

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101359.D
 Acq On : 18 Sep 2024 12:21
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 18 13:28:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE091724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 17 16:03:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.576	152	155022	20.000	ng	0.00
21) Naphthalene-d8	10.344	136	761198	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	570003	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1361167	20.000	ng	0.00
76) Chrysene-d12	21.084	240	1565078	20.000	ng	0.00
86) Perylene-d12	23.370	264	1872927	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	780873	88.072	ng	0.00
7) Phenol-d6	6.948	99	1058563	84.220	ng	0.00
23) Nitrobenzene-d5	8.787	82	750719	62.525	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	867893	90.526	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	2102379	63.737	ng	0.00
79) Terphenyl-d14	19.515	244	3948456	55.940	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.229	88	24801	7.346	ng	94
3) Pyridine	3.781	79	53018m	5.452	ng	
4) n-Nitrosodimethylamine	3.628	42	27873m	7.977	ng	
6) Aniline	7.018	93	97661	9.261	ng	97
8) 2-Chlorophenol	7.218	128	80815	7.585	ng	98
9) Benzaldehyde	6.789	77	59510	10.302	ng	98
10) Phenol	6.977	94	91234	6.604	ng	96
11) bis(2-Chloroethyl)ether	7.048	93	78649m	6.727	ng	
12) 1,3-Dichlorobenzene	7.459	146	86105	7.520	ng	98
13) 1,4-Dichlorobenzene	7.612	146	87710	7.518	ng	99
14) 1,2-Dichlorobenzene	7.935	146	83829	7.251	ng	98
15) Benzyl Alcohol	7.923	79	60069	8.026	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.076	45	116486	7.905	ng	99
17) 2-Methylphenol	8.158	107	61901	6.762	ng	97
18) Hexachloroethane	8.634	117	27274	7.149	ng	97
19) n-Nitroso-di-n-propyla...	8.381	70	62440	7.039	ng	94
20) 3+4-Methylphenols	8.499	107	82239	6.385	ng	98
22) Acetophenone	8.434	105	131163	7.431	ng	# 98
24) Nitrobenzene	8.828	77	92383	7.207	ng	97
25) Isophorone	9.280	82	181923	7.401	ng	99
26) 2-Nitrophenol	9.515	139	39182	6.477	ng	97
27) 2,4-Dimethylphenol	9.633	122	42048	5.414	ng	96
28) bis(2-Chloroethoxy)met...	9.786	93	109497	7.365	ng	98
29) 2,4-Dichlorophenol	10.062	162	73951	6.953	ng	98
30) 1,2,4-Trichlorobenzene	10.185	180	83456	7.260	ng	98
31) Naphthalene	10.391	128	284804	7.415	ng	99
32) Benzoic acid	9.833	122	44884	11.935	ng	98
33) 4-Chloroaniline	10.620	127	106366	7.239	ng	99
34) Hexachlorobutadiene	10.638	225	47571	7.123	ng	97
35) Caprolactam	11.407	113	27929m	6.500	ng	
36) 4-Chloro-3-methylphenol	11.789	107	83822	6.670	ng	98
37) 2-Methylnaphthalene	11.977	142	205504	7.316	ng	97
38) 1-Methylnaphthalene	12.206	142	195281	6.930	ng	99
40) 1,2,4,5-Tetrachloroben...	12.336	216	100732	7.336	ng	99
41) Hexachlorocyclopentadiene	12.318	237	54037	11.977	ng	98
43) 2,4,6-Trichlorophenol	12.659	196	65151	6.700	ng	98

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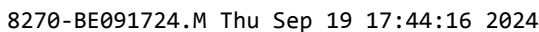
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	70924	6.464	ng	98
46) 1,1'-Biphenyl	13.011	154	292840	7.581	ng	98
47) 2-Chloronaphthalene	13.058	162	216362	7.121	ng	98
48) 2-Nitroaniline	13.387	65	51292	6.274	ng	95
49) Acenaphthylene	13.916	152	355017	7.830	ng	98
50) Dimethylphthalate	13.687	163	310215	7.542	ng	99
51) 2,6-Dinitrotoluene	13.822	165	59489	6.463	ng	99
52) Acenaphthene	14.245	154	213985	7.160	ng	97
53) 3-Nitroaniline	14.233	138	60602	6.400	ng	98
54) 2,4-Dinitrophenol	14.368	184	32418	5.916	ng	94
55) Dibenzofuran	14.586	168	359571	7.617	ng	98
56) 4-Nitrophenol	14.651	139	55743m	7.081	ng	
57) 2,4-Dinitrotoluene	14.604	165	78637	6.276	ng	# 86
58) Fluorene	15.226	166	298345	7.501	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.856	232	74861	7.215	ng	98
60) Diethylphthalate	15.015	149	325966	7.639	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	143325	7.346	ng	97
62) 4-Nitroaniline	15.420	138	61124	6.194	ng	99
63) Azobenzene	15.508	77	276451	7.581	ng	97
65) 4,6-Dinitro-2-methylph...	15.350	198	56739	7.341	ng	94
66) n-Nitrosodiphenylamine	15.461	169	266973	7.358	ng	98
67) 4-Bromophenyl-phenylether	16.102	248	99014	7.002	ng	100
68) Hexachlorobenzene	16.208	284	124493	6.812	ng	95
69) Atrazine	16.396	200	101094	8.438	ng	98
70) Pentachlorophenol	16.613	266	124300	11.384	ng	99
71) Phenanthrene	16.960	178	509179	7.876	ng	97
72) Anthracene	17.048	178	477646	7.593	ng	97
73) Carbazole	17.377	167	489018	7.585	ng	97
74) Di-n-butylphthalate	17.829	149	573947	8.108	ng	# 95
75) Fluoranthene	18.963	202	630188	8.097	ng	95
77) Benzidine	19.222	184	186069m	7.163	ng	
78) Pyrene	19.333	202	680741	7.821	ng	93
80) Butylbenzylphthalate	20.185	149	288547	7.488	ng	97
81) Benzo(a)anthracene	21.061	228	726762	8.269	ng	91
82) 3,3'-Dichlorobenzidine	21.037	252	258502	7.506	ng	97
83) Chrysene	21.119	228	709978	8.409	ng	91
84) Bis(2-ethylhexyl)phtha...	20.890	149	385095	7.557	ng	94
85) Di-n-octyl phthalate	21.742	149	671148	8.069	ng	99
87) Indeno(1,2,3-cd)pyrene	25.685	276	977433	7.921	ng	98
88) Benzo(b)fluoranthene	22.659	252	781473	8.056	ng	95
89) Benzo(k)fluoranthene	22.700	252	748026	8.170	ng	95
90) Benzo(a)pyrene	23.258	252	692744	8.092	ng	96
91) Dibenzo(a,h)anthracene	25.679	278	801216	7.756	ng	98
92) Benzo(g,h,i)perylene	26.431	276	752346	7.172	ng	98

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

Manual Integrations

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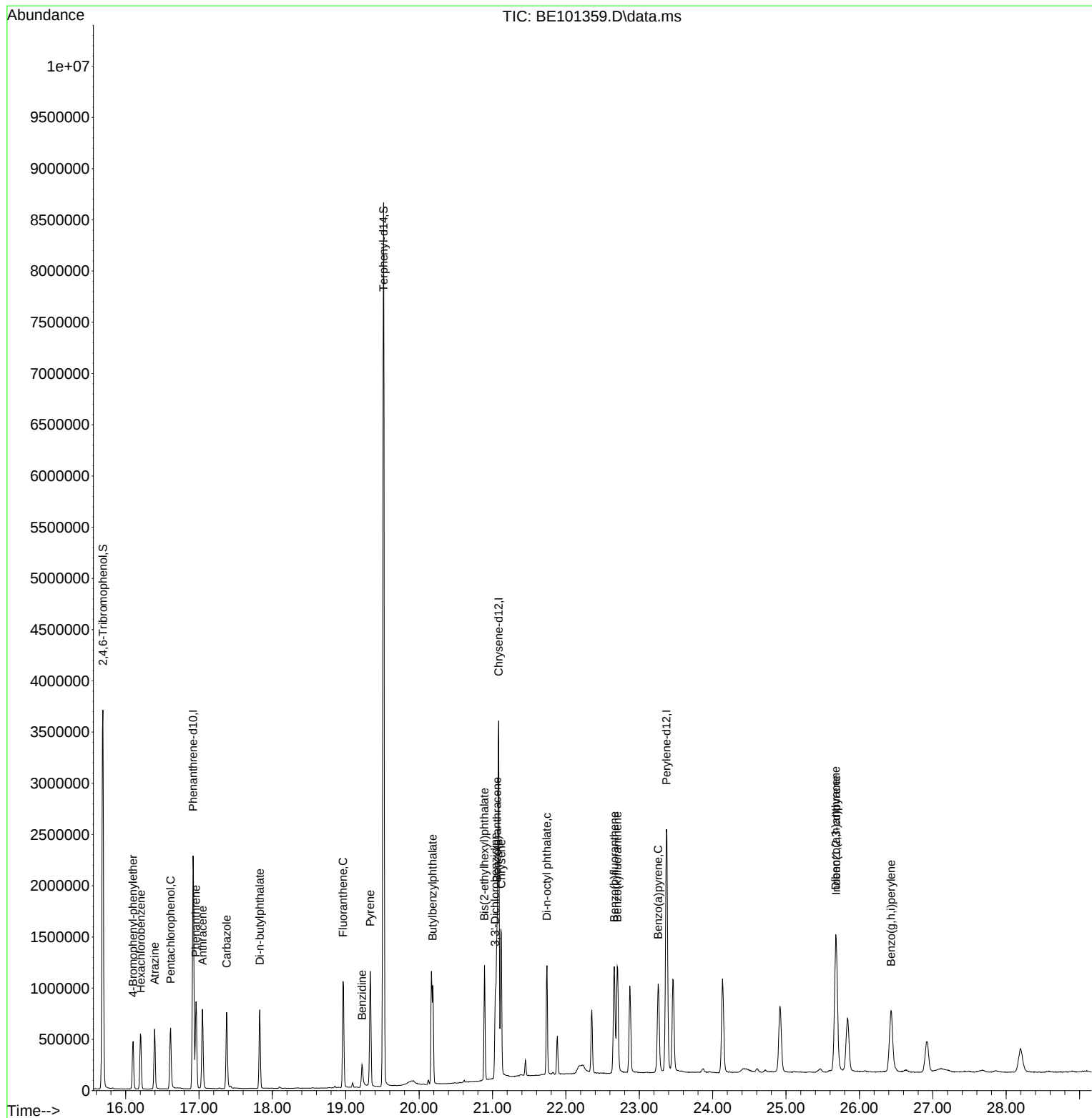
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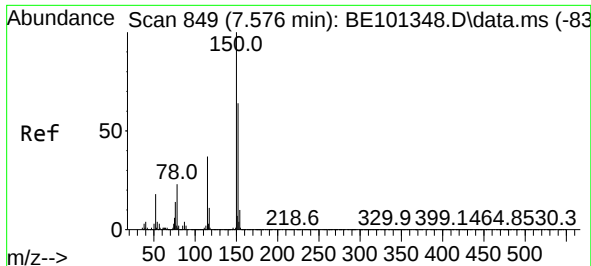
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

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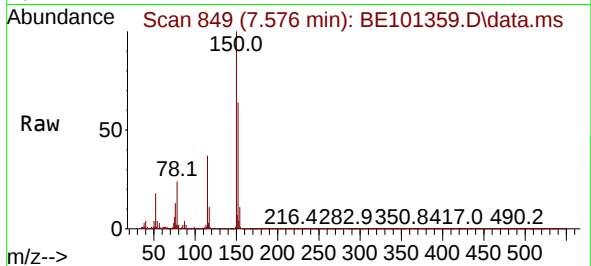
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.576 min Scan# 849
Delta R.T. 0.000 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

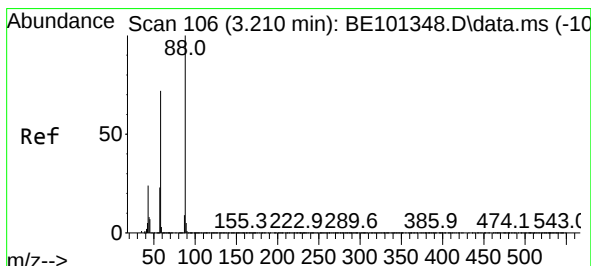
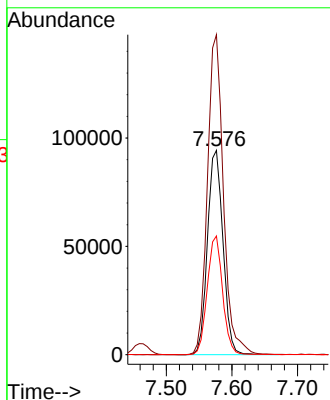
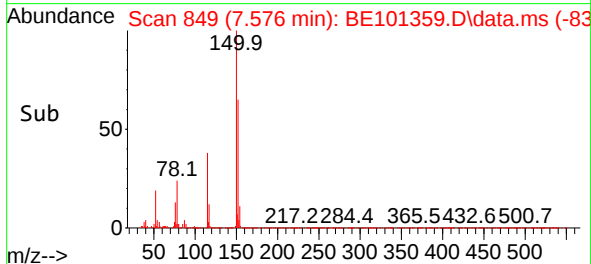
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



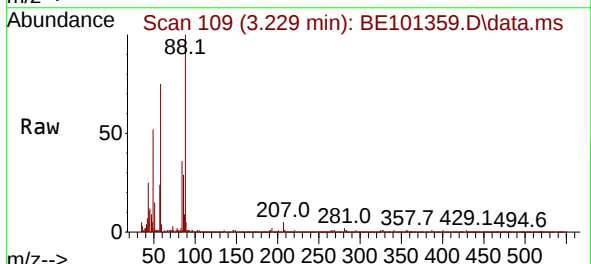
Tgt Ion: 152 Resp: 15502
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 58.2 46.9 70.3

Manual Integrations
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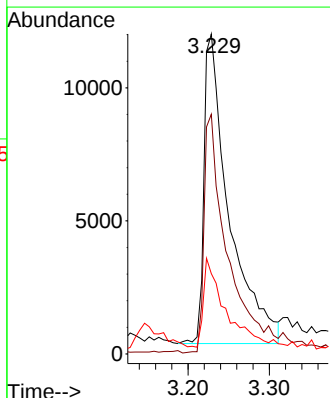
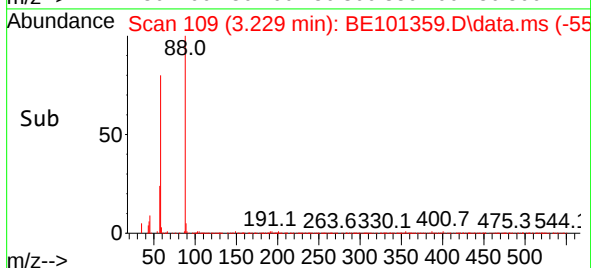
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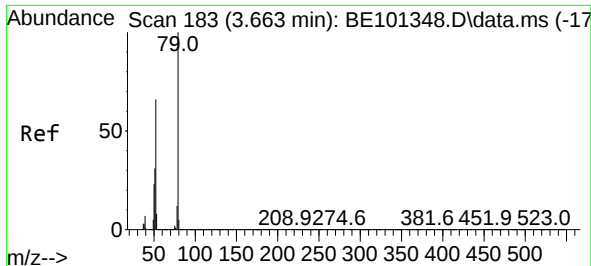


#2
1,4-Dioxane
Concen: 7.346 ng
RT: 3.229 min Scan# 109
Delta R.T. 0.018 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



Tgt Ion: 88 Resp: 24801
Ion Ratio Lower Upper
88 100
58 79.1 58.8 88.2
43 25.4 19.4 29.2





#3

Pyridine

Concen: 5.452 ng m

RT: 3.781 min Scan# 20

Delta R.T. 0.118 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

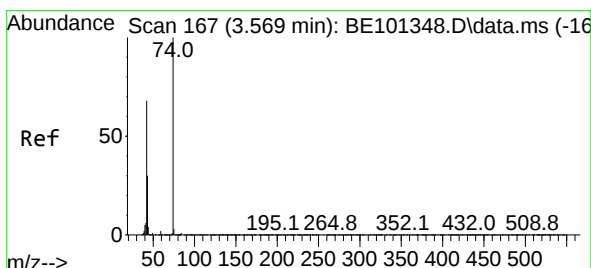
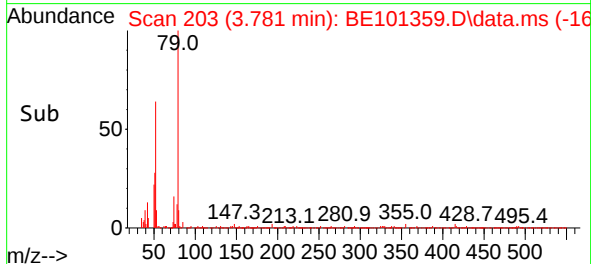
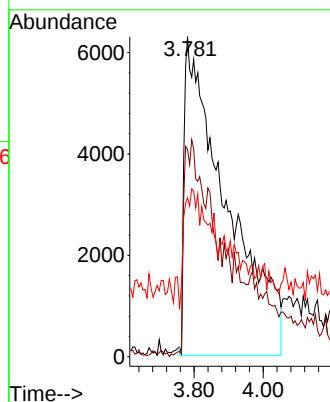
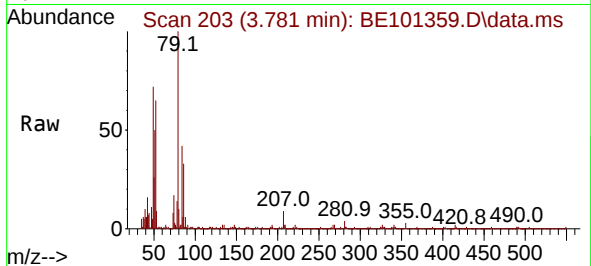
LOQ-SOIL-02-QT2-2024

Tgt Ion: 79	Resp: 53018
Ion Ratio	Lower Upper
79 100	
52 64.7	52.6 78.8
51 49.7	26.2 39.2

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 7.977 ng m

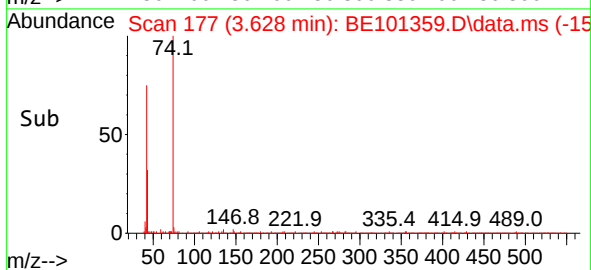
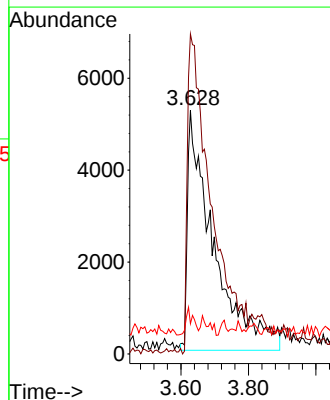
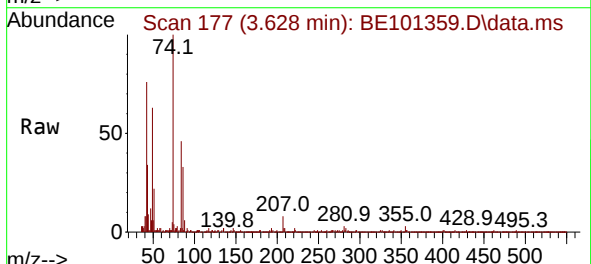
RT: 3.628 min Scan# 177

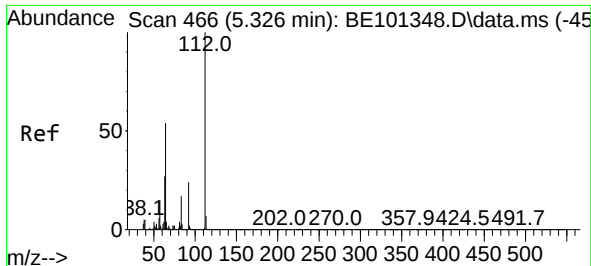
Delta R.T. 0.059 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion: 42	Resp: 27873
Ion Ratio	Lower Upper
42 100	
74 131.4	117.0 175.4
44 12.4	5.9 8.9





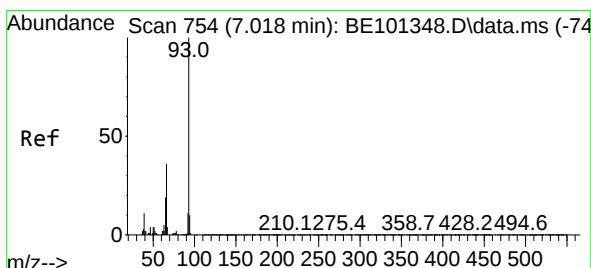
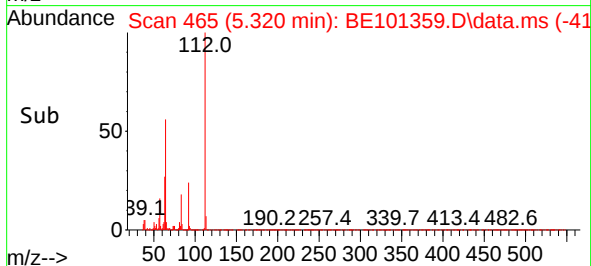
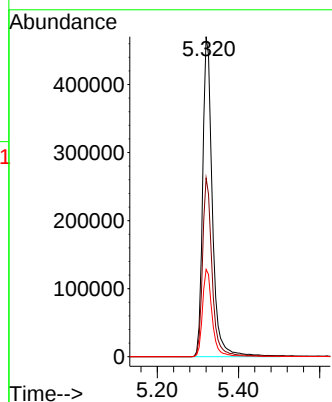
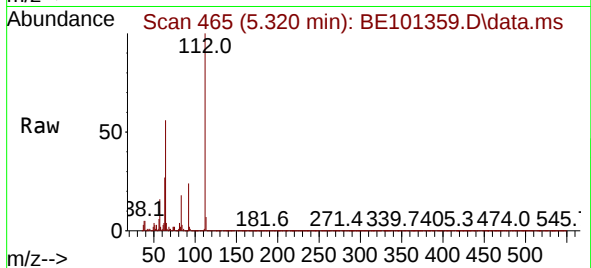
#5
2-Fluorophenol
Concen: 88.072 ng
RT: 5.320 min Scan# 466
Delta R.T. -0.005 min
Lab File: BE101359.D
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LOQ-SOIL-02-QT2-2024

Tgt Ion: 112 Resp: 78087
Ion Ratio Lower Upper
112 100
64 55.8 42.8 64.2
63 27.3 21.3 31.9

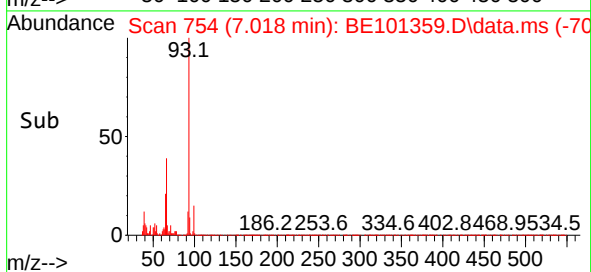
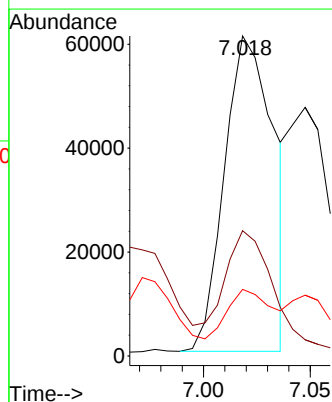
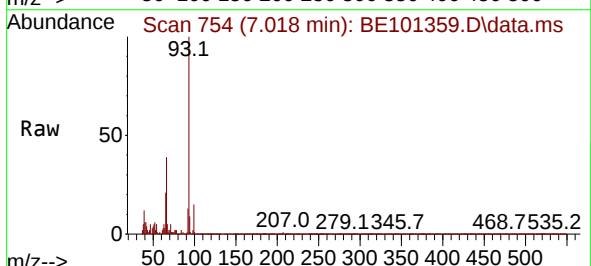
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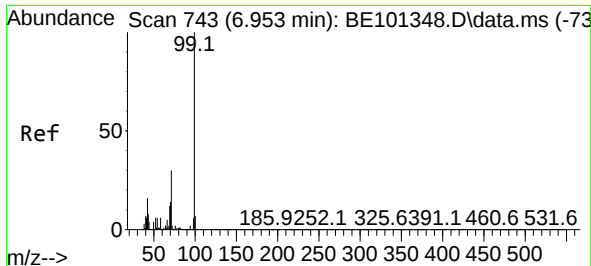
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#6
Aniline
Concen: 9.261 ng
RT: 7.018 min Scan# 754
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

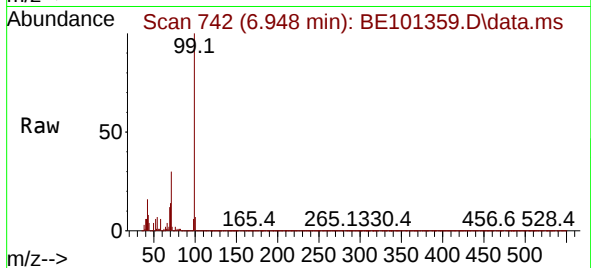
Tgt Ion: 93 Resp: 97661
Ion Ratio Lower Upper
93 100
66 39.1 30.0 45.0
65 20.8 15.8 23.8





#7
Phenol-d6
Concen: 84.220 ng
RT: 6.948 min Scan# 743
Delta R.T. -0.005 min
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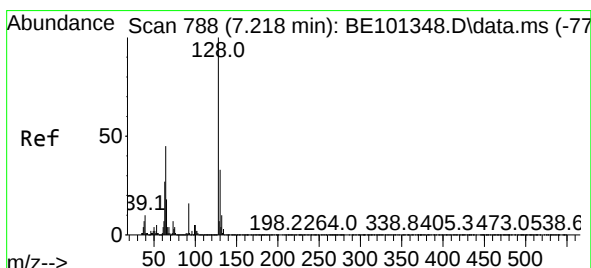
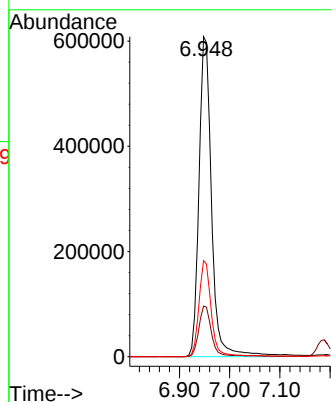
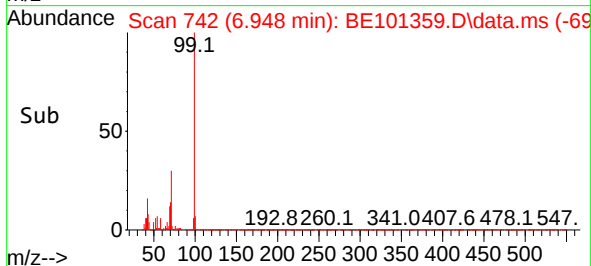
Instrument :
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LOQ-SOIL-02-QT2-2024



Tgt Ion: 99 Resp: 105856
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 30.0 23.8 35.6

