

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101357.D
 Acq On : 18 Sep 2024 11:09
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 18 13:15:59 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	189270	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	937630	20.000	ng	0.00
39) Acenaphthene-d10	14.185	164	691430	20.000	ng	0.00
64) Phenanthrene-d10	16.923	188	1655965	20.000	ng	0.00
76) Chrysene-d12	21.083	240	1916083	20.000	ng	0.00
86) Perylene-d12	23.380	264	2307618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	1064466	98.334	ng	0.00
7) Phenol-d6	6.953	99	1447259	94.310	ng	0.00
23) Nitrobenzene-d5	8.786	82	1143456	77.315	ng	0.00
42) 2,4,6-Tribromophenol	15.695	330	1226324	105.449	ng	0.00
45) 2-Fluorobiphenyl	12.810	172	3104161	77.581	ng	0.00
79) Terphenyl-d14	19.520	244	5173834	59.873	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.228	88	20810	5.049	ng	98
3) Pyridine	3.809	79	45201m	3.807	ng	
4) n-Nitrosodimethylamine	3.633	42	22745m	5.332	ng	
6) Aniline	7.023	93	83875	6.515	ng	100
8) 2-Chlorophenol	7.217	128	68781	5.288	ng	95
9) Benzaldehyde	6.794	77	51006	7.232	ng	95
10) Phenol	6.976	94	75945	4.502	ng	90
11) bis(2-Chloroethyl)ether	7.047	93	73193m	5.127	ng	
12) 1,3-Dichlorobenzene	7.458	146	74170	5.305	ng	99
13) 1,4-Dichlorobenzene	7.605	146	76070	5.341	ng	98
14) 1,2-Dichlorobenzene	7.940	146	73229	5.188	ng	98
15) Benzyl Alcohol	7.922	79	52059	5.697	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.075	45	101761	5.656	ng	99
17) 2-Methylphenol	8.163	107	51170	4.578	ng	96
18) Hexachloroethane	8.633	117	23796	5.108	ng	98
19) n-Nitroso-di-n-propyla...	8.380	70	56043	5.174	ng	95
20) 3+4-Methylphenols	8.498	107	68494	4.355	ng	96
22) Acetophenone	8.433	105	114740	5.277	ng	# 99
24) Nitrobenzene	8.827	77	83582	5.293	ng	98
25) Isophorone	9.279	82	158833	5.246	ng	98
26) 2-Nitrophenol	9.520	139	34182	4.587	ng	99
27) 2,4-Dimethylphenol	9.632	122	43780m	4.576	ng	
28) bis(2-Chloroethoxy)met...	9.790	93	94946	5.184	ng	99
29) 2,4-Dichlorophenol	10.067	162	64880	4.952	ng	97
30) 1,2,4-Trichlorobenzene	10.190	180	74709	5.277	ng	98
31) Naphthalene	10.390	128	249669	5.277	ng	100
32) Benzoic acid	9.820	122	13497	8.465	ng	91
33) 4-Chloroaniline	10.625	127	91481	5.054	ng	98
34) Hexachlorobutadiene	10.642	225	41744	5.075	ng	96
35) Caprolactam	11.406	113	23255m	4.394	ng	
36) 4-Chloro-3-methylphenol	11.794	107	69360	4.481	ng	96
37) 2-Methylnaphthalene	11.982	142	182910	5.286	ng	100
38) 1-Methylnaphthalene	12.211	142	176371	5.081	ng	100
40) 1,2,4,5-Tetrachloroben...	12.335	216	90800	5.451	ng	100
41) Hexachlorocyclopentadiene	12.323	237	14426	2.636	ng	94
43) 2,4,6-Trichlorophenol	12.658	196	56278	4.771	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	63162	4.746	ng	99
46) 1,1'-Biphenyl	13.010	154	266063	5.678	ng	100
47) 2-Chloronaphthalene	13.057	162	194903	5.288	ng	99
48) 2-Nitroaniline	13.392	65	40128	4.047	ng	96
49) Acenaphthylene	13.915	152	316027	5.746	ng	97
50) Dimethylphthalate	13.686	163	276771	5.547	ng	99
51) 2,6-Dinitrotoluene	13.821	165	52000	4.657	ng	95
52) Acenaphthene	14.250	154	192911	5.321	ng	96
53) 3-Nitroaniline	14.238	138	49604	4.319	ng	97
54) 2,4-Dinitrophenol	14.373	184	19739	2.970	ng	98
55) Dibenzofuran	14.591	168	326134	5.695	ng	96
56) 4-Nitrophenol	14.655	139	37421	3.919	ng	99
57) 2,4-Dinitrotoluene	14.608	165	65088	4.282	ng	87
58) Fluorene	15.225	166	266491	5.523	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	65423	5.198	ng	100
60) Diethylphthalate	15.014	149	289879	5.600	ng	98
61) 4-Chlorophenyl-phenyle...	15.214	204	128784	5.441	ng	99
62) 4-Nitroaniline	15.419	138	49618	4.145	ng	92
63) Azobenzene	15.513	77	247893	5.604	ng	96
65) 4,6-Dinitro-2-methylph...	15.349	198	32627	3.470	ng	96
66) n-Nitrosodiphenylamine	15.466	169	234363	5.310	ng	100
67) 4-Bromophenyl-phenylether	16.107	248	87973	5.114	ng	96
68) Hexachlorobenzene	16.206	284	114407	5.146	ng	97
69) Atrazine	16.400	200	88523	6.073	ng	99
70) Pentachlorophenol	16.612	266	51536	3.880	ng	98
71) Phenanthrene	16.964	178	458019	5.824	ng	96
72) Anthracene	17.047	178	409929	5.356	ng	96
73) Carbazole	17.382	167	430848	5.493	ng	98
74) Di-n-butylphthalate	17.828	149	519903	6.037	ng	# 95
75) Fluoranthene	18.968	202	567364	5.992	ng	95
77) Benzidine	19.227	184	78295	2.462	ng	99
78) Pyrene	19.338	202	605591	5.683	ng	92
80) Butylbenzylphthalate	20.190	149	262381	5.562	ng	99
81) Benzo(a)anthracene	21.060	228	658292	6.118	ng	92
82) 3,3'-Dichlorobenzidine	21.042	252	209216	4.962	ng	99
83) Chrysene	21.118	228	639955	6.191	ng	91
84) Bis(2-ethylhexyl)phtha...	20.895	149	376220	6.031	ng	# 94
85) Di-n-octyl phthalate	21.741	149	610689	5.997	ng	99
87) Indeno(1,2,3-cd)pyrene	25.689	276	876050	5.762	ng	98
88) Benzo(b)fluoranthene	22.658	252	684436	5.727	ng	94
89) Benzo(k)fluoranthene	22.705	252	702375	6.227	ng	94
90) Benzo(a)pyrene	23.263	252	622595	5.903	ng	97
91) Dibenzo(a,h)anthracene	25.684	278	732462	5.754	ng	98
92) Benzo(g,h,i)perylene	26.436	276	688794	5.329	ng	97

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

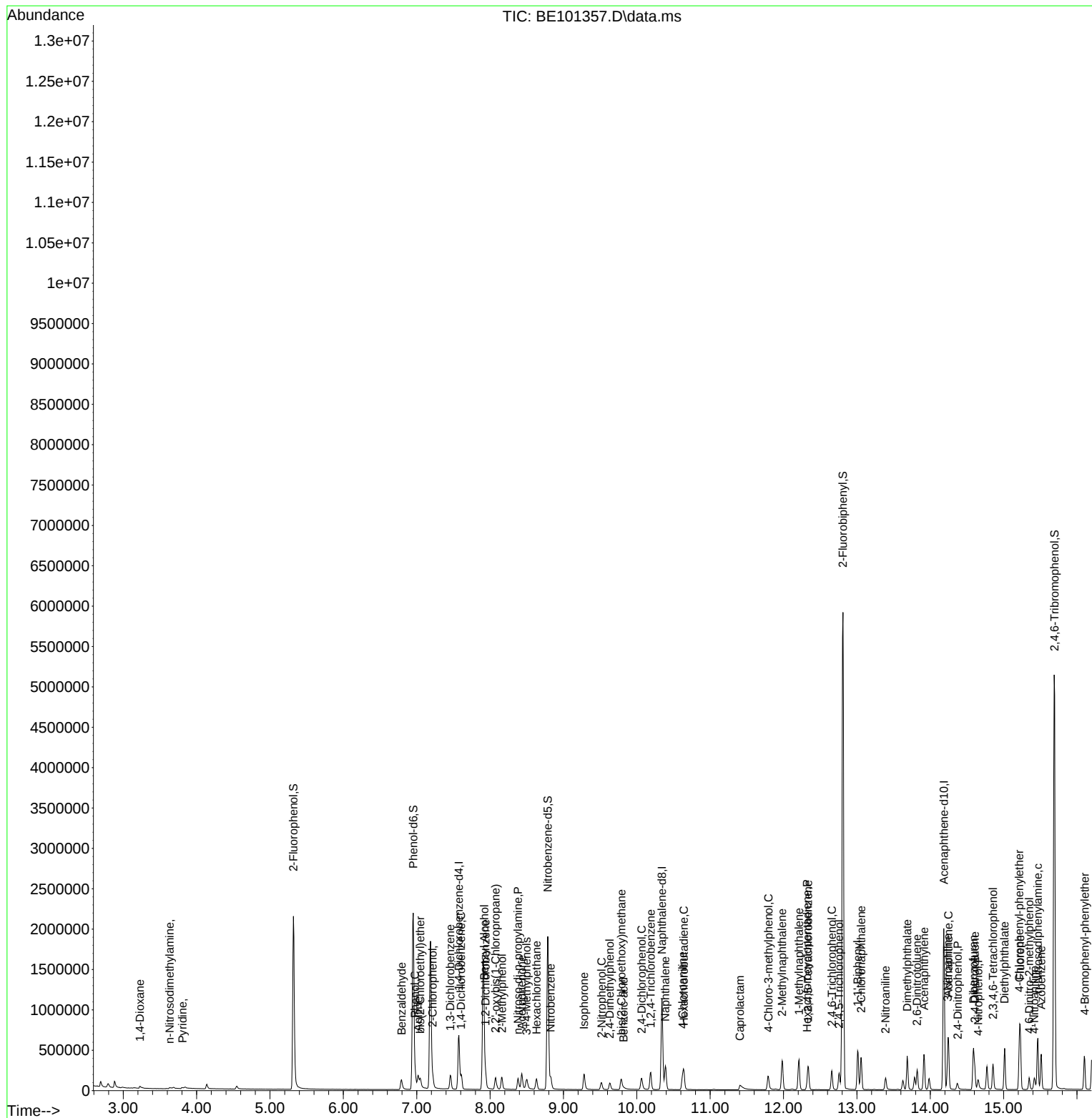
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
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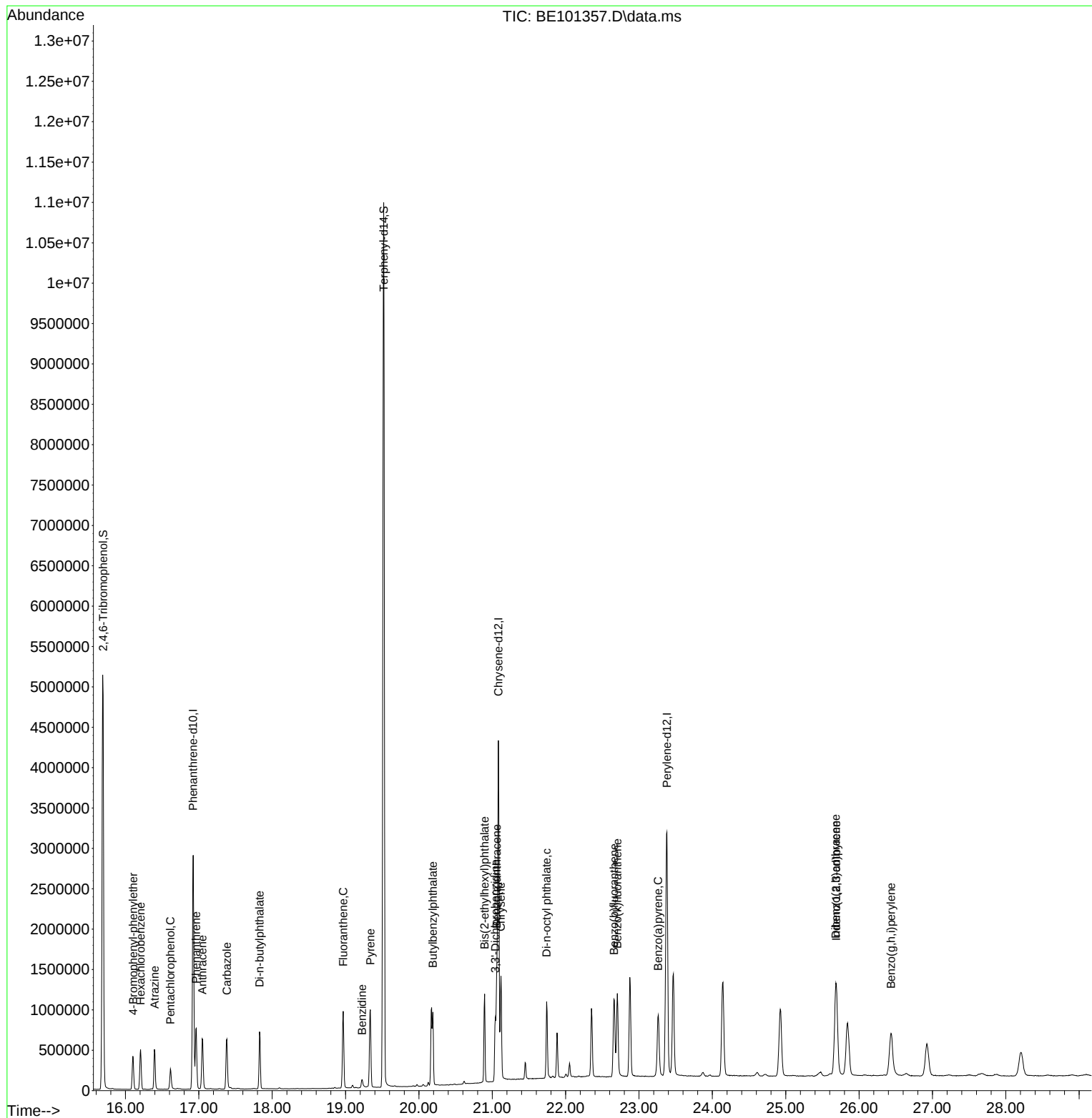
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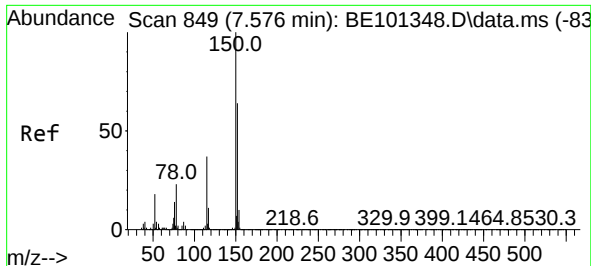
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ClientSampleId :
LOQ-SOIL-02-QT2-2024

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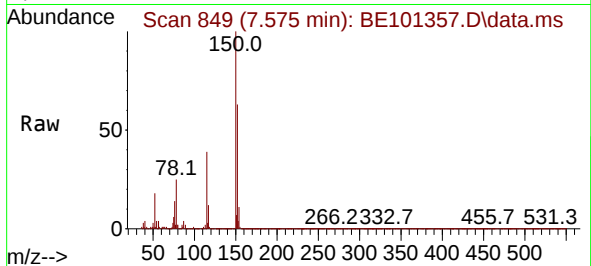
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.575 min Scan# 849
Delta R.T. -0.001 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

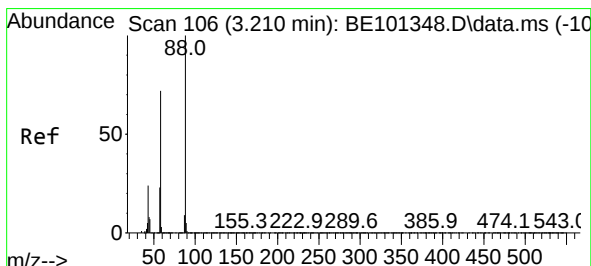
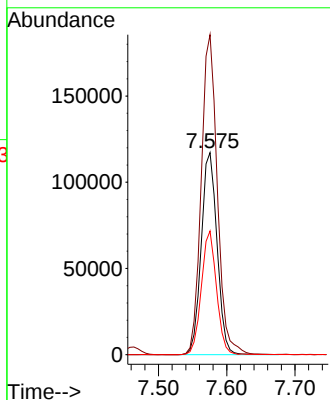
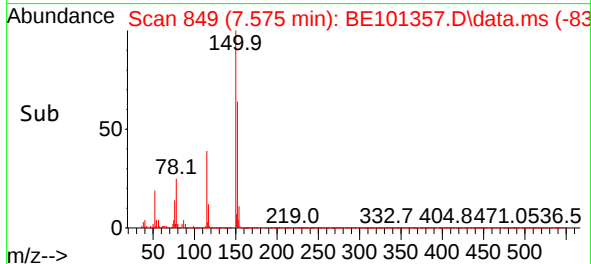
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



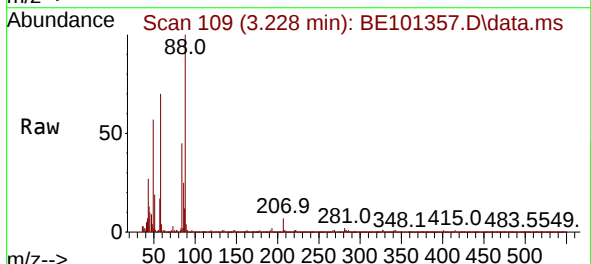
Tgt Ion: 152 Resp: 189270
Ion Ratio Lower Upper
152 100
150 158.3 125.9 188.9
115 61.2 46.9 70.3

Manual Integrations
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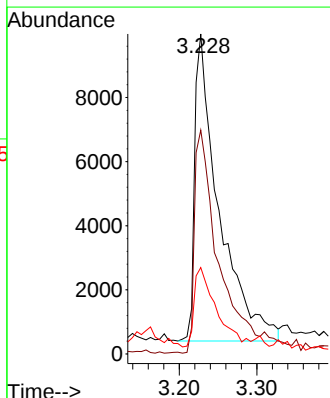
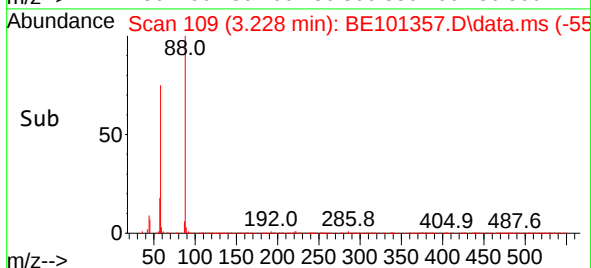
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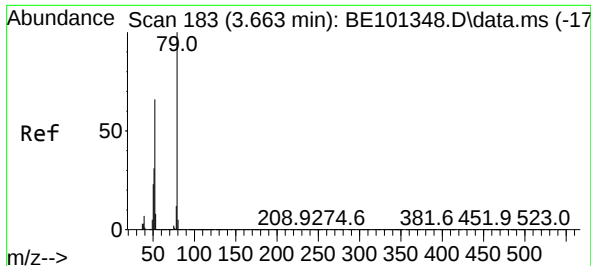


#2
1,4-Dioxane
Concen: 5.049 ng
RT: 3.228 min Scan# 109
Delta R.T. 0.017 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



Tgt Ion: 88 Resp: 20810
Ion Ratio Lower Upper
88 100
58 70.8 58.8 88.2
43 24.3 19.4 29.2





#3

Pyridine

Concen: 3.807 ng m

RT: 3.809 min Scan# 20

Delta R.T. 0.146 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

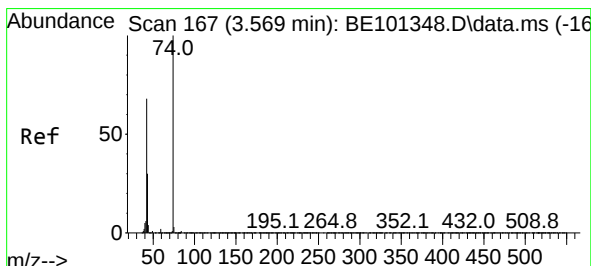
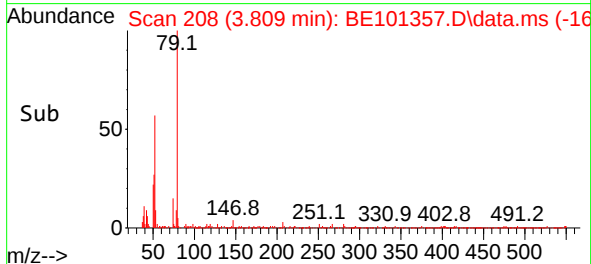
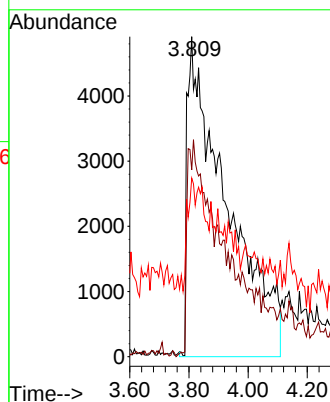
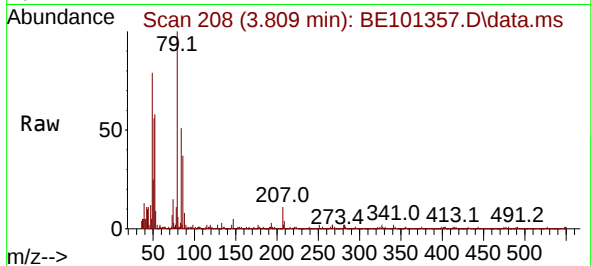
LOQ-SOIL-02-QT2-2024

Tgt Ion: 79	Resp: 4520
Ion Ratio	Lower Upper
79 100	
52 58.4	52.6 78.8
51 55.8	26.2 39.2

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#4

n-Nitrosodimethylamine

Concen: 5.332 ng m

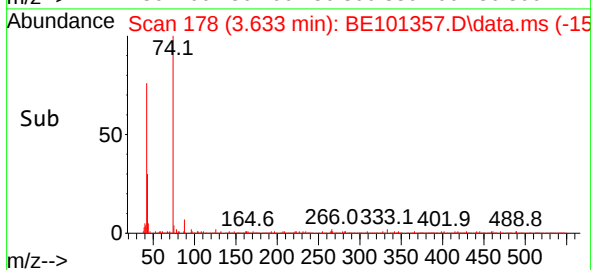
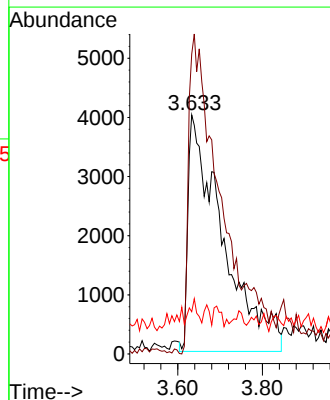
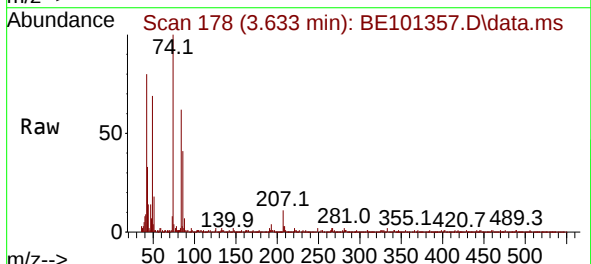
RT: 3.633 min Scan# 178

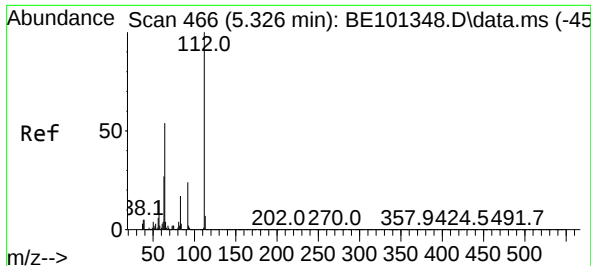
Delta R.T. 0.064 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

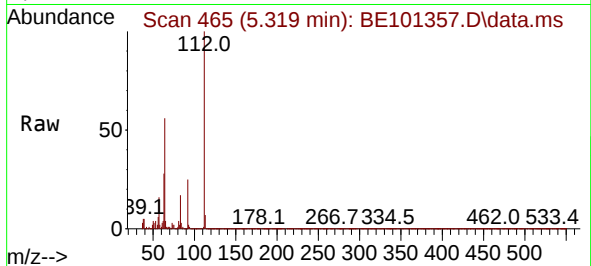
Tgt Ion: 42	Resp: 22745
Ion Ratio	Lower Upper
42 100	
74 125.5	117.0 175.4
44 17.7	5.9 8.9





#5
2-Fluorophenol
Concen: 98.334 ng
RT: 5.319 min Scan# 466
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

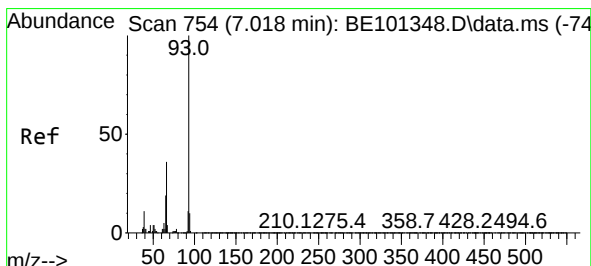
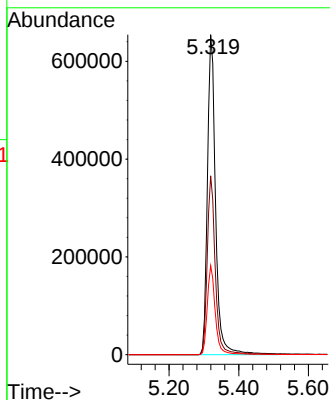
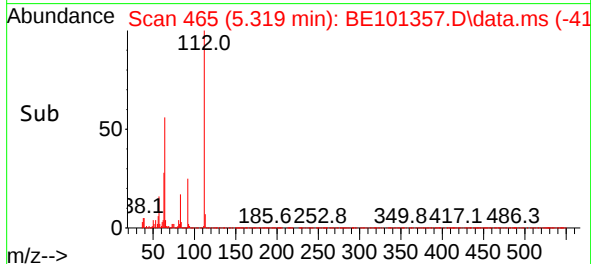
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Tgt Ion: 112 Resp: 106446
Ion Ratio Lower Upper
112 100
64 55.9 42.8 64.2
63 27.8 21.3 31.9

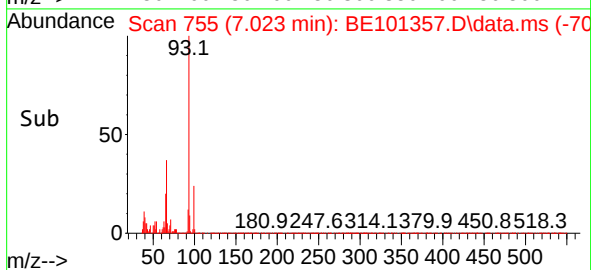
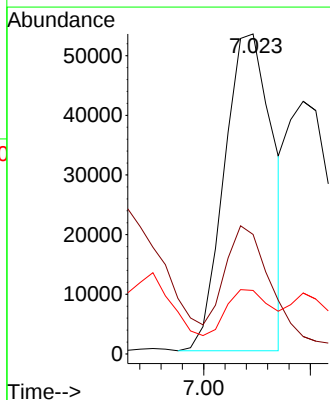
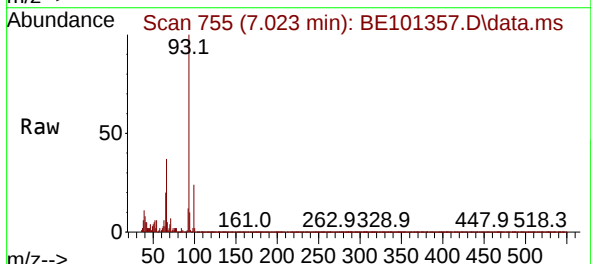
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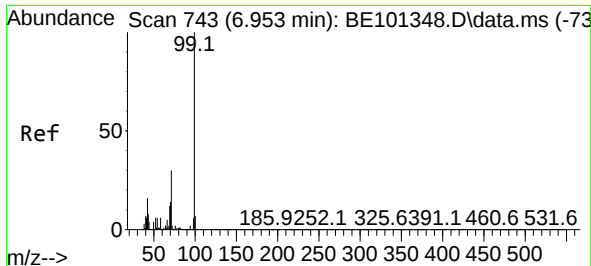
Reviewed By :Jagrut Upadhyay 09/19/2024
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#6
Aniline
Concen: 6.515 ng
RT: 7.023 min Scan# 755
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 93 Resp: 83875
Ion Ratio Lower Upper
93 100
66 37.4 30.0 45.0
65 19.9 15.8 23.8





