

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054905.D
 Acq On : 9 Sep 2022 20:32
 Operator : CG/JU
 Sample : N4545-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/12/2022
 Supervised By : Jagrut Upadhyay 09/12/2022

Quant Time: Sep 10 02:02:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.143	152	37579	20.000	ng	0.00
21) Naphthalene-d8	10.969	136	163638	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	118689	20.000	ng	0.00
64) Phenanthrene-d10	17.526	188	256552	20.000	ng	0.00
76) Chrysene-d12	21.821	240	242435	20.000	ng	0.00
86) Perylene-d12	25.194	264	261562	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	301884	139.889	ng	0.00
7) Phenol-d6	7.303	99	411606	139.467	ng	0.00
23) Nitrobenzene-d5	9.318	82	238845	76.623	ng	0.00
42) 2,4,6-Tribromophenol	16.269	330	202165	136.313	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	625467	79.206	ng	0.00
79) Terphenyl-d14	20.123	244	970805	79.343	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.513	88	34225	33.213	ng	97
3) Pyridine	3.924	79	94506	32.880	ng	92
4) n-Nitrosodimethylamine	3.842	42	46029	37.046	ng	90
6) Aniline	7.461	93	155897	44.459	ng	94
8) 2-Chlorophenol	7.708	128	129612	54.972	ng	95
9) Benzaldehyde	7.273	77	85286m	44.091	ng	
10) Phenol	7.326	94	160946	53.028	ng	97
11) bis(2-Chloroethyl)ether	7.555	93	113996	46.701	ng	94
12) 1,3-Dichlorobenzene	8.031	146	133968	49.100	ng	98
13) 1,4-Dichlorobenzene	8.178	146	135050	49.070	ng	97
14) 1,2-Dichlorobenzene	8.501	146	132901	50.927	ng	99
15) Benzyl Alcohol	8.384	79	109241m	51.236	ng	
16) 2,2'-oxybis(1-Chloropr...	8.666	45	154732	40.511	ng	96
17) 2-Methylphenol	8.589	107	112995	54.073	ng	99
18) Hexachloroethane	9.230	117	47421	47.516	ng	93
19) n-Nitroso-di-n-propyla...	8.948	70	93445	46.043	ng	# 94
20) 3+4-Methylphenols	8.919	107	156242	53.919	ng	97
22) Acetophenone	8.971	105	188030	45.929	ng	# 95
24) Nitrobenzene	9.359	77	136140	43.331	ng	97
25) Isophorone	9.882	82	274094	47.159	ng	98
26) 2-Nitrophenol	10.076	139	74235	53.490	ng	99
27) 2,4-Dimethylphenol	10.129	122	128570	58.470	ng	95
28) bis(2-Chloroethoxy)met...	10.358	93	165518	49.977	ng	98
29) 2,4-Dichlorophenol	10.617	162	133975	53.567	ng	99
30) 1,2,4-Trichlorobenzene	10.828	180	137448	48.089	ng	99
31) Naphthalene	11.022	128	409169	46.605	ng	99
32) Benzoic acid	10.335	122	22199m	19.645	ng	
33) 4-Chloroaniline	11.128	127	122603	34.254	ng	96
34) Hexachlorobutadiene	11.292	225	90503	49.421	ng	98
35) Caprolactam	11.915	113	47555m	53.894	ng	
36) 4-Chloro-3-methylphenol	12.250	107	145644	53.251	ng	98
37) 2-Methylnaphthalene	12.620	142	303541	49.329	ng	99
38) 1-Methylnaphthalene	12.837	142	288980	48.269	ng	98
40) 1,2,4,5-Tetrachloroben...	12.978	216	177643	49.651	ng	98
41) Hexachlorocyclopentadiene	12.949	237	93641	49.352	ng	98
43) 2,4,6-Trichlorophenol	13.219	196	112326	47.300	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
 Data File : BG054905.D
 Acq On : 9 Sep 2022 20:32
 Operator : CG/JU
 Sample : N4545-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MSD

Quant Time: Sep 10 02:02:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

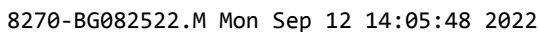
Reviewed By : Christian Giraldo 09/12/2022
 Supervised By : Jagrut Upadhyay 09/12/2022

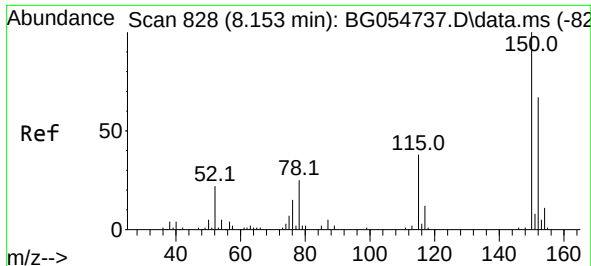
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.296	196	123030	46.131	ng	99
46) 1,1'-Biphenyl	13.613	154	416739	47.282	ng	99
47) 2-Chloronaphthalene	13.666	162	309379	46.219	ng	98
48) 2-Nitroaniline	13.866	65	92686	44.182	ng	90
49) Acenaphthylene	14.506	152	512612	46.407	ng	100
50) Dimethylphthalate	14.230	163	411944	45.051	ng	100
51) 2,6-Dinitrotoluene	14.353	165	91408	48.874	ng	# 83
52) Acenaphthene	14.841	154	342158m	48.223	ng	
53) 3-Nitroaniline	14.688	138	78360	37.427	ng	91
54) 2,4-Dinitrophenol	14.900	184	57410	56.535	ng	98
55) Dibenzofuran	15.176	168	489513	46.951	ng	99
56) 4-Nitrophenol	15.006	139	131608	81.228	ng	89
57) 2,4-Dinitrotoluene	15.141	165	128729	49.761	ng	# 83
58) Fluorene	15.822	166	411036	46.797	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.405	232	100998	42.011	ng	99
60) Diethylphthalate	15.581	149	410611	44.970	ng	98
61) 4-Chlorophenyl-phenyle...	15.810	204	211891	48.903	ng	97
62) 4-Nitroaniline	15.852	138	93282	43.639	ng	96
63) Azobenzene	16.104	77	358081	41.265	ng	94
65) 4,6-Dinitro-2-methylph...	15.904	198	53944	41.307	ng	96
66) n-Nitrosodiphenylamine	16.028	169	363687	49.157	ng	99
67) 4-Bromophenyl-phenylether	16.704	248	147758	52.457	ng	96
68) Hexachlorobenzene	16.827	284	165452	52.251	ng	95
69) Atrazine	16.968	200	140777	53.935	ng	100
70) Pentachlorophenol	17.179	266	118023	68.600	ng	100
71) Phenanthrene	17.573	178	675799	49.449	ng	100
72) Anthracene	17.661	178	647725	48.748	ng	99
73) Carbazole	17.932	167	581568	47.506	ng	100
74) Di-n-butylphthalate	18.466	149	693320	44.756	ng	99
75) Fluoranthene	19.577	202	825262	49.638	ng	99
77) Benzidine	19.753	184	460851	76.747	ng	100
78) Pyrene	19.941	202	820523	48.538	ng	99
80) Butylbenzylphthalate	20.805	149	318938	45.231	ng	94
81) Benzo(a)anthracene	21.798	228	783512	47.665	ng	99
82) 3,3'-Dichlorobenzidine	21.709	252	205325	35.627	ng	99
83) Chrysene	21.868	228	736568	46.865	ng	99
84) Bis(2-ethylhexyl)phtha...	21.674	149	498213	49.041	ng	98
85) Di-n-octyl phthalate	22.932	149	765732	44.446	ng	# 93
87) Indeno(1,2,3-cd)pyrene	29.101	276	940721	47.375	ng	# 94
88) Benzo(b)fluoranthene	24.118	252	831921	50.702	ng	99
89) Benzo(k)fluoranthene	24.189	252	788384	47.743	ng	98
90) Benzo(a)pyrene	25.041	252	736668	52.550	ng	99
91) Dibenzo(a,h)anthracene	29.160	278	801266	49.530	ng	98
92) Benzo(g,h,i)perylene	30.329	276	811063	49.628	ng	97

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

Manual Integrations

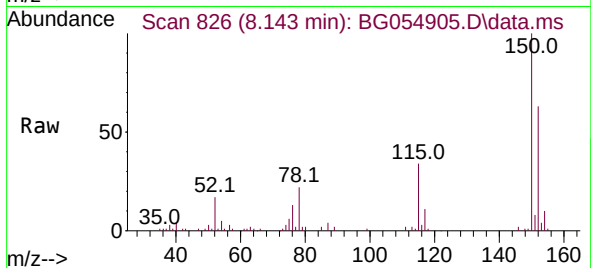
Quant Time: Sep 10 02:02:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 10 01:53:42 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.143 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

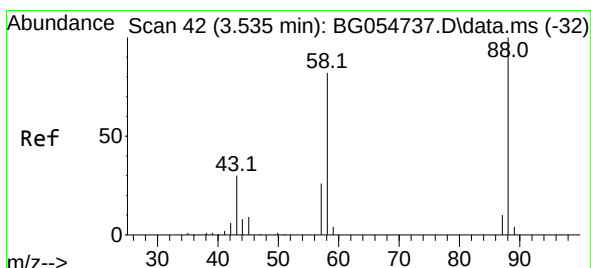
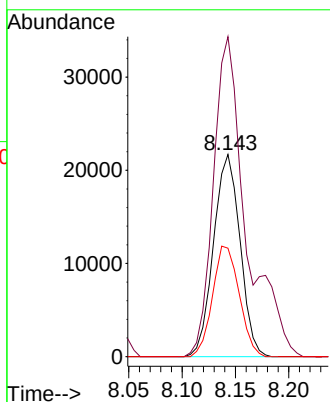
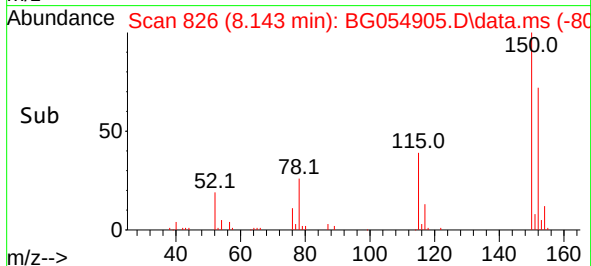
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



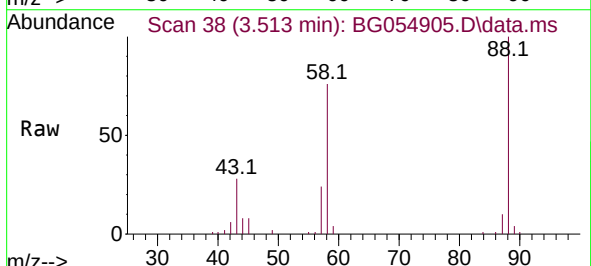
Tgt Ion:152 Resp: 37579
Ion Ratio Lower Upper
152 100
150 158.3 125.2 187.8
115 53.6 47.9 71.9

Manual Integrations
APPROVED

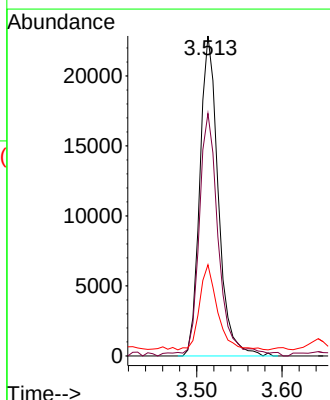
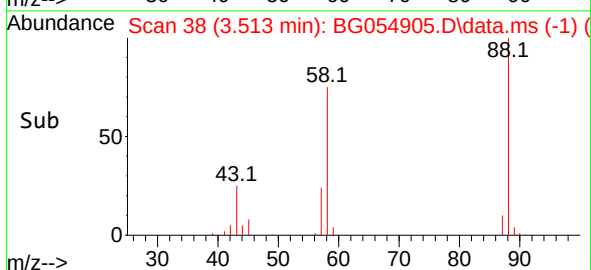
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

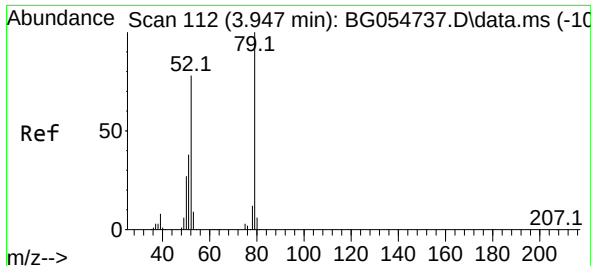


#2
1,4-Dioxane
Concen: 33.213 ng
RT: 3.513 min Scan# 38
Delta R.T. -0.009 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



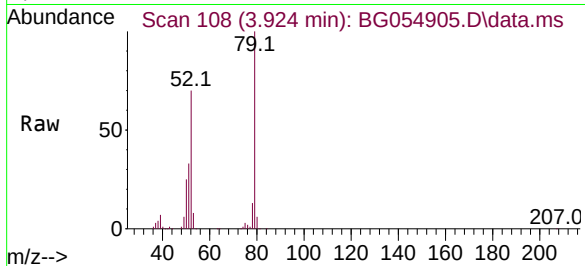
Tgt Ion: 88 Resp: 34225
Ion Ratio Lower Upper
88 100
58 80.1 65.9 98.9
43 25.9 22.7 34.1





#3
Pyridine
Concen: 32.880 ng
RT: 3.924 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

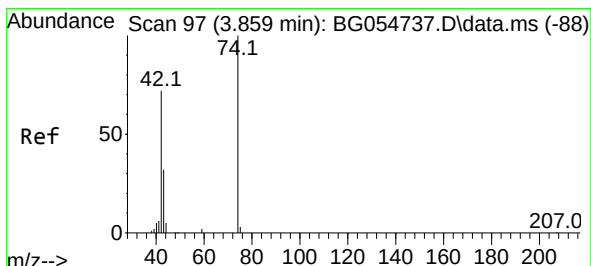
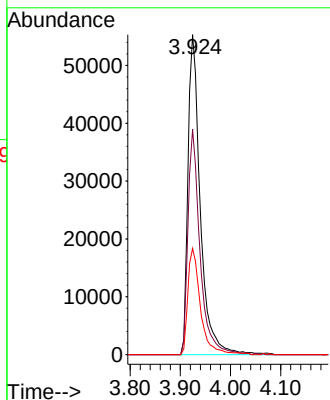
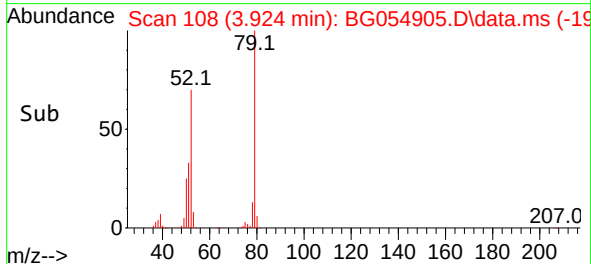
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion: 79 Resp: 94506
Ion Ratio Lower Upper
79 100
52 70.4 61.4 92.0
51 33.2 31.4 47.0

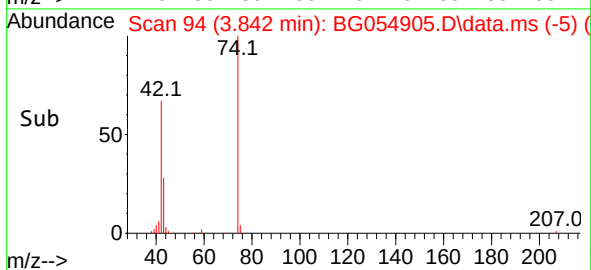
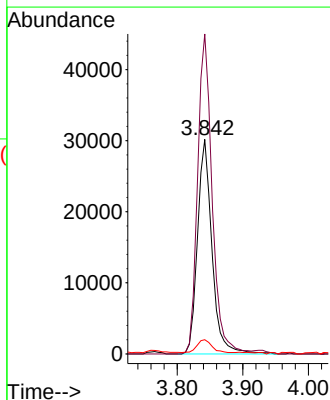
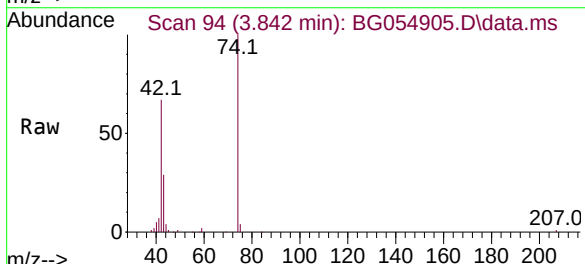
Manual Integrations
APPROVED

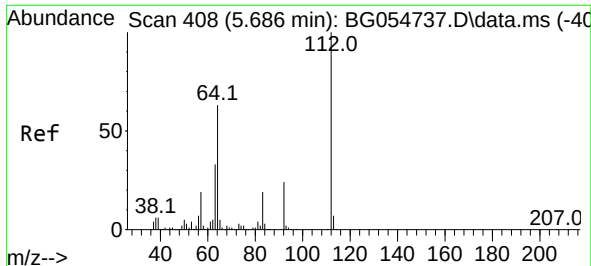
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#4
n-Nitrosodimethylamine
Concen: 37.046 ng
RT: 3.842 min Scan# 94
Delta R.T. -0.009 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

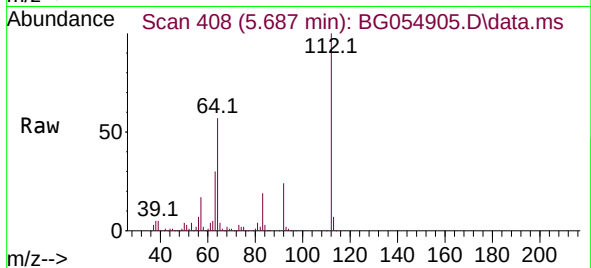
Tgt Ion: 42 Resp: 46029
Ion Ratio Lower Upper
42 100
74 149.2 109.6 164.4
44 6.6 5.5 8.3





#5
2-Fluorophenol
Concen: 139.889 ng
RT: 5.687 min Scan# 408
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

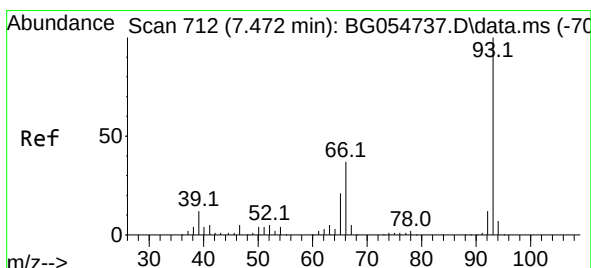
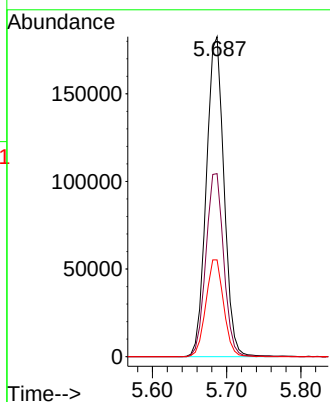
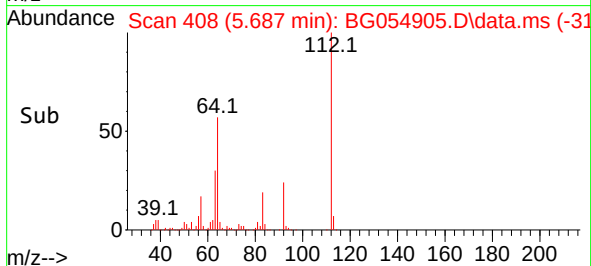
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion: 112 Resp: 301884
Ion Ratio Lower Upper
112 100
64 57.2 49.3 73.9
63 30.2 26.3 39.5

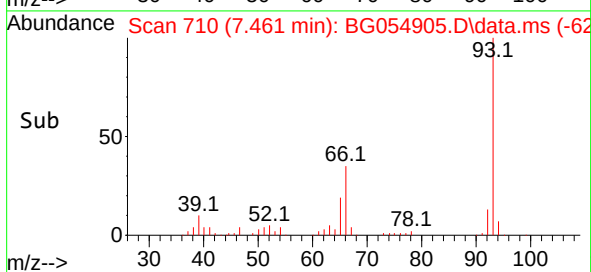
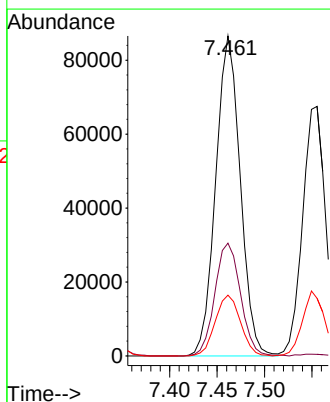
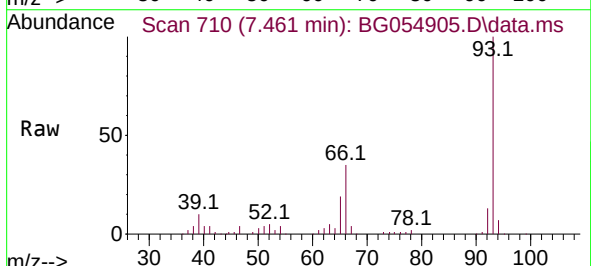
Manual Integrations
APPROVED

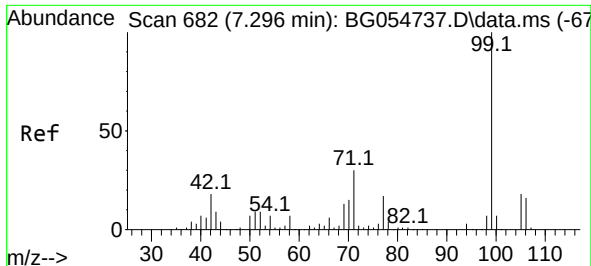
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#6
Aniline
Concen: 44.459 ng
RT: 7.461 min Scan# 710
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

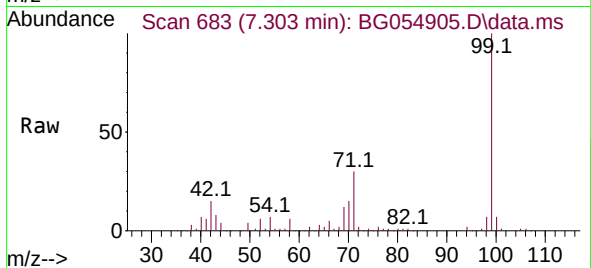
Tgt Ion: 93 Resp: 155897
Ion Ratio Lower Upper
93 100
66 35.2 31.8 47.8
65 19.0 16.6 25.0





#7
Phenol-d6
Concen: 139.467 ng
RT: 7.303 min Scan# 681
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

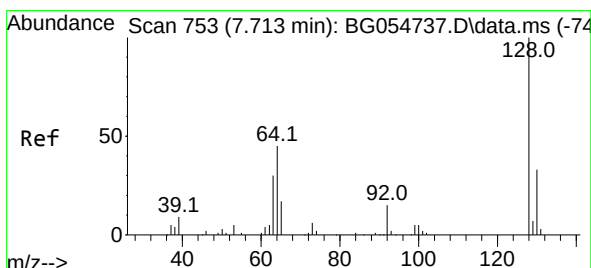
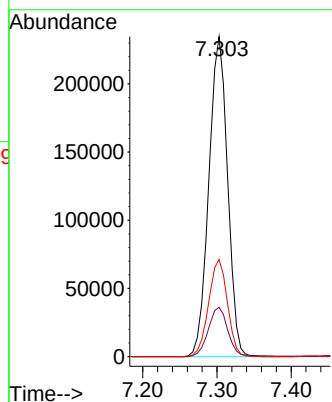
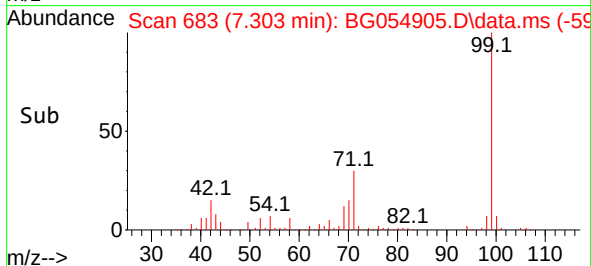
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



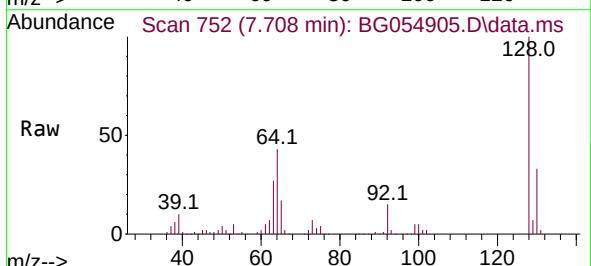
Tgt Ion: 99 Resp: 411606
Ion Ratio Lower Upper
99 100
42 15.4 14.6 22.0
71 30.3 24.6 37.0

Manual Integrations
APPROVED

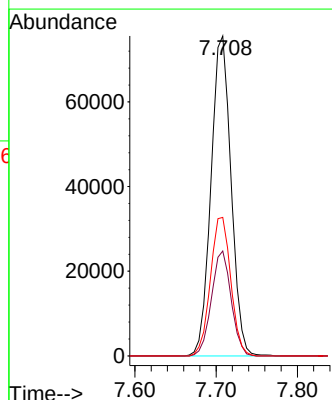
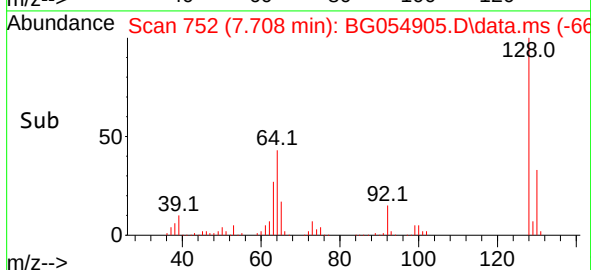
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

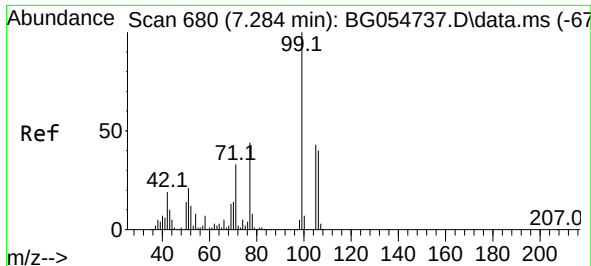


#8
2-Chlorophenol
Concen: 54.972 ng
RT: 7.708 min Scan# 752
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



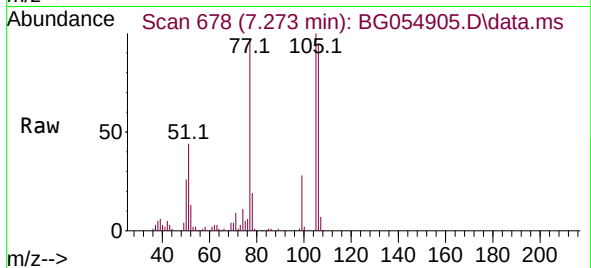
Tgt Ion:128 Resp: 129612
Ion Ratio Lower Upper
128 100
130 32.8 12.5 52.5
64 43.3 28.6 68.6





#9
Benzaldehyde
Concen: 44.091 ng m
RT: 7.273 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

