

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
 Data File : BG063998.D
 Acq On : 5 Feb 2025 12:14
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 16:51:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 05 16:34:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	62836	20.000	ng	0.00
21) Naphthalene-d8	10.662	136	271791	20.000	ng	0.00
39) Acenaphthene-d10	14.493	164	181472	20.000	ng	0.00
64) Phenanthrene-d10	17.237	188	415221	20.000	ng	0.00
76) Chrysene-d12	21.467	240	447057	20.000	ng	0.00
86) Perylene-d12	24.493	264	459000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	402614	102.731	ng	0.00
7) Phenol-d6	7.031	99	556657	103.501	ng	0.00
23) Nitrobenzene-d5	9.023	82	372125	83.211	ng	0.00
42) 2,4,6-Tribromophenol	15.979	330	204461	101.342	ng	0.00
45) 2-Fluorobiphenyl	13.124	172	897936	75.811	ng	0.00
79) Terphenyl-d14	19.857	244	1536573	71.782	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.394	88	11113	5.971	ng	89
3) Pyridine	3.782	79	22945	4.565	ng	93
6) Aniline	7.196	93	31937	5.541	ng	96
8) 2-Chlorophenol	7.437	128	21674	5.427	ng	91
10) Phenol	7.061	94	30081	5.313	ng	97
11) bis(2-Chloroethyl)ether	7.296	93	23296	5.110	ng	93
12) 1,3-Dichlorobenzene	7.760	146	23888	5.027	ng	96
13) 1,4-Dichlorobenzene	7.907	146	25562	5.326	ng	91
14) 1,2-Dichlorobenzene	8.224	146	24892	5.411	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.394	45	50405	5.491	ng	98
17) 2-Methylphenol	8.306	107	17842	4.873	ng	92
18) Hexachloroethane	8.952	117	8754	5.542	ng	90
19) n-Nitroso-di-n-propyla...	8.670	70	18619	4.999	ng	# 97
22) Acetophenone	8.688	105	38737	5.187	ng	# 93
24) Nitrobenzene	9.064	77	27616	6.153	ng	92
25) Isophorone	9.587	82	50326	5.191	ng	97
26) 2-Nitrophenol	9.775	139	5793	6.194	ng	95
27) 2,4-Dimethylphenol	9.834	122	12185m	4.369	ng	
28) bis(2-Chloroethoxy)met...	10.069	93	32105	5.204	ng	95
29) 2,4-Dichlorophenol	10.304	162	17017	5.034	ng	98
30) 1,2,4-Trichlorobenzene	10.527	180	23415	5.111	ng	93
31) Naphthalene	10.709	128	74659	5.124	ng	# 94
33) 4-Chloroaniline	10.809	127	27693	4.960	ng	97
34) Hexachlorobutadiene	11.009	225	15483	5.307	ng	91
36) 4-Chloro-3-methylphenol	11.931	107	23427	5.248	ng	98
37) 2-Methylnaphthalene	12.319	142	51670	5.088	ng	93
38) 1-Methylnaphthalene	12.536	142	49635m	4.940	ng	
40) 1,2,4,5-Tetrachloroben...	12.683	216	29792	5.567	ng	97
43) 2,4,6-Trichlorophenol	12.918	196	13121	5.022	ng	92
44) 2,4,5-Trichlorophenol	12.989	196	14929	4.945	ng	93
46) 1,1'-Biphenyl	13.330	154	75249	5.446	ng	95
47) 2-Chloronaphthalene	13.365	162	53815	5.344	ng	99
48) 2-Nitroaniline	13.559	65	11198	4.957	ng	91
49) Acenaphthylene	14.211	152	83255	5.322	ng	95
50) Dimethylphthalate	13.952	163	62903	5.228	ng	99
51) 2,6-Dinitrotoluene	14.058	165	8642	4.569	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
 Data File : BG063998.D
 Acq On : 5 Feb 2025 12:14
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

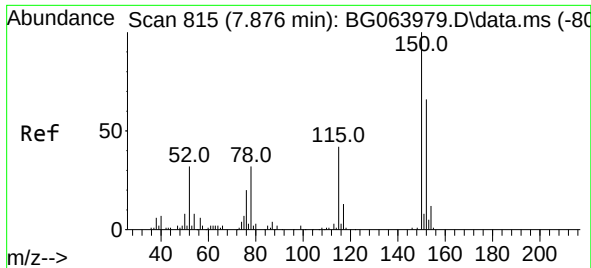
Quant Time: Feb 05 16:51:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 05 16:34:22 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

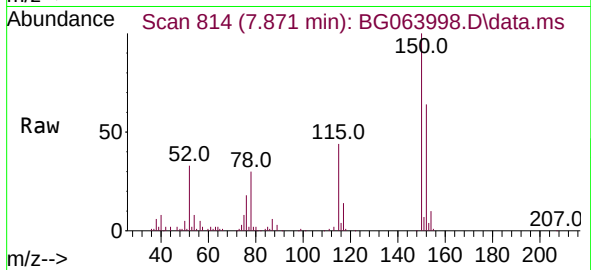
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.558	154	55661	5.305	ng	96
53) 3-Nitroaniline	14.381	138	9726	4.499	ng	91
55) Dibenzofuran	14.893	168	84783	4.976	ng	98
57) 2,4-Dinitrotoluene	14.846	165	10864	4.462	ng	# 91
58) Fluorene	15.539	166	68785	5.224	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.116	232	13887m	4.958	ng	
60) Diethylphthalate	15.321	149	64988	5.094	ng	93
61) 4-Chlorophenyl-phenyle...	15.539	204	34269	5.187	ng	95
62) 4-Nitroaniline	15.545	138	10851	4.471	ng	86
63) Azobenzene	15.833	77	73230	4.860	ng	98
66) n-Nitrosodiphenylamine	15.750	169	58698	5.099	ng	97
67) 4-Bromophenyl-phenylether	16.432	248	21373	5.171	ng	94
68) Hexachlorobenzene	16.544	284	25115	5.169	ng	99
69) Atrazine	16.696	200	20824	5.435	ng	95
71) Phenanthrene	17.278	178	113209	5.191	ng	99
72) Anthracene	17.366	178	103554	4.745	ng	98
73) Carbazole	17.630	167	99456	4.869	ng	98
74) Di-n-butylphthalate	18.212	149	103962	4.882	ng	# 98
75) Fluoranthene	19.287	202	130254	4.905	ng	97
78) Pyrene	19.646	202	152081	5.510	ng	98
80) Butylbenzylphthalate	20.556	149	38045	4.916	ng	95
81) Benzo(a)anthracene	21.450	228	150082	5.288	ng	99
82) 3,3'-Dichlorobenzidine	21.373	252	44338	5.016	ng	96
83) Chrysene	21.508	228	147662	5.228	ng	98
84) Bis(2-ethylhexyl)phtha...	21.397	149	65447	5.089	ng	98
87) Indeno(1,2,3-cd)pyrene	27.883	276	154691	5.224	ng	99
88) Benzo(b)fluoranthene	23.541	252	135905	5.028	ng	# 96
89) Benzo(k)fluoranthene	23.600	252	152112m	5.481	ng	
90) Benzo(a)pyrene	24.346	252	126262	5.234	ng	99
91) Dibenzo(a,h)anthracene	27.960	278	129004	5.159	ng	97
92) Benzo(g,h,i)perylene	28.947	276	125742	4.981	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.871 min Scan# 815
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

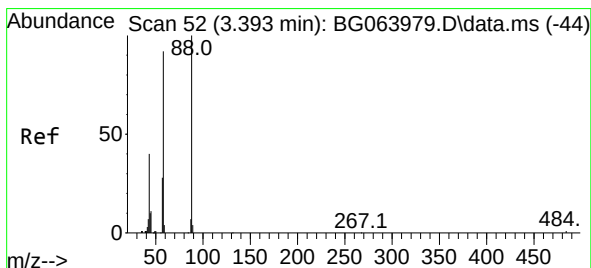
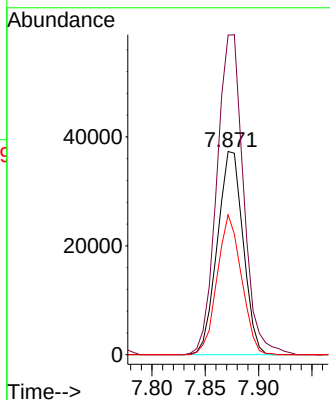
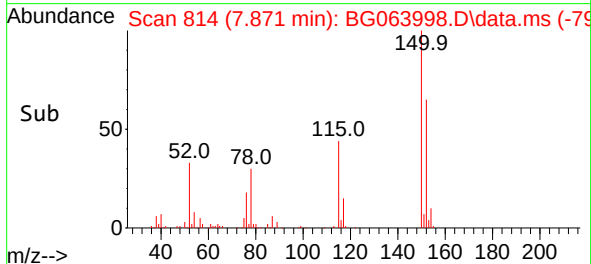
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 62830
Ion Ratio Lower Upper
152 100
150 157.3 121.0 181.6
115 68.9 50.4 75.6

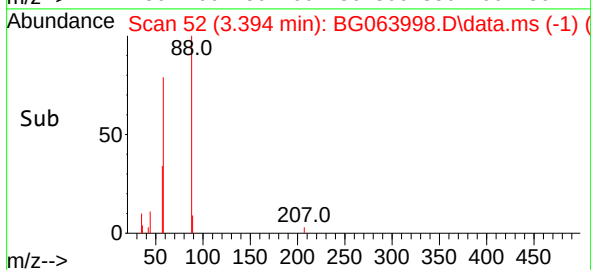
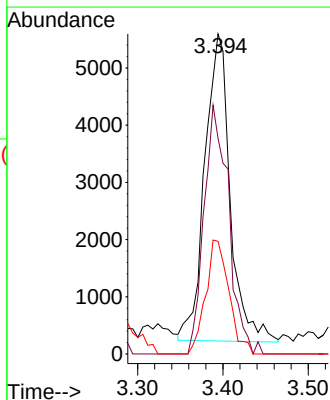
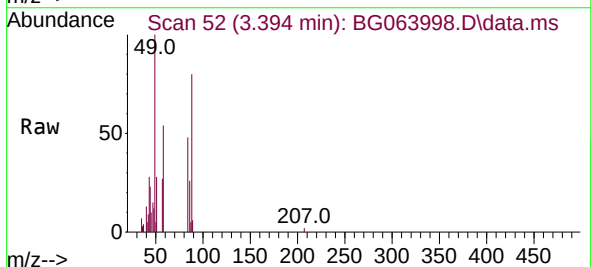
Manual Integrations
APPROVED

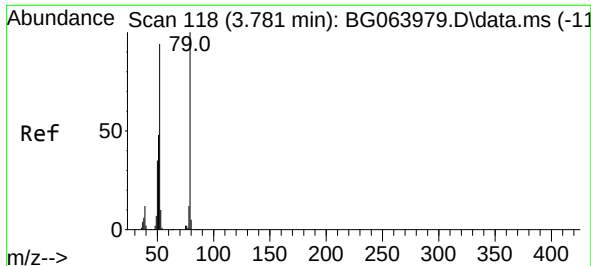
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 5.971 ng
RT: 3.394 min Scan# 52
Delta R.T. 0.001 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

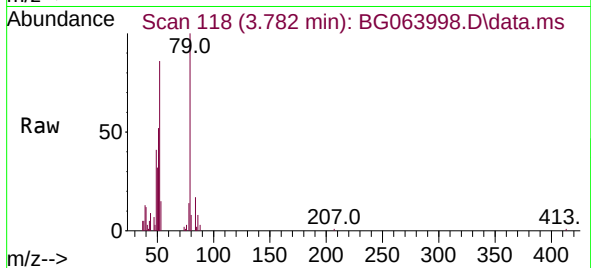
Tgt Ion: 88 Resp: 11113
Ion Ratio Lower Upper
88 100
58 78.4 71.8 107.8
43 33.9 31.2 46.8





#3
Pyridine
Concen: 4.565 ng
RT: 3.782 min Scan# 118
Delta R.T. 0.001 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

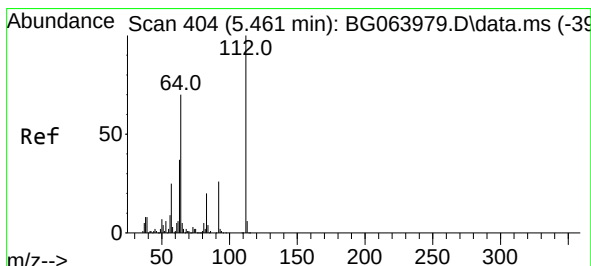
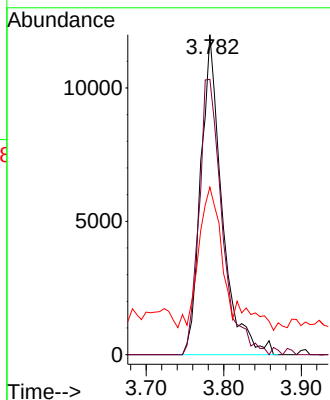
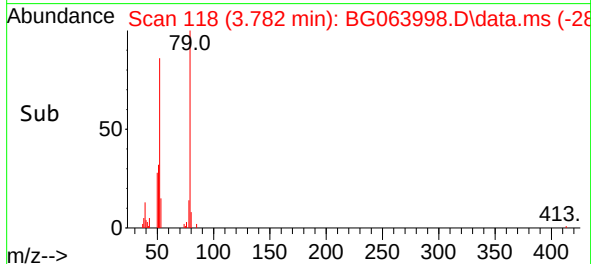
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 79 Resp: 22945
Ion Ratio Lower Upper
79 100
52 86.0 75.1 112.7
51 52.4 38.9 58.3

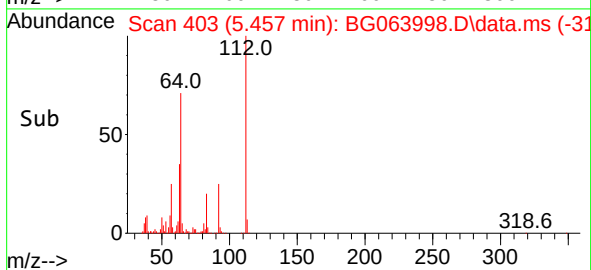
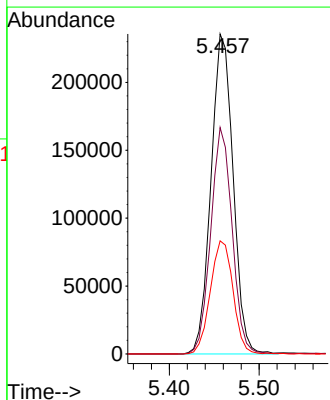
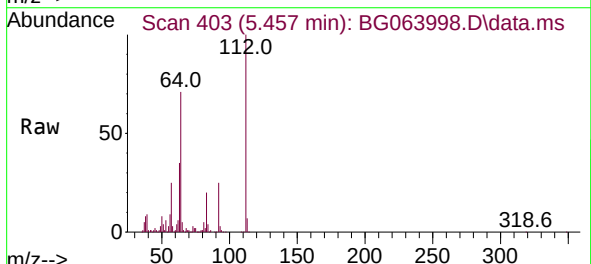
Manual Integrations
APPROVED

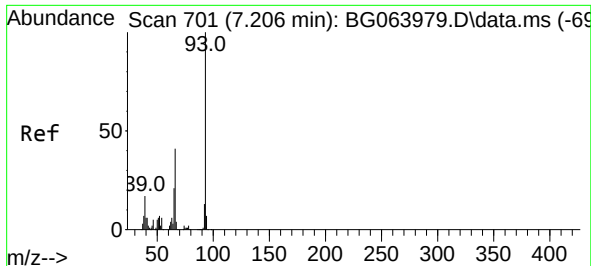
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 102.731 ng
RT: 5.457 min Scan# 403
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

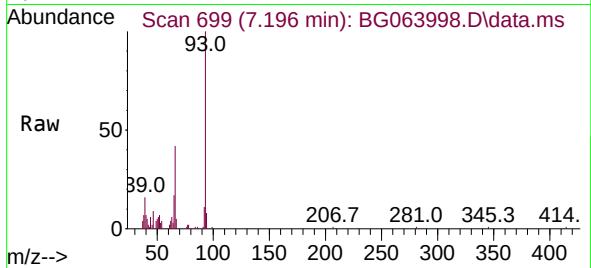
Tgt Ion:112 Resp: 402614
Ion Ratio Lower Upper
112 100
64 70.8 55.8 83.8
63 35.4 29.3 43.9





#6
Aniline
Concen: 5.541 ng
RT: 7.196 min Scan# 619
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

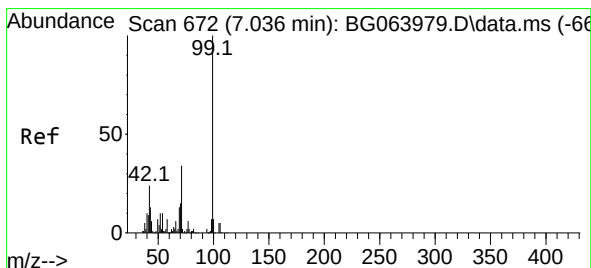
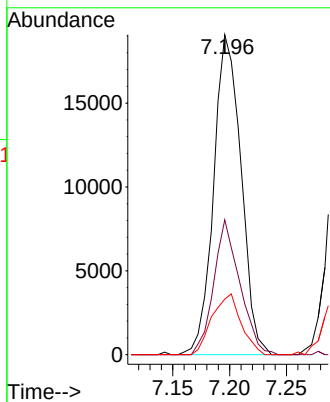
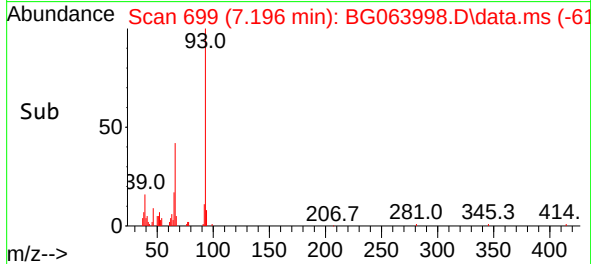
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 93 Resp: 3193
Ion Ratio Lower Upper
93 100
66 42.2 32.5 48.7
65 17.4 16.6 25.0

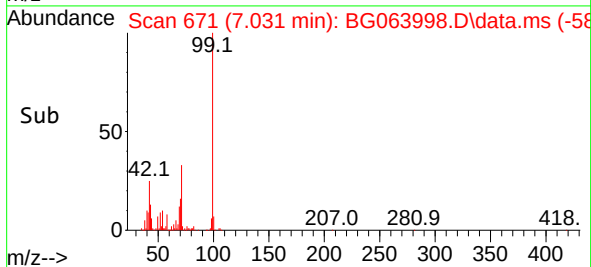
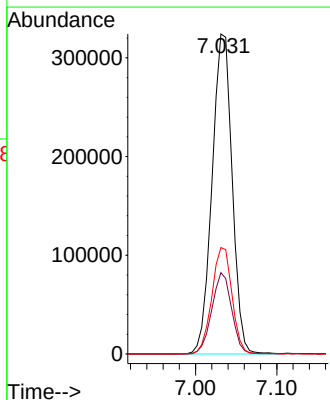
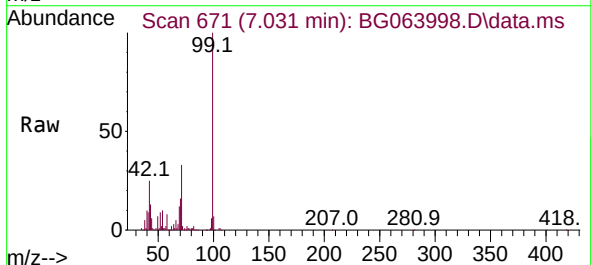
Manual Integrations
APPROVED

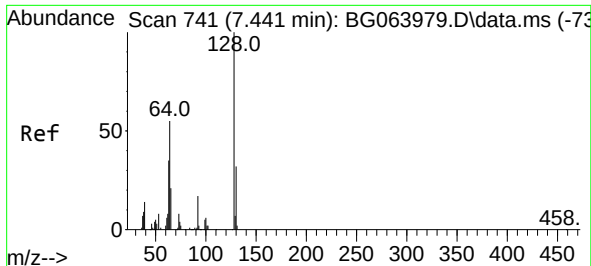
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#7
Phenol-d6
Concen: 103.501 ng
RT: 7.031 min Scan# 671
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

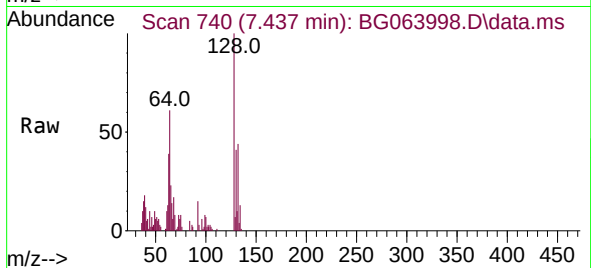
Tgt Ion: 99 Resp: 556657
Ion Ratio Lower Upper
99 100
42 25.4 18.9 28.3
71 33.3 27.0 40.6





#8
2-Chlorophenol
Concen: 5.427 ng
RT: 7.437 min Scan# 741
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

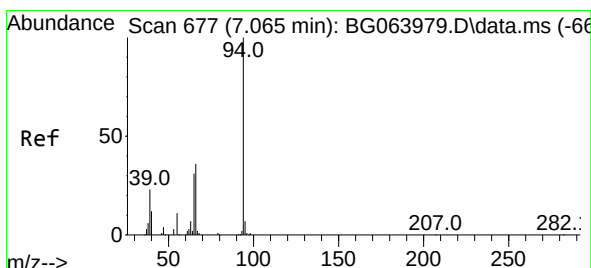
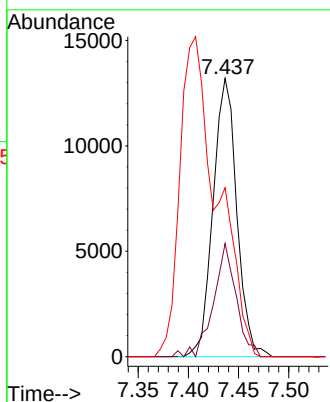
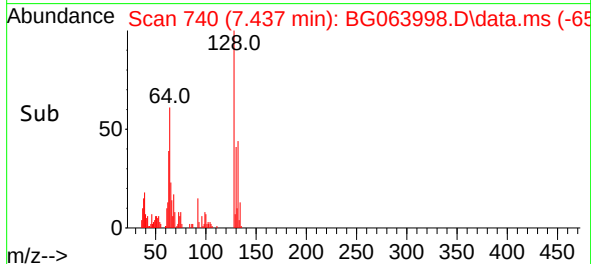
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



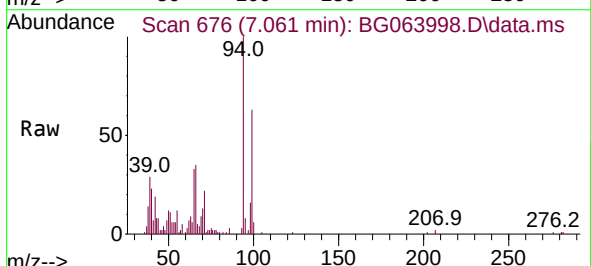
Tgt Ion:128 Resp: 21674
Ion Ratio Lower Upper
128 100
130 40.6 11.9 51.9
64 60.7 36.8 76.8