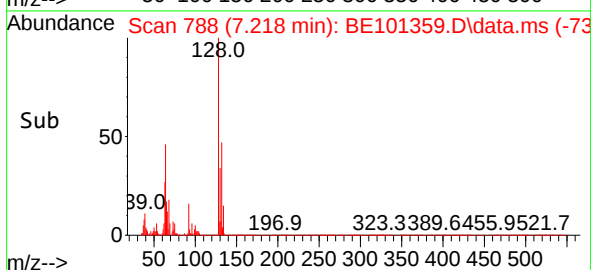
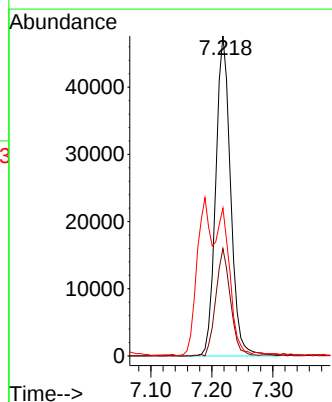
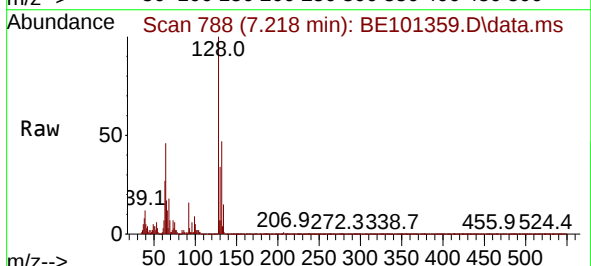
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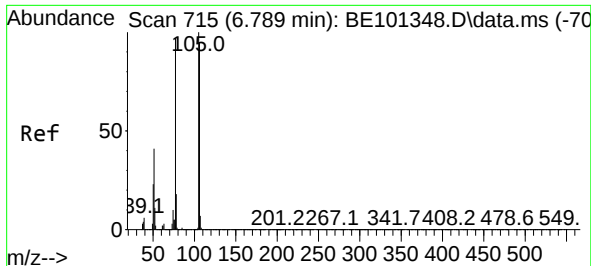
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#8
2-Chlorophenol
Concen: 7.585 ng
RT: 7.218 min Scan# 788
Delta R.T. 0.001 min
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Tgt Ion:128 Resp: 80815
Ion Ratio Lower Upper
128 100
130 33.6 12.8 52.8
64 46.3 24.9 64.9





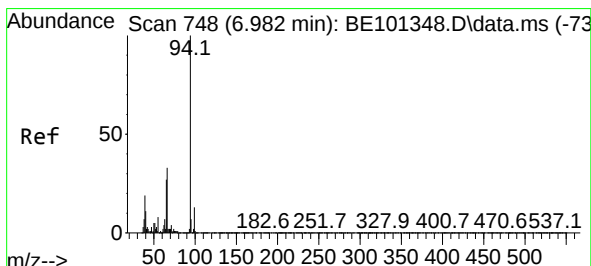
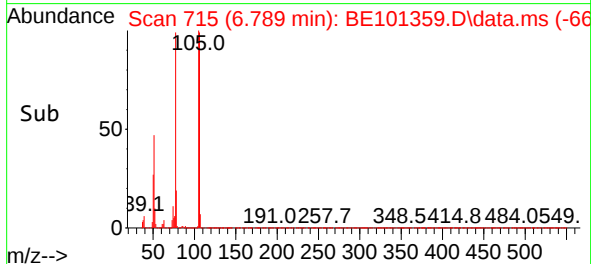
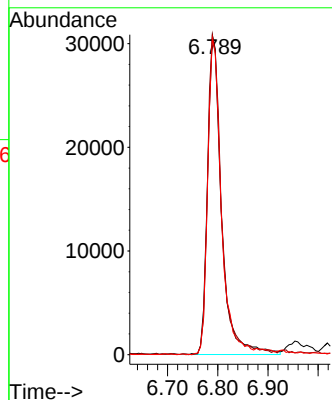
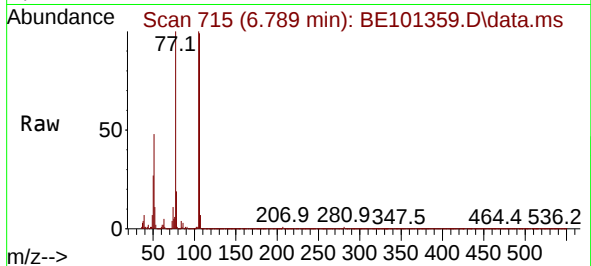
#9
Benzaldehyde
Concen: 10.302 ng
RT: 6.789 min Scan# 715
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion: 77 Resp: 59510
Ion Ratio Lower Upper
77 100
105 100.2 82.8 122.8
106 99.2 77.9 117.9

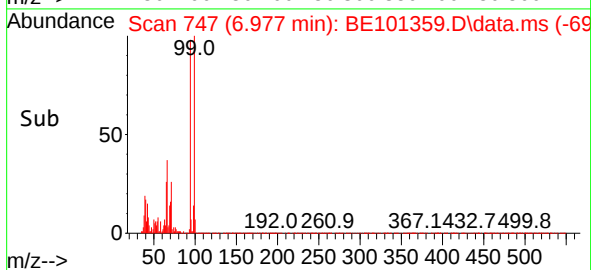
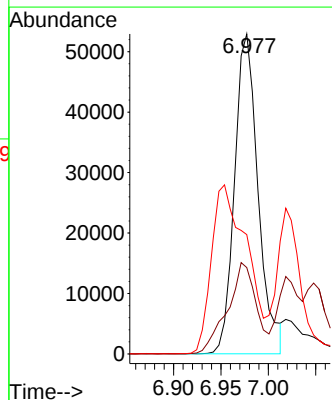
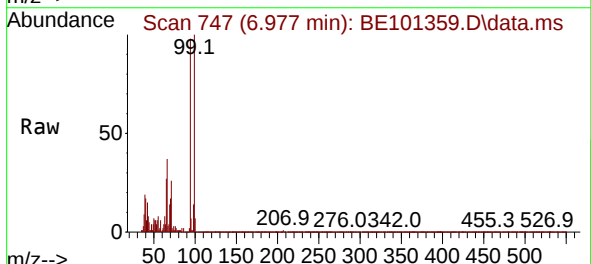
Manual Integrations
APPROVED

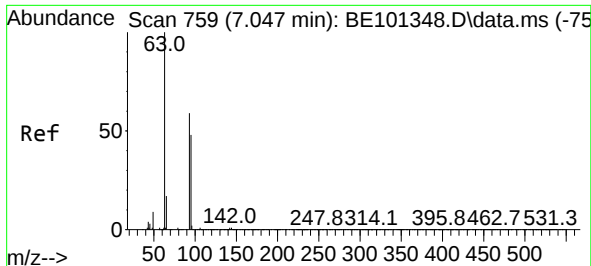
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#10
Phenol
Concen: 6.604 ng
RT: 6.977 min Scan# 747
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

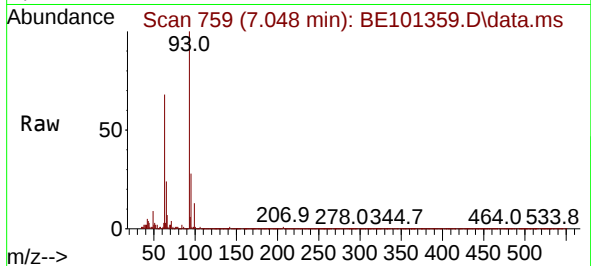
Tgt Ion: 94 Resp: 91234
Ion Ratio Lower Upper
94 100
65 27.0 7.1 47.1
66 37.3 13.1 53.1





#11
bis(2-Chloroethyl)ether
Concen: 6.727 ng m
RT: 7.048 min Scan# 7
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

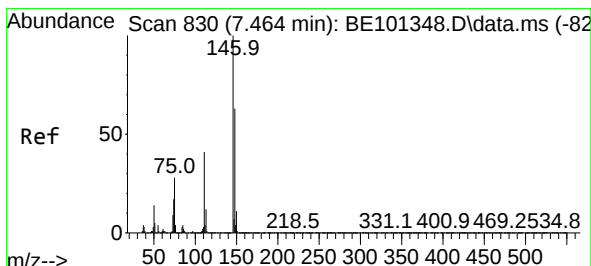
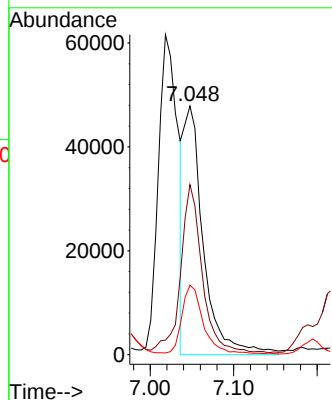
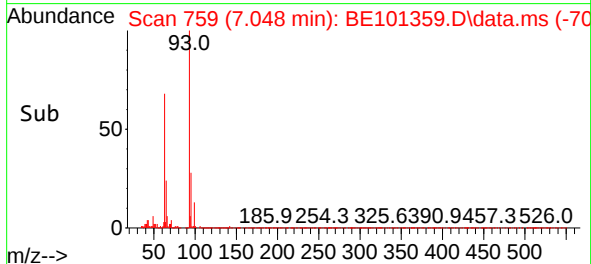
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 93 Resp: 78649
Ion Ratio Lower Upper
93 100
63 68.4 43.7 83.7
95 27.9 8.7 48.7

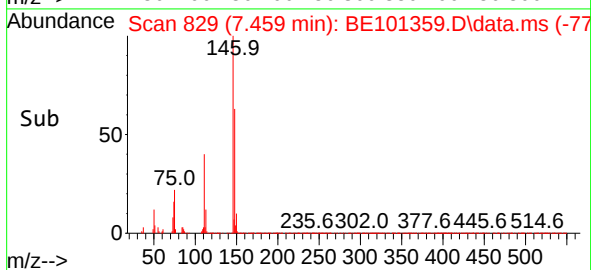
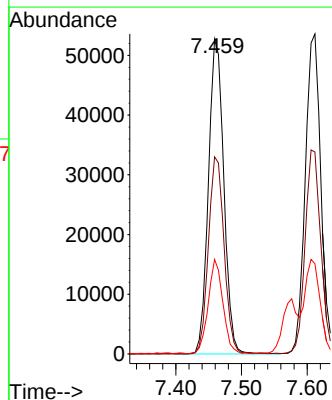
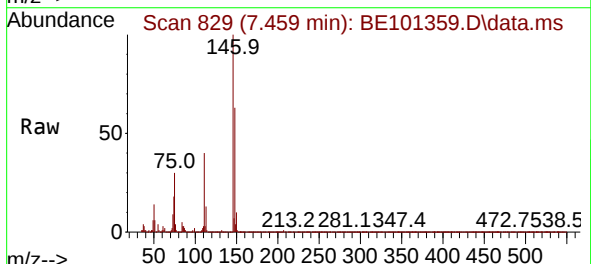
Manual Integrations
APPROVED

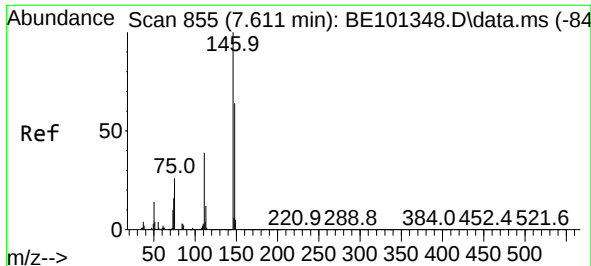
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#12
1,3-Dichlorobenzene
Concen: 7.520 ng
RT: 7.459 min Scan# 829
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:146 Resp: 86105
Ion Ratio Lower Upper
146 100
148 62.6 50.8 76.2
75 30.0 22.1 33.1





#13

1,4-Dichlorobenzene

Concen: 7.518 ng

RT: 7.612 min Scan# 855

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

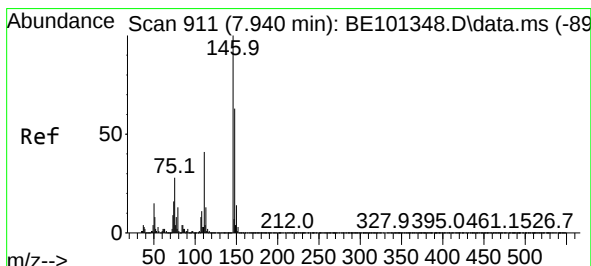
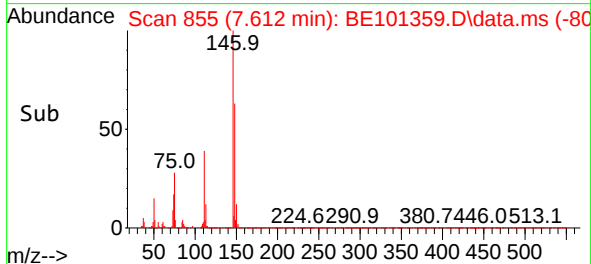
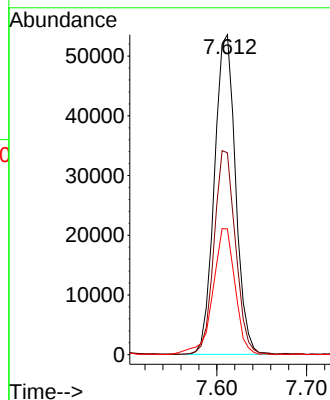
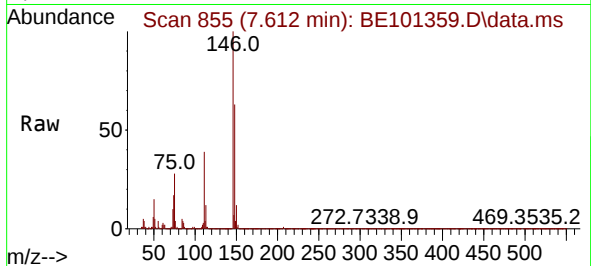
LOQ-SOIL-02-QT2-2024

Tgt Ion:	146	Resp:	87710
Ion Ratio	Lower	Upper	
146	100		
148	63.1	51.1	76.7
111	39.3	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: 7.251 ng

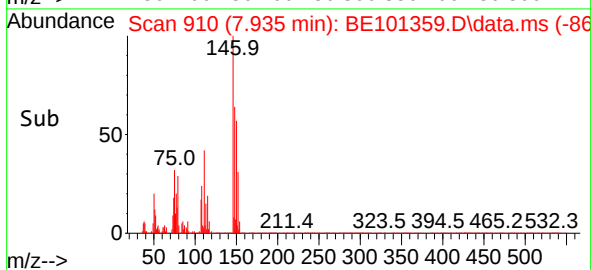
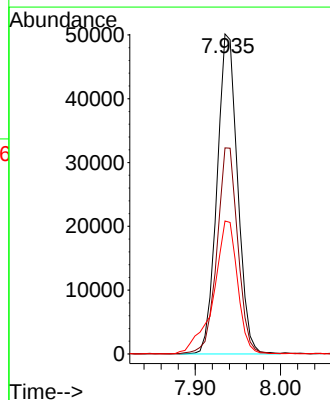
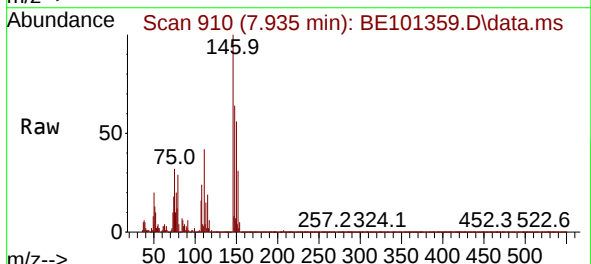
RT: 7.935 min Scan# 910

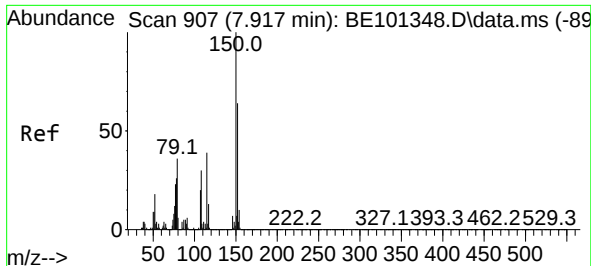
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

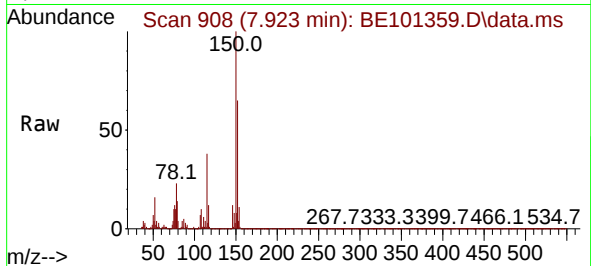
Tgt Ion:	146	Resp:	83829
Ion Ratio	Lower	Upper	
146	100		
148	64.4	50.4	75.6
111	41.6	32.6	48.8





#15
Benzyl Alcohol
Concen: 8.026 ng
RT: 7.923 min Scan# 907
Delta R.T. 0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

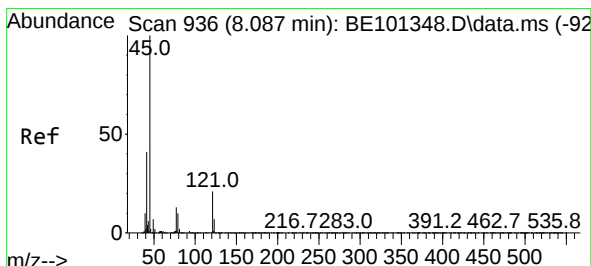
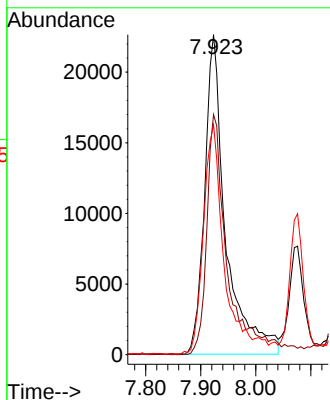
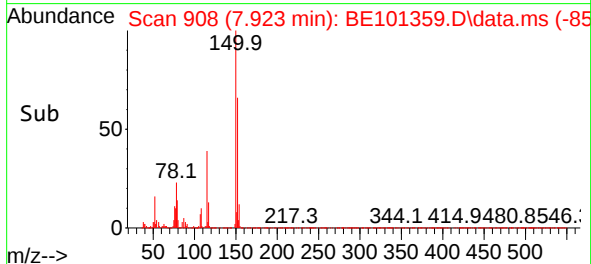
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 79 Resp: 60069
Ion Ratio Lower Upper
79 100
108 75.0 66.0 99.0
77 71.8 51.0 76.6

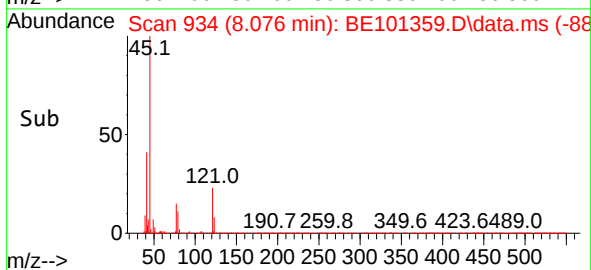
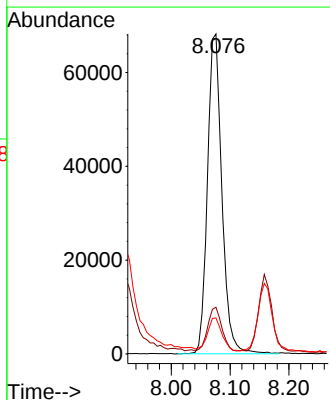
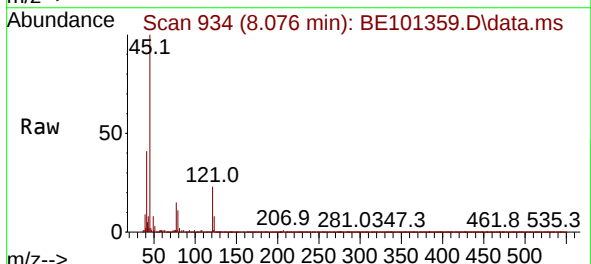
Manual Integrations
APPROVED

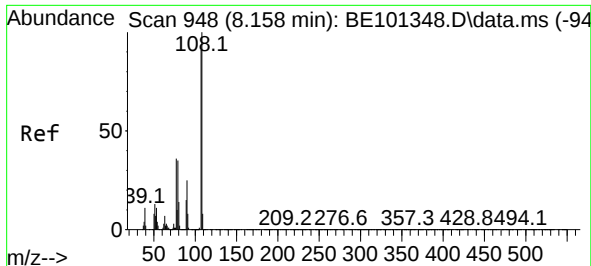
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.905 ng
RT: 8.076 min Scan# 934
Delta R.T. -0.011 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 45 Resp: 116486
Ion Ratio Lower Upper
45 100
77 14.6 0.0 34.3
79 11.3 0.0 31.6





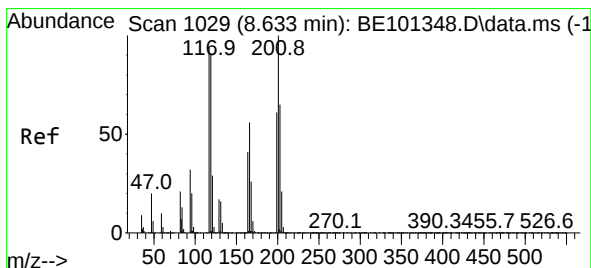
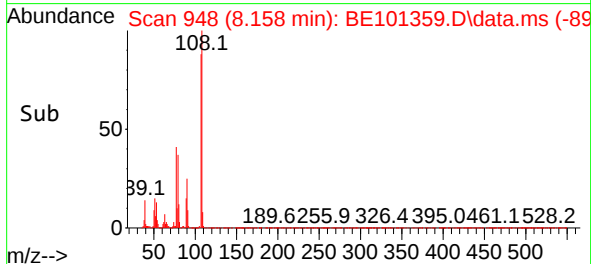
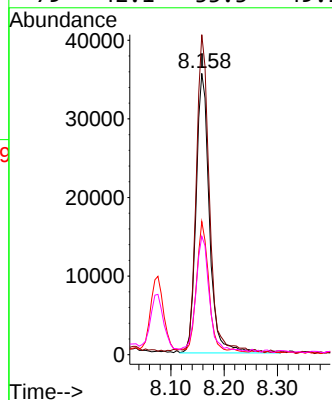
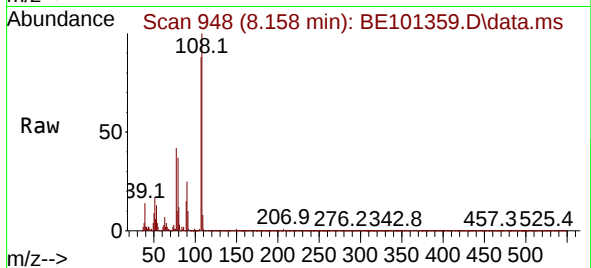
#17
2-Methylphenol
Concen: 6.762 ng
RT: 8.158 min Scan# 948
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:	107	Resp:	6190
Ion Ratio	Lower	Upper	
107	100		
108	113.7	88.2	132.2
77	47.3	34.9	52.3
79	42.1	33.3	49.9

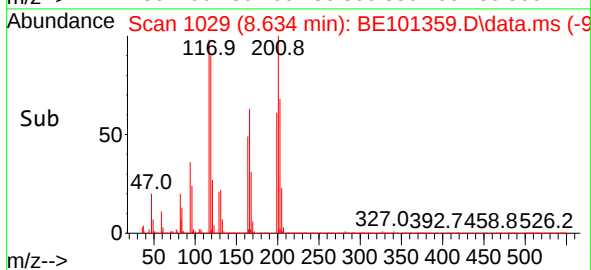
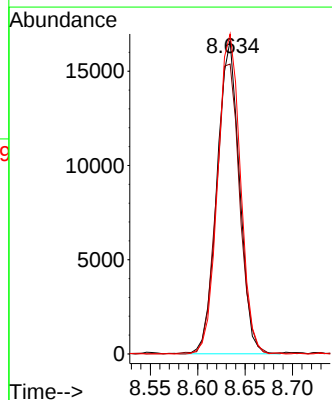
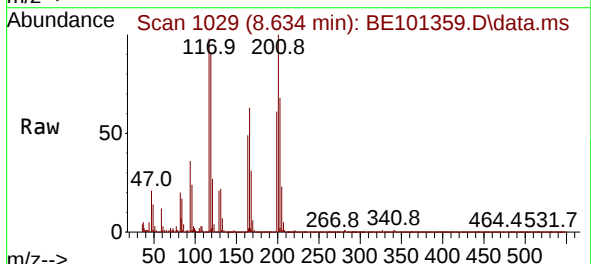
Manual Integrations
APPROVED

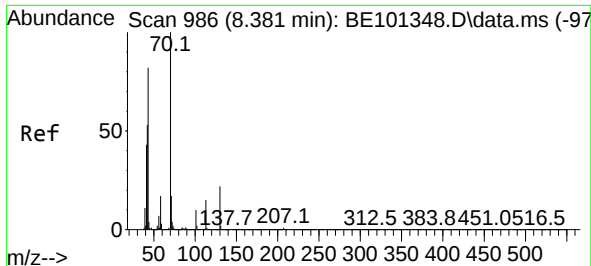
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#18
Hexachloroethane
Concen: 7.149 ng
RT: 8.634 min Scan# 1029
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

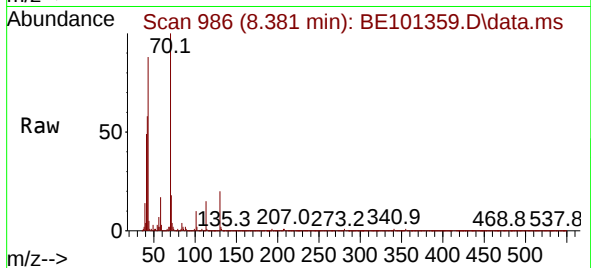
Tgt Ion:	117	Resp:	27274
Ion Ratio	Lower	Upper	
117	100		
119	92.5	77.4	116.2
201	104.6	84.8	127.2





#19
n-Nitroso-di-n-propylamine
Concen: 7.039 ng
RT: 8.381 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

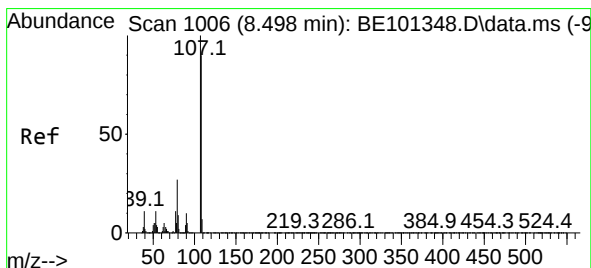
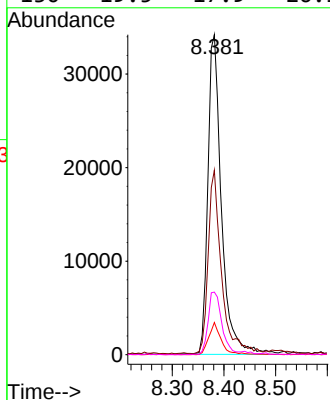
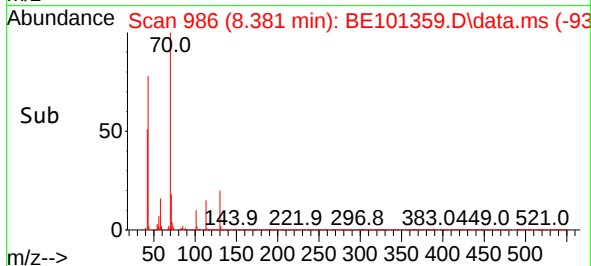
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



