

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064588.D
 Acq On : 27 Oct 2025 15:22
 Operator : RC/JU
 Sample : PB170246BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170246BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 04 01:21:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.221	152	43765	20.000	ng	0.00
21) Naphthalene-d8	11.047	136	155179	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	121982	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	291715	20.000	ng	0.00
76) Chrysene-d12	21.858	240	316000	20.000	ng	0.00
86) Perylene-d12	25.195	264	331099	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	339414	130.174	ng	0.00
7) Phenol-d6	7.357	99	464597	129.852	ng	0.00
23) Nitrobenzene-d5	9.384	82	226637	87.721	ng	0.00
42) 2,4,6-Tribromophenol	16.323	330	233447	132.598	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	660996	82.135	ng	0.00
79) Terphenyl-d14	20.171	244	1392012	83.132	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.579	88	40064	34.707	ng	97
3) Pyridine	3.990	79	113170	32.646	ng	96
4) n-Nitrosodimethylamine	3.896	42	76415	41.105	ng	86
6) Aniline	7.527	93	157061	32.260	ng	99
8) 2-Chlorophenol	7.774	128	127438	46.695	ng	100
9) Benzaldehyde	7.339	77	64733	33.140	ng	99
10) Phenol	7.380	94	182959	46.239	ng	96
11) bis(2-Chloroethyl)ether	7.621	93	119316	41.014	ng	97
12) 1,3-Dichlorobenzene	8.109	146	132724	42.253	ng	95
13) 1,4-Dichlorobenzene	8.256	146	136873	42.854	ng	94
14) 1,2-Dichlorobenzene	8.579	146	131264	42.609	ng	99
15) Benzyl Alcohol	8.450	79	130279	44.156	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.743	45	273402	35.828	ng	99
17) 2-Methylphenol	8.649	107	121442	46.226	ng	97
18) Hexachloroethane	9.319	117	40484	36.119	ng	96
19) n-Nitroso-di-n-propyla...	9.025	70	91867	37.153	ng	96
20) 3+4-Methylphenols	8.979	107	144651	39.152	ng	97
22) Acetophenone	9.043	105	199016	46.916	ng	94
24) Nitrobenzene	9.425	77	128168	45.610	ng	98
25) Isophorone	9.954	82	263683	42.533	ng	99
26) 2-Nitrophenol	10.142	139	43454	40.595	ng	# 88
27) 2,4-Dimethylphenol	10.195	122	120680	52.332	ng	98
28) bis(2-Chloroethoxy)met...	10.436	93	152570	43.223	ng	99
29) 2,4-Dichlorophenol	10.677	162	118186	47.622	ng	97
30) 1,2,4-Trichlorobenzene	10.906	180	127388	45.177	ng	96
31) Naphthalene	11.100	128	361240	41.987	ng	99
32) Benzoic acid	10.318	122	77183	44.434	ng	93
33) 4-Chloroaniline	11.188	127	75318	22.523	ng	97
34) Hexachlorobutadiene	11.387	225	92515	41.953	ng	99
35) Caprolactam	11.946	113	39145m	41.125	ng	
36) 4-Chloro-3-methylphenol	12.292	107	138701	46.495	ng	97
37) 2-Methylnaphthalene	12.686	142	242431	38.379	ng	98
38) 1-Methylnaphthalene	12.903	142	257957	41.251	ng	99
40) 1,2,4,5-Tetrachloroben...	13.050	216	194204	47.439	ng	99
41) Hexachlorocyclopentadiene	13.038	237	213234	115.722	ng	96
43) 2,4,6-Trichlorophenol	13.279	196	114602	48.940	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	127891	47.327	ng	98
46) 1,1'-Biphenyl	13.685	154	422117	48.675	ng	96
47) 2-Chloronaphthalene	13.726	162	283699	43.340	ng	99
48) 2-Nitroaniline	13.908	65	92141	42.337	ng	97
49) Acenaphthylene	14.566	152	515217	49.899	ng	98
50) Dimethylphthalate	14.290	163	405346	43.427	ng	100
51) 2,6-Dinitrotoluene	14.402	165	70886	46.157	ng	95
52) Acenaphthene	14.907	154	322385	45.701	ng	99
53) 3-Nitroaniline	14.725	138	55435	34.558	ng	90
54) 2,4-Dinitrophenol	14.930	184	78763	83.109	ng	# 37
55) Dibenzofuran	15.236	168	498315	43.694	ng	99
56) 4-Nitrophenol	15.018	139	135394	91.038	ng	94
57) 2,4-Dinitrotoluene	15.183	165	104776	44.254	ng	95
58) Fluorene	15.882	166	390553	43.850	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.453	232	132211	51.164	ng	99
60) Diethylphthalate	15.647	149	405303	42.527	ng	98
61) 4-Chlorophenyl-phenyle...	15.876	204	217094	43.433	ng	100
62) 4-Nitroaniline	15.882	138	79004	44.270	ng	98
63) Azobenzene	16.164	77	388897	44.473	ng	99
65) 4,6-Dinitro-2-methylph...	15.947	198	55125	43.516	ng	97
66) n-Nitrosodiphenylamine	16.082	169	358361	45.477	ng	99
67) 4-Bromophenyl-phenylether	16.763	248	155148	44.880	ng	98
68) Hexachlorobenzene	16.887	284	177105	44.907	ng	95
69) Atrazine	17.022	200	149307	44.030	ng	97
70) Pentachlorophenol	17.222	266	225283	91.605	ng	88
71) Phenanthrene	17.621	178	700369	43.903	ng	100
72) Anthracene	17.715	178	716646	44.162	ng	99
73) Carbazole	17.968	167	622547	43.505	ng	99
74) Di-n-butylphthalate	18.532	149	699059	42.246	ng	99
75) Fluoranthene	19.613	202	853488	42.707	ng	99
77) Benzidine	19.778	184	238194	33.645	ng	99
78) Pyrene	19.977	202	891319	43.172	ng	99
80) Butylbenzylphthalate	20.853	149	293608	47.053	ng	98
81) Benzo(a)anthracene	21.834	228	919080	43.865	ng	99
82) 3,3'-Dichlorobenzidine	21.734	252	208055	29.736	ng	98
83) Chrysene	21.905	228	863113	43.293	ng	99
84) Bis(2-ethylhexyl)phtha...	21.746	149	429718	46.088	ng	100
85) Di-n-octyl phthalate	23.009	149	716449	45.576	ng	99
87) Indeno(1,2,3-cd)pyrene	29.037	276	1105202	45.376	ng	98
88) Benzo(b)fluoranthene	24.137	252	926358	45.627	ng	98
89) Benzo(k)fluoranthene	24.208	252	925931	45.574	ng	98
90) Benzo(a)pyrene	25.042	252	878664	47.081	ng	98
91) Dibenzo(a,h)anthracene	29.108	278	908444	45.909	ng	98
92) Benzo(g,h,i)perylene	30.236	276	883313	46.729	ng	99

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

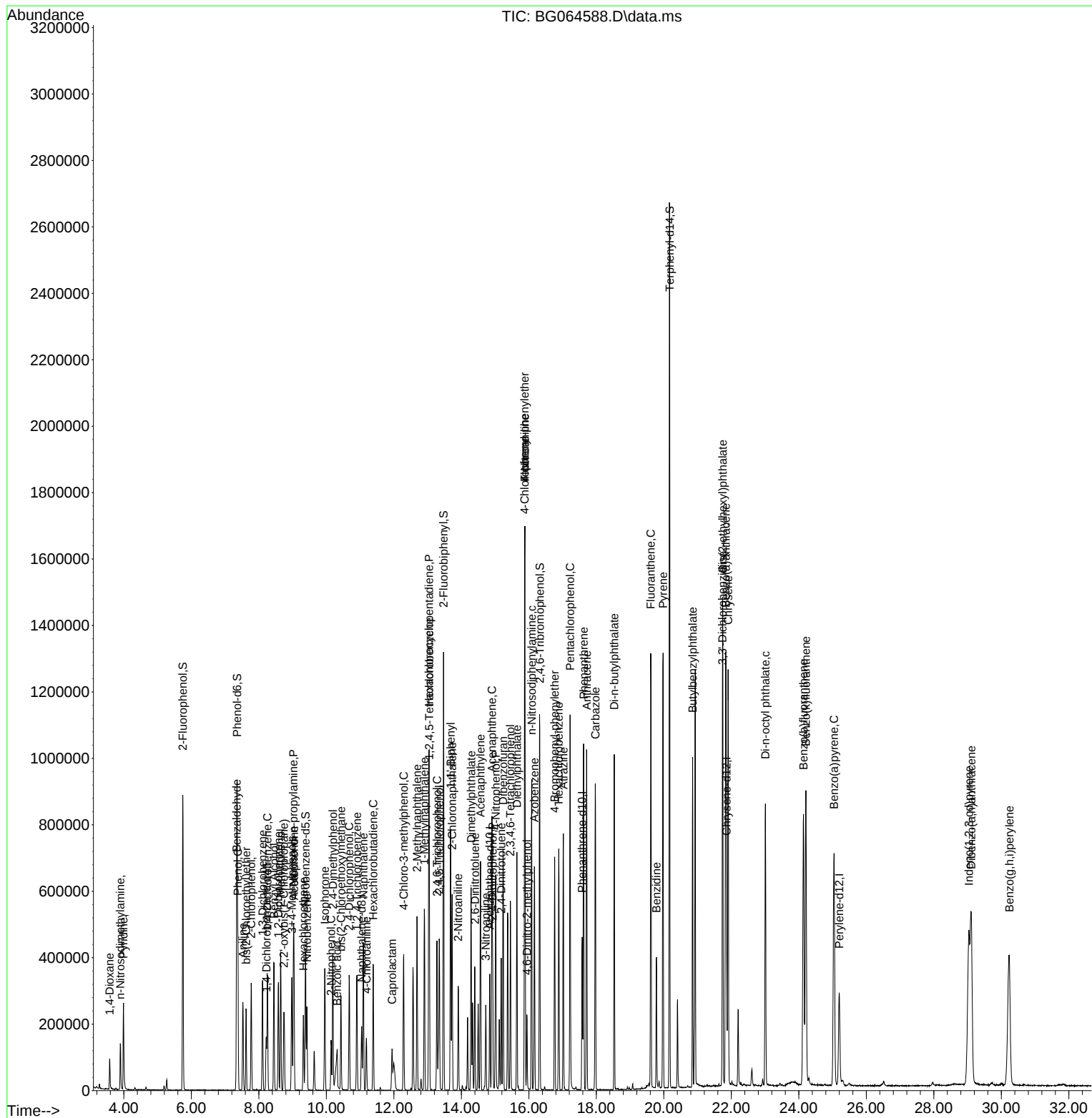
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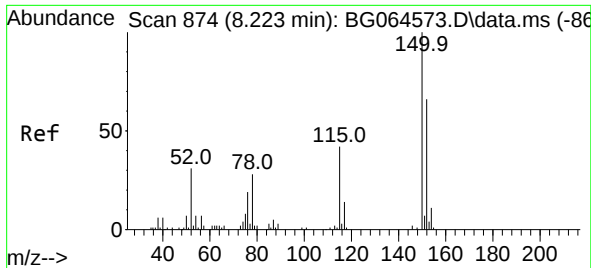
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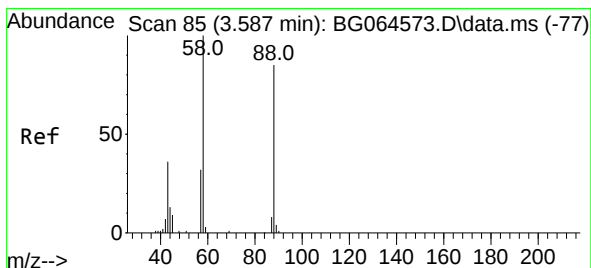
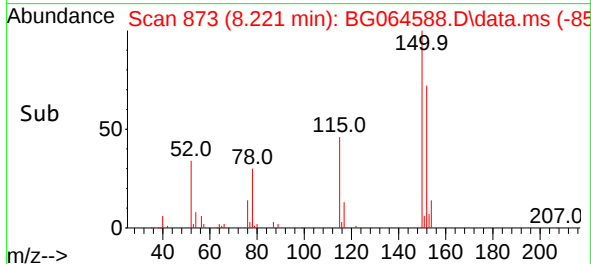
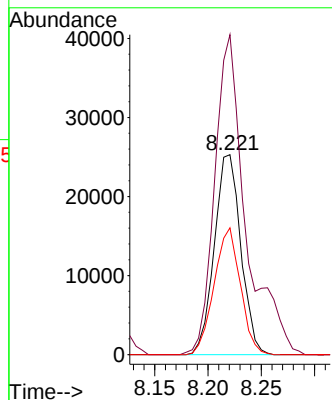
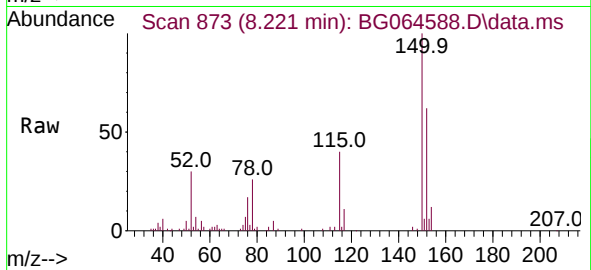
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

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ClientSampleId :
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Tgt Ion:152 Resp: 43765
Ion Ratio Lower Upper
152 100
150 160.1 122.2 183.4
115 63.5 50.8 76.2

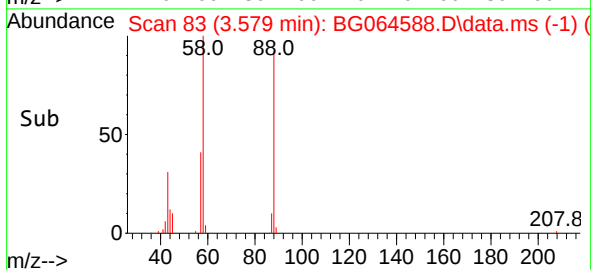
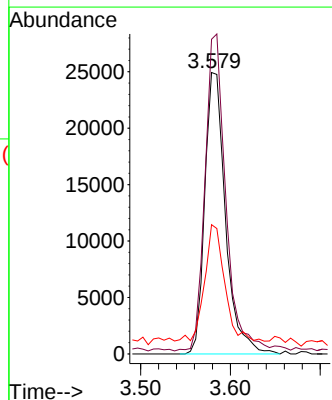
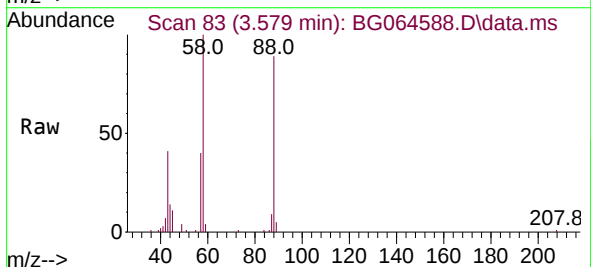
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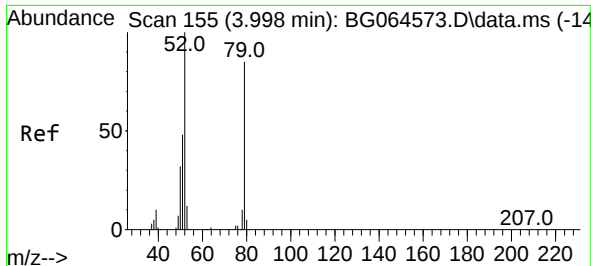
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#2
1,4-Dioxane
Concen: 34.707 ng
RT: 3.579 min Scan# 83
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

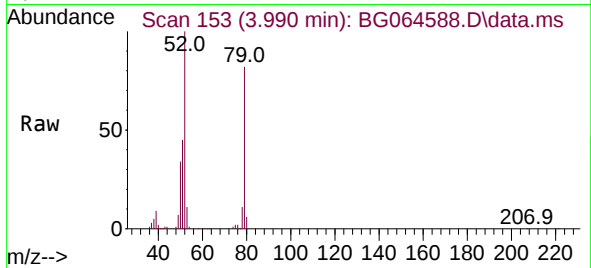
Tgt Ion: 88 Resp: 40064
Ion Ratio Lower Upper
88 100
58 113.3 92.4 138.6
43 45.3 33.0 49.6





#3
Pyridine
Concen: 32.646 ng
RT: 3.990 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

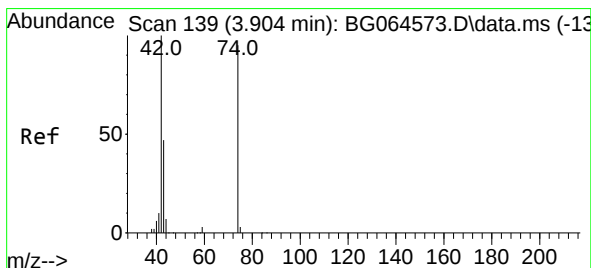
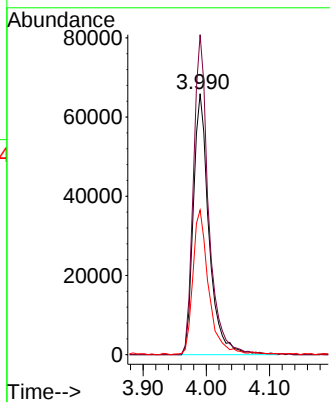
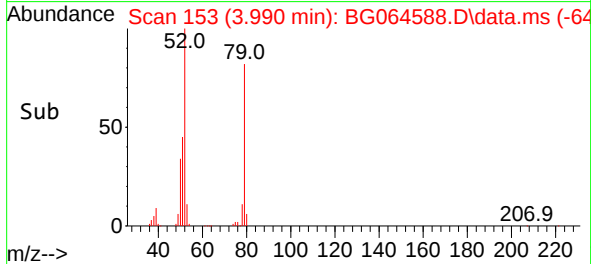
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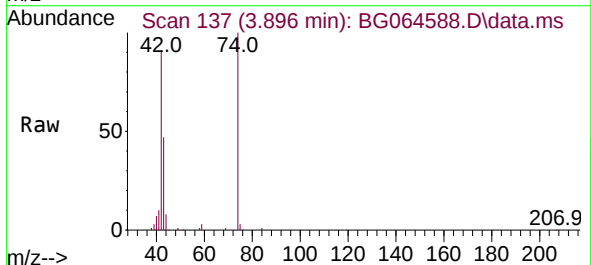
Tgt Ion: 79 Resp: 113170
Ion Ratio Lower Upper
79 100
52 122.7 94.2 141.2
51 55.4 46.1 69.1

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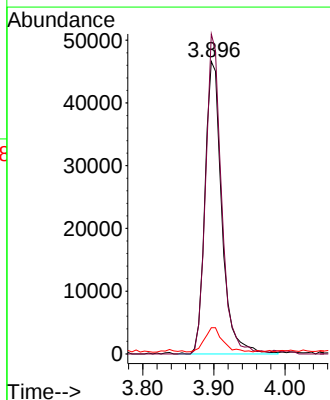
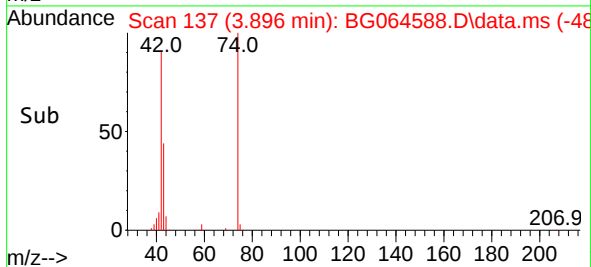
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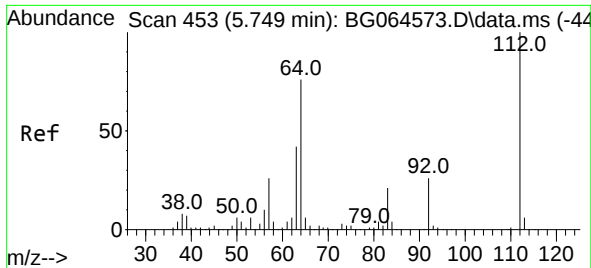


#4
n-Nitrosodimethylamine
Concen: 41.105 ng
RT: 3.896 min Scan# 137
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



Tgt Ion: 42 Resp: 76415
Ion Ratio Lower Upper
42 100
74 109.5 76.1 114.1
44 9.0 6.3 9.5





#5
2-Fluorophenol
Concen: 130.174 ng
RT: 5.747 min Scan# 453
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

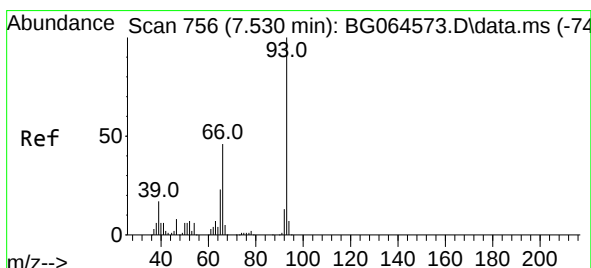
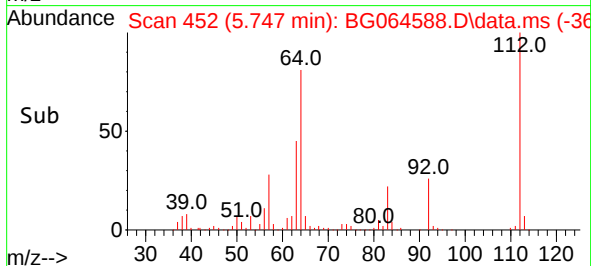
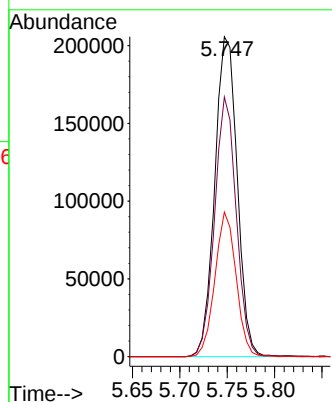
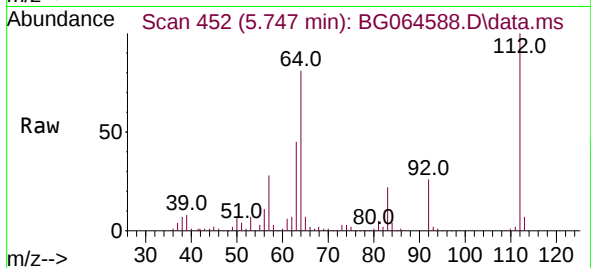
PB170246BS

Tgt Ion:112 Resp: 339414
Ion Ratio Lower Upper
112 100
64 81.1 60.7 91.1
63 45.2 33.4 50.0

Manual Integrations

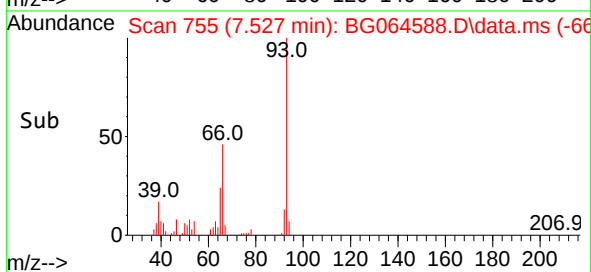
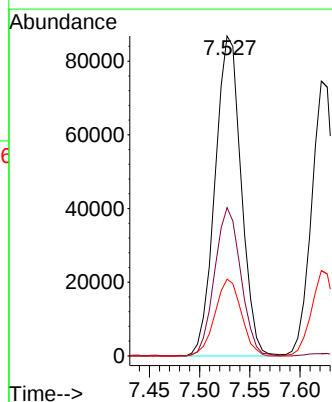
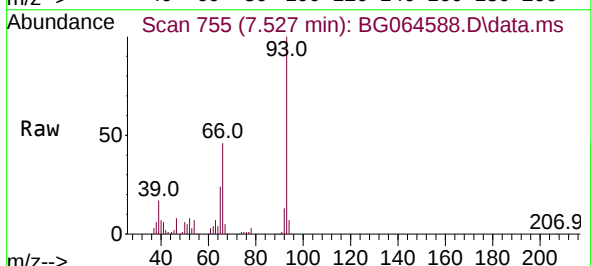
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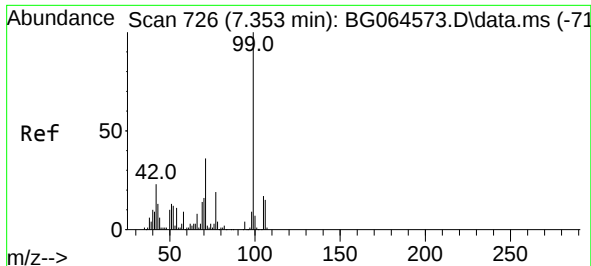
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#6
Aniline
Concen: 32.260 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.002 min
Lab File: BG064588.D
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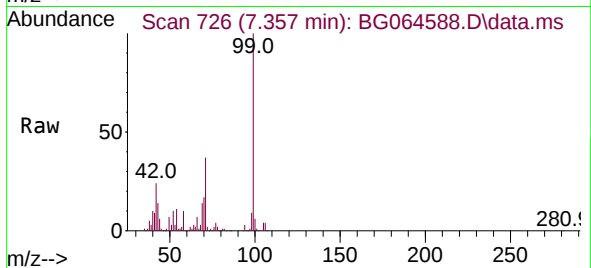
Tgt Ion: 93 Resp: 157061
Ion Ratio Lower Upper
93 100
66 46.3 37.0 55.6
65 24.0 18.3 27.5





#7
Phenol-d6
Concen: 129.852 ng
RT: 7.357 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG064588.D
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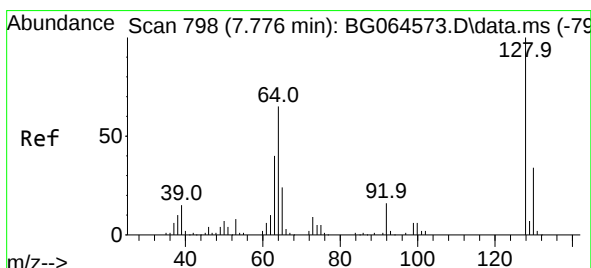
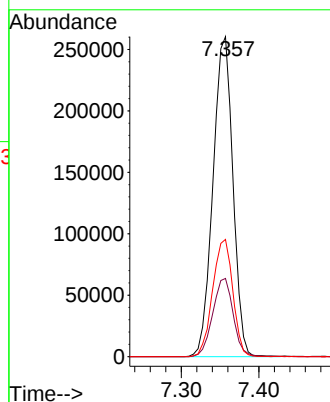
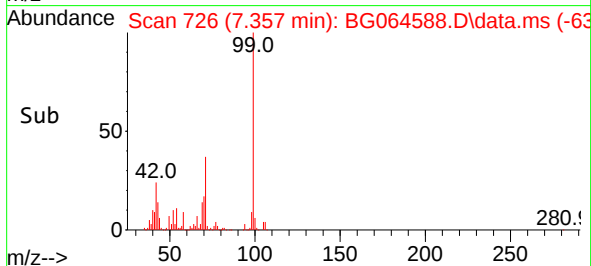
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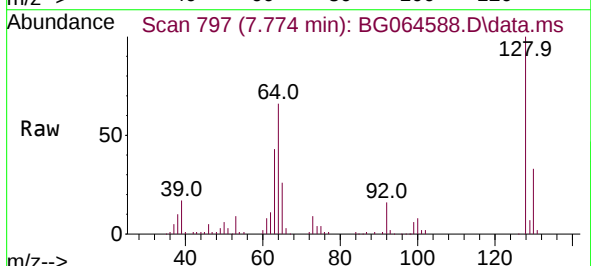
Tgt Ion: 99 Resp: 46459
Ion Ratio Lower Upper
99 100
42 24.4 18.3 27.5
71 36.6 28.6 43.0

