

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091924\
 Data File : BE101373.D
 Acq On : 19 Sep 2024 11:04
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Sep 19 11:44:09 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	131309	20.000	ng	0.00
21) Naphthalene-d8	10.344	136	619481	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	448629	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1092847	20.000	ng	0.00
76) Chrysene-d12	21.078	240	1332514	20.000	ng	0.00
86) Perylene-d12	23.370	264	1633041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	1062935	141.535	ng	0.00
7) Phenol-d6	6.948	99	1444921	135.719	ng	0.00
23) Nitrobenzene-d5	8.787	82	1018332	104.217	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	1161478	153.924	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2664419	102.630	ng	0.00
79) Terphenyl-d14	19.515	244	4559969	75.879	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.223	88	28395	9.929	ng	98
3) Pyridine	3.775	79	56440m	6.852	ng	
4) n-Nitrosodimethylamine	3.622	42	23971	8.100	ng	# 96
6) Aniline	7.018	93	106227	11.893	ng	97
8) 2-Chlorophenol	7.218	128	82752	9.170	ng	98
9) Benzaldehyde	6.789	77	61572	12.584	ng	98
10) Phenol	6.977	94	94783	8.100	ng	94
11) bis(2-Chloroethyl)ether	7.047	93	79655m	8.043	ng	
12) 1,3-Dichlorobenzene	7.459	146	86370	8.905	ng	98
13) 1,4-Dichlorobenzene	7.606	146	90062	9.114	ng	99
14) 1,2-Dichlorobenzene	7.935	146	87942	8.981	ng	99
15) Benzyl Alcohol	7.917	79	65002	10.254	ng	85
16) 2,2'-oxybis(1-Chloropr...	8.070	45	118502	9.494	ng	98
17) 2-Methylphenol	8.158	107	63201	8.151	ng	95
18) Hexachloroethane	8.628	117	28198	8.725	ng	95
19) n-Nitroso-di-n-propyla...	8.381	70	63255	8.418	ng	96
20) 3+4-Methylphenols	8.493	107	87025	7.976	ng	98
22) Acetophenone	8.428	105	134161	9.339	ng	# 99
24) Nitrobenzene	8.828	77	97871	9.382	ng	99
25) Isophorone	9.280	82	178175	8.907	ng	99
26) 2-Nitrophenol	9.515	139	41067	8.341	ng	97
27) 2,4-Dimethylphenol	9.627	122	46175	7.305	ng	98
28) bis(2-Chloroethoxy)met...	9.785	93	108342	8.954	ng	98
29) 2,4-Dichlorophenol	10.062	162	75643	8.739	ng	98
30) 1,2,4-Trichlorobenzene	10.185	180	85806	9.173	ng	97
31) Naphthalene	10.391	128	288948	9.244	ng	99
32) Benzoic acid	9.821	122	29041m	10.994	ng	
33) 4-Chloroaniline	10.620	127	111348	9.311	ng	99
34) Hexachlorobutadiene	10.637	225	48702	8.961	ng	99
35) Caprolactam	11.401	113	29324m	8.386	ng	
36) 4-Chloro-3-methylphenol	11.789	107	83881	8.202	ng	98
37) 2-Methylnaphthalene	11.983	142	208775	9.133	ng	100
38) 1-Methylnaphthalene	12.206	142	197795	8.625	ng	99
40) 1,2,4,5-Tetrachloroben...	12.335	216	100490	9.298	ng	99
41) Hexachlorocyclopentadiene	12.318	237	29855	8.408	ng	96
43) 2,4,6-Trichlorophenol	12.659	196	65411	8.546	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	71945	8.331	ng	98
46) 1,1'-Biphenyl	13.011	154	295088	9.706	ng	99
47) 2-Chloronaphthalene	13.052	162	219332	9.171	ng	98
48) 2-Nitroaniline	13.387	65	53635	8.336	ng	98
49) Acenaphthylene	13.916	152	360446	10.101	ng	96
50) Dimethylphthalate	13.687	163	305875	9.449	ng	100
51) 2,6-Dinitrotoluene	13.822	165	59894	8.267	ng	98
52) Acenaphthene	14.245	154	214632	9.125	ng	96
53) 3-Nitroaniline	14.233	138	64888	8.707	ng	98
54) 2,4-Dinitrophenol	14.368	184	26093	6.050	ng	89
55) Dibenzofuran	14.586	168	363245	9.776	ng	97
56) 4-Nitrophenol	14.650	139	53526	8.639	ng	96
57) 2,4-Dinitrotoluene	14.603	165	80236	8.135	ng	# 86
58) Fluorene	15.226	166	293996	9.391	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.856	232	74852	9.166	ng	100
60) Diethylphthalate	15.009	149	323298	9.626	ng	98
61) 4-Chlorophenyl-phenyle...	15.214	204	142181	9.259	ng	97
62) 4-Nitroaniline	15.420	138	68795	8.858	ng	98
63) Azobenzene	15.508	77	281059	9.793	ng	97
65) 4,6-Dinitro-2-methylph...	15.350	198	40947	6.598	ng	92
66) n-Nitrosodiphenylamine	15.461	169	267472	9.182	ng	98
67) 4-Bromophenyl-phenylether	16.102	248	96082	8.463	ng	96
68) Hexachlorobenzene	16.201	284	124265	8.469	ng	98
69) Atrazine	16.395	200	104110	10.823	ng	99
70) Pentachlorophenol	16.613	266	65426	7.463	ng	98
71) Phenanthrene	16.959	178	514987	9.922	ng	97
72) Anthracene	17.048	178	493125	9.763	ng	96
73) Carbazole	17.377	167	512457	9.901	ng	98
74) Di-n-butylphthalate	17.829	149	583941	10.275	ng	# 95
75) Fluoranthene	18.963	202	654384	10.473	ng	94
77) Benzidine	19.221	184	220992	9.993	ng	99
78) Pyrene	19.333	202	708042	9.554	ng	92
80) Butylbenzylphthalate	20.185	149	304013	9.267	ng	99
81) Benzo(a)anthracene	21.060	228	775647	10.365	ng	93
82) 3,3'-Dichlorobenzidine	21.037	252	276757	9.439	ng	96
83) Chrysene	21.113	228	743940	10.349	ng	91
84) Bis(2-ethylhexyl)phtha...	20.890	149	401105	9.245	ng	# 94
85) Di-n-octyl phthalate	21.742	149	700769	9.895	ng	99
87) Indeno(1,2,3-cd)pyrene	25.684	276	1062429	9.875	ng	98
88) Benzo(b)fluoranthene	22.659	252	798004	9.435	ng	95
89) Benzo(k)fluoranthene	22.700	252	850334	10.652	ng	94
90) Benzo(a)pyrene	23.258	252	750397	10.053	ng	97
91) Dibenzo(a,h)anthracene	25.679	278	877303	9.740	ng	98
92) Benzo(g,h,i)perylene	26.431	276	820041	8.966	ng	99

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

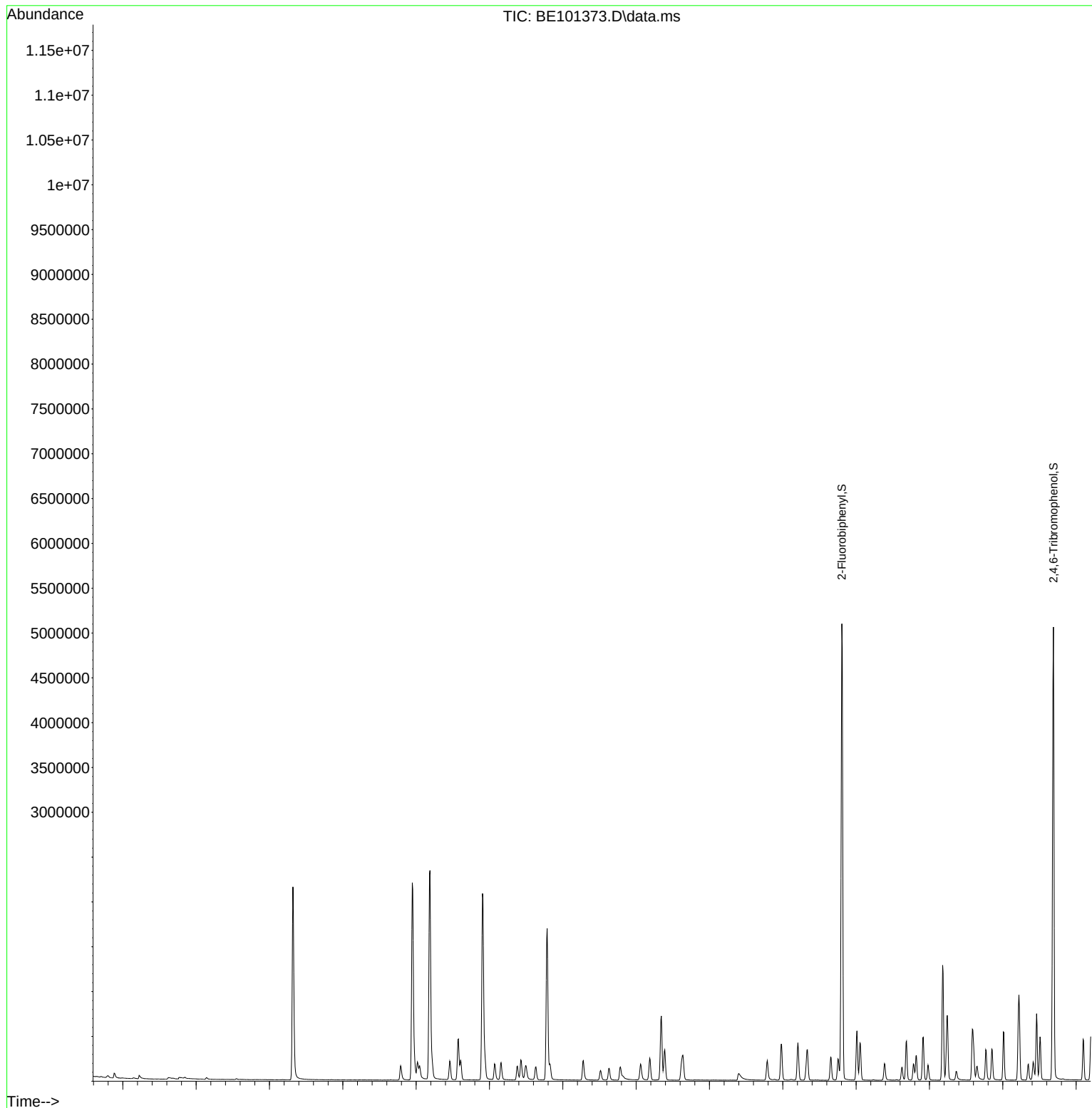
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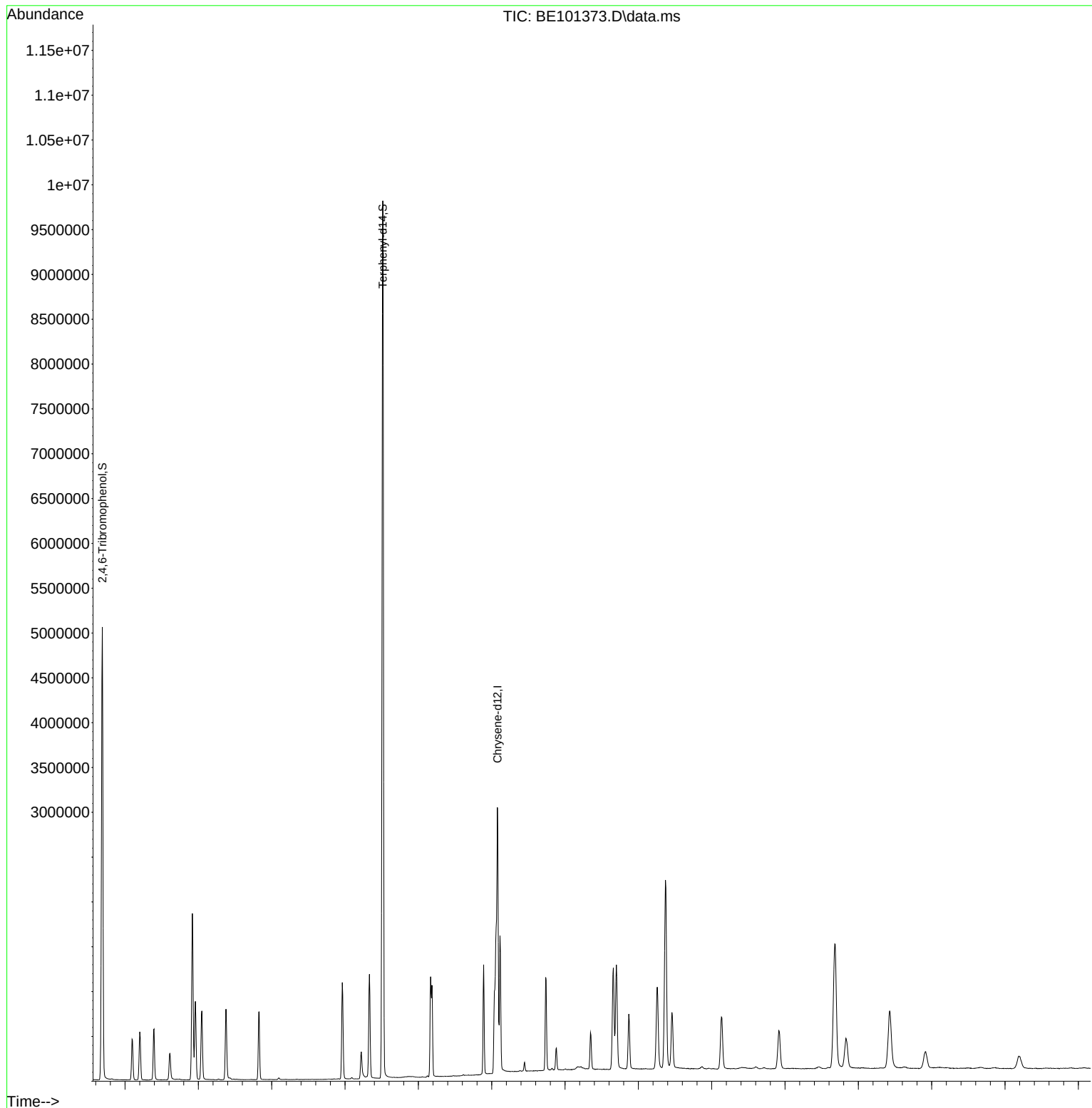
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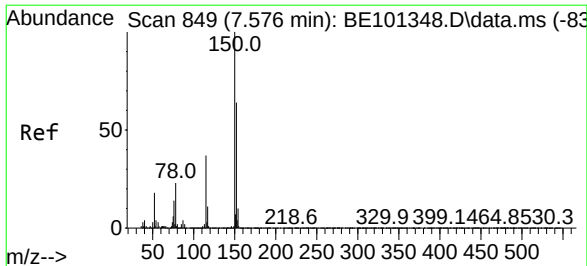
Instrument :
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ClientSampleId :
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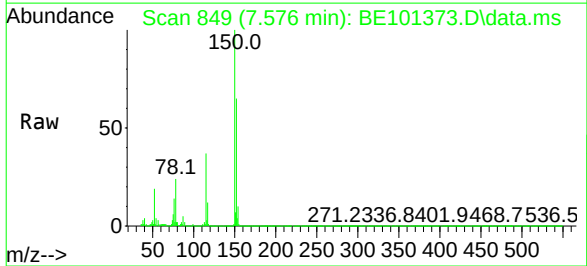
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.576 min Scan# 849
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

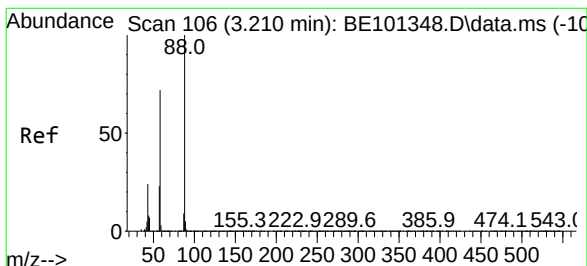
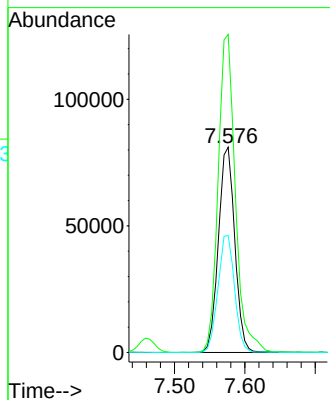
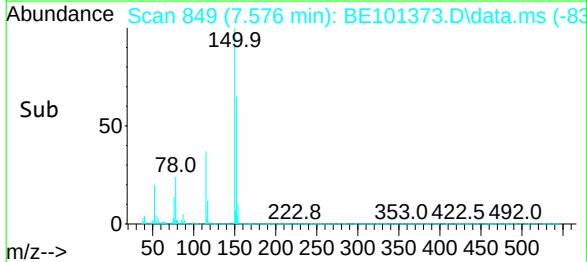
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BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



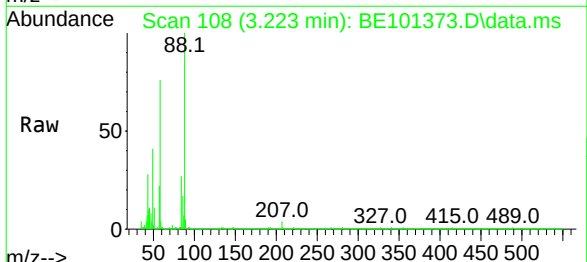
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Ion Ratio Lower Upper
152 100
150 154.9 125.9 188.9
115 56.9 46.9 70.3

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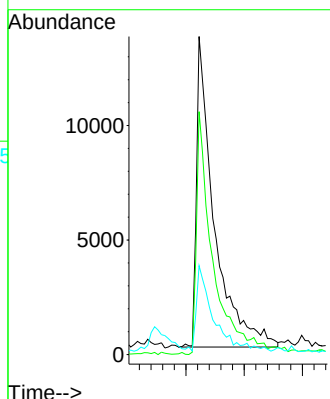
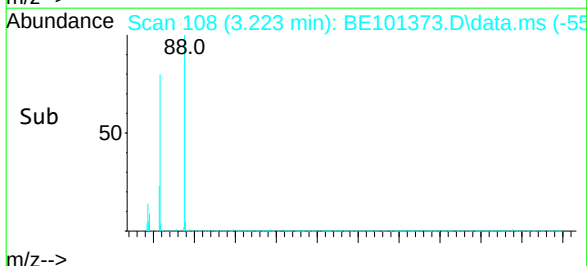
Reviewed By :Yogesh Patel 09/21/2024
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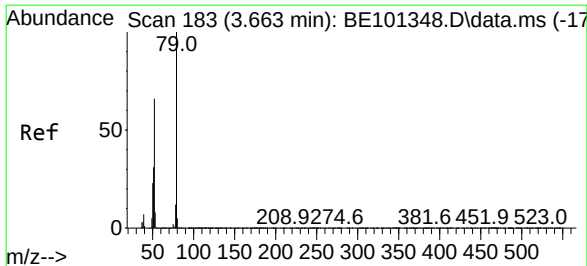


#2
1,4-Dioxane
Concen: 9.929 ng
RT: 3.223 min Scan# 108
Delta R.T. 0.012 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04



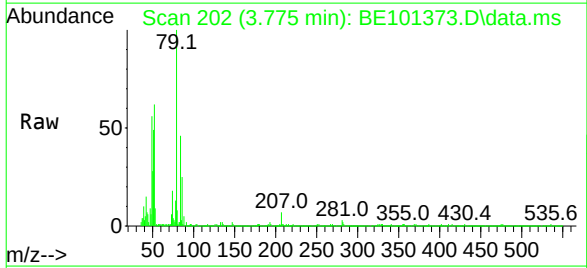
Tgt Ion: 88 Resp: 28395
Ion Ratio Lower Upper
88 100
58 72.3 58.8 88.2
43 26.4 19.4 29.2





#3
Pyridine
Concen: 6.852 ng m
RT: 3.775 min Scan# 20
Delta R.T. 0.112 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

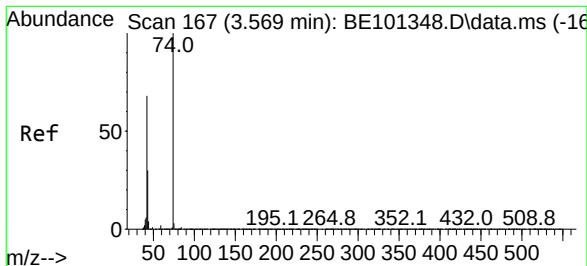
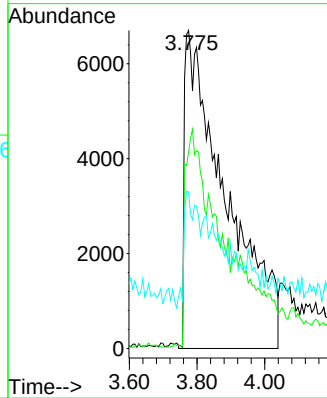
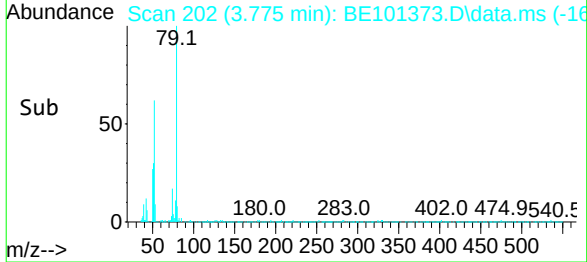
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BNA_E
ClientSampleId :
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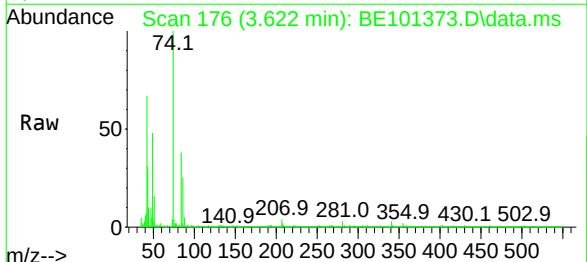
Tgt Ion: 79 Resp: 56440
Ion Ratio Lower Upper
79 100
52 61.7 52.6 78.8
51 49.3 26.2 39.2#

Manual Integrations
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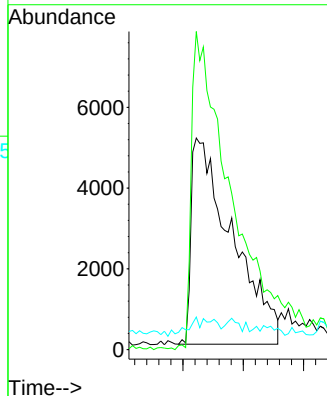
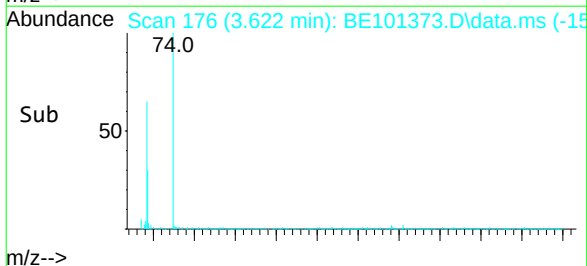
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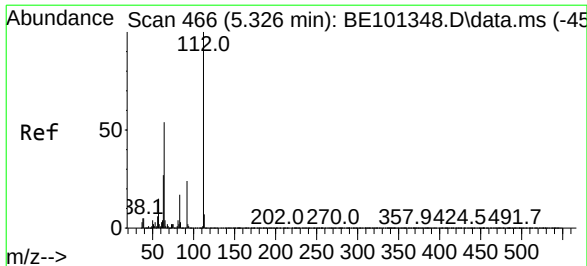


#4
n-Nitrosodimethylamine
Concen: 8.100 ng
RT: 3.622 min Scan# 176
Delta R.T. 0.053 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04



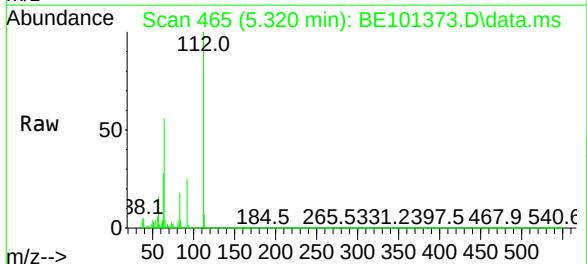
Tgt Ion: 42 Resp: 23971
Ion Ratio Lower Upper
42 100
74 150.3 117.0 175.4
44 15.4 5.9 8.9#





#5
2-Fluorophenol
Concen: 141.535 ng
RT: 5.320 min Scan# 466
Delta R.T. -0.006 min
Lab File: BE101373.D
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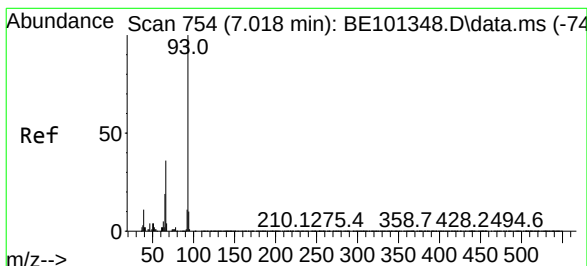
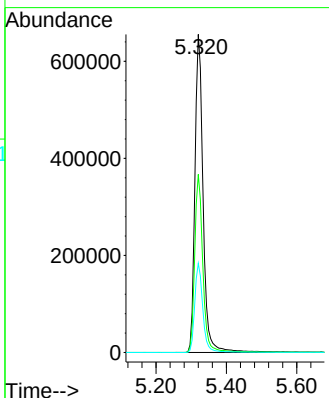
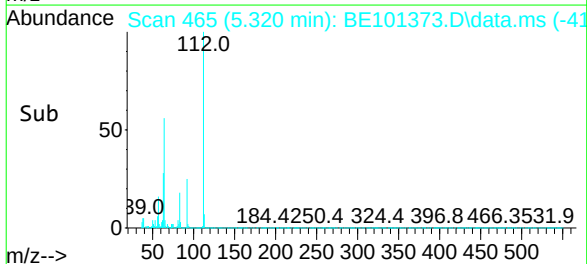
Instrument : BNA_E
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Tgt Ion: 112 Resp: 1062935
Ion Ratio Lower Upper
112 100
64 56.0 42.8 64.2
63 28.0 21.3 31.9