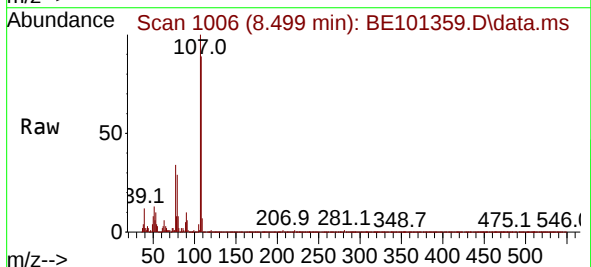
Tgt Ion:	70	Resp:	62440
Ion Ratio	100	Lower	Upper
70	100		
42	57.6	42.5	63.7
101	10.0	7.8	11.6
130	19.5	17.9	26.9

Manual Integrations
APPROVED

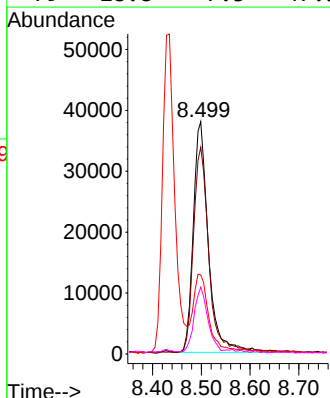
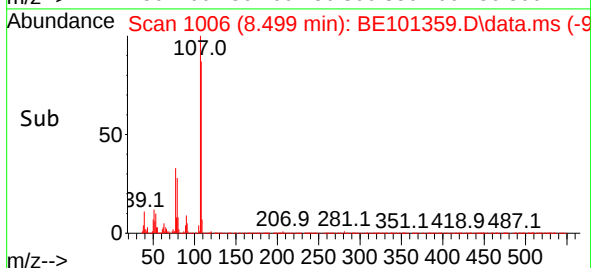
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

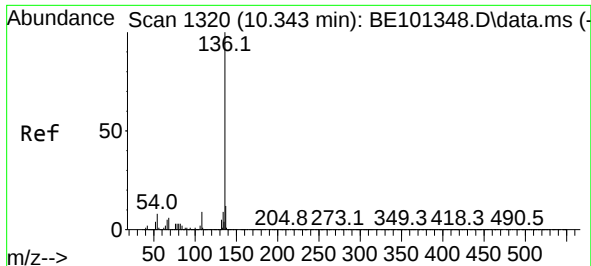


#20
3+4-Methylphenols
Concen: 6.385 ng
RT: 8.499 min Scan# 1006
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



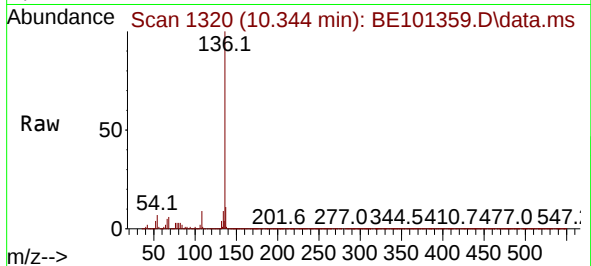
Tgt Ion:	107	Resp:	82239
Ion Ratio	100	Lower	Upper
107	100		
108	89.0	70.4	110.4
77	34.0	12.5	52.5
79	28.8	7.3	47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.344 min Scan# 111
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

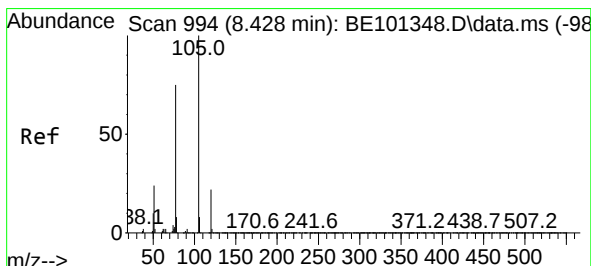
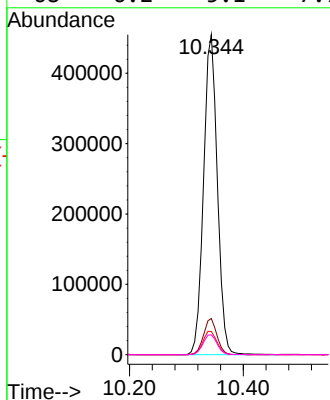
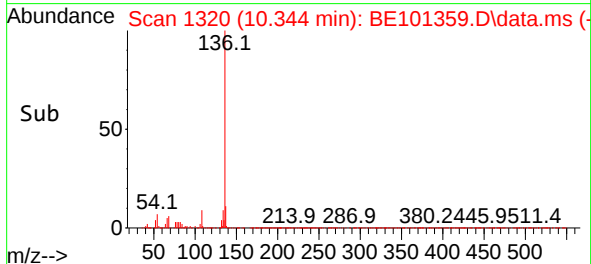
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:136 Resp: 761198
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 7.3 6.1 9.1
68 6.2 5.1 7.7

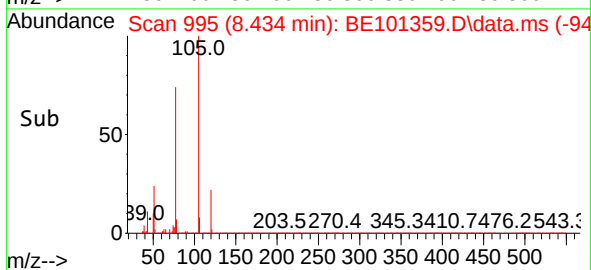
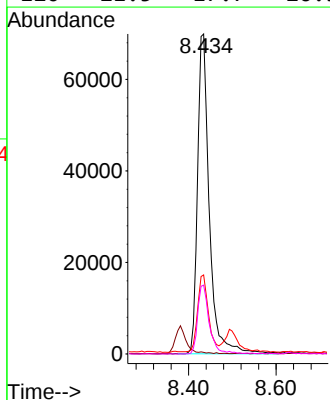
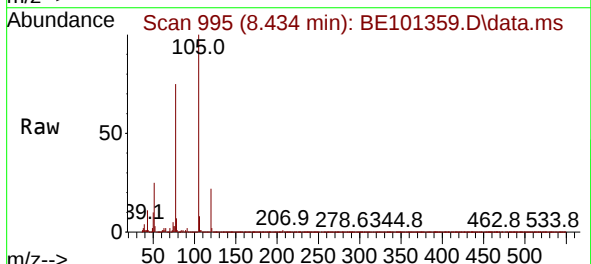
Manual Integrations
APPROVED

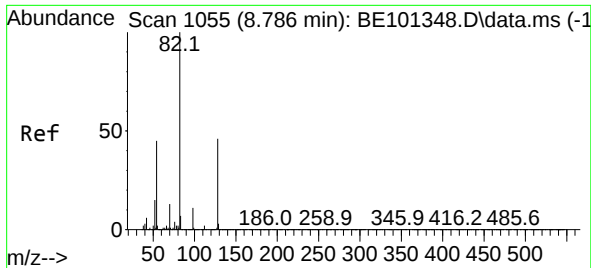
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#22
Acetophenone
Concen: 7.431 ng
RT: 8.434 min Scan# 995
Delta R.T. 0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

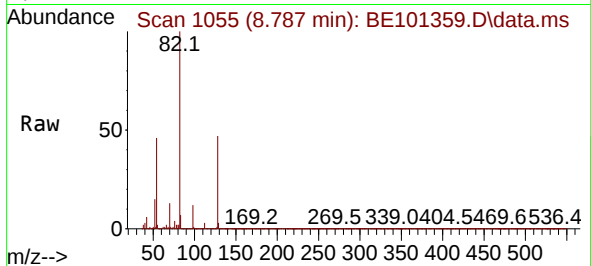
Tgt Ion:105 Resp: 131163
Ion Ratio Lower Upper
105 100
71 0.5 0.1 0.1#
51 24.7 19.0 28.4
120 21.5 17.7 26.5





#23
Nitrobenzene-d5
Concen: 62.525 ng
RT: 8.787 min Scan# 1055
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

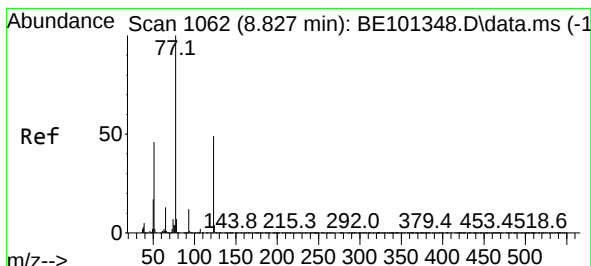
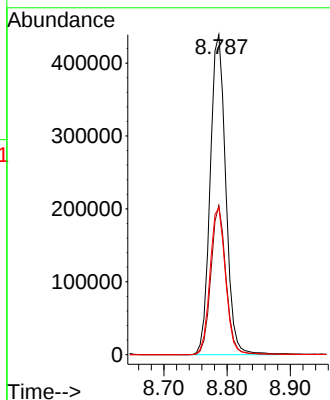
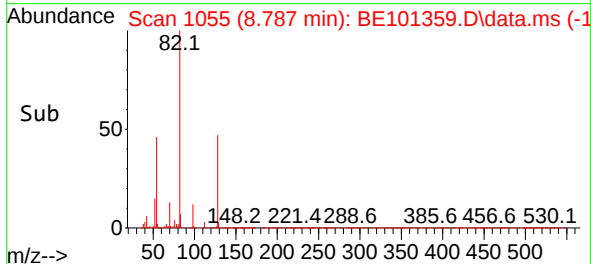
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



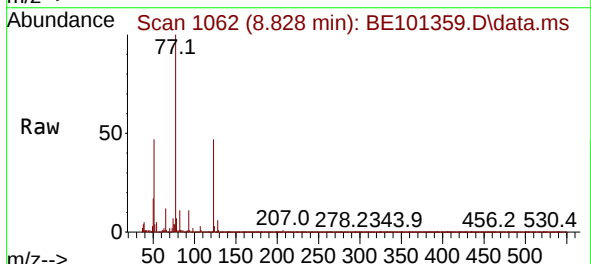
Tgt Ion: 82 Resp: 750719
Ion Ratio Lower Upper
82 100
128 46.6 36.8 55.2
54 45.9 36.2 54.4

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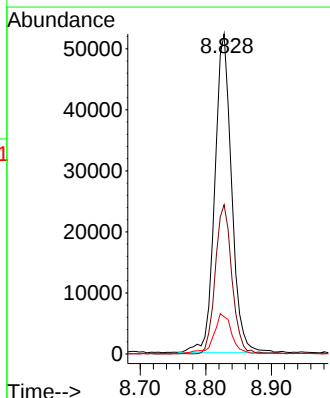
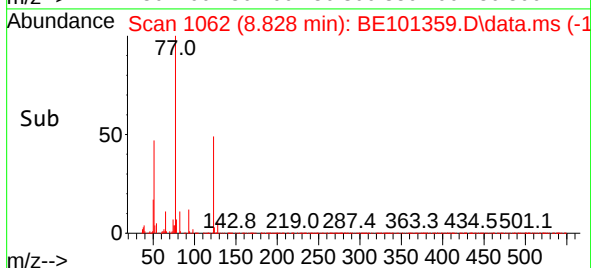
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

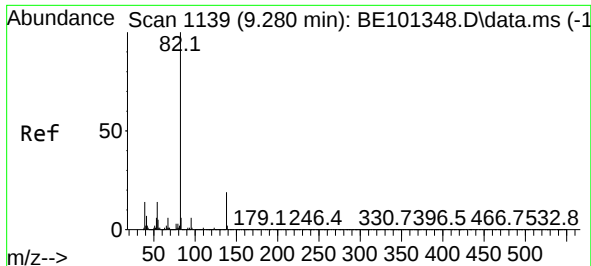


#24
Nitrobenzene
Concen: 7.207 ng
RT: 8.828 min Scan# 1062
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



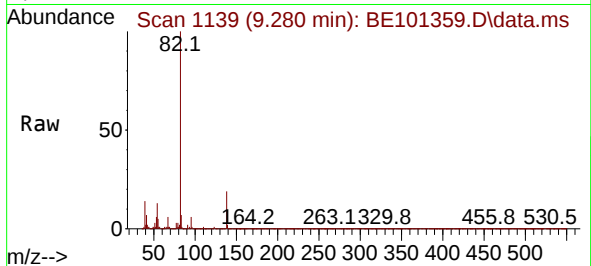
Tgt Ion: 77 Resp: 92383
Ion Ratio Lower Upper
77 100
123 46.7 39.0 58.4
65 11.6 10.2 15.4





#25
Isophorone
Concen: 7.401 ng
RT: 9.280 min Scan# 1139
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

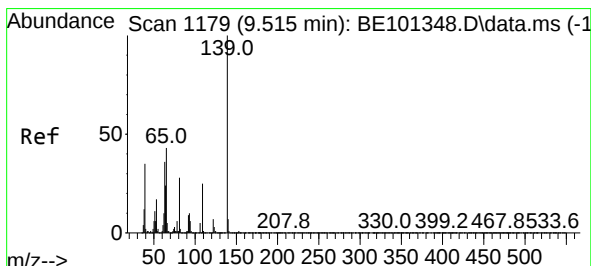
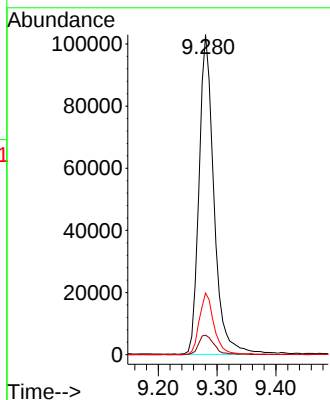
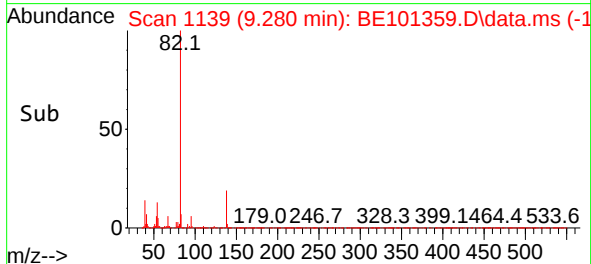
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 82 Resp: 18192
Ion Ratio Lower Upper
82 100
95 6.1 5.2 7.8
138 19.3 15.0 22.6

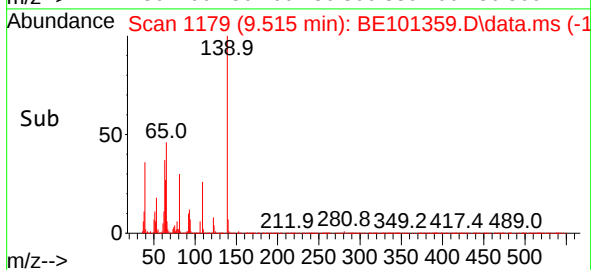
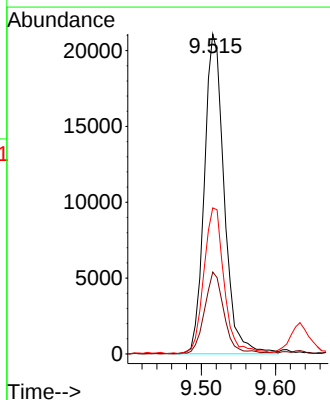
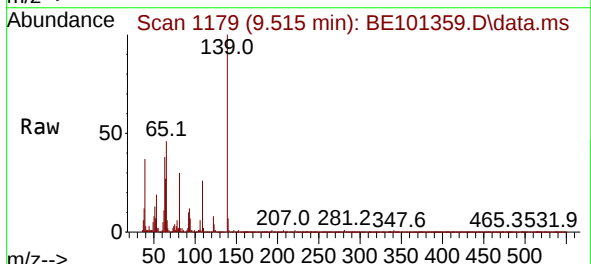
Manual Integrations
APPROVED

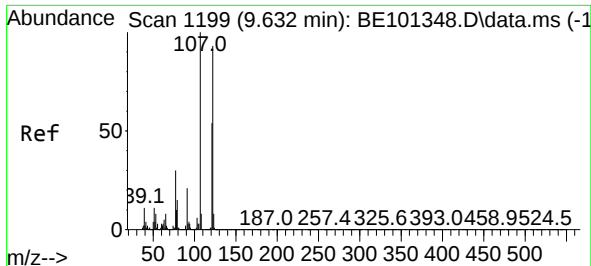
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#26
2-Nitrophenol
Concen: 6.477 ng
RT: 9.515 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

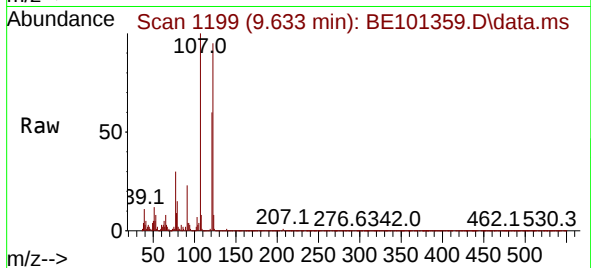
Tgt Ion:139 Resp: 39182
Ion Ratio Lower Upper
139 100
109 25.6 19.8 29.6
65 45.7 34.6 52.0





#27
2,4-Dimethylphenol
Concen: 5.414 ng
RT: 9.633 min Scan# 1199
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

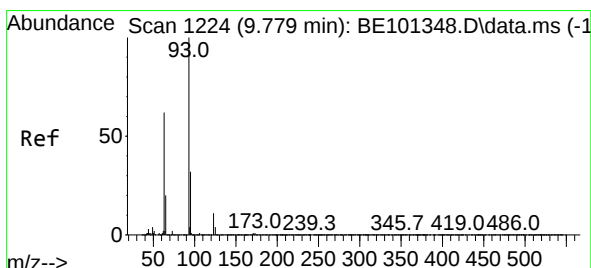
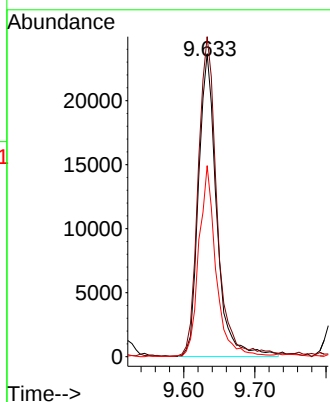
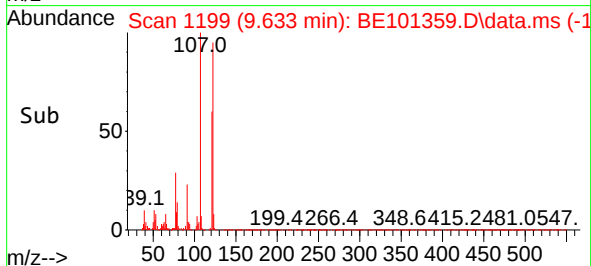
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion: 122 Resp: 42048
Ion Ratio Lower Upper
122 100
107 105.6 86.4 129.6
121 63.0 46.3 69.5

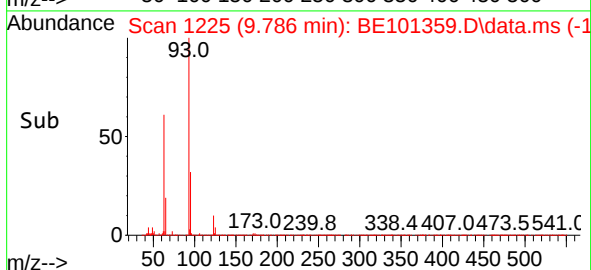
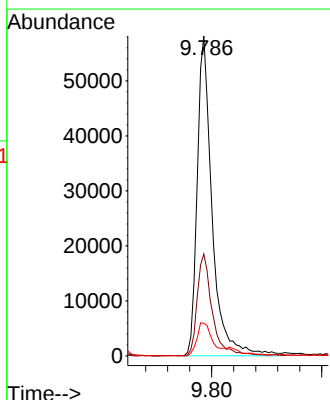
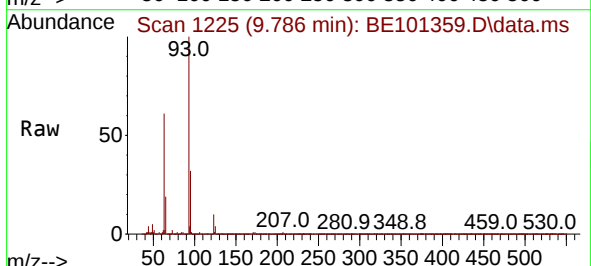
Manual Integrations
APPROVED

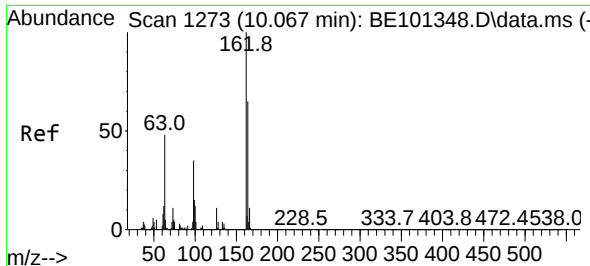
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#28
bis(2-Chloroethoxy)methane
Concen: 7.365 ng
RT: 9.786 min Scan# 1225
Delta R.T. 0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 93 Resp: 109497
Ion Ratio Lower Upper
93 100
95 31.8 26.0 39.0
123 10.2 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 6.953 ng

RT: 10.062 min Scan# 1273

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

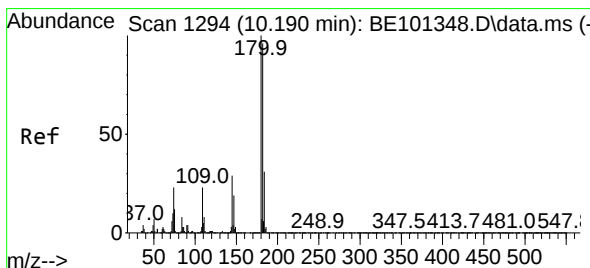
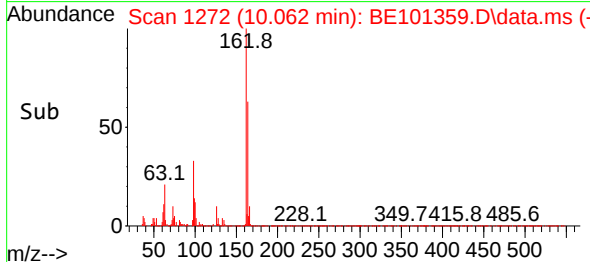
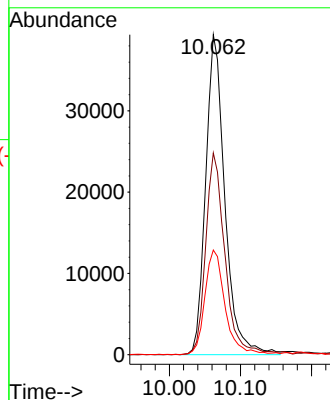
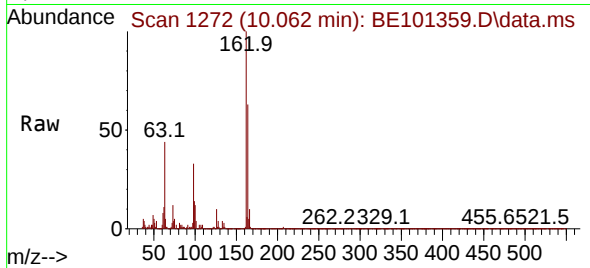
LOQ-SOIL-02-QT2-2024

Tgt Ion:162	Resp:	7395
Ion Ratio	Lower	Upper
162	100	
164	63.1	44.6 84.6
98	32.7	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: 7.260 ng

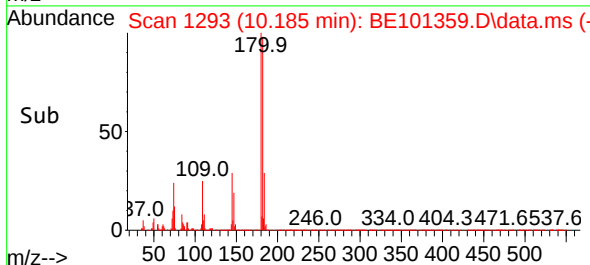
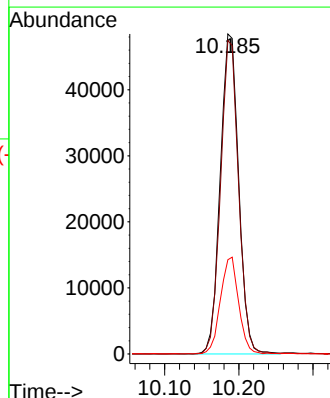
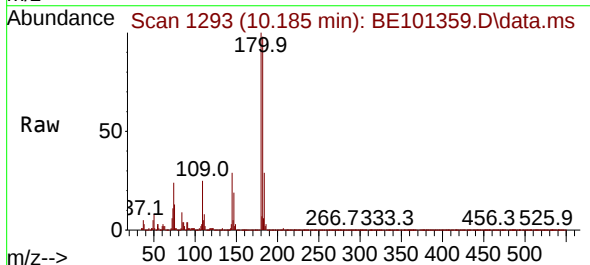
RT: 10.185 min Scan# 1293

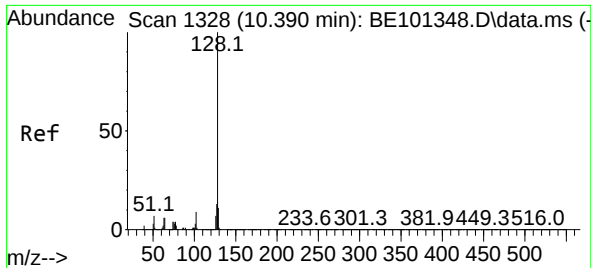
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

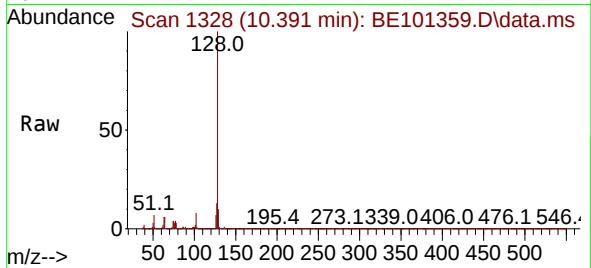
Tgt Ion:180	Resp:	83456
Ion Ratio	Lower	Upper
180	100	
182	98.0	76.6 114.8
145	29.5	23.5 35.3





#31
Naphthalene
Concen: 7.415 ng
RT: 10.391 min Scan# 11
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

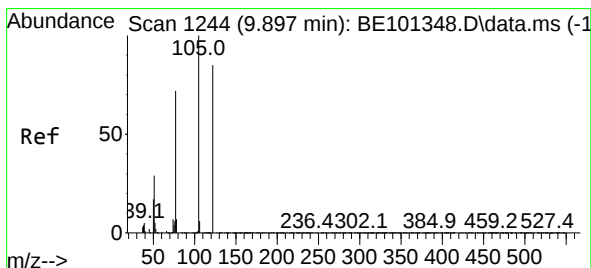
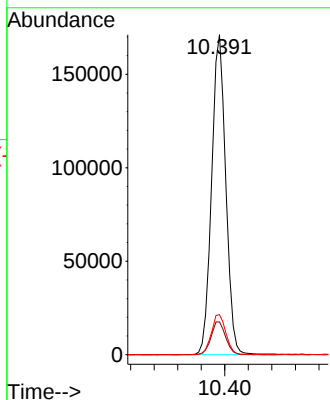
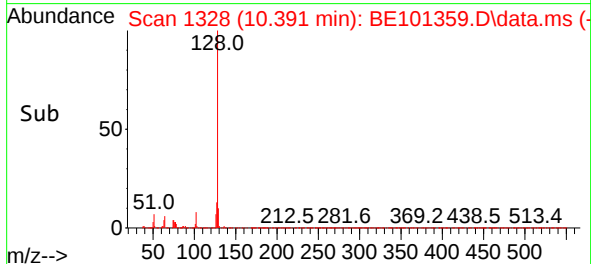
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



Tgt Ion:128 Resp: 284804
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.5 10.3 15.5

