

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110322\
 Data File : BG055438.D
 Acq On : 3 Nov 2022 15:12
 Operator : CG/JU
 Sample : N5273-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2022
 Supervised By : Sohil Jodhani 11/04/2022

Quant Time: Nov 03 16:10:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:05:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.234	152	28710	20.000	ng	-0.01
21) Naphthalene-d8	11.066	136	123559	20.000	ng	# 0.00
39) Acenaphthene-d10	14.856	164	88465	20.000	ng	0.00
64) Phenanthrene-d10	17.588	188	206947	20.000	ng	0.00
76) Chrysene-d12	21.860	240	199656	20.000	ng	-0.01
86) Perylene-d12	25.226	264	223326	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	191934	120.057	ng	0.00
7) Phenol-d6	7.388	99	251315	113.359	ng	0.00
23) Nitrobenzene-d5	9.415	82	150272	64.817	ng	0.00
42) 2,4,6-Tribromophenol	16.337	330	138574	114.839	ng	0.00
45) 2-Fluorobiphenyl	13.481	172	364724	61.127	ng	0.00
79) Terphenyl-d14	20.162	244	627758	61.140	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.558	88	25585	35.284	ng	97
3) Pyridine	3.981	79	67900	31.553	ng	97
4) n-Nitrosodimethylamine	3.892	42	35728	42.026	ng	95
6) Aniline	7.553	93	120120	41.775	ng	97
8) 2-Chlorophenol	7.800	128	90553	46.619	ng	99
9) Benzaldehyde	7.365	77	61800	47.415	ng	99
10) Phenol	7.412	94	115781	46.141	ng	100
11) bis(2-Chloroethyl)ether	7.641	93	78116	41.610	ng	97
12) 1,3-Dichlorobenzene	8.123	146	96474	43.819	ng	99
13) 1,4-Dichlorobenzene	8.270	146	97294	43.388	ng	99
14) 1,2-Dichlorobenzene	8.593	146	94558	44.055	ng	97
15) Benzyl Alcohol	8.475	79	80905	45.756	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.757	45	101987	40.832	ng	96
17) 2-Methylphenol	8.681	107	79129	43.827	ng	99
18) Hexachloroethane	9.327	117	32996	43.134	ng	98
19) n-Nitroso-di-n-propyla...	9.039	70	68985	39.822	ng	97
20) 3+4-Methylphenols	9.010	107	110155	42.940	ng	97
22) Acetophenone	9.063	105	136089	42.021	ng	# 99
24) Nitrobenzene	9.457	77	99614	41.212	ng	99
25) Isophorone	9.974	82	192630	41.954	ng	99
26) 2-Nitrophenol	10.173	139	53878	43.289	ng	97
27) 2,4-Dimethylphenol	10.220	122	88517	50.722	ng	95
28) bis(2-Chloroethoxy)met...	10.449	93	111077	45.419	ng	99
29) 2,4-Dichlorophenol	10.714	162	96501	45.331	ng	98
30) 1,2,4-Trichlorobenzene	10.925	180	97335	42.224	ng	99
31) Naphthalene	11.113	128	285316	41.013	ng	100
32) Benzoic acid	10.385	122	45073m	43.648	ng	
33) 4-Chloroaniline	11.219	127	92979	32.166	ng	99
34) Hexachlorobutadiene	11.390	225	59792	41.728	ng	99
35) Caprolactam	11.995	113	32366m	41.064	ng	
36) 4-Chloro-3-methylphenol	12.330	107	103228	44.286	ng	99
37) 2-Methylnaphthalene	12.700	142	211335	41.357	ng	98
38) 1-Methylnaphthalene	12.917	142	198600	39.847	ng	99
40) 1,2,4,5-Tetrachloroben...	13.064	216	114272	43.728	ng	99
41) Hexachlorocyclopentadiene	13.035	237	124454	98.187	ng	94
43) 2,4,6-Trichlorophenol	13.299	196	80813	44.407	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.381	196	88250	43.536	ng	98
46) 1,1'-Biphenyl	13.693	154	287663	44.191	ng	100
47) 2-Chloronaphthalene	13.740	162	223826	42.791	ng	99
48) 2-Nitroaniline	13.939	65	67782	42.190	ng	98
49) Acenaphthylene	14.580	152	361083	42.042	ng	100
50) Dimethylphthalate	14.298	163	304080	41.179	ng	99
51) 2,6-Dinitrotoluene	14.427	165	66707	43.151	ng	98
52) Acenaphthene	14.915	154	212592	41.590	ng	98
53) 3-Nitroaniline	14.756	138	60056	34.565	ng	98
54) 2,4-Dinitrophenol	14.968	184	79248	84.504	ng	98
55) Dibenzofuran	15.250	168	358768	42.403	ng	100
56) 4-Nitrophenol	15.068	139	110545	92.790	ng	100
57) 2,4-Dinitrotoluene	15.209	165	95656	43.275	ng	# 99
58) Fluorene	15.896	166	288725	42.007	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.473	232	78642	43.147	ng	98
60) Diethylphthalate	15.643	149	309644	40.350	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	155282	43.698	ng	99
62) 4-Nitroaniline	15.920	138	75355	40.993	ng	97
63) Azobenzene	16.166	77	262540	41.157	ng	98
65) 4,6-Dinitro-2-methylph...	15.972	198	57275	42.966	ng	97
66) n-Nitrosodiphenylamine	16.090	169	260950	42.412	ng	99
67) 4-Bromophenyl-phenylether	16.766	248	106612	43.581	ng	99
68) Hexachlorobenzene	16.895	284	118717	42.555	ng	97
69) Atrazine	17.024	200	106345	51.484	ng	99
70) Pentachlorophenol	17.241	266	116102	80.282	ng	99
71) Phenanthrene	17.629	178	488423	41.959	ng	99
72) Anthracene	17.723	178	496824	43.544	ng	99
73) Carbazole	17.988	167	459454	43.282	ng	100
74) Di-n-butylphthalate	18.511	149	555392	41.891	ng	99
75) Fluoranthene	19.621	202	591991	42.279	ng	99
77) Benzidine	19.791	184	425286	102.313	ng	99
78) Pyrene	19.979	202	591988	42.030	ng	99
80) Butylbenzylphthalate	20.837	149	246716	42.014	ng	98
81) Benzo(a)anthracene	21.842	228	576369	42.054	ng	99
82) 3,3'-Dichlorobenzidine	21.742	252	182102	38.746	ng	99
83) Chrysene	21.907	228	534173	40.853	ng	99
84) Bis(2-ethylhexyl)phtha...	21.701	149	363499	42.584	ng	99
85) Di-n-octyl phthalate	22.952	149	616697	42.166	ng	100
87) Indeno(1,2,3-cd)pyrene	29.128	276	744861	41.542	ng	99
88) Benzo(b)fluoranthene	24.157	252	629336	44.364	ng	99
89) Benzo(k)fluoranthene	24.227	252	601864	42.220	ng	99
90) Benzo(a)pyrene	25.073	252	557129	45.421	ng	99
91) Dibenzo(a,h)anthracene	29.180	278	626173	42.328	ng	100
92) Benzo(g,h,i)perylene	30.344	276	621623	42.251	ng	99

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

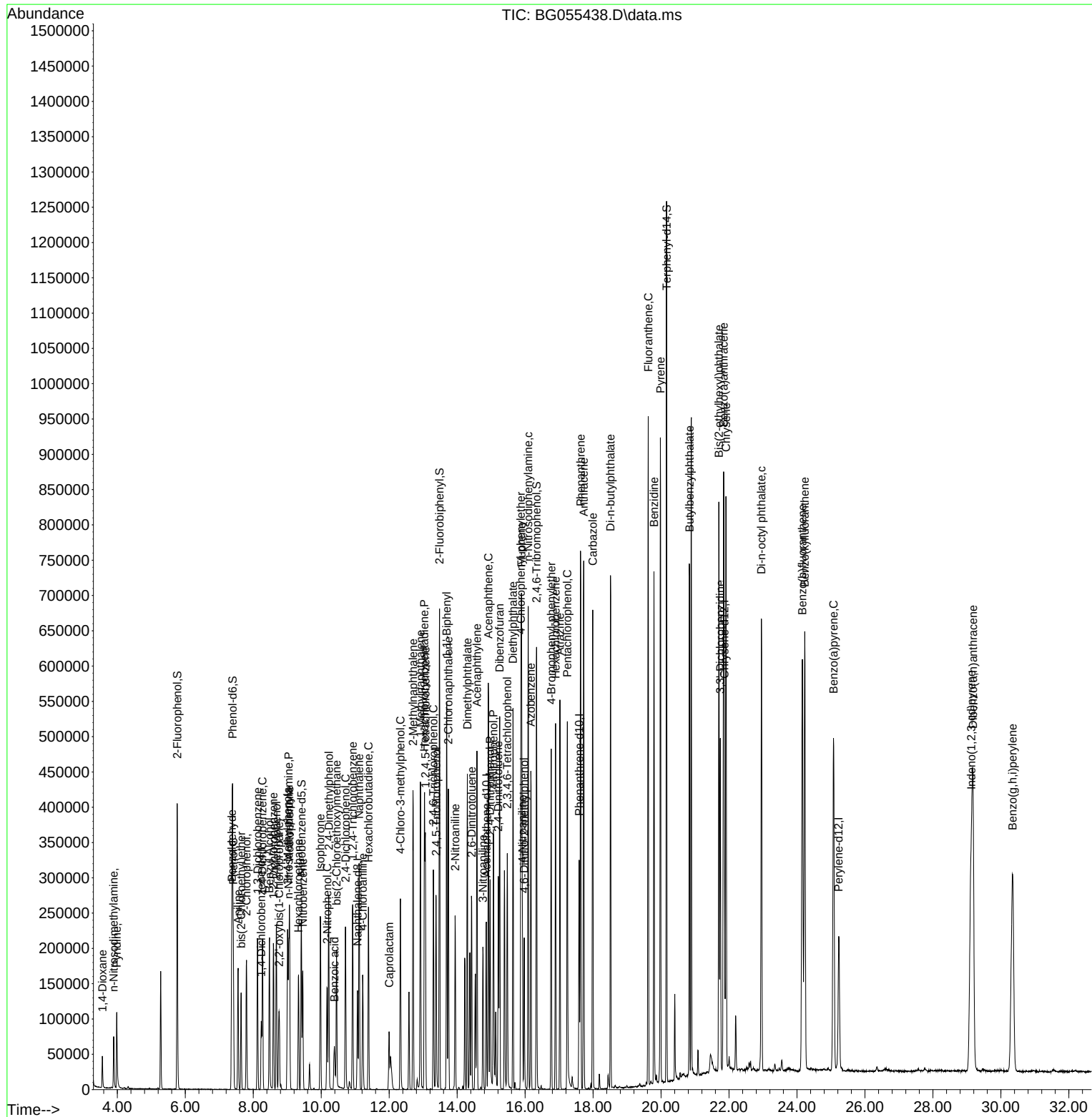
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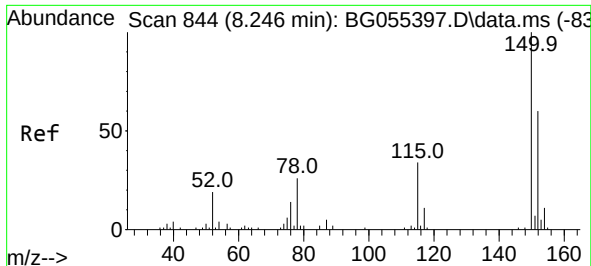
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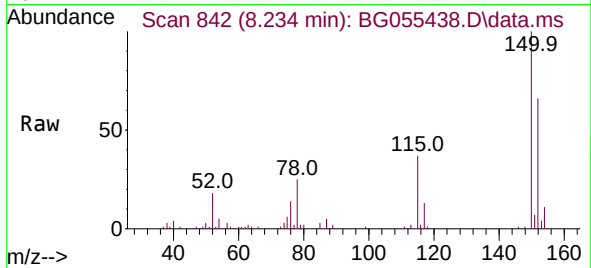
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.234 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

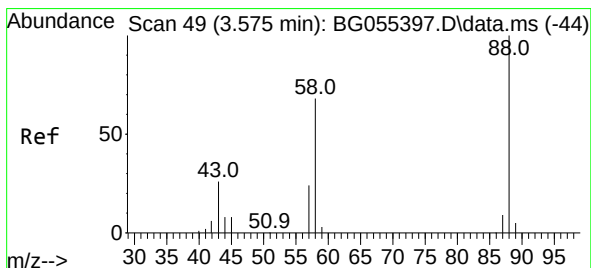
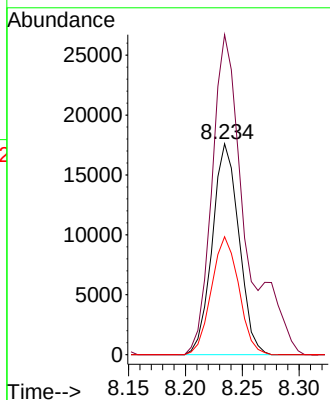
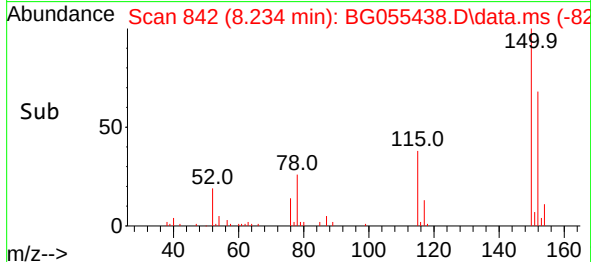
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:152 Resp: 28710
Ion Ratio Lower Upper
152 100
150 151.8 132.8 199.2
115 55.9 45.1 67.7

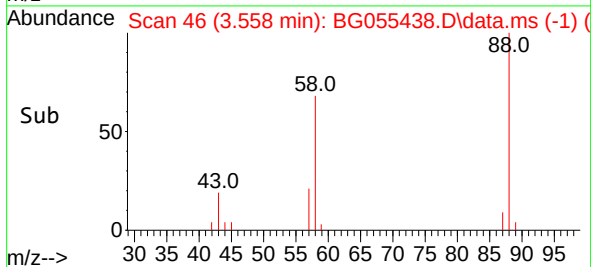
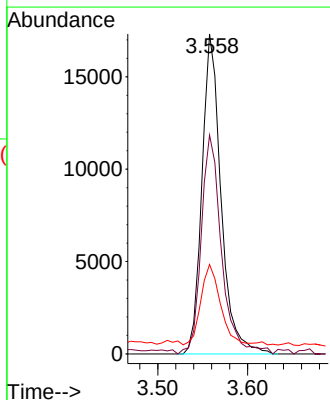
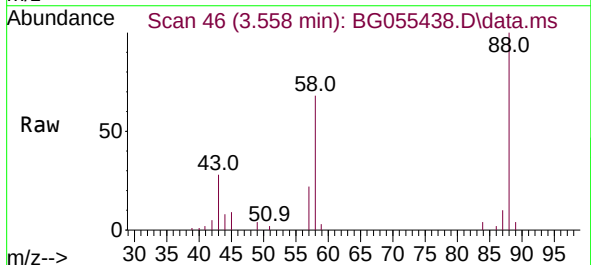
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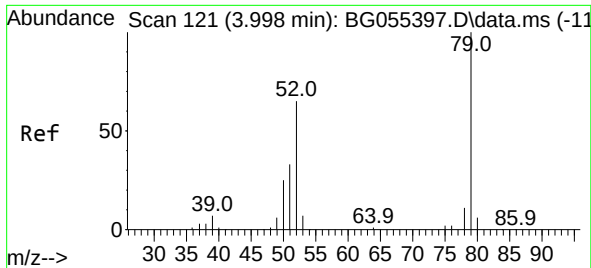
Reviewed By :Christian Giraldo 11/04/2022
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#2
1,4-Dioxane
Concen: 35.284 ng
RT: 3.558 min Scan# 46
Delta R.T. -0.017 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

Tgt Ion: 88 Resp: 25585
Ion Ratio Lower Upper
88 100
58 72.5 55.7 83.5
43 25.5 20.7 31.1





#3

Pyridine

Concen: 31.553 ng

RT: 3.981 min Scan# 118

Delta R.T. -0.017 min

Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMS

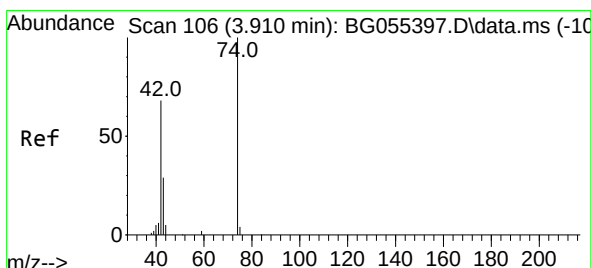
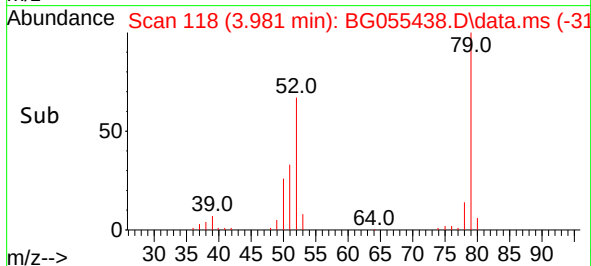
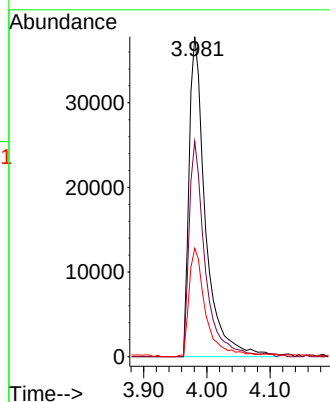
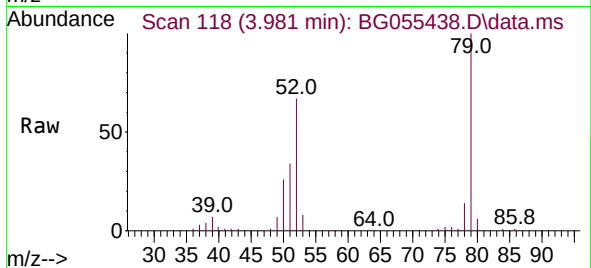
Tgt Ion: 79	Resp: 67900
Ion Ratio	Lower Upper
79	100
52	67.3 51.8 77.6
51	33.8 26.6 40.0

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 42.026 ng

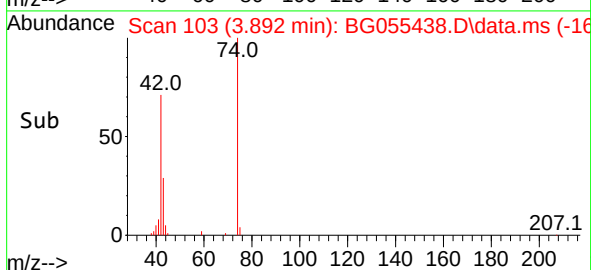
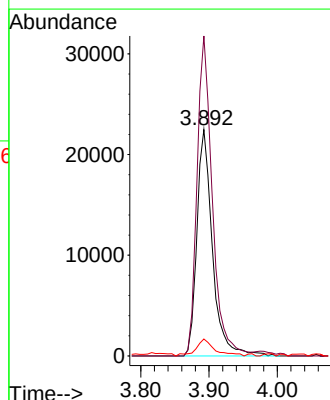
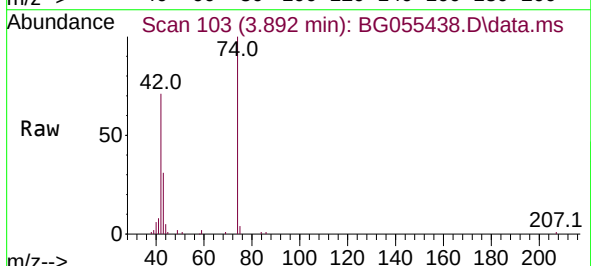
RT: 3.892 min Scan# 103

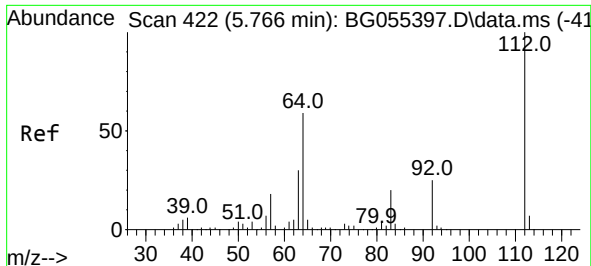
Delta R.T. -0.017 min

Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

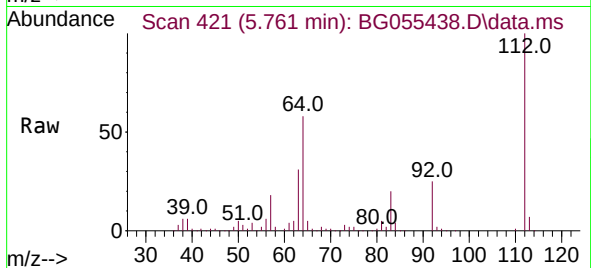
Tgt Ion: 42	Resp: 35728
Ion Ratio	Lower Upper
42	100
74	141.4 118.1 177.1
44	7.5 5.4 8.0





#5
2-Fluorophenol
Concen: 120.057 ng
RT: 5.761 min Scan# 41
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

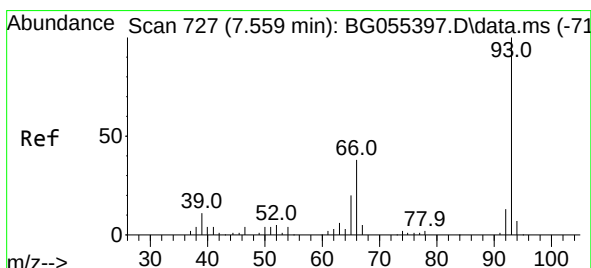
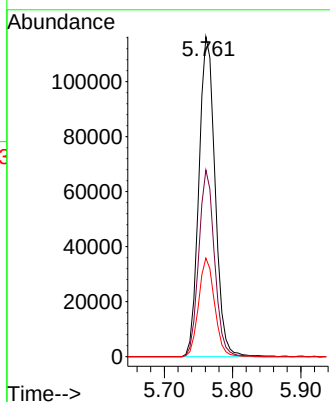
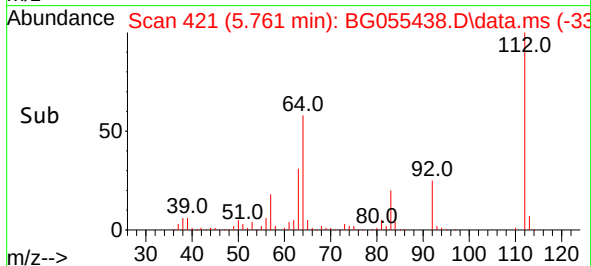
Instrument :
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ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:112 Resp: 191934
Ion Ratio Lower Upper
112 100
64 58.3 47.2 70.8
63 30.8 24.3 36.5

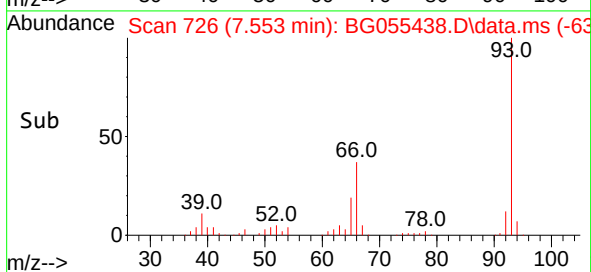
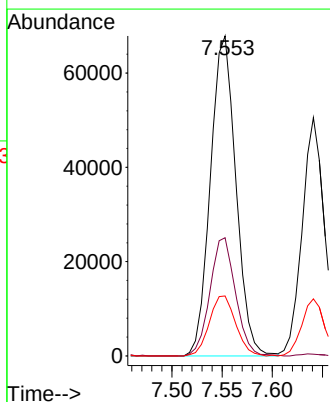
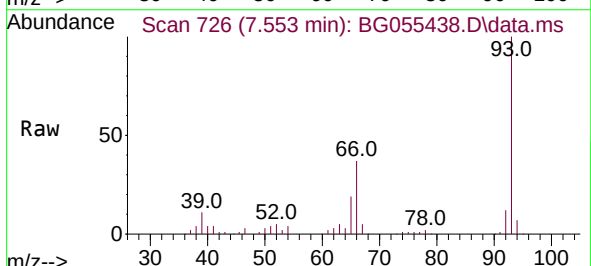
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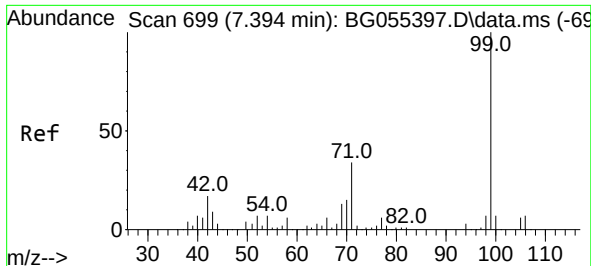
Reviewed By :Christian Giraldo 11/04/2022
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#6
Aniline
Concen: 41.775 ng
RT: 7.553 min Scan# 726
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

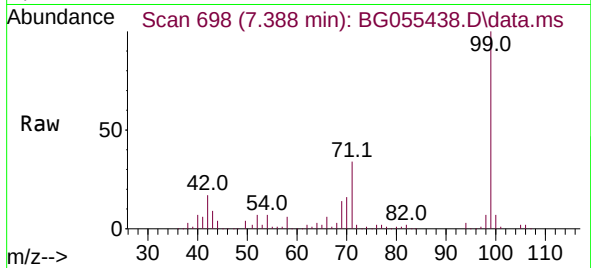
Tgt Ion: 93 Resp: 120120
Ion Ratio Lower Upper
93 100
66 36.9 30.6 45.8
65 18.7 16.4 24.6





#7
Phenol-d6
Concen: 113.359 ng
RT: 7.388 min Scan# 699
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

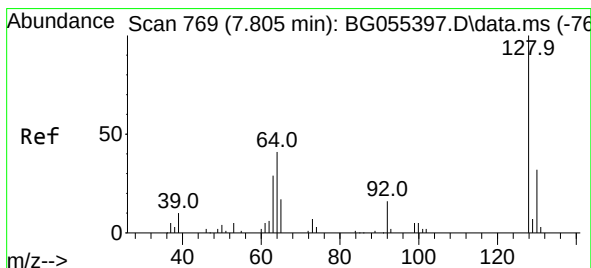
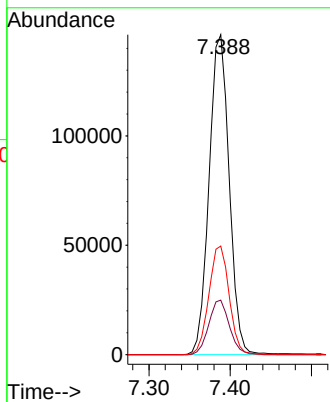
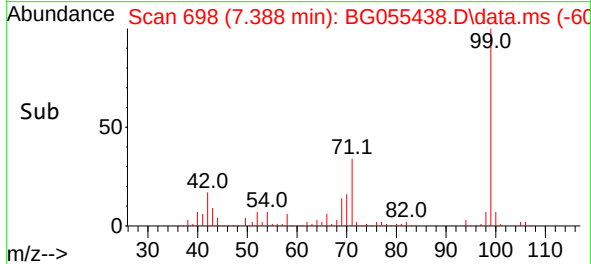
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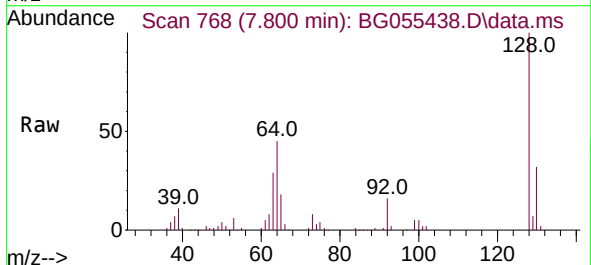
Tgt Ion: 99 Resp: 251315
Ion Ratio Lower Upper
99 100
42 17.0 13.5 20.3
71 33.9 27.4 41.0