Manual Integrations
APPROVED

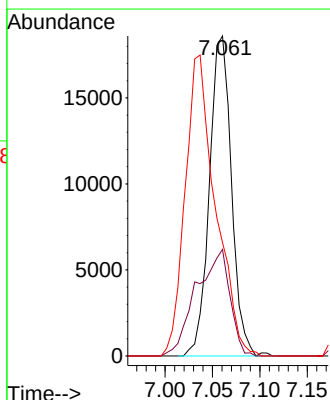
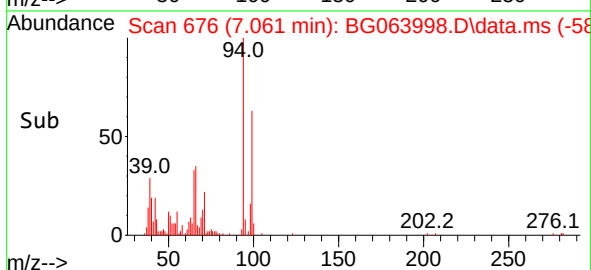
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

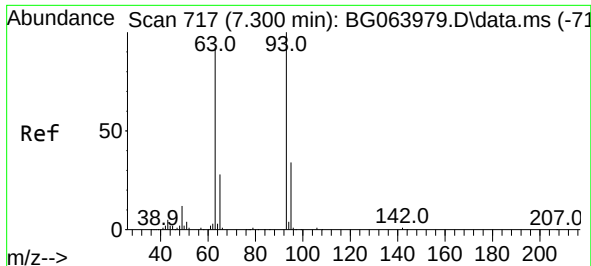


#10
Phenol
Concen: 5.313 ng
RT: 7.061 min Scan# 676
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14



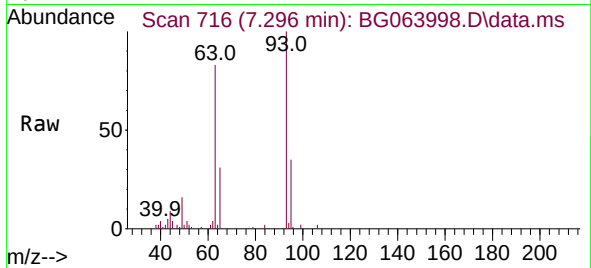
Tgt Ion: 94 Resp: 30081
Ion Ratio Lower Upper
94 100
65 33.3 11.4 51.4
66 35.4 16.7 56.7





#11
bis(2-Chloroethyl)ether
Concen: 5.110 ng
RT: 7.296 min Scan# 716
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

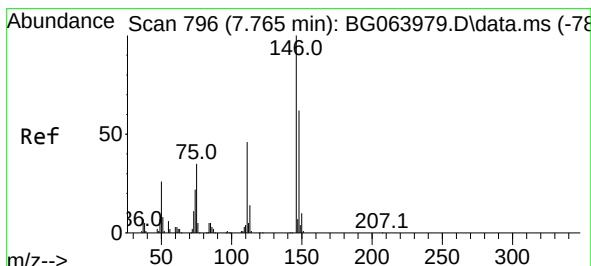
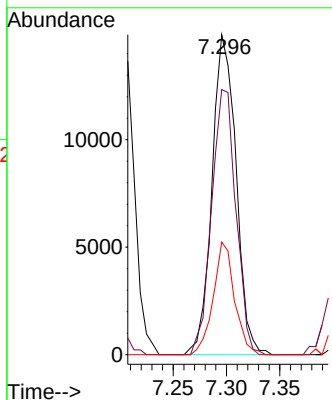
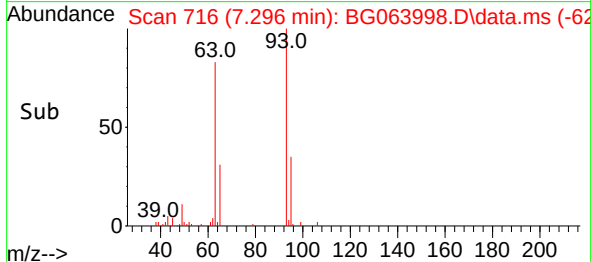
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



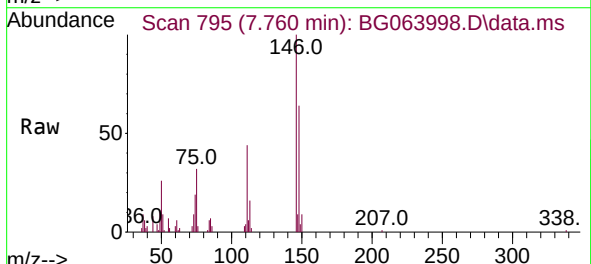
Tgt Ion: 93 Resp: 23290
Ion Ratio Lower Upper
93 100
63 82.8 71.2 111.2
95 35.2 13.9 53.9

Manual Integrations
APPROVED

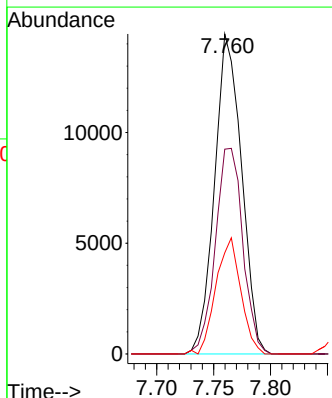
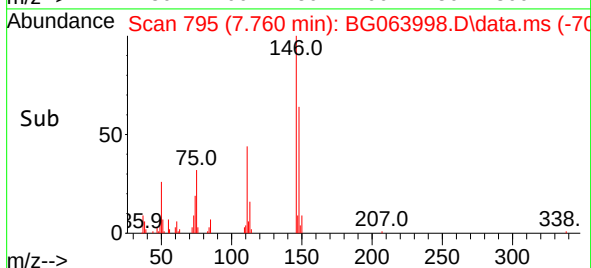
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

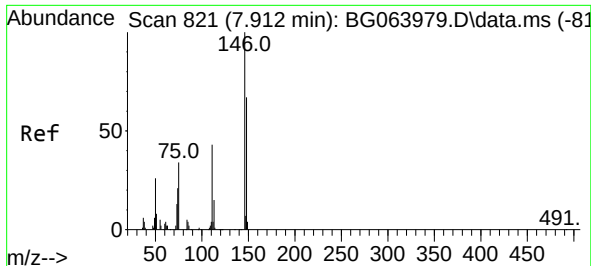


#12
1,3-Dichlorobenzene
Concen: 5.027 ng
RT: 7.760 min Scan# 795
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14



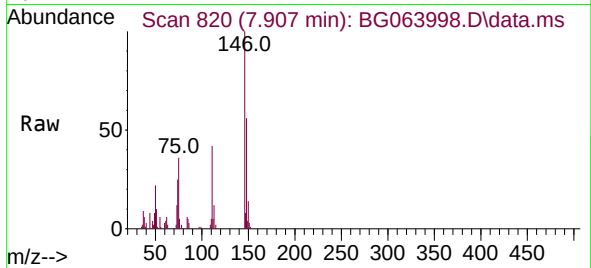
Tgt Ion:146 Resp: 23888
Ion Ratio Lower Upper
146 100
148 64.0 49.6 74.4
75 31.6 27.8 41.8





#13
1,4-Dichlorobenzene
Concen: 5.326 ng
RT: 7.907 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

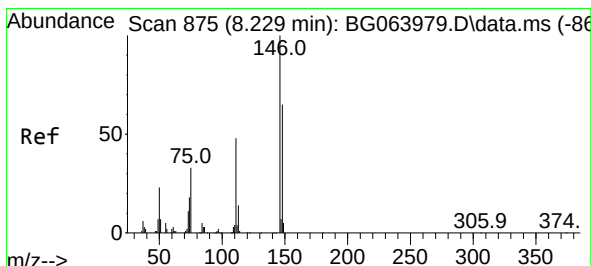
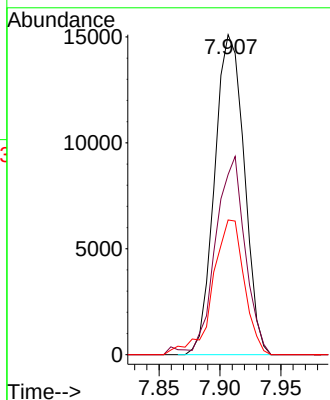
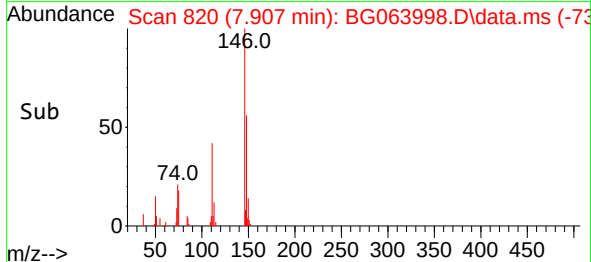
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



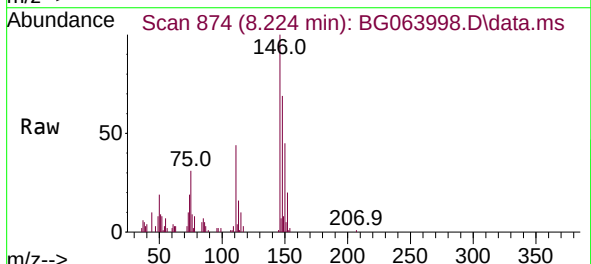
Tgt Ion:146 Resp: 2556
Ion Ratio Lower Upper
146 100
148 56.3 53.3 79.9
111 42.1 34.8 52.2

Manual Integrations
APPROVED

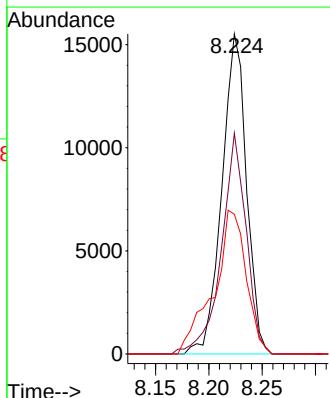
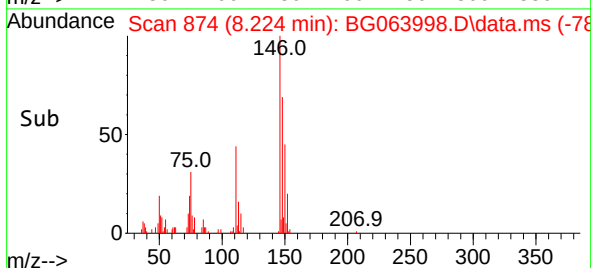
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

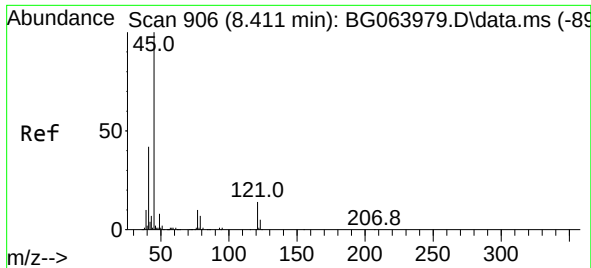


#14
1,2-Dichlorobenzene
Concen: 5.411 ng
RT: 8.224 min Scan# 874
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14



Tgt Ion:146 Resp: 24892
Ion Ratio Lower Upper
146 100
148 69.0 52.0 78.0
111 43.6 38.2 57.2





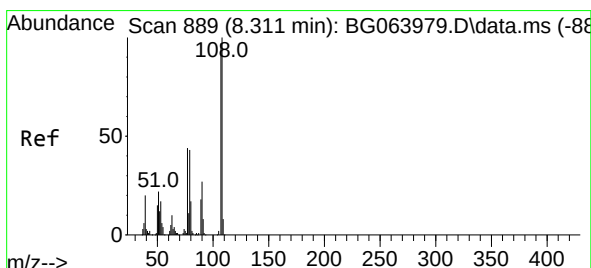
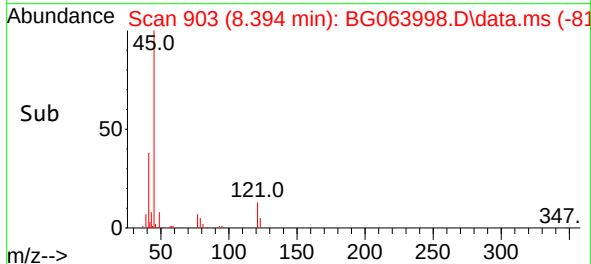
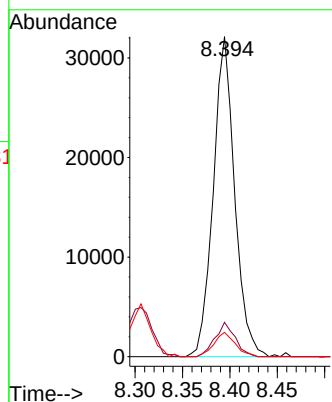
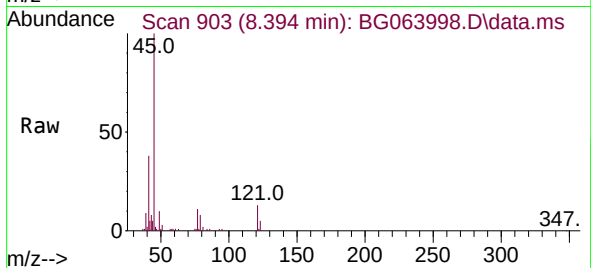
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.491 ng
RT: 8.394 min Scan# 906
Delta R.T. -0.017 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 45 Resp: 5040
Ion Ratio Lower Upper
45 100
77 10.8 0.0 29.8
79 7.6 0.0 27.7

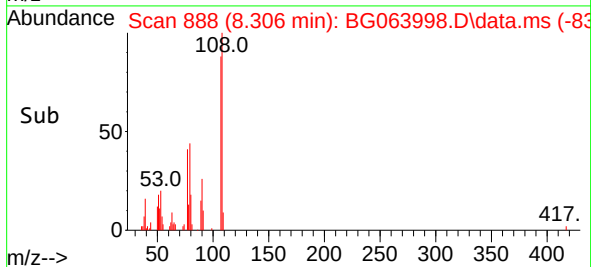
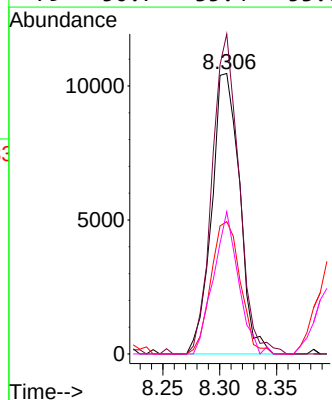
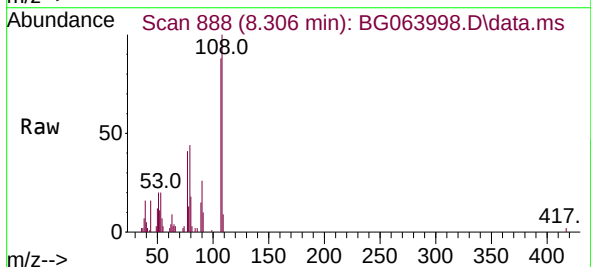
Manual Integrations
APPROVED

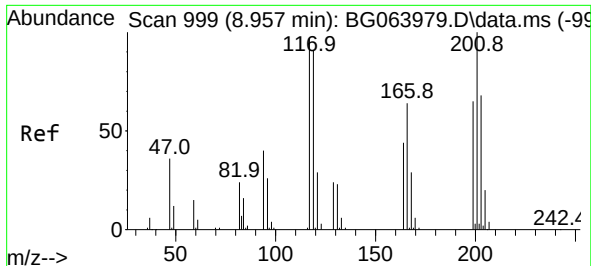
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#17
2-Methylphenol
Concen: 4.873 ng
RT: 8.306 min Scan# 888
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

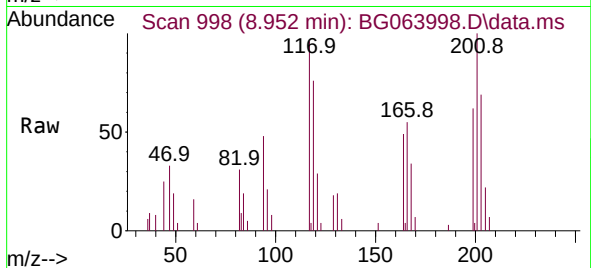
Tgt Ion:107 Resp: 17842
Ion Ratio Lower Upper
107 100
108 114.1 82.9 124.3
77 47.2 36.4 54.6
79 50.7 35.4 53.0





#18
Hexachloroethane
Concen: 5.542 ng
RT: 8.952 min Scan# 911
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

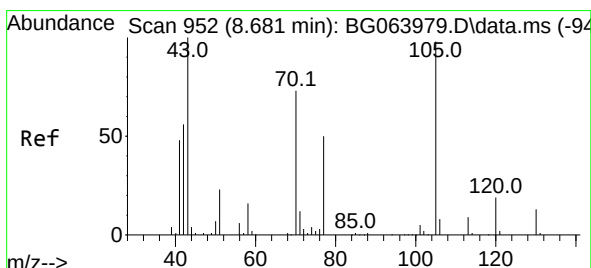
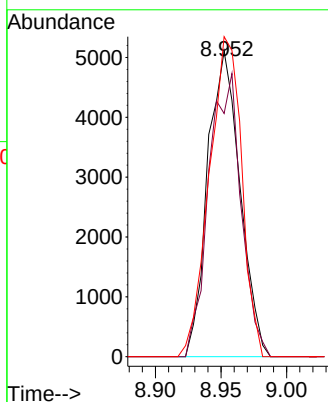
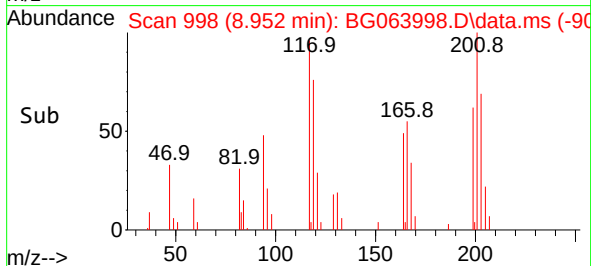
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:117 Resp: 8754
Ion Ratio Lower Upper
117 100
119 76.3 75.4 113.0
201 100.4 82.4 123.6

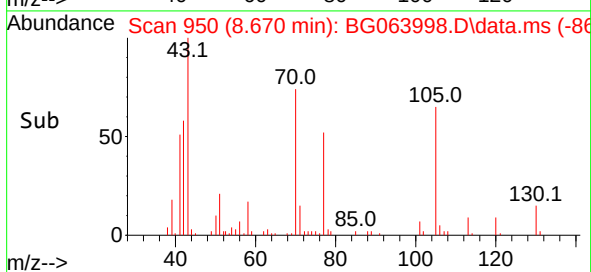
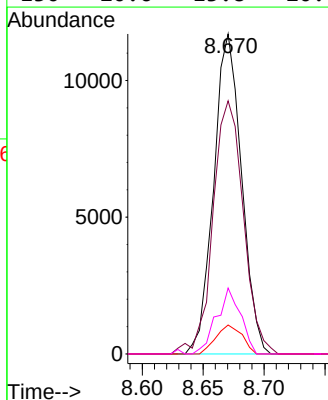
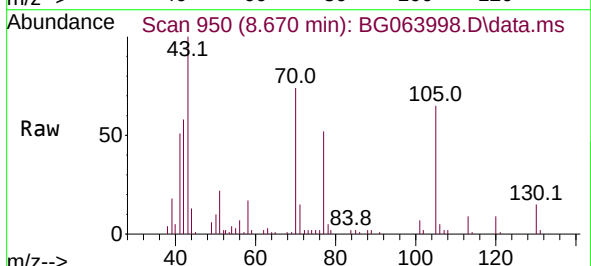
Manual Integrations
APPROVED

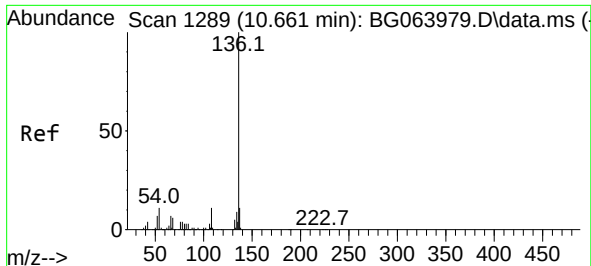
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#19
n-Nitroso-di-n-propylamine
Concen: 4.999 ng
RT: 8.670 min Scan# 950
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

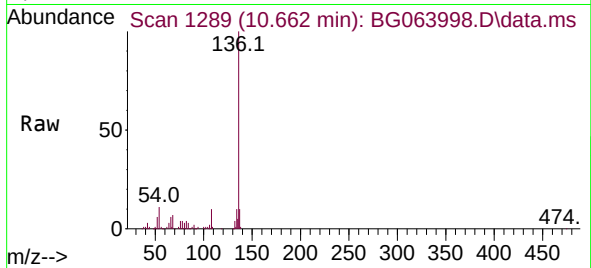
Tgt Ion: 70 Resp: 18619
Ion Ratio Lower Upper
70 100
42 79.1 62.2 93.4
101 9.1 5.6 8.4#
130 20.6 13.8 20.6





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.662 min Scan# 1289
Delta R.T. 0.001 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

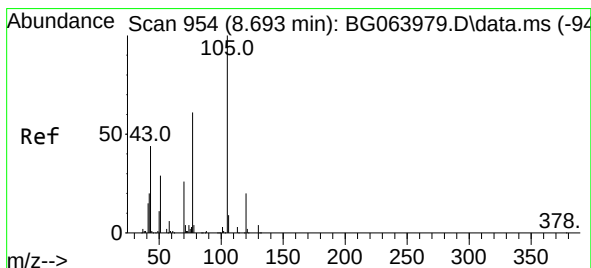
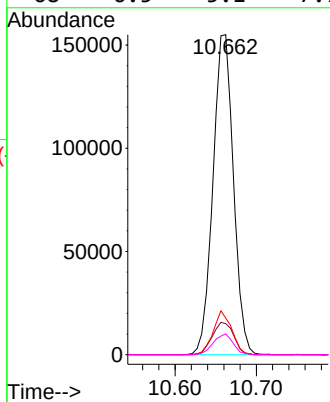
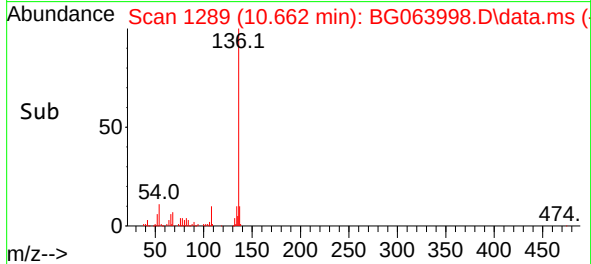
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:	136	Resp:	27179
Ion Ratio	Lower	Upper	
136	100		
137	9.7	8.9	13.3
54	11.4	9.2	13.8
68	6.5	5.1	7.7

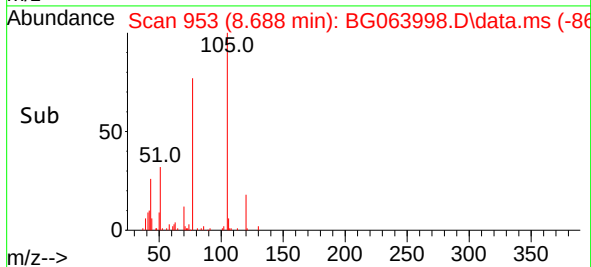
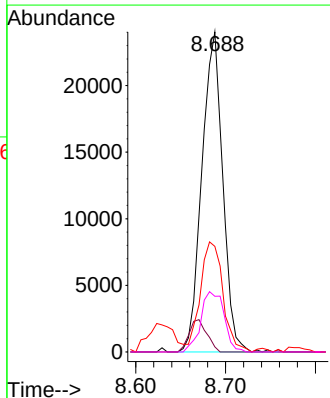
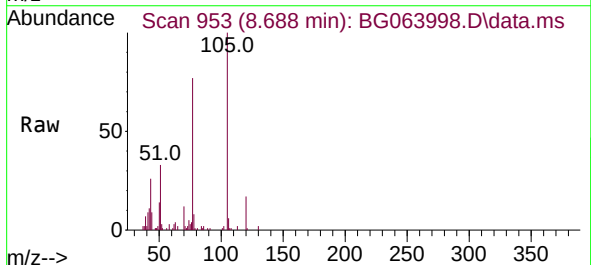
Manual Integrations
APPROVED