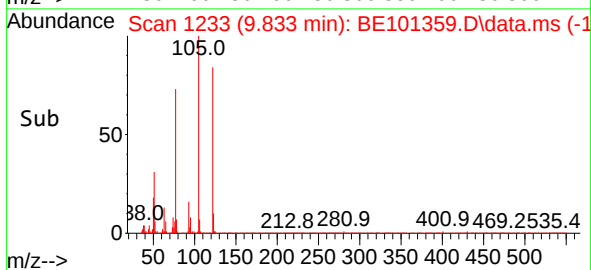
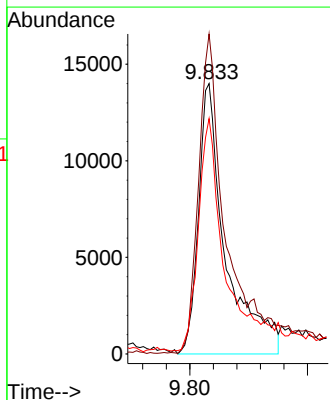
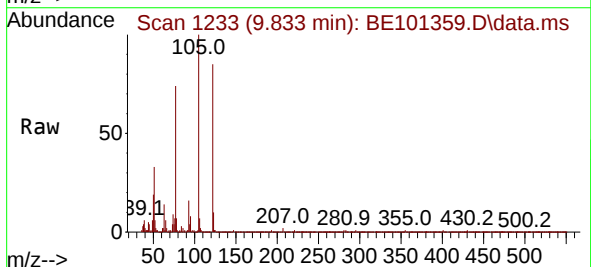
Manual Integrations
APPROVED

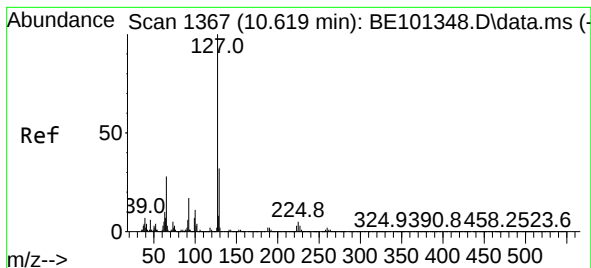
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#32
Benzoic acid
Concen: 11.935 ng
RT: 9.833 min Scan# 1233
Delta R.T. -0.064 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

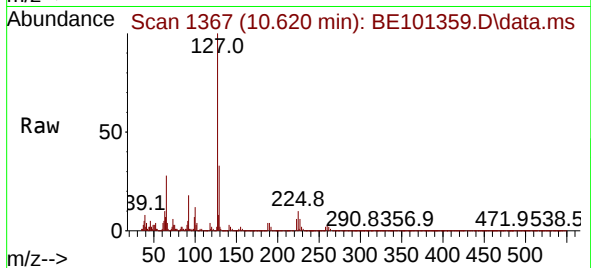
Tgt Ion:122 Resp: 44884
Ion Ratio Lower Upper
122 100
105 118.3 96.7 136.7
77 87.0 64.8 104.8





#33
4-Chloroaniline
Concen: 7.239 ng
RT: 10.620 min Scan# 1367
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

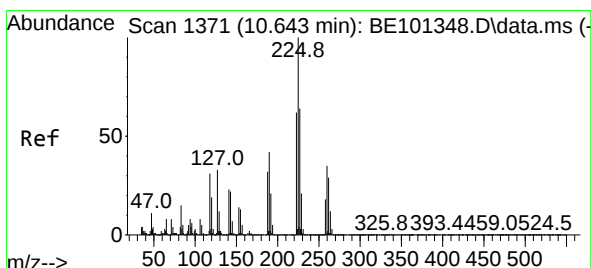
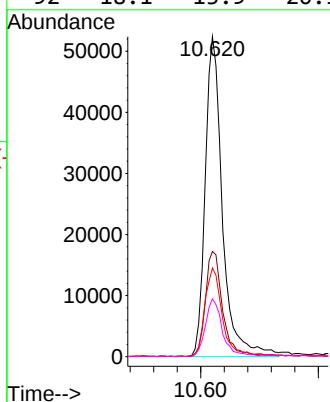
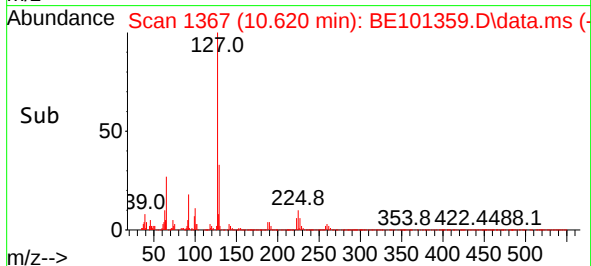
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.8	38.8
65	27.7	22.5	33.7
92	18.1	13.9	20.9

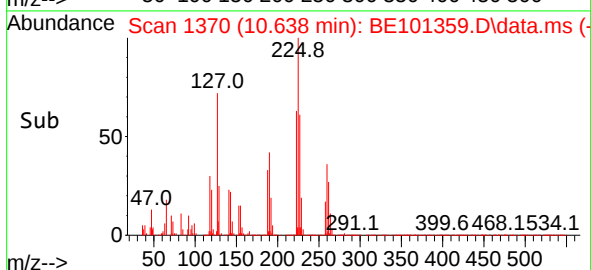
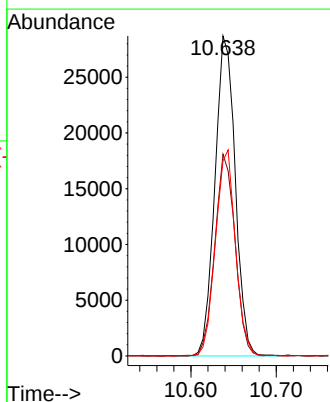
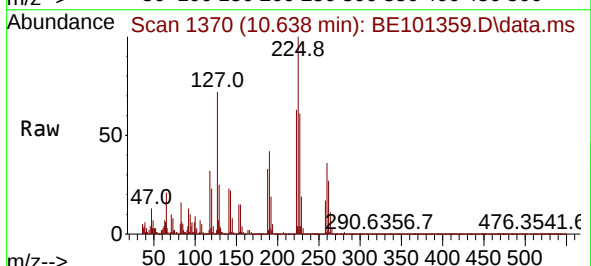
Manual Integrations
APPROVED

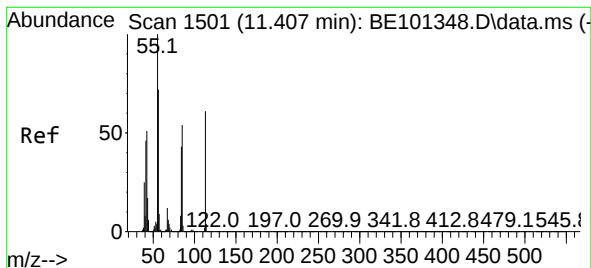
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#34
Hexachlorobutadiene
Concen: 7.123 ng
RT: 10.638 min Scan# 1370
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

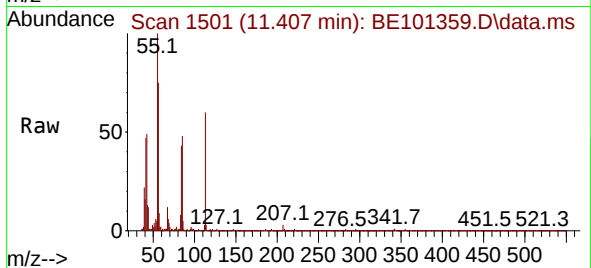
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	61.0	51.3	76.9





#35
Caprolactam
Concen: 6.500 ng m
RT: 11.407 min Scan# 1501
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

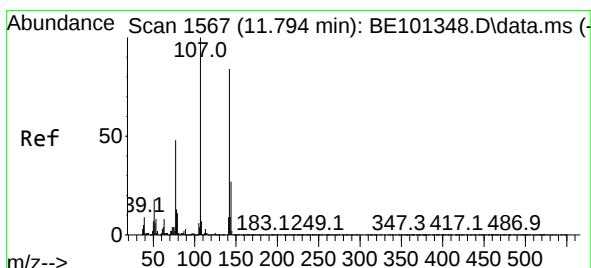
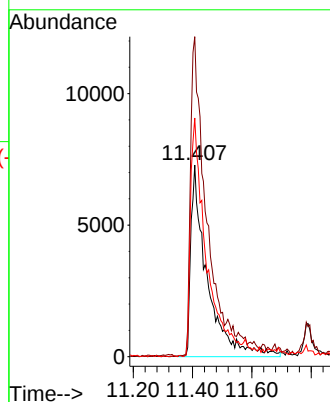
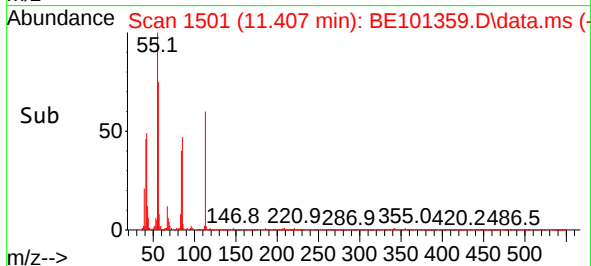
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



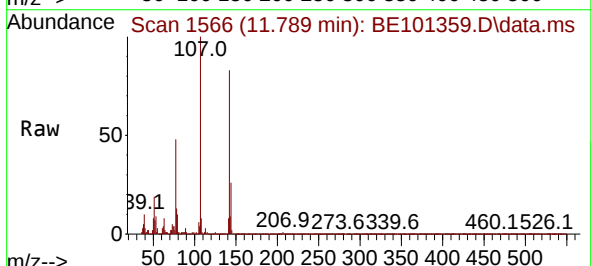
Tgt Ion:113 Resp: 27929
Ion Ratio Lower Upper
113 100
55 166.9 144.8 184.8
56 124.5 99.3 139.3

Manual Integrations
APPROVED

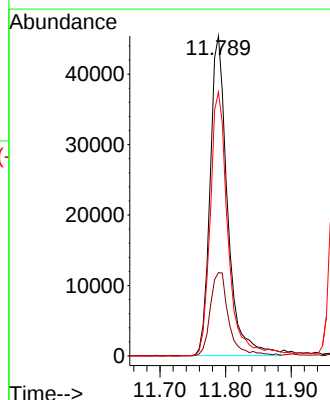
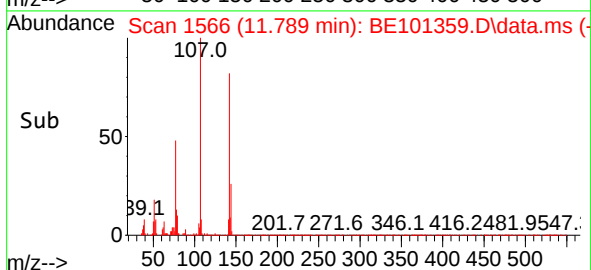
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

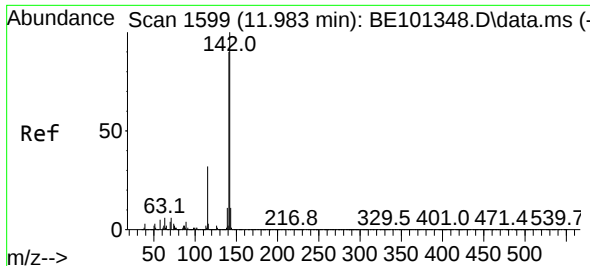


#36
4-Chloro-3-methylphenol
Concen: 6.670 ng
RT: 11.789 min Scan# 1566
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



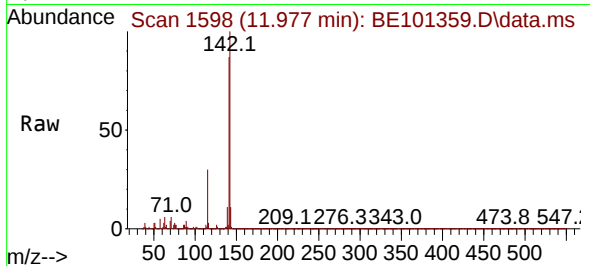
Tgt Ion:107 Resp: 83822
Ion Ratio Lower Upper
107 100
144 26.1 21.9 32.9
142 82.5 67.4 101.2





#37
2-Methylnaphthalene
Concen: 7.316 ng
RT: 11.977 min Scan# 1598
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

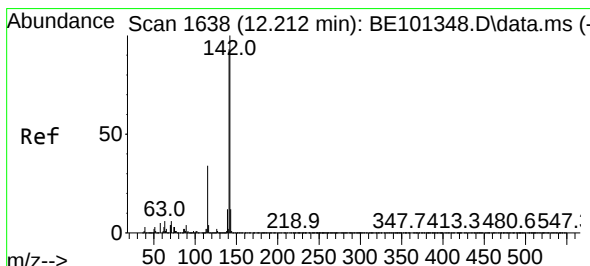
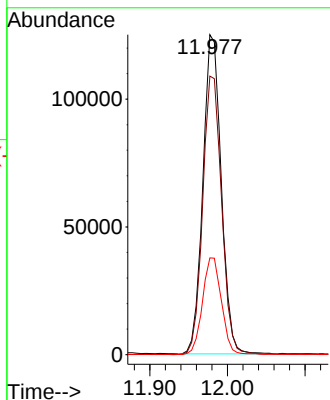
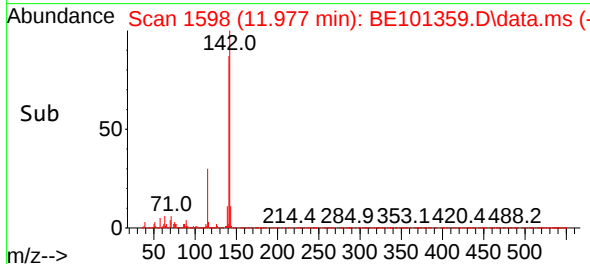
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



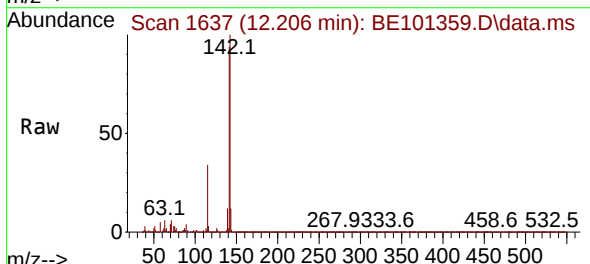
Tgt Ion:142 Resp: 205504
Ion Ratio Lower Upper
142 100
141 87.1 71.8 107.6
115 30.2 25.6 38.4

Manual Integrations
APPROVED

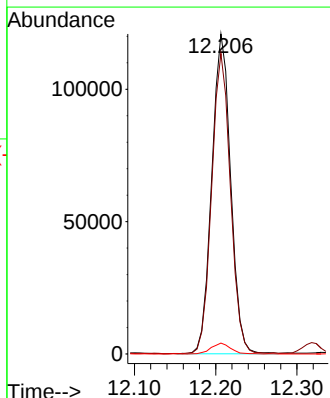
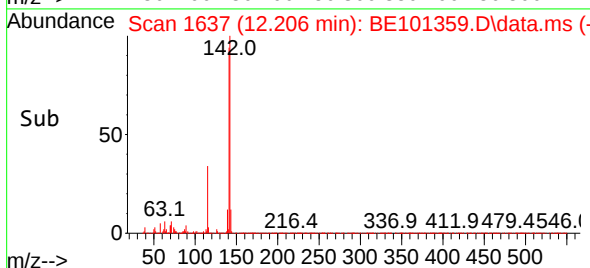
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

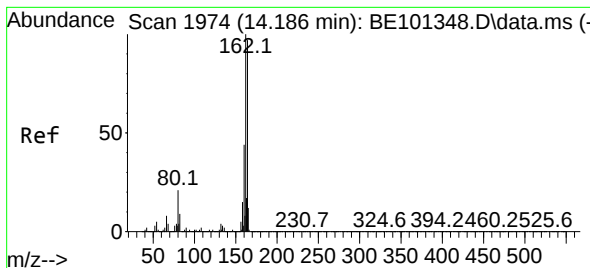


#38
1-Methylnaphthalene
Concen: 6.930 ng
RT: 12.206 min Scan# 1637
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



Tgt Ion:142 Resp: 195281
Ion Ratio Lower Upper
142 100
141 93.9 74.3 111.5
116 3.4 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.180 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

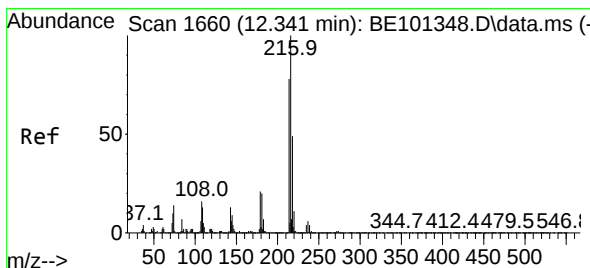
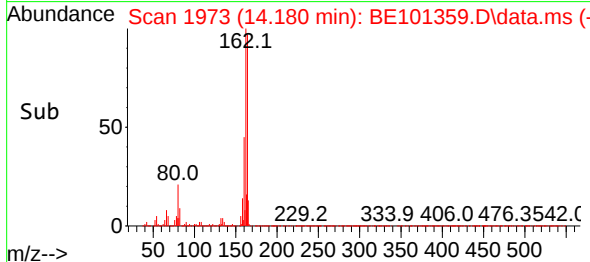
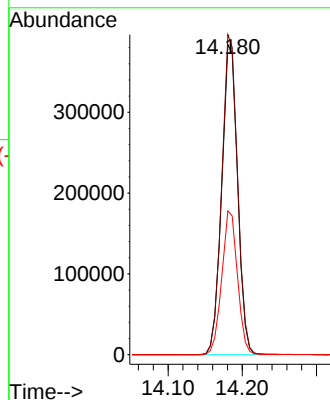
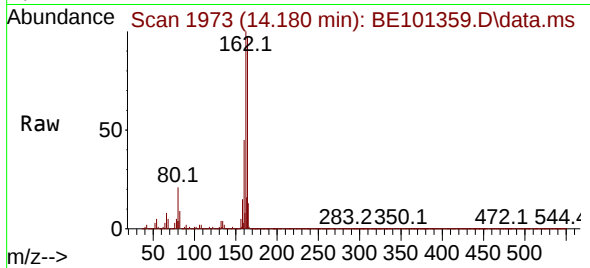
LOQ-SOIL-02-QT2-2024

Tgt Ion:164	Resp: 57000
Ion Ratio	Lower Upper
164	100
162	103.2 82.6 123.8
160	46.4 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: 7.336 ng

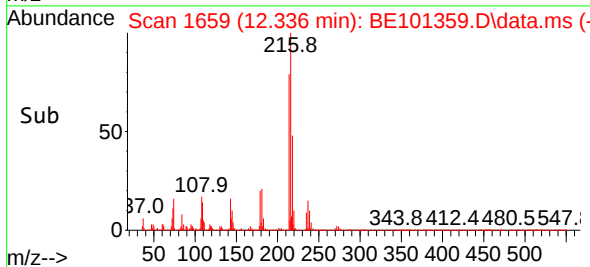
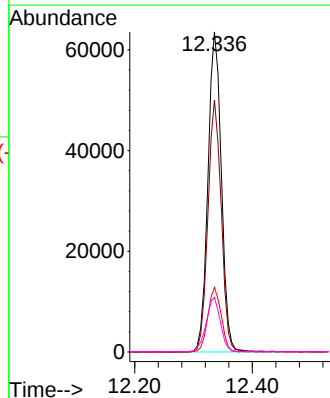
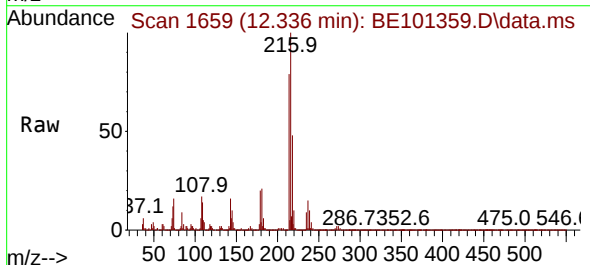
RT: 12.336 min Scan# 1659

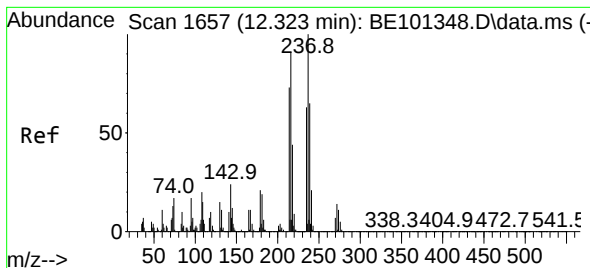
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:216	Resp: 100732
Ion Ratio	Lower Upper
216	100
214	77.8 62.6 94.0
179	20.0 16.9 25.3
108	18.1 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 11.977 ng

RT: 12.318 min Scan# 1

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

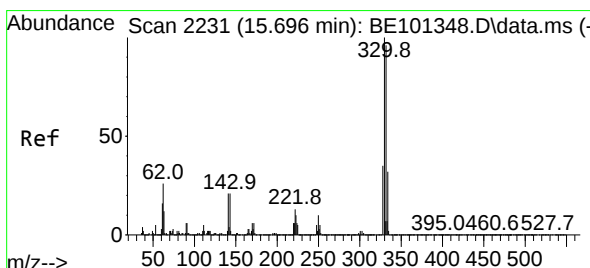
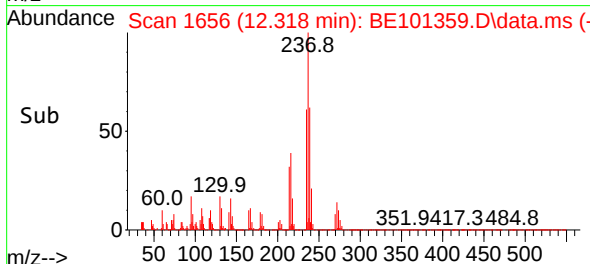
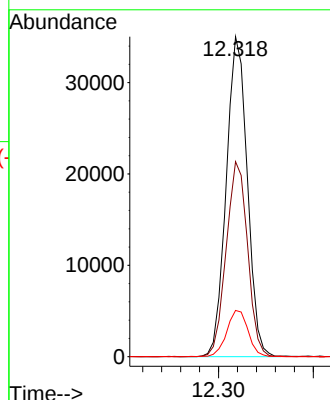
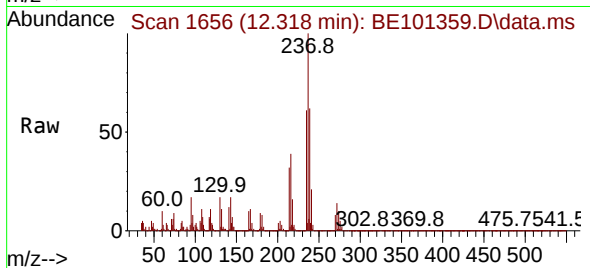
LOQ-SOIL-02-QT2-2024

Tgt Ion:	237	Resp:	5403
Ion Ratio	Lower	Upper	
237	100		
235	61.0	42.9	82.9
272	14.5	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: 90.526 ng

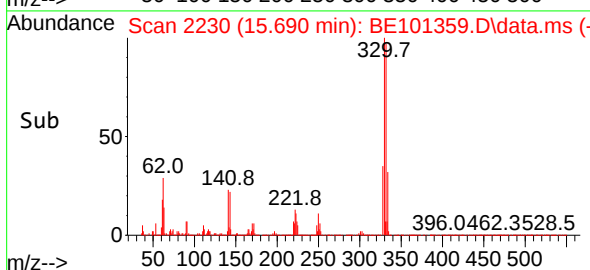
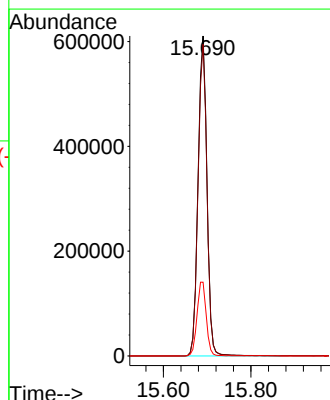
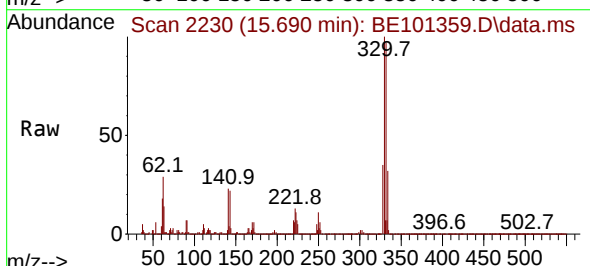
RT: 15.690 min Scan# 2230

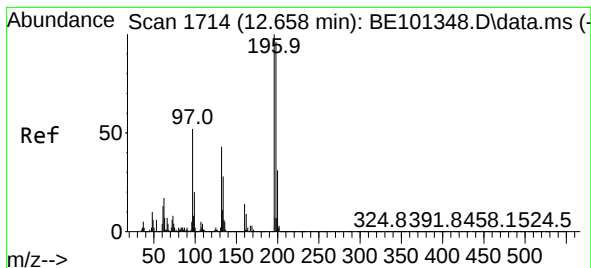
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:	330	Resp:	867893
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.8	116.8
141	23.9	19.1	28.7





#43

2,4,6-Trichlorophenol

Concen: 6.700 ng

RT: 12.659 min Scan# 1714

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

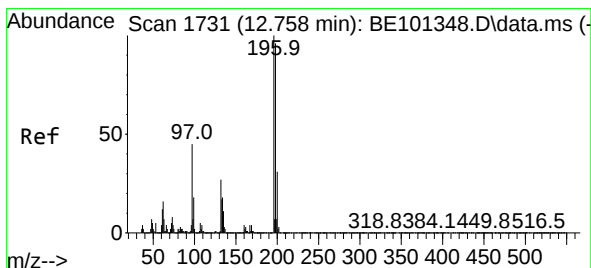
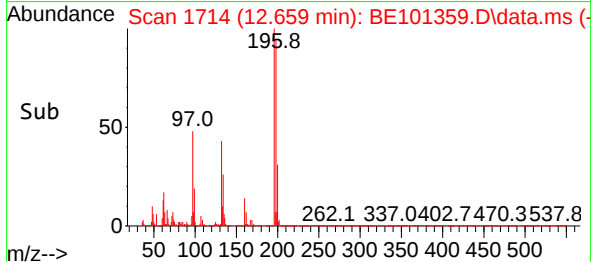
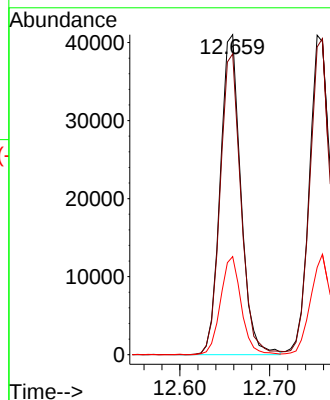
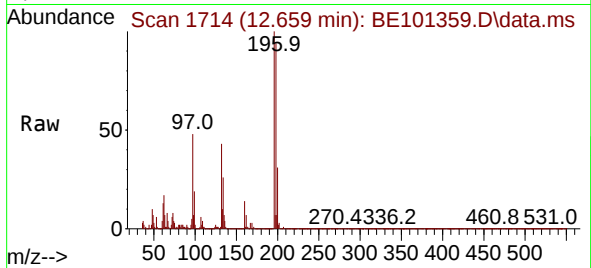
LOQ-SOIL-02-QT2-2024

Tgt Ion:196	Resp: 6515
Ion Ratio	Lower Upper
196	100
198	94.0 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: 6.464 ng

