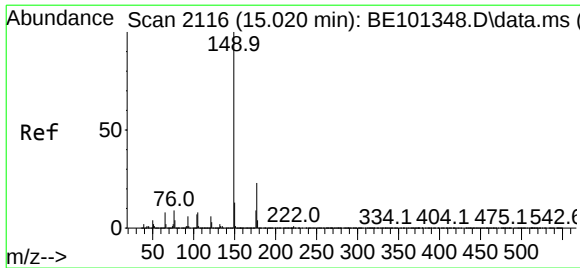
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	232	Resp:	31870
Ion Ratio	Lower	Upper	
232	100		
131	46.0	34.2	51.4
130	2.1	1.8	2.6
166	29.6	23.6	35.4





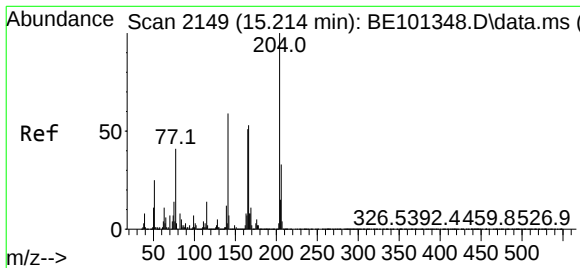
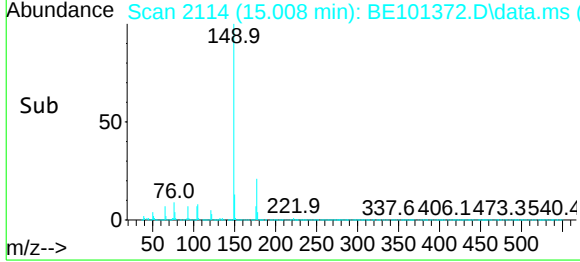
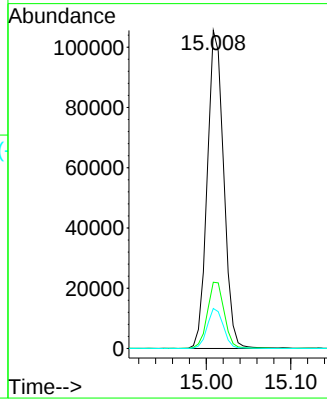
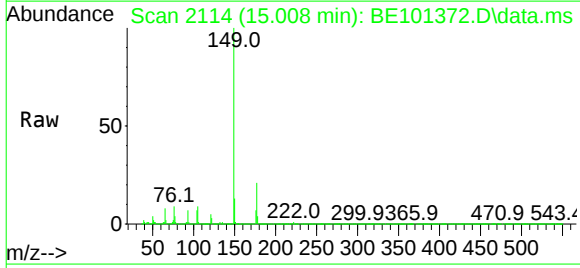
#60
Diethylphthalate
Concen: 3.863 ng
RT: 15.008 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:	149	Resp:	142504
Ion	Ratio	Lower	Upper
149	100		
177	20.8	18.4	27.6
150	12.6	10.0	15.0

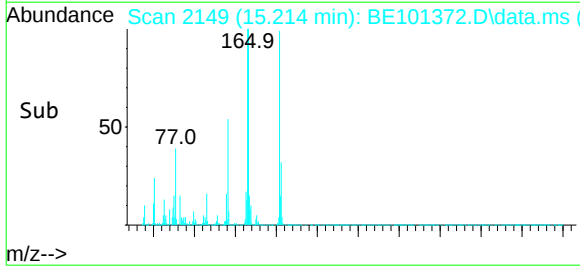
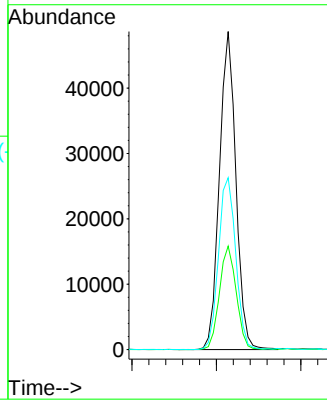
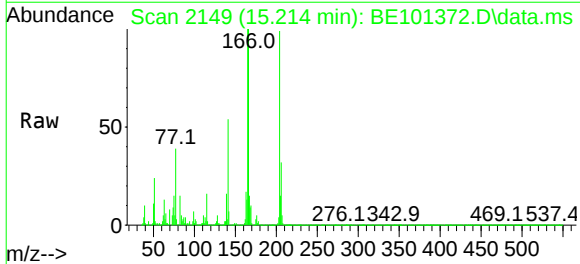
Manual Integrations
APPROVED

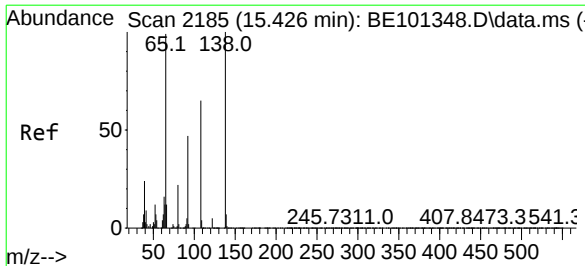
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#61
4-Chlorophenyl-phenylether
Concen: 3.911 ng
RT: 15.214 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	204	Resp:	65965
Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.2
141	54.0	47.2	70.8





#62

4-Nitroaniline

Concen: 2.673 ng

RT: 15.420 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

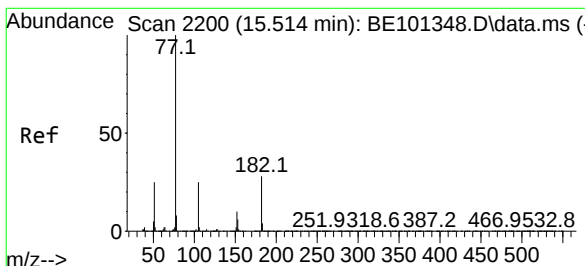
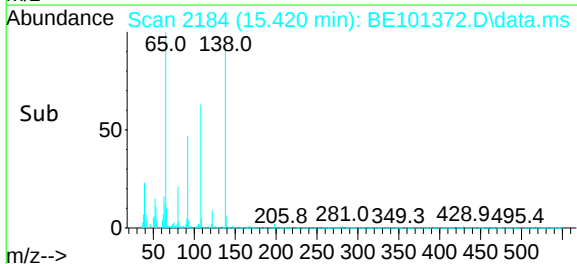
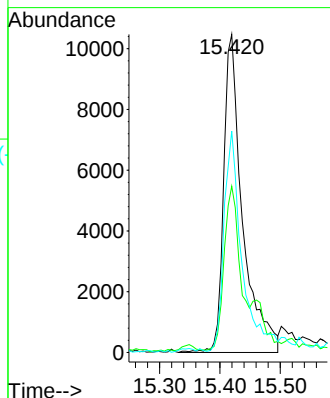
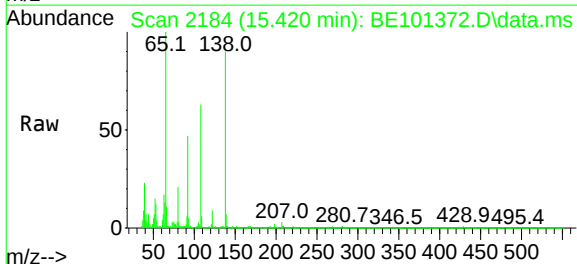
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	138	Resp:	22801
Ion Ratio	Lower	Upper	
138	100		
92	52.3	26.8	66.8
108	69.6	44.7	84.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#63

Azobenzene

Concen: 3.891 ng

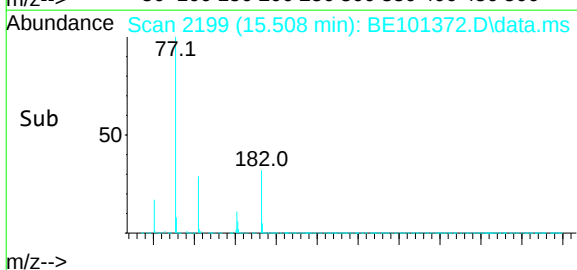
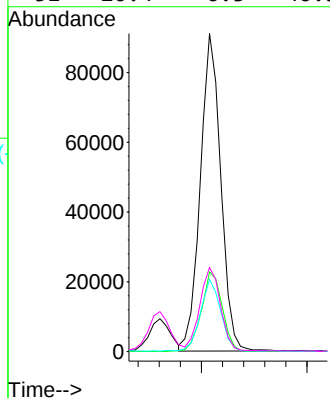
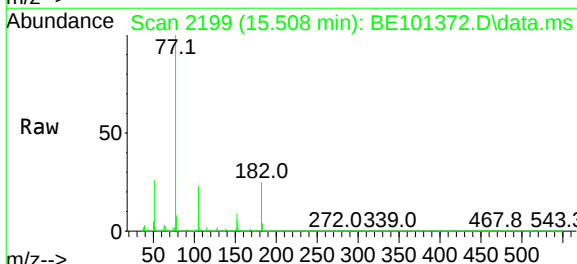
RT: 15.508 min Scan# 2199