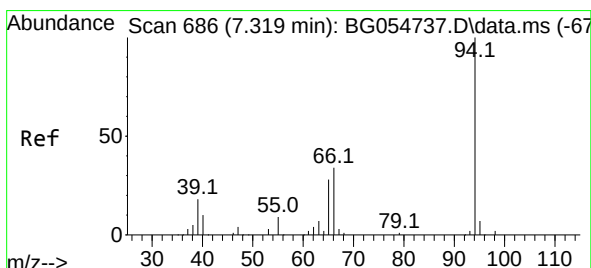
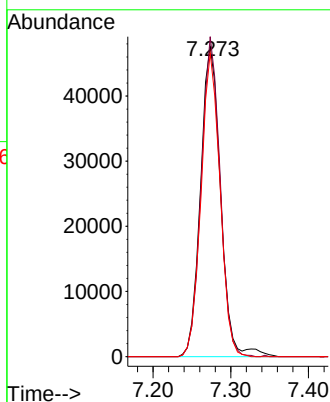
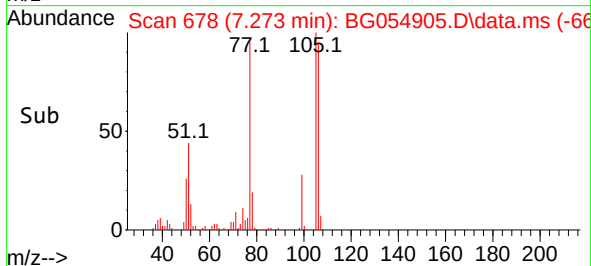
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion: 77 Resp: 85286
Ion Ratio Lower Upper
77 100
105 103.2 75.3 115.3
106 97.9 70.2 110.2

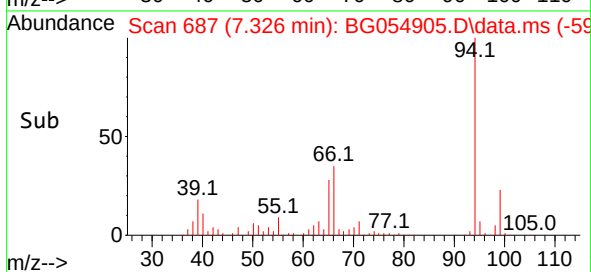
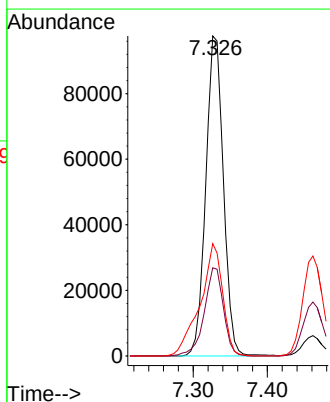
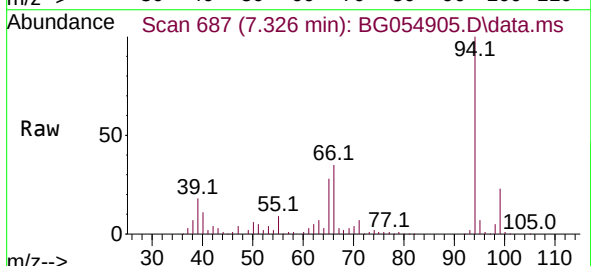
Manual Integrations
APPROVED

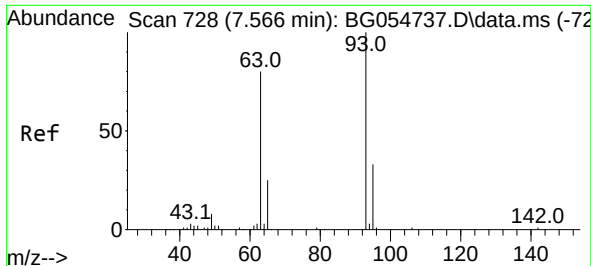
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#10
Phenol
Concen: 53.028 ng
RT: 7.326 min Scan# 687
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

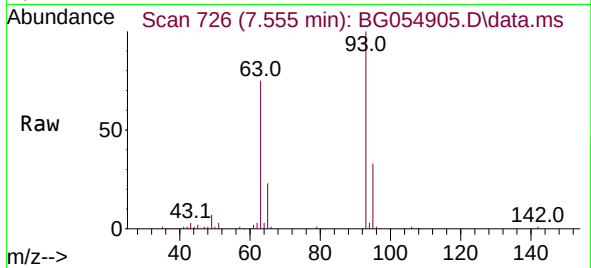
Tgt Ion: 94 Resp: 160946
Ion Ratio Lower Upper
94 100
65 27.5 9.9 49.9
66 35.1 16.4 56.4





#11
bis(2-Chloroethyl)ether
Concen: 46.701 ng
RT: 7.555 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

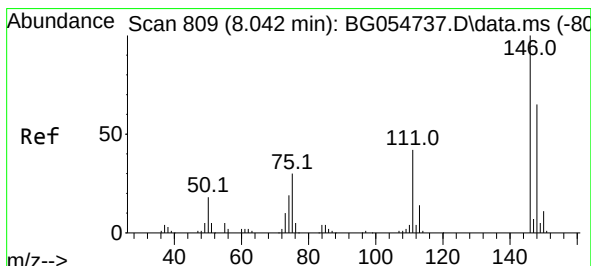
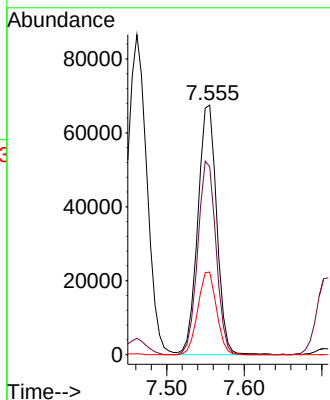
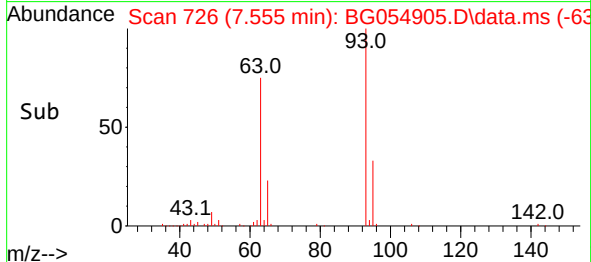
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



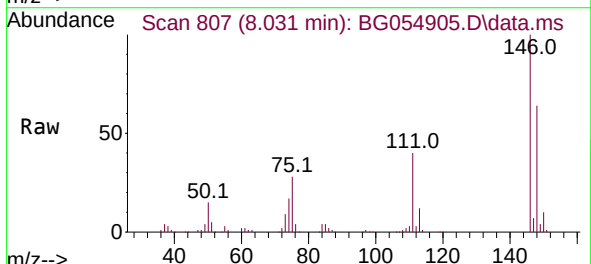
Tgt Ion: 93 Resp: 113996
Ion Ratio Lower Upper
93 100
63 75.3 62.1 102.1
95 33.0 12.1 52.1

Manual Integrations
APPROVED

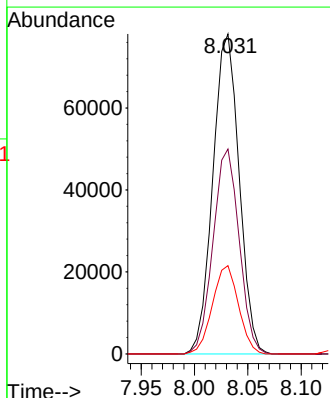
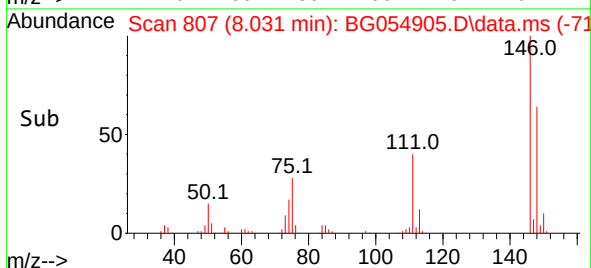
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

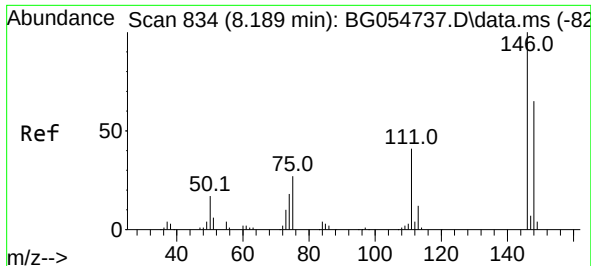


#12
1,3-Dichlorobenzene
Concen: 49.100 ng
RT: 8.031 min Scan# 807
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:146 Resp: 133968
Ion Ratio Lower Upper
146 100
148 64.0 50.6 76.0
75 27.6 24.3 36.5





#13

1,4-Dichlorobenzene

Concen: 49.070 ng

RT: 8.178 min Scan# 834

Delta R.T. -0.003 min

Lab File: BG054905.D

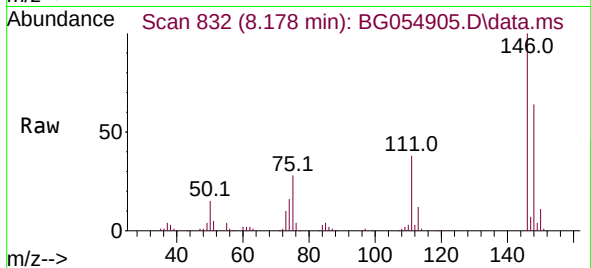
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD



Tgt Ion:146 Resp: 135050

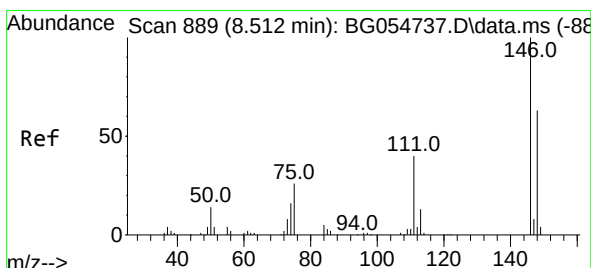
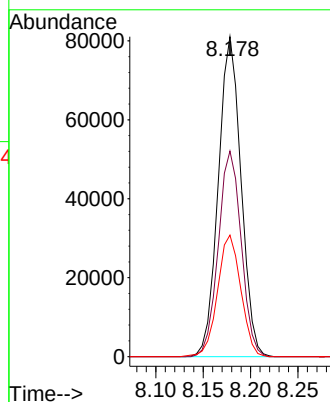
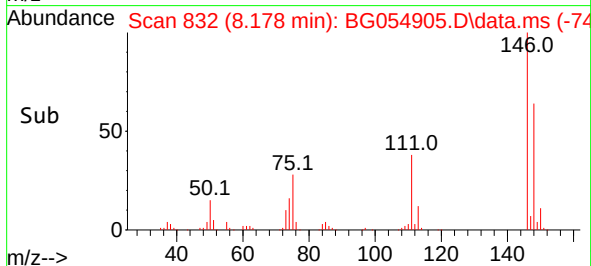
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.4	75.6
111	38.0	33.0	49.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/12/2022

Supervised By :Jagrut Upadhyay 09/12/2022



#14

1,2-Dichlorobenzene

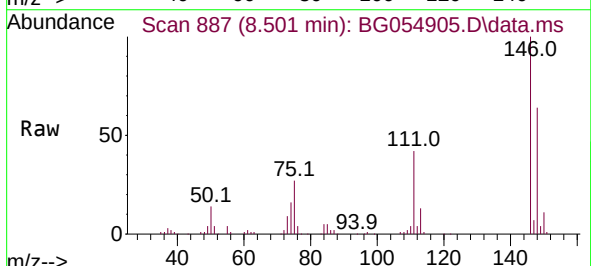
Concen: 50.927 ng

RT: 8.501 min Scan# 887

Delta R.T. 0.003 min

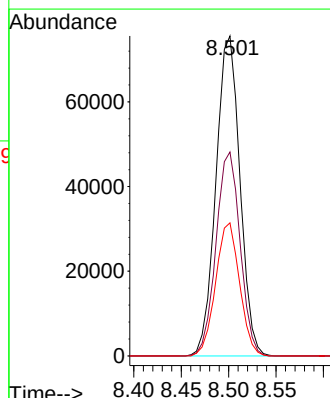
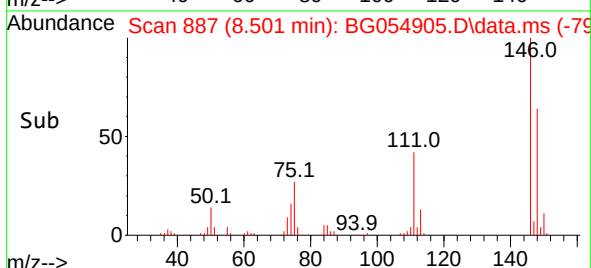
Lab File: BG054905.D

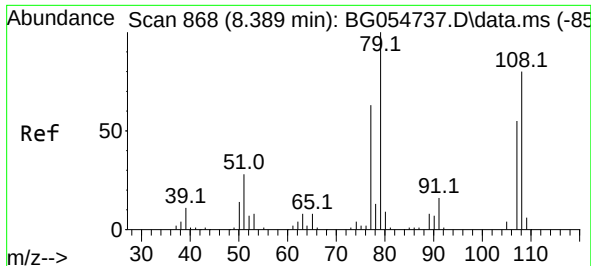
Acq: 9 Sep 2022 20:32



Tgt Ion:146 Resp: 132901

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
111	41.6	34.3	51.5





#15
Benzyl Alcohol
Concen: 51.236 ng m
RT: 8.384 min Scan# 867
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

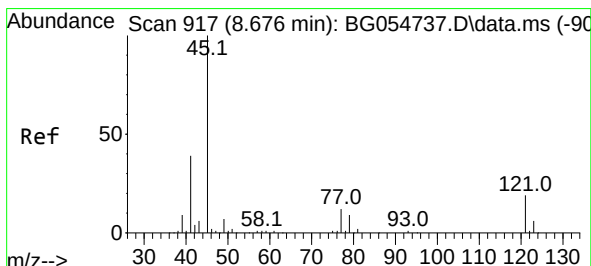
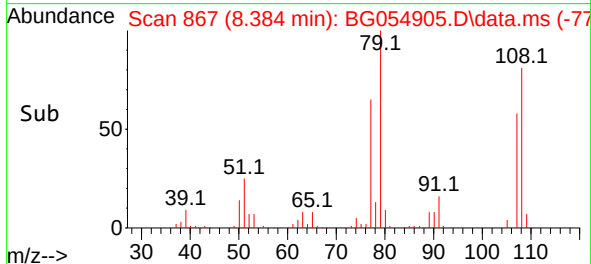
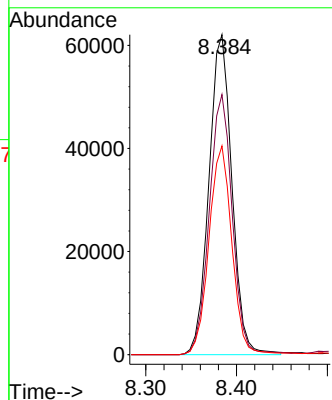
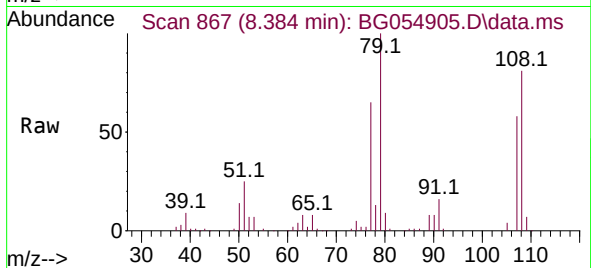
HR-SOIL-0908MSD

Tgt Ion: 79 Resp: 10924
Ion Ratio Lower Upper
79 100
108 81.3 63.4 95.0
77 65.2 55.0 82.4

Manual Integrations

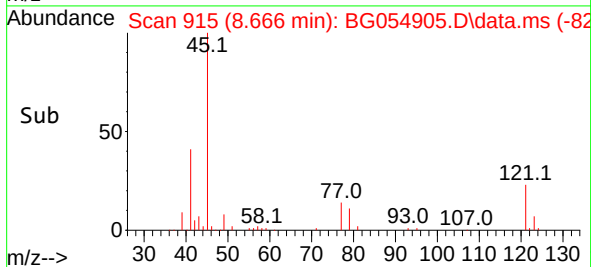
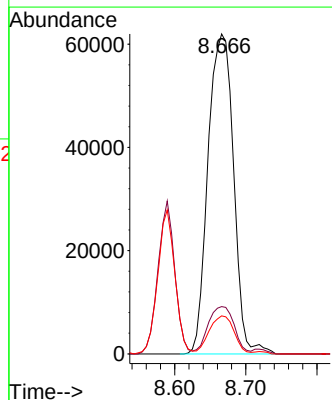
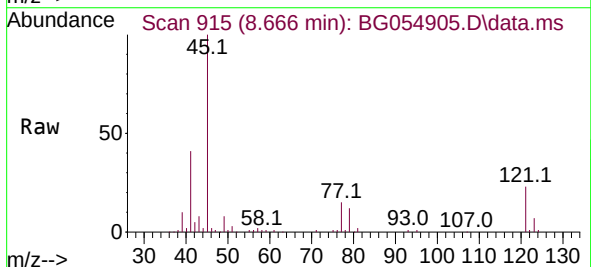
APPROVED

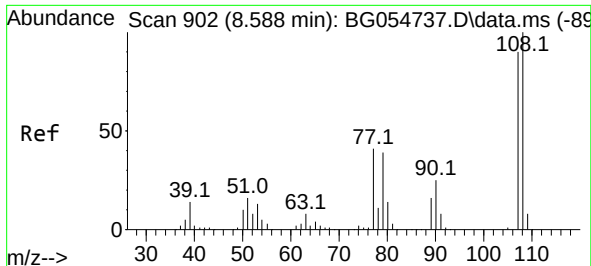
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.511 ng
RT: 8.666 min Scan# 915
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Tgt Ion: 45 Resp: 154732
Ion Ratio Lower Upper
45 100
77 14.8 0.0 32.8
79 11.9 0.0 30.4





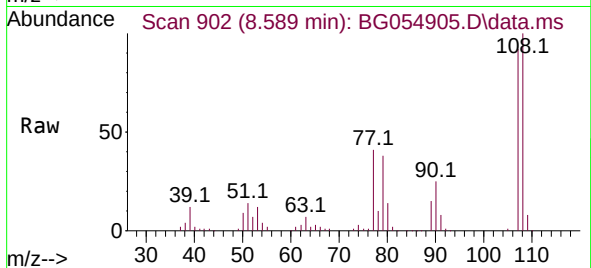
#17
2-Methylphenol
Concen: 54.073 ng
RT: 8.589 min Scan# 90
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

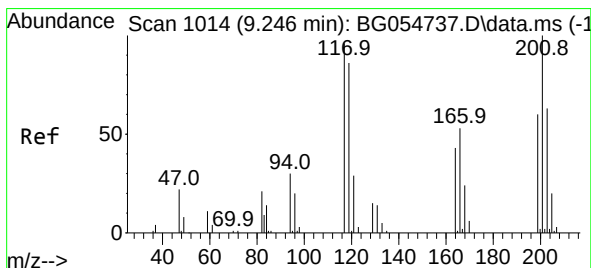
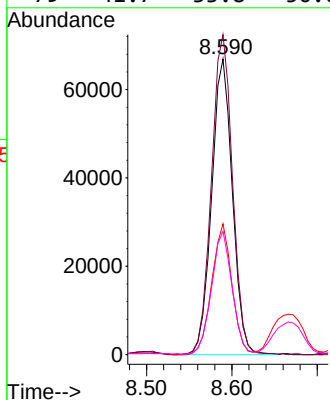
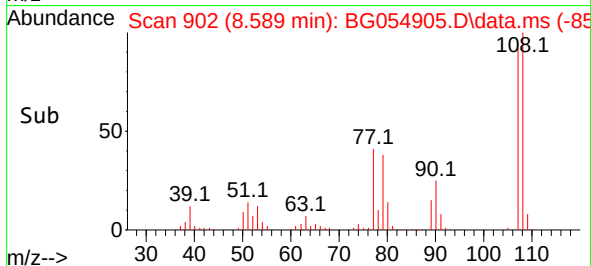


Tgt Ion:107 Resp: 112995
Ion Ratio Lower Upper
107 100
108 108.3 85.6 128.4
77 44.3 35.8 53.8
79 41.7 33.8 50.6

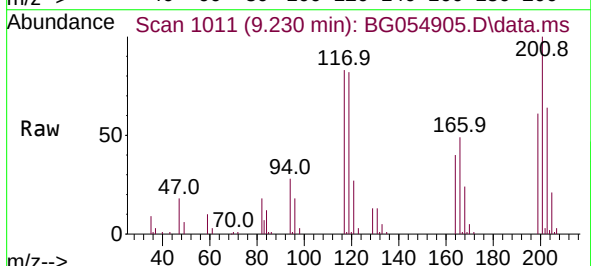
Manual Integrations

APPROVED

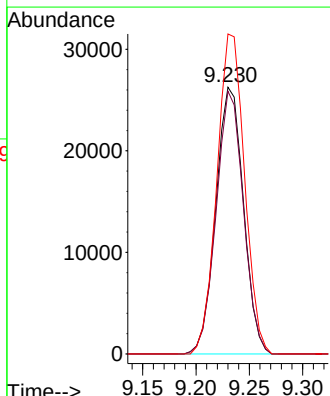
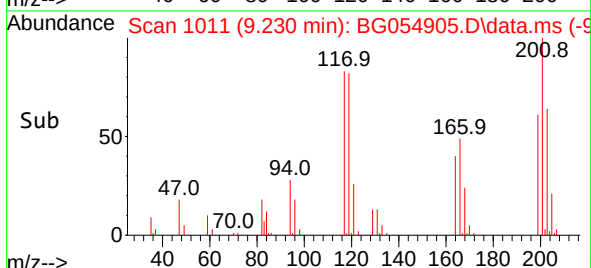
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

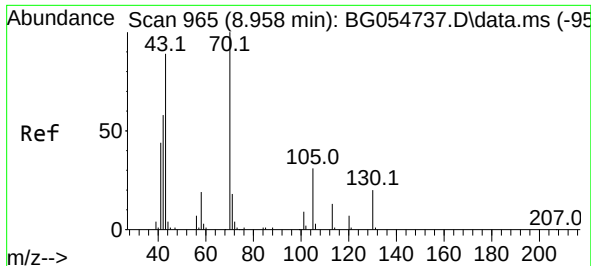


#18
Hexachloroethane
Concen: 47.516 ng
RT: 9.230 min Scan# 1011
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:117 Resp: 47421
Ion Ratio Lower Upper
117 100
119 98.4 77.0 115.6
201 120.0 87.2 130.8





#19

n-Nitroso-di-n-propylamine

Concen: 46.043 ng

RT: 8.948 min Scan# 965

Delta R.T. -0.003 min

Lab File: BG054905.D

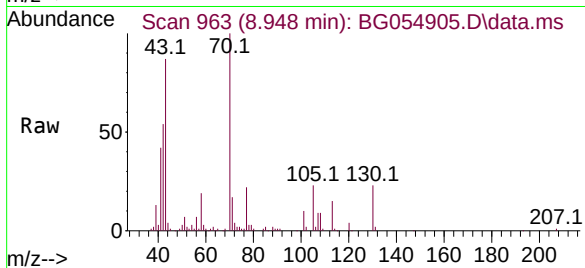
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD



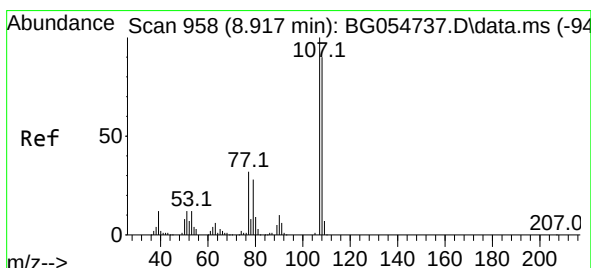
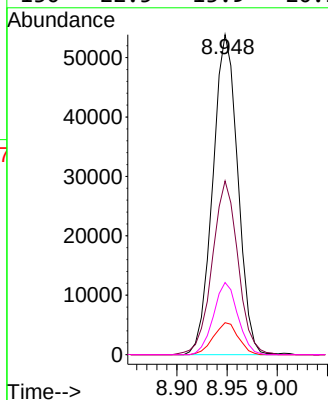
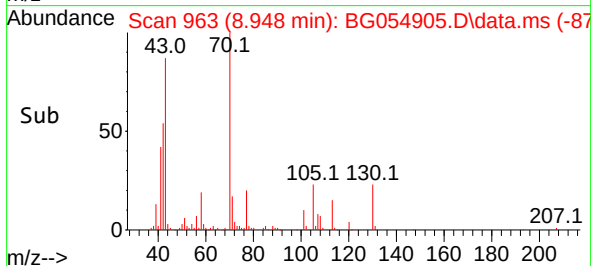
Tgt Ion:	70	Resp:	93445
Ion	Ratio	Lower	Upper
70	100		
42	54.3	46.6	69.8
101	10.0	7.7	11.5
130	22.5	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/12/2022

Supervised By :Jagrut Upadhyay 09/12/2022



#20

3+4-Methylphenols

Concen: 53.919 ng

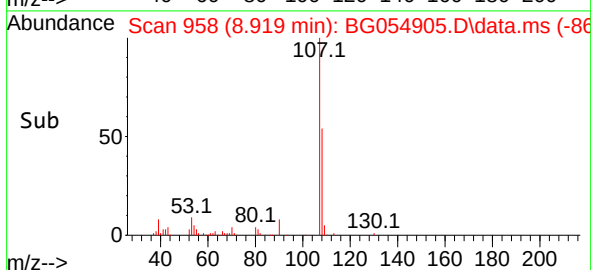
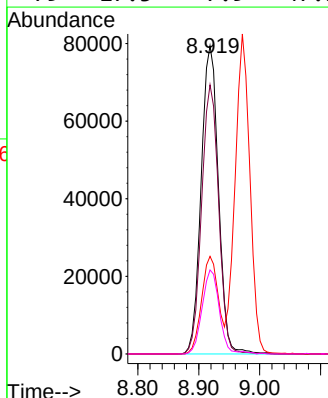
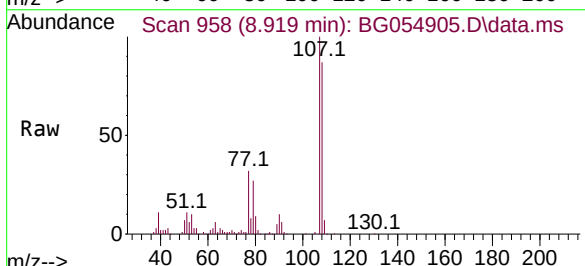
RT: 8.919 min Scan# 958

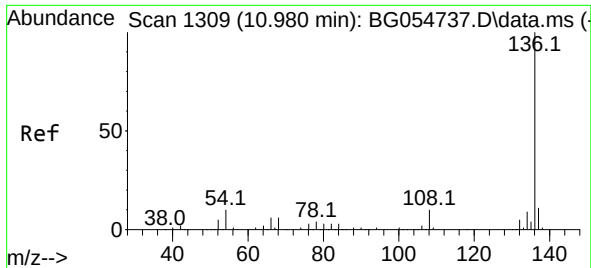
Delta R.T. -0.003 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

Tgt Ion:	107	Resp:	156242
Ion	Ratio	Lower	Upper
107	100		
108	87.3	71.6	111.6
77	31.7	13.1	53.1
79	27.3	7.9	47.9





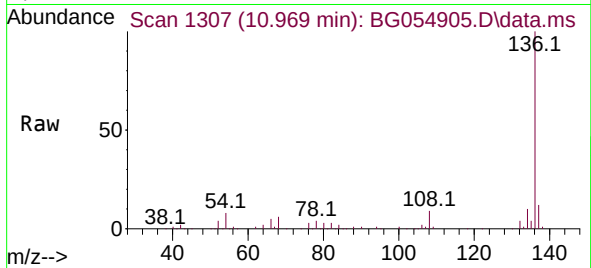
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1307
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