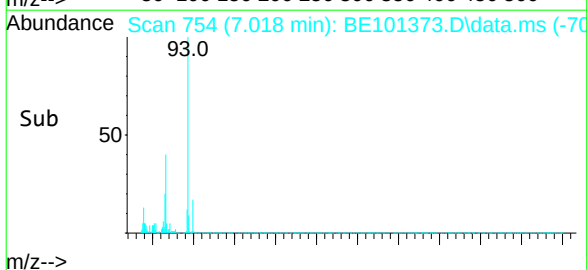
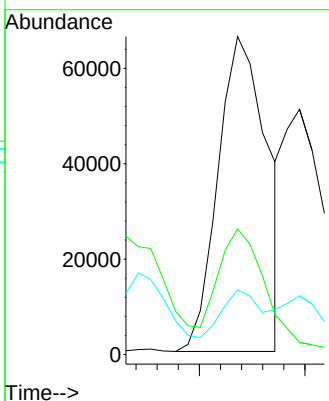
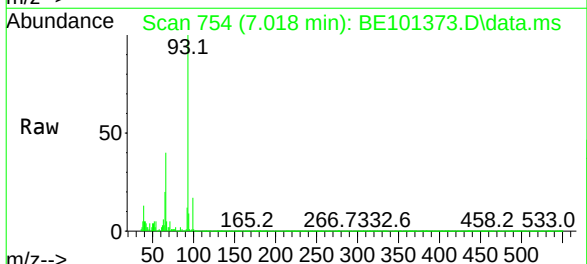
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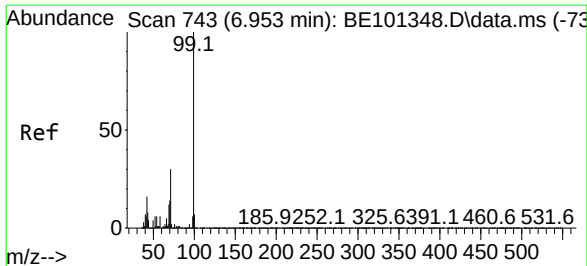
Reviewed By :Yogesh Patel 09/21/2024
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#6
Aniline
Concen: 11.893 ng
RT: 7.018 min Scan# 754
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion: 93 Resp: 106227
Ion Ratio Lower Upper
93 100
66 39.6 30.0 45.0
65 20.3 15.8 23.8





#7

Phenol-d6

Concen: 135.719 ng

RT: 6.948 min Scan# 743

Delta R.T. -0.006 min

Lab File: BE101373.D

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BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 99 Resp: 1444921

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

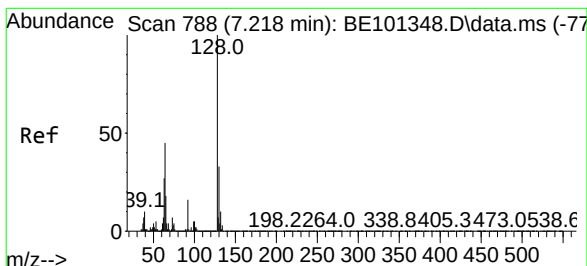
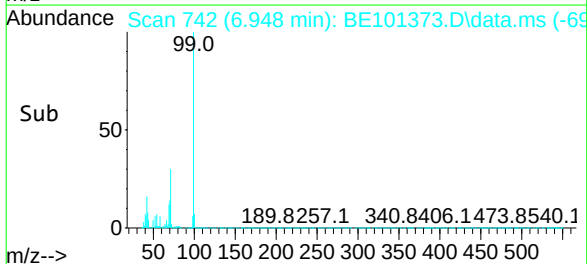
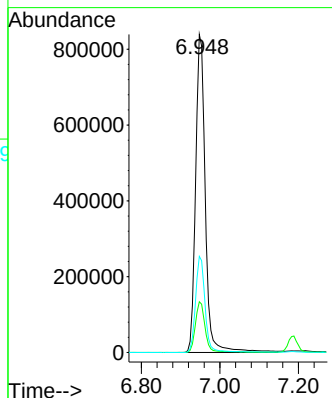
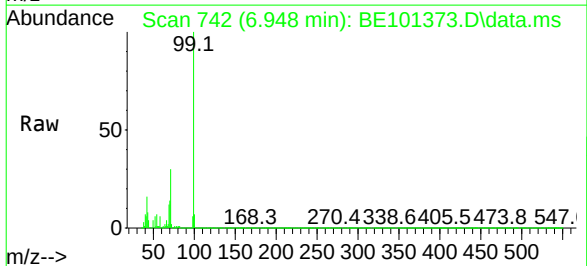
71 30.2 23.8 35.6

Manual Integrations

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Supervised By :mohammad ahmed 09/22/2024



#8

2-Chlorophenol

Concen: 9.170 ng

RT: 7.218 min Scan# 788

Delta R.T. 0.000 min

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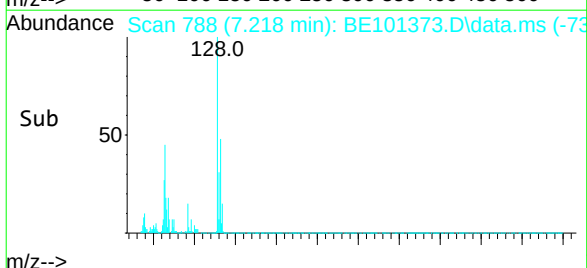
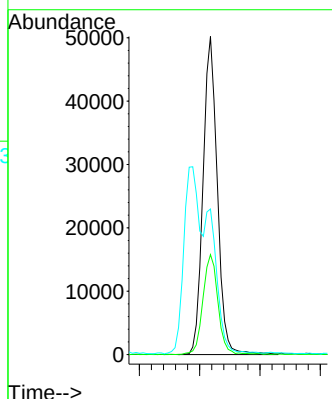
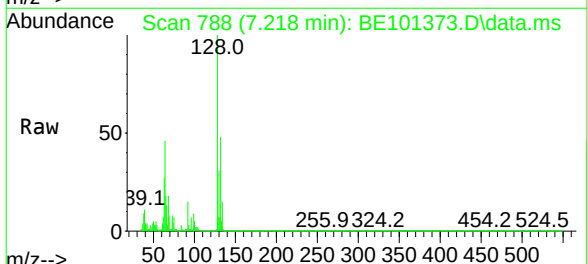
Tgt Ion:128 Resp: 82752

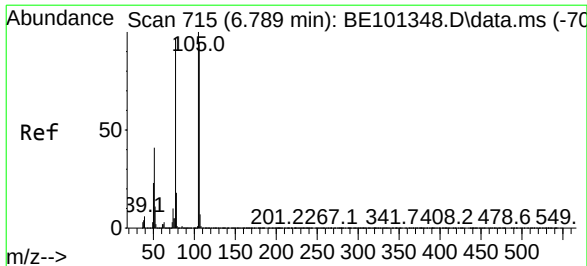
Ion Ratio Lower Upper

128 100

130 31.4 12.8 52.8

64 45.8 24.9 64.9





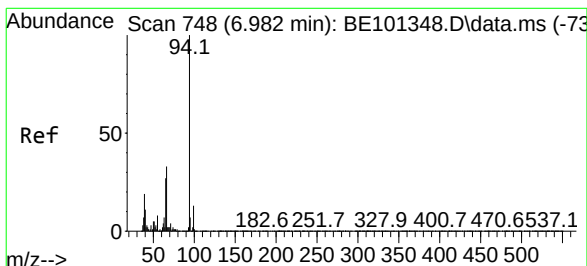
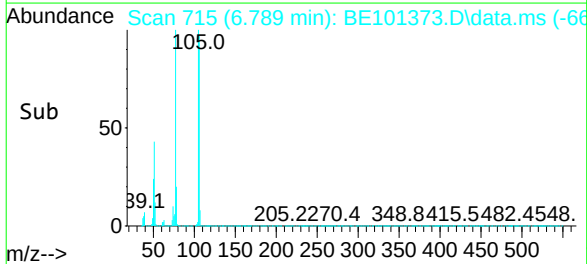
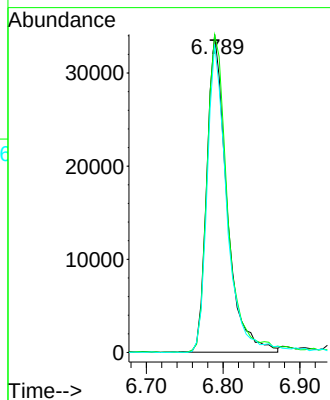
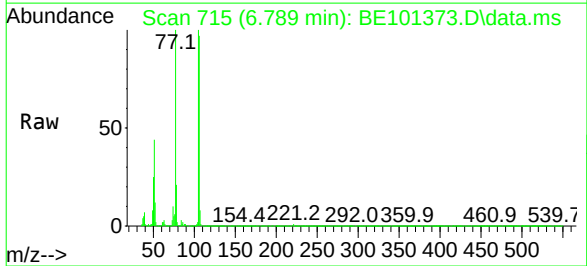
#9
Benzaldehyde
Concen: 12.584 ng
RT: 6.789 min Scan# 715
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion	Ratio	Lower	Upper
77	100		
105	99.9	82.8	122.8
106	96.8	77.9	117.9

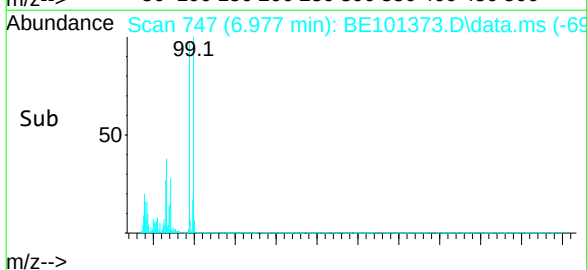
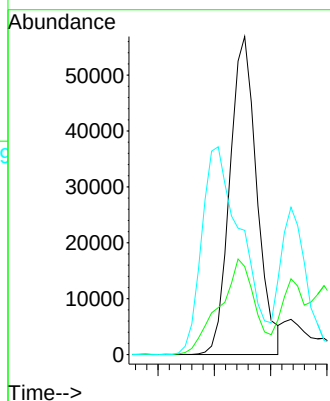
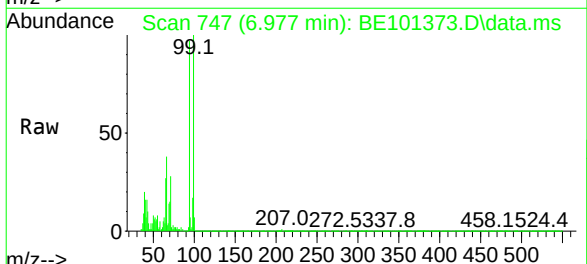
Manual Integrations
APPROVED

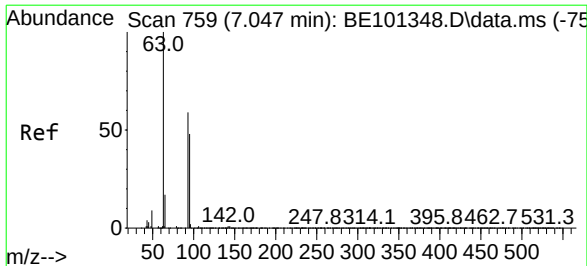
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#10
Phenol
Concen: 8.100 ng
RT: 6.977 min Scan# 747
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

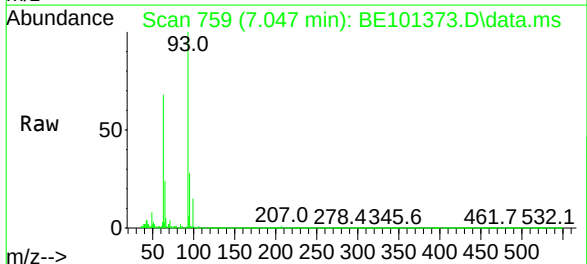
Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.7	7.1	47.1
66	39.1	13.1	53.1





#11
bis(2-Chloroethyl)ether
Concen: 8.043 ng m
RT: 7.047 min Scan# 759
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

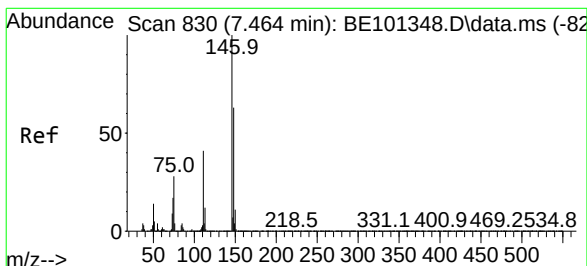
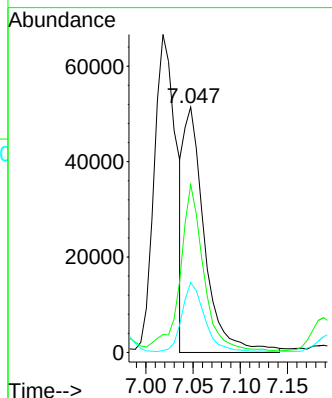
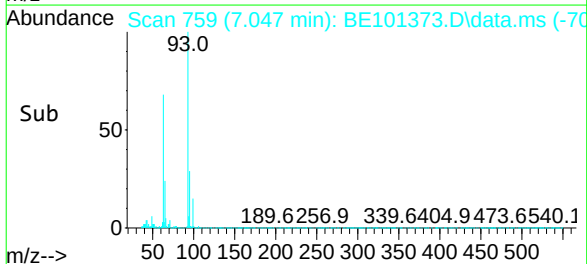
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:	93	Resp:	79655
Ion	Ratio	Lower	Upper
93	100		
63	68.4	43.7	83.7
95	28.5	8.7	48.7

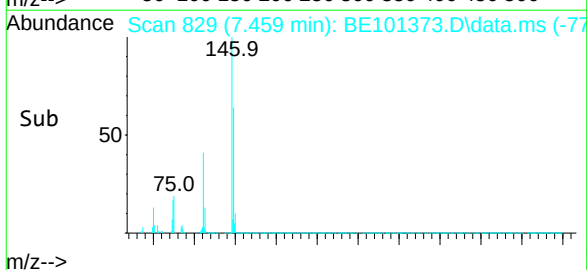
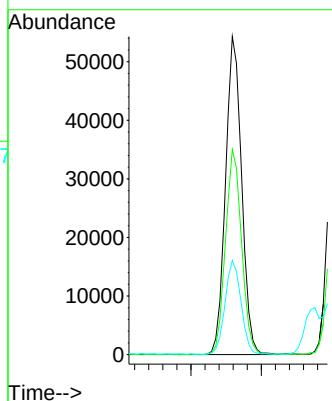
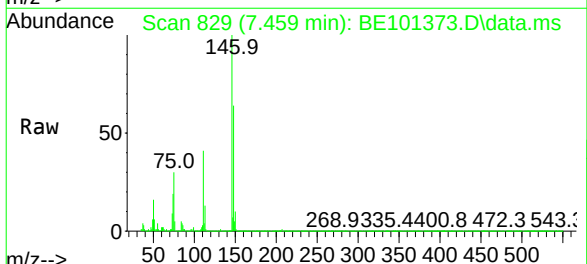
Manual Integrations
APPROVED

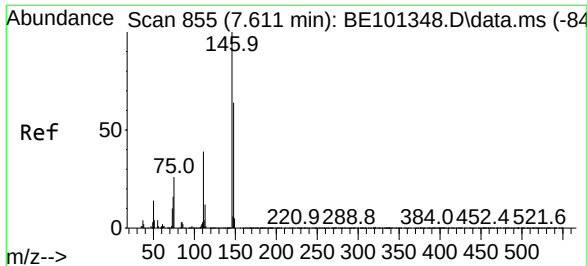
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#12
1,3-Dichlorobenzene
Concen: 8.905 ng
RT: 7.459 min Scan# 829
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:	146	Resp:	86370
Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.8	76.2
75	29.6	22.1	33.1





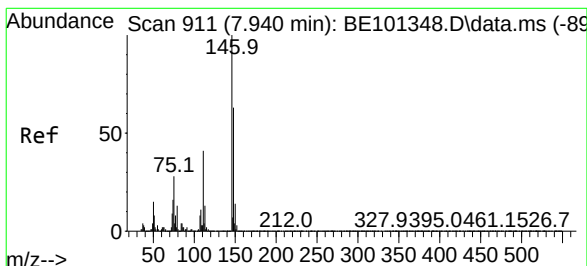
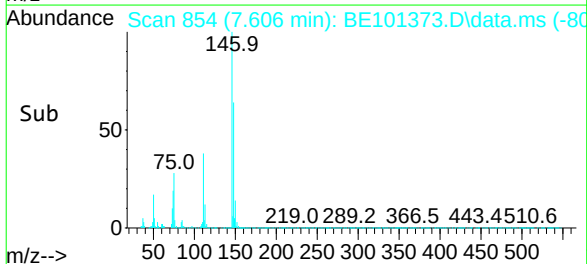
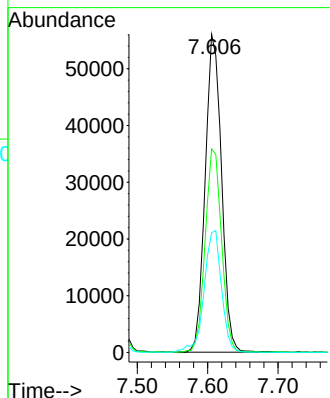
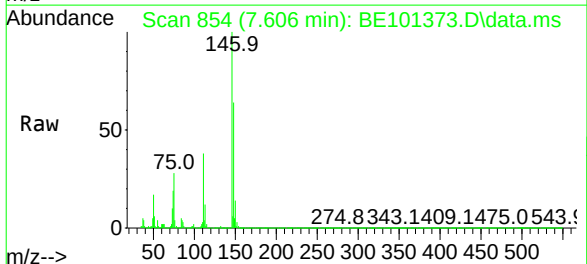
#13
1,4-Dichlorobenzene
Concen: 9.114 ng
RT: 7.606 min Scan# 85
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:146 Resp: 90062
Ion Ratio Lower Upper
146 100
148 64.0 51.1 76.7
111 37.7 31.1 46.7

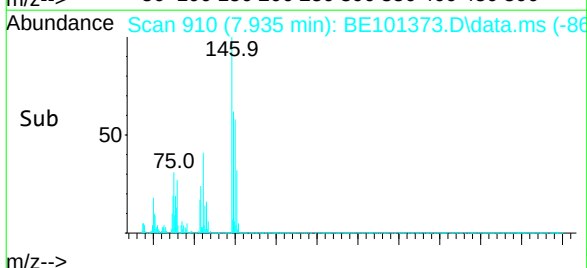
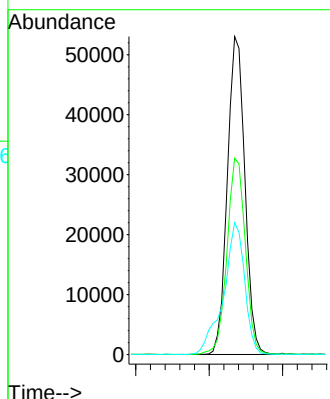
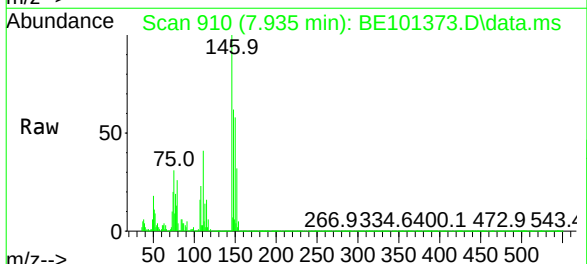
Manual Integrations
APPROVED

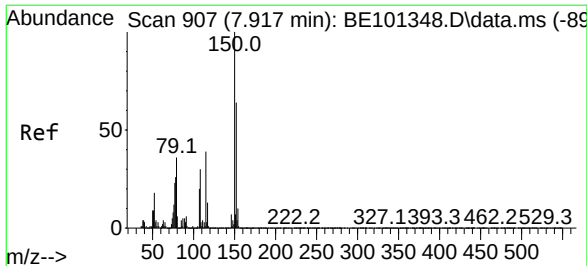
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#14
1,2-Dichlorobenzene
Concen: 8.981 ng
RT: 7.935 min Scan# 910
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:146 Resp: 87942
Ion Ratio Lower Upper
146 100
148 61.7 50.4 75.6
111 41.5 32.6 48.8





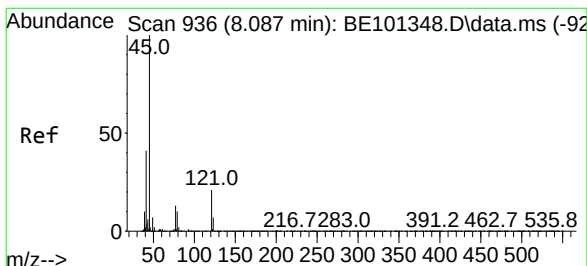
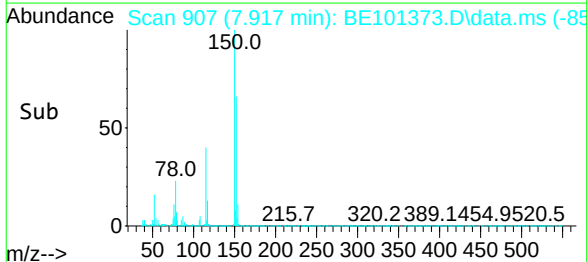
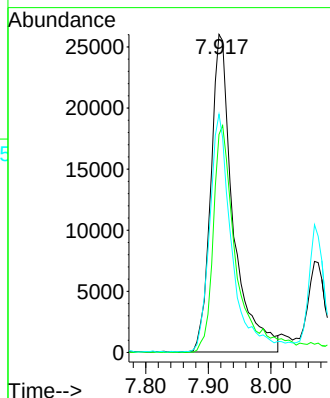
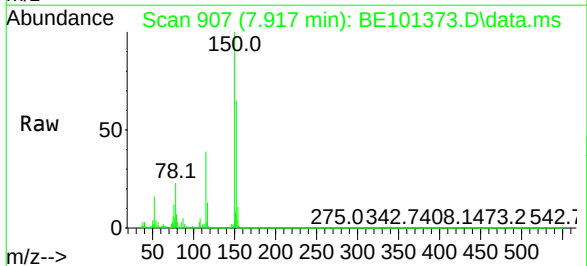
#15
Benzyl Alcohol
Concen: 10.254 ng
RT: 7.917 min Scan# 907
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion	Ratio	Lower	Upper
79	100		
108	68.6	66.0	99.0
77	74.9	51.0	76.6

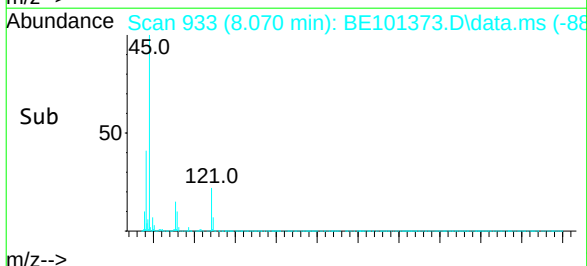
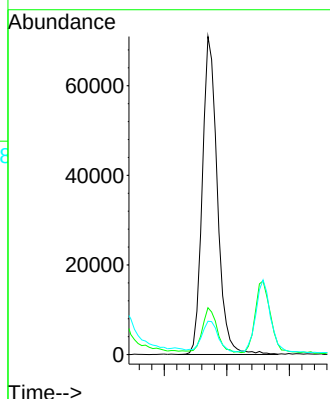
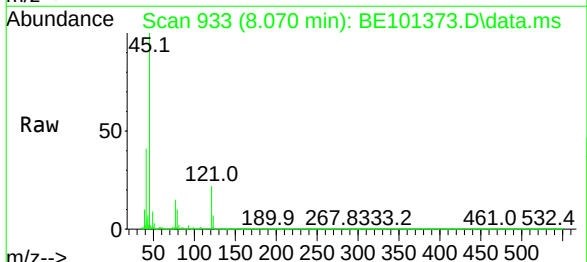
Manual Integrations
APPROVED

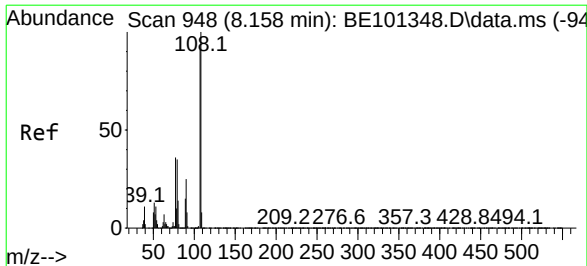
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.494 ng
RT: 8.070 min Scan# 933
Delta R.T. -0.017 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	34.3
79	10.5	0.0	31.6





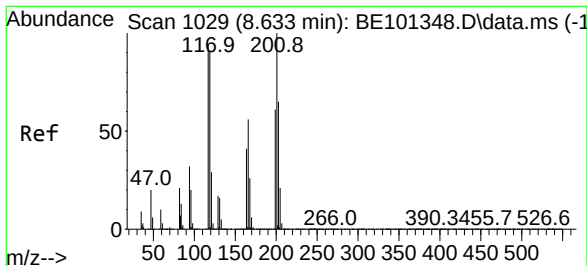
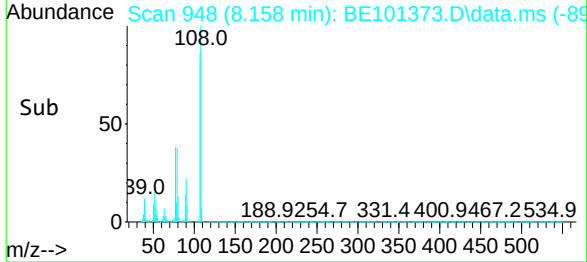
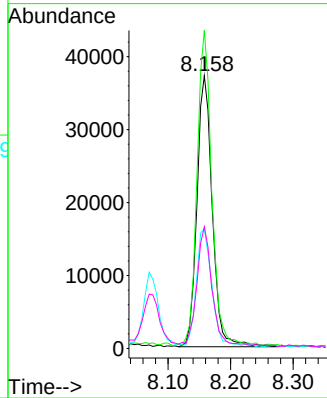
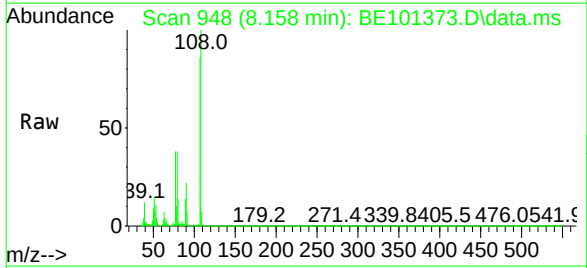
#17
2-Methylphenol
Concen: 8.151 ng
RT: 8.158 min Scan# 948
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt	Ion	107	Resp:	63201
Ion	Ratio	Lower	Upper	
107	100			
108	116.6	88.2	132.2	
77	43.9	34.9	52.3	
79	44.6	33.3	49.9	

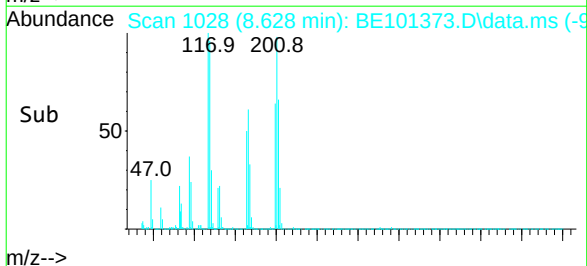
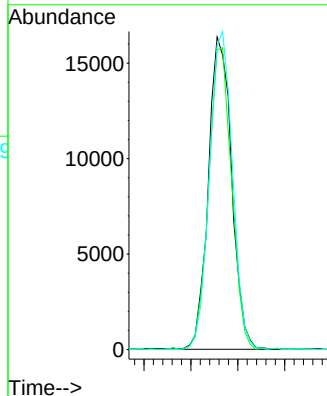
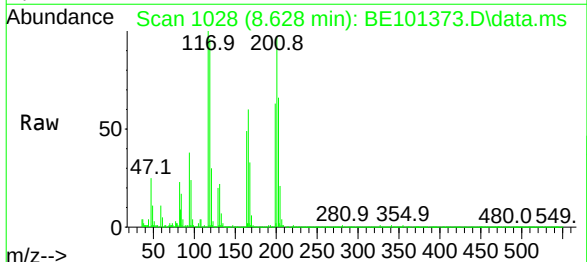
Manual Integrations
APPROVED