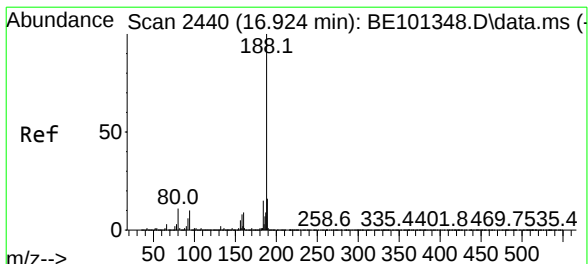
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	77	Resp:	122654
Ion Ratio	Lower	Upper	
77	100		
182	25.0	7.8	47.8
105	22.7	4.3	44.3
51	26.4	6.3	46.3



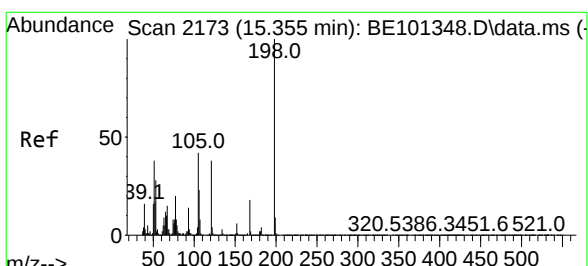
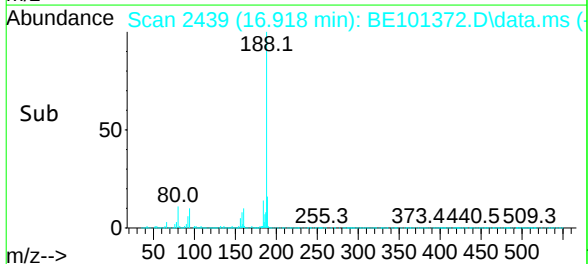
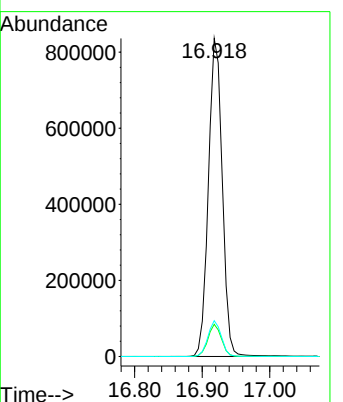
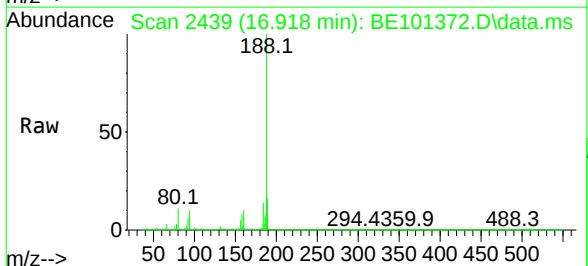


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

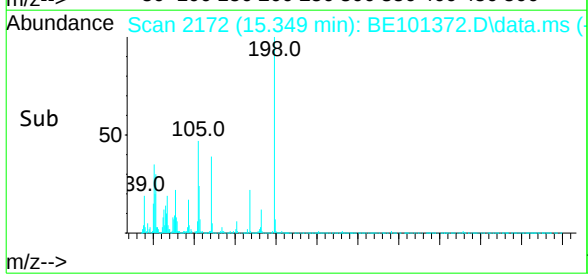
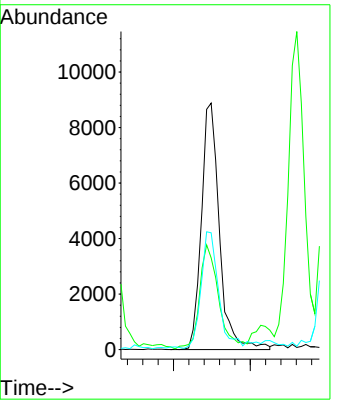
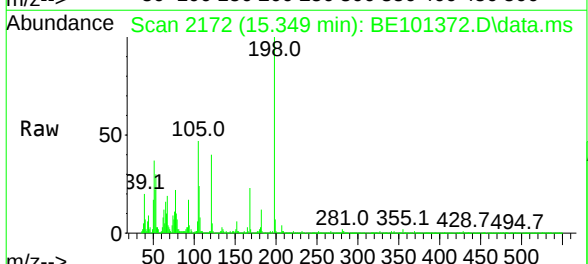
Tgt Ion:	188	Resp:	1190901
Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	11.3	8.6	13.0

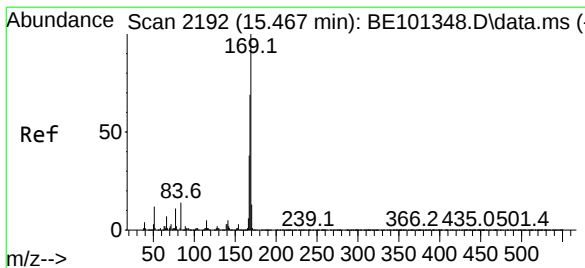
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#65
4,6-Dinitro-2-methylphenol
Concen: 2.140 ng
RT: 15.349 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion:	198	Resp:	14470
Ion	Ratio	Lower	Upper
198	100		
51	37.2	18.1	58.1
105	47.4	22.0	62.0





#66

n-Nitrosodiphenylamine

Concen: 3.808 ng

RT: 15.461 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

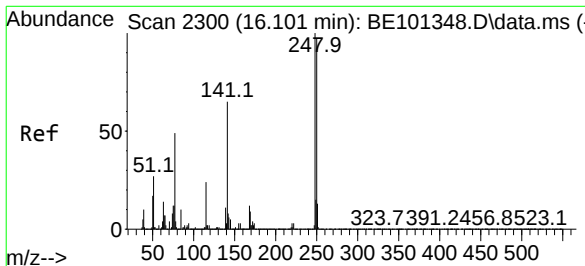
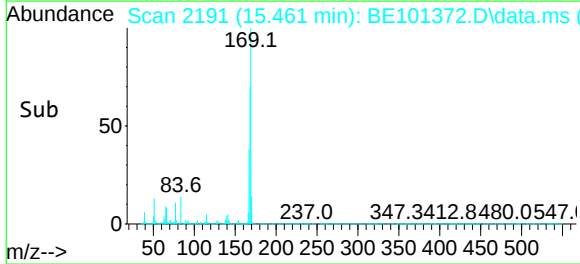
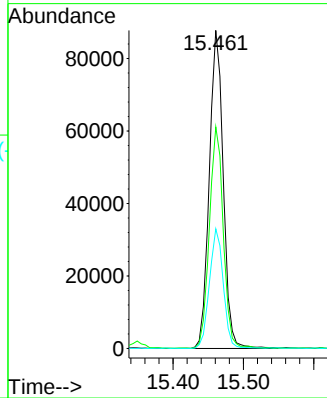
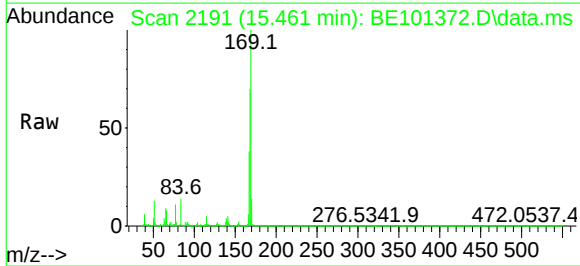
MDL-SOIL-03-QT2-2024

Tgt Ion:	169	Resp:	120876
Ion Ratio	Lower	Upper	
169	100		
168	69.7	55.1	82.7
167	37.6	30.5	45.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#67

4-Bromophenyl-phenylether

Concen: 3.572 ng

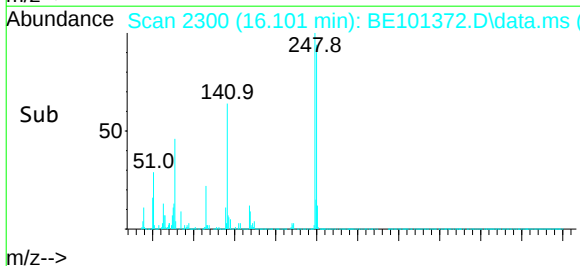
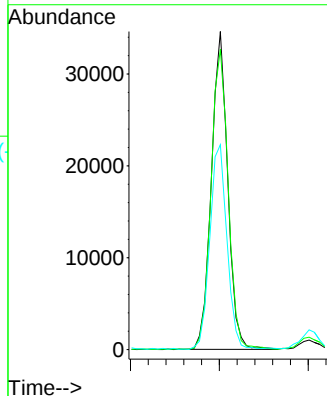
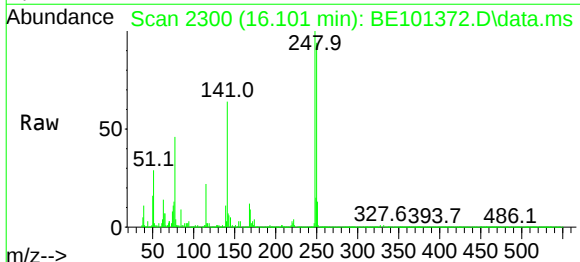
RT: 16.101 min Scan# 2300