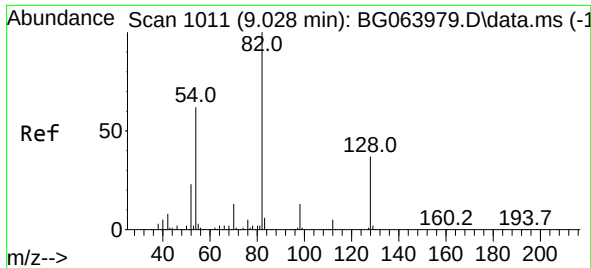
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#22
Acetophenone
Concen: 5.187 ng
RT: 8.688 min Scan# 953
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

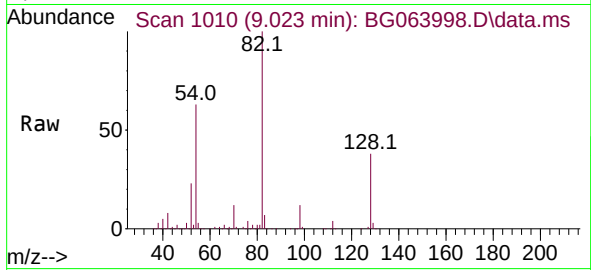
Tgt Ion:	105	Resp:	38737
Ion Ratio	Lower	Upper	
105	100		
71	1.6	3.1	4.7#
51	33.0	29.9	44.9
120	17.4	16.0	24.0





#23
Nitrobenzene-d5
Concen: 83.211 ng
RT: 9.023 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

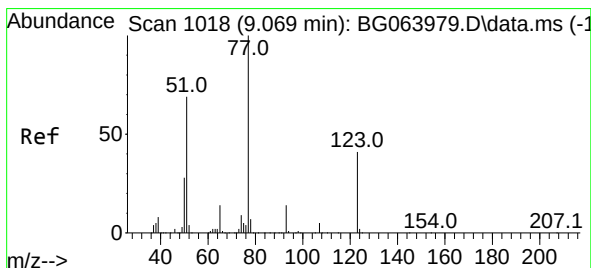
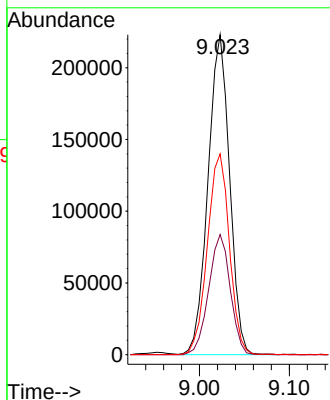
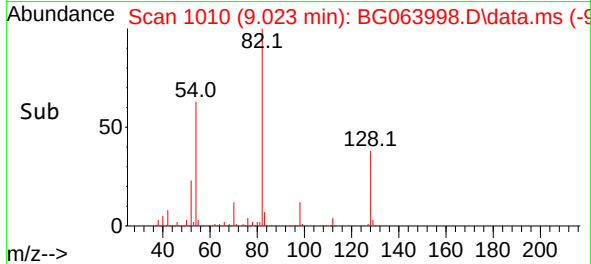
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 82 Resp: 372125
Ion Ratio Lower Upper
82 100
128 37.6 29.4 44.2
54 62.8 49.9 74.9

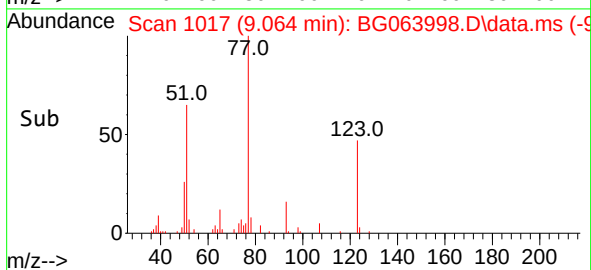
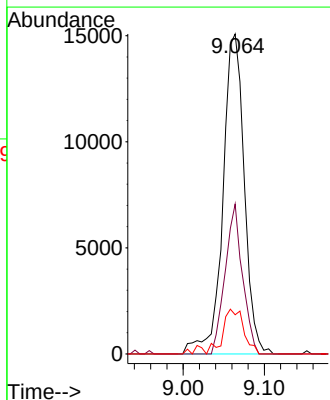
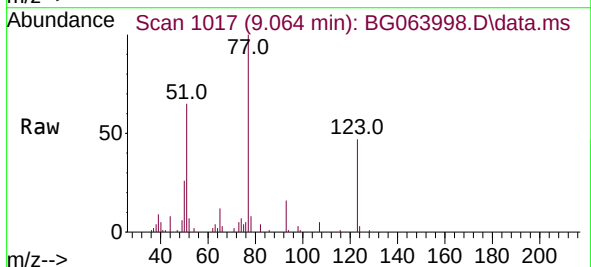
Manual Integrations
APPROVED

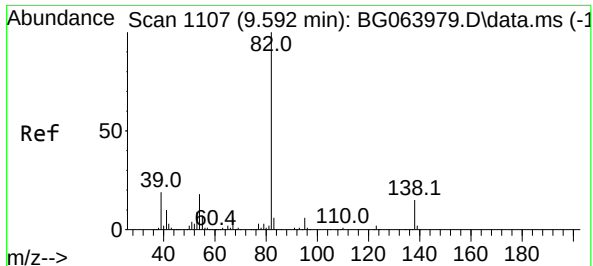
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#24
Nitrobenzene
Concen: 6.153 ng
RT: 9.064 min Scan# 1017
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

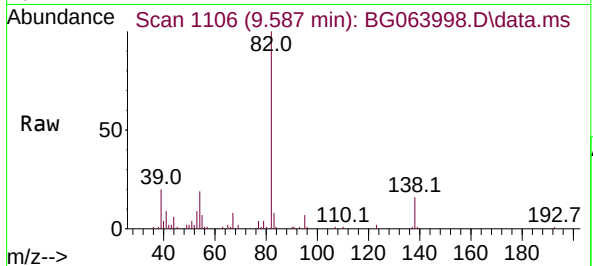
Tgt Ion: 77 Resp: 27616
Ion Ratio Lower Upper
77 100
123 46.9 32.9 49.3
65 12.3 11.0 16.6





#25
Isophorone
Concen: 5.191 ng
RT: 9.587 min Scan# 1106
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

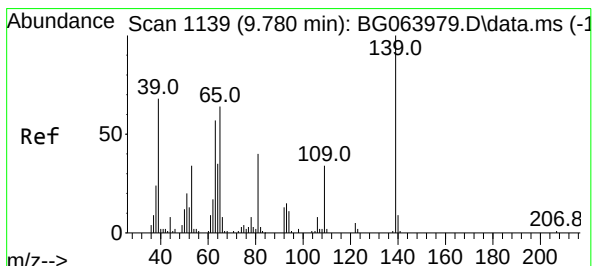
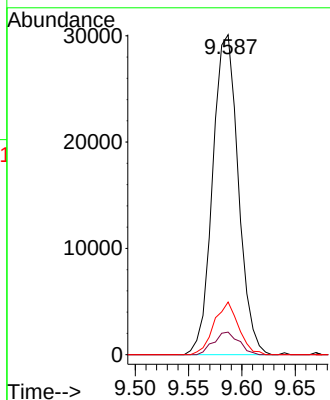
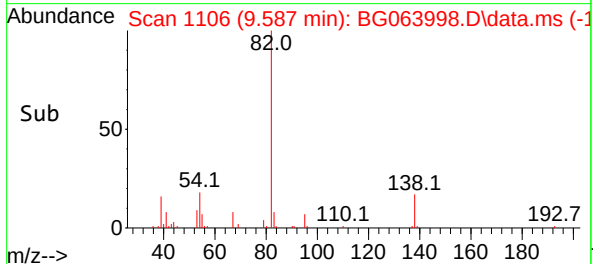
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 82 Resp: 50320
Ion Ratio Lower Upper
82 100
95 7.1 5.0 7.4
138 16.4 12.2 18.4

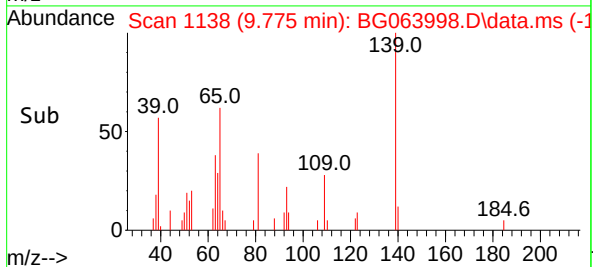
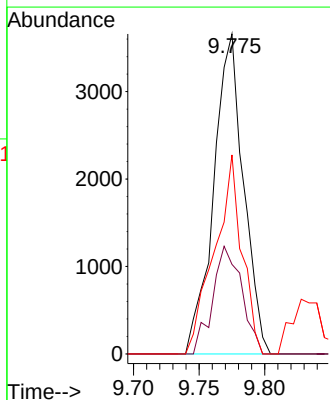
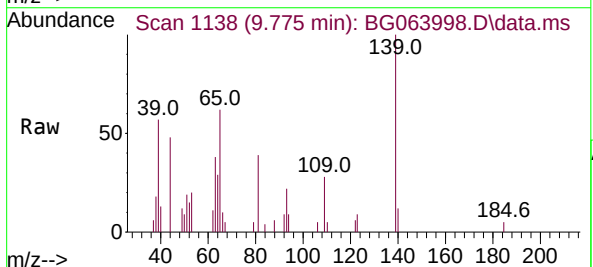
Manual Integrations
APPROVED

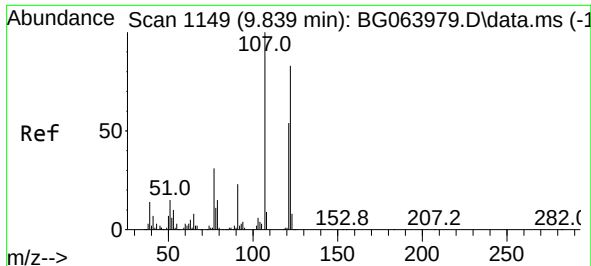
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 6.194 ng
RT: 9.775 min Scan# 1138
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Tgt Ion:139 Resp: 5793
Ion Ratio Lower Upper
139 100
109 28.0 27.1 40.7
65 62.2 51.0 76.6





#27

2,4-Dimethylphenol

Concen: 4.369 ng m

RT: 9.834 min Scan# 1149

Delta R.T. -0.005 min

Lab File: BG063998.D

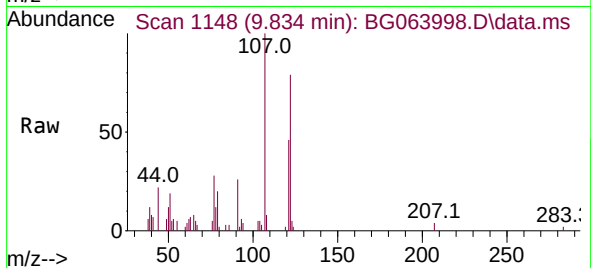
Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025



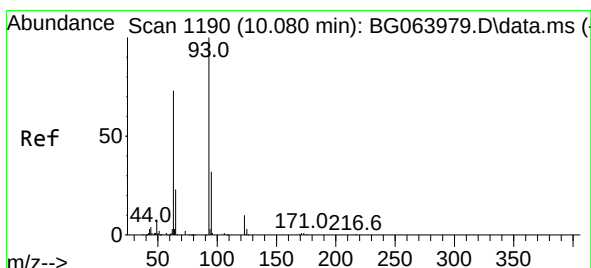
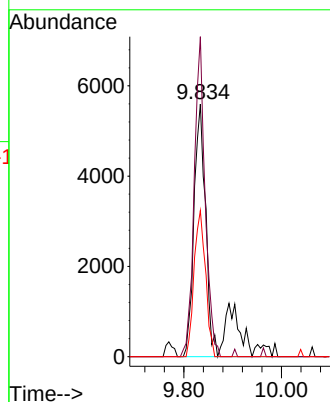
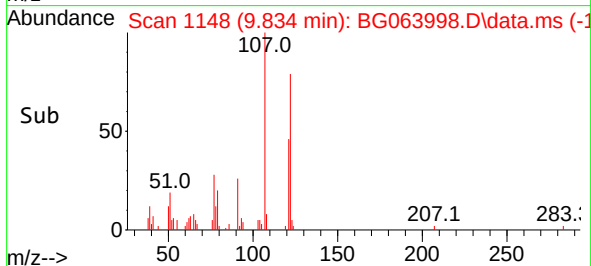
Tgt Ion:	122	Resp:	1218
Ion	Ratio	Lower	Upper
122	100		
107	126.7	96.4	144.6
121	57.8	51.8	77.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.204 ng

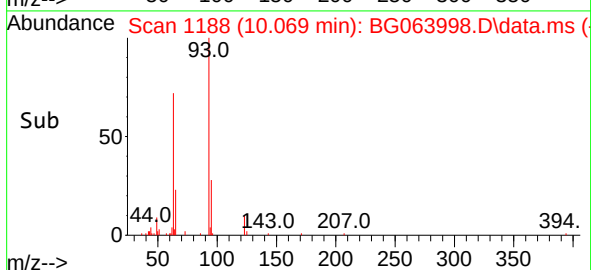
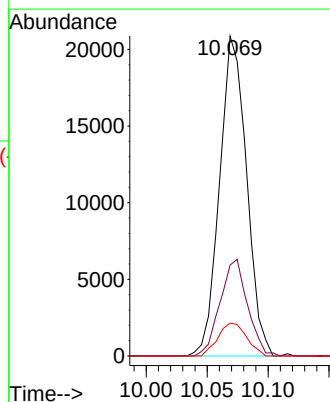
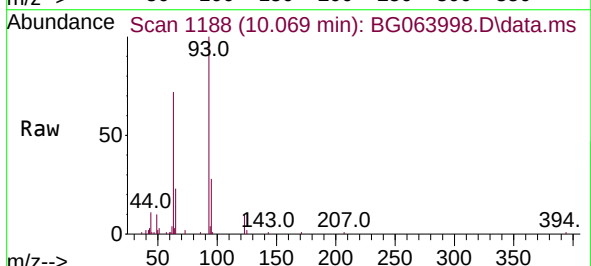
RT: 10.069 min Scan# 1188

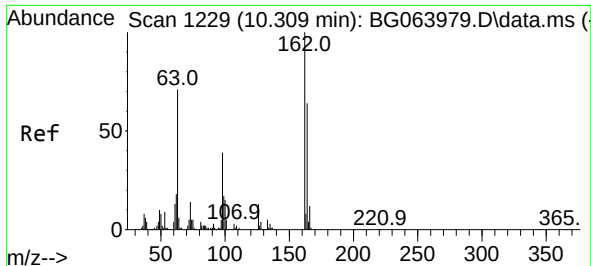
Delta R.T. -0.011 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

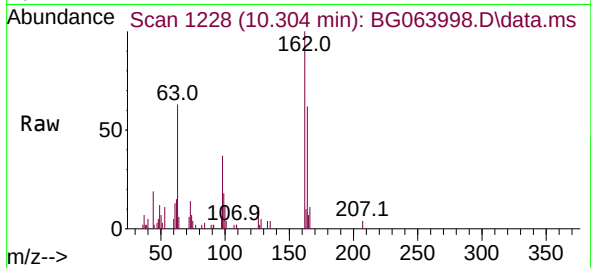
Tgt Ion:	93	Resp:	32105
Ion	Ratio	Lower	Upper
93	100		
95	28.4	25.4	38.2
123	10.3	7.8	11.6





#29
2,4-Dichlorophenol
Concen: 5.034 ng
RT: 10.304 min Scan# 1228
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

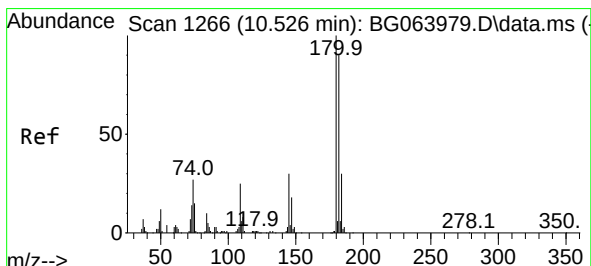
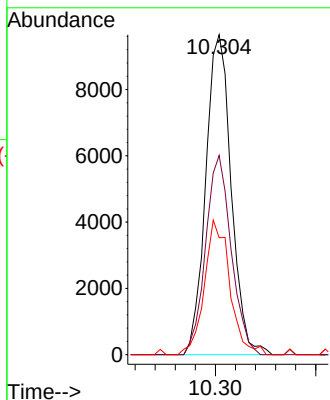
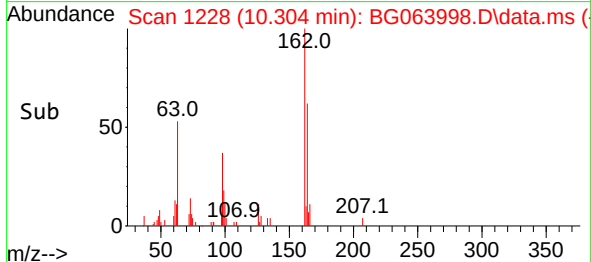
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:162 Resp: 1701
Ion Ratio Lower Upper
162 100
164 62.3 43.6 83.6
98 36.6 18.6 58.6

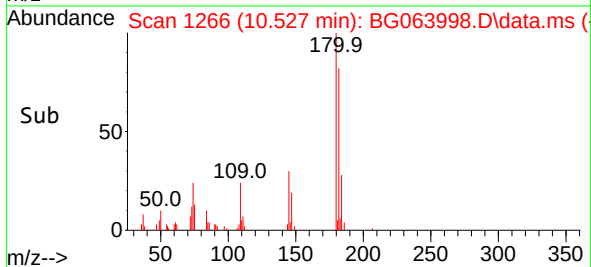
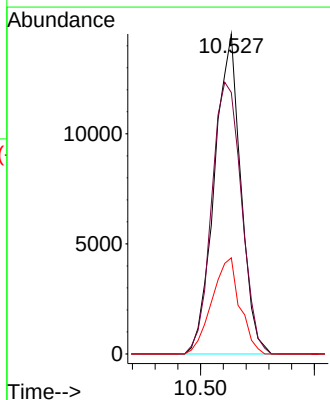
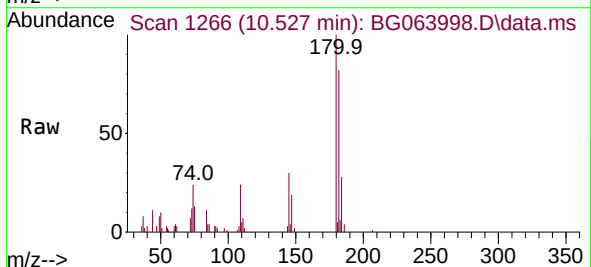
Manual Integrations
APPROVED

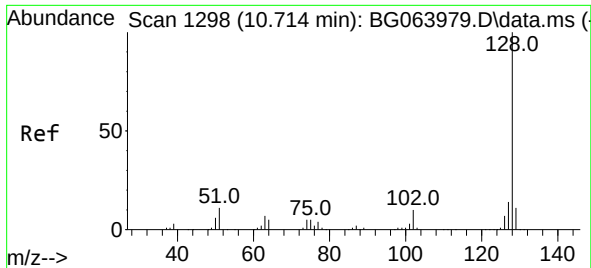
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#30
1,2,4-Trichlorobenzene
Concen: 5.111 ng
RT: 10.527 min Scan# 1266
Delta R.T. 0.001 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

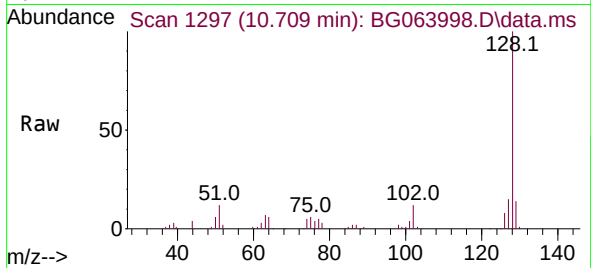
Tgt Ion:180 Resp: 23415
Ion Ratio Lower Upper
180 100
182 81.7 72.3 108.5
145 30.0 23.8 35.8





#31
Naphthalene
Concen: 5.124 ng
RT: 10.709 min Scan# 1298
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

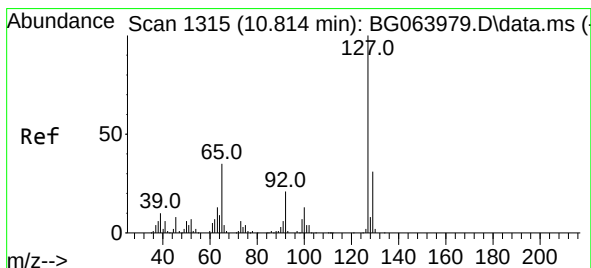
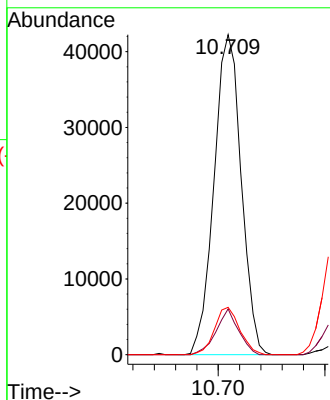
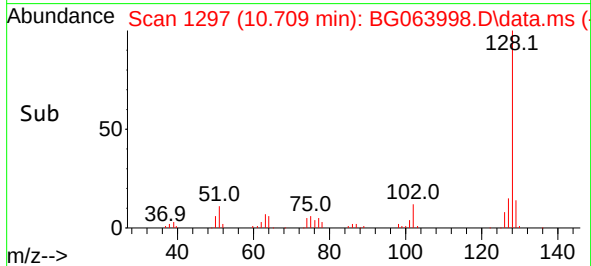
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:128 Resp: 74659
Ion Ratio Lower Upper
128 100
129 14.3 8.8 13.2
127 14.8 10.8 16.2

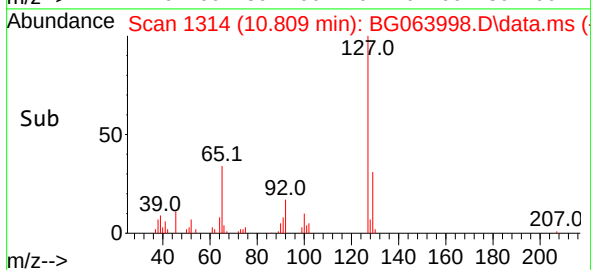
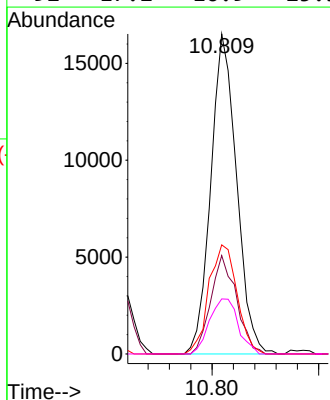
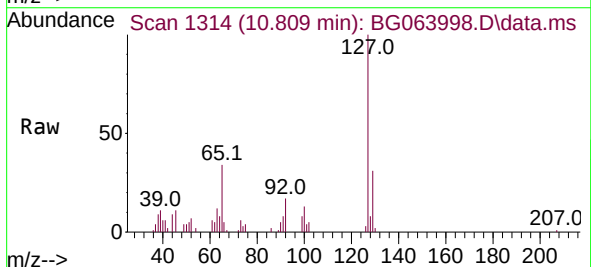
Manual Integrations
APPROVED