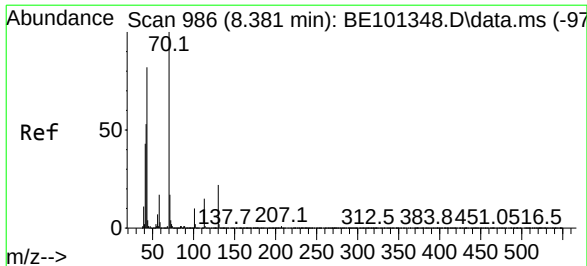
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#18
Hexachloroethane
Concen: 8.725 ng
RT: 8.628 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

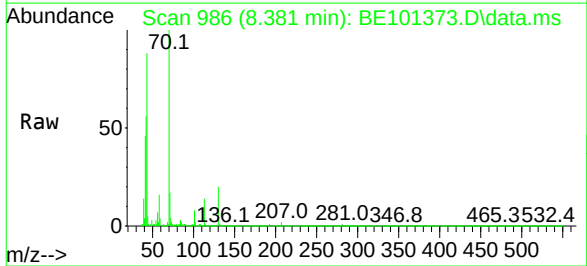
Tgt	Ion	117	Resp:	28198
Ion	Ratio	Lower	Upper	
117	100			
119	96.0	77.4	116.2	
201	97.4	84.8	127.2	





#19
n-Nitroso-di-n-propylamine
Concen: 8.418 ng
RT: 8.381 min Scan# 986
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

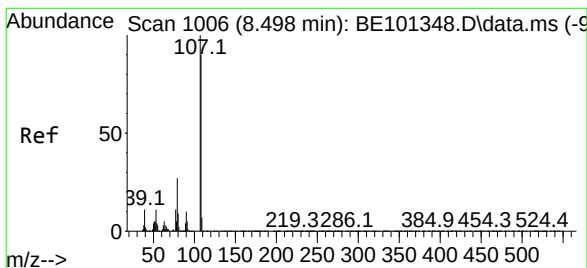
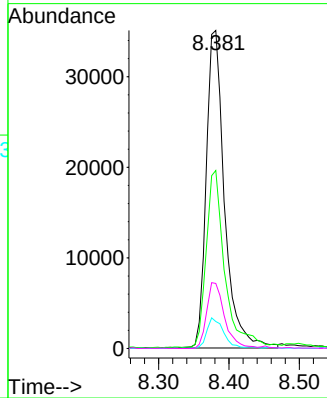
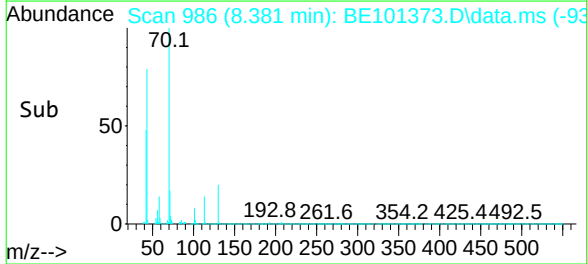
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



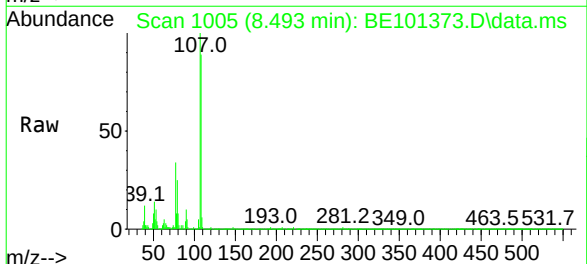
Tgt Ion:	70	Resp:	63255
Ion	Ratio	Lower	Upper
70	100		
42	56.0	42.5	63.7
101	8.5	7.8	11.6
130	20.5	17.9	26.9

Manual Integrations
APPROVED

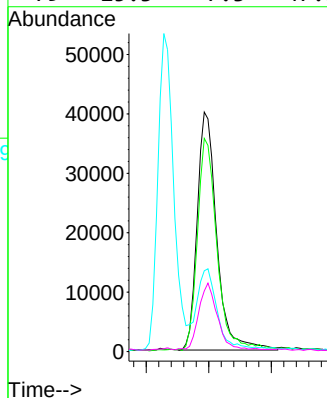
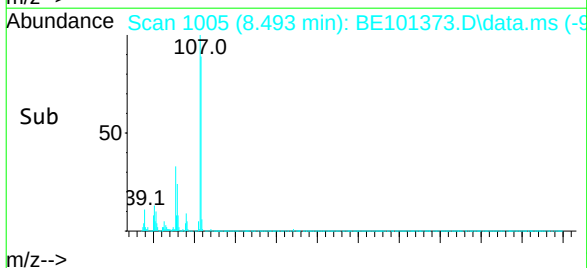
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

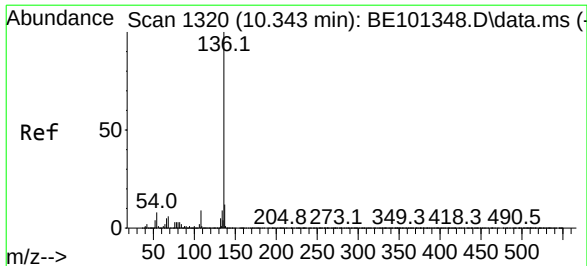


#20
3+4-Methylphenols
Concen: 7.976 ng
RT: 8.493 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04



Tgt Ion:	107	Resp:	87025
Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.4	110.4
77	33.7	12.5	52.5
79	25.3	7.3	47.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.344 min Scan# 1320

Delta R.T. 0.000 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

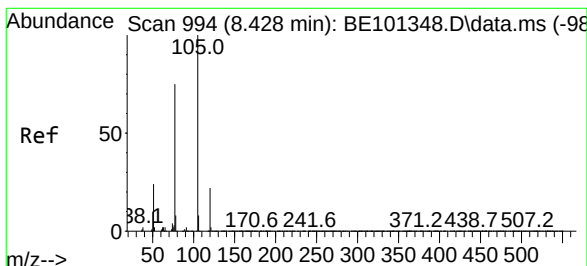
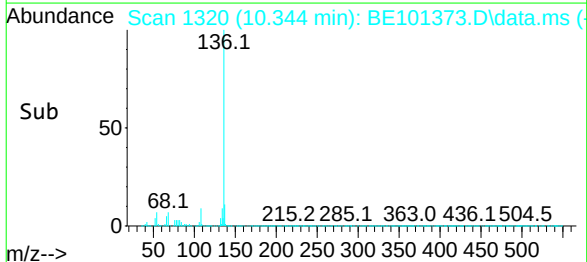
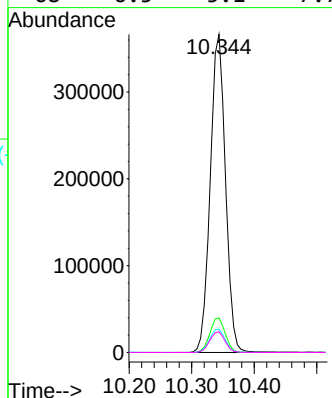
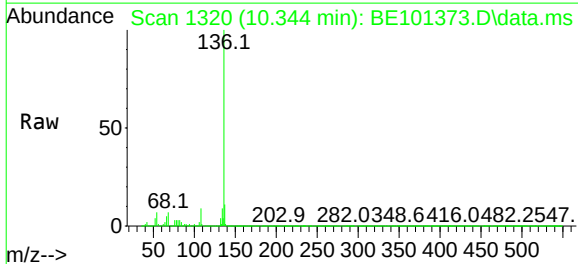
Tgt	Ion:136	Resp:	619481
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	7.3	6.1	9.1
68	6.5	5.1	7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#22

Acetophenone

Concen: 9.339 ng

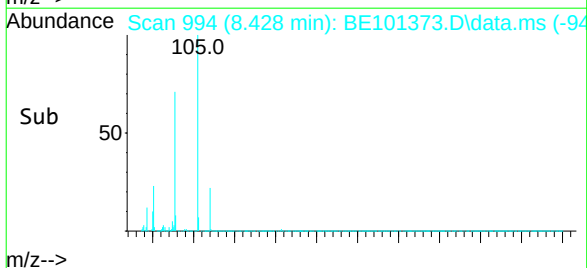
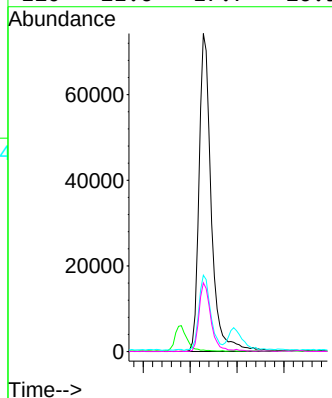
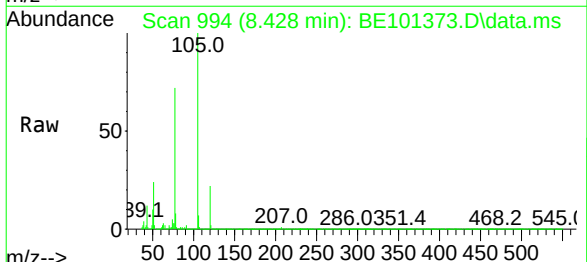
RT: 8.428 min Scan# 994

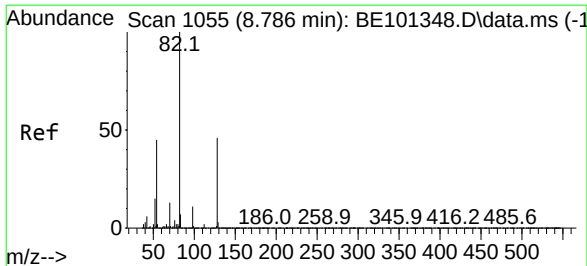
Delta R.T. 0.000 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt	Ion:105	Resp:	134161
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.1	0.1#
51	24.0	19.0	28.4
120	21.6	17.7	26.5





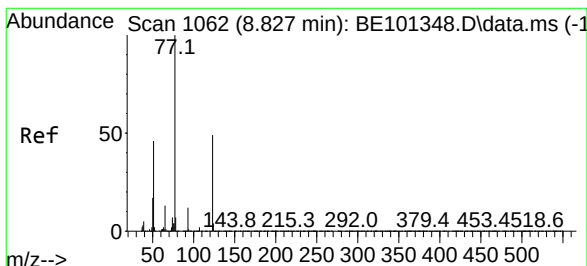
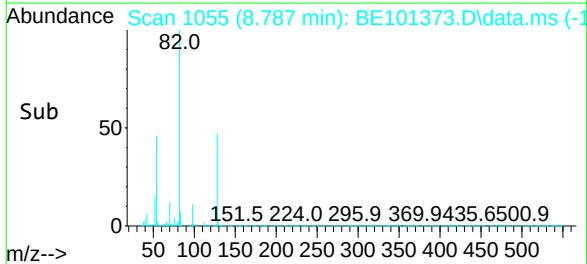
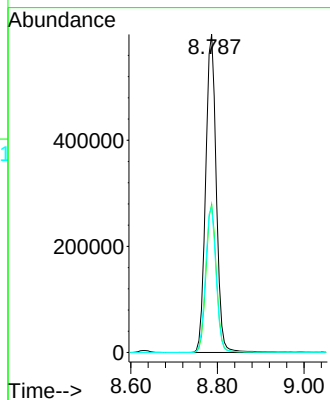
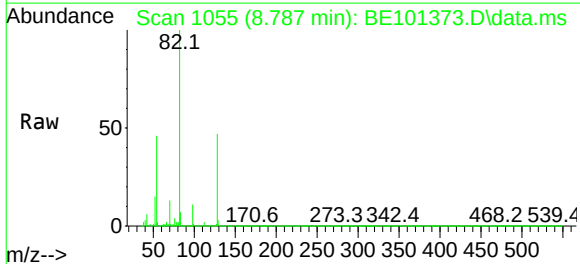
#23
Nitrobenzene-d5
Concen: 104.217 ng
RT: 8.787 min Scan# 1055
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion: 82 Resp: 1018332
Ion Ratio Lower Upper
82 100
128 46.6 36.8 55.2
54 45.8 36.2 54.4

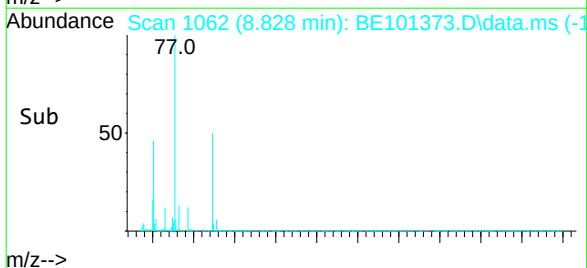
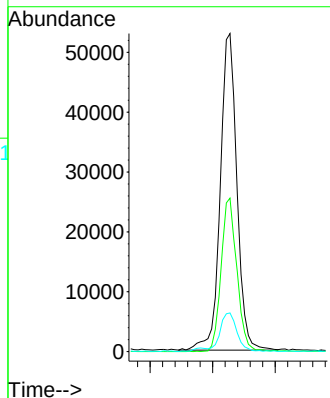
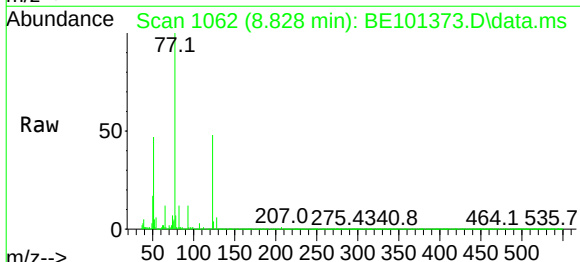
Manual Integrations
APPROVED

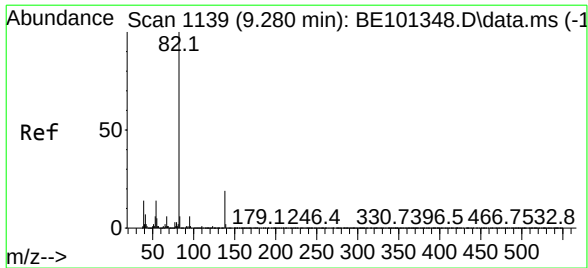
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#24
Nitrobenzene
Concen: 9.382 ng
RT: 8.828 min Scan# 1062
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

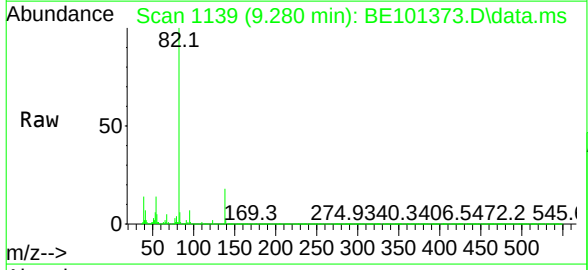
Tgt Ion: 77 Resp: 97871
Ion Ratio Lower Upper
77 100
123 48.3 39.0 58.4
65 12.2 10.2 15.4





#25
Isophorone
Concen: 8.907 ng
RT: 9.280 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

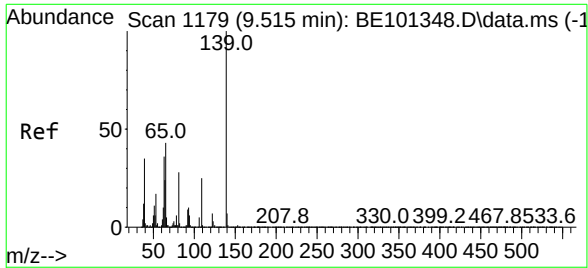
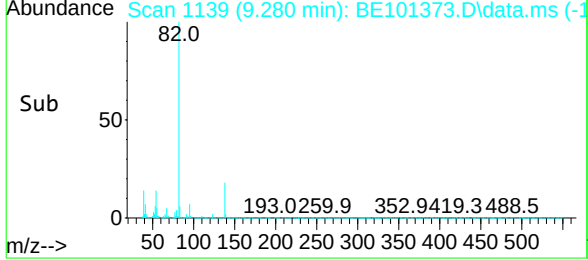
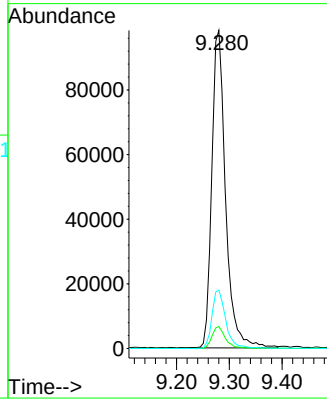
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.2	7.8
138	18.3	15.0	22.6

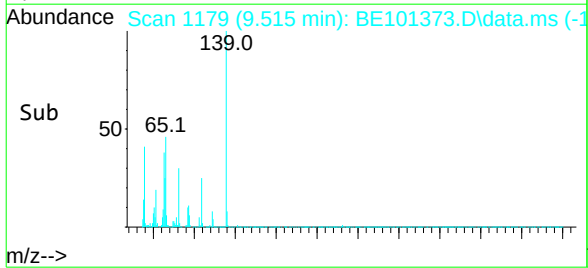
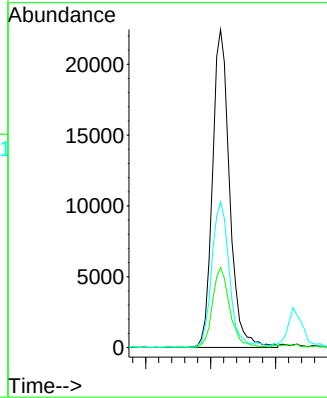
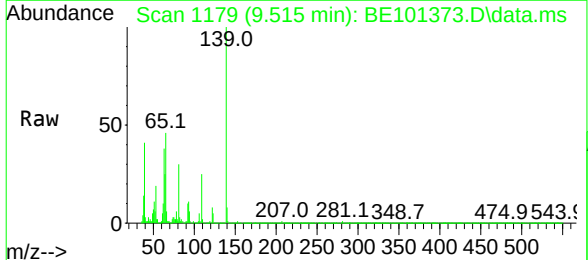
Manual Integrations
APPROVED

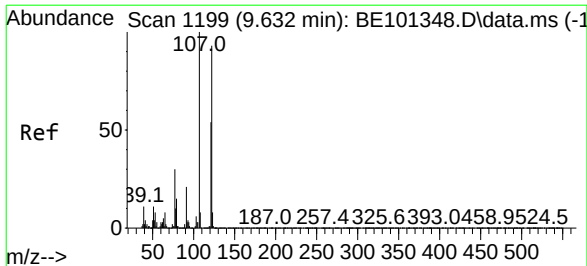
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#26
2-Nitrophenol
Concen: 8.341 ng
RT: 9.515 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

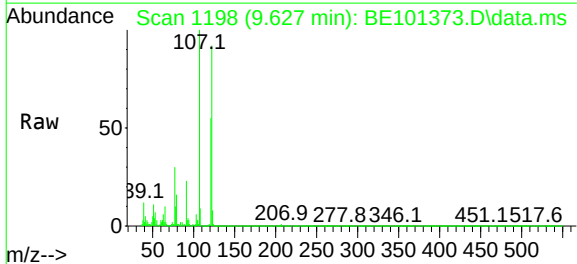
Tgt Ion	Ratio	Lower	Upper
139	100		
109	25.2	19.8	29.6
65	45.8	34.6	52.0





#27
2,4-Dimethylphenol
Concen: 7.305 ng
RT: 9.627 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

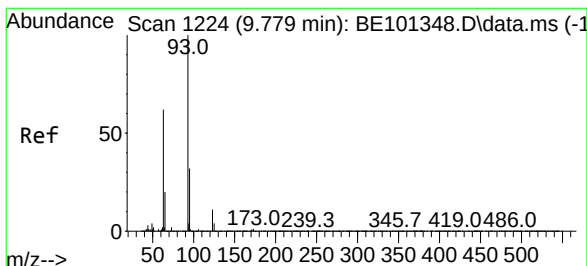
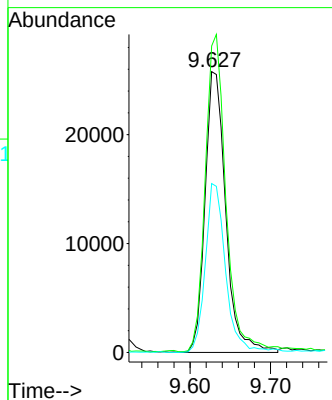
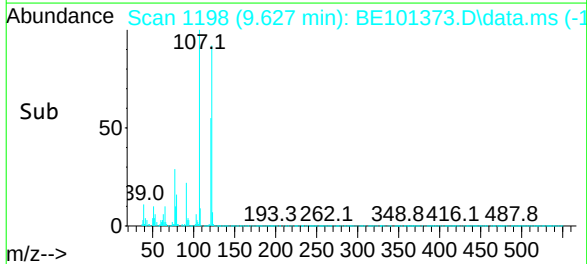
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt Ion: 122 Resp: 46175
Ion Ratio Lower Upper
122 100
107 109.2 86.4 129.6
121 60.1 46.3 69.5

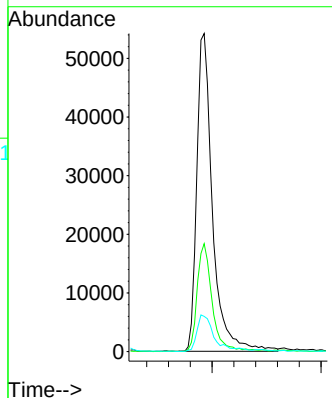
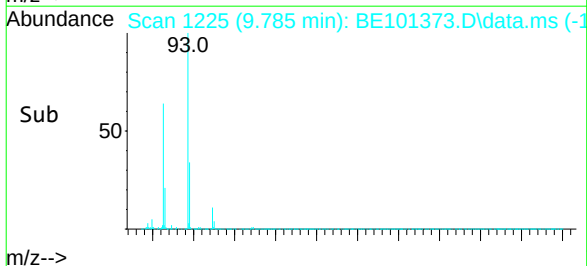
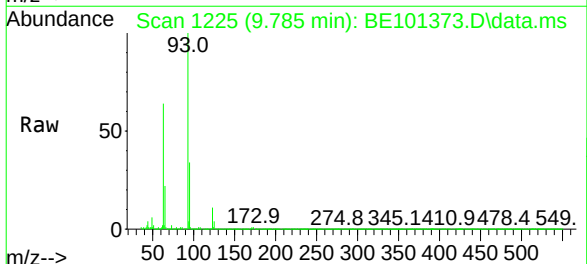
Manual Integrations
APPROVED

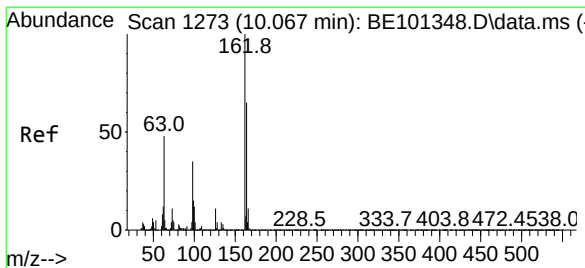
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.954 ng
RT: 9.785 min Scan# 1225
Delta R.T. 0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion: 93 Resp: 108342
Ion Ratio Lower Upper
93 100
95 33.9 26.0 39.0
123 11.1 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 8.739 ng

RT: 10.062 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

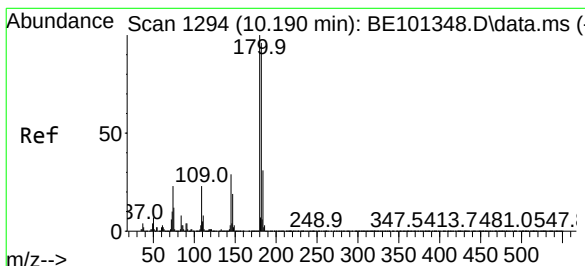
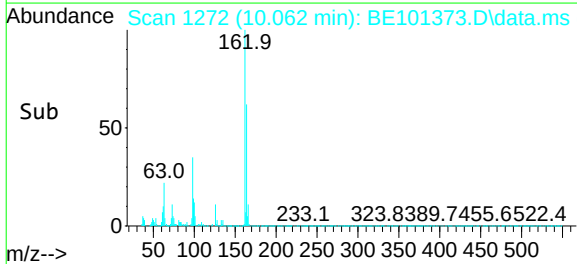
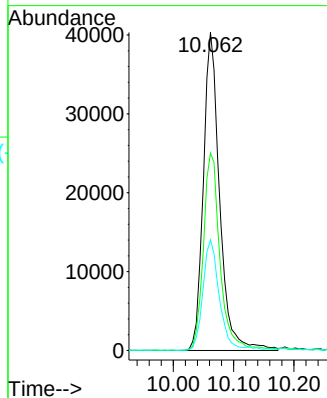
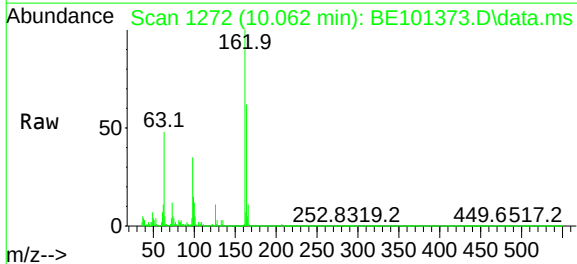
Tgt Ion:	162	Resp:	75643
Ion Ratio	Lower	Upper	
162	100		
164	62.1	44.6	84.6
98	34.8	14.7	54.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#30

1,2,4-Trichlorobenzene

Concen: 9.173 ng

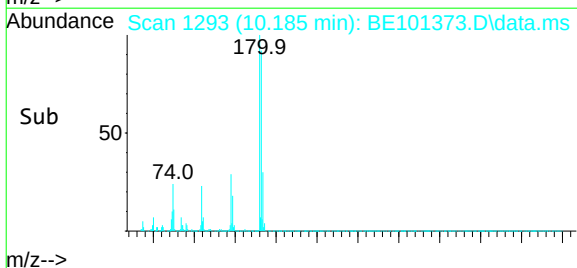
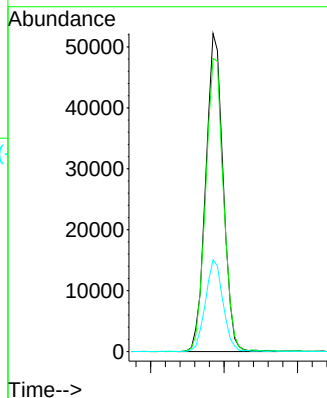
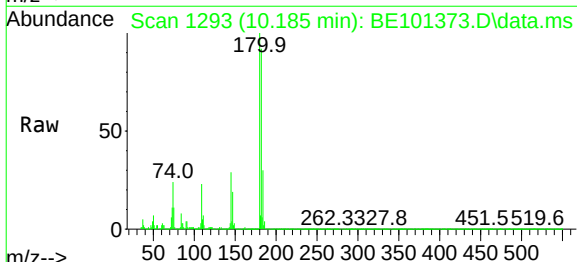
RT: 10.185 min Scan# 1293

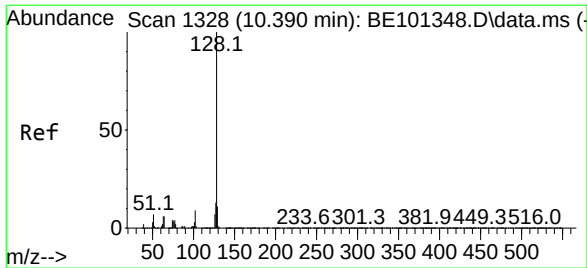
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	180	Resp:	85806
Ion Ratio	Lower	Upper	
180	100		
182	92.1	76.6	114.8
145	28.9	23.5	35.3