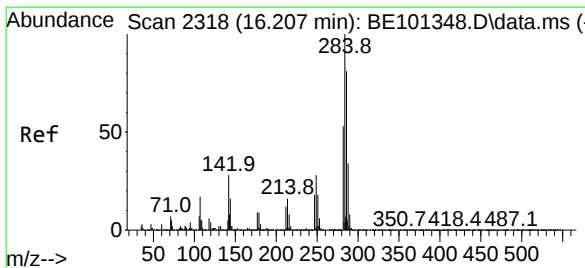
Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	248	Resp:	44189
Ion Ratio	Lower	Upper	
248	100		
250	94.4	77.7	116.5
141	64.4	51.8	77.8





#68

Hexachlorobenzene

Concen: 3.598 ng

RT: 16.201 min Scan# 2318

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

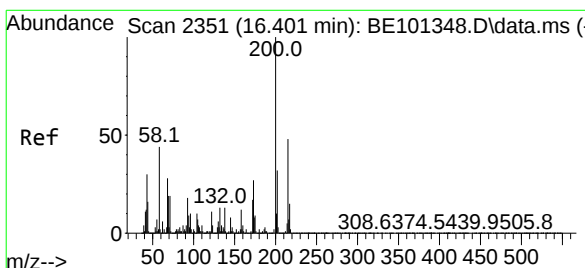
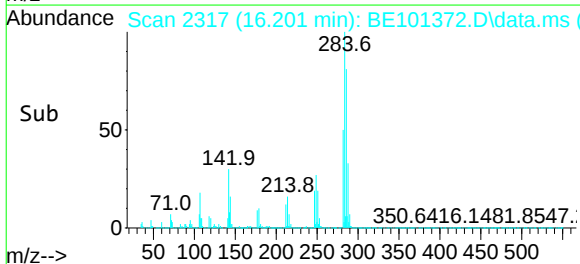
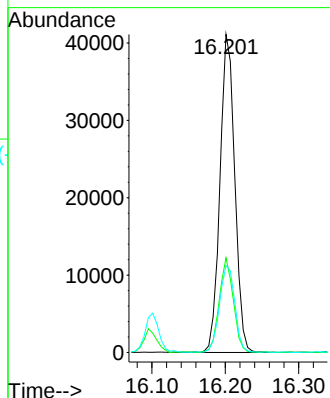
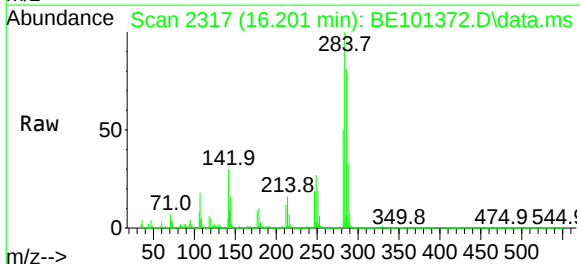
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt	Ion:284	Resp:	57534
Ion	Ratio	Lower	Upper
284	100		
142	29.8	22.1	33.1
249	27.3	22.7	34.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#69

Atrazine

Concen: 4.206 ng

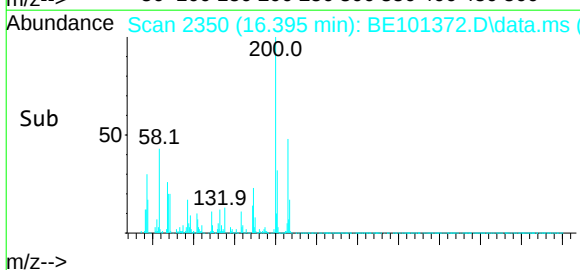
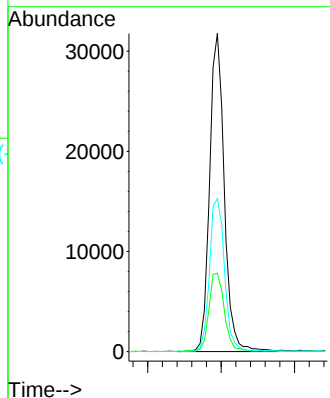
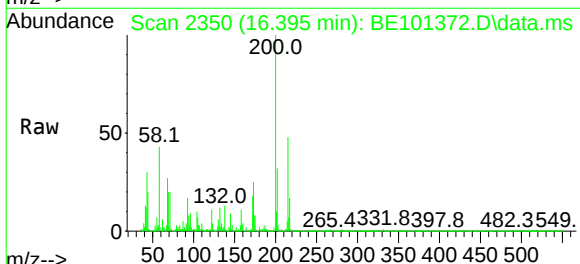
RT: 16.395 min Scan# 2350

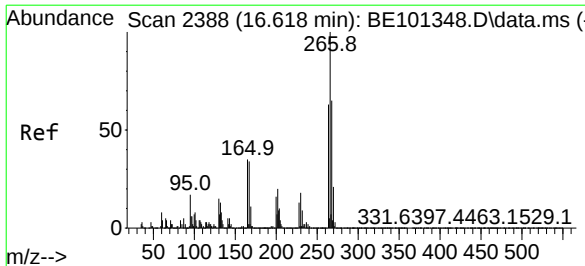
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion:200	Resp:	44091
Ion	Ratio	Lower	Upper
200	100		
173	24.6	6.9	46.9
215	48.1	27.8	67.8





#70

Pentachlorophenol

Concen: 2.646 ng

RT: 16.612 min Scan# 2388

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

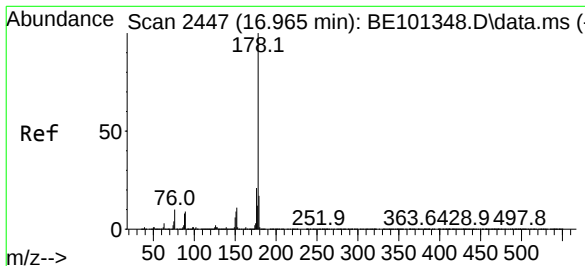
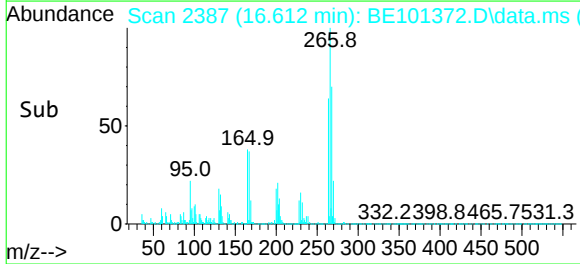
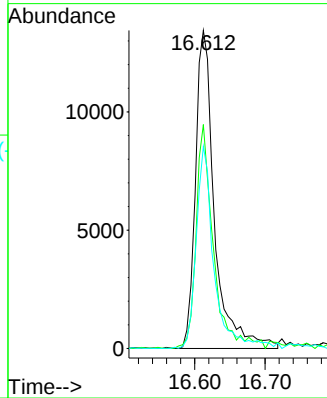
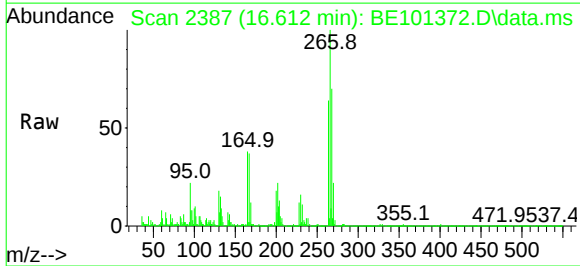
Tgt	Ion:266	Resp:	25282
Ion	Ratio	Lower	Upper
266	100		
268	74.6	52.2	78.4
264	63.5	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#71

Phenanthrene

Concen: 4.303 ng

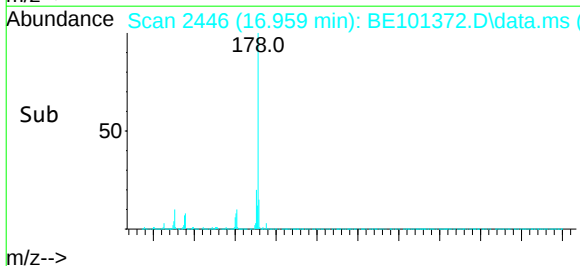
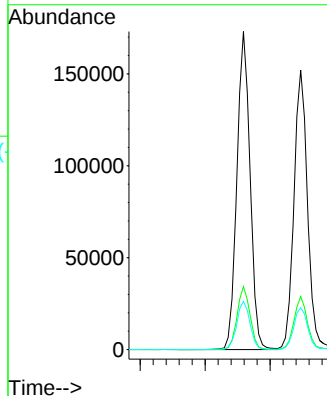
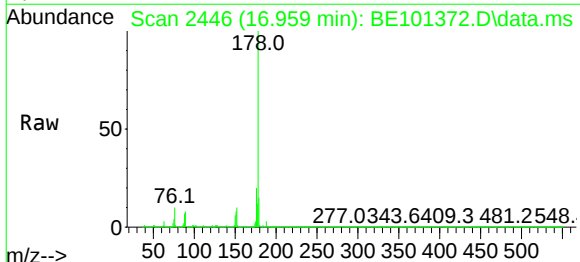
RT: 16.959 min Scan# 2446

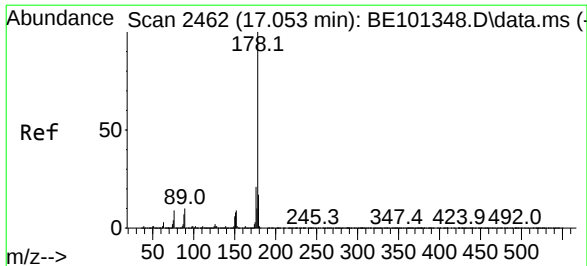
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