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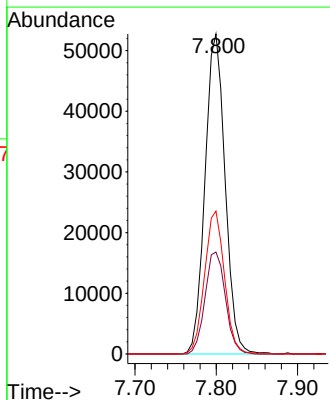
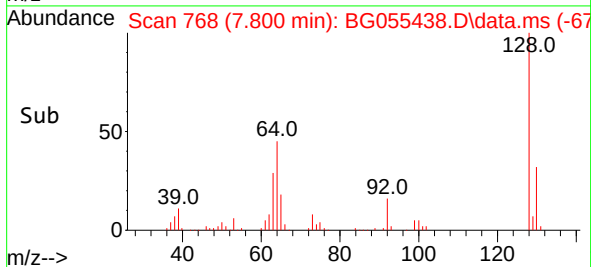
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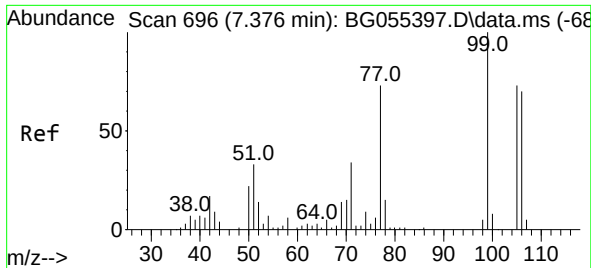


#8
2-Chlorophenol
Concen: 46.619 ng
RT: 7.800 min Scan# 768
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



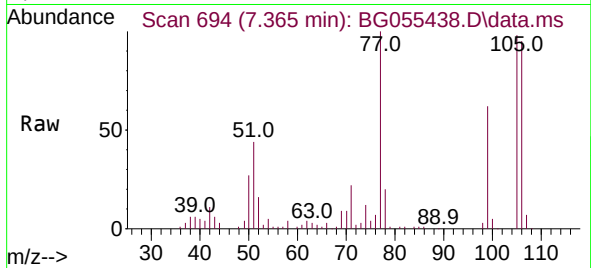
Tgt Ion:128 Resp: 90553
Ion Ratio Lower Upper
128 100
130 31.9 12.3 52.3
64 44.6 25.3 65.3





#9
Benzaldehyde
Concen: 47.415 ng
RT: 7.365 min Scan# 696
Delta R.T. -0.012 min
Lab File: BG055438.D
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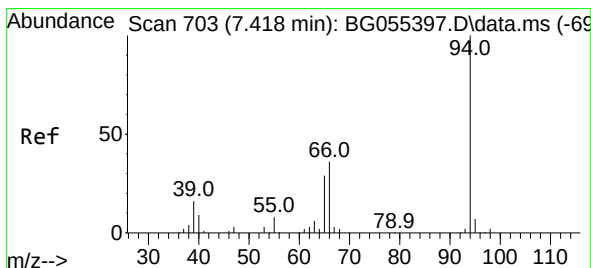
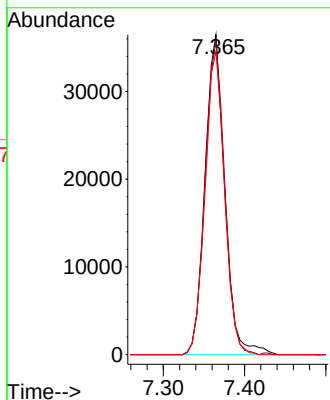
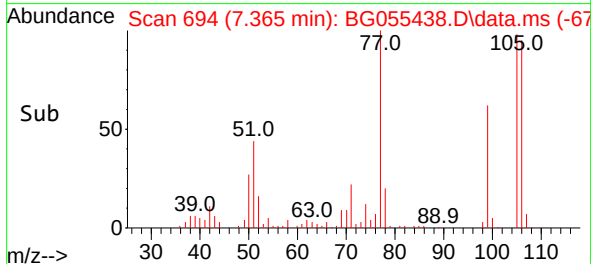
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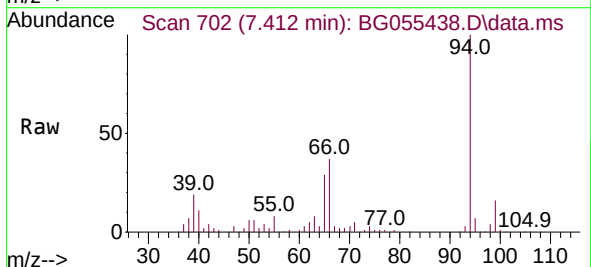
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Ion Ratio Lower Upper
77 100
105 98.1 79.7 119.7
106 94.7 75.4 115.4

Manual Integrations
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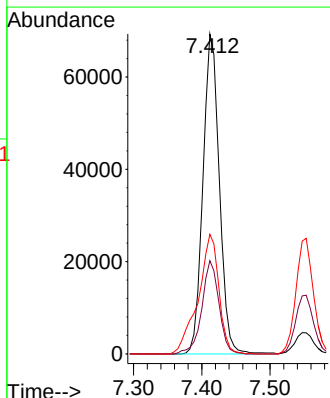
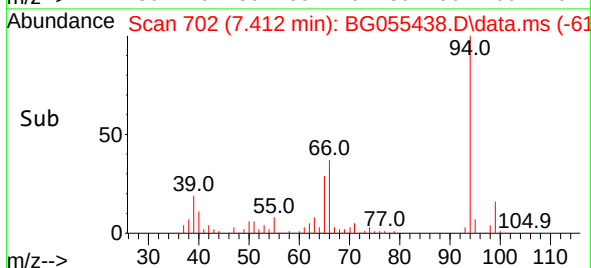
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

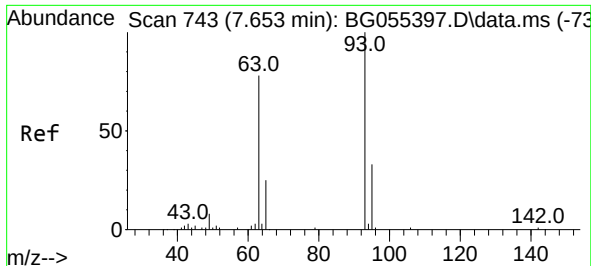


#10
Phenol
Concen: 46.141 ng
RT: 7.412 min Scan# 702
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



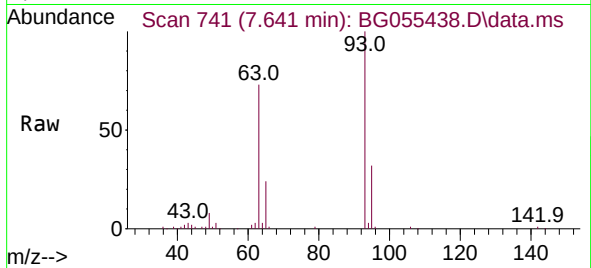
Tgt Ion: 94 Resp: 115781
Ion Ratio Lower Upper
94 100
65 29.1 9.0 49.0
66 37.4 17.6 57.6





#11
bis(2-Chloroethyl)ether
Concen: 41.610 ng
RT: 7.641 min Scan# 743
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

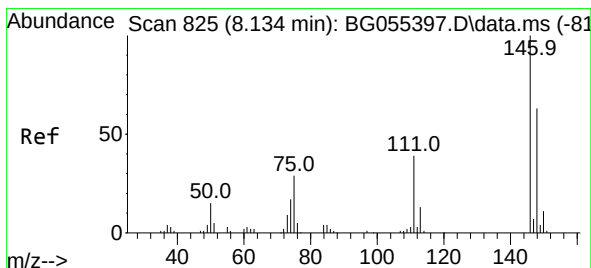
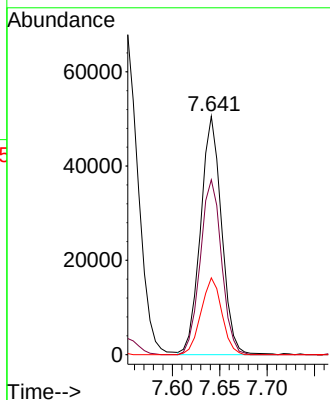
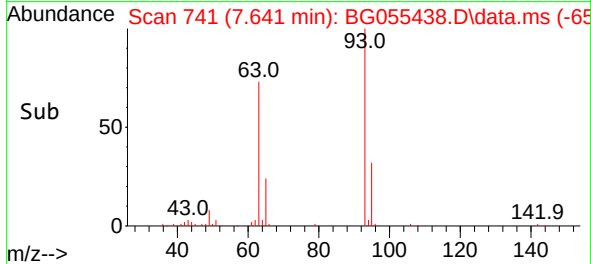
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion: 93 Resp: 78116
Ion Ratio Lower Upper
93 100
63 73.3 57.4 97.4
95 32.2 12.5 52.5

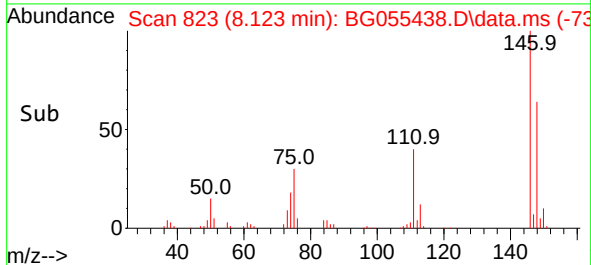
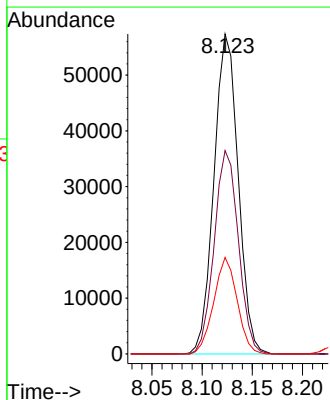
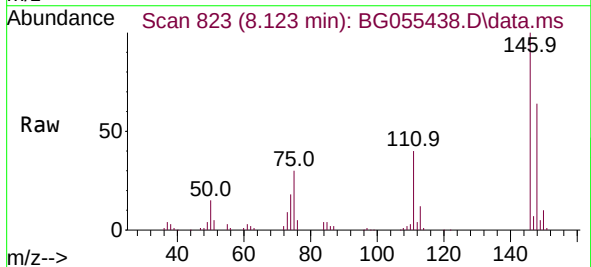
Manual Integrations
APPROVED

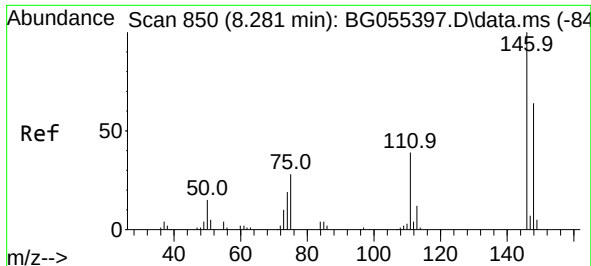
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#12
1,3-Dichlorobenzene
Concen: 43.819 ng
RT: 8.123 min Scan# 823
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

Tgt Ion:146 Resp: 96474
Ion Ratio Lower Upper
146 100
148 63.5 50.6 75.8
75 30.1 22.8 34.2





#13

1,4-Dichlorobenzene

Concen: 43.388 ng

RT: 8.270 min Scan# 84

Delta R.T. -0.012 min

Lab File: BG055438.D

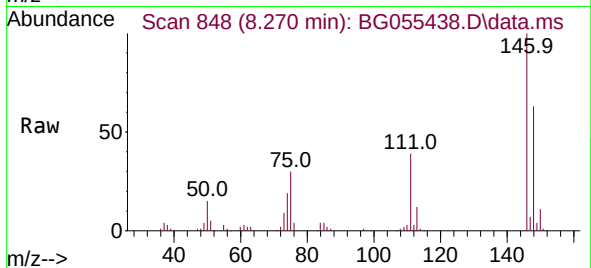
Acq: 3 Nov 2022 15:12

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMS



Tgt Ion:146 Resp: 97294

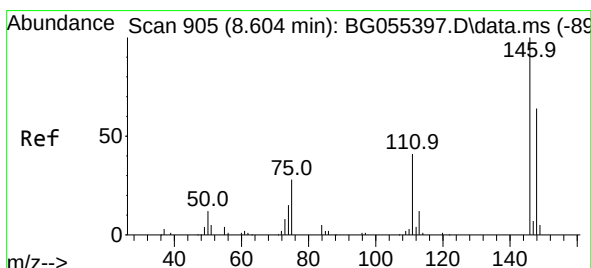
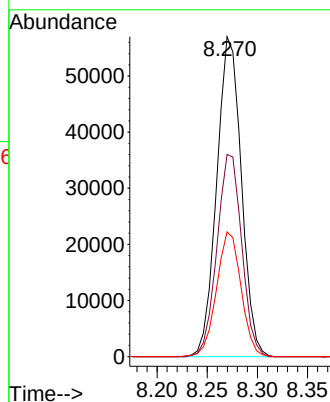
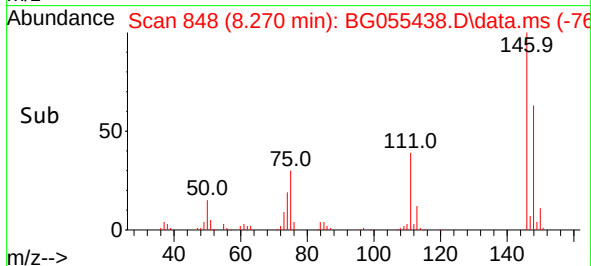
Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.1	76.7
111	39.0	31.2	46.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#14

1,2-Dichlorobenzene

Concen: 44.055 ng

RT: 8.593 min Scan# 903

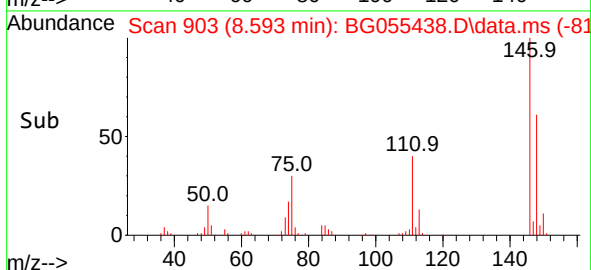
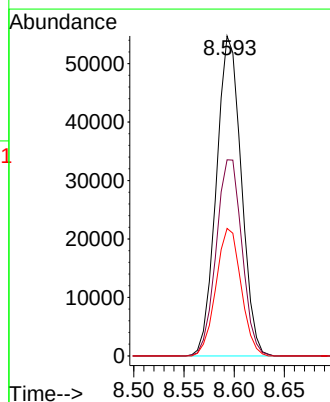
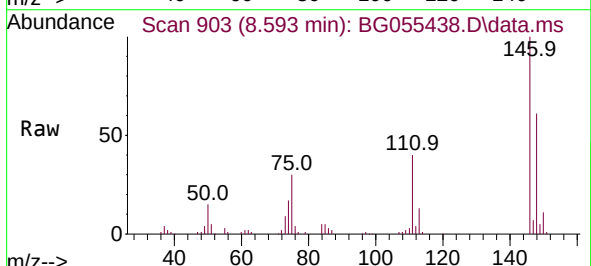
Delta R.T. -0.012 min

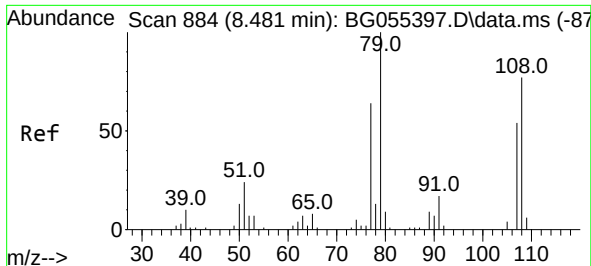
Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

Tgt Ion:146 Resp: 94558

Ion	Ratio	Lower	Upper
146	100		
148	61.3	51.4	77.2
111	39.9	33.2	49.8





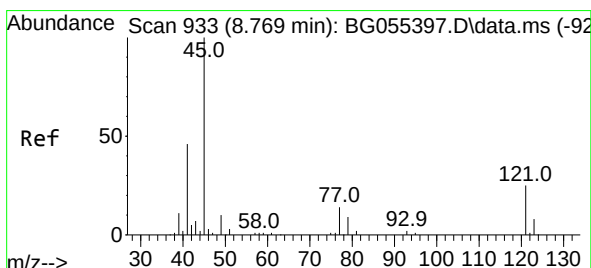
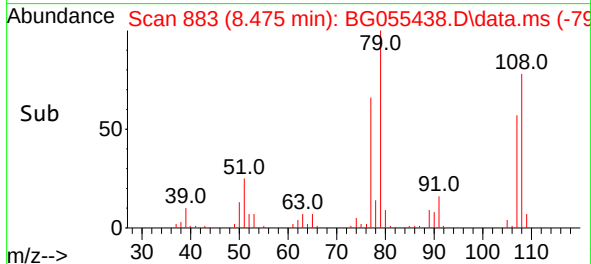
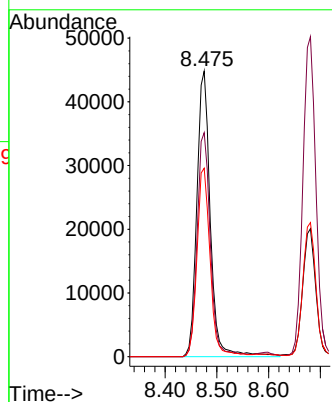
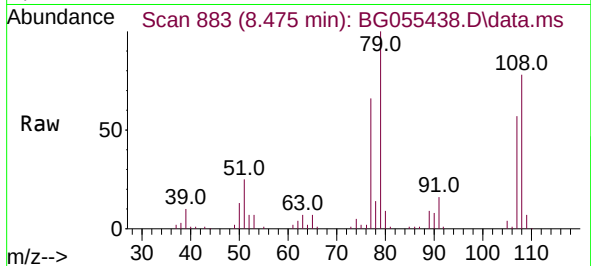
#15
Benzyl Alcohol
Concen: 45.756 ng
RT: 8.475 min Scan# 884
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS

Tgt Ion: 79 Resp: 80905
Ion Ratio Lower Upper
79 100
108 78.4 61.6 92.4
77 66.0 51.4 77.0

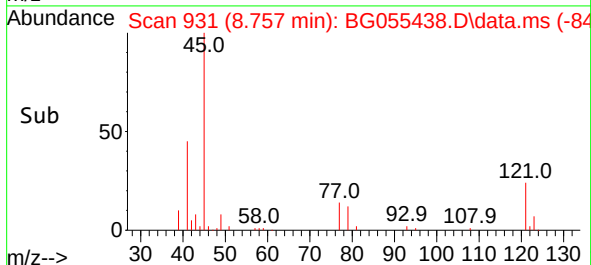
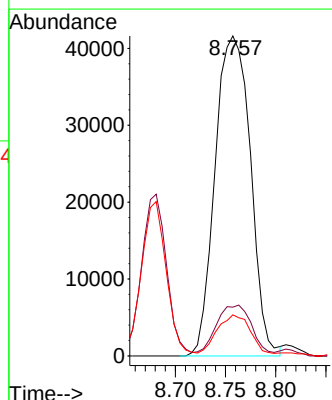
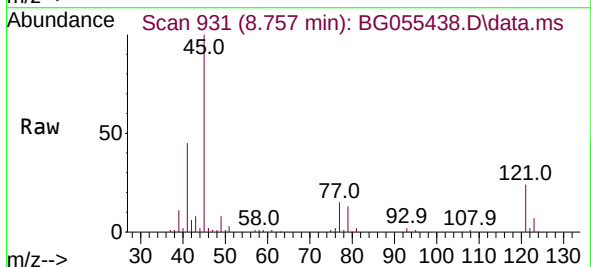
Manual Integrations
APPROVED

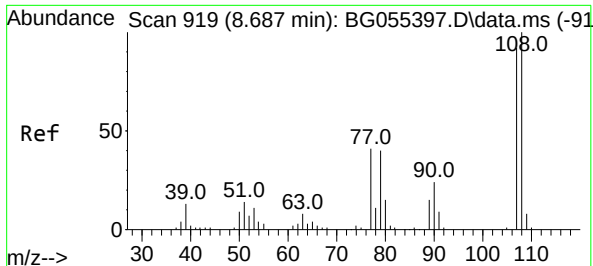
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.832 ng
RT: 8.757 min Scan# 931
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

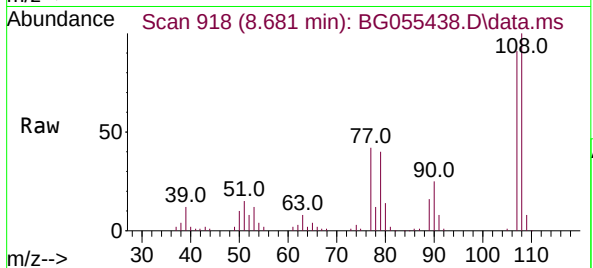
Tgt Ion: 45 Resp: 101987
Ion Ratio Lower Upper
45 100
77 15.2 0.0 36.6
79 12.8 0.0 31.3





#17
2-Methylphenol
Concen: 43.827 ng
RT: 8.681 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

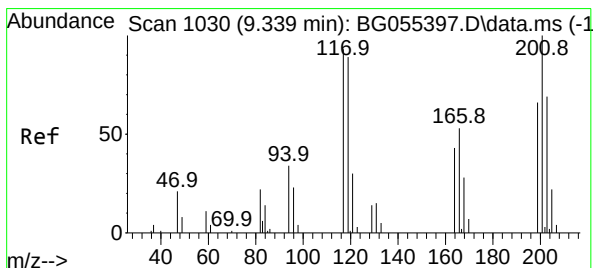
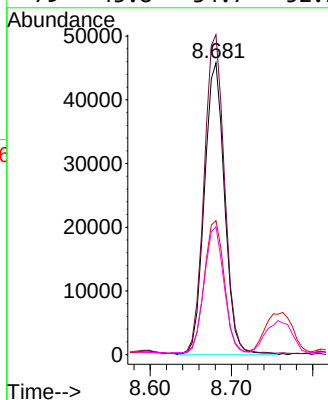
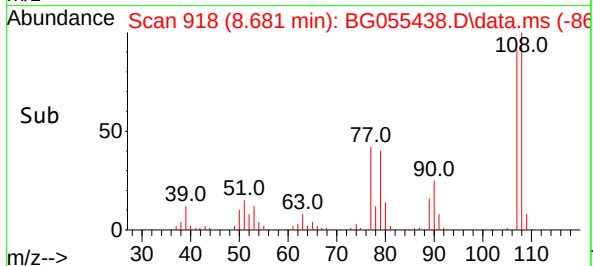
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:107 Resp: 79129
Ion Ratio Lower Upper
107 100
108 109.7 86.9 130.3
77 45.9 36.1 54.1
79 43.8 34.7 52.1

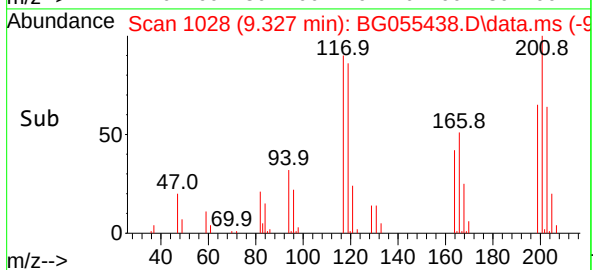
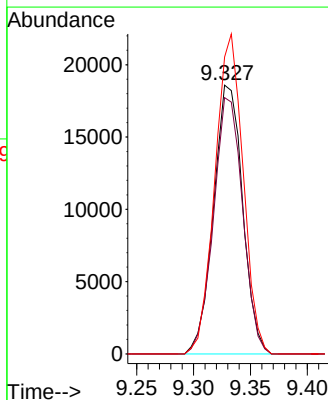
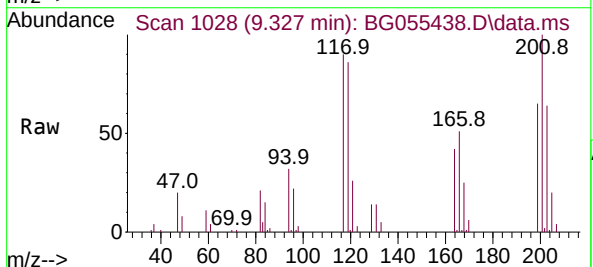
Manual Integrations
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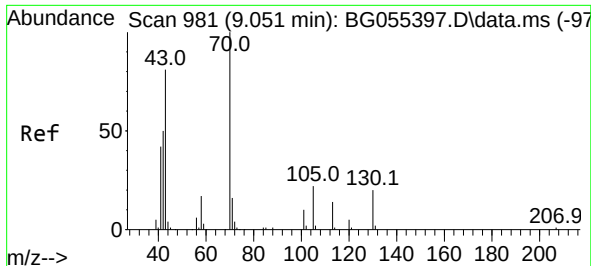
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#18
Hexachloroethane
Concen: 43.134 ng
RT: 9.327 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

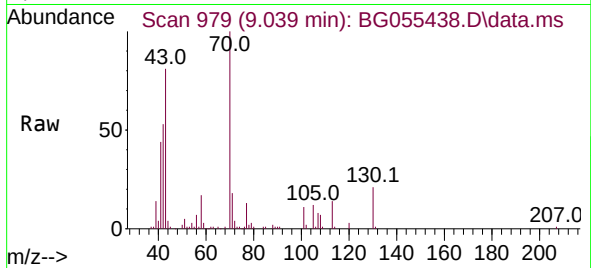
Tgt Ion:117 Resp: 32996
Ion Ratio Lower Upper
117 100
119 95.4 76.5 114.7
201 110.5 86.1 129.1





#19
n-Nitroso-di-n-propylamine
Concen: 39.822 ng
RT: 9.039 min Scan# 91
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

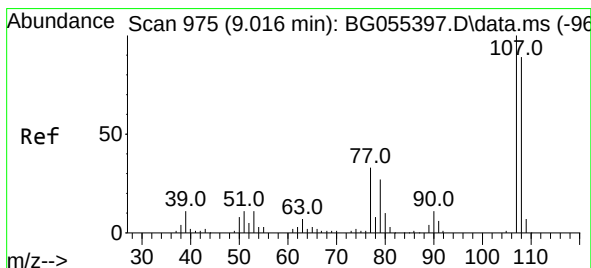
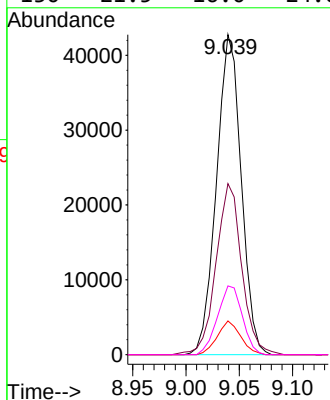
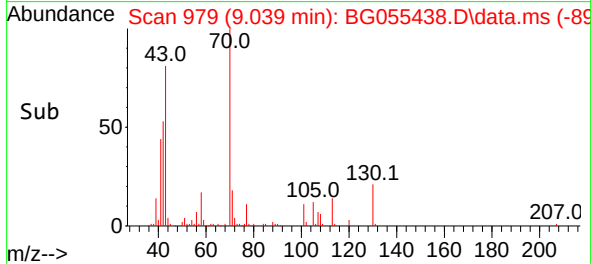
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