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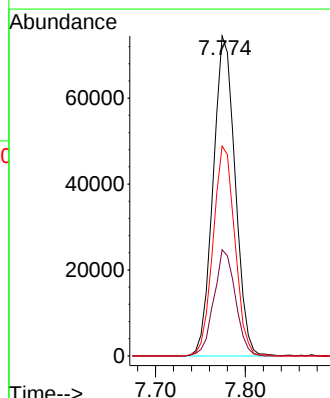
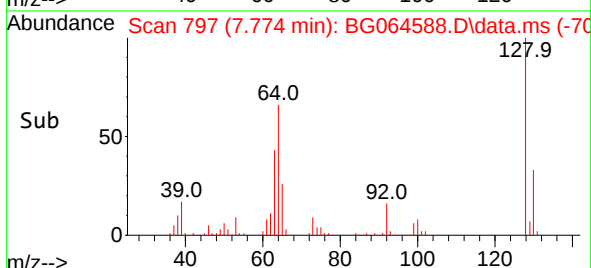
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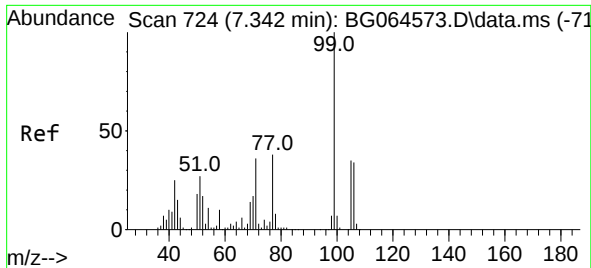


#8
2-Chlorophenol
Concen: 46.695 ng
RT: 7.774 min Scan# 797
Delta R.T. -0.002 min
Lab File: BG064588.D
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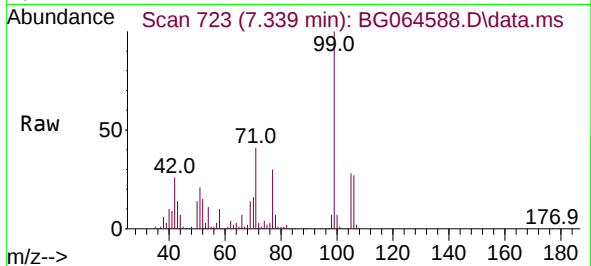
Tgt Ion:128 Resp: 127438
Ion Ratio Lower Upper
128 100
130 33.2 13.5 53.5
64 65.6 45.2 85.2





#9
Benzaldehyde
Concen: 33.140 ng
RT: 7.339 min Scan# 71
Delta R.T. -0.002 min
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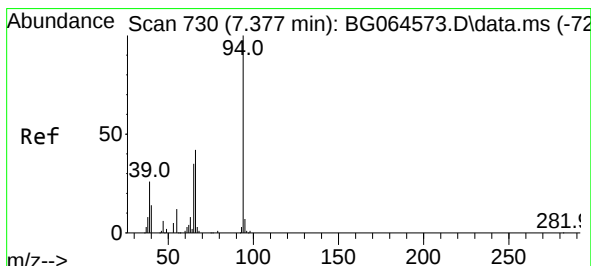
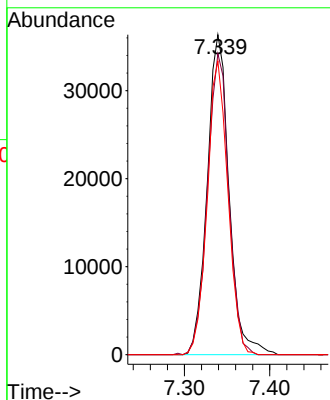
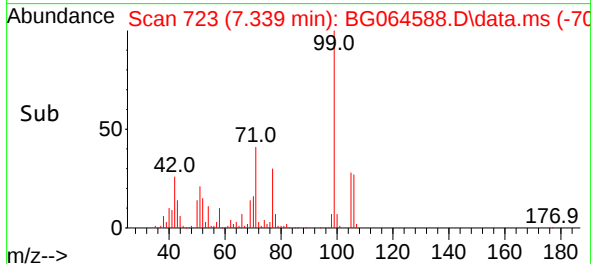
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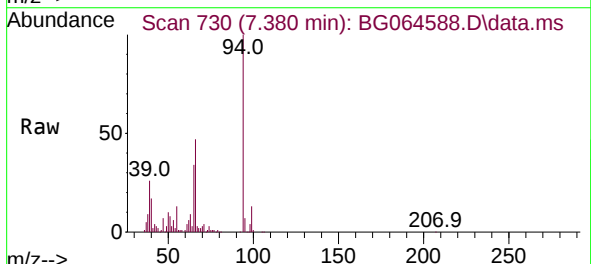
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Ion Ratio Lower Upper
77 100
105 94.0 72.9 112.9
106 91.7 70.8 110.8

Manual Integrations
APPROVED

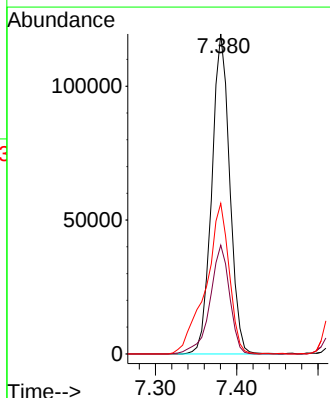
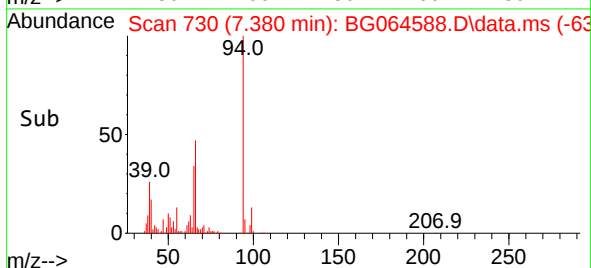
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

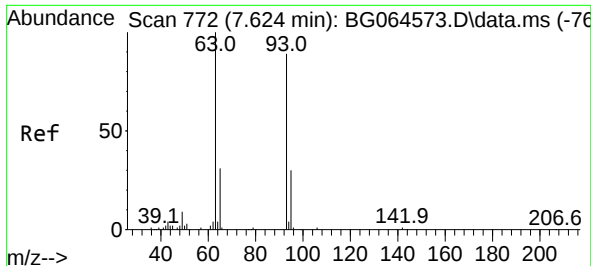


#10
Phenol
Concen: 46.239 ng
RT: 7.380 min Scan# 730
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



Tgt Ion: 94 Resp: 182959
Ion Ratio Lower Upper
94 100
65 34.0 15.8 55.8
66 47.0 24.0 64.0





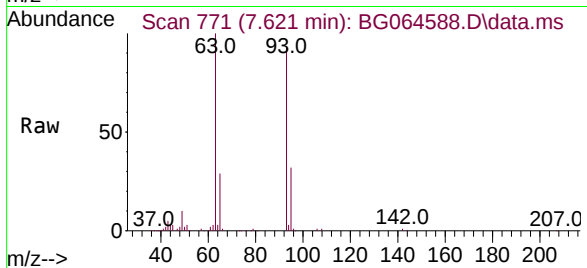
#11
bis(2-Chloroethyl)ether
Concen: 41.014 ng
RT: 7.621 min Scan# 711
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

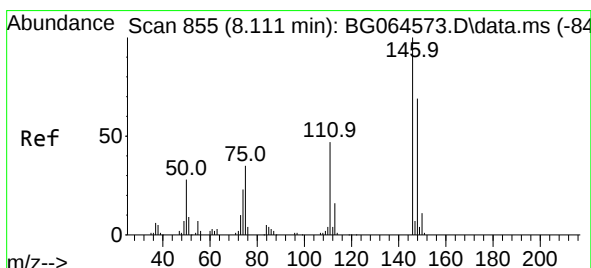
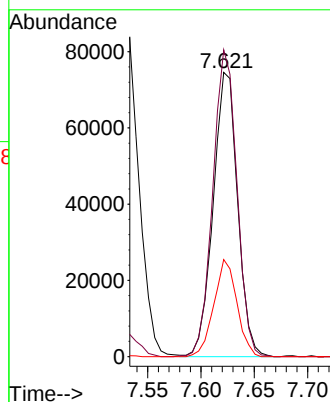
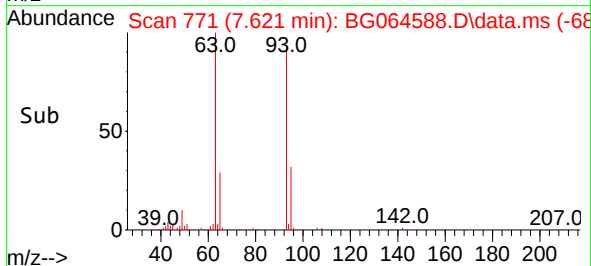
PB170246BS



Tgt Ion: 93 Resp: 119316
Ion Ratio Lower Upper
93 100
63 107.9 91.3 131.3
95 34.1 13.3 53.3

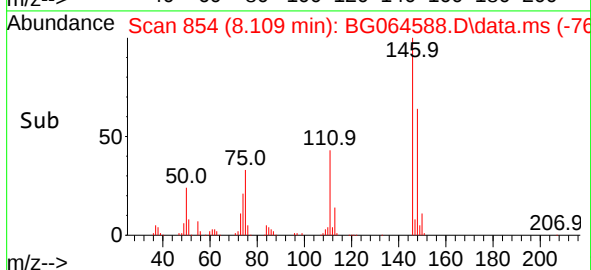
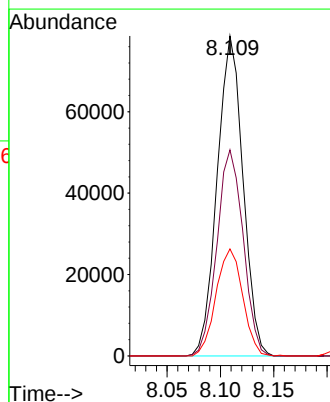
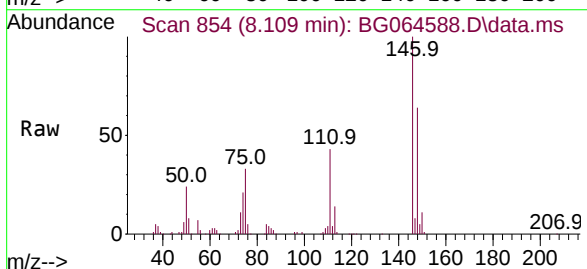
Manual Integrations
APPROVED

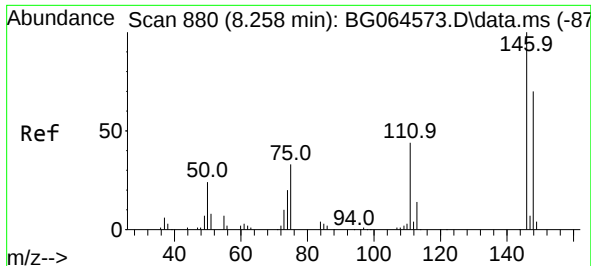
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#12
1,3-Dichlorobenzene
Concen: 42.253 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

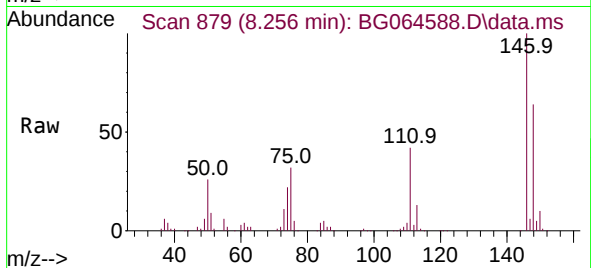
Tgt Ion:146 Resp: 132724
Ion Ratio Lower Upper
146 100
148 64.4 55.3 82.9
75 33.4 28.2 42.2





#13
1,4-Dichlorobenzene
Concen: 42.854 ng
RT: 8.256 min Scan# 811
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

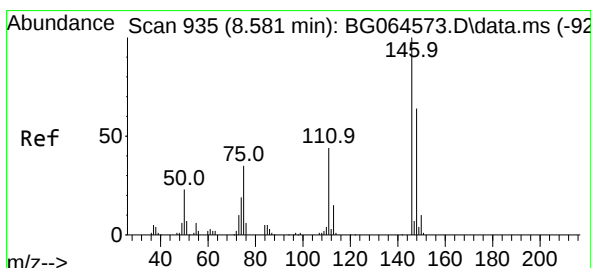
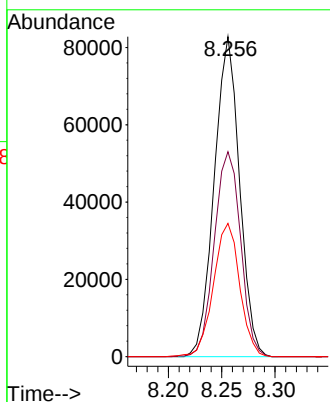
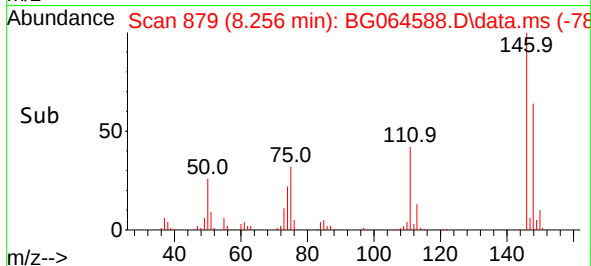
Instrument :
BNA_G
ClientSampleId :
PB170246BS



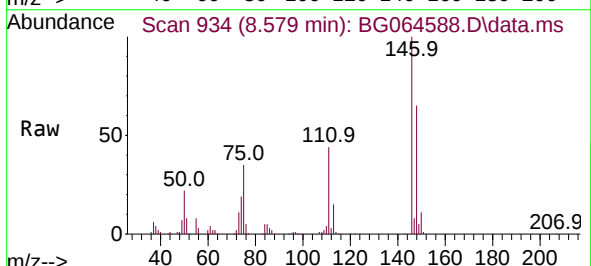
Tgt Ion:146 Resp: 136873
Ion Ratio Lower Upper
146 100
148 64.0 56.2 84.4
111 41.6 35.4 53.0

Manual Integrations
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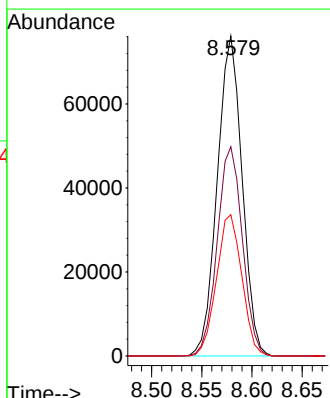
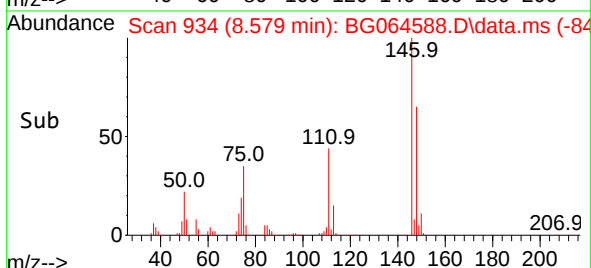
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

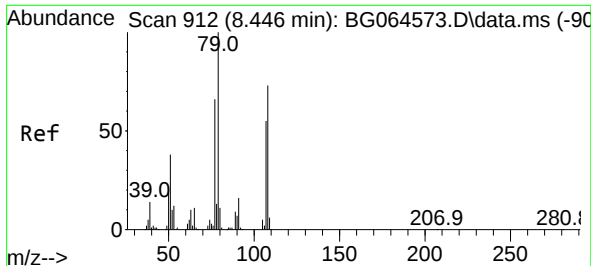


#14
1,2-Dichlorobenzene
Concen: 42.609 ng
RT: 8.579 min Scan# 934
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



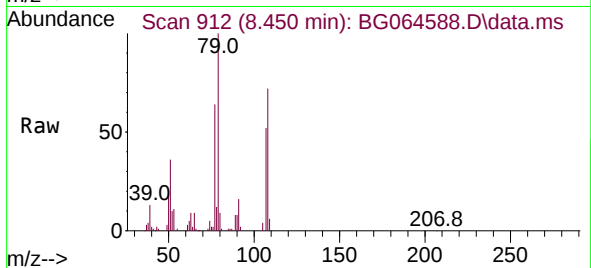
Tgt Ion:146 Resp: 131264
Ion Ratio Lower Upper
146 100
148 65.4 51.5 77.3
111 44.1 35.0 52.6





#15
Benzyl Alcohol
Concen: 44.156 ng
RT: 8.450 min Scan# 912
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

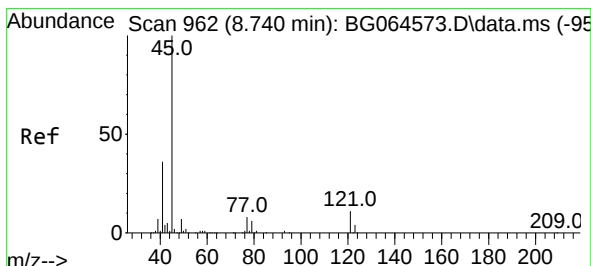
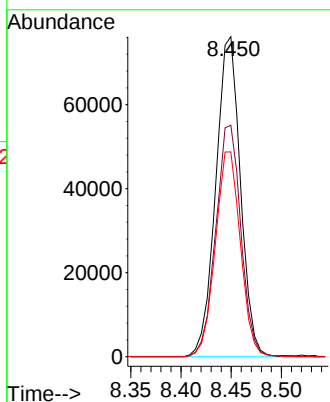
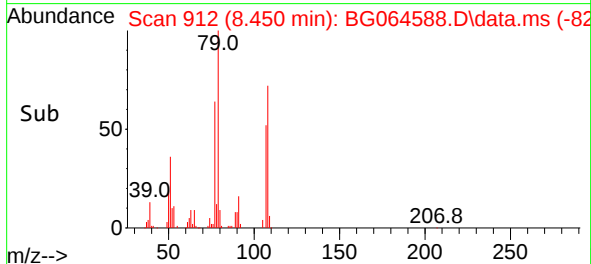
Instrument :
BNA_G
ClientSampleId :
PB170246BS



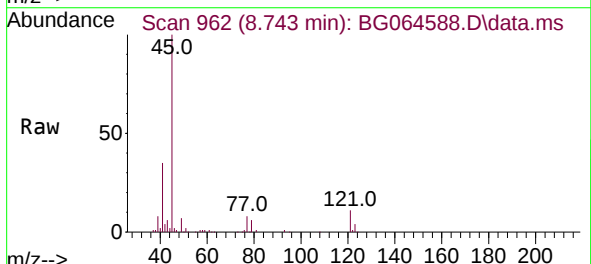
Tgt Ion: 79 Resp: 130279
Ion Ratio Lower Upper
79 100
108 72.3 58.1 87.1
77 64.0 52.8 79.2

Manual Integrations
APPROVED

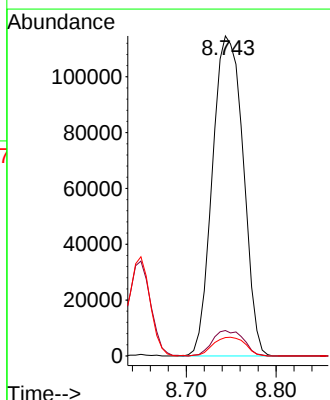
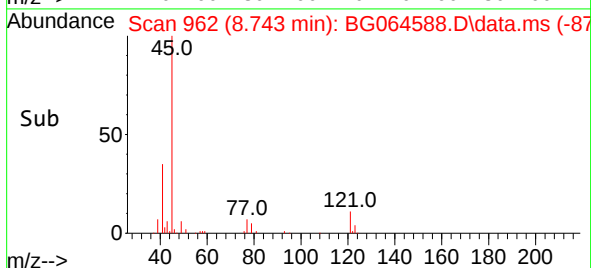
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.828 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



Tgt Ion: 45 Resp: 273402
Ion Ratio Lower Upper
45 100
77 7.9 0.0 28.5
79 5.7 0.0 25.6





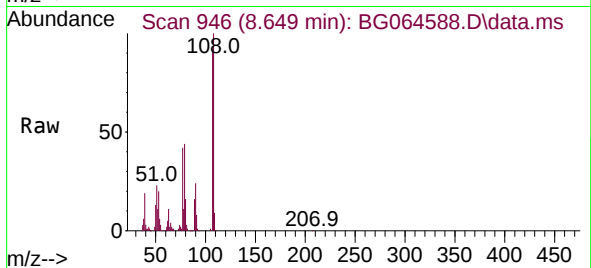
#17
2-Methylphenol
Concen: 46.226 ng
RT: 8.649 min Scan# 947
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS



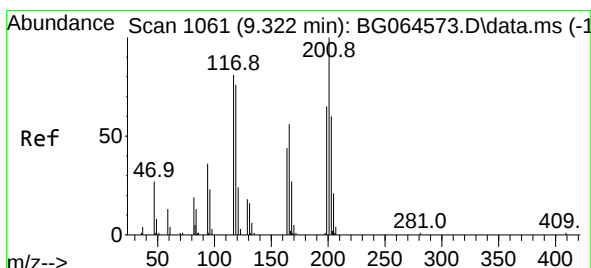
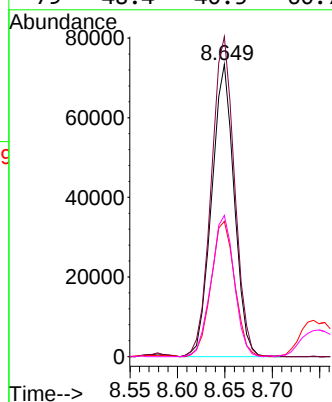
Tgt Ion:107 Resp: 121442
Ion Ratio Lower Upper
107 100
108 109.5 90.0 135.0
77 46.3 37.8 56.8
79 48.4 40.5 60.7

Manual Integrations

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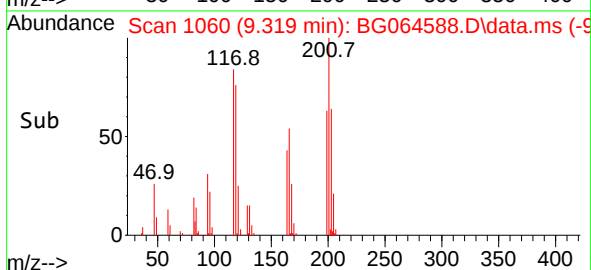
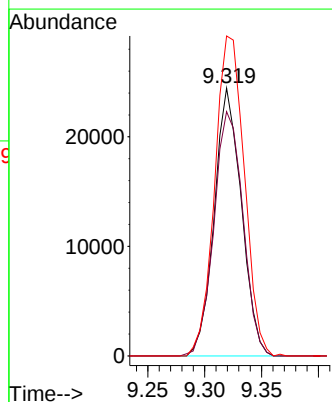
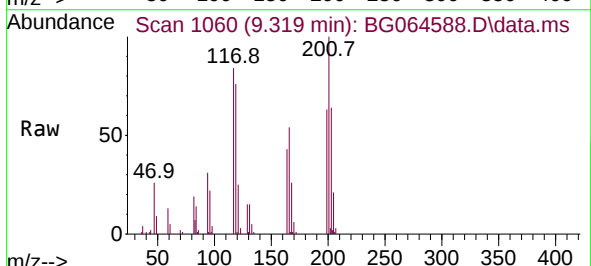
Reviewed By :Rahul Chavli 10/28/2025

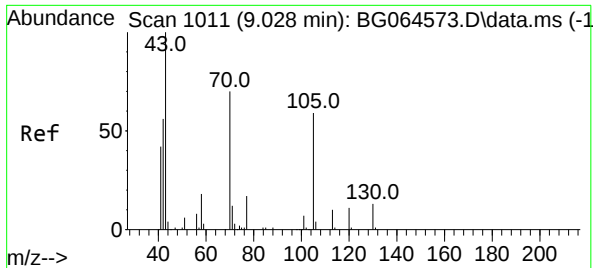
Supervised By :mohammad ahmed 11/05/2025



#18
Hexachloroethane
Concen: 36.119 ng
RT: 9.319 min Scan# 1060
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

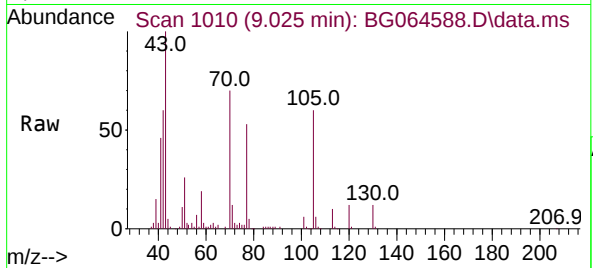
Tgt Ion:117 Resp: 40484
Ion Ratio Lower Upper
117 100
119 91.2 75.4 113.2
201 119.5 99.2 148.8





#19
n-Nitroso-di-n-propylamine
Concen: 37.153 ng
RT: 9.025 min Scan# 1011
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

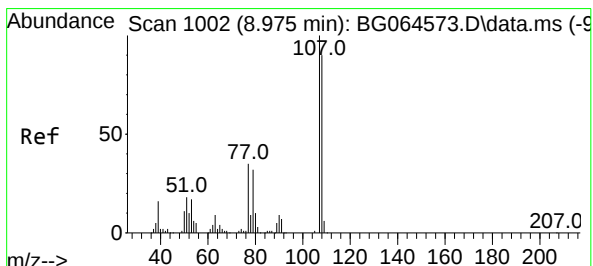
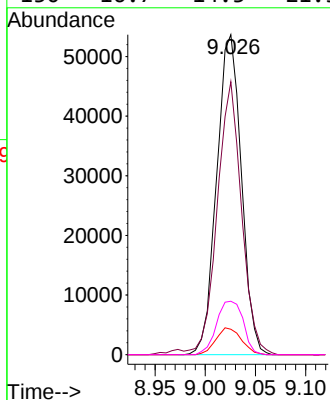
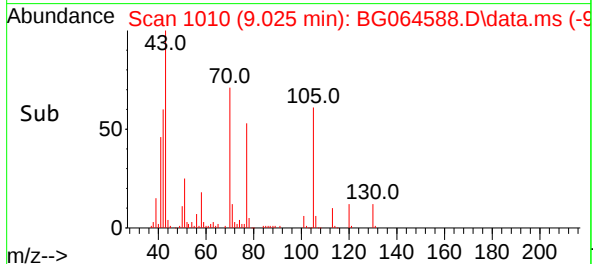
Instrument :
BNA_G
ClientSampleId :
PB170246BS



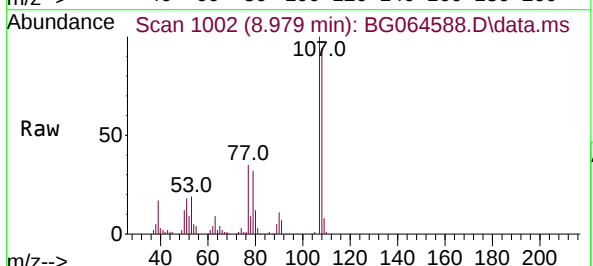
Tgt Ion: 70 Resp: 91862
Ion Ratio Lower Upper
70 100
42 85.3 65.2 97.8
101 7.9 7.9 11.9
130 16.7 14.3 21.5