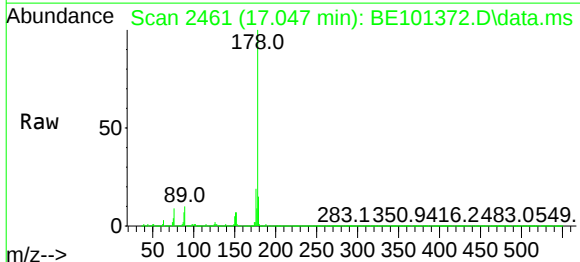
Tgt	Ion:178	Resp:	243406
Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.8	25.2
179	15.1	13.3	19.9





#72
 Anthracene
 Concen: 4.036 ng
 RT: 17.047 min Scan# 2461
 Delta R.T. -0.006 min
 Lab File: BE101372.D
 Acq: 19 Sep 2024 10:29

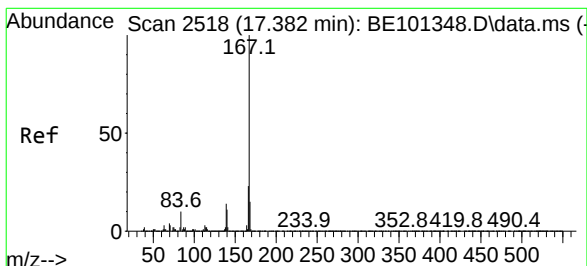
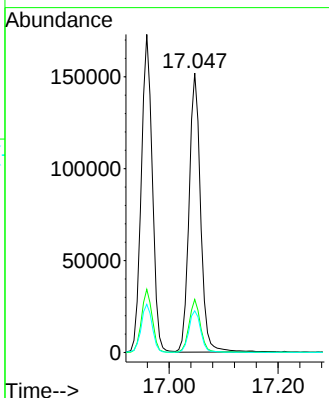
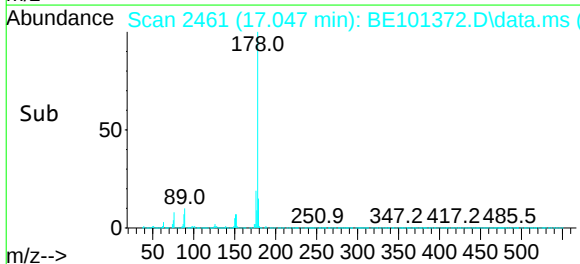
Instrument : BNA_E
 ClientSampleId : MDL-SOIL-03-QT2-2024



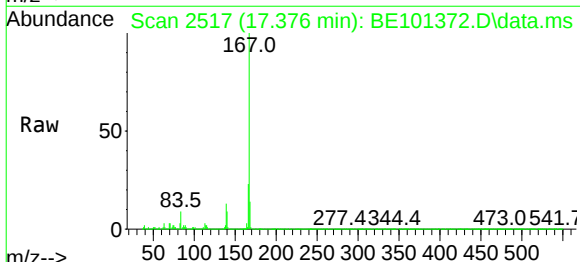
Tgt Ion:178 Resp: 222136
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.4 24.6
 179 14.9 13.4 20.0

Manual Integrations
 APPROVED

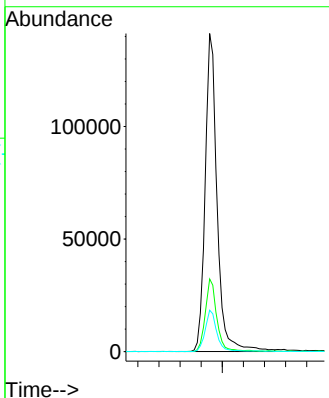
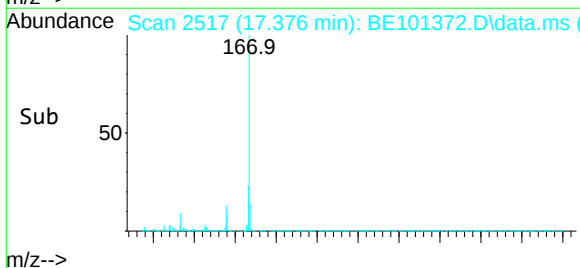
Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/22/2024

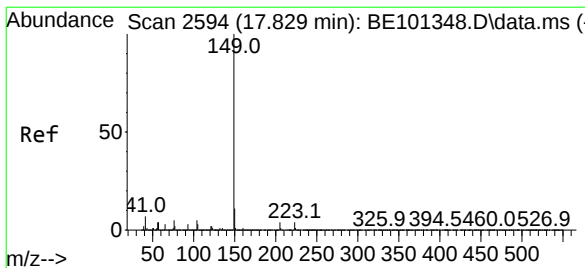


#73
 Carbazole
 Concen: 3.935 ng
 RT: 17.376 min Scan# 2517
 Delta R.T. -0.006 min
 Lab File: BE101372.D
 Acq: 19 Sep 2024 10:29



Tgt Ion:167 Resp: 221925
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.4 27.6
 139 13.0 11.1 16.7





#74

Di-n-butylphthalate

Concen: 3.796 ng

RT: 17.828 min Scan# 2594

Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

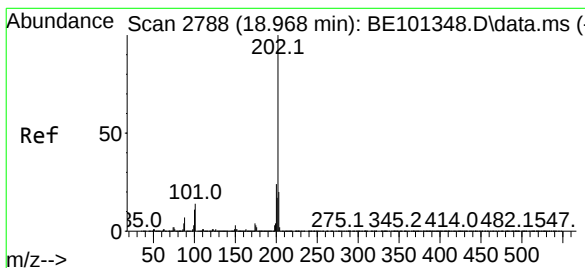
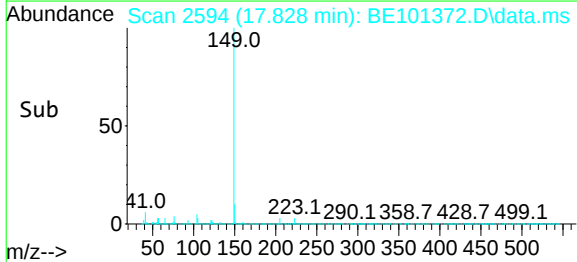
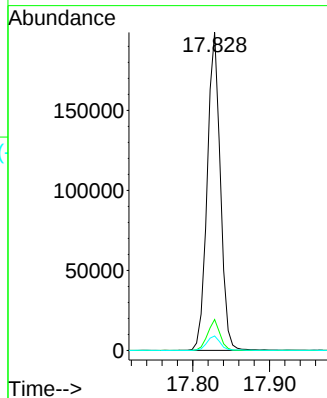
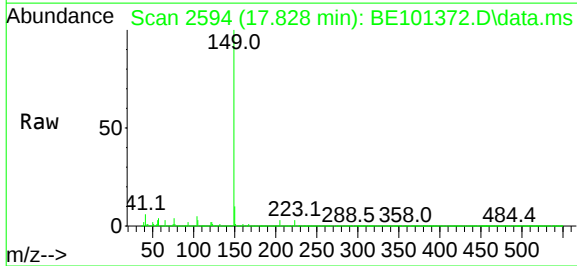
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	9.0	13.6
104	4.6	4.4	6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#75

Fluoranthene

Concen: 4.297 ng

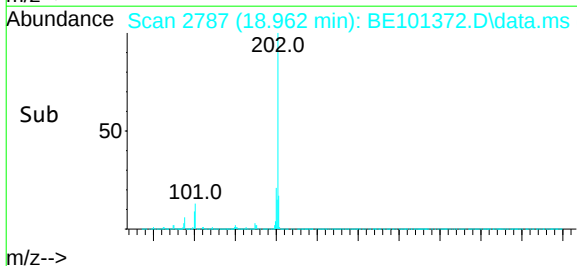
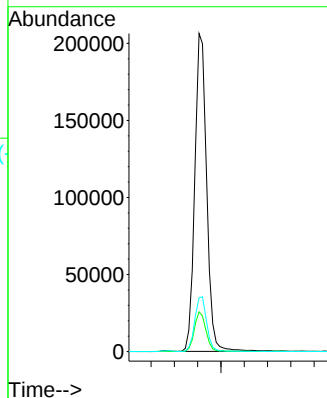
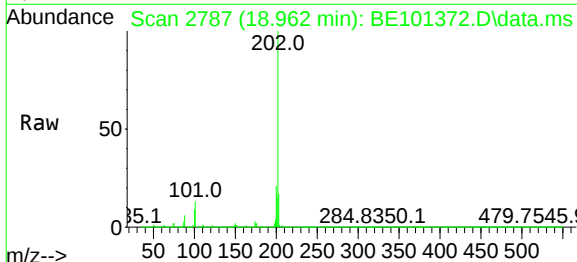
RT: 18.962 min Scan# 2787

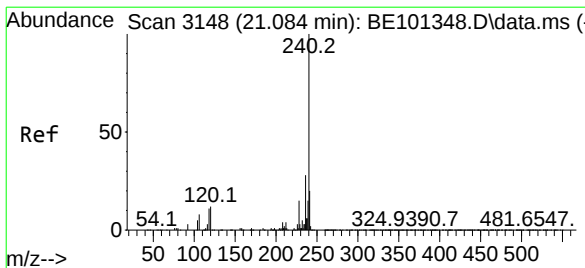
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