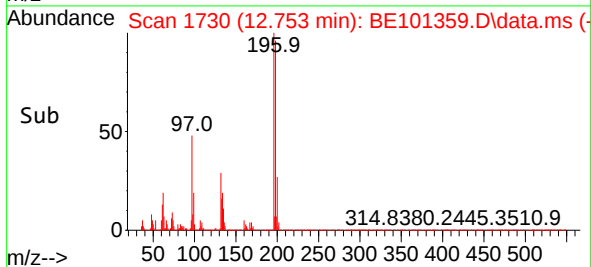
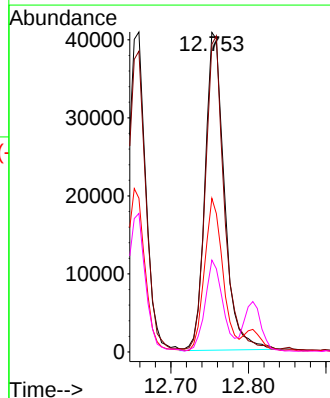
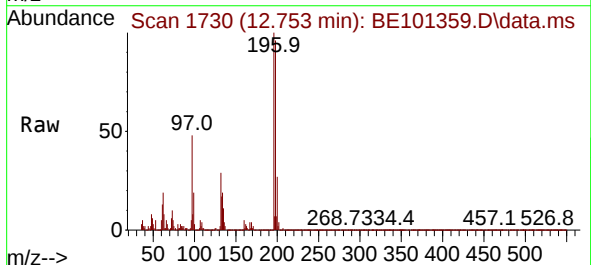
RT: 12.753 min Scan# 1730

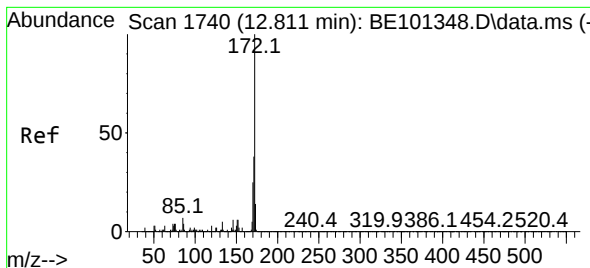
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:196	Resp: 70924
Ion Ratio	Lower Upper
196	100
198	96.3 76.9 115.3
97	48.1 36.2 54.2
132	28.8 22.0 33.0





#45

2-Fluorobiphenyl

Concen: 63.737 ng

RT: 12.806 min Scan# 1739

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:172 Resp: 2102379

Ion Ratio Lower Upper

172 100

171 36.3 30.2 45.2

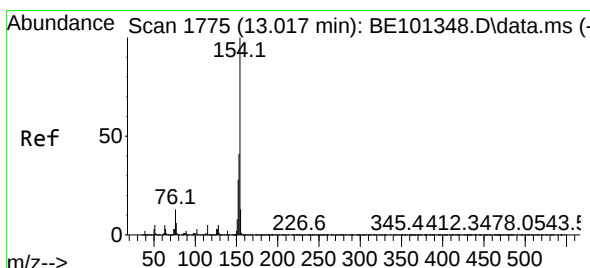
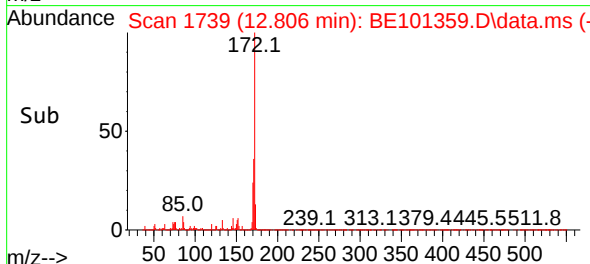
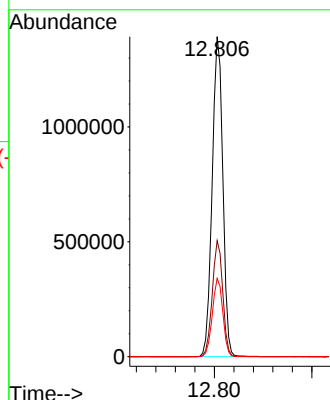
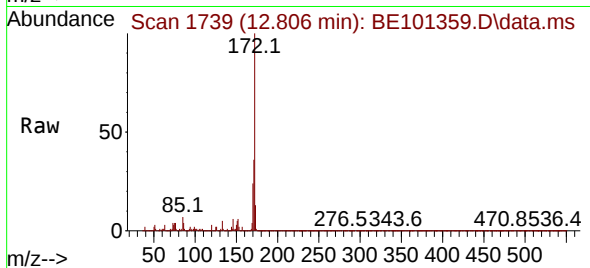
170 24.5 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#46

1,1'-Biphenyl

Concen: 7.581 ng

RT: 13.011 min Scan# 1774

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

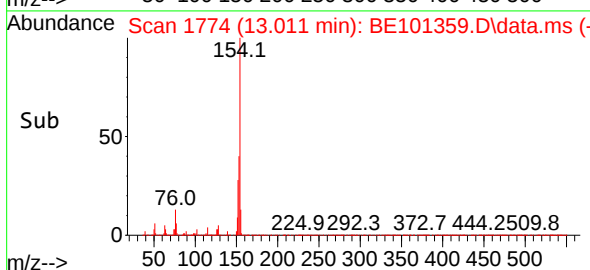
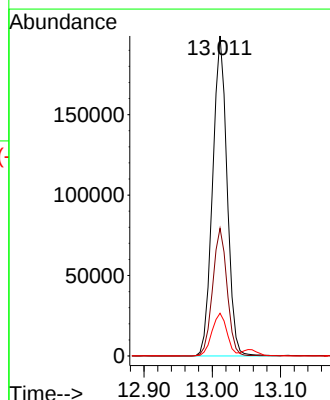
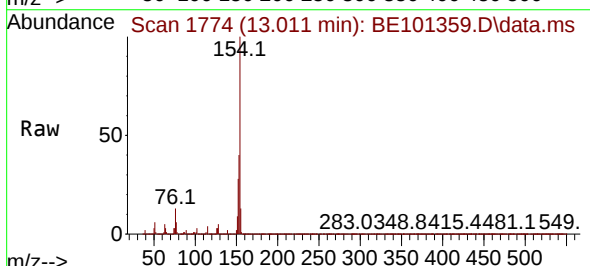
Tgt Ion:154 Resp: 292840

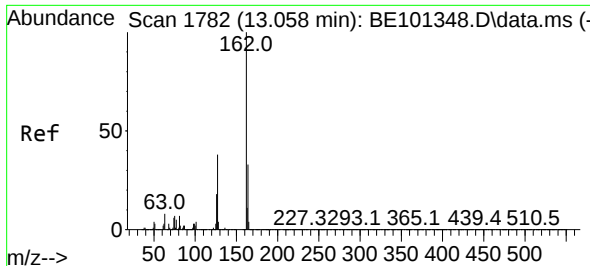
Ion Ratio Lower Upper

154 100

153 39.9 21.2 61.2

76 13.3 0.0 33.4





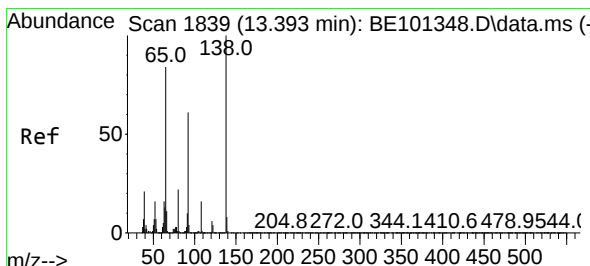
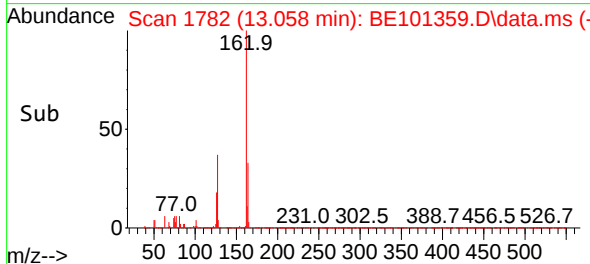
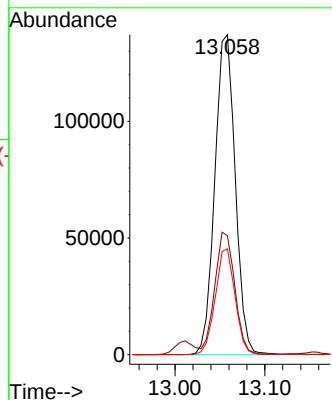
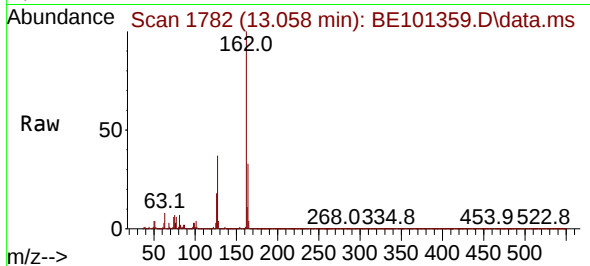
#47
2-Chloronaphthalene
Concen: 7.121 ng
RT: 13.058 min Scan# 11
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:162 Resp: 21636
Ion Ratio Lower Upper
162 100
127 37.2 31.2 46.8
164 33.1 26.2 39.2

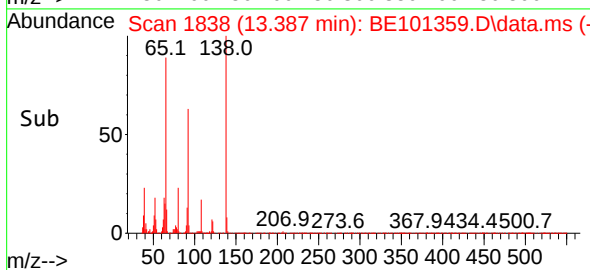
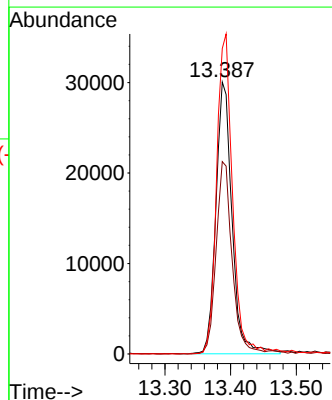
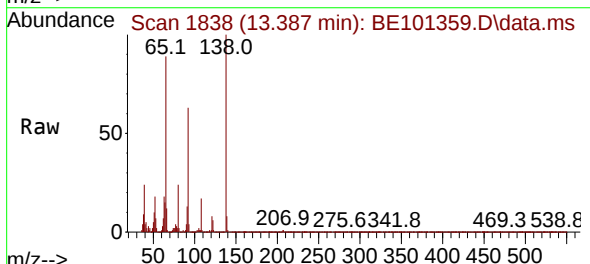
Manual Integrations
APPROVED

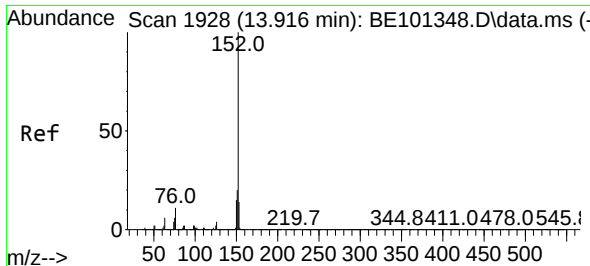
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#48
2-Nitroaniline
Concen: 6.274 ng
RT: 13.387 min Scan# 1838
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 65 Resp: 51292
Ion Ratio Lower Upper
65 100
92 70.7 58.3 87.5
138 112.3 95.0 142.4





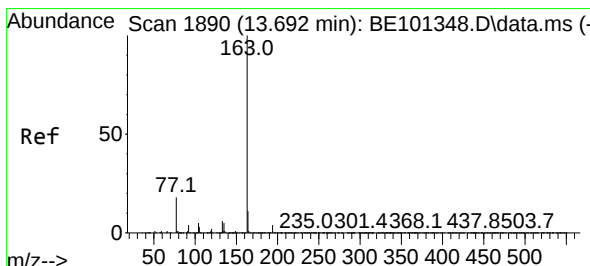
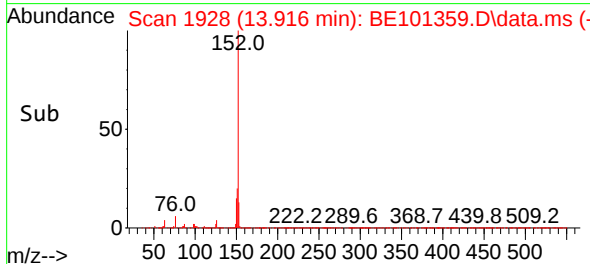
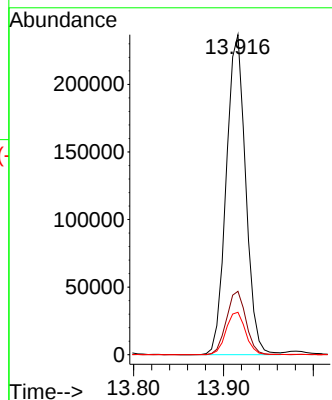
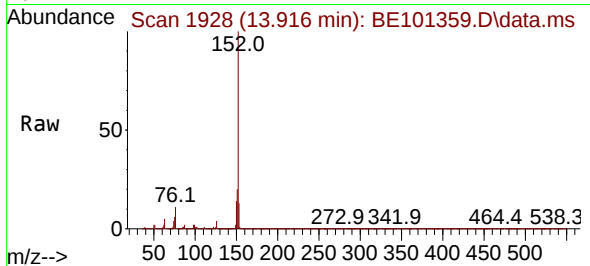
#49
Acenaphthylene
Concen: 7.830 ng
RT: 13.916 min Scan# 1928
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	13.3	11.1	16.7

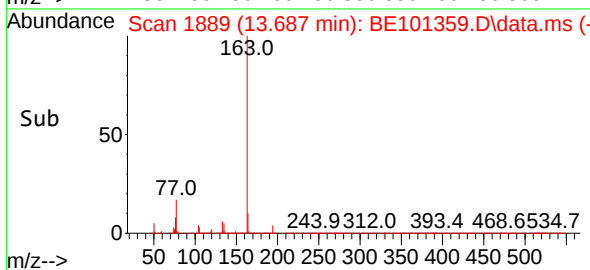
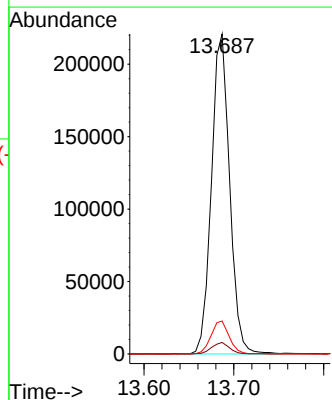
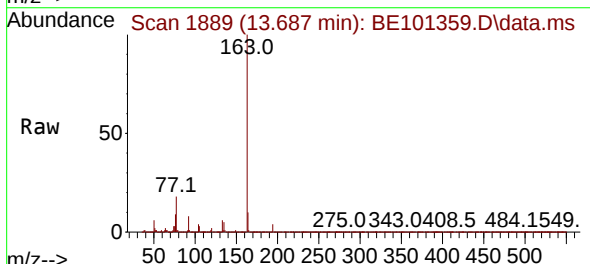
Manual Integrations
APPROVED

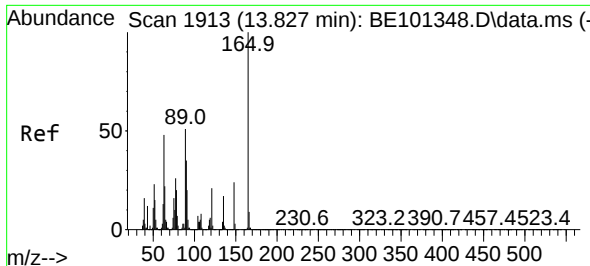
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#50
Dimethylphthalate
Concen: 7.542 ng
RT: 13.687 min Scan# 1889
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

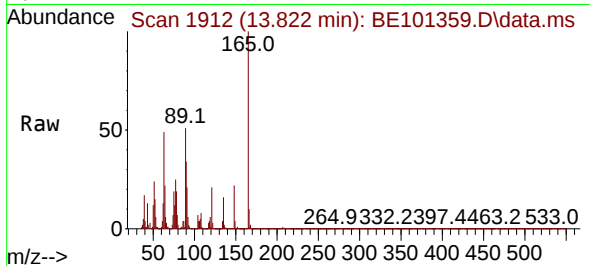
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.3	8.5	12.7





#51
2,6-Dinitrotoluene
Concen: 6.463 ng
RT: 13.822 min Scan# 1913
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

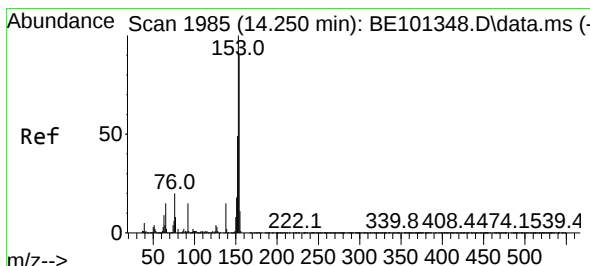
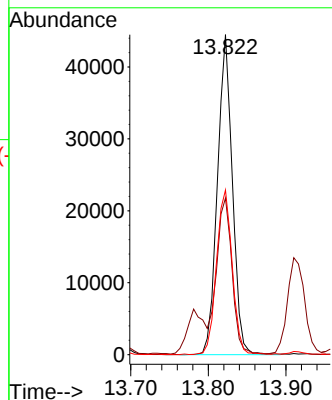
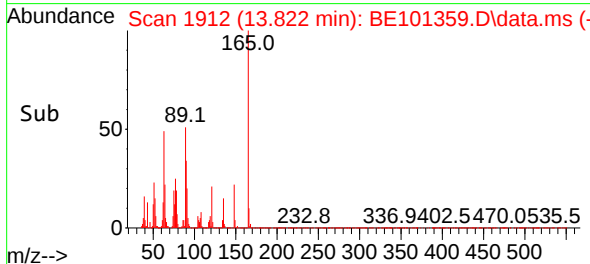
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



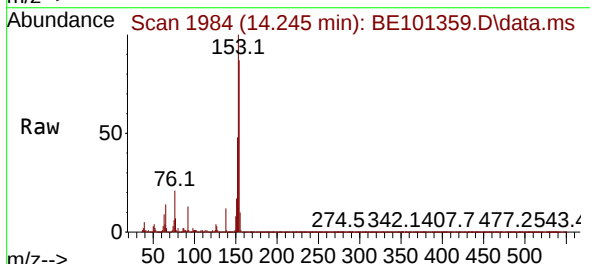
Tgt Ion:165 Resp: 59489
Ion Ratio Lower Upper
165 100
63 48.9 38.5 57.7
89 51.4 40.5 60.7

Manual Integrations
APPROVED

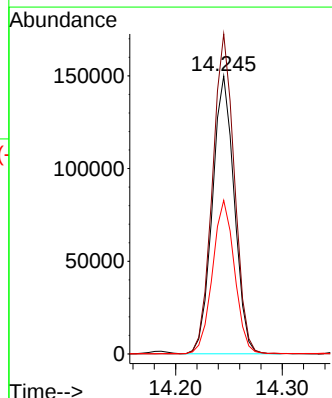
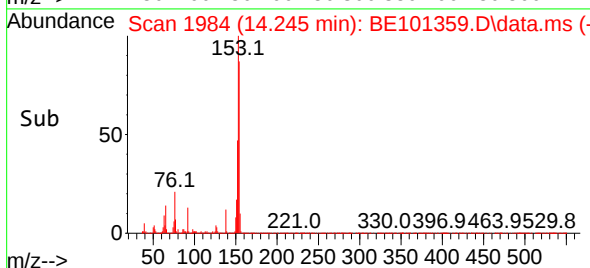
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

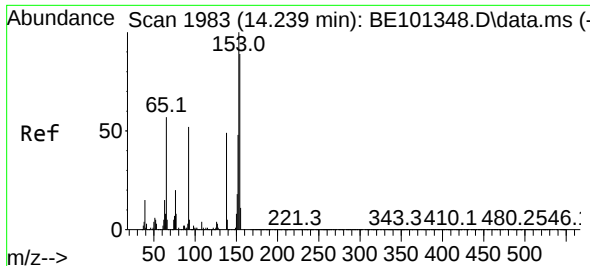


#52
Acenaphthene
Concen: 7.160 ng
RT: 14.245 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



Tgt Ion:154 Resp: 213985
Ion Ratio Lower Upper
154 100
153 115.1 88.8 133.2
152 55.3 43.2 64.8





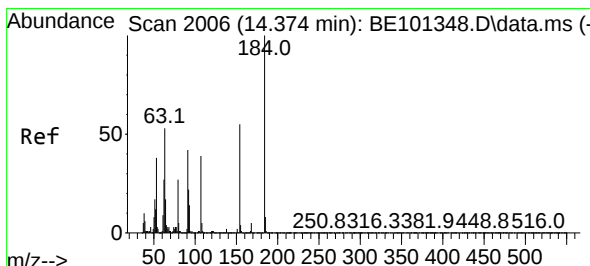
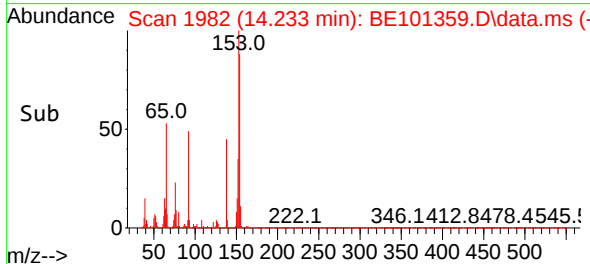
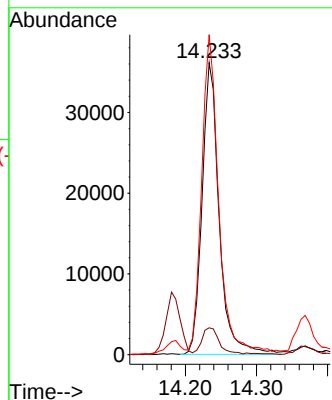
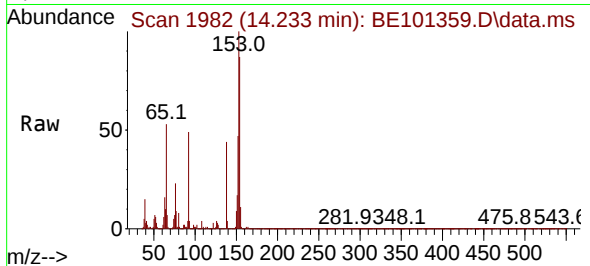
#53
3-Nitroaniline
Concen: 6.400 ng
RT: 14.233 min Scan# 1983
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:138 Resp: 6060
Ion Ratio Lower Upper
138 100
108 9.2 7.2 10.8
92 109.6 85.7 128.5

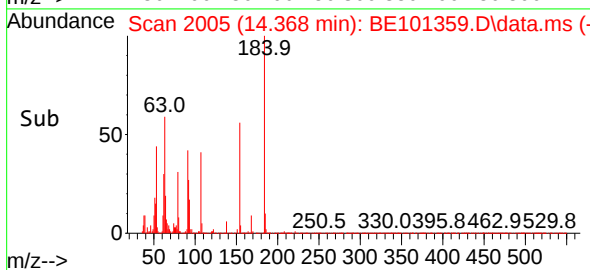
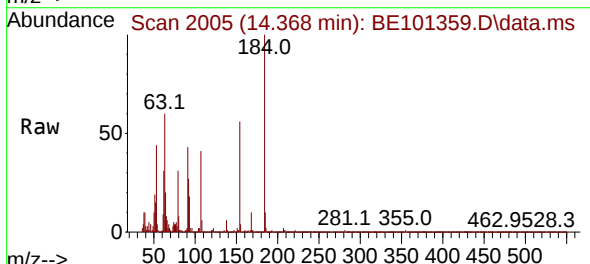
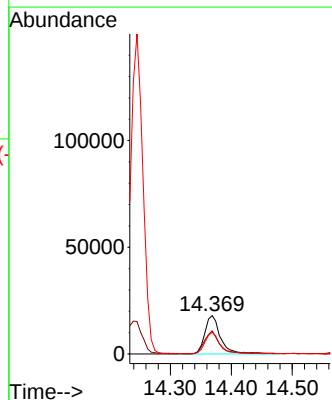
Manual Integrations
APPROVED

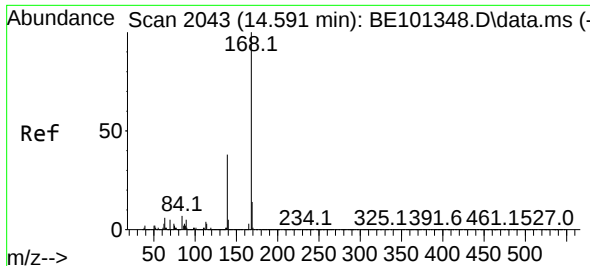
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#54
2,4-Dinitrophenol
Concen: 5.916 ng
RT: 14.368 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:184 Resp: 32418
Ion Ratio Lower Upper
184 100
63 60.2 42.5 63.7
154 56.4 44.2 66.2





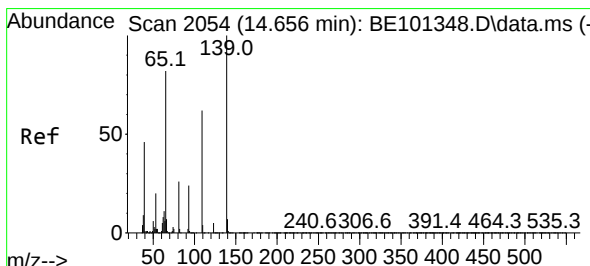
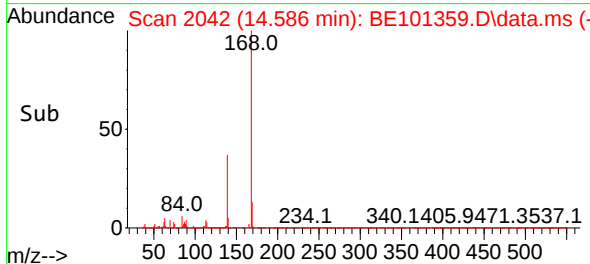
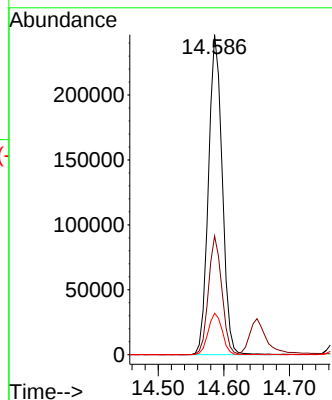
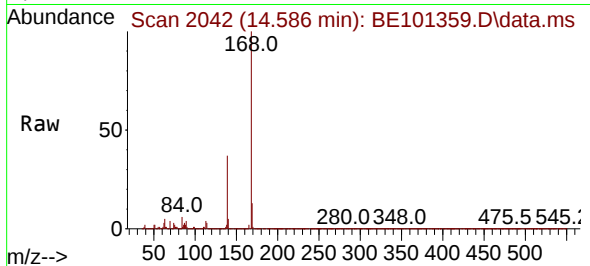
#55
Dibenzenofuran
Concen: 7.617 ng
RT: 14.586 min Scan# 2042
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:168 Resp: 35957
Ion Ratio Lower Upper
168 100
139 37.1 30.5 45.7
169 12.9 11.4 17.2