#7

Phenol-d6

Concen: 94.310 ng

RT: 6.953 min Scan# 743

Delta R.T. -0.000 min

Lab File: BE101357.D

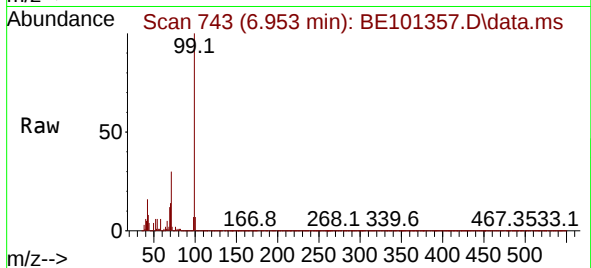
Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024



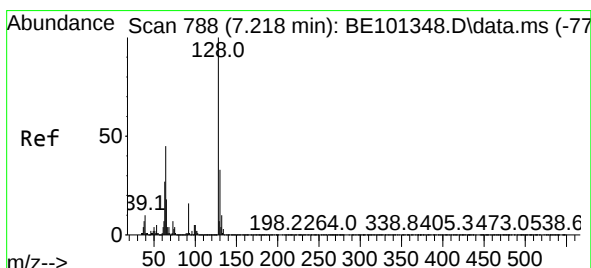
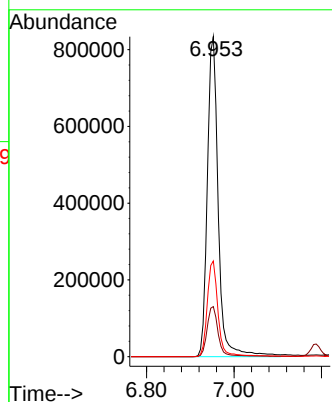
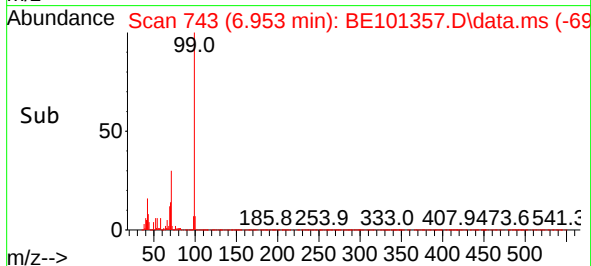
Tgt Ion: 99 Resp: 1447259

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.8	19.2
71	29.9	23.8	35.6

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#8

2-Chlorophenol

Concen: 5.288 ng

RT: 7.217 min Scan# 788

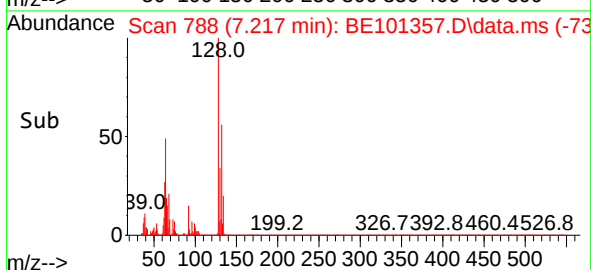
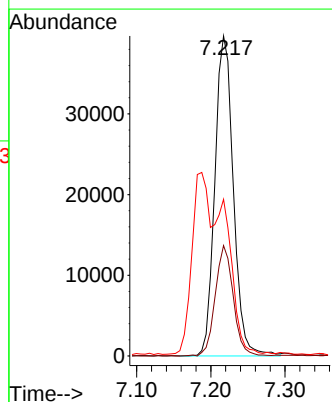
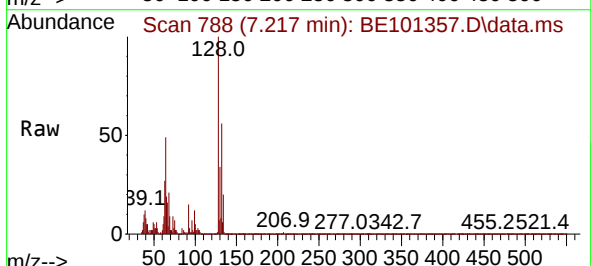
Delta R.T. -0.000 min

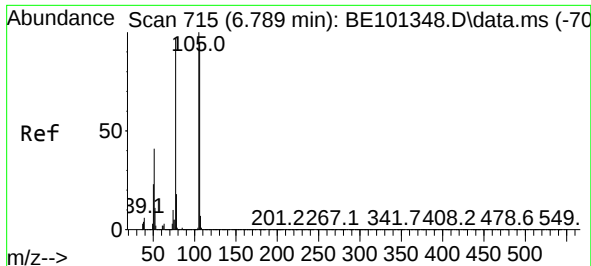
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Tgt Ion:128 Resp: 68781

Ion	Ratio	Lower	Upper
128	100		
130	34.5	12.8	52.8
64	48.9	24.9	64.9





#9

Benzaldehyde

Concen: 7.232 ng

RT: 6.794 min Scan# 715

Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

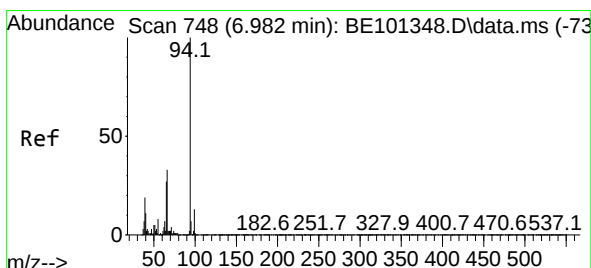
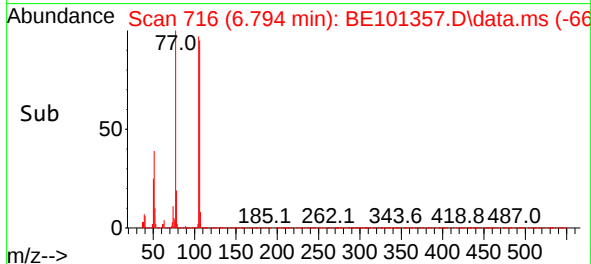
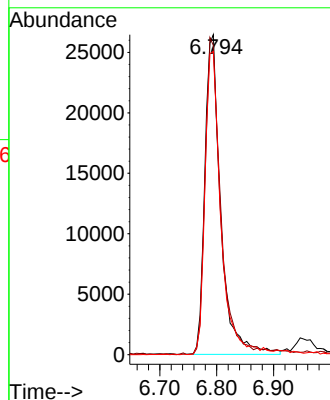
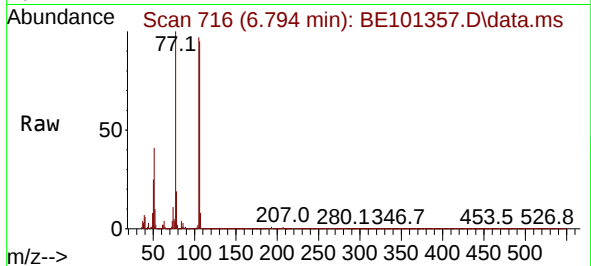
ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77	Resp: 51000
Ion Ratio	Lower Upper
77 100	
105 96.7	82.8 122.8
106 94.8	77.9 117.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#10

Phenol

Concen: 4.502 ng

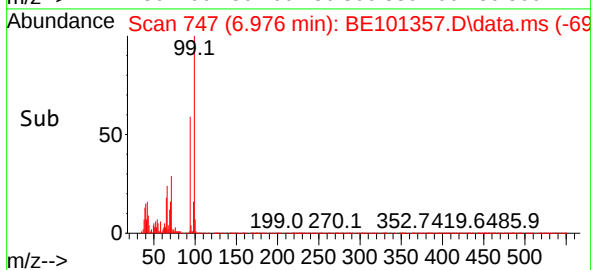
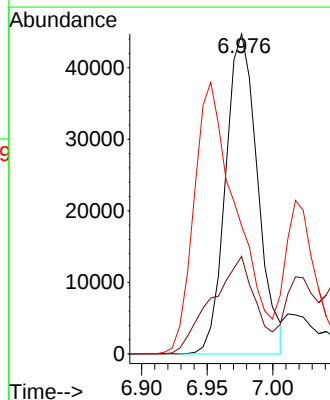
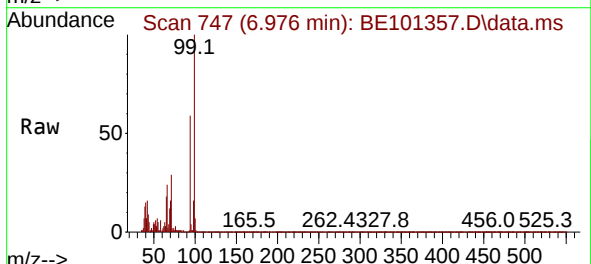
RT: 6.976 min Scan# 747

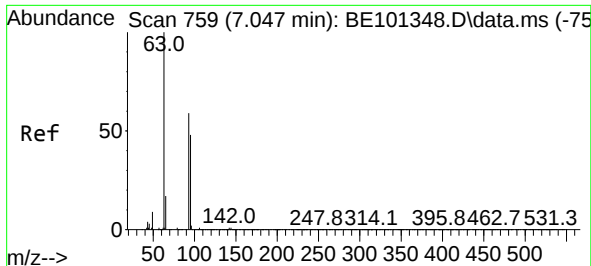
Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion: 94	Resp: 75945
Ion Ratio	Lower Upper
94 100	
65 30.5	7.1 47.1
66 40.0	13.1 53.1





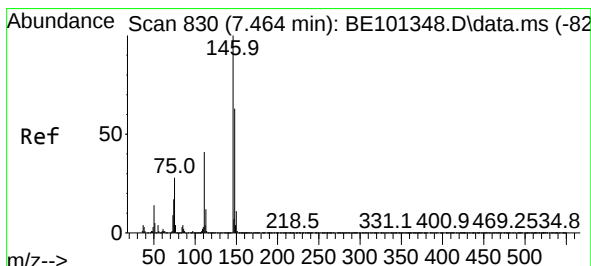
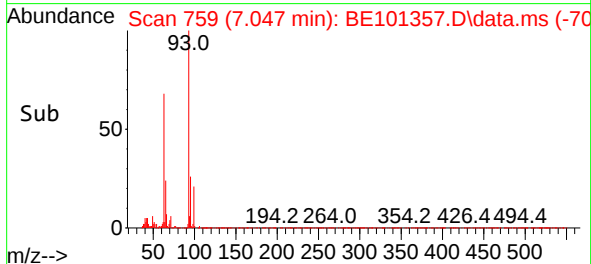
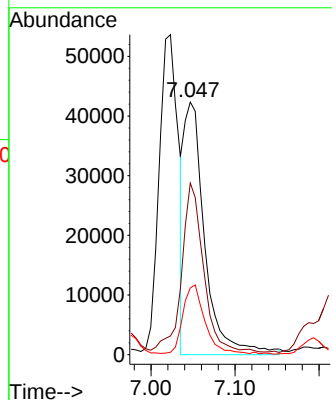
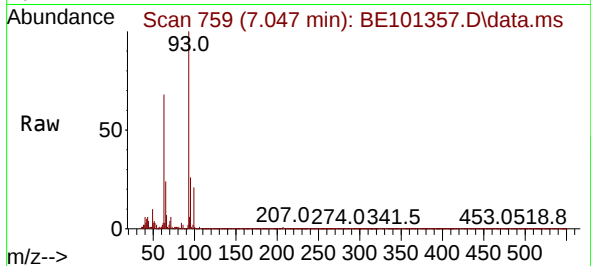
#11
bis(2-Chloroethyl)ether
Concen: 5.127 ng m
RT: 7.047 min Scan# 701
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion: 93 Resp: 7319
Ion Ratio Lower Upper
93 100
63 68.0 43.7 83.7
95 26.4 8.7 48.7

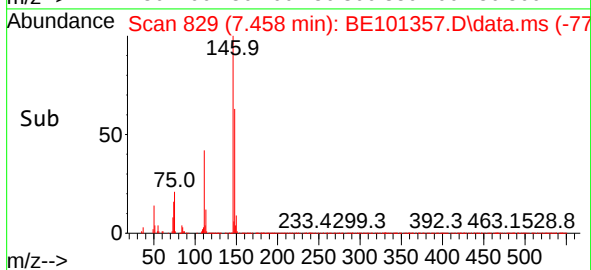
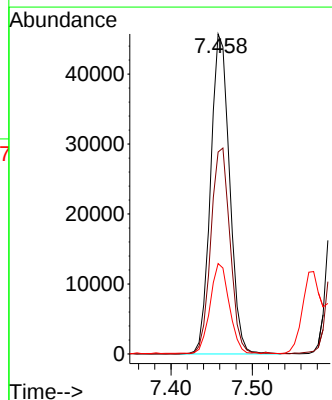
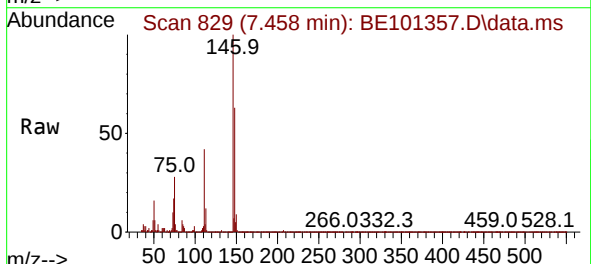
Manual Integrations
APPROVED

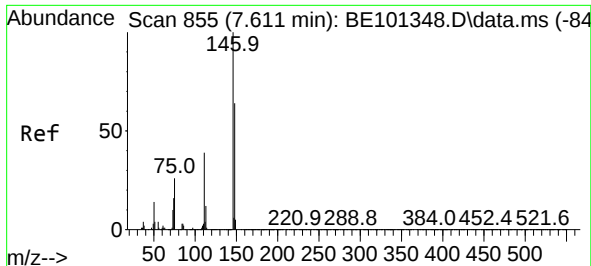
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#12
1,3-Dichlorobenzene
Concen: 5.305 ng
RT: 7.458 min Scan# 829
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:146 Resp: 74170
Ion Ratio Lower Upper
146 100
148 63.1 50.8 76.2
75 28.3 22.1 33.1





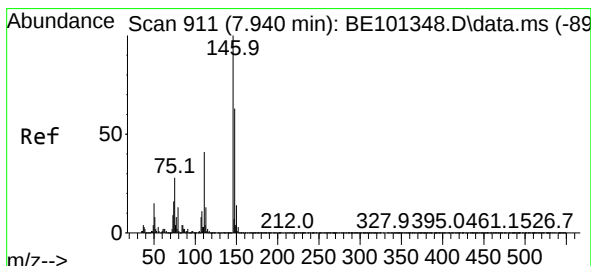
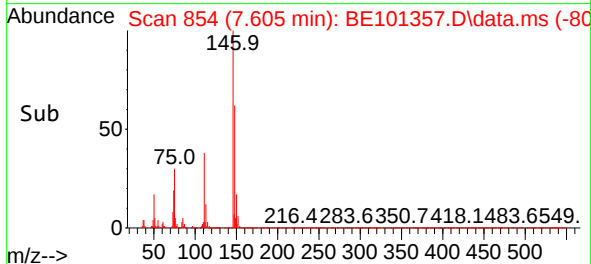
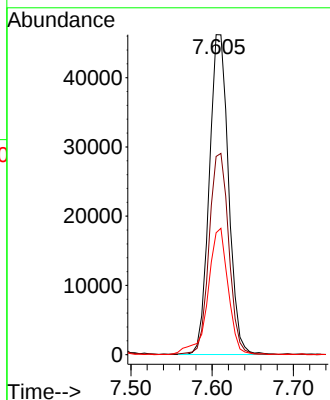
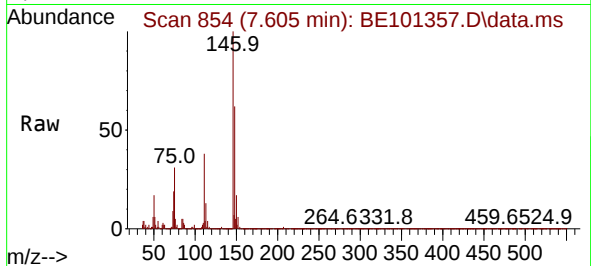
#13
1,4-Dichlorobenzene
Concen: 5.341 ng
RT: 7.605 min Scan# 855
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:146 Resp: 76070
Ion Ratio Lower Upper
146 100
148 61.9 51.1 76.7
111 38.1 31.1 46.7

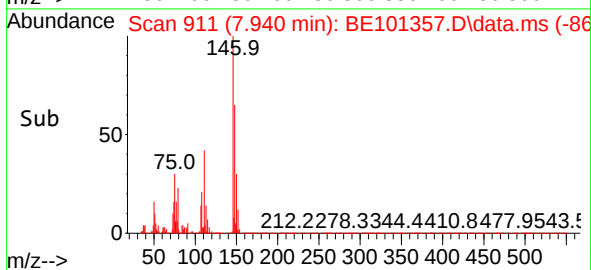
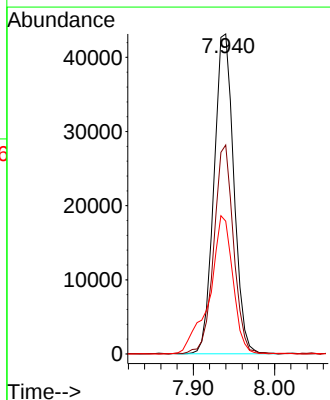
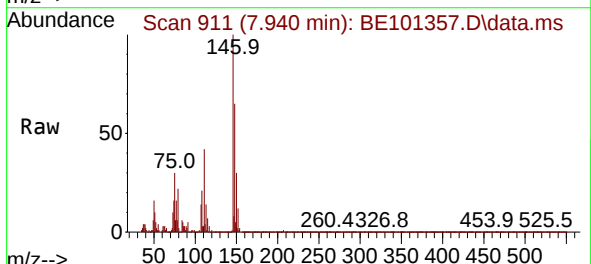
Manual Integrations
APPROVED

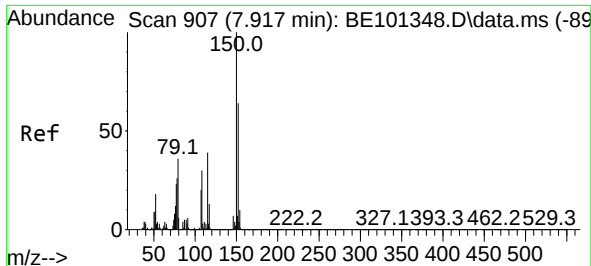
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#14
1,2-Dichlorobenzene
Concen: 5.188 ng
RT: 7.940 min Scan# 911
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

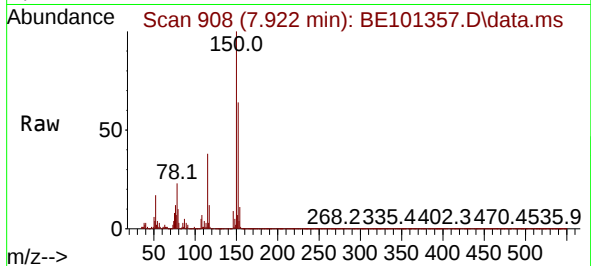
Tgt Ion:146 Resp: 73229
Ion Ratio Lower Upper
146 100
148 65.3 50.4 75.6
111 41.5 32.6 48.8





#15
Benzyl Alcohol
Concen: 5.697 ng
RT: 7.922 min Scan# 907
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

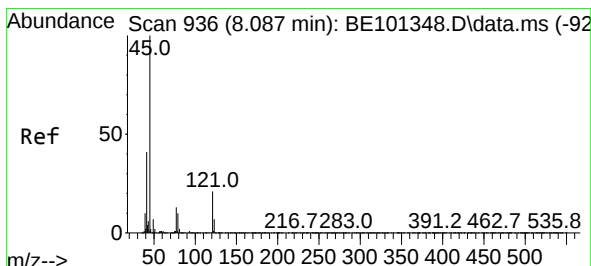
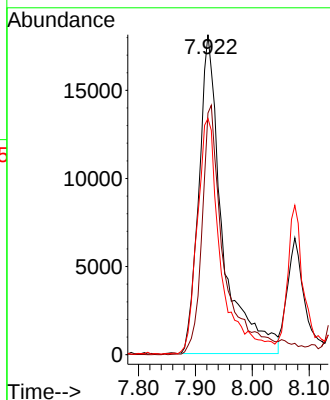
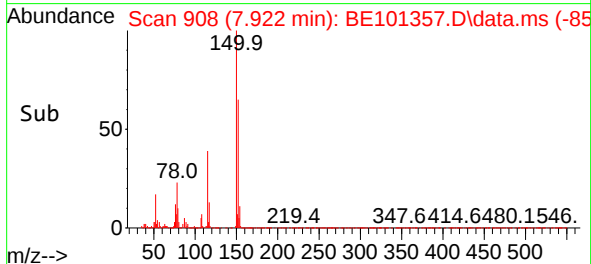
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 79 Resp: 52059
Ion Ratio Lower Upper
79 100
108 75.5 66.0 99.0
77 73.8 51.0 76.6

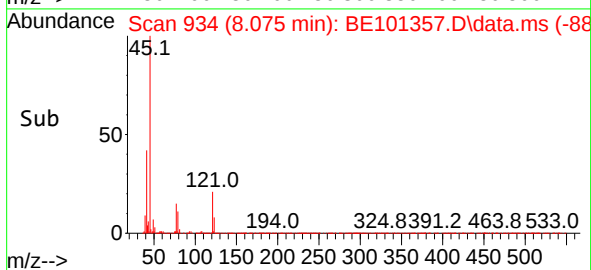
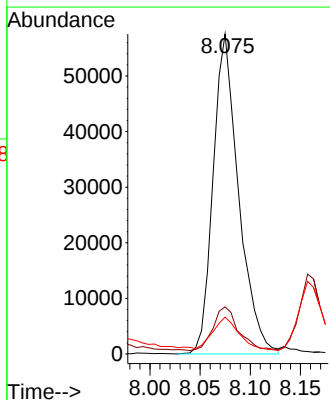
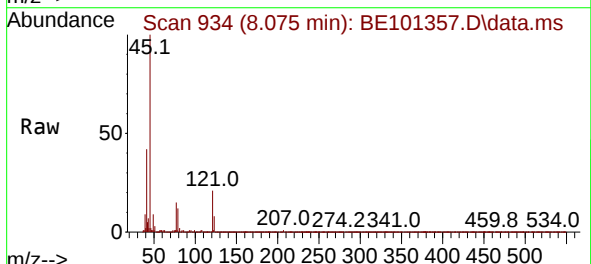
Manual Integrations
APPROVED

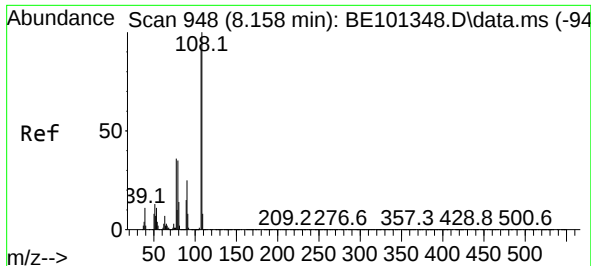
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.656 ng
RT: 8.075 min Scan# 934
Delta R.T. -0.012 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 45 Resp: 101761
Ion Ratio Lower Upper
45 100
77 14.7 0.0 34.3
79 11.5 0.0 31.6





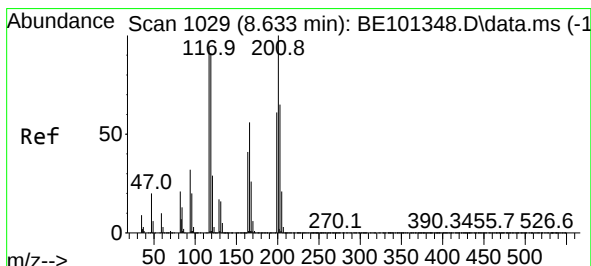
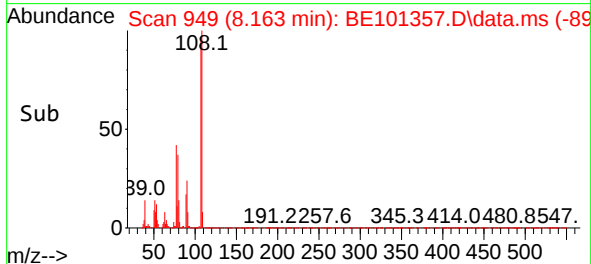
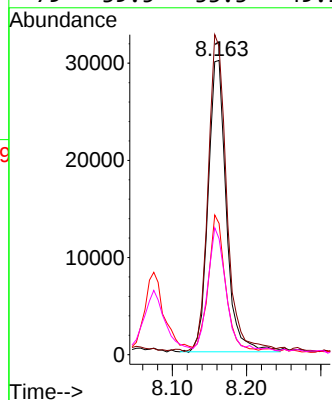
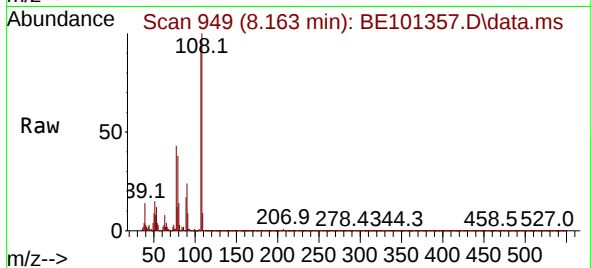
#17
2-Methylphenol
Concen: 4.578 ng
RT: 8.163 min Scan# 948
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:107	Resp: 51170
Ion Ratio	Lower Upper
107 100	
108 104.7	88.2 132.2
77 44.6	34.9 52.3
79 39.5	33.3 49.9

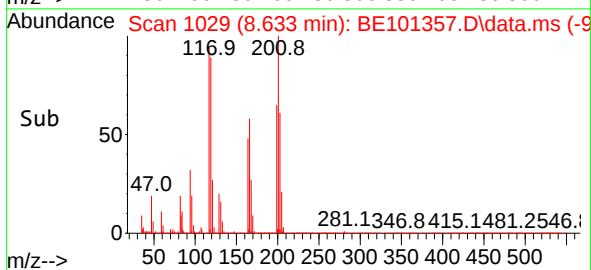
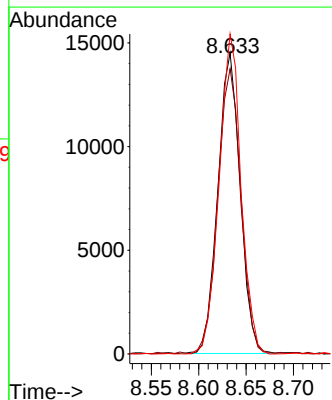
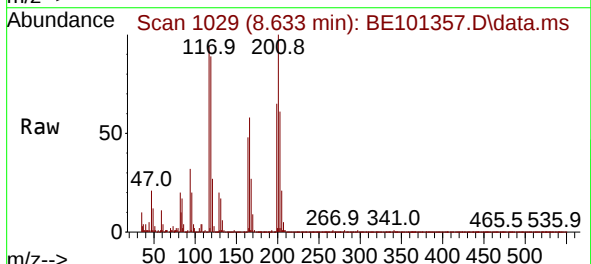
Manual Integrations
APPROVED