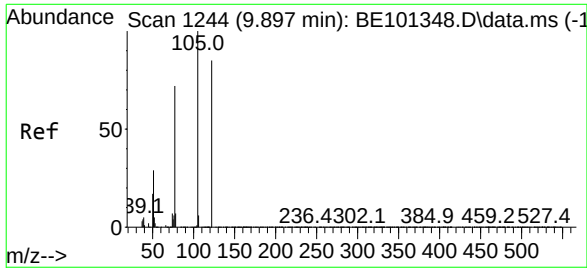
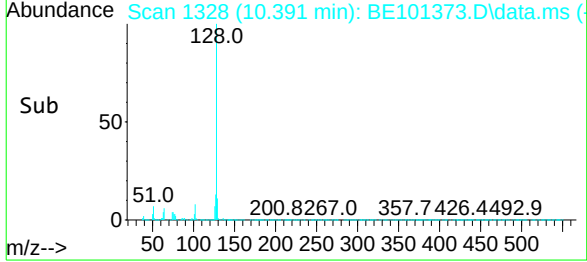
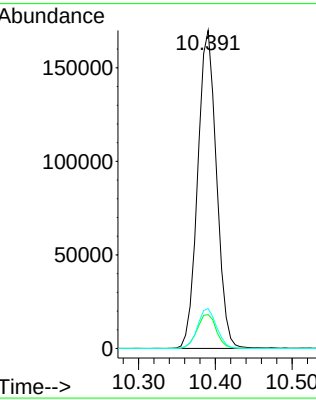
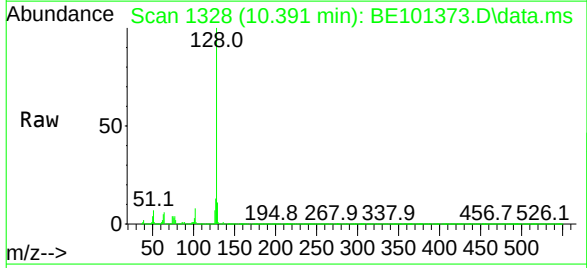
#31
Naphthalene
Concen: 9.244 ng
RT: 10.391 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:	128	Resp:	288948
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.8	13.2
127	12.5	10.3	15.5

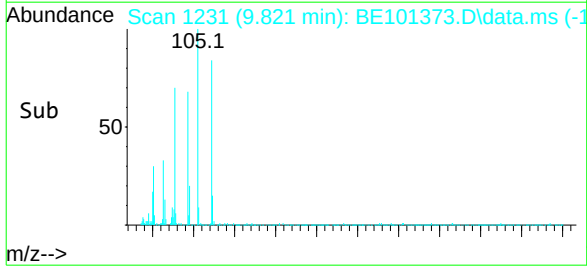
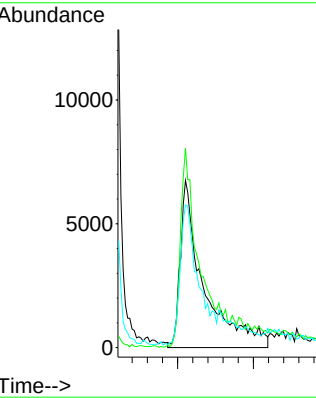
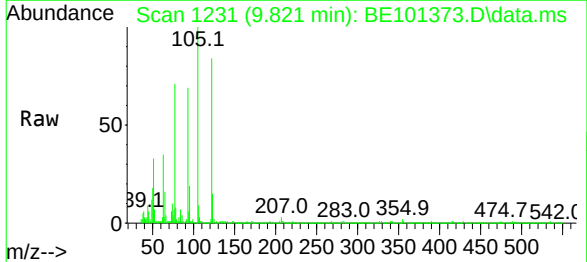
Manual Integrations
APPROVED

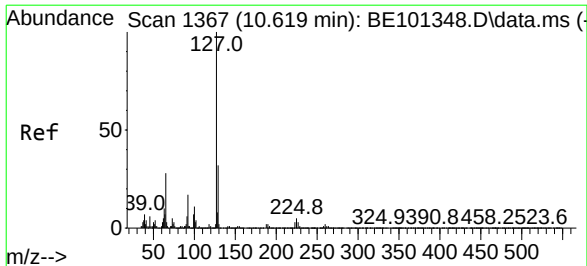
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#32
Benzoic acid
Concen: 10.994 ng m
RT: 9.821 min Scan# 1231
Delta R.T. -0.076 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:	122	Resp:	29041
Ion Ratio	Lower	Upper	
122	100		
105	119.3	96.7	136.7
77	85.3	64.8	104.8





#33

4-Chloroaniline

Concen: 9.311 ng

RT: 10.620 min Scan# 13

Delta R.T. 0.000 min

Lab File: BE101373.D

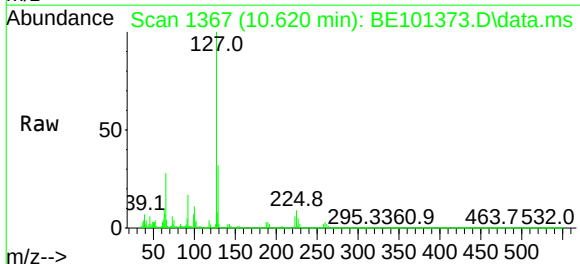
Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

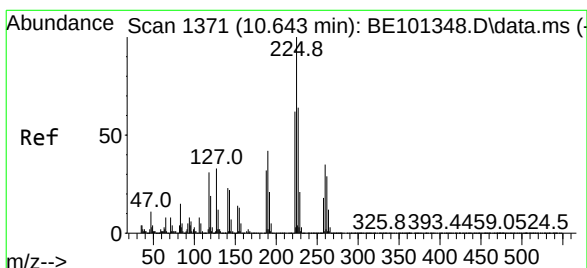
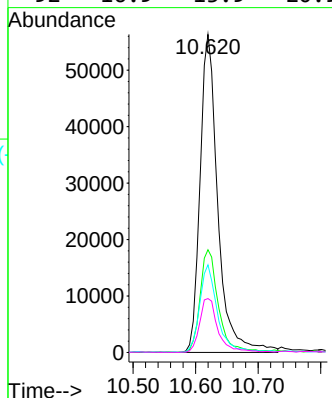
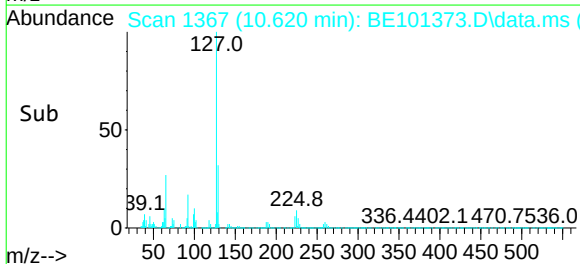


Tgt Ion:	127	Resp:	111348
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	27.6	22.5	33.7
92	16.9	13.9	20.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#34

Hexachlorobutadiene

Concen: 8.961 ng

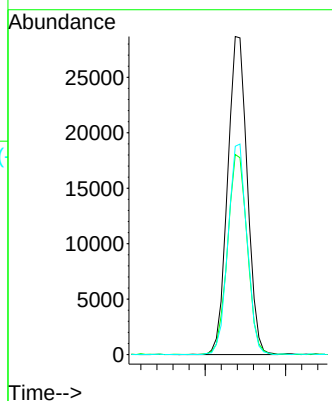
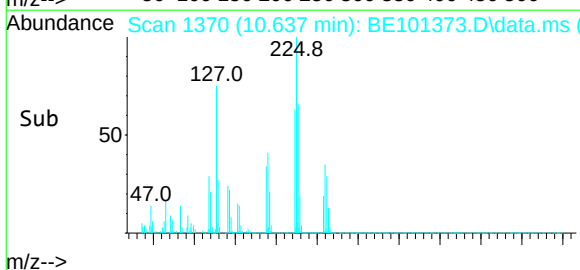
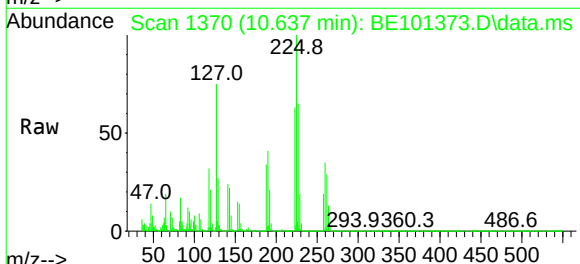
RT: 10.637 min Scan# 1370

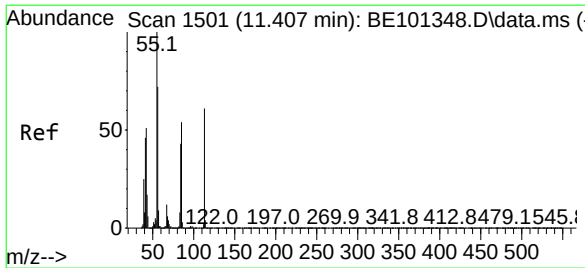
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

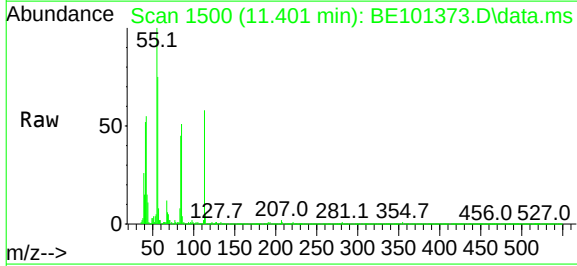
Tgt Ion:	225	Resp:	48702
Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.8	74.8
227	65.5	51.3	76.9





#35
Caprolactam
Concen: 8.386 ng m
RT: 11.401 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

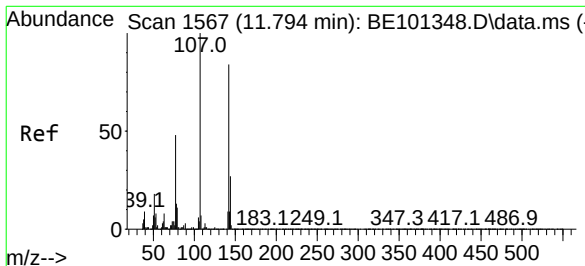
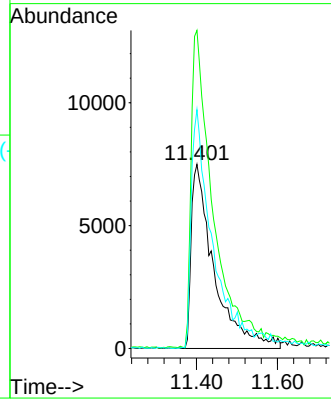
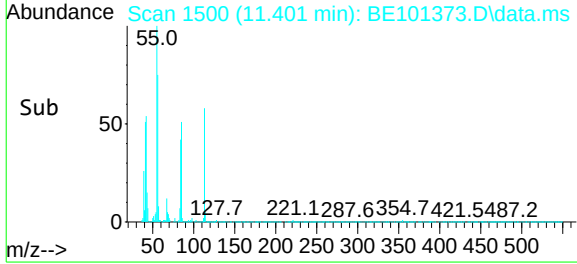
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT2-2024



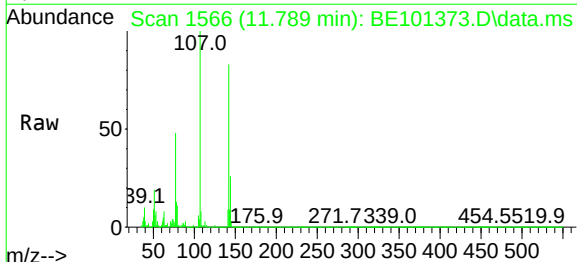
Tgt Ion:113 Resp: 29324
Ion Ratio Lower Upper
113 100
55 172.7 144.8 184.8
56 129.7 99.3 139.3

Manual Integrations
APPROVED

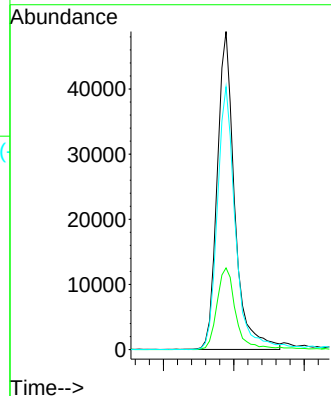
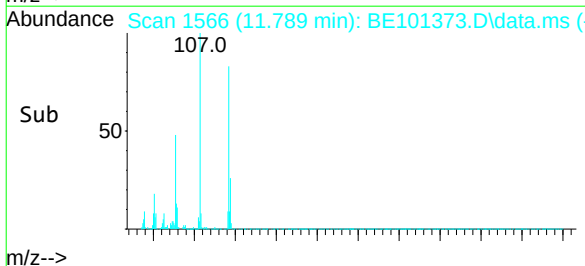
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

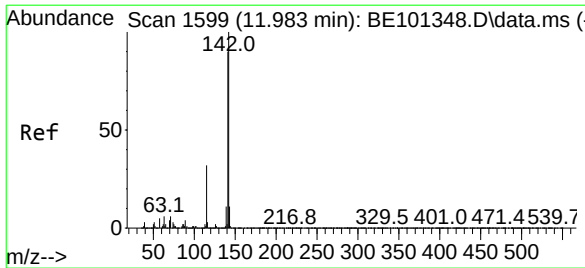


#36
4-Chloro-3-methylphenol
Concen: 8.202 ng
RT: 11.789 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04



Tgt Ion:107 Resp: 83881
Ion Ratio Lower Upper
107 100
144 25.7 21.9 32.9
142 82.7 67.4 101.2





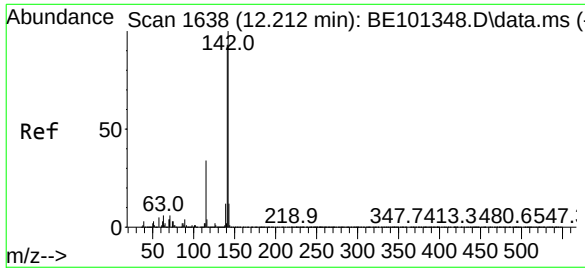
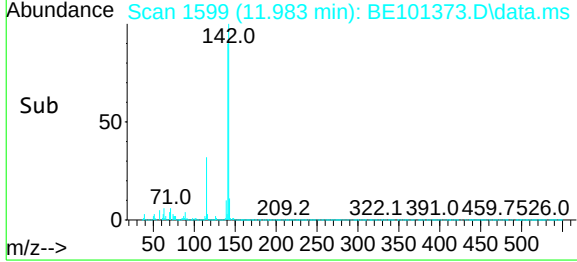
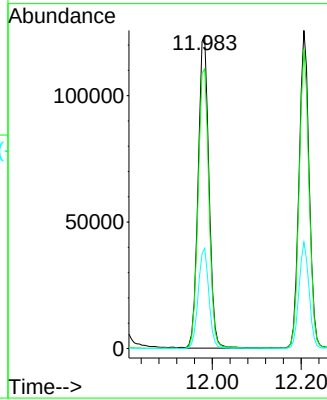
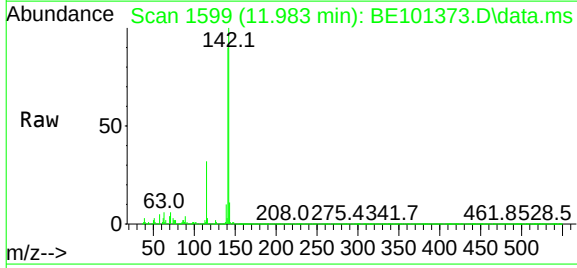
#37
2-Methylnaphthalene
Concen: 9.133 ng
RT: 11.983 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:142 Resp: 208775
Ion Ratio Lower Upper
142 100
141 89.6 71.8 107.6
115 32.1 25.6 38.4

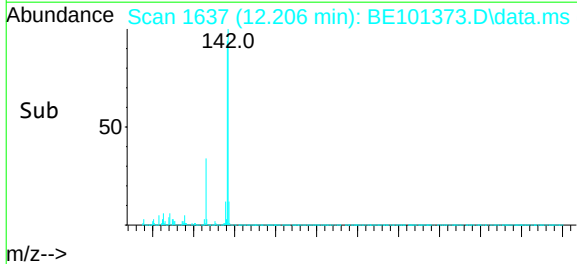
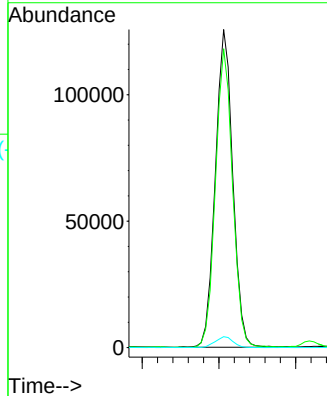
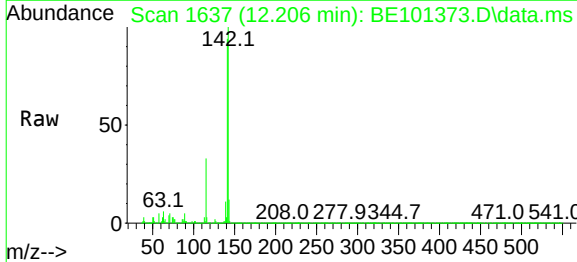
Manual Integrations
APPROVED

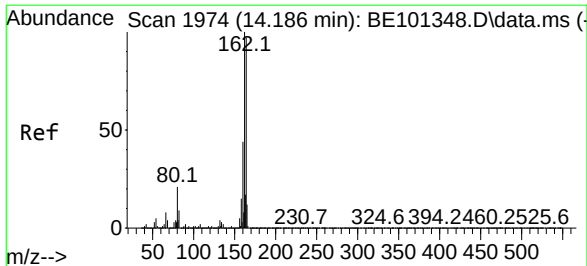
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#38
1-Methylnaphthalene
Concen: 8.625 ng
RT: 12.206 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:142 Resp: 197795
Ion Ratio Lower Upper
142 100
141 94.0 74.3 111.5
116 3.4 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: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

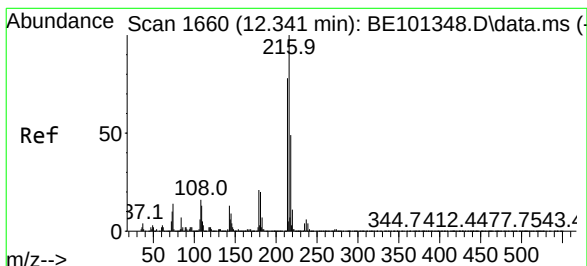
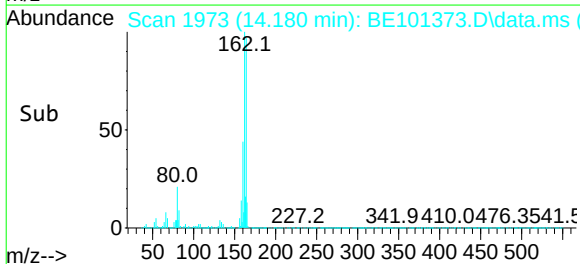
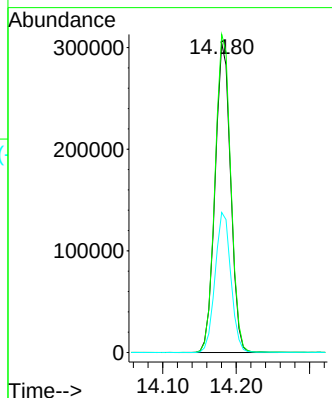
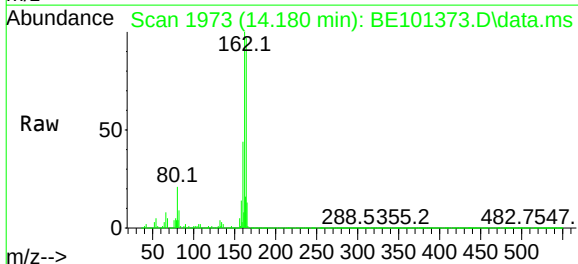
ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	164	Resp:	448629
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.6	123.8
160	45.3	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: 9.298 ng

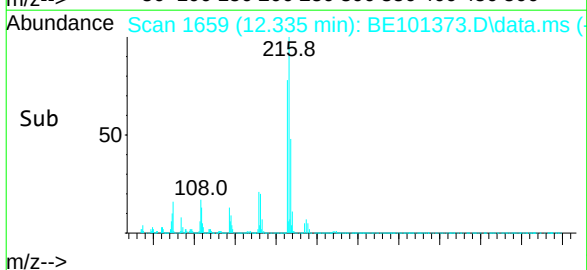
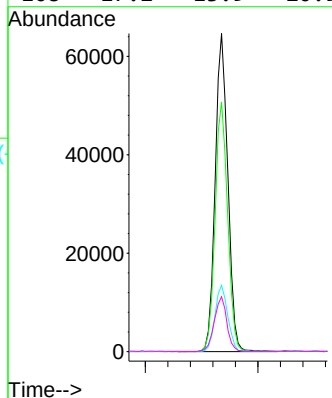
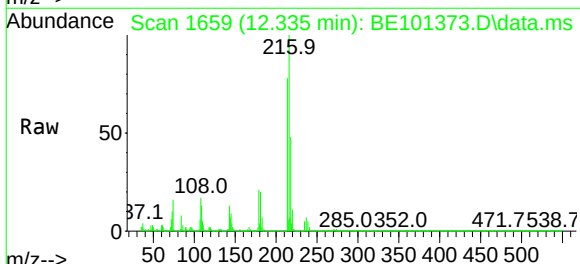
RT: 12.335 min Scan# 1659

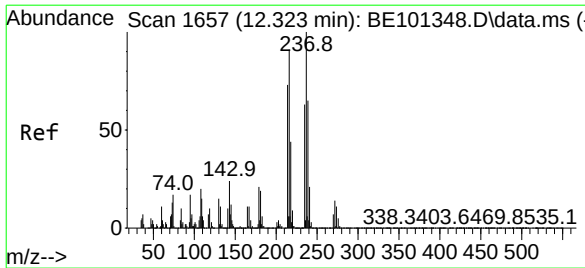
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	216	Resp:	100490
Ion Ratio	Lower	Upper	
216	100		
214	77.7	62.6	94.0
179	21.1	16.9	25.3
108	17.2	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 8.408 ng

RT: 12.318 min Scan# 1656

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

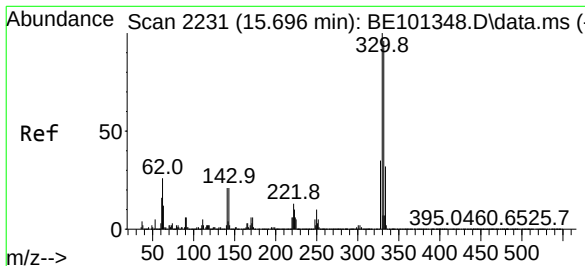
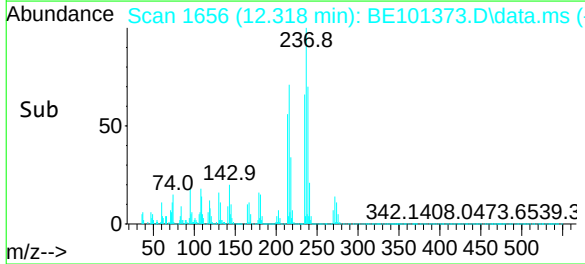
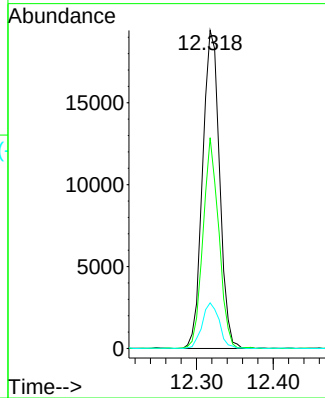
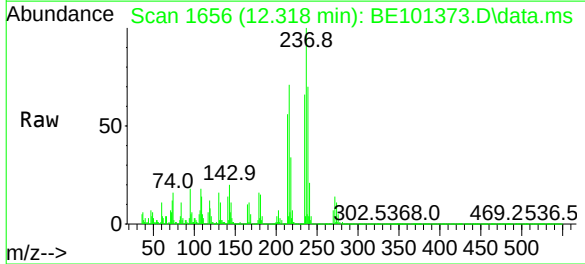
Tgt Ion:	237	Resp:	29855
Ion Ratio	Lower	Upper	
237	100		
235	66.3	42.9	82.9
272	14.3	0.0	34.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#42

2,4,6-Tribromophenol

Concen: 153.924 ng

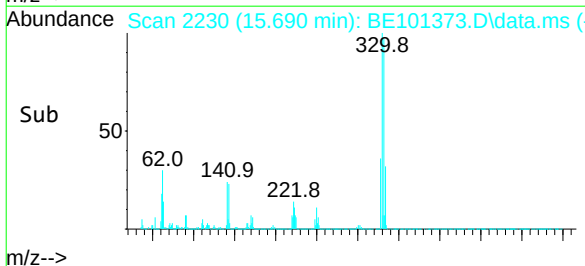
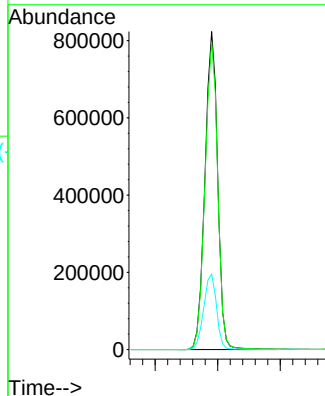
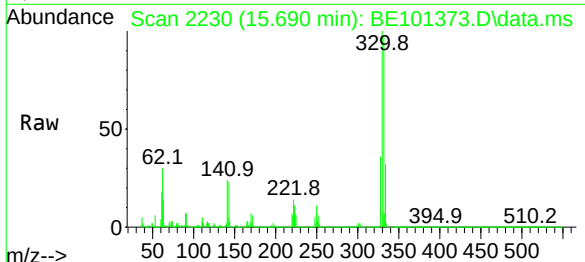
RT: 15.690 min Scan# 2230

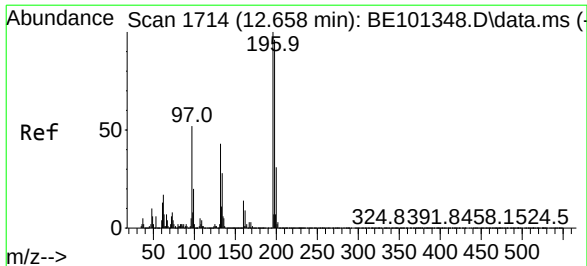
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	330	Resp:	1161478
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.8	116.8
141	24.1	19.1	28.7