Manual Integrations
APPROVED

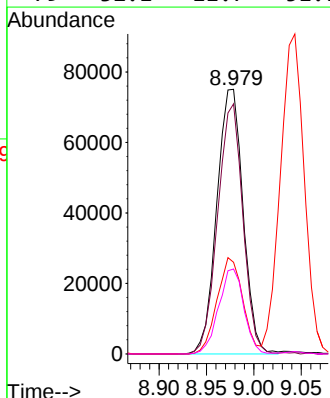
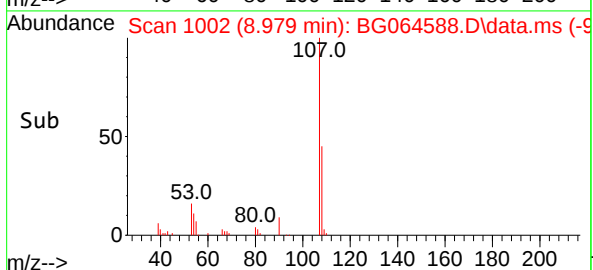
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

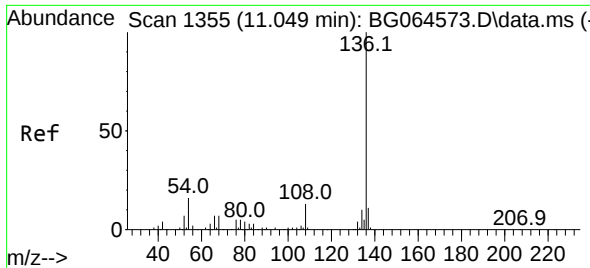


#20
3+4-Methylphenols
Concen: 39.152 ng
RT: 8.979 min Scan# 1002
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



Tgt Ion:107 Resp: 144651
Ion Ratio Lower Upper
107 100
108 94.5 70.3 110.3
77 34.6 14.6 54.6
79 32.1 11.7 51.7





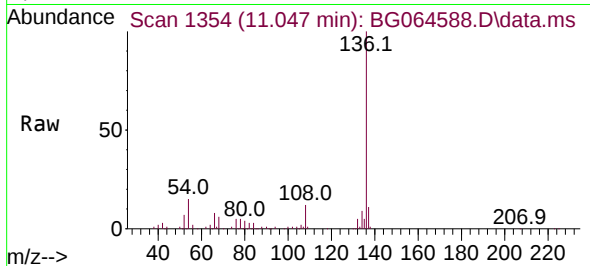
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.047 min Scan# 1355
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

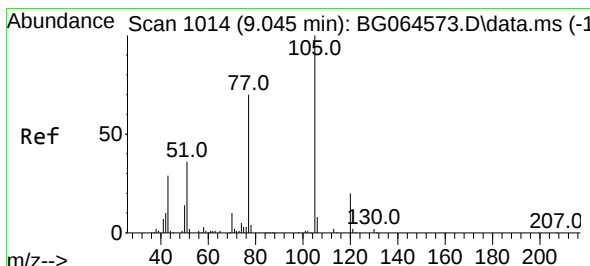
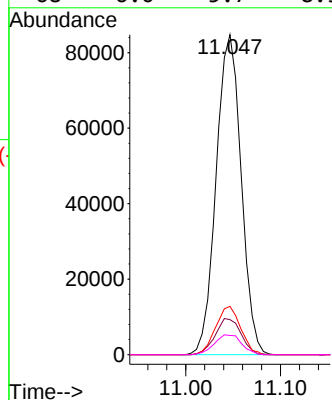
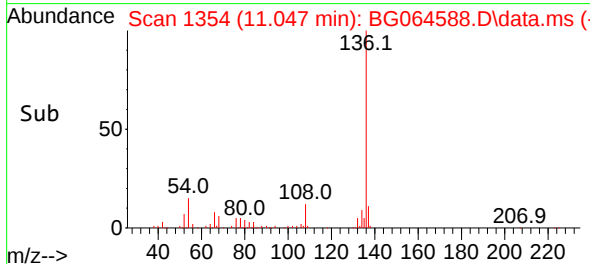


Tgt Ion:136 Resp: 155179
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 15.1 12.6 19.0
68 6.0 5.7 8.5

Manual Integrations

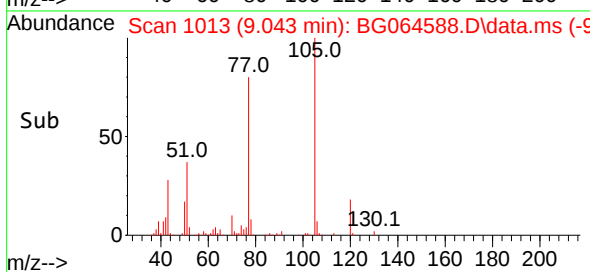
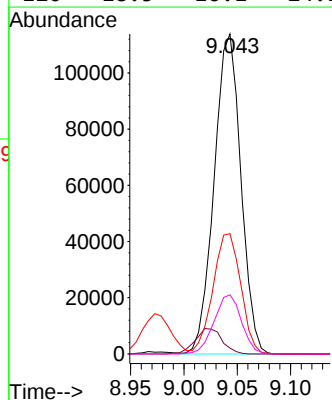
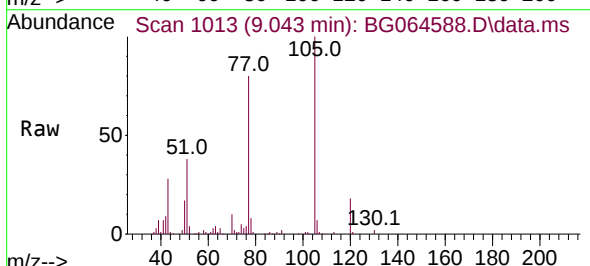
APPROVED

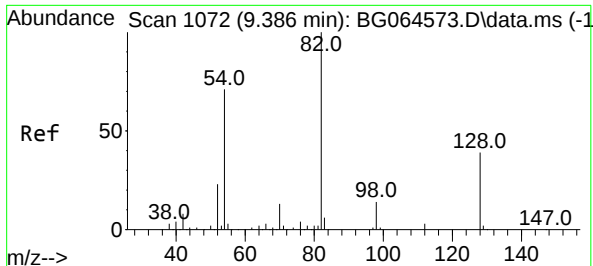
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#22
Acetophenone
Concen: 46.916 ng
RT: 9.043 min Scan# 1013
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:105 Resp: 199016
Ion Ratio Lower Upper
105 100
71 1.8 1.5 2.3
51 37.6 33.7 50.5
120 18.5 16.1 24.1





#23

Nitrobenzene-d5

Concen: 87.721 ng

RT: 9.384 min Scan# 1072

Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

Tgt Ion: 82 Resp: 22663

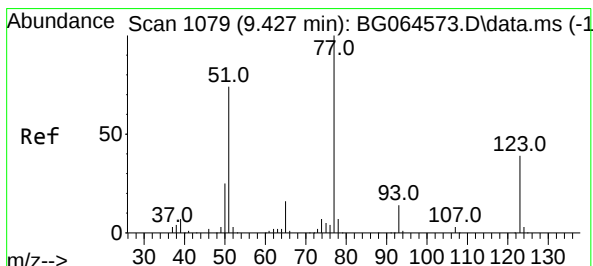
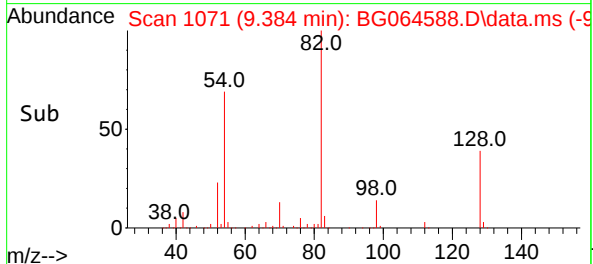
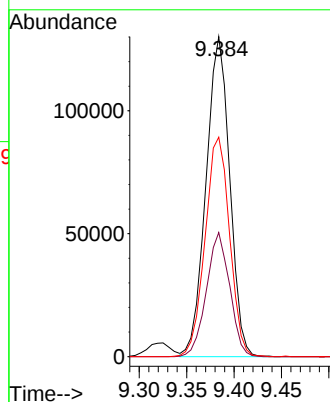
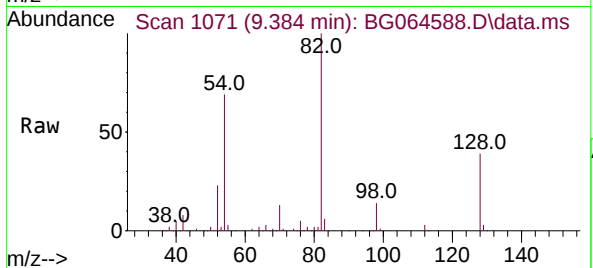
Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.3	46.9
54	68.6	56.6	84.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#24

Nitrobenzene

Concen: 45.610 ng

RT: 9.425 min Scan# 1078

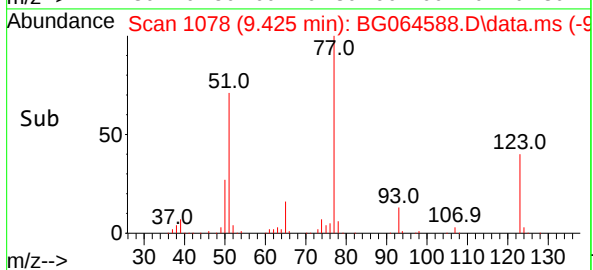
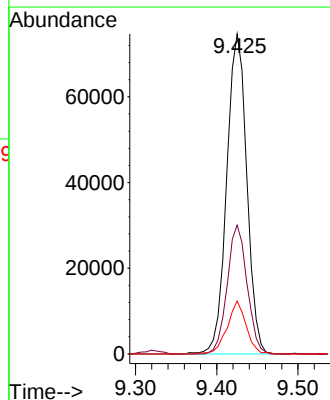
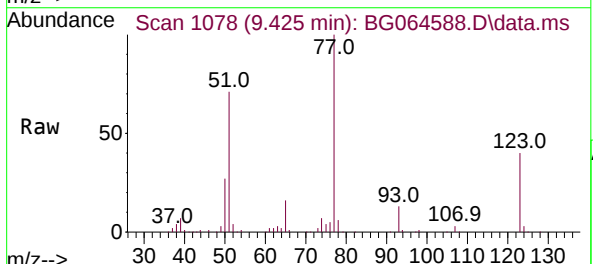
Delta R.T. -0.002 min

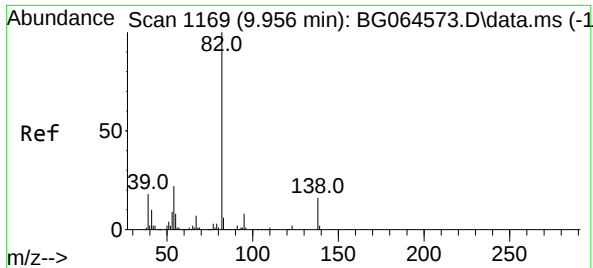
Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Tgt Ion: 77 Resp: 128168

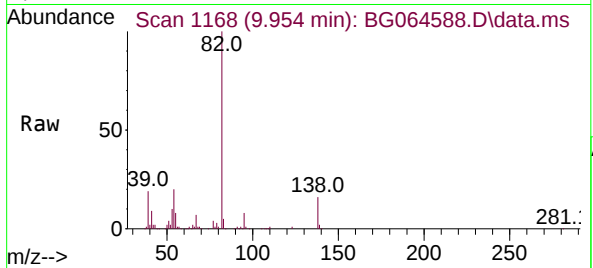
Ion	Ratio	Lower	Upper
77	100		
123	40.2	31.0	46.6
65	16.5	12.7	19.1





#25
Isophorone
Concen: 42.533 ng
RT: 9.954 min Scan# 1168
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

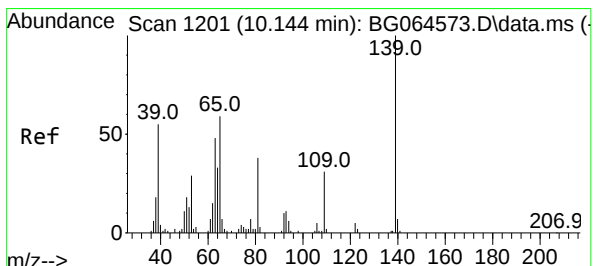
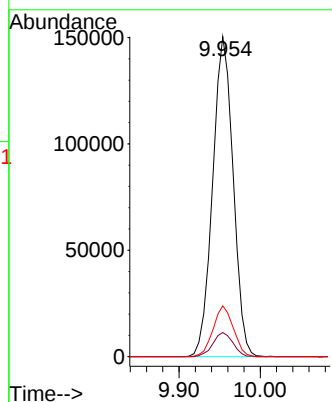
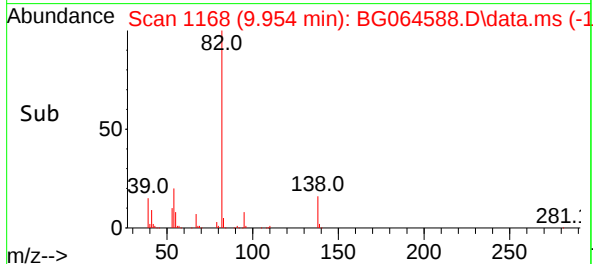
Instrument :
BNA_G
ClientSampleId :
PB170246BS



Tgt Ion: 82 Resp: 263683
Ion Ratio Lower Upper
82 100
95 7.5 6.1 9.1
138 15.9 13.0 19.4

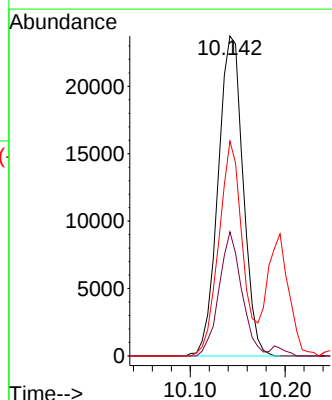
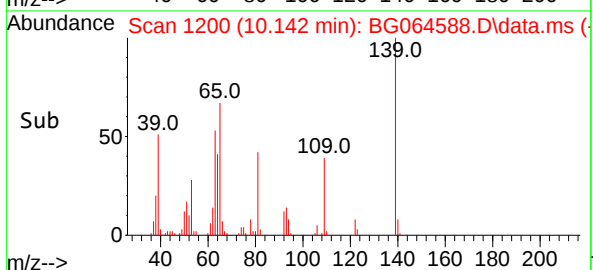
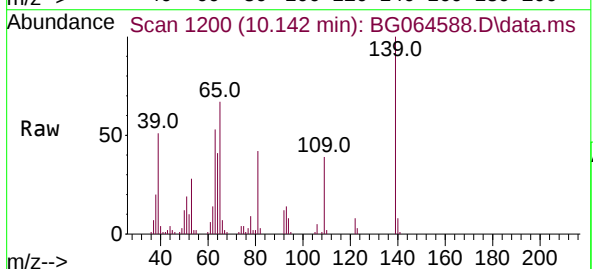
Manual Integrations
APPROVED

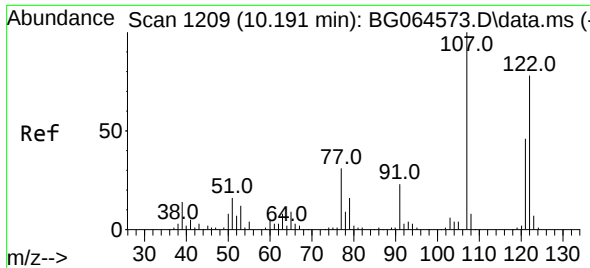
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#26
2-Nitrophenol
Concen: 40.595 ng
RT: 10.142 min Scan# 1200
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:139 Resp: 43454
Ion Ratio Lower Upper
139 100
109 38.8 24.6 37.0#
65 67.1 47.5 71.3





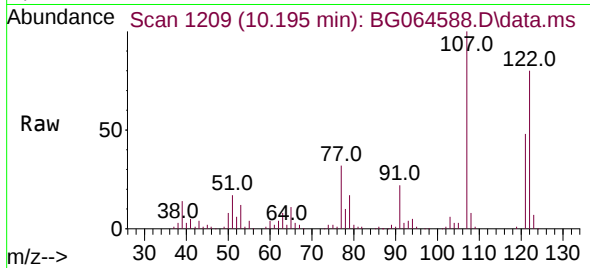
#27
2,4-Dimethylphenol
Concen: 52.332 ng
RT: 10.195 min Scan# 1209
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

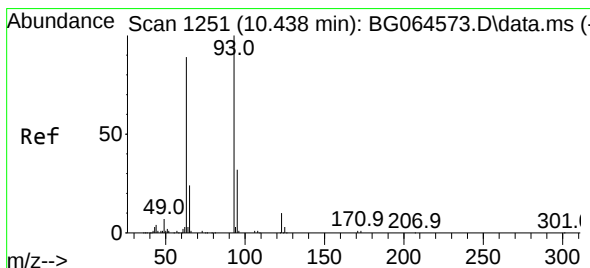
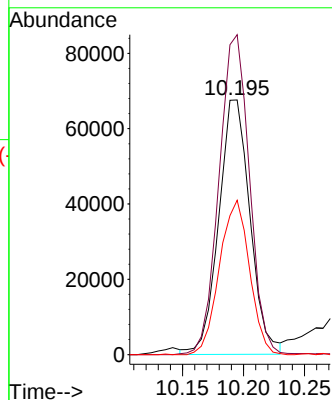
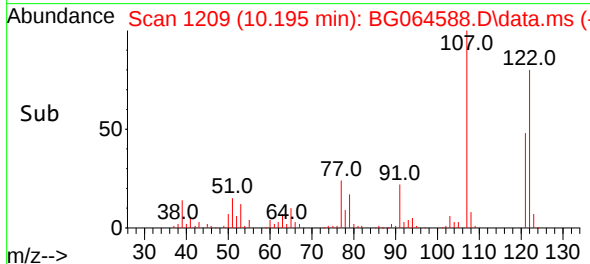


Tgt Ion:122 Resp: 120680
Ion Ratio Lower Upper
122 100
107 125.7 103.0 154.4
121 60.6 47.8 71.8

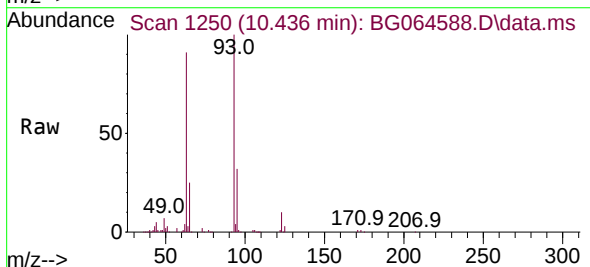
Manual Integrations

APPROVED

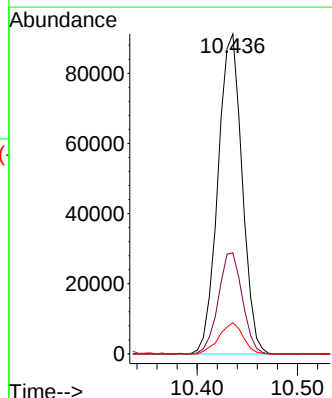
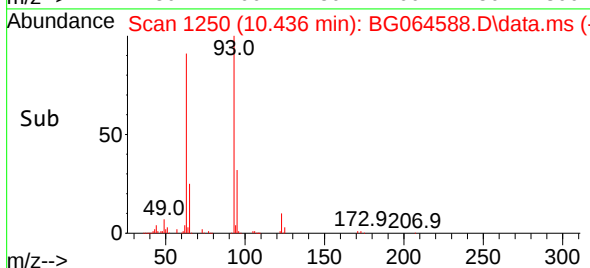
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

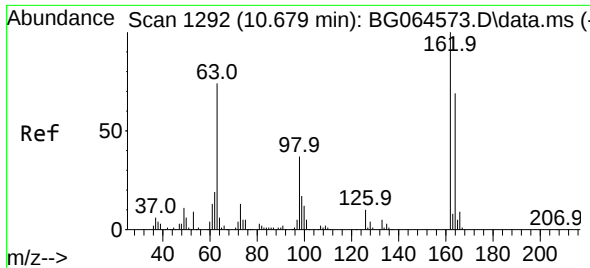


#28
bis(2-Chloroethoxy)methane
Concen: 43.223 ng
RT: 10.436 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



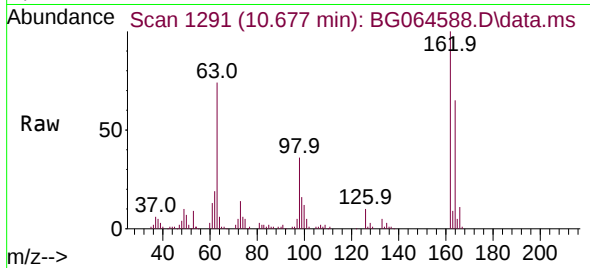
Tgt Ion: 93 Resp: 152570
Ion Ratio Lower Upper
93 100
95 31.6 25.4 38.2
123 9.7 8.4 12.6





#29
2,4-Dichlorophenol
Concen: 47.622 ng
RT: 10.677 min Scan# 1291
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

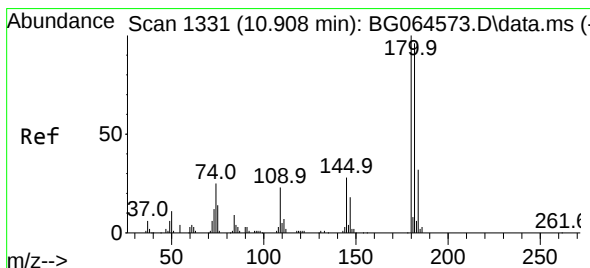
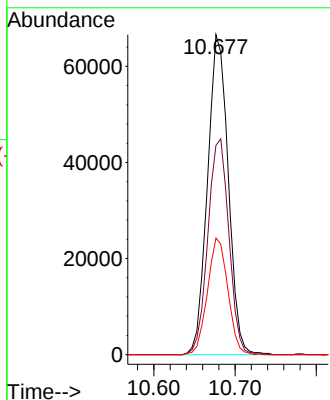
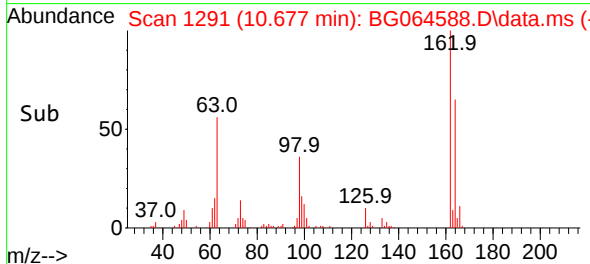
Instrument :
BNA_G
ClientSampleId :
PB170246BS



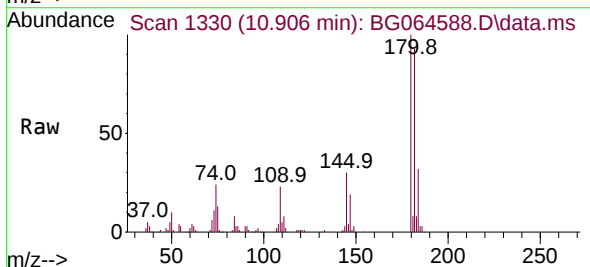
Tgt Ion:162 Resp: 118186
Ion Ratio Lower Upper
162 100
164 65.4 48.7 88.7
98 36.4 16.9 56.9

Manual Integrations
APPROVED

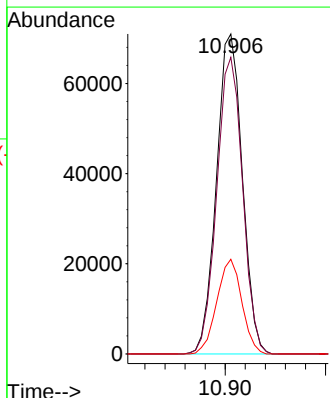
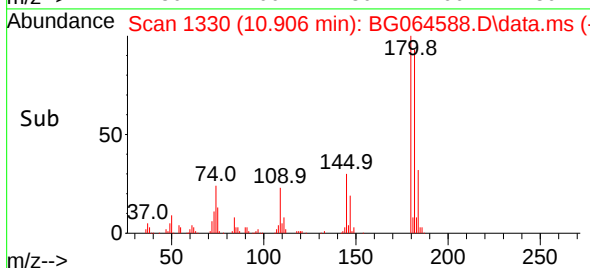
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

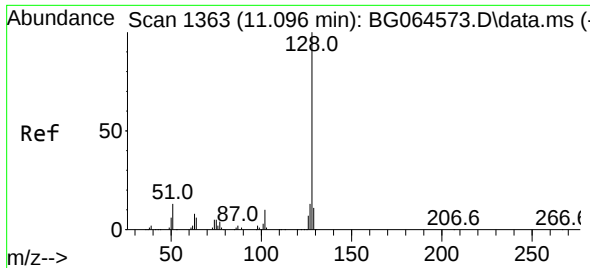


#30
1,2,4-Trichlorobenzene
Concen: 45.177 ng
RT: 10.906 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



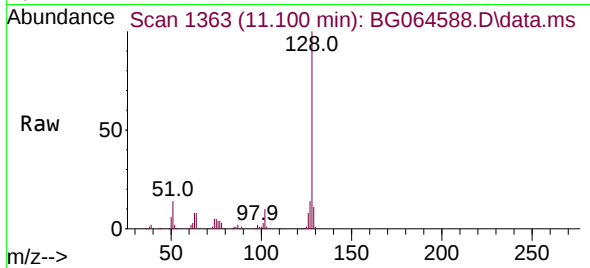
Tgt Ion:180 Resp: 127388
Ion Ratio Lower Upper
180 100
182 92.7 76.9 115.3
145 29.6 22.1 33.1





#31
Naphthalene
Concen: 41.987 ng
RT: 11.100 min Scan# 1363
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

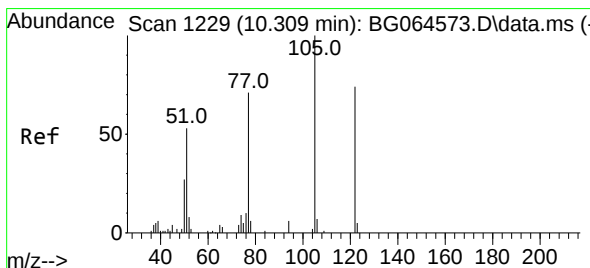
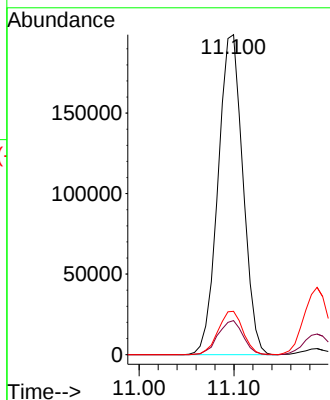
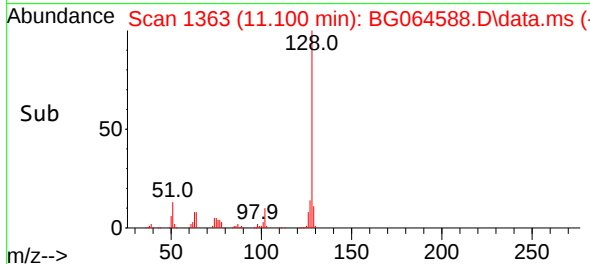
Instrument :
BNA_G
ClientSampleId :
PB170246BS



Tgt Ion:128 Resp: 361240
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.5 10.6 15.8