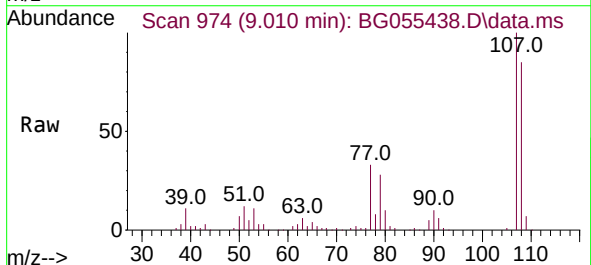
Tgt Ion: 70 Resp: 68985
Ion Ratio Lower Upper
70 100
42 53.5 40.6 61.0
101 10.5 7.8 11.6
130 21.5 16.0 24.0

Manual Integrations
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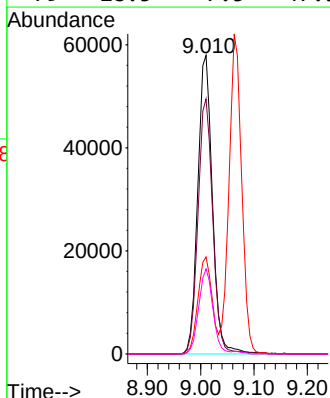
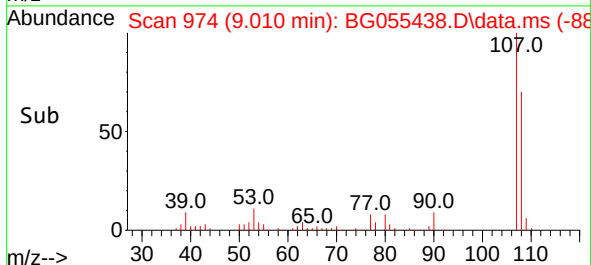
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

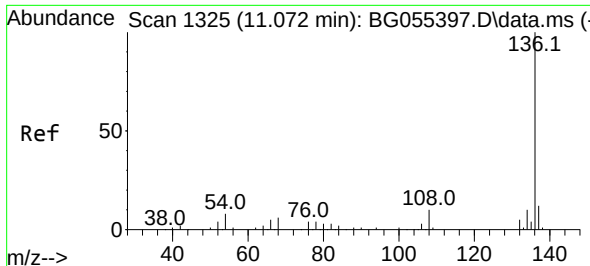


#20
3+4-Methylphenols
Concen: 42.940 ng
RT: 9.010 min Scan# 974
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



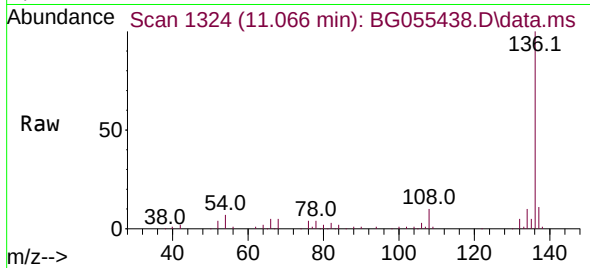
Tgt Ion:107 Resp: 110155
Ion Ratio Lower Upper
107 100
108 85.4 69.1 109.1
77 32.5 12.8 52.8
79 28.5 7.5 47.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.066 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

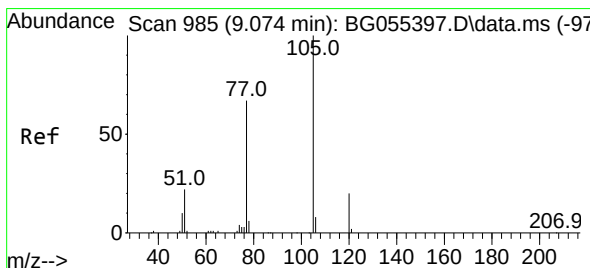
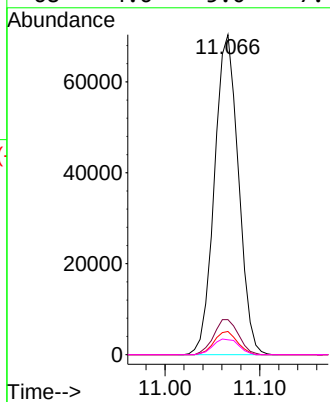
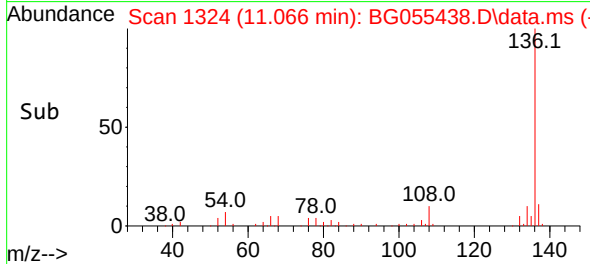
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:136 Resp: 123559
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.2
54 7.3 6.1 9.1
68 4.6 5.0 7.4#

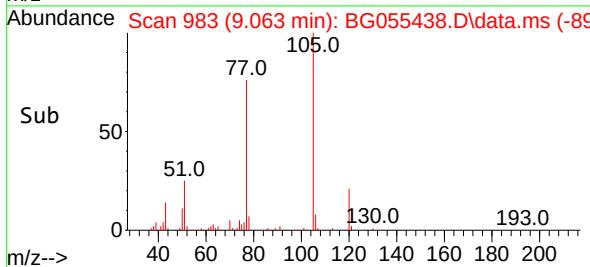
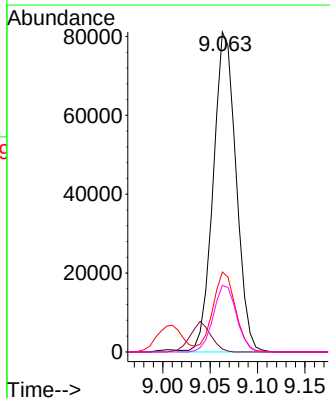
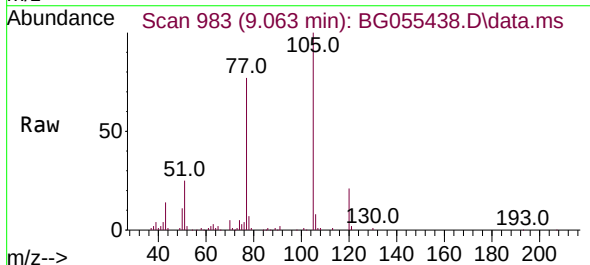
Manual Integrations
APPROVED

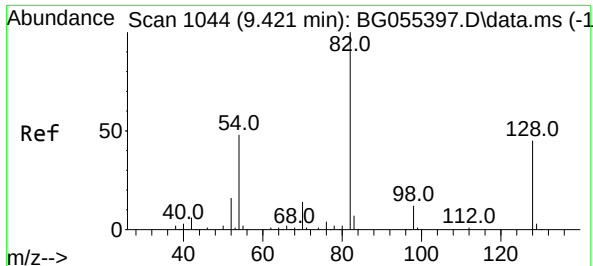
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#22
Acetophenone
Concen: 42.021 ng
RT: 9.063 min Scan# 983
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

Tgt Ion:105 Resp: 136089
Ion Ratio Lower Upper
105 100
71 0.9 0.5 0.7#
51 25.0 19.6 29.4
120 20.8 16.3 24.5





#23

Nitrobenzene-d5

Concen: 64.817 ng

RT: 9.415 min Scan# 1043

Delta R.T. -0.006 min

Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMS

Tgt Ion: 82 Resp: 150272

Ion Ratio Lower Upper

82 100

128 45.4 35.8 53.8

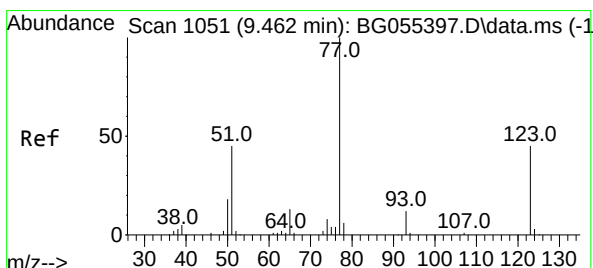
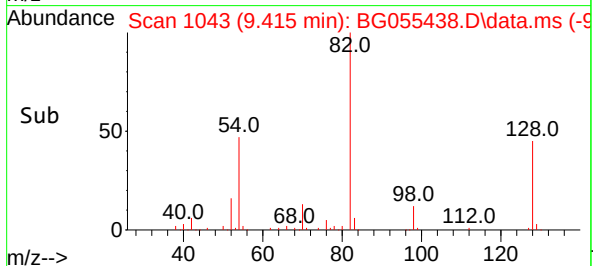
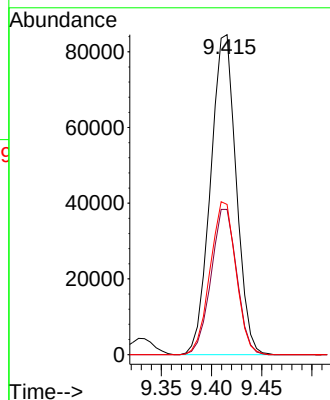
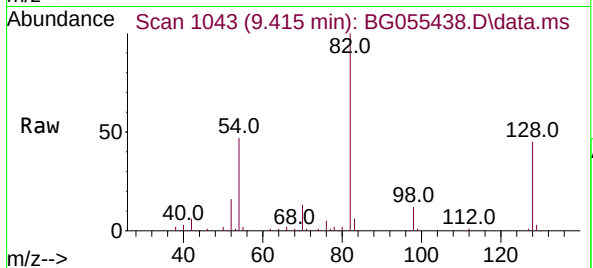
54 46.9 38.1 57.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#24

Nitrobenzene

Concen: 41.212 ng

RT: 9.457 min Scan# 1050

Delta R.T. -0.006 min

Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

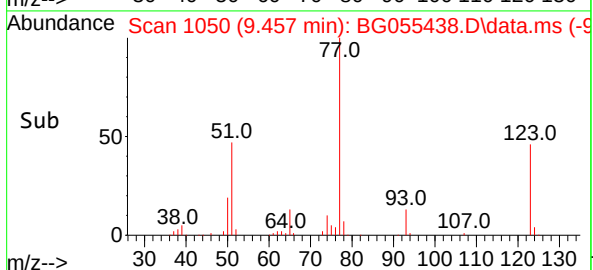
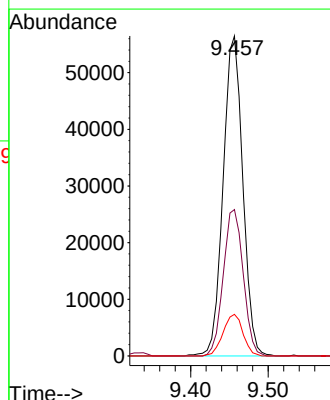
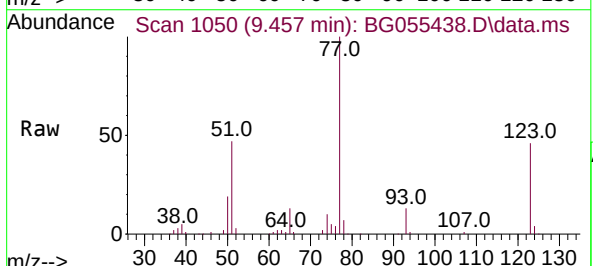
Tgt Ion: 77 Resp: 99614

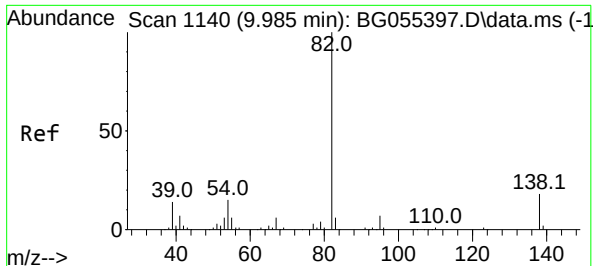
Ion Ratio Lower Upper

77 100

123 45.7 35.8 53.8

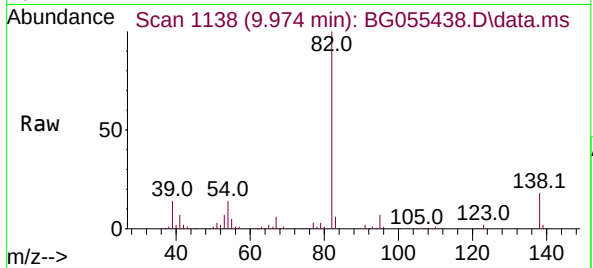
65 13.0 10.2 15.4





#25
Isophorone
Concen: 41.954 ng
RT: 9.974 min Scan# 1140
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

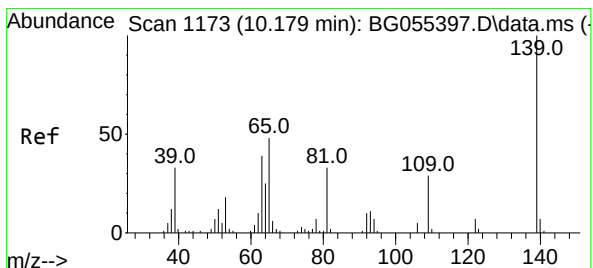
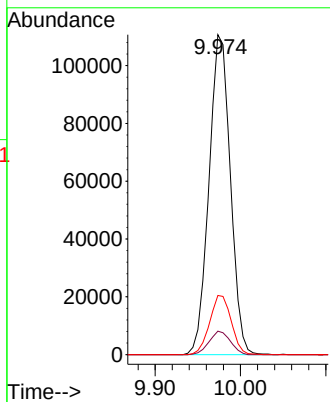
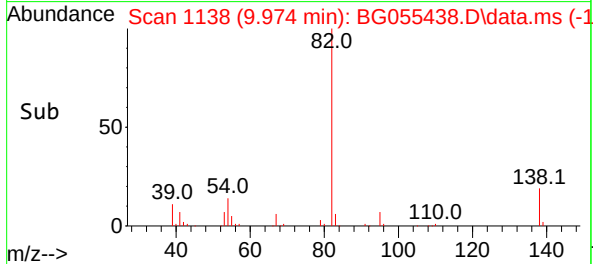
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion: 82 Resp: 192630
Ion Ratio Lower Upper
82 100
95 7.3 6.0 9.0
138 18.5 14.6 21.8

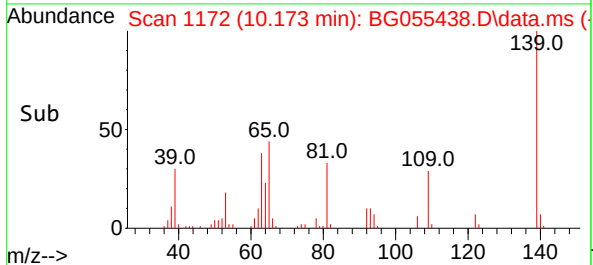
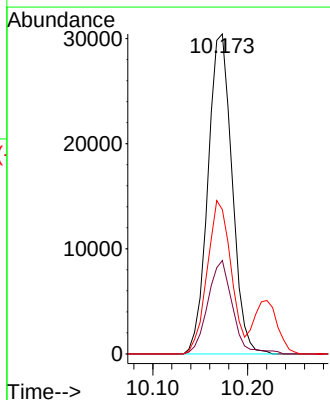
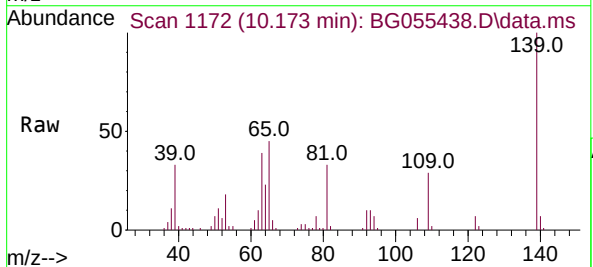
Manual Integrations
APPROVED

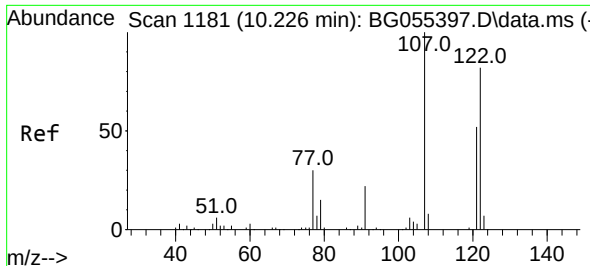
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#26
2-Nitrophenol
Concen: 43.289 ng
RT: 10.173 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

Tgt Ion:139 Resp: 53878
Ion Ratio Lower Upper
139 100
109 29.2 22.9 34.3
65 45.1 38.7 58.1





#27

2,4-Dimethylphenol

Concen: 50.722 ng

RT: 10.220 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BG055438.D

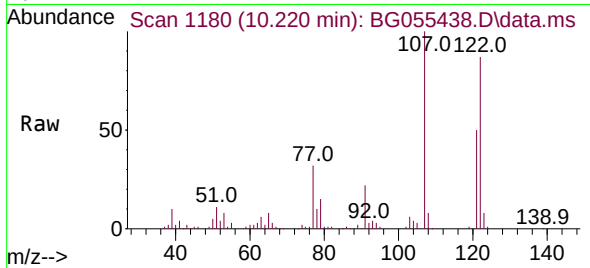
Acq: 3 Nov 2022 15:12

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMS



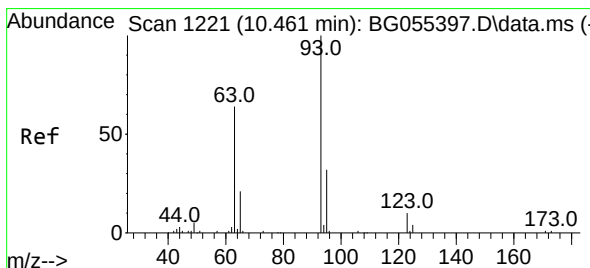
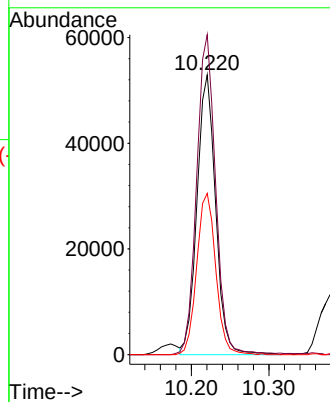
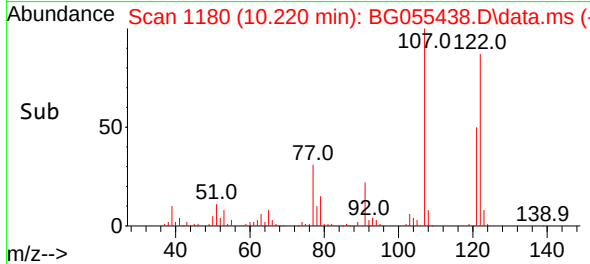
Tgt Ion:	122	Resp:	8851
Ion Ratio	Lower	Upper	
122	100		
107	114.4	95.4	143.2
121	57.6	49.5	74.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#28

bis(2-Chloroethoxy)methane

Concen: 45.419 ng

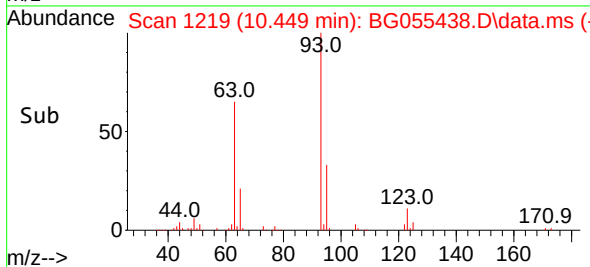
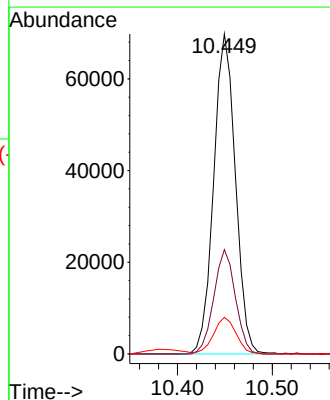
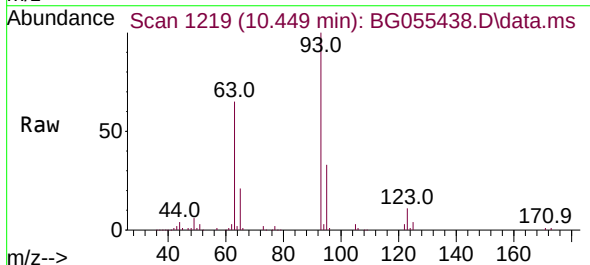
RT: 10.449 min Scan# 1219

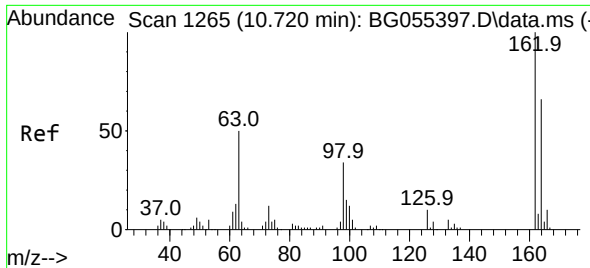
Delta R.T. -0.012 min

Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

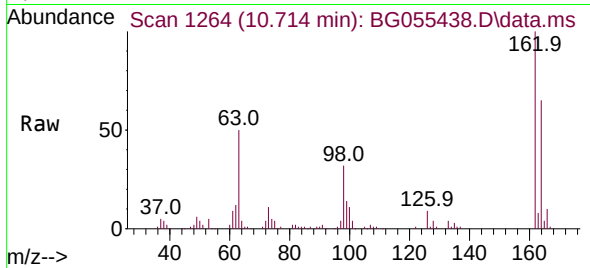
Tgt Ion:	93	Resp:	111077
Ion Ratio	Lower	Upper	
93	100		
95	32.6	25.7	38.5
123	11.4	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 45.331 ng
RT: 10.714 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

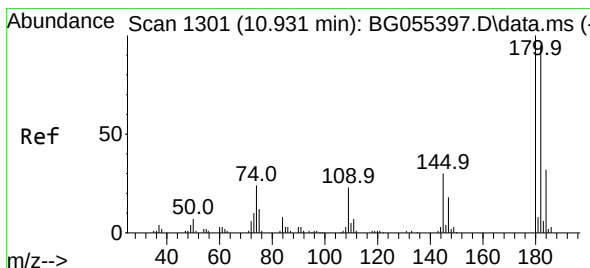
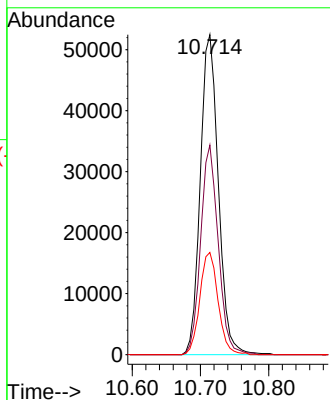
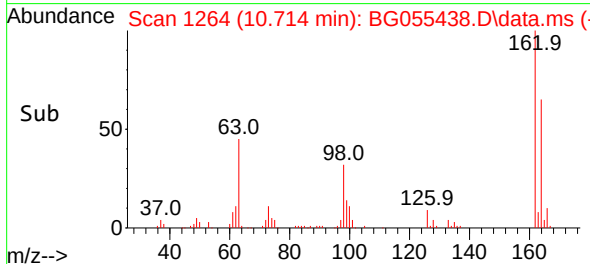
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:162 Resp: 9650
Ion Ratio Lower Upper
162 100
164 65.5 46.1 86.1
98 31.9 13.8 53.8

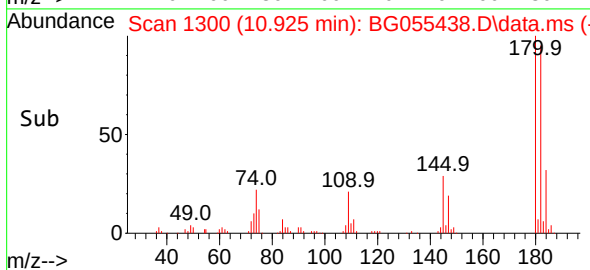
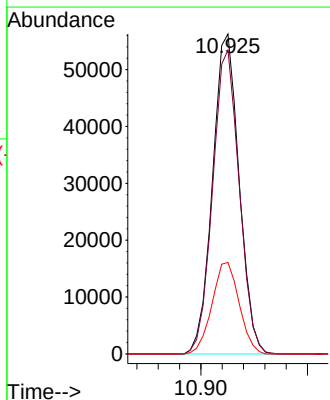
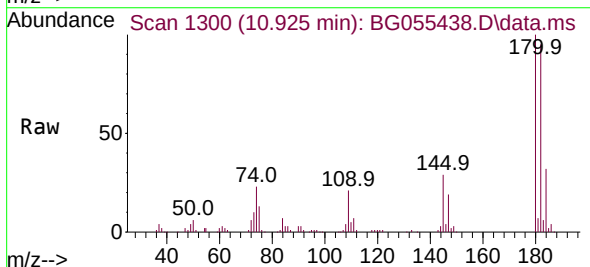
Manual Integrations
APPROVED

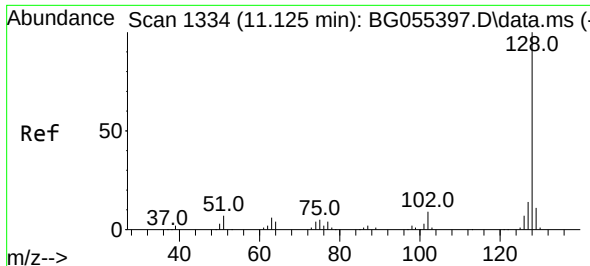
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#30
1,2,4-Trichlorobenzene
Concen: 42.224 ng
RT: 10.925 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

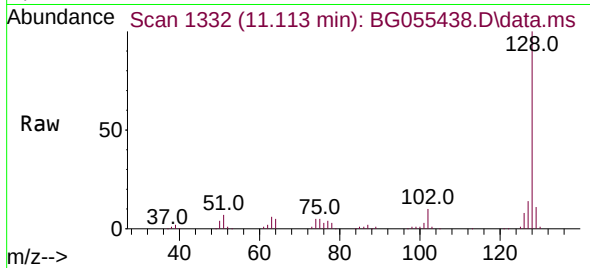
Tgt Ion:180 Resp: 97335
Ion Ratio Lower Upper
180 100
182 95.0 76.2 114.2
145 28.6 23.9 35.9





#31
Naphthalene
Concen: 41.013 ng
RT: 11.113 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

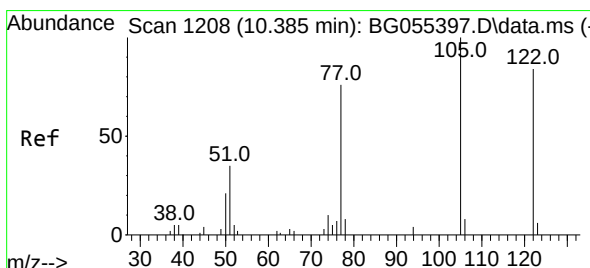
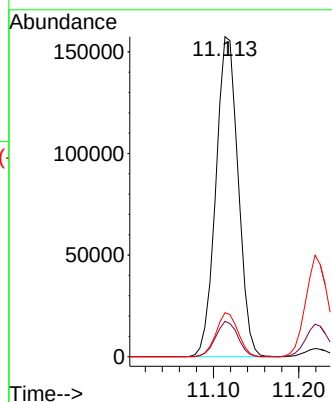
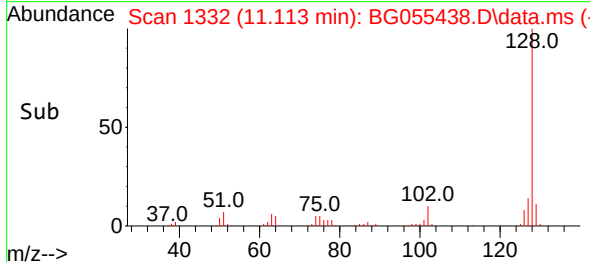
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:128 Resp: 285316
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.7 10.8 16.2