#43

2,4,6-Trichlorophenol

Concen: 8.546 ng

RT: 12.659 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

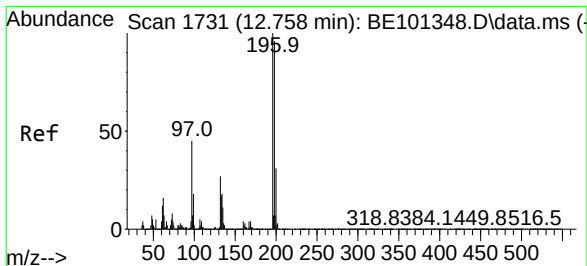
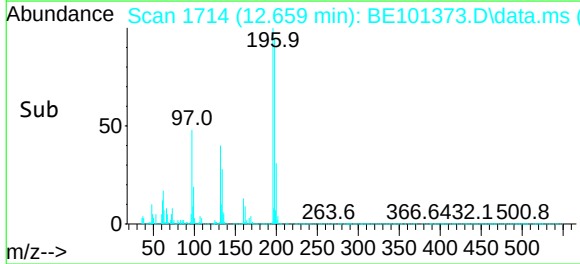
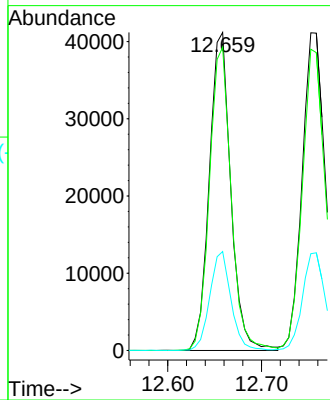
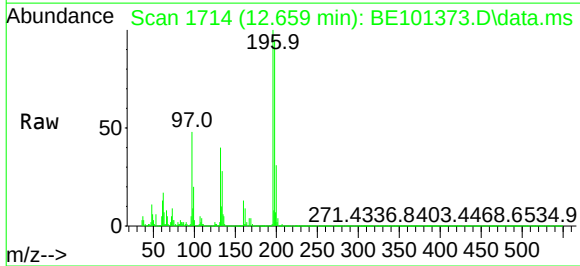
Tgt	Ion:196	Resp:	65411
Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.8	115.2
200	31.1	25.0	37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#44

2,4,5-Trichlorophenol

Concen: 8.331 ng

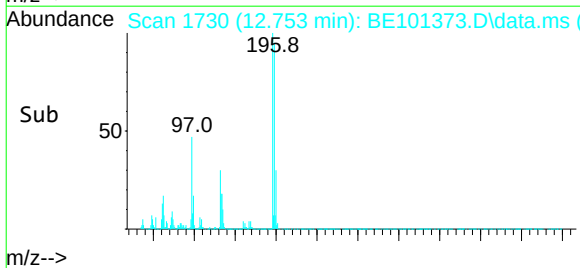
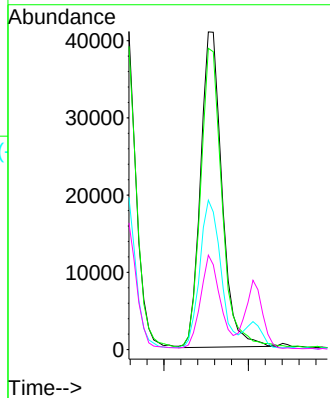
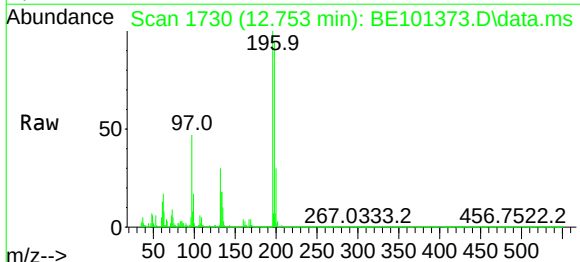
RT: 12.753 min Scan# 1730

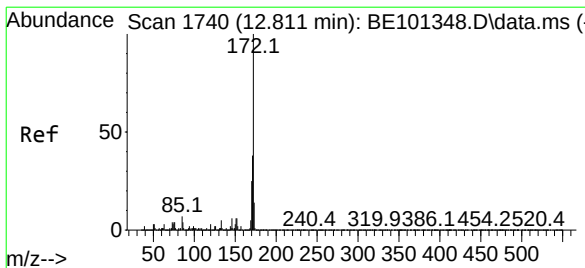
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt	Ion:196	Resp:	71945
Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.9	115.3
97	47.0	36.2	54.2
132	29.7	22.0	33.0





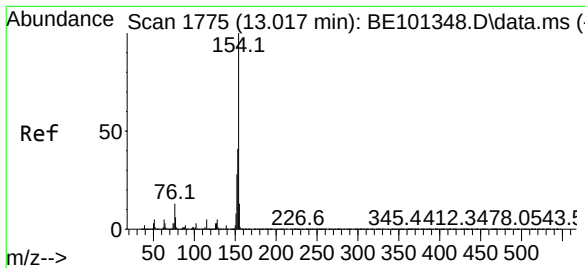
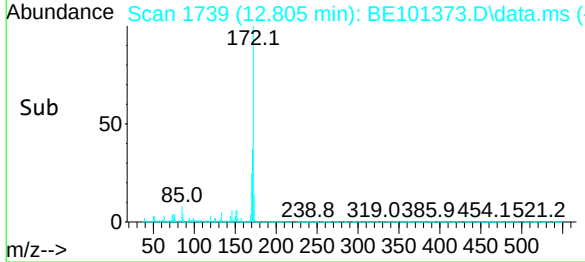
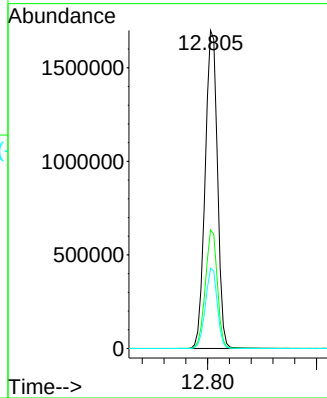
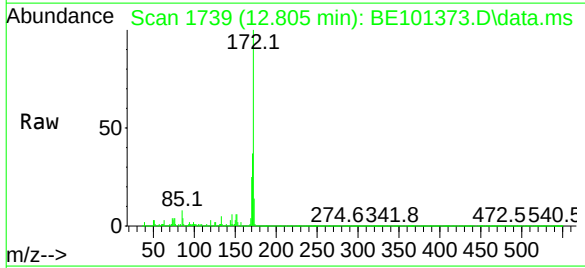
#45
2-Fluorobiphenyl
Concen: 102.630 ng
RT: 12.805 min Scan# 1719
Delta R.T. -0.005 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:172 Resp: 2664419
Ion Ratio Lower Upper
172 100
171 37.3 30.2 45.2
170 25.2 20.2 30.4

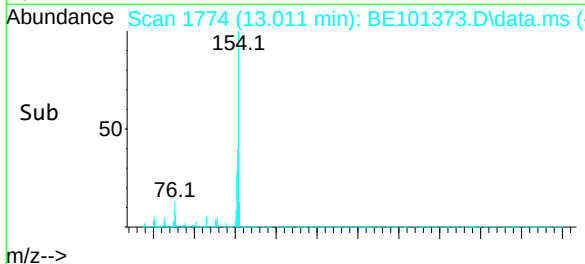
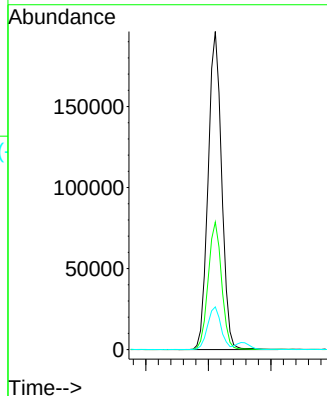
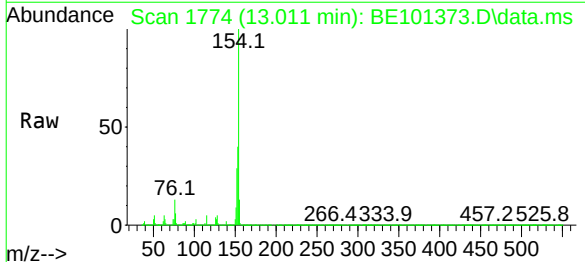
Manual Integrations
APPROVED

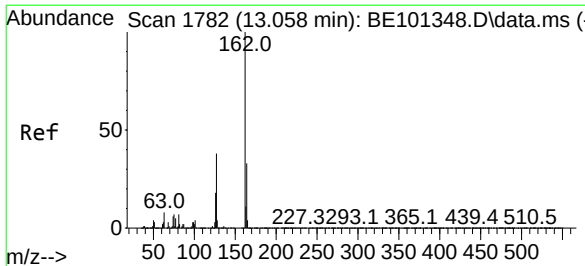
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#46
1,1'-Biphenyl
Concen: 9.706 ng
RT: 13.011 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:154 Resp: 295088
Ion Ratio Lower Upper
154 100
153 40.1 21.2 61.2
76 13.4 0.0 33.4





#47

2-Chloronaphthalene

Concen: 9.171 ng

RT: 13.052 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

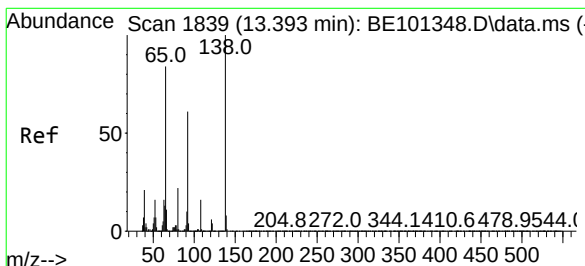
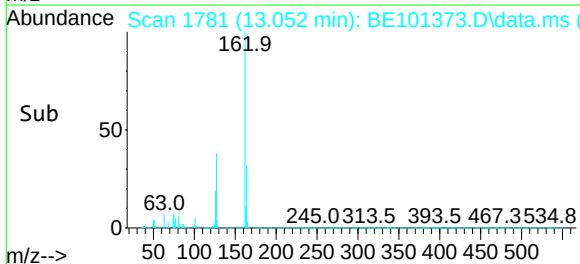
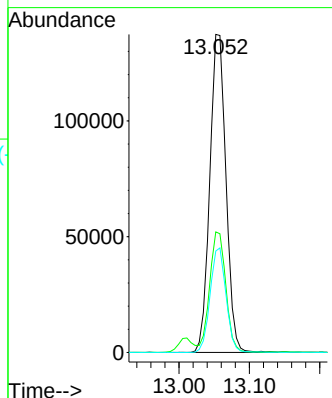
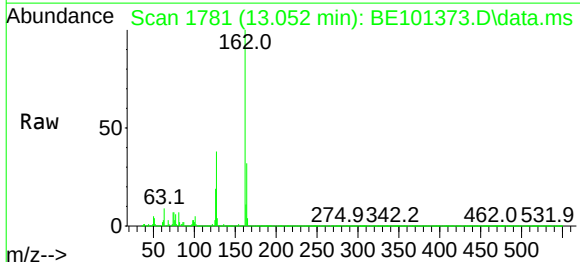
Tgt Ion:	162	Resp:	219332
Ion Ratio	Lower	Upper	
162	100		
127	37.9	31.2	46.8
164	31.9	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#48

2-Nitroaniline

Concen: 8.336 ng

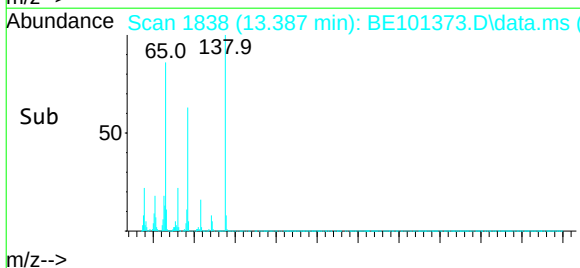
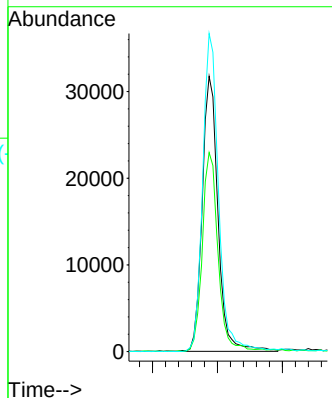
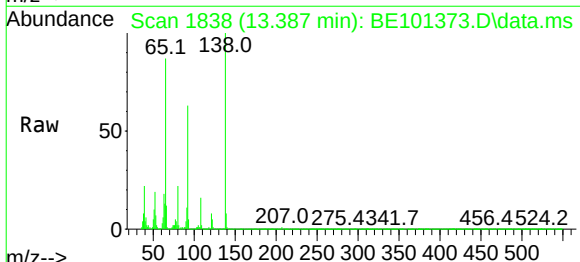
RT: 13.387 min Scan# 1838

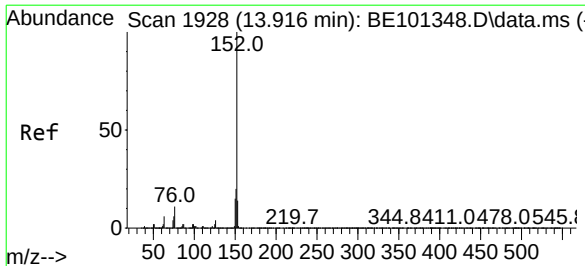
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	65	Resp:	53635
Ion Ratio	Lower	Upper	
65	100		
92	72.3	58.3	87.5
138	115.5	95.0	142.4





#49

Acenaphthylene

Concen: 10.101 ng

RT: 13.916 min Scan# 19

Delta R.T. 0.000 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

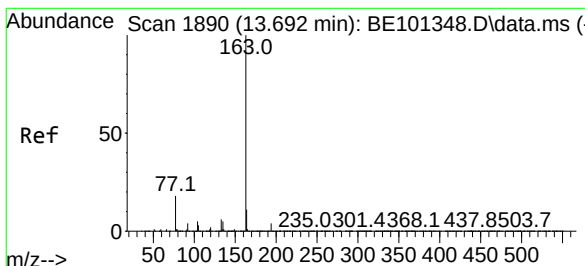
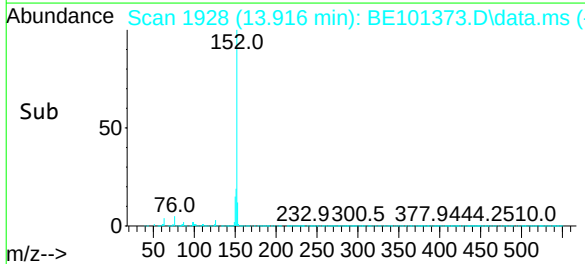
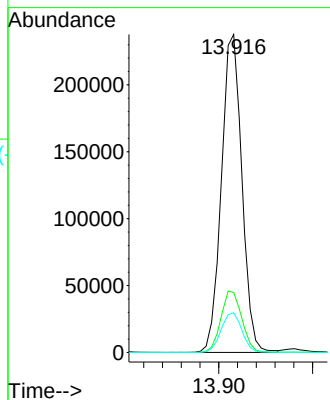
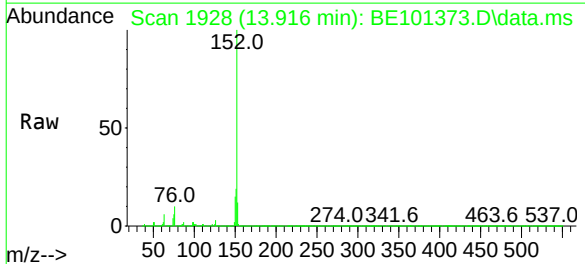
Tgt Ion:	152	Resp:	360446
Ion Ratio	Lower	Upper	
152	100		
151	18.9	16.4	24.6
153	12.5	11.1	16.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#50

Dimethylphthalate

Concen: 9.449 ng

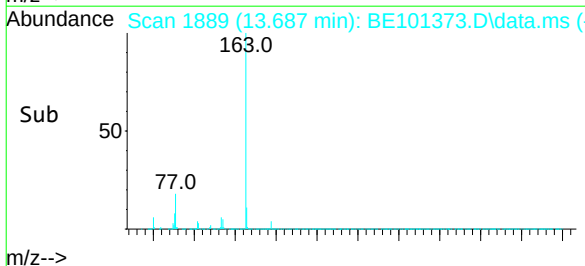
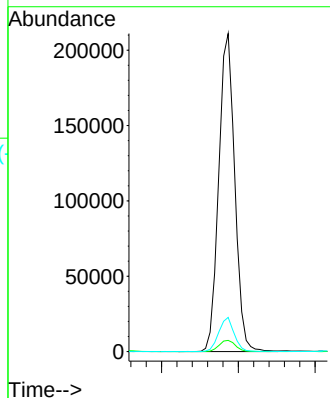
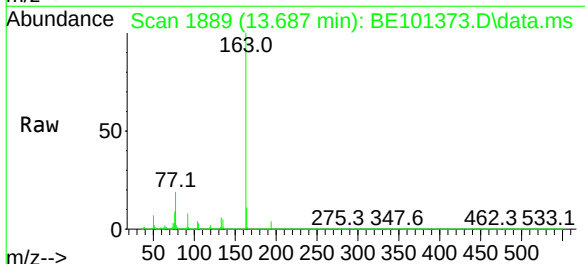
RT: 13.687 min Scan# 1889

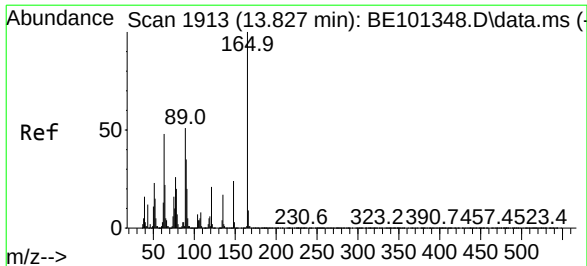
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	163	Resp:	305875
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.0	4.4
164	10.8	8.5	12.7





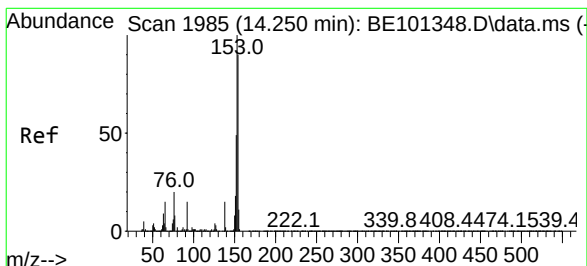
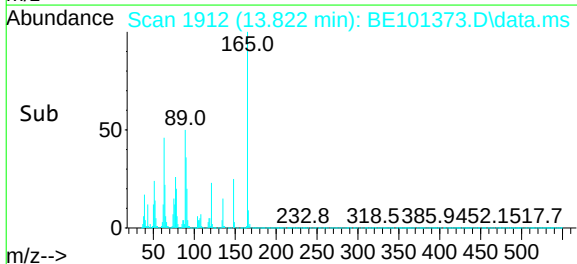
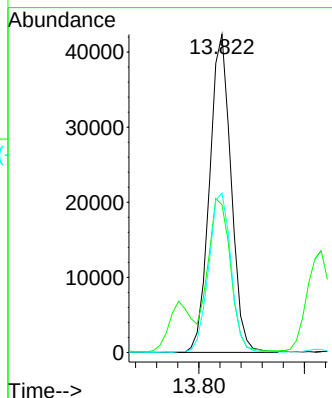
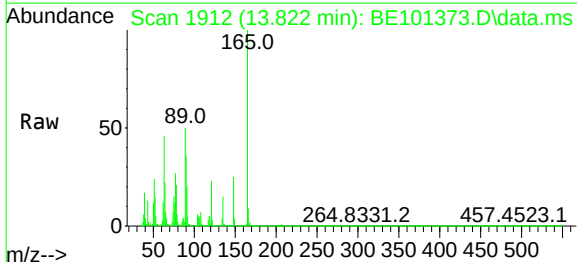
#51
2,6-Dinitrotoluene
Concen: 8.267 ng
RT: 13.822 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt	Ion:	165	Resp:	59894
Ion	Ratio	Lower	Upper	
165	100			
63	46.4	38.5	57.7	
89	50.1	40.5	60.7	

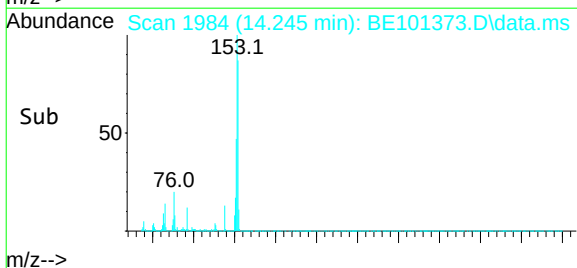
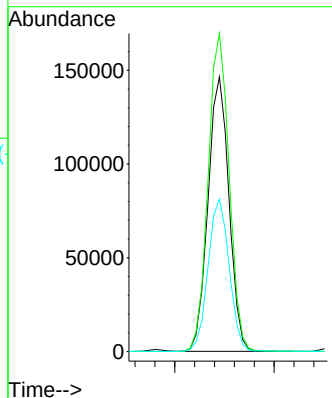
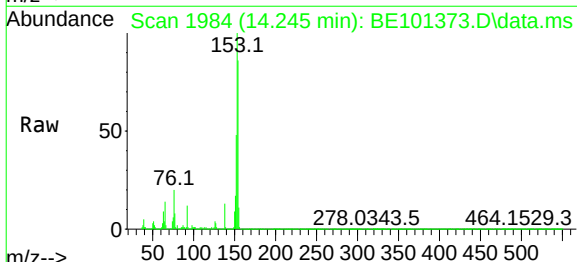
Manual Integrations
APPROVED

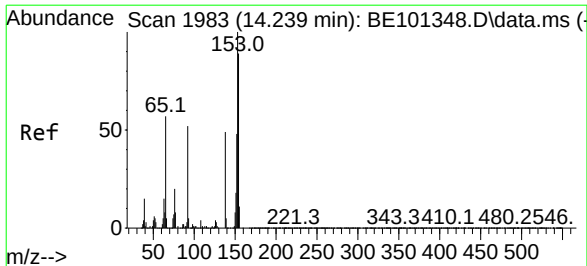
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#52
Acenaphthene
Concen: 9.125 ng
RT: 14.245 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt	Ion:	154	Resp:	214632
Ion	Ratio	Lower	Upper	
154	100			
153	115.8	88.8	133.2	
152	55.5	43.2	64.8	





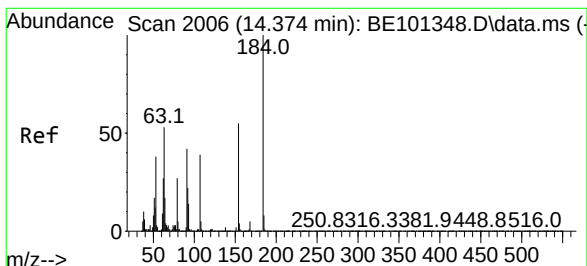
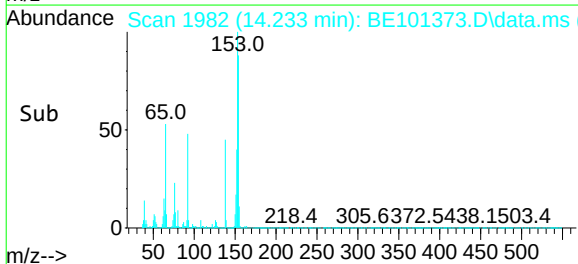
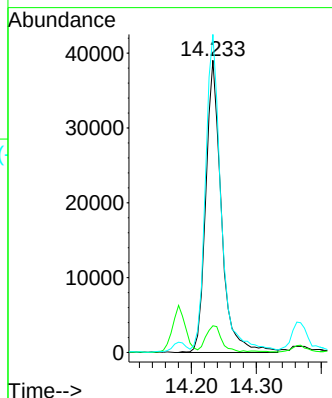
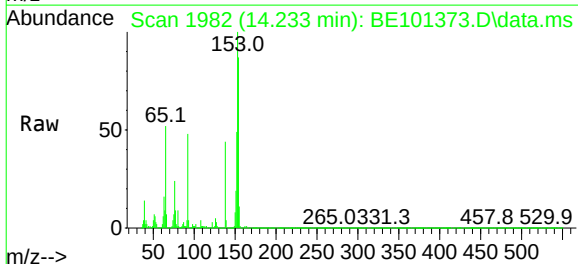
#53
3-Nitroaniline
Concen: 8.707 ng
RT: 14.233 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt	Ion	138	Resp:	64888
Ion	Ratio	Lower	Upper	
138	100			
108	9.1	7.2	10.8	
92	108.9	85.7	128.5	

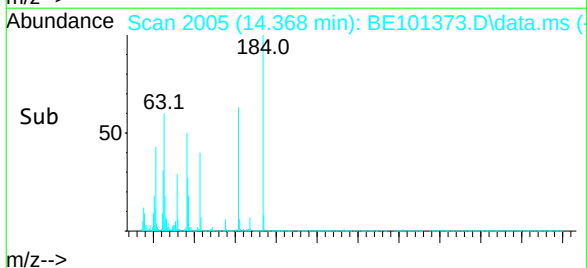
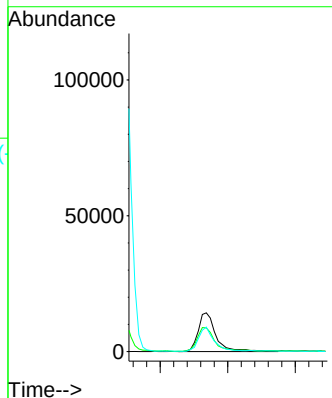
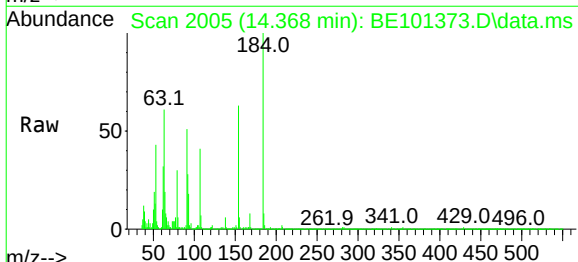
Manual Integrations
APPROVED

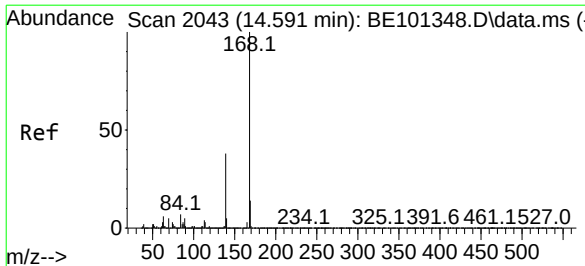
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#54
2,4-Dinitrophenol
Concen: 6.050 ng
RT: 14.368 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt	Ion	184	Resp:	26093
Ion	Ratio	Lower	Upper	
184	100			
63	61.1	42.5	63.7	
154	63.2	44.2	66.2	