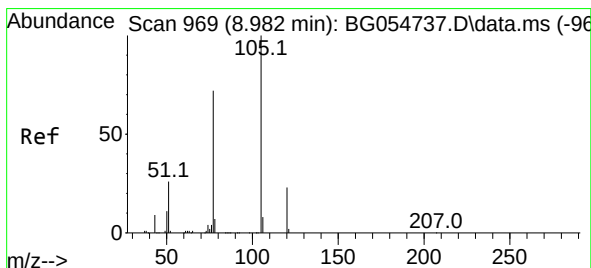
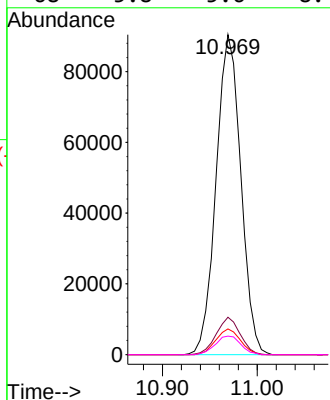
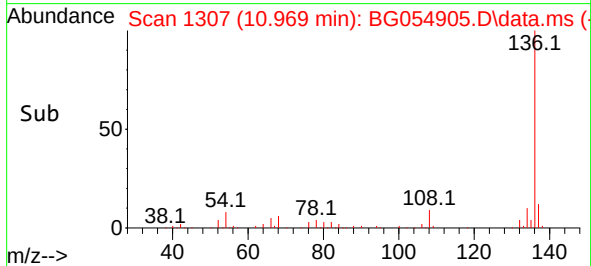


Tgt Ion:136 Resp: 163638
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 8.0 7.7 11.5
68 5.8 5.6 8.4

Manual Integrations

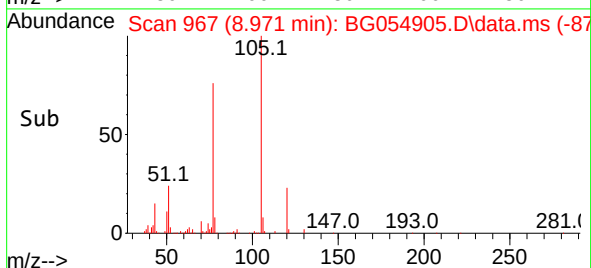
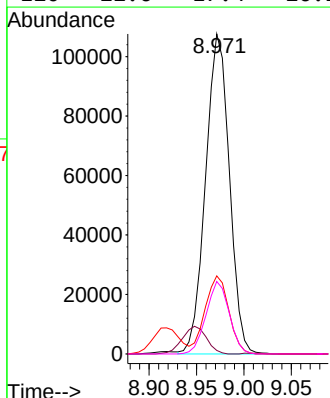
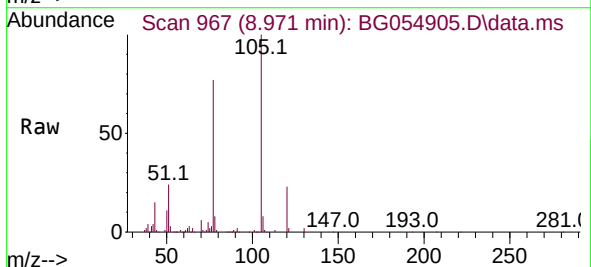
APPROVED

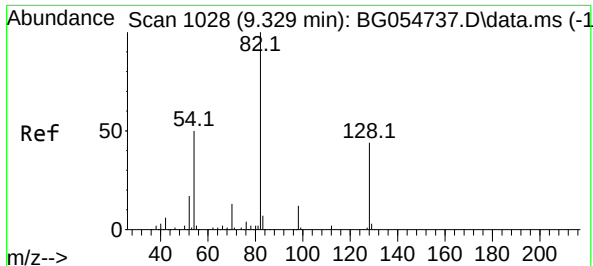
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#22
Acetophenone
Concen: 45.929 ng
RT: 8.971 min Scan# 967
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Tgt Ion:105 Resp: 188030
Ion Ratio Lower Upper
105 100
71 1.1 1.2 1.8#
51 24.4 22.9 34.3
120 22.6 17.4 26.2





#23

Nitrobenzene-d5

Concen: 76.623 ng

RT: 9.318 min Scan# 1026

Delta R.T. -0.003 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

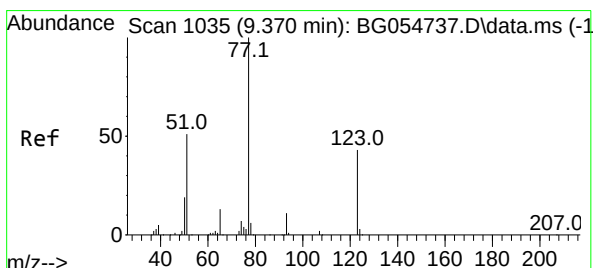
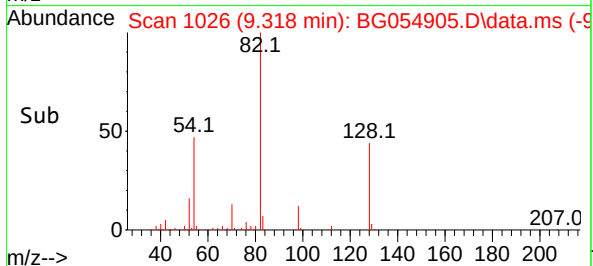
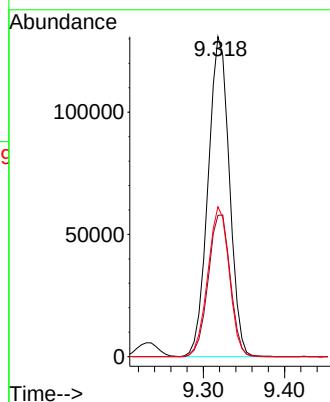
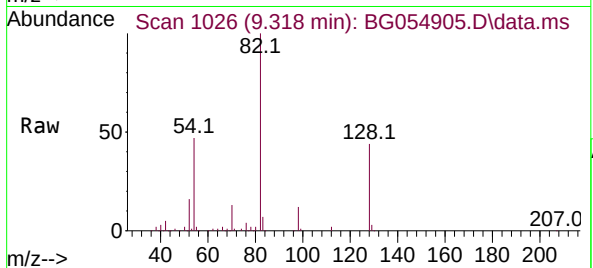
Tgt Ion:	82	Resp:	238845
Ion Ratio	Lower	Upper	
82	100		
128	44.1	32.2	48.2
54	46.8	41.4	62.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/12/2022

Supervised By :Jagrut Upadhyay 09/12/2022



#24

Nitrobenzene

Concen: 43.331 ng

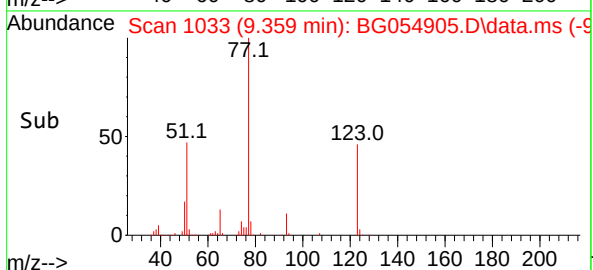
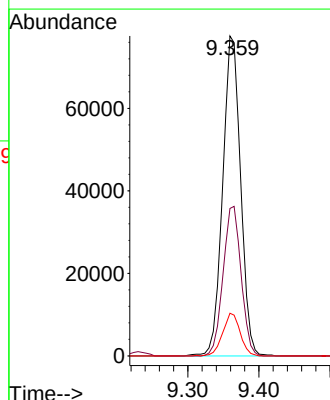
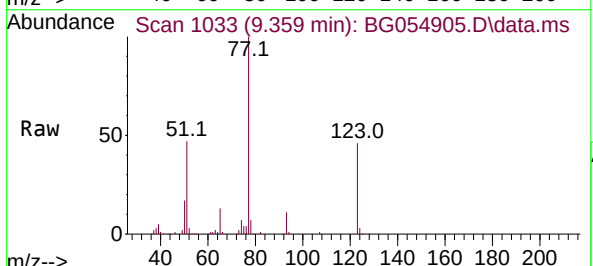
RT: 9.359 min Scan# 1033

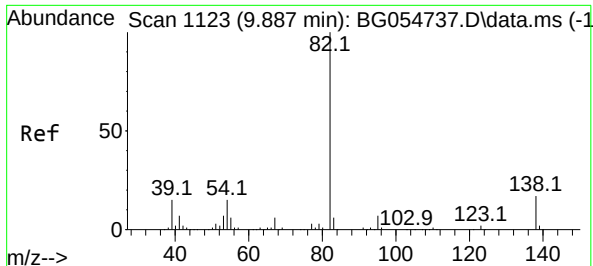
Delta R.T. -0.003 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

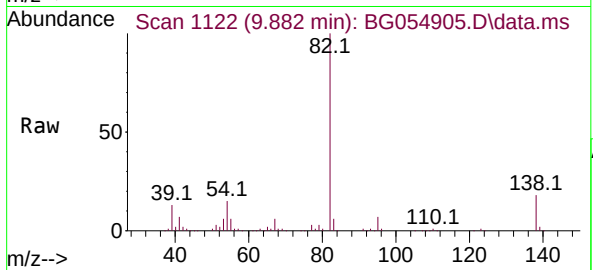
Tgt Ion:	77	Resp:	136140
Ion Ratio	Lower	Upper	
77	100		
123	46.1	35.0	52.6
65	13.3	10.2	15.2





#25
Isophorone
Concen: 47.159 ng
RT: 9.882 min Scan# 1122
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

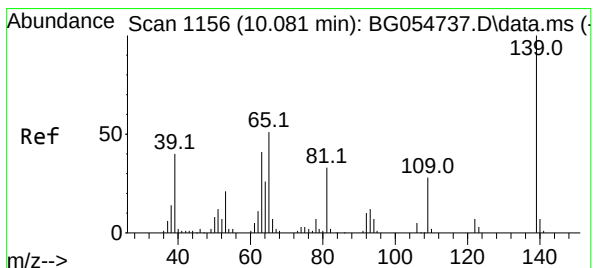
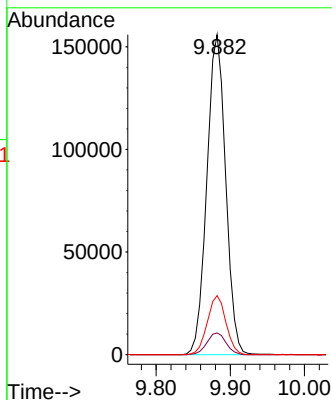
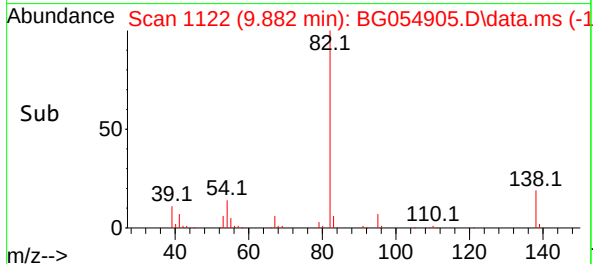
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion: 82 Resp: 274094
Ion Ratio Lower Upper
82 100
95 6.8 5.6 8.4
138 18.4 13.9 20.9

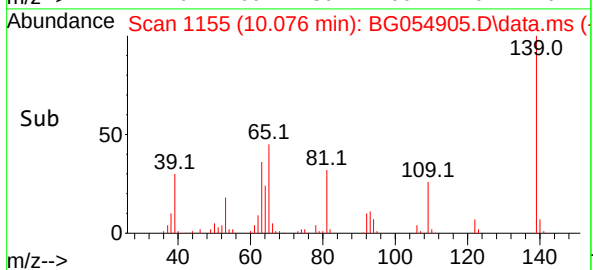
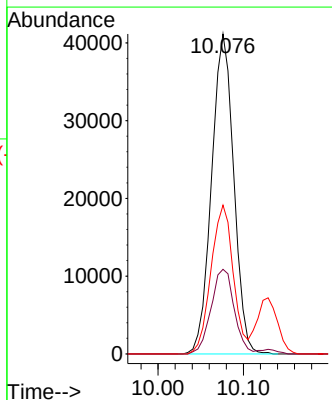
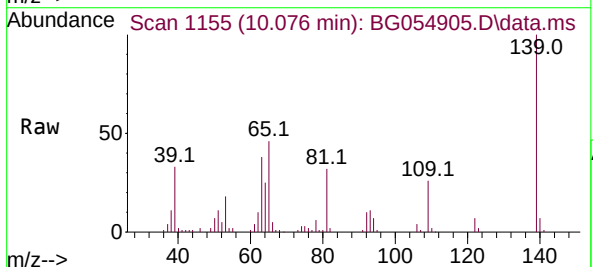
Manual Integrations
APPROVED

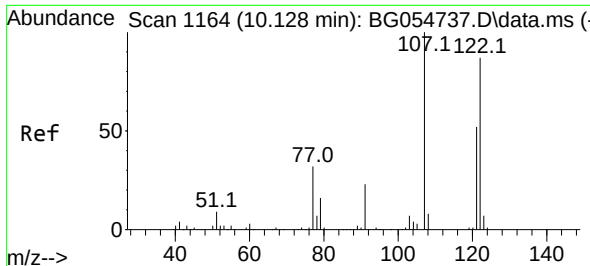
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#26
2-Nitrophenol
Concen: 53.490 ng
RT: 10.076 min Scan# 1155
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

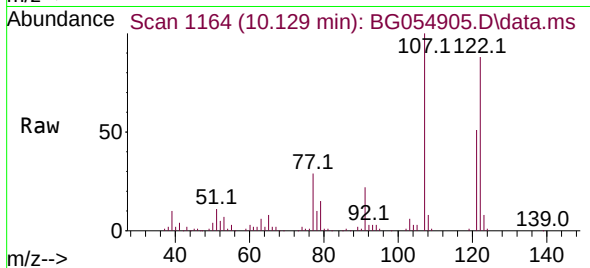
Tgt Ion:139 Resp: 74235
Ion Ratio Lower Upper
139 100
109 26.4 21.8 32.6
65 46.5 37.4 56.0





#27
2,4-Dimethylphenol
Concen: 58.470 ng
RT: 10.129 min Scan# 1164
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

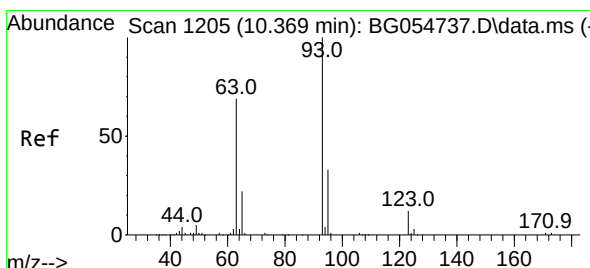
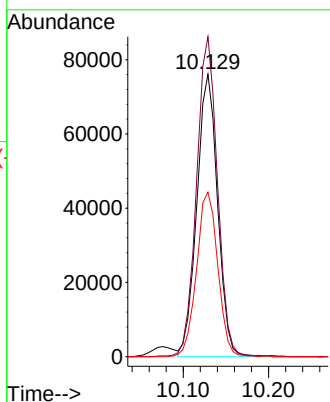
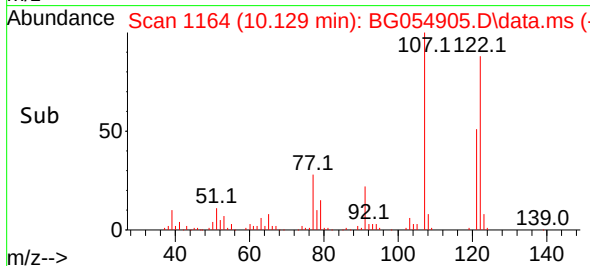
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



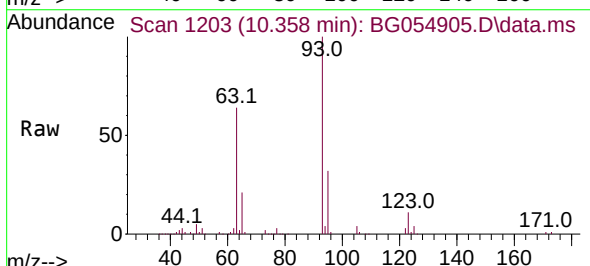
Tgt Ion:122 Resp: 128576
Ion Ratio Lower Upper
122 100
107 113.3 94.6 142.0
121 58.2 49.8 74.6

Manual Integrations
APPROVED

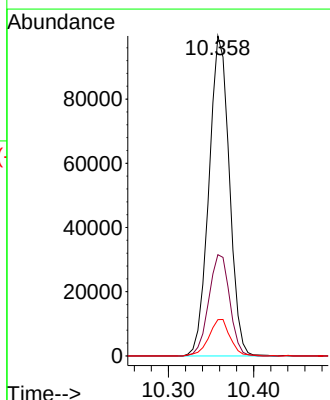
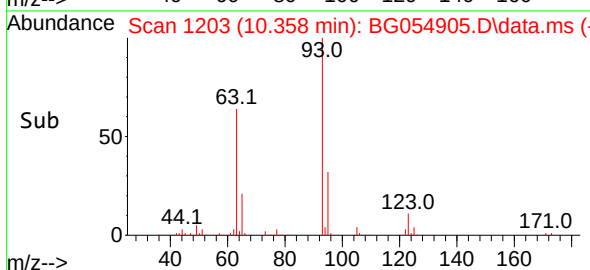
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

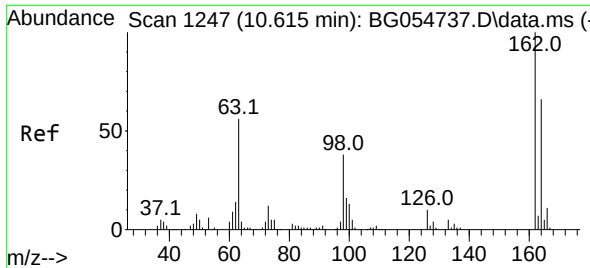


#28
bis(2-Chloroethoxy)methane
Concen: 49.977 ng
RT: 10.358 min Scan# 1203
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion: 93 Resp: 165518
Ion Ratio Lower Upper
93 100
95 31.6 26.2 39.2
123 11.3 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 53.567 ng

RT: 10.617 min Scan# 1247

Delta R.T. -0.003 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

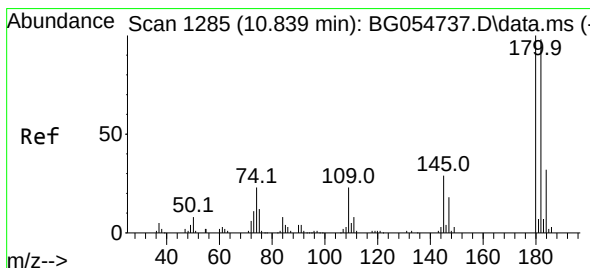
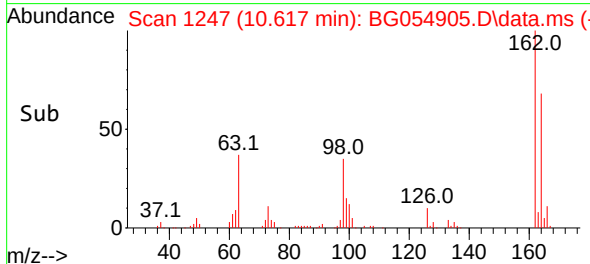
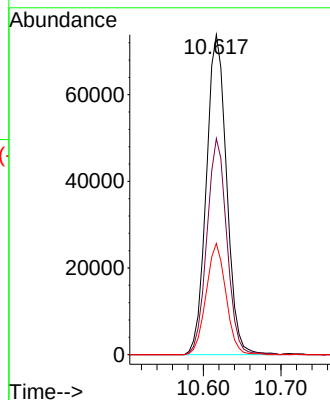
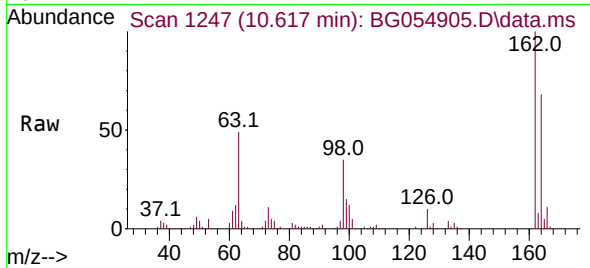
HR-SOIL-0908MSD

Tgt Ion:162	Resp:	133975
Ion Ratio	Lower	Upper
162	100	
164	67.5	47.2 87.2
98	34.7	16.6 56.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#30

1,2,4-Trichlorobenzene

Concen: 48.089 ng

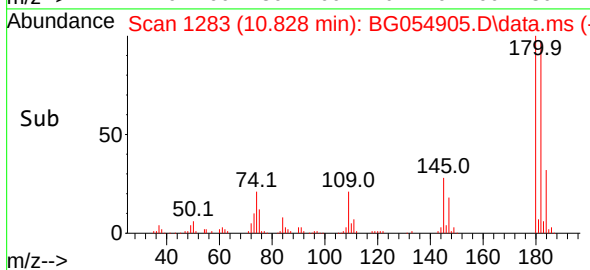
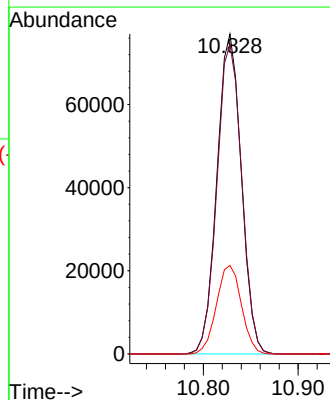
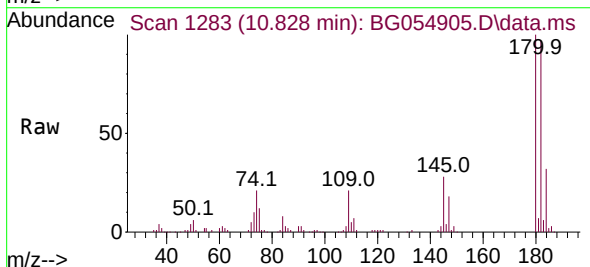
RT: 10.828 min Scan# 1283

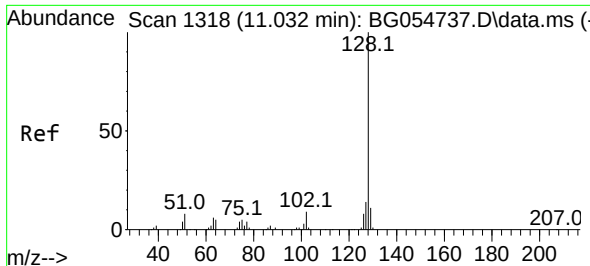
Delta R.T. -0.003 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

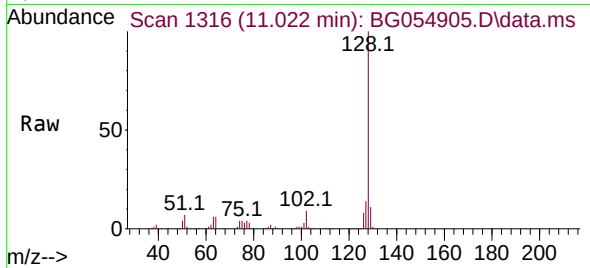
Tgt Ion:180	Resp:	137448
Ion Ratio	Lower	Upper
180	100	
182	96.7	77.0 115.6
145	27.6	24.0 36.0





#31
Naphthalene
Concen: 46.605 ng
RT: 11.022 min Scan# 1318
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

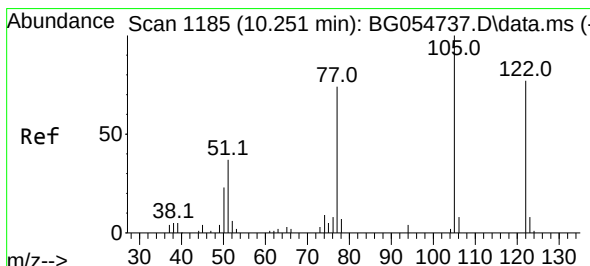
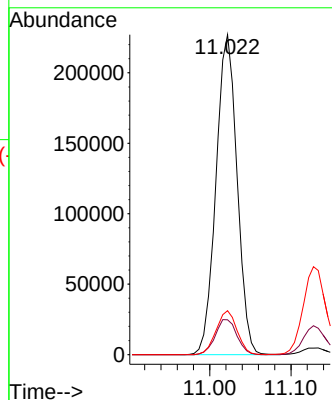
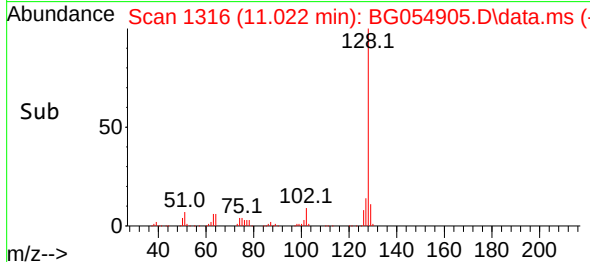
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:128 Resp: 409169
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.7 11.1 16.7

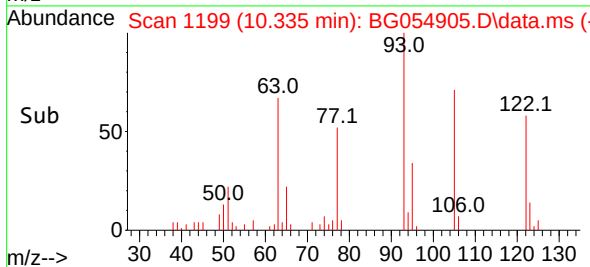
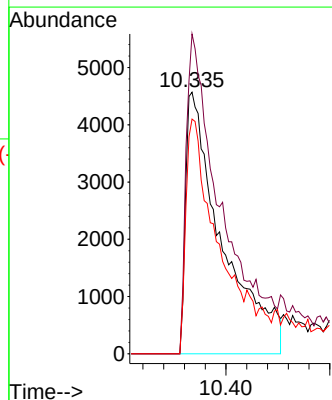
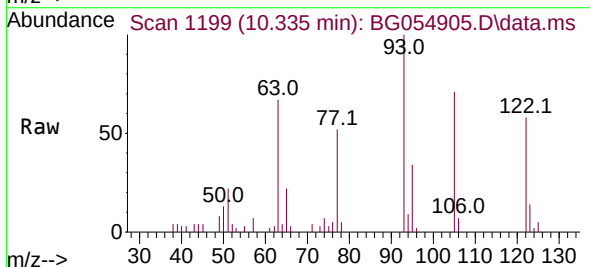
Manual Integrations
APPROVED

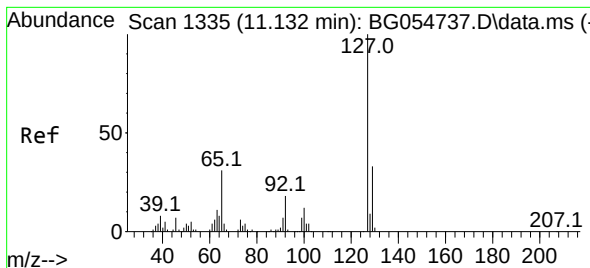
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#32
Benzoic acid
Concen: 19.645 ng m
RT: 10.335 min Scan# 1199
Delta R.T. -0.009 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Tgt Ion:122 Resp: 22199
Ion Ratio Lower Upper
122 100
105 122.3 101.5 141.5
77 89.8 69.3 109.3