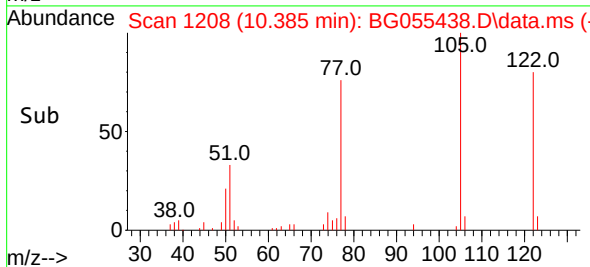
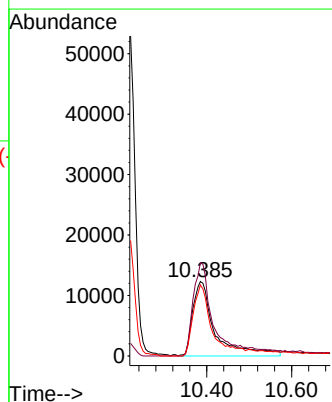
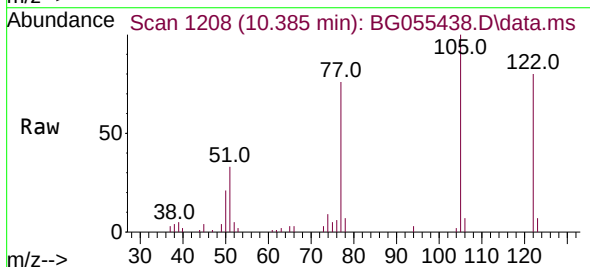
Manual Integrations
APPROVED

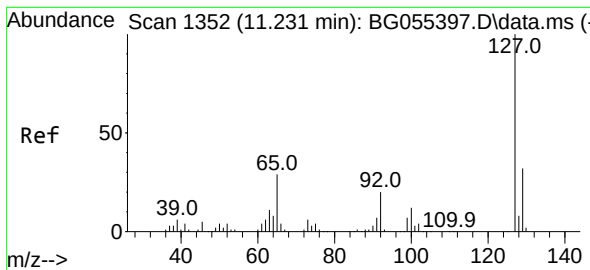
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#32
Benzoic acid
Concen: 43.648 ng m
RT: 10.385 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

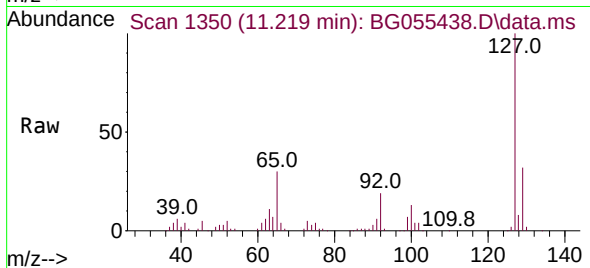
Tgt Ion:122 Resp: 45073
Ion Ratio Lower Upper
122 100
105 125.2 97.4 137.4
77 95.4 69.5 109.5





#33
4-Chloroaniline
Concen: 32.166 ng
RT: 11.219 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

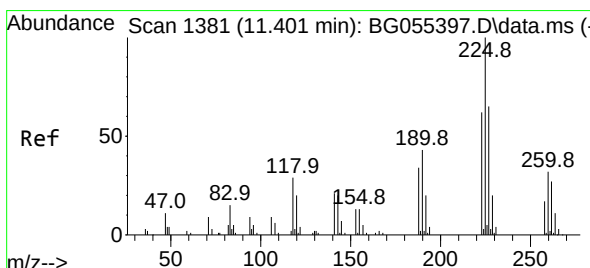
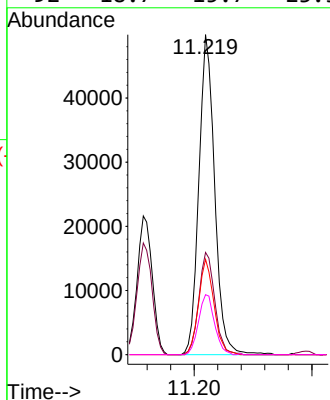
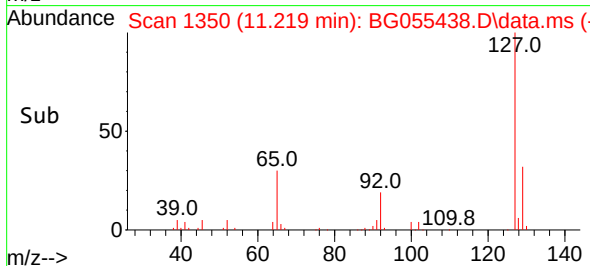
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



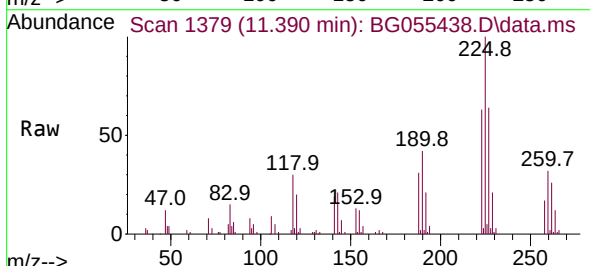
Tgt Ion:127 Resp: 92979
Ion Ratio Lower Upper
127 100
129 31.9 25.3 37.9
65 29.8 23.0 34.4
92 18.7 15.7 23.5

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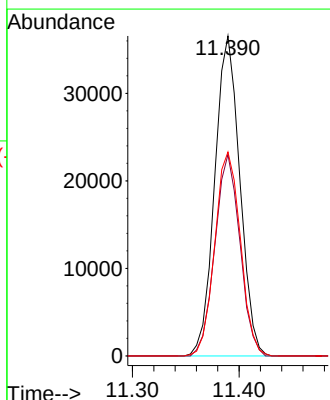
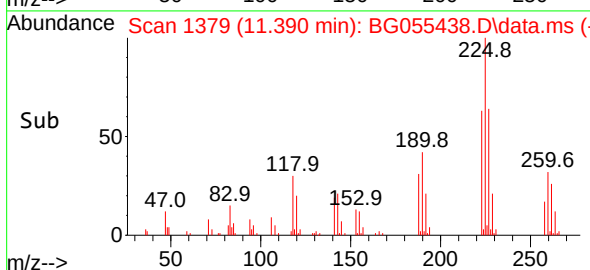
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

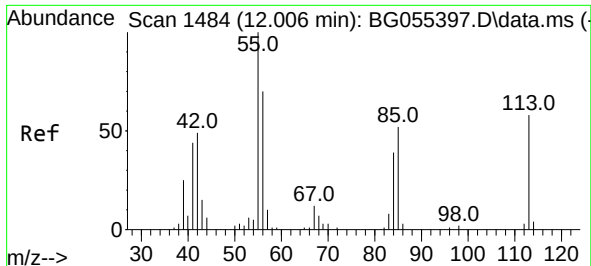


#34
Hexachlorobutadiene
Concen: 41.728 ng
RT: 11.390 min Scan# 1379
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



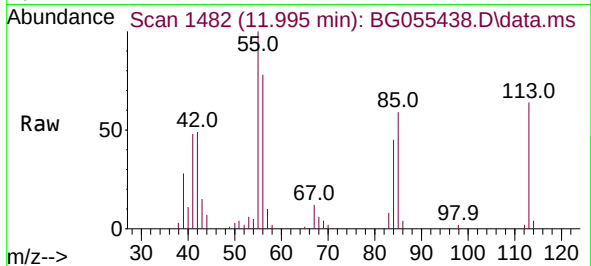
Tgt Ion:225 Resp: 59792
Ion Ratio Lower Upper
225 100
223 62.9 49.9 74.9
227 63.7 51.9 77.9





#35
Caprolactam
Concen: 41.064 ng m
RT: 11.995 min Scan# 1484
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

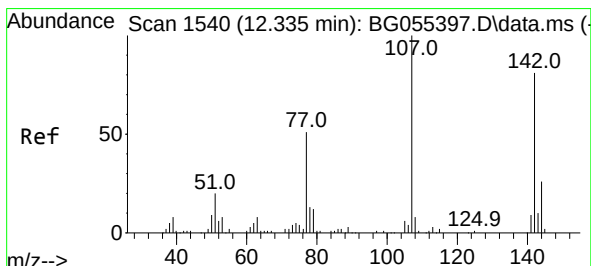
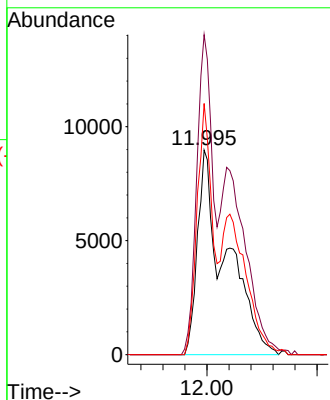
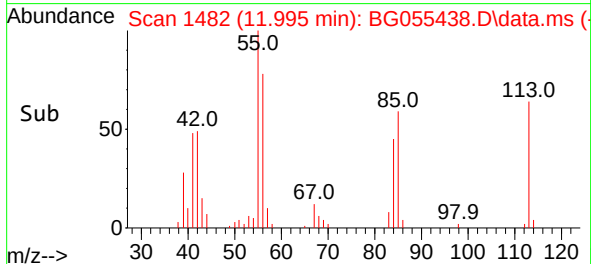
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



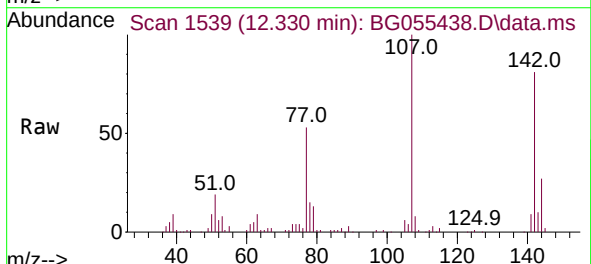
Tgt Ion:113 Resp: 32366
Ion Ratio Lower Upper
113 100
55 156.5 152.6 192.6
56 122.8 100.5 140.5

Manual Integrations
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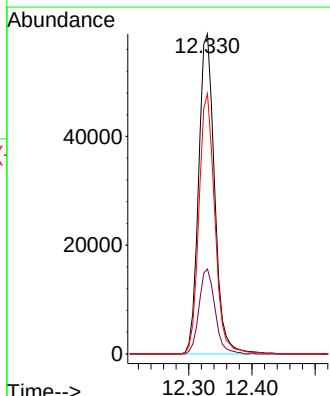
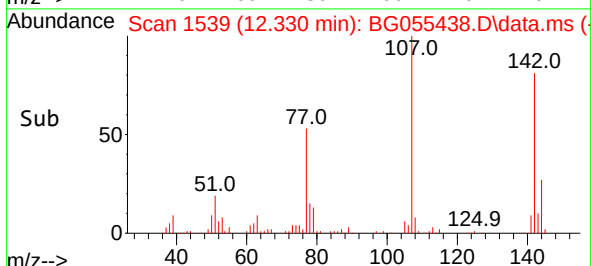
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

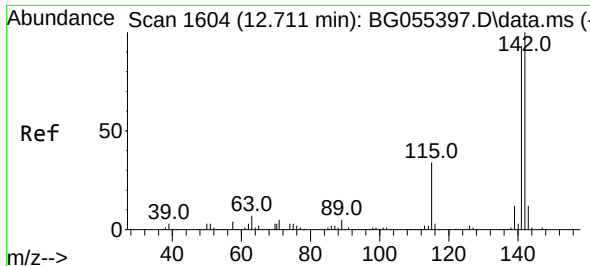


#36
4-Chloro-3-methylphenol
Concen: 44.286 ng
RT: 12.330 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



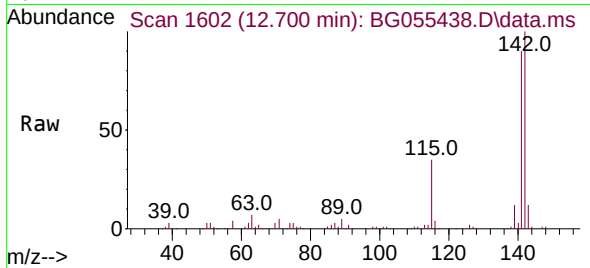
Tgt Ion:107 Resp: 103228
Ion Ratio Lower Upper
107 100
144 26.5 20.6 31.0
142 81.3 64.7 97.1





#37
2-Methylnaphthalene
Concen: 41.357 ng
RT: 12.700 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

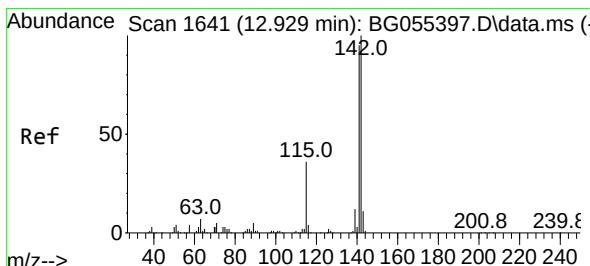
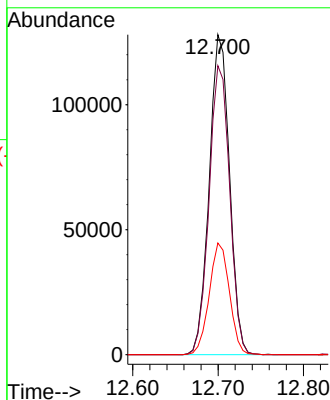
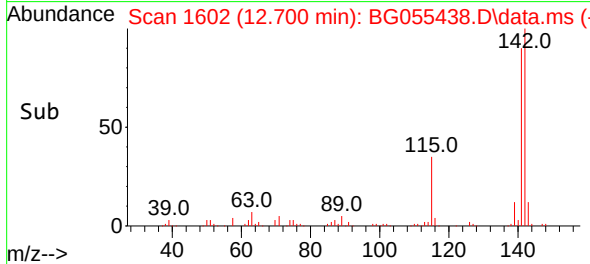
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:142 Resp: 211335
Ion Ratio Lower Upper
142 100
141 90.3 74.5 111.7
115 34.9 27.4 41.2

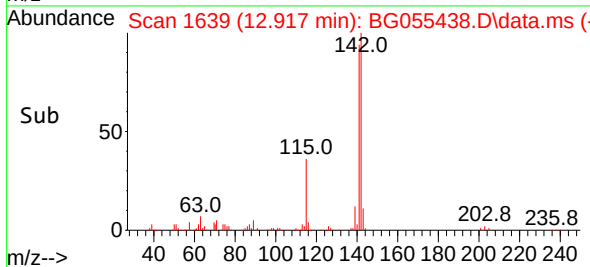
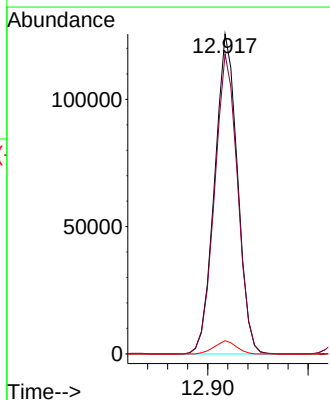
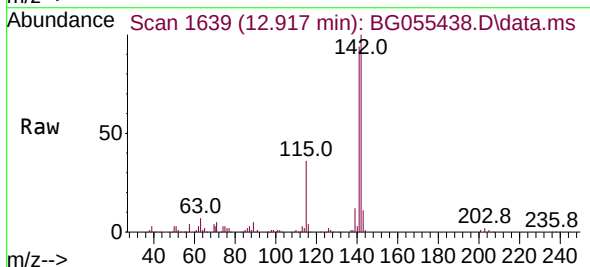
Manual Integrations
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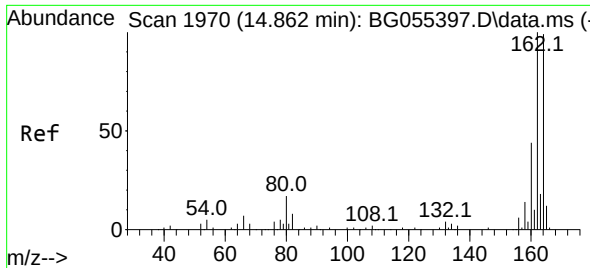
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#38
1-Methylnaphthalene
Concen: 39.847 ng
RT: 12.917 min Scan# 1639
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

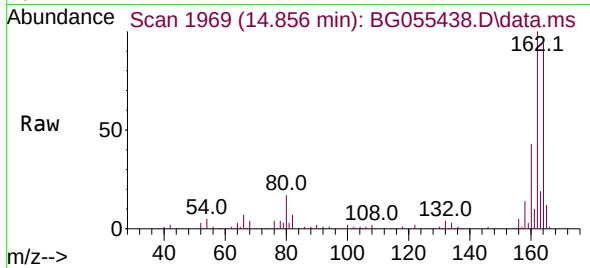
Tgt Ion:142 Resp: 198600
Ion Ratio Lower Upper
142 100
141 93.7 76.1 114.1
116 4.1 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.856 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

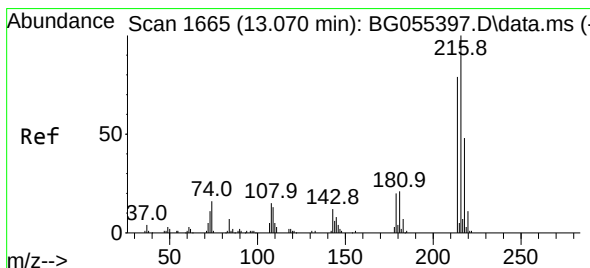
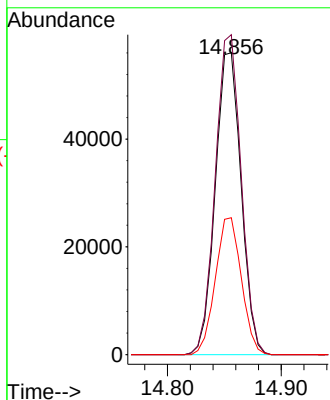
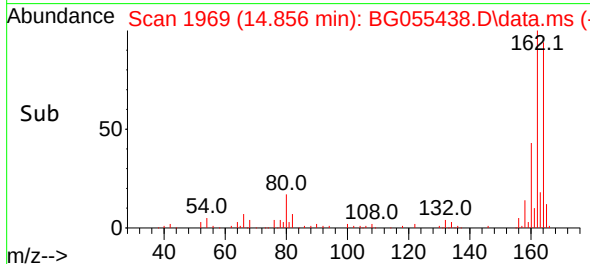
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:164 Resp: 88465
Ion Ratio Lower Upper
164 100
162 106.0 81.1 121.7
160 45.3 35.8 53.6

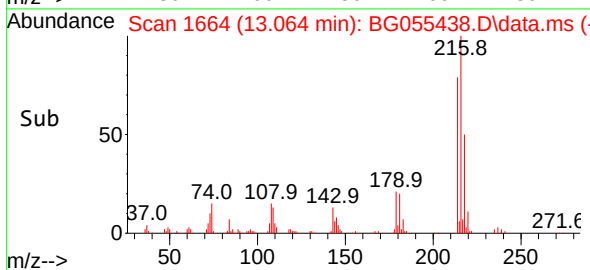
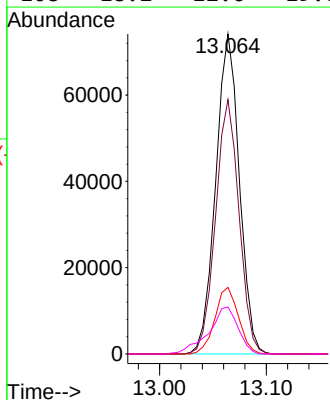
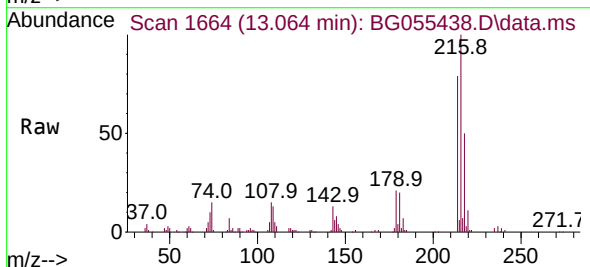
Manual Integrations
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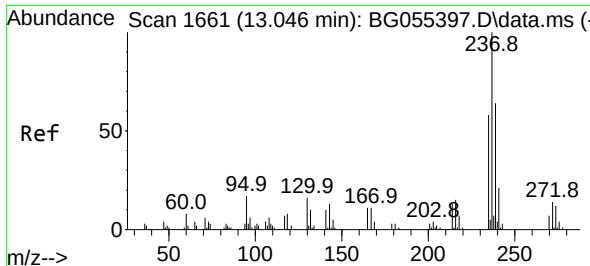
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.728 ng
RT: 13.064 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

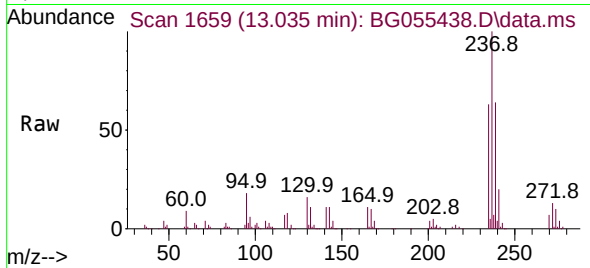
Tgt Ion:216 Resp: 114272
Ion Ratio Lower Upper
216 100
214 78.7 63.4 95.0
179 20.7 16.6 24.8
108 18.2 12.6 19.0





#41
Hexachlorocyclopentadiene
Concen: 98.187 ng
RT: 13.035 min Scan# 1659
Delta R.T. -0.011 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

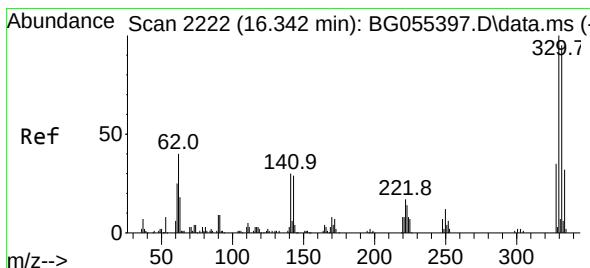
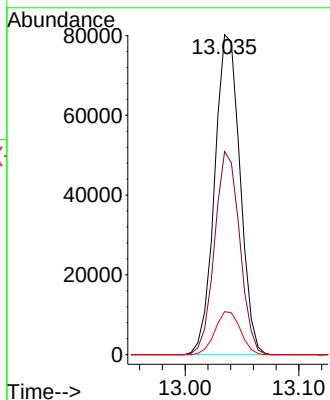
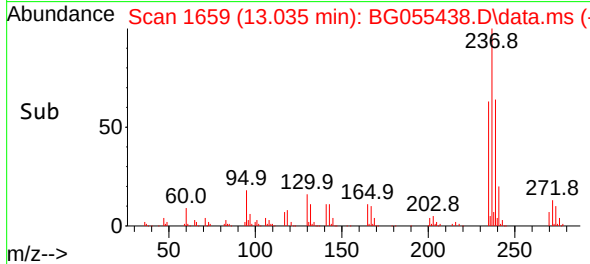
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



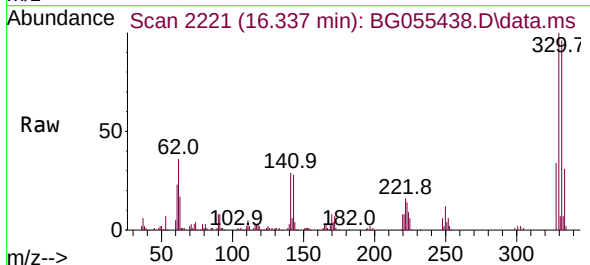
Tgt Ion:237 Resp: 124454
Ion Ratio Lower Upper
237 100
235 63.5 38.1 78.1
272 13.4 0.0 33.7

Manual Integrations
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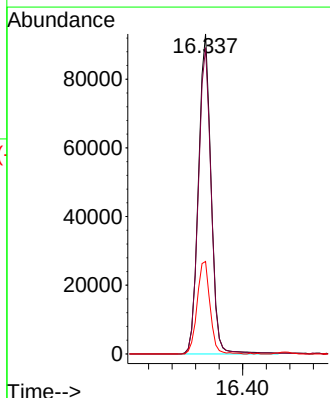
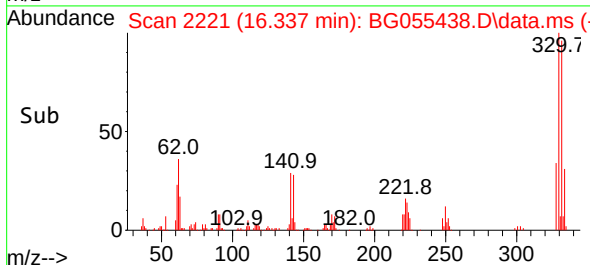
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

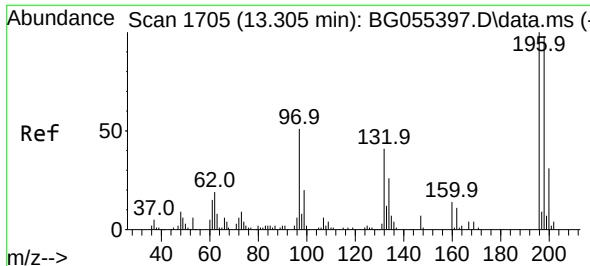


#42
2,4,6-Tribromophenol
Concen: 114.839 ng
RT: 16.337 min Scan# 2221
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



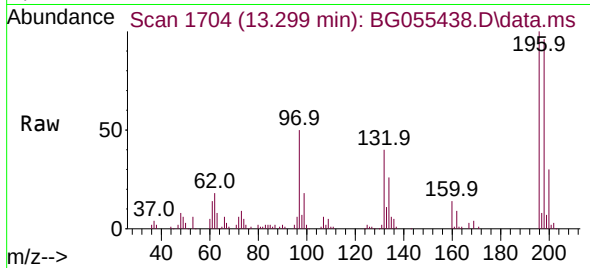
Tgt Ion:330 Resp: 138574
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 29.5 24.2 36.2





#43
2,4,6-Trichlorophenol
Concen: 44.407 ng
RT: 13.299 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

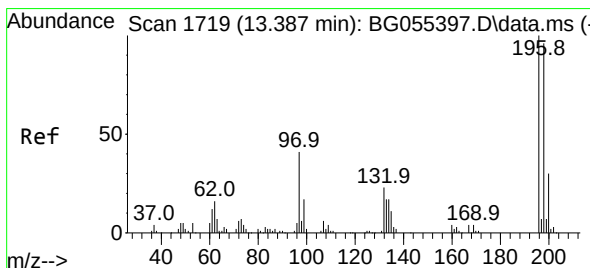
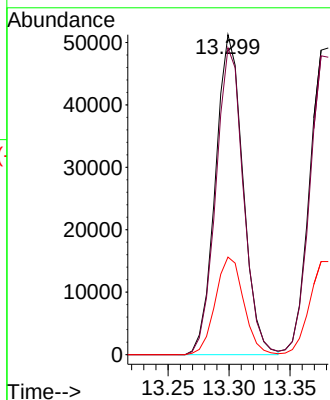
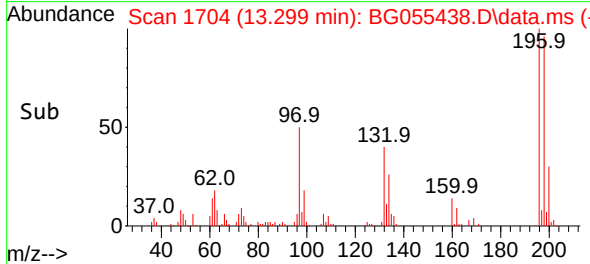
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