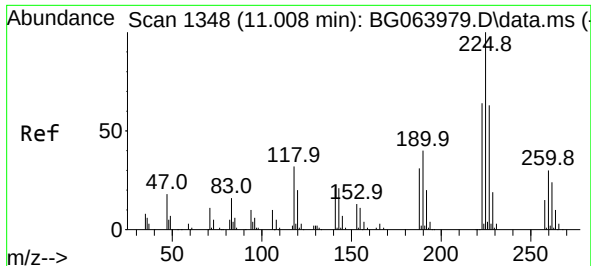
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#33
4-Chloroaniline
Concen: 4.960 ng
RT: 10.809 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

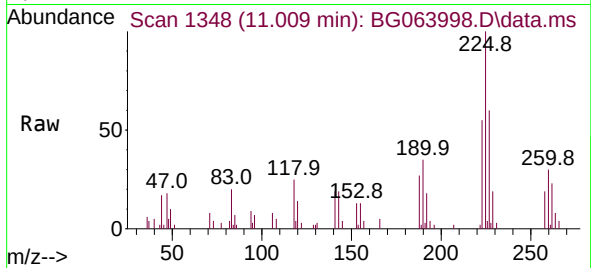
Tgt Ion:127 Resp: 27693
Ion Ratio Lower Upper
127 100
129 30.8 24.9 37.3
65 34.1 28.2 42.4
92 17.2 16.9 25.3





#34
Hexachlorobutadiene
Concen: 5.307 ng
RT: 11.009 min Scan# 11009
Delta R.T. 0.001 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

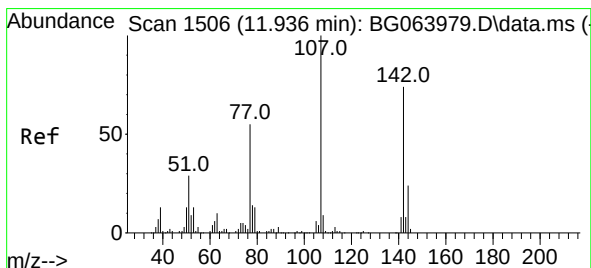
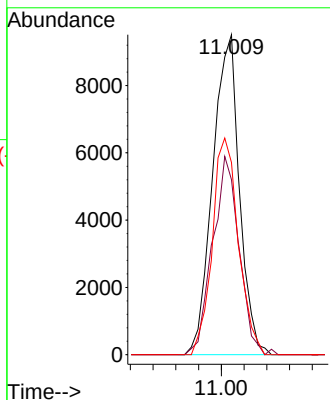
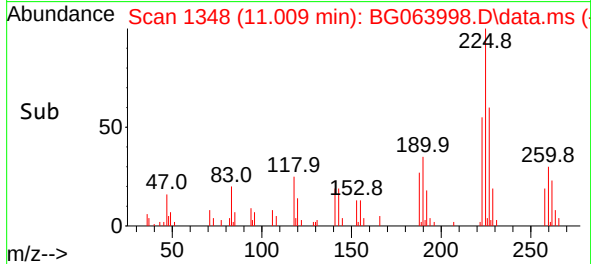
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:225 Resp: 1548
Ion Ratio Lower Upper
225 100
223 52.7 51.0 76.6
227 60.5 50.3 75.5

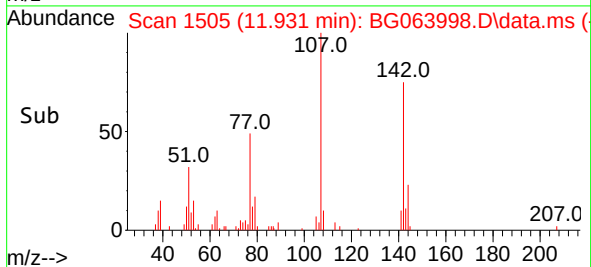
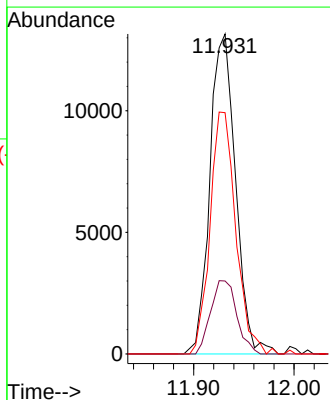
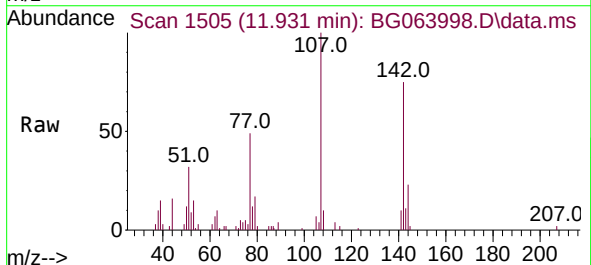
Manual Integrations
APPROVED

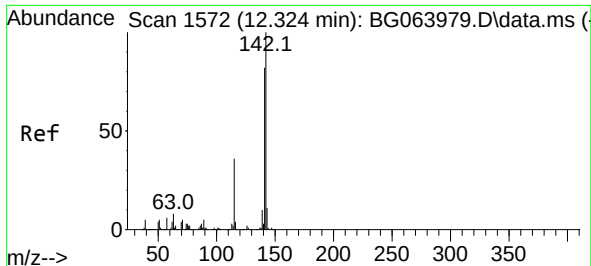
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36
4-Chloro-3-methylphenol
Concen: 5.248 ng
RT: 11.931 min Scan# 1505
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

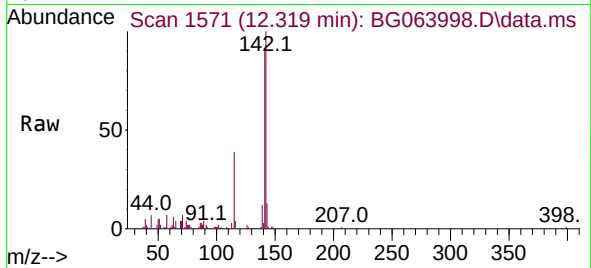
Tgt Ion:107 Resp: 23427
Ion Ratio Lower Upper
107 100
144 22.8 19.2 28.8
142 75.4 58.9 88.3





#37
2-Methylnaphthalene
Concen: 5.088 ng
RT: 12.319 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

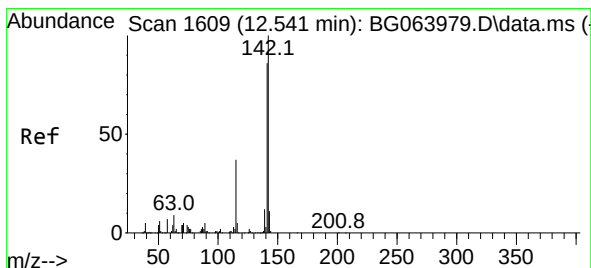
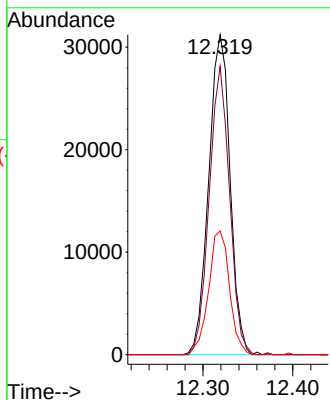
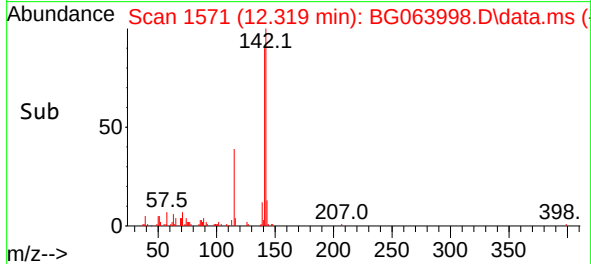
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



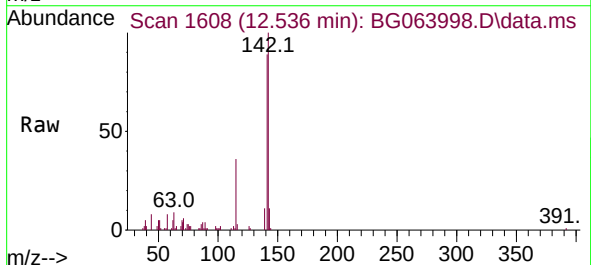
Tgt Ion:142 Resp: 51670
Ion Ratio Lower Upper
142 100
141 90.1 65.8 98.8
115 38.6 28.9 43.3

Manual Integrations
APPROVED

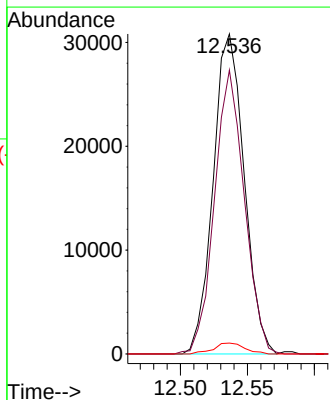
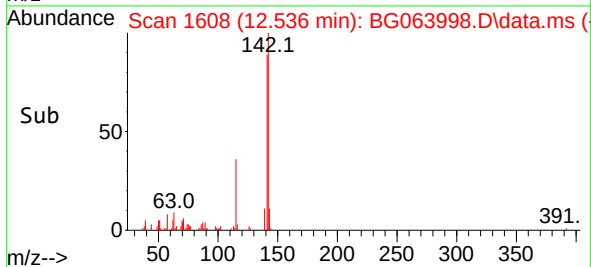
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

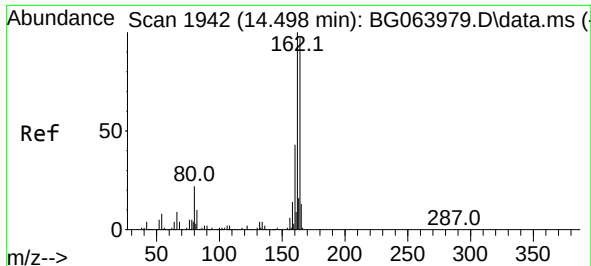


#38
1-Methylnaphthalene
Concen: 4.940 ng m
RT: 12.536 min Scan# 1608
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14



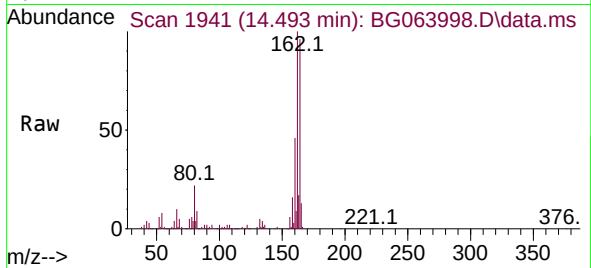
Tgt Ion:142 Resp: 49635
Ion Ratio Lower Upper
142 100
141 88.7 69.2 103.8
116 3.4 3.6 5.4#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.493 min Scan# 1942
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

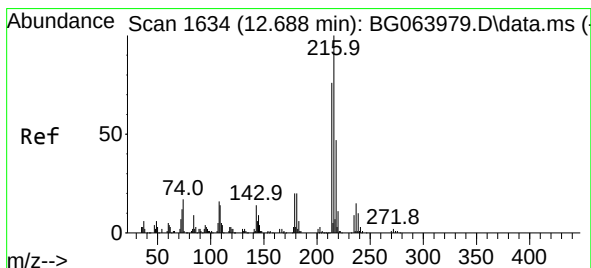
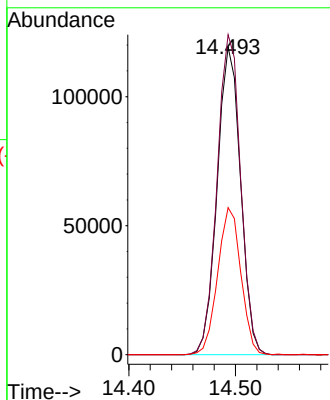
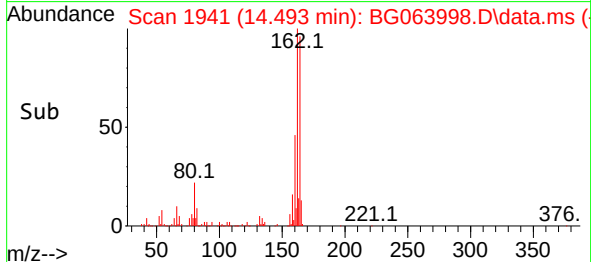
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:164 Resp: 181472
Ion Ratio Lower Upper
164 100
162 104.1 82.3 123.5
160 47.8 35.4 53.0

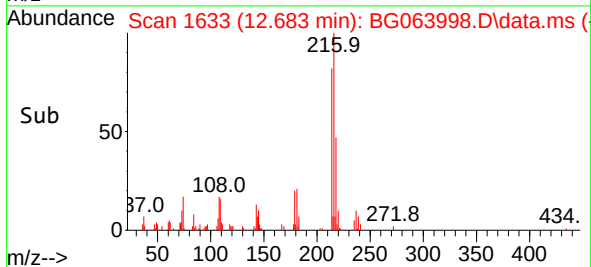
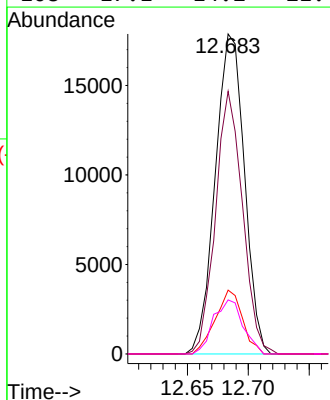
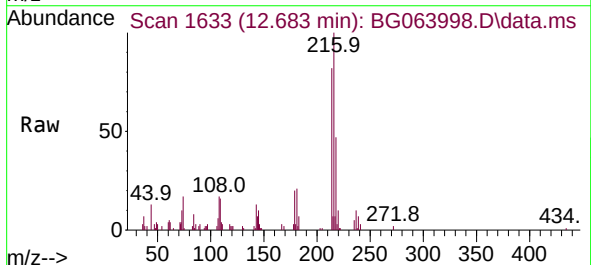
Manual Integrations
APPROVED

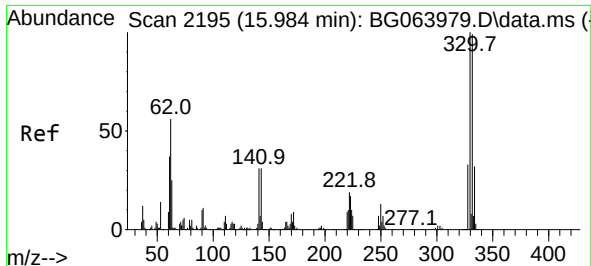
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.567 ng
RT: 12.683 min Scan# 1633
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

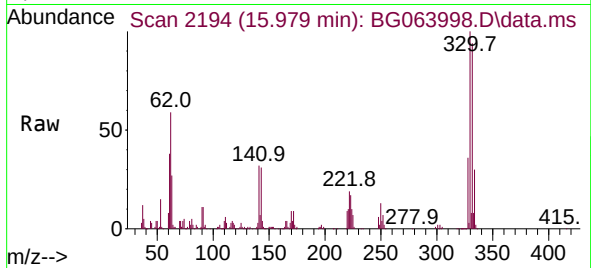
Tgt Ion:216 Resp: 29792
Ion Ratio Lower Upper
216 100
214 76.0 62.9 94.3
179 18.6 16.6 25.0
108 17.1 14.2 21.4





#42
2,4,6-Tribromophenol
Concen: 101.342 ng
RT: 15.979 min Scan# 2195
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

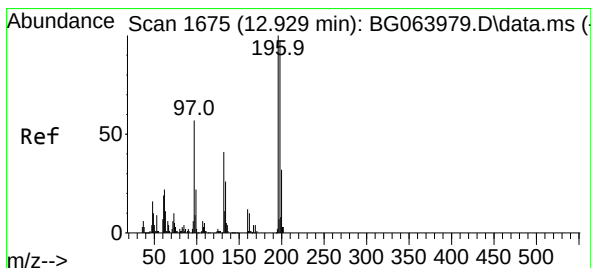
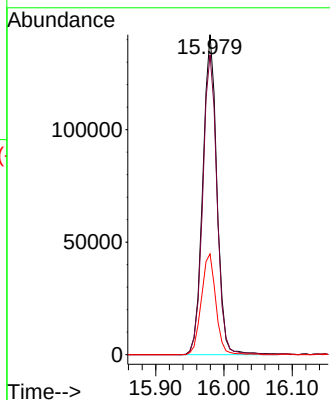
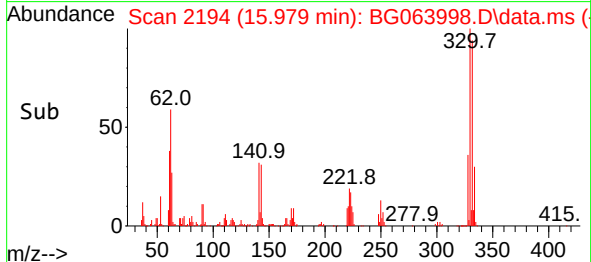
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:330 Resp: 20446
Ion Ratio Lower Upper
330 100
332 94.8 79.0 118.6
141 32.3 27.2 40.8

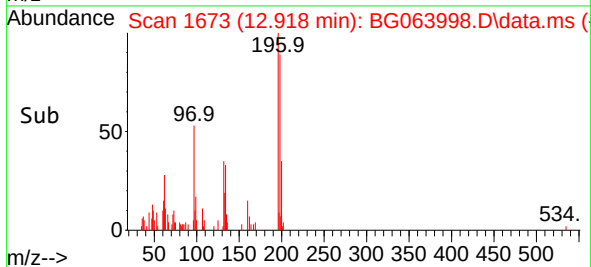
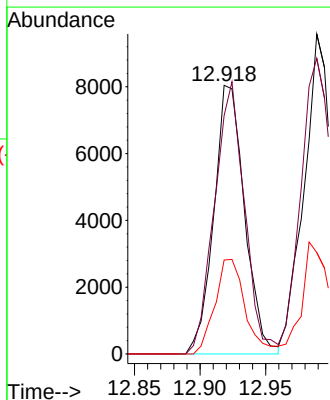
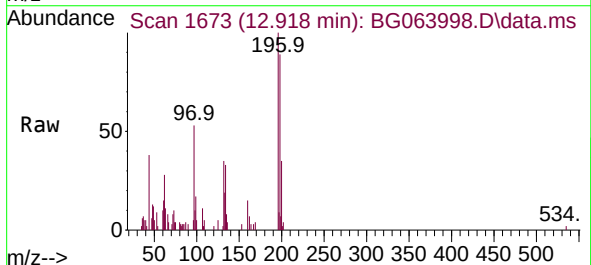
Manual Integrations
APPROVED

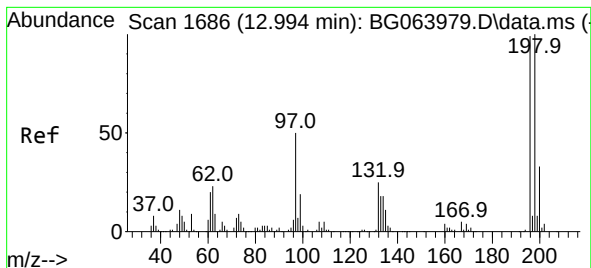
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#43
2,4,6-Trichlorophenol
Concen: 5.022 ng
RT: 12.918 min Scan# 1673
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

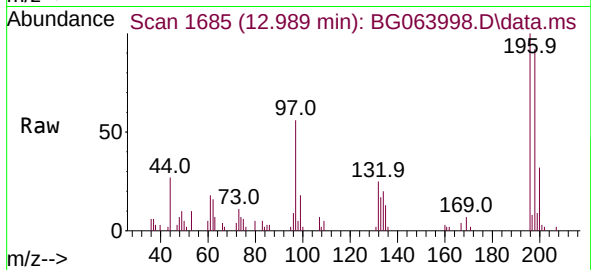
Tgt Ion:196 Resp: 13121
Ion Ratio Lower Upper
196 100
198 88.8 77.9 116.9
200 35.0 25.5 38.3





#44
2,4,5-Trichlorophenol
Concen: 4.945 ng
RT: 12.989 min Scan# 1685
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

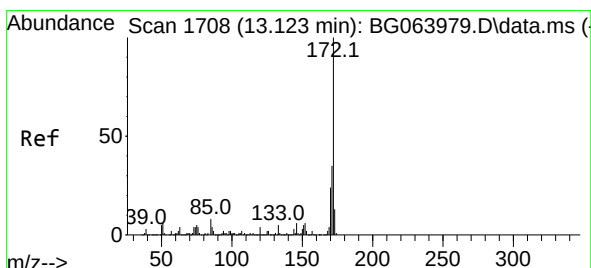
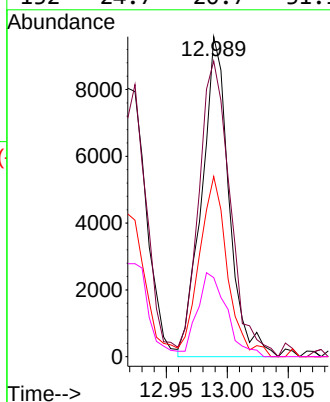
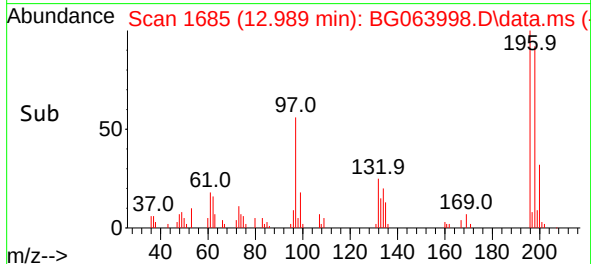
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:196 Resp: 14929
Ion Ratio Lower Upper
196 100
198 92.4 81.1 121.7
97 56.3 41.2 61.8
132 24.7 20.7 31.1

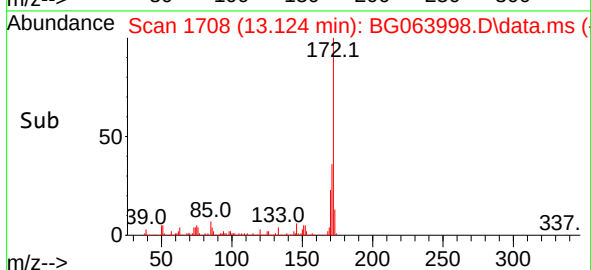
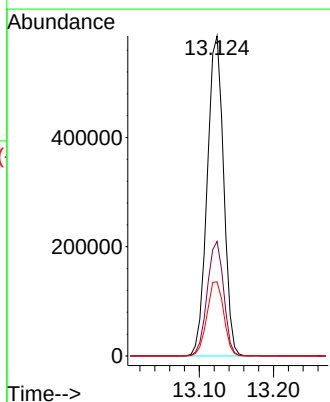
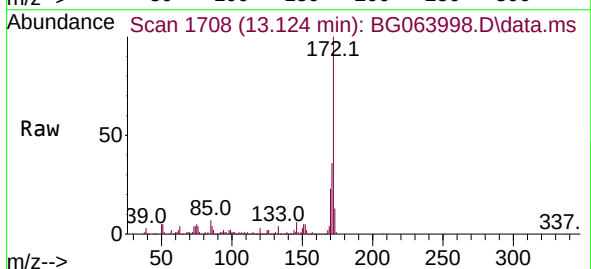
Manual Integrations
APPROVED