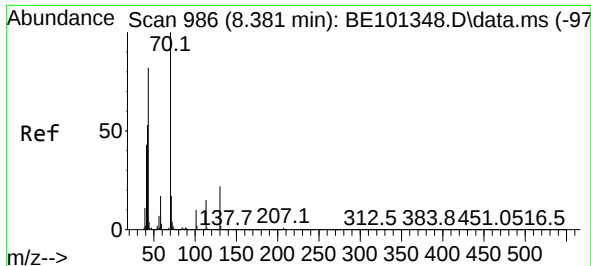
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#18
Hexachloroethane
Concen: 5.108 ng
RT: 8.633 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:117	Resp: 23796
Ion Ratio	Lower Upper
117 100	
119 94.9	77.4 116.2
201 108.0	84.8 127.2





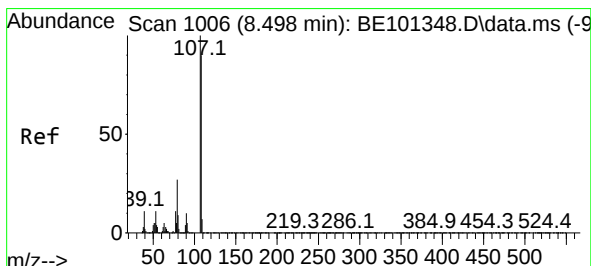
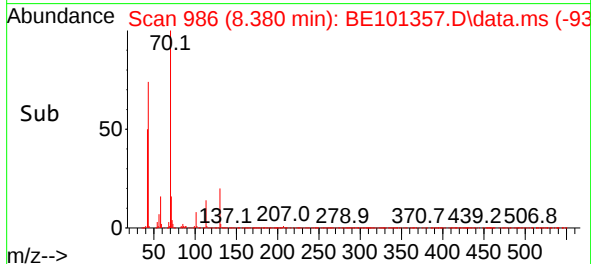
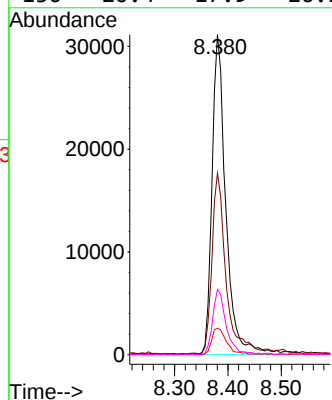
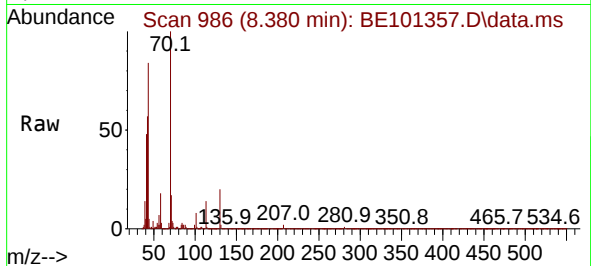
#19
n-Nitroso-di-n-propylamine
Concen: 5.174 ng
RT: 8.380 min Scan# 986
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:	70	Resp:	5604
Ion Ratio	Lower	Upper	
70	100		
42	56.7	42.5	63.7
101	8.2	7.8	11.6
130	20.4	17.9	26.9

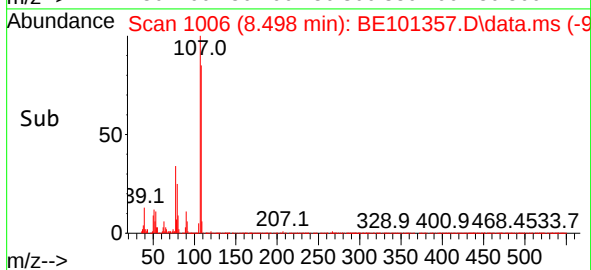
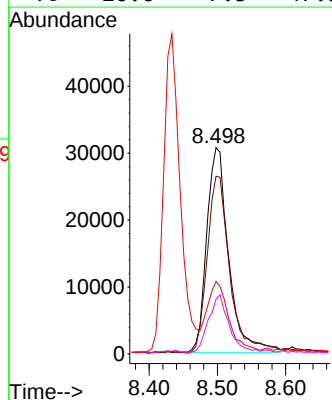
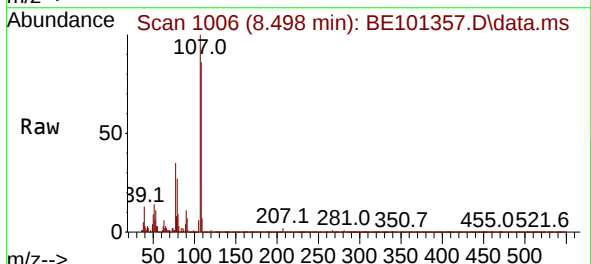
Manual Integrations
APPROVED

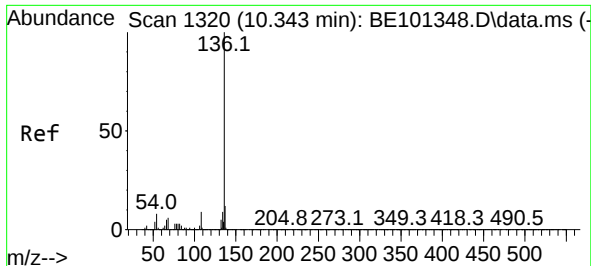
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#20
3+4-Methylphenols
Concen: 4.355 ng
RT: 8.498 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

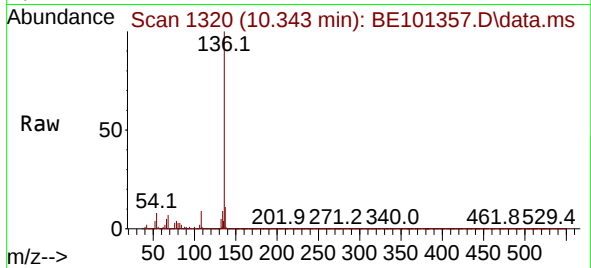
Tgt Ion:	107	Resp:	68494
Ion Ratio	Lower	Upper	
107	100		
108	86.1	70.4	110.4
77	35.2	12.5	52.5
79	26.6	7.3	47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.343 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

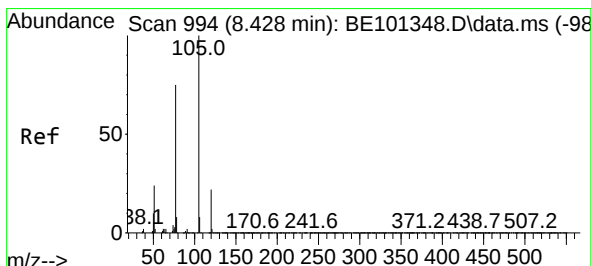
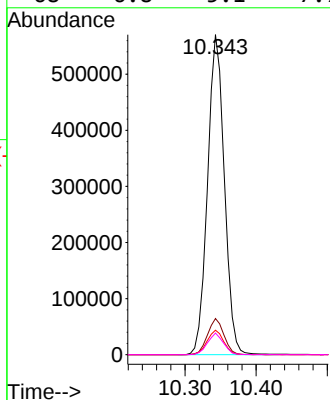
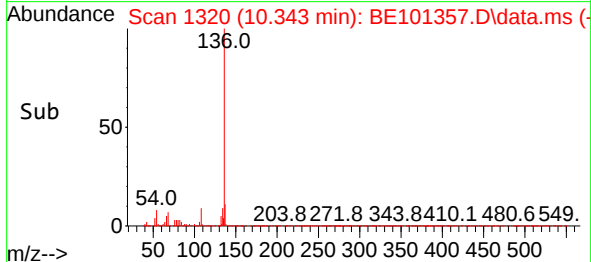
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:136 Resp: 937630
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 7.7 6.1 9.1
68 6.8 5.1 7.7

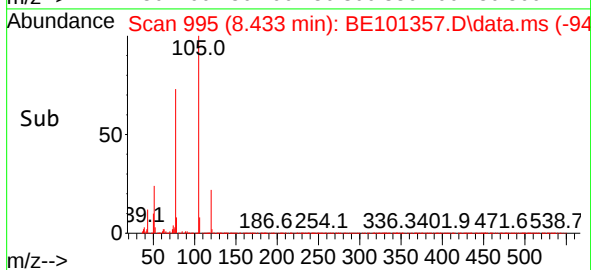
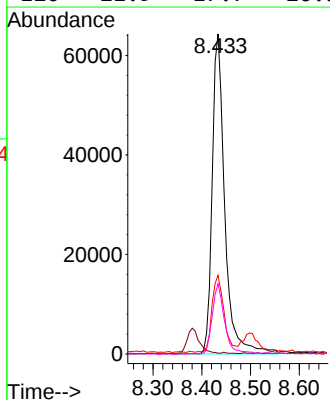
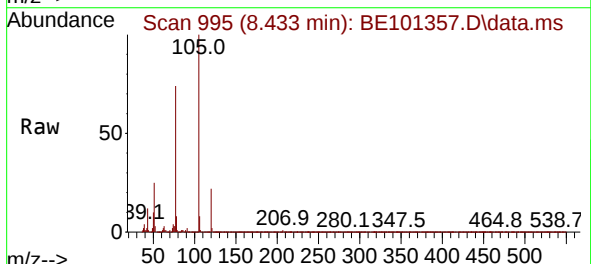
Manual Integrations
APPROVED

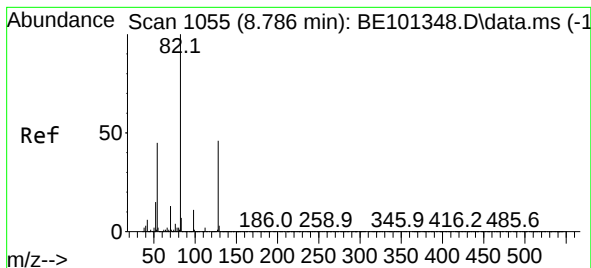
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#22
Acetophenone
Concen: 5.277 ng
RT: 8.433 min Scan# 995
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

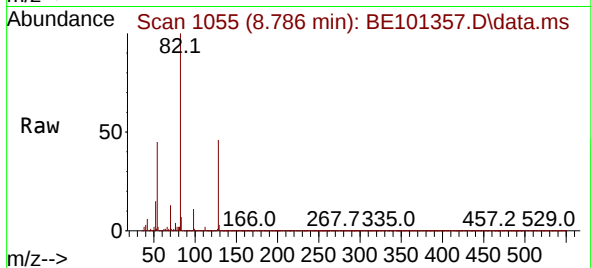
Tgt Ion:105 Resp: 114740
Ion Ratio Lower Upper
105 100
71 0.3 0.1 0.1#
51 24.6 19.0 28.4
120 21.9 17.7 26.5





#23
Nitrobenzene-d5
Concen: 77.315 ng
RT: 8.786 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

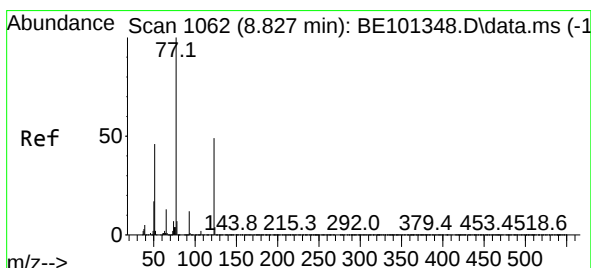
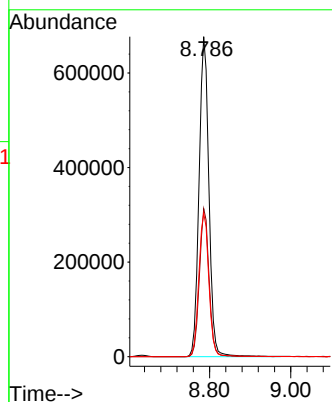
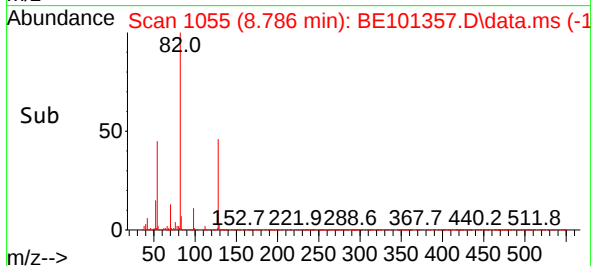
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



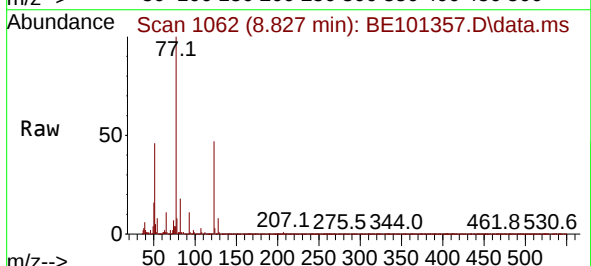
Tgt Ion: 82 Resp: 114345
Ion Ratio Lower Upper
82 100
128 46.2 36.8 55.2
54 44.8 36.2 54.4

Manual Integrations
APPROVED

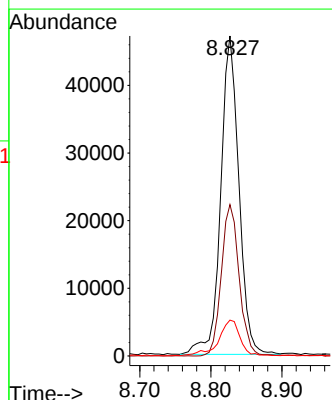
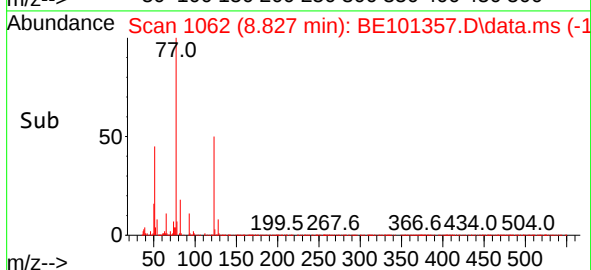
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

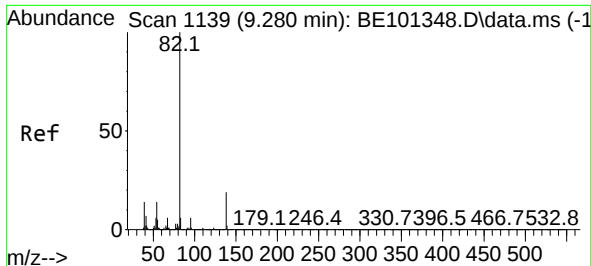


#24
Nitrobenzene
Concen: 5.293 ng
RT: 8.827 min Scan# 1062
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



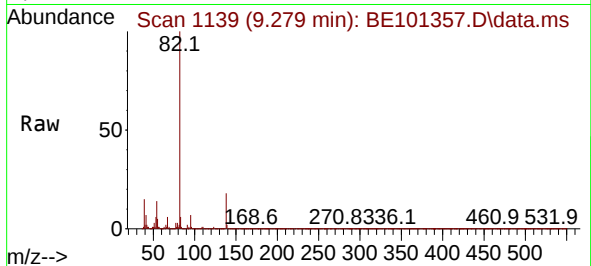
Tgt Ion: 77 Resp: 83582
Ion Ratio Lower Upper
77 100
123 47.3 39.0 58.4
65 11.2 10.2 15.4





#25
Isophorone
Concen: 5.246 ng
RT: 9.279 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

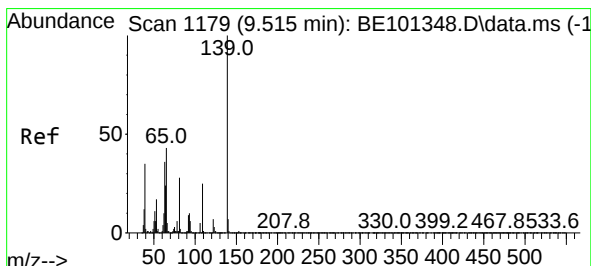
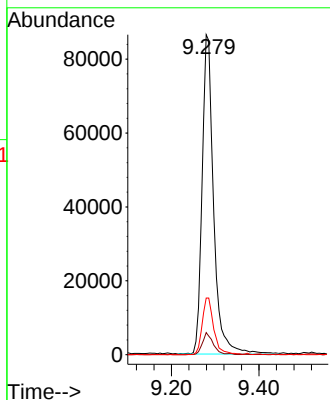
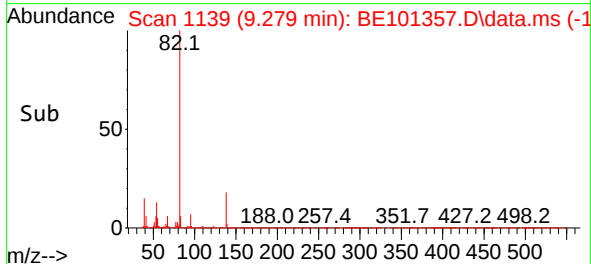
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



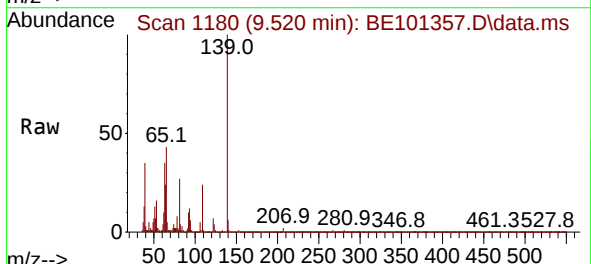
Tgt Ion: 82 Resp: 15883
Ion Ratio Lower Upper
82 100
95 6.9 5.2 7.8
138 17.7 15.0 22.6

Manual Integrations
APPROVED

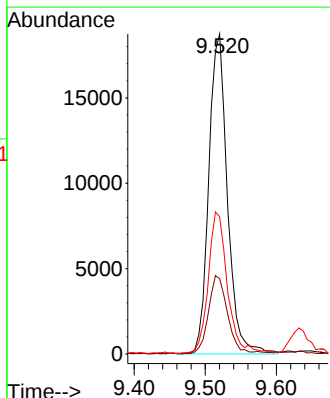
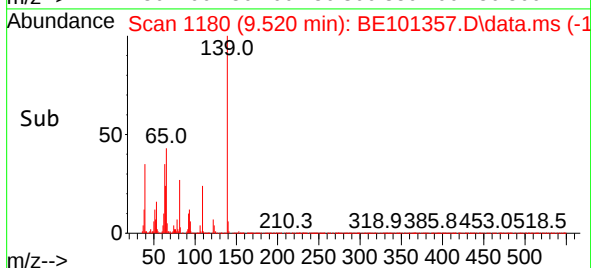
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

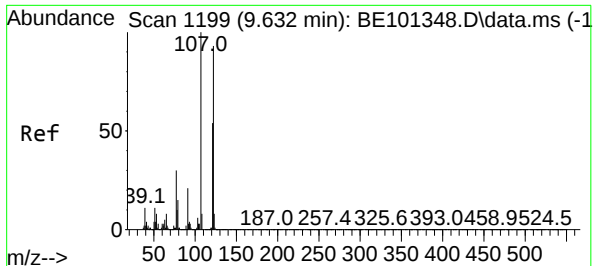


#26
2-Nitrophenol
Concen: 4.587 ng
RT: 9.520 min Scan# 1180
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



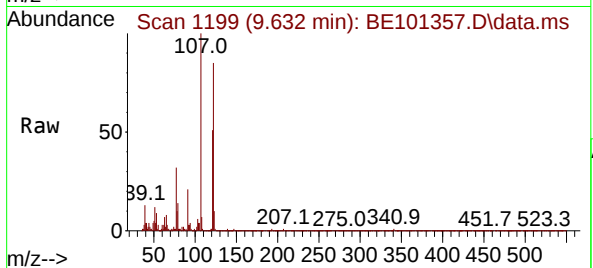
Tgt Ion:139 Resp: 34182
Ion Ratio Lower Upper
139 100
109 23.6 19.8 29.6
65 42.9 34.6 52.0





#27
2,4-Dimethylphenol
Concen: 4.576 ng m
RT: 9.632 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

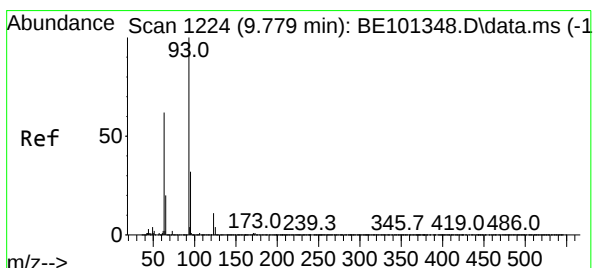
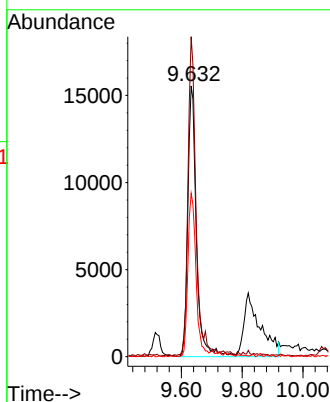
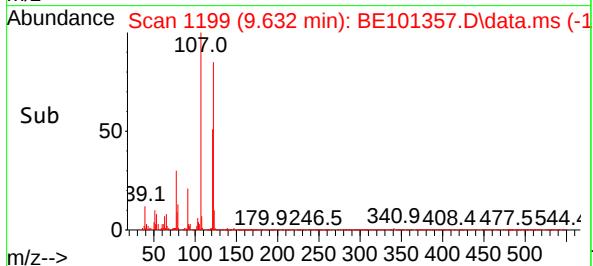
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion: 122 Resp: 43780
Ion Ratio Lower Upper
122 100
107 118.2 86.4 129.6
121 60.3 46.3 69.5

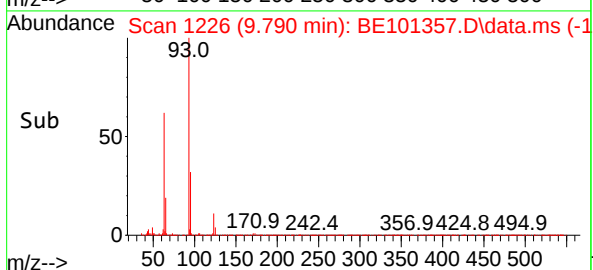
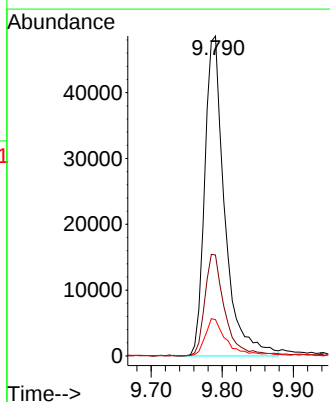
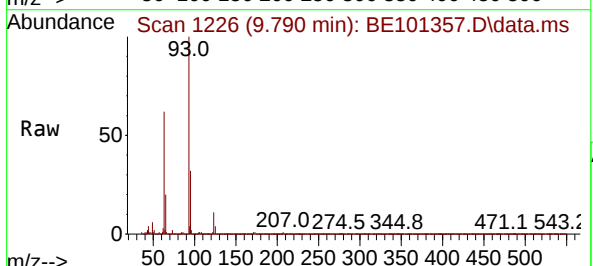
Manual Integrations
APPROVED

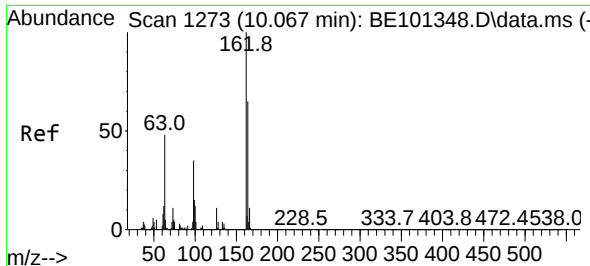
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#28
bis(2-Chloroethoxy)methane
Concen: 5.184 ng
RT: 9.790 min Scan# 1226
Delta R.T. 0.011 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 93 Resp: 94946
Ion Ratio Lower Upper
93 100
95 31.6 26.0 39.0
123 11.3 9.0 13.4





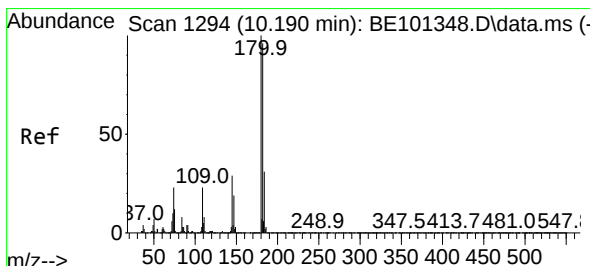
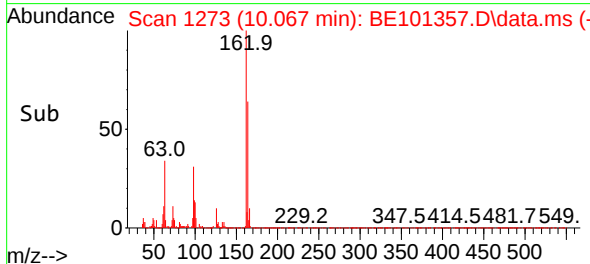
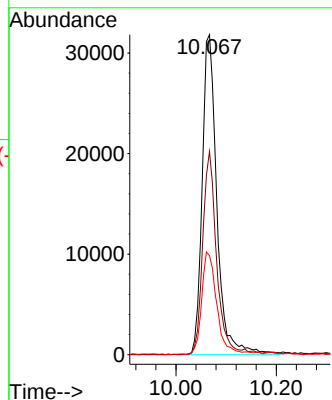
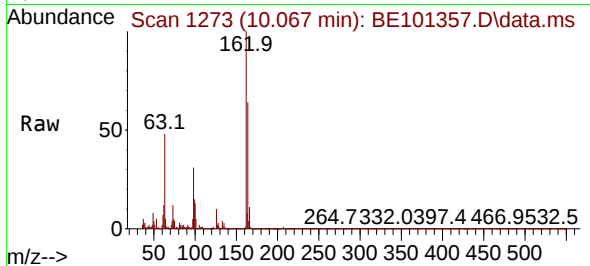
#29
2,4-Dichlorophenol
Concen: 4.952 ng
RT: 10.067 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:162 Resp: 64880
Ion Ratio Lower Upper
162 100
164 63.5 44.6 84.6
98 31.0 14.7 54.7

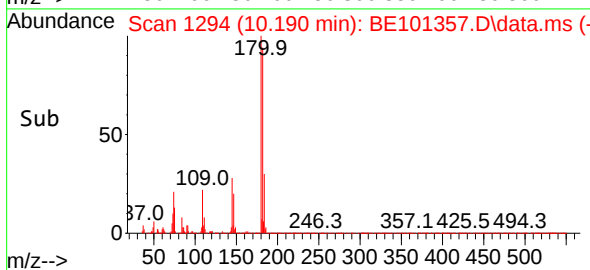
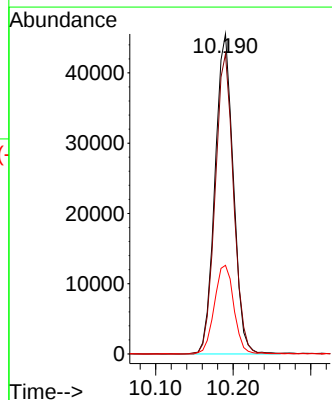
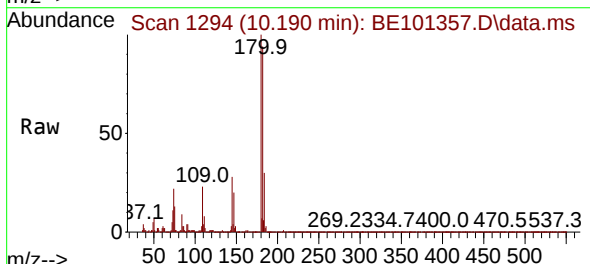
Manual Integrations
APPROVED

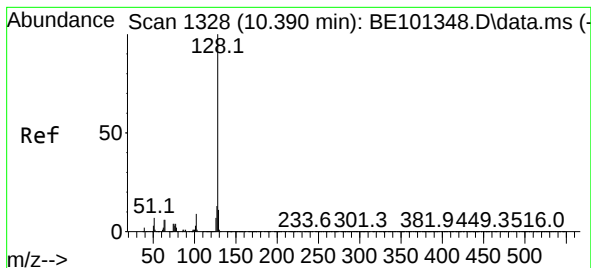
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#30
1,2,4-Trichlorobenzene
Concen: 5.277 ng
RT: 10.190 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:180 Resp: 74709
Ion Ratio Lower Upper
180 100
182 93.8 76.6 114.8
145 27.7 23.5 35.3