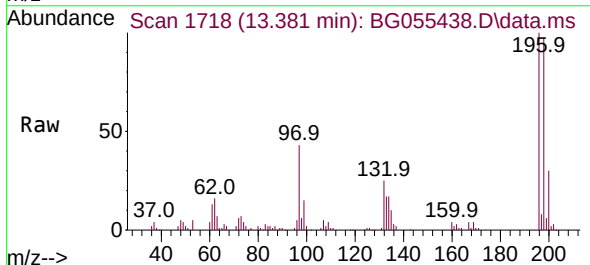
Tgt Ion:196 Resp: 80813
Ion Ratio Lower Upper
196 100
198 95.9 78.8 118.2
200 30.5 25.0 37.6

Manual Integrations
APPROVED

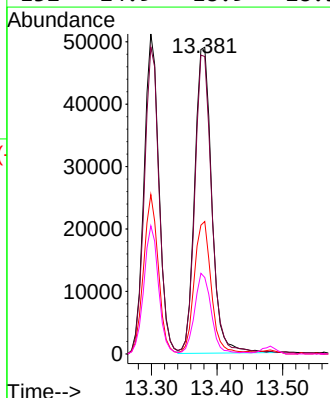
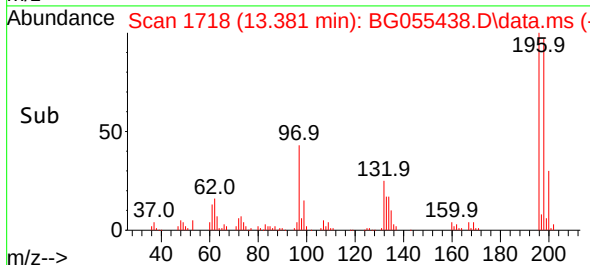
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

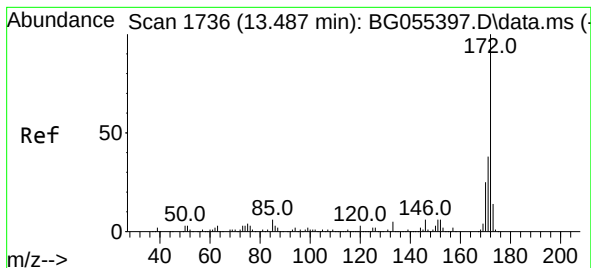


#44
2,4,5-Trichlorophenol
Concen: 43.536 ng
RT: 13.381 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



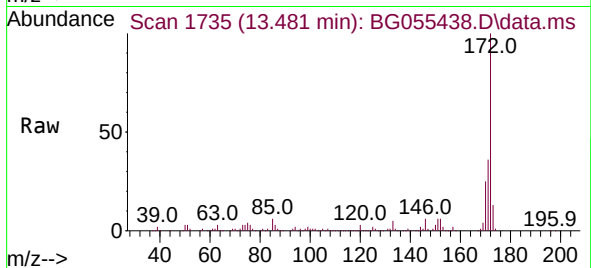
Tgt Ion:196 Resp: 88250
Ion Ratio Lower Upper
196 100
198 97.0 76.9 115.3
97 43.2 33.1 49.7
132 24.9 18.9 28.3





#45
2-Fluorobiphenyl
Concen: 61.127 ng
RT: 13.481 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

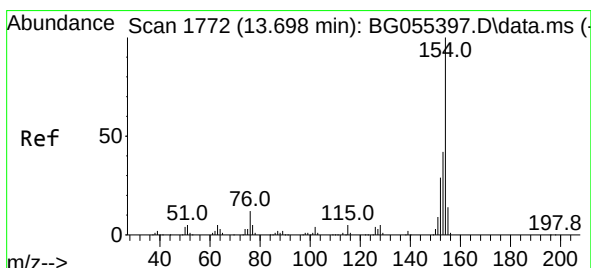
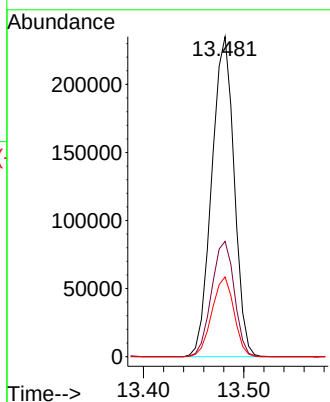
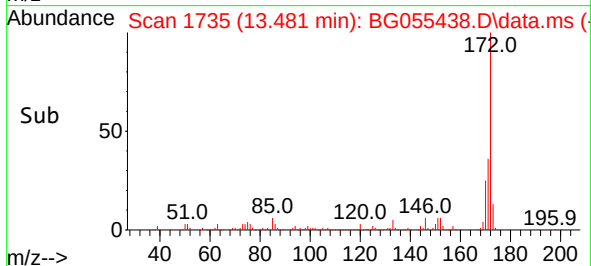
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



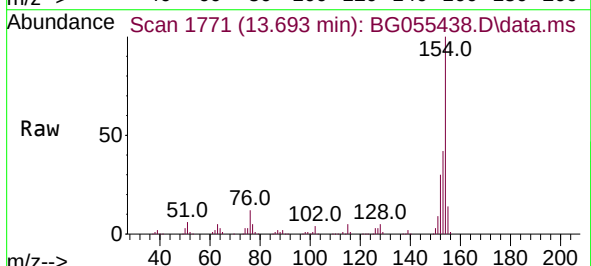
Tgt Ion:172 Resp: 364724
Ion Ratio Lower Upper
172 100
171 36.0 30.2 45.2
170 24.9 20.2 30.2

Manual Integrations
APPROVED

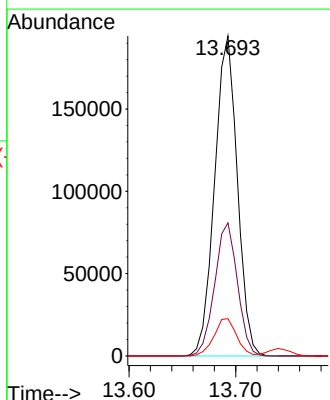
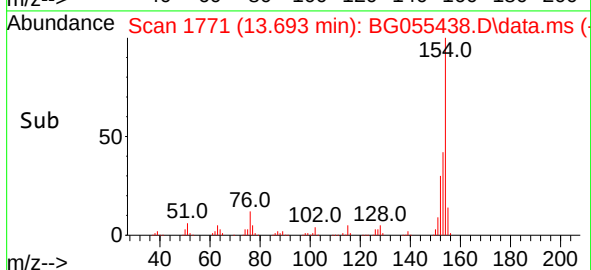
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

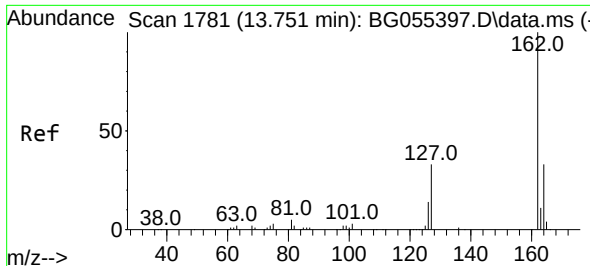


#46
1,1'-Biphenyl
Concen: 44.191 ng
RT: 13.693 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



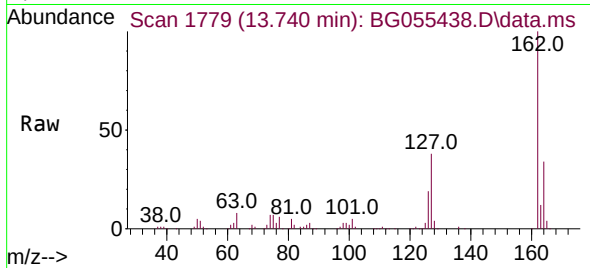
Tgt Ion:154 Resp: 287663
Ion Ratio Lower Upper
154 100
153 41.6 21.6 61.6
76 11.6 0.0 32.0





#47
2-Chloronaphthalene
Concen: 42.791 ng
RT: 13.740 min Scan# 1779
Delta R.T. -0.011 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

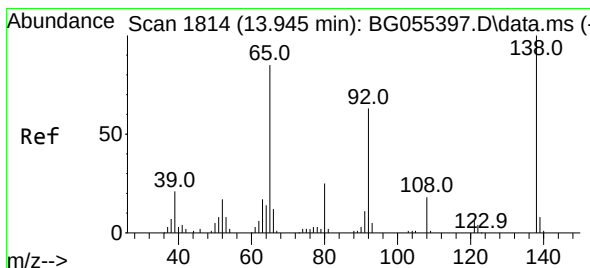
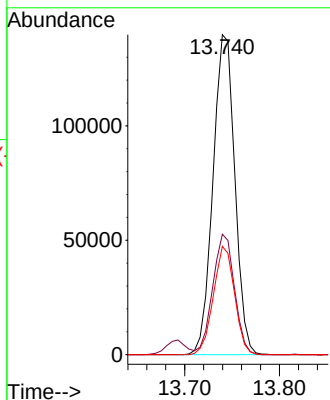
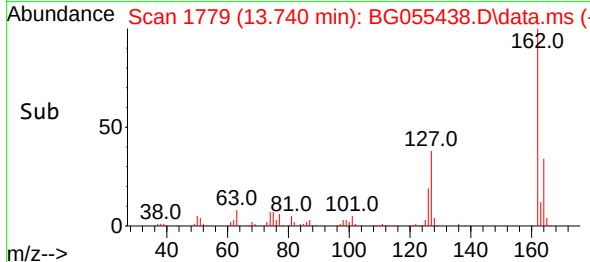
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:162 Resp: 223826
Ion Ratio Lower Upper
162 100
127 37.6 29.8 44.8
164 33.8 26.4 39.6

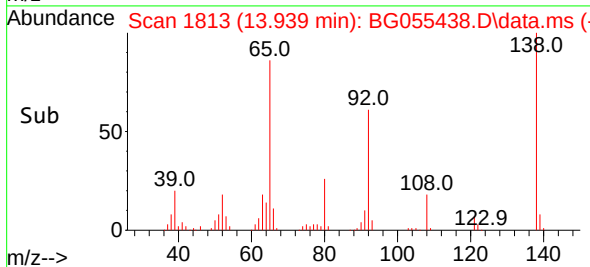
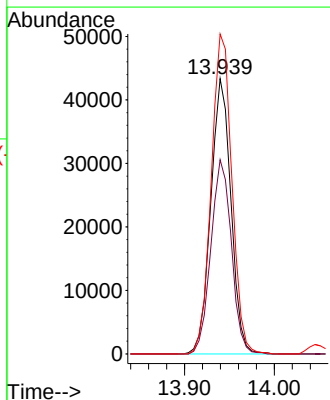
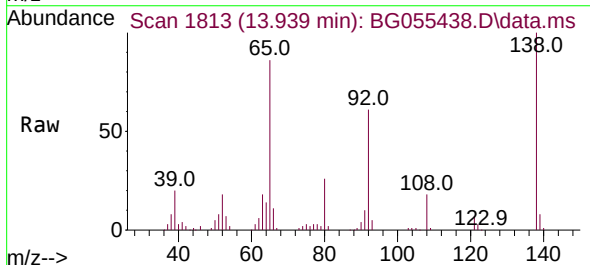
Manual Integrations
APPROVED

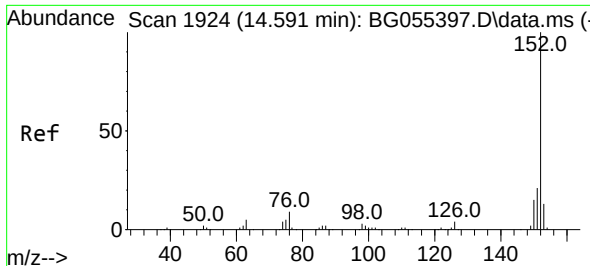
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#48
2-Nitroaniline
Concen: 42.190 ng
RT: 13.939 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

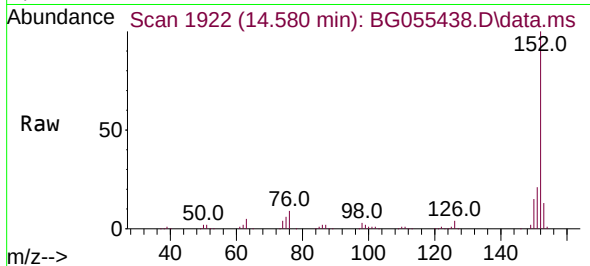
Tgt Ion: 65 Resp: 67782
Ion Ratio Lower Upper
65 100
92 70.5 59.4 89.0
138 116.3 93.8 140.8





#49
Acenaphthylene
Concen: 42.042 ng
RT: 14.580 min Scan# 1922
Delta R.T. -0.011 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

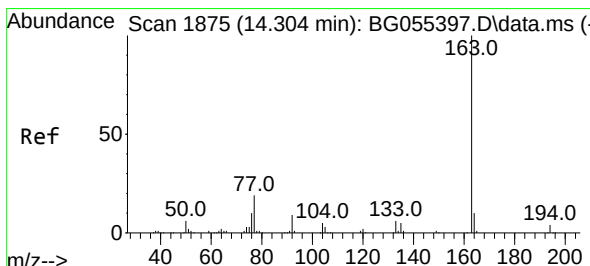
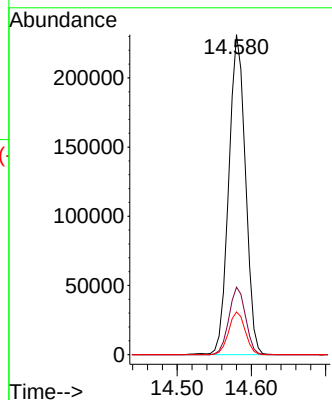
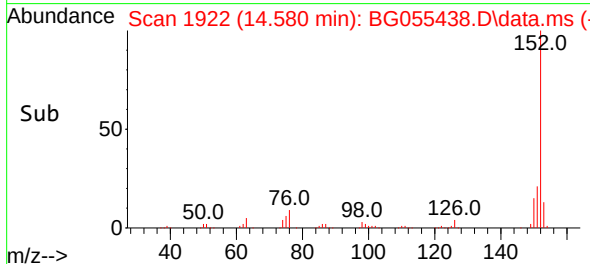
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



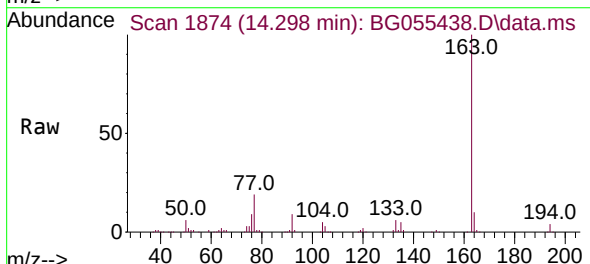
Tgt Ion:152 Resp: 361083
Ion Ratio Lower Upper
152 100
151 21.1 16.7 25.1
153 13.3 10.7 16.1

Manual Integrations
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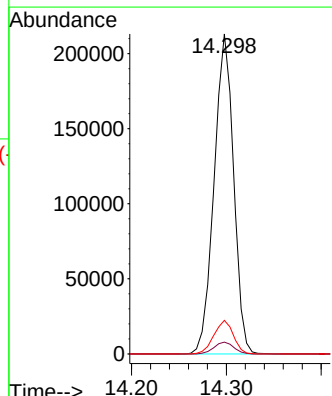
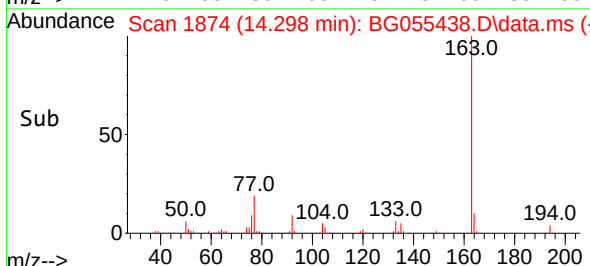
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

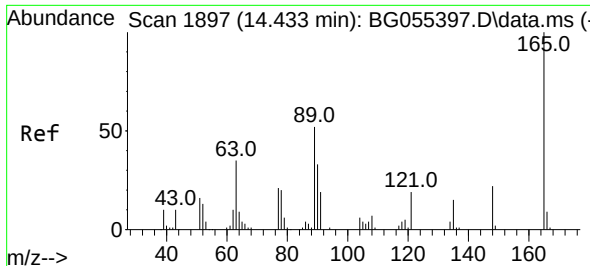


#50
Dimethylphthalate
Concen: 41.179 ng
RT: 14.298 min Scan# 1874
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



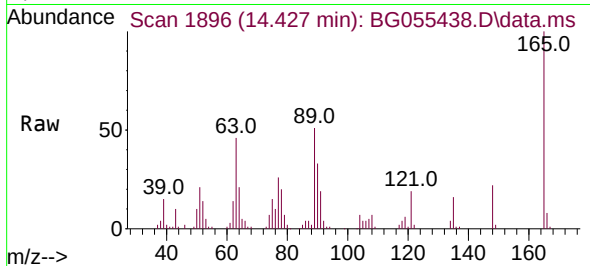
Tgt Ion:163 Resp: 304080
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 43.151 ng
RT: 14.427 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

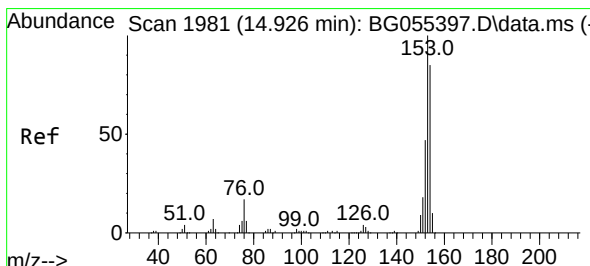
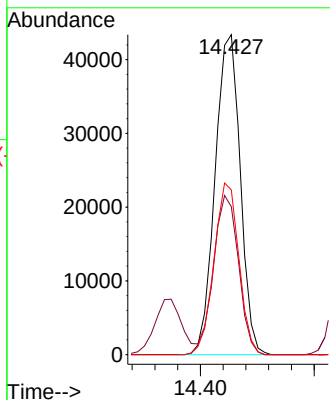
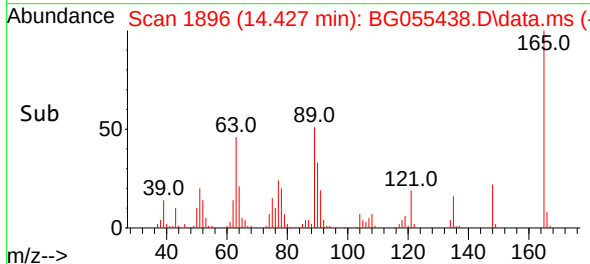
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



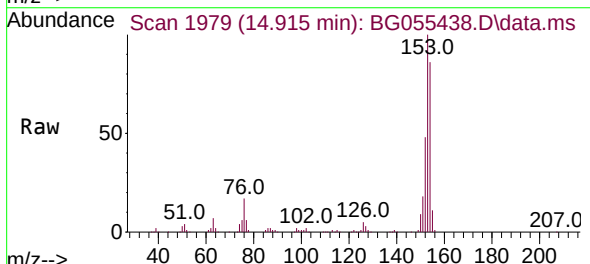
Tgt Ion:165 Resp: 66702
Ion Ratio Lower Upper
165 100
63 46.2 38.2 57.4
89 51.5 41.8 62.6

Manual Integrations
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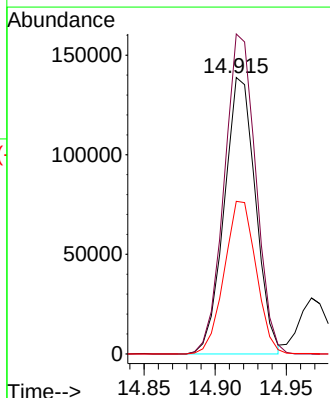
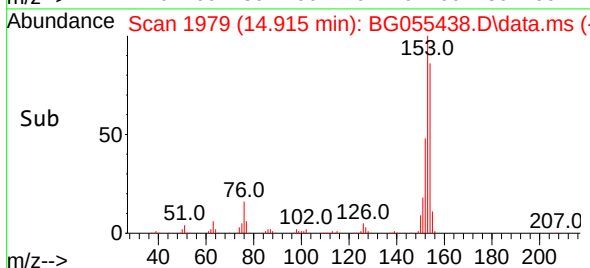
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

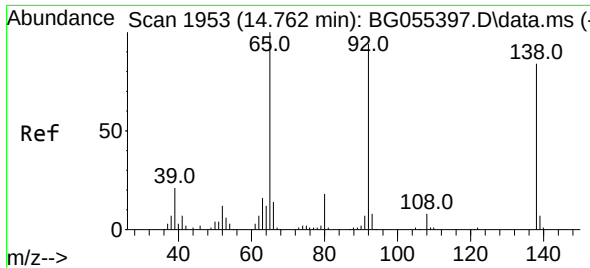


#52
Acenaphthene
Concen: 41.590 ng
RT: 14.915 min Scan# 1979
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



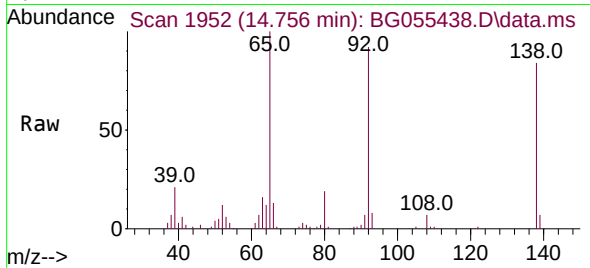
Tgt Ion:154 Resp: 212592
Ion Ratio Lower Upper
154 100
153 115.8 94.6 141.8
152 55.2 44.7 67.1





#53
3-Nitroaniline
Concen: 34.565 ng
RT: 14.756 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

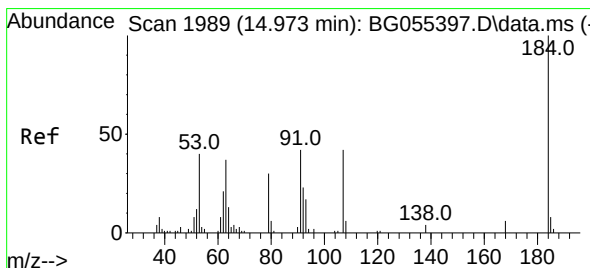
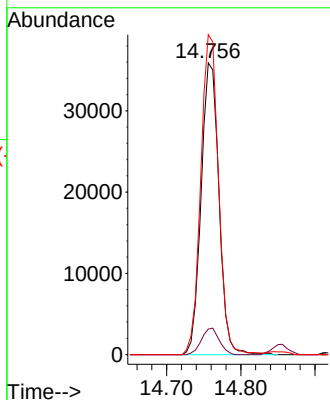
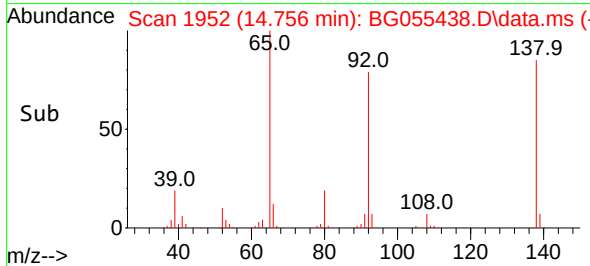
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



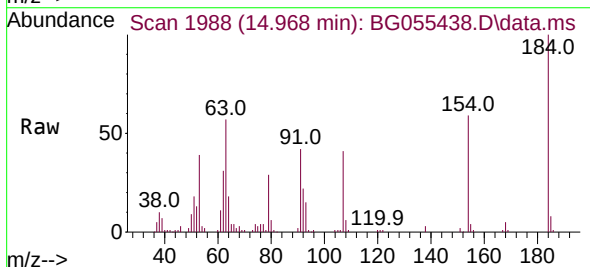
Tgt Ion:138 Resp: 60056
Ion Ratio Lower Upper
138 100
108 8.8 7.4 11.0
92 109.7 89.1 133.7

Manual Integrations
APPROVED

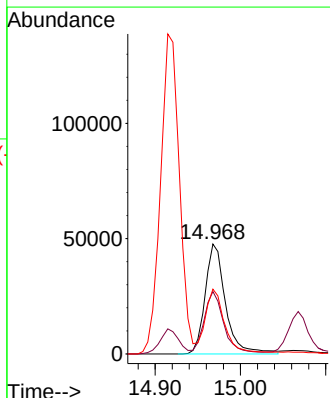
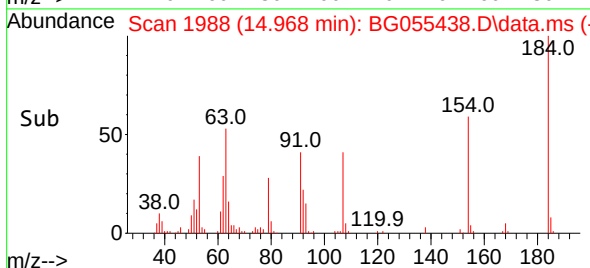
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

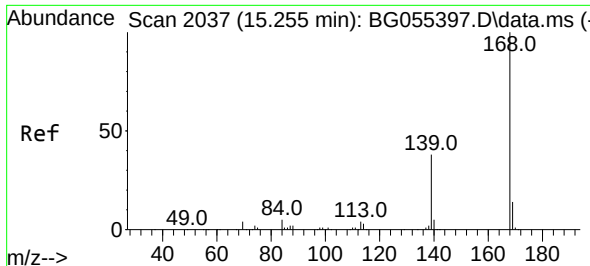


#54
2,4-Dinitrophenol
Concen: 84.504 ng
RT: 14.968 min Scan# 1988
Delta R.T. -0.005 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



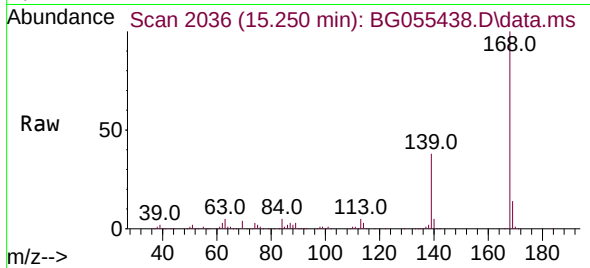
Tgt Ion:184 Resp: 79248
Ion Ratio Lower Upper
184 100
63 56.7 47.4 71.0
154 58.9 47.0 70.6





#55
Dibenzofuran
Concen: 42.403 ng
RT: 15.250 min Scan# 2037
Delta R.T. -0.005 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

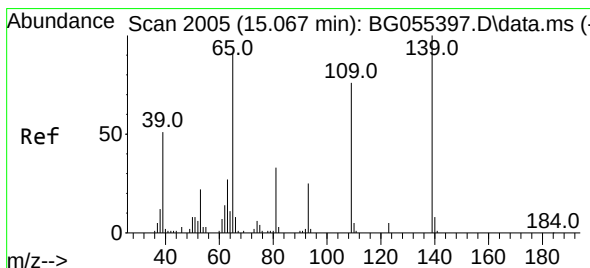
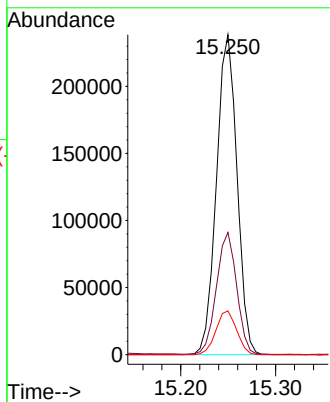
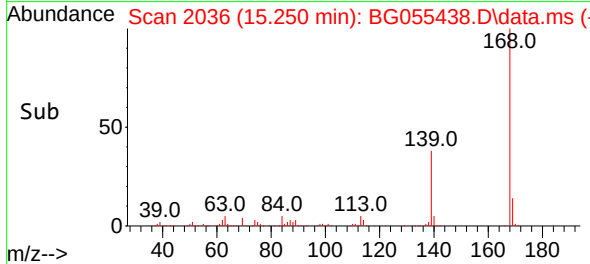
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:168 Resp: 358768
Ion Ratio Lower Upper
168 100
139 38.2 30.3 45.5
169 13.7 10.8 16.2