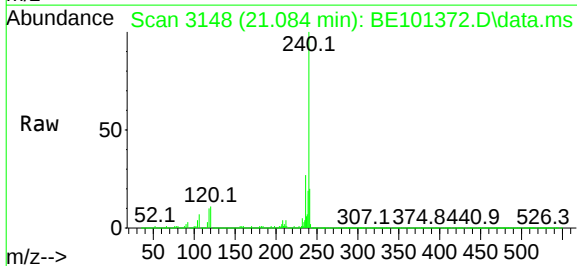
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.2
203	16.9	0.4	40.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.084 min Scan# 3148
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

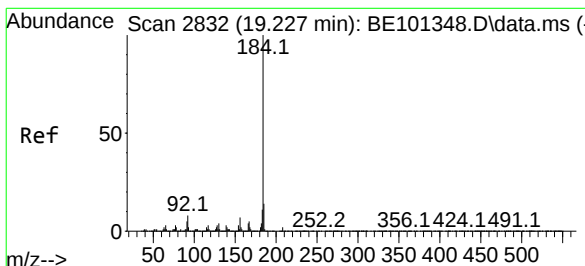
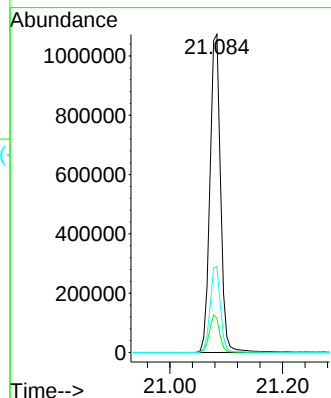
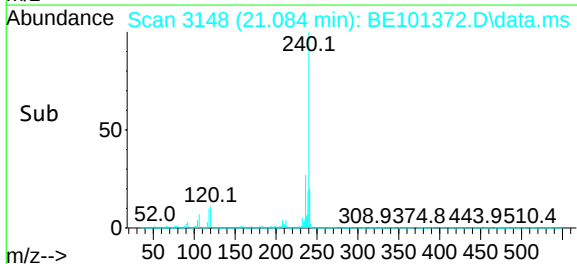
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt Ion: 240 Resp: 1409086
Ion Ratio Lower Upper
240 100
120 10.8 9.8 14.8
236 27.0 22.1 33.1

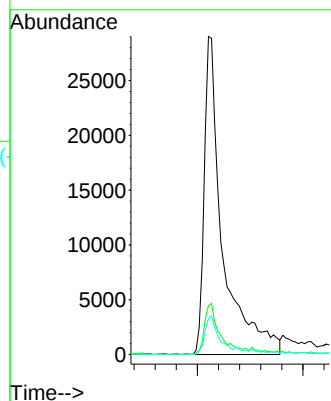
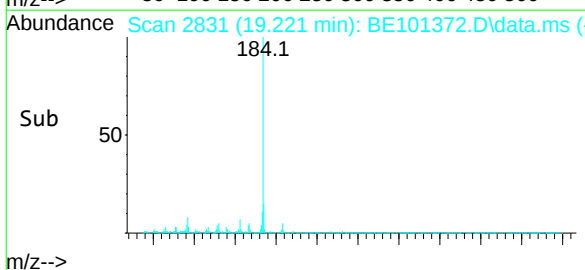
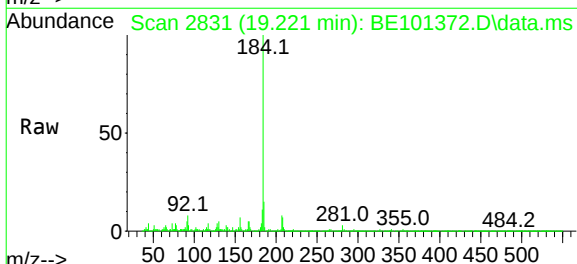
Manual Integrations
APPROVED

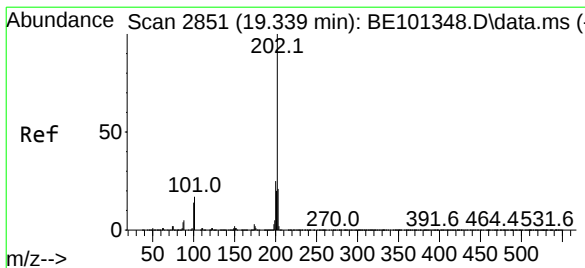
Reviewed By : Yogesh Patel 09/21/2024
Supervised By : mohammad ahmed 09/22/2024



#77
Benzidine
Concen: 3.016 ng
RT: 19.221 min Scan# 2831
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion: 184 Resp: 70537
Ion Ratio Lower Upper
184 100
185 15.4 11.4 17.2
183 11.3 9.1 13.7





#78

Pyrene

Concen: 4.033 ng

RT: 19.333 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

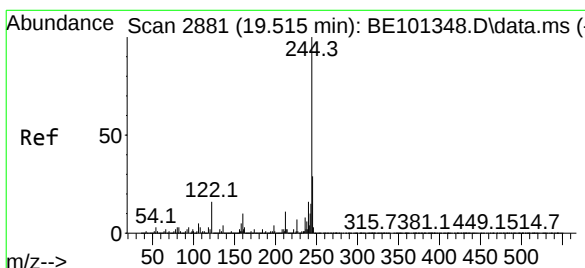
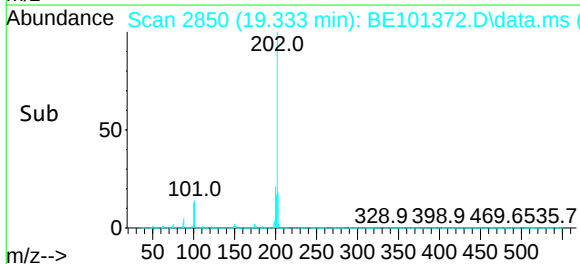
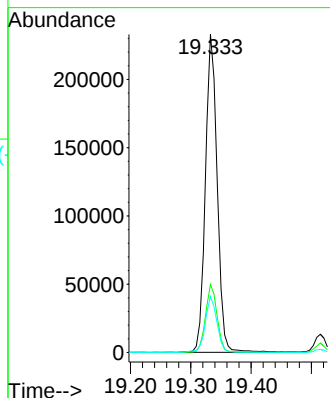
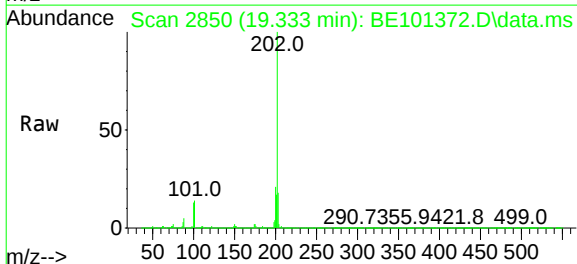
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	202	Resp:	316081
Ion	Ratio	Lower	Upper
202	100		
200	21.4	20.2	30.2
203	17.6	16.6	25.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#79

Terphenyl-d14

Concen: 65.612 ng

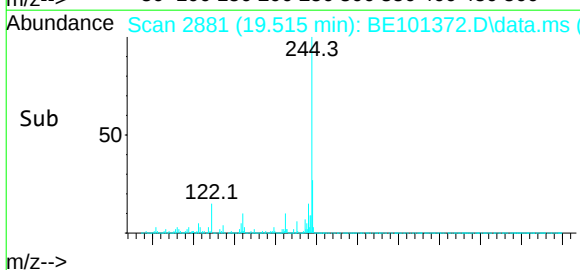
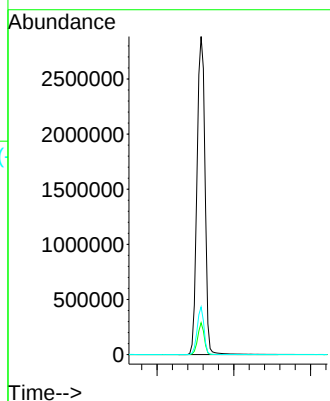
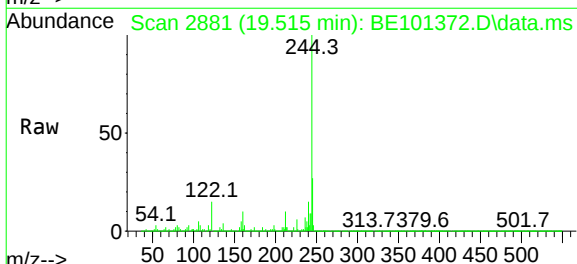
RT: 19.515 min Scan# 2881

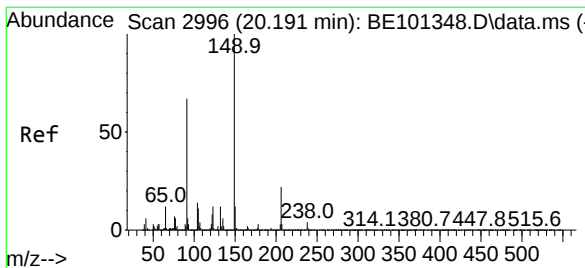
Delta R.T. -0.000 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	244	Resp:	4169591
Ion	Ratio	Lower	Upper
244	100		
212	10.0	8.5	12.7
122	15.0	13.1	19.7