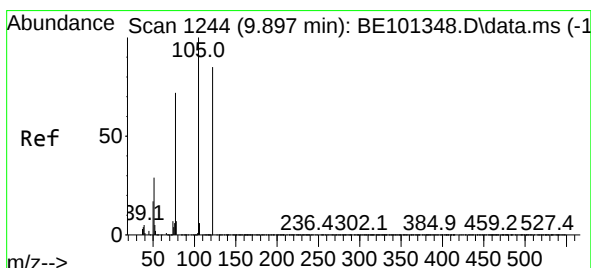
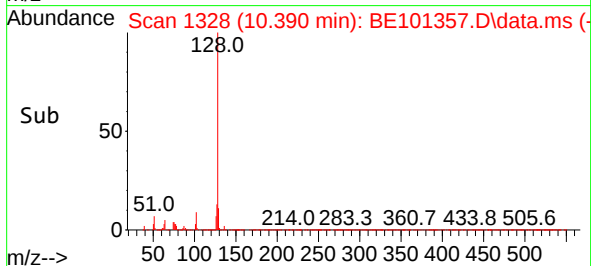
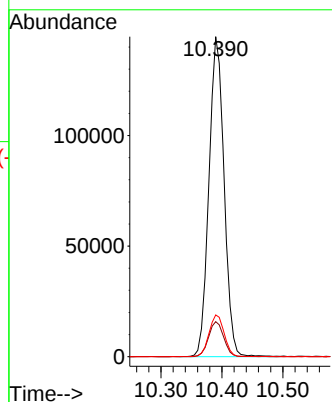
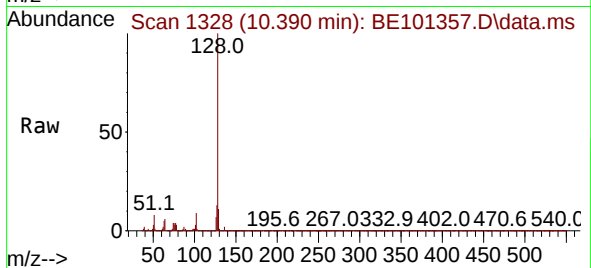
#31
Naphthalene
Concen: 5.277 ng
RT: 10.390 min Scan# 1123
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:128 Resp: 249669
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.3 15.5

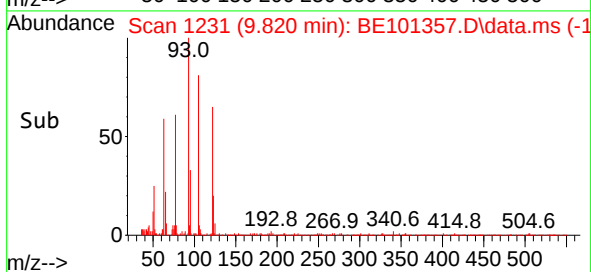
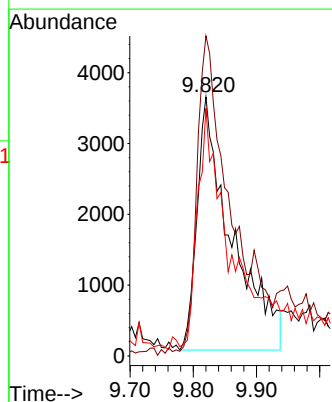
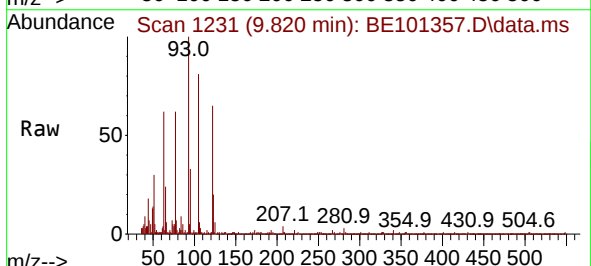
Manual Integrations
APPROVED

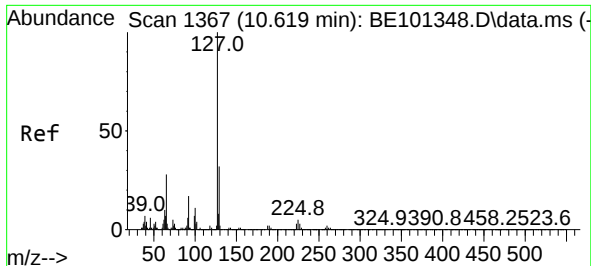
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#32
Benzoic acid
Concen: 8.465 ng
RT: 9.820 min Scan# 1231
Delta R.T. -0.077 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:122 Resp: 13497
Ion Ratio Lower Upper
122 100
105 123.5 96.7 136.7
77 95.6 64.8 104.8





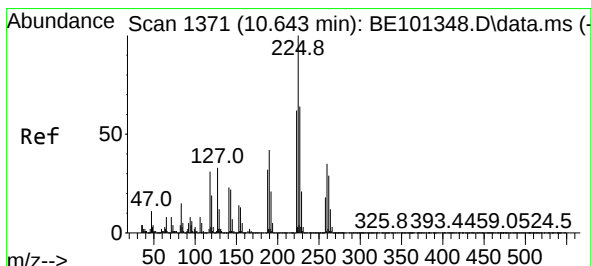
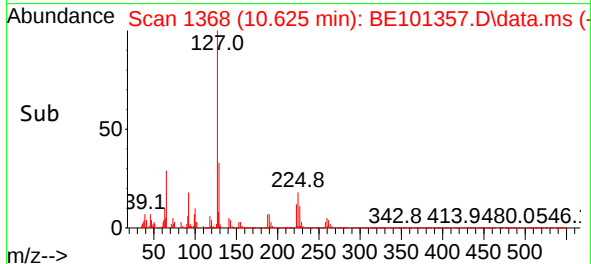
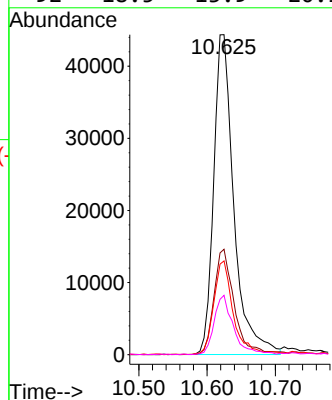
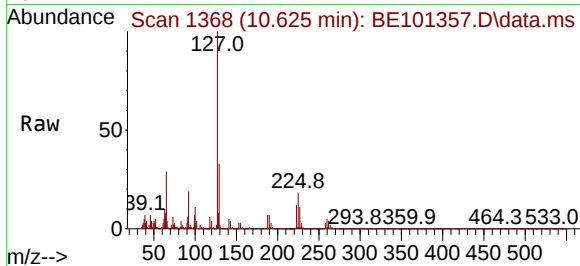
#33
4-Chloroaniline
Concen: 5.054 ng
RT: 10.625 min Scan# 1367
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:	127	Resp:	9148
Ion Ratio	Lower	Upper	
127	100		
129	32.9	25.8	38.8
65	29.3	22.5	33.7
92	18.5	13.9	20.9

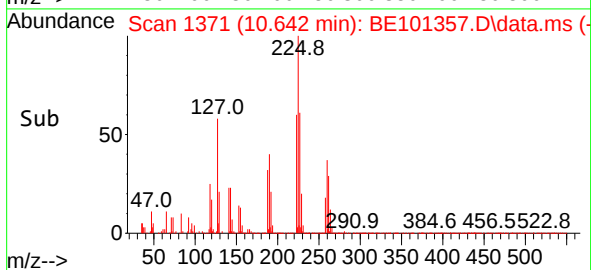
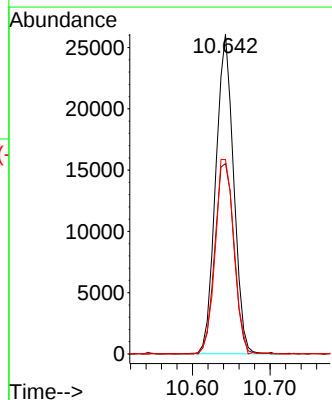
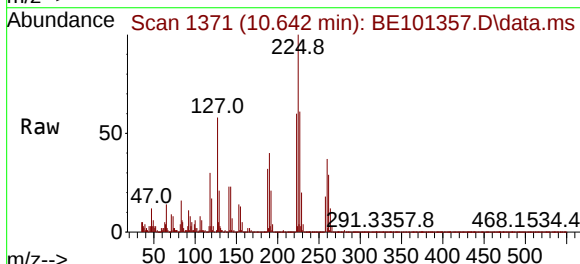
Manual Integrations
APPROVED

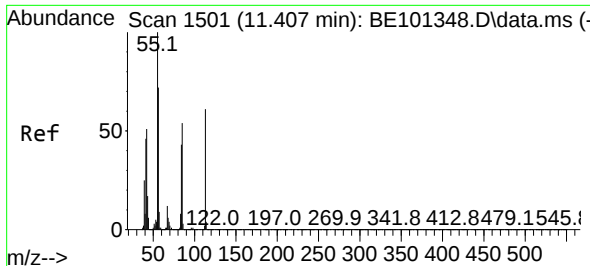
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#34
Hexachlorobutadiene
Concen: 5.075 ng
RT: 10.642 min Scan# 1371
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

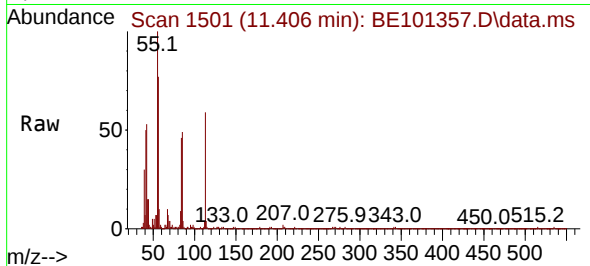
Tgt Ion:	225	Resp:	41744
Ion Ratio	Lower	Upper	
225	100		
223	59.5	49.8	74.8
227	60.7	51.3	76.9





#35
Caprolactam
Concen: 4.394 ng m
RT: 11.406 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

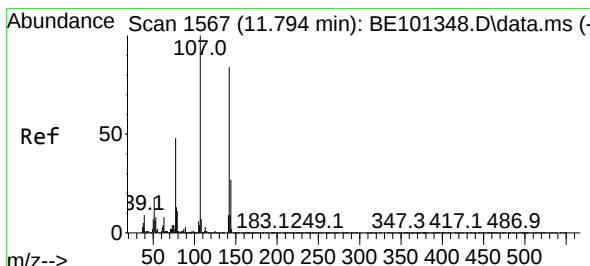
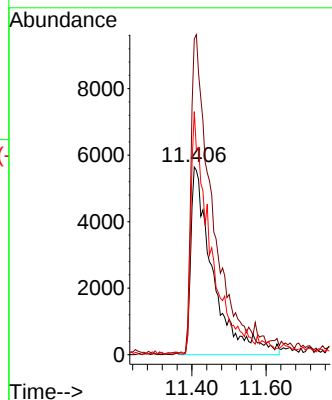
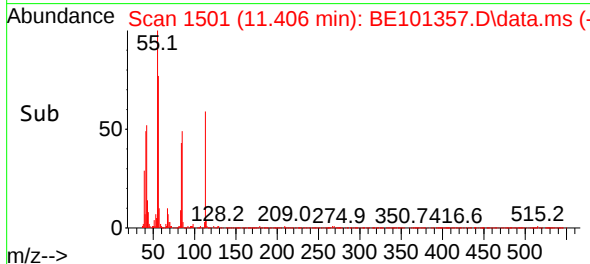
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



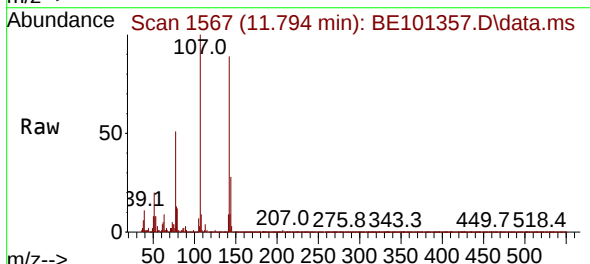
Tgt Ion:113 Resp: 2325
Ion Ratio Lower Upper
113 100
55 168.2 144.8 184.8
56 129.5 99.3 139.3

Manual Integrations
APPROVED

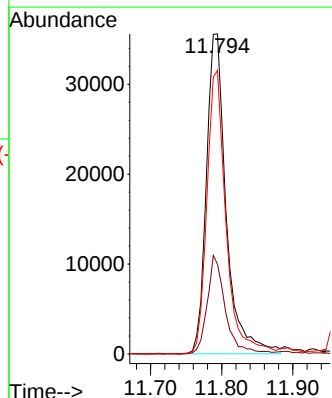
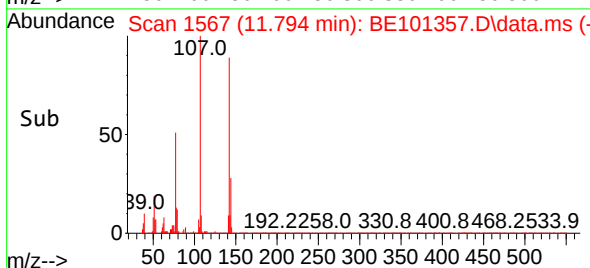
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

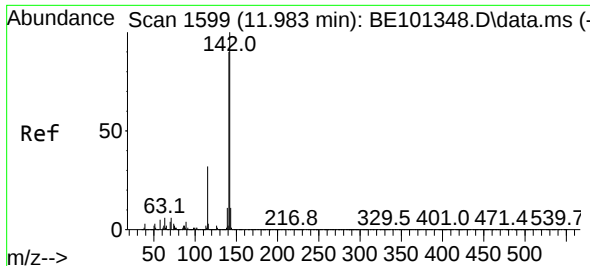


#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 11.794 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



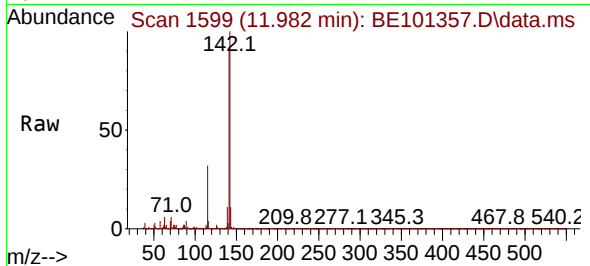
Tgt Ion:107 Resp: 69360
Ion Ratio Lower Upper
107 100
144 28.1 21.9 32.9
142 88.6 67.4 101.2





#37
2-Methylnaphthalene
Concen: 5.286 ng
RT: 11.982 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

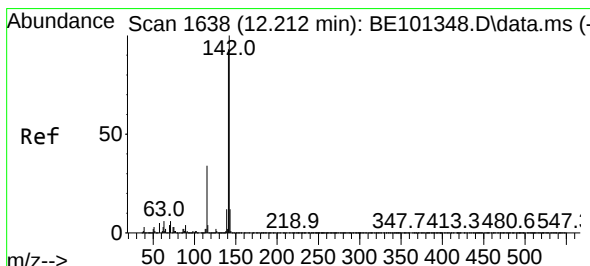
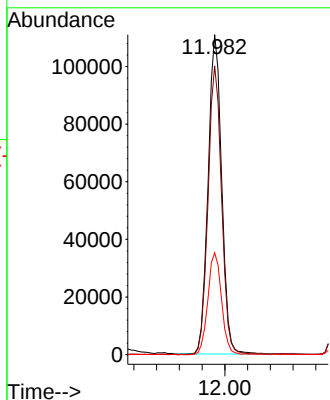
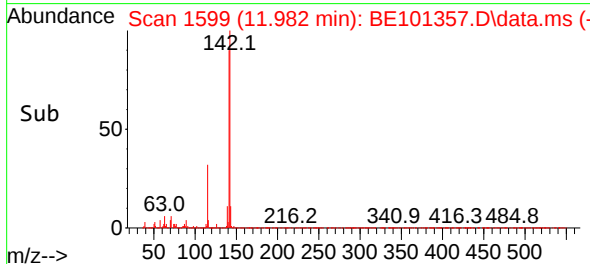
Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



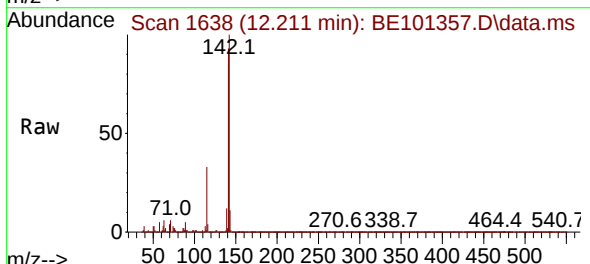
Tgt Ion:142 Resp: 182910
Ion Ratio Lower Upper
142 100
141 90.2 71.8 107.6
115 31.9 25.6 38.4

Manual Integrations
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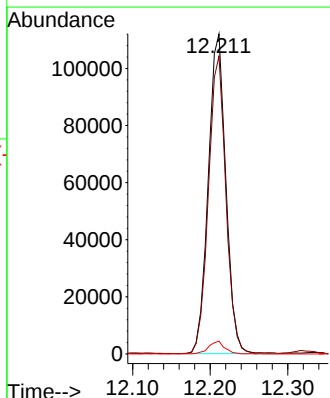
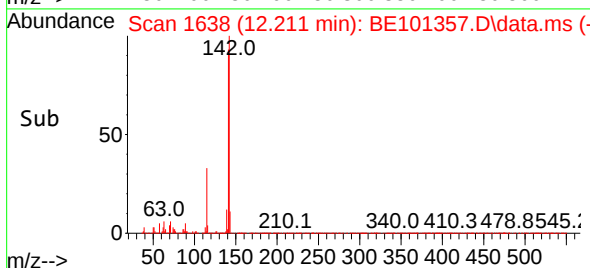
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

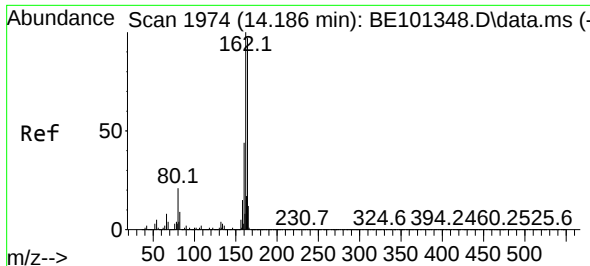


#38
1-Methylnaphthalene
Concen: 5.081 ng
RT: 12.211 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



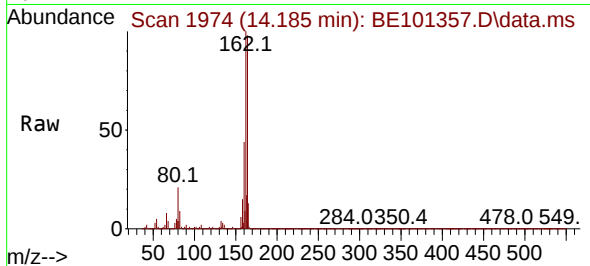
Tgt Ion:142 Resp: 176371
Ion Ratio Lower Upper
142 100
141 93.1 74.3 111.5
116 4.0 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.185 min Scan# 1974
Delta R.T. -0.001 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

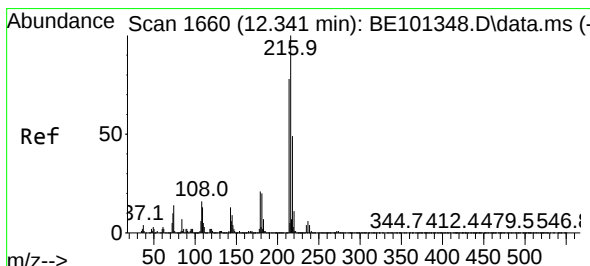
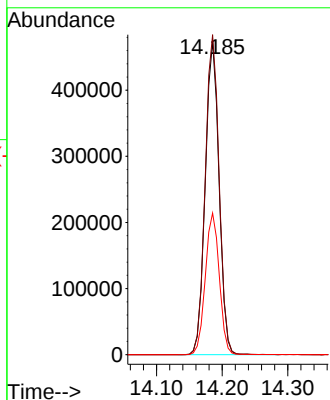
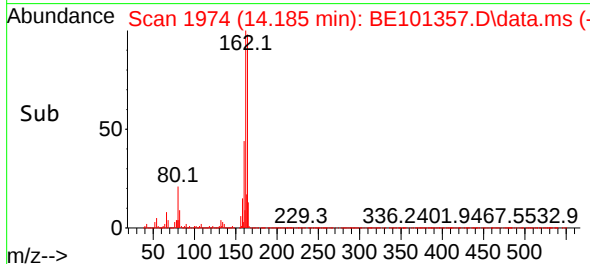
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



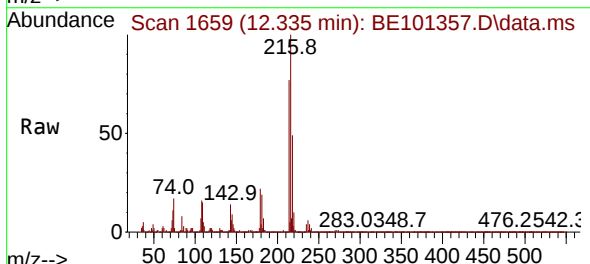
Tgt Ion:164 Resp: 691430
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 45.2 36.1 54.1

Manual Integrations
APPROVED

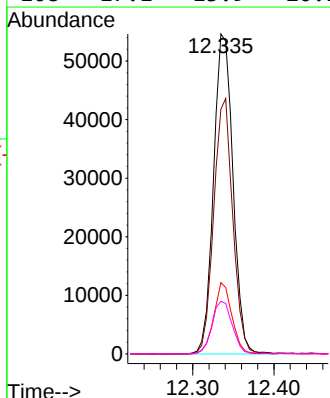
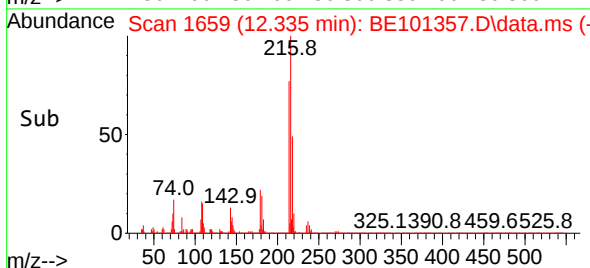
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

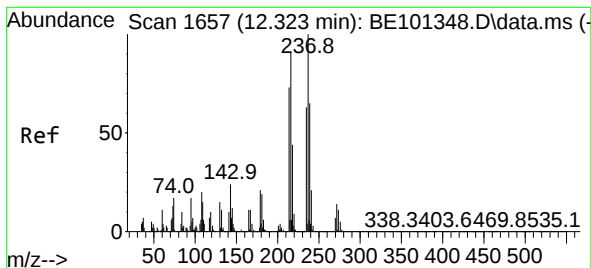


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.451 ng
RT: 12.335 min Scan# 1659
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



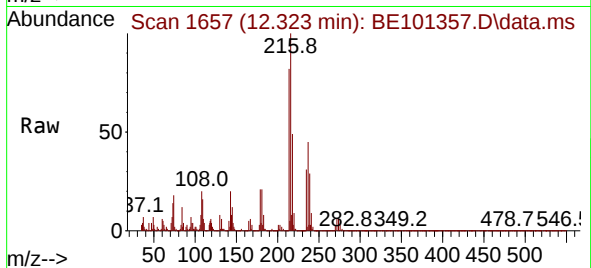
Tgt Ion:216 Resp: 90800
Ion Ratio Lower Upper
216 100
214 78.3 62.6 94.0
179 20.8 16.9 25.3
108 17.1 13.9 20.9





#41
Hexachlorocyclopentadiene
Concen: 2.636 ng
RT: 12.323 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

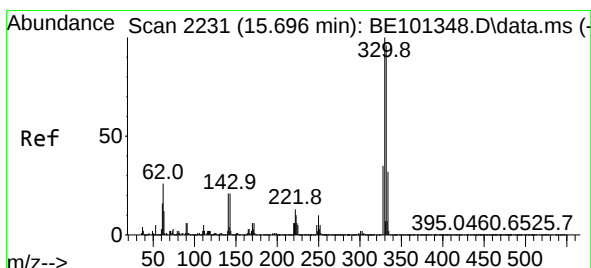
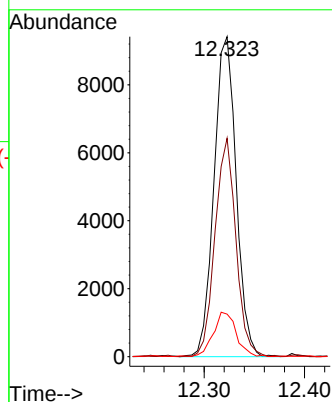
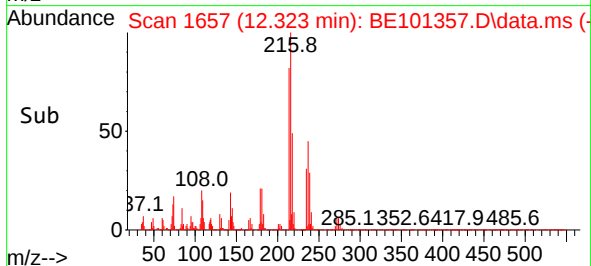
Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 237 Resp: 14420
Ion Ratio Lower Upper
237 100
235 68.2 42.9 82.9
272 13.3 0.0 34.0

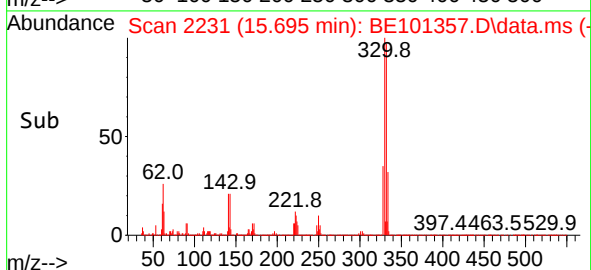
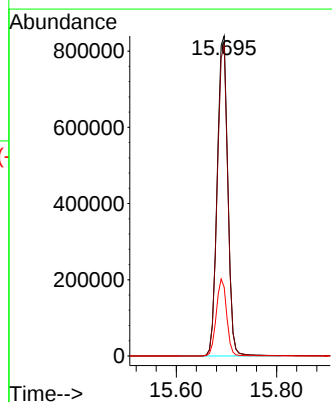
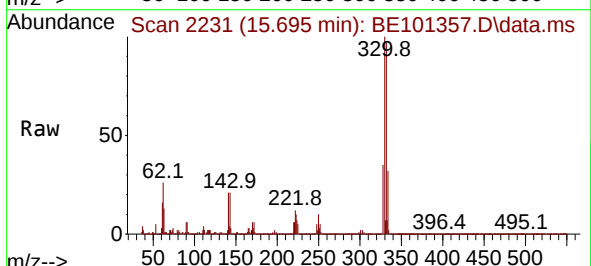
Manual Integrations
APPROVED

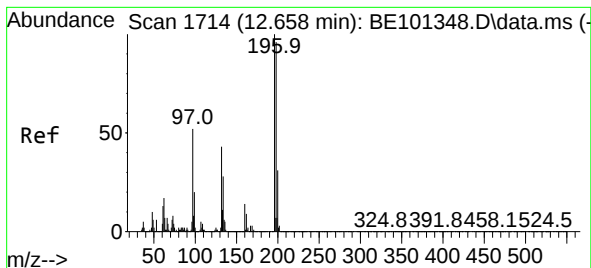
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#42
2,4,6-Tribromophenol
Concen: 105.449 ng
RT: 15.695 min Scan# 2231
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 330 Resp: 1226324
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 23.7 19.1 28.7