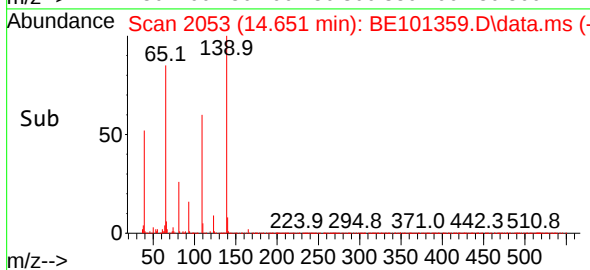
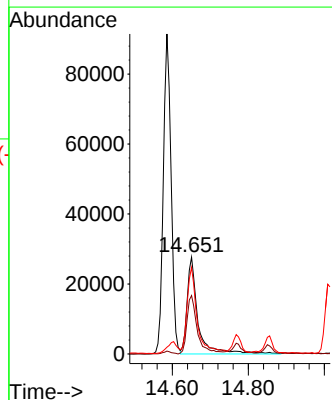
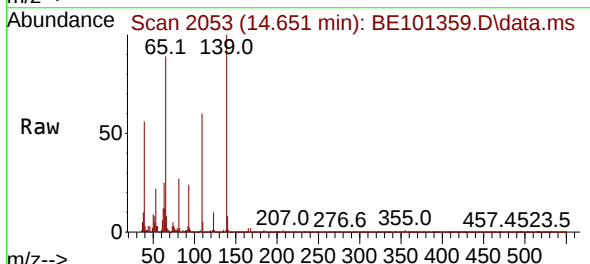
Manual Integrations
APPROVED

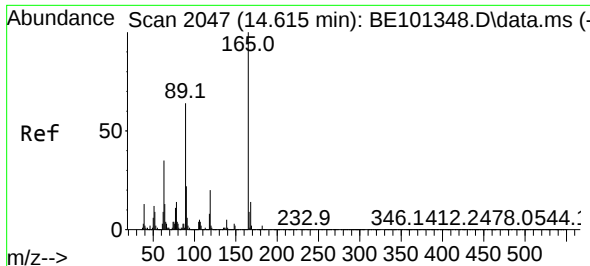
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#56
4-Nitrophenol
Concen: 7.081 ng m
RT: 14.651 min Scan# 2053
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:139 Resp: 55743
Ion Ratio Lower Upper
139 100
109 60.3 41.9 81.9
65 89.5 63.0 103.0





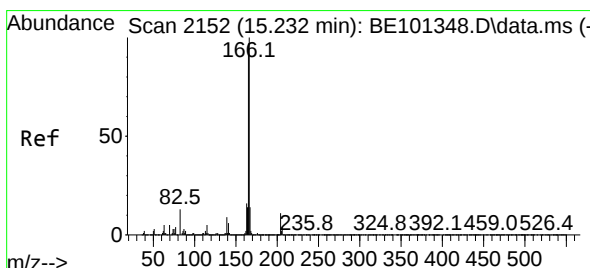
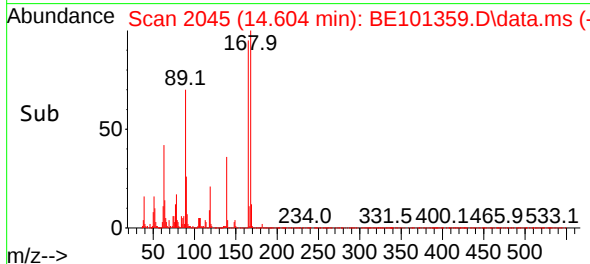
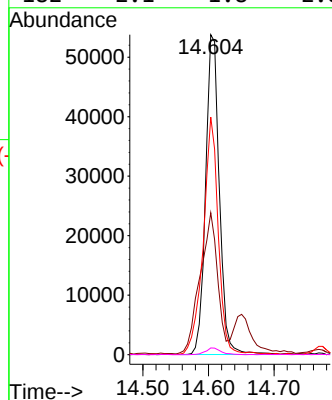
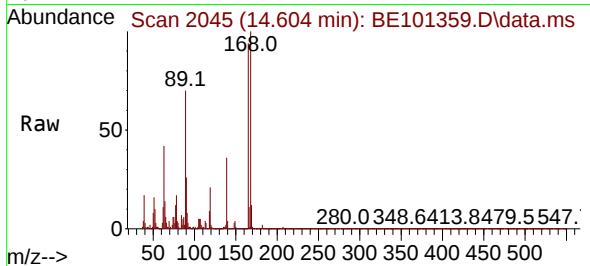
#57
2,4-Dinitrotoluene
Concen: 6.276 ng
RT: 14.604 min Scan# 2045
Delta R.T. -0.011 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:165 Resp: 7863
Ion Ratio Lower Upper
165 100
63 44.3 28.4 42.6
89 74.2 51.0 76.4
182 2.1 1.8 2.8

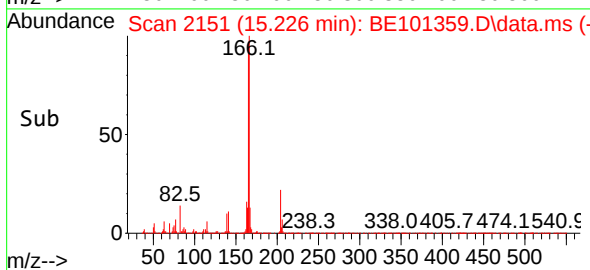
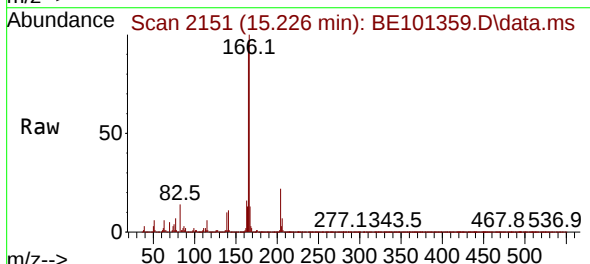
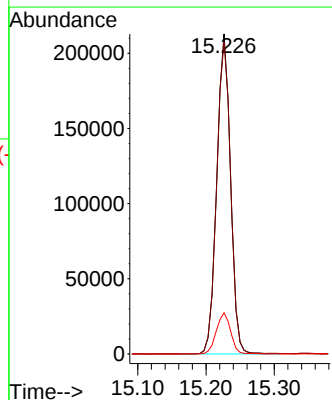
Manual Integrations
APPROVED

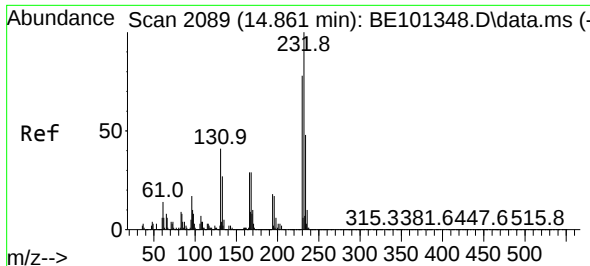
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#58
Fluorene
Concen: 7.501 ng
RT: 15.226 min Scan# 2151
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

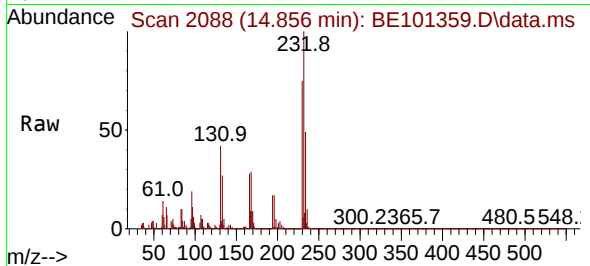
Tgt Ion:166 Resp: 298345
Ion Ratio Lower Upper
166 100
165 97.4 77.8 116.8
167 12.9 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.215 ng
RT: 14.856 min Scan# 2088
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

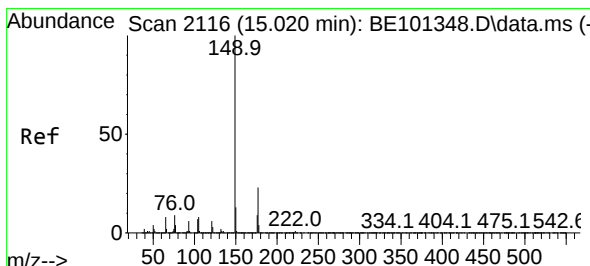
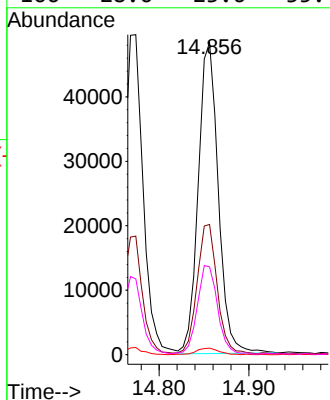
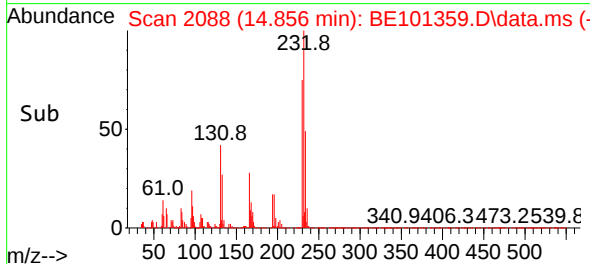
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



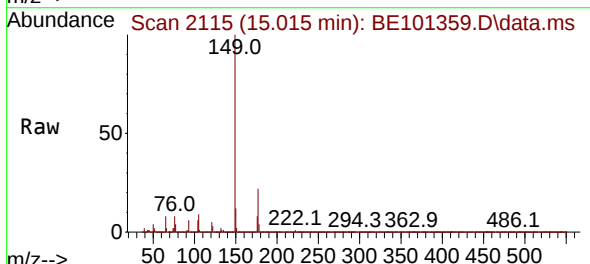
Tgt Ion: 232 Resp: 74861
Ion Ratio Lower Upper
232 100
131 41.8 34.2 51.4
130 2.4 1.8 2.6
166 28.6 23.6 35.4

Manual Integrations
APPROVED

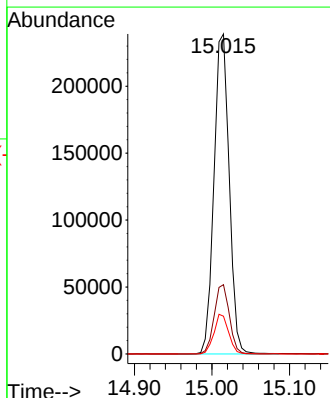
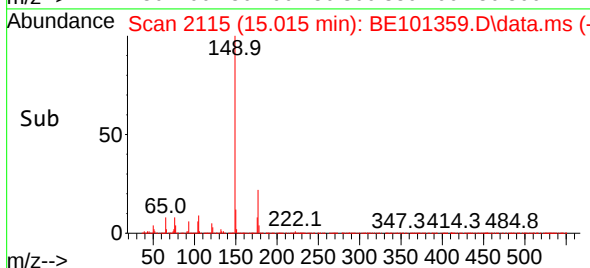
Reviewed By : Jagrut Upadhyay 09/19/2024
Supervised By : mohammad ahmed 09/20/2024

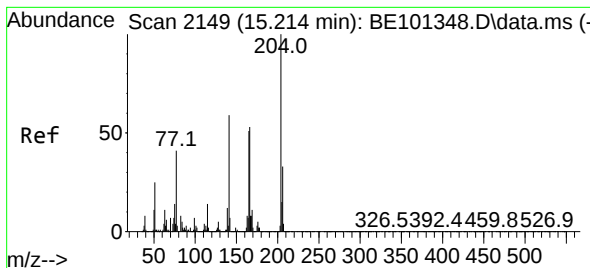


#60
Diethylphthalate
Concen: 7.639 ng
RT: 15.015 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



Tgt Ion: 149 Resp: 325966
Ion Ratio Lower Upper
149 100
177 21.7 18.4 27.6
150 11.8 10.0 15.0





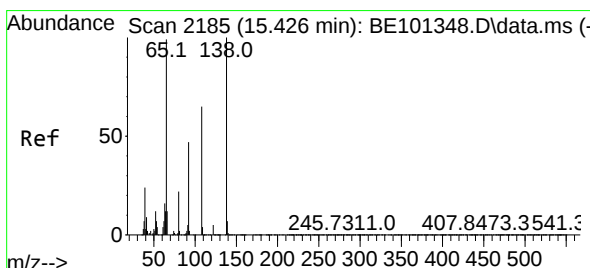
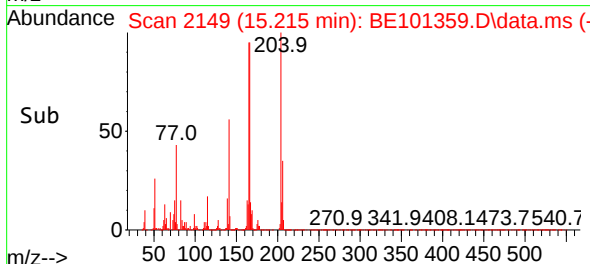
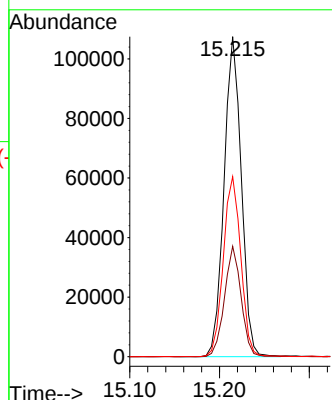
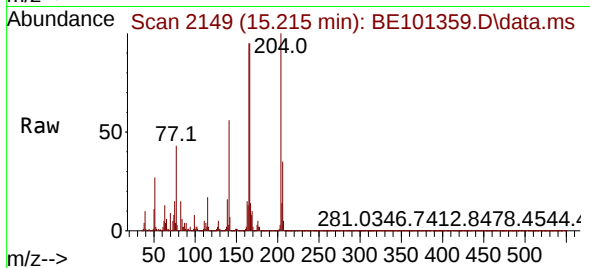
#61
4-Chlorophenyl-phenylether
Concen: 7.346 ng
RT: 15.215 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:204 Resp: 14332
Ion Ratio Lower Upper
204 100
206 34.5 26.2 39.2
141 56.3 47.2 70.8

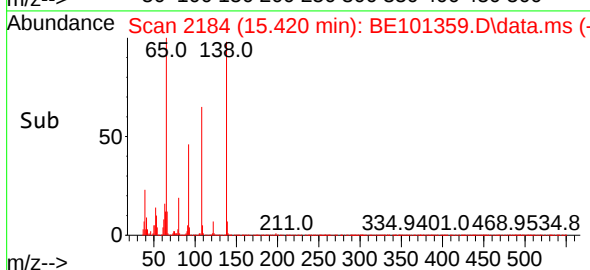
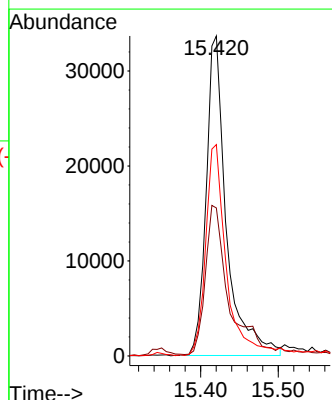
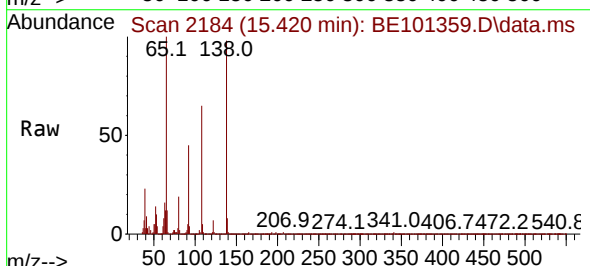
Manual Integrations
APPROVED

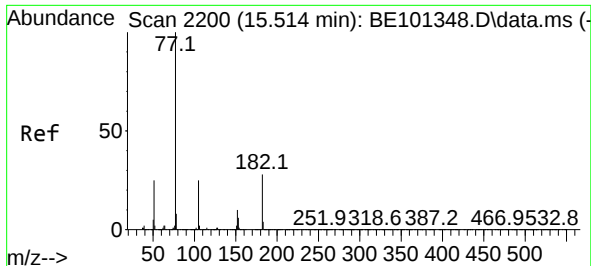
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#62
4-Nitroaniline
Concen: 6.194 ng
RT: 15.420 min Scan# 2184
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

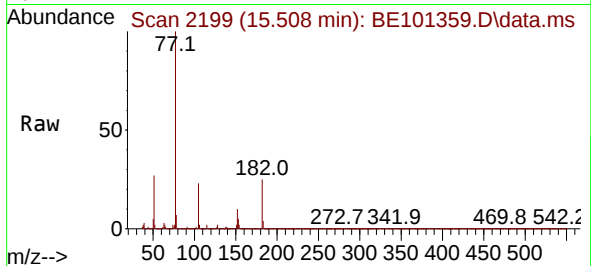
Tgt Ion:138 Resp: 61124
Ion Ratio Lower Upper
138 100
92 46.3 26.8 66.8
108 66.0 44.7 84.7





#63
Azobenzene
Concen: 7.581 ng
RT: 15.508 min Scan# 2199
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

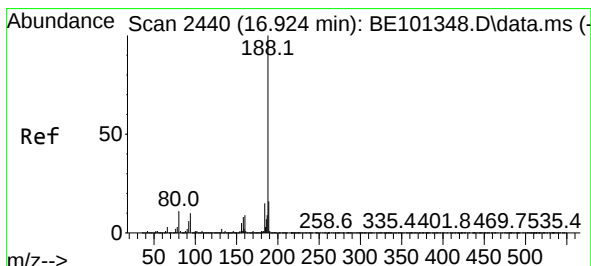
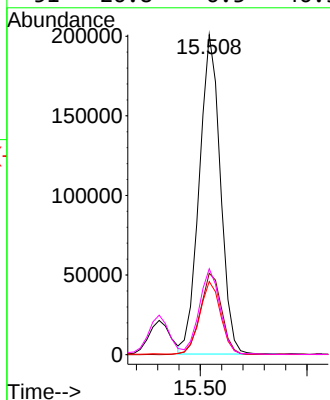
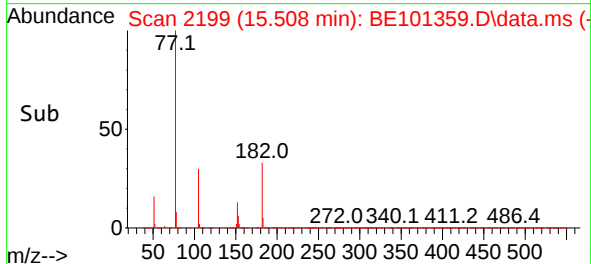
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024



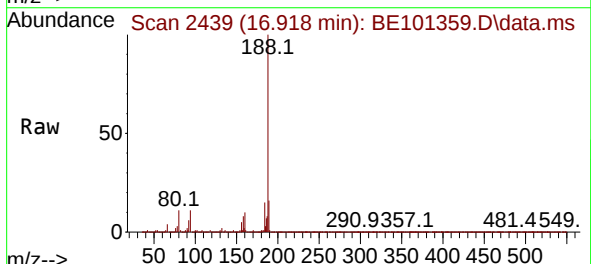
Tgt Ion: 77 Resp: 27645
Ion Ratio Lower Upper
77 100
182 25.5 7.8 47.8
105 22.9 4.3 44.3
51 26.8 6.3 46.3

Manual Integrations
APPROVED

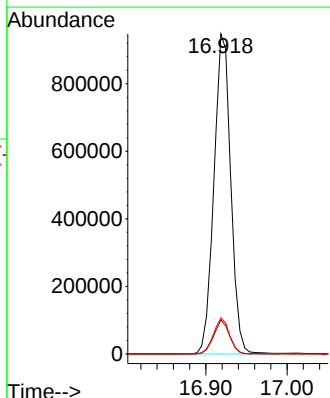
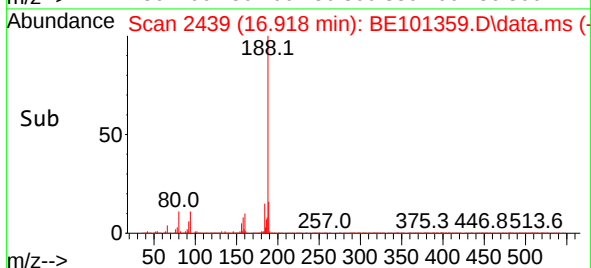
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

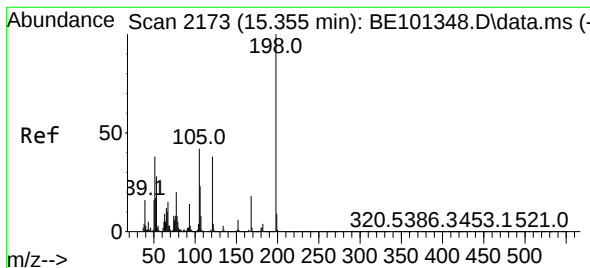


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



Tgt Ion:188 Resp: 1361167
Ion Ratio Lower Upper
188 100
94 10.7 8.2 12.2
80 11.3 8.6 13.0





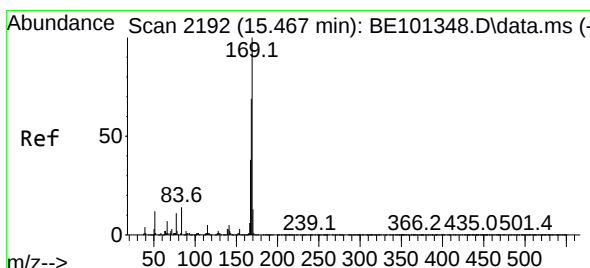
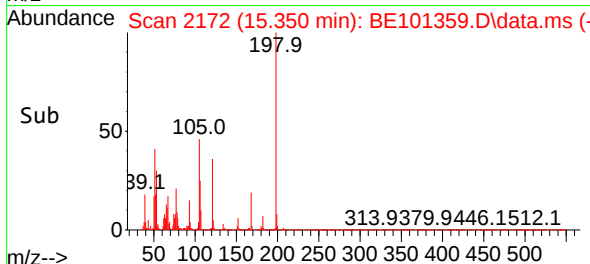
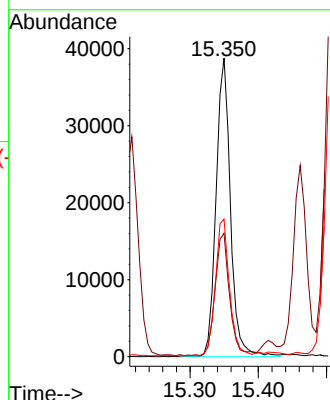
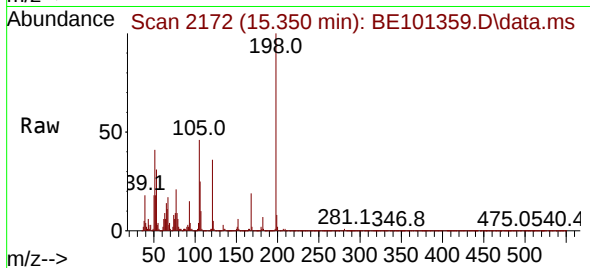
#65
4,6-Dinitro-2-methylphenol
Concen: 7.341 ng
RT: 15.350 min Scan# 2173
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:198 Resp: 56739
Ion Ratio Lower Upper
198 100
51 41.3 18.1 58.1
105 46.1 22.0 62.0

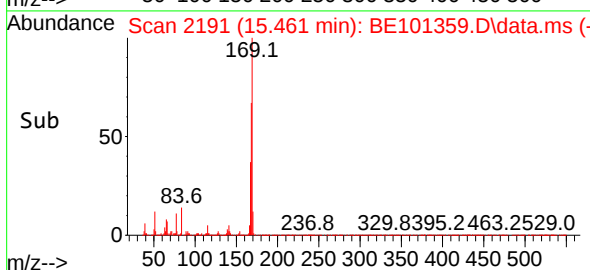
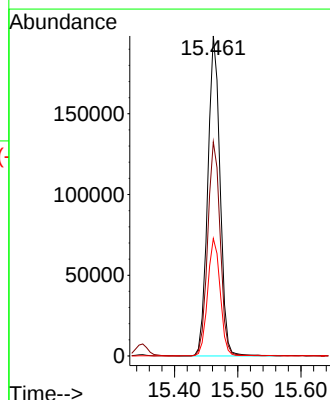
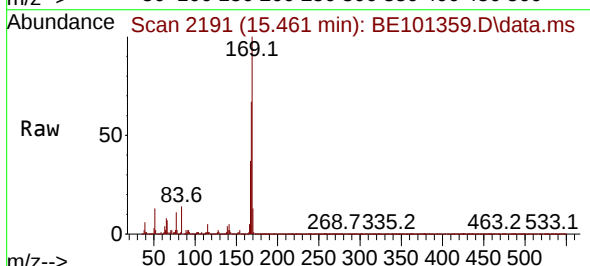
Manual Integrations
APPROVED

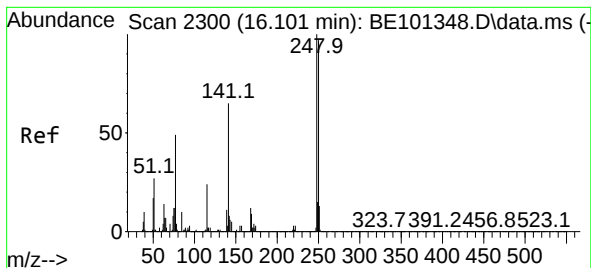
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#66
n-Nitrosodiphenylamine
Concen: 7.358 ng
RT: 15.461 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

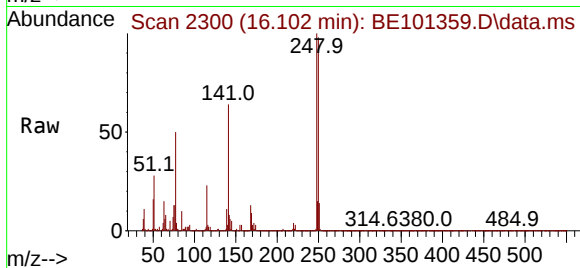
Tgt Ion:169 Resp: 266973
Ion Ratio Lower Upper
169 100
168 66.9 55.1 82.7
167 36.7 30.5 45.7





#67
4-Bromophenyl-phenylether
Concen: 7.002 ng
RT: 16.102 min Scan# 2300
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

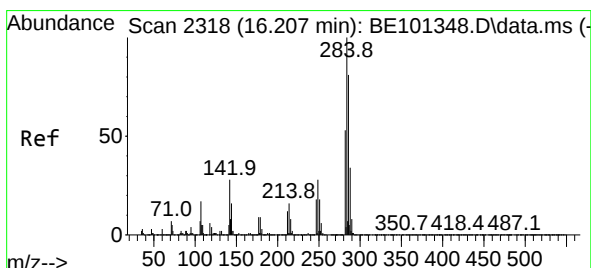
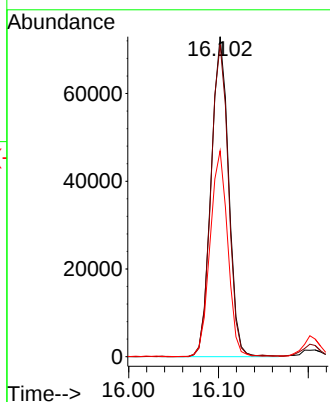
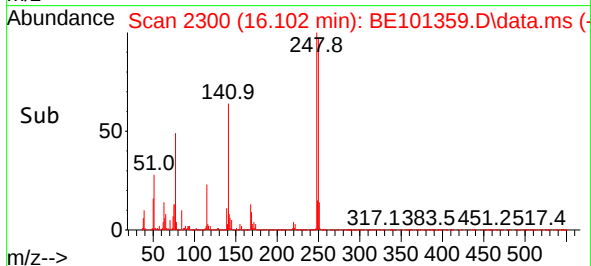
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024