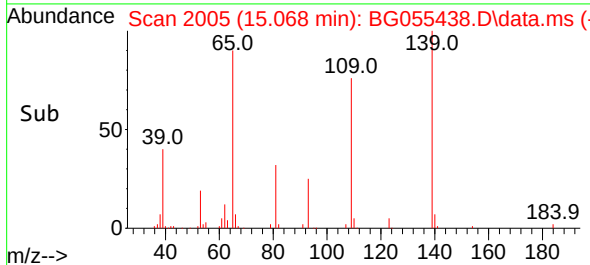
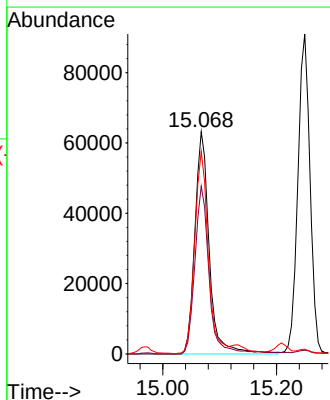
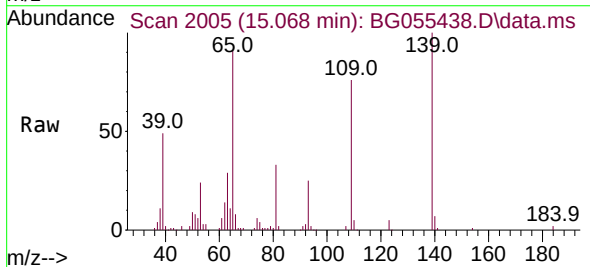
Manual Integrations
APPROVED

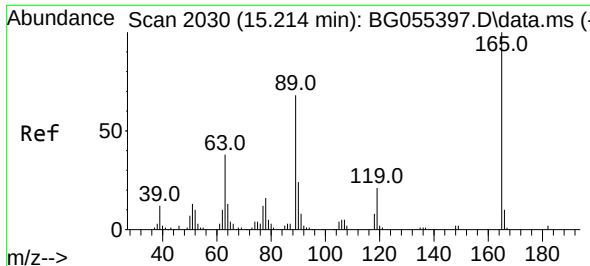
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#56
4-Nitrophenol
Concen: 92.790 ng
RT: 15.068 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

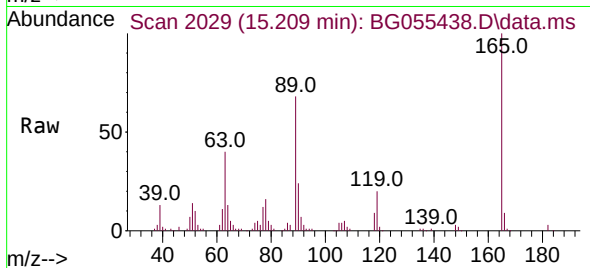
Tgt Ion:139 Resp: 110545
Ion Ratio Lower Upper
139 100
109 75.6 56.1 96.1
65 91.1 71.2 111.2





#57
2,4-Dinitrotoluene
Concen: 43.275 ng
RT: 15.209 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

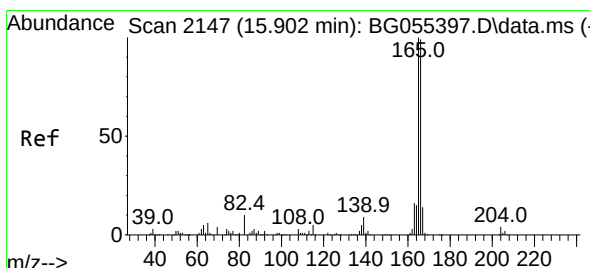
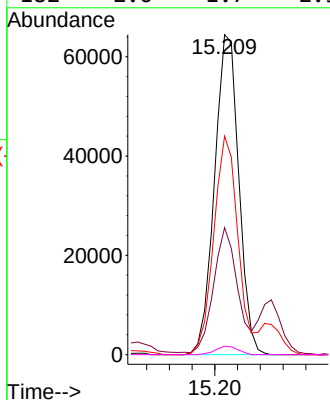
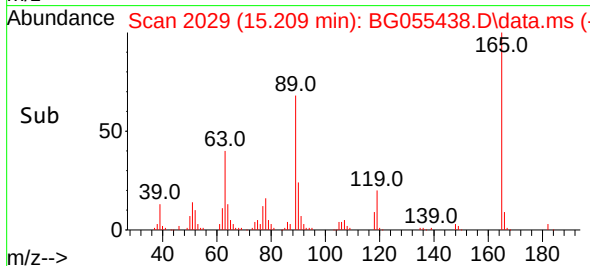
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:165 Resp: 95656
Ion Ratio Lower Upper
165 100
63 39.7 30.8 46.2
89 68.3 54.5 81.7
182 2.6 1.7 2.5#

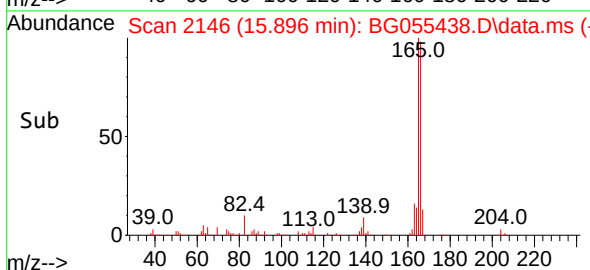
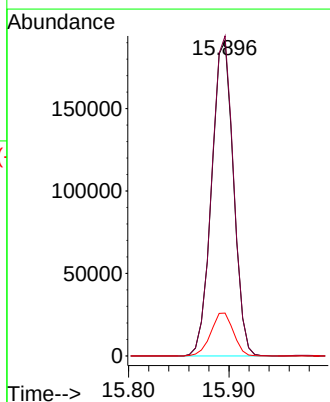
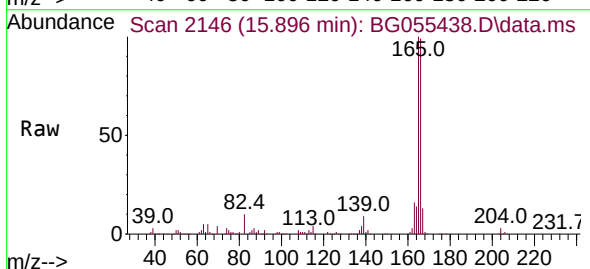
Manual Integrations
APPROVED

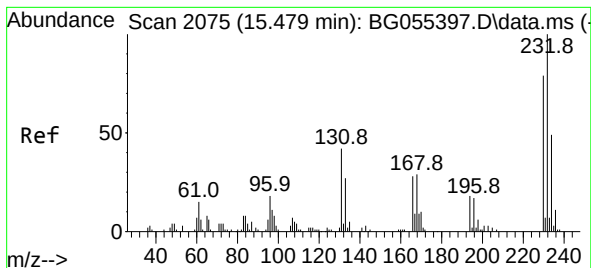
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#58
Fluorene
Concen: 42.007 ng
RT: 15.896 min Scan# 2146
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

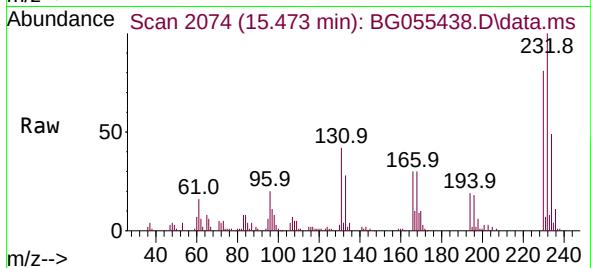
Tgt Ion:166 Resp: 288725
Ion Ratio Lower Upper
166 100
165 101.5 81.0 121.6
167 13.6 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.147 ng
RT: 15.473 min Scan# 2075
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

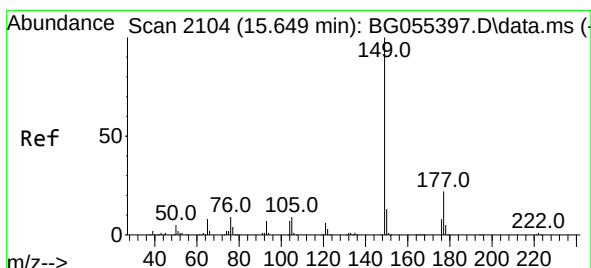
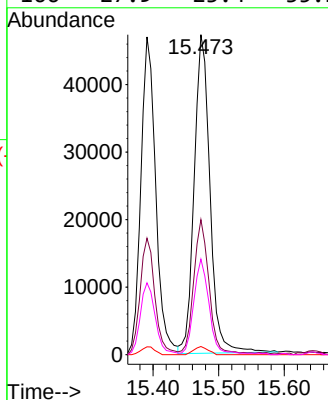
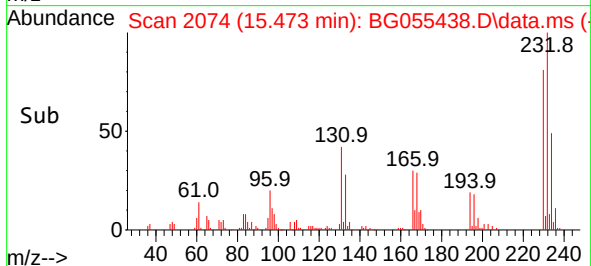
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:232 Resp: 78642
Ion Ratio Lower Upper
232 100
131 40.0 33.1 49.7
130 2.2 1.6 2.4
166 27.9 23.4 35.2

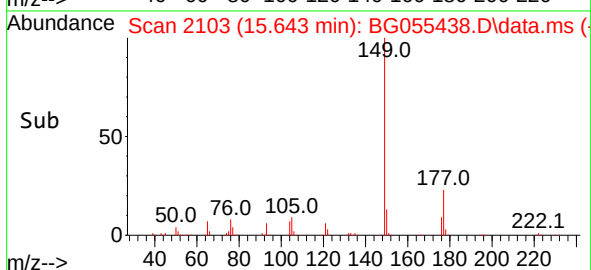
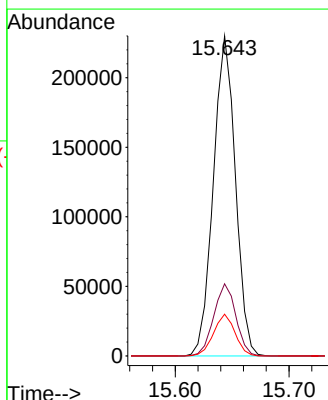
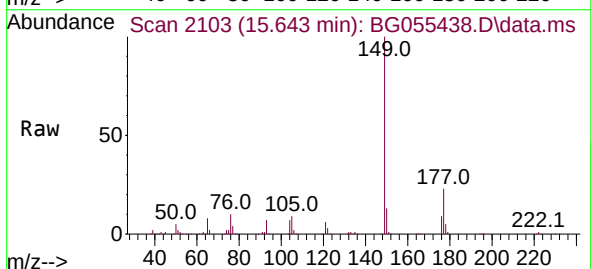
Manual Integrations
APPROVED

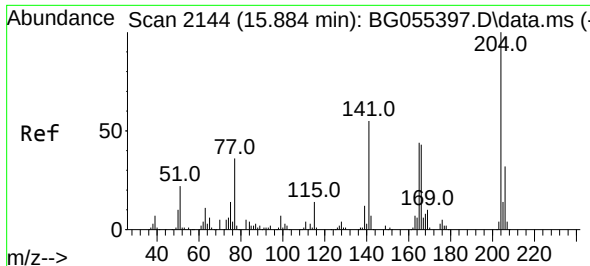
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#60
Diethylphthalate
Concen: 40.350 ng
RT: 15.643 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

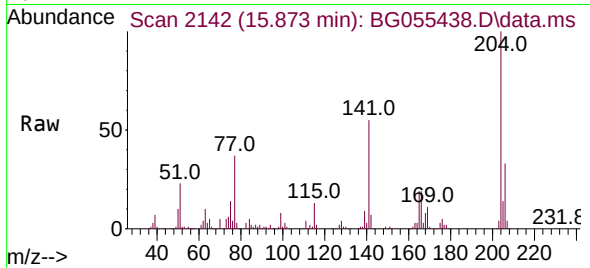
Tgt Ion:149 Resp: 309644
Ion Ratio Lower Upper
149 100
177 22.5 17.7 26.5
150 13.0 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 43.698 ng
RT: 15.873 min Scan# 2144
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

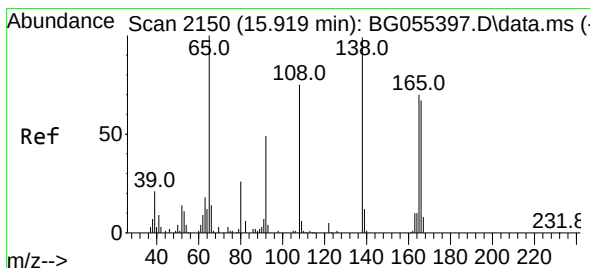
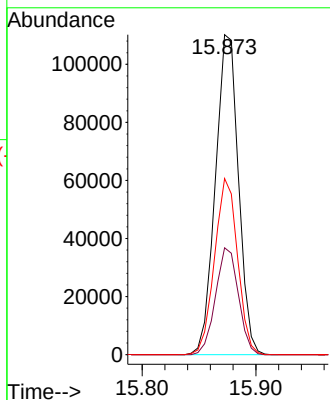
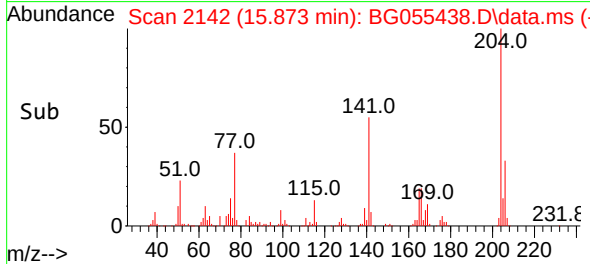
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:204 Resp: 155282
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.8
141 55.0 44.0 66.0

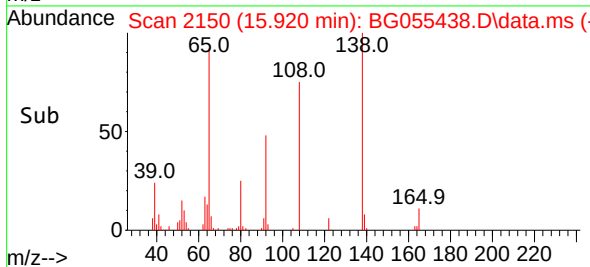
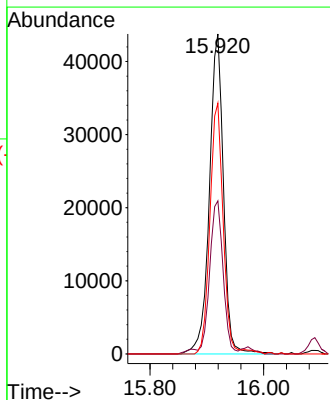
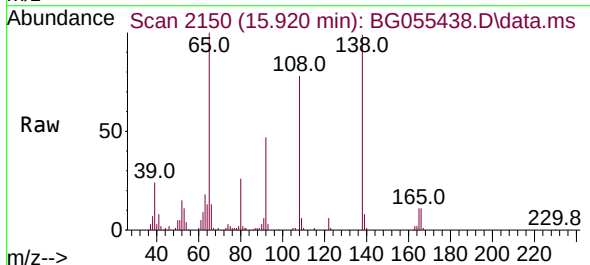
Manual Integrations
APPROVED

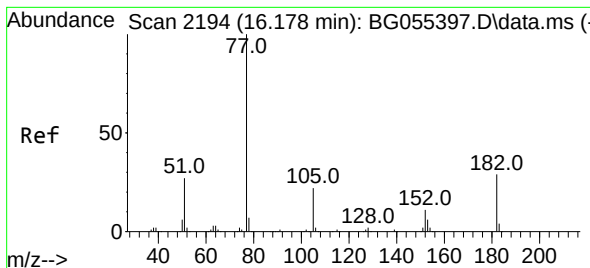
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#62
4-Nitroaniline
Concen: 40.993 ng
RT: 15.920 min Scan# 2150
Delta R.T. 0.000 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

Tgt Ion:138 Resp: 75355
Ion Ratio Lower Upper
138 100
92 47.8 29.2 69.2
108 78.3 55.9 95.9





#63

Azobenzene

Concen: 41.157 ng

RT: 16.166 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BG055438.D

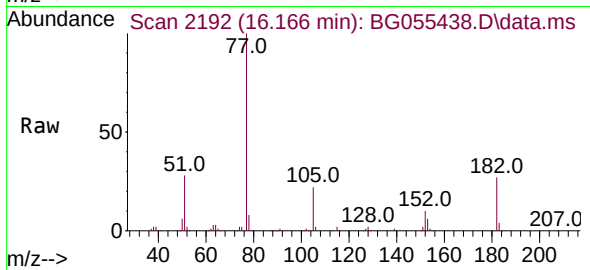
Acq: 3 Nov 2022 15:12

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMS



Tgt Ion: 77 Resp: 262540

Ion Ratio Lower Upper

77 100

182 27.2 9.0 49.0

105 22.3 2.2 42.2

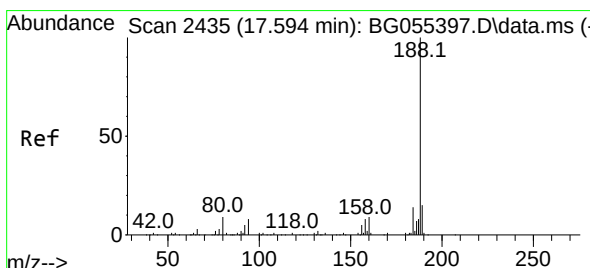
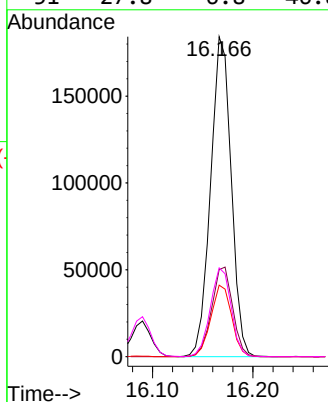
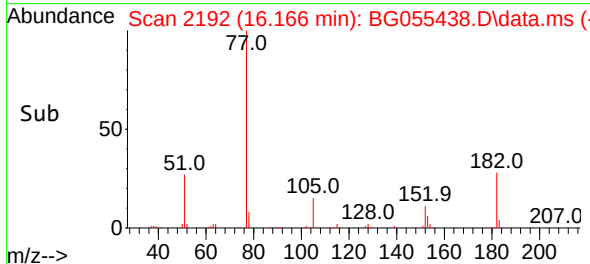
51 27.8 6.8 46.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.588 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

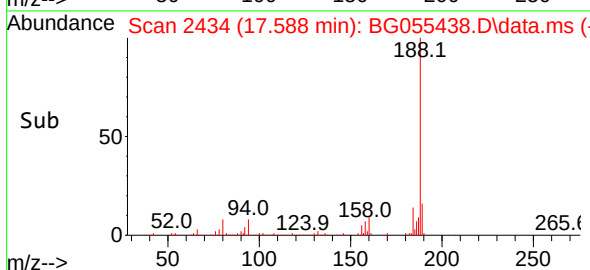
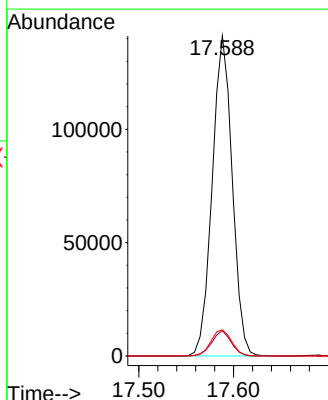
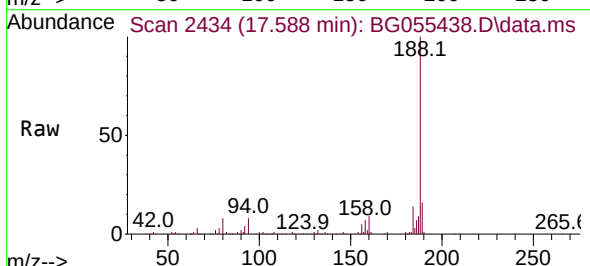
Tgt Ion:188 Resp: 206947

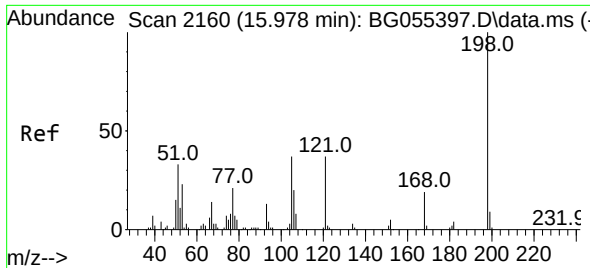
Ion Ratio Lower Upper

188 100

94 7.9 6.5 9.7

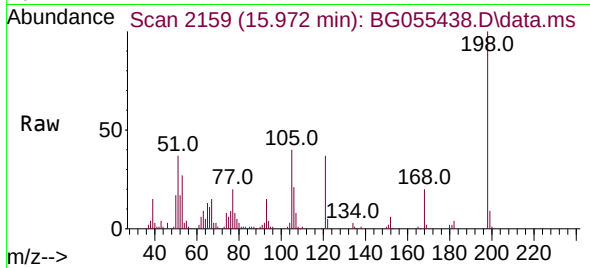
80 8.1 7.4 11.0





#65
4,6-Dinitro-2-methylphenol
Concen: 42.966 ng
RT: 15.972 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

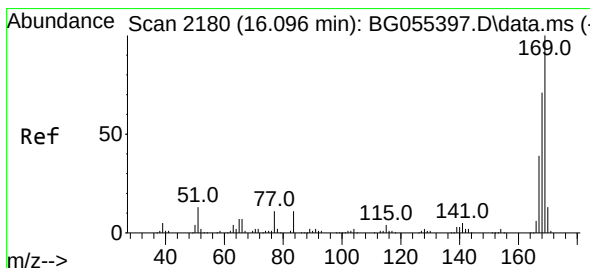
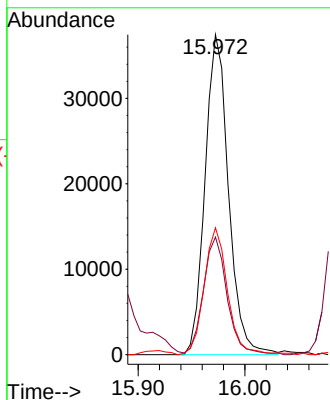
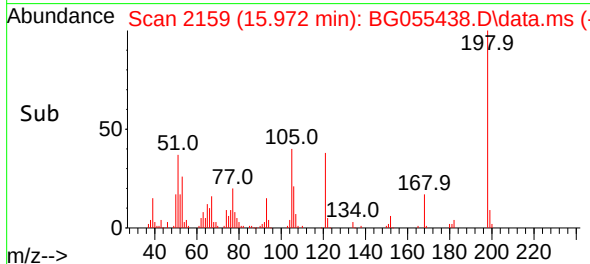
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



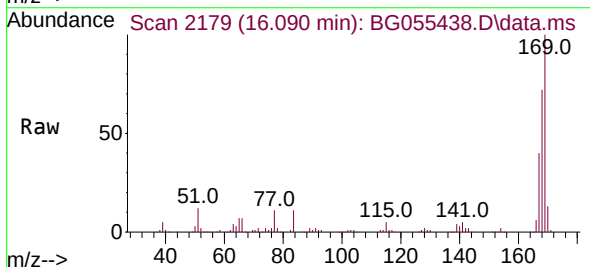
Tgt Ion:198 Resp: 57275
Ion Ratio Lower Upper
198 100
51 36.7 14.8 54.8
105 39.6 17.6 57.6

Manual Integrations
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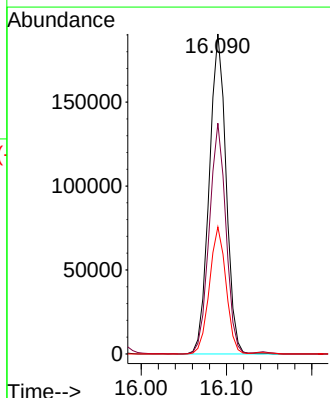
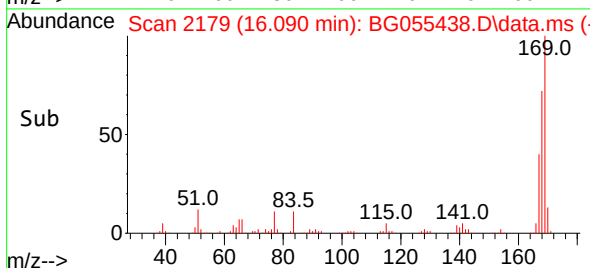
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

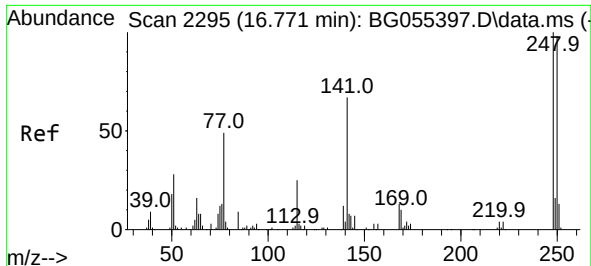


#66
n-Nitrosodiphenylamine
Concen: 42.412 ng
RT: 16.090 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



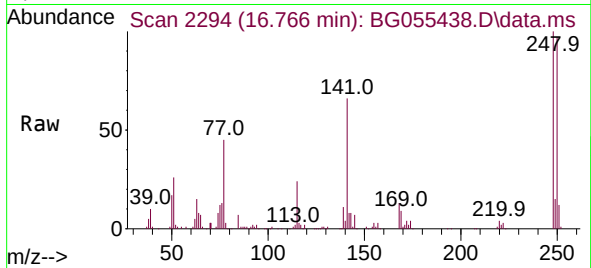
Tgt Ion:169 Resp: 260950
Ion Ratio Lower Upper
169 100
168 72.1 57.0 85.4
167 39.7 31.0 46.6





#67
4-Bromophenyl-phenylether
Concen: 43.581 ng
RT: 16.766 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

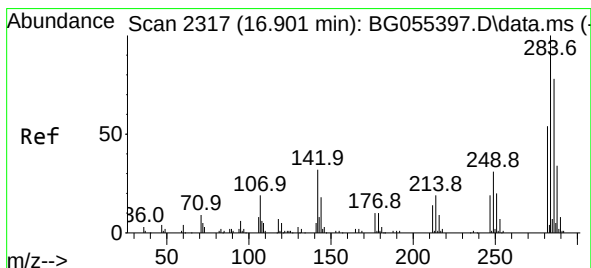
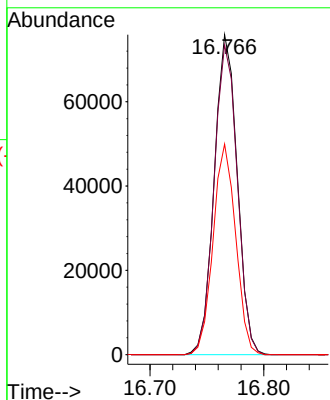
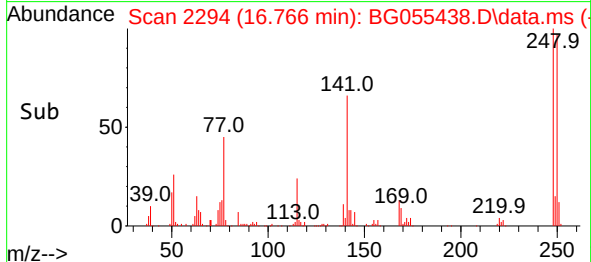
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