#43

2,4,6-Trichlorophenol

Concen: 4.771 ng

RT: 12.658 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

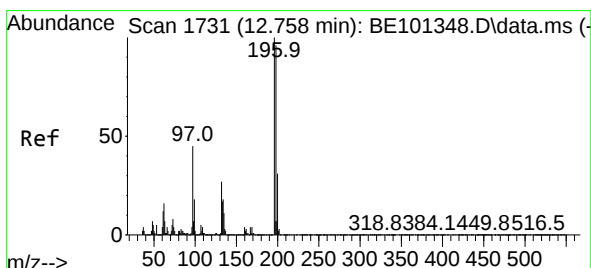
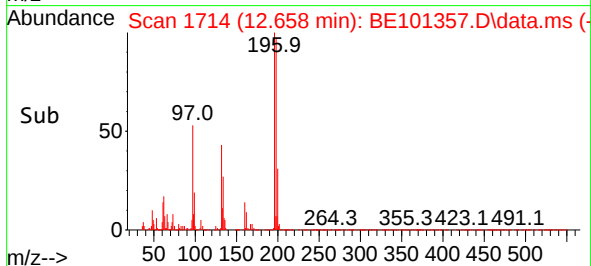
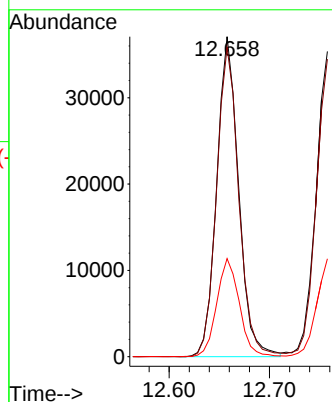
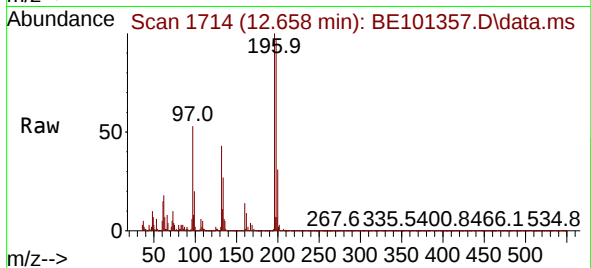
LOQ-SOIL-02-QT2-2024

Tgt Ion:196	Resp:	56278
Ion Ratio	Lower	Upper
196	100	
198	96.7	76.8 115.2
200	30.7	25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#44

2,4,5-Trichlorophenol

Concen: 4.746 ng

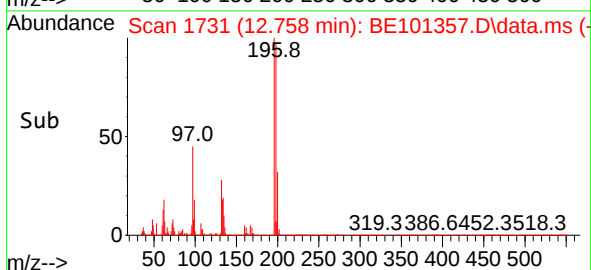
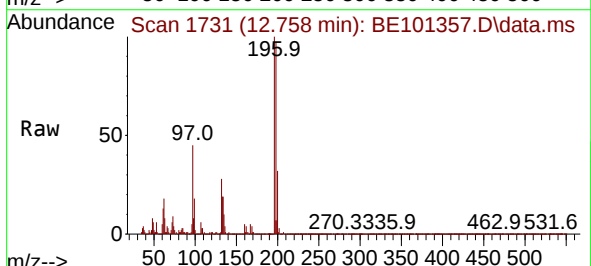
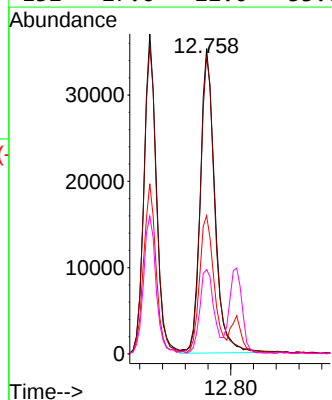
RT: 12.758 min Scan# 1731

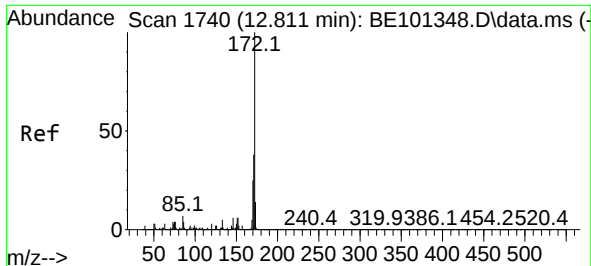
Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

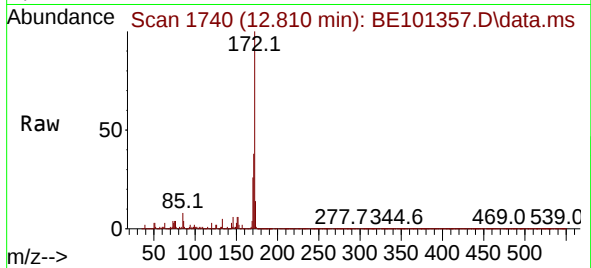
Tgt Ion:196	Resp:	63162
Ion Ratio	Lower	Upper
196	100	
198	97.4	76.9 115.3
97	45.3	36.2 54.2
132	27.6	22.0 33.0





#45
2-Fluorobiphenyl
Concen: 77.581 ng
RT: 12.810 min Scan# 1740
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

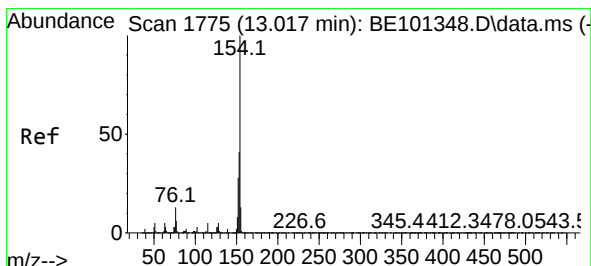
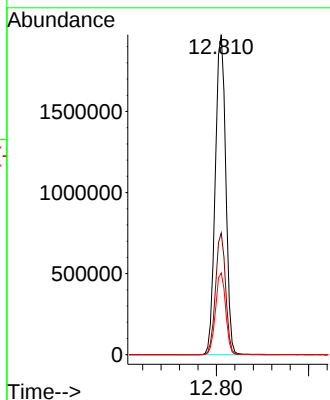
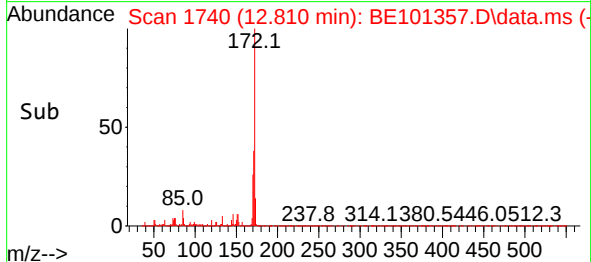
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



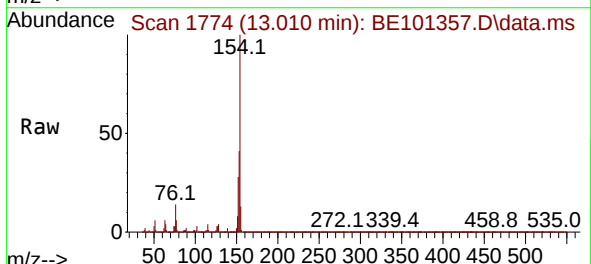
Tgt Ion:172 Resp: 310416
Ion Ratio Lower Upper
172 100
171 38.0 30.2 45.2
170 25.6 20.2 30.4

Manual Integrations
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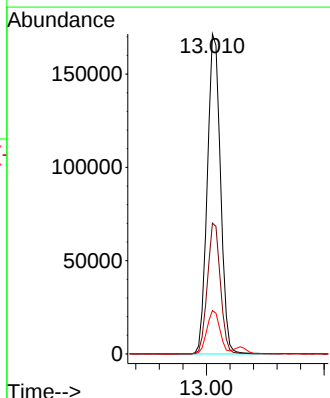
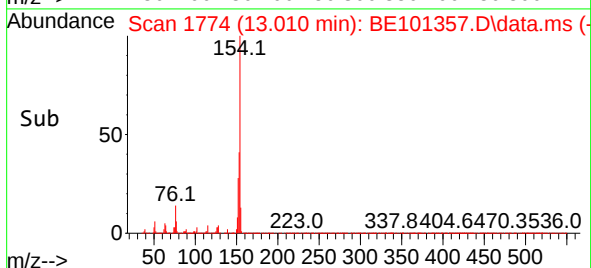
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

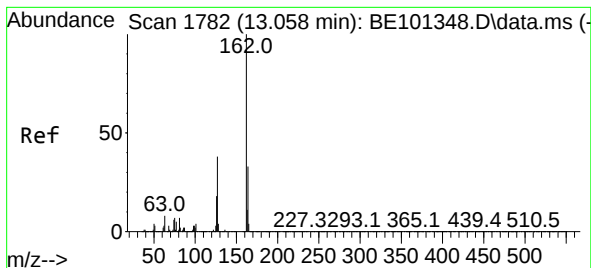


#46
1,1'-Biphenyl
Concen: 5.678 ng
RT: 13.010 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



Tgt Ion:154 Resp: 266063
Ion Ratio Lower Upper
154 100
153 40.9 21.2 61.2
76 13.5 0.0 33.4





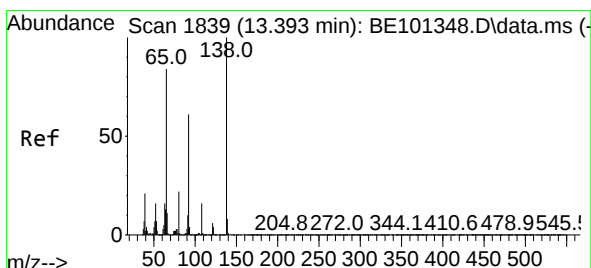
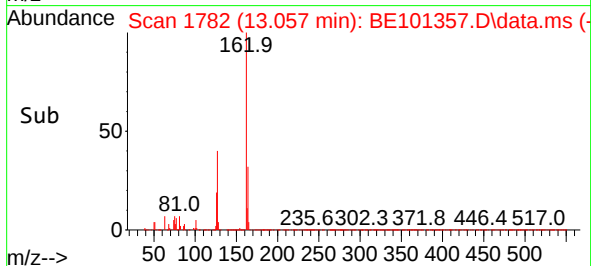
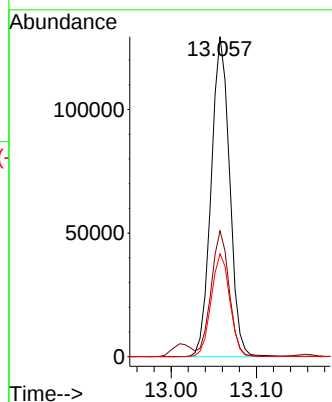
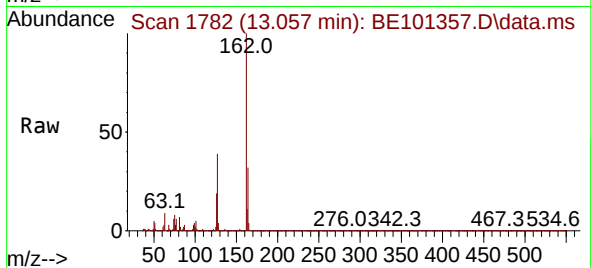
#47
2-Chloronaphthalene
Concen: 5.288 ng
RT: 13.057 min Scan# 1782
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion: 162 Resp: 19490
Ion Ratio Lower Upper
162 100
127 39.3 31.2 46.8
164 32.2 26.2 39.2

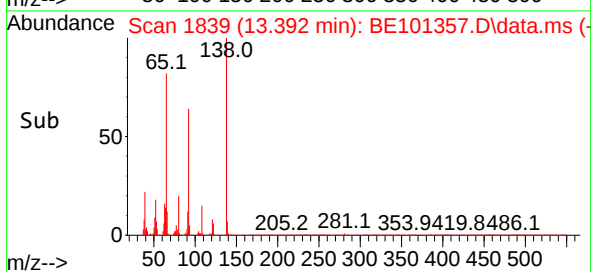
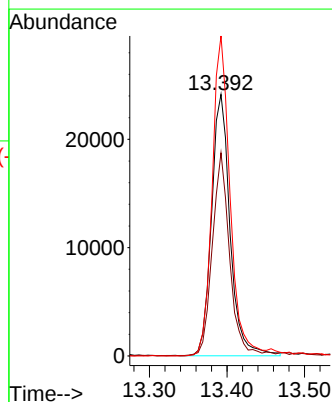
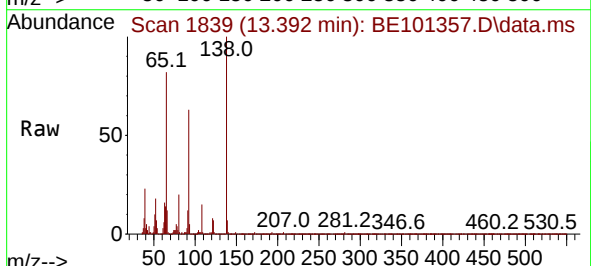
Manual Integrations
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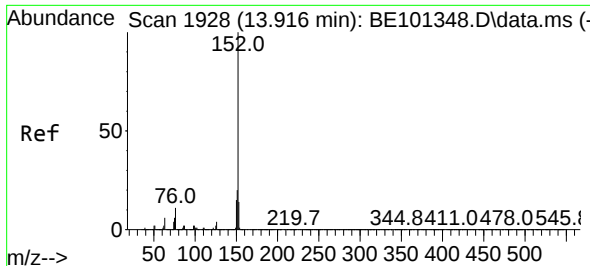
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#48
2-Nitroaniline
Concen: 4.047 ng
RT: 13.392 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 65 Resp: 40128
Ion Ratio Lower Upper
65 100
92 77.7 58.3 87.5
138 122.3 95.0 142.4





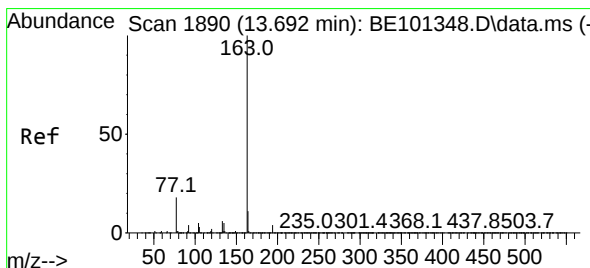
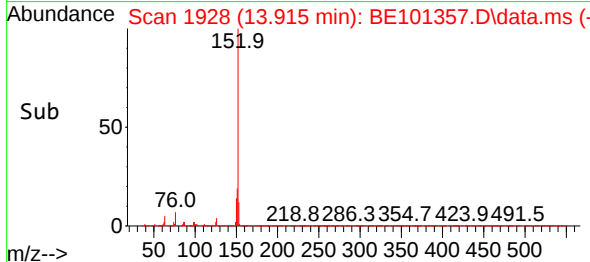
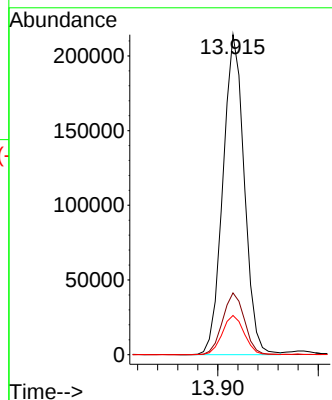
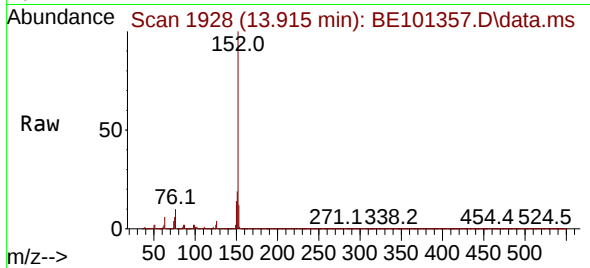
#49
Acenaphthylene
Concen: 5.746 ng
RT: 13.915 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:152 Resp: 31602
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 12.2 11.1 16.7

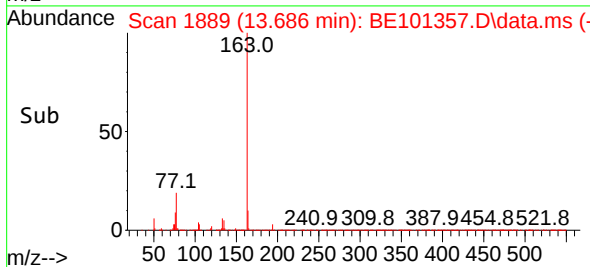
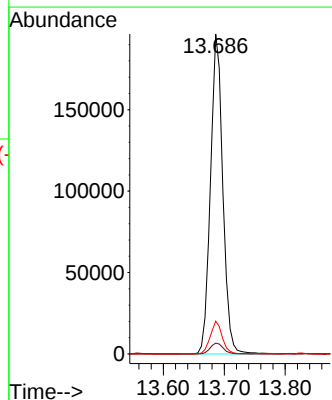
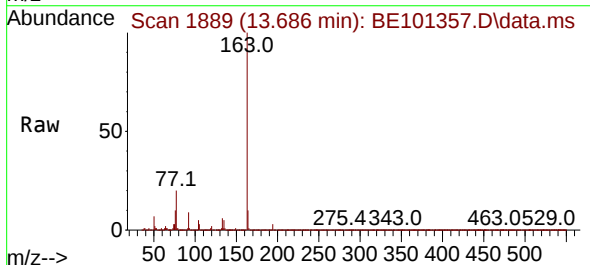
Manual Integrations
APPROVED

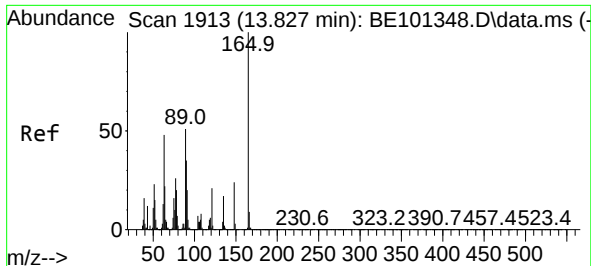
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#50
Dimethylphthalate
Concen: 5.547 ng
RT: 13.686 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

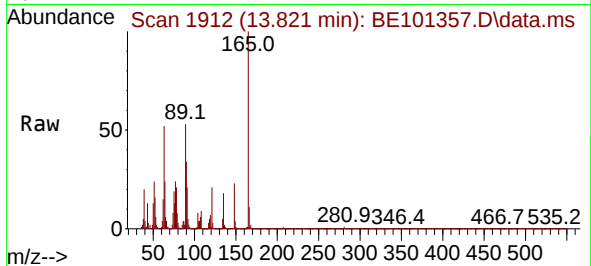
Tgt Ion:163 Resp: 276771
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.3 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 4.657 ng
RT: 13.821 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

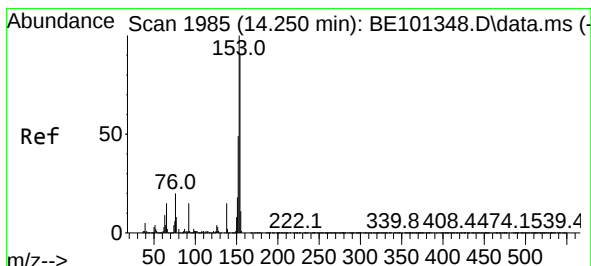
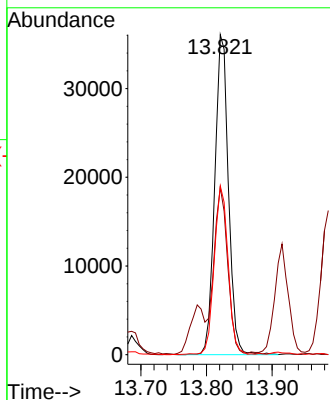
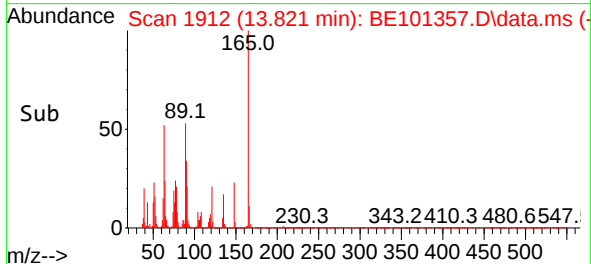
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



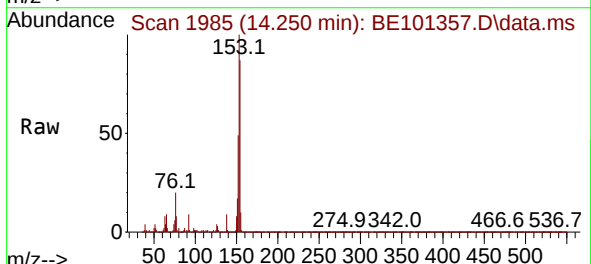
Tgt Ion:165 Resp: 52000
Ion Ratio Lower Upper
165 100
63 52.3 38.5 57.7
89 52.8 40.5 60.7

Manual Integrations
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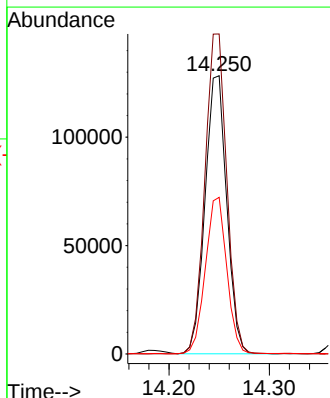
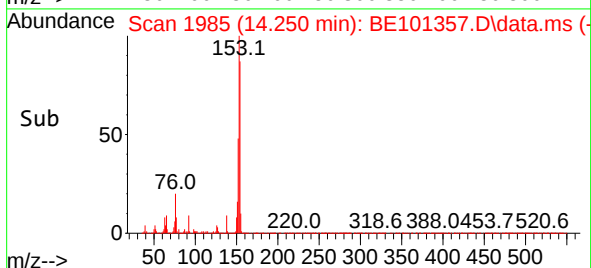
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

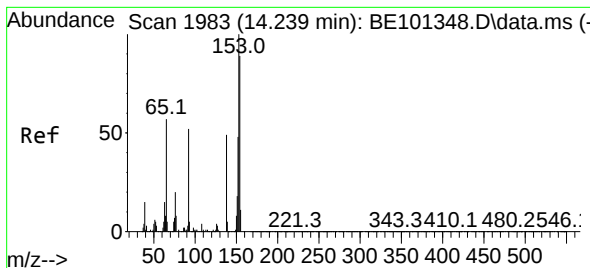


#52
Acenaphthene
Concen: 5.321 ng
RT: 14.250 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



Tgt Ion:154 Resp: 192911
Ion Ratio Lower Upper
154 100
153 115.0 88.8 133.2
152 56.3 43.2 64.8





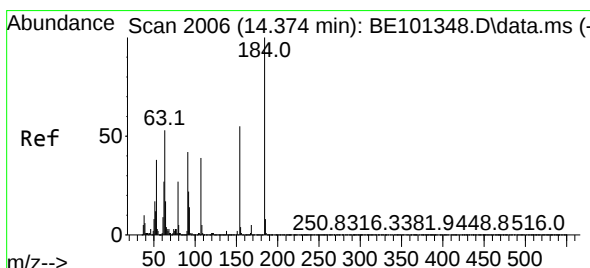
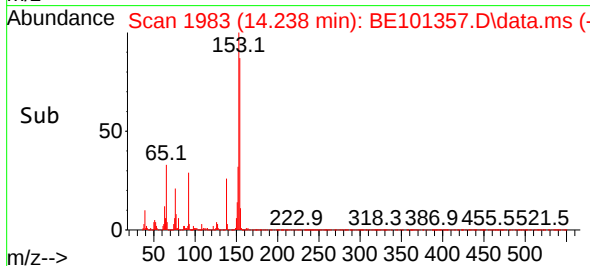
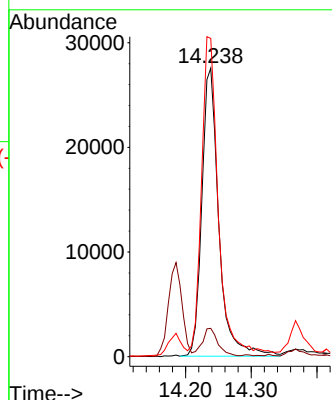
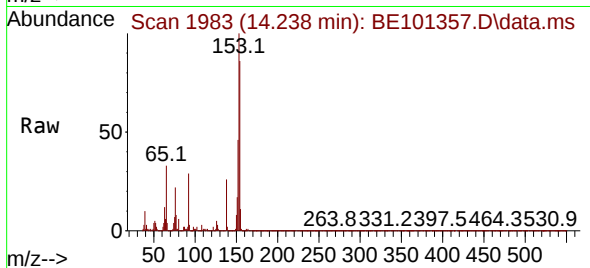
#53
3-Nitroaniline
Concen: 4.319 ng
RT: 14.238 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:138 Resp: 49604
Ion Ratio Lower Upper
138 100
108 9.8 7.2 10.8
92 110.3 85.7 128.5

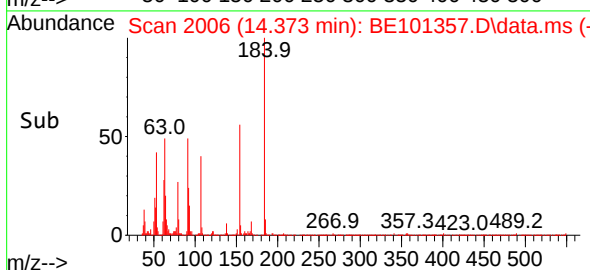
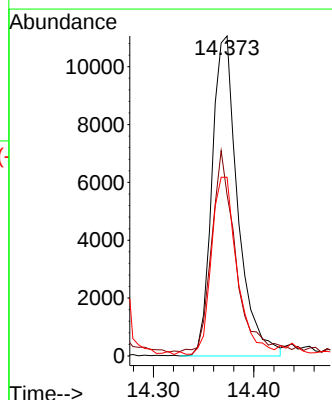
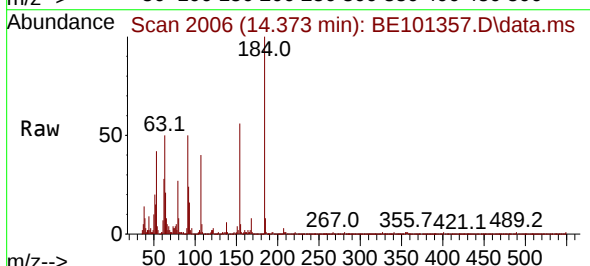
Manual Integrations
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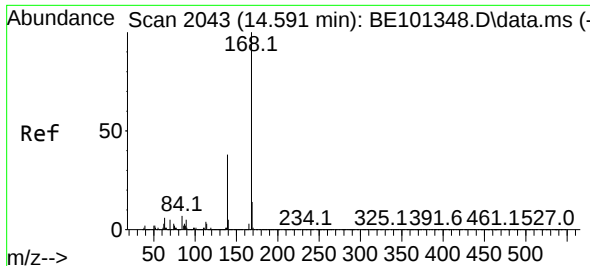
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#54
2,4-Dinitrophenol
Concen: 2.970 ng
RT: 14.373 min Scan# 2006
Delta R.T. -0.001 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:184 Resp: 19739
Ion Ratio Lower Upper
184 100
63 50.3 42.5 63.7
154 55.8 44.2 66.2





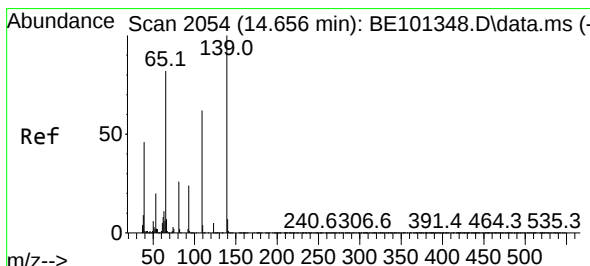
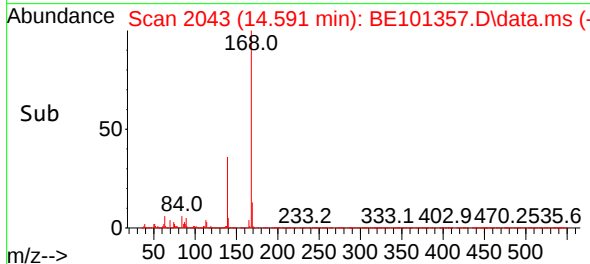
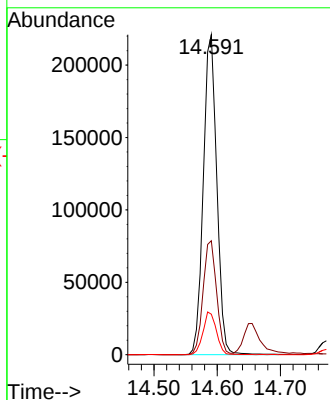
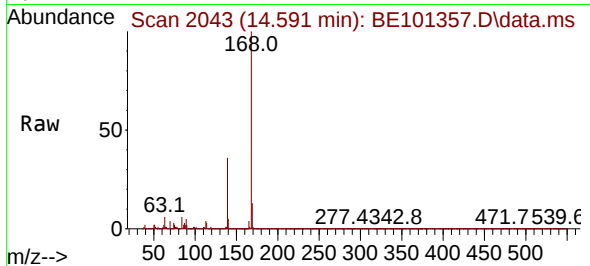
#55
Dibenzofuran
Concen: 5.695 ng
RT: 14.591 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:168 Resp: 326134
Ion Ratio Lower Upper
168 100
139 35.6 30.5 45.7
169 12.6 11.4 17.2