#33
4-Chloroaniline
Concen: 34.254 ng
RT: 11.128 min Scan# 1335
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

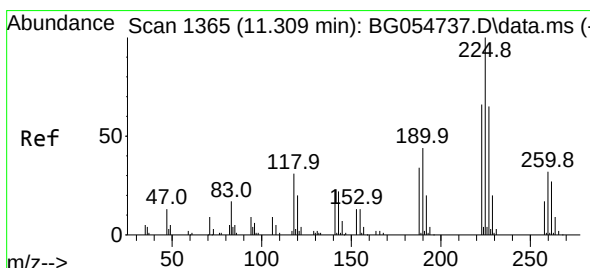
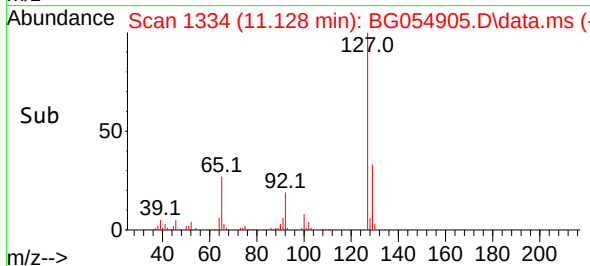
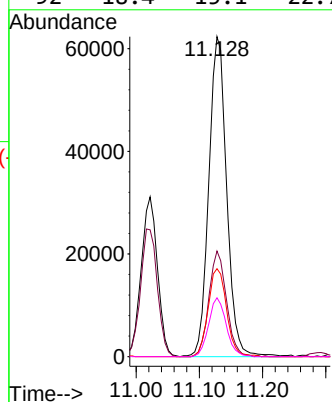
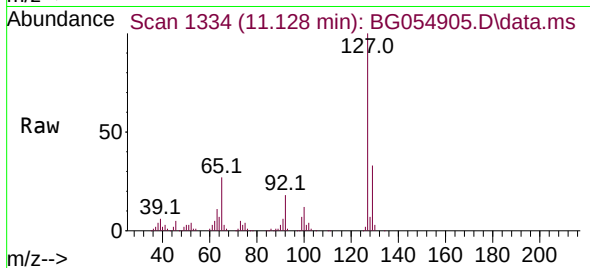
HR-SOIL-0908MSD

Tgt Ion:127 Resp: 122603
Ion Ratio Lower Upper
127 100
129 33.0 26.0 39.0
65 27.5 25.8 38.8
92 18.4 15.1 22.7

Manual Integrations

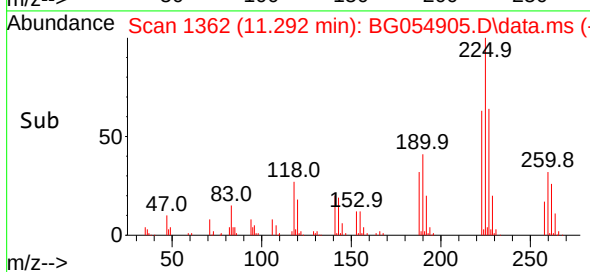
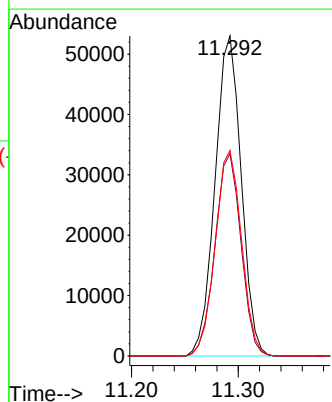
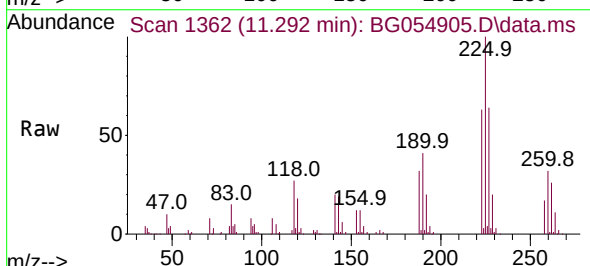
APPROVED

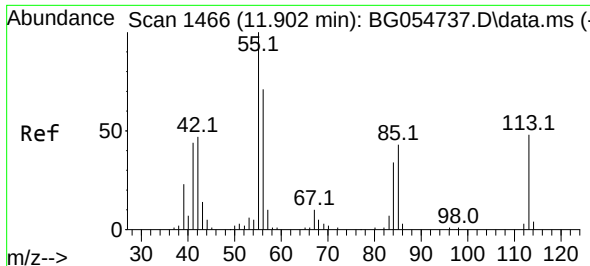
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#34
Hexachlorobutadiene
Concen: 49.421 ng
RT: 11.292 min Scan# 1362
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

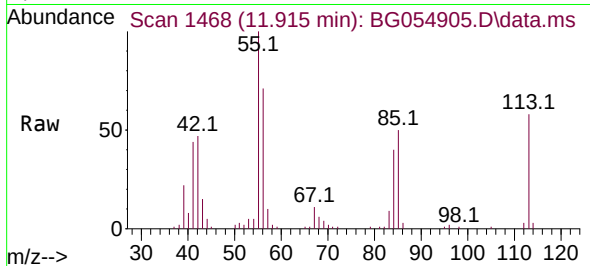
Tgt Ion:225 Resp: 90503
Ion Ratio Lower Upper
225 100
223 63.2 51.4 77.0
227 64.2 52.6 79.0





#35
 Caprolactam
 Concen: 53.894 ng m
 RT: 11.915 min Scan# 1466
 Delta R.T. 0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32

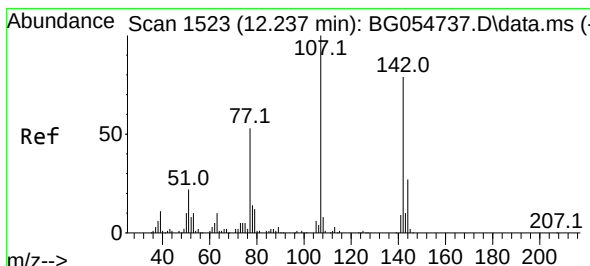
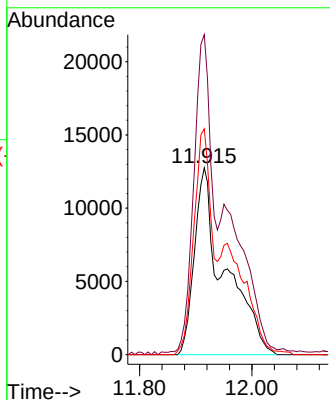
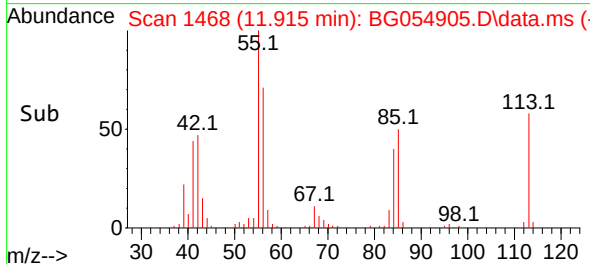
Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MSD



Tgt Ion:113 Resp: 47558
 Ion Ratio Lower Upper
 113 100
 55 171.2 179.1 219.1
 56 120.8 120.8 160.8

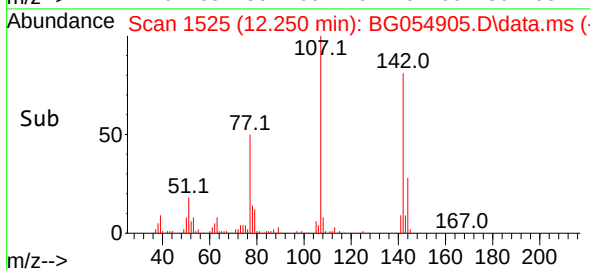
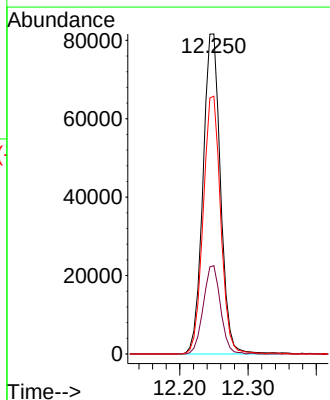
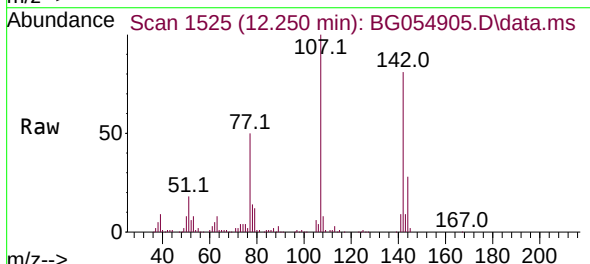
Manual Integrations
 APPROVED

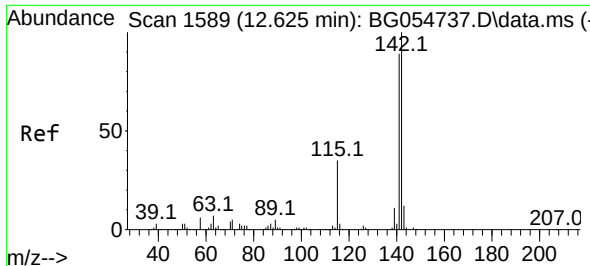
Reviewed By :Christian Giraldo 09/12/2022
 Supervised By :Jagrut Upadhyay 09/12/2022



#36
 4-Chloro-3-methylphenol
 Concen: 53.251 ng
 RT: 12.250 min Scan# 1525
 Delta R.T. 0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32

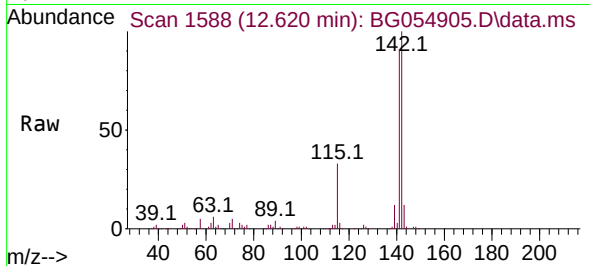
Tgt Ion:107 Resp: 145644
 Ion Ratio Lower Upper
 107 100
 144 27.6 22.4 33.6
 142 80.5 65.8 98.8





#37
2-Methylnaphthalene
Concen: 49.329 ng
RT: 12.620 min Scan# 1589
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

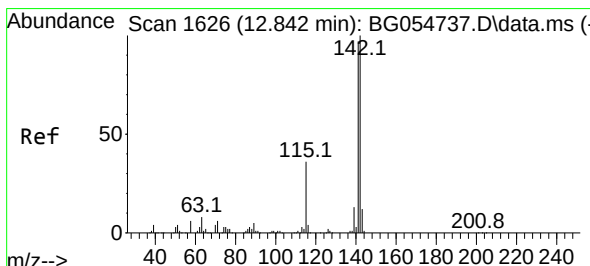
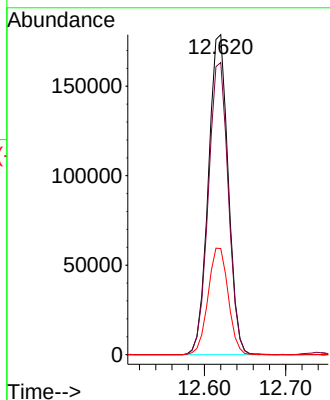
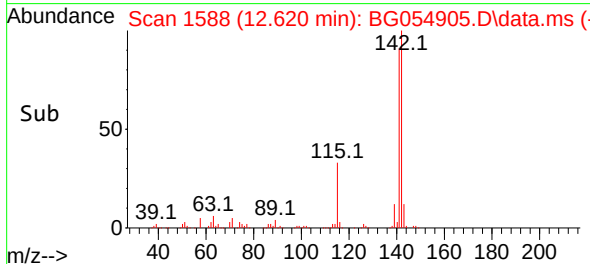
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:142 Resp: 30354
Ion Ratio Lower Upper
142 100
141 91.3 73.0 109.4
115 33.1 27.3 40.9

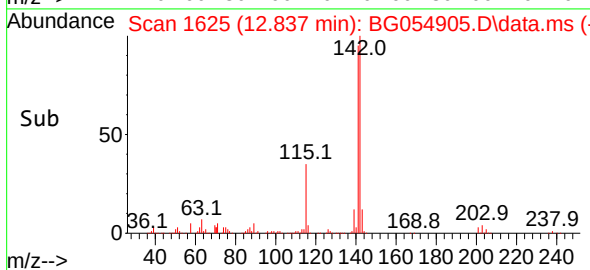
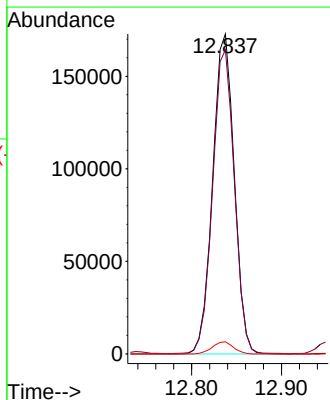
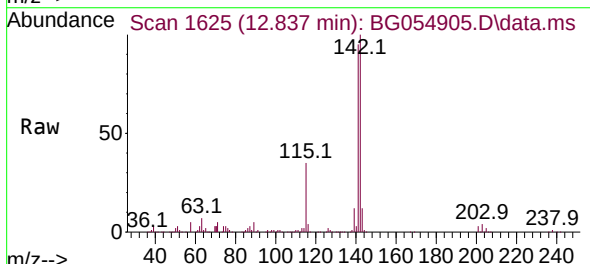
Manual Integrations
APPROVED

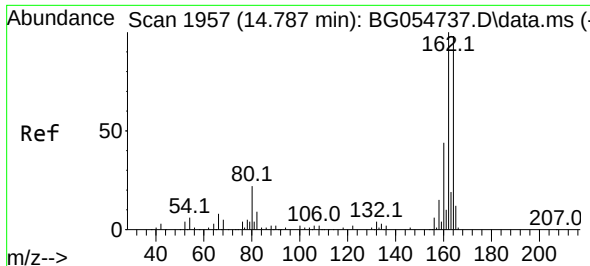
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#38
1-Methylnaphthalene
Concen: 48.269 ng
RT: 12.837 min Scan# 1625
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

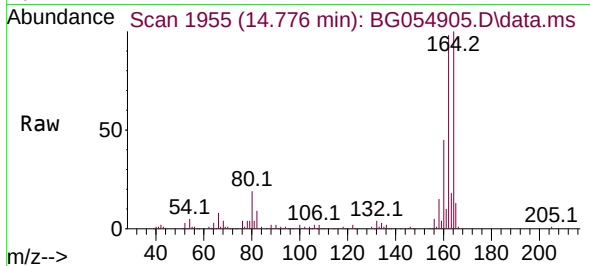
Tgt Ion:142 Resp: 288980
Ion Ratio Lower Upper
142 100
141 95.0 77.4 116.0
116 3.8 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1957
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

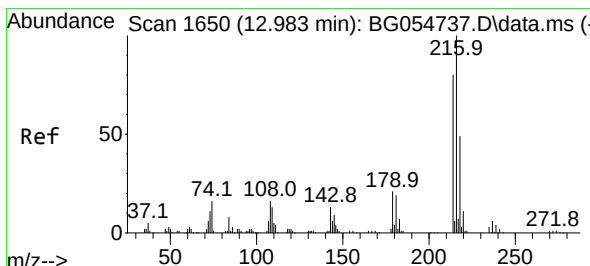
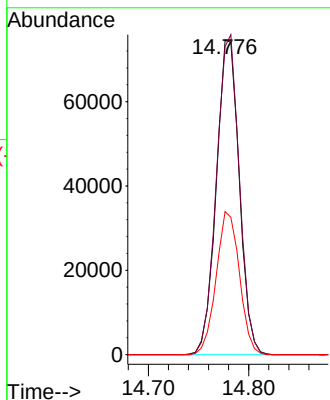
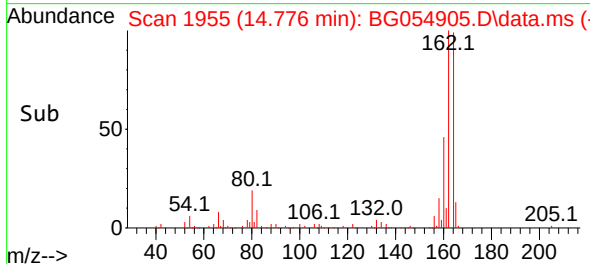
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:164 Resp: 118689
Ion Ratio Lower Upper
164 100
162 98.0 83.0 124.4
160 45.5 38.0 57.0

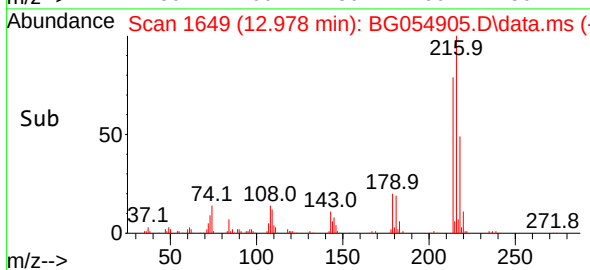
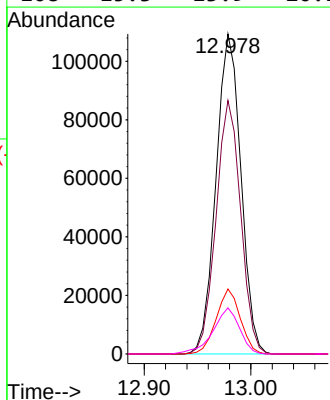
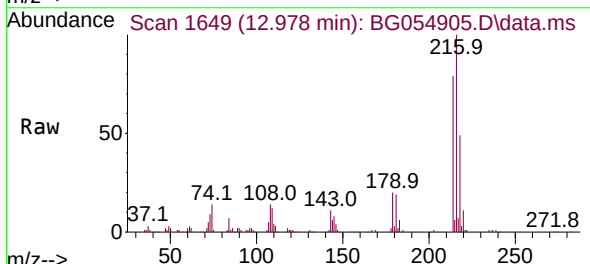
Manual Integrations
APPROVED

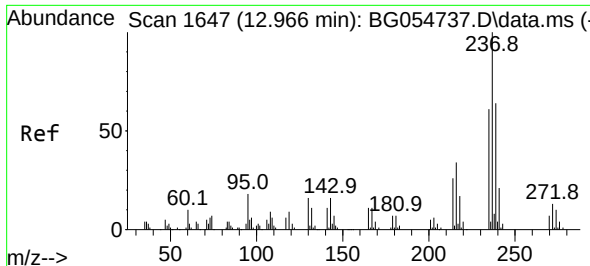
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.651 ng
RT: 12.978 min Scan# 1649
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

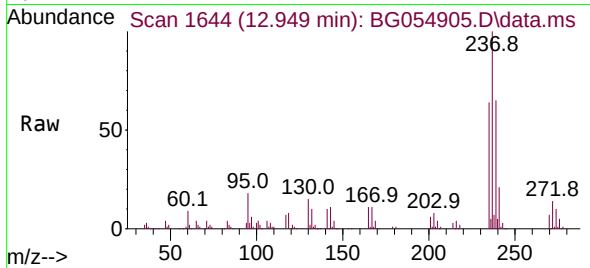
Tgt Ion:216 Resp: 177643
Ion Ratio Lower Upper
216 100
214 78.3 63.2 94.8
179 19.6 16.5 24.7
108 15.3 13.9 20.9





#41
Hexachlorocyclopentadiene
Concen: 49.352 ng
RT: 12.949 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

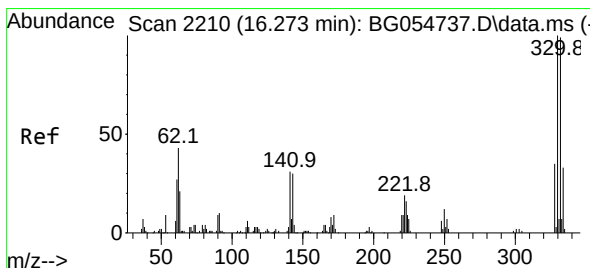
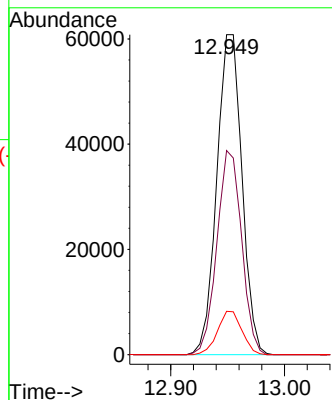
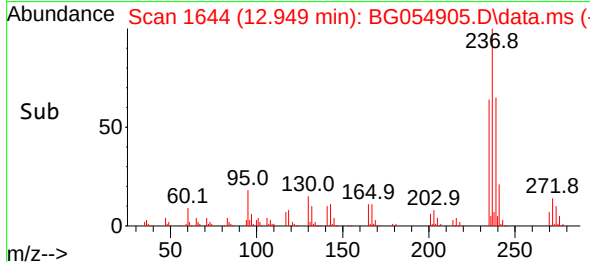
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:237 Resp: 93641
Ion Ratio Lower Upper
237 100
235 63.8 42.2 82.2
272 13.5 0.0 34.0

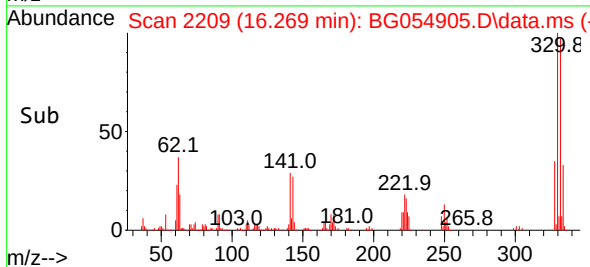
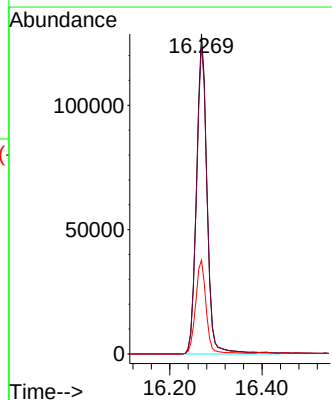
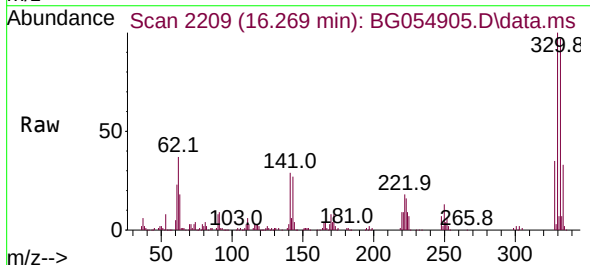
Manual Integrations
APPROVED

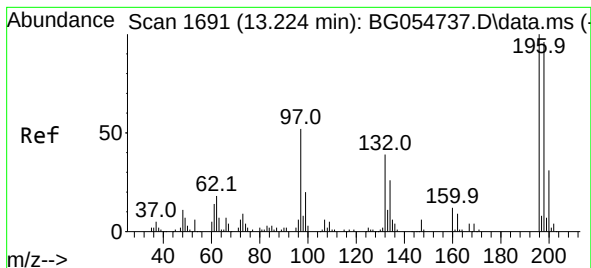
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#42
2,4,6-Tribromophenol
Concen: 136.313 ng
RT: 16.269 min Scan# 2209
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

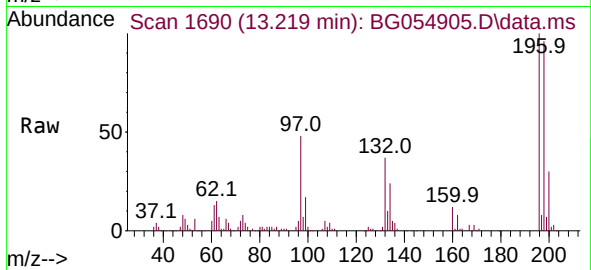
Tgt Ion:330 Resp: 202165
Ion Ratio Lower Upper
330 100
332 97.9 79.8 119.6
141 29.6 26.8 40.2





#43
2,4,6-Trichlorophenol
Concen: 47.300 ng
RT: 13.219 min Scan# 1691
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

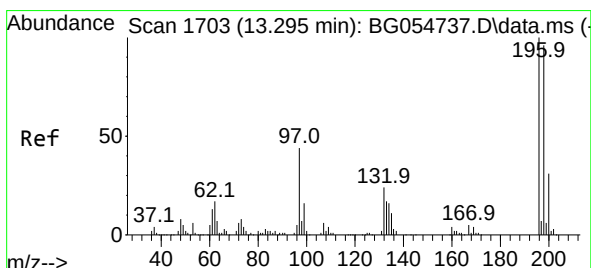
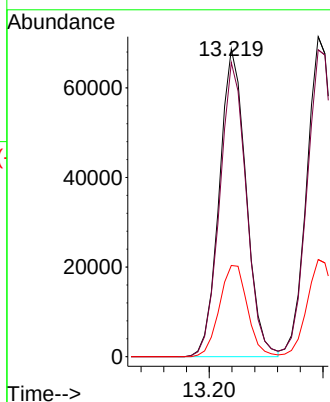
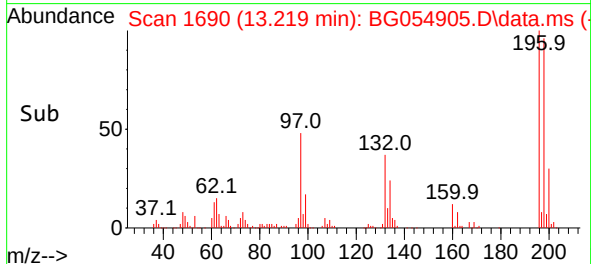
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



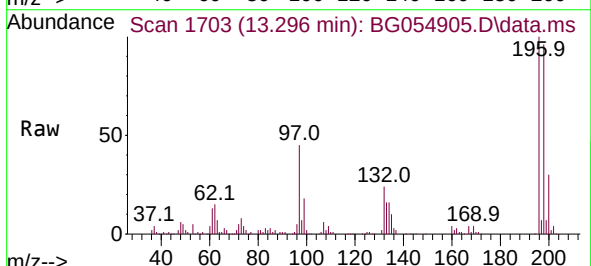
Tgt Ion:196 Resp: 112326
Ion Ratio Lower Upper
196 100
198 95.6 77.1 115.7
200 29.6 24.2 36.4

Manual Integrations
APPROVED

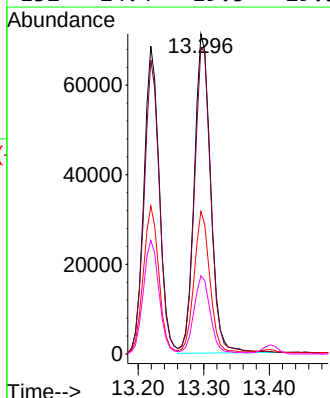
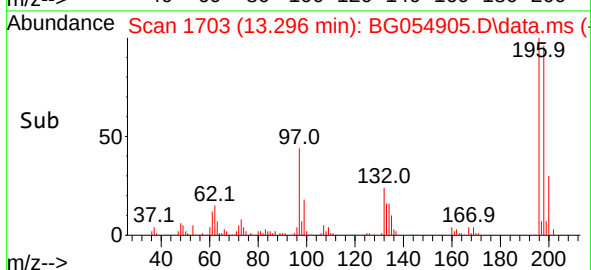
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