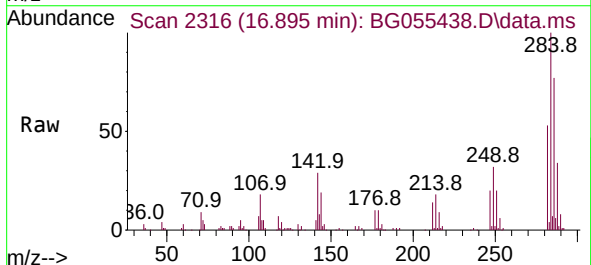
Tgt Ion:248 Resp: 106612
Ion Ratio Lower Upper
248 100
250 96.8 78.3 117.5
141 65.8 53.7 80.5

Manual Integrations
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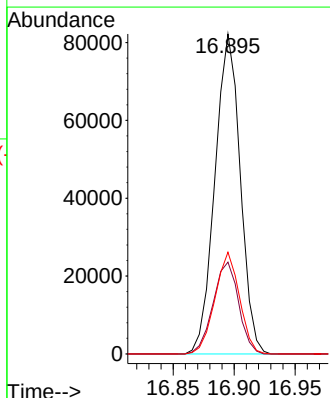
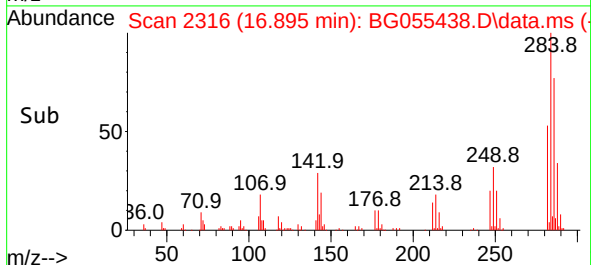
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

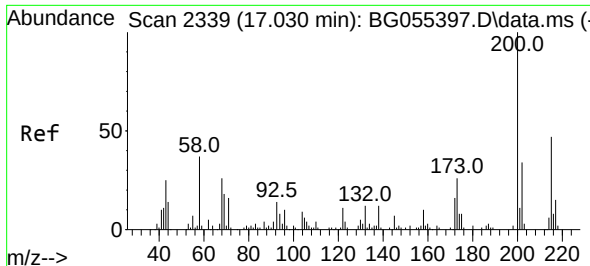


#68
Hexachlorobenzene
Concen: 42.555 ng
RT: 16.895 min Scan# 2316
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



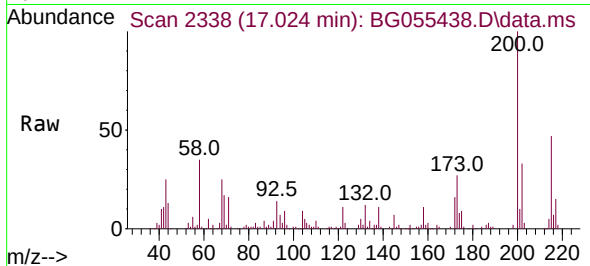
Tgt Ion:284 Resp: 118717
Ion Ratio Lower Upper
284 100
142 28.7 25.4 38.2
249 31.8 24.9 37.3





#69
 Atrazine
 Concen: 51.484 ng
 RT: 17.024 min Scan# 2338
 Delta R.T. -0.006 min
 Lab File: BG055438.D
 Acq: 3 Nov 2022 15:12

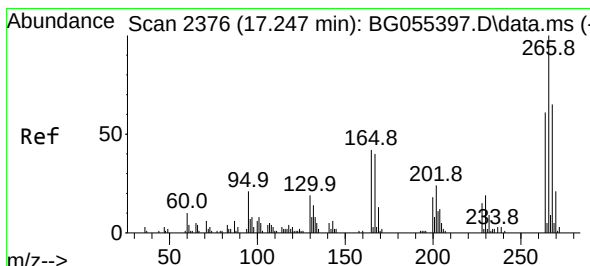
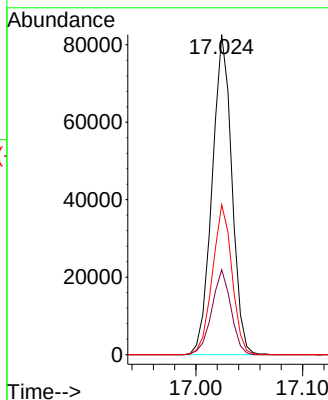
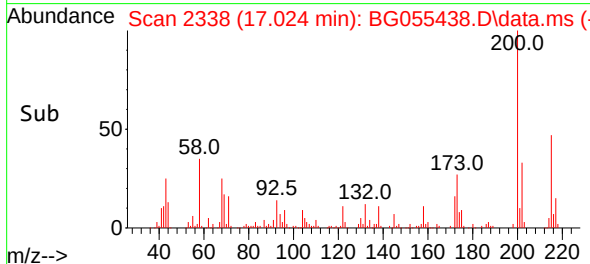
Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMS



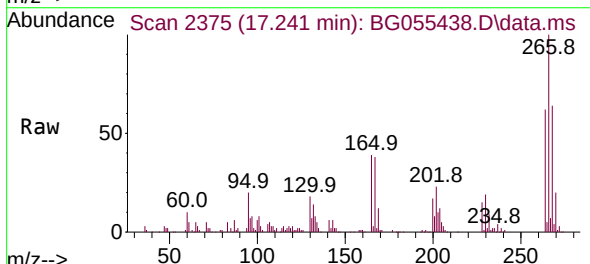
Tgt Ion:200 Resp: 106345
 Ion Ratio Lower Upper
 200 100
 173 26.5 5.8 45.8
 215 46.8 27.4 67.4

Manual Integrations
 APPROVED

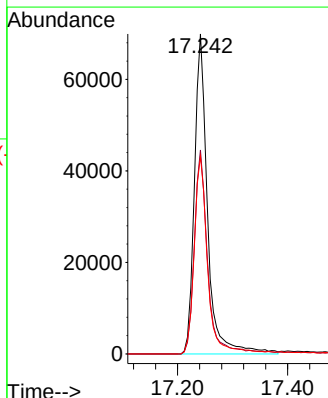
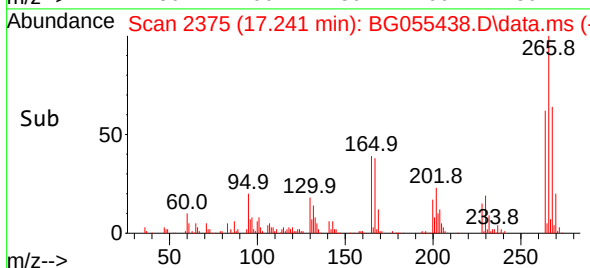
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022

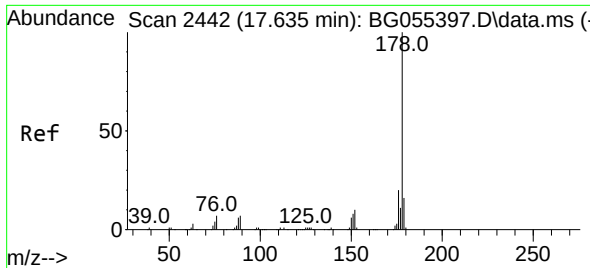


#70
 Pentachlorophenol
 Concen: 80.282 ng
 RT: 17.241 min Scan# 2375
 Delta R.T. -0.006 min
 Lab File: BG055438.D
 Acq: 3 Nov 2022 15:12



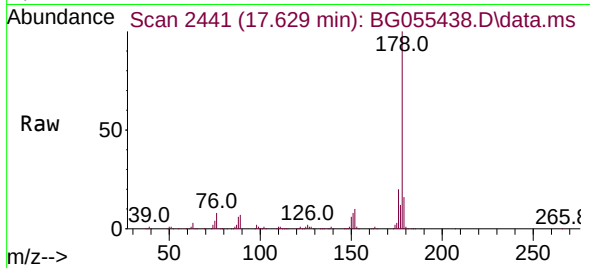
Tgt Ion:266 Resp: 116102
 Ion Ratio Lower Upper
 266 100
 268 63.7 52.2 78.4
 264 61.8 49.2 73.8





#71
Phenanthrene
Concen: 41.959 ng
RT: 17.629 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

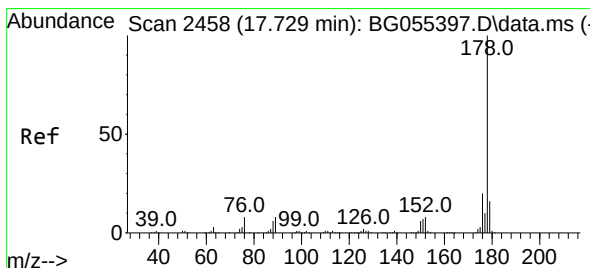
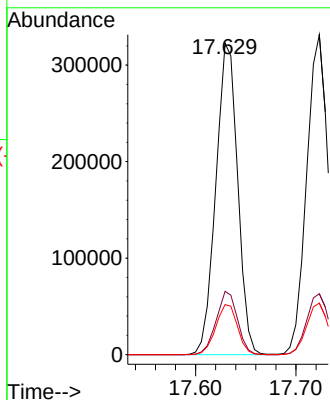
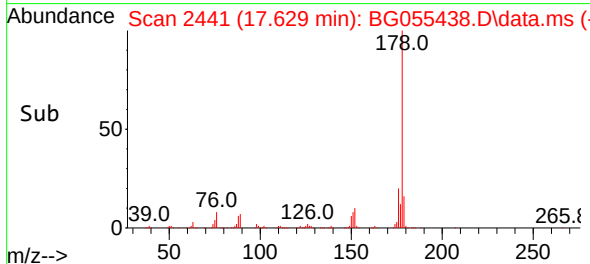
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:178 Resp: 488423
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 16.0 12.7 19.1

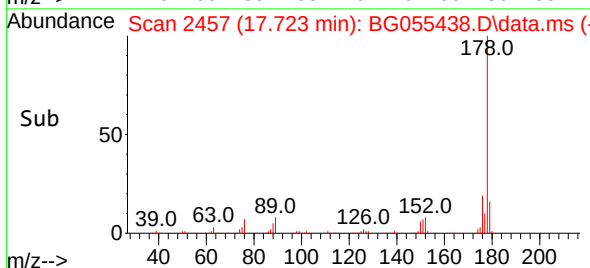
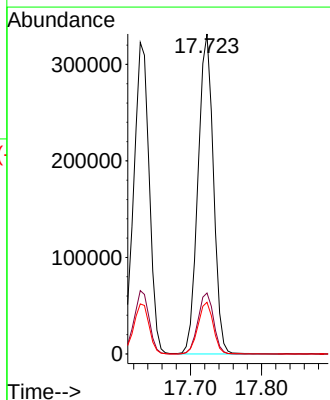
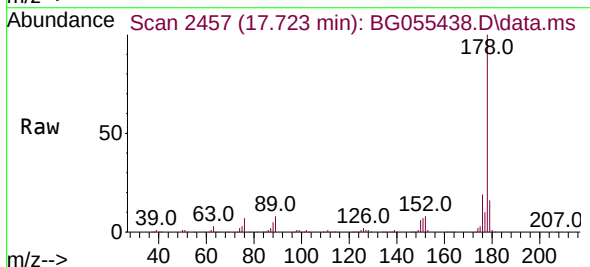
Manual Integrations
APPROVED

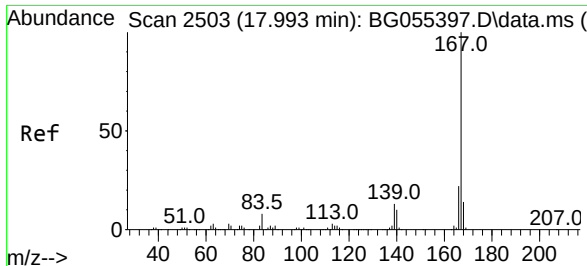
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#72
Anthracene
Concen: 43.544 ng
RT: 17.723 min Scan# 2457
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

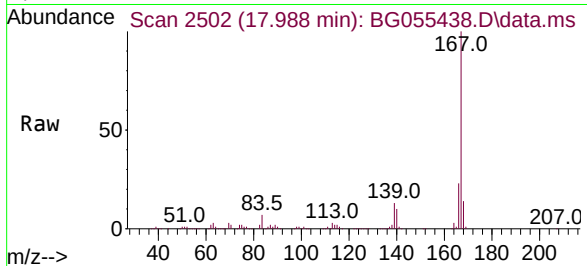
Tgt Ion:178 Resp: 496824
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 16.1 13.0 19.6





#73
Carbazole
Concen: 43.282 ng
RT: 17.988 min Scan# 2502
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

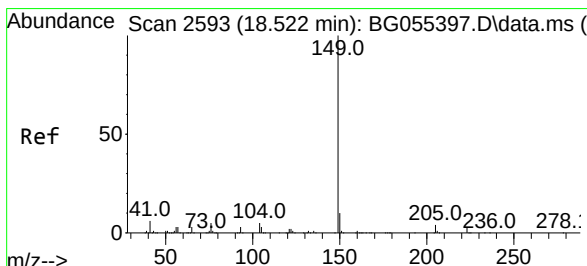
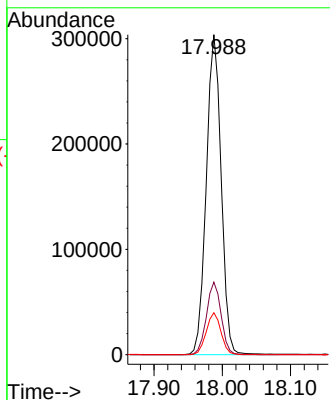
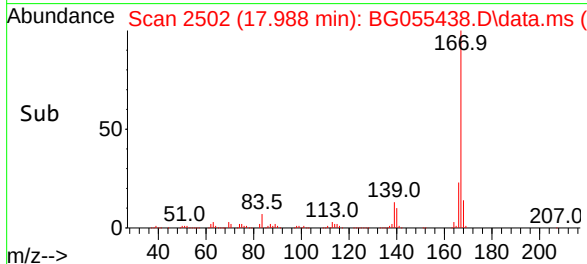
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:167 Resp: 459454
Ion Ratio Lower Upper
167 100
166 22.6 17.9 26.9
139 13.1 10.4 15.6

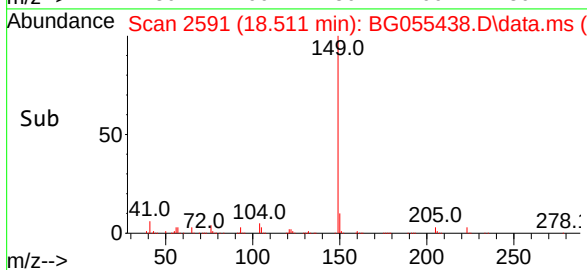
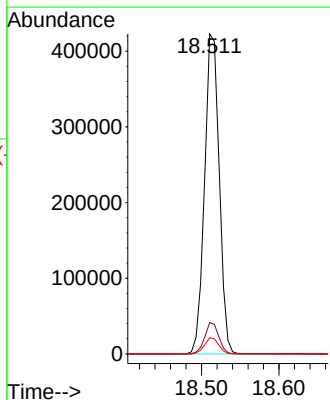
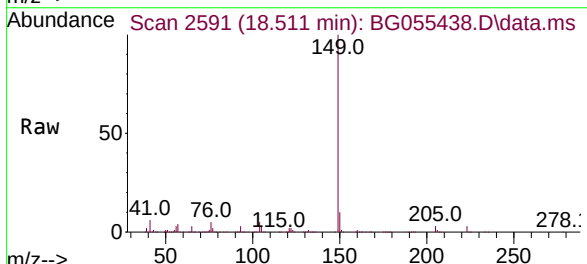
Manual Integrations
APPROVED

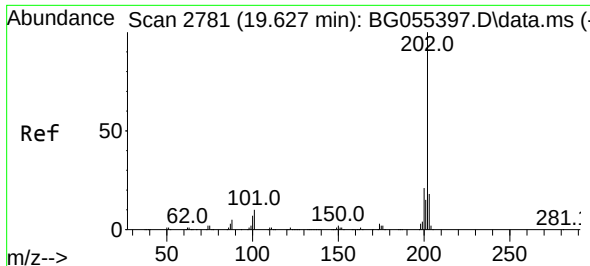
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#74
Di-n-butylphthalate
Concen: 41.891 ng
RT: 18.511 min Scan# 2591
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

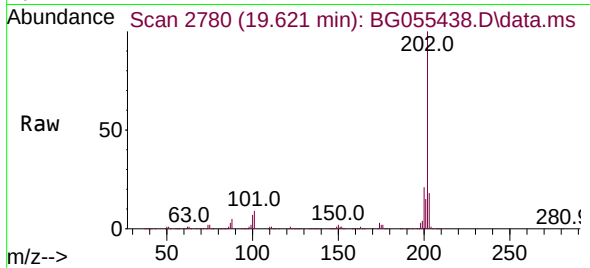
Tgt Ion:149 Resp: 555392
Ion Ratio Lower Upper
149 100
150 9.8 7.6 11.4
104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 42.279 ng
RT: 19.621 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

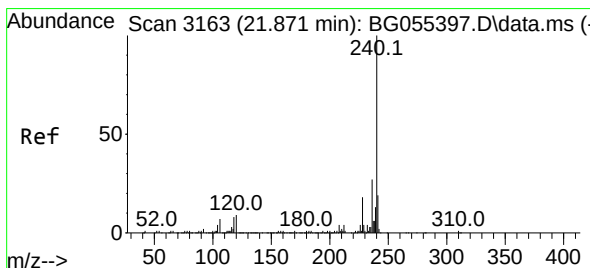
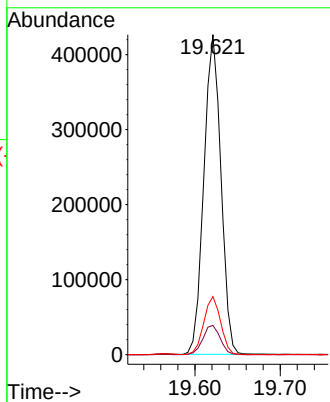
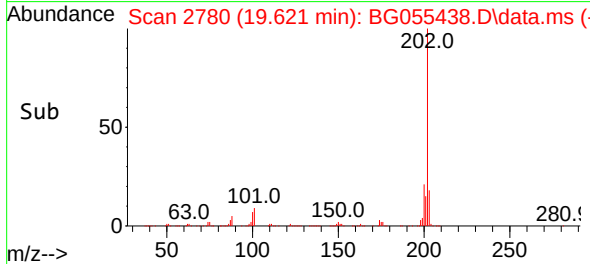
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:202 Resp: 59199
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.8
203 18.1 0.0 38.1

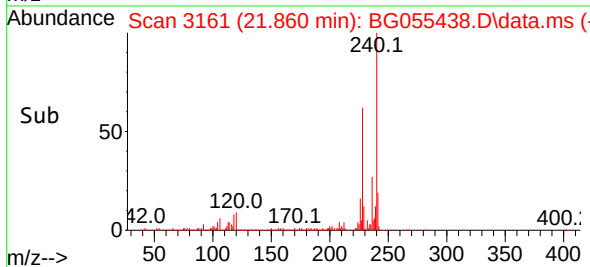
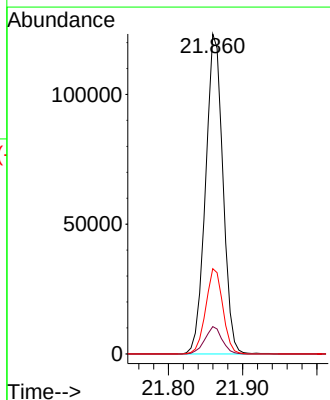
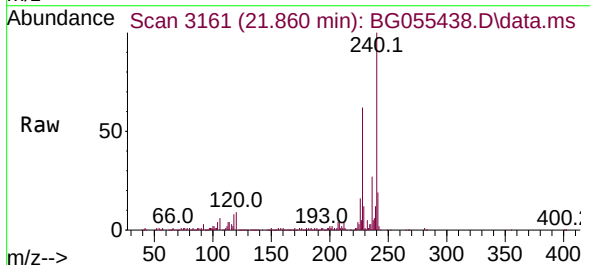
Manual Integrations
APPROVED

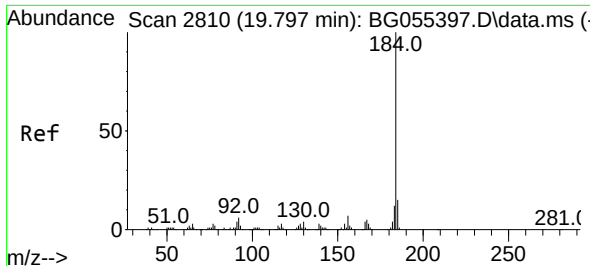
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3161
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

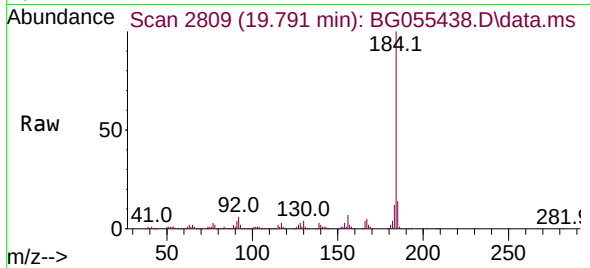
Tgt Ion:240 Resp: 199656
Ion Ratio Lower Upper
240 100
120 8.5 6.9 10.3
236 26.6 21.5 32.3





#77
Benzidine
Concen: 102.313 ng
RT: 19.791 min Scan# 2809
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

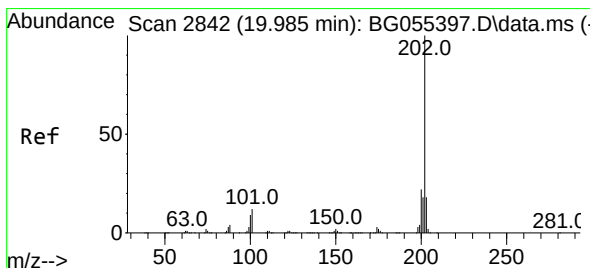
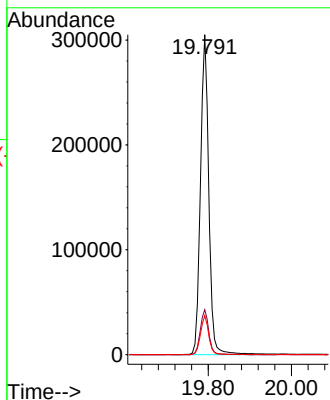
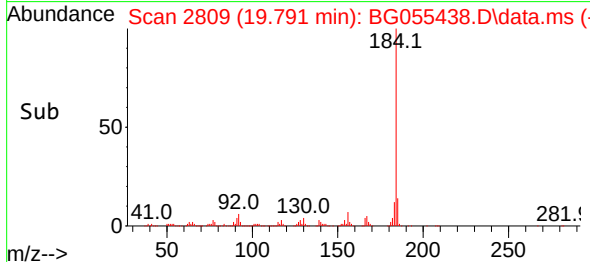
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:184 Resp: 425286
Ion Ratio Lower Upper
184 100
185 14.0 11.7 17.5
183 12.2 9.8 14.8

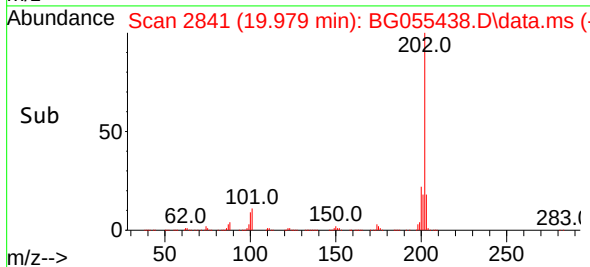
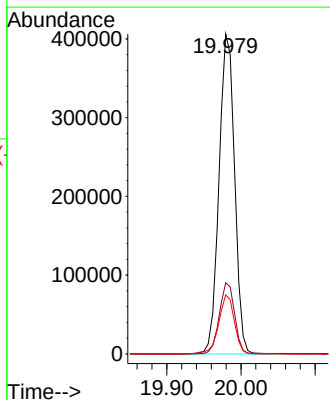
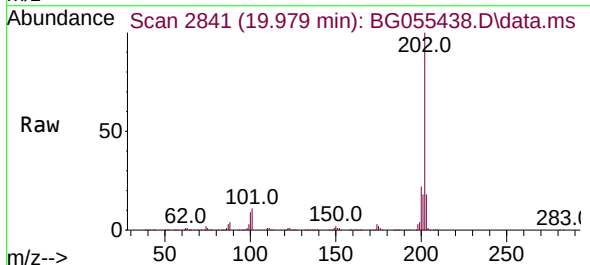
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APPROVED

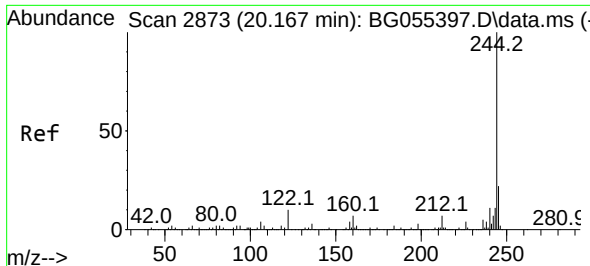
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#78
Pyrene
Concen: 42.030 ng
RT: 19.979 min Scan# 2841
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

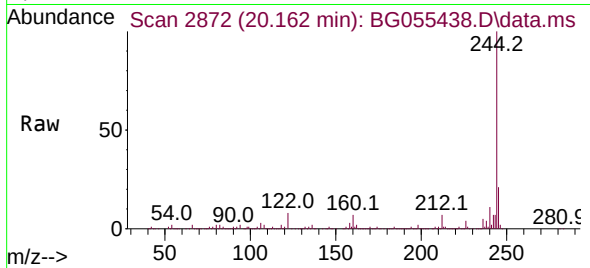
Tgt Ion:202 Resp: 591988
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.4 14.7 22.1





#79
 Terphenyl-d14
 Concen: 61.140 ng
 RT: 20.162 min Scan# 2873
 Delta R.T. -0.006 min
 Lab File: BG055438.D
 Acq: 3 Nov 2022 15:12

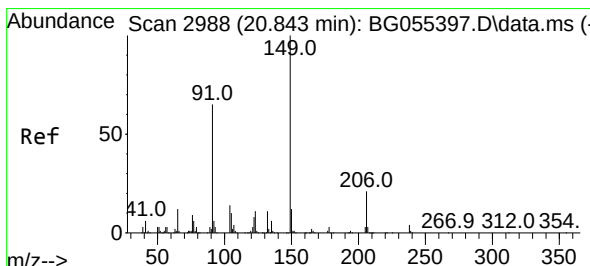
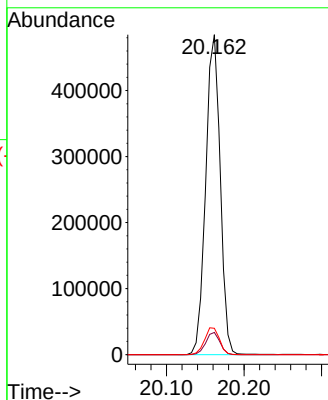
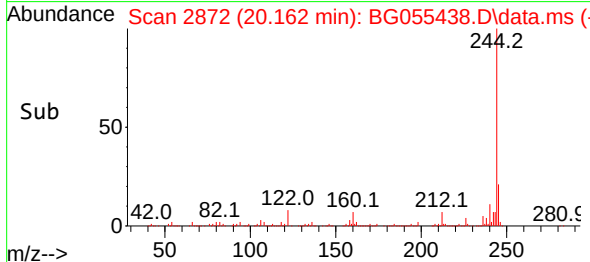
Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMS



Tgt Ion:244 Resp: 627758
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 8.2 7.8 11.6