#55

Dibenzenofuran

Concen: 9.776 ng

RT: 14.586 min Scan# 2042

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

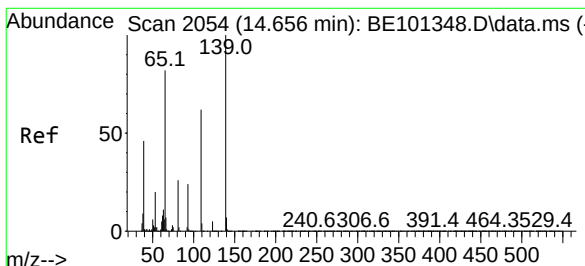
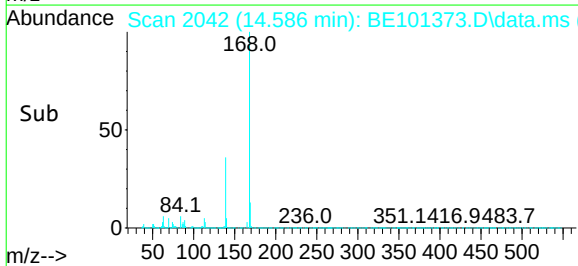
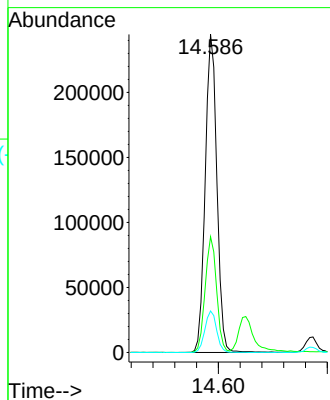
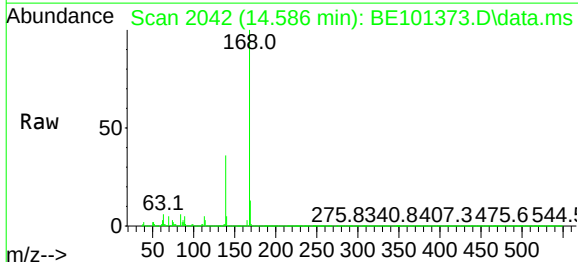
Tgt	Ion:	168	Resp:	363245
Ion	Ratio	Lower	Upper	
168	100			
139	36.4	30.5	45.7	
169	13.0	11.4	17.2	

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#56

4-Nitrophenol

Concen: 8.639 ng

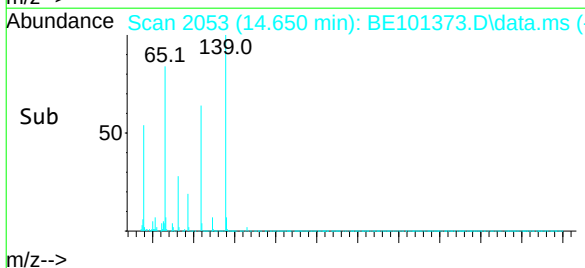
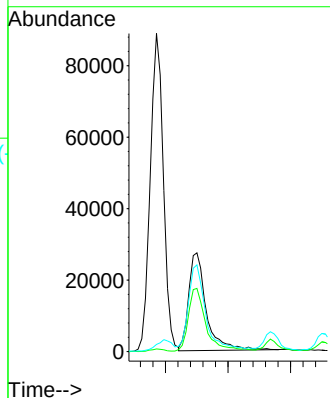
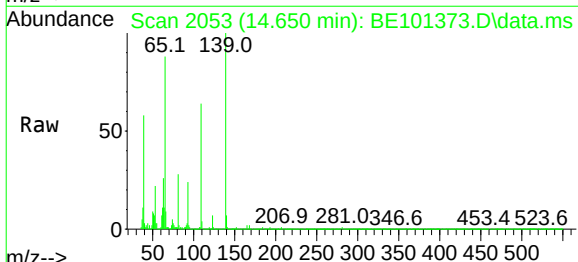
RT: 14.650 min Scan# 2053

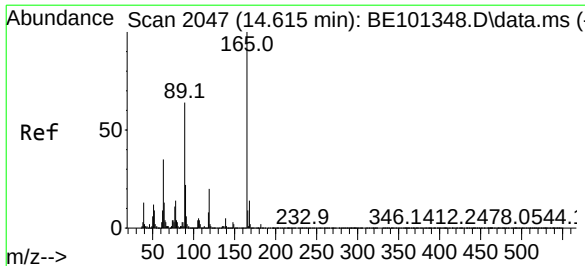
Delta R.T. -0.005 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt	Ion:	139	Resp:	53526
Ion	Ratio	Lower	Upper	
139	100			
109	64.0	41.9	81.9	
65	87.8	63.0	103.0	





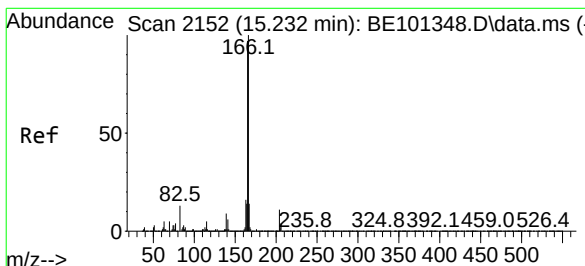
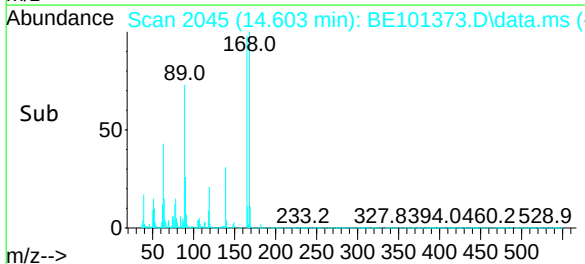
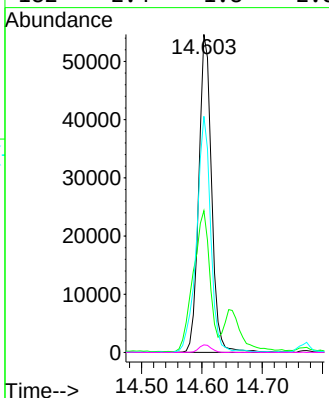
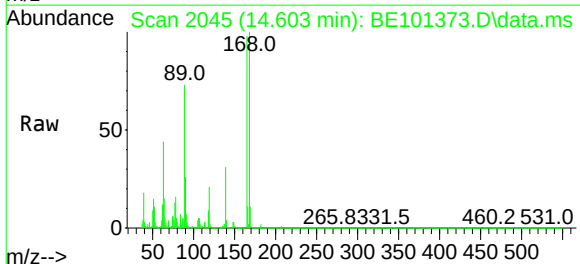
#57
2,4-Dinitrotoluene
Concen: 8.135 ng
RT: 14.603 min Scan# 2045
Delta R.T. -0.011 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:	165	Resp:	80236
Ion Ratio	Lower	Upper	
165	100		
63	44.6	28.4	42.6
89	74.3	51.0	76.4
182	2.4	1.8	2.8

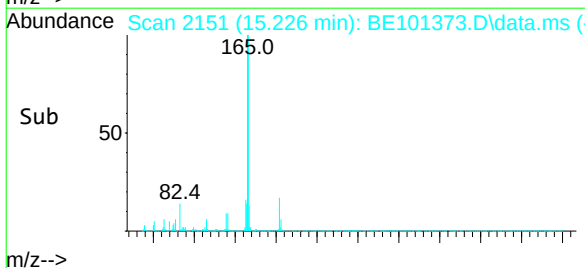
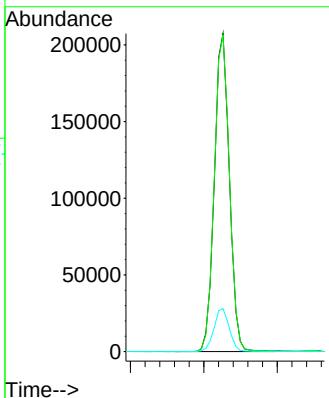
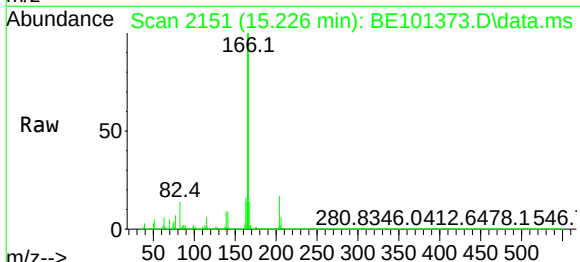
Manual Integrations
APPROVED

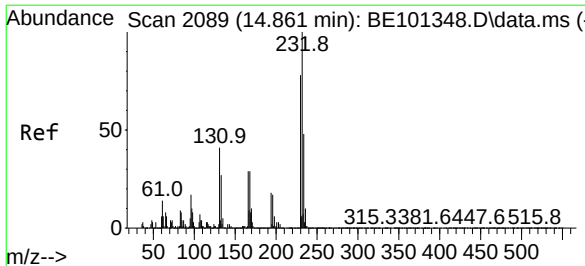
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#58
Fluorene
Concen: 9.391 ng
RT: 15.226 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:	166	Resp:	293996
Ion Ratio	Lower	Upper	
166	100		
165	99.5	77.8	116.8
167	13.5	11.0	16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.166 ng

RT: 14.856 min Scan# 2089

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:232 Resp: 74852

Ion Ratio Lower Upper

232 100

131 42.6 34.2 51.4

130 2.5 1.8 2.6

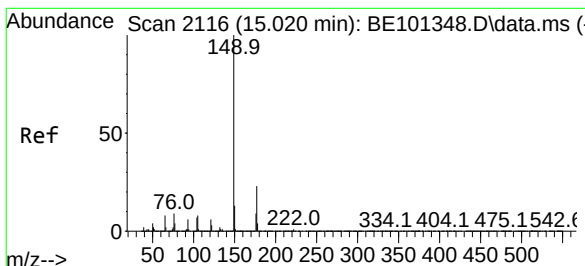
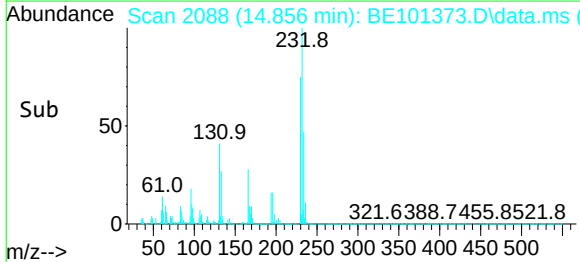
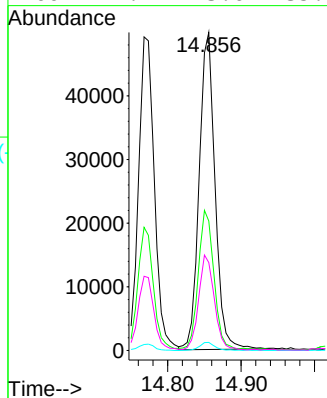
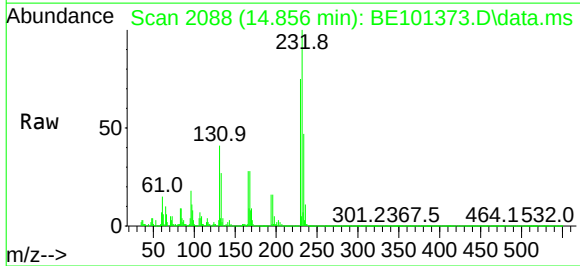
166 29.4 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#60

Diethylphthalate

Concen: 9.626 ng

RT: 15.009 min Scan# 2114

Delta R.T. -0.011 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

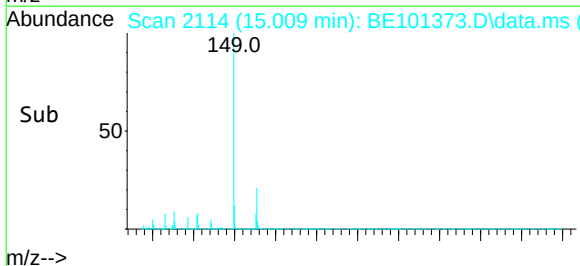
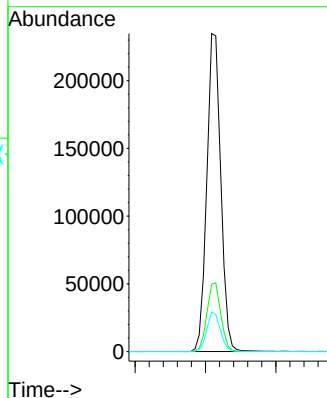
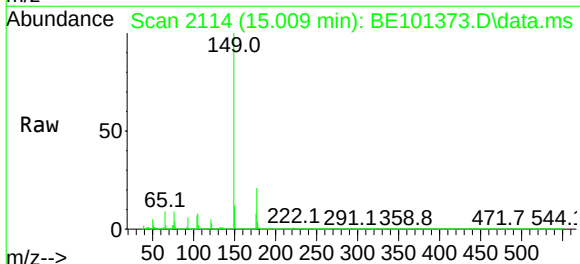
Tgt Ion:149 Resp: 323298

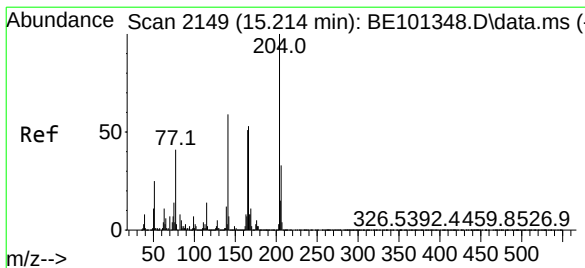
Ion Ratio Lower Upper

149 100

177 21.2 18.4 27.6

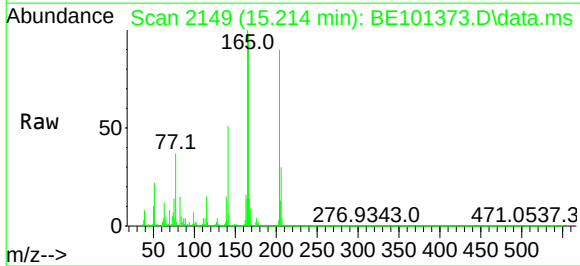
150 12.4 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 9.259 ng
RT: 15.214 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

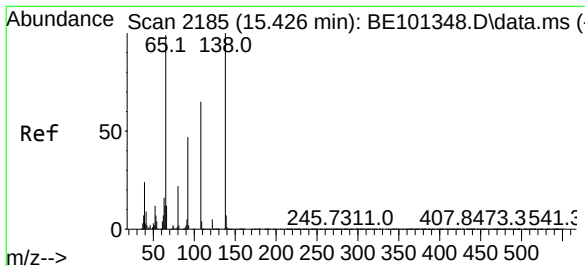
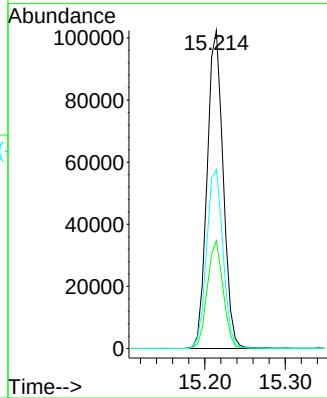
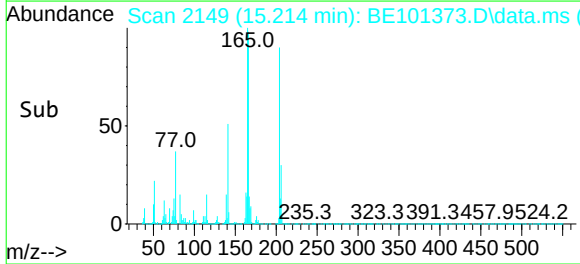
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:	204	Resp:	142181
Ion Ratio	Lower	Upper	
204	100		
206	33.9	26.2	39.2
141	56.3	47.2	70.8

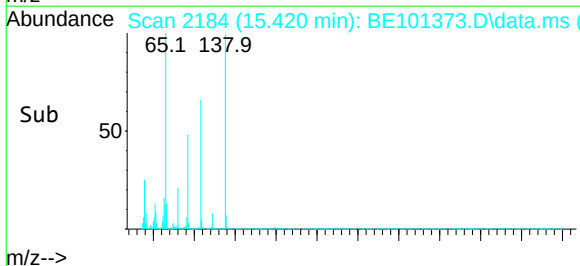
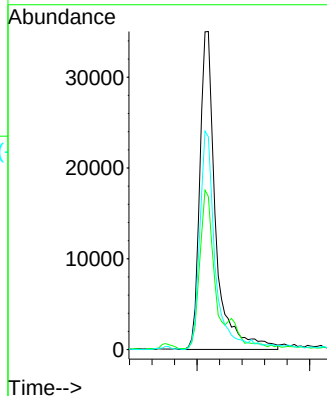
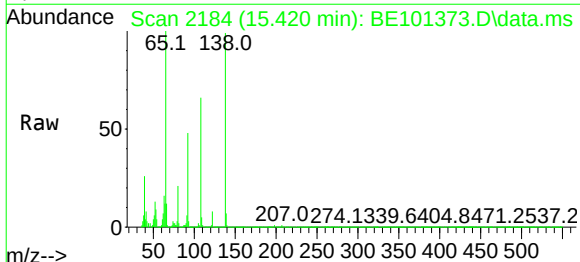
Manual Integrations
APPROVED

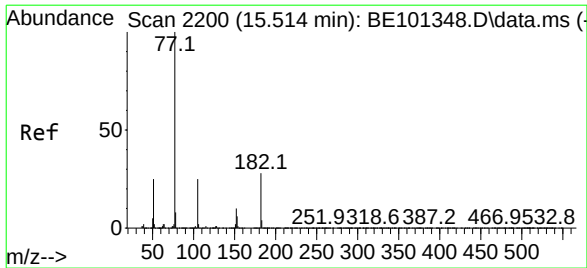
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#62
4-Nitroaniline
Concen: 8.858 ng
RT: 15.420 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:	138	Resp:	68795
Ion Ratio	Lower	Upper	
138	100		
92	48.1	26.8	66.8
108	66.9	44.7	84.7





#63

Azobenzene

Concen: 9.793 ng

RT: 15.508 min Scan# 211

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

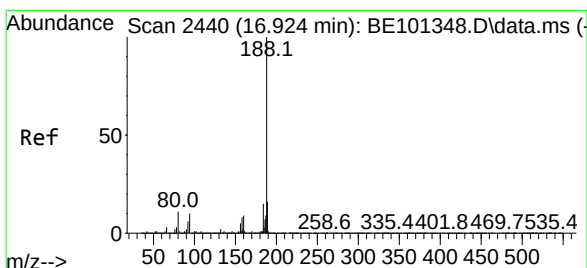
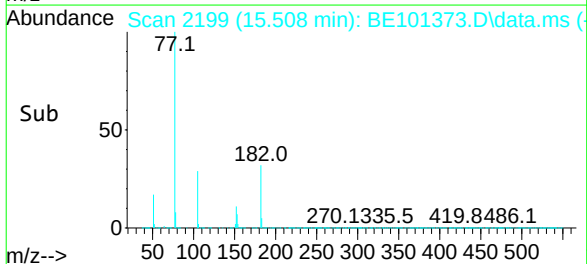
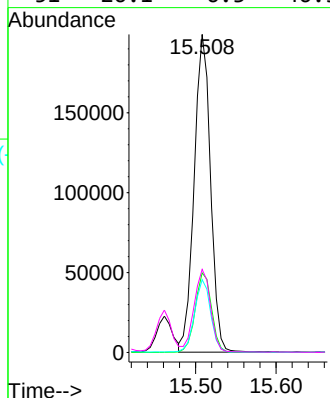
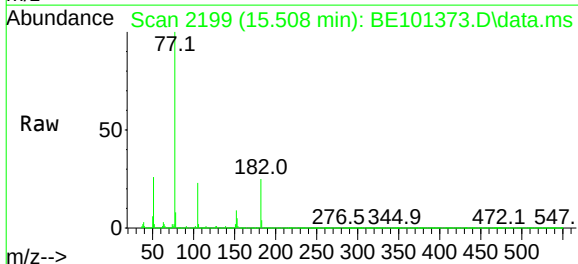
Tgt Ion: 77	Resp: 281059
Ion Ratio	Lower Upper
77 100	
182 25.0	7.8 47.8
105 22.9	4.3 44.3
51 26.1	6.3 46.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

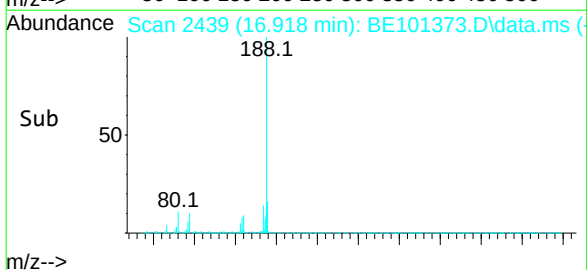
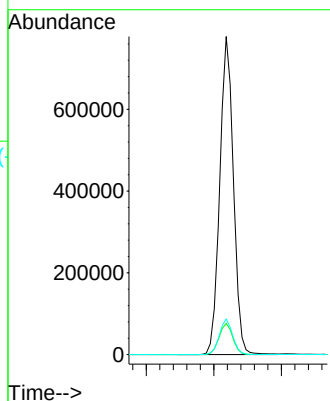
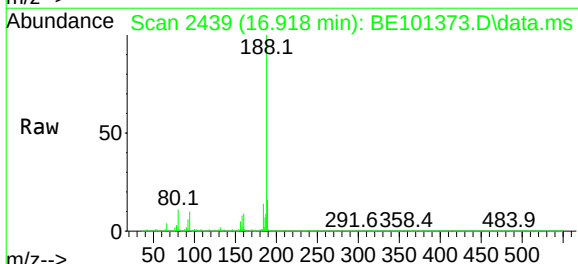
RT: 16.918 min Scan# 2439

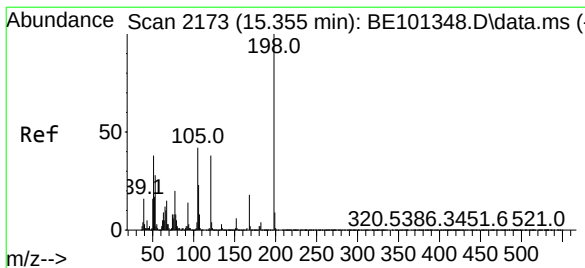
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:188	Resp: 1092847
Ion Ratio	Lower Upper
188 100	
94 9.8	8.2 12.2
80 11.2	8.6 13.0





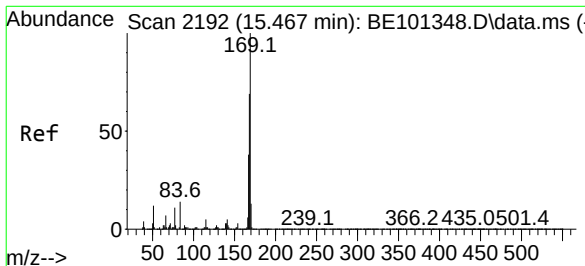
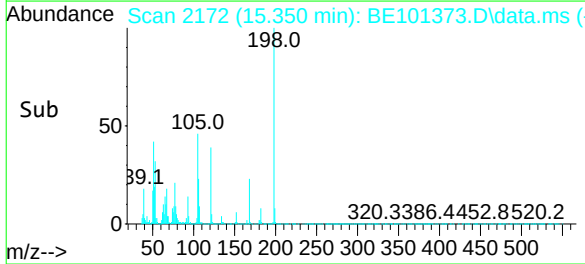
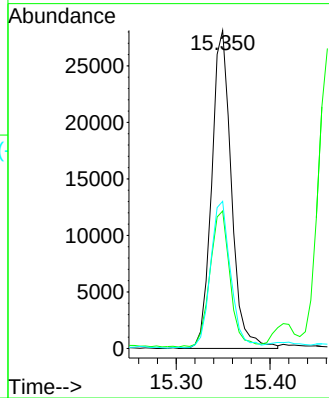
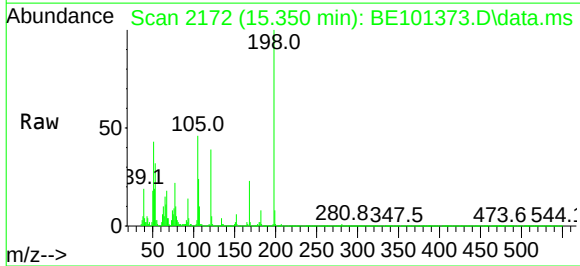
#65
4,6-Dinitro-2-methylphenol
Concen: 6.598 ng
RT: 15.350 min Scan# 2173
Delta R.T. -0.005 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:	198	Resp:	40947
Ion Ratio	Lower	Upper	
198	100		
51	43.2	18.1	58.1
105	46.3	22.0	62.0

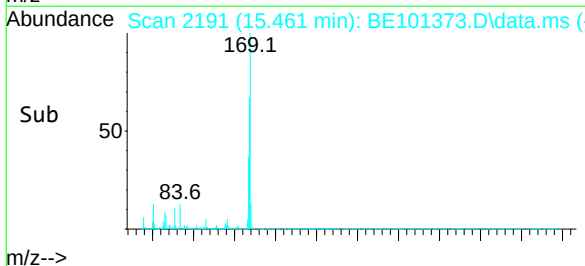
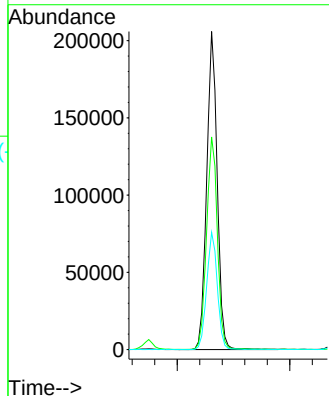
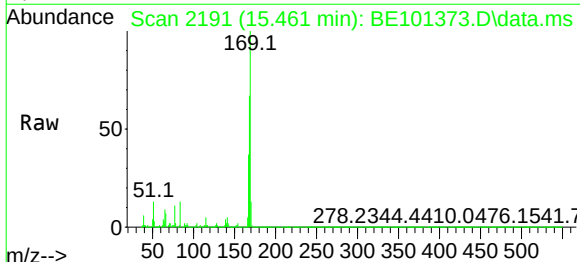
Manual Integrations
APPROVED

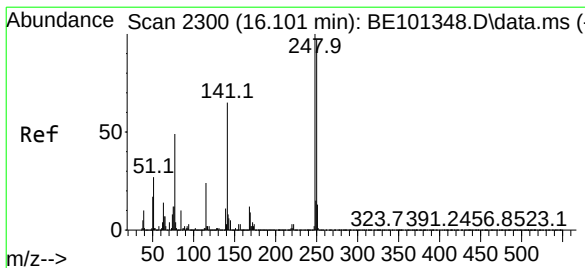
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#66
n-Nitrosodiphenylamine
Concen: 9.182 ng
RT: 15.461 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

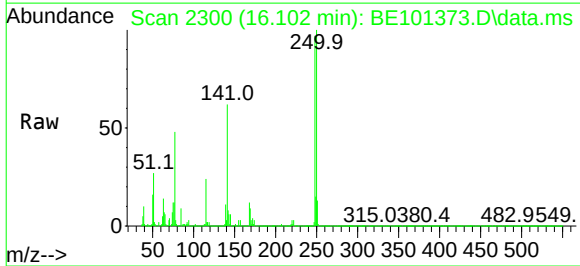
Tgt Ion:	169	Resp:	267472
Ion Ratio	Lower	Upper	
169	100		
168	66.9	55.1	82.7
167	36.9	30.5	45.7





#67
4-Bromophenyl-phenylether
Concen: 8.463 ng
RT: 16.102 min Scan# 2300
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