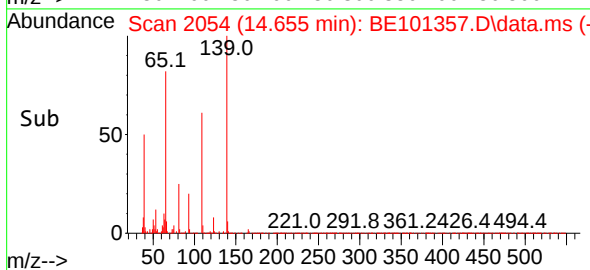
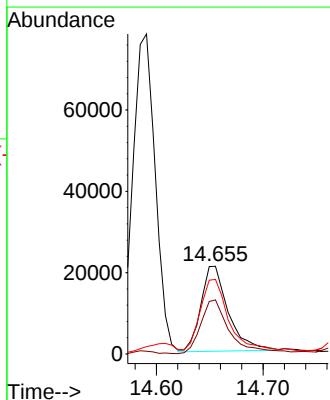
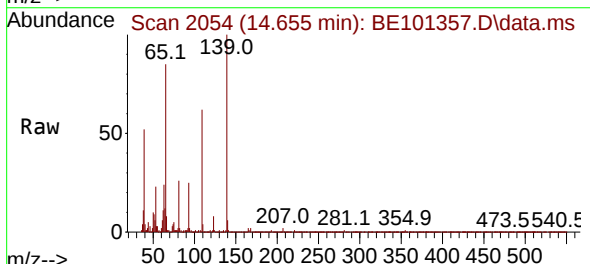
Manual Integrations
APPROVED

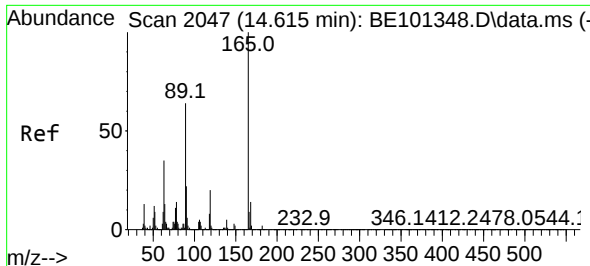
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#56
4-Nitrophenol
Concen: 3.919 ng
RT: 14.655 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:139 Resp: 37421
Ion Ratio Lower Upper
139 100
109 61.7 41.9 81.9
65 85.1 63.0 103.0





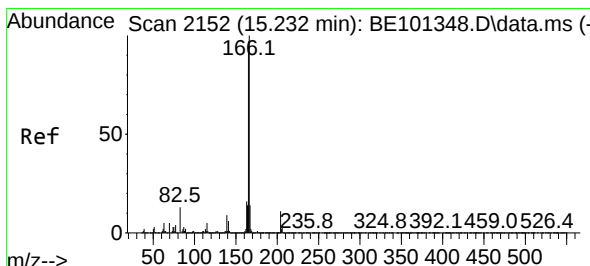
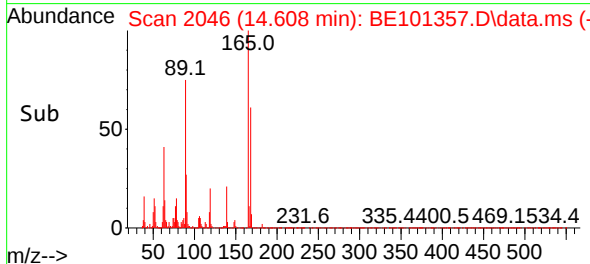
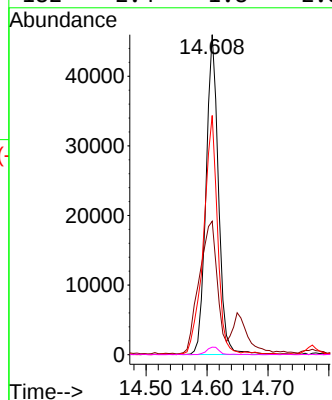
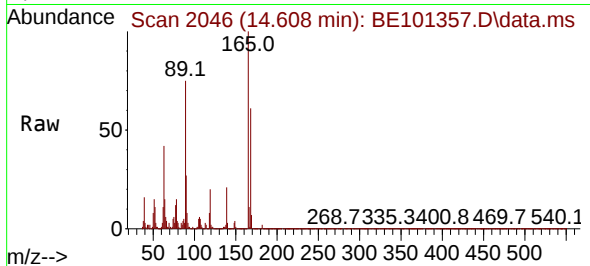
#57
2,4-Dinitrotoluene
Concen: 4.282 ng
RT: 14.608 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 65088
Ion Ratio Lower Upper
165 100
63 41.7 28.4 42.6
89 74.7 51.0 76.4
182 2.4 1.8 2.8

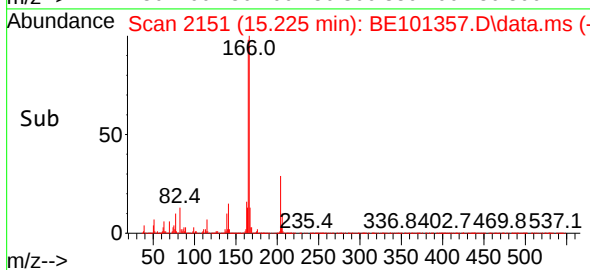
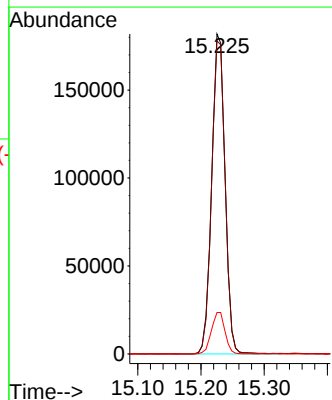
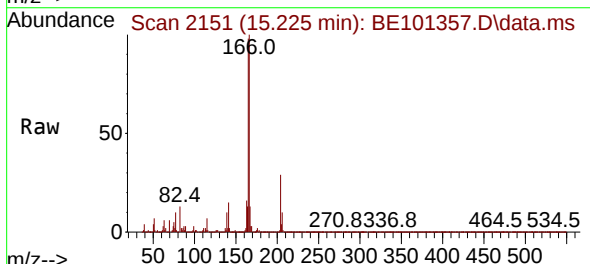
Manual Integrations
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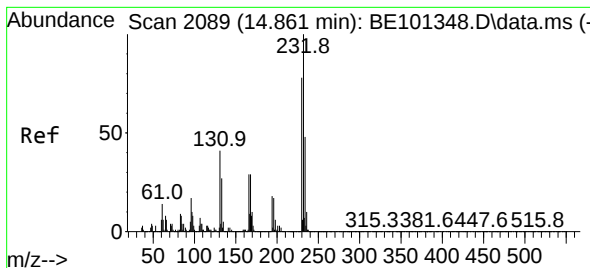
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#58
Fluorene
Concen: 5.523 ng
RT: 15.225 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

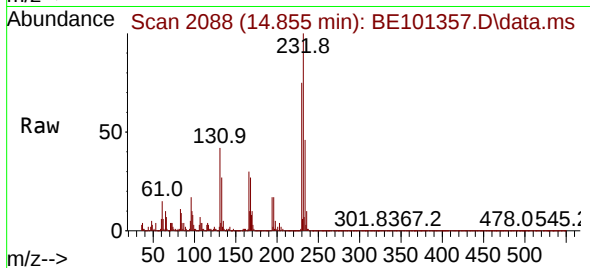
Tgt Ion:166 Resp: 266491
Ion Ratio Lower Upper
166 100
165 97.8 77.8 116.8
167 13.0 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.198 ng
RT: 14.855 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

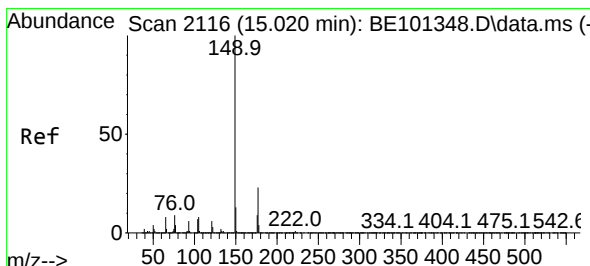
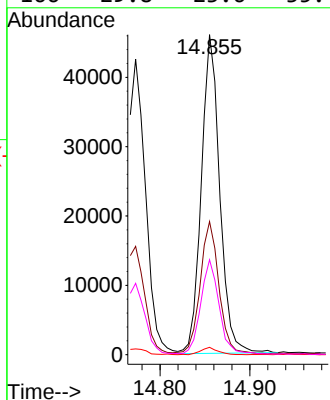
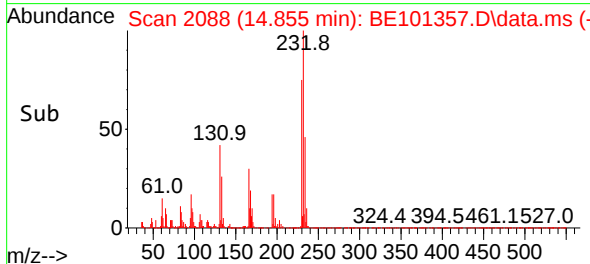
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



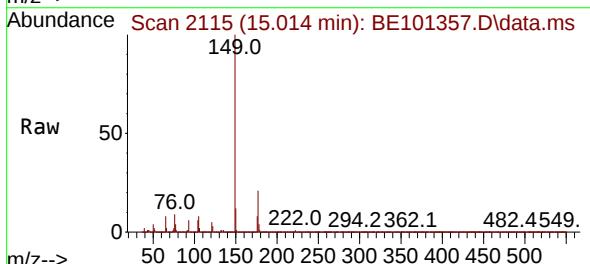
Tgt Ion: 232 Resp: 65421
Ion Ratio Lower Upper
232 100
131 42.6 34.2 51.4
130 2.1 1.8 2.6
166 29.8 23.6 35.4

Manual Integrations
APPROVED

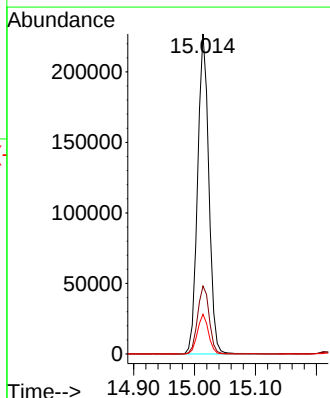
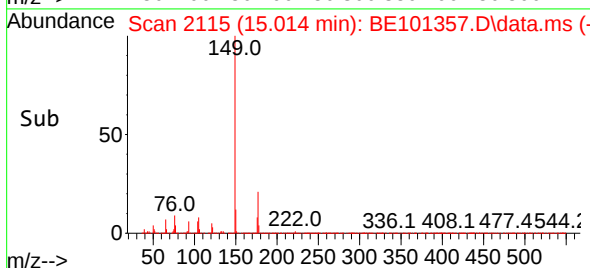
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024

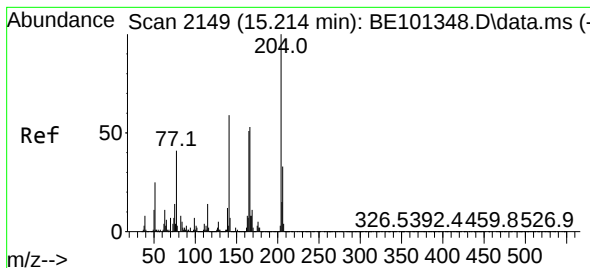


#60
Diethylphthalate
Concen: 5.600 ng
RT: 15.014 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



Tgt Ion: 149 Resp: 289879
Ion Ratio Lower Upper
149 100
177 21.2 18.4 27.6
150 12.4 10.0 15.0





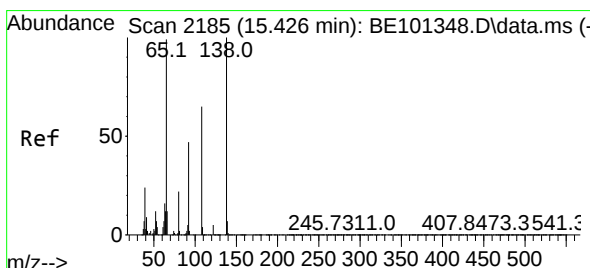
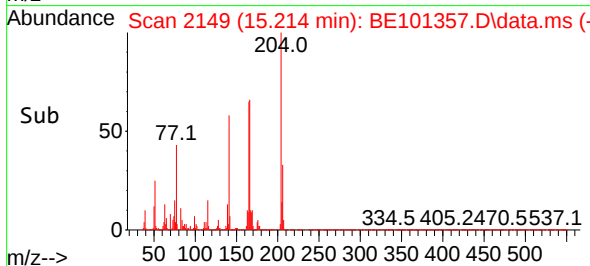
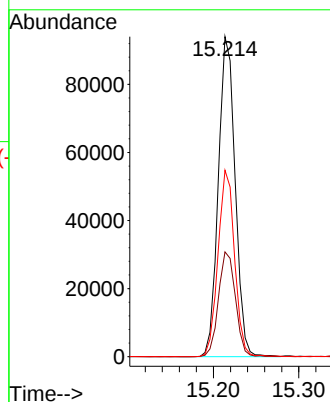
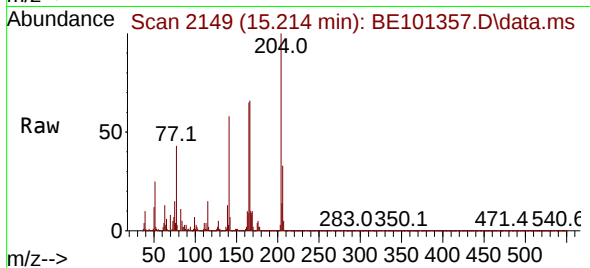
#61
4-Chlorophenyl-phenylether
Concen: 5.441 ng
RT: 15.214 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:204 Resp: 128784
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 58.2 47.2 70.8

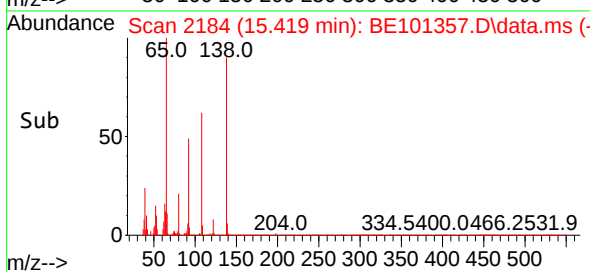
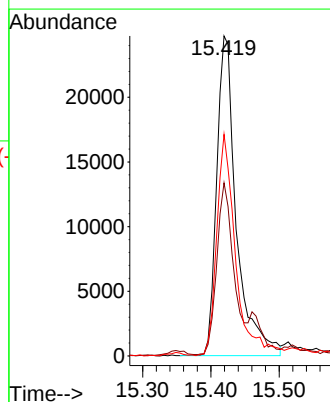
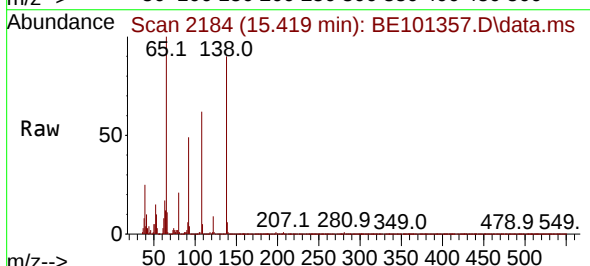
Manual Integrations
APPROVED

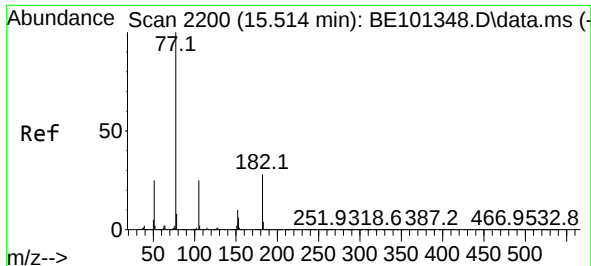
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#62
4-Nitroaniline
Concen: 4.145 ng
RT: 15.419 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

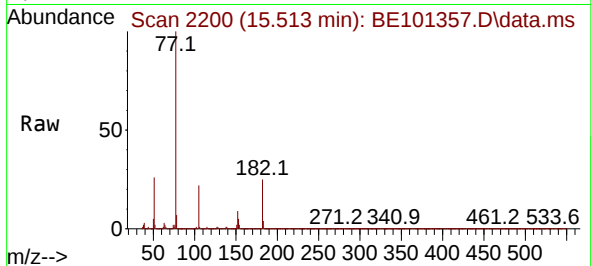
Tgt Ion:138 Resp: 49618
Ion Ratio Lower Upper
138 100
92 54.1 26.8 66.8
108 69.3 44.7 84.7





#63
Azobenzene
Concen: 5.604 ng
RT: 15.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

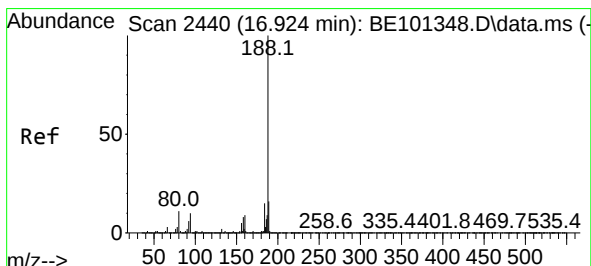
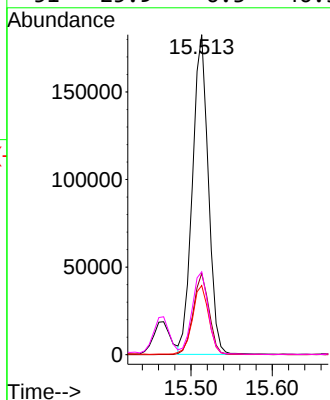
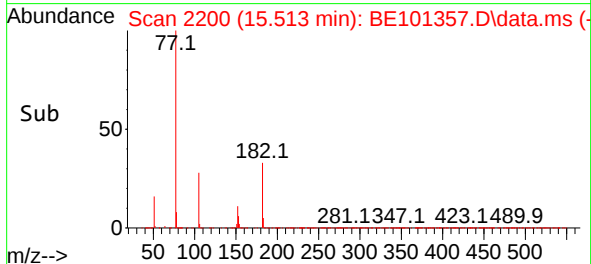
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



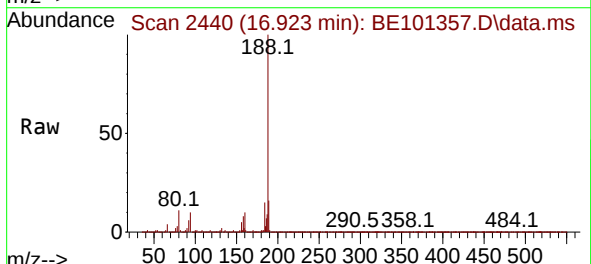
Tgt Ion: 77 Resp: 24789
Ion Ratio Lower Upper
77 100
182 25.4 7.8 47.8
105 21.6 4.3 44.3
51 25.9 6.3 46.3

Manual Integrations
APPROVED

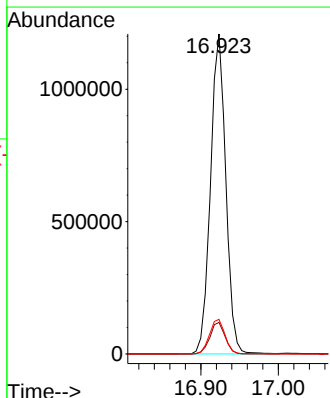
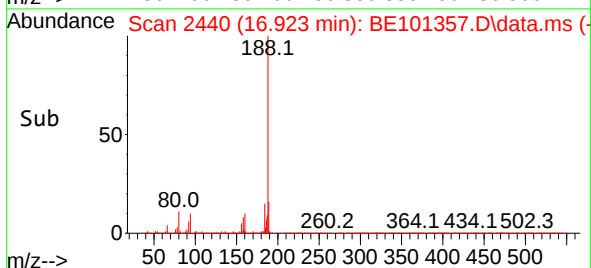
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

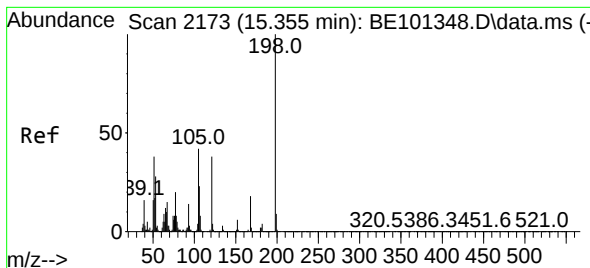


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.923 min Scan# 2440
Delta R.T. -0.001 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09



Tgt Ion:188 Resp: 1655965
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.8 8.6 13.0





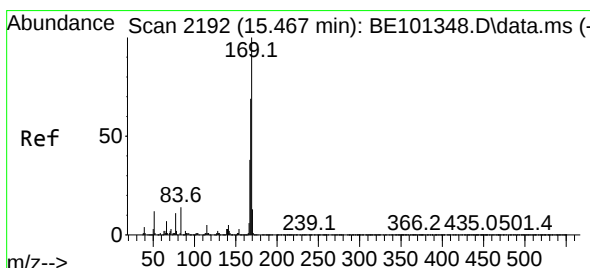
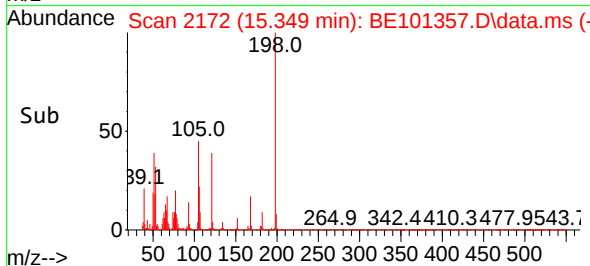
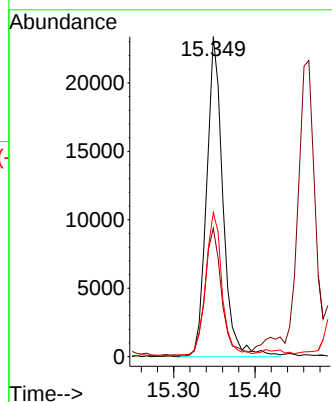
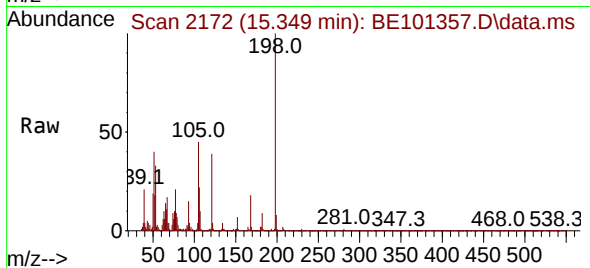
#65
4,6-Dinitro-2-methylphenol
Concen: 3.470 ng
RT: 15.349 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:198 Resp: 3262
Ion Ratio Lower Upper
198 100
51 40.1 18.1 58.1
105 45.0 22.0 62.0

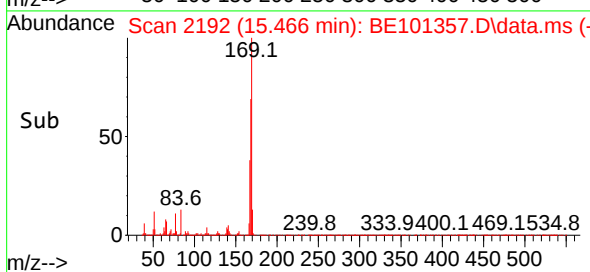
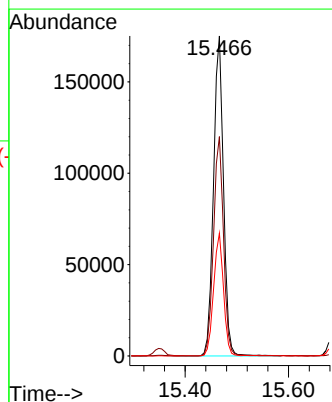
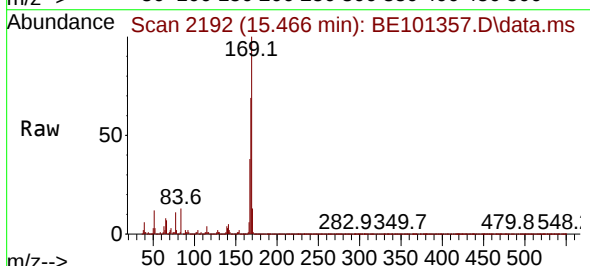
Manual Integrations
APPROVED

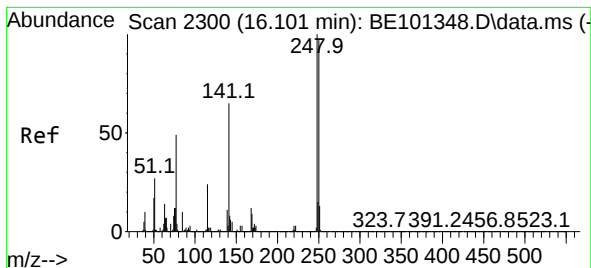
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#66
n-Nitrosodiphenylamine
Concen: 5.310 ng
RT: 15.466 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:169 Resp: 234363
Ion Ratio Lower Upper
169 100
168 68.5 55.1 82.7
167 38.3 30.5 45.7





#67

4-Bromophenyl-phenylether

Concen: 5.114 ng

RT: 16.107 min Scan# 2301

Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

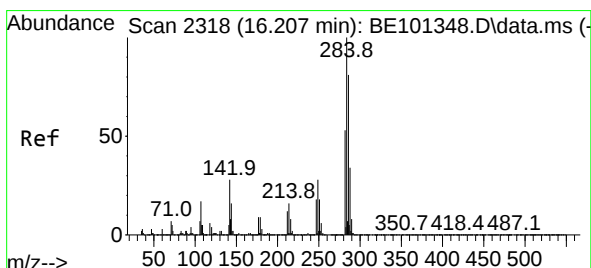
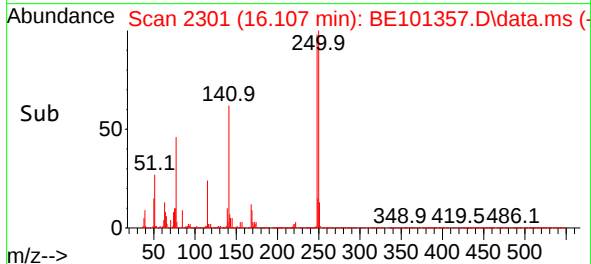
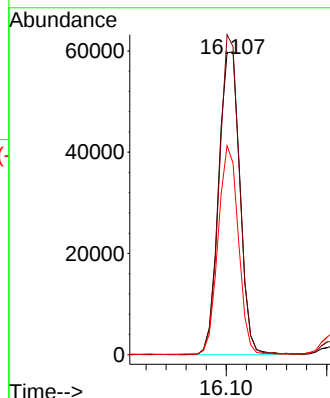
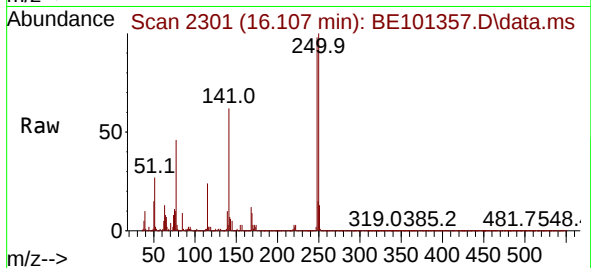
LOQ-SOIL-02-QT2-2024