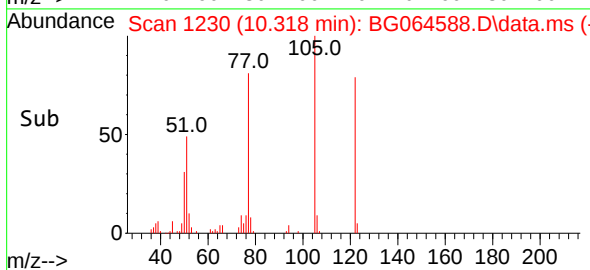
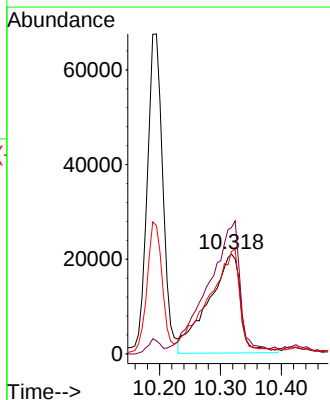
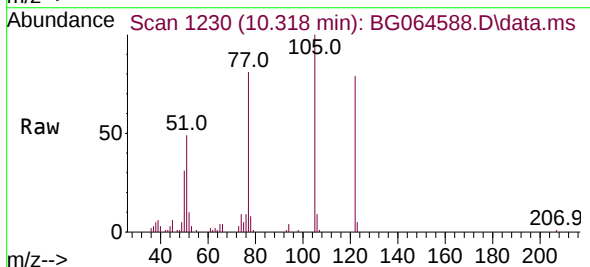
Manual Integrations
APPROVED

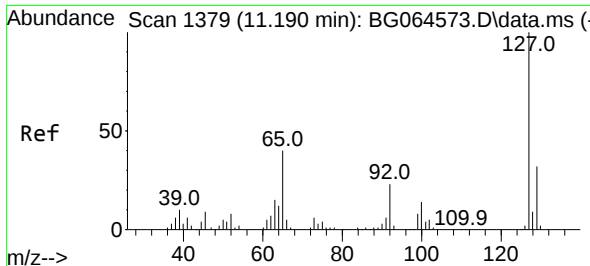
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#32
Benzoic acid
Concen: 44.434 ng
RT: 10.318 min Scan# 1230
Delta R.T. 0.009 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:122 Resp: 77183
Ion Ratio Lower Upper
122 100
105 126.7 104.2 144.2
77 102.8 70.2 110.2





#33
4-Chloroaniline
Concen: 22.523 ng
RT: 11.188 min Scan# 1379
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

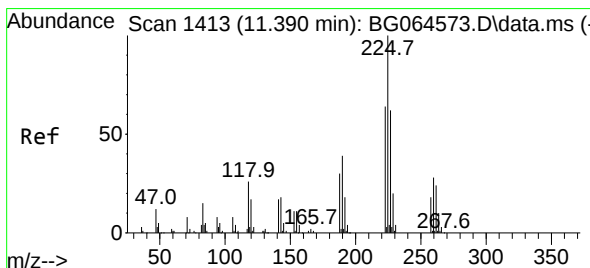
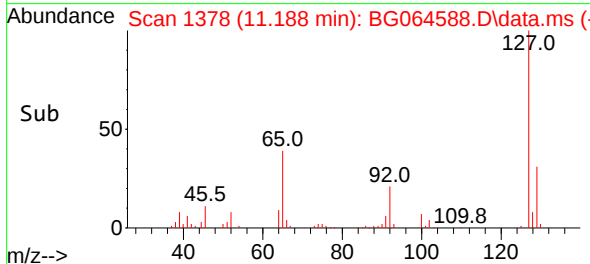
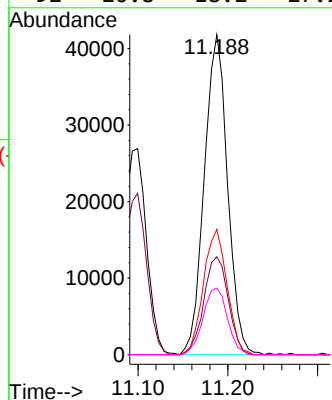
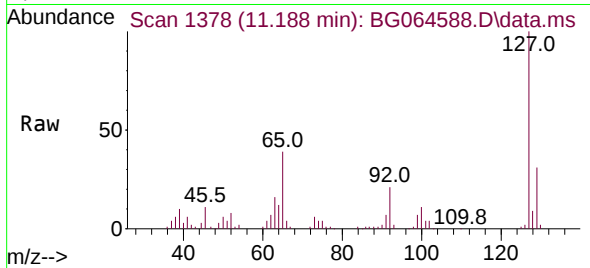
PB170246BS

Tgt Ion:127 Resp: 75318
Ion Ratio Lower Upper
127 100
129 30.6 25.5 38.3
65 39.1 32.2 48.4
92 20.8 18.2 27.2

Manual Integrations

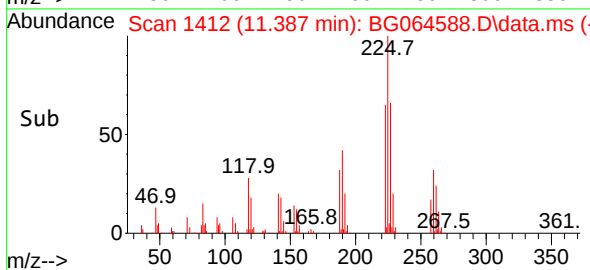
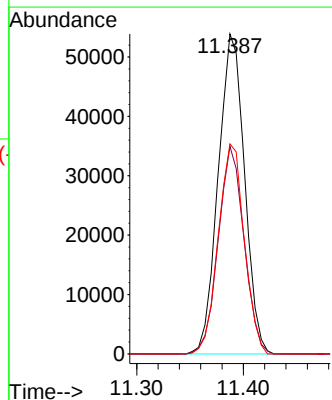
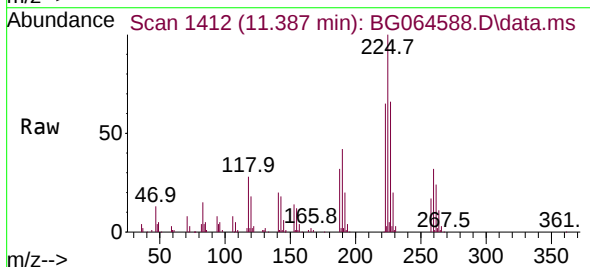
APPROVED

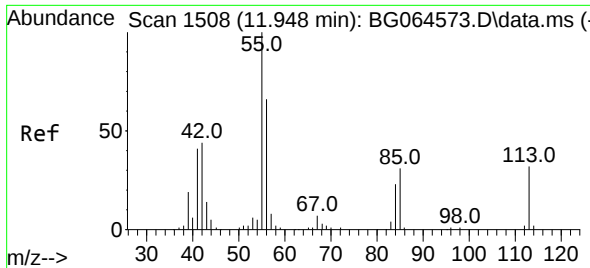
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#34
Hexachlorobutadiene
Concen: 41.953 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:225 Resp: 92515
Ion Ratio Lower Upper
225 100
223 61.9 48.8 73.2
227 62.7 49.5 74.3





#35
 Caprolactam
 Concen: 41.125 ng m
 RT: 11.946 min Scan# 11
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

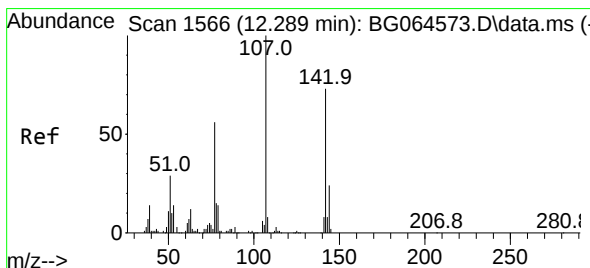
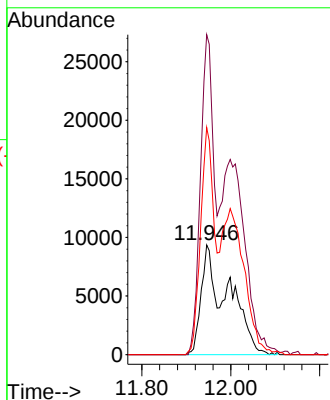
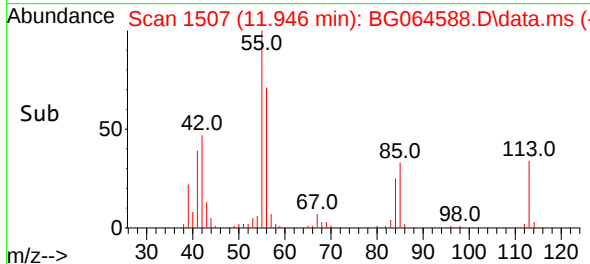
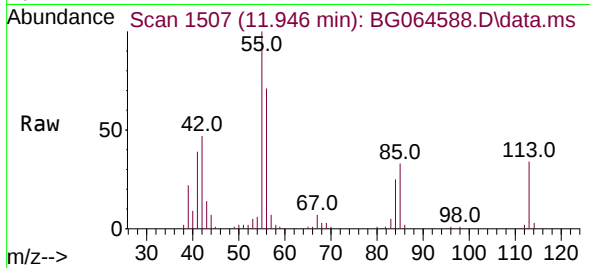
PB170246BS

Tgt Ion:113 Resp: 39145
 Ion Ratio Lower Upper
 113 100
 55 291.8 290.1 330.1
 56 207.0 183.8 223.8

Manual Integrations

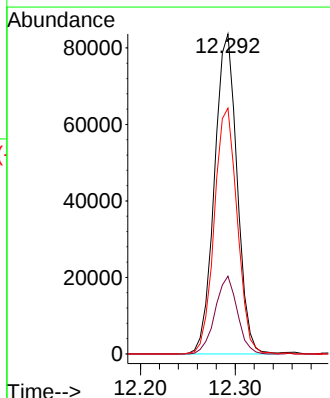
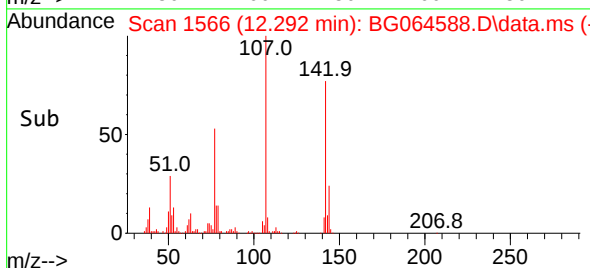
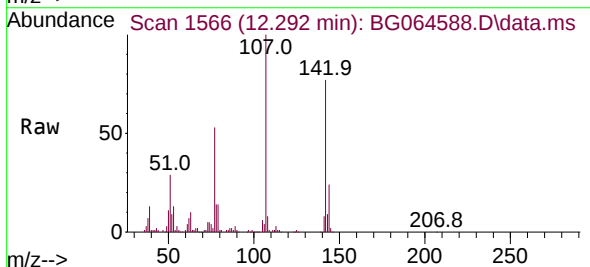
APPROVED

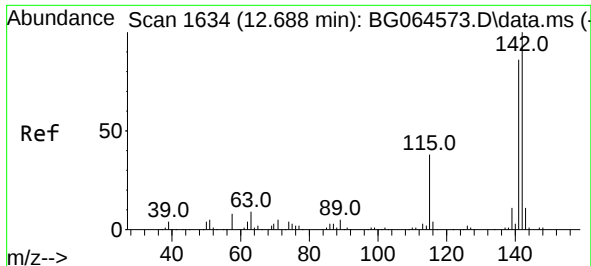
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025



#36
 4-Chloro-3-methylphenol
 Concen: 46.495 ng
 RT: 12.292 min Scan# 1566
 Delta R.T. 0.004 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22

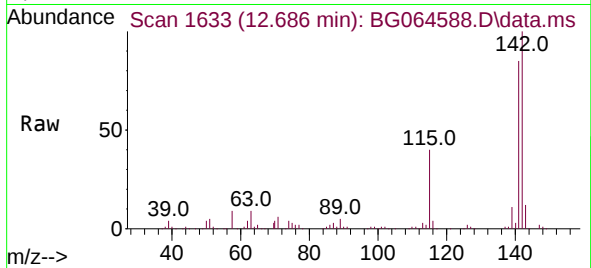
Tgt Ion:107 Resp: 138701
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.1 28.7
 142 76.8 58.6 87.8





#37
2-Methylnaphthalene
Concen: 38.379 ng
RT: 12.686 min Scan# 1633
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

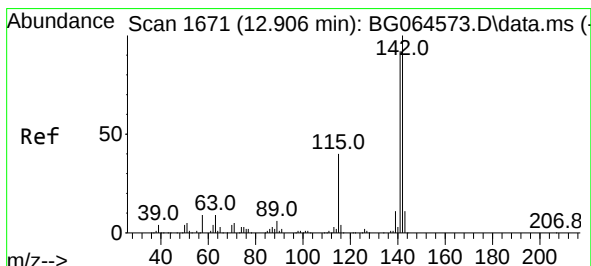
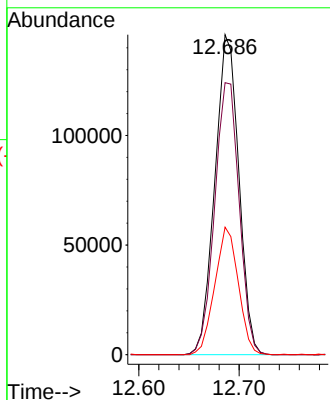
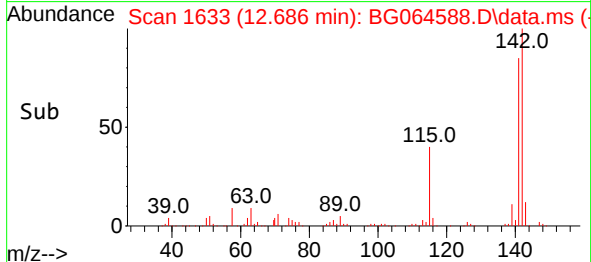
Instrument :
BNA_G
ClientSampleId :
PB170246BS



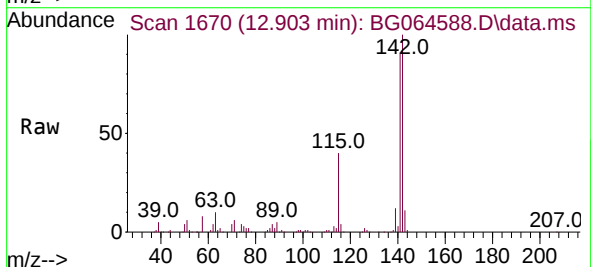
Tgt Ion:142 Resp: 242431
Ion Ratio Lower Upper
142 100
141 85.0 68.9 103.3
115 39.8 30.6 46.0

Manual Integrations
APPROVED

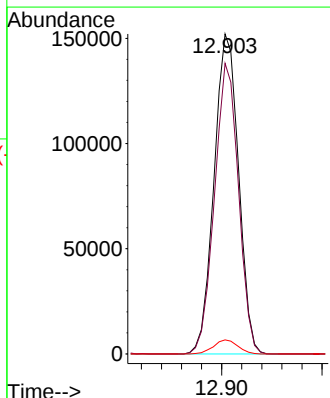
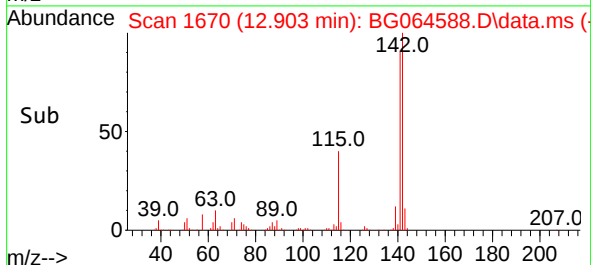
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

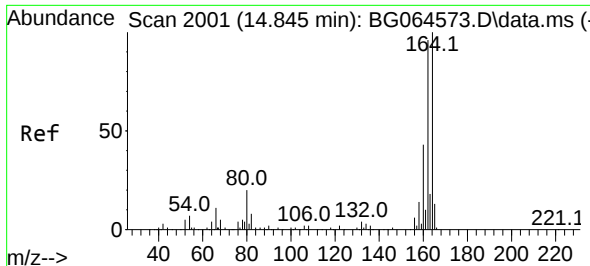


#38
1-Methylnaphthalene
Concen: 41.251 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



Tgt Ion:142 Resp: 257957
Ion Ratio Lower Upper
142 100
141 90.8 73.3 109.9
116 4.4 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2001
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

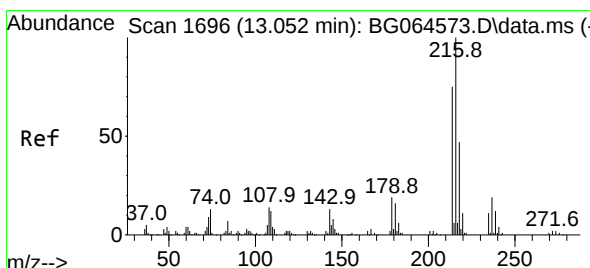
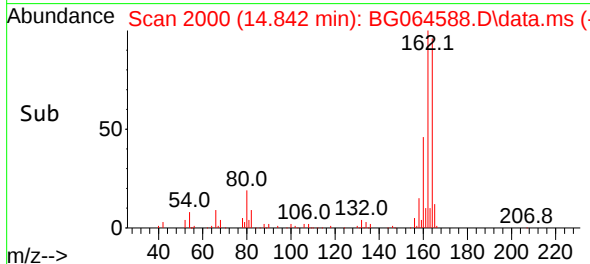
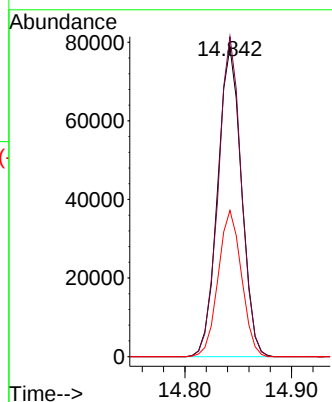
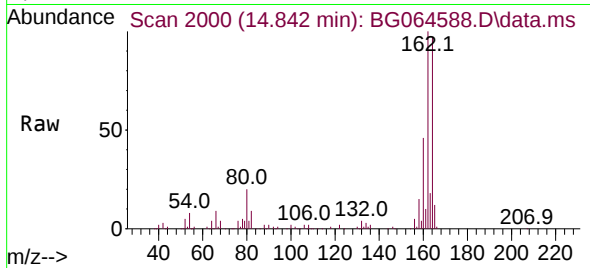
PB170246BS

Tgt Ion:164 Resp: 121982
Ion Ratio Lower Upper
164 100
162 103.5 77.0 115.6
160 47.2 34.4 51.6

Manual Integrations

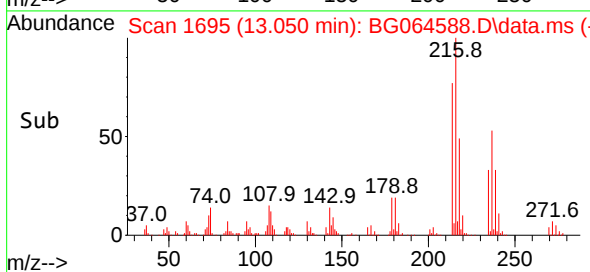
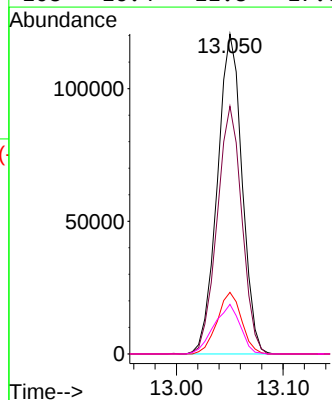
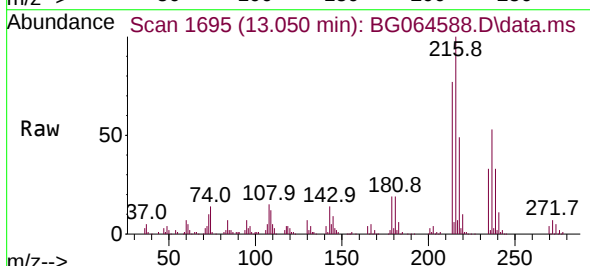
APPROVED

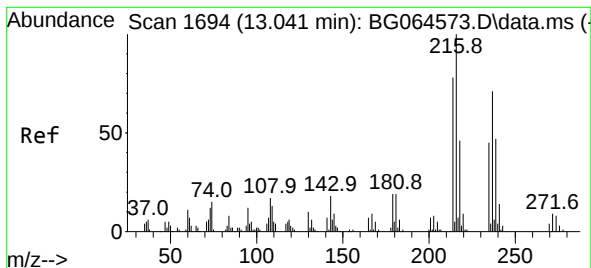
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.439 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:216 Resp: 194204
Ion Ratio Lower Upper
216 100
214 77.5 61.4 92.2
179 18.9 15.4 23.0
108 16.4 11.8 17.6





#41

Hexachlorocyclopentadiene

Concen: 115.722 ng

RT: 13.038 min Scan# 1693

Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

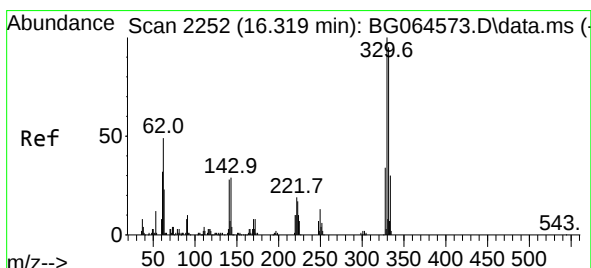
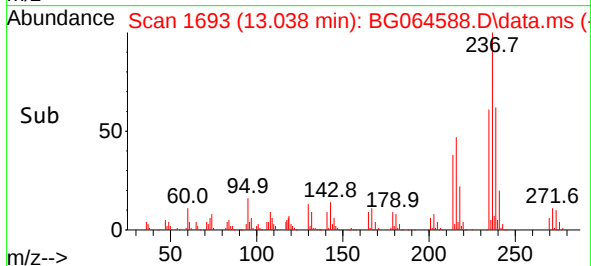
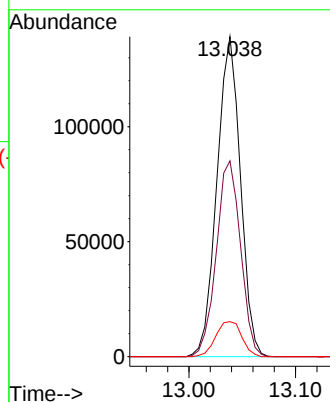
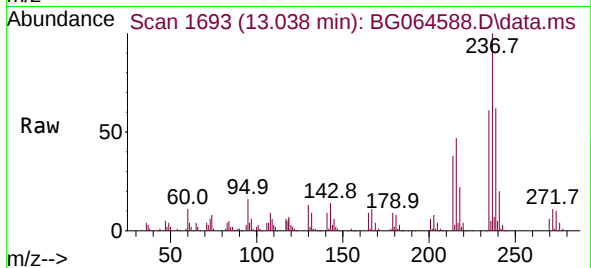
PB170246BS

Tgt Ion:237	Resp: 213234
Ion Ratio	Lower Upper
237 100	
235 61.2	44.1 84.1
272 10.9	0.0 32.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#42

2,4,6-Tribromophenol

Concen: 132.598 ng

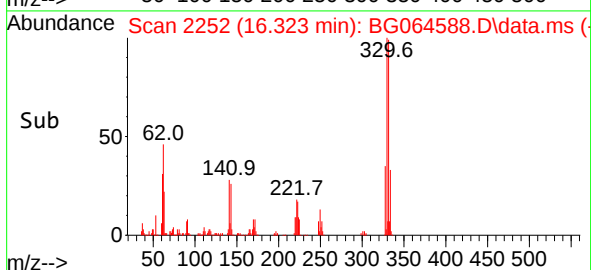
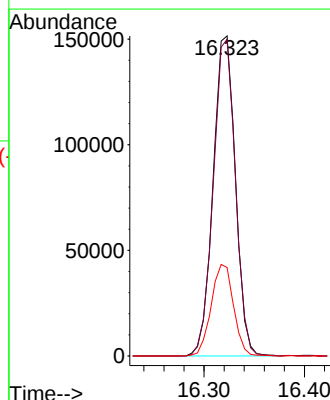
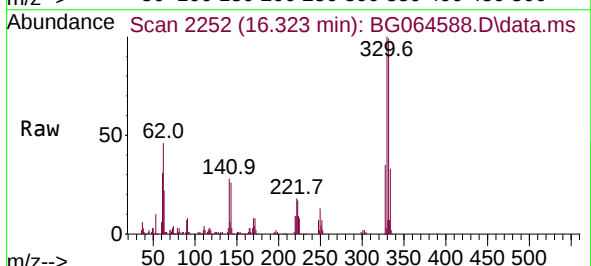
RT: 16.323 min Scan# 2252

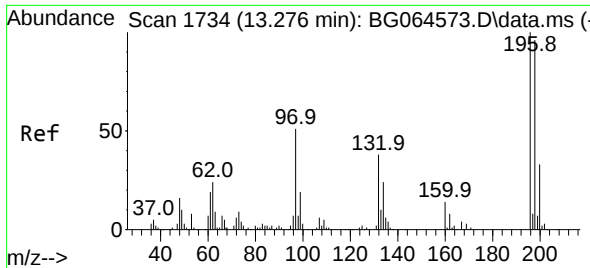
Delta R.T. 0.004 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

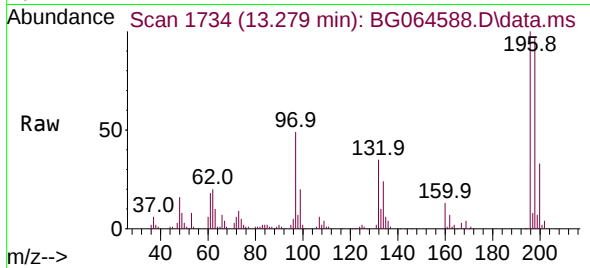
Tgt Ion:330	Resp: 233447
Ion Ratio	Lower Upper
330 100	
332 98.4	78.0 117.0
141 28.7	21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 48.940 ng
RT: 13.279 min Scan# 1734
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

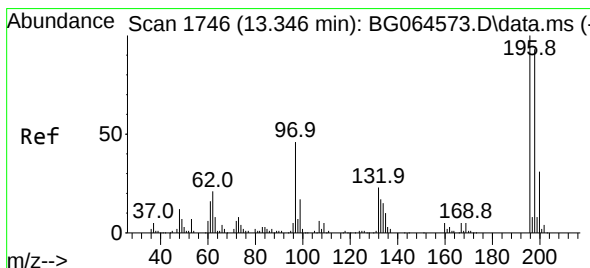
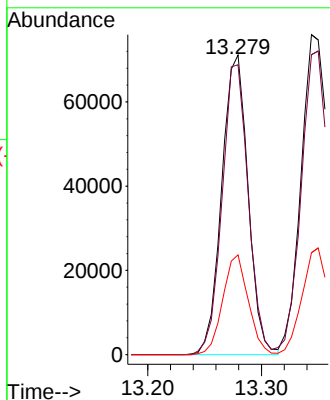
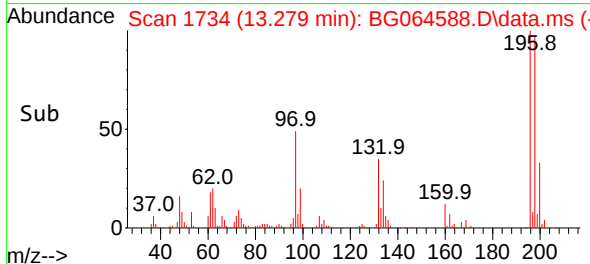
Instrument :
BNA_G
ClientSampleId :
PB170246BS



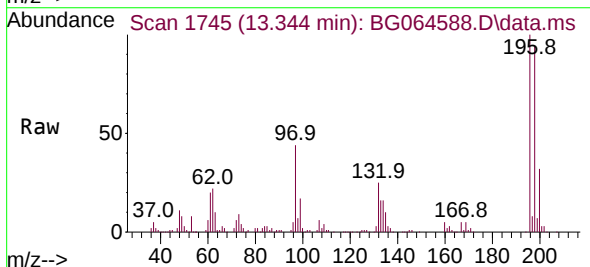
Tgt Ion:196 Resp: 114602
Ion Ratio Lower Upper
196 100
198 96.7 76.6 115.0
200 33.3 26.0 39.0