#80

Butylbenzylphthalate

Concen: 3.477 ng

RT: 20.185 min Scan# 2995

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

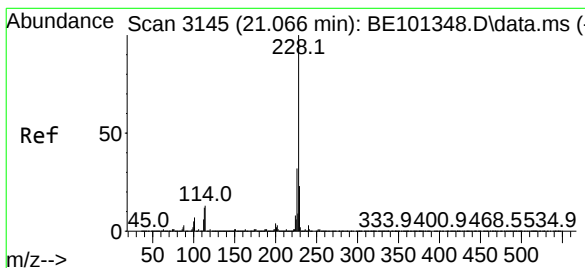
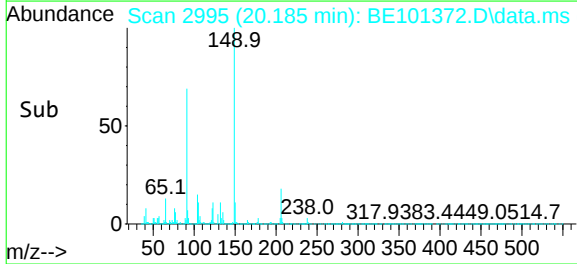
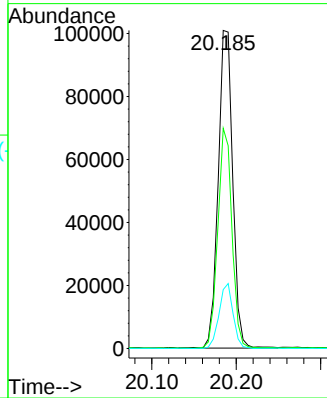
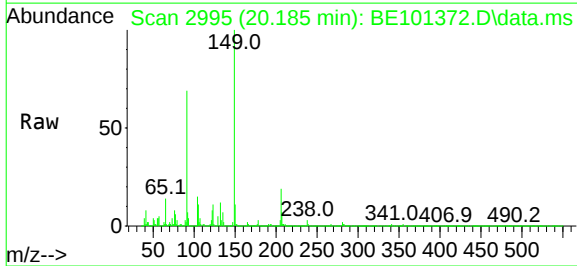
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt	Ion:	149	Resp:	120637
Ion	Ratio	Lower	Upper	
149	100			
91	69.2	53.4	80.2	
206	18.5	17.4	26.0	

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#81

Benzo(a)anthracene

Concen: 4.348 ng

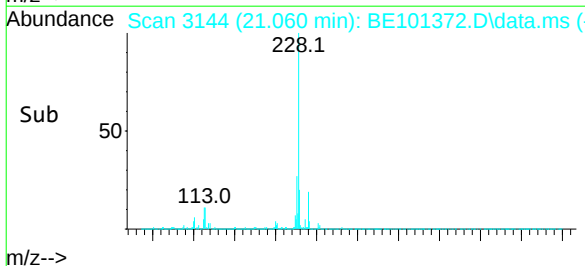
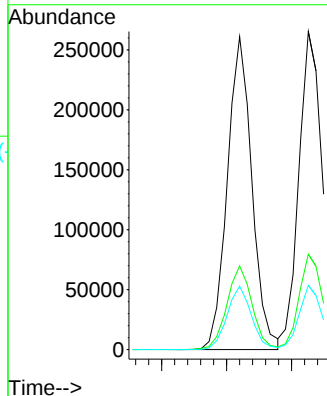
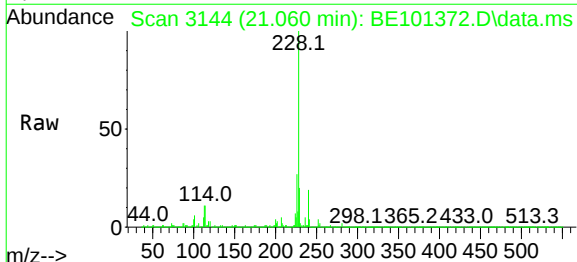
RT: 21.060 min Scan# 3144

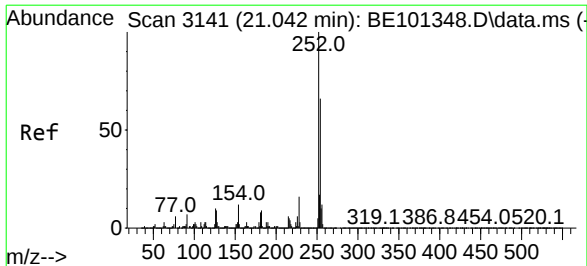
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion:	228	Resp:	344030
Ion	Ratio	Lower	Upper	
228	100			
226	26.7	25.7	38.5	
229	20.3	18.6	28.0	





#82

3,3'-Dichlorobenzidine

Concen: 3.461 ng

RT: 21.037 min Scan# 31

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

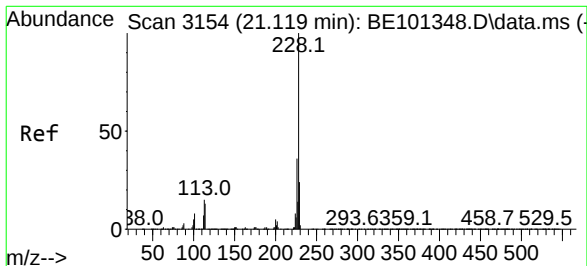
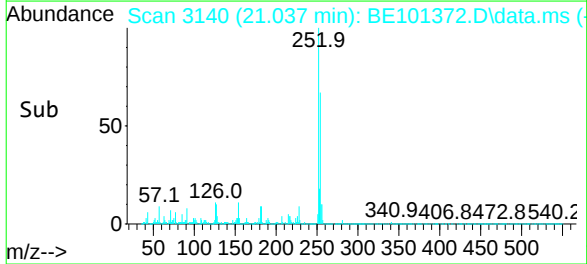
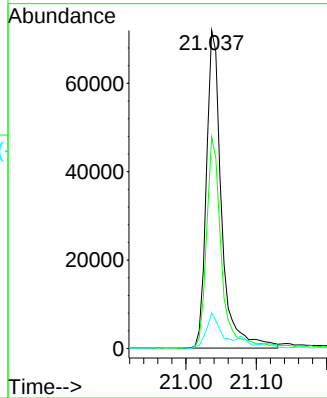
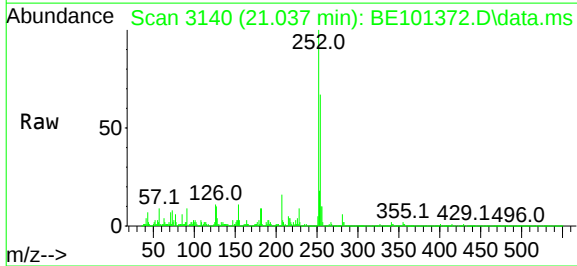
Tgt	Ion:252	Resp:	107328
Ion	Ratio	Lower	Upper
252	100		
254	66.5	52.5	78.7
126	11.1	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#83

Chrysene

Concen: 4.426 ng

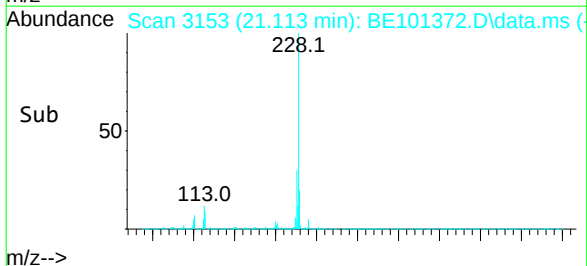
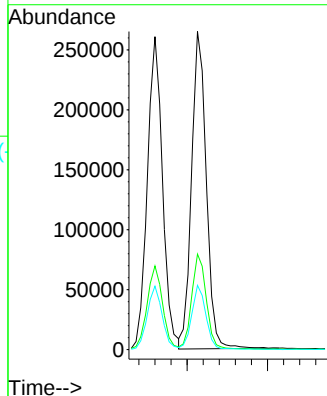
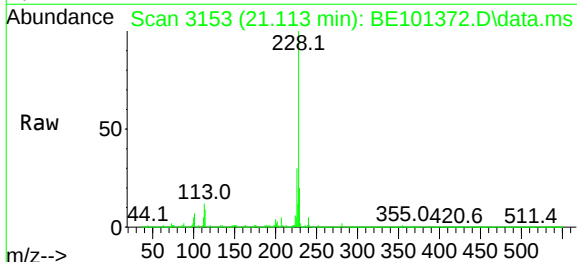
RT: 21.113 min Scan# 3153

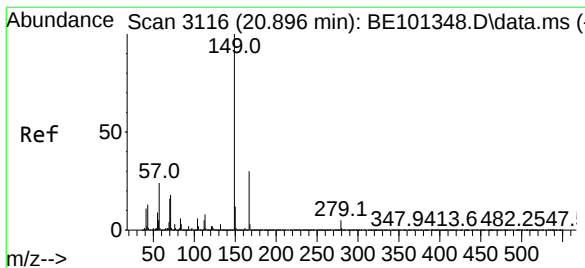
Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion:228	Resp:	336466
Ion	Ratio	Lower	Upper
228	100		
226	30.0	28.4	42.6
229	20.2	19.0	28.4