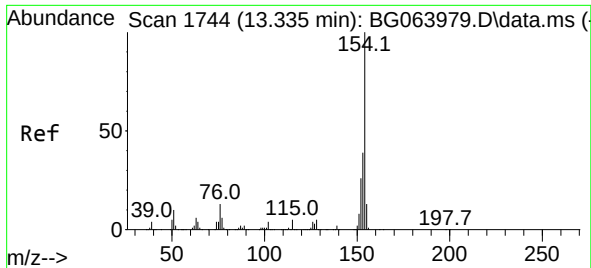
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#45
2-Fluorobiphenyl
Concen: 75.811 ng
RT: 13.124 min Scan# 1708
Delta R.T. 0.001 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

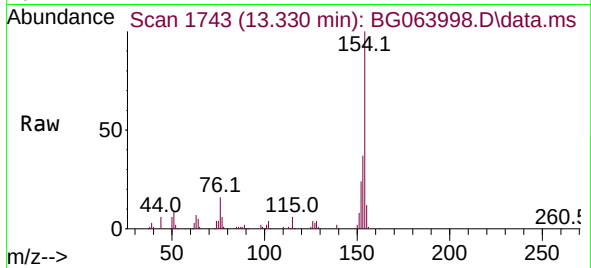
Tgt Ion:172 Resp: 897936
Ion Ratio Lower Upper
172 100
171 35.8 27.8 41.6
170 23.2 19.4 29.2





#46
1,1'-Biphenyl
Concen: 5.446 ng
RT: 13.330 min Scan# 1743
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

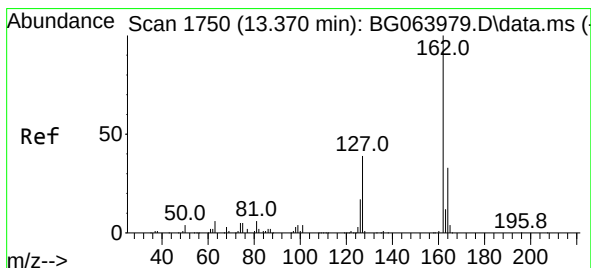
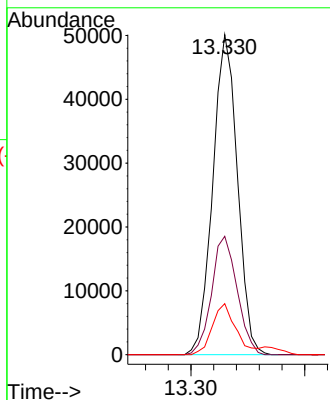
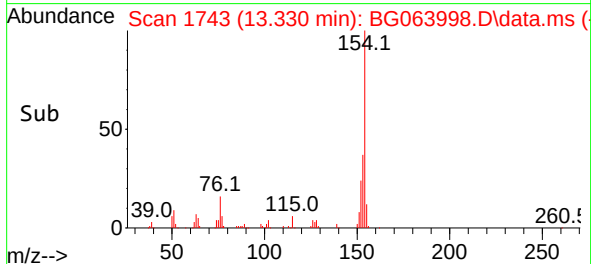
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:154 Resp: 75249
Ion Ratio Lower Upper
154 100
153 37.0 19.3 59.3
76 16.0 0.0 33.3

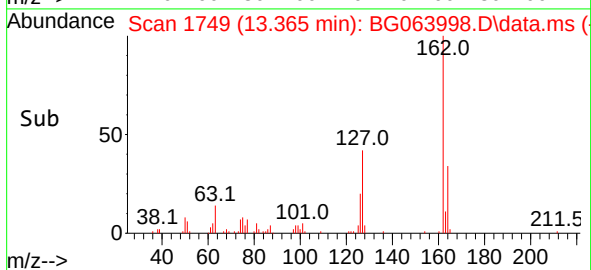
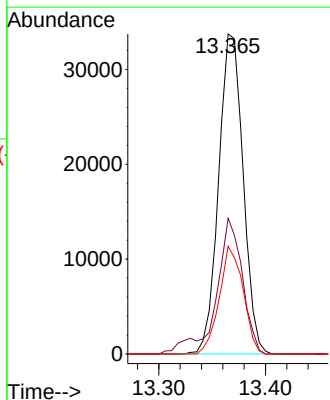
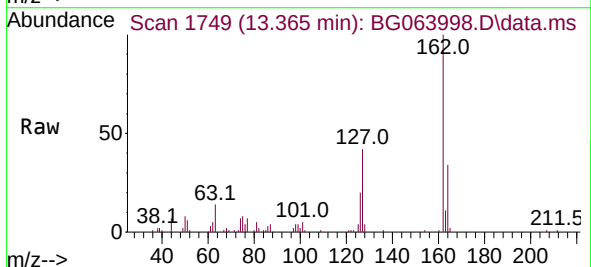
Manual Integrations
APPROVED

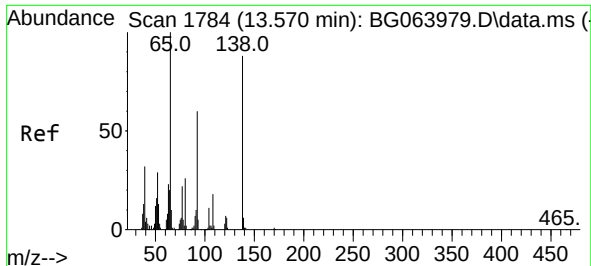
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#47
2-Chloronaphthalene
Concen: 5.344 ng
RT: 13.365 min Scan# 1749
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

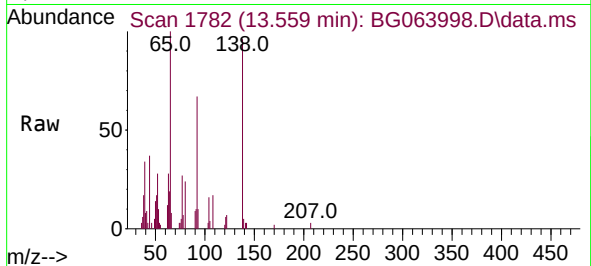
Tgt Ion:162 Resp: 53815
Ion Ratio Lower Upper
162 100
127 42.4 33.4 50.2
164 33.7 26.0 39.0





#48
2-Nitroaniline
Concen: 4.957 ng
RT: 13.559 min Scan# 11198
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

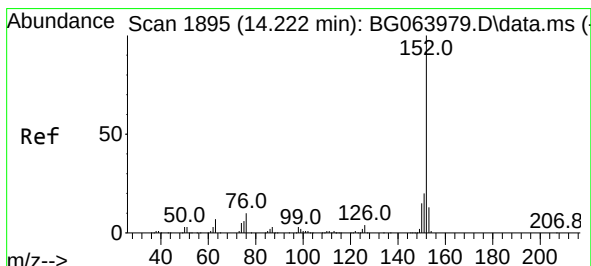
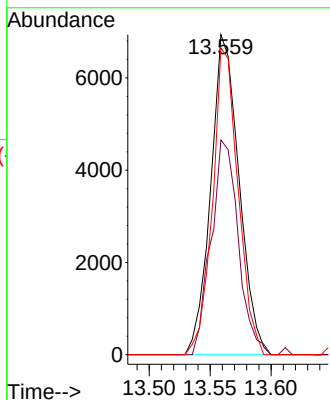
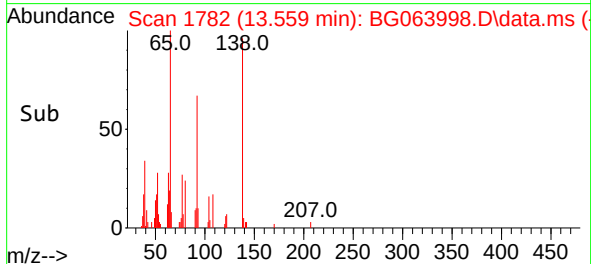
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 65 Resp: 11198
Ion Ratio Lower Upper
65 100
92 67.1 47.6 71.4
138 95.9 70.6 106.0

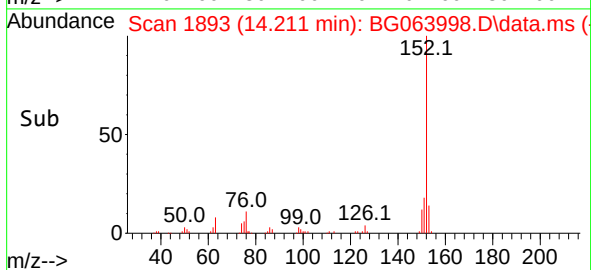
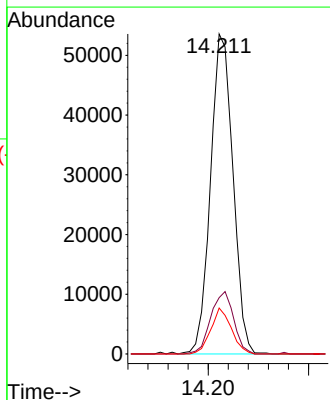
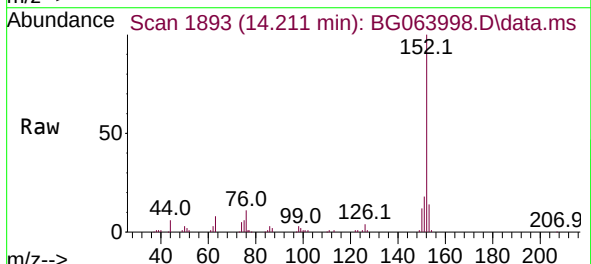
Manual Integrations
APPROVED

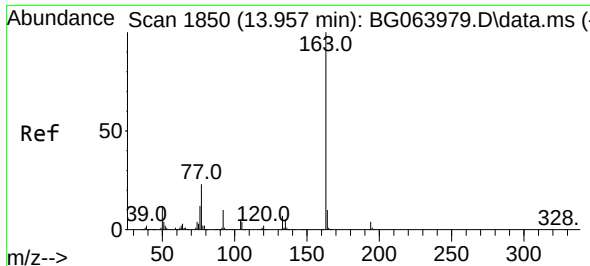
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#49
Acenaphthylene
Concen: 5.322 ng
RT: 14.211 min Scan# 1893
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

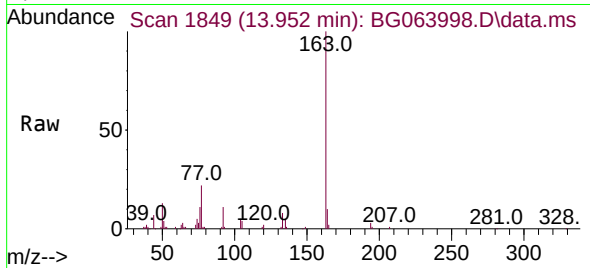
Tgt Ion:152 Resp: 83255
Ion Ratio Lower Upper
152 100
151 17.6 15.9 23.9
153 14.4 10.3 15.5





#50
Dimethylphthalate
Concen: 5.228 ng
RT: 13.952 min Scan# 1849
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

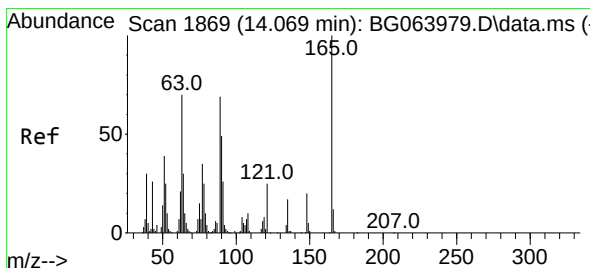
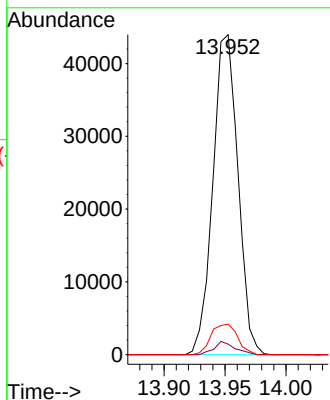
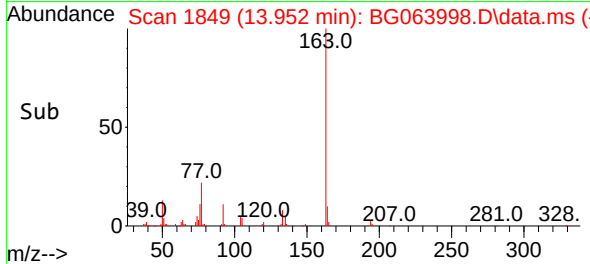
Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT1-2025



Tgt Ion:163 Resp: 6290
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 9.5 8.0 12.0

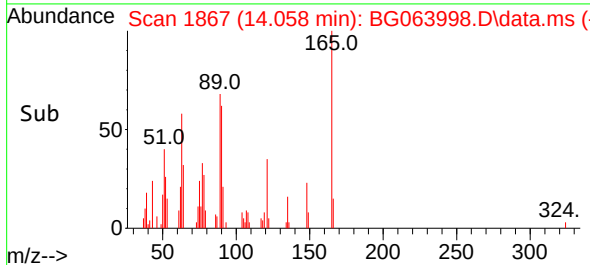
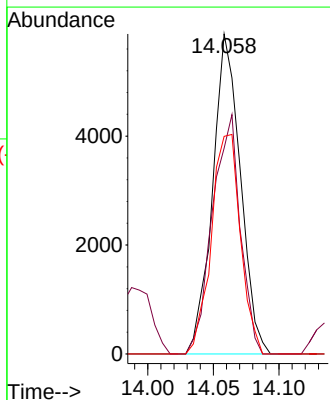
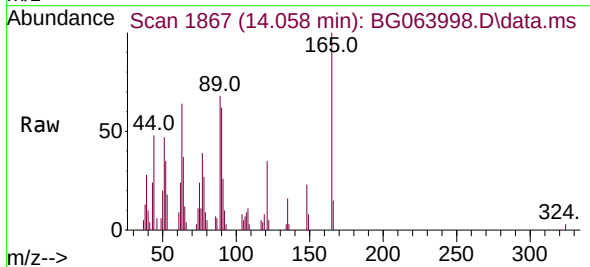
Manual Integrations
APPROVED

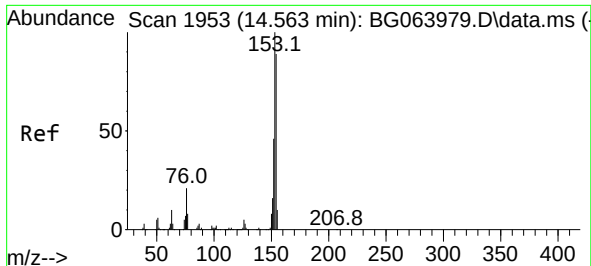
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#51
2,6-Dinitrotoluene
Concen: 4.569 ng
RT: 14.058 min Scan# 1867
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

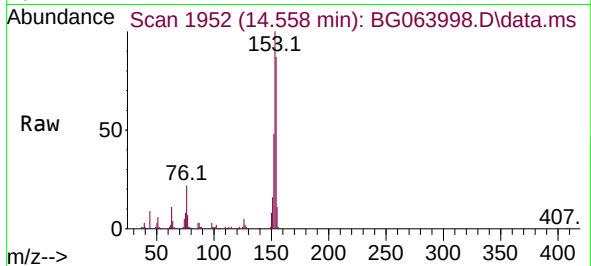
Tgt Ion:165 Resp: 8642
Ion Ratio Lower Upper
165 100
63 64.3 57.7 86.5
89 68.0 55.6 83.4





#52
Acenaphthene
Concen: 5.305 ng
RT: 14.558 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

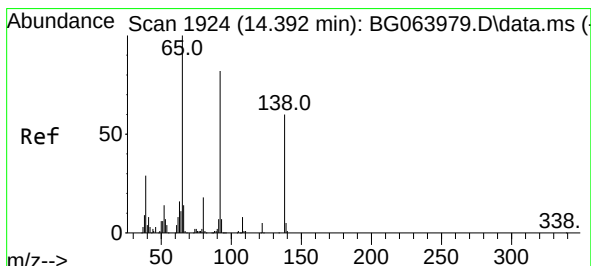
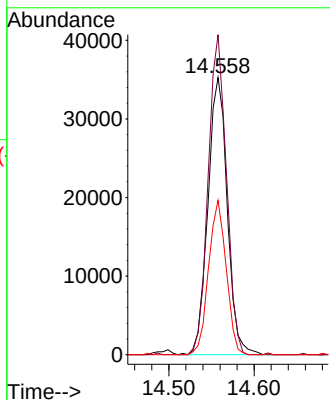
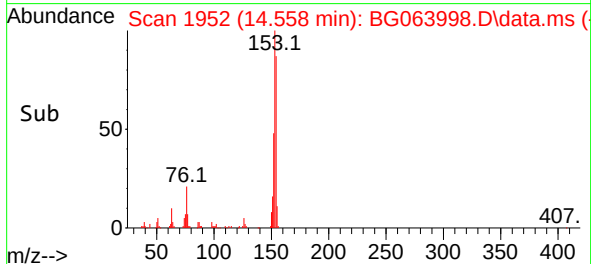
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:154 Resp: 5566
Ion Ratio Lower Upper
154 100
153 115.4 90.2 135.2
152 55.7 41.1 61.7

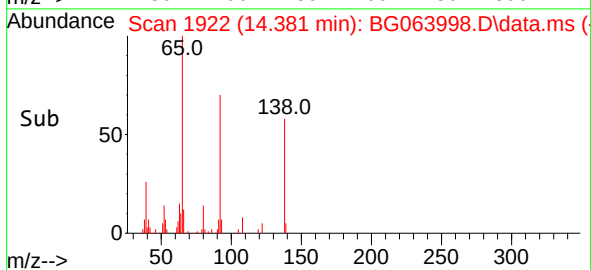
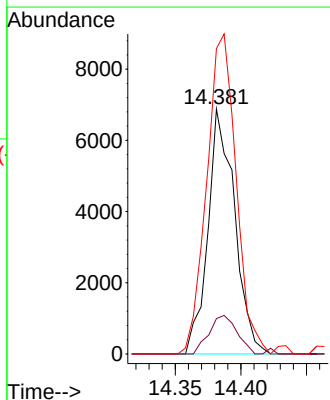
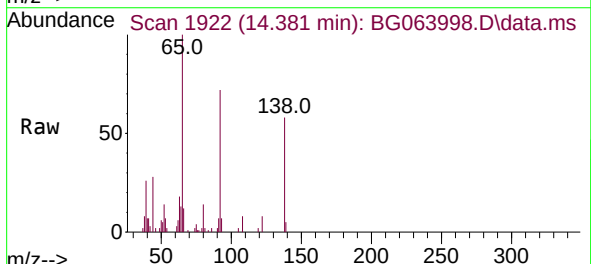
Manual Integrations
APPROVED

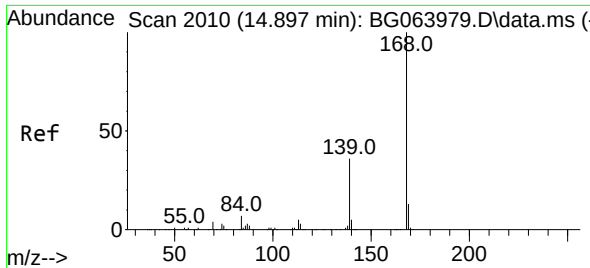
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#53
3-Nitroaniline
Concen: 4.499 ng
RT: 14.381 min Scan# 1922
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Tgt Ion:138 Resp: 9726
Ion Ratio Lower Upper
138 100
108 14.4 10.3 15.5
92 124.7 109.0 163.4





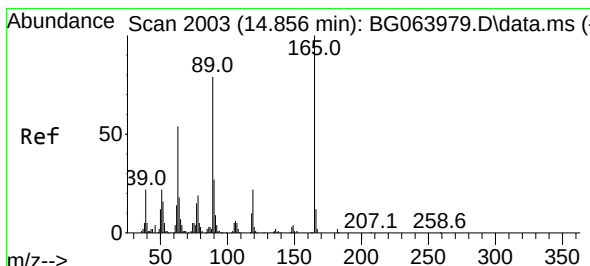
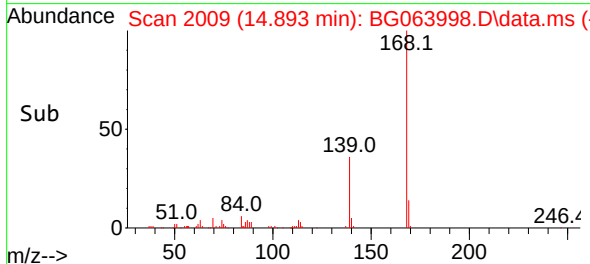
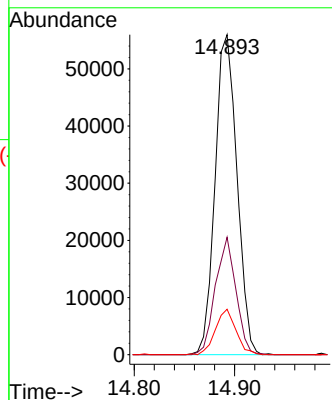
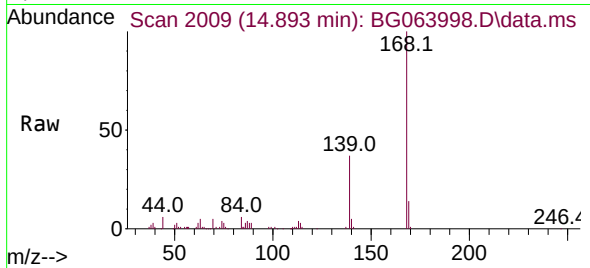
#55
Dibenzenofuran
Concen: 4.976 ng
RT: 14.893 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:168 Resp: 8478
Ion Ratio Lower Upper
168 100
139 36.7 28.6 43.0
169 14.2 10.6 16.0

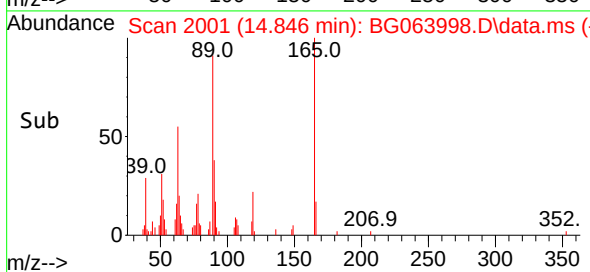
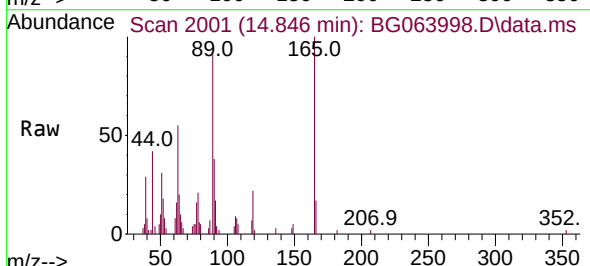
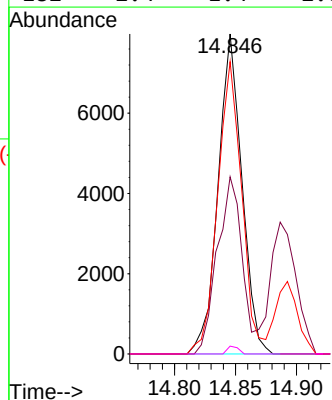
Manual Integrations
APPROVED