Manual Integrations
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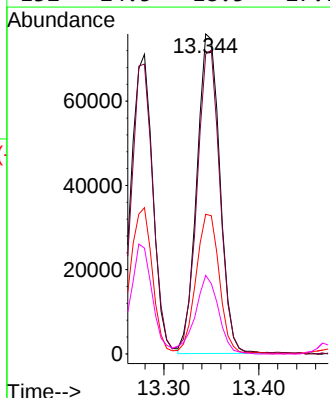
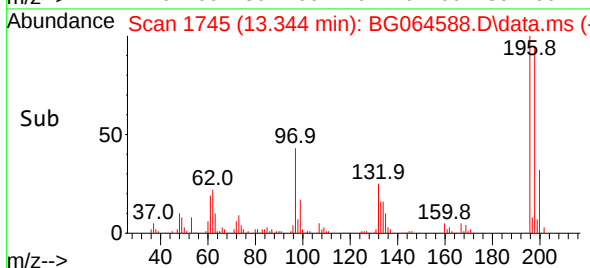
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

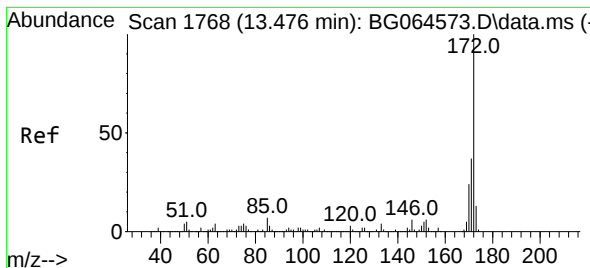


#44
2,4,5-Trichlorophenol
Concen: 47.327 ng
RT: 13.344 min Scan# 1745
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



Tgt Ion:196 Resp: 127891
Ion Ratio Lower Upper
196 100
198 93.7 74.2 111.4
97 43.6 37.0 55.6
132 24.5 18.5 27.7





#45

2-Fluorobiphenyl

Concen: 82.135 ng

RT: 13.473 min Scan# 1768

Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

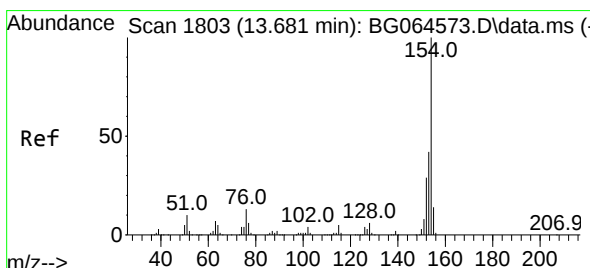
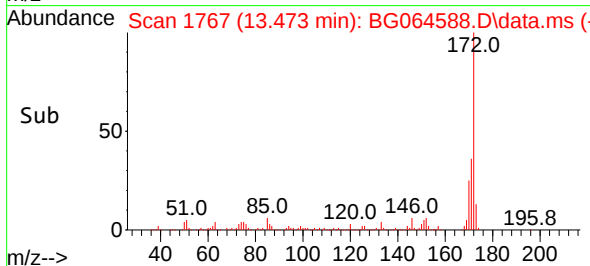
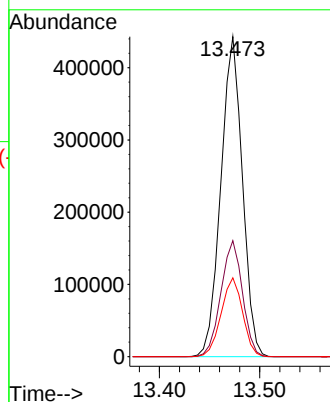
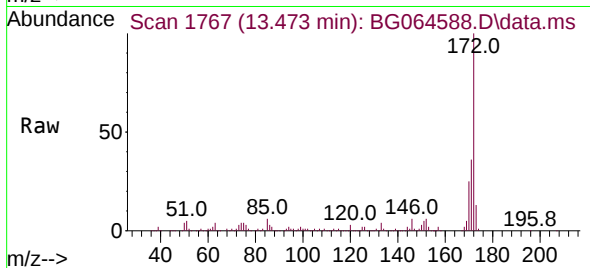
PB170246BS

Tgt Ion:172	Resp: 660996
Ion Ratio	Lower Upper
172 100	
171 36.2	29.4 44.0
170 24.6	19.1 28.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#46

1,1'-Biphenyl

Concen: 48.675 ng

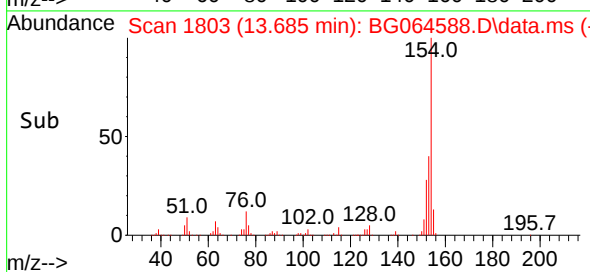
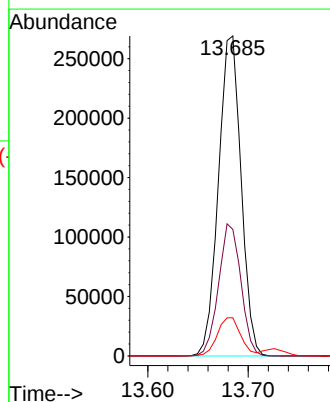
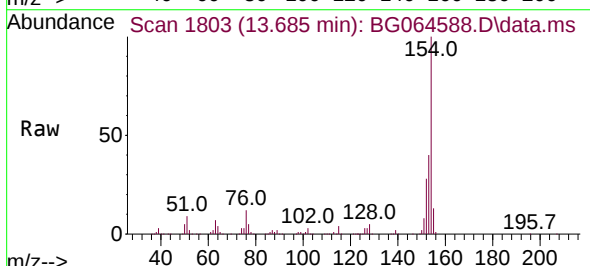
RT: 13.685 min Scan# 1803

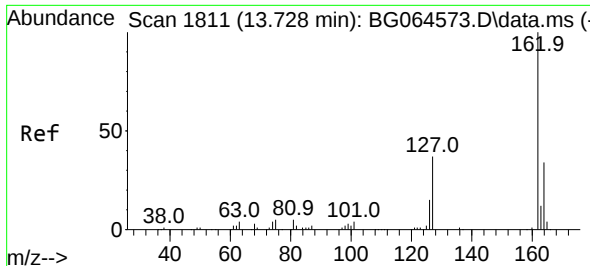
Delta R.T. 0.004 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Tgt Ion:154	Resp: 422117
Ion Ratio	Lower Upper
154 100	
153 39.5	22.4 62.4
76 11.9	0.0 33.5





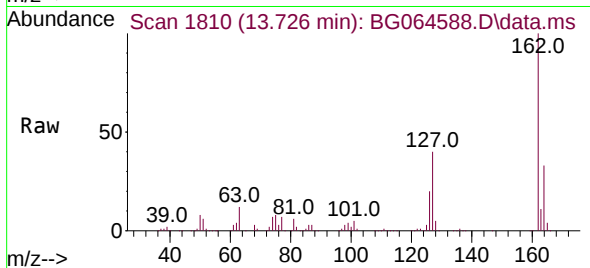
#47
2-Chloronaphthalene
Concen: 43.340 ng
RT: 13.726 min Scan# 1811
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

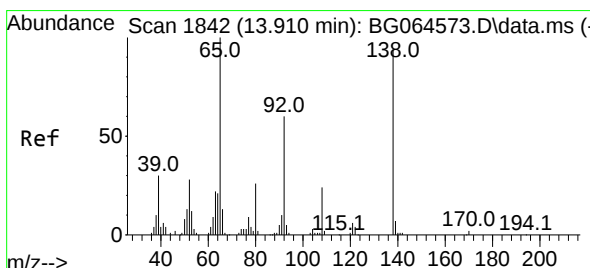
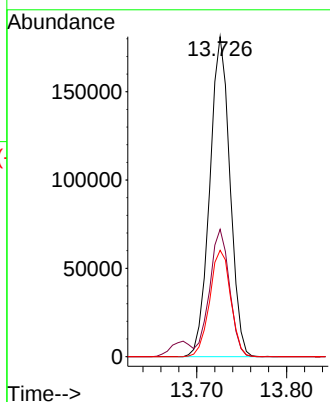
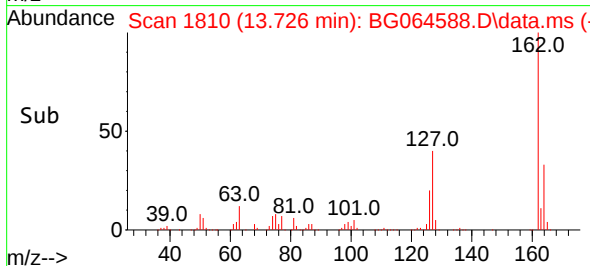


Tgt Ion:162 Resp: 283699
Ion Ratio Lower Upper
162 100
127 39.8 32.2 48.2
164 33.2 27.5 41.3

Manual Integrations

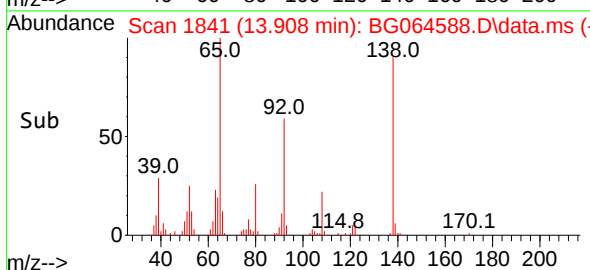
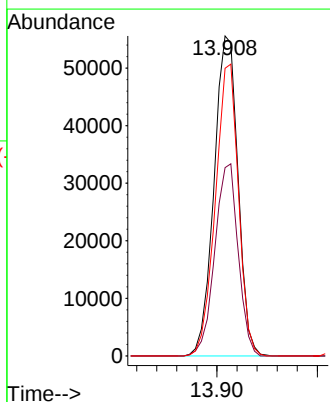
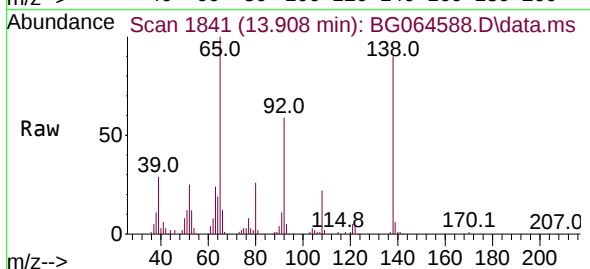
APPROVED

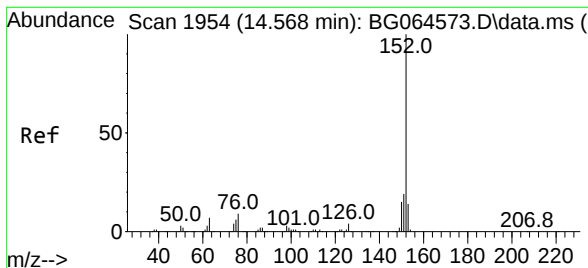
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#48
2-Nitroaniline
Concen: 42.337 ng
RT: 13.908 min Scan# 1841
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion: 65 Resp: 92141
Ion Ratio Lower Upper
65 100
92 58.8 48.3 72.5
138 89.9 74.9 112.3





#49

Acenaphthylene

Concen: 49.899 ng

RT: 14.566 min Scan# 1954

Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

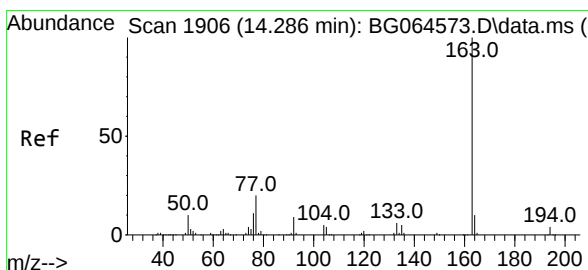
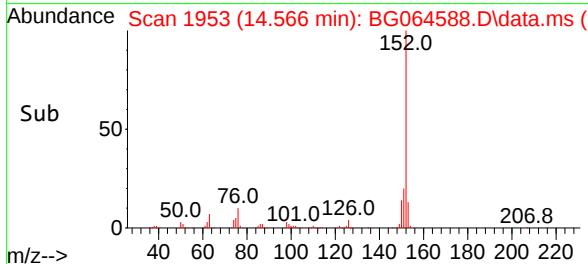
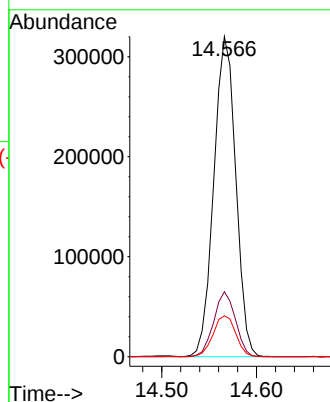
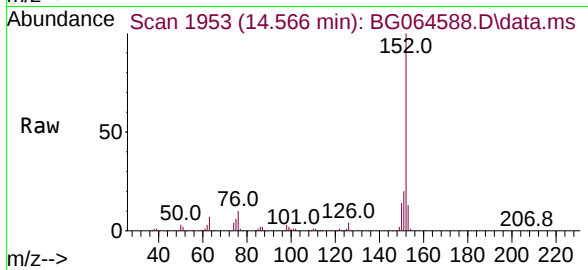
Tgt Ion:152 Resp: 515217
 Ion Ratio Lower Upper
 152 100
 151 20.3 15.4 23.2
 153 12.7 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#50

Dimethylphthalate

Concen: 43.427 ng

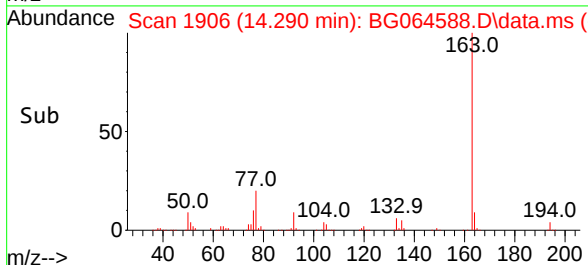
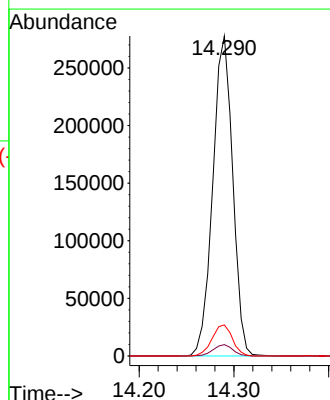
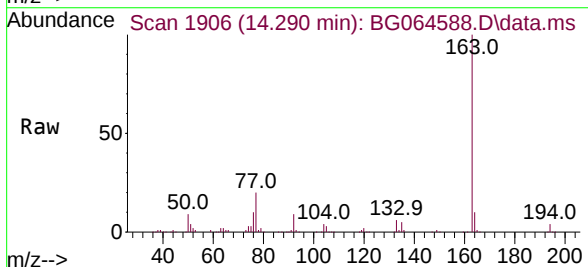
RT: 14.290 min Scan# 1906

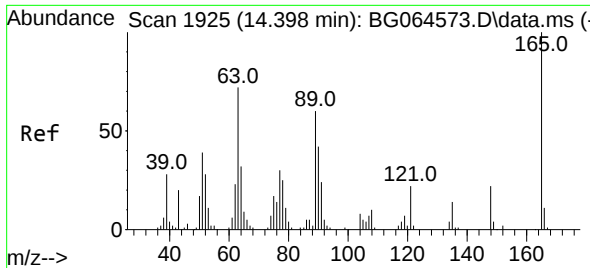
Delta R.T. 0.004 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Tgt Ion:163 Resp: 405346
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 9.7 7.7 11.5





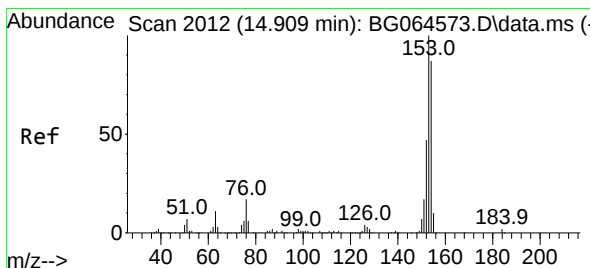
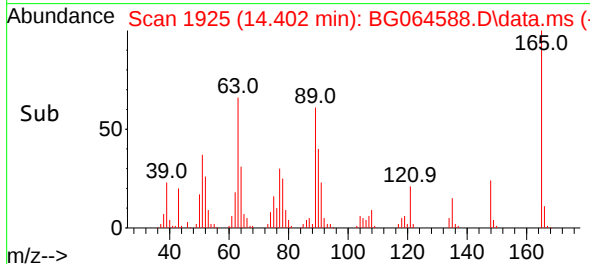
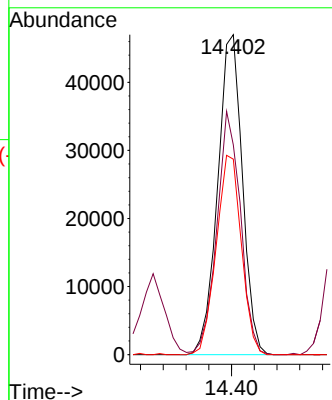
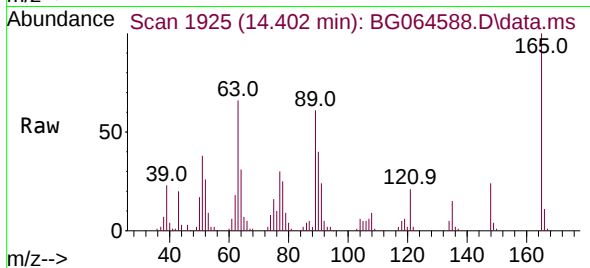
#51
2,6-Dinitrotoluene
Concen: 46.157 ng
RT: 14.402 min Scan# 1925
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :
BNA_G
ClientSampleId :
PB170246BS

Tgt Ion:165 Resp: 70886
Ion Ratio Lower Upper
165 100
63 65.5 57.4 86.0
89 61.1 47.8 71.8

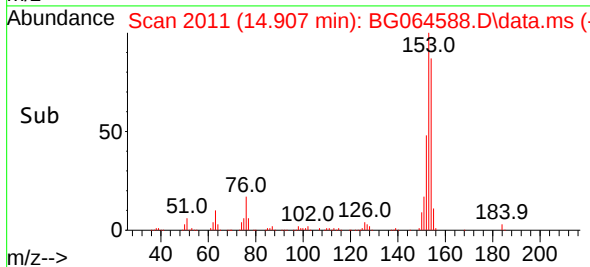
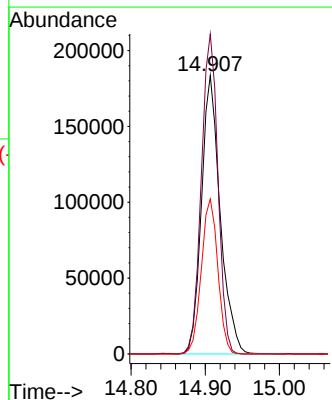
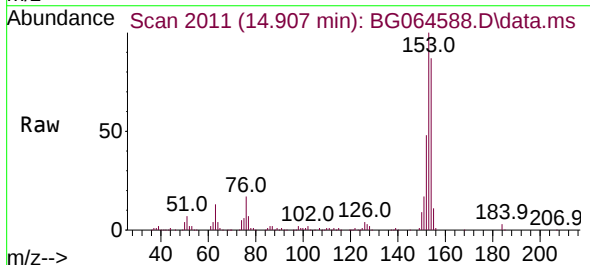
Manual Integrations
APPROVED

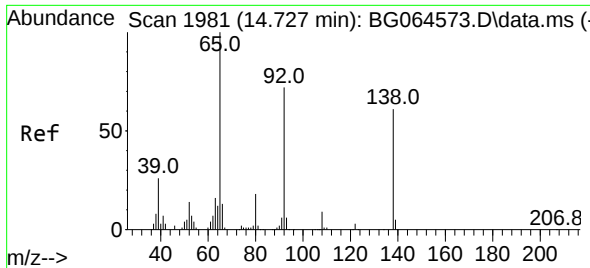
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#52
Acenaphthene
Concen: 45.701 ng
RT: 14.907 min Scan# 2011
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:154 Resp: 322385
Ion Ratio Lower Upper
154 100
153 115.0 92.2 138.4
152 55.7 43.2 64.8





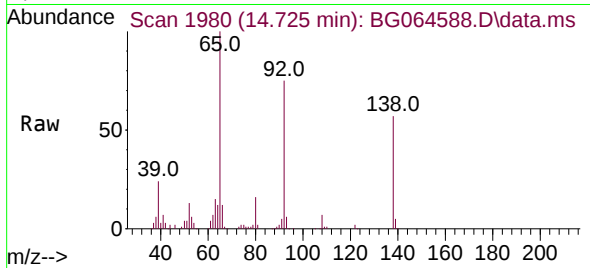
#53
3-Nitroaniline
Concen: 34.558 ng
RT: 14.725 min Scan# 1981
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

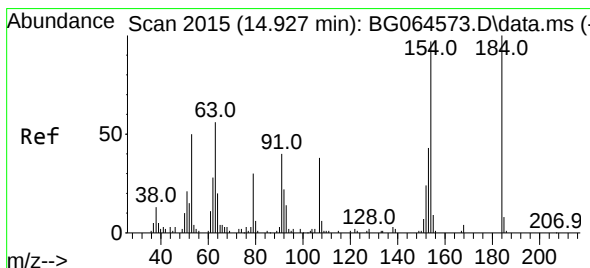
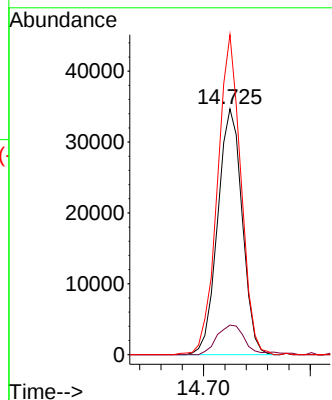
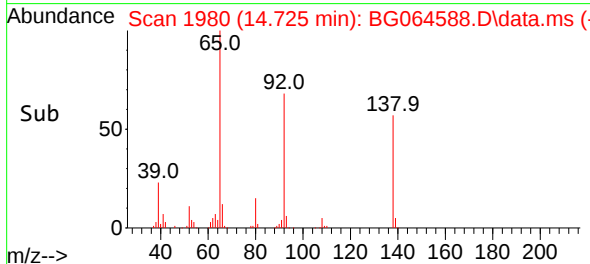


Tgt Ion:138 Resp: 55435
Ion Ratio Lower Upper
138 100
108 12.1 11.4 17.0
92 130.3 95.3 142.9

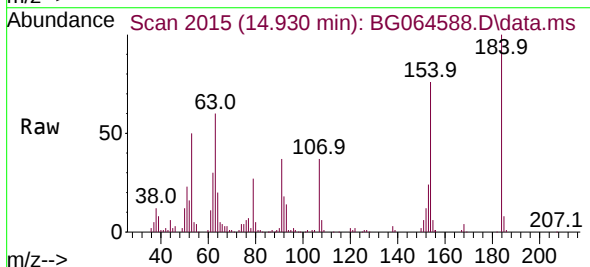
Manual Integrations

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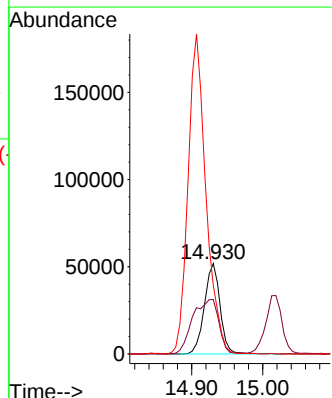
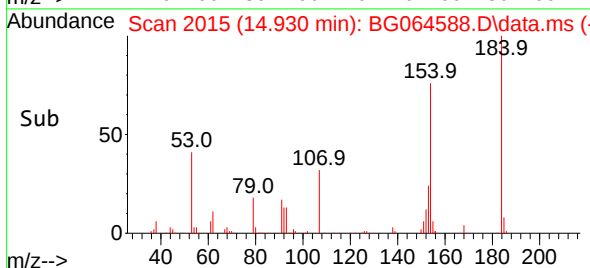
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

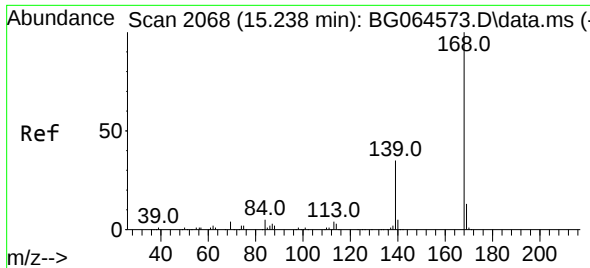


#54
2,4-Dinitrophenol
Concen: 83.109 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



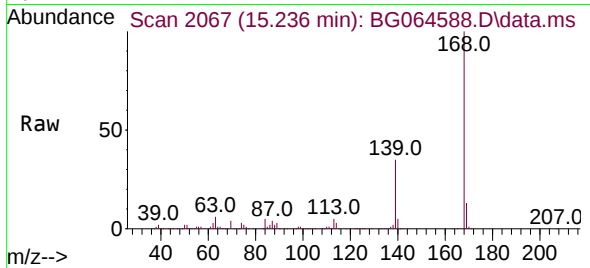
Tgt Ion:184 Resp: 78763
Ion Ratio Lower Upper
184 100
63 60.2 56.6 85.0
154 75.5 158.6 238.0#





#55
Dibenzofuran
Concen: 43.694 ng
RT: 15.236 min Scan# 2068
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

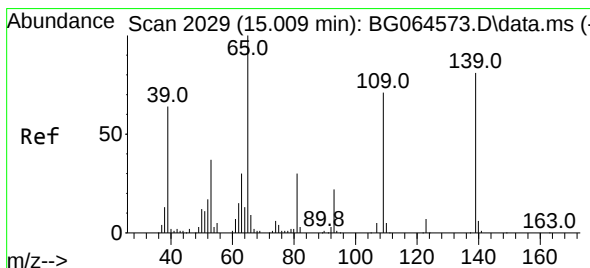
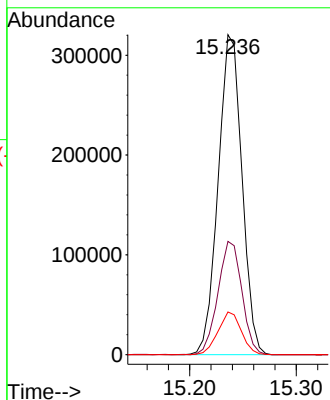
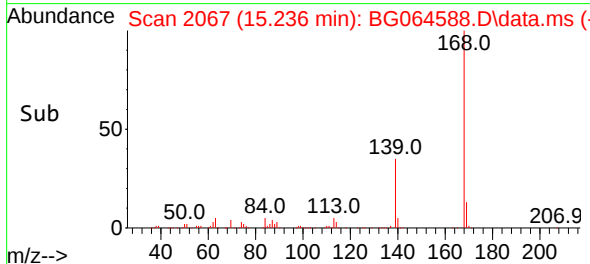
Instrument :
BNA_G
ClientSampleId :
PB170246BS



Tgt Ion:168 Resp: 498315
Ion Ratio Lower Upper
168 100
139 35.4 27.8 41.8
169 13.3 10.3 15.5