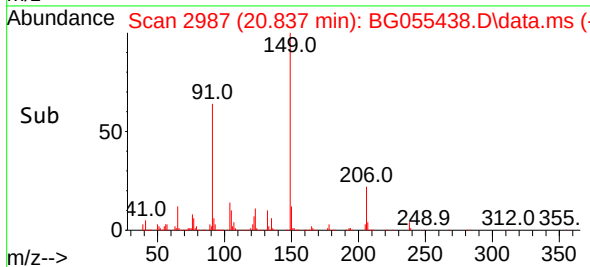
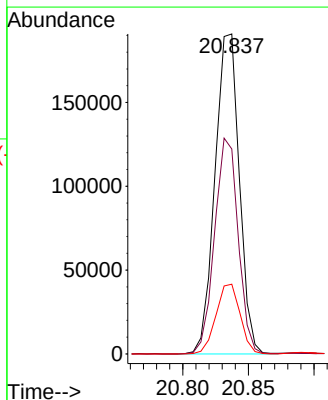
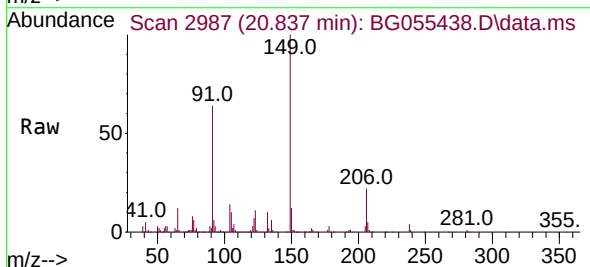
Manual Integrations
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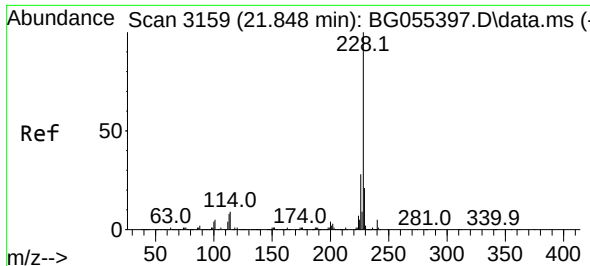
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#80
 Butylbenzylphthalate
 Concen: 42.014 ng
 RT: 20.837 min Scan# 2987
 Delta R.T. -0.006 min
 Lab File: BG055438.D
 Acq: 3 Nov 2022 15:12

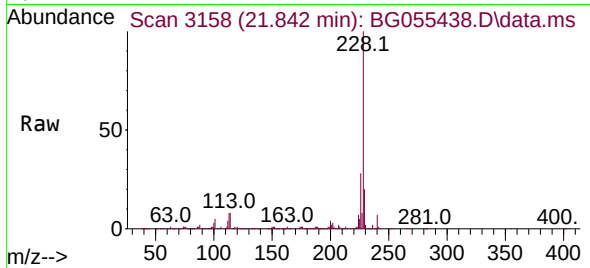
Tgt Ion:149 Resp: 246716
 Ion Ratio Lower Upper
 149 100
 91 64.0 52.4 78.6
 206 21.8 17.2 25.8





#81
Benzo(a)anthracene
Concen: 42.054 ng
RT: 21.842 min Scan# 3159
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

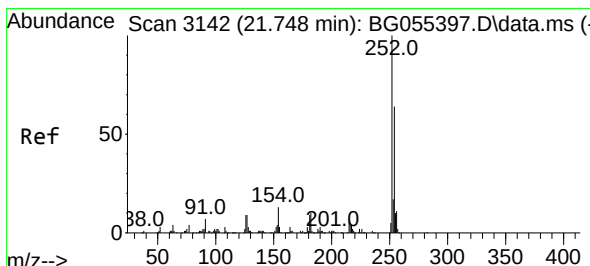
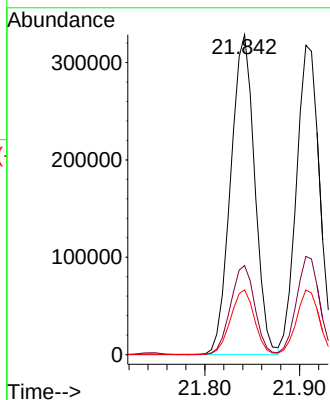
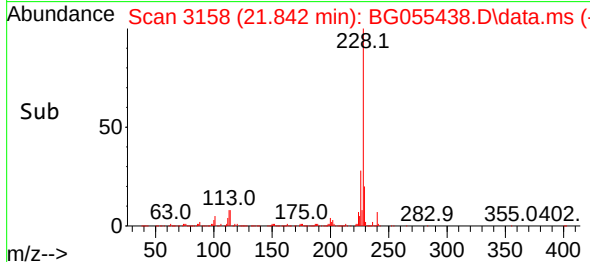
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:228 Resp: 576369
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 20.2 16.5 24.7

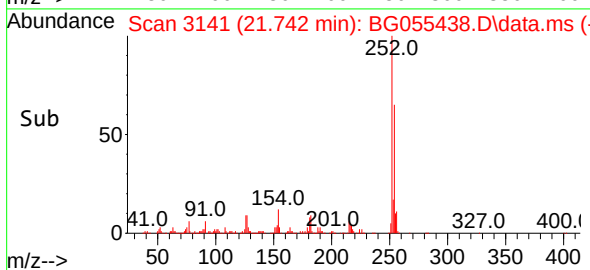
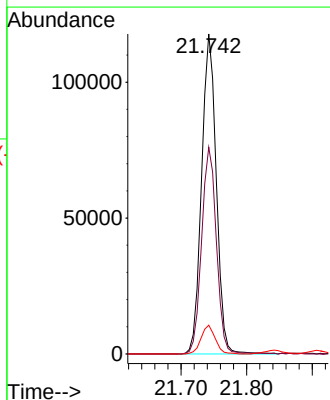
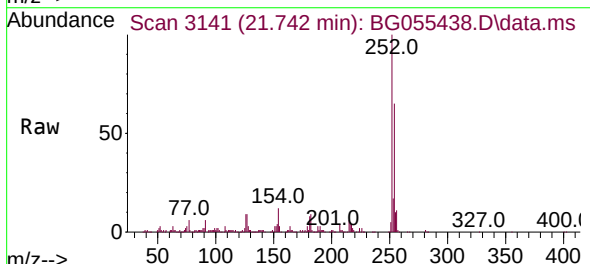
Manual Integrations
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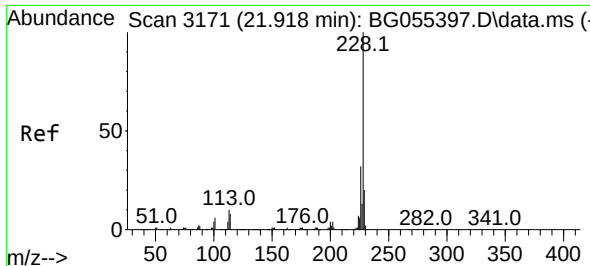
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#82
3,3'-Dichlorobenzidine
Concen: 38.746 ng
RT: 21.742 min Scan# 3141
Delta R.T. -0.006 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

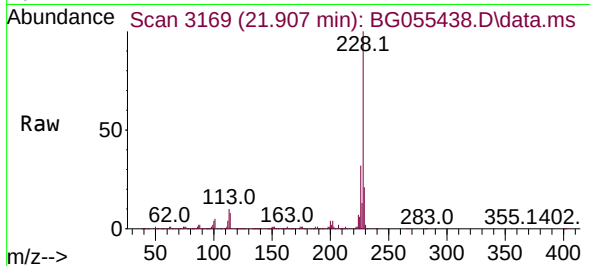
Tgt Ion:252 Resp: 182102
Ion Ratio Lower Upper
252 100
254 64.6 51.0 76.6
126 9.0 7.3 10.9





#83
Chrysene
Concen: 40.853 ng
RT: 21.907 min Scan# 3171
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

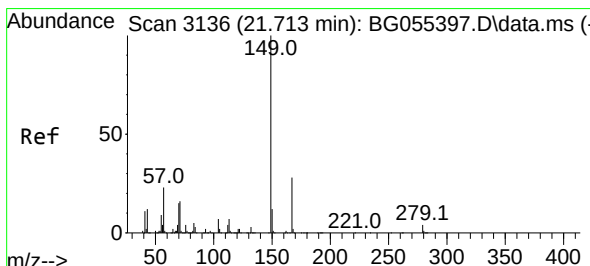
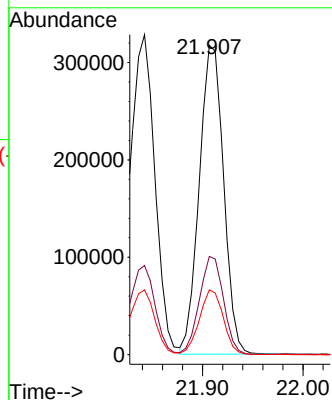
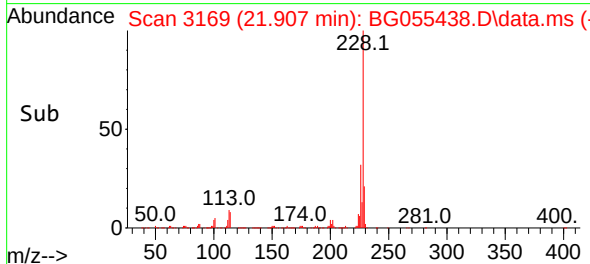
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:228 Resp: 534173
Ion Ratio Lower Upper
228 100
226 31.7 25.2 37.8
229 20.9 16.2 24.2

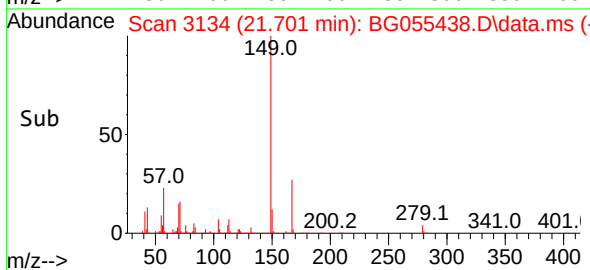
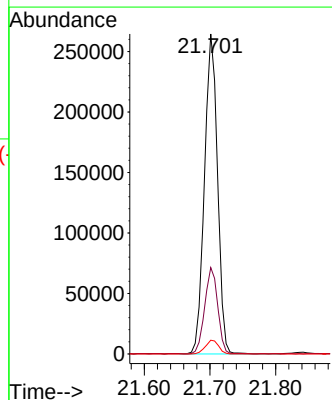
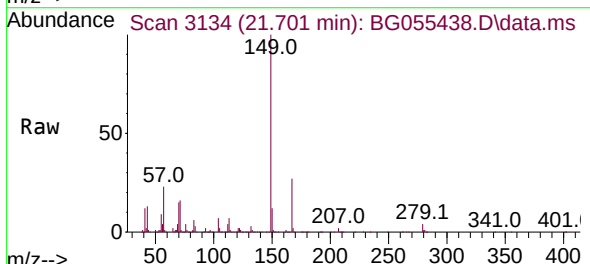
Manual Integrations
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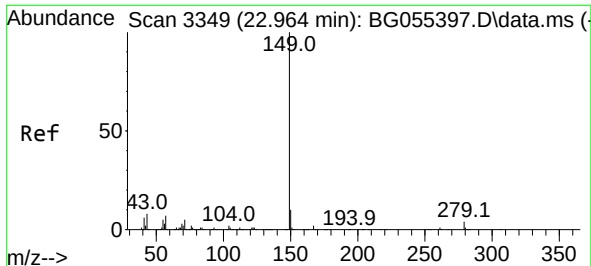
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.584 ng
RT: 21.701 min Scan# 3134
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

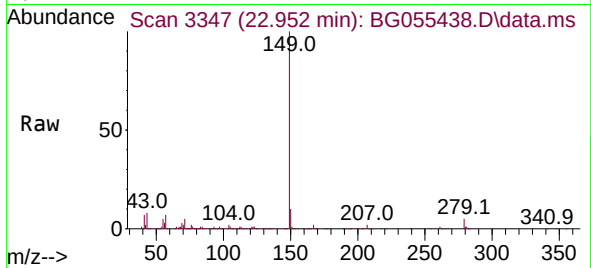
Tgt Ion:149 Resp: 363499
Ion Ratio Lower Upper
149 100
167 27.0 22.0 33.0
279 4.3 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 42.166 ng
RT: 22.952 min Scan# 3349
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

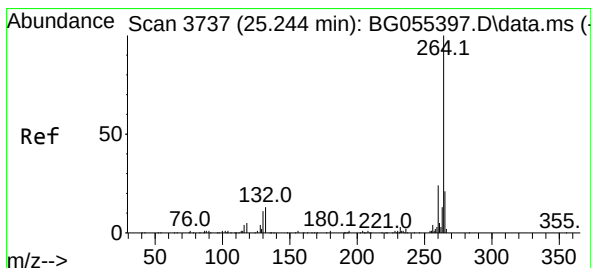
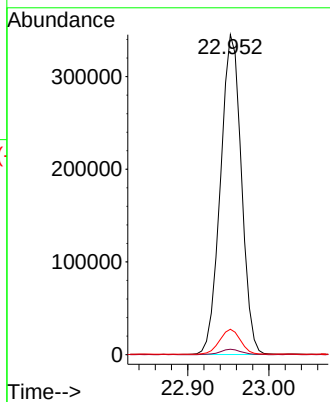
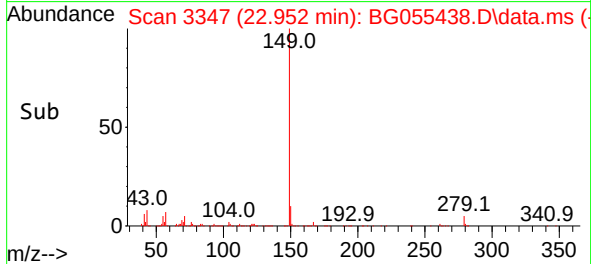
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:149 Resp: 616697
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 7.7 6.3 9.5

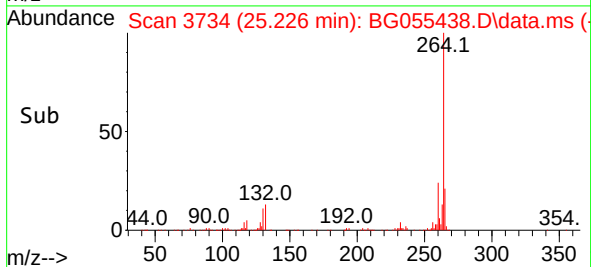
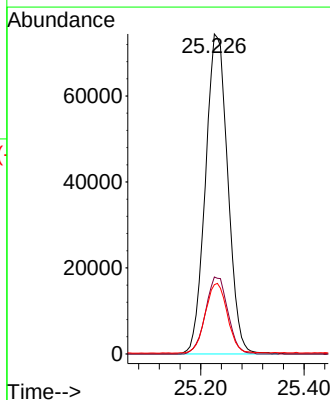
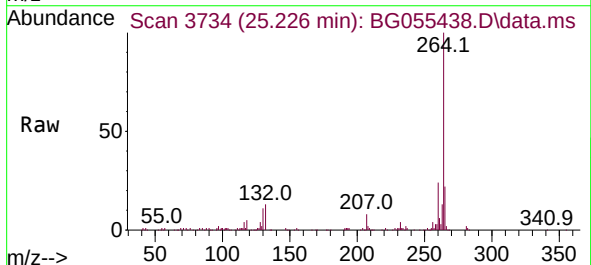
Manual Integrations
APPROVED

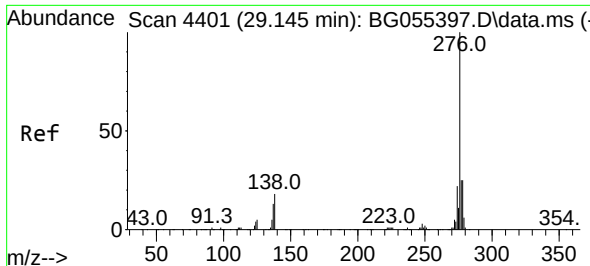
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.226 min Scan# 3734
Delta R.T. -0.017 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

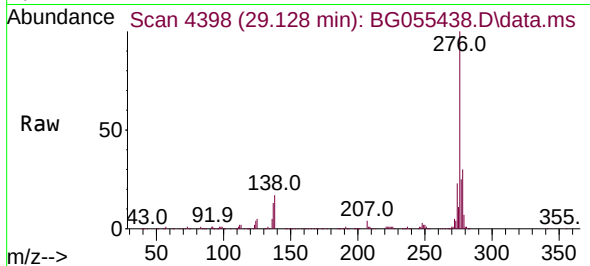
Tgt Ion:264 Resp: 223326
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 21.7 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.542 ng
RT: 29.128 min Scan# 4398
Delta R.T. -0.017 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

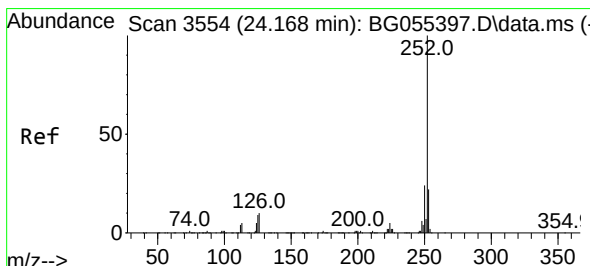
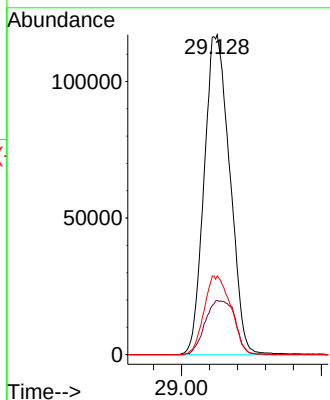
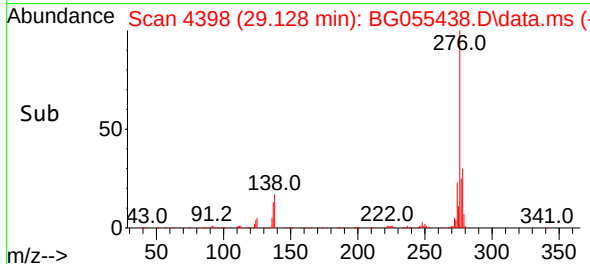
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



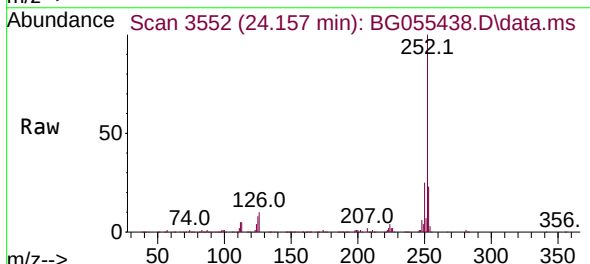
Tgt Ion:276 Resp: 744861
Ion Ratio Lower Upper
276 100
138 19.7 16.2 24.2
277 25.7 20.5 30.7

Manual Integrations
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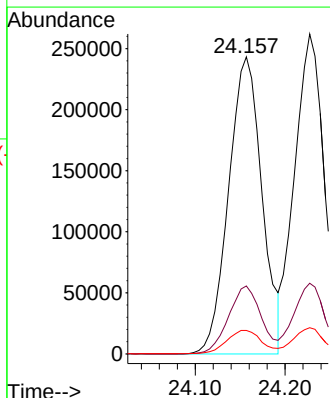
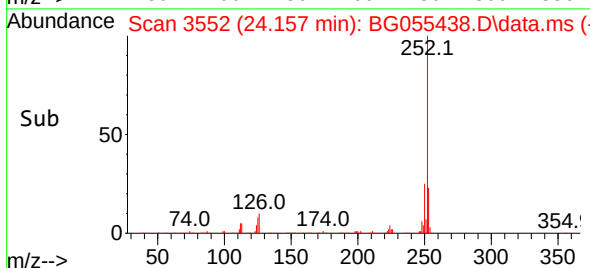
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

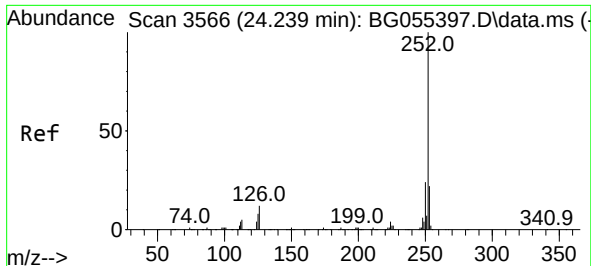


#88
Benzo(b)fluoranthene
Concen: 44.364 ng
RT: 24.157 min Scan# 3552
Delta R.T. -0.012 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12



Tgt Ion:252 Resp: 629336
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 7.9 6.8 10.2





#89

Benzo(k)fluoranthene

Concen: 42.220 ng

RT: 24.227 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG055438.D

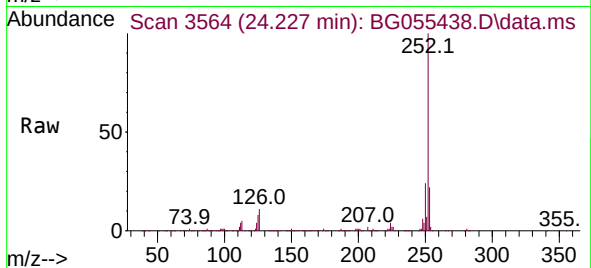
Acq: 3 Nov 2022 15:12

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMS



Tgt Ion:252 Resp: 601864

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

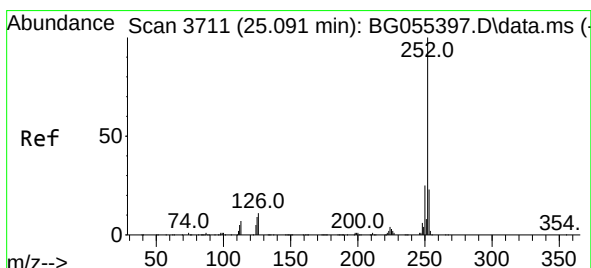
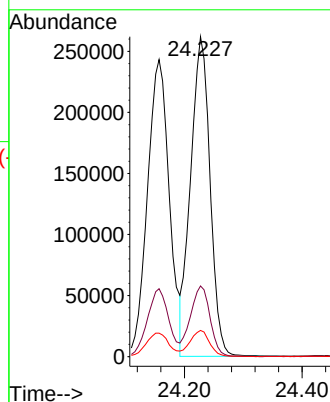
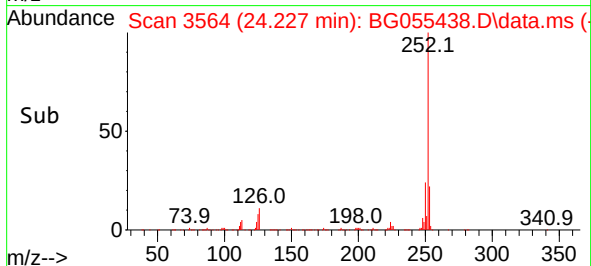
125 8.2 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#90

Benzo(a)pyrene

Concen: 45.421 ng

RT: 25.073 min Scan# 3708

Delta R.T. -0.017 min

Lab File: BG055438.D

Acq: 3 Nov 2022 15:12

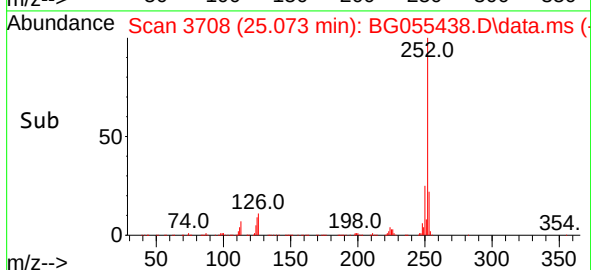
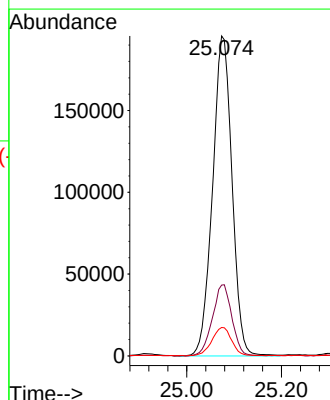
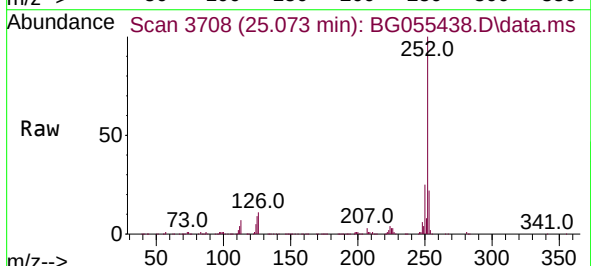
Tgt Ion:252 Resp: 557129

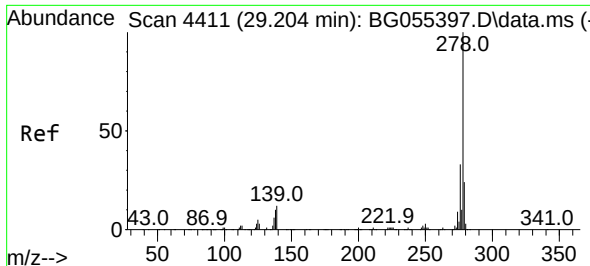
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

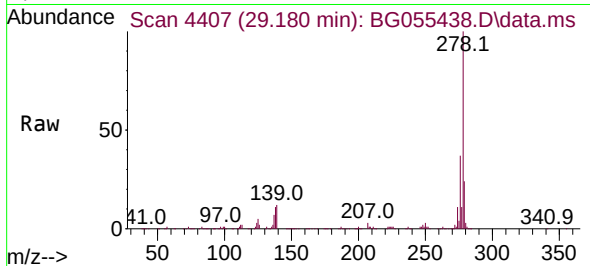
125 8.9 7.1 10.7





#91
Dibenzo(a,h)anthracene
Concen: 42.328 ng
RT: 29.180 min Scan# 4411
Delta R.T. -0.023 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

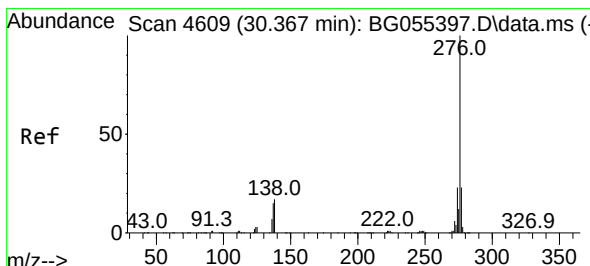
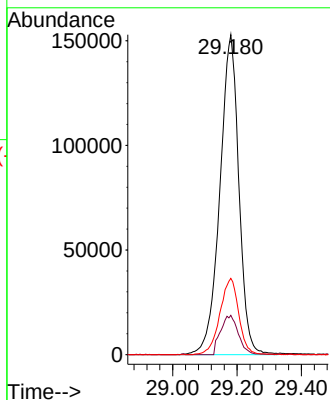
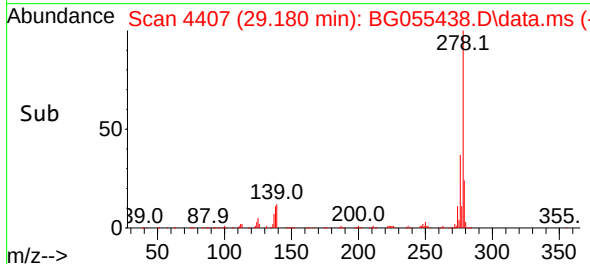
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMS



Tgt Ion:278 Resp: 626173
Ion Ratio Lower Upper
278 100
139 12.3 9.9 14.9
279 23.8 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#92
Benzo(g,h,i)perylene
Concen: 42.251 ng
RT: 30.344 min Scan# 4605
Delta R.T. -0.023 min
Lab File: BG055438.D
Acq: 3 Nov 2022 15:12

Tgt Ion:276 Resp: 621623
Ion Ratio Lower Upper
276 100
277 23.6 18.6 28.0
138 17.4 13.4 20.0