Tgt Ion:	248	Resp:	8797
Ion Ratio	Lower	Upper	
248	100		
250	101.8	77.7	116.5
141	63.3	51.8	77.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#68

Hexachlorobenzene

Concen: 5.146 ng

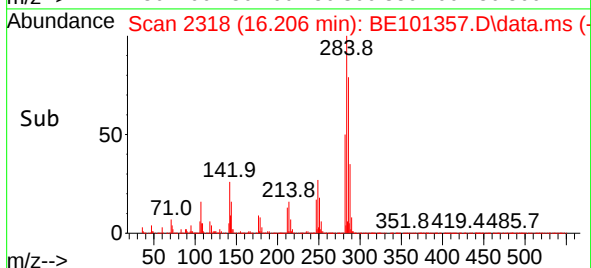
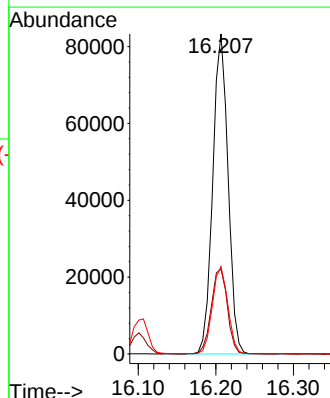
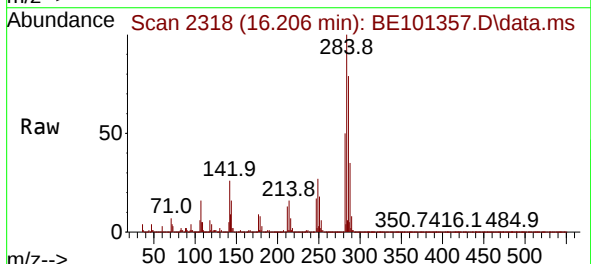
RT: 16.206 min Scan# 2318

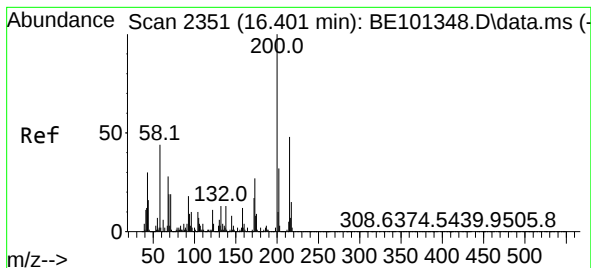
Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:	284	Resp:	114407
Ion Ratio	Lower	Upper	
284	100		
142	26.5	22.1	33.1
249	30.4	22.7	34.1





#69

Atrazine

Concen: 6.073 ng

RT: 16.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

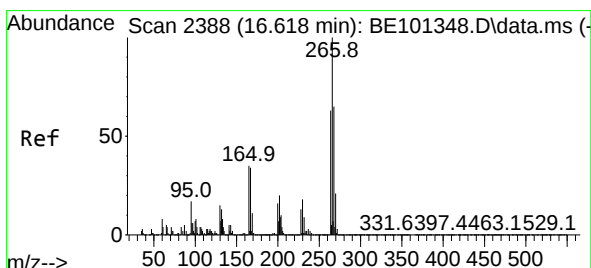
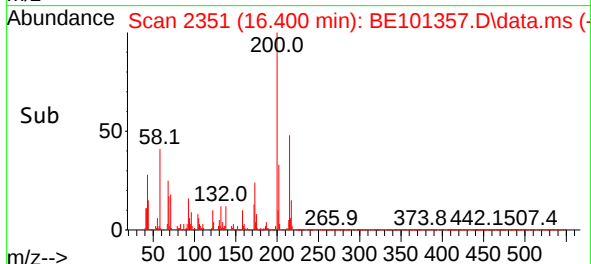
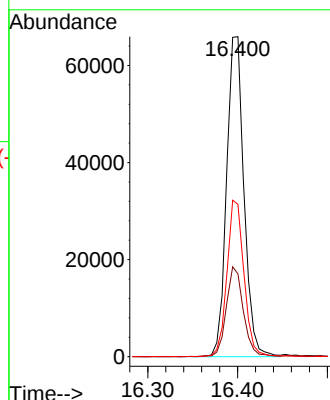
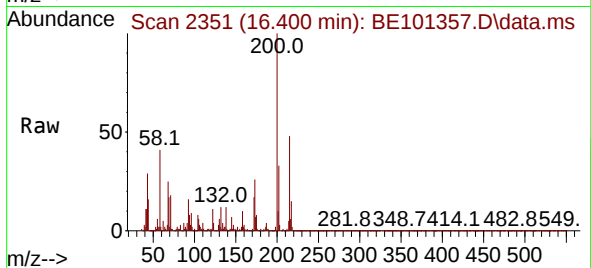
LOQ-SOIL-02-QT2-2024

Tgt Ion:	200	Resp:	8852
Ion Ratio	Lower	Upper	
200	100		
173	25.8	6.9	46.9
215	47.6	27.8	67.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#70

Pentachlorophenol

Concen: 3.880 ng

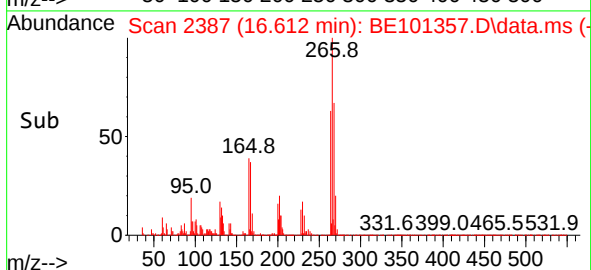
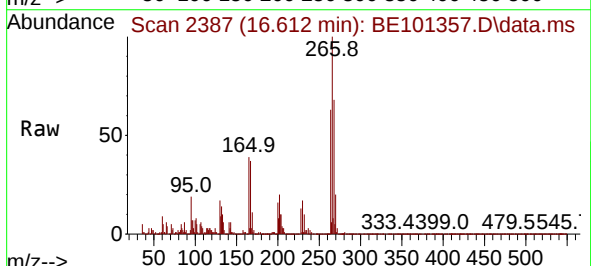
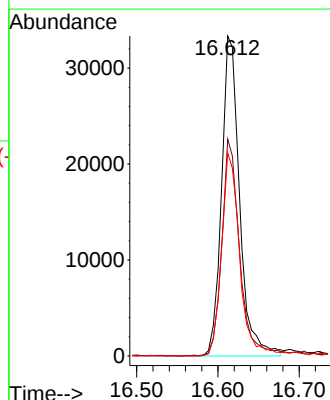
RT: 16.612 min Scan# 2387

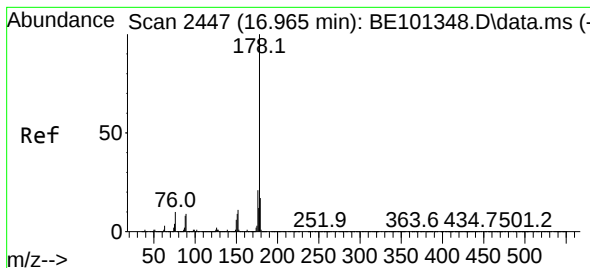
Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:	266	Resp:	51536
Ion Ratio	Lower	Upper	
266	100		
268	67.7	52.2	78.4
264	63.5	50.5	75.7





#71

Phenanthrene

Concen: 5.824 ng

RT: 16.964 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

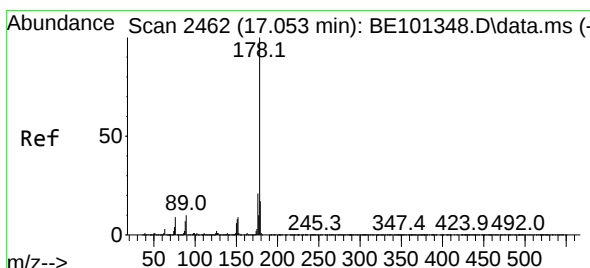
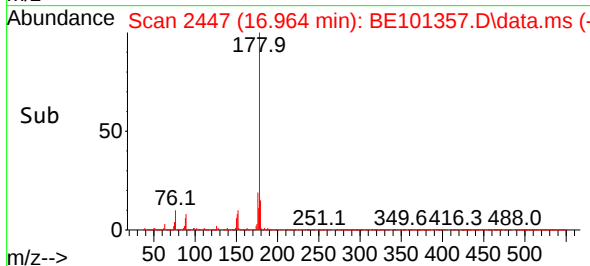
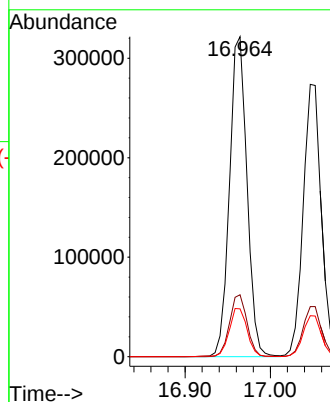
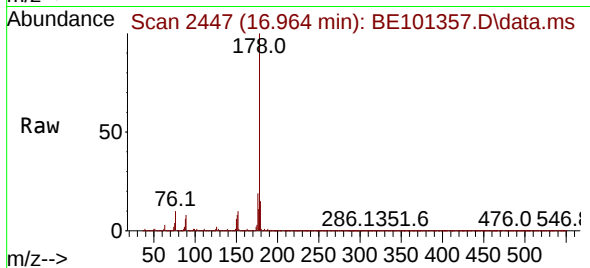
LOQ-SOIL-02-QT2-2024

Tgt Ion:178	Resp: 458019
Ion Ratio	Lower Upper
178 100	
176 19.4	16.8 25.2
179 15.0	13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#72

Anthracene

Concen: 5.356 ng

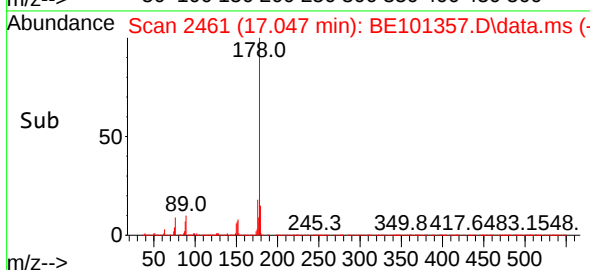
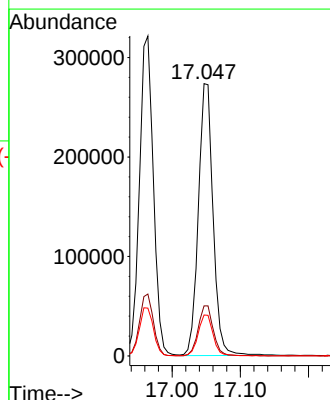
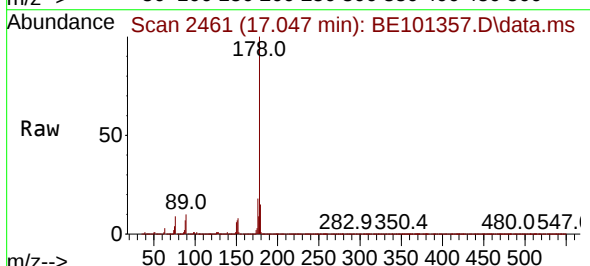
RT: 17.047 min Scan# 2461

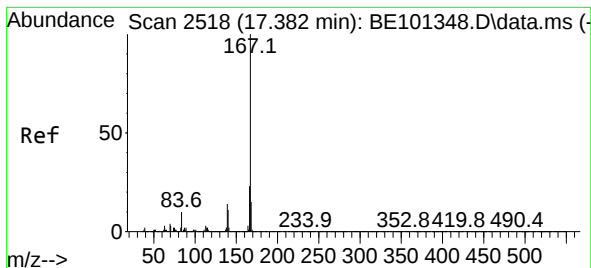
Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:178	Resp: 409929
Ion Ratio	Lower Upper
178 100	
176 18.4	16.4 24.6
179 15.0	13.4 20.0





#73

Carbazole

Concen: 5.493 ng

RT: 17.382 min Scan# 2518

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

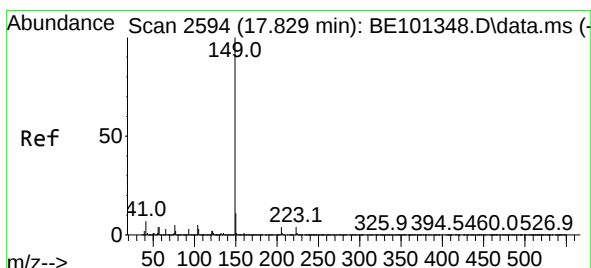
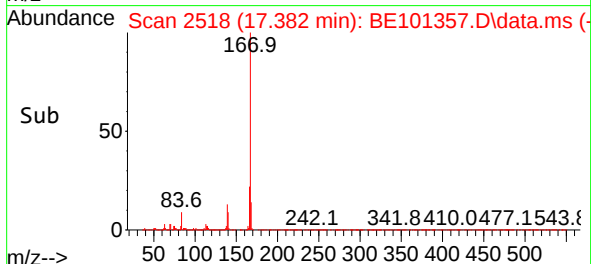
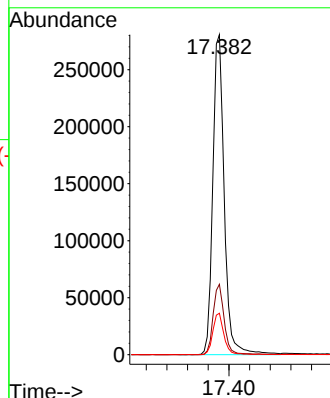
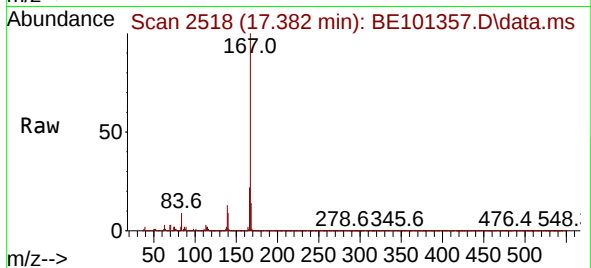
LOQ-SOIL-02-QT2-2024

Tgt Ion:	167	Resp:	43084
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.4	27.6
139	12.9	11.1	16.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#74

Di-n-butylphthalate

Concen: 6.037 ng

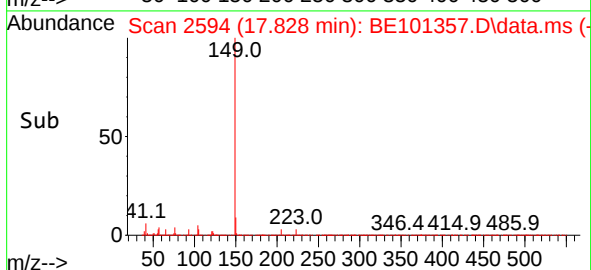
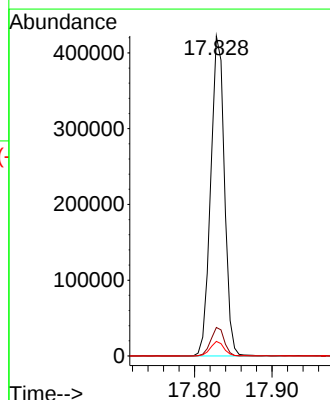
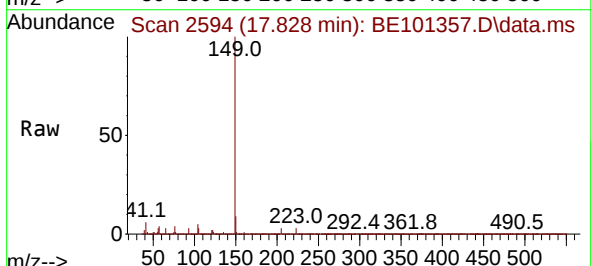
RT: 17.828 min Scan# 2594

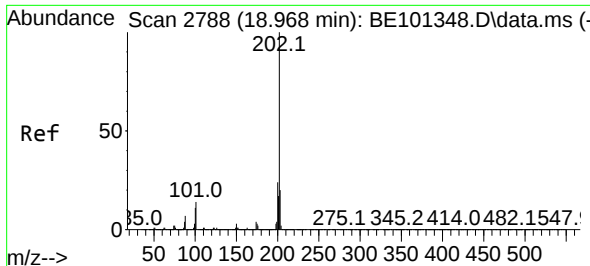
Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

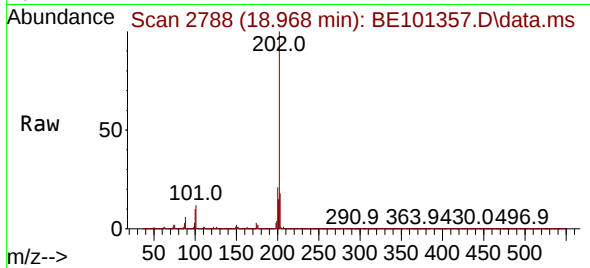
Tgt Ion:	149	Resp:	519903
Ion Ratio	Lower	Upper	
149	100		
150	8.9	9.0	13.6
104	4.6	4.4	6.6





#75
Fluoranthene
Concen: 5.992 ng
RT: 18.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

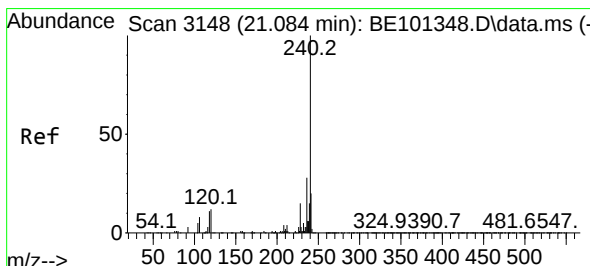
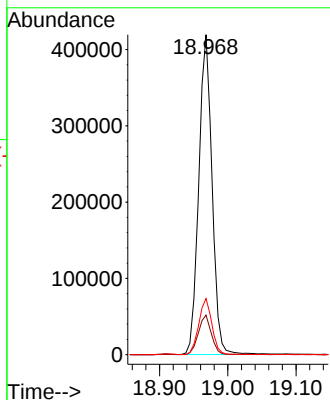
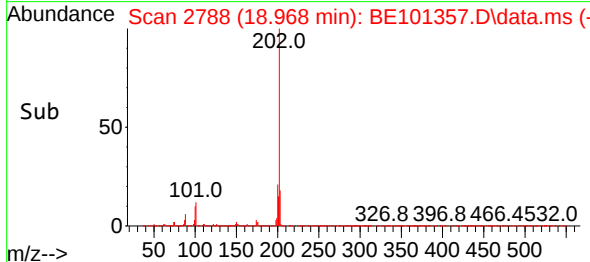
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:202 Resp: 567364
Ion Ratio Lower Upper
202 100
101 12.4 0.0 34.2
203 17.6 0.4 40.4

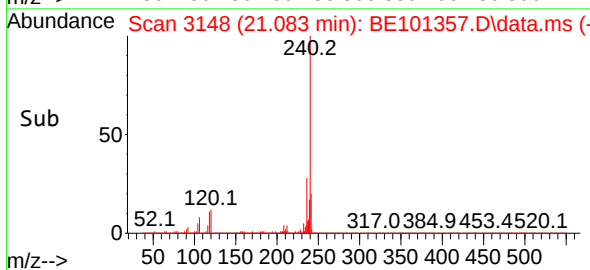
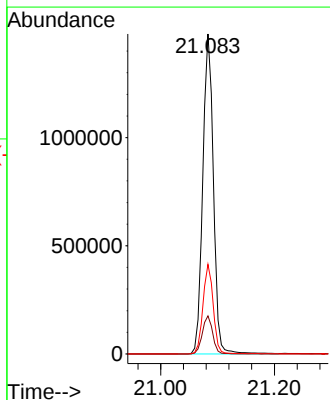
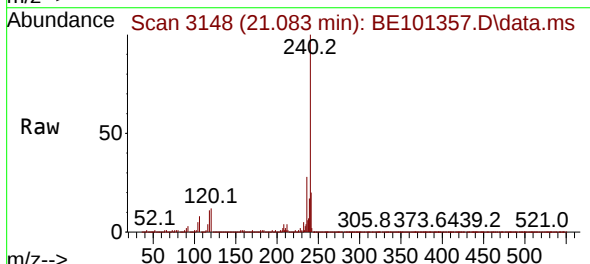
Manual Integrations
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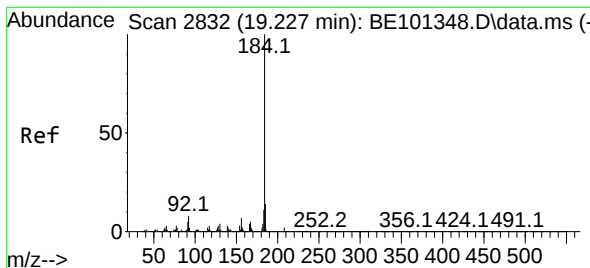
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.083 min Scan# 3148
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:240 Resp: 1916083
Ion Ratio Lower Upper
240 100
120 11.9 9.8 14.8
236 28.0 22.1 33.1





#77

Benzidine

Concen: 2.462 ng

RT: 19.227 min Scan# 2832

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

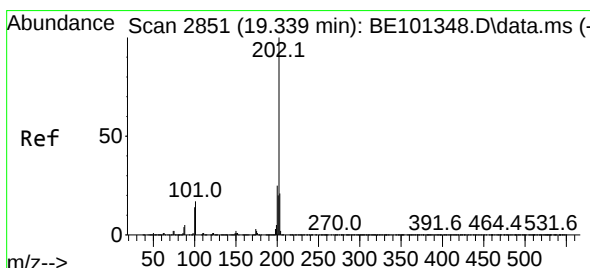
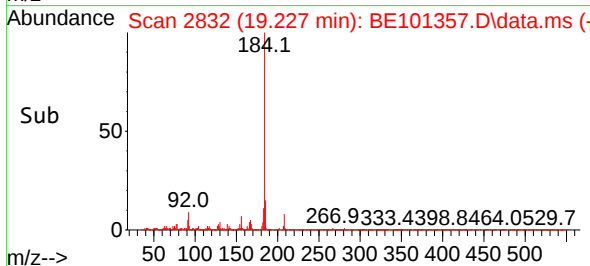
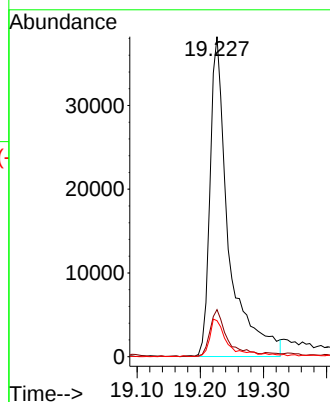
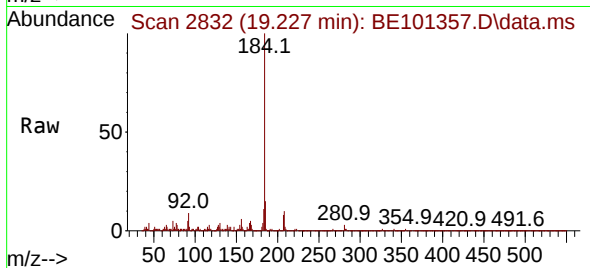
LOQ-SOIL-02-QT2-2024

Tgt Ion:	184	Resp:	7829
Ion Ratio	Lower	Upper	
184	100		
185	14.7	11.4	17.2
183	11.2	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#78

Pyrene

Concen: 5.683 ng

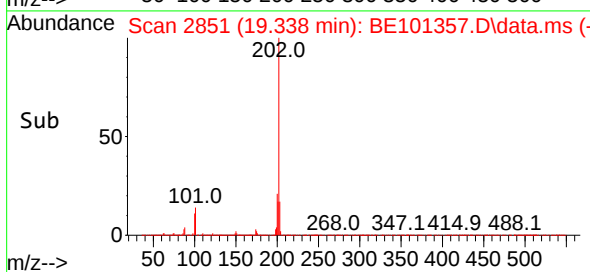
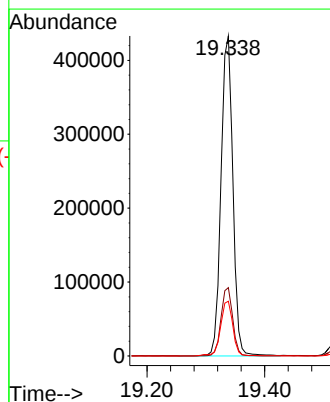
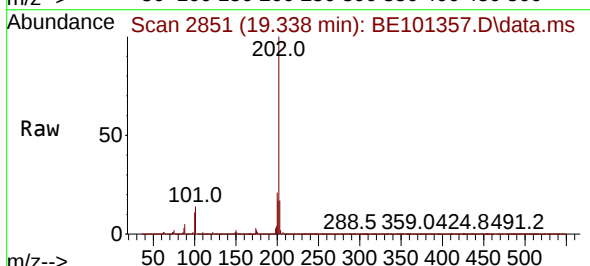
RT: 19.338 min Scan# 2851

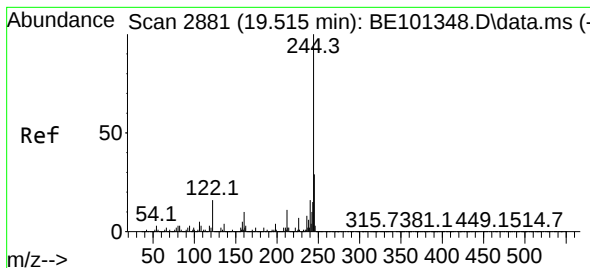
Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:	202	Resp:	605591
Ion Ratio	Lower	Upper	
202	100		
200	21.3	20.2	30.2
203	17.1	16.6	25.0





#79

Terphenyl-d14

Concen: 59.873 ng

RT: 19.520 min Scan# 2881

Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:244 Resp: 517383

Ion Ratio Lower Upper

244 100

212 11.4 8.5 12.7

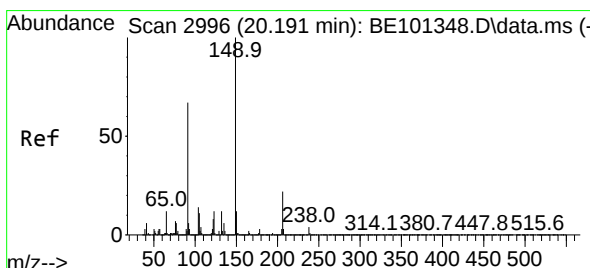
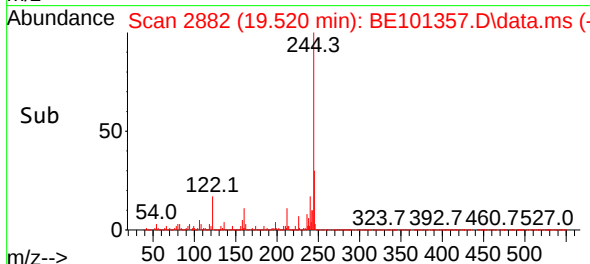
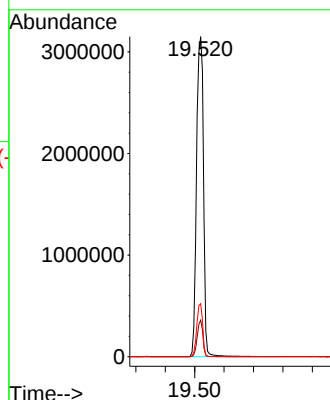
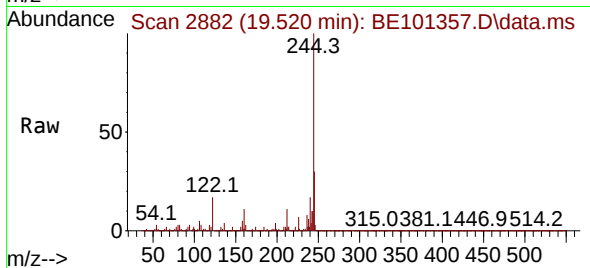
122 16.5 13.1 19.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#80