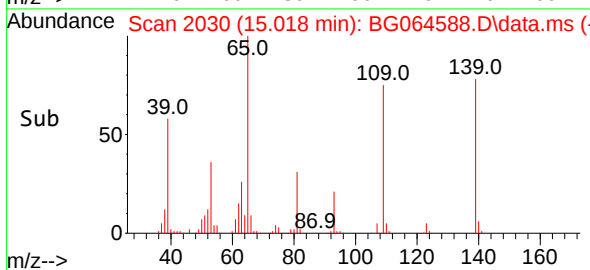
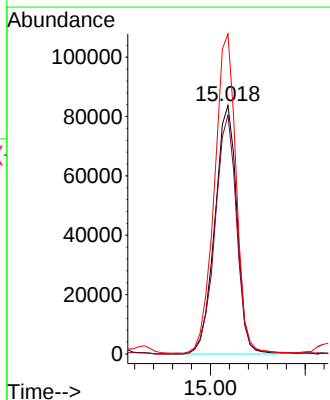
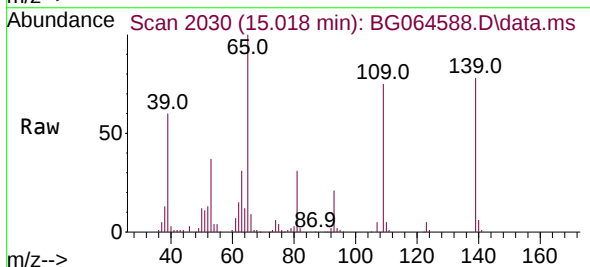
Manual Integrations
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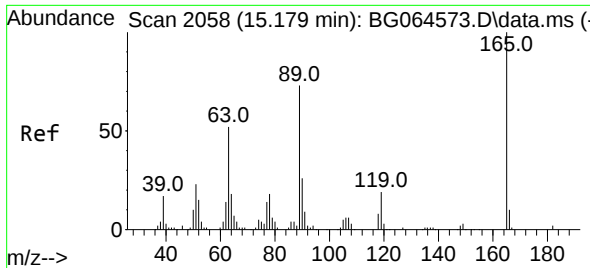
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#56
4-Nitrophenol
Concen: 91.038 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:139 Resp: 135394
Ion Ratio Lower Upper
139 100
109 96.1 67.8 107.8
65 128.8 103.7 143.7





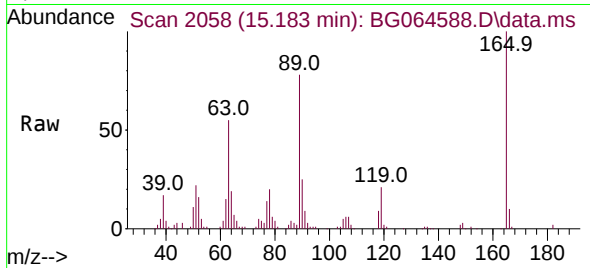
#57
2,4-Dinitrotoluene
Concen: 44.254 ng
RT: 15.183 min Scan# 2058
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

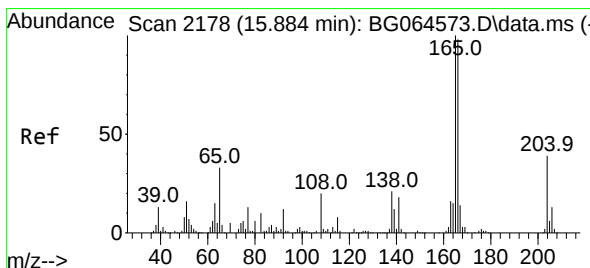
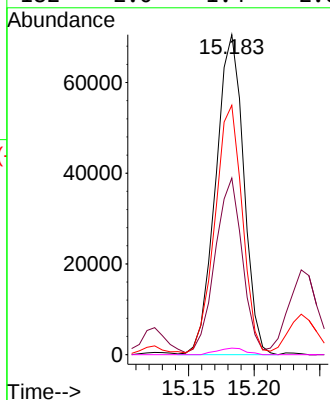
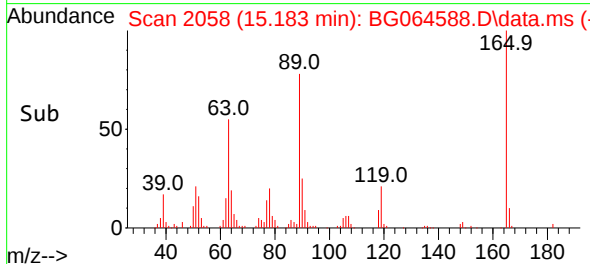


Tgt Ion:165 Resp: 104776
Ion Ratio Lower Upper
165 100
63 55.2 41.8 62.8
89 78.0 58.1 87.1
182 2.0 1.4 2.0

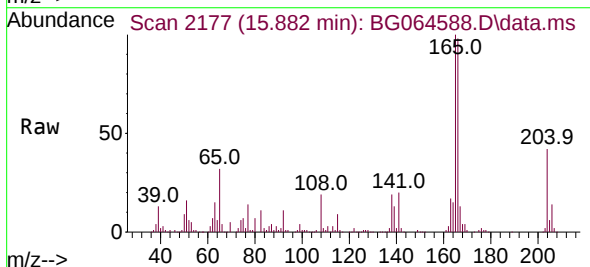
Manual Integrations

APPROVED

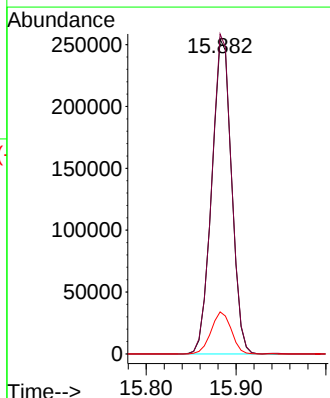
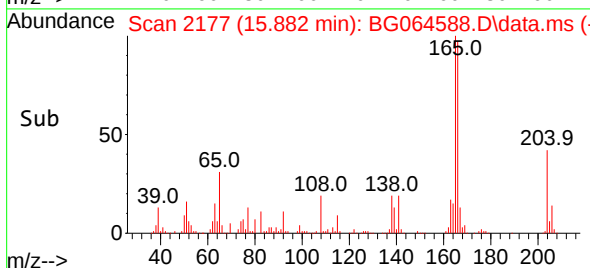
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

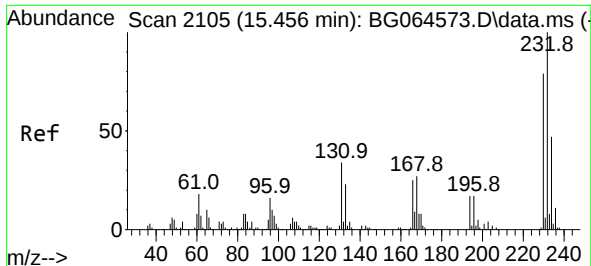


#58
Fluorene
Concen: 43.850 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



Tgt Ion:166 Resp: 390553
Ion Ratio Lower Upper
166 100
165 101.6 81.5 122.3
167 13.3 11.4 17.0





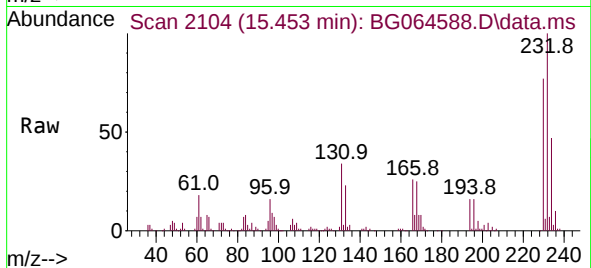
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.164 ng
RT: 15.453 min Scan# 2105
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

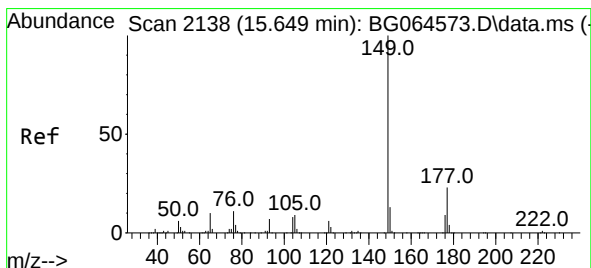
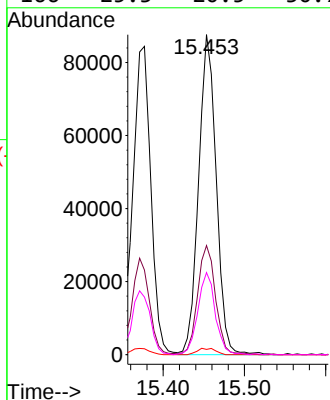
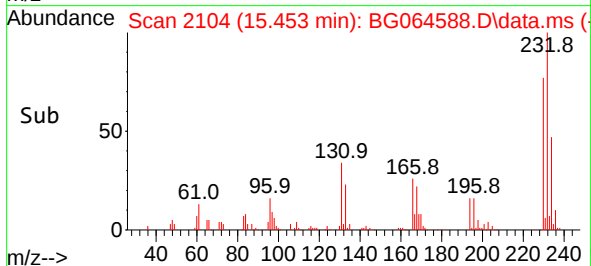


Tgt Ion:232 Resp: 132211
Ion Ratio Lower Upper
232 100
131 34.7 26.7 40.1
130 2.0 1.6 2.4
166 25.3 20.5 30.7

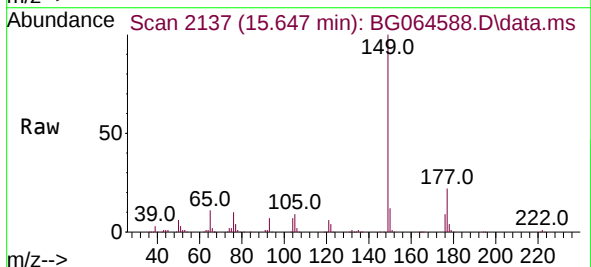
Manual Integrations

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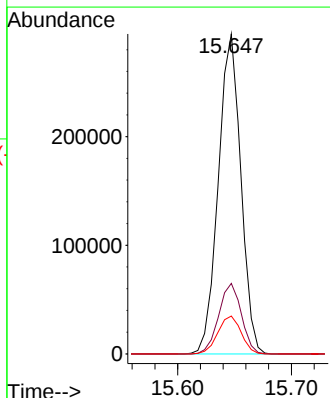
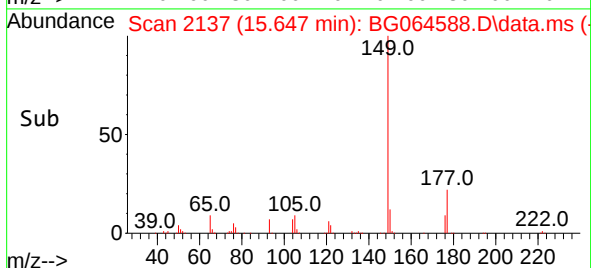
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

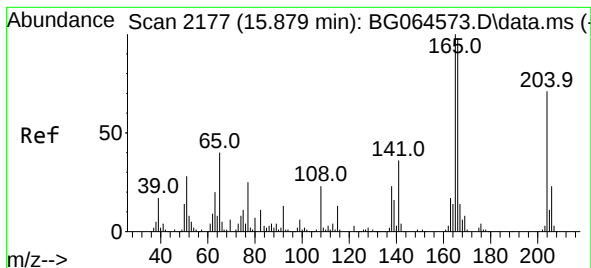


#60
Diethylphthalate
Concen: 42.527 ng
RT: 15.647 min Scan# 2137
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



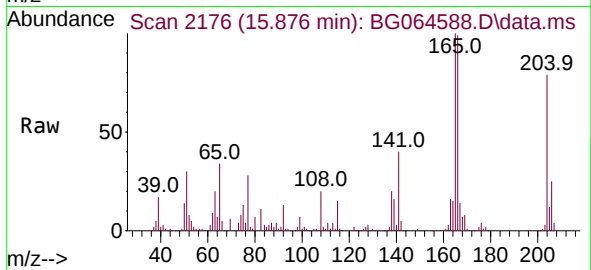
Tgt Ion:149 Resp: 405303
Ion Ratio Lower Upper
149 100
177 22.0 18.0 27.0
150 11.8 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 43.433 ng
RT: 15.876 min Scan# 2177
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

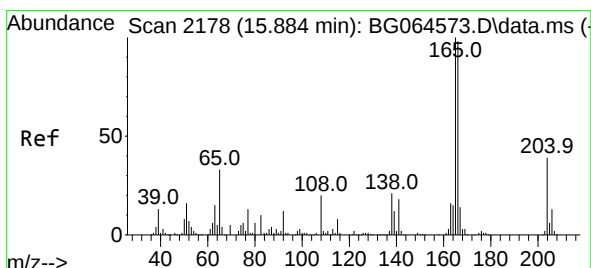
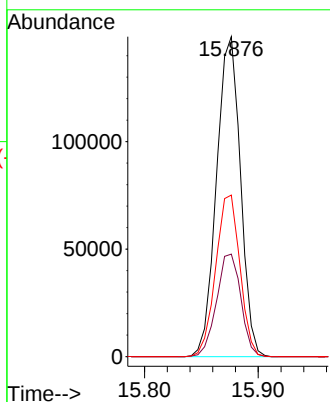
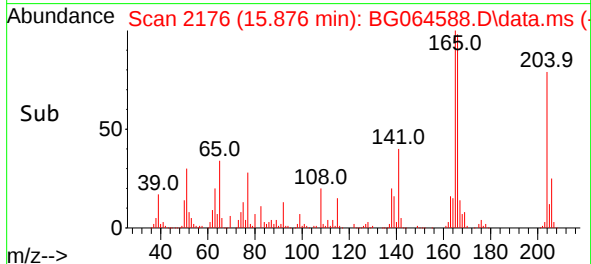
Instrument :
BNA_G
ClientSampleId :
PB170246BS



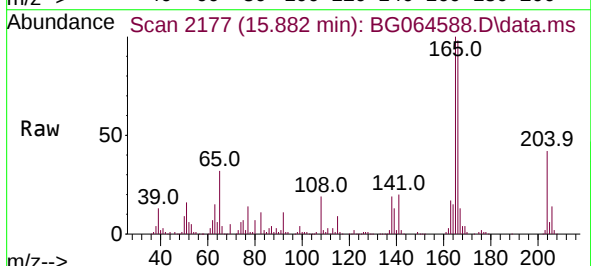
Tgt Ion:204 Resp: 217094
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 50.5 40.6 60.8

Manual Integrations
APPROVED

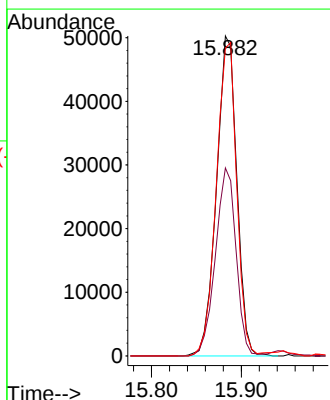
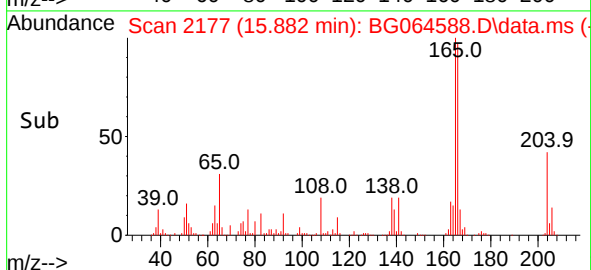
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

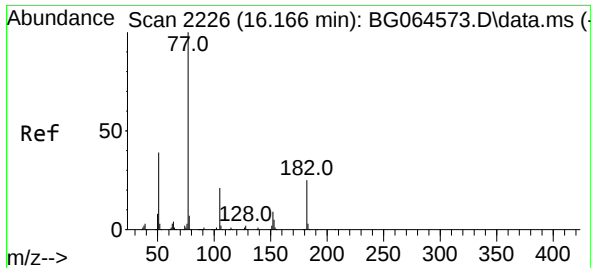


#62
4-Nitroaniline
Concen: 44.270 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



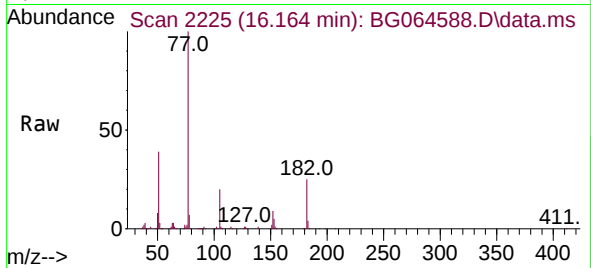
Tgt Ion:138 Resp: 79004
Ion Ratio Lower Upper
138 100
92 58.7 36.1 76.1
108 96.2 75.6 115.6





#63
Azobenzene
Concen: 44.473 ng
RT: 16.164 min Scan# 2226
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

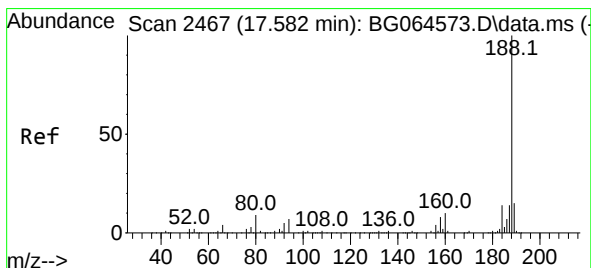
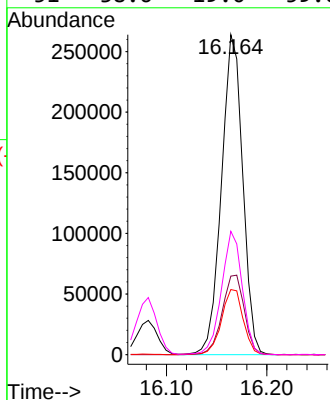
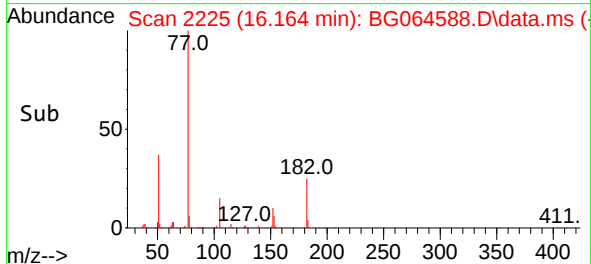
Instrument :
BNA_G
ClientSampleId :
PB170246BS



Tgt Ion: 77 Resp: 388897
Ion Ratio Lower Upper
77 100
182 24.5 4.9 44.9
105 20.3 1.3 41.3
51 38.6 19.0 59.0

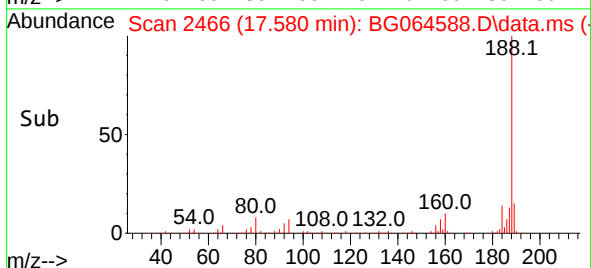
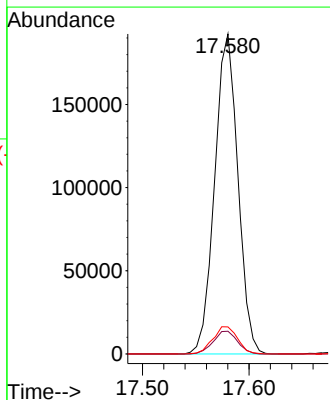
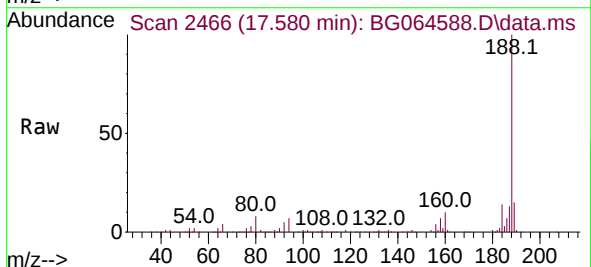
Manual Integrations
APPROVED

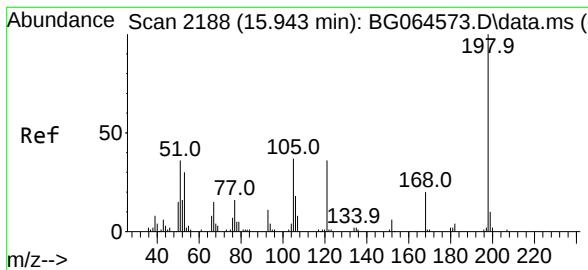
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:188 Resp: 291715
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 8.4 6.8 10.2





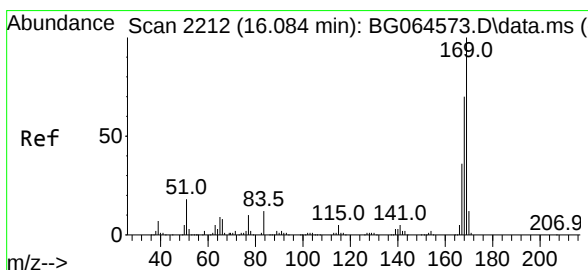
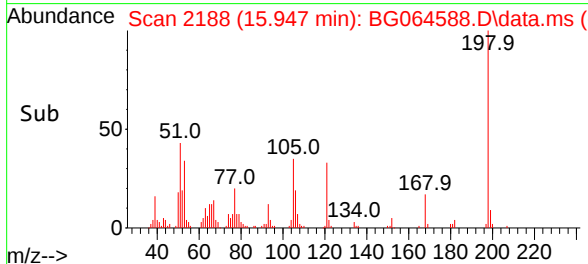
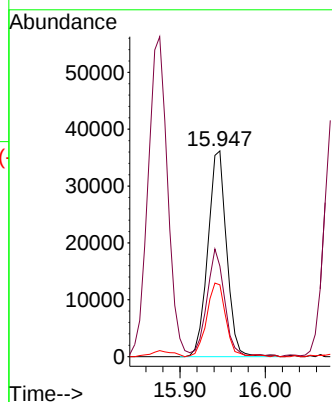
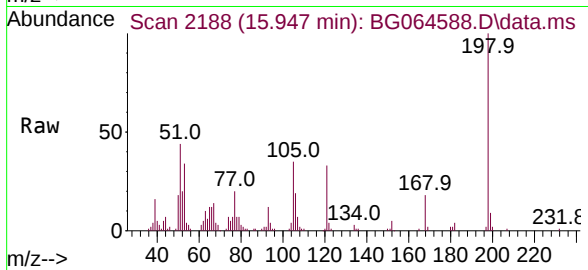
#65
4,6-Dinitro-2-methylphenol
Concen: 43.516 ng
RT: 15.947 min Scan# 2188
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :
BNA_G
ClientSampleId :
PB170246BS

Tgt Ion:198 Resp: 55125
Ion Ratio Lower Upper
198 100
51 44.0 24.7 64.7
105 34.9 18.0 58.0

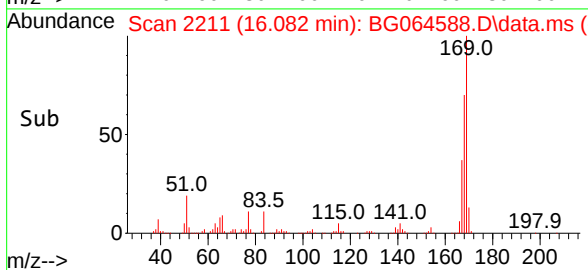
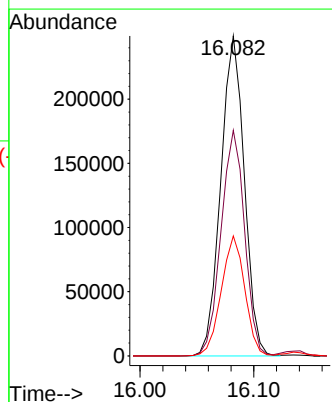
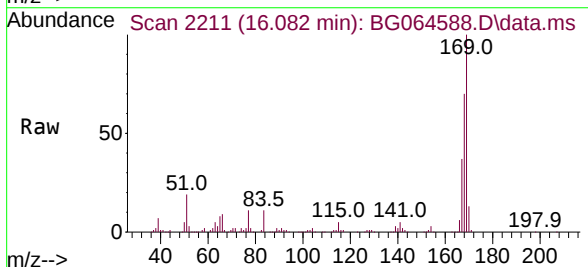
Manual Integrations
APPROVED

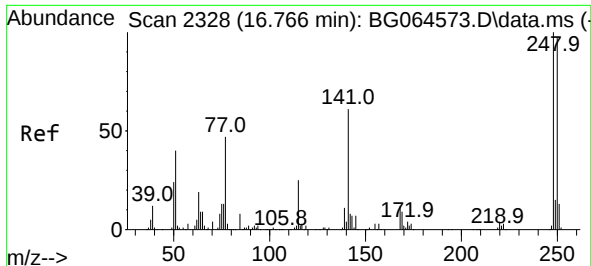
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#66
n-Nitrosodiphenylamine
Concen: 45.477 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

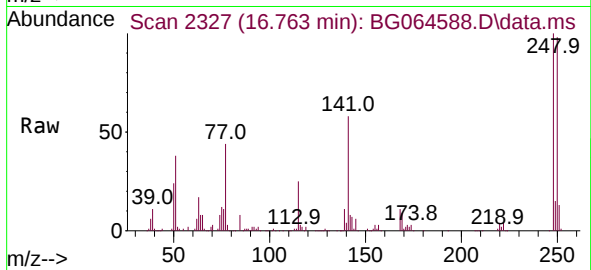
Tgt Ion:169 Resp: 358361
Ion Ratio Lower Upper
169 100
168 70.5 56.3 84.5
167 37.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 44.880 ng
RT: 16.763 min Scan# 2327
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

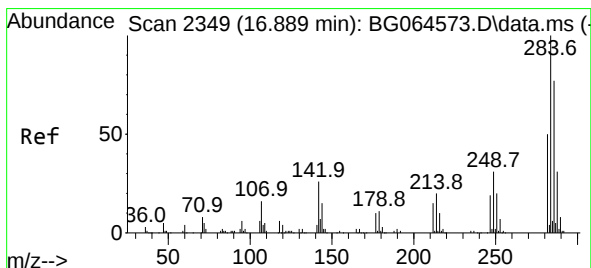
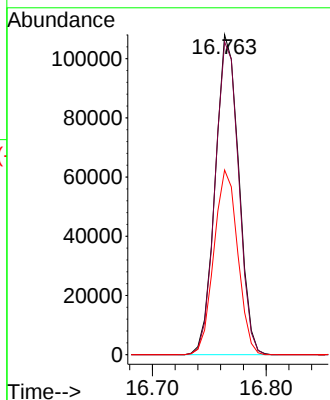
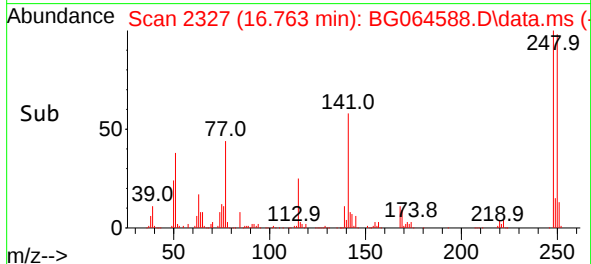
Instrument :
BNA_G
ClientSampleId :
PB170246BS