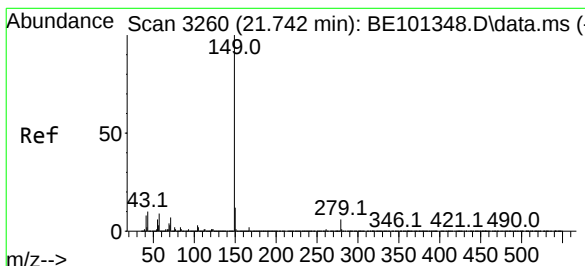
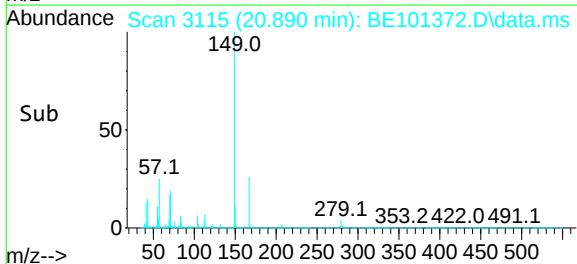
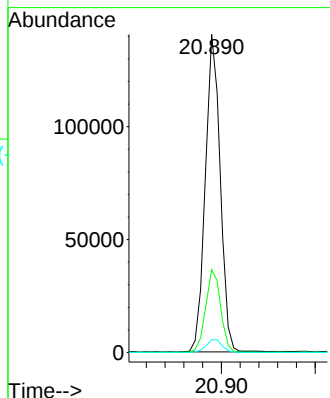
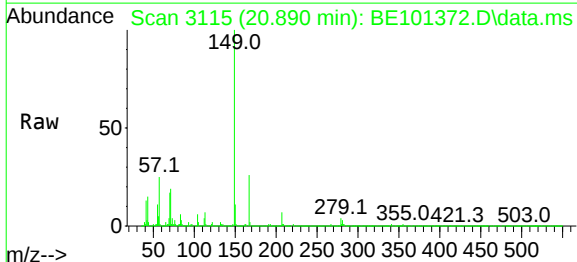
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.388 ng
RT: 20.890 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	23.9	35.9
279	4.0	4.2	6.4

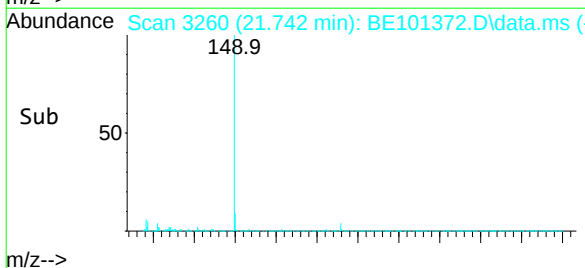
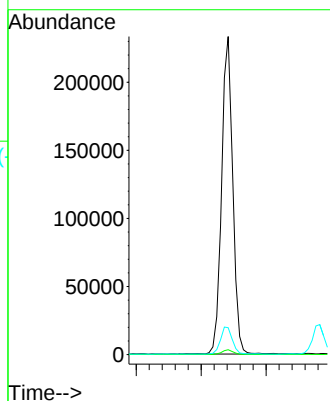
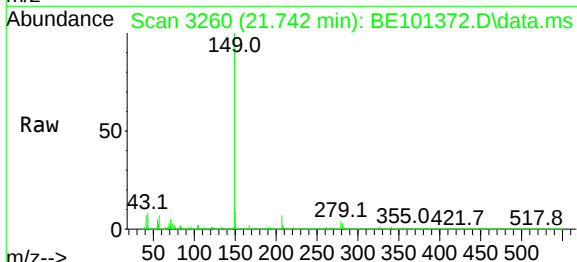
Manual Integrations
APPROVED

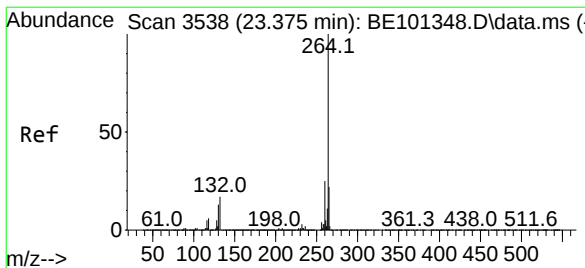
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#85
Di-n-octyl phthalate
Concen: 3.705 ng
RT: 21.742 min Scan# 3260
Delta R.T. -0.000 min
Lab File: BE101372.D
Acq: 19 Sep 2024 10:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.2
43	8.9	7.4	11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.369 min Scan# 3538

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 264 Resp: 1788371

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

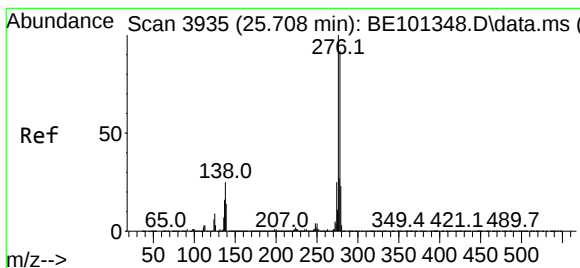
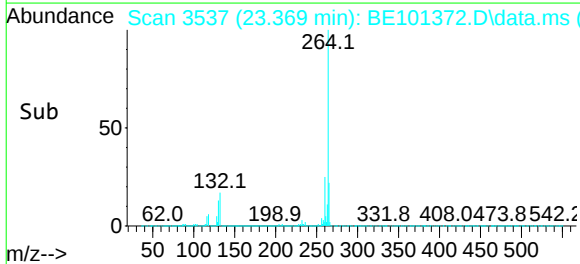
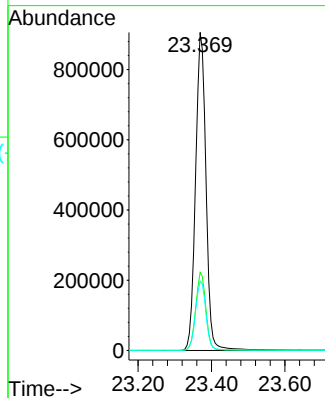
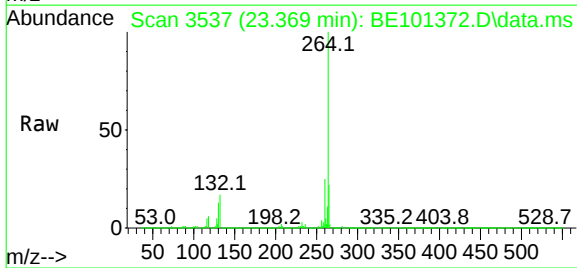
265 21.8 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.069 ng

RT: 25.678 min Scan# 3930

Delta R.T. -0.029 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

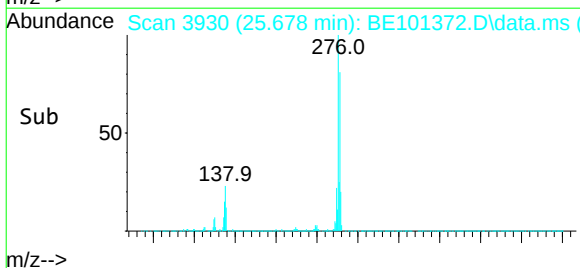
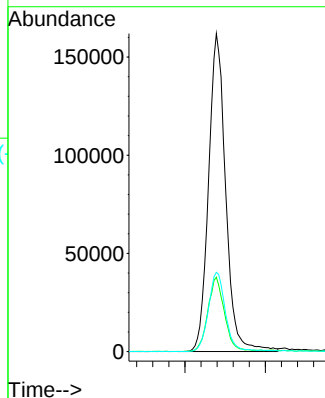
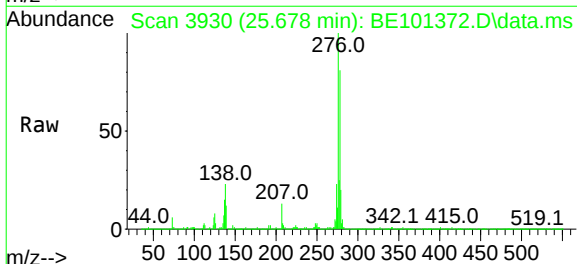
Tgt Ion: 276 Resp: 479395