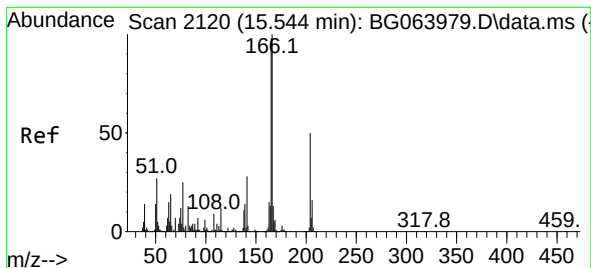
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#57
2,4-Dinitrotoluene
Concen: 4.462 ng
RT: 14.846 min Scan# 2001
Delta R.T. -0.010 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Tgt Ion:165 Resp: 10864
Ion Ratio Lower Upper
165 100
63 55.4 43.6 65.4
89 91.3 63.1 94.7
182 2.4 1.4 2.0#





#58

Fluorene

Concen: 5.224 ng

RT: 15.539 min Scan# 2119

Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:166 Resp: 6878

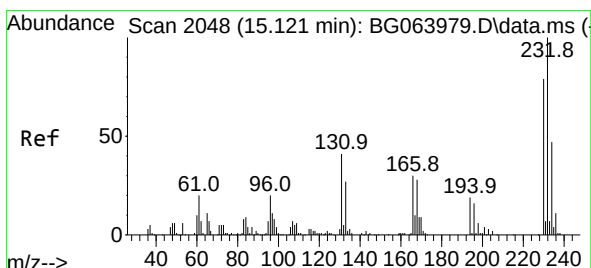
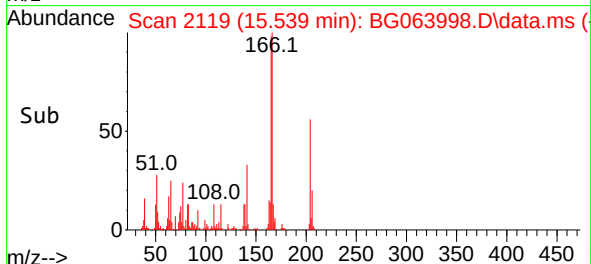
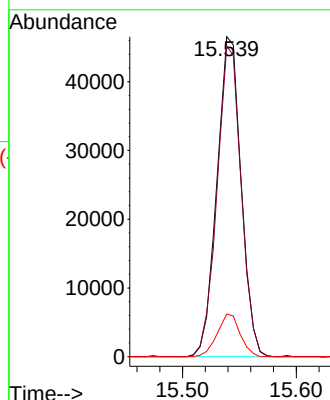
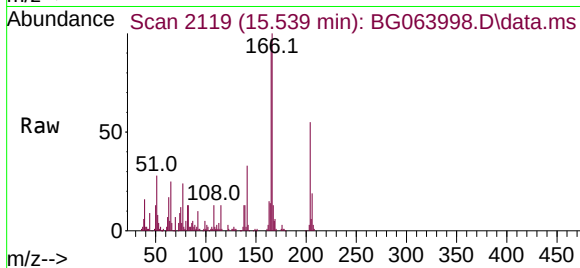
Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.7	118.1
167	13.3	10.1	15.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.958 ng m

RT: 15.116 min Scan# 2047

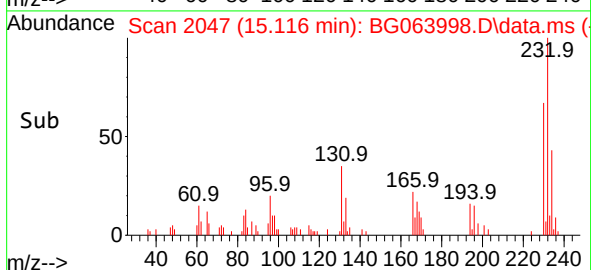
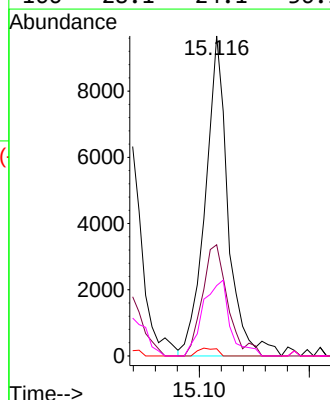
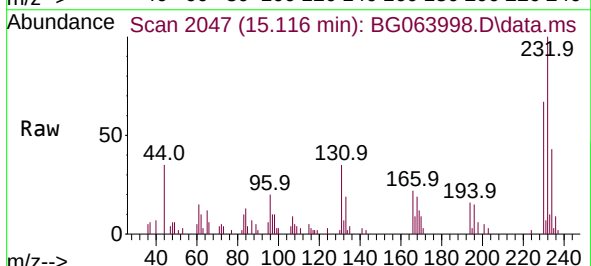
Delta R.T. -0.005 min

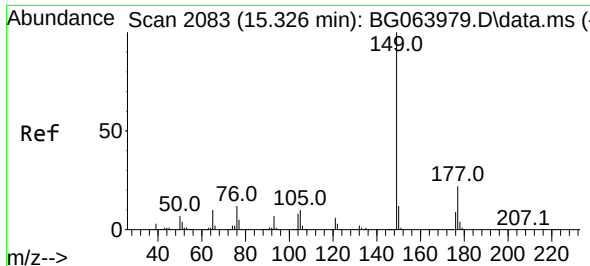
Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Tgt Ion:232 Resp: 13887

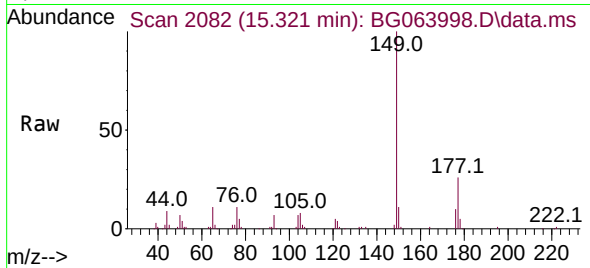
Ion	Ratio	Lower	Upper
232	100		
131	38.9	34.0	51.0
130	2.1	2.2	3.4#
166	28.1	24.1	36.1





#60
Diethylphthalate
Concen: 5.094 ng
RT: 15.321 min Scan# 2083
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

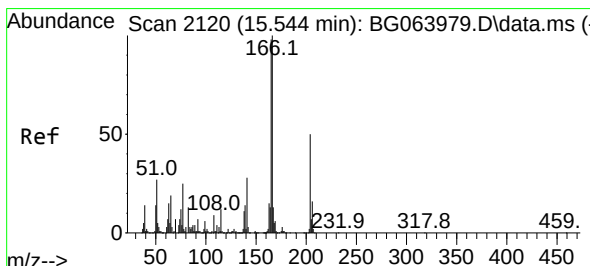
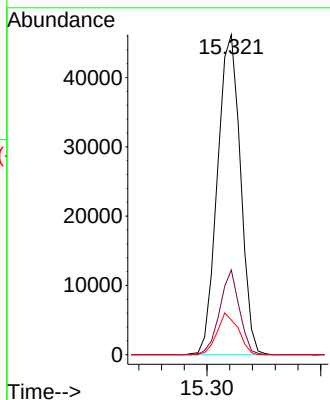
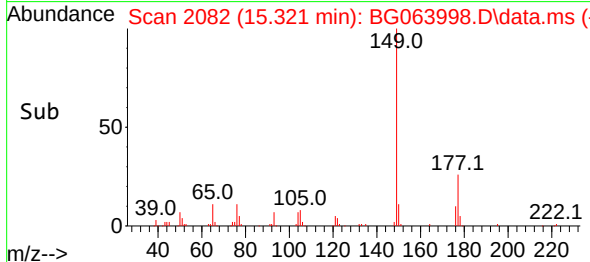
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:149 Resp: 6498
Ion Ratio Lower Upper
149 100
177 26.5 18.0 27.0
150 10.8 9.7 14.5

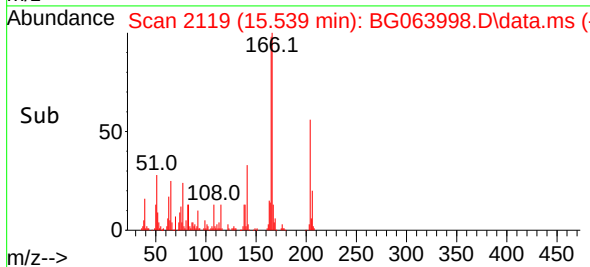
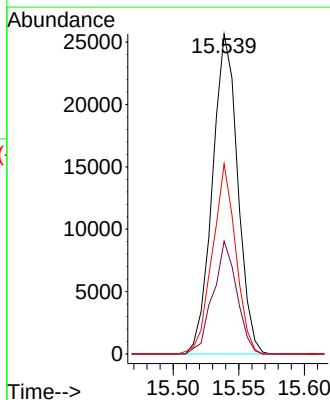
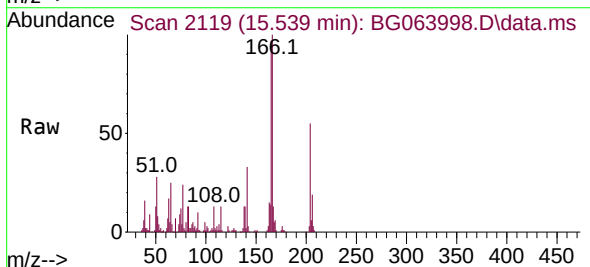
Manual Integrations
APPROVED

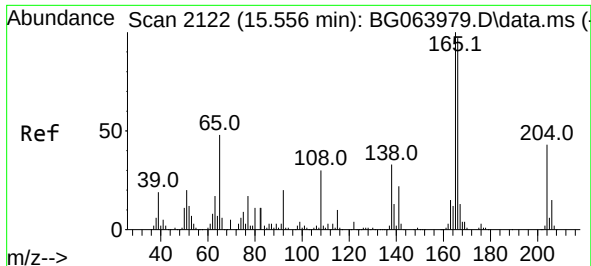
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#61
4-Chlorophenyl-phenylether
Concen: 5.187 ng
RT: 15.539 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Tgt Ion:204 Resp: 34269
Ion Ratio Lower Upper
204 100
206 35.3 25.8 38.6
141 59.4 44.6 67.0





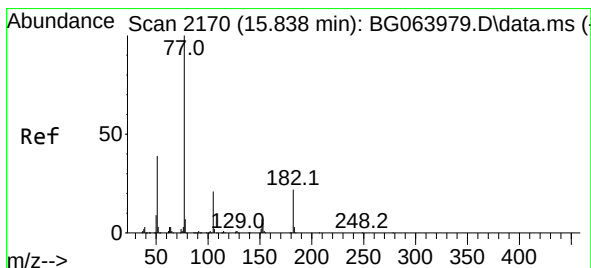
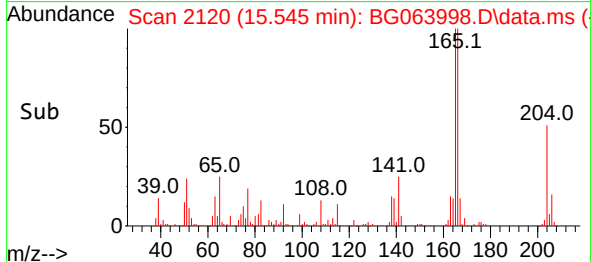
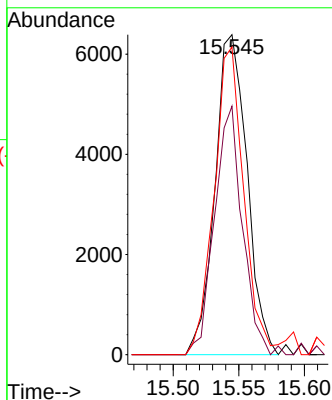
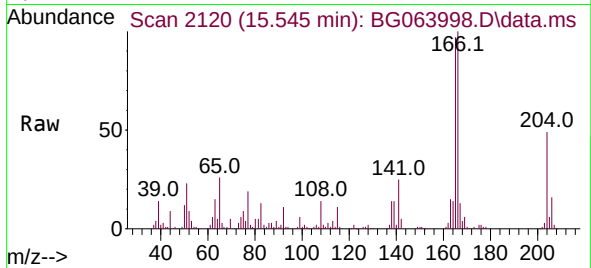
#62
4-Nitroaniline
Concen: 4.471 ng
RT: 15.545 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:138 Resp: 1085
Ion Ratio Lower Upper
138 100
92 77.7 40.3 80.3
108 96.1 69.3 109.3

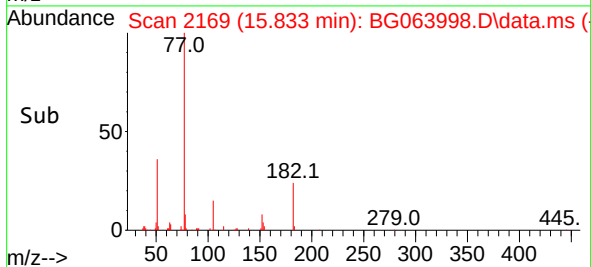
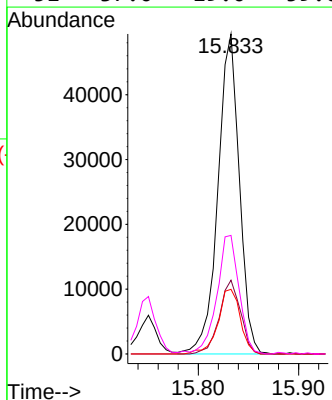
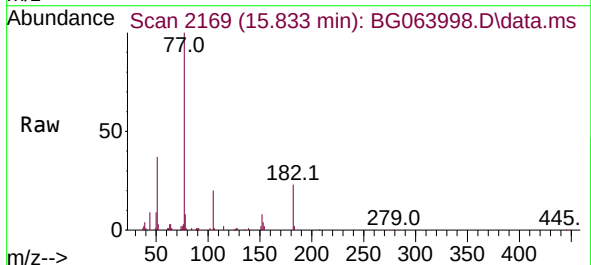
Manual Integrations
APPROVED

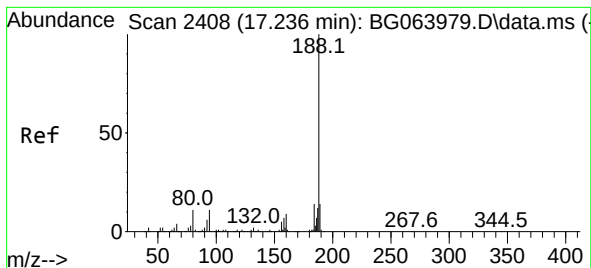
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#63
Azobenzene
Concen: 4.860 ng
RT: 15.833 min Scan# 2169
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

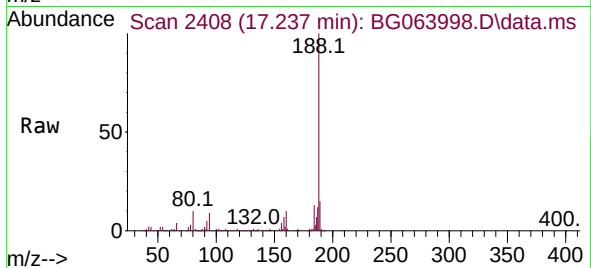
Tgt Ion: 77 Resp: 73230
Ion Ratio Lower Upper
77 100
182 23.1 2.3 42.3
105 20.2 1.0 41.0
51 37.0 19.0 59.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.237 min Scan# 2408
Delta R.T. 0.001 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

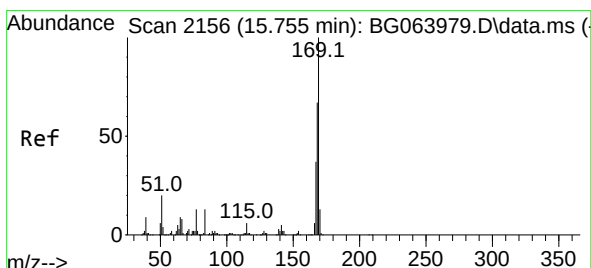
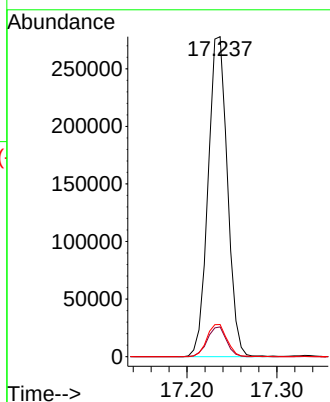
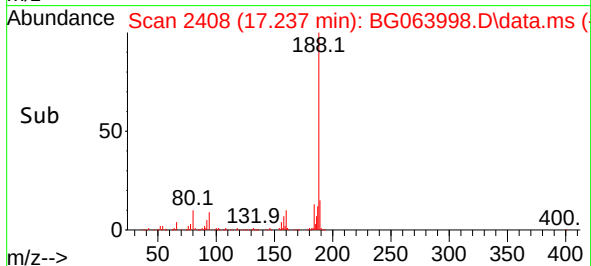
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:188 Resp: 41522
Ion Ratio Lower Upper
188 100
94 9.3 8.6 13.0
80 10.1 8.5 12.7

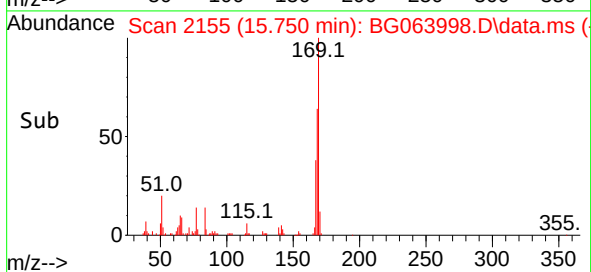
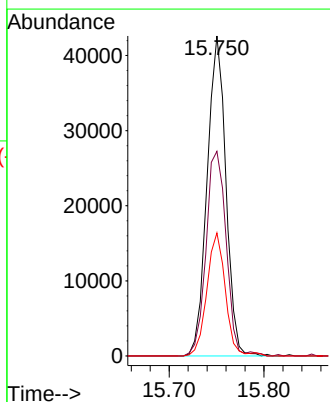
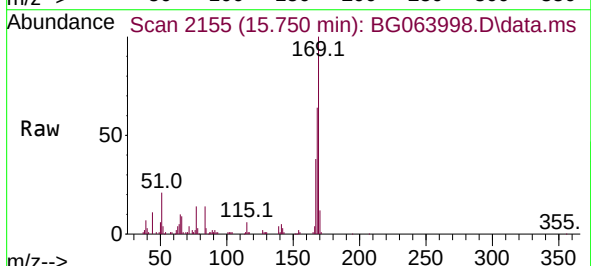
Manual Integrations
APPROVED

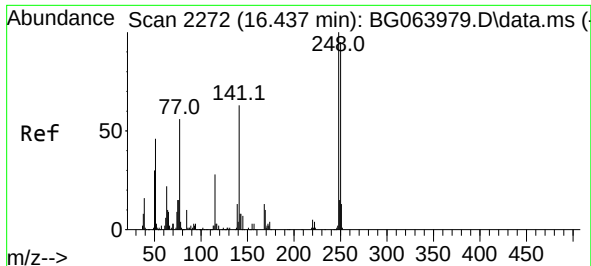
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 5.099 ng
RT: 15.750 min Scan# 2155
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

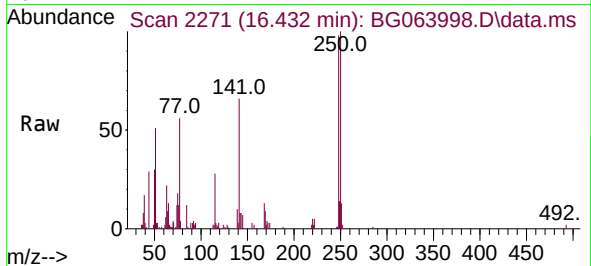
Tgt Ion:169 Resp: 58698
Ion Ratio Lower Upper
169 100
168 63.9 53.5 80.3
167 38.5 30.0 45.0





#67
4-Bromophenyl-phenylether
Concen: 5.171 ng
RT: 16.432 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

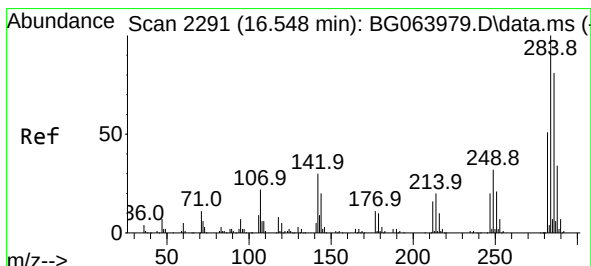
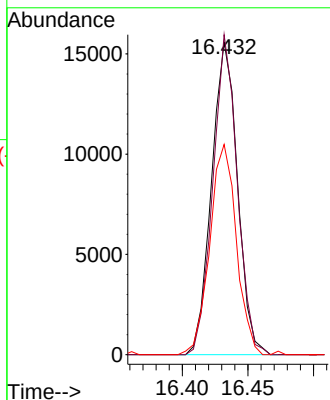
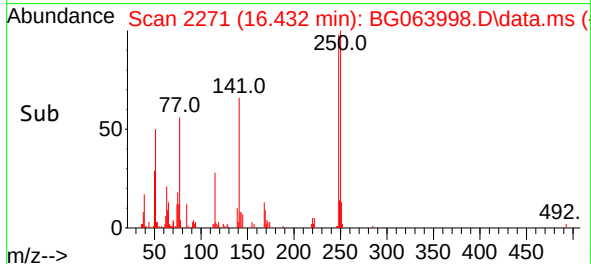
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



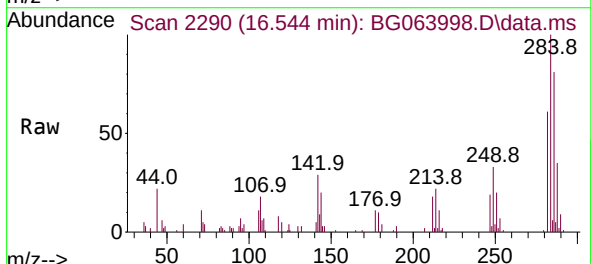
Tgt Ion:248 Resp: 2137
Ion Ratio Lower Upper
248 100
250 102.4 76.2 114.4
141 67.3 50.6 75.8

Manual Integrations
APPROVED

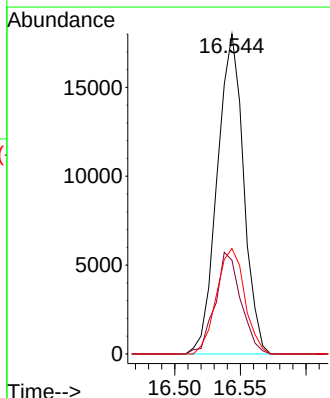
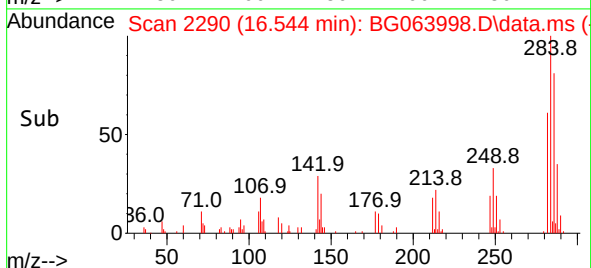
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

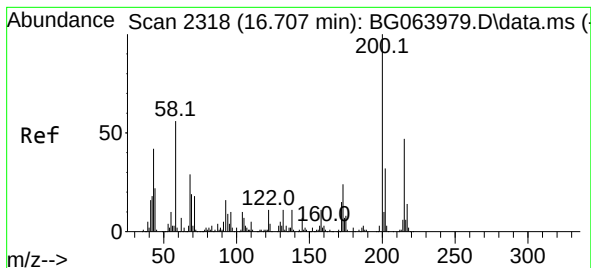


#68
Hexachlorobenzene
Concen: 5.169 ng
RT: 16.544 min Scan# 2290
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14