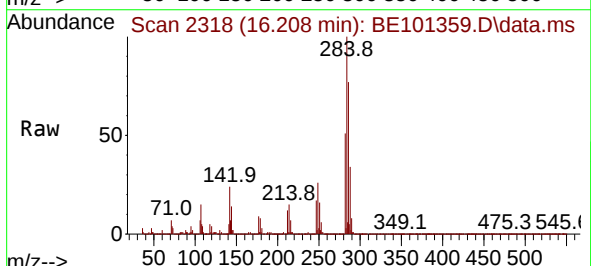
Tgt Ion:248 Resp: 99014
Ion Ratio Lower Upper
248 100
250 97.5 77.7 116.5
141 64.4 51.8 77.8

Manual Integrations
APPROVED

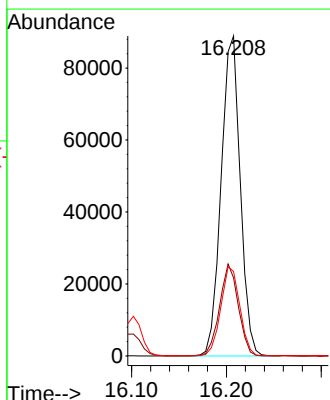
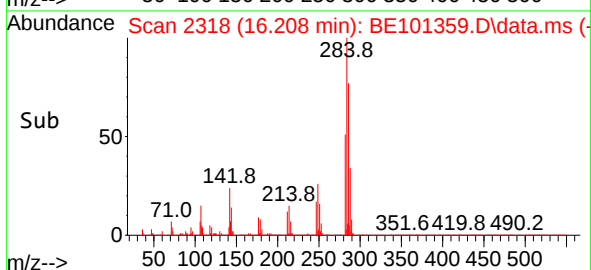
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

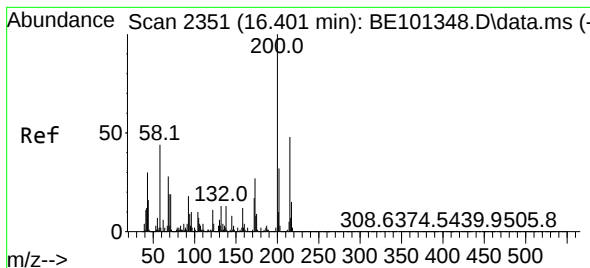


#68
Hexachlorobenzene
Concen: 6.812 ng
RT: 16.208 min Scan# 2318
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21



Tgt Ion:284 Resp: 124493
Ion Ratio Lower Upper
284 100
142 24.4 22.1 33.1
249 26.4 22.7 34.1





#69

Atrazine

Concen: 8.438 ng

RT: 16.396 min Scan# 21

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

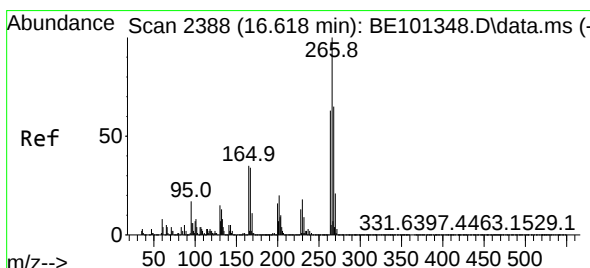
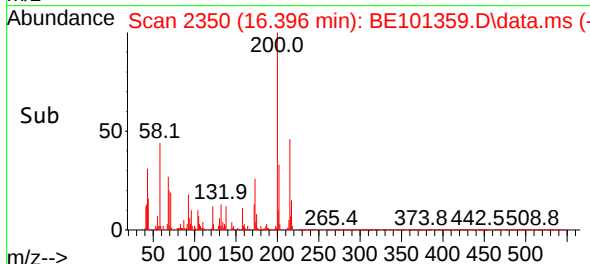
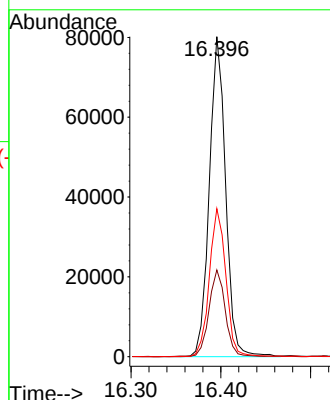
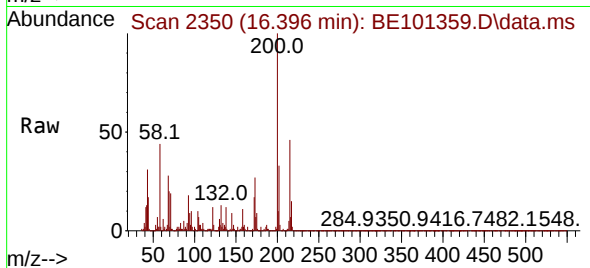
LOQ-SOIL-02-QT2-2024

Tgt Ion:200	Resp: 101094
Ion Ratio	Lower Upper
200 100	
173 27.1	6.9 46.9
215 46.2	27.8 67.8

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 11.384 ng

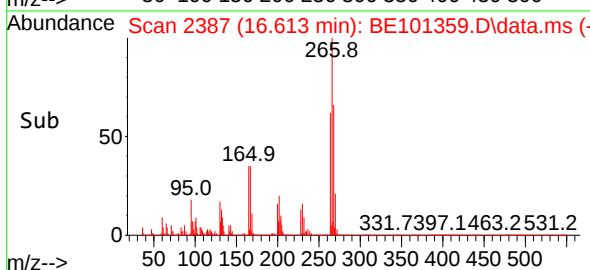
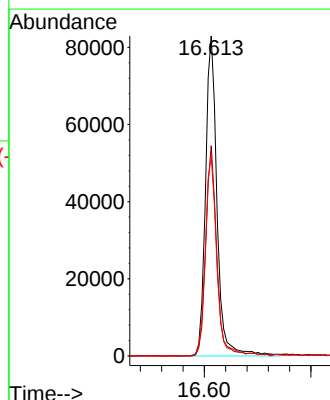
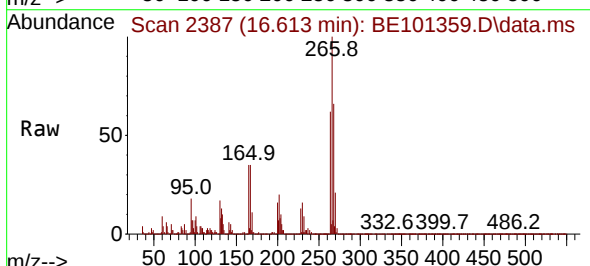
RT: 16.613 min Scan# 2387

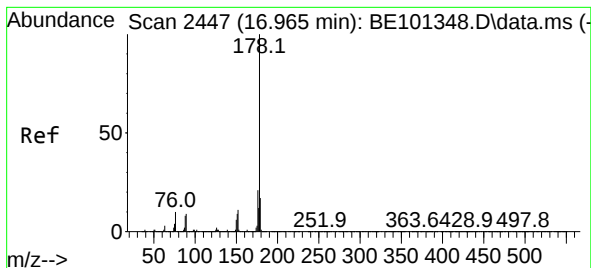
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:266	Resp: 124300
Ion Ratio	Lower Upper
266 100	
268 65.7	52.2 78.4
264 62.3	50.5 75.7





#71

Phenanthrene

Concen: 7.876 ng

RT: 16.960 min Scan# 2447

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

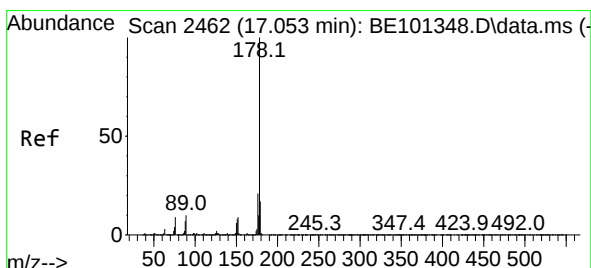
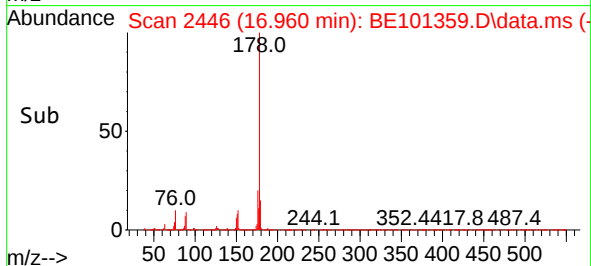
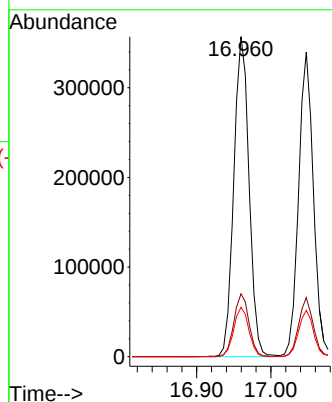
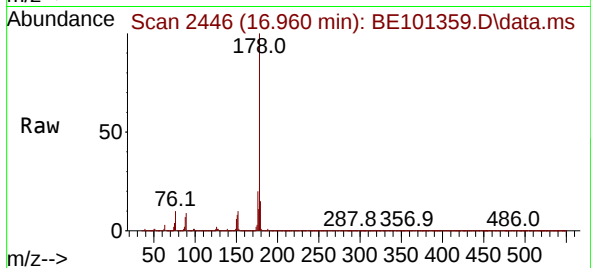
LOQ-SOIL-02-QT2-2024

Tgt Ion:178 Resp: 509179
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.8 25.2
 179 15.4 13.3 19.9

Manual Integrations

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



#72

Anthracene

Concen: 7.593 ng

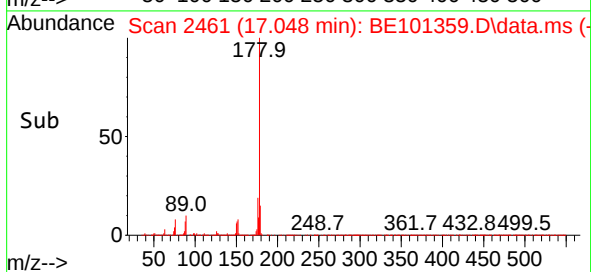
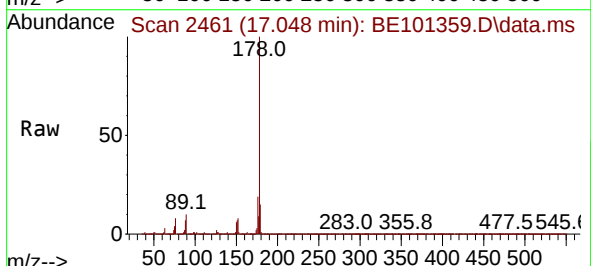
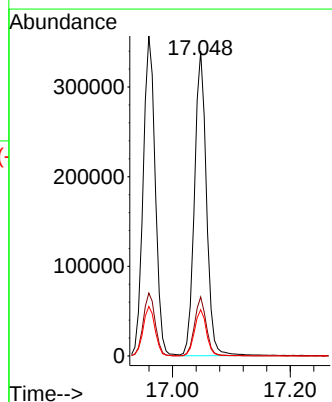
RT: 17.048 min Scan# 2461

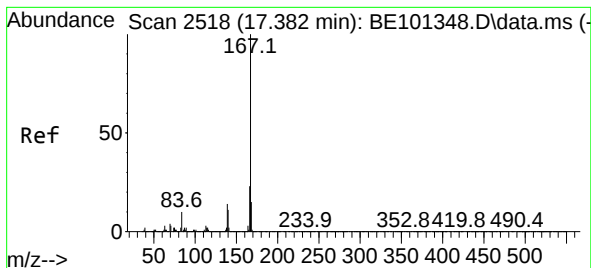
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:178 Resp: 477646
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.4 24.6
 179 15.2 13.4 20.0





#73

Carbazole

Concen: 7.585 ng

RT: 17.377 min Scan# 2517

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

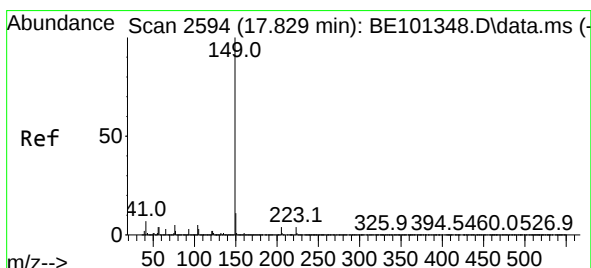
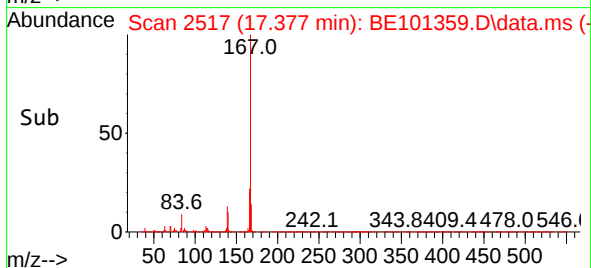
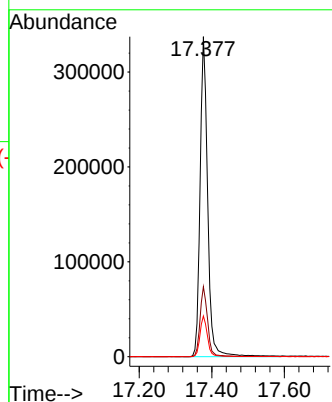
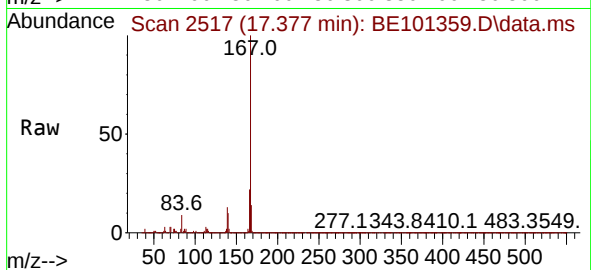
LOQ-SOIL-02-QT2-2024

Tgt Ion:	167	Resp:	489018
Ion Ratio	Lower	Upper	
167	100		
166	21.8	18.4	27.6
139	12.7	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: 8.108 ng

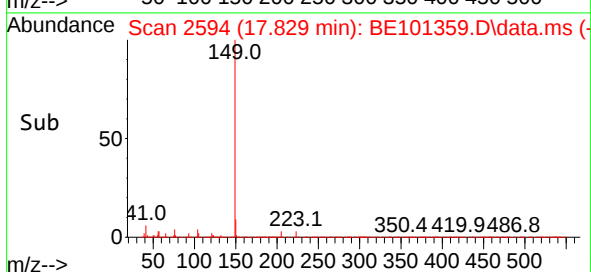
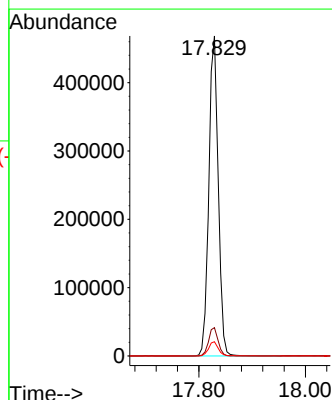
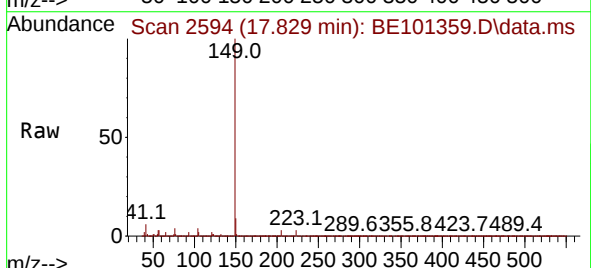
RT: 17.829 min Scan# 2594

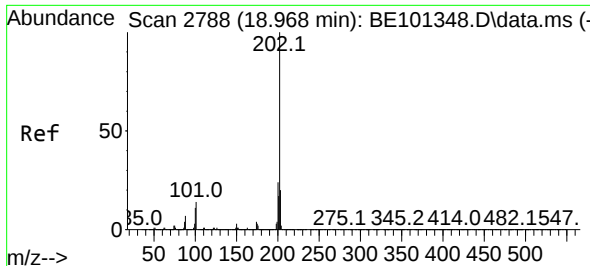
Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:	149	Resp:	573947
Ion Ratio	Lower	Upper	
149	100		
150	8.8	9.0	13.6
104	4.5	4.4	6.6





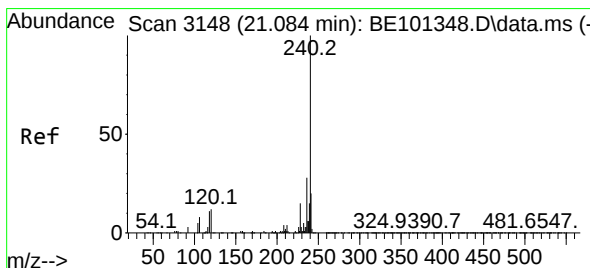
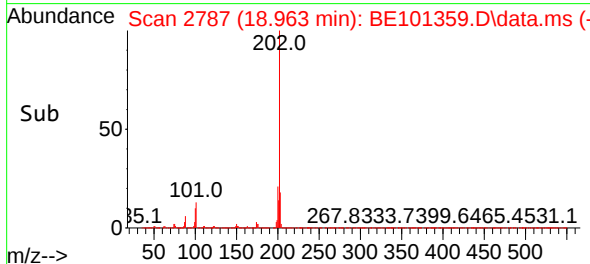
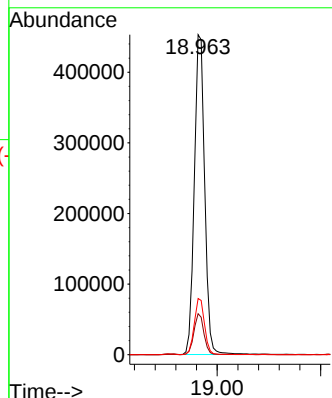
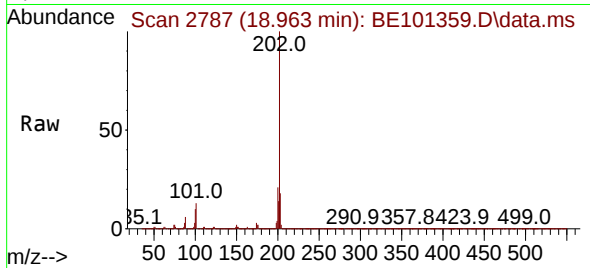
#75
Fluoranthene
Concen: 8.097 ng
RT: 18.963 min Scan# 21
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:202 Resp: 630188
Ion Ratio Lower Upper
202 100
101 12.8 0.0 34.2
203 17.6 0.4 40.4

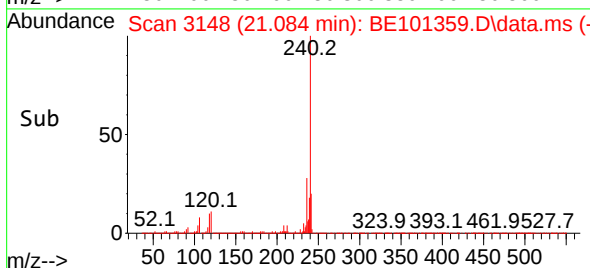
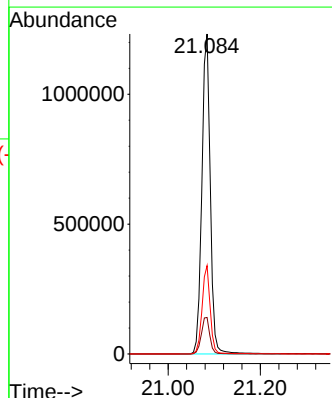
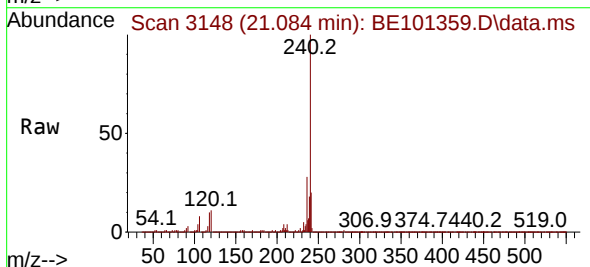
Manual Integrations
APPROVED

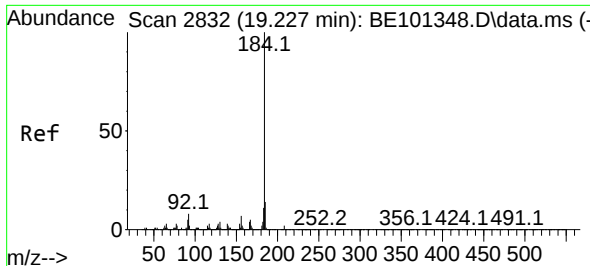
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.084 min Scan# 3148
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:240 Resp: 1565078
Ion Ratio Lower Upper
240 100
120 11.4 9.8 14.8
236 27.6 22.1 33.1





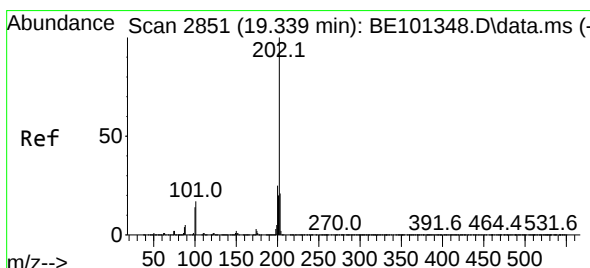
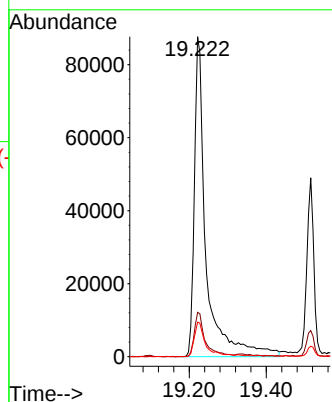
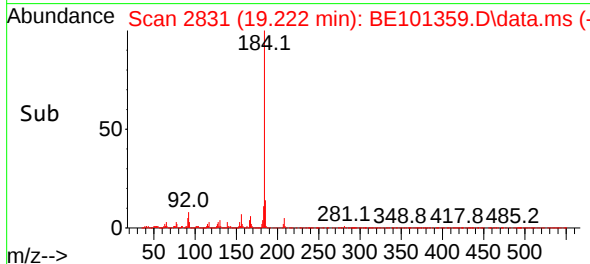
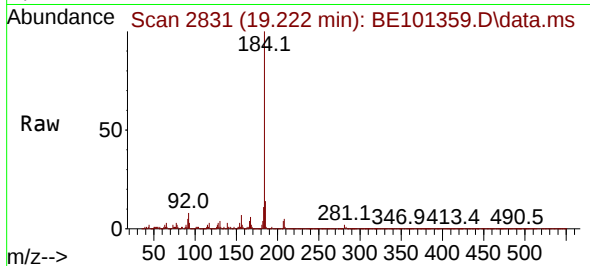
#77
Benzidine
Concen: 7.163 ng m
RT: 19.222 min Scan# 2831
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

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

Tgt Ion:184 Resp: 186069
Ion Ratio Lower Upper
184 100
185 13.9 11.4 17.2
183 10.8 9.1 13.7

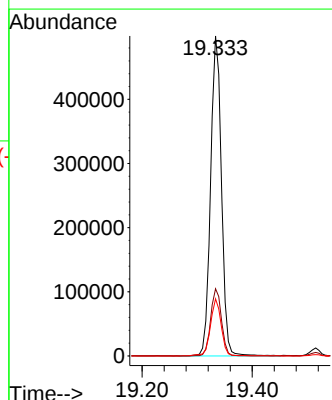
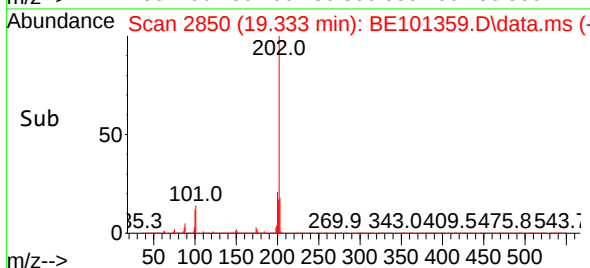
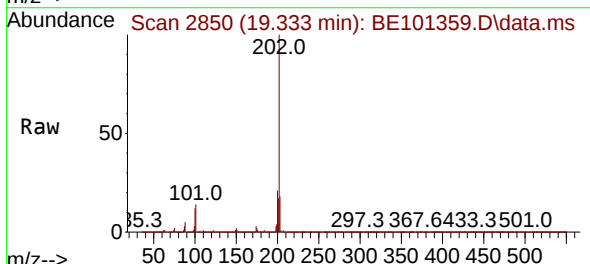
Manual Integrations
APPROVED

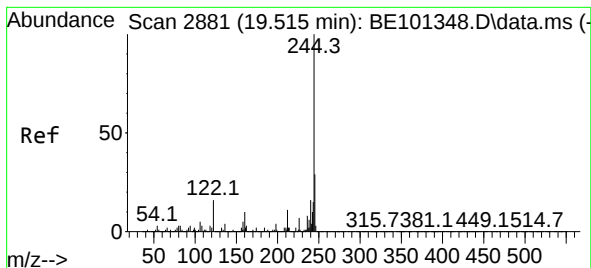
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#78
Pyrene
Concen: 7.821 ng
RT: 19.333 min Scan# 2850
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:202 Resp: 680741
Ion Ratio Lower Upper
202 100
200 21.0 20.2 30.2
203 17.9 16.6 25.0





#79

Terphenyl-d14

Concen: 55.940 ng

RT: 19.515 min Scan# 2881

Delta R.T. 0.000 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

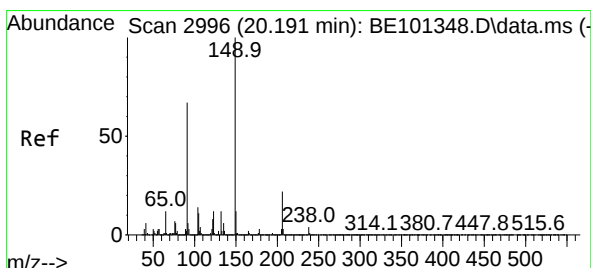
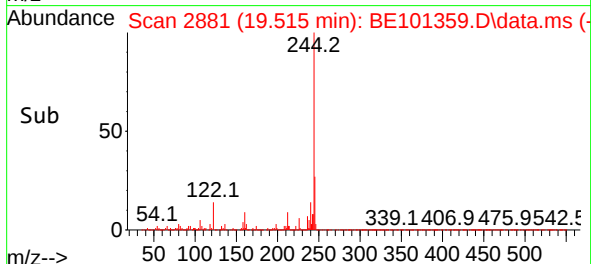
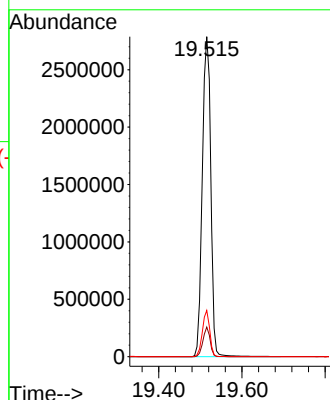
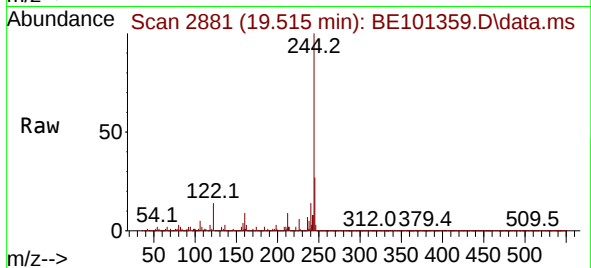
Tgt Ion:244 Resp: 394845

Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.5	12.7
122	14.5	13.1	19.7

Manual Integrations

APPROVED

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



#80

Butylbenzylphthalate

Concen: 7.488 ng

RT: 20.185 min Scan# 2995

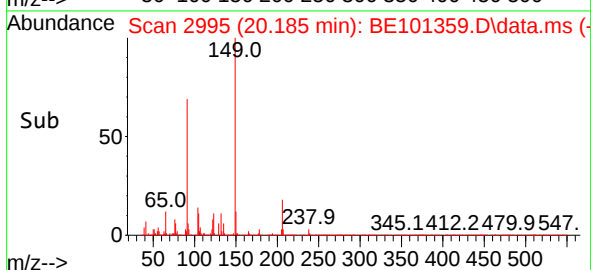
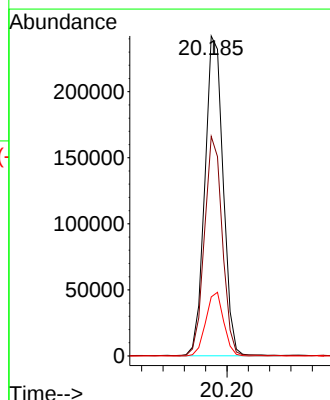
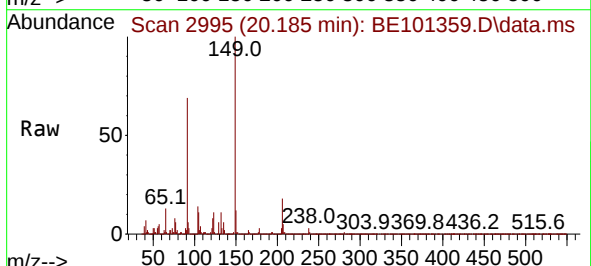
Delta R.T. -0.005 min

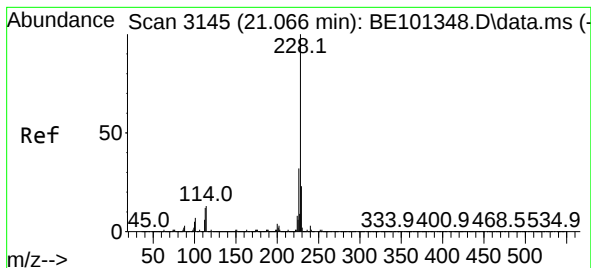
Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:149 Resp: 288547

Ion	Ratio	Lower	Upper
149	100		
91	68.6	53.4	80.2
206	18.4	17.4	26.0





#81

Benzo(a)anthracene

Concen: 8.269 ng

RT: 21.061 min Scan# 3145

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

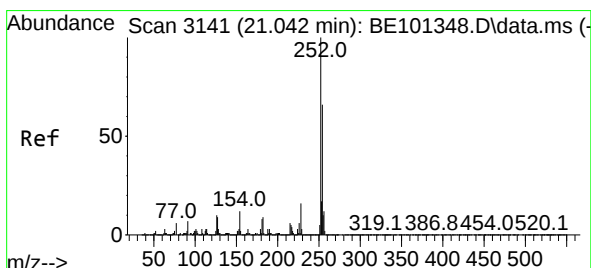
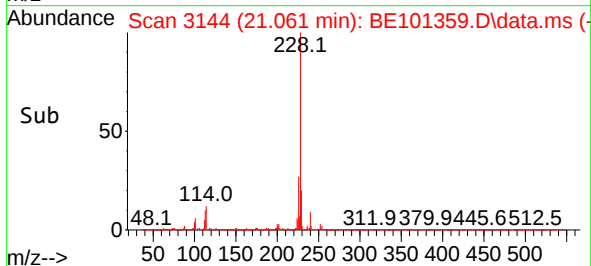
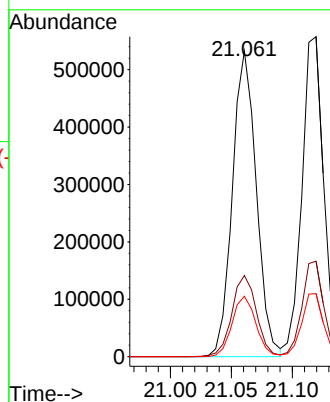
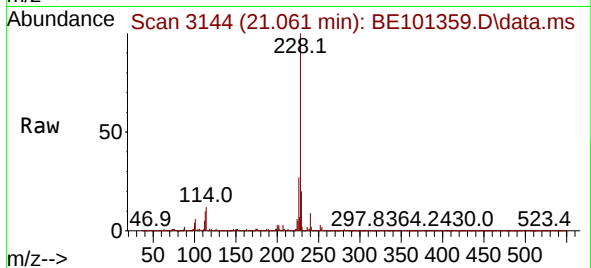
LOQ-SOIL-02-QT2-2024

Tgt Ion:	228	Resp:	726762
Ion Ratio	Lower	Upper	
228	100		
226	26.6	25.7	38.5
229	19.8	18.6	28.0

Manual Integrations

APPROVED

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



#82

3,3'-Dichlorobenzidine

Concen: 7.506 ng

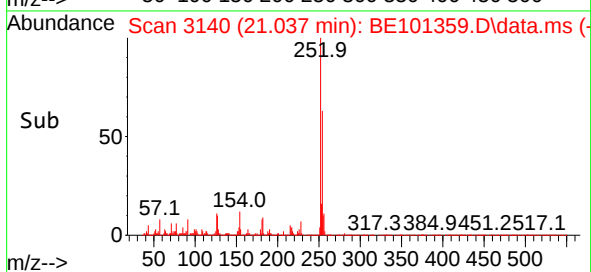
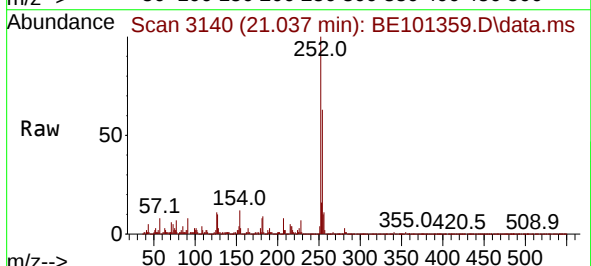
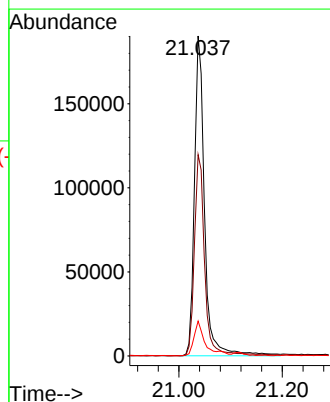
RT: 21.037 min Scan# 3140

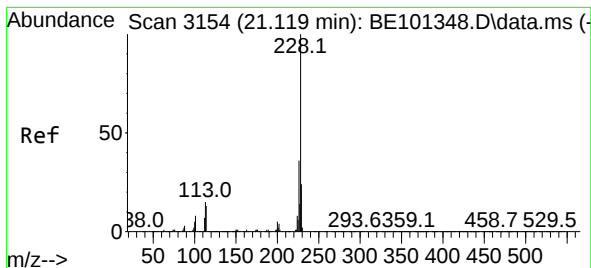
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:	252	Resp:	258502
Ion Ratio	Lower	Upper	
252	100		
254	62.9	52.5	78.7
126	10.9	8.0	12.0





#83

Chrysene

Concen: 8.409 ng

RT: 21.119 min Scan# 3154

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

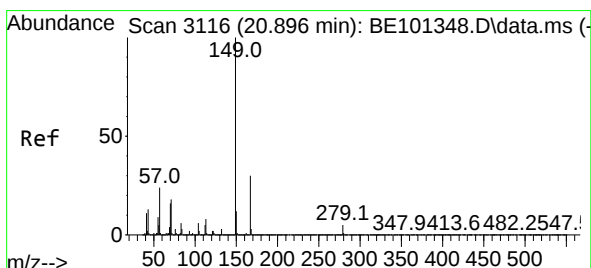
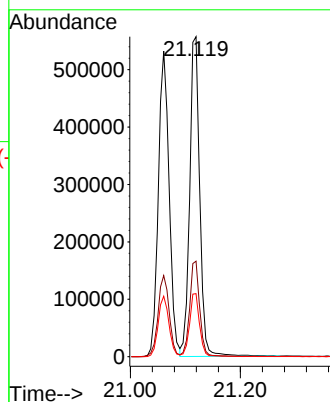
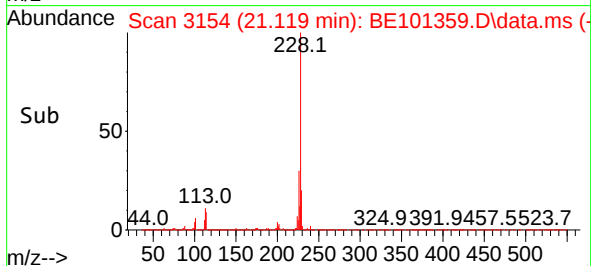
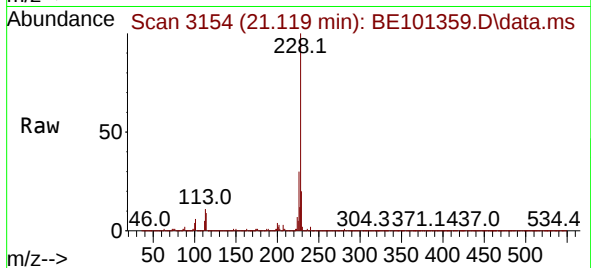
LOQ-SOIL-02-QT2-2024

Tgt Ion:228 Resp: 709978
Ion Ratio Lower Upper
228 100
226 29.8 28.4 42.6
229 19.7 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: 7.557 ng

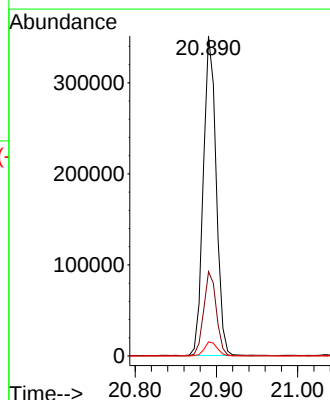
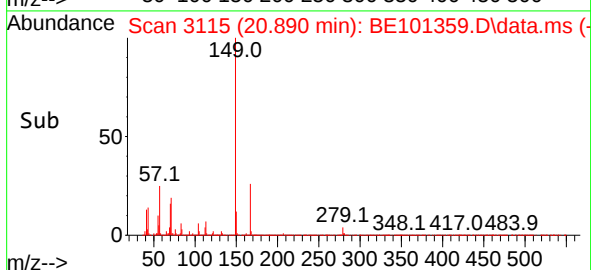
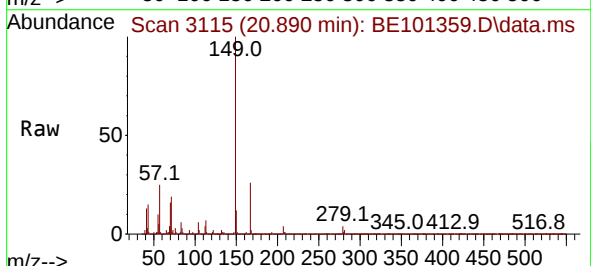
RT: 20.890 min Scan# 3115

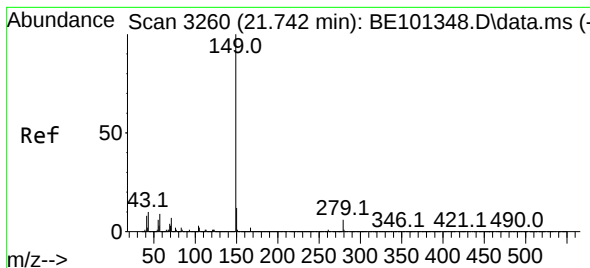
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:149 Resp: 385095
Ion Ratio Lower Upper
149 100
167 26.3 23.9 35.9
279 4.4 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 8.069 ng

RT: 21.742 min Scan# 31

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

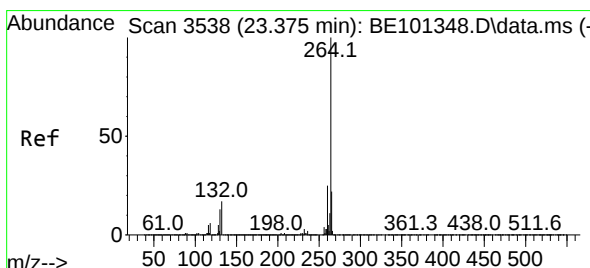
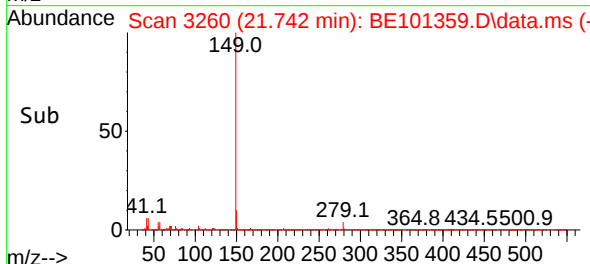
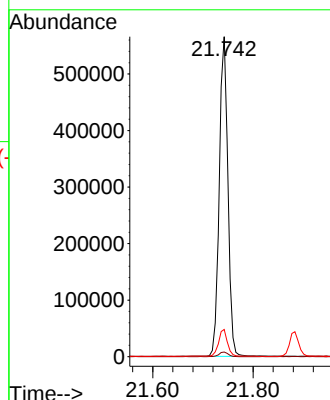
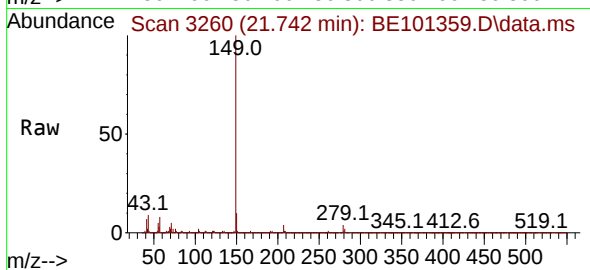
LOQ-SOIL-02-QT2-2024

Tgt Ion:	149	Resp:	67114
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.4	2.2
43	8.6	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

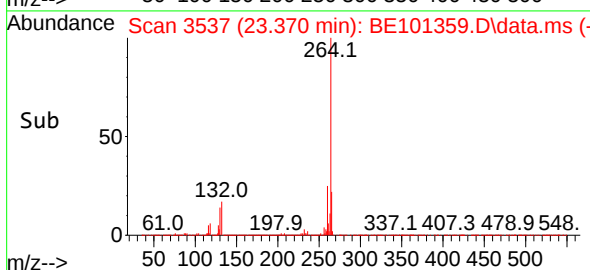
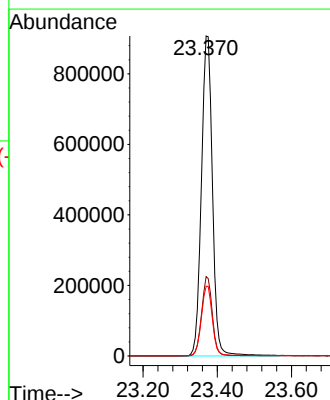
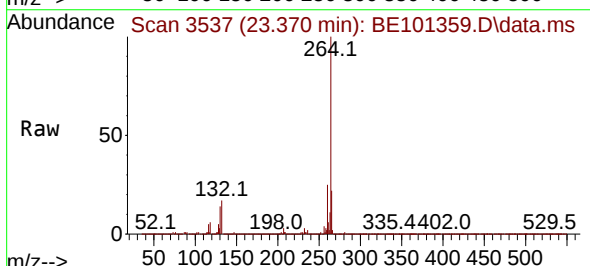
RT: 23.370 min Scan# 3537

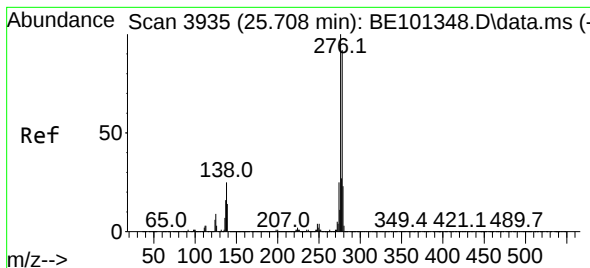
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:	264	Resp:	1872927
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.8	29.6
265	21.8	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.921 ng

RT: 25.685 min Scan# 3935

Delta R.T. -0.023 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

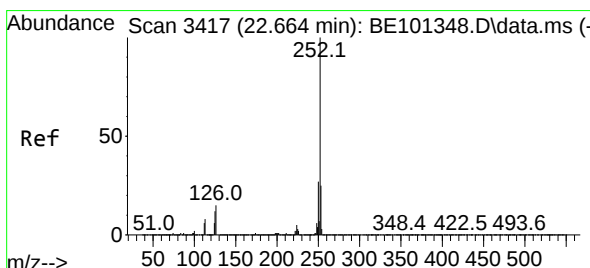
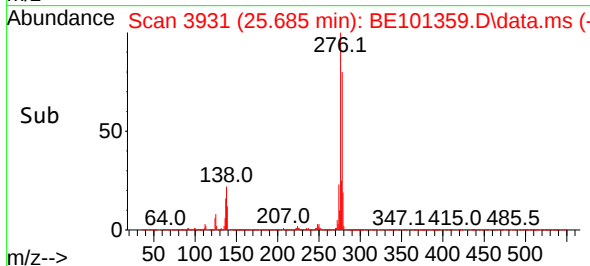
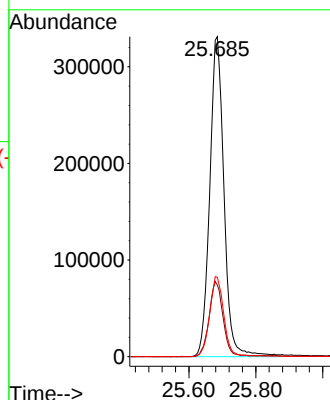
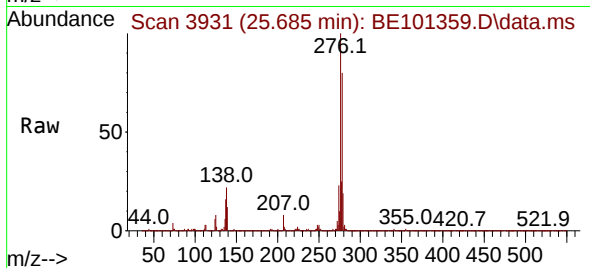
LOQ-SOIL-02-QT2-2024

Tgt Ion:	276	Resp:	97743
Ion Ratio	Lower	Upper	
276	100		
138	22.7	19.2	28.8
277	24.8	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: 8.056 ng

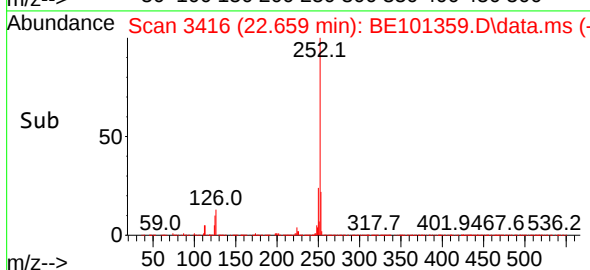
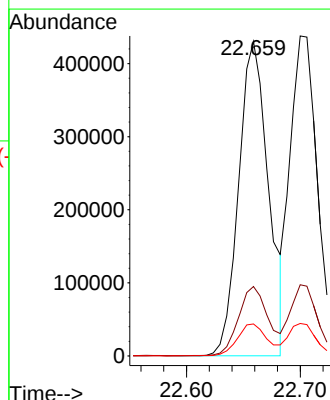
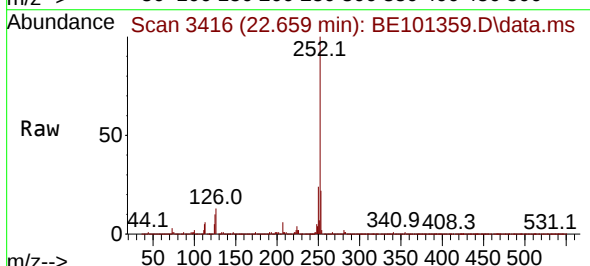
RT: 22.659 min Scan# 3416

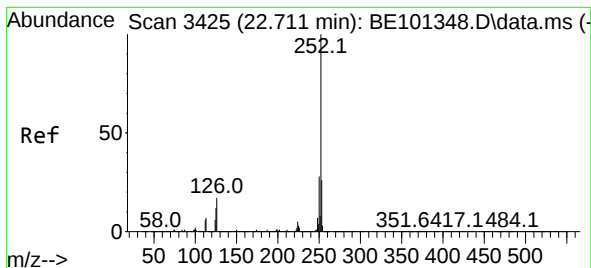
Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:	252	Resp:	781473
Ion Ratio	Lower	Upper	
252	100		
253	22.1	20.2	30.2
125	10.2	9.4	14.0





#89

Benzo(k)fluoranthene

Concen: 8.170 ng

RT: 22.700 min Scan# 3425

Delta R.T. -0.011 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

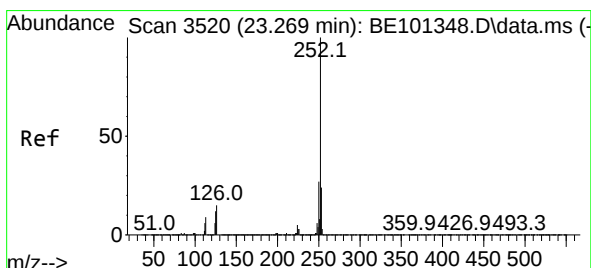
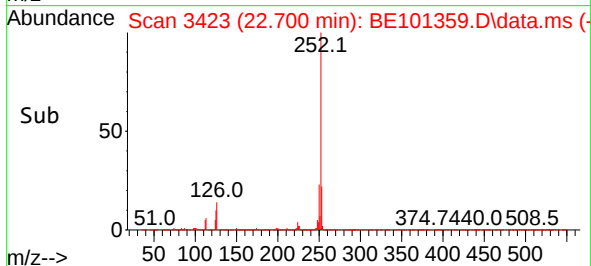
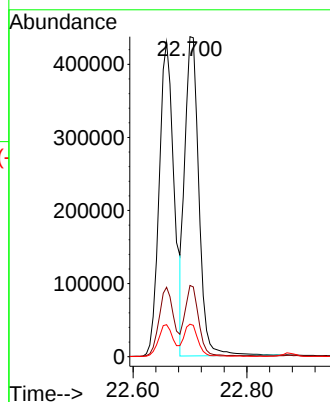
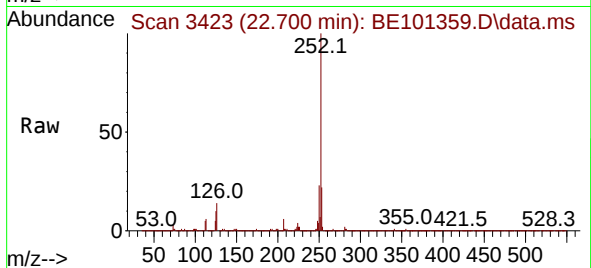
LOQ-SOIL-02-QT2-2024

Tgt Ion:252 Resp: 748020
 Ion Ratio Lower Upper
 252 100
 253 22.3 20.2 30.4
 125 10.2 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: 8.092 ng

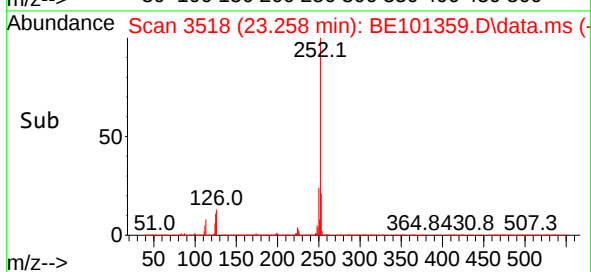
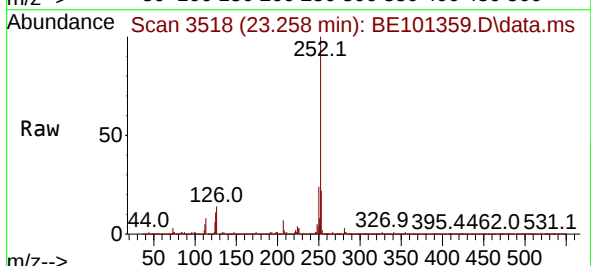
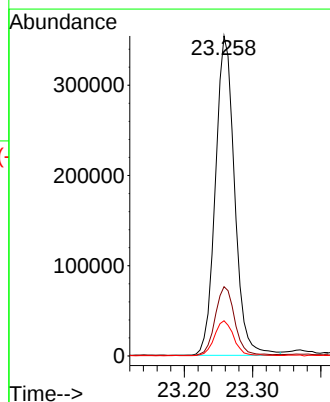
RT: 23.258 min Scan# 3518

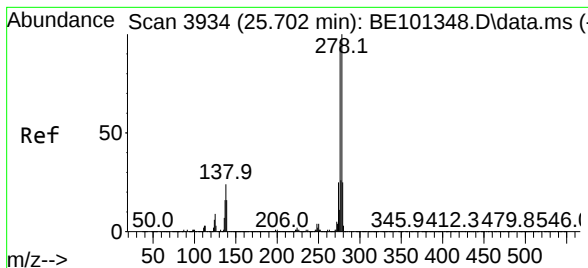
Delta R.T. -0.011 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:252 Resp: 692744
 Ion Ratio Lower Upper
 252 100
 253 21.7 19.0 28.6
 125 11.0 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 7.756 ng

RT: 25.679 min Scan# 3934

Delta R.T. -0.023 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

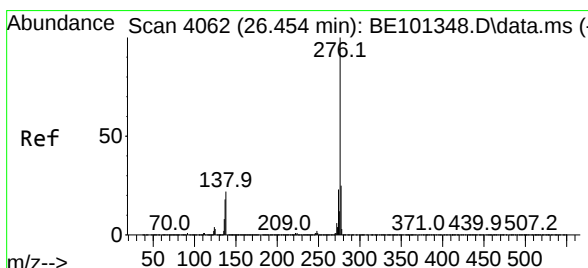
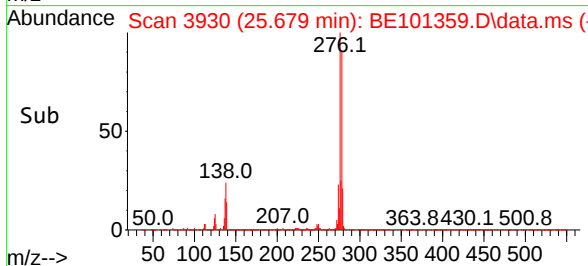
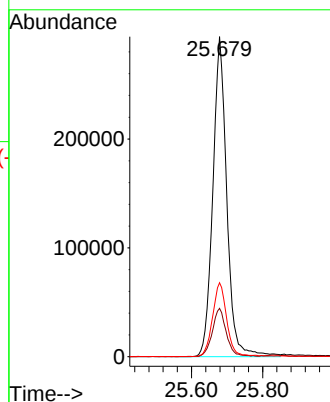
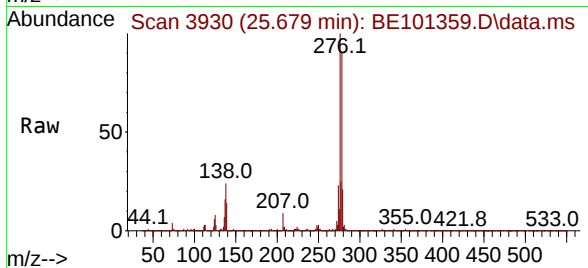
LOQ-SOIL-02-QT2-2024

Tgt Ion:	278	Resp:	801210
Ion Ratio	Lower	Upper	
278	100		
139	15.1	12.4	18.6
279	23.1	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: 7.172 ng

RT: 26.431 min Scan# 4058

Delta R.T. -0.023 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:	276	Resp:	752346
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.8	29.8
138	20.4	17.4	26.0