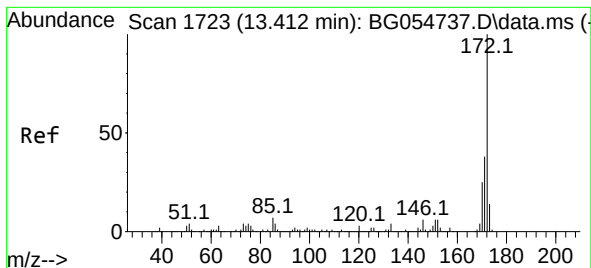


#44
2,4,5-Trichlorophenol
Concen: 46.131 ng
RT: 13.296 min Scan# 1703
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



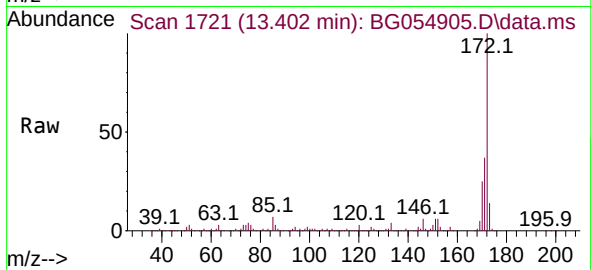
Tgt Ion:196 Resp: 123030
Ion Ratio Lower Upper
196 100
198 95.9 76.7 115.1
97 44.5 36.6 55.0
132 24.4 19.5 29.3





#45
2-Fluorobiphenyl
Concen: 79.206 ng
RT: 13.402 min Scan# 1721
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

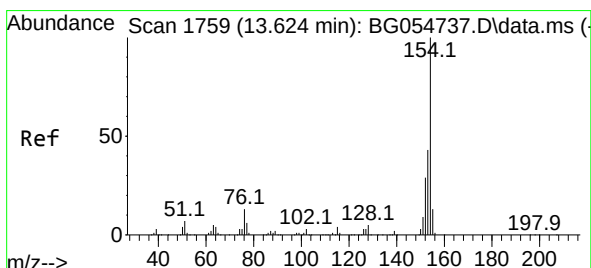
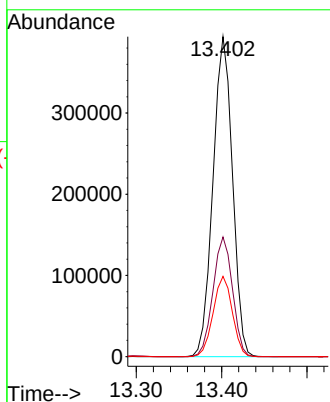
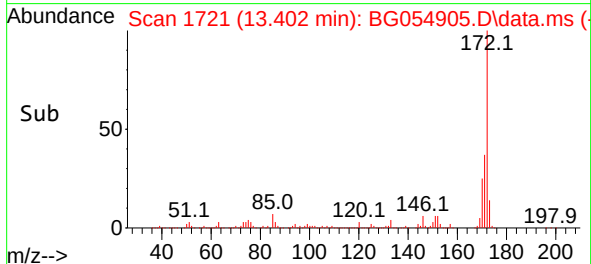
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



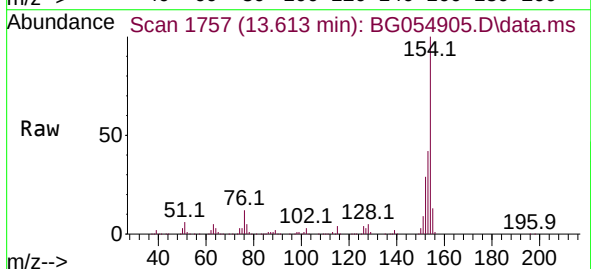
Tgt Ion:172 Resp: 625462
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 25.1 20.6 30.8

Manual Integrations
APPROVED

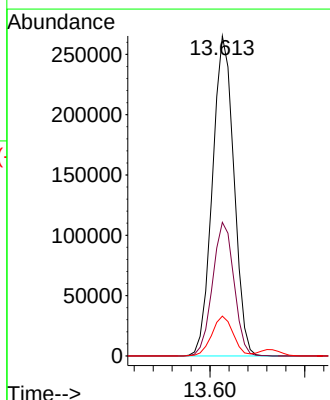
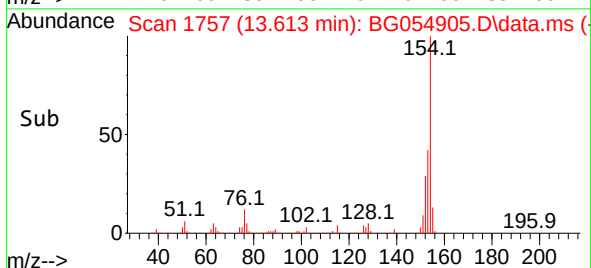
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

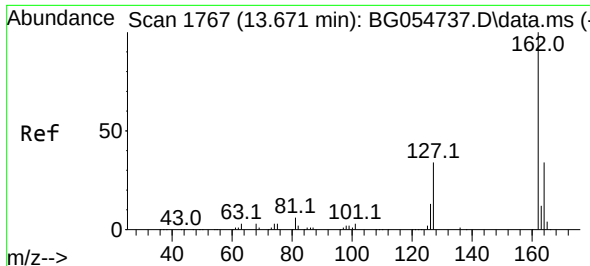


#46
1,1'-Biphenyl
Concen: 47.282 ng
RT: 13.613 min Scan# 1757
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:154 Resp: 416739
Ion Ratio Lower Upper
154 100
153 41.8 22.2 62.2
76 12.5 0.0 34.0





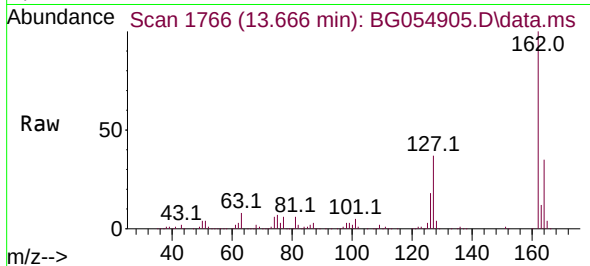
#47
2-Chloronaphthalene
Concen: 46.219 ng
RT: 13.666 min Scan# 1767
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

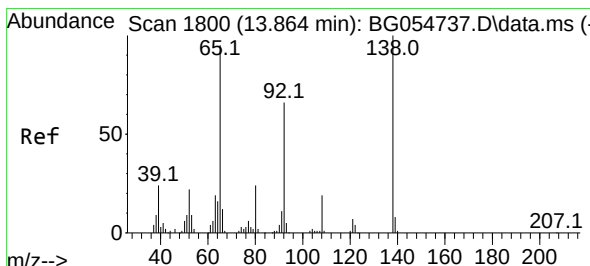
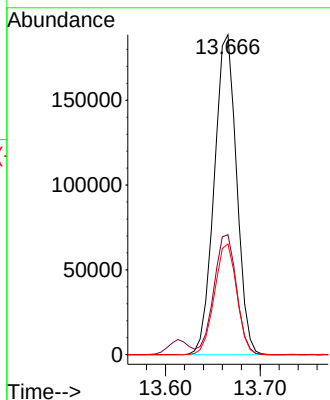
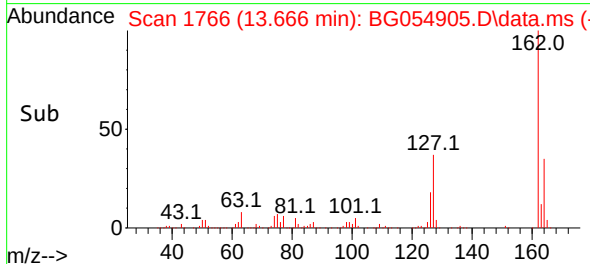


Tgt Ion:162 Resp: 309379
Ion Ratio Lower Upper
162 100
127 37.5 31.5 47.3
164 34.6 27.8 41.6

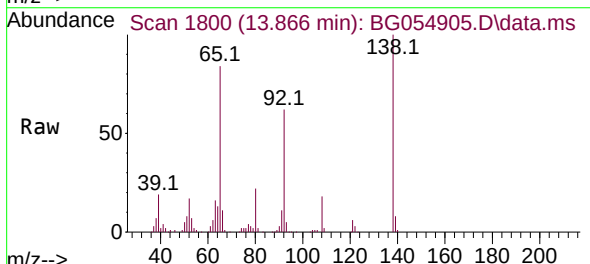
Manual Integrations

APPROVED

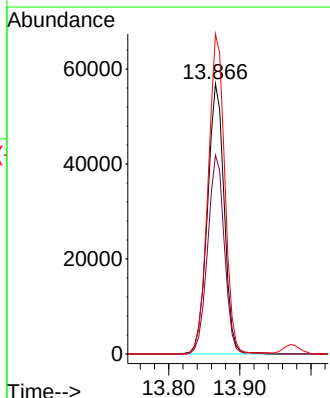
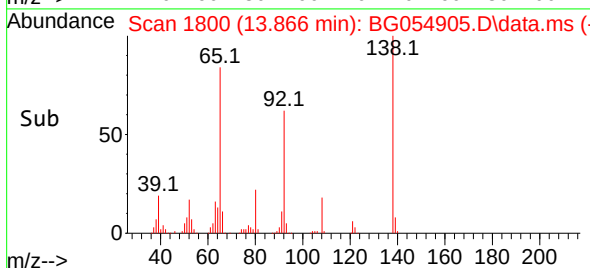
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

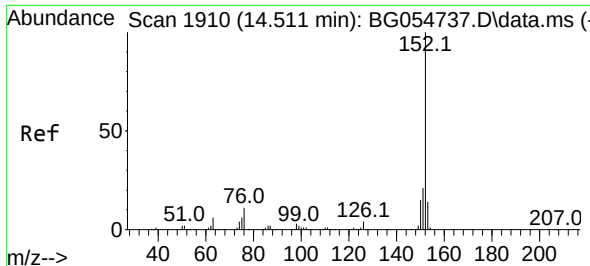


#48
2-Nitroaniline
Concen: 44.182 ng
RT: 13.866 min Scan# 1800
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



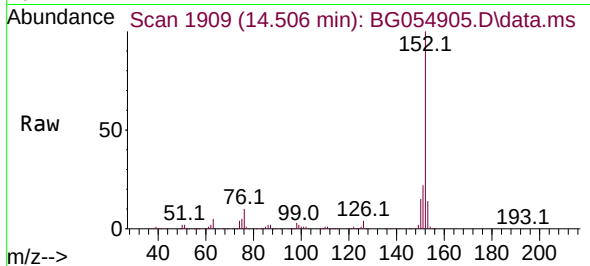
Tgt Ion: 65 Resp: 92686
Ion Ratio Lower Upper
65 100
92 73.5 54.7 82.1
138 118.4 84.1 126.1





#49
Acenaphthylene
Concen: 46.407 ng
RT: 14.506 min Scan# 1910
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

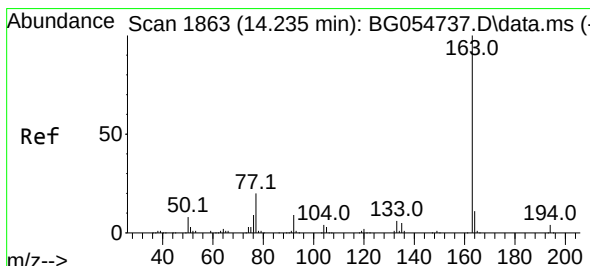
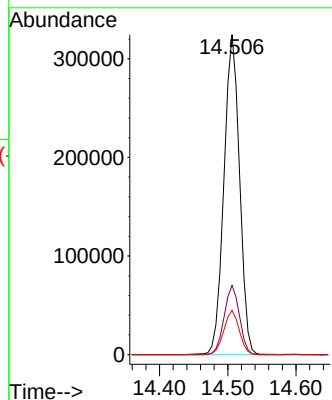
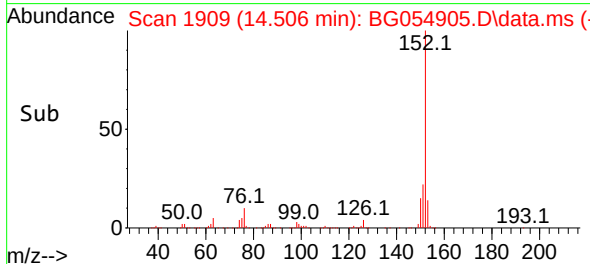
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



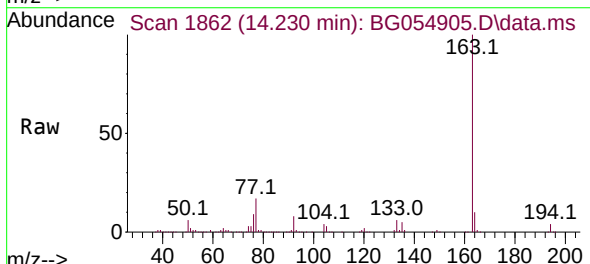
Tgt Ion:152 Resp: 512612
Ion Ratio Lower Upper
152 100
151 21.7 17.3 25.9
153 13.8 10.8 16.2

Manual Integrations
APPROVED

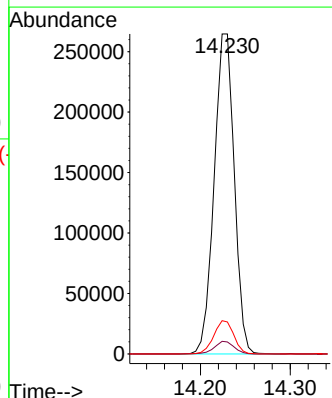
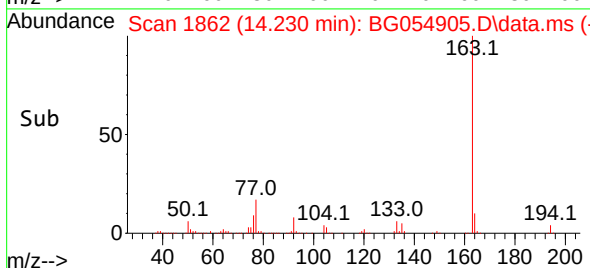
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

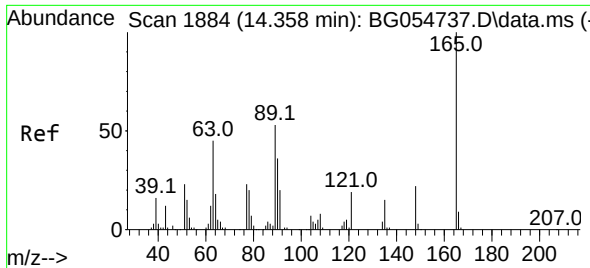


#50
Dimethylphthalate
Concen: 45.051 ng
RT: 14.230 min Scan# 1862
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:163 Resp: 411944
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.0 8.0 12.0





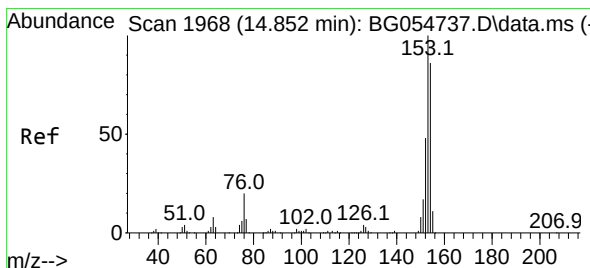
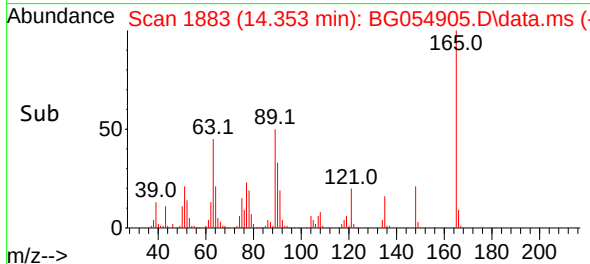
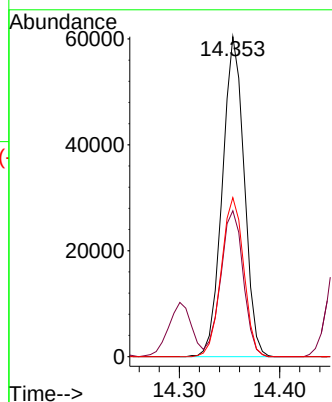
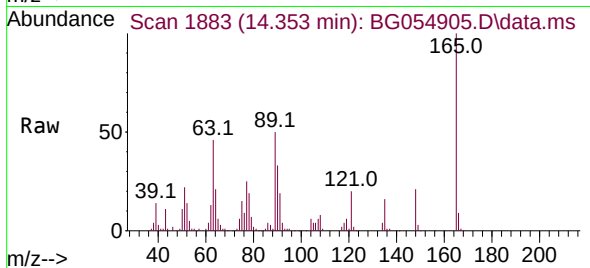
#51
2,6-Dinitrotoluene
Concen: 48.874 ng
RT: 14.353 min Scan# 1884
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD

Tgt Ion:165 Resp: 91408
Ion Ratio Lower Upper
165 100
63 45.6 46.0 69.0
89 49.7 50.3 75.5

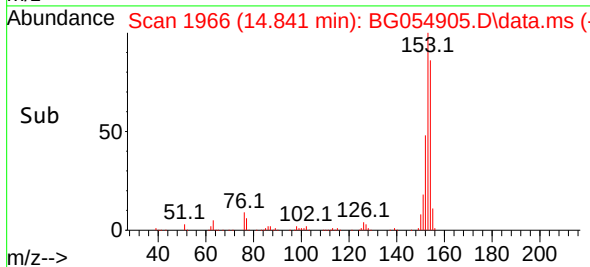
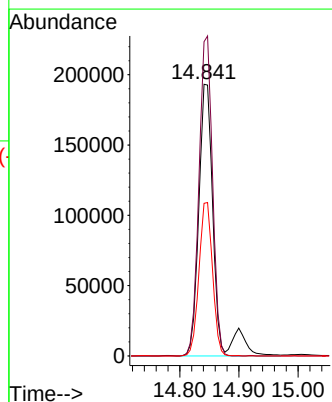
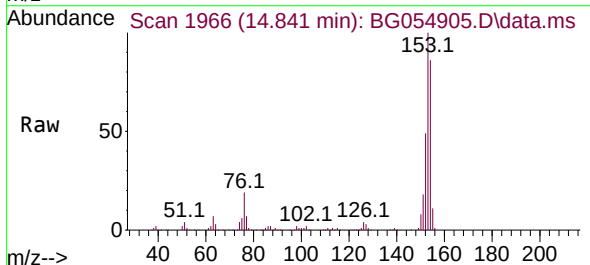
Manual Integrations
APPROVED

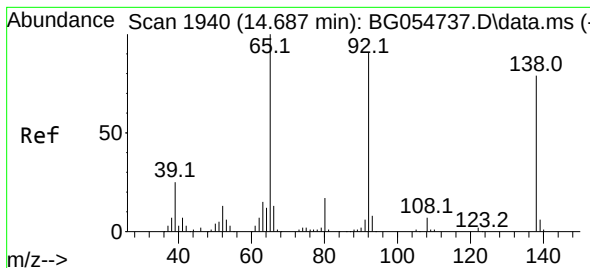
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#52
Acenaphthene
Concen: 48.223 ng m
RT: 14.841 min Scan# 1966
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

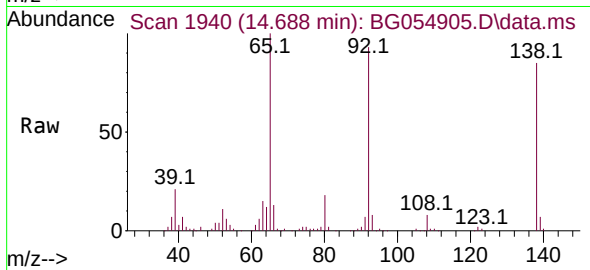
Tgt Ion:154 Resp: 342158
Ion Ratio Lower Upper
154 100
153 115.7 92.8 139.2
152 56.2 45.4 68.2





#53
3-Nitroaniline
Concen: 37.427 ng
RT: 14.688 min Scan# 1940
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

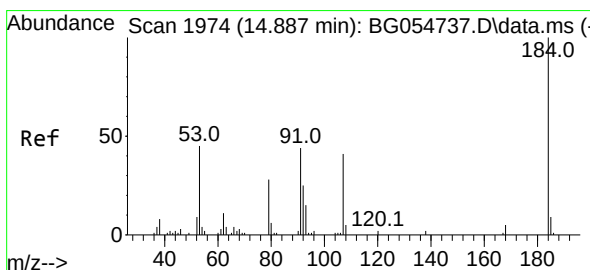
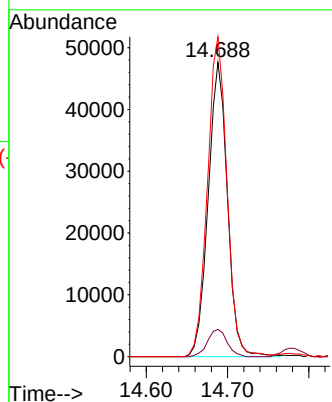
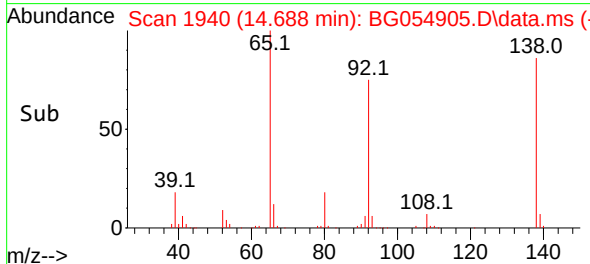
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



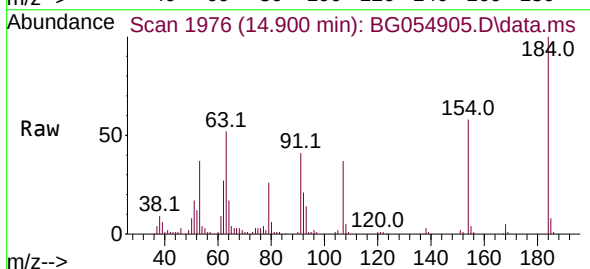
Tgt Ion:138 Resp: 78360
Ion Ratio Lower Upper
138 100
108 9.3 7.6 11.4
92 108.7 96.0 144.0

Manual Integrations
APPROVED

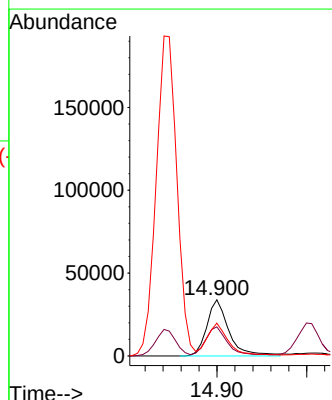
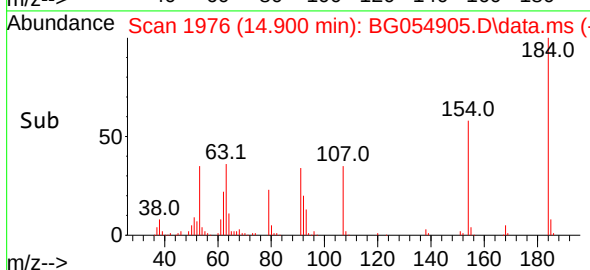
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

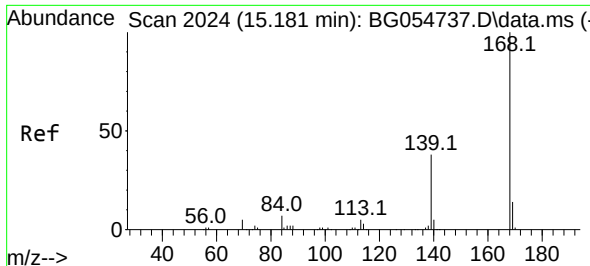


#54
2,4-Dinitrophenol
Concen: 56.535 ng
RT: 14.900 min Scan# 1976
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



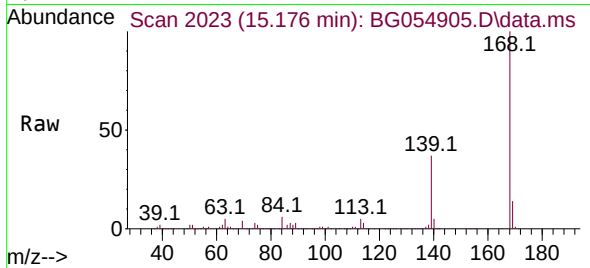
Tgt Ion:184 Resp: 57410
Ion Ratio Lower Upper
184 100
63 51.7 41.8 62.8
154 58.5 45.2 67.8





#55
Dibenzofuran
Concen: 46.951 ng
RT: 15.176 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

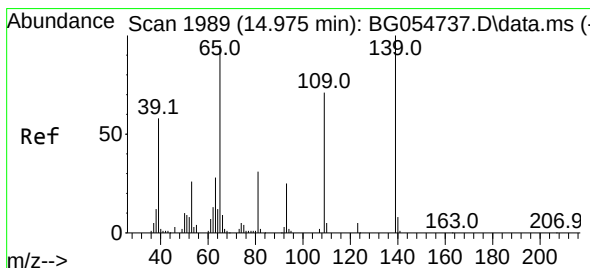
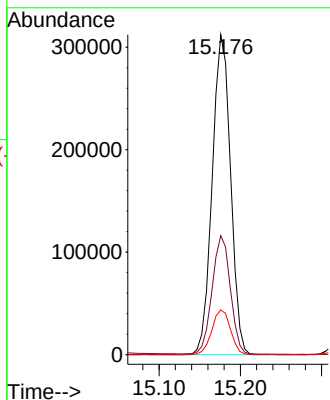
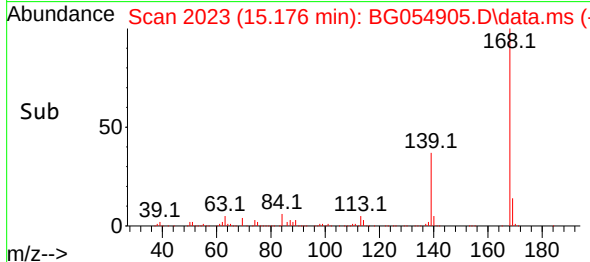
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:168 Resp: 489513
Ion Ratio Lower Upper
168 100
139 37.2 30.2 45.2
169 14.0 11.3 16.9

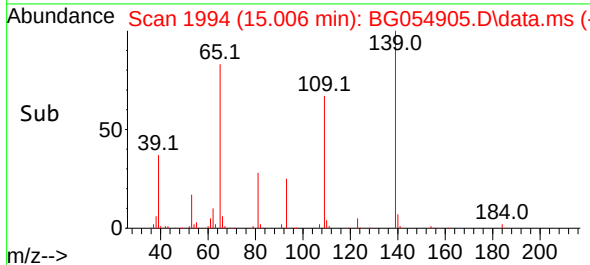
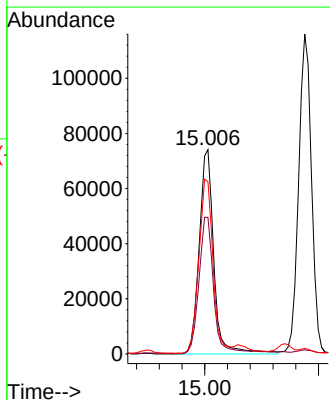
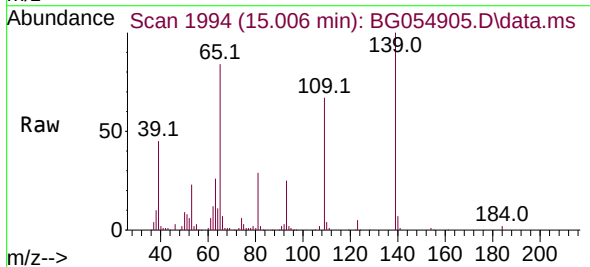
Manual Integrations
APPROVED