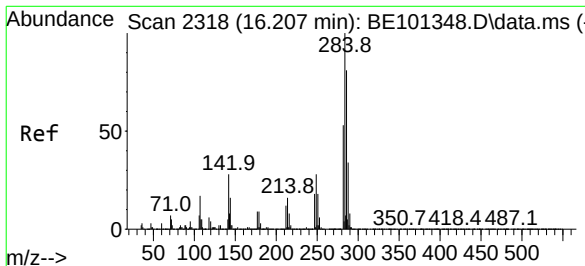
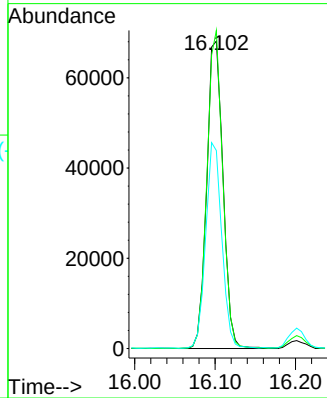
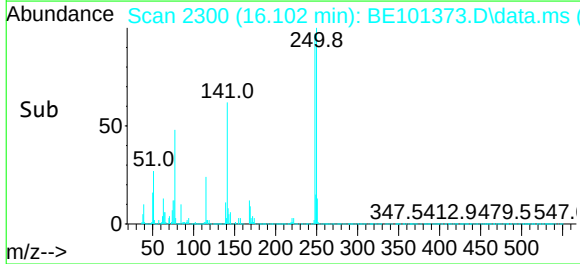
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 248 Resp: 96082
Ion Ratio Lower Upper
248 100
250 103.5 77.7 116.5
141 64.4 51.8 77.8

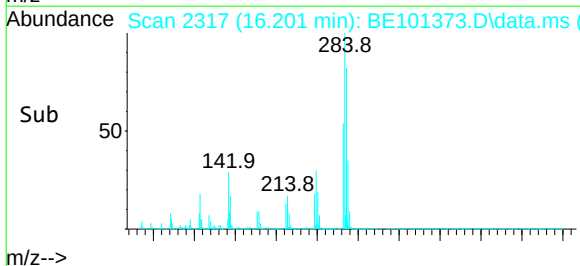
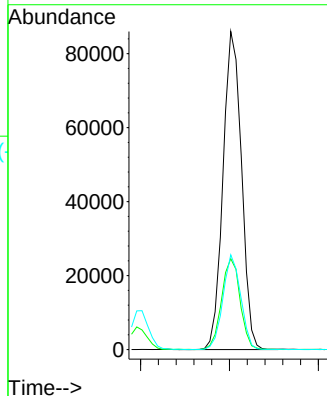
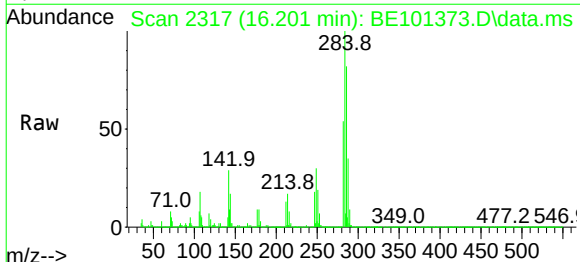
Manual Integrations
APPROVED

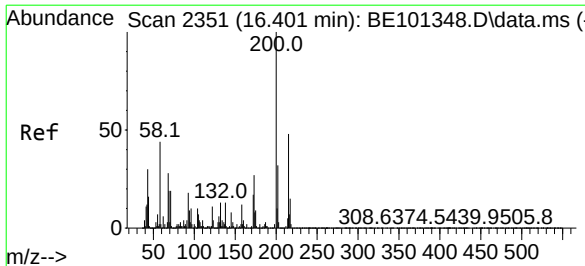
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#68
Hexachlorobenzene
Concen: 8.469 ng
RT: 16.201 min Scan# 2317
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion: 284 Resp: 124265
Ion Ratio Lower Upper
284 100
142 28.6 22.1 33.1
249 29.8 22.7 34.1





#69

Atrazine

Concen: 10.823 ng

RT: 16.395 min Scan# 2351

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

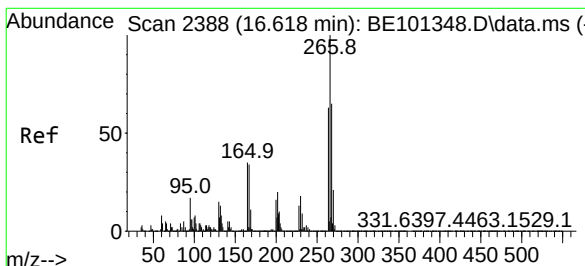
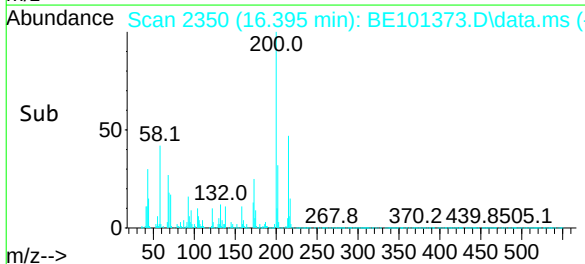
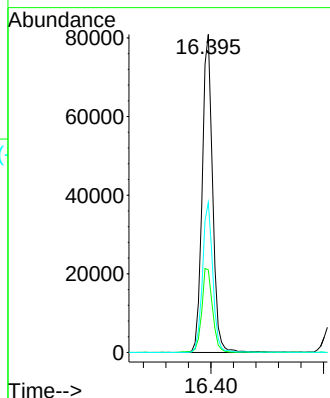
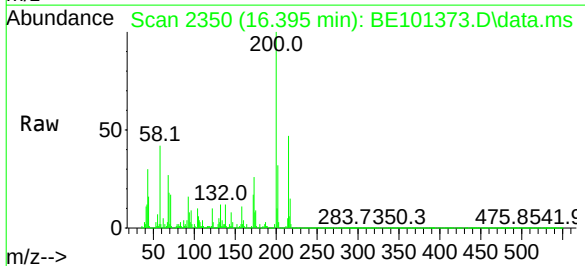
Tgt Ion:	200	Resp:	104110
Ion Ratio	Lower	Upper	
200	100		
173	26.0	6.9	46.9
215	47.1	27.8	67.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#70

Pentachlorophenol

Concen: 7.463 ng

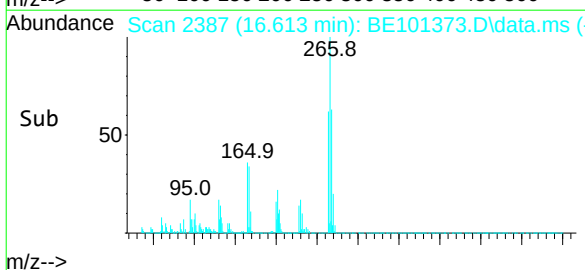
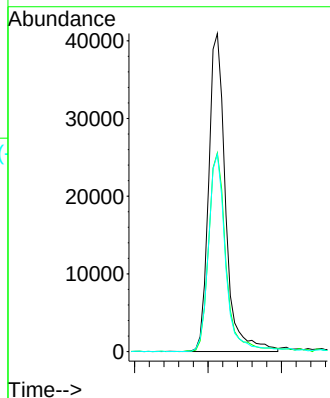
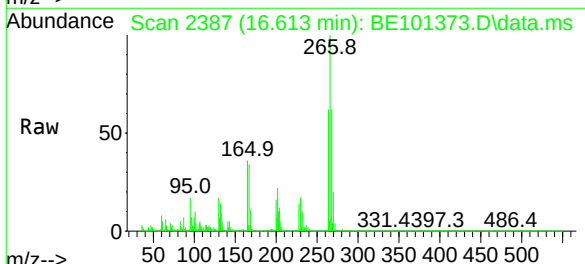
RT: 16.613 min Scan# 2387

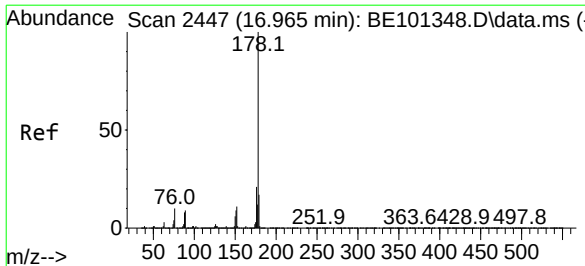
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	266	Resp:	65426
Ion Ratio	Lower	Upper	
266	100		
268	62.5	52.2	78.4
264	62.1	50.5	75.7





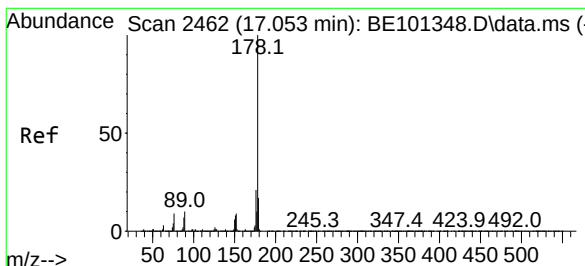
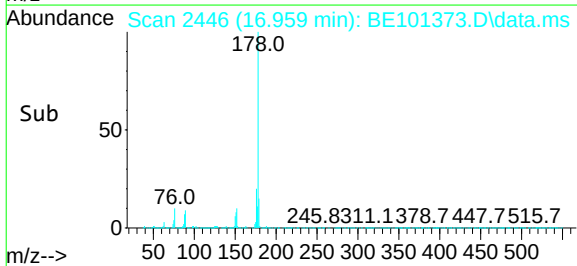
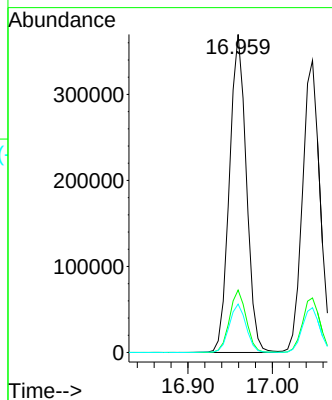
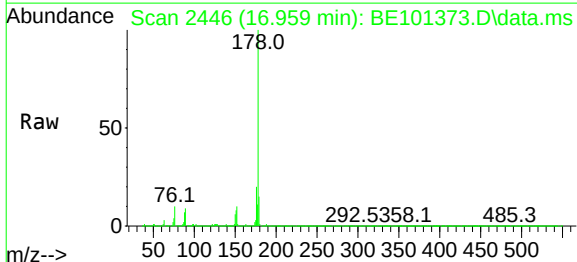
#71
Phenanthrene
Concen: 9.922 ng
RT: 16.959 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:178 Resp: 514987
Ion Ratio Lower Upper
178 100
176 19.6 16.8 25.2
179 15.2 13.3 19.9

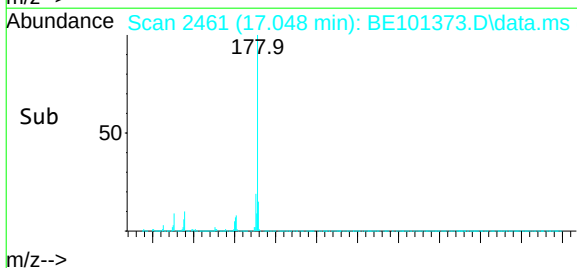
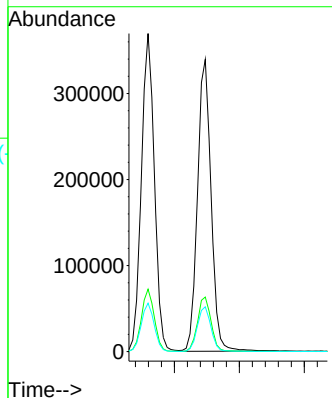
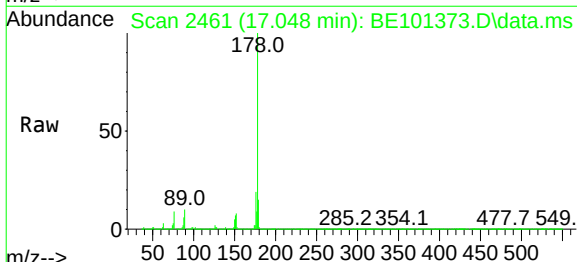
Manual Integrations
APPROVED

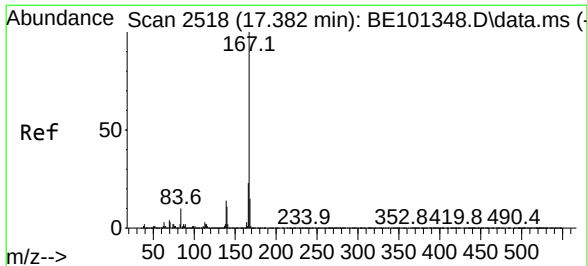
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#72
Anthracene
Concen: 9.763 ng
RT: 17.048 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:178 Resp: 493125
Ion Ratio Lower Upper
178 100
176 18.7 16.4 24.6
179 15.3 13.4 20.0





#73

Carbazole

Concen: 9.901 ng

RT: 17.377 min Scan# 2517

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

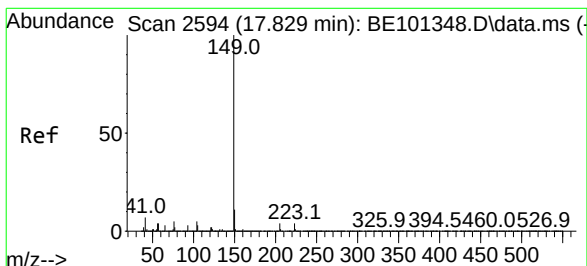
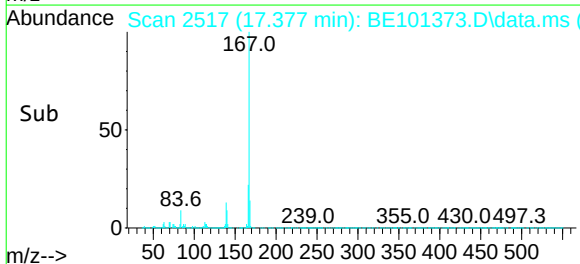
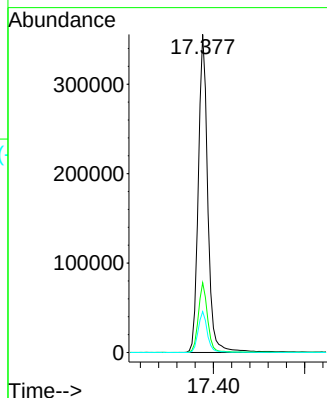
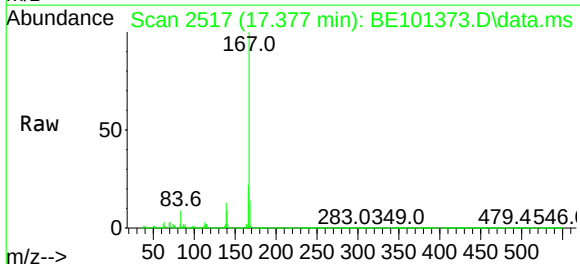
Tgt	Ion:	167	Resp:	512457
Ion	Ratio	Lower	Upper	
167	100			
166	21.9	18.4	27.6	
139	12.9	11.1	16.7	

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#74

Di-n-butylphthalate

Concen: 10.275 ng

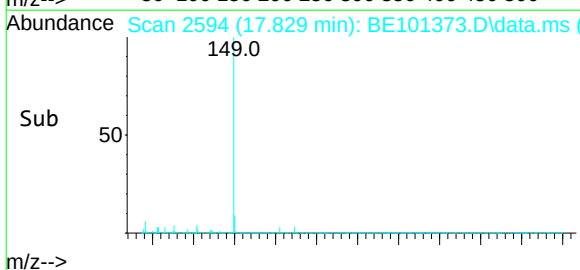
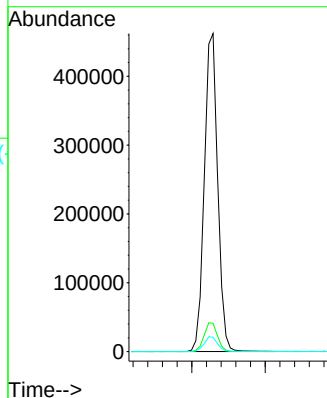
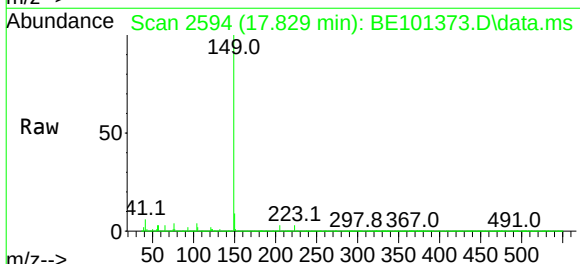
RT: 17.829 min Scan# 2594

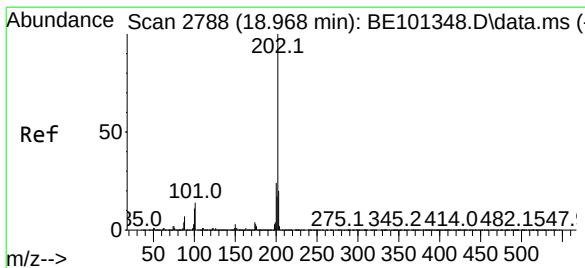
Delta R.T. 0.000 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt	Ion:	149	Resp:	583941
Ion	Ratio	Lower	Upper	
149	100			
150	8.9	9.0	13.6	
104	4.5	4.4	6.6	





#75

Fluoranthene

Concen: 10.473 ng

RT: 18.963 min Scan# 27

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

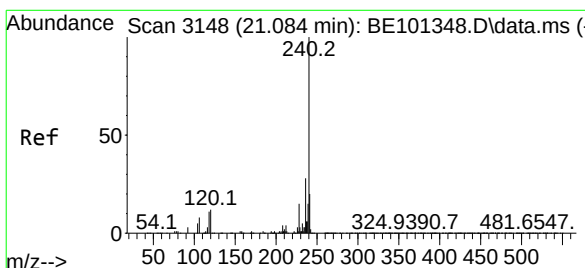
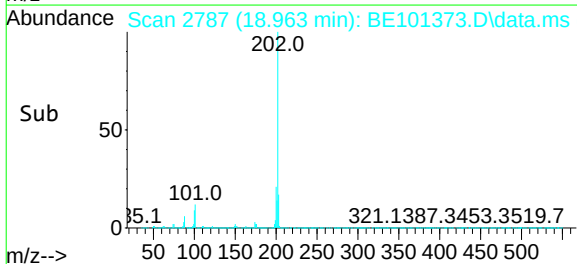
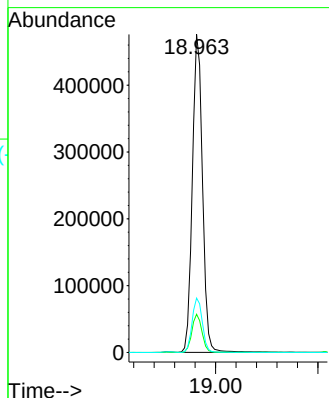
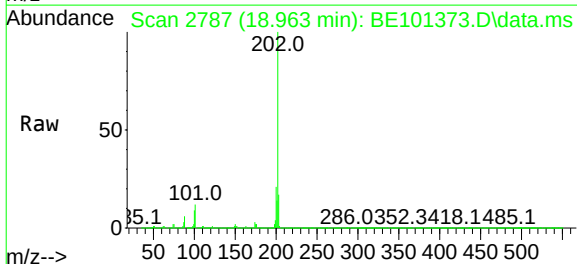
Tgt Ion:	202	Resp:	654384
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.2
203	17.1	0.4	40.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

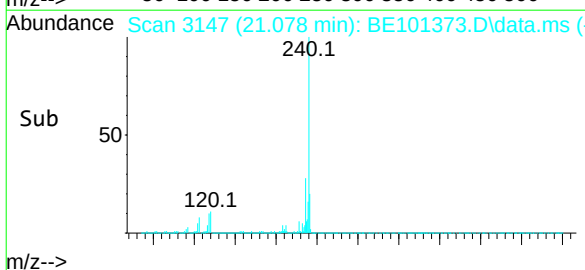
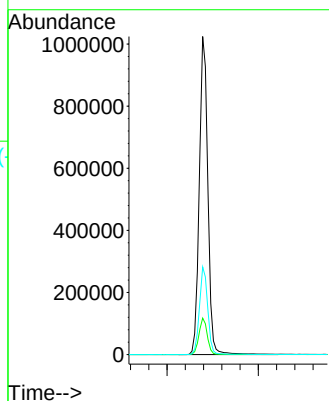
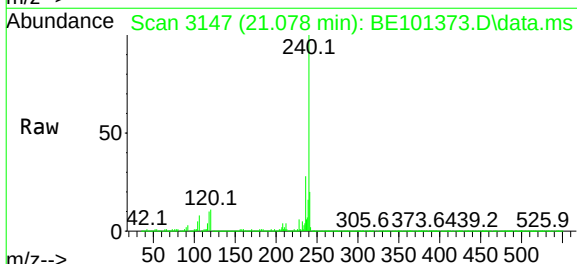
RT: 21.078 min Scan# 3147

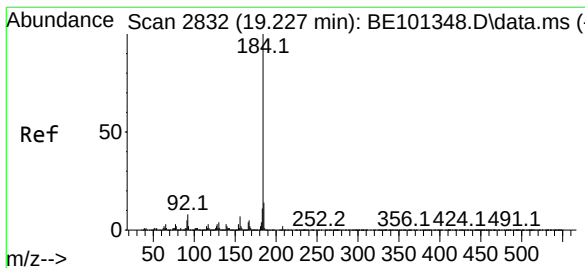
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	240	Resp:	1332514
Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.8	14.8
236	27.6	22.1	33.1





#77

Benzidine

Concen: 9.993 ng

RT: 19.221 min Scan# 28

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

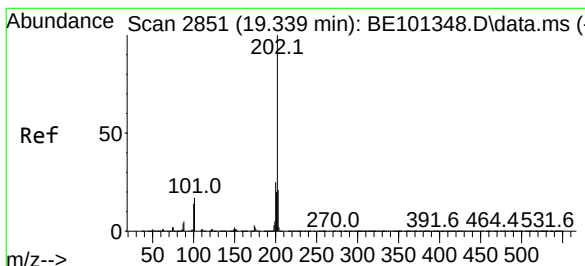
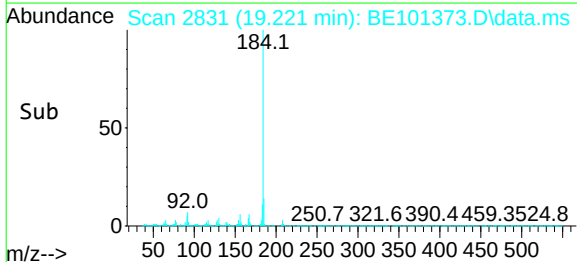
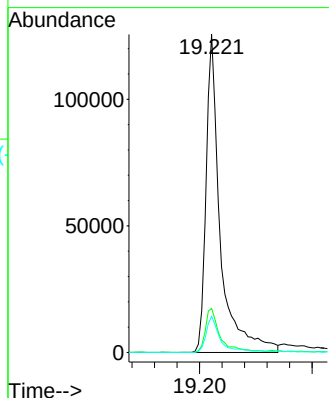
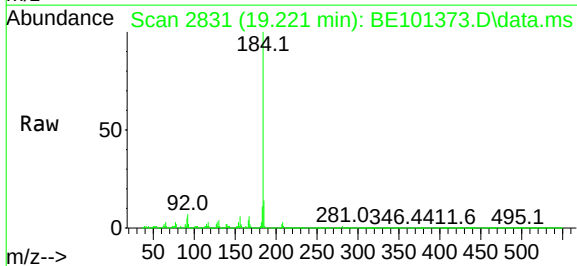
Tgt Ion:	184	Resp:	220992
Ion Ratio	Lower	Upper	
184	100		
185	13.8	11.4	17.2
183	11.3	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#78

Pyrene

Concen: 9.554 ng

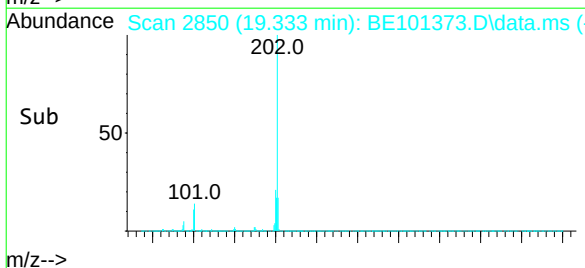
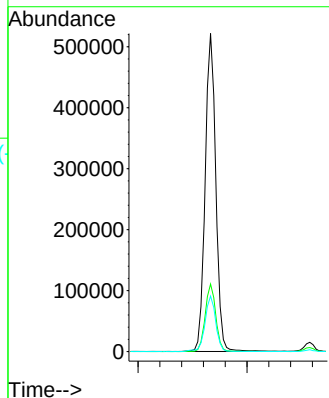
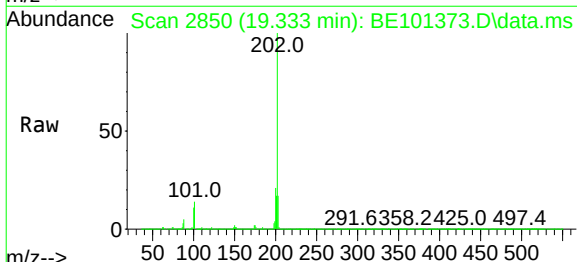
RT: 19.333 min Scan# 2850

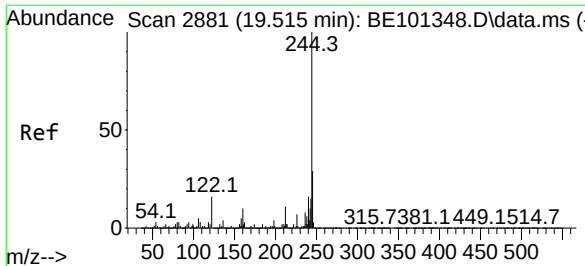
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	202	Resp:	708042
Ion Ratio	Lower	Upper	
202	100		
200	21.2	20.2	30.2
203	17.5	16.6	25.0





#79

Terphenyl-d14

Concen: 75.879 ng

RT: 19.515 min Scan# 2881

Delta R.T. 0.000 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 244 Resp: 4559969

Ion Ratio Lower Upper

244 100

212 10.1 8.5 12.7

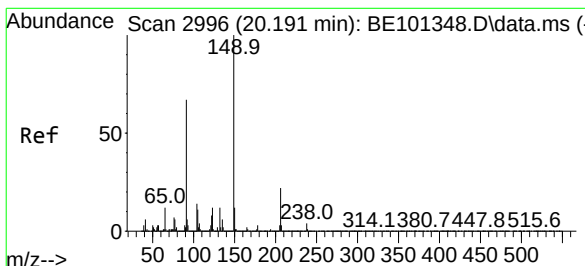
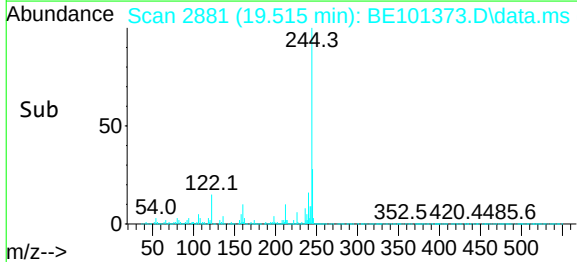
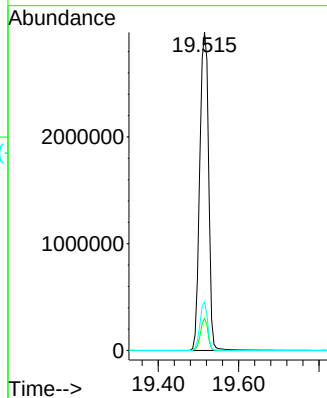
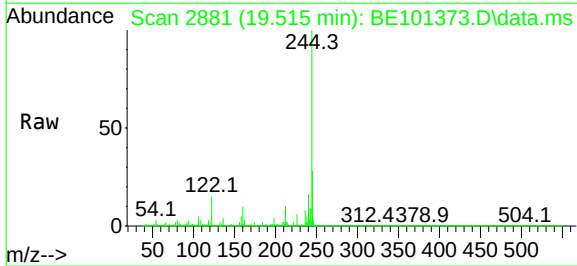
122 15.3 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#80