Tgt Ion:284 Resp: 25115
Ion Ratio Lower Upper
284 100
142 29.3 23.8 35.8
249 32.9 25.9 38.9





#69

Atrazine

Concen: 5.435 ng

RT: 16.696 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG063998.D

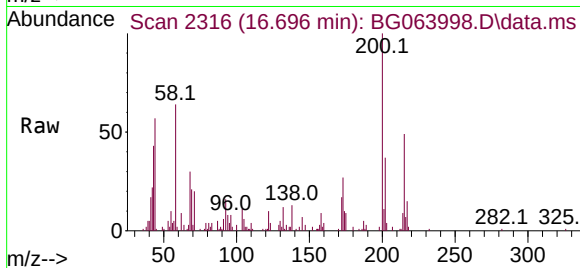
Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025



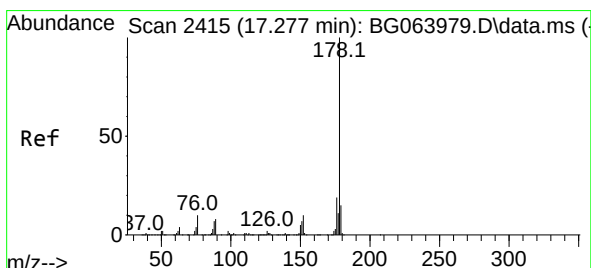
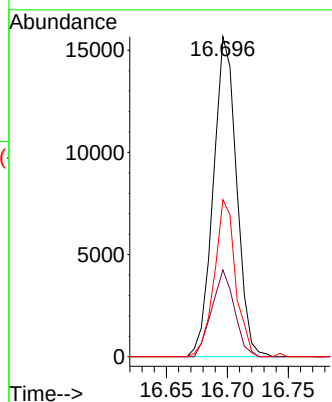
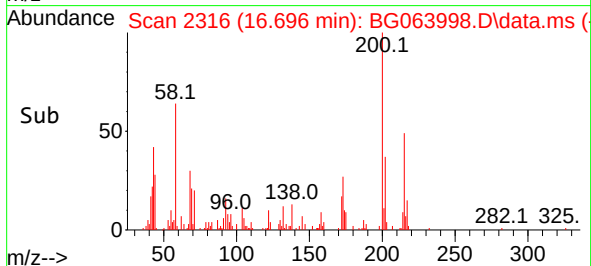
Tgt Ion:	200	Resp:	20824
Ion Ratio	Lower	Upper	
200	100		
173	27.1	3.8	43.8
215	49.1	26.6	66.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#71

Phenanthrene

Concen: 5.191 ng

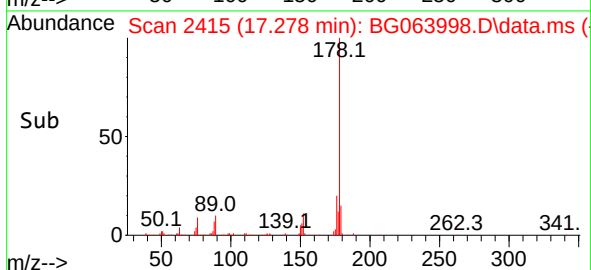
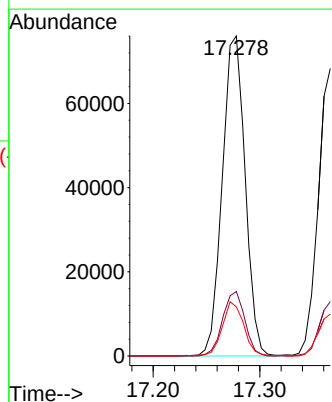
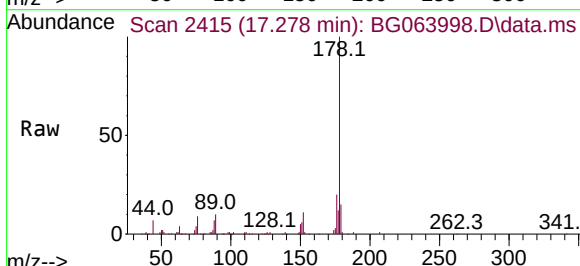
RT: 17.278 min Scan# 2415

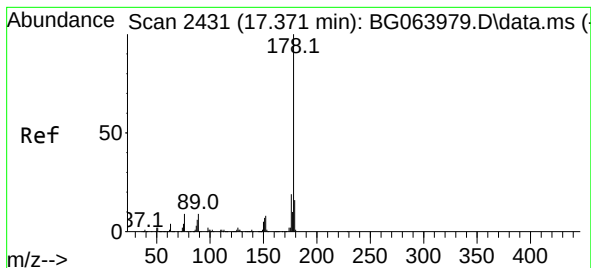
Delta R.T. 0.001 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Tgt Ion:	178	Resp:	113209
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.5	23.3
179	15.3	12.2	18.4





#72

Anthracene

Concen: 4.745 ng

RT: 17.366 min Scan# 2431

Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025

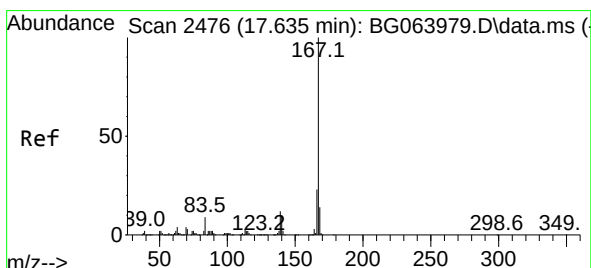
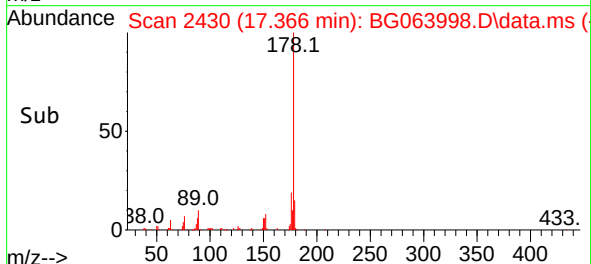
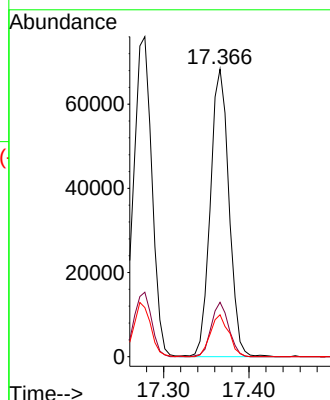
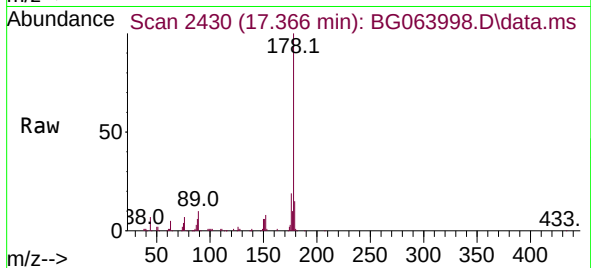
Tgt Ion:178	Resp: 10355
Ion Ratio	Lower Upper
178 100	
176 18.9	15.0 22.4
179 14.6	12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#73

Carbazole

Concen: 4.869 ng

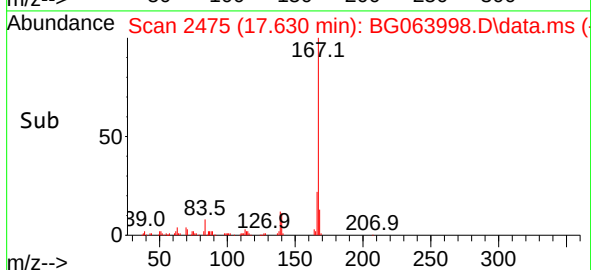
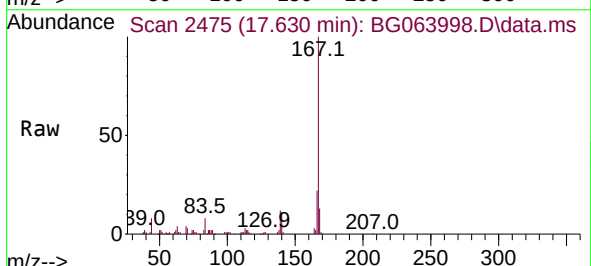
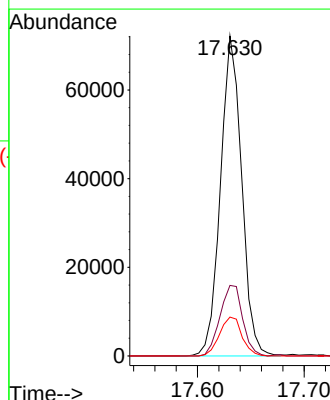
RT: 17.630 min Scan# 2475

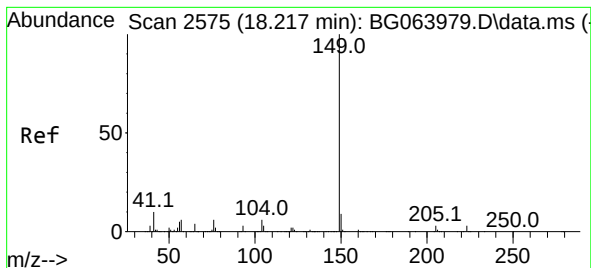
Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

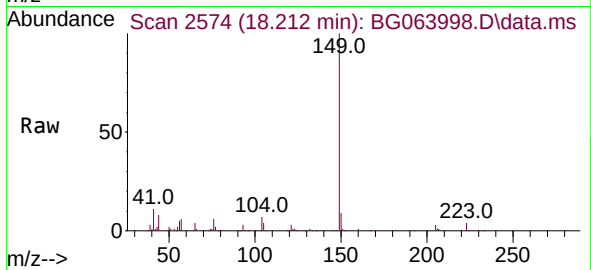
Tgt Ion:167	Resp: 99456
Ion Ratio	Lower Upper
167 100	
166 22.1	18.6 28.0
139 12.2	9.8 14.8





#74
Di-n-butylphthalate
Concen: 4.882 ng
RT: 18.212 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

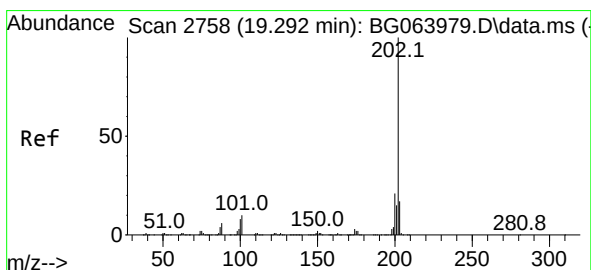
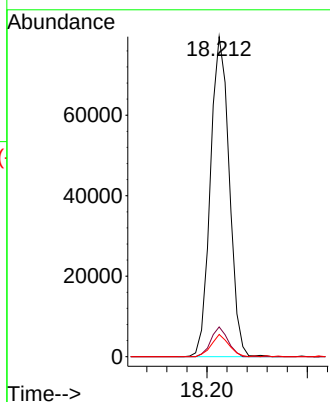
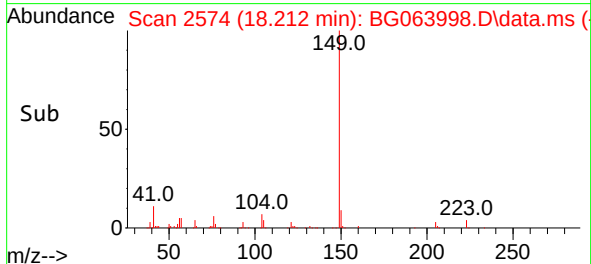
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



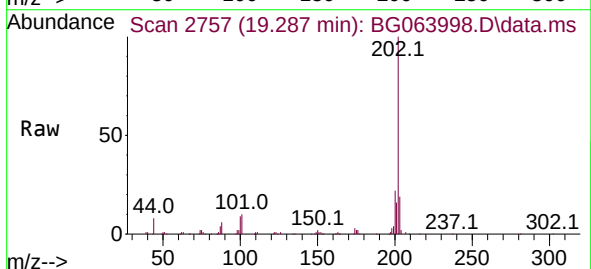
Tgt Ion:149 Resp: 103962
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 7.0 4.6 6.8

Manual Integrations
APPROVED

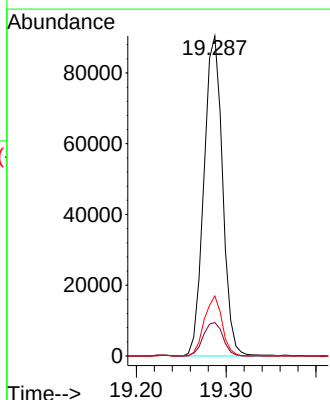
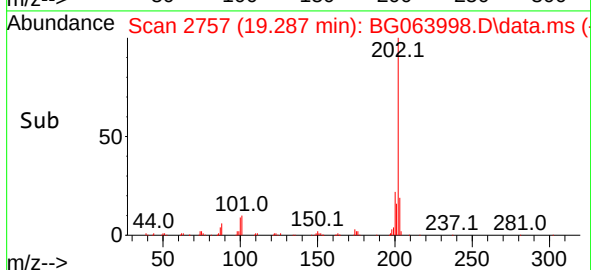
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

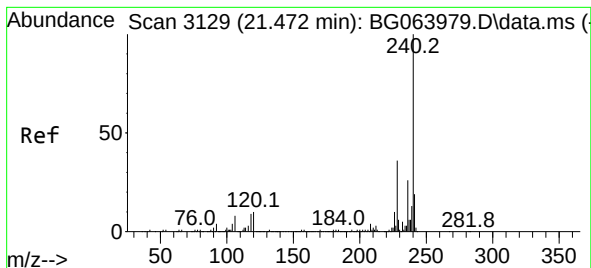


#75
Fluoranthene
Concen: 4.905 ng
RT: 19.287 min Scan# 2757
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14



Tgt Ion:202 Resp: 130254
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.4
203 18.7 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.467 min Scan# 3129

Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

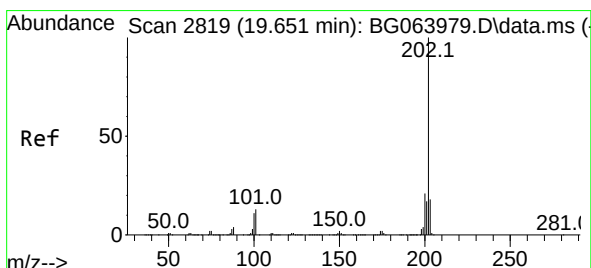
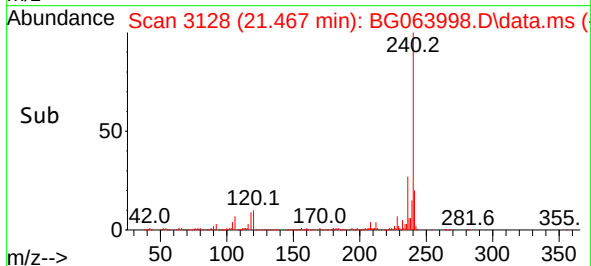
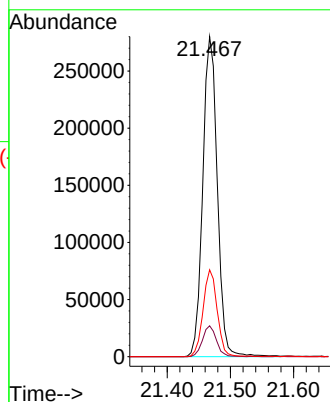
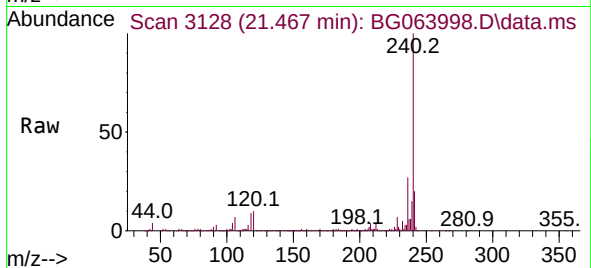
ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:240 Resp: 44705
 Ion Ratio Lower Upper
 240 100
 120 9.7 7.9 11.9
 236 27.1 21.0 31.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 5.510 ng

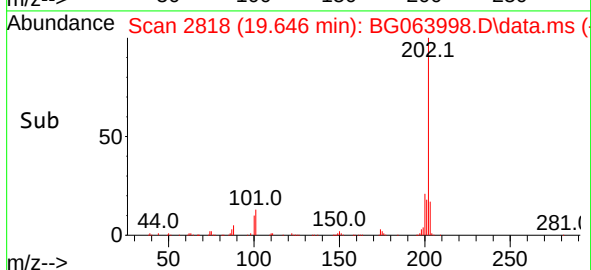
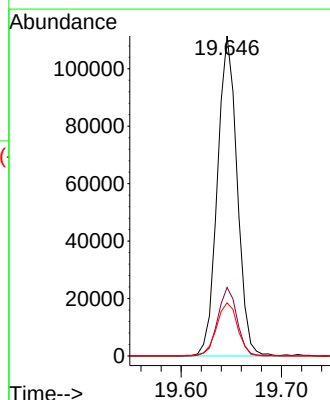
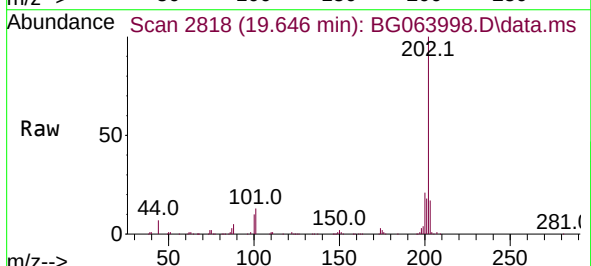
RT: 19.646 min Scan# 2818

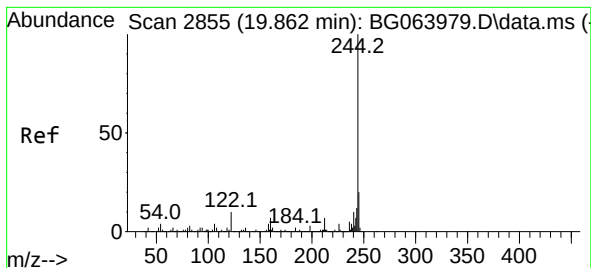
Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Tgt Ion:202 Resp: 152081
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.0 25.4
 203 16.6 14.5 21.7





#79

Terphenyl-d14

Concen: 71.782 ng

RT: 19.857 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG063998.D

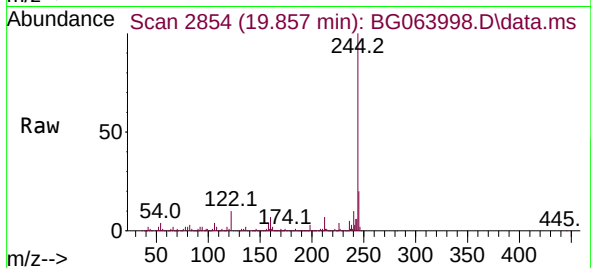
Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:244 Resp: 153657

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

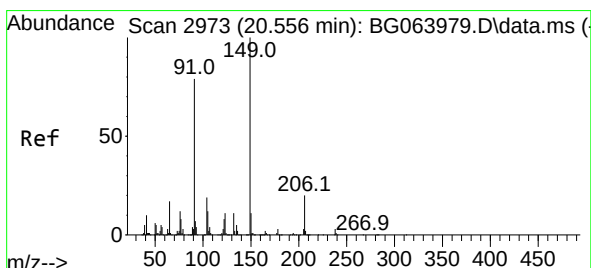
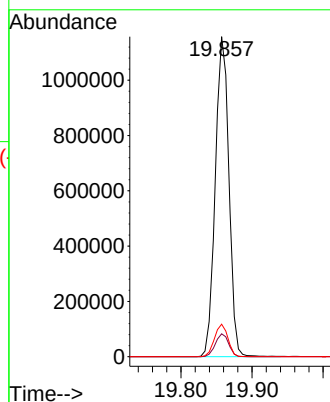
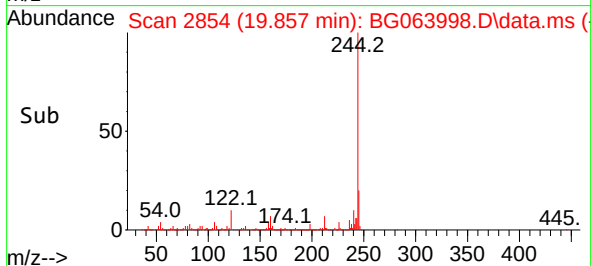
122 10.2 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#80

Butylbenzylphthalate

Concen: 4.916 ng

RT: 20.556 min Scan# 2973

Delta R.T. 0.000 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

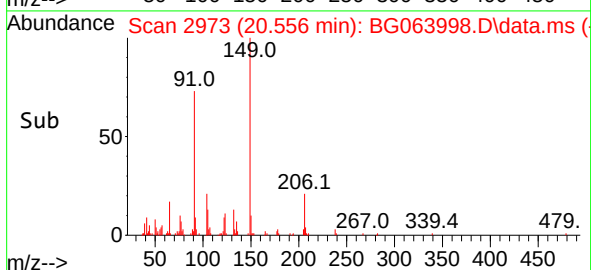
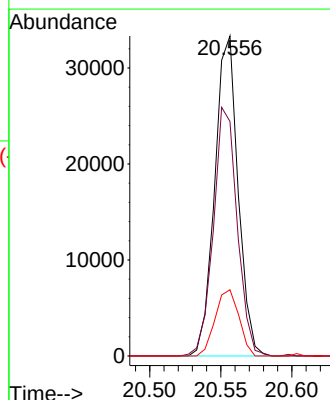
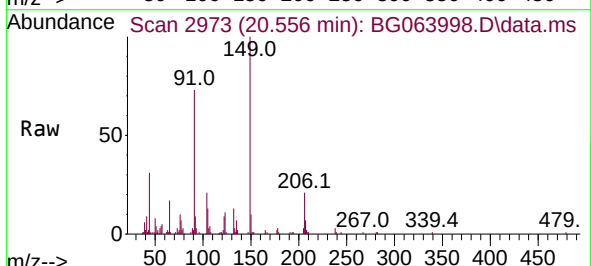
Tgt Ion:149 Resp: 38045