Butylbenzylphthalate

Concen: 5.562 ng

RT: 20.190 min Scan# 2996

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

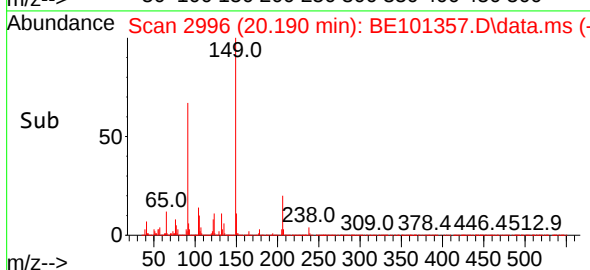
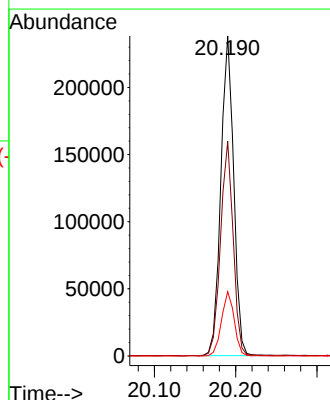
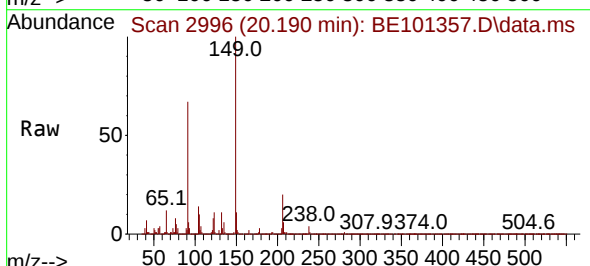
Tgt Ion:149 Resp: 262381

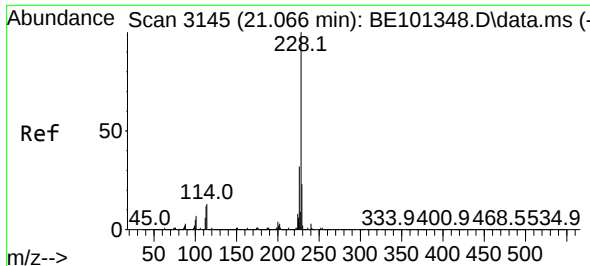
Ion Ratio Lower Upper

149 100

91 67.1 53.4 80.2

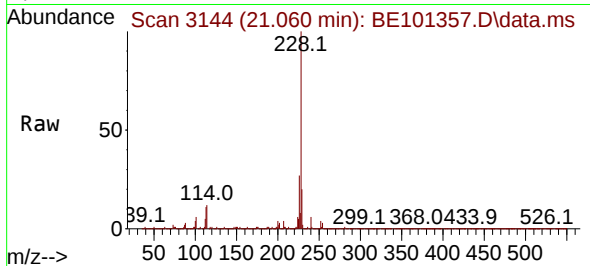
206 20.1 17.4 26.0





#81
Benzo(a)anthracene
Concen: 6.118 ng
RT: 21.060 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

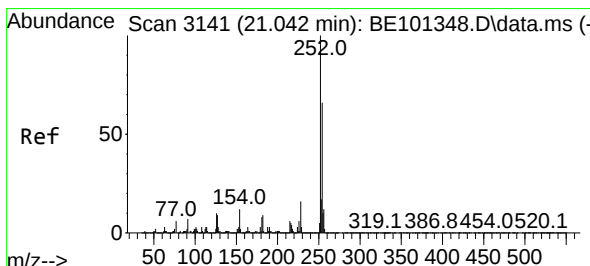
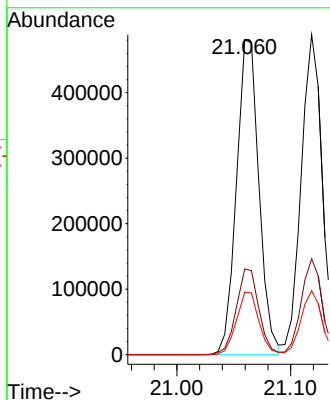
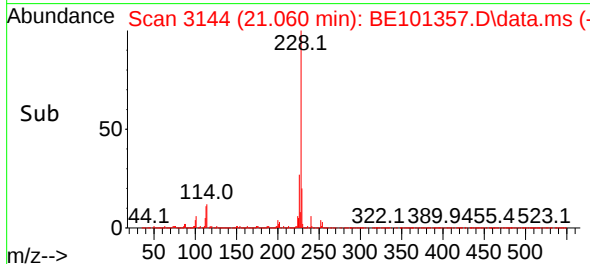
Instrument : BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:228 Resp: 658292
Ion Ratio Lower Upper
228 100
226 27.2 25.7 38.5
229 19.9 18.6 28.0

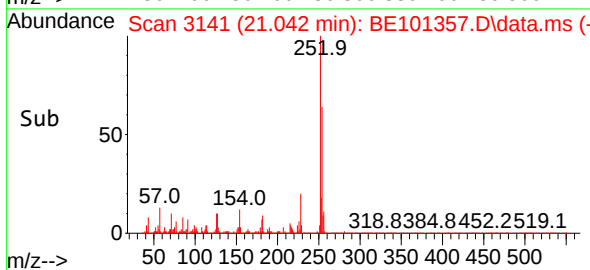
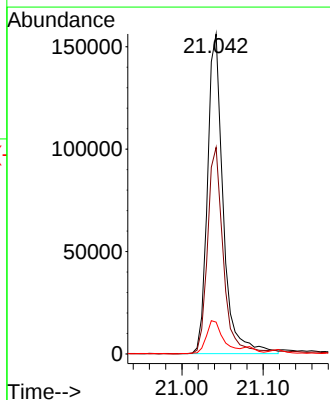
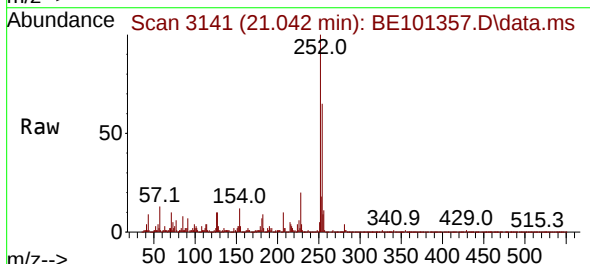
Manual Integrations
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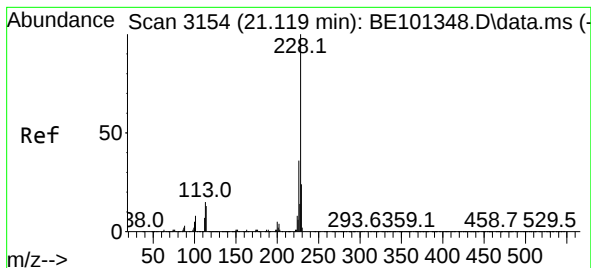
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#82
3,3'-Dichlorobenzidine
Concen: 4.962 ng
RT: 21.042 min Scan# 3141
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:252 Resp: 209216
Ion Ratio Lower Upper
252 100
254 64.5 52.5 78.7
126 10.0 8.0 12.0





#83

Chrysene

Concen: 6.191 ng

RT: 21.118 min Scan# 3154

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

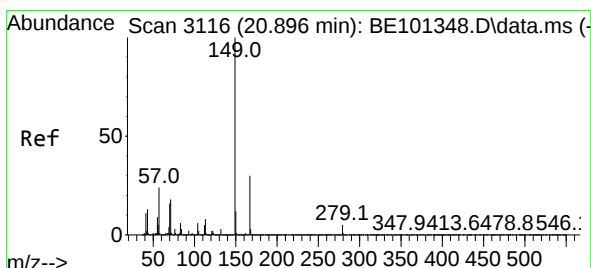
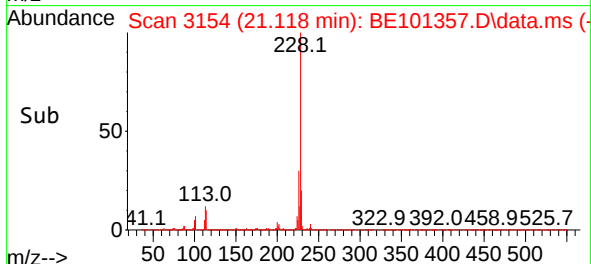
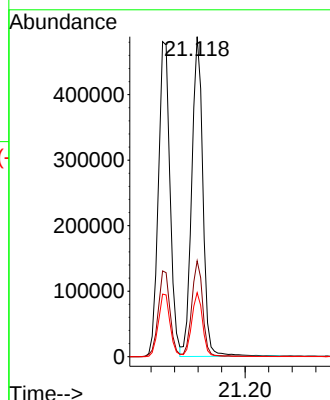
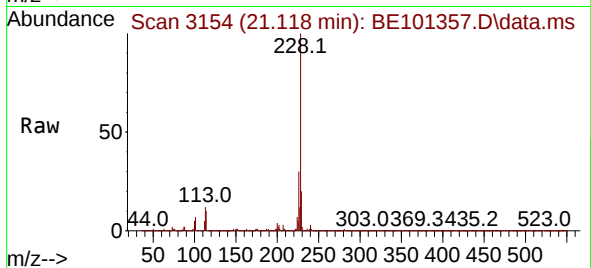
LOQ-SOIL-02-QT2-2024

Tgt Ion:	228	Resp:	63995
Ion Ratio	Lower	Upper	
228	100		
226	30.0	28.4	42.6
229	20.0	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.031 ng

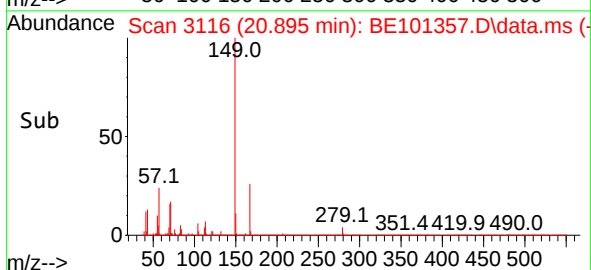
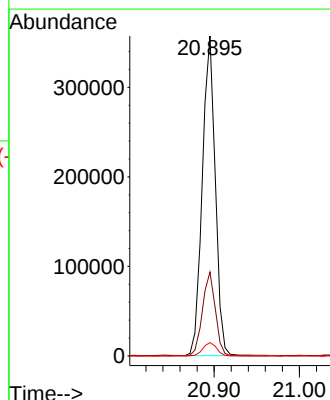
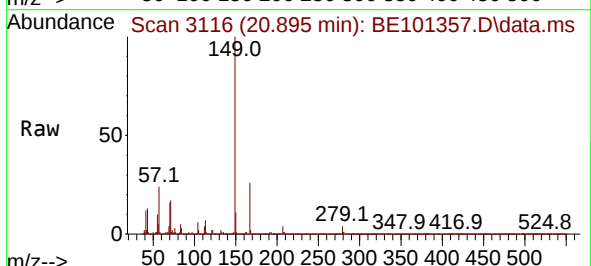
RT: 20.895 min Scan# 3116

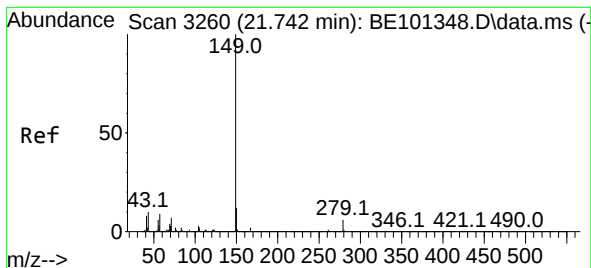
Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:	149	Resp:	376220
Ion Ratio	Lower	Upper	
149	100		
167	26.2	23.9	35.9
279	4.2	4.2	6.4





#85

Di-n-octyl phthalate

Concen: 5.997 ng

RT: 21.741 min Scan# 31

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

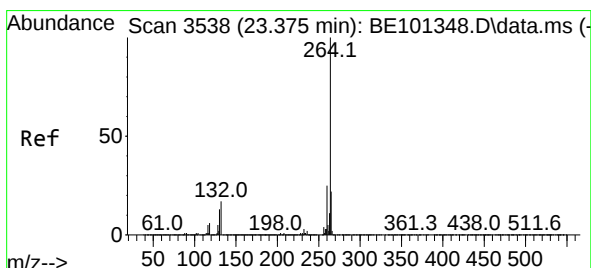
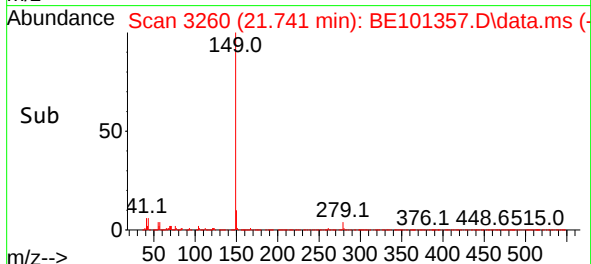
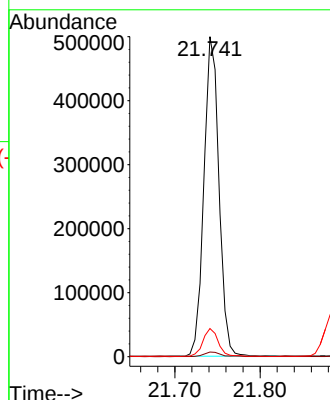
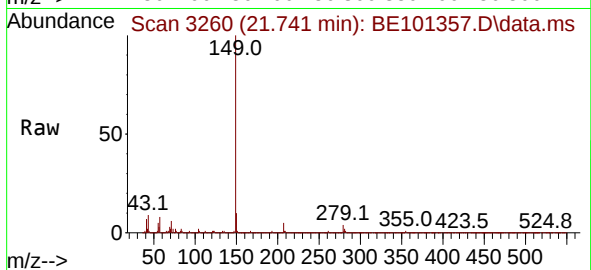
LOQ-SOIL-02-QT2-2024

Tgt Ion:149	Resp: 610689
Ion Ratio	Lower Upper
149 100	
167 1.6	1.4 2.2
43 8.9	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#86

Perylene-d12

Concen: 20.000 ng

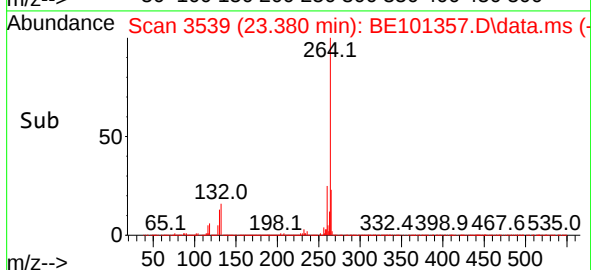
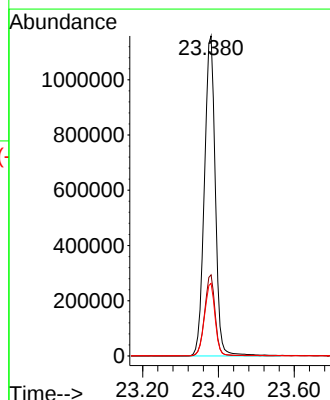
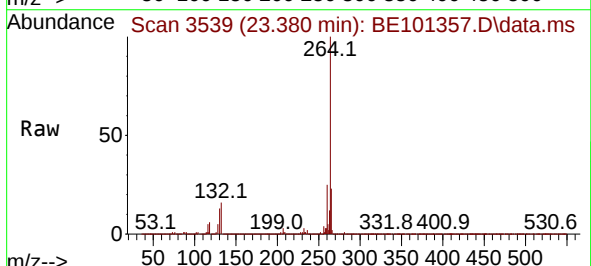
RT: 23.380 min Scan# 3539

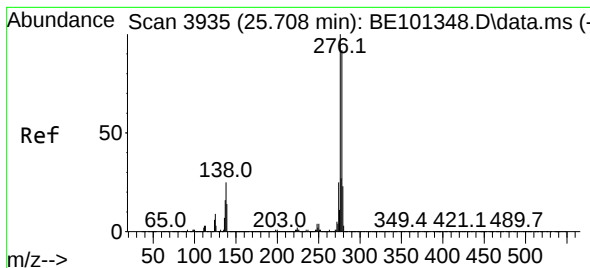
Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:264	Resp: 2307618
Ion Ratio	Lower Upper
264 100	
260 25.4	19.8 29.6
265 22.7	17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.762 ng

RT: 25.689 min Scan# 3935

Delta R.T. -0.018 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

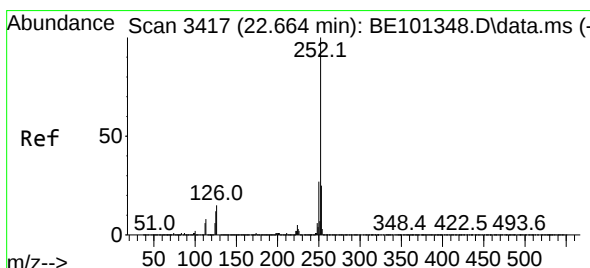
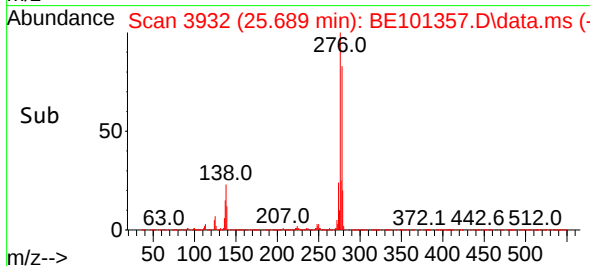
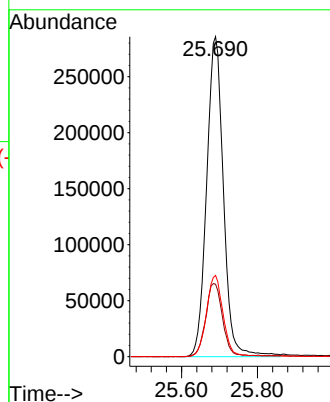
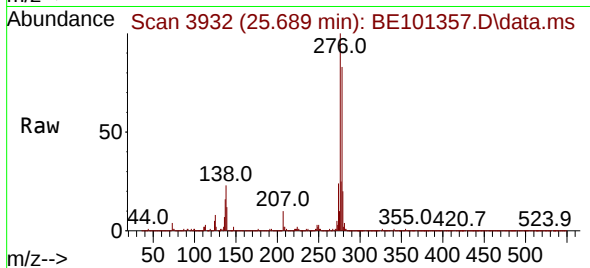
LOQ-SOIL-02-QT2-2024

Tgt Ion:	276	Resp:	876050
Ion Ratio	Lower	Upper	
276	100		
138	22.9	19.2	28.8
277	25.4	20.8	31.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#88

Benzo(b)fluoranthene

Concen: 5.727 ng

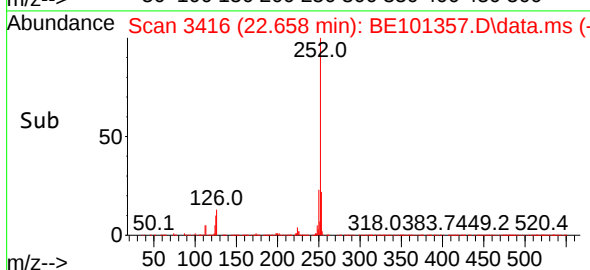
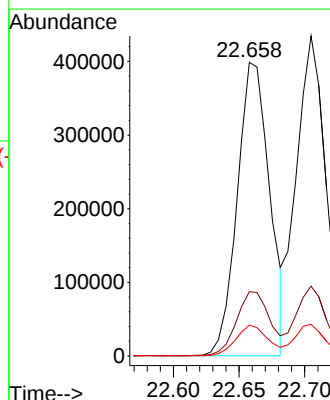
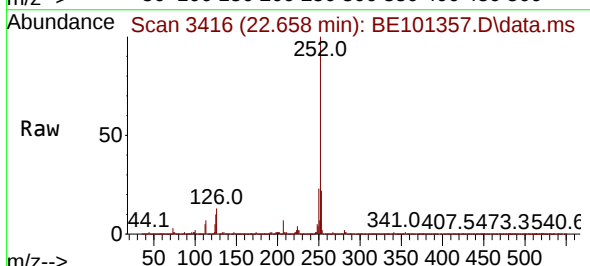
RT: 22.658 min Scan# 3416

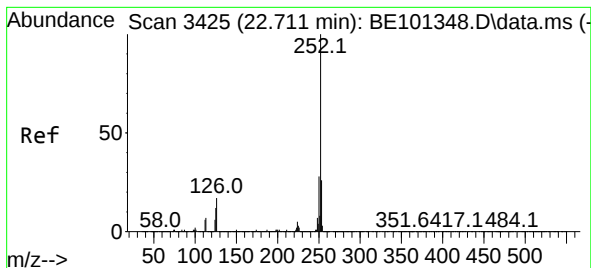
Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:	252	Resp:	684436
Ion Ratio	Lower	Upper	
252	100		
253	21.8	20.2	30.2
125	10.5	9.4	14.0





#89

Benzo(k)fluoranthene

Concen: 6.227 ng

RT: 22.705 min Scan# 3425

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

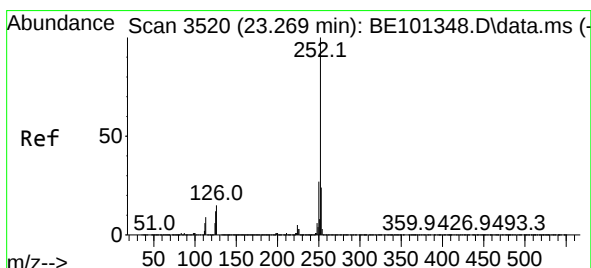
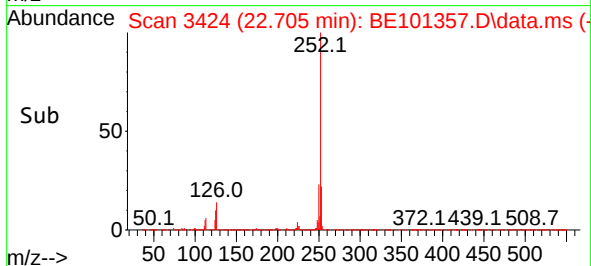
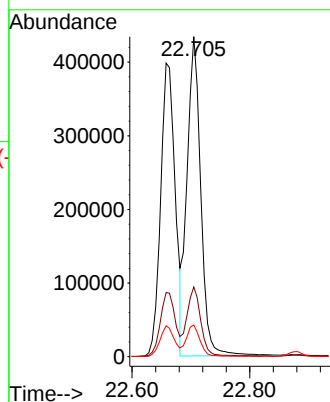
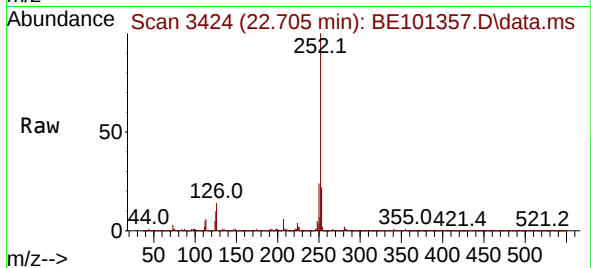
LOQ-SOIL-02-QT2-2024

Tgt Ion:	252	Resp:	702375
Ion Ratio	Lower	Upper	
252	100		
253	21.8	20.2	30.4
125	9.9	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#90

Benzo(a)pyrene

Concen: 5.903 ng

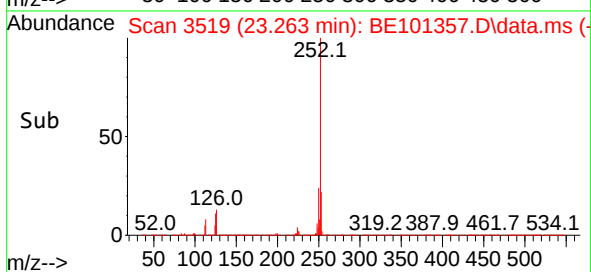
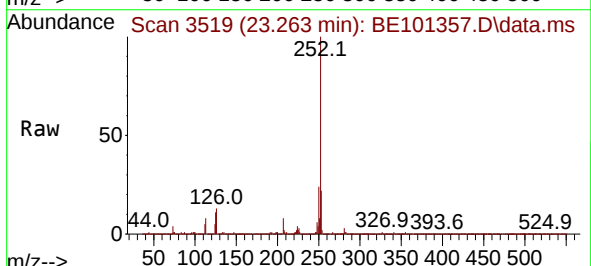
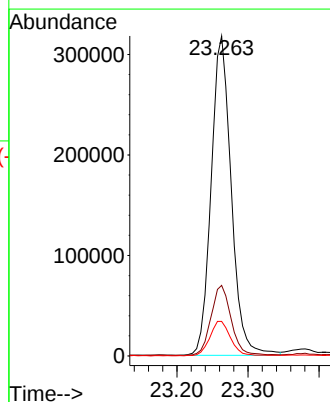
RT: 23.263 min Scan# 3519

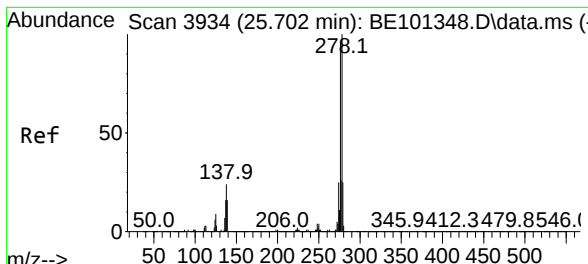
Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:	252	Resp:	622595
Ion Ratio	Lower	Upper	
252	100		
253	22.1	19.0	28.6
125	10.8	9.6	14.4





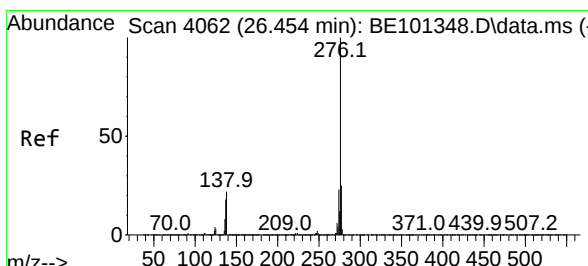
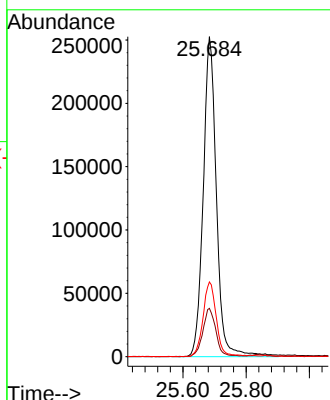
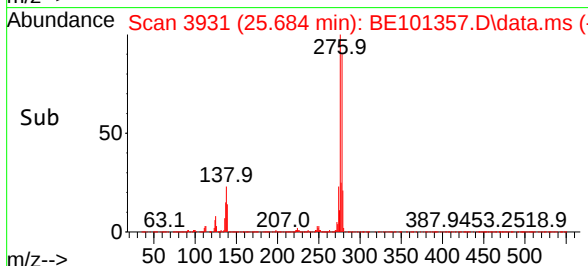
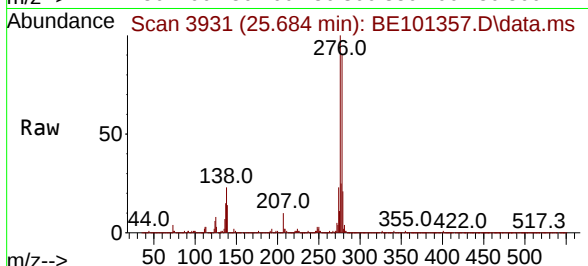
#91
 Dibenzo(a,h)anthracene
 Concen: 5.754 ng
 RT: 25.684 min Scan# 3931
 Delta R.T. -0.018 min
 Lab File: BE101357.D
 Acq: 18 Sep 2024 11:09

Instrument : BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Tgt Ion:	278	Resp:	732462
Ion Ratio	Lower	Upper	
278	100		
139	15.1	12.4	18.6
279	23.3	19.8	29.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#92
 Benzo(g,h,i)perylene
 Concen: 5.329 ng
 RT: 26.436 min Scan# 4059
 Delta R.T. -0.018 min
 Lab File: BE101357.D
 Acq: 18 Sep 2024 11:09

Tgt Ion:	276	Resp:	688794
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.8	29.8
138	20.3	17.4	26.0