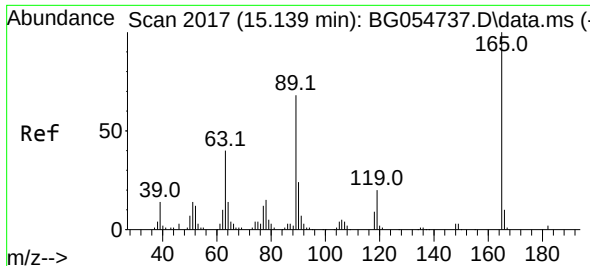
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#56
4-Nitrophenol
Concen: 81.228 ng
RT: 15.006 min Scan# 1994
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Tgt Ion:139 Resp: 131608
Ion Ratio Lower Upper
139 100
109 66.9 50.5 90.5
65 84.2 79.9 119.9





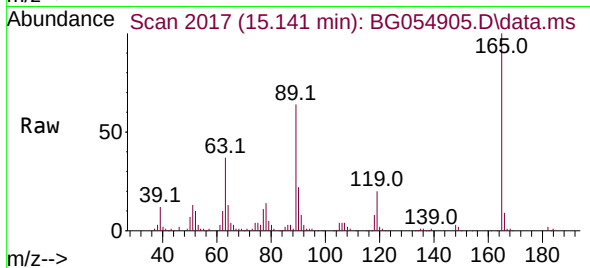
#57
2,4-Dinitrotoluene
Concen: 49.761 ng
RT: 15.141 min Scan# 2017
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD



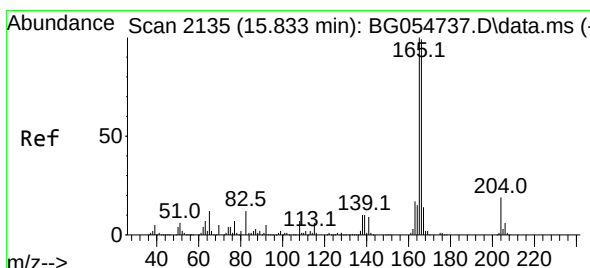
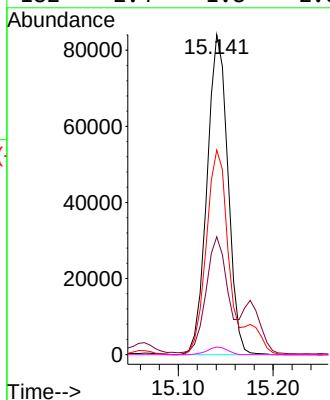
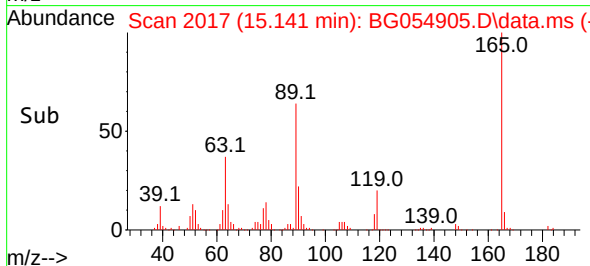
Tgt Ion:165 Resp: 128729
Ion Ratio Lower Upper
165 100
63 36.8 36.8 55.2
89 63.9 64.3 96.5
182 2.4 1.8 2.6

Manual Integrations

APPROVED

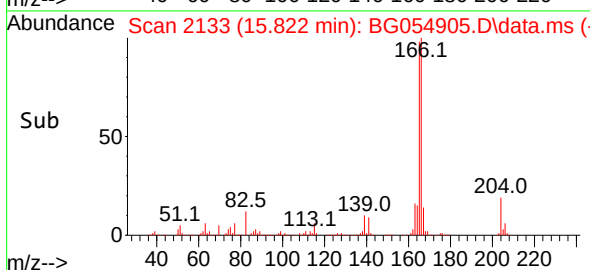
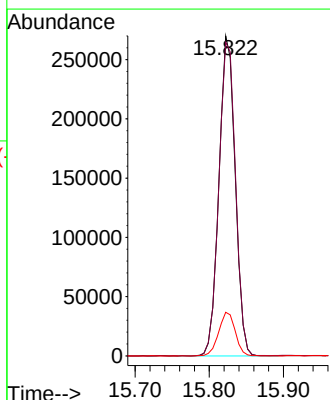
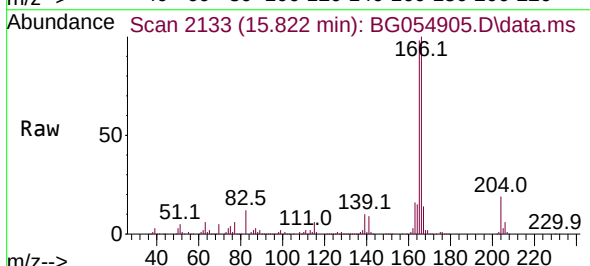
Reviewed By :Christian Giraldo 09/12/2022

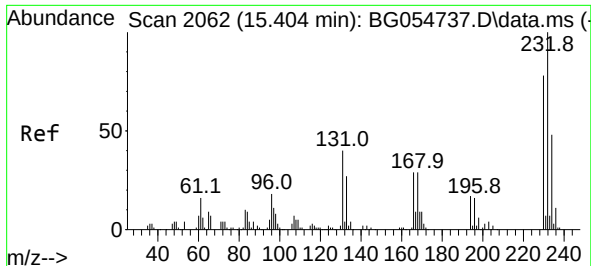
Supervised By :Jagrut Upadhyay 09/12/2022



#58
Fluorene
Concen: 46.797 ng
RT: 15.822 min Scan# 2133
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

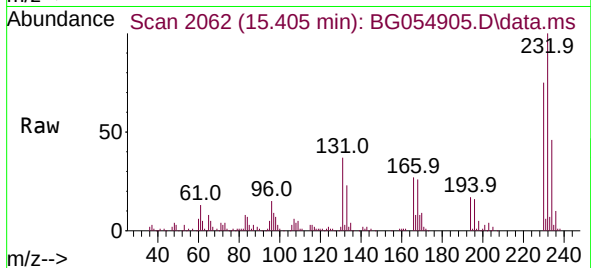
Tgt Ion:166 Resp: 411036
Ion Ratio Lower Upper
166 100
165 98.0 80.8 121.2
167 13.6 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.011 ng
RT: 15.405 min Scan# 2062
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

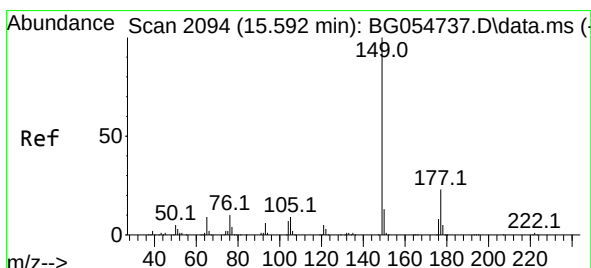
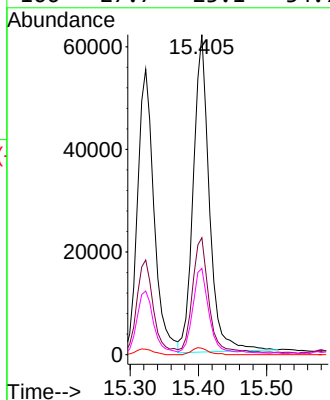
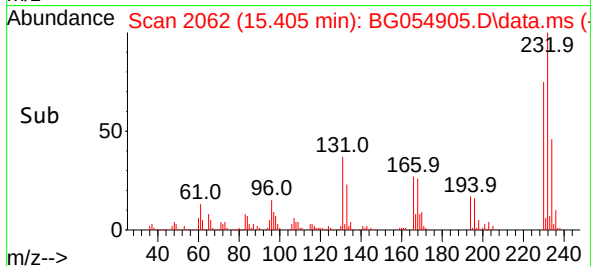
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



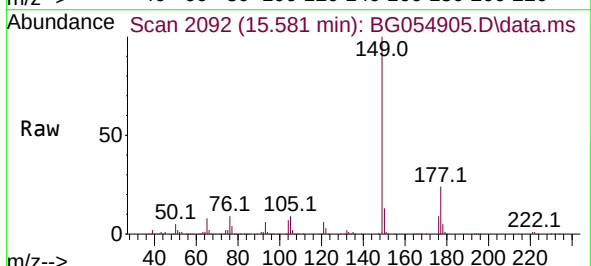
Tgt Ion:232 Resp: 100998
Ion Ratio Lower Upper
232 100
131 39.5 31.3 46.9
130 2.2 1.8 2.6
166 27.7 23.1 34.7

Manual Integrations
APPROVED

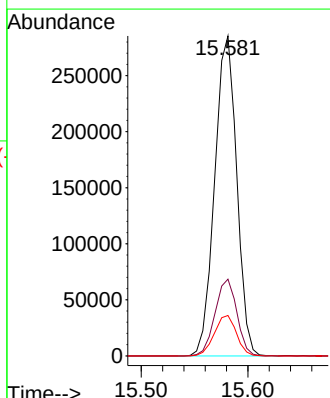
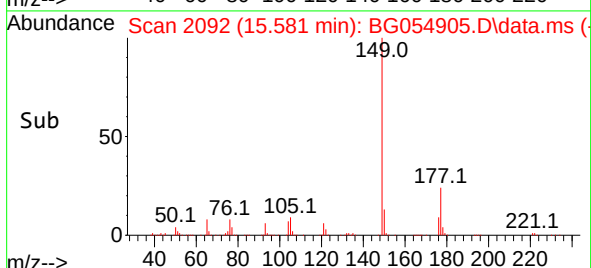
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

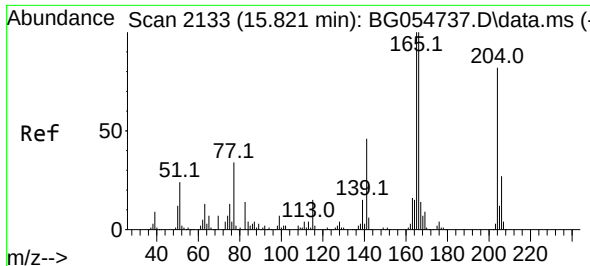


#60
Diethylphthalate
Concen: 44.970 ng
RT: 15.581 min Scan# 2092
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:149 Resp: 410611
Ion Ratio Lower Upper
149 100
177 24.0 17.8 26.6
150 12.6 10.1 15.1





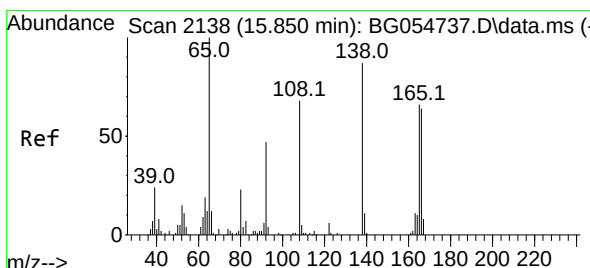
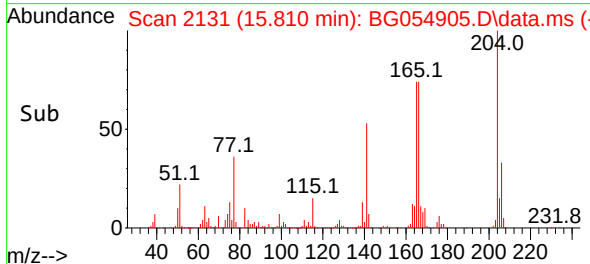
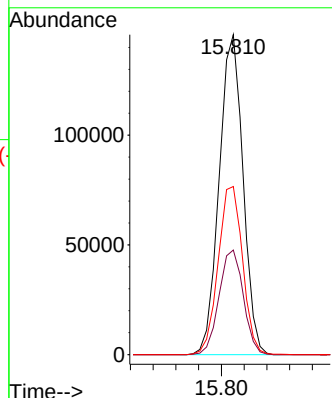
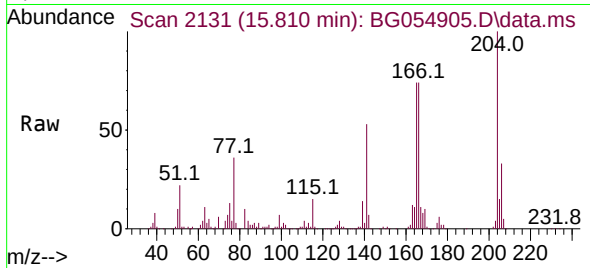
#61
4-Chlorophenyl-phenylether
Concen: 48.903 ng
RT: 15.810 min Scan# 21189
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD

Tgt Ion:204 Resp: 21189
Ion Ratio Lower Upper
204 100
206 32.7 26.6 39.8
141 52.5 44.9 67.3

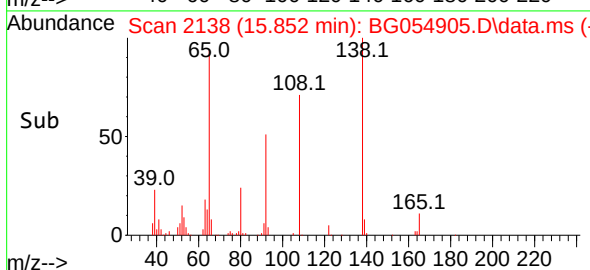
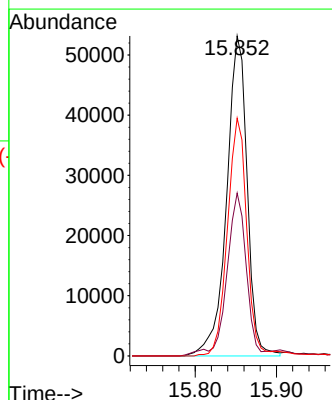
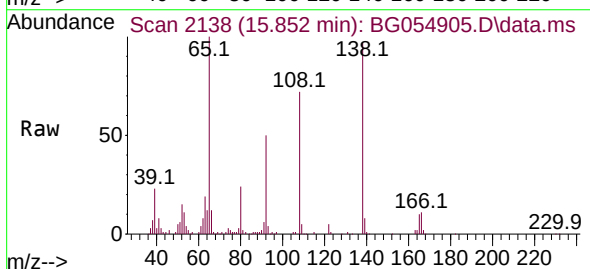
Manual Integrations
APPROVED

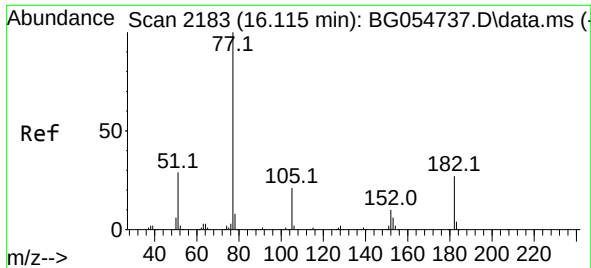
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#62
4-Nitroaniline
Concen: 43.639 ng
RT: 15.852 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

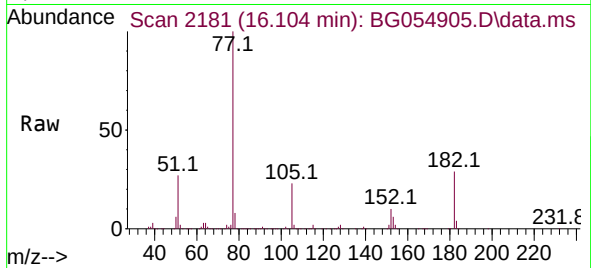
Tgt Ion:138 Resp: 93282
Ion Ratio Lower Upper
138 100
92 50.9 34.7 74.7
108 74.3 56.2 96.2





#63
Azobenzene
Concen: 41.265 ng
RT: 16.104 min Scan# 2183
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

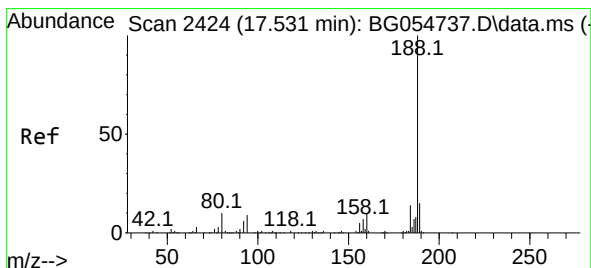
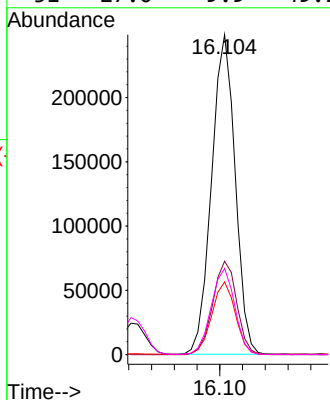
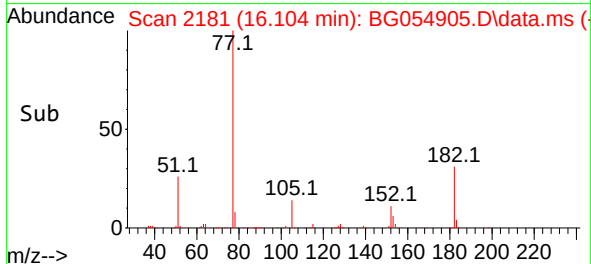
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



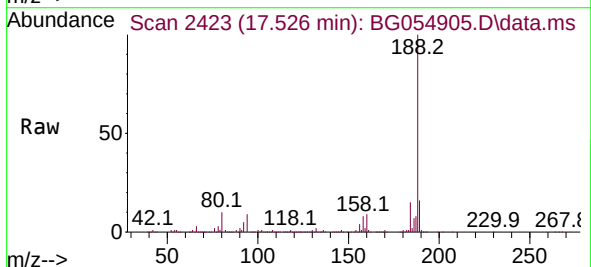
Tgt Ion: 77 Resp: 35808
Ion Ratio Lower Upper
77 100
182 29.2 5.1 45.1
105 22.7 0.7 40.7
51 27.0 9.9 49.9

Manual Integrations
APPROVED

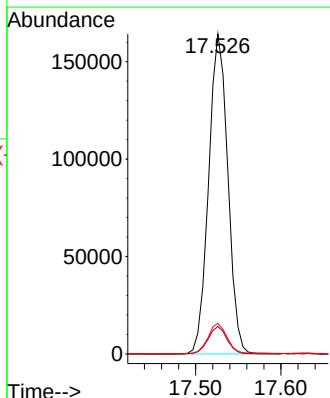
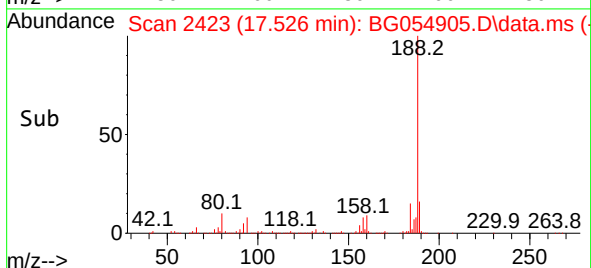
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

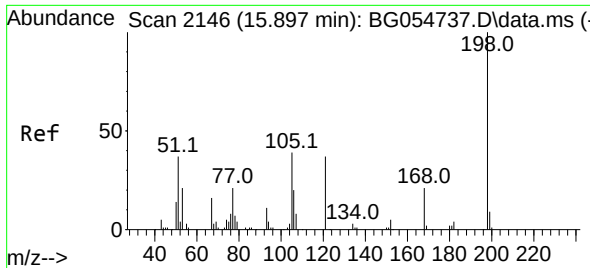


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.526 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



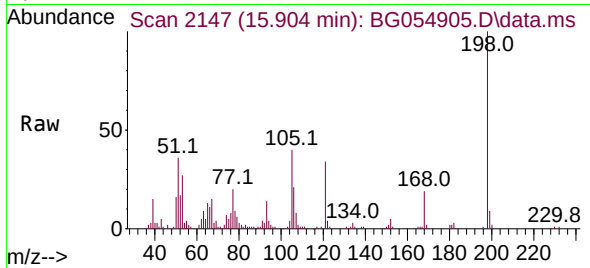
Tgt Ion:188 Resp: 256552
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.5 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 41.307 ng
RT: 15.904 min Scan# 2146
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

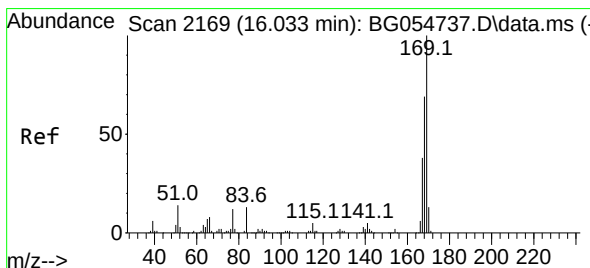
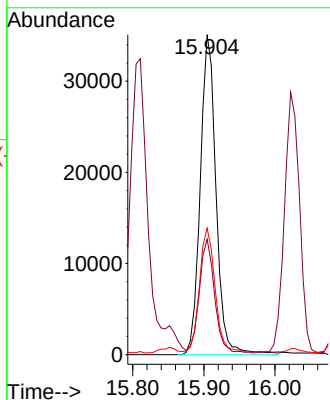
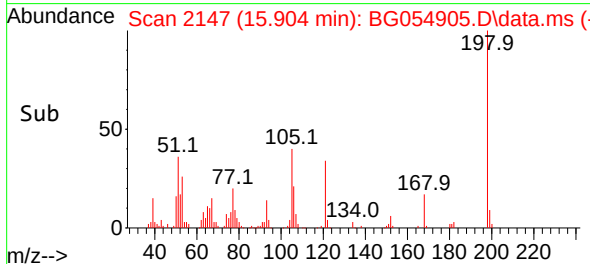
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



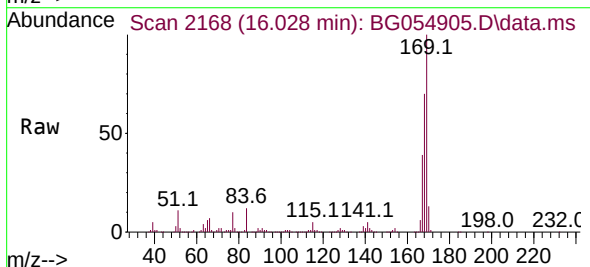
Tgt Ion:198 Resp: 53944
Ion Ratio Lower Upper
198 100
51 36.0 19.9 59.9
105 39.5 20.3 60.3

Manual Integrations
APPROVED

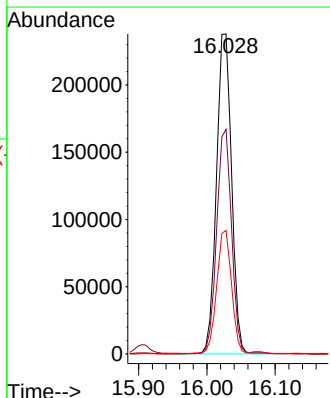
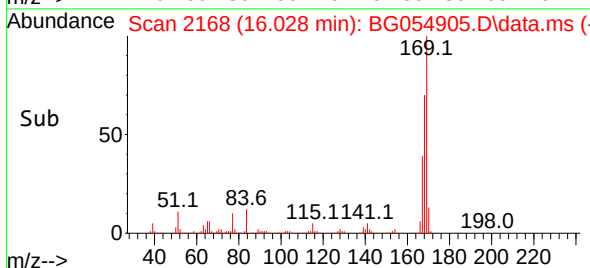
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

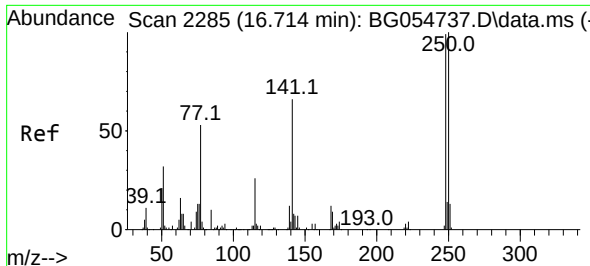


#66
n-Nitrosodiphenylamine
Concen: 49.157 ng
RT: 16.028 min Scan# 2168
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:169 Resp: 363687
Ion Ratio Lower Upper
169 100
168 70.2 55.6 83.4
167 38.6 30.9 46.3





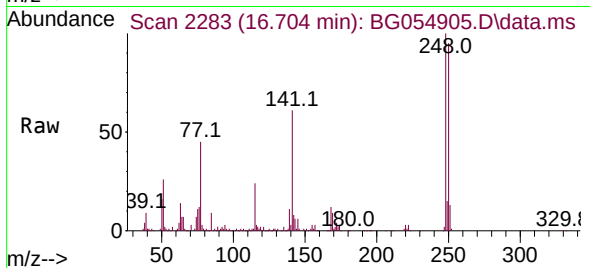
#67
4-Bromophenyl-phenylether
Concen: 52.457 ng
RT: 16.704 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

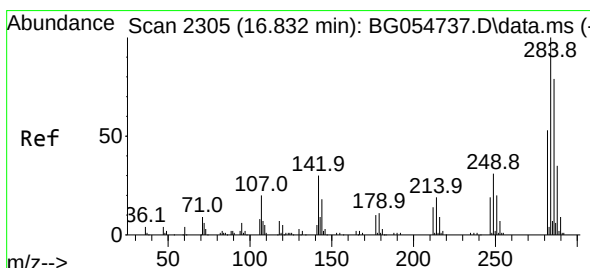
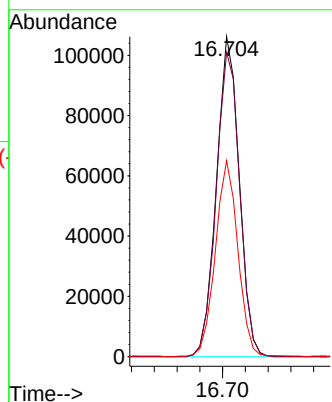
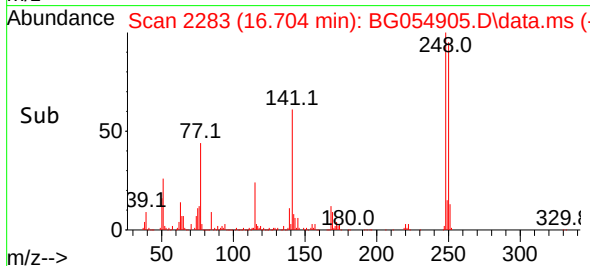


Tgt Ion:248 Resp: 147758
Ion Ratio Lower Upper
248 100
250 95.1 78.8 118.2
141 61.2 51.9 77.9

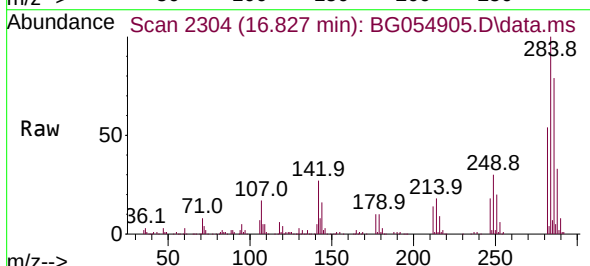
Manual Integrations

APPROVED

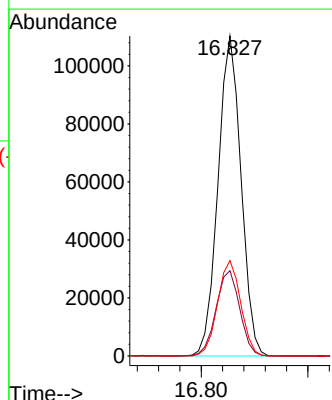
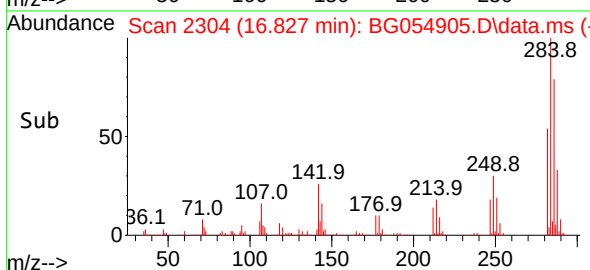
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