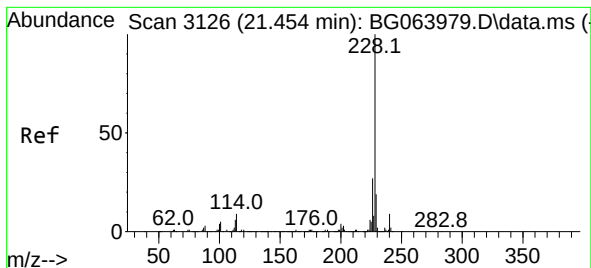
Ion Ratio Lower Upper

149 100

91 73.3 63.0 94.6

206 20.7 15.8 23.6





#81

Benzo(a)anthracene

Concen: 5.288 ng

RT: 21.450 min Scan# 3126

Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:228 Resp: 15008

Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.6

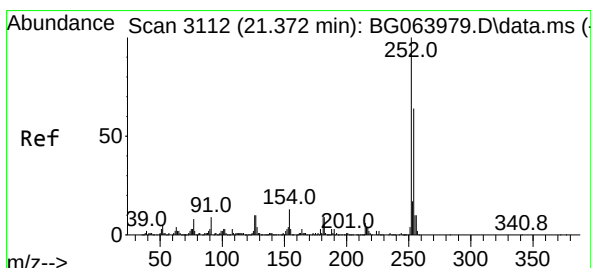
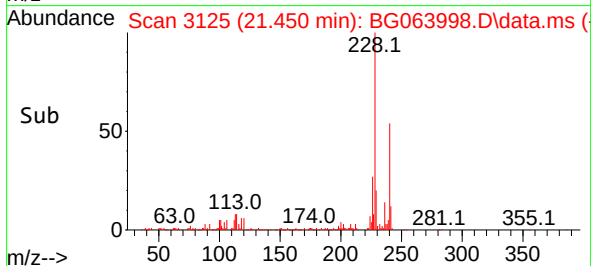
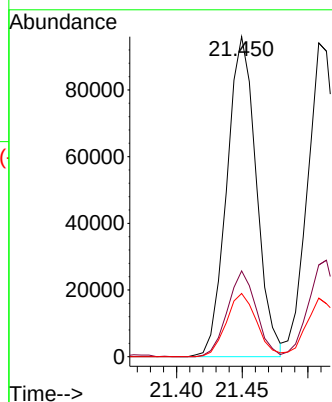
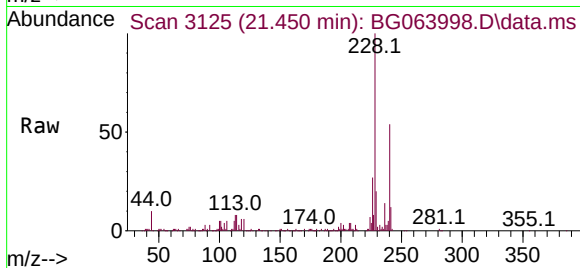
229 19.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#82

3,3'-Dichlorobenzidine

Concen: 5.016 ng

RT: 21.373 min Scan# 3112

Delta R.T. 0.001 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

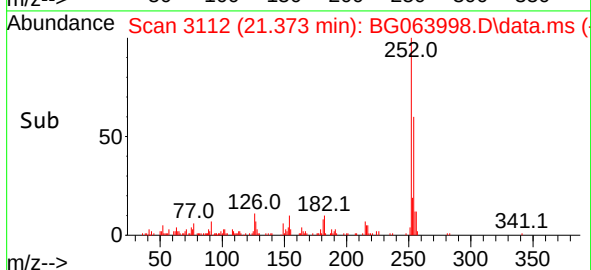
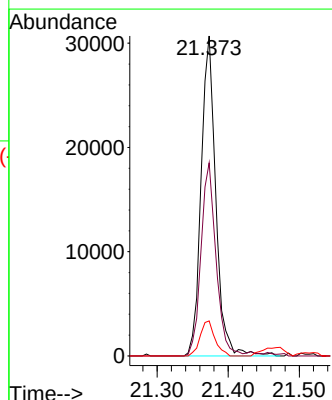
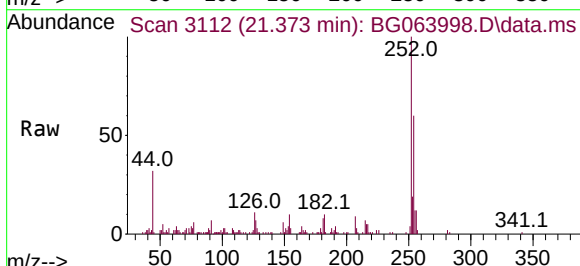
Tgt Ion:252 Resp: 44338

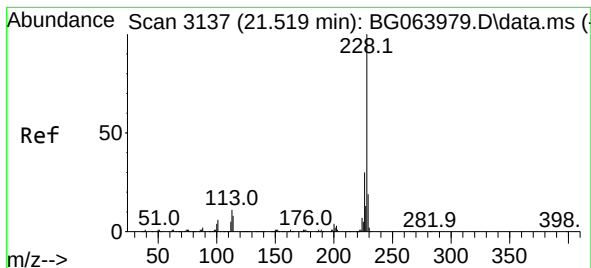
Ion Ratio Lower Upper

252 100

254 60.4 50.8 76.2

126 10.9 8.2 12.2





#83

Chrysene

Concen: 5.228 ng

RT: 21.508 min Scan# 3115

Delta R.T. -0.011 min

Lab File: BG063998.D

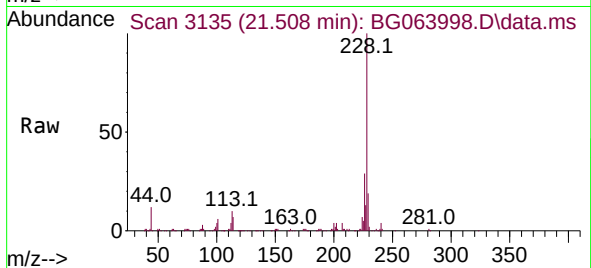
Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:228 Resp: 147662

Ion Ratio Lower Upper

228 100

226 29.2 24.2 36.2

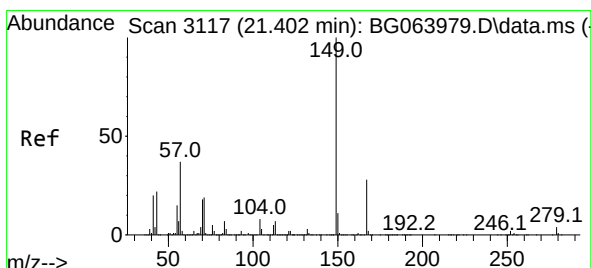
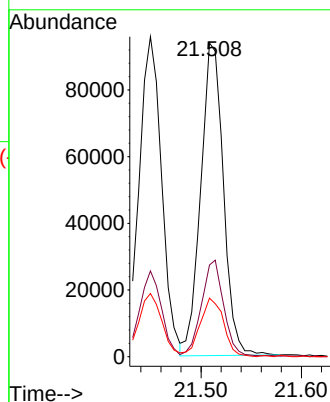
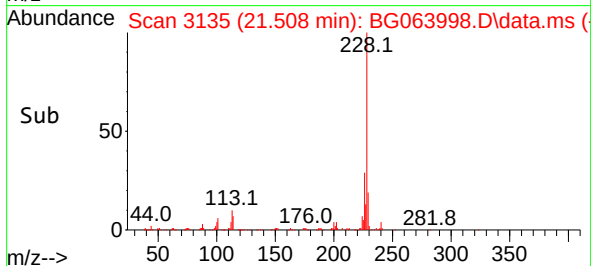
229 18.7 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.089 ng

RT: 21.397 min Scan# 3116

Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

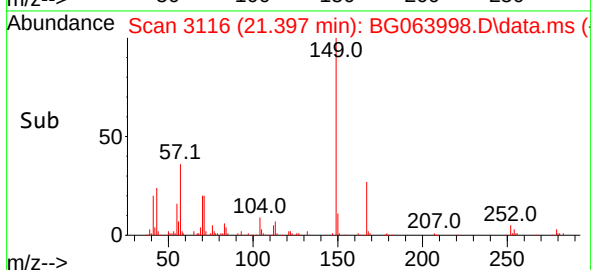
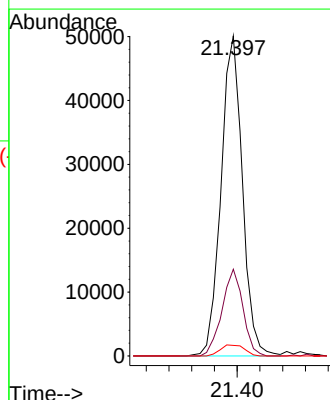
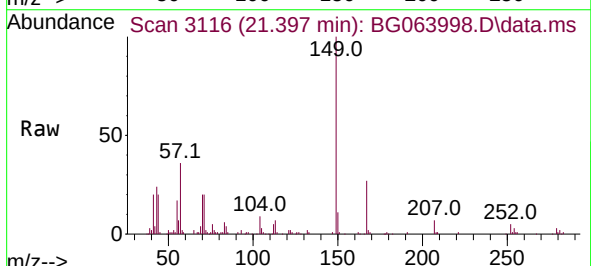
Tgt Ion:149 Resp: 65447

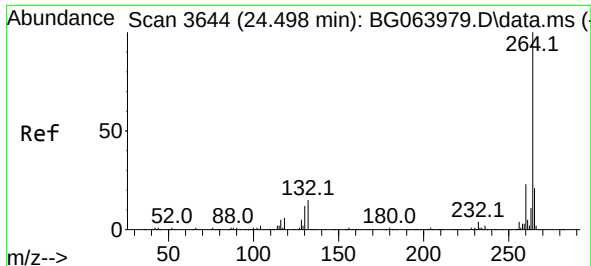
Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

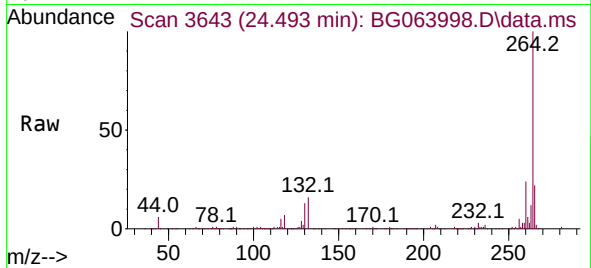
279 3.3 3.0 4.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.493 min Scan# 30
Delta R.T. -0.005 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

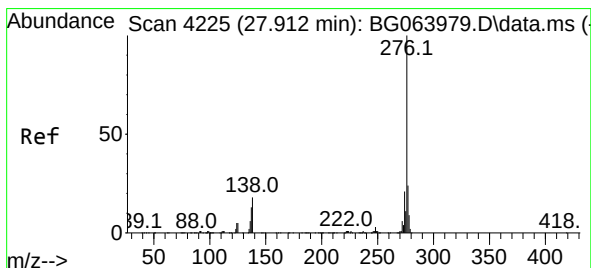
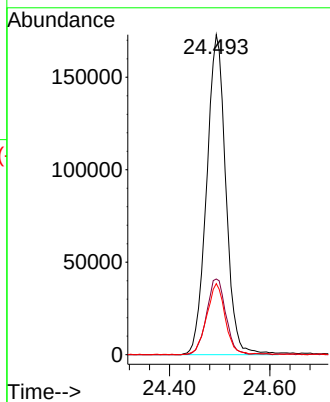
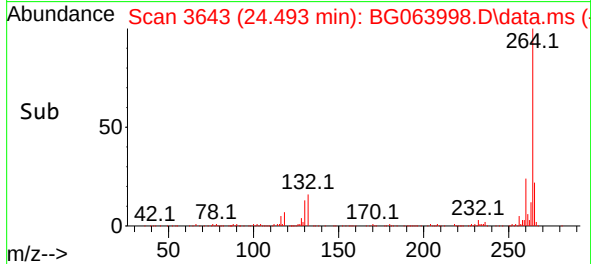
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:264 Resp: 459000
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.2 16.6 24.8

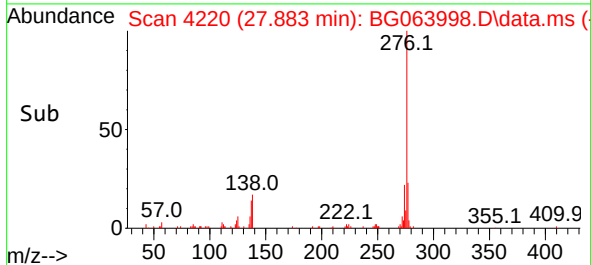
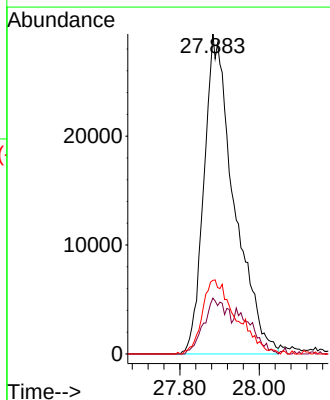
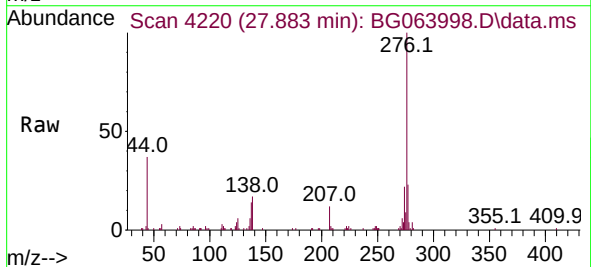
Manual Integrations
APPROVED

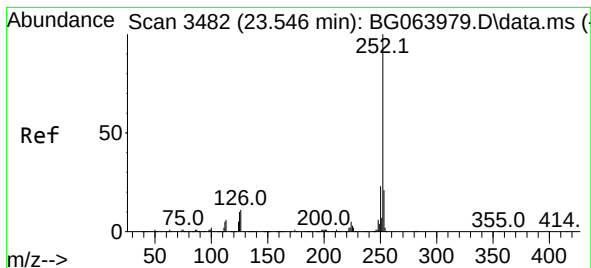
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.224 ng
RT: 27.883 min Scan# 4220
Delta R.T. -0.028 min
Lab File: BG063998.D
Acq: 5 Feb 2025 12:14

Tgt Ion:276 Resp: 154691
Ion Ratio Lower Upper
276 100
138 13.8 10.7 16.1
277 25.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.028 ng

RT: 23.541 min Scan# 3482

Delta R.T. -0.005 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025

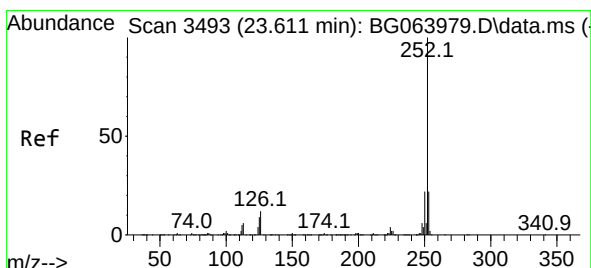
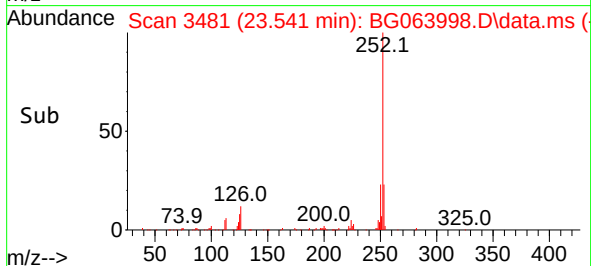
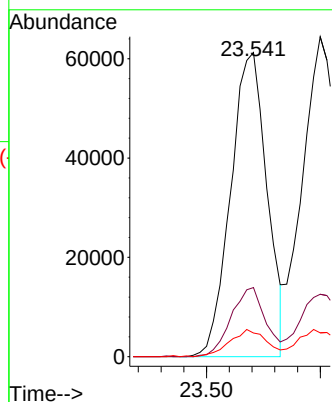
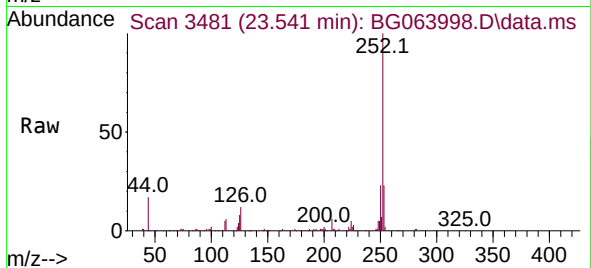
Tgt Ion:252 Resp: 135908
 Ion Ratio Lower Upper
 252 100
 253 22.7 16.9 25.3
 125 7.8 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#89

Benzo(k)fluoranthene

Concen: 5.481 ng m

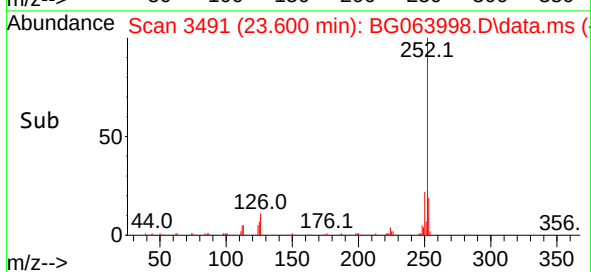
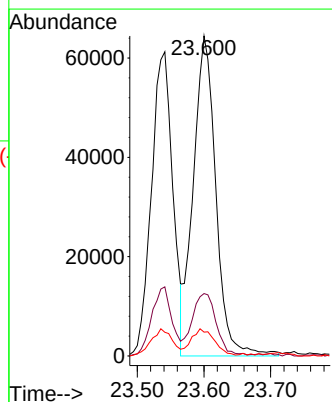
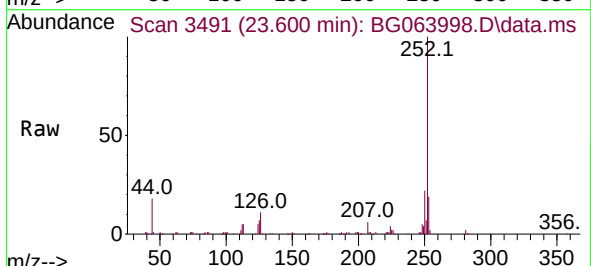
RT: 23.600 min Scan# 3491

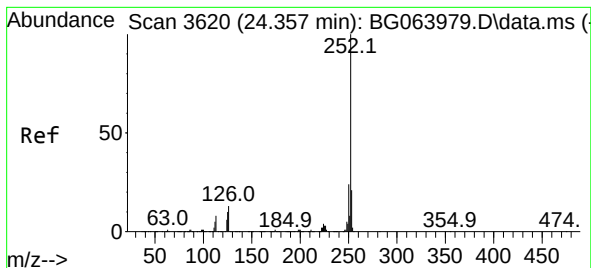
Delta R.T. -0.011 min

Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Tgt Ion:252 Resp: 152112
 Ion Ratio Lower Upper
 252 100
 253 19.5 17.7 26.5
 125 7.5 7.5 11.3





#90

Benzo(a)pyrene

Concen: 5.234 ng

RT: 24.346 min Scan# 30

Delta R.T. -0.011 min

Lab File: BG063998.D

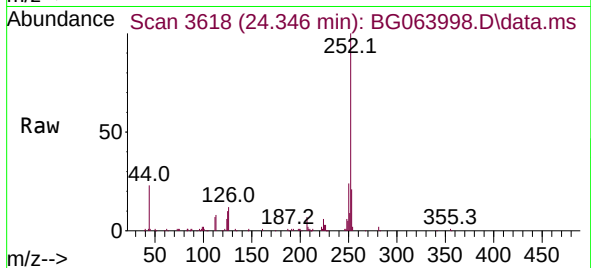
Acq: 5 Feb 2025 12:14

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:252 Resp: 126262

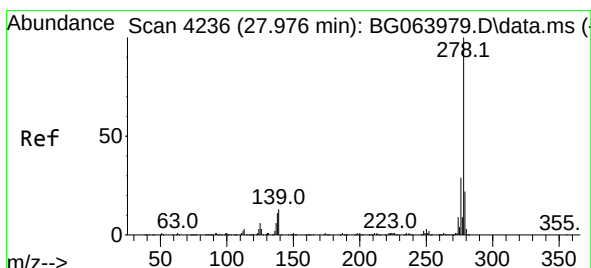
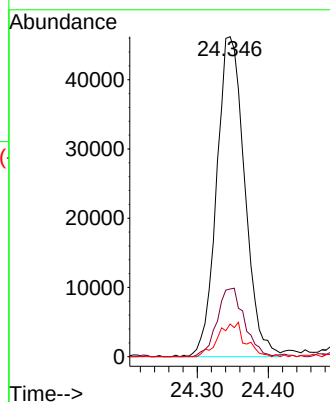
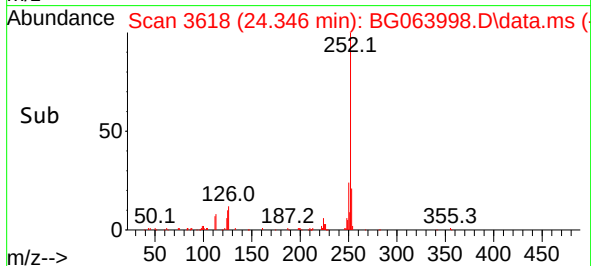
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	10.2	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#91

Dibenzo(a,h)anthracene

Concen: 5.159 ng

RT: 27.960 min Scan# 4233

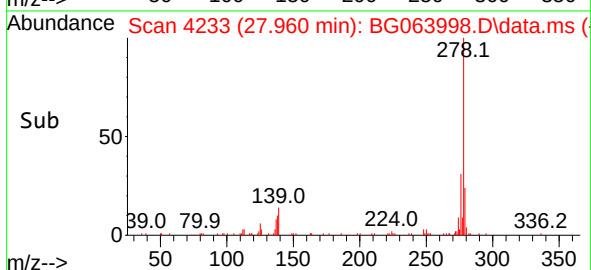
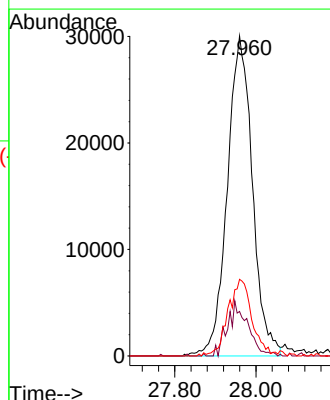
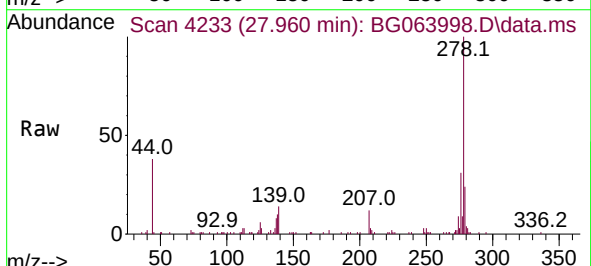
Delta R.T. -0.017 min

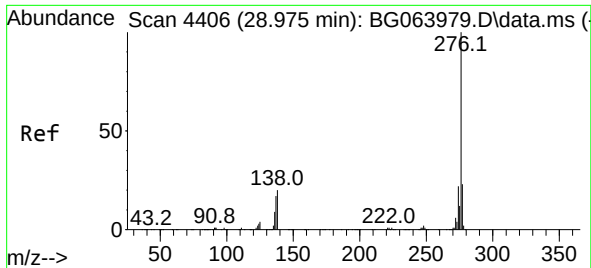
Lab File: BG063998.D

Acq: 5 Feb 2025 12:14

Tgt Ion:278 Resp: 129004

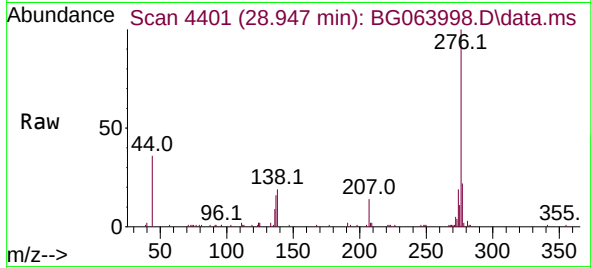
Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.8	16.2
279	23.9	17.8	26.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.981 ng
 RT: 28.947 min Scan# 4401
 Delta R.T. -0.028 min
 Lab File: BG063998.D
 Acq: 5 Feb 2025 12:14

Instrument : BNA_G
 ClientSampleId : LOQ-SOIL-02-QT1-2025



Tgt Ion:276 Resp: 12574
 Ion Ratio Lower Upper
 276 100
 277 21.8 18.2 27.4
 138 18.8 15.8 23.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