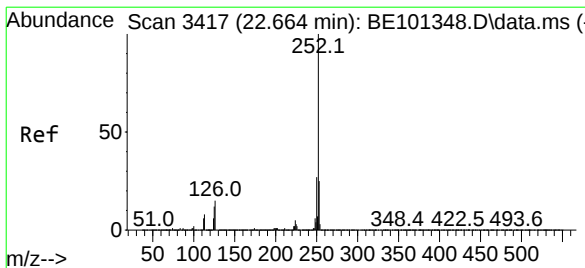
Ion Ratio Lower Upper

276 100

138 22.6 19.2 28.8

277 24.6 20.8 31.2





#88

Benzo(b)fluoranthene

Concen: 4.065 ng

RT: 22.658 min Scan# 3417

Delta R.T. -0.006 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

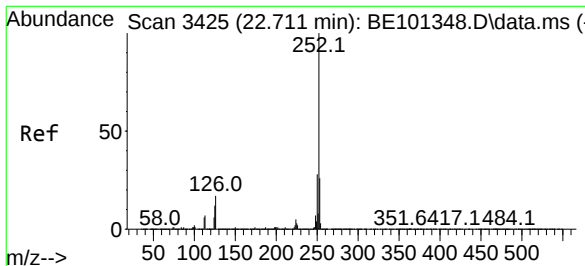
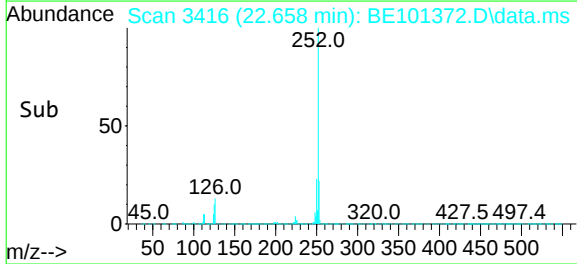
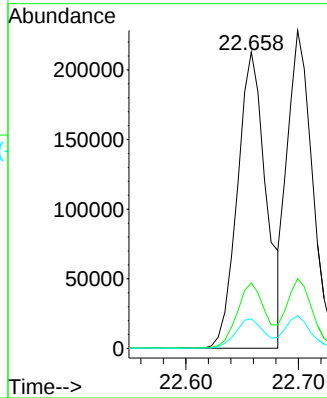
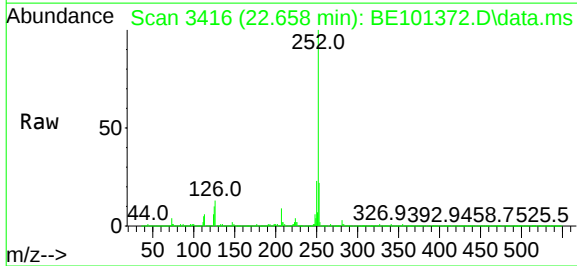
Tgt Ion:	252	Resp:	376536
Ion Ratio	Lower	Upper	
252	100		
253	22.1	20.2	30.2
125	10.0	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#89

Benzo(k)fluoranthene

Concen: 4.142 ng

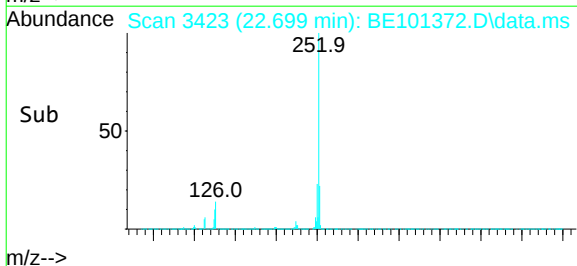
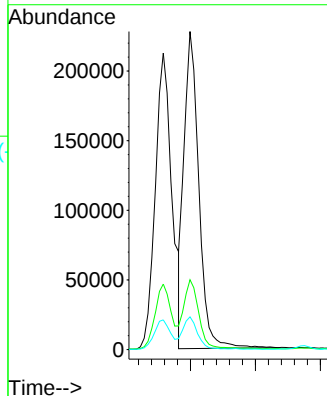
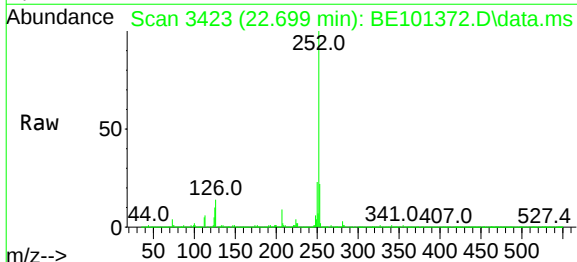
RT: 22.699 min Scan# 3423

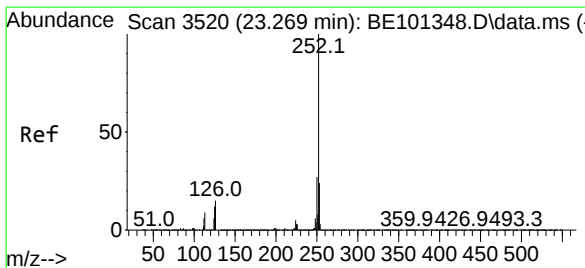
Delta R.T. -0.012 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt Ion:	252	Resp:	362073
Ion Ratio	Lower	Upper	
252	100		
253	22.0	20.2	30.4
125	10.3	9.4	14.0





#90

Benzo(a)pyrene

Concen: 4.088 ng

RT: 23.257 min Scan# 3518

Delta R.T. -0.012 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

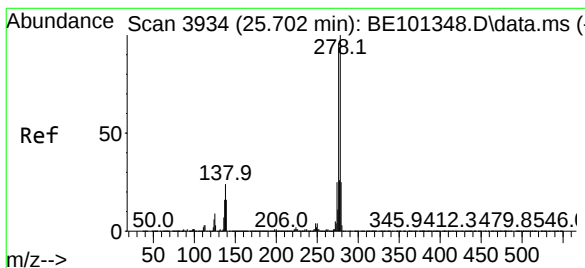
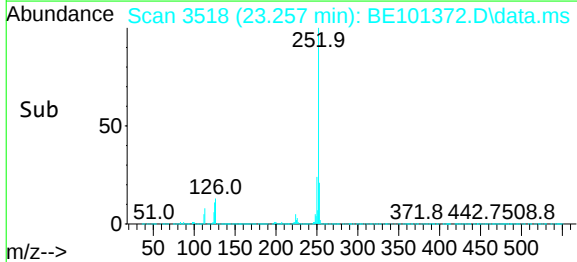
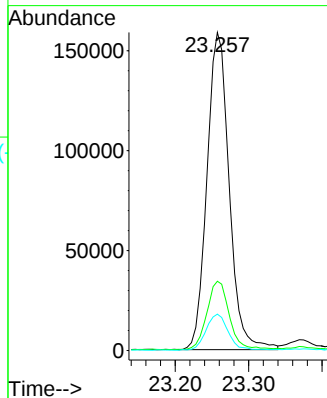
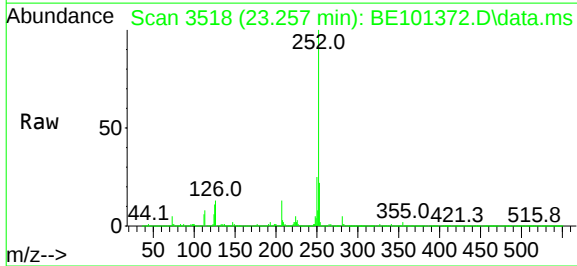
Tgt	Ion	252	Resp:	334201
Ion	Ratio	Lower	Upper	
252	100			
253	21.8	19.0	28.6	
125	11.4	9.6	14.4	

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.953 ng

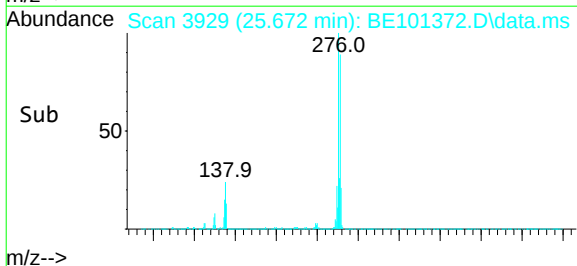
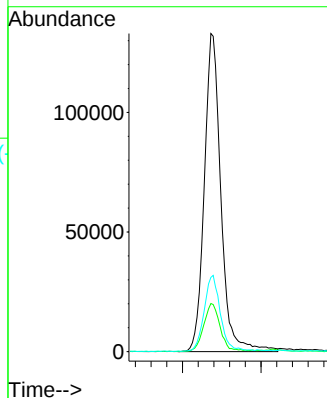
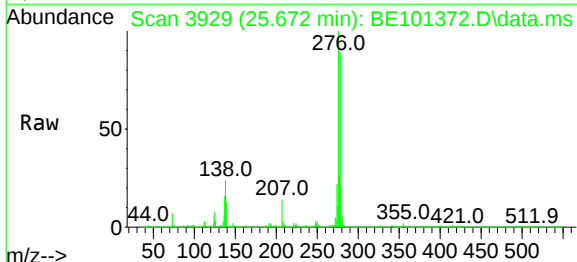
RT: 25.672 min Scan# 3929

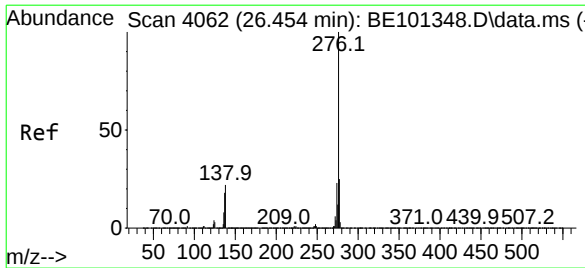
Delta R.T. -0.029 min

Lab File: BE101372.D

Acq: 19 Sep 2024 10:29

Tgt	Ion	278	Resp:	389897
Ion	Ratio	Lower	Upper	
278	100			
139	15.1	12.4	18.6	
279	23.3	19.8	29.8	





#92
 Benzo(g,h,i)perylene
 Concen: 3.702 ng
 RT: 26.424 min Scan# 4062
 Delta R.T. -0.029 min
 Lab File: BE101372.D
 Acq: 19 Sep 2024 10:29

Instrument : BNA_E
 ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:	276	Resp:	370756
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.8	29.8
138	20.1	17.4	26.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/22/2024