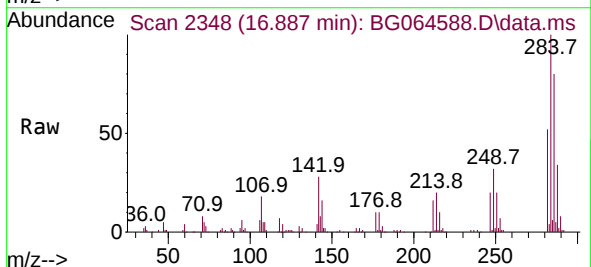
Tgt Ion:248 Resp: 155148
Ion Ratio Lower Upper
248 100
250 97.7 77.7 116.5
141 57.7 48.6 72.8

Manual Integrations
APPROVED

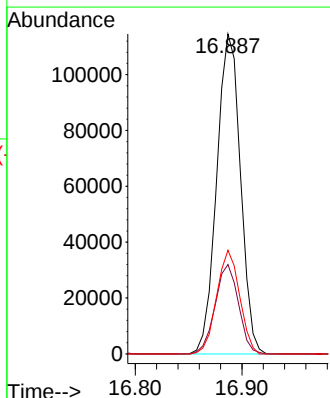
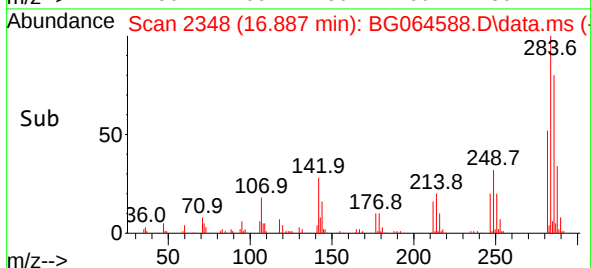
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

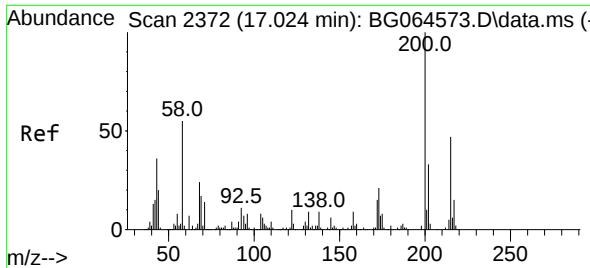


#68
Hexachlorobenzene
Concen: 44.907 ng
RT: 16.887 min Scan# 2348
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



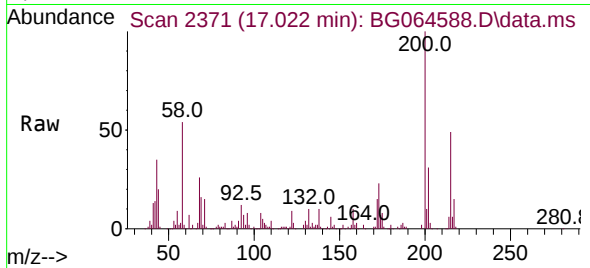
Tgt Ion:284 Resp: 177105
Ion Ratio Lower Upper
284 100
142 27.9 21.0 31.6
249 34.7 24.9 37.3





#69
 Atrazine
 Concen: 44.030 ng
 RT: 17.022 min Scan# 2372
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22

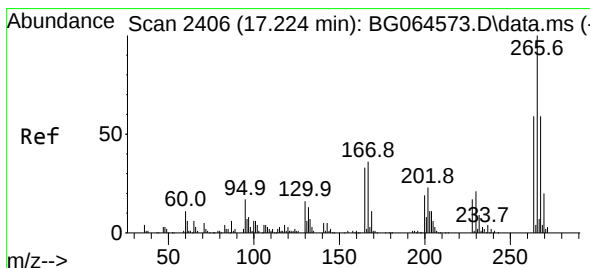
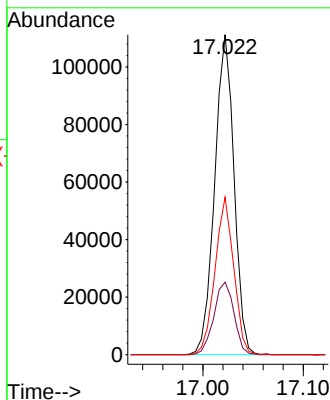
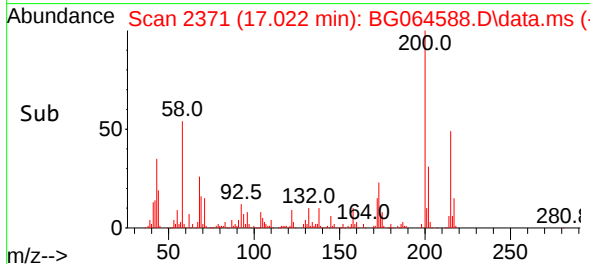
Instrument :
 BNA_G
 ClientSampleId :
 PB170246BS



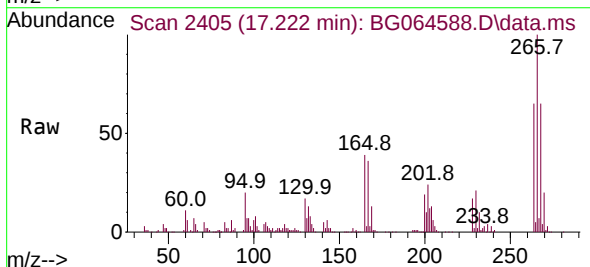
Tgt Ion:200 Resp: 149307
 Ion Ratio Lower Upper
 200 100
 173 22.6 0.9 40.9
 215 49.2 27.0 67.0

Manual Integrations
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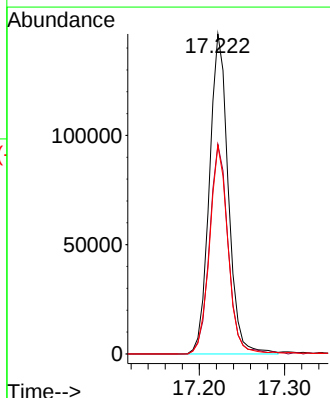
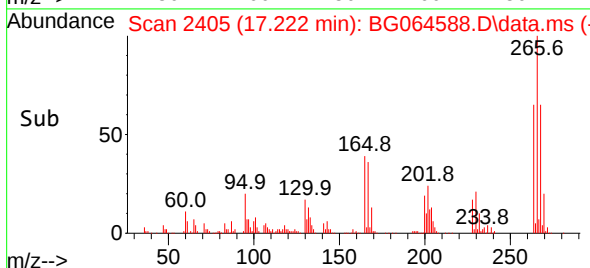
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

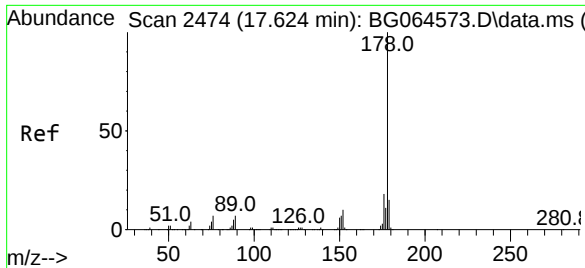


#70
 Pentachlorophenol
 Concen: 91.605 ng
 RT: 17.222 min Scan# 2405
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22



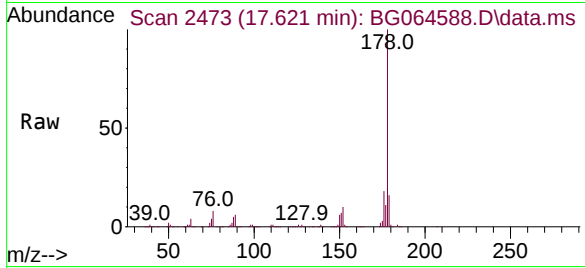
Tgt Ion:266 Resp: 225283
 Ion Ratio Lower Upper
 266 100
 268 69.8 50.3 75.5
 264 70.0 47.3 70.9





#71
Phenanthrene
Concen: 43.903 ng
RT: 17.621 min Scan# 2474
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

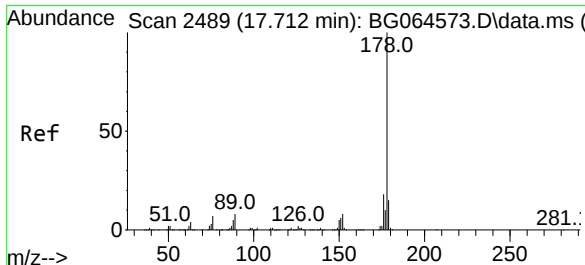
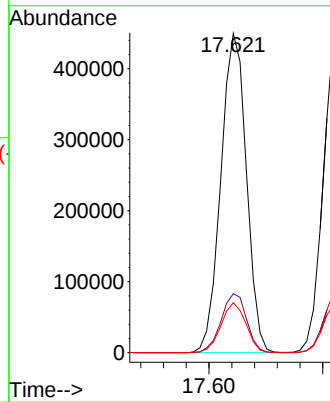
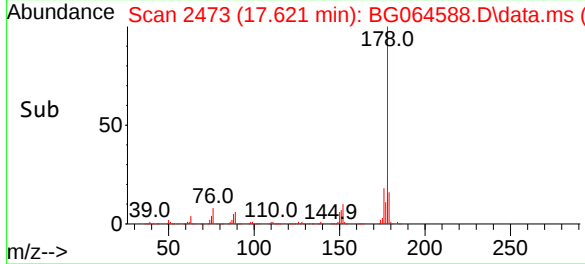
Instrument :
BNA_G
ClientSampleId :
PB170246BS



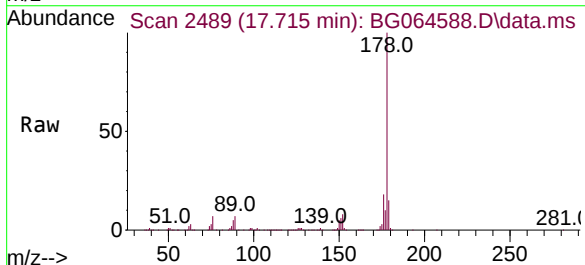
Tgt Ion:178 Resp: 700369
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.6 12.2 18.4

Manual Integrations
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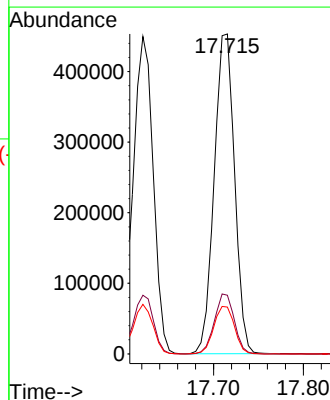
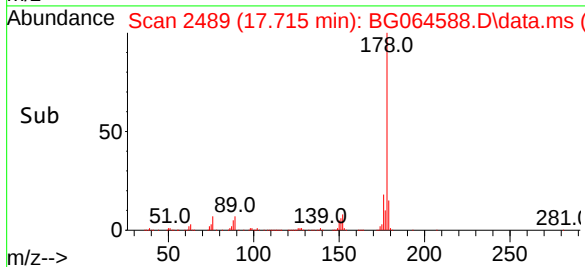
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

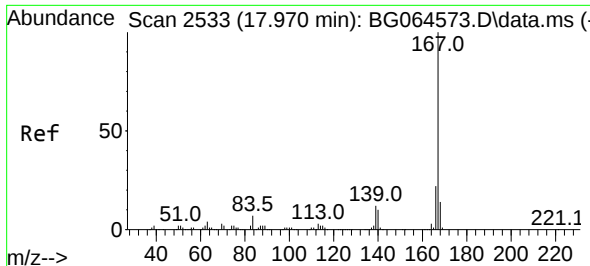


#72
Anthracene
Concen: 44.162 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



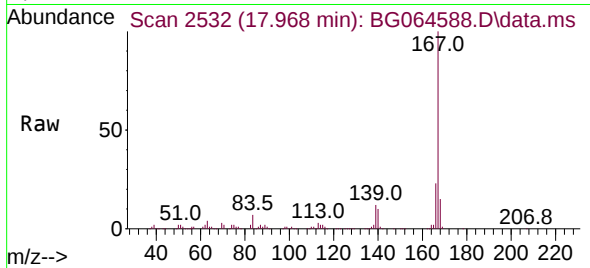
Tgt Ion:178 Resp: 716646
Ion Ratio Lower Upper
178 100
176 18.3 14.4 21.6
179 14.6 12.4 18.6





#73
 Carbazole
 Concen: 43.505 ng
 RT: 17.968 min Scan# 2533
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22

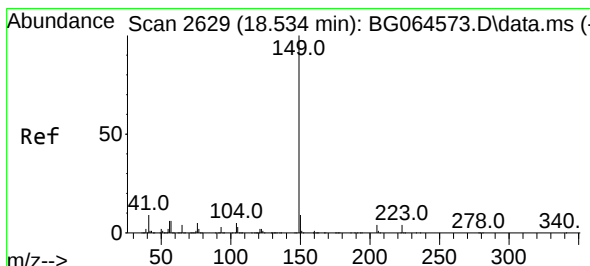
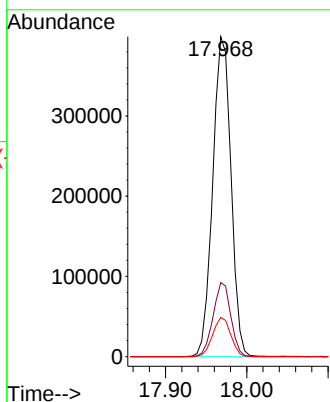
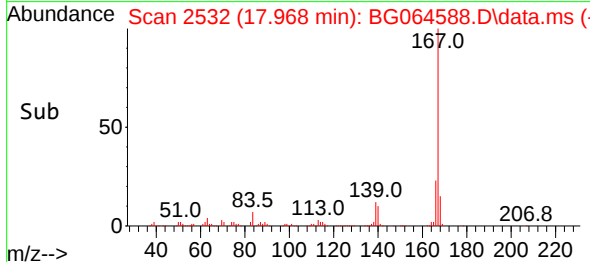
Instrument :
 BNA_G
 ClientSampleId :
 PB170246BS



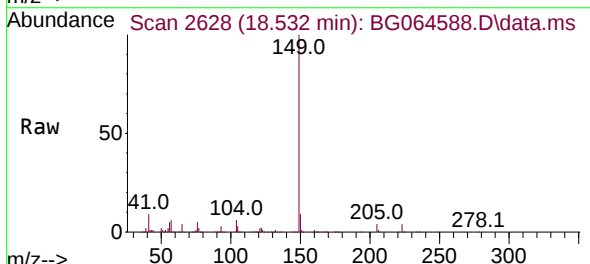
Tgt Ion:167 Resp: 62254
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.9 26.9
 139 12.2 9.7 14.5

Manual Integrations
 APPROVED

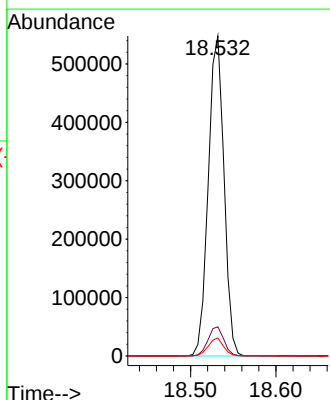
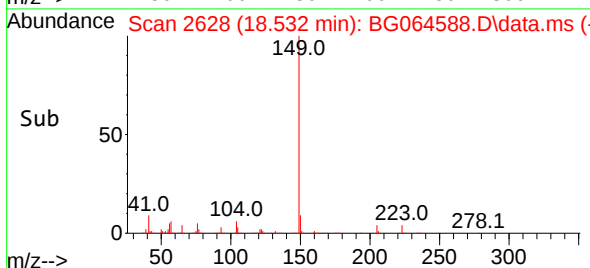
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

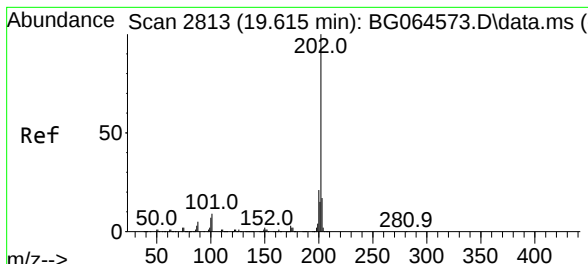


#74
 Di-n-butylphthalate
 Concen: 42.246 ng
 RT: 18.532 min Scan# 2628
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22



Tgt Ion:149 Resp: 699059
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.0 10.6
 104 5.6 4.1 6.1





#75
 Fluoranthene
 Concen: 42.707 ng
 RT: 19.613 min Scan# 2812
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

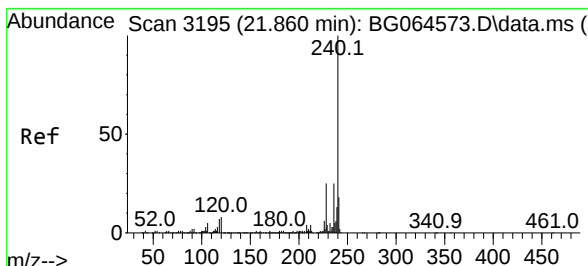
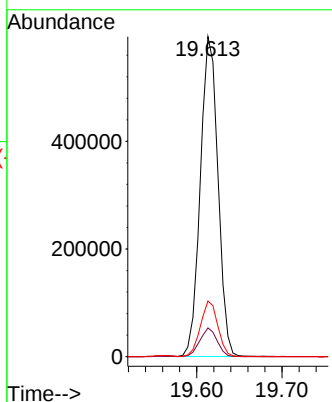
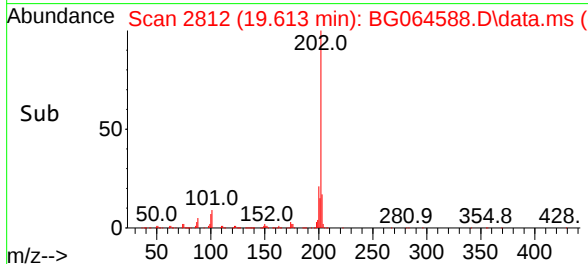
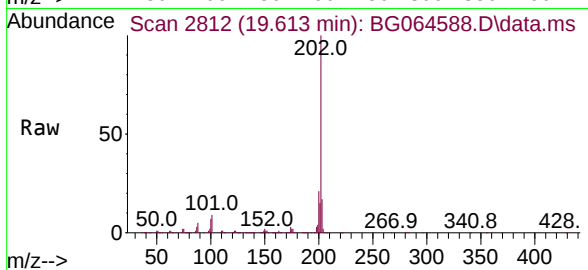
ClientSampleId :

PB170246BS

Tgt Ion:202 Resp: 853488
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 28.7
 203 17.4 0.0 37.0

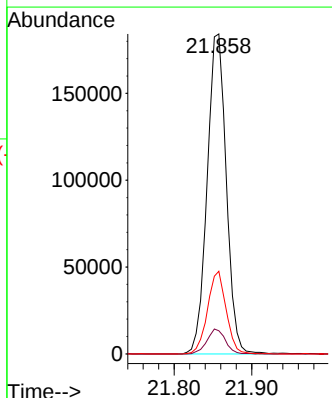
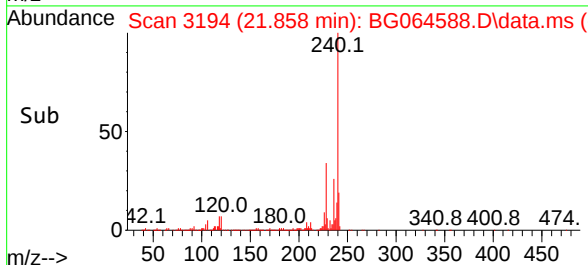
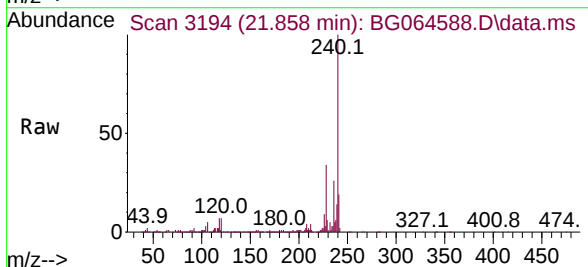
Manual Integrations
 APPROVED

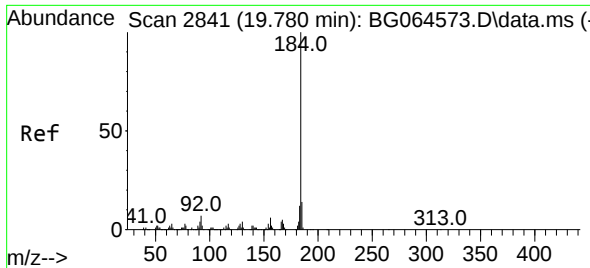
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.858 min Scan# 3194
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22

Tgt Ion:240 Resp: 316000
 Ion Ratio Lower Upper
 240 100
 120 7.2 6.5 9.7
 236 25.9 20.2 30.2





#77
Benzidine
Concen: 33.645 ng
RT: 19.778 min Scan# 2841
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

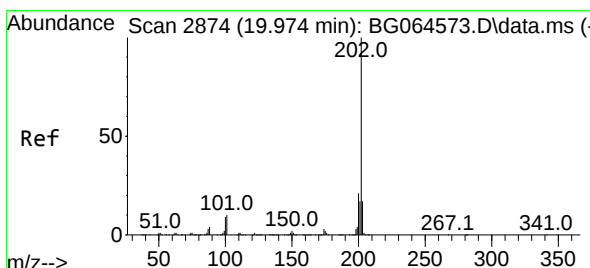
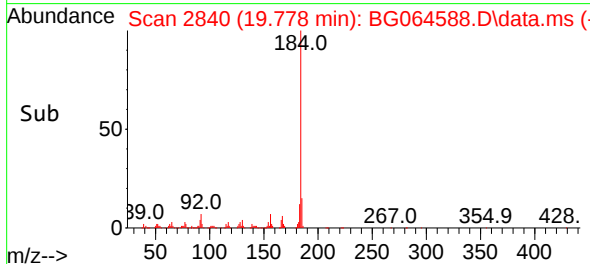
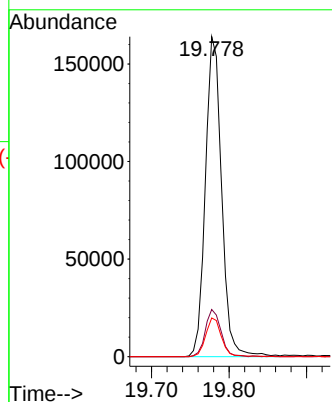
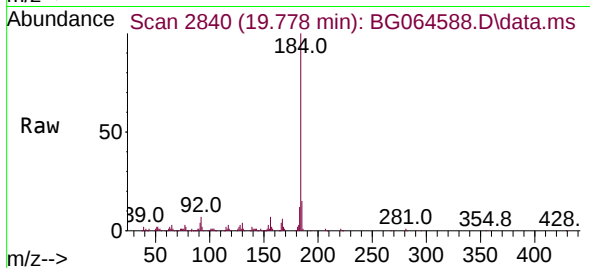
PB170246BS

Tgt Ion:184 Resp: 238194
Ion Ratio Lower Upper
184 100
185 14.7 11.4 17.2
183 12.1 9.4 14.2

Manual Integrations

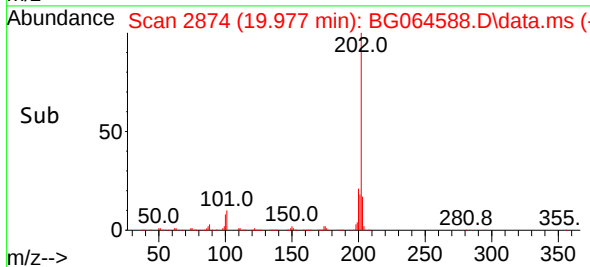
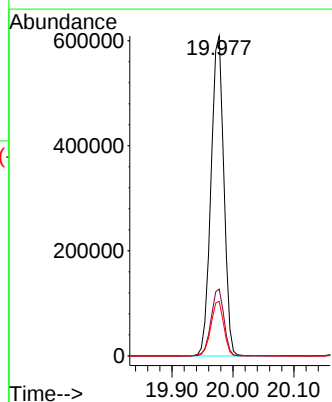
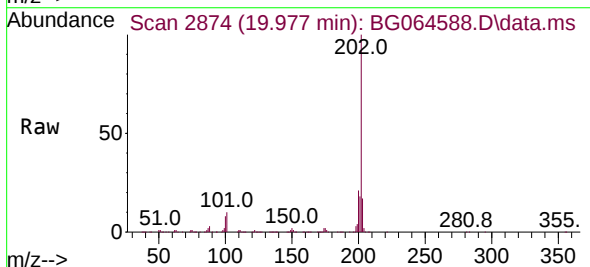
APPROVED

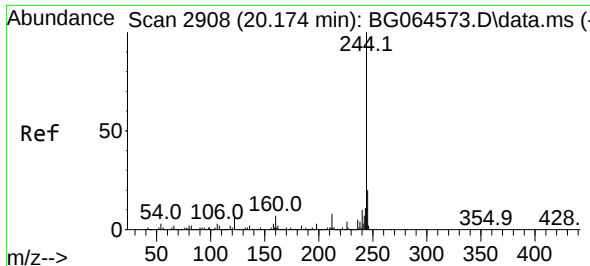
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#78
Pyrene
Concen: 43.172 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:202 Resp: 891319
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.0 13.8 20.6





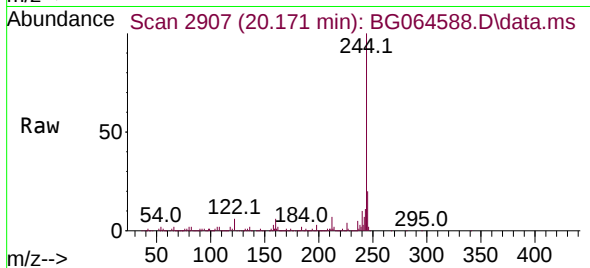
#79
 Terphenyl-d14
 Concen: 83.132 ng
 RT: 20.171 min Scan# 2908
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

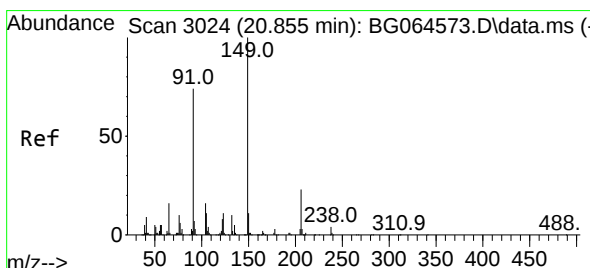
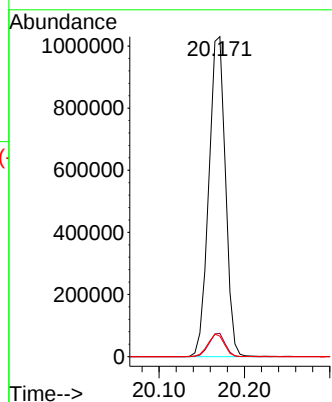
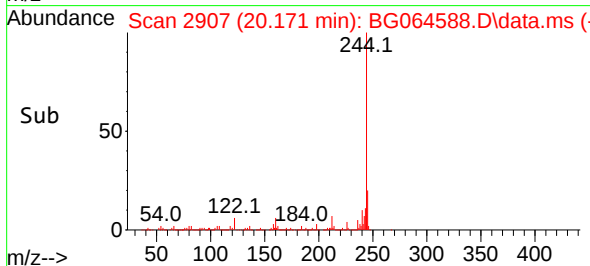


Tgt Ion:244 Resp: 1392012
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.4 5.6 8.4