Butylbenzylphthalate

Concen: 9.267 ng

RT: 20.185 min Scan# 2995

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

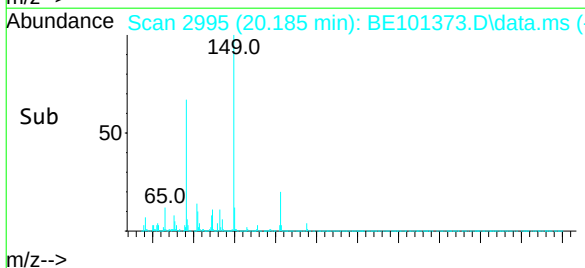
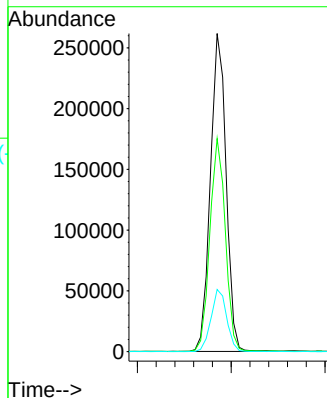
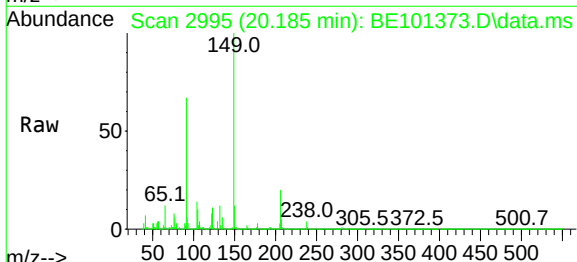
Tgt Ion: 149 Resp: 304013

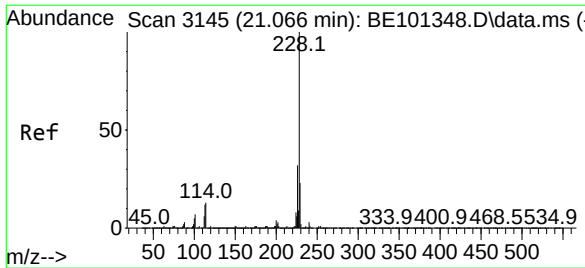
Ion Ratio Lower Upper

149 100

91 67.0 53.4 80.2

206 19.5 17.4 26.0





#81

Benzo(a)anthracene

Concen: 10.365 ng

RT: 21.060 min Scan# 31

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

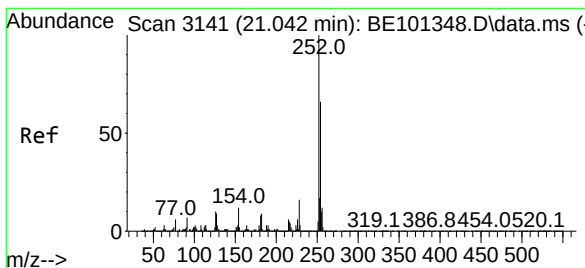
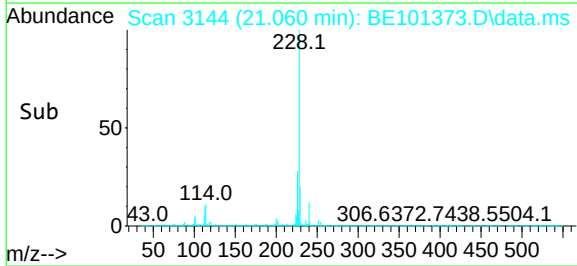
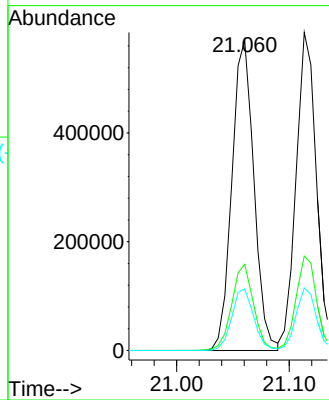
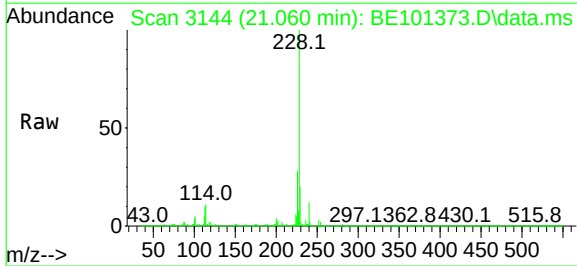
Tgt Ion:	228	Resp:	775647
Ion Ratio	Lower	Upper	
228	100		
226	27.8	25.7	38.5
229	19.9	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#82

3,3'-Dichlorobenzidine

Concen: 9.439 ng

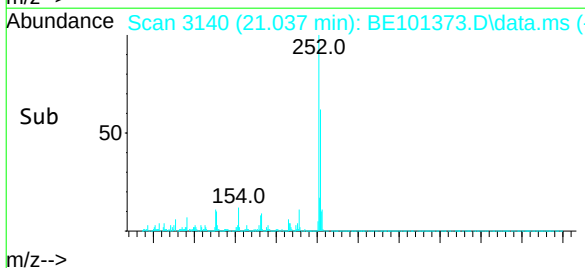
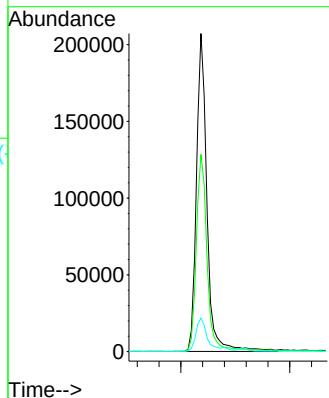
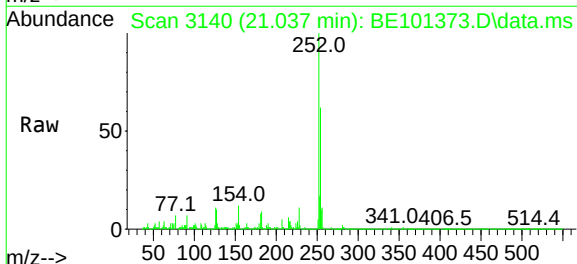
RT: 21.037 min Scan# 3140

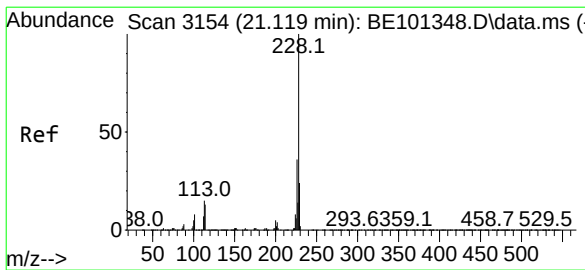
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	252	Resp:	276757
Ion Ratio	Lower	Upper	
252	100		
254	62.0	52.5	78.7
126	10.5	8.0	12.0





#83

Chrysene

Concen: 10.349 ng

RT: 21.113 min Scan# 31

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:228 Resp: 743940

Ion Ratio Lower Upper

228 100

226 29.7 28.4 42.6

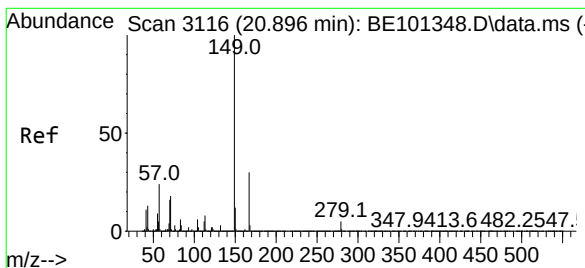
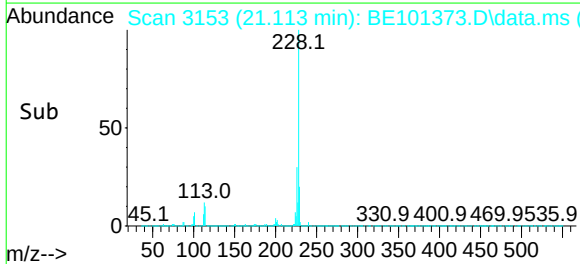
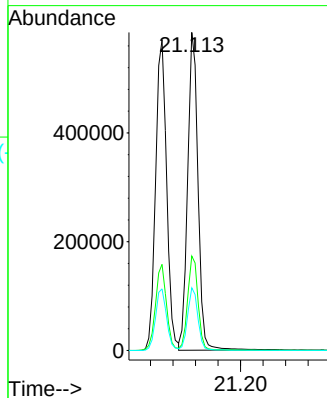
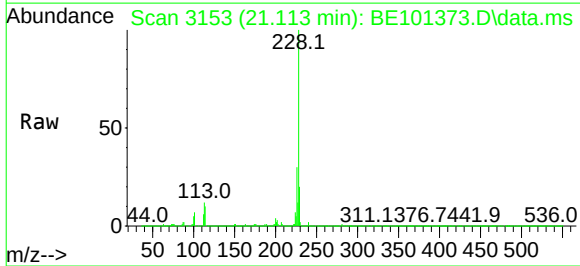
229 19.7 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.245 ng

RT: 20.890 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

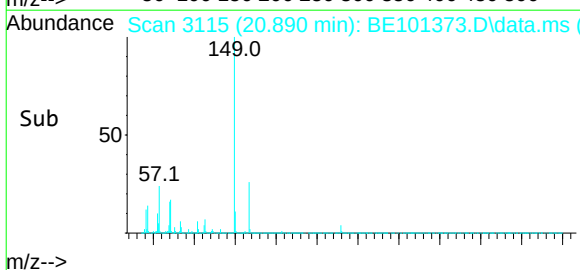
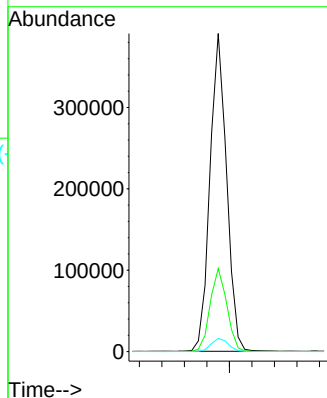
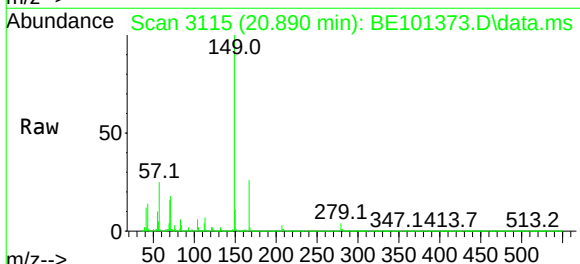
Tgt Ion:149 Resp: 401105

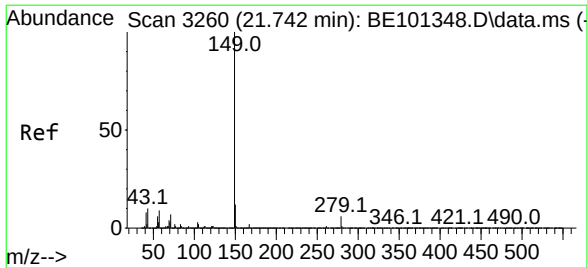
Ion Ratio Lower Upper

149 100

167 26.1 23.9 35.9

279 4.1 4.2 6.4#





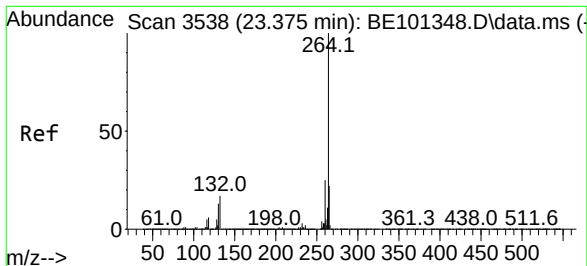
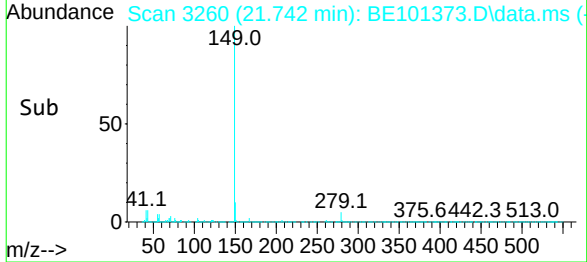
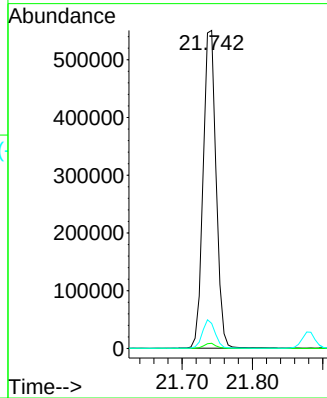
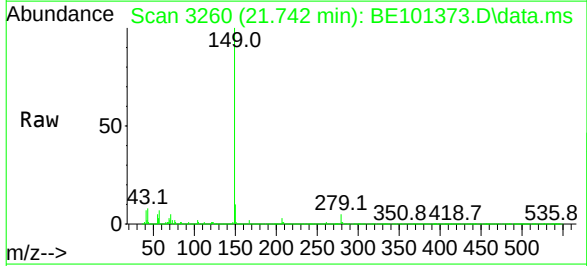
#85
Di-n-octyl phthalate
Concen: 9.895 ng
RT: 21.742 min Scan# 3260
Delta R.T. 0.000 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

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

Tgt Ion:	149	Resp:	700769
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.2
43	8.8	7.4	11.0

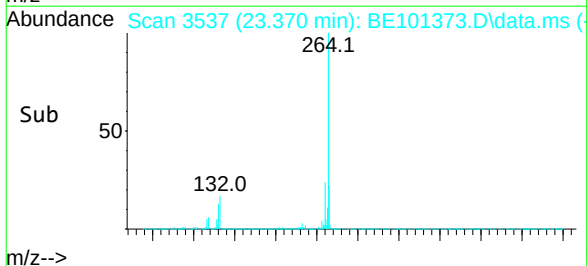
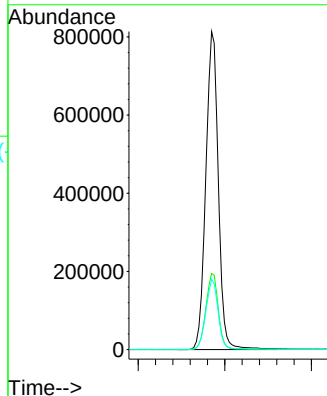
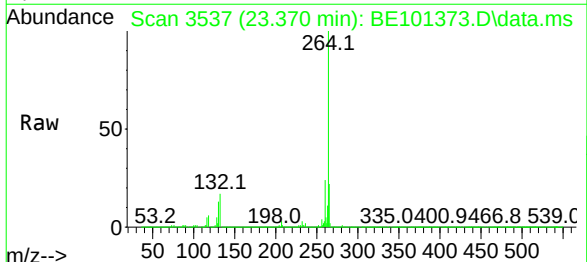
Manual Integrations
APPROVED

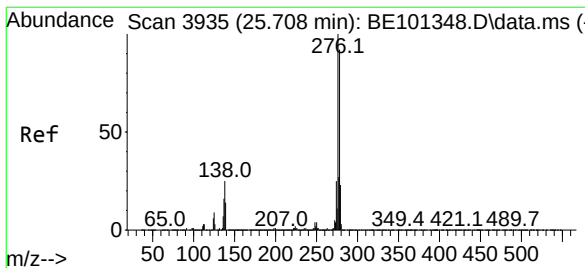
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.370 min Scan# 3537
Delta R.T. -0.006 min
Lab File: BE101373.D
Acq: 19 Sep 2024 11:04

Tgt Ion:	264	Resp:	1633041
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.6
265	22.1	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.875 ng

RT: 25.684 min Scan# 39

Delta R.T. -0.023 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

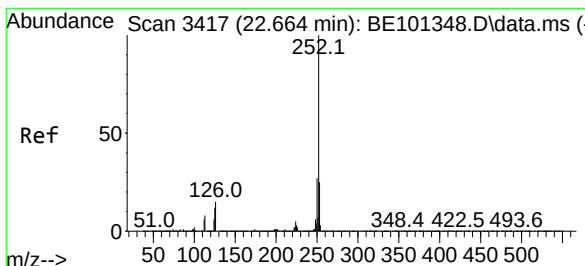
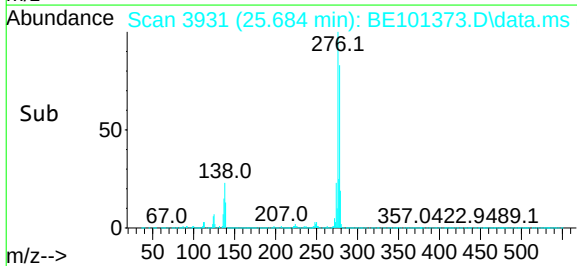
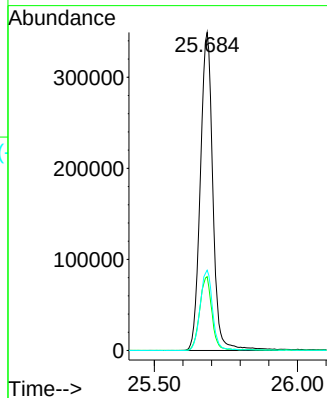
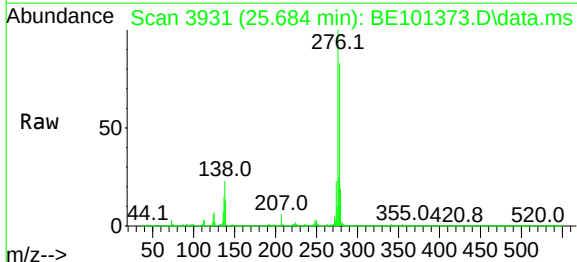
Tgt Ion:	276	Resp:	1062429
Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.2	28.8
277	25.0	20.8	31.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#88

Benzo(b)fluoranthene

Concen: 9.435 ng

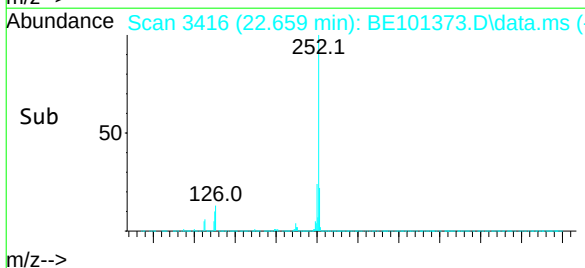
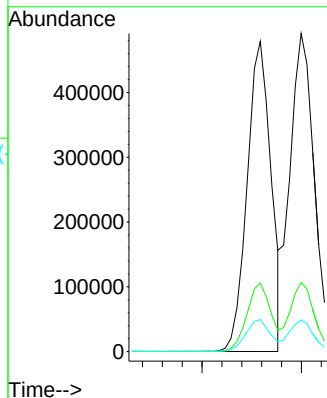
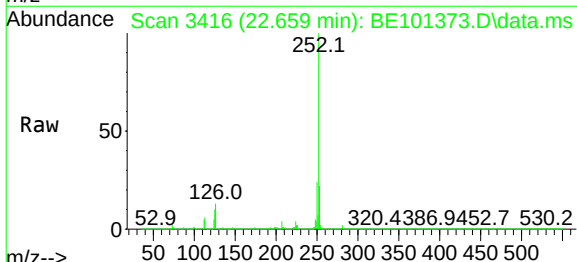
RT: 22.659 min Scan# 3416

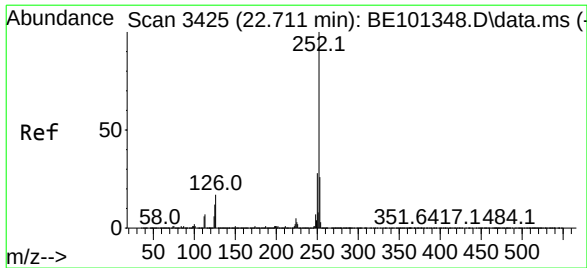
Delta R.T. -0.006 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	252	Resp:	798004
Ion	Ratio	Lower	Upper
252	100		
253	22.1	20.2	30.2
125	10.3	9.4	14.0





#89

Benzo(k)fluoranthene

Concen: 10.652 ng

RT: 22.700 min Scan# 341

Delta R.T. -0.011 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

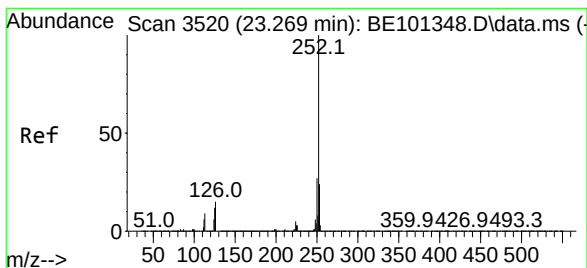
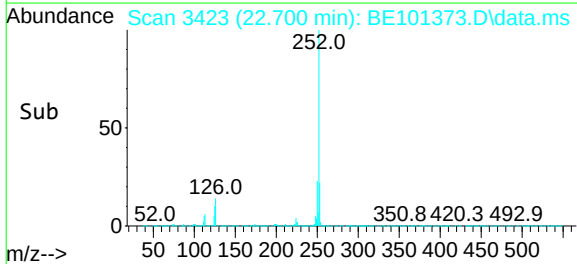
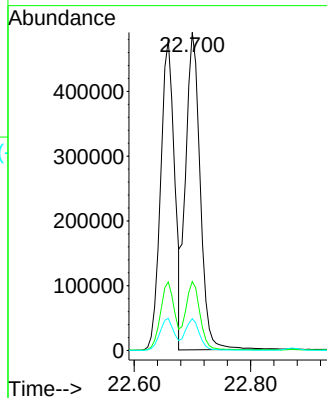
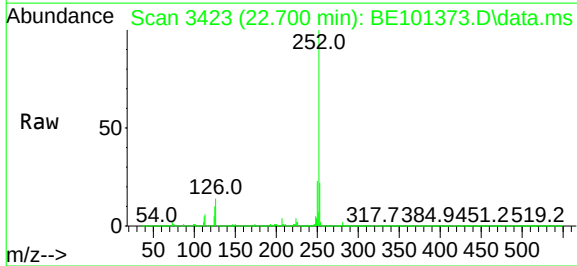
Tgt	Ion:252	Resp:	850334
Ion	Ratio	Lower	Upper
252	100		
253	21.7	20.2	30.4
125	10.0	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#90

Benzo(a)pyrene

Concen: 10.053 ng

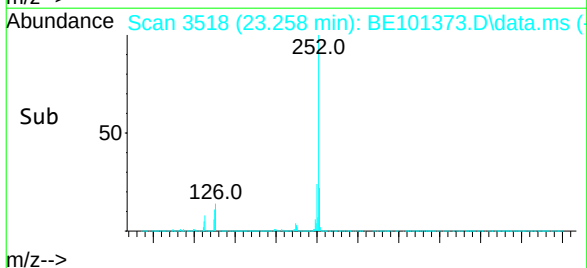
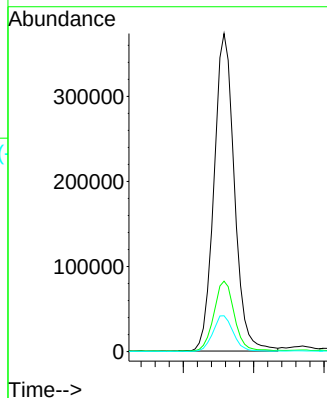
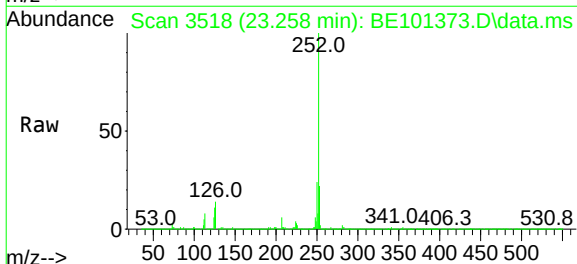
RT: 23.258 min Scan# 3518

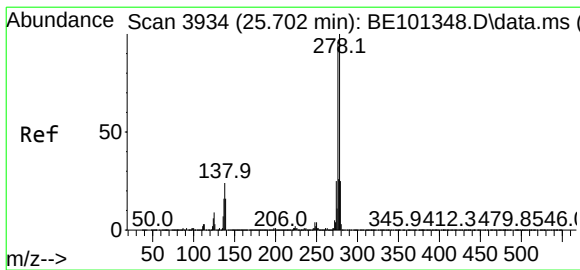
Delta R.T. -0.011 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt	Ion:252	Resp:	750397
Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.0	28.6
125	11.3	9.6	14.4





#91

Dibenzo(a,h)anthracene

Concen: 9.740 ng

RT: 25.679 min Scan# 39

Delta R.T. -0.023 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT2-2024

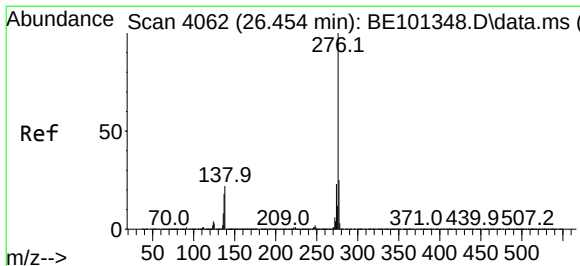
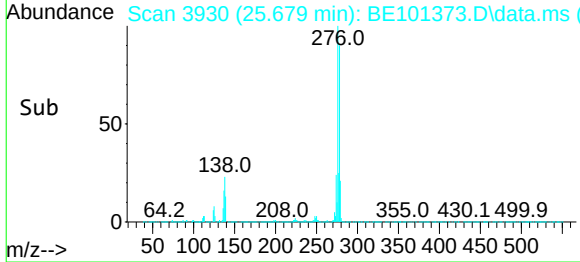
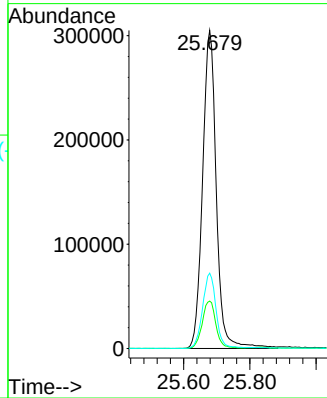
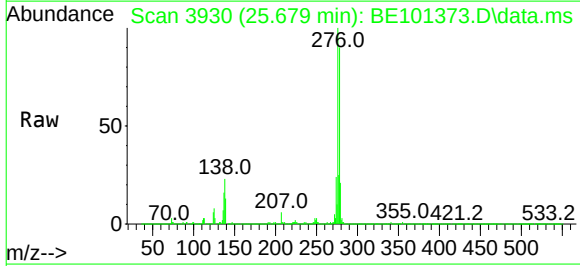
Tgt Ion:	278	Resp:	877303
Ion Ratio	Lower	Upper	
278	100		
139	14.9	12.4	18.6
279	23.7	19.8	29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#92

Benzo(g,h,i)perylene

Concen: 8.966 ng

RT: 26.431 min Scan# 4058

Delta R.T. -0.023 min

Lab File: BE101373.D

Acq: 19 Sep 2024 11:04

Tgt Ion:	276	Resp:	820041
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.8	29.8
138	20.6	17.4	26.0