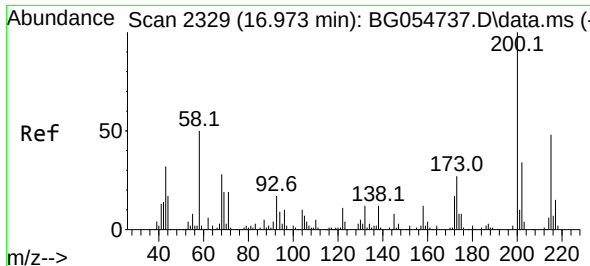


#68
Hexachlorobenzene
Concen: 52.251 ng
RT: 16.827 min Scan# 2304
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:284 Resp: 165452
Ion Ratio Lower Upper
284 100
142 26.6 25.0 37.6
249 29.8 24.5 36.7





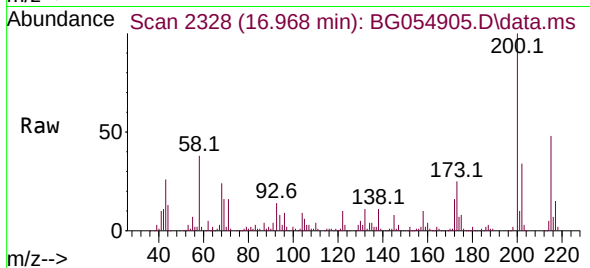
#69
 Atrazine
 Concen: 53.935 ng
 RT: 16.968 min Scan# 2328
 Delta R.T. -0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

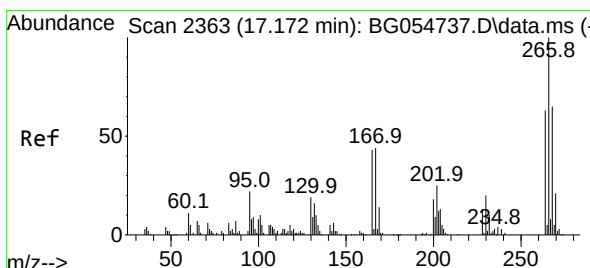
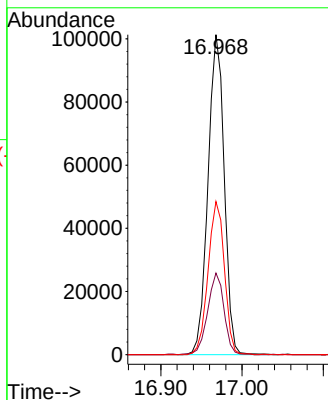
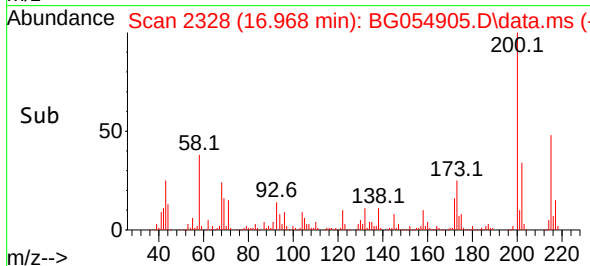


Tgt Ion:200 Resp: 140772
 Ion Ratio Lower Upper
 200 100
 173 25.5 5.6 45.6
 215 47.8 28.2 68.2

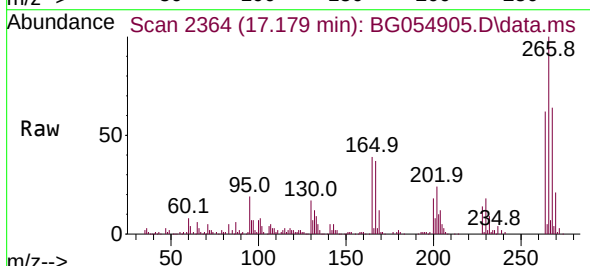
Manual Integrations

APPROVED

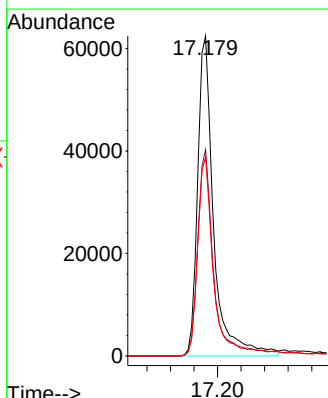
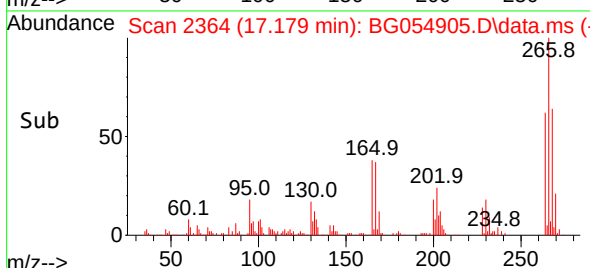
Reviewed By :Christian Giraldo 09/12/2022
 Supervised By :Jagrut Upadhyay 09/12/2022

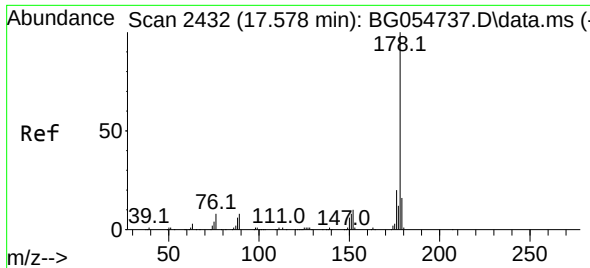


#70
 Pentachlorophenol
 Concen: 68.600 ng
 RT: 17.179 min Scan# 2364
 Delta R.T. -0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32



Tgt Ion:266 Resp: 118023
 Ion Ratio Lower Upper
 266 100
 268 64.4 51.2 76.8
 264 62.0 49.4 74.0





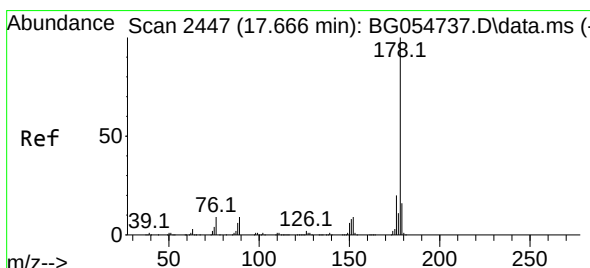
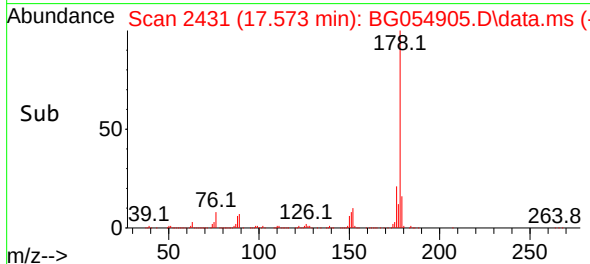
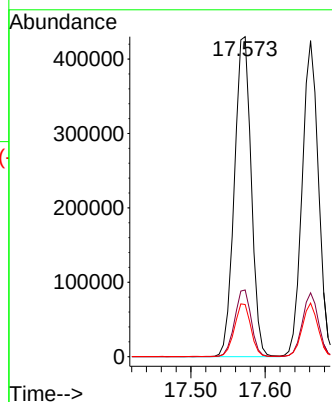
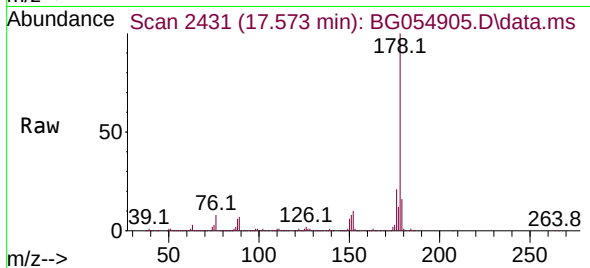
#71
Phenanthrene
Concen: 49.449 ng
RT: 17.573 min Scan# 2432
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD

Tgt Ion:178 Resp: 675799
Ion Ratio Lower Upper
178 100
176 20.8 16.6 25.0
179 16.3 12.8 19.2

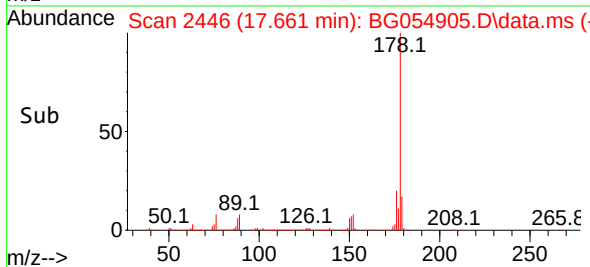
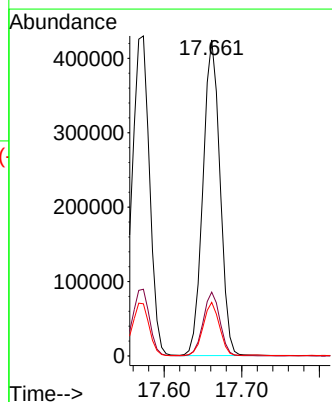
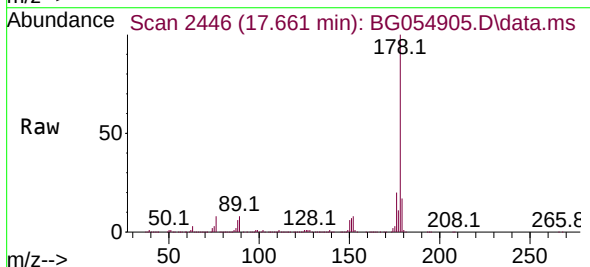
Manual Integrations
APPROVED

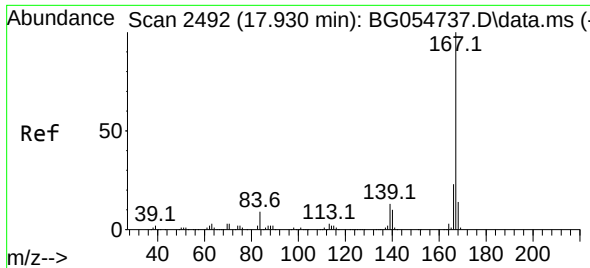
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#72
Anthracene
Concen: 48.748 ng
RT: 17.661 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

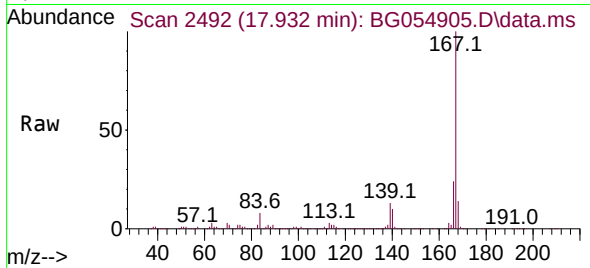
Tgt Ion:178 Resp: 647725
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 17.0 12.9 19.3





#73
 Carbazole
 Concen: 47.506 ng
 RT: 17.932 min Scan# 2492
 Delta R.T. -0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32

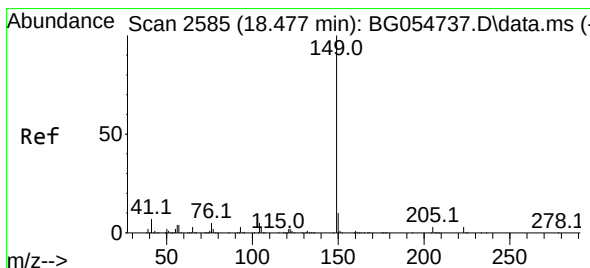
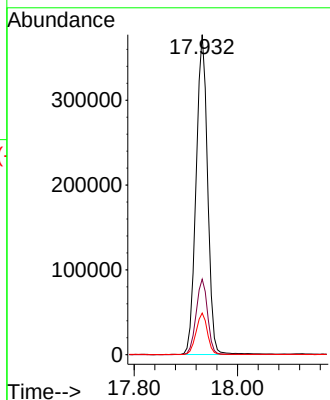
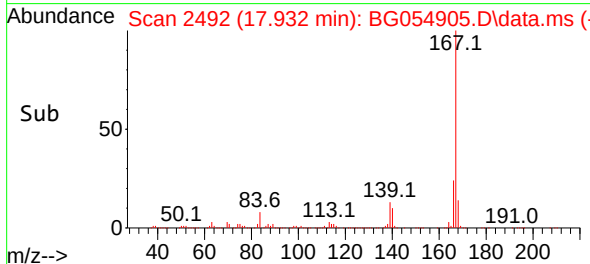
Instrument :
 BNA_G
 ClientSampleId :
 HR-SOIL-0908MSD



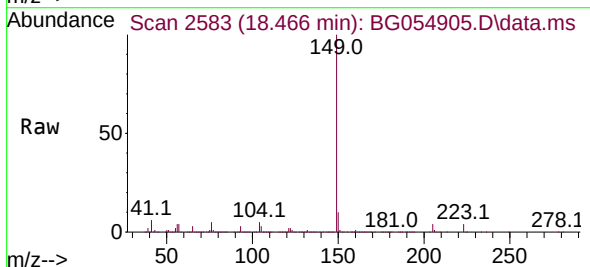
Tgt Ion:167 Resp: 581568
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.8 28.2
 139 13.0 10.2 15.4

Manual Integrations
 APPROVED

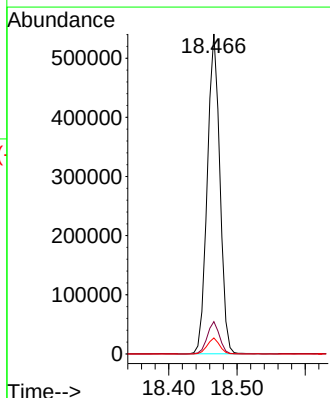
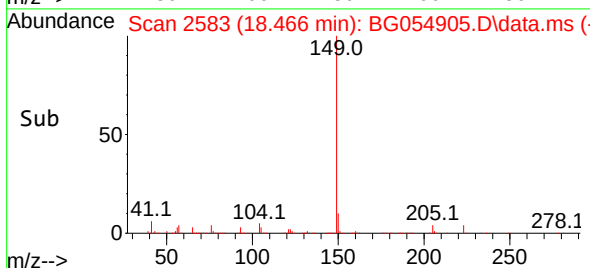
Reviewed By :Christian Giraldo 09/12/2022
 Supervised By :Jagrut Upadhyay 09/12/2022

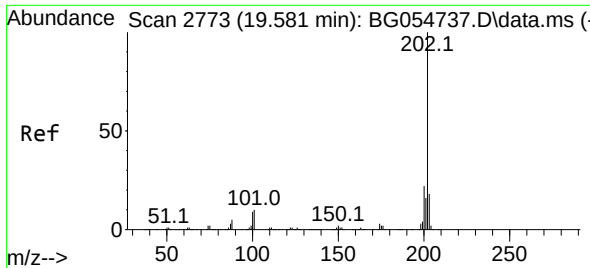


#74
 Di-n-butylphthalate
 Concen: 44.756 ng
 RT: 18.466 min Scan# 2583
 Delta R.T. -0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32



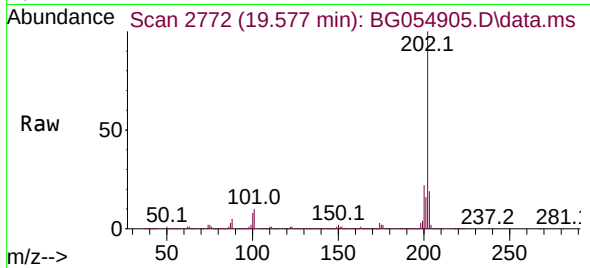
Tgt Ion:149 Resp: 693320
 Ion Ratio Lower Upper
 149 100
 150 10.1 8.0 12.0
 104 5.0 4.4 6.6





#75
Fluoranthene
Concen: 49.638 ng
RT: 19.577 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

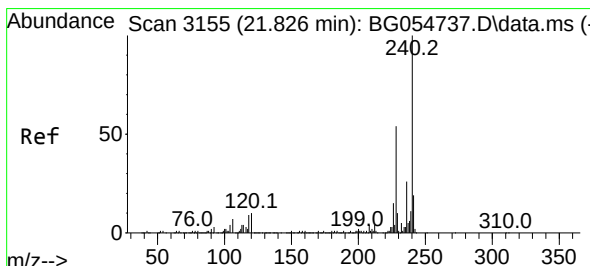
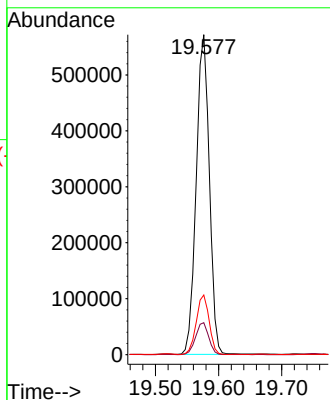
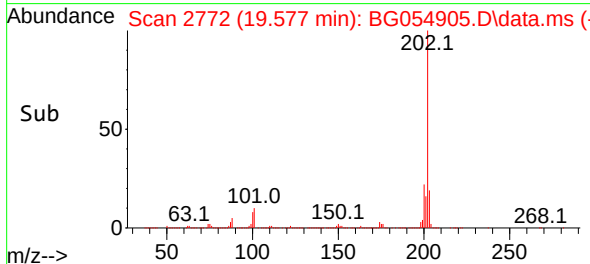
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:202 Resp: 825262
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 18.6 0.0 38.6

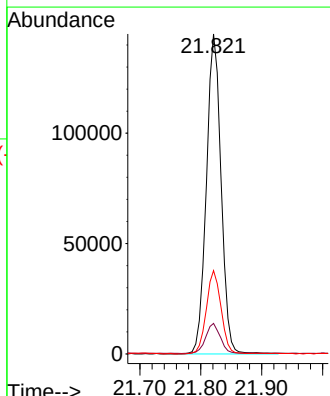
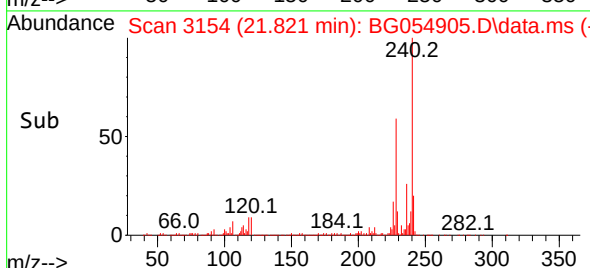
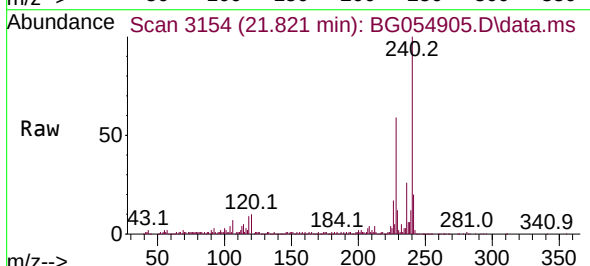
Manual Integrations
APPROVED

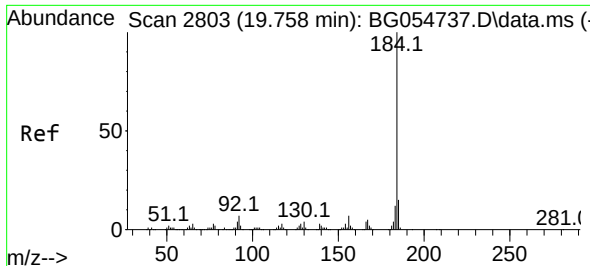
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.821 min Scan# 3154
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

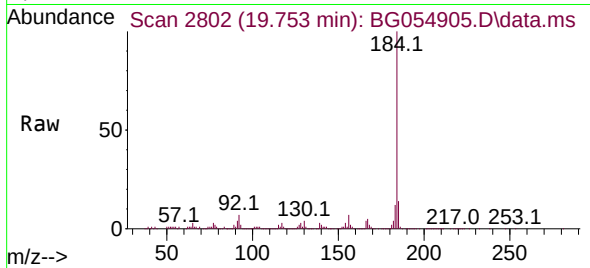
Tgt Ion:240 Resp: 242435
Ion Ratio Lower Upper
240 100
120 9.5 8.2 12.4
236 26.1 21.2 31.8





#77
Benzidine
Concen: 76.747 ng
RT: 19.753 min Scan# 2802
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

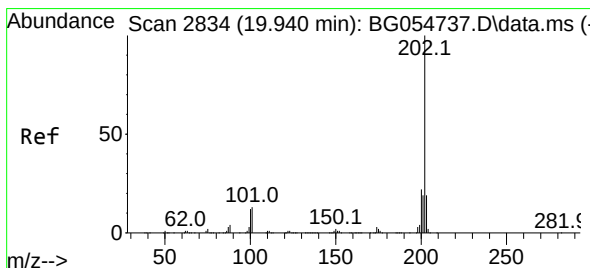
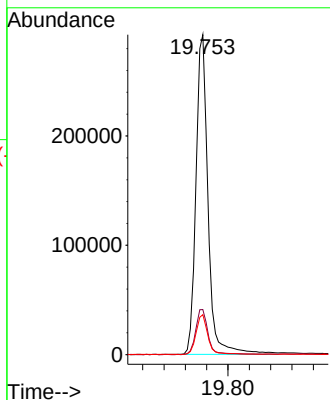
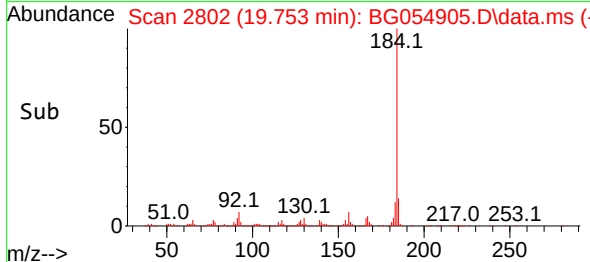
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



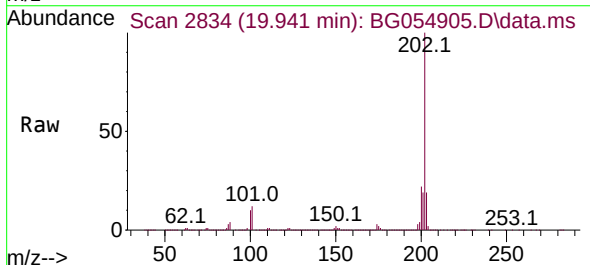
Tgt Ion:184 Resp: 460851
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 12.5 9.8 14.8

Manual Integrations
APPROVED

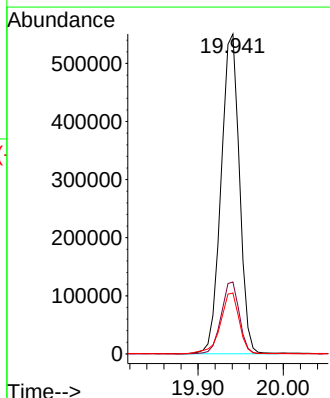
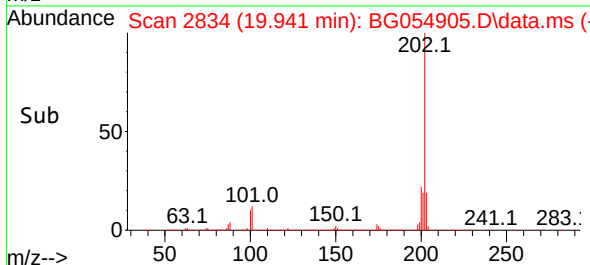
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

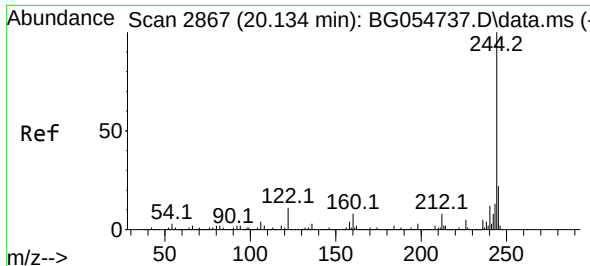


#78
Pyrene
Concen: 48.538 ng
RT: 19.941 min Scan# 2834
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



Tgt Ion:202 Resp: 820523
Ion Ratio Lower Upper
202 100
200 22.5 17.8 26.6
203 19.0 14.6 21.8





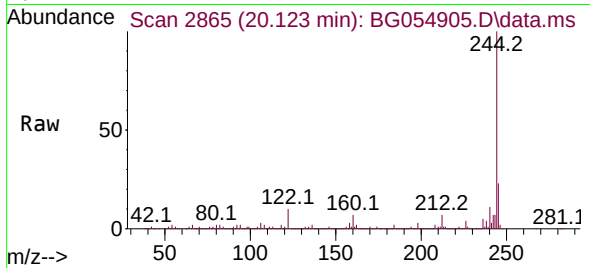
#79
 Terphenyl-d14
 Concen: 79.343 ng
 RT: 20.123 min Scan# 2865
 Delta R.T. -0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

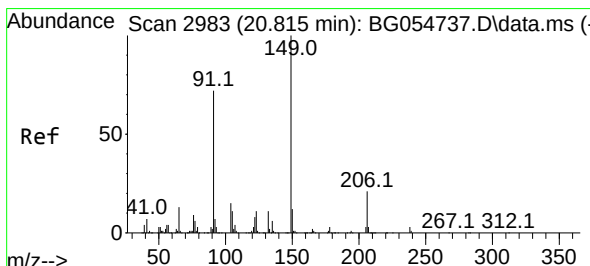
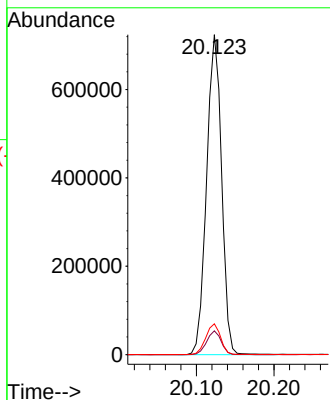
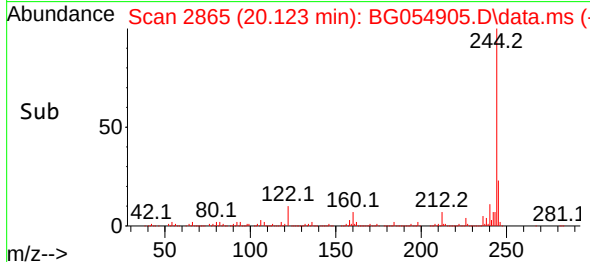


Tgt Ion:244 Resp: 970805
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 9.6 9.0 13.6

Manual Integrations

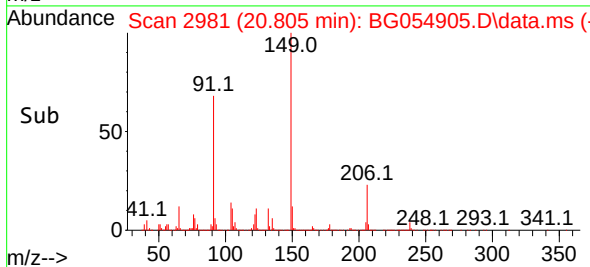
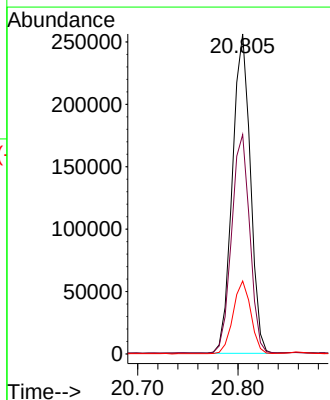
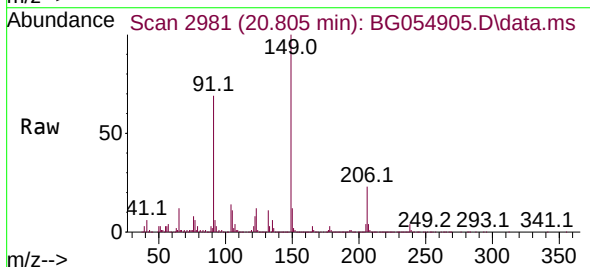
APPROVED