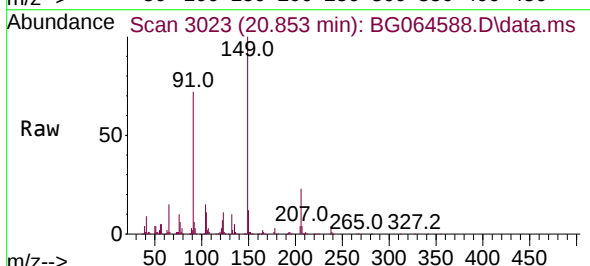
Manual Integrations

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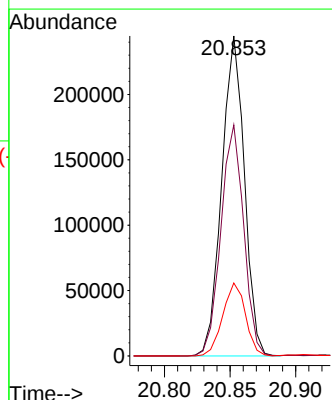
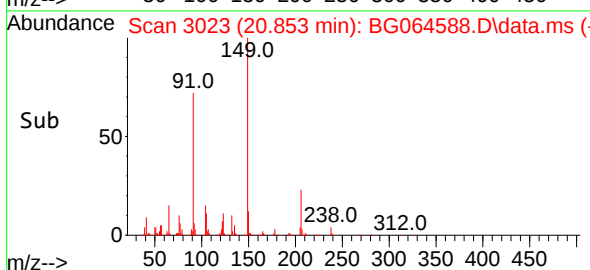
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

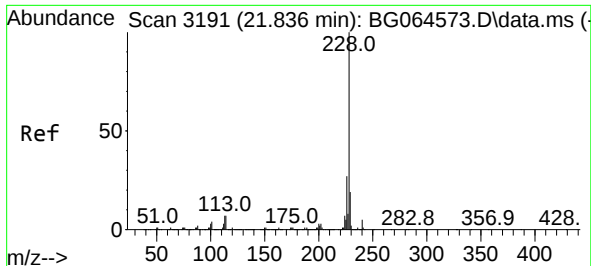


#80
 Butylbenzylphthalate
 Concen: 47.053 ng
 RT: 20.853 min Scan# 3023
 Delta R.T. -0.002 min
 Lab File: BG064588.D
 Acq: 27 Oct 2025 15:22



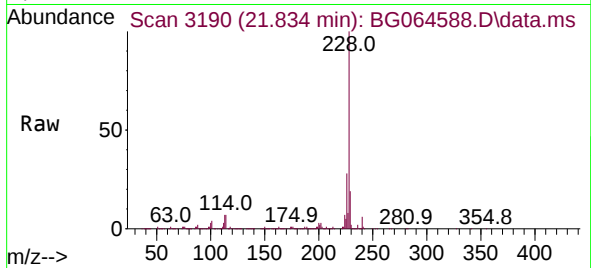
Tgt Ion:149 Resp: 293608
 Ion Ratio Lower Upper
 149 100
 91 72.2 59.2 88.8
 206 22.8 18.1 27.1





#81
Benzo(a)anthracene
Concen: 43.865 ng
RT: 21.834 min Scan# 3191
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

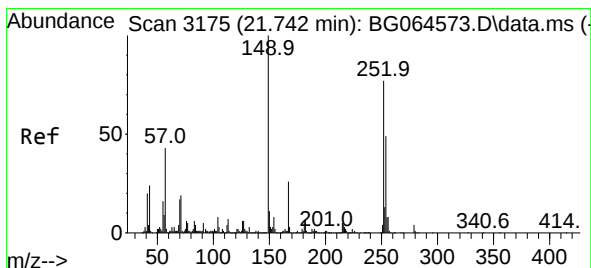
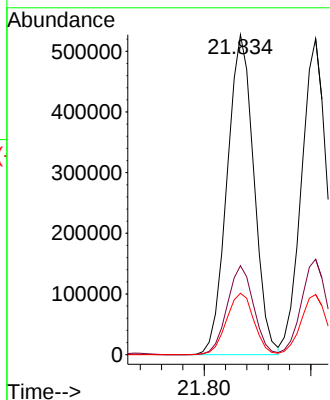
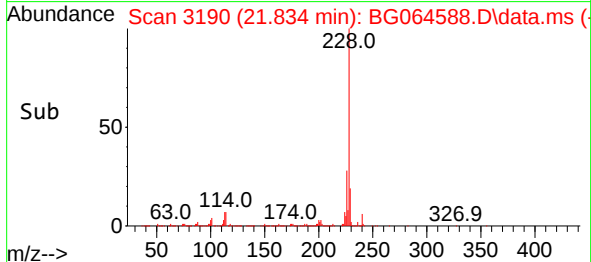
Instrument :
BNA_G
ClientSampleId :
PB170246BS



Tgt Ion:228 Resp: 919080
Ion Ratio Lower Upper
228 100
226 27.8 21.9 32.9
229 19.2 15.6 23.4

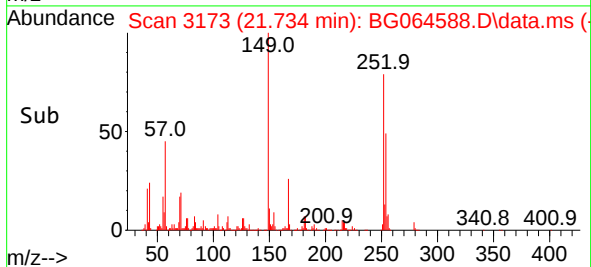
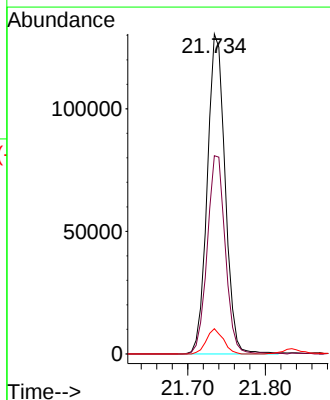
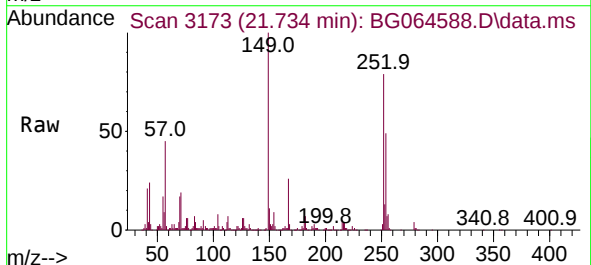
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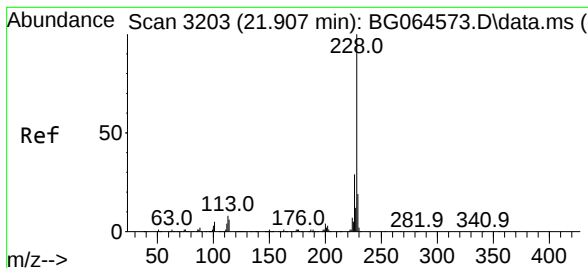
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#82
3,3'-Dichlorobenzidine
Concen: 29.736 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.008 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:252 Resp: 208055
Ion Ratio Lower Upper
252 100
254 61.9 50.8 76.2
126 7.9 5.8 8.6





#83

Chrysene

Concen: 43.293 ng

RT: 21.905 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

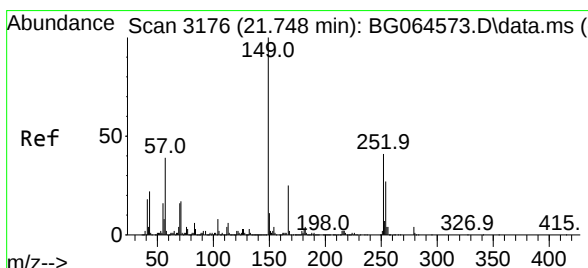
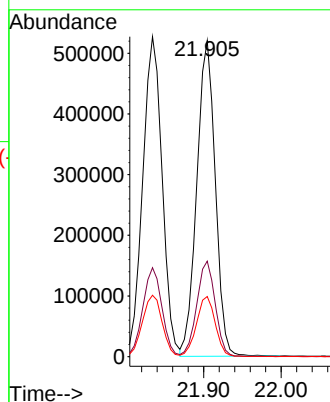
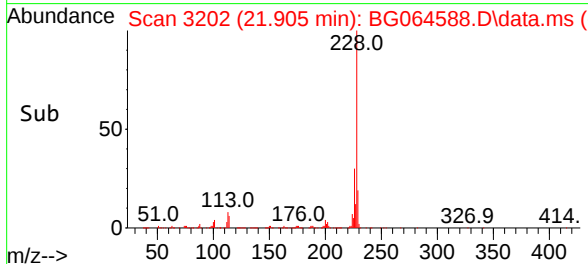
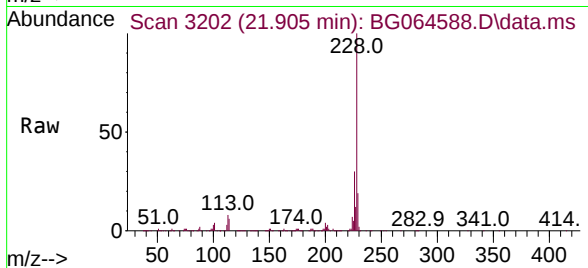
PB170246BS

Tgt Ion:228 Resp: 863113
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.3 34.9
 229 19.0 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.088 ng

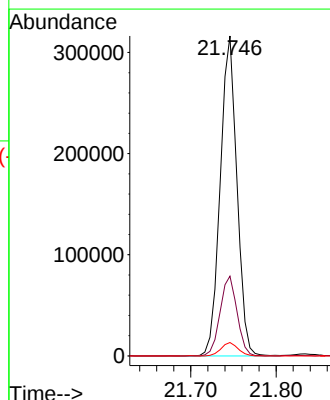
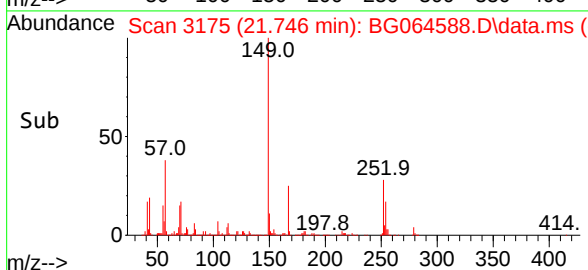
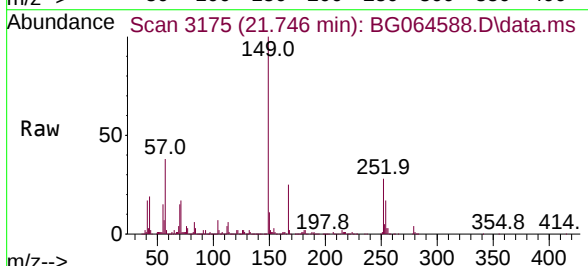
RT: 21.746 min Scan# 3175

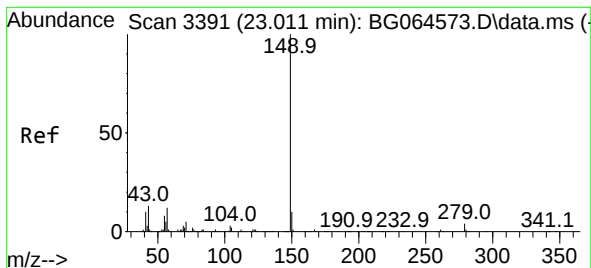
Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Tgt Ion:149 Resp: 429718
 Ion Ratio Lower Upper
 149 100
 167 24.9 20.0 30.0
 279 4.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 45.576 ng

RT: 23.009 min Scan# 3391

Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

Instrument :

BNA_G

ClientSampleId :

PB170246BS

Tgt Ion:149 Resp: 716449

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

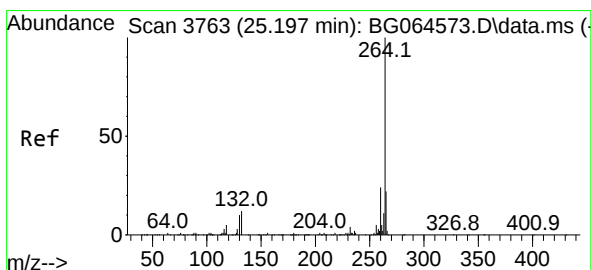
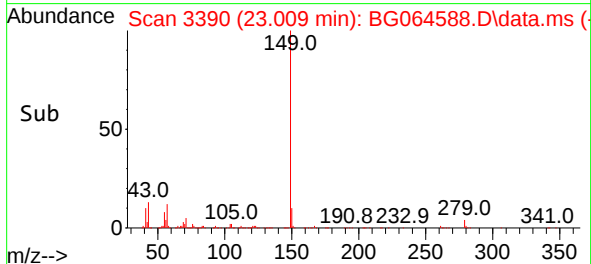
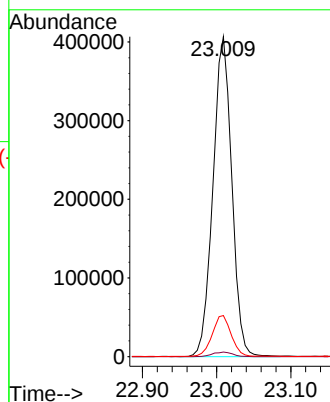
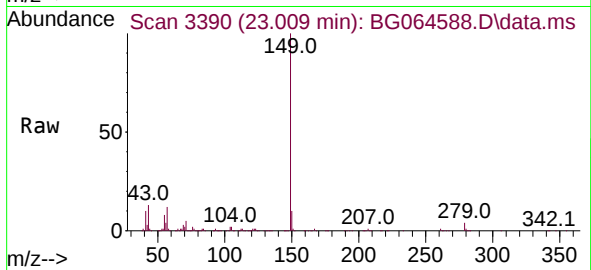
43 13.0 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.195 min Scan# 3762

Delta R.T. -0.002 min

Lab File: BG064588.D

Acq: 27 Oct 2025 15:22

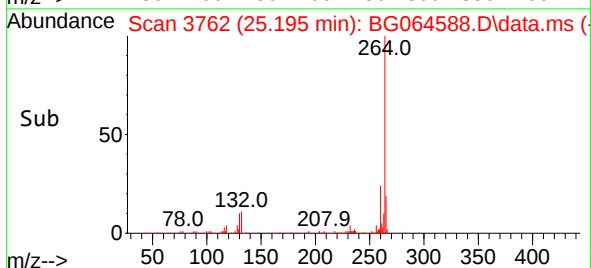
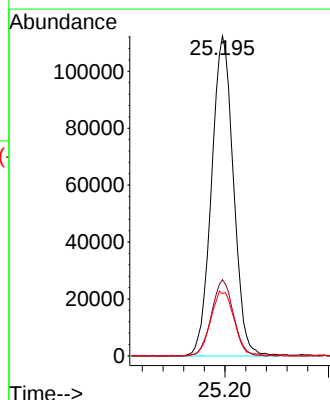
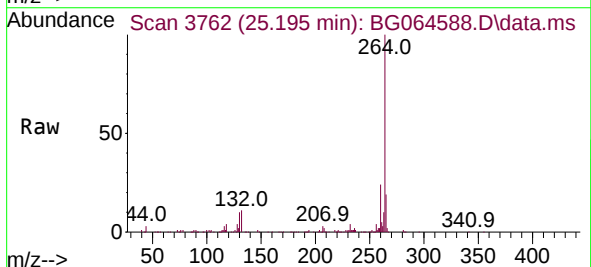
Tgt Ion:264 Resp: 331099

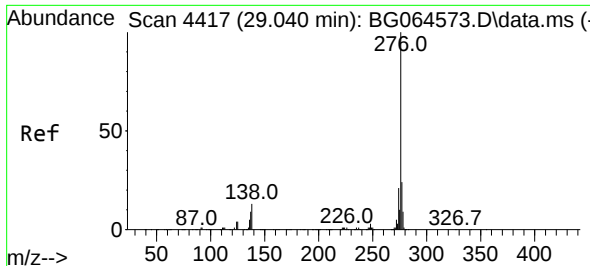
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

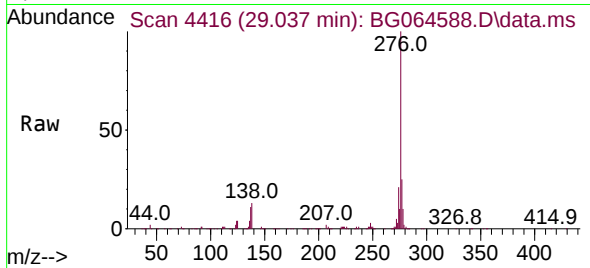
265 19.5 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 45.376 ng
RT: 29.037 min Scan# 4417
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

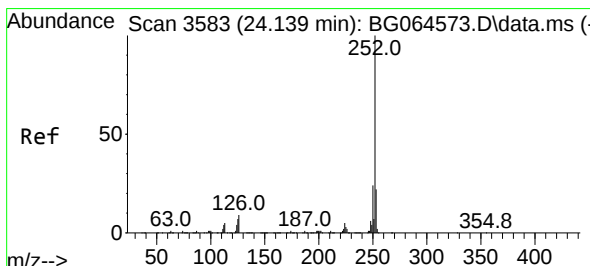
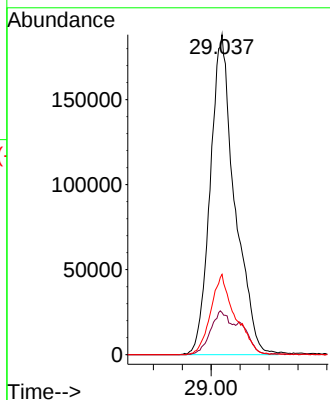
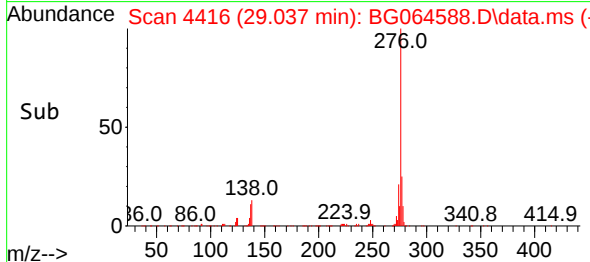
Instrument :
BNA_G
ClientSampleId :
PB170246BS



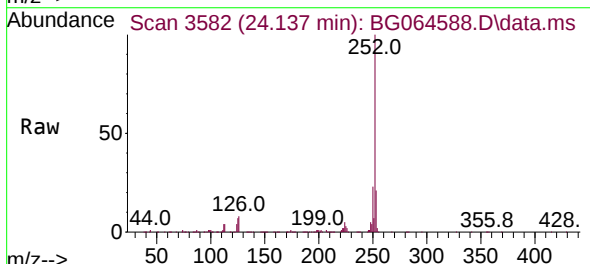
Tgt Ion:276 Resp: 1105202
Ion Ratio Lower Upper
276 100
138 11.8 10.8 16.2
277 24.9 20.1 30.1

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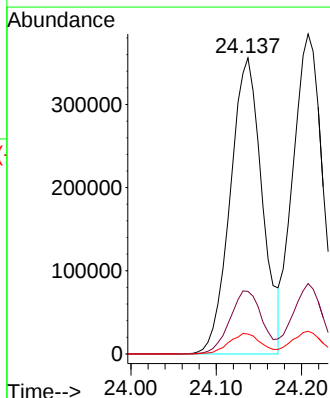
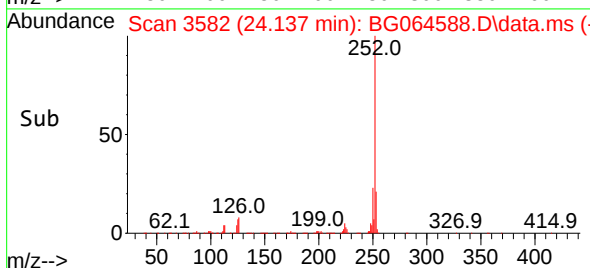
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

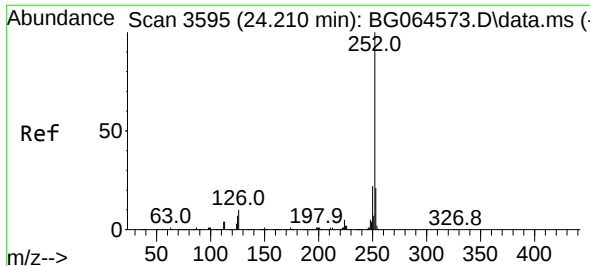


#88
Benzo(b)fluoranthene
Concen: 45.627 ng
RT: 24.137 min Scan# 3582
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22



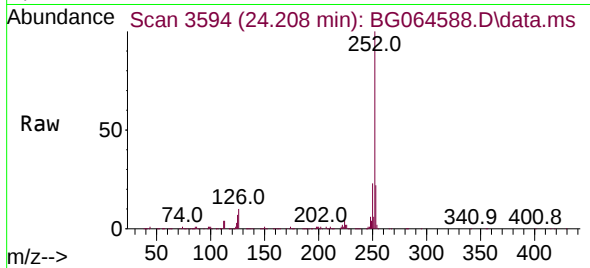
Tgt Ion:252 Resp: 926358
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.8
125 6.7 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 45.574 ng
RT: 24.208 min Scan# 3595
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

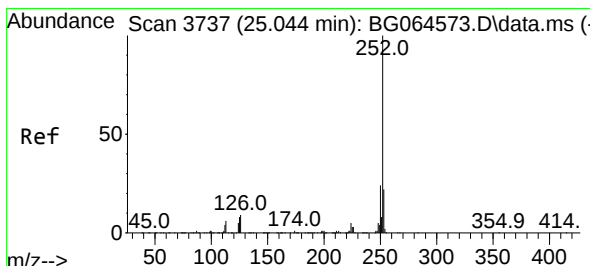
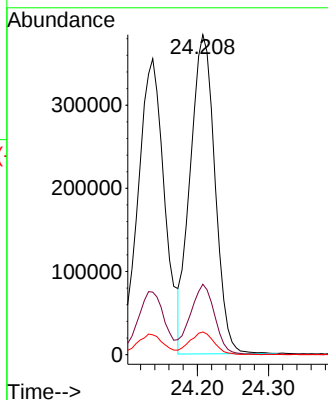
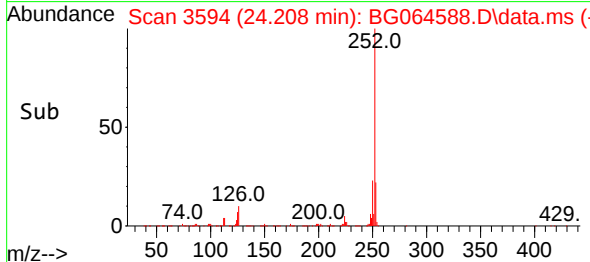
Instrument :
BNA_G
ClientSampleId :
PB170246BS



Tgt Ion:252 Resp: 925931
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 7.1 5.4 8.0

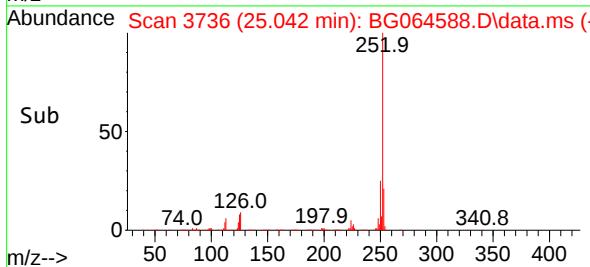
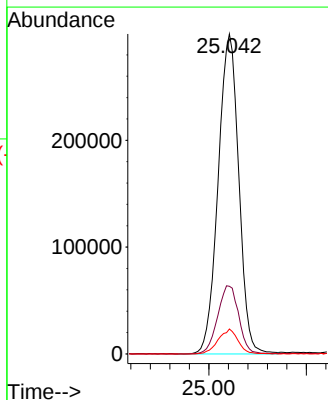
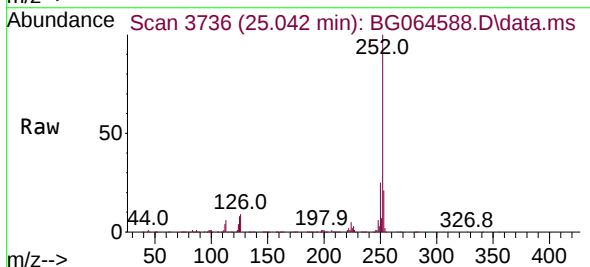
Manual Integrations
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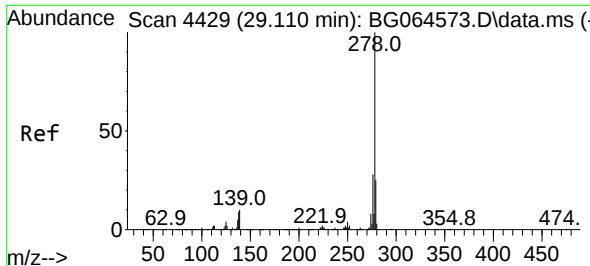
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#90
Benzo(a)pyrene
Concen: 47.081 ng
RT: 25.042 min Scan# 3736
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

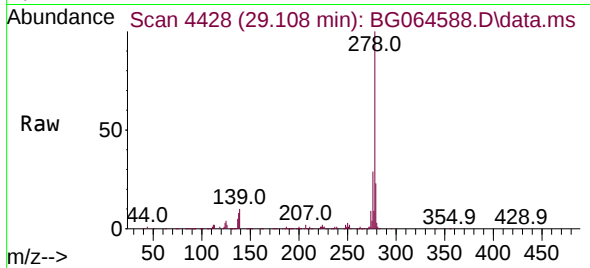
Tgt Ion:252 Resp: 878664
Ion Ratio Lower Upper
252 100
253 21.1 17.6 26.4
125 7.8 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 45.909 ng
RT: 29.108 min Scan# 4429
Delta R.T. -0.002 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

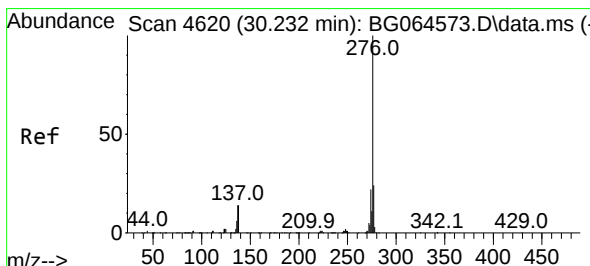
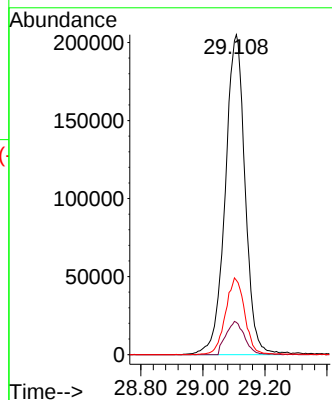
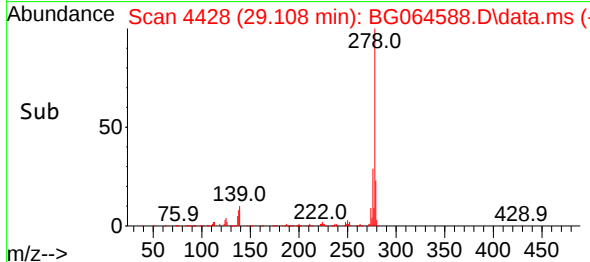
Instrument :
BNA_G
ClientSampleId :
PB170246BS



Tgt Ion:278 Resp: 908444
Ion Ratio Lower Upper
278 100
139 10.1 8.0 12.0
279 23.2 19.8 29.6

Manual Integrations
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 46.729 ng
RT: 30.236 min Scan# 4620
Delta R.T. 0.004 min
Lab File: BG064588.D
Acq: 27 Oct 2025 15:22

Tgt Ion:276 Resp: 883313
Ion Ratio Lower Upper
276 100
277 22.9 19.1 28.7
138 14.0 11.3 16.9