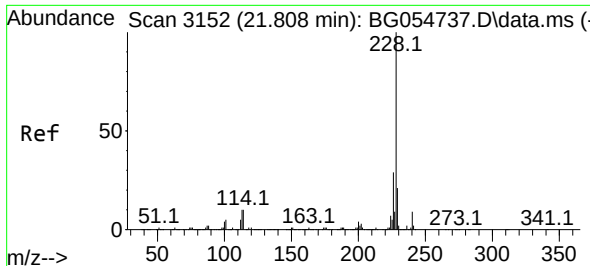
Reviewed By :Christian Giraldo 09/12/2022
 Supervised By :Jagrut Upadhyay 09/12/2022



#80
 Butylbenzylphthalate
 Concen: 45.231 ng
 RT: 20.805 min Scan# 2981
 Delta R.T. -0.003 min
 Lab File: BG054905.D
 Acq: 9 Sep 2022 20:32

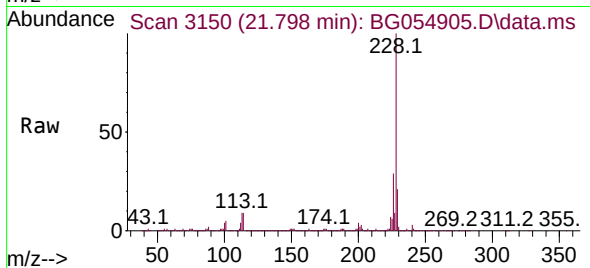
Tgt Ion:149 Resp: 318938
 Ion Ratio Lower Upper
 149 100
 91 68.5 59.5 89.3
 206 22.8 16.6 25.0





#81
Benzo(a)anthracene
Concen: 47.665 ng
RT: 21.798 min Scan# 3152
Delta R.T. -0.009 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

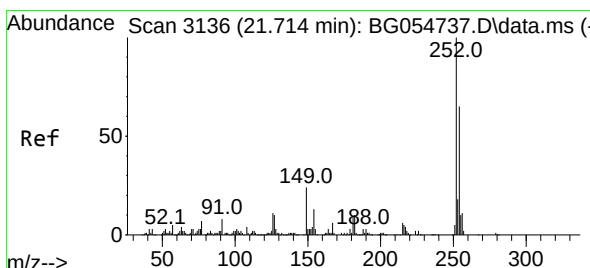
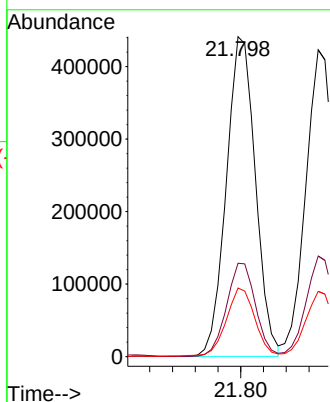
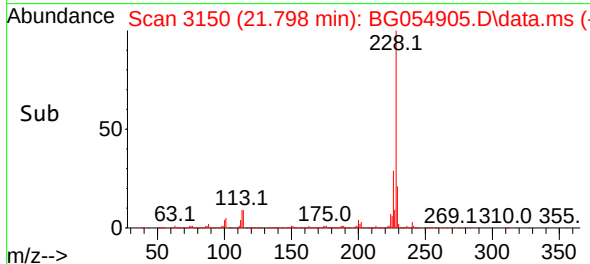
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



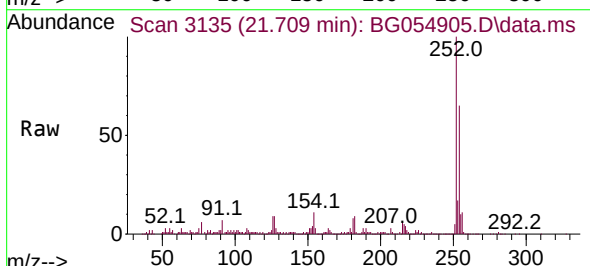
Tgt Ion:228 Resp: 783512
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 21.4 16.5 24.7

Manual Integrations
APPROVED

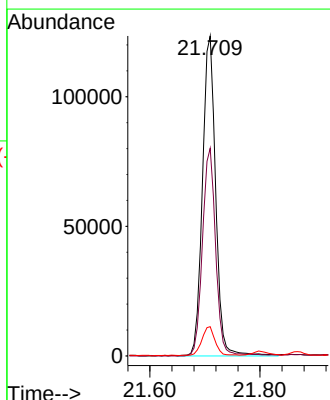
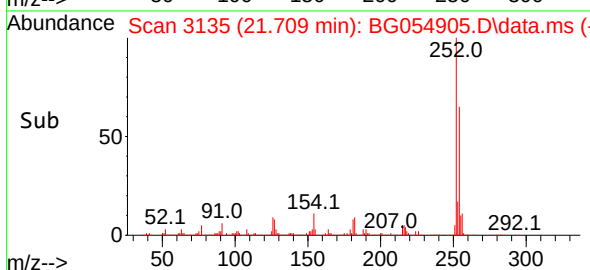
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022

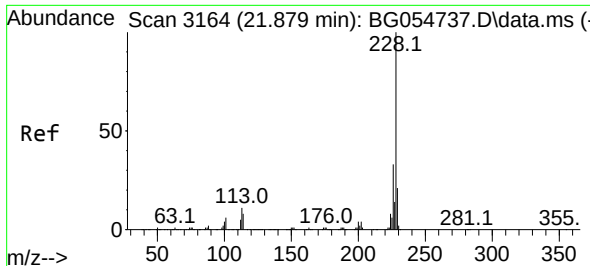


#82
3,3'-Dichlorobenzidine
Concen: 35.627 ng
RT: 21.709 min Scan# 3135
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32



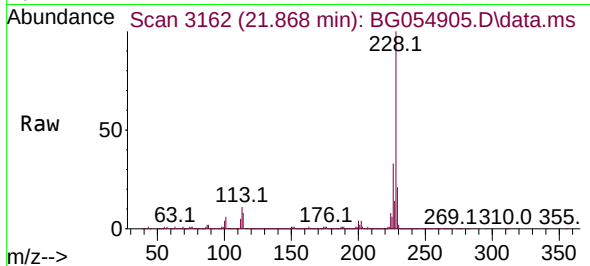
Tgt Ion:252 Resp: 205325
Ion Ratio Lower Upper
252 100
254 64.9 51.4 77.2
126 9.1 8.2 12.2





#83
Chrysene
Concen: 46.865 ng
RT: 21.868 min Scan# 3162
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

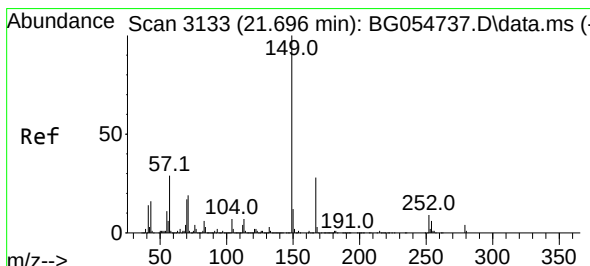
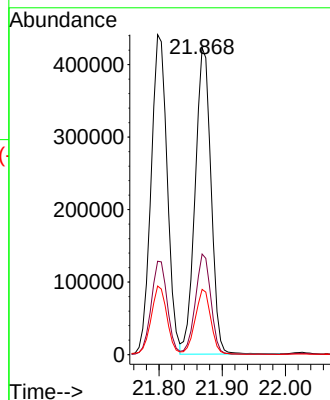
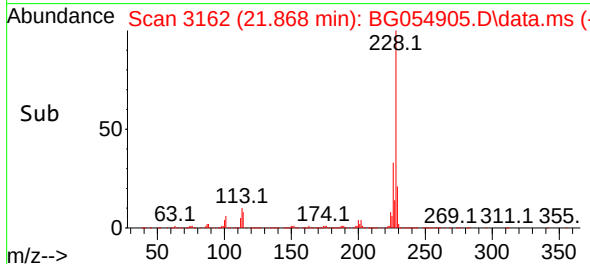
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:228 Resp: 736568
Ion Ratio Lower Upper
228 100
226 32.8 25.5 38.3
229 21.3 16.8 25.2

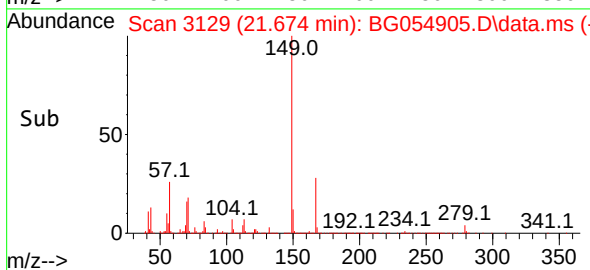
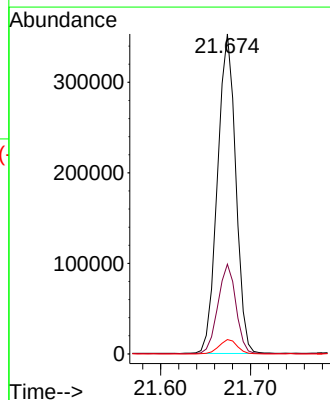
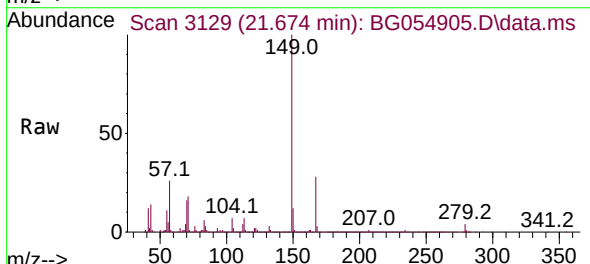
Manual Integrations
APPROVED

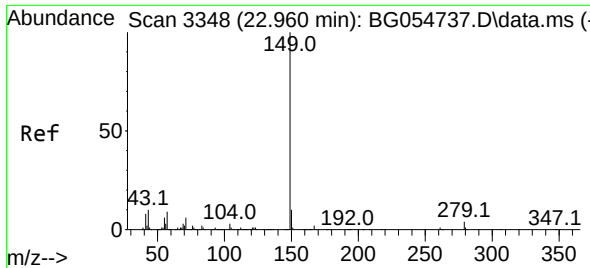
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.041 ng
RT: 21.674 min Scan# 3129
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

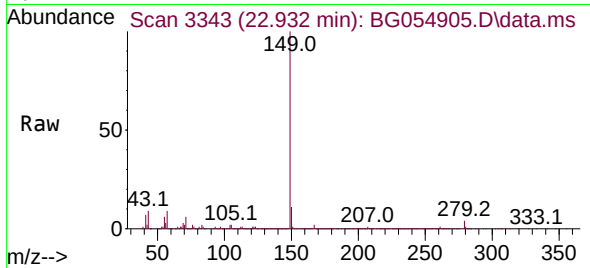
Tgt Ion:149 Resp: 498213
Ion Ratio Lower Upper
149 100
167 28.0 21.4 32.0
279 4.5 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 44.446 ng
RT: 22.932 min Scan# 3348
Delta R.T. -0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

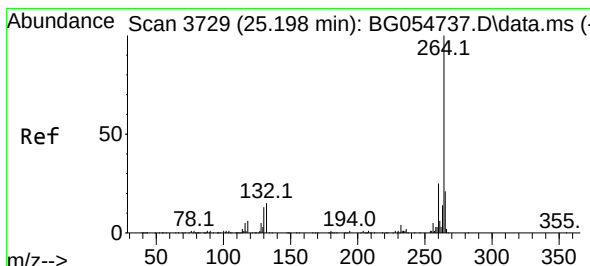
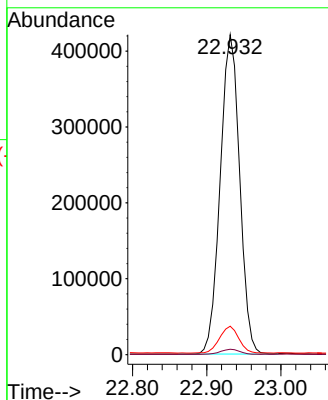
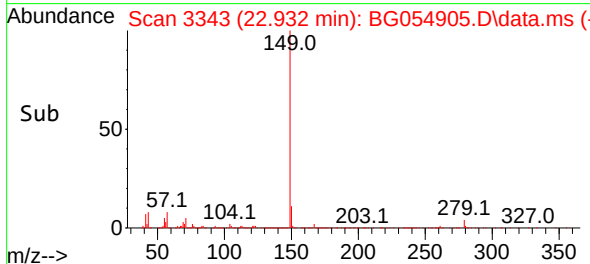
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:149 Resp: 765732
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.3 9.0 13.6

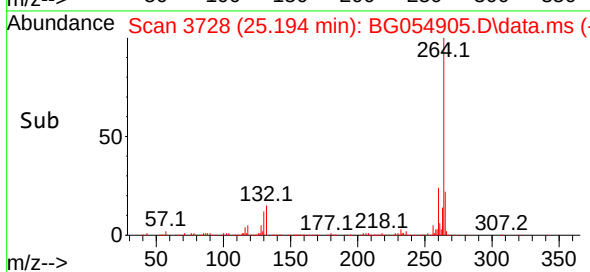
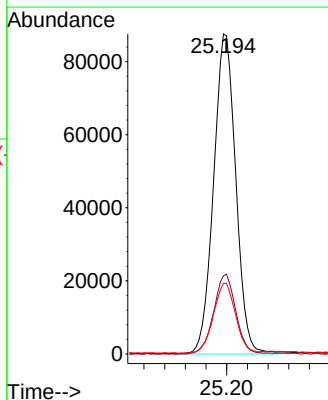
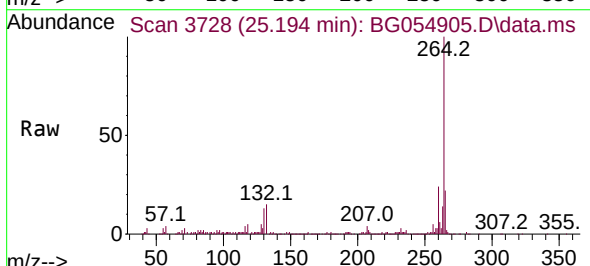
Manual Integrations
APPROVED

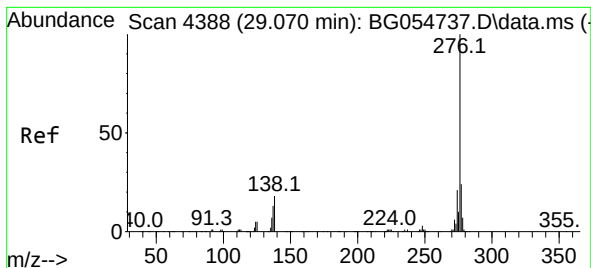
Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3728
Delta R.T. -0.009 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Tgt Ion:264 Resp: 261562
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 22.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.375 ng

RT: 29.101 min Scan# 4388

Delta R.T. -0.009 min

Lab File: BG054905.D

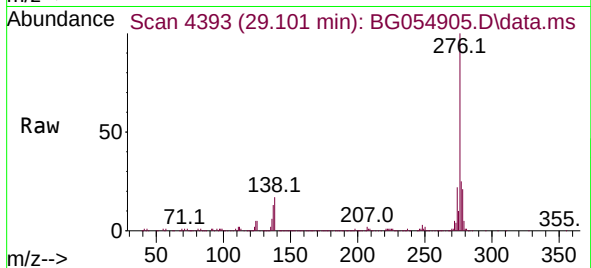
Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD



Tgt Ion:276 Resp: 940721

Ion Ratio Lower Upper

276 100

138 21.1 12.0 18.0

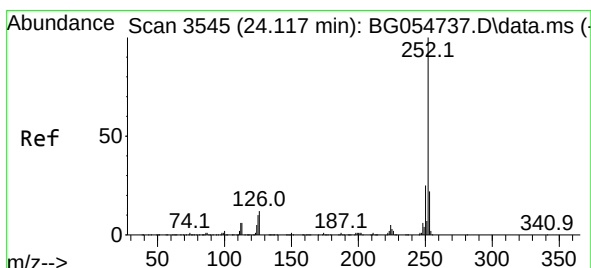
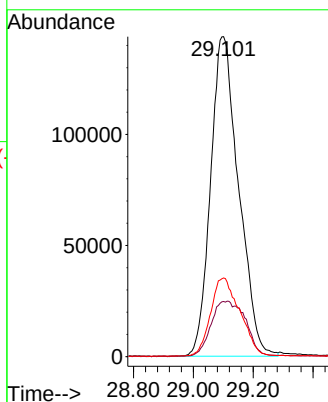
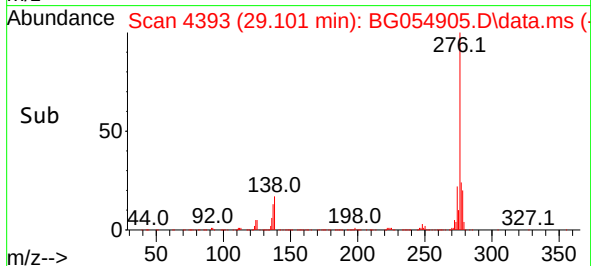
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/12/2022

Supervised By :Jagrut Upadhyay 09/12/2022



#88

Benzo(b)fluoranthene

Concen: 50.702 ng

RT: 24.118 min Scan# 3545

Delta R.T. -0.003 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

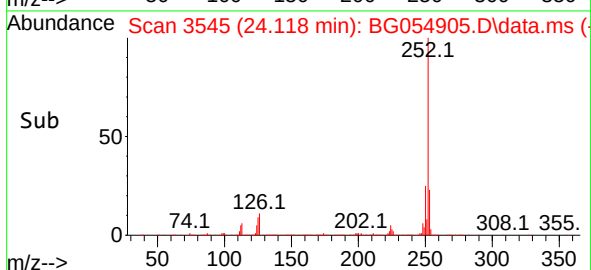
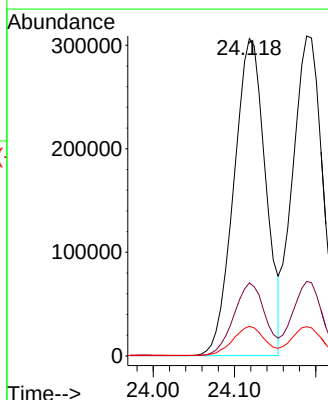
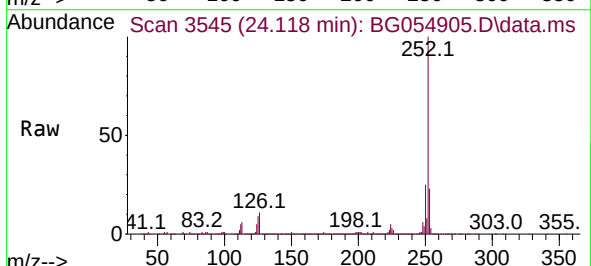
Tgt Ion:252 Resp: 831921

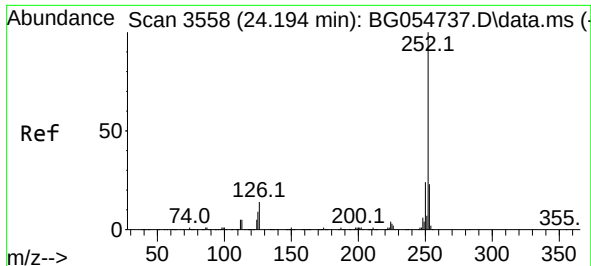
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 9.3 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 47.743 ng

RT: 24.189 min Scan# 3557

Delta R.T. -0.003 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

Instrument :

BNA_G

ClientSampleId :

HR-SOIL-0908MSD

Tgt Ion:252 Resp: 788384

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

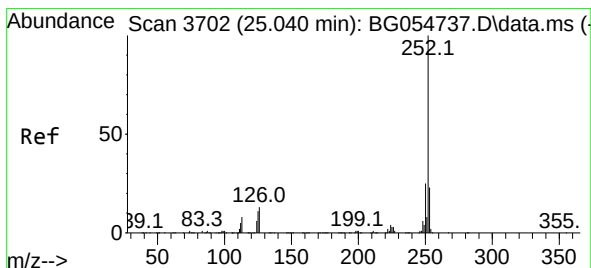
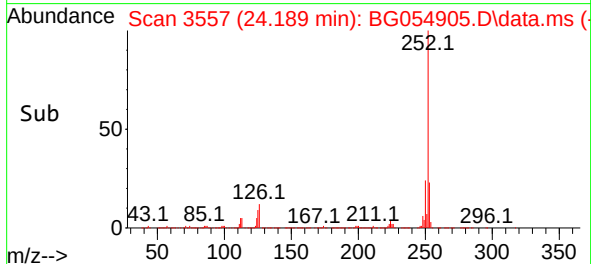
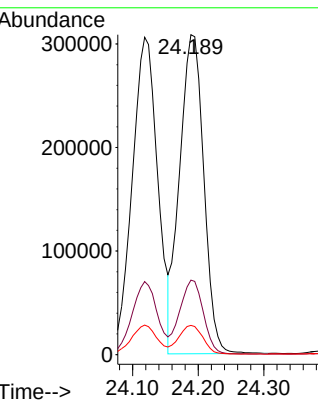
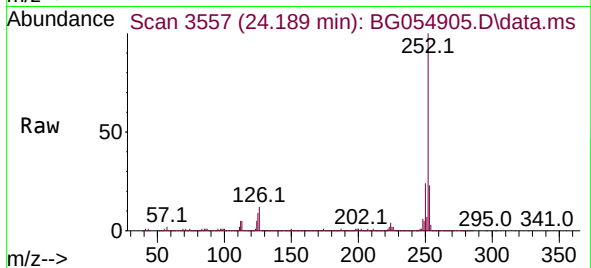
125 9.1 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/12/2022

Supervised By :Jagrut Upadhyay 09/12/2022



#90

Benzo(a)pyrene

Concen: 52.550 ng

RT: 25.041 min Scan# 3702

Delta R.T. -0.009 min

Lab File: BG054905.D

Acq: 9 Sep 2022 20:32

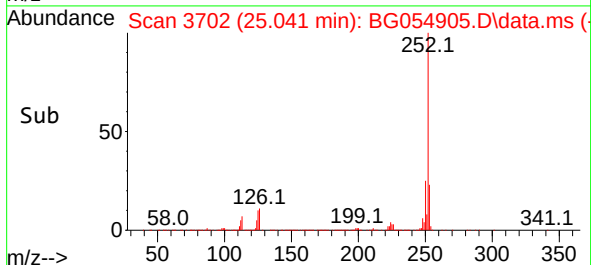
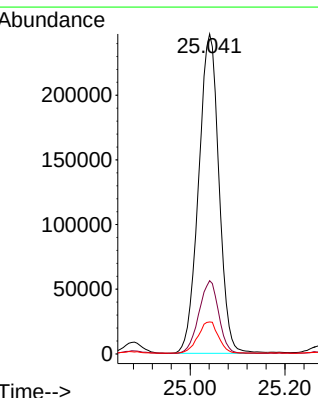
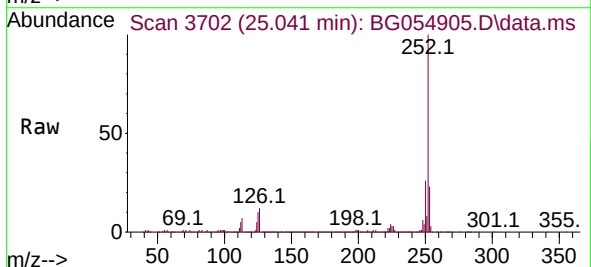
Tgt Ion:252 Resp: 736668

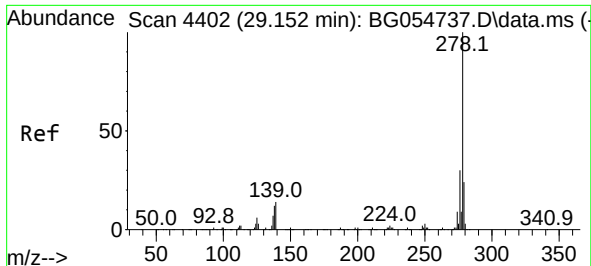
Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

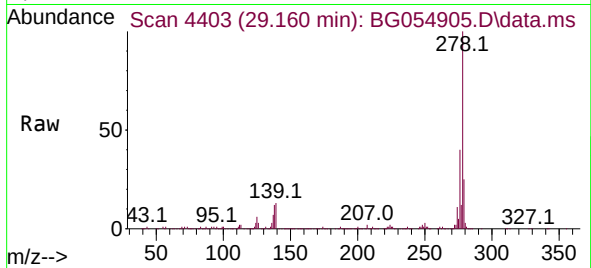
125 10.0 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 49.530 ng
RT: 29.160 min Scan# 4402
Delta R.T. -0.009 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

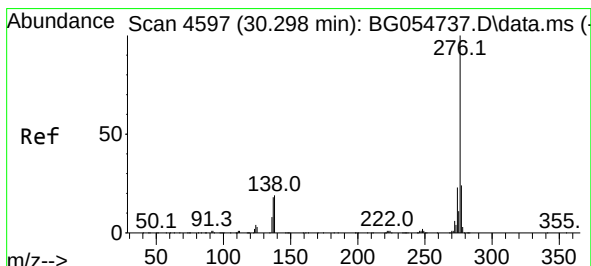
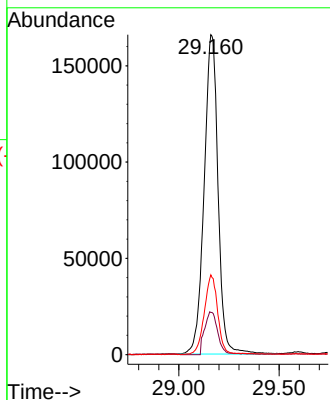
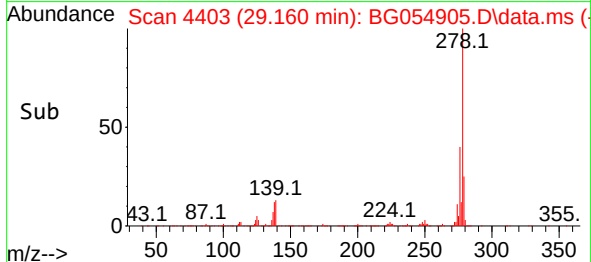
Instrument :
BNA_G
ClientSampleId :
HR-SOIL-0908MSD



Tgt Ion:278 Resp: 801266
Ion Ratio Lower Upper
278 100
139 13.2 11.4 17.2
279 24.9 19.3 28.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 09/12/2022
Supervised By :Jagrut Upadhyay 09/12/2022



#92
Benzo(g,h,i)perylene
Concen: 49.628 ng
RT: 30.329 min Scan# 4602
Delta R.T. 0.003 min
Lab File: BG054905.D
Acq: 9 Sep 2022 20:32

Tgt Ion:276 Resp: 811063
Ion Ratio Lower Upper
276 100
277 24.4 19.4 29.0
138 18.3 16.6 25.0

